

November 20, 2019

Vista Work Order No. 1903285

Ms. Delaney Peterson
Anchor QEA, LLC
720 Olive Way, Suite 1900
Seattle, WA 98101

Dear Ms. Peterson,

Enclosed are the amended results for the sample set received at Vista Analytical Laboratory on September 26, 2019 under your Project Name 'Gasco PDI'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Martha Maier
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1903285

Case Narrative

Sample Condition on Receipt:

Ten sediment samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. This report was amended to correct the EPA Method 1699 analyte list.

Analytical Notes:

EPA Method 1613B

These samples were extracted and analyzed for tetra-through-octa chlorinated dioxins and furans by EPA Method 1613B using a ZB-5MS GC column. The confirmation of 2,3,7,8-TCDF was analyzed by EPA Method 1613B using a DB-225 GC column. Due to LIMS limitations, the datasheet for the Duplicate does not have the DB-225 column shown for the analysis on October 30, 2019 at 17:09.

Holding Times

These samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected in the Method Blanks. The OPR recoveries were within the method acceptance criteria.

As requested, a Duplicate was performed on sample "PDI-102SG-00-01-190923". The RPDs were out of the acceptance criteria for 1,2,3,7,8-PeCDD, 1,2,3,4,6,7,8-HpCDD, OCDD, 2,3,4,7,8-PeCDF, 2,3,4,6,7,8-HxCDF and 1,2,3,4,6,7,8-HpCDF.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

EPA Method 1668C

These samples were extracted and analyzed for 209 PCB congeners by EPA Method 1668C using a ZB-1 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected above the sample quantitation limits in the Method Blanks. The OPR recoveries were within the method acceptance criteria.

As requested, a Duplicate was performed on sample "PDI-102SG-00-01-190923". The RPDs were out of the acceptance criteria for PCB-25, PCB-26, PCB-29, PCB-31, PCB-35, PCB-68, PCB-113, PCB-120, PCB-184, PCB-188 and PCB-209.

Labeled standard recoveries for all QC and field samples were within method acceptance criteria.

EPA Method 1699

Four samples were extracted and analyzed for chlorinated pesticides by EPA Method 1699 using a ZB-50 GC column.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected above the sample quantitation limits in the Method Blank. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the method acceptance criteria are listed in the table below:

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1903285-07	PDI-103SG-00-01-190924	EPA Method 1699	13C12-4,4'-DDE	H	43.3
1903285-08	PDI-104SG-00-01-190924	EPA Method 1699	13C12-4,4'-DDE	H	36.8
1903285-10	PDI-106SG-00-01-190924	EPA Method 1699	13C12-4,4'-DDE	H	45.0

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1903285-01	PDI-014SG-00-0.78-190923	23-Sep-19 17:05	26-Sep-19 09:45	Amber Glass, 250mL
1903285-02	PDI-1014SG-00-0.78-190923	23-Sep-19 00:00	26-Sep-19 09:45	Amber Glass, 250mL
1903285-03	PDI-015SG-00-0.87-190924	24-Sep-19 11:19	26-Sep-19 09:45	Amber Glass, 250mL
1903285-04	PDI-022SG-00-01-190924	24-Sep-19 13:00	26-Sep-19 09:45	Amber Glass, 250mL
1903285-05	PDI-101SG-00-01-190923	23-Sep-19 13:35	26-Sep-19 09:45	Amber Glass, 250mL
1903285-06	PDI-102SG-00-01-190923	23-Sep-19 15:05	26-Sep-19 09:45	Amber Glass, 250mL
1903285-07	PDI-103SG-00-01-190924	24-Sep-19 14:30	26-Sep-19 09:45	Amber Glass, 250mL
1903285-08	PDI-104SG-00-01-190924	24-Sep-19 14:45	26-Sep-19 09:45	Amber Glass, 250mL
1903285-09	PDI-105SG-00-0.99-190924	24-Sep-19 14:00	26-Sep-19 09:45	Amber Glass, 250mL
1903285-10	PDI-106SG-00-01-190924	24-Sep-19 15:05	26-Sep-19 09:45	Amber Glass, 250mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09		Lab Sample: B9J0001-BLK1 Date Analyzed: 10-Oct-19 00:09 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0586			IS 13C-2,3,7,8-TCDD	84.5	25 - 164		
1,2,3,7,8-PeCDD	ND	0.102			13C-1,2,3,7,8-PeCDD	80.4	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.103			13C-1,2,3,4,7,8-HxCDD	75.6	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.110			13C-1,2,3,6,7,8-HxCDD	73.8	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.124			13C-1,2,3,7,8,9-HxCDD	75.4	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.151			13C-1,2,3,4,6,7,8-HpCDD	82.5	23 - 140		
OCDD	ND	0.228			13C-OCDD	65.1	17 - 157		
2,3,7,8-TCDF	ND	0.0635			13C-2,3,7,8-TCDF	76.8	24 - 169		
1,2,3,7,8-PeCDF	ND	0.131			13C-1,2,3,7,8-PeCDF	76.6	24 - 185		
2,3,4,7,8-PeCDF	ND	0.128			13C-2,3,4,7,8-PeCDF	75.4	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0543			13C-1,2,3,4,7,8-HxCDF	83.1	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0522			13C-1,2,3,6,7,8-HxCDF	84.4	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0638			13C-2,3,4,6,7,8-HxCDF	77.3	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.101			13C-1,2,3,7,8,9-HxCDF	79.9	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0910			13C-1,2,3,4,6,7,8-HpCDF	73.3	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.114			13C-1,2,3,4,7,8,9-HpCDF	73.0	26 - 138		
OCDF	ND	0.211			13C-OCDF	69.2	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	82.8	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.0586							
Total PeCDD	ND	0.102							
Total HxCDD	ND	0.113							
Total HpCDD	ND	0.151							
Total TCDF	ND	0.0635							
Total PeCDF	ND	0.130							
Total HxCDF	ND	0.0660							
Total HpCDF	ND	0.102							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B9J0001	Lab Sample: B9J0001-BS1					
Sample Size: 10.0 g	Date Extracted: 01-Oct-2019 6:09	Date Analyzed: 09-Oct-19 22:34	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	20.8	20.0	104	67 - 158	IS 13C-2,3,7,8-TCDD	91.2	20 - 175
1,2,3,7,8-PeCDD	105	100	105	70 - 142	13C-1,2,3,7,8-PeCDD	88.7	21 - 227
1,2,3,4,7,8-HxCDD	100	100	100	70 - 164	13C-1,2,3,4,7,8-HxCDD	88.0	21 - 193
1,2,3,6,7,8-HxCDD	106	100	106	76 - 134	13C-1,2,3,6,7,8-HxCDD	81.6	25 - 163
1,2,3,7,8,9-HxCDD	106	100	106	64 - 162	13C-1,2,3,7,8,9-HxCDD	83.7	21 - 193
1,2,3,4,6,7,8-HpCDD	105	100	105	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	91.5	26 - 166
OCDD	213	200	107	78 - 144	13C-OCDD	67.8	13 - 199
2,3,7,8-TCDF	19.5	20.0	97.3	75 - 158	13C-2,3,7,8-TCDF	83.4	22 - 152
1,2,3,7,8-PeCDF	106	100	106	80 - 134	13C-1,2,3,7,8-PeCDF	80.9	21 - 192
2,3,4,7,8-PeCDF	106	100	106	68 - 160	13C-2,3,4,7,8-PeCDF	81.3	13 - 328
1,2,3,4,7,8-HxCDF	100	100	100	72 - 134	13C-1,2,3,4,7,8-HxCDF	87.2	19 - 202
1,2,3,6,7,8-HxCDF	104	100	104	84 - 130	13C-1,2,3,6,7,8-HxCDF	84.4	21 - 159
2,3,4,6,7,8-HxCDF	105	100	105	70 - 156	13C-2,3,4,6,7,8-HxCDF	87.6	22 - 176
1,2,3,7,8,9-HxCDF	102	100	102	78 - 130	13C-1,2,3,7,8,9-HxCDF	89.8	17 - 205
1,2,3,4,6,7,8-HpCDF	103	100	103	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	85.7	21 - 158
1,2,3,4,7,8,9-HpCDF	102	100	102	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	85.8	20 - 186
OCDF	209	200	105	63 - 170	13C-OCDF	71.9	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	94.2	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B9J0052 Date Extracted: 07-Oct-2019 10:14		Lab Sample: B9J0052-BLK1 Date Analyzed: 14-Oct-19 20:21 Column: ZB-5MS					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.0352			IS 13C-2,3,7,8-TCDD	92.3	25 - 164		
1,2,3,7,8-PeCDD	ND	0.0509			13C-1,2,3,7,8-PeCDD	90.3	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.0436			13C-1,2,3,4,7,8-HxCDD	103	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.0449			13C-1,2,3,6,7,8-HxCDD	82.3	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.0456			13C-1,2,3,7,8,9-HxCDD	88.0	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.0384			13C-1,2,3,4,6,7,8-HpCDD	95.5	23 - 140		
OCDD	ND	0.0671			13C-OCDD	87.9	17 - 157		
2,3,7,8-TCDF	ND	0.0303			13C-2,3,7,8-TCDF	95.2	24 - 169		
1,2,3,7,8-PeCDF	ND	0.0506			13C-1,2,3,7,8-PeCDF	106	24 - 185		
2,3,4,7,8-PeCDF	ND	0.0465			13C-2,3,4,7,8-PeCDF	103	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0178			13C-1,2,3,4,7,8-HxCDF	105	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0173			13C-1,2,3,6,7,8-HxCDF	101	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0198			13C-2,3,4,6,7,8-HxCDF	99.9	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.0256			13C-1,2,3,7,8,9-HxCDF	99.3	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0338			13C-1,2,3,4,6,7,8-HpCDF	93.6	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0297			13C-1,2,3,4,7,8,9-HpCDF	104	26 - 138		
OCDF	ND		0.182		13C-OCDF	91.5	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	96.8	35 - 197		
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)				
					TEQMinWHO2005Dioxin		0.00		
TOTALS									
Total TCDD	ND	0.0352							
Total PeCDD	ND	0.0509							
Total HxCDD	ND	0.0447							
Total HpCDD	ND	0.0384							
Total TCDF	ND	0.0506							
Total PeCDF	ND	0.0486							
Total HxCDF	ND	0.0201							
Total HpCDF	ND	0.0318							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.

Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: OPR					EPA Method 1613B		
Matrix: Solid	QC Batch: B9J0052	Lab Sample: B9J0052-BS1					
Sample Size: 10.0 g	Date Extracted: 07-Oct-2019 10:14	Date Analyzed: 14-Oct-19 17:57	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	19.8	20.0	99.1	67 - 158	IS 13C-2,3,7,8-TCDD	96.6	20 - 175
1,2,3,7,8-PeCDD	102	100	102	70 - 142	13C-1,2,3,7,8-PeCDD	97.8	21 - 227
1,2,3,4,7,8-HxCDD	96.0	100	96.0	70 - 164	13C-1,2,3,4,7,8-HxCDD	106	21 - 193
1,2,3,6,7,8-HxCDD	102	100	102	76 - 134	13C-1,2,3,6,7,8-HxCDD	87.8	25 - 163
1,2,3,7,8,9-HxCDD	102	100	102	64 - 162	13C-1,2,3,7,8,9-HxCDD	93.0	21 - 193
1,2,3,4,6,7,8-HpCDD	96.2	100	96.2	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	100	26 - 166
OCDD	195	200	97.4	78 - 144	13C-OCDD	94.7	13 - 199
2,3,7,8-TCDF	18.2	20.0	90.8	75 - 158	13C-2,3,7,8-TCDF	97.7	22 - 152
1,2,3,7,8-PeCDF	104	100	104	80 - 134	13C-1,2,3,7,8-PeCDF	107	21 - 192
2,3,4,7,8-PeCDF	101	100	101	68 - 160	13C-2,3,4,7,8-PeCDF	104	13 - 328
1,2,3,4,7,8-HxCDF	96.8	100	96.8	72 - 134	13C-1,2,3,4,7,8-HxCDF	105	19 - 202
1,2,3,6,7,8-HxCDF	94.2	100	94.2	84 - 130	13C-1,2,3,6,7,8-HxCDF	99.1	21 - 159
2,3,4,6,7,8-HxCDF	101	100	101	70 - 156	13C-2,3,4,6,7,8-HxCDF	97.9	22 - 176
1,2,3,7,8,9-HxCDF	96.0	100	96.0	78 - 130	13C-1,2,3,7,8,9-HxCDF	103	17 - 205
1,2,3,4,6,7,8-HpCDF	97.4	100	97.4	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	95.6	21 - 158
1,2,3,4,7,8,9-HpCDF	96.4	100	96.4	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	101	20 - 186
OCDF	196	200	98.1	63 - 170	13C-OCDF	95.4	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	102	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-014SG-00-0.78-190923 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-01 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 19.0 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 23-Sep-2019 17:05	% Solids: 53.4	Date Analyzed : 12-Oct-19 07:39 Column: ZB-5MS 29-Oct-19 18:14 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	6.72				IS 13C-2,3,7,8-TCDD	87.6	25 - 164	
1,2,3,7,8-PeCDD	7.01				13C-1,2,3,7,8-PeCDD	85.9	25 - 181	
1,2,3,4,7,8-HxCDD	5.26				13C-1,2,3,4,7,8-HxCDD	81.6	32 - 141	
1,2,3,6,7,8-HxCDD	28.9				13C-1,2,3,6,7,8-HxCDD	69.5	28 - 130	
1,2,3,7,8,9-HxCDD	13.0				13C-1,2,3,7,8,9-HxCDD	72.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	893				13C-1,2,3,4,6,7,8-HpCDD	76.0	23 - 140	
OCDD	9870			D	13C-OCDD	55.1	17 - 157	D
2,3,7,8-TCDF	145				13C-2,3,7,8-TCDF	81.5	24 - 169	
1,2,3,7,8-PeCDF	204				13C-1,2,3,7,8-PeCDF	81.8	24 - 185	
2,3,4,7,8-PeCDF	66.1				13C-2,3,4,7,8-PeCDF	80.1	21 - 178	
1,2,3,4,7,8-HxCDF	408				13C-1,2,3,4,7,8-HxCDF	84.3	26 - 152	
1,2,3,6,7,8-HxCDF	111				13C-1,2,3,6,7,8-HxCDF	81.4	26 - 123	
2,3,4,6,7,8-HxCDF	27.8				13C-2,3,4,6,7,8-HxCDF	76.0	28 - 136	
1,2,3,7,8,9-HxCDF	22.7				13C-1,2,3,7,8,9-HxCDF	79.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	263				13C-1,2,3,4,6,7,8-HpCDF	70.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	76.8				13C-1,2,3,4,7,8,9-HpCDF	69.5	26 - 138	
OCDF	660				13C-OCDF	53.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	88.5	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 131

TOTALS			
Total TCDD	36.1		36.6
Total PeCDD	49.2		
Total HxCDD	293		
Total HpCDD	1940		
Total TCDF	583		
Total PeCDF	675		
Total HxCDF	787		
Total HpCDF	669		

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-1014SG-00-0.78-190923 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-02 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 18.6 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 23-Sep-2019 0:00	% Solids: 55.4	Date Analyzed : 12-Oct-19 08:27 Column: ZB-5MS 29-Oct-19 19:02 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	5.55				IS 13C-2,3,7,8-TCDD	83.3	25 - 164	
1,2,3,7,8-PeCDD	5.70				13C-1,2,3,7,8-PeCDD	82.5	25 - 181	
1,2,3,4,7,8-HxCDD	5.91				13C-1,2,3,4,7,8-HxCDD	74.2	32 - 141	
1,2,3,6,7,8-HxCDD	24.0				13C-1,2,3,6,7,8-HxCDD	64.9	28 - 130	
1,2,3,7,8,9-HxCDD	10.5				13C-1,2,3,7,8,9-HxCDD	68.0	32 - 141	
1,2,3,4,6,7,8-HpCDD	861				13C-1,2,3,4,6,7,8-HpCDD	52.2	23 - 140	
OCDD	7390			D	13C-OCDD	23.6	17 - 157	D
2,3,7,8-TCDF	119				13C-2,3,7,8-TCDF	78.9	24 - 169	
1,2,3,7,8-PeCDF	139				13C-1,2,3,7,8-PeCDF	86.7	24 - 185	
2,3,4,7,8-PeCDF	53.0				13C-2,3,4,7,8-PeCDF	81.2	21 - 178	
1,2,3,4,7,8-HxCDF	240				13C-1,2,3,4,7,8-HxCDF	79.0	26 - 152	
1,2,3,6,7,8-HxCDF	59.2				13C-1,2,3,6,7,8-HxCDF	76.0	26 - 123	
2,3,4,6,7,8-HxCDF	18.3				13C-2,3,4,6,7,8-HxCDF	65.5	28 - 136	
1,2,3,7,8,9-HxCDF	8.58				13C-1,2,3,7,8,9-HxCDF	73.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	146				13C-1,2,3,4,6,7,8-HpCDF	62.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	45.5				13C-1,2,3,4,7,8,9-HpCDF	60.1	26 - 138	
OCDF	428				13C-OCDF	30.6	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	82.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 92.7

TOTALS		
Total TCDD	29.7	30.7
Total PeCDD	45.4	
Total HxCDD	339	
Total HpCDD	2350	
Total TCDF	493	
Total PeCDF	494	
Total HxCDF	498	
Total HpCDF	458	

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-015SG-00-0.87-190924 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-03 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 16.0 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 24-Sep-2019 11:19	% Solids: 62.7	Date Analyzed : 12-Oct-19 09:14 Column: ZB-5MS 29-Oct-19 19:49 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	1.76				IS 13C-2,3,7,8-TCDD	88.5	25 - 164	
1,2,3,7,8-PeCDD	2.55				13C-1,2,3,7,8-PeCDD	91.6	25 - 181	
1,2,3,4,7,8-HxCDD	2.39			J	13C-1,2,3,4,7,8-HxCDD	79.5	32 - 141	
1,2,3,6,7,8-HxCDD	16.7				13C-1,2,3,6,7,8-HxCDD	71.1	28 - 130	
1,2,3,7,8,9-HxCDD	6.00				13C-1,2,3,7,8,9-HxCDD	75.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	947				13C-1,2,3,4,6,7,8-HpCDD	86.0	23 - 140	
OCDD	7210			D	13C-OCDD	83.7	17 - 157	D
2,3,7,8-TCDF	19.3				13C-2,3,7,8-TCDF	79.3	24 - 169	
1,2,3,7,8-PeCDF	18.1				13C-1,2,3,7,8-PeCDF	86.5	24 - 185	
2,3,4,7,8-PeCDF	6.91				13C-2,3,4,7,8-PeCDF	85.2	21 - 178	
1,2,3,4,7,8-HxCDF	29.2				13C-1,2,3,4,7,8-HxCDF	84.6	26 - 152	
1,2,3,6,7,8-HxCDF	8.86				13C-1,2,3,6,7,8-HxCDF	83.8	26 - 123	
2,3,4,6,7,8-HxCDF	3.69				13C-2,3,4,6,7,8-HxCDF	78.6	28 - 136	
1,2,3,7,8,9-HxCDF	2.09			J	13C-1,2,3,7,8,9-HxCDF	82.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	55.0				13C-1,2,3,4,6,7,8-HpCDF	75.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	7.82				13C-1,2,3,4,7,8,9-HpCDF	77.9	26 - 138	
OCDF	288				13C-OCDF	68.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	87.9	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 28.1

TOTALS		
Total TCDD	9.87	10.1
Total PeCDD	17.2	17.7
Total HxCDD	222	
Total HpCDD	2090	
Total TCDF	97.9	98.3
Total PeCDF	81.4	
Total HxCDF	97.3	
Total HpCDF	239	

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-022SG-00-01-190924 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-04 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 17.0 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 24-Sep-2019 13:00	% Solids: 59.0	Date Analyzed : 12-Oct-19 10:02 Column: ZB-5MS 22-Oct-19 17:33 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.301		IS 13C-2,3,7,8-TCDD	103	25 - 164	
1,2,3,7,8-PeCDD	ND		0.247		13C-1,2,3,7,8-PeCDD	105	25 - 181	
1,2,3,4,7,8-HxCDD	0.539			J	13C-1,2,3,4,7,8-HxCDD	87.4	32 - 141	
1,2,3,6,7,8-HxCDD	1.81			J	13C-1,2,3,6,7,8-HxCDD	87.8	28 - 130	
1,2,3,7,8,9-HxCDD	1.20			J	13C-1,2,3,7,8,9-HxCDD	88.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	48.5				13C-1,2,3,4,6,7,8-HpCDD	98.5	23 - 140	
OCDD	451				13C-OCDD	83.4	17 - 157	
2,3,7,8-TCDF	14.6				13C-2,3,7,8-TCDF	97.2	24 - 169	
1,2,3,7,8-PeCDF	19.6				13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	3.94				13C-2,3,4,7,8-PeCDF	102	21 - 178	
1,2,3,4,7,8-HxCDF	33.4				13C-1,2,3,4,7,8-HxCDF	93.6	26 - 152	
1,2,3,6,7,8-HxCDF	8.31				13C-1,2,3,6,7,8-HxCDF	100	26 - 123	
2,3,4,6,7,8-HxCDF	2.00			J	13C-2,3,4,6,7,8-HxCDF	92.3	28 - 136	
1,2,3,7,8,9-HxCDF	1.07			J	13C-1,2,3,7,8,9-HxCDF	93.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	18.5				13C-1,2,3,4,6,7,8-HpCDF	92.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	5.10				13C-1,2,3,4,7,8,9-HpCDF	92.7	26 - 138	
OCDF	36.0				13C-OCDF	86.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	101	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 8.93

TOTALS			
Total TCDD	1.27		2.77
Total PeCDD	0.911		2.67
Total HxCDD	16.3		17.0
Total HpCDD	98.9		
Total TCDF	41.2		42.3
Total PeCDF	50.2		50.5
Total HxCDF	61.4		
Total HpCDF	44.7		P

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-101SG-00-01-190923 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-05 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 26.9 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 23-Sep-2019 13:35	% Solids: 37.2	Date Analyzed : 12-Oct-19 10:50 Column: ZB-5MS 22-Oct-19 18:05 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.601		IS 13C-2,3,7,8-TCDD	66.0	25 - 164	
1,2,3,7,8-PeCDD	0.822			J	13C-1,2,3,7,8-PeCDD	74.3	25 - 181	
1,2,3,4,7,8-HxCDD	1.38			J	13C-1,2,3,4,7,8-HxCDD	55.0	32 - 141	
1,2,3,6,7,8-HxCDD	5.60				13C-1,2,3,6,7,8-HxCDD	58.5	28 - 130	
1,2,3,7,8,9-HxCDD	3.29				13C-1,2,3,7,8,9-HxCDD	58.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	135				13C-1,2,3,4,6,7,8-HpCDD	54.3	23 - 140	
OCDD	1290				13C-OCDD	26.3	17 - 157	
2,3,7,8-TCDF	11.8				13C-2,3,7,8-TCDF	57.3	24 - 169	
1,2,3,7,8-PeCDF	14.3				13C-1,2,3,7,8-PeCDF	71.1	24 - 185	
2,3,4,7,8-PeCDF	3.76				13C-2,3,4,7,8-PeCDF	65.0	21 - 178	
1,2,3,4,7,8-HxCDF	36.7				13C-1,2,3,4,7,8-HxCDF	62.2	26 - 152	
1,2,3,6,7,8-HxCDF	8.22				13C-1,2,3,6,7,8-HxCDF	68.7	26 - 123	
2,3,4,6,7,8-HxCDF	2.89				13C-2,3,4,6,7,8-HxCDF	58.9	28 - 136	
1,2,3,7,8,9-HxCDF	2.06			J	13C-1,2,3,7,8,9-HxCDF	63.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	25.8				13C-1,2,3,4,6,7,8-HpCDF	53.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	6.80				13C-1,2,3,4,7,8,9-HpCDF	56.0	26 - 138	
OCDF	62.4				13C-OCDF	34.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	67.8	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 11.7

TOTALS								
Total TCDD	7.07		8.00					
Total PeCDD	9.88		10.8					
Total HxCDD	60.6							
Total HpCDD	316							
Total TCDF	44.0		45.4					
Total PeCDF	52.8							
Total HxCDF	81.8							
Total HpCDF	73.5		74.2	P				

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-102SG-00-01-190923 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-06 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 24.7 g	QC Batch: B9J0052 Date Extracted: 07-Oct-2019 10:14
Date Collected: 23-Sep-2019 15:05	% Solids: 41.2	Date Analyzed : 17-Oct-19 09:26 Column: ZB-5MS 30-Oct-19 16:37 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.527				IS 13C-2,3,7,8-TCDD	98.3	25 - 164	
1,2,3,7,8-PeCDD	0.688			J	13C-1,2,3,7,8-PeCDD	92.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND		0.848		13C-1,2,3,4,7,8-HxCDD	94.5	32 - 141	
1,2,3,6,7,8-HxCDD	4.10				13C-1,2,3,6,7,8-HxCDD	79.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND		1.89		13C-1,2,3,7,8,9-HxCDD	85.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	72.7				13C-1,2,3,4,6,7,8-HpCDD	99.5	23 - 140	
OCDD	664				13C-OCDD	89.7	17 - 157	
2,3,7,8-TCDF	9.16				13C-2,3,7,8-TCDF	90.9	24 - 169	
1,2,3,7,8-PeCDF	10.5				13C-1,2,3,7,8-PeCDF	90.7	24 - 185	
2,3,4,7,8-PeCDF	2.96				13C-2,3,4,7,8-PeCDF	90.7	21 - 178	
1,2,3,4,7,8-HxCDF	18.1				13C-1,2,3,4,7,8-HxCDF	104	26 - 152	
1,2,3,6,7,8-HxCDF	5.13				13C-1,2,3,6,7,8-HxCDF	94.1	26 - 123	
2,3,4,6,7,8-HxCDF	1.95			J	13C-2,3,4,6,7,8-HxCDF	92.6	28 - 136	
1,2,3,7,8,9-HxCDF	0.851			J	13C-1,2,3,7,8,9-HxCDF	97.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	17.3				13C-1,2,3,4,6,7,8-HpCDF	94.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.78				13C-1,2,3,4,7,8,9-HpCDF	100	26 - 138	
OCDF	50.4				13C-OCDF	80.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	103	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 7.50

TOTALS			
Total TCDD	6.13		6.18
Total PeCDD	4.89		7.28
Total HxCDD	31.6		35.6
Total HpCDD	170		
Total TCDF	35.9		38.0
Total PeCDF	37.1		
Total HxCDF	47.7		48.0
Total HpCDF	49.8		

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: Duplicate					EPA Method 1613B			
Source Client ID: PDI-102SG-00-01-190923		QC Batch: B9J0052		Lab Sample: B9J0052-DUP1				
Source LabNumber: 1903285-06		Date Extracted: 07-Oct-2019 10:14		Date Analyzed: 17-Oct-19 10:14 Column: ZB-5MS				
Matrix: Solid				30-Oct-19 17:09 Column: ZB-5MS				
Sample Size: 24.5 g								
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.584		IS 13C-2,3,7,8-TCDD	96.0	25 - 164	
1,2,3,7,8-PeCDD	1.18			J	13C-1,2,3,7,8-PeCDD	92.0	25 - 181	
1,2,3,4,7,8-HxCDD	1.12			J	13C-1,2,3,4,7,8-HxCDD	84.6	32 - 141	
1,2,3,6,7,8-HxCDD	5.27				13C-1,2,3,6,7,8-HxCDD	77.4	28 - 130	
1,2,3,7,8,9-HxCDD	2.72				13C-1,2,3,7,8,9-HxCDD	79.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	99.5				13C-1,2,3,4,6,7,8-HpCDD	91.9	23 - 140	
OCDD	979				13C-OCDD	89.7	17 - 157	
2,3,7,8-TCDF	12.2				13C-2,3,7,8-TCDF	81.8	24 - 169	
1,2,3,7,8-PeCDF	12.7				13C-1,2,3,7,8-PeCDF	84.4	24 - 185	
2,3,4,7,8-PeCDF	5.07				13C-2,3,4,7,8-PeCDF	86.7	21 - 178	
1,2,3,4,7,8-HxCDF	20.1				13C-1,2,3,4,7,8-HxCDF	90.7	26 - 152	
1,2,3,6,7,8-HxCDF	5.23				13C-1,2,3,6,7,8-HxCDF	81.5	26 - 123	
2,3,4,6,7,8-HxCDF	2.51				13C-2,3,4,6,7,8-HxCDF	84.6	28 - 136	
1,2,3,7,8,9-HxCDF	1.01			J	13C-1,2,3,7,8,9-HxCDF	90.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	24.5				13C-1,2,3,4,6,7,8-HpCDF	94.4	28 - 143	
1,2,3,4,7,8,9-HpCDF	4.03				13C-1,2,3,4,7,8,9-HpCDF	90.5	26 - 138	
OCDF	60.1				13C-OCDF	88.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	109	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 9.69			
TOTALS								
Total TCDD	5.50		6.91					
Total PeCDD	9.83		10.0					
Total HxCDD	44.0							
Total HpCDD	254							
Total TCDF	41.4		45.8					
Total PeCDF	46.9		48.3					
Total HxCDF	59.7							
Total HpCDF	71.7							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: PDI-102SG-00-01-190923					Duplicate Lab Sample: B9J0052-DUP1				
Source LabNumber: 1903285-06									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	0.527	#	25	IS 13C-2,3,7,8-TCDD	96.0	98.3	25 - 164	
1,2,3,7,8-PeCDD	1.18	0.688	53.1	25	13C-1,2,3,7,8-PeCDD	92.0	92.8	25 - 181	
1,2,3,4,7,8-HxCDD	1.12	ND	#	25	13C-1,2,3,4,7,8-HxCDD	84.6	94.5	32 - 141	
1,2,3,6,7,8-HxCDD	5.27	4.10	24.8	25	13C-1,2,3,6,7,8-HxCDD	77.4	79.0	28 - 130	
1,2,3,7,8,9-HxCDD	2.72	ND	#	25	13C-1,2,3,7,8,9-HxCDD	79.4	85.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	99.5	72.7	31.1	25	13C-1,2,3,4,6,7,8-HpCDD	91.9	99.5	23 - 140	
OCDD	979	664	38.3	25	13C-OCDD	89.7	89.7	17 - 157	
2,3,7,8-TCDF	12.2	9.60	23.8	25	13C-2,3,7,8-TCDF	81.8	90.9	24 - 169	
1,2,3,7,8-PeCDF	12.7	10.5	18.7	25	13C-1,2,3,7,8-PeCDF	84.4	90.7	24 - 185	
2,3,4,7,8-PeCDF	5.07	2.96	52.4	25	13C-2,3,4,7,8-PeCDF	86.7	90.7	21 - 178	
1,2,3,4,7,8-HxCDF	20.1	18.1	10.1	25	13C-1,2,3,4,7,8-HxCDF	90.7	104	26 - 152	
1,2,3,6,7,8-HxCDF	5.23	5.13	2.03	25	13C-1,2,3,6,7,8-HxCDF	81.5	94.1	26 - 123	
2,3,4,6,7,8-HxCDF	2.51	1.95	25.4	25	13C-2,3,4,6,7,8-HxCDF	84.6	92.6	28 - 136	
1,2,3,7,8,9-HxCDF	1.01	0.851	17.1	25	13C-1,2,3,7,8,9-HxCDF	90.4	97.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	24.5	17.3	34.6	25	13C-1,2,3,4,6,7,8-HpCDF	94.4	94.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	4.03	3.78	6.20	25	13C-1,2,3,4,7,8,9-HpCDF	90.5	100	26 - 138	
OCDF	60.1	50.4	17.6	25	13C-OCDF	88.2	80.3	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	109	103	35 - 197	

LCL-UCL - Lower control limit - upper control limit
The results are reported in dry weight.
The sample size is reported in wet weight. Results reported to the MDL

Sample ID: PDI-103SG-00-01-190924 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-07 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 22.7 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 24-Sep-2019 14:30	% Solids: 44.6	Date Analyzed : 12-Oct-19 12:25 Column: ZB-5MS 22-Oct-19 19:08 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND		0.263		IS 13C-2,3,7,8-TCDD	67.7	25 - 164	
1,2,3,7,8-PeCDD	0.561			J	13C-1,2,3,7,8-PeCDD	73.9	25 - 181	
1,2,3,4,7,8-HxCDD	1.21			J	13C-1,2,3,4,7,8-HxCDD	57.5	32 - 141	
1,2,3,6,7,8-HxCDD	6.06				13C-1,2,3,6,7,8-HxCDD	60.0	28 - 130	
1,2,3,7,8,9-HxCDD	2.93				13C-1,2,3,7,8,9-HxCDD	61.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	240				13C-1,2,3,4,6,7,8-HpCDD	63.1	23 - 140	
OCDD	1830				13C-OCDD	45.6	17 - 157	
2,3,7,8-TCDF	12.5				13C-2,3,7,8-TCDF	60.5	24 - 169	
1,2,3,7,8-PeCDF	77.0				13C-1,2,3,7,8-PeCDF	68.7	24 - 185	
2,3,4,7,8-PeCDF	10.0				13C-2,3,4,7,8-PeCDF	69.4	21 - 178	
1,2,3,4,7,8-HxCDF	596				13C-1,2,3,4,7,8-HxCDF	64.5	26 - 152	
1,2,3,6,7,8-HxCDF	137				13C-1,2,3,6,7,8-HxCDF	65.6	26 - 123	
2,3,4,6,7,8-HxCDF	13.5				13C-2,3,4,6,7,8-HxCDF	60.3	28 - 136	
1,2,3,7,8,9-HxCDF	9.64				13C-1,2,3,7,8,9-HxCDF	71.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	533				13C-1,2,3,4,6,7,8-HpCDF	60.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	101				13C-1,2,3,4,7,8,9-HpCDF	68.6	26 - 138	
OCDF	570				13C-OCDF	48.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	64.7	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
TEQMinWHO2005Dioxin 93.2

TOTALS								
Total TCDD	5.31		5.78					
Total PeCDD	4.83		6.87					
Total HxCDD	66.1							
Total HpCDD	546							
Total TCDF	40.4		42.6					
Total PeCDF	138							
Total HxCDF	830							
Total HpCDF	783			P				

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-104SG-00-01-190924 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-08 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 27.0 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 24-Sep-2019 14:45	% Solids: 37.1	Date Analyzed : 10-Oct-19 01:44 Column: ZB-5MS 22-Oct-19 19:40 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.540				IS 13C-2,3,7,8-TCDD	81.4	25 - 164	
1,2,3,7,8-PeCDD	0.788			J	13C-1,2,3,7,8-PeCDD	98.4	25 - 181	
1,2,3,4,7,8-HxCDD	1.15			J	13C-1,2,3,4,7,8-HxCDD	84.2	32 - 141	
1,2,3,6,7,8-HxCDD	4.18				13C-1,2,3,6,7,8-HxCDD	80.3	28 - 130	
1,2,3,7,8,9-HxCDD	2.21			J	13C-1,2,3,7,8,9-HxCDD	83.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	127				13C-1,2,3,4,6,7,8-HpCDD	91.8	23 - 140	
OCDD	1040				13C-OCDD	74.1	17 - 157	
2,3,7,8-TCDF	19.7				13C-2,3,7,8-TCDF	67.0	24 - 169	
1,2,3,7,8-PeCDF	19.9				13C-1,2,3,7,8-PeCDF	80.9	24 - 185	
2,3,4,7,8-PeCDF	8.63				13C-2,3,4,7,8-PeCDF	80.1	21 - 178	
1,2,3,4,7,8-HxCDF	27.4				13C-1,2,3,4,7,8-HxCDF	89.8	26 - 152	
1,2,3,6,7,8-HxCDF	6.67				13C-1,2,3,6,7,8-HxCDF	89.5	26 - 123	
2,3,4,6,7,8-HxCDF	2.64				13C-2,3,4,6,7,8-HxCDF	82.3	28 - 136	
1,2,3,7,8,9-HxCDF	2.91				13C-1,2,3,7,8,9-HxCDF	87.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	23.3				13C-1,2,3,4,6,7,8-HpCDF	81.6	28 - 143	
1,2,3,4,7,8,9-HpCDF	5.39				13C-1,2,3,4,7,8,9-HpCDF	83.8	26 - 138	
OCDF	64.6				13C-OCDF	77.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	78.6	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 13.1

TOTALS		
Total TCDD	3.97	6.96
Total PeCDD	5.29	7.02
Total HxCDD	43.7	
Total HpCDD	274	
Total TCDF	59.2	60.0
Total PeCDF	62.1	62.7
Total HxCDF	69.8	
Total HpCDF	72.8	P

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-105SG-00-0.99-190924 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-09 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 20.2 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 24-Sep-2019 14:00	% Solids: 48.1	Date Analyzed : 10-Oct-19 02:32 Column: ZB-5MS 22-Oct-19 20:12 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	0.343			J	IS 13C-2,3,7,8-TCDD	86.1	25 - 164	
1,2,3,7,8-PeCDD	ND		0.590		13C-1,2,3,7,8-PeCDD	90.1	25 - 181	
1,2,3,4,7,8-HxCDD	0.700			J	13C-1,2,3,4,7,8-HxCDD	81.5	32 - 141	
1,2,3,6,7,8-HxCDD	3.70				13C-1,2,3,6,7,8-HxCDD	79.4	28 - 130	
1,2,3,7,8,9-HxCDD	1.77			J	13C-1,2,3,7,8,9-HxCDD	79.4	32 - 141	
1,2,3,4,6,7,8-HpCDD	133				13C-1,2,3,4,6,7,8-HpCDD	89.8	23 - 140	
OCDD	1210				13C-OCDD	71.5	17 - 157	
2,3,7,8-TCDF	11.6				13C-2,3,7,8-TCDF	73.6	24 - 169	
1,2,3,7,8-PeCDF	8.61				13C-1,2,3,7,8-PeCDF	83.1	24 - 185	
2,3,4,7,8-PeCDF	4.30				13C-2,3,4,7,8-PeCDF	81.0	21 - 178	
1,2,3,4,7,8-HxCDF	11.6				13C-1,2,3,4,7,8-HxCDF	85.1	26 - 152	
1,2,3,6,7,8-HxCDF	3.05				13C-1,2,3,6,7,8-HxCDF	89.2	26 - 123	
2,3,4,6,7,8-HxCDF	1.44			J	13C-2,3,4,6,7,8-HxCDF	82.1	28 - 136	
1,2,3,7,8,9-HxCDF	1.31			J	13C-1,2,3,7,8,9-HxCDF	87.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	17.6				13C-1,2,3,4,6,7,8-HpCDF	85.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.97				13C-1,2,3,4,7,8,9-HpCDF	86.0	26 - 138	
OCDF	64.6				13C-OCDF	75.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	82.3	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 7.33

TOTALS			
Total TCDD	4.76		
Total PeCDD	4.04	5.76	
Total HxCDD	38.7		
Total HpCDD	285		
Total TCDF	34.7	37.8	
Total PeCDF	28.1	31.7	
Total HxCDF	37.1		
Total HpCDF	57.6		

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: PDI-106SG-00-01-190924 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903285-10 Date Received: 26-Sep-2019 9:45
Project: Gasco PDI	Sample Size: 27.2 g	QC Batch: B9J0001 Date Extracted: 01-Oct-2019 6:09
Date Collected: 24-Sep-2019 15:05	% Solids: 37.0	Date Analyzed : 10-Oct-19 03:19 Column: ZB-5MS 22-Oct-19 16:30 Column: DB-225

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0788			IS 13C-2,3,7,8-TCDD	69.6	25 - 164	
1,2,3,7,8-PeCDD	ND		0.330		13C-1,2,3,7,8-PeCDD	84.1	25 - 181	
1,2,3,4,7,8-HxCDD	0.380			J	13C-1,2,3,4,7,8-HxCDD	89.7	32 - 141	
1,2,3,6,7,8-HxCDD	1.72			J	13C-1,2,3,6,7,8-HxCDD	85.4	28 - 130	
1,2,3,7,8,9-HxCDD	0.870			J	13C-1,2,3,7,8,9-HxCDD	88.3	32 - 141	
1,2,3,4,6,7,8-HpCDD	44.3				13C-1,2,3,4,6,7,8-HpCDD	99.6	23 - 140	
OCDD	395				13C-OCDD	77.9	17 - 157	
2,3,7,8-TCDF	4.92				13C-2,3,7,8-TCDF	60.7	24 - 169	
1,2,3,7,8-PeCDF	5.47				13C-1,2,3,7,8-PeCDF	76.9	24 - 185	
2,3,4,7,8-PeCDF	2.06			J	13C-2,3,4,7,8-PeCDF	75.8	21 - 178	
1,2,3,4,7,8-HxCDF	8.53				13C-1,2,3,4,7,8-HxCDF	85.3	26 - 152	
1,2,3,6,7,8-HxCDF	2.78				13C-1,2,3,6,7,8-HxCDF	89.7	26 - 123	
2,3,4,6,7,8-HxCDF	0.780			J	13C-2,3,4,6,7,8-HxCDF	91.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND		0.596		13C-1,2,3,7,8,9-HxCDF	91.0	29 - 147	
1,2,3,4,6,7,8-HpCDF	11.0				13C-1,2,3,4,6,7,8-HpCDF	92.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	2.36			J	13C-1,2,3,4,7,8,9-HpCDF	90.4	26 - 138	
OCDF	30.1				13C-OCDF	82.0	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	70.1	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)

TEQMinWHO2005Dioxin 3.48

TOTALS			
Total TCDD	1.75		2.40
Total PeCDD	0.710		1.76
Total HxCDD	14.3		14.6
Total HpCDD	98.2		
Total TCDF	13.9		16.0
Total PeCDF	15.8		17.4
Total HxCDF	18.1		23.5
Total HpCDF	31.5		

P

DL - Sample specific estimated detection limit
EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit
The results are reported in dry weight. The sample size is reported in wet weight.
Min-The TEQ is calculated using zero for the concentration of congeners that are not detected.

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B9J0053	Lab Sample: B9J0053-BLK1
Sample Size: 10.0 g	Date Extracted: 07-Oct-2019 11:35	Date Analyzed: 10-Oct-19 19:41 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.144			PCB-44	ND	0.274		
PCB-2	ND	0.146			PCB-45	ND	0.271		
PCB-3	ND	0.147			PCB-46	ND	0.290		
PCB-4/10	ND	0.807			PCB-47	ND		0.720	
PCB-5/8	ND	0.640			PCB-48/75	ND	0.204		
PCB-6	ND	0.637			PCB-50	ND	0.239		
PCB-7/9	ND	0.663			PCB-51	ND	0.214		
PCB-11	ND	0.635			PCB-52/69	ND	0.200		
PCB-12/13	ND	0.671			PCB-53	ND	0.229		
PCB-14	ND	0.674			PCB-54	ND	0.187		
PCB-15	ND	0.677			PCB-55	ND	0.169		
PCB-16/32	ND	0.245			PCB-56/60	ND	0.194		
PCB-17	ND	0.291			PCB-57	ND	0.172		
PCB-18	ND	0.280			PCB-58	ND	0.162		
PCB-19	ND	0.284			PCB-61/70	ND	0.183		
PCB-20/21/33	ND	0.230			PCB-62	ND	0.196		
PCB-22	ND	0.223			PCB-63	ND	0.188		
PCB-23	ND	0.237			PCB-65	ND	0.188		
PCB-24/27	ND	0.212			PCB-66/76	ND	0.169		
PCB-25	ND	0.236			PCB-67	ND	0.182		
PCB-26	ND	0.230			PCB-68	ND	0.188		
PCB-28	ND	0.208			PCB-73	ND	0.170		
PCB-29	ND	0.242			PCB-74	ND	0.169		
PCB-30	ND	0.179			PCB-77	ND	0.196		
PCB-31	ND	0.205			PCB-78	ND	0.193		
PCB-34	ND	0.233			PCB-79	ND	0.173		
PCB-35	ND	0.230			PCB-80	ND	0.167		
PCB-36	ND	0.221			PCB-81	ND	0.214		
PCB-37	ND	0.235			PCB-82	ND	0.484		
PCB-38	ND	0.230			PCB-83	ND	0.259		
PCB-39	ND	0.240			PCB-84/92	ND	0.404		
PCB-40	ND	0.362			PCB-85/116	ND	0.329		
PCB-41/64/71/72	ND	0.193			PCB-86	ND	0.402		
PCB-42/59	ND	0.217			PCB-87/117/125	ND	0.300		
PCB-43/49	ND	0.233			PCB-88/91	ND	0.381		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B9J0053	Lab Sample: B9J0053-BLK1
Sample Size: 10.0 g	Date Extracted: 07-Oct-2019 11:35	Date Analyzed: 10-Oct-19 19:41 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.370			PCB-137	ND	0.276		
PCB-90/101	ND	0.376			PCB-138/163/164	ND	0.209		
PCB-93	ND	0.403			PCB-139/149	ND	0.293		
PCB-94	ND	0.438			PCB-140	ND	0.345		
PCB-95/98/102	ND	0.334			PCB-141	ND	0.282		
PCB-96	ND	0.268			PCB-142	ND	0.306		
PCB-97	ND	0.372			PCB-144	ND	0.325		
PCB-99	ND	0.317			PCB-145	ND	0.216		
PCB-100	ND	0.344			PCB-146/165	ND	0.226		
PCB-103	ND	0.345			PCB-147	ND	0.327		
PCB-104	ND	0.269			PCB-148	ND	0.312		
PCB-105	ND	0.280			PCB-150	ND	0.246		
PCB-106/118	ND	0.290			PCB-151	ND	0.342		
PCB-107/109	ND	0.280			PCB-152	ND	0.215		
PCB-108/112	ND	0.320			PCB-153	ND	0.214		
PCB-110	ND	0.269			PCB-154	ND	0.299		
PCB-111/115	ND	0.250			PCB-155	ND	0.248		
PCB-113	ND	0.288			PCB-156	ND	0.223		
PCB-114	ND	0.279			PCB-157	ND	0.238		
PCB-119	ND	0.272			PCB-158/160	ND	0.218		
PCB-120	ND	0.238			PCB-159	ND	0.204		
PCB-121	ND	0.244			PCB-166	ND	0.213		
PCB-122	ND	0.334			PCB-167	ND	0.216		
PCB-123	ND	0.313			PCB-168	ND	0.213		
PCB-124	ND	0.280			PCB-169	ND	0.227		
PCB-126	ND	0.276			PCB-170	ND	0.274		
PCB-127	ND	0.254			PCB-171	ND	0.256		
PCB-128/162	ND	0.268			PCB-172	ND	0.243		
PCB-129	ND	0.314			PCB-173	ND	0.278		
PCB-130	ND	0.325			PCB-174	ND	0.261		
PCB-131/133	ND	0.274			PCB-175	ND	0.223		
PCB-132/161	ND	0.223			PCB-176	ND	0.163		
PCB-134/143	ND	0.296			PCB-177	ND	0.256		
PCB-135	ND	0.302			PCB-178	ND	0.228		
PCB-136	ND	0.257			PCB-179	ND	0.161		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Solid		QC Batch: B9J0053			Lab Sample: B9J0053-BLK1				
Sample Size: 10.0 g		Date Extracted: 07-Oct-2019 11:35			Date Analyzed: 10-Oct-19 19:41 Column: ZB-1				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.241			Total octaCB	ND	0.171		
PCB-181	ND	0.225			Total nonaCB	ND	0.146		
PCB-182/187	ND	0.197			DecaCB	ND	0.0901		
PCB-183	ND	0.198			Total PCB	ND			
PCB-184	ND	0.162							
PCB-185	ND	0.241							
PCB-186	ND	0.156							
PCB-188	ND	0.159							
PCB-189	ND	0.186							
PCB-190	ND	0.202							
PCB-191	ND	0.202							
PCB-192	ND	0.187							
PCB-193	ND	0.206							
PCB-194	ND	0.153							
PCB-195	ND	0.171							
PCB-196/203	ND	0.148							
PCB-197	ND	0.119							
PCB-198	ND	0.155							
PCB-199	ND	0.164							
PCB-200	ND	0.122							
PCB-201	ND	0.127							
PCB-202	ND	0.113							
PCB-204	ND	0.119							
PCB-205	ND	0.126							
PCB-206	ND	0.146							
PCB-207	ND	0.119							
PCB-208	ND	0.117							
PCB-209	ND	0.0901							
Total monoCB	ND	0.147							
Total diCB	ND	0.807							
Total triCB	ND	0.291							
Total tetraCB	ND		0.720						
Total pentaCB	ND	0.484							
Total hexaCB	ND	0.345							
Total heptaCB	ND	0.278							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B9J0053	Lab Sample: B9J0053-BLK1
Sample Size: 10.0 g	Date Extracted: 07-Oct-2019 11:35	Date Analyzed: 10-Oct-19 19:41 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	53.9	5 - 145		13C-PCB-157	80.6	10 - 145	
13C-PCB-3	55.4	5 - 145		13C-PCB-159	81.6	10 - 145	
13C-PCB-4	68.2	5 - 145		13C-PCB-167	82.7	10 - 145	
13C-PCB-11	71.9	5 - 145		13C-PCB-169	81.4	10 - 145	
13C-PCB-9	71.8	5 - 145		13C-PCB-170	82.8	10 - 145	
13C-PCB-19	58.5	5 - 145		13C-PCB-180	81.1	10 - 145	
13C-PCB-28	75.0	5 - 145		13C-PCB-188	84.9	10 - 145	
13C-PCB-32	58.0	5 - 145		13C-PCB-189	80.1	10 - 145	
13C-PCB-37	76.0	5 - 145		13C-PCB-194	84.3	10 - 145	
13C-PCB-47	76.0	5 - 145		13C-PCB-202	65.7	10 - 145	
13C-PCB-52	76.6	5 - 145		13C-PCB-206	79.3	10 - 145	
13C-PCB-54	72.3	5 - 145		13C-PCB-208	79.0	10 - 145	
13C-PCB-70	79.2	5 - 145		13C-PCB-209	66.7	10 - 145	
13C-PCB-77	76.9	10 - 145		CRS 13C-PCB-79	85.4	10 - 145	
13C-PCB-80	78.6	10 - 145		13C-PCB-178	77.8	10 - 145	
13C-PCB-81	76.6	10 - 145					
13C-PCB-95	80.8	10 - 145					
13C-PCB-97	82.1	10 - 145					
13C-PCB-101	81.8	10 - 145					
13C-PCB-104	82.0	10 - 145					
13C-PCB-105	92.3	10 - 145					
13C-PCB-114	91.8	10 - 145					
13C-PCB-118	81.0	10 - 145					
13C-PCB-123	81.2	10 - 145					
13C-PCB-126	92.6	10 - 145					
13C-PCB-127	94.6	10 - 145					
13C-PCB-138	85.5	10 - 145					
13C-PCB-141	84.8	10 - 145					
13C-PCB-153	85.0	10 - 145					
13C-PCB-155	62.6	10 - 145					
13C-PCB-156	82.0	10 - 145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: OPR**EPA Method 1668C**Matrix: Solid
Sample Size: 10.0 gQC Batch: B9J0053
Date Extracted: 07-Oct-2019 11:35Lab Sample: B9J0053-BS1
Date Analyzed: 10-Oct-19 17:35 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	639	500	128	60 - 135	IS 13C-PCB-1	51.0	15 - 145
PCB-3	629	500	126	60 - 135	IS 13C-PCB-3	55.0	15 - 145
PCB-4/10	1120	1000	112	60 - 135	IS 13C-PCB-4	65.0	15 - 145
PCB-15	559	500	112	60 - 135	IS 13C-PCB-11	75.3	15 - 145
PCB-19	582	500	116	60 - 135	IS 13C-PCB-9	68.7	15 - 145
PCB-37	539	500	108	60 - 135	IS 13C-PCB-19	57.1	15 - 145
PCB-54	573	500	115	60 - 135	IS 13C-PCB-28	74.7	15 - 145
PCB-77	555	500	111	60 - 135	IS 13C-PCB-32	59.0	15 - 145
PCB-81	546	500	109	60 - 135	IS 13C-PCB-37	79.4	15 - 145
PCB-104	549	500	110	60 - 135	IS 13C-PCB-47	83.7	15 - 145
PCB-105	541	500	108	60 - 135	IS 13C-PCB-52	82.2	15 - 145
PCB-106/118	1100	1000	110	60 - 135	IS 13C-PCB-54	76.5	15 - 145
PCB-114	541	500	108	60 - 135	IS 13C-PCB-70	82.7	15 - 145
PCB-123	555	500	111	60 - 135	IS 13C-PCB-77	85.4	40 - 145
PCB-126	560	500	112	60 - 135	IS 13C-PCB-80	83.0	40 - 145
PCB-155	552	500	110	60 - 135	IS 13C-PCB-81	83.6	40 - 145
PCB-156	554	500	111	60 - 135	IS 13C-PCB-95	82.0	40 - 145
PCB-157	536	500	107	60 - 135	IS 13C-PCB-97	83.5	40 - 145
PCB-167	541	500	108	60 - 135	IS 13C-PCB-101	86.1	40 - 145
PCB-169	535	500	107	60 - 135	IS 13C-PCB-104	81.3	40 - 145
PCB-188	526	500	105	60 - 135	IS 13C-PCB-105	98.9	40 - 145
PCB-189	538	500	108	60 - 135	IS 13C-PCB-114	95.5	40 - 145
PCB-202	548	500	110	60 - 135	IS 13C-PCB-118	88.7	40 - 145
PCB-205	535	500	107	60 - 135	IS 13C-PCB-123	88.5	40 - 145
PCB-206	532	500	106	60 - 135	IS 13C-PCB-126	98.9	40 - 145
PCB-208	523	500	105	60 - 135	IS 13C-PCB-127	98.2	40 - 145
PCB-209	527	500	105	60 - 135	IS 13C-PCB-138	89.3	40 - 145
					IS 13C-PCB-141	88.8	40 - 145
					IS 13C-PCB-153	88.4	40 - 145
					IS 13C-PCB-155	65.3	40 - 145
					IS 13C-PCB-156	87.2	40 - 145
					IS 13C-PCB-157	88.5	40 - 145
					IS 13C-PCB-159	89.3	40 - 145
					IS 13C-PCB-167	87.4	40 - 145
					IS 13C-PCB-169	91.6	40 - 145
					IS 13C-PCB-170	90.8	40 - 145
					IS 13C-PCB-180	90.6	40 - 145
					IS 13C-PCB-188	93.6	40 - 145
					IS 13C-PCB-189	95.4	40 - 145
					IS 13C-PCB-194	90.1	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 10.0 g

QC Batch: B9J0053
Date Extracted: 07-Oct-2019 11:35

Lab Sample: B9J0053-BS1
Date Analyzed: 10-Oct-19 17:35 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	72.6	40 - 145
					IS 13C-PCB-206	83.9	40 - 145
					IS 13C-PCB-208	88.2	40 - 145
					IS 13C-PCB-209	67.5	40 - 145
					CRS 13C-PCB-79	83.8	40 - 145
					CRS 13C-PCB-178	74.2	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B9J0219	Lab Sample: B9J0219-BLK1
Sample Size: 1.00 g	Date Extracted: 21-Oct-2019 8:15	Date Analyzed: 28-Oct-19 21:39 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	1.40			PCB-44	ND	2.15		
PCB-2	ND	1.37			PCB-45	ND	2.07		
PCB-3	ND	1.37			PCB-46	ND	2.22		
PCB-4/10	ND	8.44			PCB-47	ND	1.89		
PCB-5/8	ND	6.98			PCB-48/75	ND	1.60		
PCB-6	ND	6.94			PCB-50	ND	1.69		
PCB-7/9	ND	7.23			PCB-51	ND	1.63		
PCB-11	ND	6.68			PCB-52/69	ND	1.53		
PCB-12/13	ND	7.06			PCB-53	ND	1.75		
PCB-14	ND	7.09			PCB-54	ND	1.33		
PCB-15	ND	7.12			PCB-55	ND	1.26		
PCB-16/32	ND	2.41			PCB-56/60	ND	1.44		
PCB-17	ND	2.86			PCB-57	ND	1.35		
PCB-18	ND	2.76			PCB-58	ND	1.27		
PCB-19	ND	2.69			PCB-61/70	ND	1.44		
PCB-20/21/33	ND	1.77			PCB-62	ND	1.54		
PCB-22	ND	1.72			PCB-63	ND	1.47		
PCB-23	ND	1.82			PCB-65	ND	1.48		
PCB-24/27	ND	2.09			PCB-66/76	ND	1.33		
PCB-25	ND	1.81			PCB-67	ND	1.43		
PCB-26	ND	1.77			PCB-68	ND	1.48		
PCB-28	ND	1.60			PCB-73	ND	1.29		
PCB-29	ND	1.86			PCB-74	ND	1.33		
PCB-30	ND	1.70			PCB-77	ND	1.49		
PCB-31	ND	1.58			PCB-78	ND	1.36		
PCB-34	ND	1.80			PCB-79	ND	1.29		
PCB-35	ND	1.74			PCB-80	ND	1.24		
PCB-36	ND	1.67			PCB-81	ND	1.51		
PCB-37	ND	1.78			PCB-82	ND	3.94		
PCB-38	ND	1.74			PCB-83	ND	2.15		
PCB-39	ND	1.82			PCB-84/92	ND	3.42		
PCB-40	ND	2.84			PCB-85/116	ND	2.74		
PCB-41/64/71/72	ND	1.52			PCB-86	ND	3.35		
PCB-42/59	ND	1.71			PCB-87/117/125	ND	2.50		
PCB-43/49	ND	1.78			PCB-88/91	ND	3.34		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B9J0219	Lab Sample: B9J0219-BLK1
Sample Size: 1.00 g	Date Extracted: 21-Oct-2019 8:15	Date Analyzed: 28-Oct-19 21:39 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	3.13			PCB-137	ND	1.82		
PCB-90/101	ND	3.19			PCB-138/163/164	ND	1.43		
PCB-93	ND	3.54			PCB-139/149	ND	1.56		
PCB-94	ND	3.85			PCB-140	ND	1.84		
PCB-95/98/102	ND	2.93			PCB-141	ND	1.86		
PCB-96	ND	2.27			PCB-142	ND	2.01		
PCB-97	ND	3.10			PCB-144	ND	1.73		
PCB-99	ND	2.69			PCB-145	ND	1.16		
PCB-100	ND	2.91			PCB-146/165	ND	1.49		
PCB-103	ND	2.92			PCB-147	ND	1.75		
PCB-104	ND	2.28			PCB-148	ND	1.67		
PCB-105	ND	2.15			PCB-150	ND	1.31		
PCB-106/118	ND	2.36			PCB-151	ND	1.83		
PCB-107/109	ND	2.28			PCB-152	ND	1.15		
PCB-108/112	ND	2.67			PCB-153	ND	1.41		
PCB-110	ND	2.24			PCB-154	ND	1.60		
PCB-111/115	ND	2.08			PCB-155	ND	1.32		
PCB-113	ND	2.44			PCB-156	ND	1.51		
PCB-114	ND	2.01			PCB-157	ND	1.57		
PCB-119	ND	2.26			PCB-158/160	ND	1.49		
PCB-120	ND	1.98			PCB-159	ND	1.37		
PCB-121	ND	2.15			PCB-166	ND	1.43		
PCB-122	ND	2.40			PCB-167	ND	1.48		
PCB-123	ND	2.55			PCB-168	ND	1.40		
PCB-124	ND	2.28			PCB-169	ND	1.54		
PCB-126	ND	2.13			PCB-170	ND	1.98		
PCB-127	ND	1.95			PCB-171	ND	1.91		
PCB-128/162	ND	1.80			PCB-172	ND	1.82		
PCB-129	ND	2.14			PCB-173	ND	2.08		
PCB-130	ND	2.14			PCB-174	ND	1.95		
PCB-131/133	ND	1.80			PCB-175	ND	1.64		
PCB-132/161	ND	1.46			PCB-176	ND	1.20		
PCB-134/143	ND	1.94			PCB-177	ND	1.92		
PCB-135	ND	1.61			PCB-178	ND	1.68		
PCB-136	ND	1.37			PCB-179	ND	1.19		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: Method Blank					EPA Method 1668C				
Matrix: Solid		QC Batch: B9J0219			Lab Sample: B9J0219-BLK1				
Sample Size: 1.00 g		Date Extracted: 21-Oct-2019 8:15			Date Analyzed: 28-Oct-19 21:39 Column: ZB-1				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	1.80			Total octaCB	ND		4.53	
PCB-181	ND	1.68			Total nonaCB	ND	0.553		
PCB-182/187	ND	1.45			DecaCB	ND		1.45	
PCB-183	ND	1.46			Total PCB	ND			
PCB-184	ND	1.20							
PCB-185	ND	1.80							
PCB-186	ND	1.15							
PCB-188	ND	1.17							
PCB-189	ND	1.30							
PCB-190	ND	1.46							
PCB-191	ND	1.51							
PCB-192	ND	1.40							
PCB-193	ND	1.54							
PCB-194	ND		4.53						
PCB-195	ND	1.15							
PCB-196/203	ND	1.76							
PCB-197	ND	1.41							
PCB-198	ND	1.84							
PCB-199	ND	1.95							
PCB-200	ND	1.45							
PCB-201	ND	1.51							
PCB-202	ND	1.35							
PCB-204	ND	1.41							
PCB-205	ND	0.850							
PCB-206	ND	0.553							
PCB-207	ND	0.460							
PCB-208	ND	0.449							
PCB-209	ND		1.45						
Total monoCB	ND	1.40							
Total diCB	ND	8.44							
Total triCB	ND	2.86							
Total tetraCB	ND	2.84							
Total pentaCB	ND	3.85							
Total hexaCB	ND	2.14							
Total heptaCB	ND	2.08							

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL- Lower control limit - upper control limit

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: Method Blank

EPA Method 1668C

Matrix: Solid	QC Batch: B9J0219	Lab Sample: B9J0219-BLK1
Sample Size: 1.00 g	Date Extracted: 21-Oct-2019 8:15	Date Analyzed: 28-Oct-19 21:39 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	61.7	5-145		13C-PCB-157	87.7	10-145	
13C-PCB-3	64.6	5-145		13C-PCB-159	87.9	10-145	
13C-PCB-4	78.5	5-145		13C-PCB-167	87.1	10-145	
13C-PCB-11	81.5	5-145		13C-PCB-169	84.9	10-145	
13C-PCB-9	77.0	5-145		13C-PCB-170	87.3	10-145	
13C-PCB-19	59.3	5-145		13C-PCB-180	86.0	10-145	
13C-PCB-28	86.4	5-145		13C-PCB-188	89.6	10-145	
13C-PCB-32	57.4	5-145		13C-PCB-189	87.9	10-145	
13C-PCB-37	86.9	5-145		13C-PCB-194	88.6	10-145	
13C-PCB-47	81.6	5-145		13C-PCB-202	72.8	10-145	
13C-PCB-52	83.6	5-145		13C-PCB-206	84.1	10-145	
13C-PCB-54	79.7	5-145		13C-PCB-208	82.0	10-145	
13C-PCB-70	83.9	5-145		13C-PCB-209	78.7	10-145	
13C-PCB-77	83.9	10-145		CRS 13C-PCB-79	88.8	10-145	
13C-PCB-80	83.5	10-145		13C-PCB-178	78.6	10-145	
13C-PCB-81	88.6	10-145					
13C-PCB-95	79.9	10-145					
13C-PCB-97	85.3	10-145					
13C-PCB-101	82.2	10-145					
13C-PCB-104	79.5	10-145					
13C-PCB-105	98.0	10-145					
13C-PCB-114	103	10-145					
13C-PCB-118	85.9	10-145					
13C-PCB-123	86.5	10-145					
13C-PCB-126	99.0	10-145					
13C-PCB-127	101	10-145					
13C-PCB-138	89.7	10-145					
13C-PCB-141	92.4	10-145					
13C-PCB-153	91.8	10-145					
13C-PCB-155	61.6	10-145					
13C-PCB-156	85.6	10-145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
individual congeners for qualifiers.

See

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 1.00 g

QC Batch: B9J0219
Date Extracted: 21-Oct-2019 8:15

Lab Sample: B9J0219-BS1
Date Analyzed: 28-Oct-19 17:33 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	12700	10000	127	60 - 135	IS 13C-PCB-1	67.3	15 - 145
PCB-3	12400	10000	124	60 - 135	IS 13C-PCB-3	70.5	15 - 145
PCB-4/10	22400	20000	112	60 - 135	IS 13C-PCB-4	82.8	15 - 145
PCB-15	11400	10000	114	60 - 135	IS 13C-PCB-11	86.4	15 - 145
PCB-19	12200	10000	122	60 - 135	IS 13C-PCB-9	81.9	15 - 145
PCB-37	10700	10000	107	60 - 135	IS 13C-PCB-19	63.7	15 - 145
PCB-54	11600	10000	116	60 - 135	IS 13C-PCB-28	95.2	15 - 145
PCB-77	11600	10000	116	60 - 135	IS 13C-PCB-32	68.2	15 - 145
PCB-81	11400	10000	114	60 - 135	IS 13C-PCB-37	102	15 - 145
PCB-104	11300	10000	113	60 - 135	IS 13C-PCB-47	89.3	15 - 145
PCB-105	10800	10000	108	60 - 135	IS 13C-PCB-52	87.0	15 - 145
PCB-106/118	22600	20000	113	60 - 135	IS 13C-PCB-54	86.4	15 - 145
PCB-114	10600	10000	106	60 - 135	IS 13C-PCB-70	91.7	15 - 145
PCB-123	11400	10000	114	60 - 135	IS 13C-PCB-77	97.3	40 - 145
PCB-126	11300	10000	113	60 - 135	IS 13C-PCB-80	91.2	40 - 145
PCB-155	11700	10000	117	60 - 135	IS 13C-PCB-81	97.0	40 - 145
PCB-156	11300	10000	113	60 - 135	IS 13C-PCB-95	81.9	40 - 145
PCB-157	11300	10000	113	60 - 135	IS 13C-PCB-97	84.9	40 - 145
PCB-167	11300	10000	113	60 - 135	IS 13C-PCB-101	83.7	40 - 145
PCB-169	11200	10000	112	60 - 135	IS 13C-PCB-104	85.1	40 - 145
PCB-188	10800	10000	108	60 - 135	IS 13C-PCB-105	96.3	40 - 145
PCB-189	11300	10000	113	60 - 135	IS 13C-PCB-114	98.9	40 - 145
PCB-202	11100	10000	111	60 - 135	IS 13C-PCB-118	94.4	40 - 145
PCB-205	11500	10000	115	60 - 135	IS 13C-PCB-123	93.8	40 - 145
PCB-206	11100	10000	111	60 - 135	IS 13C-PCB-126	101	40 - 145
PCB-208	10900	10000	109	60 - 135	IS 13C-PCB-127	95.8	40 - 145
PCB-209	11200	10000	112	60 - 135	IS 13C-PCB-138	88.7	40 - 145
					IS 13C-PCB-141	87.3	40 - 145
					IS 13C-PCB-153	85.2	40 - 145
					IS 13C-PCB-155	61.6	40 - 145
					IS 13C-PCB-156	95.6	40 - 145
					IS 13C-PCB-157	93.8	40 - 145
					IS 13C-PCB-159	92.0	40 - 145
					IS 13C-PCB-167	92.5	40 - 145
					IS 13C-PCB-169	95.6	40 - 145
					IS 13C-PCB-170	95.3	40 - 145
					IS 13C-PCB-180	92.5	40 - 145
					IS 13C-PCB-188	88.6	40 - 145
					IS 13C-PCB-189	104	40 - 145
					IS 13C-PCB-194	92.5	40 - 145

Sample ID: OPR

EPA Method 1668C

Matrix: Solid
Sample Size: 1.00 g

QC Batch: B9J0219
Date Extracted: 21-Oct-2019 8:15

Lab Sample: B9J0219-BS1
Date Analyzed: 28-Oct-19 17:33 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	79.6	40 - 145
					IS 13C-PCB-206	84.7	40 - 145
					IS 13C-PCB-208	85.1	40 - 145
					IS 13C-PCB-209	73.9	40 - 145
					CRS 13C-PCB-79	101	40 - 145
					CRS 13C-PCB-178	81.4	40 - 145

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-01	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	1.88 g	QC Batch:	B9J0219	Date Extracted:	21-Oct-2019 8:15
Date Collected:	23-Sep-2019 17:05	% Solids:	53.4	Date Analyzed :	04-Nov-19 18:18	Column:	ZB-1
				29-Oct-19 01:47 Column: ZB-1			

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	111			D, J	PCB-44	7540			
PCB-2	ND		91.0	D	PCB-45	1250			
PCB-3	ND		152	D	PCB-46	202			
PCB-4/10	ND	75.2		D	PCB-47	3230			
PCB-5/8	1180			D	PCB-48/75	1910			
PCB-6	ND	61.3		D	PCB-50	ND		16.8	
PCB-7/9	ND	63.9		D	PCB-51	139			
PCB-11	ND	82.3		D	PCB-52/69	9660			
PCB-12/13	ND	87.0		D	PCB-53	950			
PCB-14	ND	87.4		D	PCB-54	ND		16.0	
PCB-15	ND		592	D	PCB-55	171			
PCB-16/32	2540			D	PCB-56/60	15500			
PCB-17	2230			D	PCB-57	ND	9.87		
PCB-18	1520			D	PCB-58	ND	9.29		
PCB-19	ND		233	D	PCB-61/70	13300			
PCB-20/21/33	2520			D	PCB-62	ND		1.40	
PCB-22	1440			D	PCB-63	ND	10.7		
PCB-23	ND	24.5		D	PCB-65	ND	4.19		
PCB-24/27	253			D, J	PCB-66/76	10700			
PCB-25	558			D	PCB-67	1570			
PCB-26	902			D	PCB-68	39.2			
PCB-28	5960			D	PCB-73	ND	2.96		
PCB-29	ND	25.1		D	PCB-74	5620			
PCB-30	ND	23.7		D	PCB-77	852			
PCB-31	4510			D	PCB-78	23.8			
PCB-34	ND		72.4	D	PCB-79	ND	4.75		
PCB-35	ND		67.3	D	PCB-80	ND	4.58		
PCB-36	ND	26.5		D	PCB-81	60.1			
PCB-37	1300			D	PCB-82	1030			
PCB-38	105			D, J	PCB-83	ND	0.655		
PCB-39	ND		39.9	D	PCB-84/92	5420			
PCB-40	940				PCB-85/116	1430			
PCB-41/64/71/72	6030				PCB-86	57.4			
PCB-42/59	2630				PCB-87/117/125	2760			
PCB-43/49	8390				PCB-88/91	7090			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-01
Project:	Gasco PDI	Sample Size:	10.2 g	QC Batch:	B9J0053
Date Collected:	23-Sep-2019 17:05	% Solids:	53.4	Date Analyzed :	04-Nov-19 18:18 Column: ZB-1
					29-Oct-19 01:47 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	176				PCB-137	282			
PCB-90/101	13700				PCB-138/163/164	12600			
PCB-93	ND	3.36			PCB-139/149	16100			
PCB-94	122				PCB-140	157			
PCB-95/98/102	9060				PCB-141	2810			
PCB-96	101				PCB-142	8.93			
PCB-97	3100				PCB-144	812			
PCB-99	5090				PCB-145	4.77			
PCB-100	ND		62.9		PCB-146/165	2550			
PCB-103	467				PCB-147	ND		188	
PCB-104	2.49			J	PCB-148	ND	0.944		
PCB-105	2340				PCB-150	26.6			
PCB-106/118	7610				PCB-151	5220			
PCB-107/109	607				PCB-152	9.62			
PCB-108/112	485				PCB-153	14100			
PCB-110	9760				PCB-154	431			
PCB-111/115	115				PCB-155	ND	0.749		
PCB-113	37.9				PCB-156	993			
PCB-114	161				PCB-157	129			
PCB-119	385				PCB-158/160	918			
PCB-120	ND	0.603			PCB-159	282			
PCB-121	ND	2.04			PCB-166	26.5			
PCB-122	84.9				PCB-167	361			
PCB-123	95.3				PCB-168	23.9			
PCB-124	271				PCB-169	ND	4.03		
PCB-126	36.0				PCB-170	5040			
PCB-127	ND	2.70			PCB-171	1630			
PCB-128/162	1320				PCB-172	880			
PCB-129	220				PCB-173	111			
PCB-130	898				PCB-174	4800			
PCB-131/133	380				PCB-175	154			
PCB-132/161	3500				PCB-176	903			
PCB-134/143	598				PCB-177	3550			
PCB-135	2950				PCB-178	788			
PCB-136	2660				PCB-179	2980			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-01
Project:	Gasco PDI	Sample Size:	10.2 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 17:05	% Solids:	53.4	QC Batch:	B9J0053
				Date Analyzed :	04-Nov-19 18:18 Column: ZB-1
					29-Oct-19 01:47 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	12800				Total octaCB	11000			
PCB-181	30.2				Total nonaCB	1530			
PCB-182/187	7970				DecaCB	1150			
PCB-183	3470				Total PCB	319000			
PCB-184	ND		3.25						
PCB-185	718								
PCB-186	ND		3.19						
PCB-188	ND		5.47						
PCB-189	166								
PCB-190	960								
PCB-191	176								
PCB-192	ND	2.66							
PCB-193	649								
PCB-194	2730								
PCB-195	1360								
PCB-196/203	2650								
PCB-197	130								
PCB-198	129								
PCB-199	2460								
PCB-200	395								
PCB-201	453								
PCB-202	556								
PCB-204	ND		4.77						
PCB-205	104								
PCB-206	1080								
PCB-207	170								
PCB-208	277								
PCB-209	1150								
Total monoCB	111		354						
Total diCB	1180		1770						
Total triCB	23800		24300						
Total tetraCB	90700		90800						
Total pentaCB	71600		71700						
Total hexaCB	70300		70500						
Total heptaCB	47800								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-01
Project:	Gasco PDI	Sample Size:	1.88 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 17:05	% Solids:	53.4	QC Batch:	B9J0219
				Date Analyzed :	04-Nov-19 18:18 Column: ZB-1
					29-Oct-19 01:47 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	77.6	5 -145	D	13C-PCB-170	69.0	10 -145	
13C-PCB-3	78.1	5 -145	D	13C-PCB-180	72.0	10 -145	
13C-PCB-4	95.9	5 -145	D	13C-PCB-188	74.1	10 -145	
13C-PCB-11	106	5 -145	D	13C-PCB-189	58.3	10 -145	
13C-PCB-9	101	5 -145	D	13C-PCB-194	105	10 -145	
13C-PCB-19	71.3	5 -145	D	13C-PCB-202	67.5	10 -145	
13C-PCB-28	91.4	5 -145	D	13C-PCB-206	87.7	10 -145	
13C-PCB-32	74.5	5 -145	D	13C-PCB-208	111	10 -145	
13C-PCB-37	84.3	5 -145	D	13C-PCB-209	59.0	10 -145	
13C-PCB-47	78.2	5 -145		CRS 13C-PCB-79	91.4	10 -145	
13C-PCB-52	79.4	5 -145		13C-PCB-178	51.1	10 -145	
13C-PCB-54	59.0	5 -145					
13C-PCB-70	17.5	5 -145					
13C-PCB-77	95.9	10 -145					
13C-PCB-80	30.6	10 -145					
13C-PCB-81	90.4	10 -145					
13C-PCB-95	18.7	10 -145					
13C-PCB-97	98.5	10 -145					
13C-PCB-101	88.1	10 -145					
13C-PCB-104	48.2	10 -145					
13C-PCB-105	73.4	10 -145					
13C-PCB-114	74.8	10 -145					
13C-PCB-118	86.0	10 -145					
13C-PCB-123	109	10 -145					
13C-PCB-126	58.5	10 -145					
13C-PCB-127	77.2	10 -145					
13C-PCB-138	80.1	10 -145					
13C-PCB-141	86.8	10 -145					
13C-PCB-153	84.3	10 -145					
13C-PCB-155	62.6	10 -145					
13C-PCB-156	76.4	10 -145					
13C-PCB-157	77.8	10 -145					
13C-PCB-159	84.1	10 -145					
13C-PCB-167	74.4	10 -145					
13C-PCB-169	60.0	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-1014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-02	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	1.74 g	QC Batch:	B9J0219	Date Extracted:	21-Oct-2019 8:15
Date Collected:	23-Sep-2019 0:00	% Solids:	55.4	Date Analyzed :	11-Oct-19 08:18	Column:	ZB-1
					29-Oct-19 06:01	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		88.3	D	PCB-44	7980			
PCB-2	ND		57.3	D	PCB-45	1190			
PCB-3	ND		115	D	PCB-46	352			
PCB-4/10	ND	59.9		D	PCB-47	3140			
PCB-5/8	1020			D, J	PCB-48/75	1770			
PCB-6	262			D, J	PCB-50	27.1			
PCB-7/9	ND	47.4		D	PCB-51	ND	477		
PCB-11	ND	56.6		D	PCB-52/69	8690			
PCB-12/13	ND	59.8		D	PCB-53	999			
PCB-14	ND	60.0		D	PCB-54	14.8			
PCB-15	788			D	PCB-55	64.5			
PCB-16/32	2400			D	PCB-56/60	5440			
PCB-17	2060			D	PCB-57	ND	858		
PCB-18	1880			D	PCB-58	ND	808		
PCB-19	240			D, J	PCB-61/70	10600			
PCB-20/21/33	2780			D	PCB-62	ND	540		
PCB-22	1540			D	PCB-63	ND	935		
PCB-23	ND	27.4		D	PCB-65	ND	519		
PCB-24/27	203			D, J	PCB-66/76	8540			
PCB-25	528			D	PCB-67	1070			
PCB-26	1100			D	PCB-68	63.6			
PCB-28	6320			D	PCB-73	ND	378		
PCB-29	ND	28.0		D	PCB-74	5210			
PCB-30	ND	29.5		D	PCB-77	770			
PCB-31	5010			D	PCB-78	21.5			
PCB-34	107			D, J	PCB-79	99.8			
PCB-35	109			D, J	PCB-80	ND	293		
PCB-36	ND	27.6		D	PCB-81	66.1			
PCB-37	1320			D	PCB-82	1100			
PCB-38	96.6			D, J	PCB-83	ND		2.53	
PCB-39	ND	29.9		D	PCB-84/92	4810			
PCB-40	1570				PCB-85/116	1340			
PCB-41/64/71/72	7050				PCB-86	ND		42.8	
PCB-42/59	2930				PCB-87/117/125	2630			
PCB-43/49	7540				PCB-88/91	1960			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-1014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-02
Project:	Gasco PDI	Sample Size:	10.1 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 0:00	% Solids:	55.4	QC Batch:	B9J0053
				Date Analyzed:	11-Oct-19 08:18 Column: ZB-1
					29-Oct-19 06:01 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	170				PCB-137	282			
PCB-90/101	11300				PCB-138/163/164	11000			
PCB-93	ND	0.932			PCB-139/149	11200			
PCB-94	ND	1.01			PCB-140	131			
PCB-95/98/102	8670				PCB-141	2500			
PCB-96	95.0				PCB-142	12.8			
PCB-97	2860				PCB-144	644			
PCB-99	4520				PCB-145	ND		3.32	
PCB-100	60.0				PCB-146/165	2410			
PCB-103	240				PCB-147	150			
PCB-104	ND	0.817			PCB-148	33.6			
PCB-105	2020				PCB-150	21.2			
PCB-106/118	7060				PCB-151	4080			
PCB-107/109	651				PCB-152	7.14			
PCB-108/112	469				PCB-153	12400			
PCB-110	9140				PCB-154	331			
PCB-111/115	101				PCB-155	ND	0.577		
PCB-113	ND	0.638			PCB-156	874			
PCB-114	144				PCB-157	124			
PCB-119	373				PCB-158/160	964			
PCB-120	77.0				PCB-159	192			
PCB-121	ND	0.566			PCB-166	27.1			
PCB-122	77.6				PCB-167	308			
PCB-123	94.6				PCB-168	ND		16.7	
PCB-124	234				PCB-169	ND	2.15		
PCB-126	28.3				PCB-170	4400			
PCB-127	ND	1.36			PCB-171	1260			
PCB-128/162	1170				PCB-172	727			
PCB-129	286				PCB-173	98.1			
PCB-130	817				PCB-174	5350			
PCB-131/133	349				PCB-175	203			
PCB-132/161	3140				PCB-176	703			
PCB-134/143	579				PCB-177	2880			
PCB-135	1760				PCB-178	1040			
PCB-136	2060				PCB-179	2330			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-1014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-02
Project:	Gasco PDI	Sample Size:	10.1 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 0:00	% Solids:	55.4	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 08:18 Column: ZB-1
					29-Oct-19 06:01 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	11100				Total octaCB	10300		10400	
PCB-181	71.3				Total nonaCB	1320			
PCB-182/187	6250				DecaCB	1020			
PCB-183	2800				Total PCB	275000			
PCB-184	ND		3.28						
PCB-185	565								
PCB-186	ND		4.20						
PCB-188	ND		4.84						
PCB-189	155								
PCB-190	857								
PCB-191	166								
PCB-192	ND	1.20							
PCB-193	529								
PCB-194	2330								
PCB-195	1020								
PCB-196/203	2860								
PCB-197	113								
PCB-198	ND		101						
PCB-199	2680								
PCB-200	349								
PCB-201	387								
PCB-202	440								
PCB-204	5.73								
PCB-205	101								
PCB-206	942								
PCB-207	151								
PCB-208	230								
PCB-209	1020								
Total monoCB	ND		261						
Total diCB	2070								
Total triCB	25700								
Total tetraCB	75200								
Total pentaCB	60200		60300						
Total hexaCB	57900								
Total heptaCB	41500								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-1014SG-00-0.78-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-02
Project:	Gasco PDI	Sample Size:	1.74 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 0:00	% Solids:	55.4	QC Batch:	B9J0219
				Date Analyzed :	11-Oct-19 08:18 Column: ZB-1
					29-Oct-19 06:01 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	74.7	5 -145	D	13C-PCB-170	81.6	10 -145	
13C-PCB-3	77.6	5 -145	D	13C-PCB-180	84.0	10 -145	
13C-PCB-4	87.9	5 -145	D	13C-PCB-188	78.6	10 -145	
13C-PCB-11	99.6	5 -145	D	13C-PCB-189	72.6	10 -145	
13C-PCB-9	92.2	5 -145	D	13C-PCB-194	94.8	10 -145	
13C-PCB-19	62.7	5 -145	D	13C-PCB-202	67.0	10 -145	
13C-PCB-28	95.5	5 -145	D	13C-PCB-206	78.9	10 -145	
13C-PCB-32	68.7	5 -145	D	13C-PCB-208	92.8	10 -145	
13C-PCB-37	94.3	5 -145	D	13C-PCB-209	63.4	10 -145	
13C-PCB-47	73.6	5 -145		CRS 13C-PCB-79	76.6	10 -145	
13C-PCB-52	73.9	5 -145		13C-PCB-178	64.1	10 -145	
13C-PCB-54	63.5	5 -145					
13C-PCB-70	24.0	5 -145					
13C-PCB-77	82.4	10 -145					
13C-PCB-80	75.0	10 -145					
13C-PCB-81	81.8	10 -145					
13C-PCB-95	61.4	10 -145					
13C-PCB-97	84.4	10 -145					
13C-PCB-101	85.1	10 -145					
13C-PCB-104	73.4	10 -145					
13C-PCB-105	88.1	10 -145					
13C-PCB-114	89.5	10 -145					
13C-PCB-118	83.4	10 -145					
13C-PCB-123	85.8	10 -145					
13C-PCB-126	82.5	10 -145					
13C-PCB-127	88.9	10 -145					
13C-PCB-138	81.1	10 -145					
13C-PCB-141	82.7	10 -145					
13C-PCB-153	81.4	10 -145					
13C-PCB-155	60.9	10 -145					
13C-PCB-156	80.1	10 -145					
13C-PCB-157	80.3	10 -145					
13C-PCB-159	81.7	10 -145					
13C-PCB-167	81.7	10 -145					
13C-PCB-169	74.2	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-015SG-00-0.87-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-03
Project:	Gasco PDI	Sample Size:	1.55 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 11:19	% Solids:	62.7	QC Batch:	B9J0219
				Date Analyzed :	11-Oct-19 09:20 Column: ZB-1
					29-Oct-19 07:03 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	27.7		D	PCB-44	597			
PCB-2	ND	27.2		D	PCB-45	97.8			
PCB-3	ND	27.3		D	PCB-46	44.1			
PCB-4/10	ND	93.8		D	PCB-47	226			
PCB-5/8	ND	72.8		D	PCB-48/75	114			
PCB-6	ND	72.4		D	PCB-50	ND		1.81	
PCB-7/9	ND	75.5		D	PCB-51	20.8			
PCB-11	ND	78.1		D	PCB-52/69	792			
PCB-12/13	ND	82.5		D	PCB-53	90.5			
PCB-14	ND	82.9		D	PCB-54	ND		2.91	
PCB-15	ND	83.2		D	PCB-55	7.83			
PCB-16/32	ND		182	D	PCB-56/60	452			
PCB-17	175			D, J	PCB-57	ND		6.91	
PCB-18	310			D, J	PCB-58	ND		35.9	
PCB-19	ND	55.1		D	PCB-61/70	830			
PCB-20/21/33	228			D, J	PCB-62	ND	1.03		
PCB-22	122			D, J	PCB-63	8.84			
PCB-23	ND	29.3		D	PCB-65	ND	0.992		
PCB-24/27	ND	39.3		D	PCB-66/76	1330			
PCB-25	ND	29.2		D	PCB-67	4.95			
PCB-26	78.7			D, J	PCB-68	4.22			J
PCB-28	497			D, J	PCB-73	ND	0.789		
PCB-29	ND	29.9		D	PCB-74	430			
PCB-30	ND	34.7		D	PCB-77	62.1			
PCB-31	316			D, J	PCB-78	1.91			J
PCB-34	ND	28.9		D	PCB-79	ND		7.87	
PCB-35	ND	32.2		D	PCB-80	ND	0.654		
PCB-36	ND	31.0		D	PCB-81	ND		6.11	
PCB-37	ND		102	D	PCB-82	109			
PCB-38	ND	32.3		D	PCB-83	ND	0.500		
PCB-39	ND	33.7		D	PCB-84/92	465			
PCB-40	117				PCB-85/116	128			
PCB-41/64/71/72	520				PCB-86	ND		3.81	
PCB-42/59	ND	1.15			PCB-87/117/125	316			
PCB-43/49	560				PCB-88/91	129			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-015SG-00-0.87-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-03
Project:	Gasco PDI	Sample Size:	9.43 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 11:19	% Solids:	62.7	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 09:20 Column: ZB-1
					29-Oct-19 07:03 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	14.7				PCB-137	ND		31.4	
PCB-90/101	1460				PCB-138/163/164	1910			
PCB-93	ND	0.795			PCB-139/149	1860			
PCB-94	ND	0.864			PCB-140	8.48			
PCB-95/98/102	895				PCB-141	489			
PCB-96	ND		6.96		PCB-142	ND	1.75		
PCB-97	252				PCB-144	128			
PCB-99	381				PCB-145	ND	0.642		
PCB-100	7.22				PCB-146/165	281			
PCB-103	ND		14.3		PCB-147	ND		16.5	
PCB-104	ND	0.732			PCB-148	2.27			J
PCB-105	281				PCB-150	ND		2.05	
PCB-106/118	781				PCB-151	686			
PCB-107/109	53.3				PCB-152	ND		1.54	
PCB-108/112	36.7				PCB-153	2170			
PCB-110	947				PCB-154	21.6			
PCB-111/115	12.8				PCB-155	ND	0.735		
PCB-113	ND	0.591			PCB-156	151			
PCB-114	17.2				PCB-157	ND		16.9	
PCB-119	ND		22.4		PCB-158/160	191			
PCB-120	ND		6.16		PCB-159	32.4			
PCB-121	ND	0.482			PCB-166	2.96			J
PCB-122	9.14				PCB-167	54.1			
PCB-123	12.4				PCB-168	ND	1.22		
PCB-124	36.2				PCB-169	ND	1.32		
PCB-126	ND		3.79		PCB-170	778			
PCB-127	ND	1.17			PCB-171	247			
PCB-128/162	178				PCB-172	126			
PCB-129	46.3				PCB-173	18.0			
PCB-130	90.1				PCB-174	956			
PCB-131/133	42.9				PCB-175	34.6			
PCB-132/161	474				PCB-176	118			
PCB-134/143	84.8				PCB-177	500			
PCB-135	269				PCB-178	157			
PCB-136	347				PCB-179	386			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-015SG-00-0.87-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-03	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	9.43 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 11:19	% Solids:	62.7	Date Analyzed :	11-Oct-19 09:20	Column:	ZB-1
					29-Oct-19 07:03	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	2040				Total octaCB	1620		1660	
PCB-181	ND	1.24			Total nonaCB	200			
PCB-182/187	962				DecaCB	141			
PCB-183	484				Total PCB	33100			
PCB-184	ND	0.918							
PCB-185	112								
PCB-186	ND	0.879							
PCB-188	ND	0.898							
PCB-189	ND		23.7						
PCB-190	160								
PCB-191	34.0								
PCB-192	ND	1.03							
PCB-193	93.0								
PCB-194	378								
PCB-195	163								
PCB-196/203	461								
PCB-197	20.1								
PCB-198	ND		18.3						
PCB-199	409								
PCB-200	60.6								
PCB-201	59.0								
PCB-202	72.8								
PCB-204	ND	2.01							
PCB-205	ND		15.6						
PCB-206	143								
PCB-207	19.1								
PCB-208	38.6								
PCB-209	141								
Total monoCB	ND	27.7							
Total diCB	ND	93.8							
Total triCB	1730		2010						
Total tetraCB	6310		6370						
Total pentaCB	6340		6400						
Total hexaCB	9510		9580						
Total heptaCB	7200		7230						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-015SG-00-0.87-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-03
Project:	Gasco PDI	Sample Size:	1.55 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 11:19	% Solids:	62.7	QC Batch:	B9J0219
				Date Analyzed :	11-Oct-19 09:20 Column: ZB-1
					29-Oct-19 07:03 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	43.0	5 -145	D	13C-PCB-170	92.6	10 -145	
13C-PCB-3	45.6	5 -145	D	13C-PCB-180	90.2	10 -145	
13C-PCB-4	52.7	5 -145	D	13C-PCB-188	93.0	10 -145	
13C-PCB-11	61.7	5 -145	D	13C-PCB-189	82.9	10 -145	
13C-PCB-9	57.8	5 -145	D	13C-PCB-194	100	10 -145	
13C-PCB-19	38.0	5 -145	D	13C-PCB-202	71.2	10 -145	
13C-PCB-28	66.6	5 -145	D	13C-PCB-206	85.3	10 -145	
13C-PCB-32	40.3	5 -145	D	13C-PCB-208	95.8	10 -145	
13C-PCB-37	63.2	5 -145	D	13C-PCB-209	69.6	10 -145	
13C-PCB-47	88.2	5 -145		CRS 13C-PCB-79	83.9	10 -145	
13C-PCB-52	85.2	5 -145		13C-PCB-178	68.0	10 -145	
13C-PCB-54	77.7	5 -145					
13C-PCB-70	43.0	5 -145					
13C-PCB-77	94.5	10 -145					
13C-PCB-80	89.1	10 -145					
13C-PCB-81	92.8	10 -145					
13C-PCB-95	94.0	10 -145					
13C-PCB-97	99.2	10 -145					
13C-PCB-101	91.5	10 -145					
13C-PCB-104	85.5	10 -145					
13C-PCB-105	101	10 -145					
13C-PCB-114	105	10 -145					
13C-PCB-118	90.6	10 -145					
13C-PCB-123	97.1	10 -145					
13C-PCB-126	98.7	10 -145					
13C-PCB-127	99.2	10 -145					
13C-PCB-138	89.1	10 -145					
13C-PCB-141	94.4	10 -145					
13C-PCB-153	91.6	10 -145					
13C-PCB-155	67.8	10 -145					
13C-PCB-156	88.8	10 -145					
13C-PCB-157	90.0	10 -145					
13C-PCB-159	89.4	10 -145					
13C-PCB-167	90.6	10 -145					
13C-PCB-169	82.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-022SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-04	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	9.44 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 13:00	% Solids:	59.0	Date Analyzed :	11-Oct-19 10:22	Column:	ZB-1
				13-Oct-19 01:11			
				Column: ZB-1			

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	64.7			D, J	PCB-44	246			
PCB-2	10.3			D, J	PCB-45	40.1			
PCB-3	ND		21.8	D	PCB-46	16.9			
PCB-4/10	ND	20.8		D	PCB-47	109			
PCB-5/8	165			D	PCB-48/75	51.7			
PCB-6	ND	16.0		D	PCB-50	1.35			J
PCB-7/9	ND	16.7		D	PCB-51	18.7			
PCB-11	ND	15.1		D	PCB-52/69	307			
PCB-12/13	ND	15.9		D	PCB-53	43.3			
PCB-14	ND	16.0		D	PCB-54	2.90			J
PCB-15	ND		64.1	D	PCB-55	2.87			J
PCB-16/32	58.5			D, J	PCB-56/60	142			
PCB-17	ND		44.0	D	PCB-57	1.44			J
PCB-18	97.1			D	PCB-58	1.54			J
PCB-19	ND		15.7	D	PCB-61/70	307			
PCB-20/21/33	79.5			D, J	PCB-62	ND	0.393		
PCB-22	42.1			D, J	PCB-63	10.6			
PCB-23	ND	4.10		D	PCB-65	ND	0.378		
PCB-24/27	ND	3.32		D	PCB-66/76	243			
PCB-25	ND		14.9	D	PCB-67	ND		6.66	
PCB-26	ND		25.4	D	PCB-68	ND		3.61	
PCB-28	190			D	PCB-73	0.846			J
PCB-29	ND	4.19		D	PCB-74	107			
PCB-30	ND	3.12		D	PCB-77	20.7			
PCB-31	137			D	PCB-78	ND	0.300		
PCB-34	ND	4.05		D	PCB-79	4.18			J
PCB-35	ND	3.69		D	PCB-80	ND	0.291		
PCB-36	ND	3.55		D	PCB-81	ND		2.09	
PCB-37	52.9			D, J	PCB-82	ND		29.7	
PCB-38	ND	3.70		D	PCB-83	ND	0.341		
PCB-39	ND	3.85		D	PCB-84/92	165			
PCB-40	53.5				PCB-85/116	44.0			
PCB-41/64/71/72	217				PCB-86	ND	0.531		
PCB-42/59	86.0				PCB-87/117/125	99.4			
PCB-43/49	242				PCB-88/91	68.2			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-022SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-04
Project:	Gasco PDI	Sample Size:	9.44 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 13:00	% Solids:	59.0	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 10:22 Column: ZB-1
					13-Oct-19 01:11 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		3.64		PCB-137	12.3			
PCB-90/101	405				PCB-138/163/164	374			
PCB-93	ND	0.569			PCB-139/149	396			
PCB-94	ND		2.80		PCB-140	ND		2.71	
PCB-95/98/102	274				PCB-141	75.0			
PCB-96	4.61				PCB-142	ND	0.613		
PCB-97	90.9				PCB-144	17.9			
PCB-99	168				PCB-145	ND	0.385		
PCB-100	7.51				PCB-146/165	77.7			
PCB-103	ND		9.69		PCB-147	11.0			
PCB-104	0.642			J	PCB-148	ND		1.10	
PCB-105	76.9				PCB-150	3.15			J
PCB-106/118	249				PCB-151	139			
PCB-107/109	20.2				PCB-152	ND		0.398	
PCB-108/112	12.6				PCB-153	396			
PCB-110	344				PCB-154	ND		12.5	
PCB-111/115	ND		2.48		PCB-155	ND	0.440		
PCB-113	ND		1.12		PCB-156	29.4			
PCB-114	4.49				PCB-157	ND		4.71	
PCB-119	15.0				PCB-158/160	35.2			
PCB-120	1.79			J	PCB-159	ND	0.444		
PCB-121	ND	0.345			PCB-166	ND	0.465		
PCB-122	ND		2.72		PCB-167	11.5			
PCB-123	3.98			J	PCB-168	ND	0.426		
PCB-124	11.5				PCB-169	ND	0.527		
PCB-126	ND	0.399			PCB-170	103			
PCB-127	ND	0.382			PCB-171	34.2			
PCB-128/162	48.6				PCB-172	18.4			
PCB-129	13.0				PCB-173	ND		2.13	
PCB-130	26.1				PCB-174	138			
PCB-131/133	12.8				PCB-175	ND		4.13	
PCB-132/161	102				PCB-176	18.1			
PCB-134/143	20.7				PCB-177	75.7			
PCB-135	61.7				PCB-178	28.7			
PCB-136	78.4				PCB-179	62.2			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

See individual congeners for qualifiers.

Sample ID: PDI-022SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-04
Project:	Gasco PDI	Sample Size:	9.44 g	QC Batch:	B9J0053
Date Collected:	24-Sep-2019 13:00	% Solids:	59.0	Date Received:	26-Sep-2019 9:45
				Date Analyzed:	11-Oct-19 10:22 Column: ZB-1
					13-Oct-19 01:11 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	253				Total octaCB	185		197	
PCB-181	ND	0.490			Total nonaCB	30.6		38.2	
PCB-182/187	151				DecaCB	29.1			
PCB-183	65.4				Total PCB	8400			
PCB-184	ND	0.356							
PCB-185	15.1								
PCB-186	ND	0.341							
PCB-188	ND	0.349							
PCB-189	ND		3.84						
PCB-190	ND		23.8						
PCB-191	ND		4.53						
PCB-192	ND	0.407							
PCB-193	14.8								
PCB-194	43.9								
PCB-195	21.0								
PCB-196/203	48.3								
PCB-197	ND		3.30						
PCB-198	ND	1.39							
PCB-199	49.5								
PCB-200	8.05								
PCB-201	ND		7.89						
PCB-202	12.1								
PCB-204	ND	1.06							
PCB-205	2.51			J					
PCB-206	26.3								
PCB-207	4.29			J					
PCB-208	ND		7.65						
PCB-209	29.1								
Total monoCB	75.0		96.8						
Total diCB	165		229						
Total triCB	656		757						
Total tetraCB	2280		2290						
Total pentaCB	2070		2120						
Total hexaCB	1940		1960						
Total heptaCB	977		1020						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-022SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-04
Project:	Gasco PDI	Sample Size:	9.44 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 13:00	% Solids:	59.0	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 10:22 Column: ZB-1
					13-Oct-19 01:11 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	71.6	5 -145	D	13C-PCB-170	95.2	10 -145	
13C-PCB-3	79.9	5 -145	D	13C-PCB-180	94.8	10 -145	
13C-PCB-4	79.6	5 -145	D	13C-PCB-188	102	10 -145	
13C-PCB-11	93.7	5 -145	D	13C-PCB-189	72.0	10 -145	
13C-PCB-9	86.1	5 -145	D	13C-PCB-194	112	10 -145	
13C-PCB-19	96.3	5 -145	D	13C-PCB-202	69.5	10 -145	
13C-PCB-28	108	5 -145	D	13C-PCB-206	88.5	10 -145	
13C-PCB-32	107	5 -145	D	13C-PCB-208	103	10 -145	
13C-PCB-37	115	5 -145	D	13C-PCB-209	70.0	10 -145	
13C-PCB-47	89.2	5 -145		CRS 13C-PCB-79	99.4	10 -145	
13C-PCB-52	87.9	5 -145		13C-PCB-178	81.0	10 -145	
13C-PCB-54	82.0	5 -145					
13C-PCB-70	95.2	5 -145					
13C-PCB-77	105	10 -145					
13C-PCB-80	95.8	10 -145					
13C-PCB-81	106	10 -145					
13C-PCB-95	91.0	10 -145					
13C-PCB-97	99.2	10 -145					
13C-PCB-101	93.2	10 -145					
13C-PCB-104	88.5	10 -145					
13C-PCB-105	115	10 -145					
13C-PCB-114	119	10 -145					
13C-PCB-118	97.5	10 -145					
13C-PCB-123	102	10 -145					
13C-PCB-126	113	10 -145					
13C-PCB-127	116	10 -145					
13C-PCB-138	105	10 -145					
13C-PCB-141	105	10 -145					
13C-PCB-153	105	10 -145					
13C-PCB-155	65.5	10 -145					
13C-PCB-156	95.0	10 -145					
13C-PCB-157	93.2	10 -145					
13C-PCB-159	96.2	10 -145					
13C-PCB-167	99.6	10 -145					
13C-PCB-169	87.5	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-101SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-05	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	15.7 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	23-Sep-2019 13:35	% Solids:	37.2	Date Analyzed :	11-Oct-19 11:24	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	10.1				PCB-44	210			
PCB-2	13.3				PCB-45	27.5			
PCB-3	9.42				PCB-46	13.1			
PCB-4/10	19.3				PCB-47	120			
PCB-5/8	38.0				PCB-48/75	37.8			
PCB-6	8.77				PCB-50	1.46			J
PCB-7/9	3.79			J	PCB-51	21.5			
PCB-11	58.3				PCB-52/69	297			
PCB-12/13	7.86			J	PCB-53	41.6			
PCB-14	ND	0.570			PCB-54	5.28			
PCB-15	41.2				PCB-55	3.49			J
PCB-16/32	57.0				PCB-56/60	152			
PCB-17	45.2				PCB-57	1.43			J
PCB-18	74.1				PCB-58	ND		1.36	
PCB-19	25.6				PCB-61/70	321			
PCB-20/21/33	66.0				PCB-62	ND	0.345		
PCB-22	39.8				PCB-63	10.9			
PCB-23	ND	0.374			PCB-65	ND	0.332		
PCB-24/27	8.18			J	PCB-66/76	249			
PCB-25	16.2				PCB-67	6.65			
PCB-26	25.0				PCB-68	ND		2.30	
PCB-28	143				PCB-73	ND		0.678	
PCB-29	ND		0.696		PCB-74	92.4			
PCB-30	ND	0.255			PCB-77	31.1			
PCB-31	111				PCB-78	1.32			J
PCB-34	1.81			J	PCB-79	ND		4.73	
PCB-35	3.14			J	PCB-80	ND	0.264		
PCB-36	ND	0.344			PCB-81	ND		3.27	
PCB-37	46.8				PCB-82	54.4			
PCB-38	2.67			J	PCB-83	ND	0.338		
PCB-39	ND	0.373			PCB-84/92	231			
PCB-40	36.8				PCB-85/116	73.7			
PCB-41/64/71/72	165				PCB-86	ND	0.525		
PCB-42/59	65.3				PCB-87/117/125	149			
PCB-43/49	228				PCB-88/91	82.2			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-101SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-05	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	15.7 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	23-Sep-2019 13:35	% Solids:	37.2	Date Analyzed :	11-Oct-19 11:24	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		4.13		PCB-137	20.2			
PCB-90/101	606				PCB-138/163/164	672			
PCB-93	ND	0.549			PCB-139/149	606			
PCB-94	ND		3.72		PCB-140	8.27			
PCB-95/98/102	381				PCB-141	134			
PCB-96	5.08				PCB-142	ND	1.23		
PCB-97	133				PCB-144	ND		24.8	
PCB-99	238				PCB-145	ND	0.390		
PCB-100	11.0				PCB-146/165	131			
PCB-103	13.1				PCB-147	17.3			
PCB-104	ND	0.412			PCB-148	2.97			J
PCB-105	147				PCB-150	2.21			J
PCB-106/118	440				PCB-151	207			
PCB-107/109	34.1				PCB-152	0.756			J
PCB-108/112	20.2				PCB-153	706			
PCB-110	549				PCB-154	19.9			
PCB-111/115	ND		5.55		PCB-155	ND	0.446		
PCB-113	ND		0.296		PCB-156	59.5			
PCB-114	8.82				PCB-157	11.9			
PCB-119	18.2				PCB-158/160	65.9			
PCB-120	ND		2.84		PCB-159	9.20			
PCB-121	ND	0.333			PCB-166	2.15			J
PCB-122	5.06				PCB-167	23.7			
PCB-123	6.55				PCB-168	1.83			J
PCB-124	18.3				PCB-169	ND	1.01		
PCB-126	3.37			J	PCB-170	201			
PCB-127	ND	0.440			PCB-171	63.3			
PCB-128/162	86.2				PCB-172	34.9			
PCB-129	21.1				PCB-173	4.36			
PCB-130	41.1				PCB-174	228			
PCB-131/133	23.2				PCB-175	9.68			
PCB-132/161	161				PCB-176	30.0			
PCB-134/143	32.6				PCB-177	139			
PCB-135	99.0				PCB-178	52.7			
PCB-136	112				PCB-179	106			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-101SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-05
Project:	Gasco PDI	Sample Size:	15.7 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 13:35	% Solids:	37.2	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 11:24 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	487				Total octaCB	395		400	
PCB-181	6.94				Total nonaCB	103			
PCB-182/187	292				DecaCB	104			
PCB-183	122				Total PCB	12000			
PCB-184	0.786			J					
PCB-185	24.2								
PCB-186	ND	0.349							
PCB-188	0.850			J					
PCB-189	7.18								
PCB-190	39.1								
PCB-191	ND		6.57						
PCB-192	ND	0.377							
PCB-193	25.0								
PCB-194	86.2								
PCB-195	38.1								
PCB-196/203	102								
PCB-197	ND		4.71						
PCB-198	4.52								
PCB-199	100								
PCB-200	16.0								
PCB-201	17.6								
PCB-202	25.5								
PCB-204	0.936			J					
PCB-205	4.40								
PCB-206	69.9								
PCB-207	10.8								
PCB-208	22.4								
PCB-209	104								
Total monoCB	32.9								
Total diCB	177								
Total triCB	665		666						
Total tetraCB	2140		2150						
Total pentaCB	3230		3240						
Total hexaCB	3280		3300						
Total heptaCB	1880								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-101SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-05
Project:	Gasco PDI	Sample Size:	15.7 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 13:35	% Solids:	37.2	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 11:24 Column: ZB-1
Date Received:				Date Extracted:	07-Oct-2019 11:35

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	57.4	5 -145		13C-PCB-170	76.5	10 -145	
13C-PCB-3	61.1	5 -145		13C-PCB-180	83.3	10 -145	
13C-PCB-4	72.9	5 -145		13C-PCB-188	79.6	10 -145	
13C-PCB-11	69.8	5 -145		13C-PCB-189	61.3	10 -145	
13C-PCB-9	78.0	5 -145		13C-PCB-194	90.3	10 -145	
13C-PCB-19	61.0	5 -145		13C-PCB-202	59.5	10 -145	
13C-PCB-28	81.9	5 -145		13C-PCB-206	71.8	10 -145	
13C-PCB-32	67.4	5 -145		13C-PCB-208	84.9	10 -145	
13C-PCB-37	82.6	5 -145		13C-PCB-209	54.6	10 -145	
13C-PCB-47	73.8	5 -145		CRS 13C-PCB-79	81.5	10 -145	
13C-PCB-52	72.7	5 -145		13C-PCB-178	64.6	10 -145	
13C-PCB-54	68.2	5 -145					
13C-PCB-70	79.7	5 -145					
13C-PCB-77	83.6	10 -145					
13C-PCB-80	79.9	10 -145					
13C-PCB-81	84.0	10 -145					
13C-PCB-95	77.2	10 -145					
13C-PCB-97	79.9	10 -145					
13C-PCB-101	78.0	10 -145					
13C-PCB-104	71.3	10 -145					
13C-PCB-105	87.3	10 -145					
13C-PCB-114	90.9	10 -145					
13C-PCB-118	80.1	10 -145					
13C-PCB-123	81.8	10 -145					
13C-PCB-126	87.0	10 -145					
13C-PCB-127	89.8	10 -145					
13C-PCB-138	82.0	10 -145					
13C-PCB-141	81.3	10 -145					
13C-PCB-153	81.0	10 -145					
13C-PCB-155	50.0	10 -145					
13C-PCB-156	80.5	10 -145					
13C-PCB-157	80.4	10 -145					
13C-PCB-159	82.9	10 -145					
13C-PCB-167	82.1	10 -145					
13C-PCB-169	71.6	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-102SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-06	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	16.2 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	23-Sep-2019 15:05	% Solids:	41.2	Date Analyzed :	11-Oct-19 12:27	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	25.9				PCB-44	1730			
PCB-2	16.0				PCB-45	272			
PCB-3	24.3				PCB-46	119			
PCB-4/10	80.4				PCB-47	705			
PCB-5/8	305				PCB-48/75	357			
PCB-6	76.6				PCB-50	ND		6.90	
PCB-7/9	29.5				PCB-51	97.9			
PCB-11	75.4				PCB-52/69	2050			
PCB-12/13	43.3				PCB-53	272			
PCB-14	ND	0.542			PCB-54	7.95			
PCB-15	221				PCB-55	15.0			
PCB-16/32	585				PCB-56/60	1030			
PCB-17	512				PCB-57	9.36			
PCB-18	806				PCB-58	14.6			
PCB-19	81.2				PCB-61/70	2390			
PCB-20/21/33	712				PCB-62	ND	0.498		
PCB-22	376				PCB-63	62.3			
PCB-23	ND	0.424			PCB-65	ND	0.478		
PCB-24/27	64.1				PCB-66/76	1860			
PCB-25	185				PCB-67	52.8			
PCB-26	264				PCB-68	19.4			
PCB-28	1390				PCB-73	4.73			
PCB-29	4.72				PCB-74	782			
PCB-30	ND	0.194			PCB-77	162			
PCB-31	1210				PCB-78	4.70			
PCB-34	20.3				PCB-79	30.0			
PCB-35	18.1				PCB-80	ND	0.397		
PCB-36	2.22			J	PCB-81	12.9			
PCB-37	330				PCB-82	236			
PCB-38	13.0				PCB-83	0.573			J
PCB-39	11.0				PCB-84/92	1130			
PCB-40	339				PCB-85/116	310			
PCB-41/64/71/72	1340				PCB-86	ND		4.93	
PCB-42/59	613				PCB-87/117/125	608			
PCB-43/49	1800				PCB-88/91	434			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-102SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-06	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	16.2 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	23-Sep-2019 15:05	% Solids:	41.2	Date Analyzed :	11-Oct-19 12:27 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	28.6				PCB-137	66.3			
PCB-90/101	2660				PCB-138/163/164	2160			
PCB-93	ND	0.632			PCB-139/149	2090			
PCB-94	16.9				PCB-140	21.7			
PCB-95/98/102	1750				PCB-141	410			
PCB-96	25.8				PCB-142	ND	0.792		
PCB-97	674				PCB-144	115			
PCB-99	1110				PCB-145	0.606			J
PCB-100	28.5				PCB-146/165	418			
PCB-103	51.7				PCB-147	51.3			
PCB-104	1.48			J	PCB-148	ND		7.74	
PCB-105	505				PCB-150	10.0			
PCB-106/118	1810				PCB-151	664			
PCB-107/109	148				PCB-152	2.43			J
PCB-108/112	99.8				PCB-153	2270			
PCB-110	2370				PCB-154	69.5			
PCB-111/115	23.1				PCB-155	1.42			J
PCB-113	12.1				PCB-156	188			
PCB-114	31.1				PCB-157	34.3			
PCB-119	92.5				PCB-158/160	181			
PCB-120	15.6				PCB-159	30.2			
PCB-121	ND	0.384			PCB-166	6.04			
PCB-122	19.3				PCB-167	72.6			
PCB-123	27.4				PCB-168	ND		4.63	
PCB-124	62.6				PCB-169	ND	0.650		
PCB-126	8.16				PCB-170	698			
PCB-127	ND	0.565			PCB-171	208			
PCB-128/162	286				PCB-172	120			
PCB-129	70.8				PCB-173	15.8			
PCB-130	133				PCB-174	821			
PCB-131/133	72.1				PCB-175	26.2			
PCB-132/161	562				PCB-176	103			
PCB-134/143	115				PCB-177	468			
PCB-135	323				PCB-178	167			
PCB-136	417				PCB-179	355			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-102SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-06
Project:	Gasco PDI	Sample Size:	16.2 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 15:05	% Solids:	41.2	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 12:27 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	1740				Total octaCB	1510			
PCB-181	ND		9.27		Total nonaCB	296			
PCB-182/187	934				DecaCB	368			
PCB-183	403				Total PCB	57400			
PCB-184	1.17			J					
PCB-185	92.7								
PCB-186	ND	0.459							
PCB-188	2.33			J					
PCB-189	24.5								
PCB-190	141								
PCB-191	26.6								
PCB-192	ND	0.575							
PCB-193	88.1								
PCB-194	372								
PCB-195	161								
PCB-196/203	380								
PCB-197	17.1								
PCB-198	15.8								
PCB-199	335								
PCB-200	53.9								
PCB-201	68.7								
PCB-202	84.7								
PCB-204	1.16			J					
PCB-205	16.9								
PCB-206	215								
PCB-207	25.5								
PCB-208	55.3								
PCB-209	368								
Total monoCB	66.2								
Total diCB	831								
Total triCB	6590								
Total tetraCB	16200								
Total pentaCB	14300								
Total hexaCB	10800		10900						
Total heptaCB	6430		6440						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-102SG-00-01-190923

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-06
Project:	Gasco PDI	Sample Size:	16.2 g	Date Received:	26-Sep-2019 9:45
Date Collected:	23-Sep-2019 15:05	% Solids:	41.2	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 12:27 Column: ZB-1
Date Collected:	23-Sep-2019 15:05				

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	53.2	5 -145		13C-PCB-170	69.9	10 -145	
13C-PCB-3	57.7	5 -145		13C-PCB-180	76.0	10 -145	
13C-PCB-4	68.2	5 -145		13C-PCB-188	82.3	10 -145	
13C-PCB-11	69.5	5 -145		13C-PCB-189	58.9	10 -145	
13C-PCB-9	74.4	5 -145		13C-PCB-194	86.2	10 -145	
13C-PCB-19	58.7	5 -145		13C-PCB-202	56.7	10 -145	
13C-PCB-28	75.0	5 -145		13C-PCB-206	69.1	10 -145	
13C-PCB-32	62.1	5 -145		13C-PCB-208	81.3	10 -145	
13C-PCB-37	77.7	5 -145		13C-PCB-209	53.7	10 -145	
13C-PCB-47	73.6	5 -145		CRS 13C-PCB-79	76.7	10 -145	
13C-PCB-52	70.9	5 -145		13C-PCB-178	62.6	10 -145	
13C-PCB-54	65.6	5 -145					
13C-PCB-70	77.6	5 -145					
13C-PCB-77	78.2	10 -145					
13C-PCB-80	74.9	10 -145					
13C-PCB-81	78.4	10 -145					
13C-PCB-95	76.9	10 -145					
13C-PCB-97	80.2	10 -145					
13C-PCB-101	77.5	10 -145					
13C-PCB-104	76.3	10 -145					
13C-PCB-105	84.8	10 -145					
13C-PCB-114	89.6	10 -145					
13C-PCB-118	76.4	10 -145					
13C-PCB-123	80.3	10 -145					
13C-PCB-126	84.0	10 -145					
13C-PCB-127	88.5	10 -145					
13C-PCB-138	78.1	10 -145					
13C-PCB-141	80.8	10 -145					
13C-PCB-153	79.5	10 -145					
13C-PCB-155	49.3	10 -145					
13C-PCB-156	73.6	10 -145					
13C-PCB-157	73.1	10 -145					
13C-PCB-159	76.6	10 -145					
13C-PCB-167	75.0	10 -145					
13C-PCB-169	65.8	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923	QC Batch: B9J0053	Lab Sample: B9J0053-DUP1
Source LabNumber: 1903285-06	Date Extracted: 07-Oct-2019 11:35	Date Analyzed: 11-Oct-19 07:16 Column: ZB-1
Matrix: Solid		
Sample Size: 13.4 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	27.0				PCB-42/59	632			
PCB-2	17.5				PCB-43/49	1930			
PCB-3	24.3				PCB-44	1880			
PCB-4/10	89.8				PCB-45	301			
PCB-5/8	336				PCB-46	132			
PCB-6	85.9				PCB-47	737			
PCB-7/9	31.7				PCB-48/75	414			
PCB-11	77.3				PCB-50	8.40			
PCB-12/13	48.9				PCB-51	105			
PCB-14	ND	0.662			PCB-52/69	2230			
PCB-15	238				PCB-53	302			
PCB-16/32	665				PCB-54	8.20			
PCB-17	568				PCB-55	15.3			
PCB-18	828				PCB-56/60	1070			
PCB-19	90.9				PCB-57	10.1			
PCB-20/21/33	894				PCB-58	14.1			
PCB-22	462				PCB-61/70	2570			
PCB-23	0.766			J	PCB-62	ND	0.600		
PCB-24/27	73.9				PCB-63	68.3			
PCB-25	258				PCB-65	ND	0.577		
PCB-26	395				PCB-66/76	2050			
PCB-28	1670				PCB-67	64.5			
PCB-29	6.33				PCB-68	26.9			
PCB-30	0.866			J	PCB-73	4.53			
PCB-31	1620				PCB-74	801			
PCB-34	24.3				PCB-77	174			
PCB-35	23.3				PCB-78	5.63			
PCB-36	ND		2.75		PCB-79	28.1			
PCB-37	397				PCB-80	ND	0.479		
PCB-38	13.0				PCB-81	13.8			
PCB-39	11.1				PCB-82	235			
PCB-40	316				PCB-83	ND		0.319	
PCB-41/64/71/72	1410				PCB-84/92	1170			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.
individual congeners for qualifiers.

The sample size is reported in wet weight. See

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923	QC Batch: B9J0053	Lab Sample: B9J0053-DUP1
Source LabNumber: 1903285-06	Date Extracted: 07-Oct-2019 11:55	Date Analyzed: 11-Oct-19 07:16 Column: ZB-1
Matrix: Solid		
Sample Size: 13.4 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-85/116	287				PCB-130	147			
PCB-86	ND		5.16		PCB-131/133	69.5			
PCB-87/117/125	585				PCB-132/161	576			
PCB-88/91	410				PCB-134/143	115			
PCB-89	27.5				PCB-135	323			
PCB-90/101	2660				PCB-136	400			
PCB-93	ND	0.679			PCB-137	73.8			
PCB-94	14.6				PCB-138/163/164	2170			
PCB-95/98/102	1700				PCB-139/149	2070			
PCB-96	22.7				PCB-140	24.2			
PCB-97	688				PCB-141	430			
PCB-99	1130				PCB-142	ND	1.22		
PCB-100	26.4				PCB-144	99.7			
PCB-103	53.2				PCB-145	ND	0.581		
PCB-104	1.69			J	PCB-146/165	432			
PCB-105	525				PCB-147	50.1			
PCB-106/118	1730				PCB-148	8.09			
PCB-107/109	141				PCB-150	10.5			
PCB-108/112	103				PCB-151	648			
PCB-110	2230				PCB-152	2.47			J
PCB-111/115	23.4				PCB-153	2310			
PCB-113	6.61				PCB-154	72.4			
PCB-114	32.0				PCB-155	1.11			J
PCB-119	92.0				PCB-156	189			
PCB-120	11.0				PCB-157	33.2			
PCB-121	ND	0.412			PCB-158/160	183			
PCB-122	19.4				PCB-159	ND	0.870		
PCB-123	23.1				PCB-166	6.07			
PCB-124	59.0				PCB-167	72.1			
PCB-126	8.83				PCB-168	ND		3.69	
PCB-127	ND	0.714			PCB-169	ND	1.06		
PCB-128/162	291				PCB-170	701			
PCB-129	69.5				PCB-171	214			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.
individual congeners for qualifiers.

The sample size is reported in wet weight. See

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923	QC Batch: B9J0053	Lab Sample: B9J0053-DUP1
Source LabNumber: 1903285-06	Date Extracted: 07-Oct-2019 11:35	Date Analyzed: 11-Oct-19 07:16 Column: ZB-1
Matrix: Solid		
Sample Size: 13.4 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-172	119				PCB-207	27.5			
PCB-173	16.4				PCB-208	57.5			
PCB-174	894				PCB-209	239			
PCB-175	31.4				Total monoCB	68.8			
PCB-176	103				Total diCB	907			
PCB-177	487				Total triCB	8010			
PCB-178	163				Total tetraCB	17300			
PCB-179	374				Total pentaCB	14000			
PCB-180	1740				Total hexaCB	10900			
PCB-181	ND	1.26			Total heptaCB	6550			
PCB-182/187	943				Total octaCB	1600			
PCB-183	390				Total nonaCB	279			
PCB-184	1.78			J	DecaCB	239			
PCB-185	94.1				Total PCB	59900			
PCB-186	ND	0.838							
PCB-188	1.65			J					
PCB-189	26.8								
PCB-190	139								
PCB-191	23.6								
PCB-192	ND	1.05							
PCB-193	86.6								
PCB-194	371								
PCB-195	150								
PCB-196/203	408								
PCB-197	17.5								
PCB-198	18.5								
PCB-199	408								
PCB-200	54.5								
PCB-201	61.6								
PCB-202	92.7								
PCB-204	ND	1.70							
PCB-205	18.0								
PCB-206	195								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.
individual congeners for qualifiers.

The sample size is reported in wet weight. See

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923	QC Batch: B9J0053	Lab Sample: B9J0053-DUP1
Source LabNumber: 1903285-06	Date Extracted: 07-Oct-2019 11:35	Date Analyzed: 11-Oct-19 07:16 Column: ZB-1
Matrix: Solid		
Sample Size: 13.4 g		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	65.4	5-145		13C-PCB-157	85.6	10-145	
13C-PCB-3	69.3	5-145		13C-PCB-159	86.5	10-145	
13C-PCB-4	82.0	5-145		13C-PCB-167	87.2	10-145	
13C-PCB-11	89.0	5-145		13C-PCB-169	75.5	10-145	
13C-PCB-9	90.4	5-145		13C-PCB-170	85.5	10-145	
13C-PCB-19	69.2	5-145		13C-PCB-180	91.1	10-145	
13C-PCB-28	76.3	5-145		13C-PCB-188	98.1	10-145	
13C-PCB-32	73.1	5-145		13C-PCB-189	77.9	10-145	
13C-PCB-37	80.5	5-145		13C-PCB-194	100	10-145	
13C-PCB-47	90.9	5-145		13C-PCB-202	73.3	10-145	
13C-PCB-52	90.0	5-145		13C-PCB-206	81.0	10-145	
13C-PCB-54	84.9	5-145		13C-PCB-208	90.1	10-145	
13C-PCB-70	89.4	5-145		13C-PCB-209	64.9	10-145	
13C-PCB-77	76.9	10-145		CRS 13C-PCB-79	84.8	10-145	
13C-PCB-80	89.2	10-145		13C-PCB-178	70.4	10-145	
13C-PCB-81	82.5	10-145					
13C-PCB-95	102	10-145					
13C-PCB-97	93.5	10-145					
13C-PCB-101	92.0	10-145					
13C-PCB-104	96.7	10-145					
13C-PCB-105	103	10-145					
13C-PCB-114	109	10-145					
13C-PCB-118	83.7	10-145					
13C-PCB-123	87.1	10-145					
13C-PCB-126	100	10-145					
13C-PCB-127	104	10-145					
13C-PCB-138	91.9	10-145					
13C-PCB-141	93.8	10-145					
13C-PCB-153	94.1	10-145					
13C-PCB-155	60.5	10-145					
13C-PCB-156	84.6	10-145					

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.
individual congeners for qualifiers.

The sample size is reported in wet weight. See

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923
 Source LabNumber: 1903285-06
 Matrix: Solid

Duplicate Lab Sample: B9J0053-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-1	27.0	25.9	4.29	25	PCB-43/49	1930	1800	6.97	25
PCB-2	17.5	16.0	8.60	25	PCB-44	1880	1730	8.35	25
PCB-3	24.3	24.3	0.116	25	PCB-45	301	272	10.1	25
PCB-4/10	89.8	80.4	11.0	25	PCB-46	132	119	10.4	25
PCB-5/8	336	305	9.66	25	PCB-47	737	705	4.51	25
PCB-6	85.9	76.6	11.4	25	PCB-48/75	414	357	14.9	25
PCB-7/9	31.7	29.5	7.26	25	PCB-50	8.40	ND	#	25
PCB-11	77.3	75.4	2.52	25	PCB-51	105	97.9	6.54	25
PCB-12/13	48.9	43.3	12.2	25	PCB-52/69	2230	2050	8.70	25
PCB-14	ND	ND	NA	25	PCB-53	302	272	10.5	25
PCB-15	238	221	7.48	25	PCB-54	8.20	7.95	3.02	25
PCB-16/32	665	585	12.9	25	PCB-55	15.3	15.0	2.03	25
PCB-17	568	512	10.4	25	PCB-56/60	1070	1030	3.14	25
PCB-18	828	806	2.77	25	PCB-57	10.1	9.36	7.27	25
PCB-19	90.9	81.2	11.3	25	PCB-58	14.1	14.6	3.92	25
PCB-20/21/33	894	712	22.7	25	PCB-61/70	2570	2390	7.46	25
PCB-22	462	376	20.5	25	PCB-62	ND	ND	NA	25
PCB-23	0.766	ND	#	25	PCB-63	68.3	62.3	9.29	25
PCB-24/27	73.9	64.1	14.2	25	PCB-65	ND	ND	NA	25
PCB-25	258	185	32.7	25	PCB-66/76	2050	1860	9.93	25
PCB-26	395	264	39.9	25	PCB-67	64.5	52.8	19.9	25
PCB-28	1670	1390	18.3	25	PCB-68	26.9	19.4	32.3	25
PCB-29	6.33	4.72	29.1	25	PCB-73	4.53	4.73	4.43	25
PCB-30	0.866	ND	#	25	PCB-74	801	782	2.42	25
PCB-31	1620	1210	28.8	25	PCB-77	174	162	7.29	25
PCB-34	24.3	20.3	17.8	25	PCB-78	5.63	4.70	18.1	25
PCB-35	23.3	18.1	25.1	25	PCB-79	28.1	30.0	6.78	25
PCB-36	ND	2.22	#	25	PCB-80	ND	ND	NA	25
PCB-37	397	330	18.4	25	PCB-81	13.8	12.9	7.13	25
PCB-38	13.0	13.0	0.224	25	PCB-82	235	236	0.356	25
PCB-39	11.1	11.0	1.36	25	PCB-83	ND	0.573	#	25
PCB-40	316	339	7.14	25	PCB-84/92	1170	1130	3.68	25
PCB-41/64/71/72	1410	1340	5.14	25	PCB-85/116	287	310	7.53	25
PCB-42/59	632	613	3.05	25	PCB-86	ND	ND	NA	25

LCL-UCL - Lower control limit - upper control limit.

- Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

the MDL

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923
 Source LabNumber: 1903285-06
 Matrix: Solid

Duplicate Lab Sample: B9J0053-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-87/117/125	585	608	3.76	25	PCB-134/143	115	115	0.193	25
PCB-88/91	410	434	5.68	25	PCB-135	323	323	0.157	25
PCB-89	27.5	28.6	4.00	25	PCB-136	400	417	4.25	25
PCB-90/101	2660	2660	0.0335	25	PCB-137	73.8	66.3	10.7	25
PCB-93	ND	ND	NA	25	PCB-138/163/164	2170	2160	0.336	25
PCB-94	14.6	16.9	14.6	25	PCB-139/149	2070	2090	1.03	25
PCB-95/98/102	1700	1750	2.87	25	PCB-140	24.2	21.7	10.8	25
PCB-96	22.7	25.8	12.8	25	PCB-141	430	410	4.87	25
PCB-97	688	674	1.97	25	PCB-142	ND	ND	NA	25
PCB-99	1130	1110	1.48	25	PCB-144	99.7	115	13.8	25
PCB-100	26.4	28.5	7.62	25	PCB-145	ND	0.606	#	25
PCB-103	53.2	51.7	2.76	25	PCB-146/165	432	418	3.25	25
PCB-104	1.69	1.48	12.9	25	PCB-147	50.1	51.3	2.30	25
PCB-105	525	505	3.75	25	PCB-148	8.09	ND	#	25
PCB-106/118	1730	1810	4.49	25	PCB-150	10.5	10.0	4.60	25
PCB-107/109	141	148	4.75	25	PCB-151	648	664	2.52	25
PCB-108/112	103	99.8	3.66	25	PCB-152	2.47	2.43	1.31	25
PCB-110	2230	2370	5.91	25	PCB-153	2310	2270	1.82	25
PCB-111/115	23.4	23.1	1.28	25	PCB-154	72.4	69.5	3.99	25
PCB-113	6.61	12.1	59.0	25	PCB-155	1.11	1.42	24.6	25
PCB-114	32.0	31.1	2.75	25	PCB-156	189	188	0.418	25
PCB-119	92.0	92.5	0.485	25	PCB-157	33.2	34.3	3.21	25
PCB-120	11.0	15.6	34.4	25	PCB-158/160	183	181	0.899	25
PCB-121	ND	ND	NA	25	PCB-159	ND	30.2	#	25
PCB-122	19.4	19.3	0.969	25	PCB-166	6.07	6.04	0.531	25
PCB-123	23.1	27.4	17.2	25	PCB-167	72.1	72.6	0.808	25
PCB-124	59.0	62.6	5.85	25	PCB-168	ND	ND	NA	25
PCB-126	8.83	8.16	7.92	25	PCB-169	ND	ND	NA	25
PCB-127	ND	ND	NA	25	PCB-170	701	698	0.381	25
PCB-128/162	291	286	1.70	25	PCB-171	214	208	2.69	25
PCB-129	69.5	70.8	1.85	25	PCB-172	119	120	1.41	25
PCB-130	147	133	9.91	25	PCB-173	16.4	15.8	3.28	25
PCB-131/133	69.5	72.1	3.65	25	PCB-174	894	821	8.51	25
PCB-132/161	576	562	2.46	25	PCB-175	31.4	26.2	17.8	25

LCL-UCL - Lower control limit - upper control limit.

- Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923
 Source LabNumber: 1903285-06
 Matrix: Solid

Duplicate Lab Sample: B9J0053-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-176	103	103	0.162	25					
PCB-177	487	468	3.98	25					
PCB-178	163	167	2.51	25					
PCB-179	374	355	5.29	25					
PCB-180	1740	1740	0.0876	25					
PCB-181	ND	ND	NA	25					
PCB-182/187	943	934	0.889	25					
PCB-183	390	403	3.26	25					
PCB-184	1.78	1.17	41.2	25					
PCB-185	94.1	92.7	1.50	25					
PCB-186	ND	ND	NA	25					
PCB-188	1.65	2.33	34.1	25					
PCB-189	26.8	24.5	9.01	25					
PCB-190	139	141	1.28	25					
PCB-191	23.6	26.6	12.0	25					
PCB-192	ND	ND	NA	25					
PCB-193	86.6	88.1	1.71	25					
PCB-194	371	372	0.237	25					
PCB-195	150	161	6.83	25					
PCB-196/203	408	380	7.10	25					
PCB-197	17.5	17.1	2.06	25					
PCB-198	18.5	15.8	15.9	25					
PCB-199	408	335	19.5	25					
PCB-200	54.5	53.9	1.28	25					
PCB-201	61.6	68.7	11.0	25					
PCB-202	92.7	84.7	8.98	25					
PCB-204	ND	1.16	#	25					
PCB-205	18.0	16.9	6.36	25					
PCB-206	195	215	10.2	25					
PCB-207	27.5	25.5	7.48	25					
PCB-208	57.5	55.3	3.88	25					
PCB-209	239	368	42.8	25					

LCL-UCL - Lower control limit - upper control limit.
 # - Result could not be calculated due to one or more non-detected analytes
 The results are reported in dry weight. The sample size is reported in wet weight. Results reported to the nearest 0.1.

Sample ID: Duplicate

EPA Method 1668C

Source Client ID: PDI-102SG-00-01-190923
 Source LabNumber: 1903285-06
 Matrix: Solid

Duplicate Lab Sample: B9J0053-DUP1

	Labeled Standard	Dup %R	Source %R	LCL-UCL		Labeled Standard	Dup %R	Source %R	LCL-UCL
IS	13C-PCB-1	65.4	53.2	5-145		13C-PCB-159	86.5	76.6	10-145
	13C-PCB-3	69.3	57.7	5-145		13C-PCB-167	87.2	75.0	10-145
	13C-PCB-4	82.0	68.2	5-145		13C-PCB-169	75.5	65.8	10-145
	13C-PCB-11	89.0	69.5	5-145		13C-PCB-170	85.5	69.9	10-145
	13C-PCB-9	90.4	74.4	5-145		13C-PCB-180	91.1	76.0	10-145
	13C-PCB-19	69.2	58.7	5-145		13C-PCB-188	98.1	82.3	10-145
	13C-PCB-28	76.3	75.0	5-145		13C-PCB-189	77.9	58.9	10-145
	13C-PCB-32	73.1	62.1	5-145		13C-PCB-194	100	86.2	10-145
	13C-PCB-37	80.5	77.7	5-145		13C-PCB-202	73.3	56.7	10-145
	13C-PCB-47	90.9	73.6	5-145		13C-PCB-206	81.0	69.1	10-145
	13C-PCB-52	90.0	70.9	5-145		13C-PCB-208	90.1	81.3	10-145
	13C-PCB-54	84.9	65.6	5-145		13C-PCB-209	64.9	53.7	10-145
	13C-PCB-70	89.4	77.6	5-145	CRS	13C-PCB-79	84.8	76.7	10-145
	13C-PCB-77	76.9	78.2	10-145		13C-PCB-178	70.4	62.6	10-145
	13C-PCB-80	89.2	74.9	10-145					
	13C-PCB-81	82.5	78.4	10-145					
	13C-PCB-95	102	76.9	10-145					
	13C-PCB-97	93.5	80.2	10-145					
	13C-PCB-101	92.0	77.5	10-145					
	13C-PCB-104	96.7	76.3	10-145					
	13C-PCB-105	103	84.8	10-145					
	13C-PCB-114	109	89.6	10-145					
	13C-PCB-118	83.7	76.4	10-145					
	13C-PCB-123	87.1	80.3	10-145					
	13C-PCB-126	100	84.0	10-145					
	13C-PCB-127	104	88.5	10-145					
	13C-PCB-138	91.9	78.1	10-145					
	13C-PCB-141	93.8	80.8	10-145					
	13C-PCB-153	94.1	79.5	10-145					
	13C-PCB-155	60.5	49.3	10-145					
	13C-PCB-156	84.6	73.6	10-145					
	13C-PCB-157	85.6	73.1	10-145					

LCL-UCL - Lower control limit - upper control limit.

- Result could not be calculated due to one or more non-detected analytes

The results are reported in dry weight.

The sample size is reported in wet weight. Results reported to

the MDL

Sample ID: PDI-103SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-07
Project:	Gasco PDI	Sample Size:	12.1 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:30	% Solids:	44.6	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 13:30 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	5.74				PCB-44	272			
PCB-2	13.2				PCB-45	42.4			
PCB-3	6.62				PCB-46	21.1			
PCB-4/10	19.4				PCB-47	135			
PCB-5/8	40.2				PCB-48/75	49.8			
PCB-6	11.3				PCB-50	ND		1.40	
PCB-7/9	ND		3.79		PCB-51	24.2			
PCB-11	57.3				PCB-52/69	358			
PCB-12/13	6.33			J	PCB-53	52.1			
PCB-14	ND	0.638			PCB-54	ND		3.75	
PCB-15	45.2				PCB-55	4.68			
PCB-16/32	76.3				PCB-56/60	193			
PCB-17	48.5				PCB-57	ND		2.00	
PCB-18	96.8				PCB-58	ND		1.18	
PCB-19	28.6				PCB-61/70	355			
PCB-20/21/33	74.3				PCB-62	ND	0.442		
PCB-22	48.3				PCB-63	ND		12.0	
PCB-23	ND	0.485			PCB-65	ND	0.425		
PCB-24/27	11.2				PCB-66/76	300			
PCB-25	17.1				PCB-67	8.08			
PCB-26	28.0				PCB-68	3.94			J
PCB-28	167				PCB-73	0.999			J
PCB-29	ND		0.976		PCB-74	111			
PCB-30	ND	0.311			PCB-77	32.8			
PCB-31	128				PCB-78	1.51			J
PCB-34	ND		1.56		PCB-79	6.97			
PCB-35	ND		3.11		PCB-80	ND	0.342		
PCB-36	ND	0.422			PCB-81	ND		3.08	
PCB-37	59.4				PCB-82	60.2			
PCB-38	ND		2.51		PCB-83	ND	0.542		
PCB-39	ND	0.458			PCB-84/92	291			
PCB-40	52.1				PCB-85/116	85.3			
PCB-41/64/71/72	254				PCB-86	ND	0.842		
PCB-42/59	89.3				PCB-87/117/125	167			
PCB-43/49	274				PCB-88/91	104			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-103SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-07	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	12.1 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 14:30	% Solids:	44.6	Date Analyzed :	11-Oct-19 13:30	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		4.75		PCB-137	20.2			
PCB-90/101	726				PCB-138/163/164	654			
PCB-93	ND	0.904			PCB-139/149	705			
PCB-94	ND		4.29		PCB-140	12.4			
PCB-95/98/102	482				PCB-141	130			
PCB-96	ND		5.24		PCB-142	ND		1.22	
PCB-97	144				PCB-144	29.1			
PCB-99	302				PCB-145	ND	0.521		
PCB-100	9.18				PCB-146/165	167			
PCB-103	16.8				PCB-147	19.3			
PCB-104	ND		0.896		PCB-148	ND		7.64	
PCB-105	156				PCB-150	ND		3.07	
PCB-106/118	450				PCB-151	254			
PCB-107/109	40.1				PCB-152	ND	0.518		
PCB-108/112	22.9				PCB-153	704			
PCB-110	595				PCB-154	ND		27.5	
PCB-111/115	ND		8.39		PCB-155	ND	0.596		
PCB-113	ND	0.616			PCB-156	50.7			
PCB-114	10.3				PCB-157	12.3			
PCB-119	26.6				PCB-158/160	65.5			
PCB-120	ND	0.499			PCB-159	8.63			
PCB-121	ND	0.548			PCB-166	ND		1.54	
PCB-122	5.29				PCB-167	22.4			
PCB-123	ND		7.89		PCB-168	ND		1.87	
PCB-124	20.2				PCB-169	ND	0.673		
PCB-126	ND		2.35		PCB-170	166			
PCB-127	ND	0.530			PCB-171	52.5			
PCB-128/162	85.7				PCB-172	29.2			
PCB-129	20.5				PCB-173	4.54			J
PCB-130	41.2				PCB-174	211			
PCB-131/133	30.4				PCB-175	9.10			
PCB-132/161	178				PCB-176	28.2			
PCB-134/143	38.2				PCB-177	116			
PCB-135	143				PCB-178	52.2			
PCB-136	135				PCB-179	99.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-103SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-07	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	12.1 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 14:30	% Solids:	44.6	Date Analyzed :	11-Oct-19 13:30	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	419				Total octaCB	383		397	
PCB-181	3.32			J	Total nonaCB	84.6		107	
PCB-182/187	266				DecaCB	105			
PCB-183	111				Total PCB	13100			
PCB-184	ND		0.674						
PCB-185	25.5								
PCB-186	ND	0.467							
PCB-188	ND		0.545						
PCB-189	5.80								
PCB-190	39.7								
PCB-191	ND		5.58						
PCB-192	ND	0.523							
PCB-193	25.6								
PCB-194	87.1								
PCB-195	41.9								
PCB-196/203	102								
PCB-197	ND		4.47						
PCB-198	ND		4.70						
PCB-199	94.3								
PCB-200	16.0								
PCB-201	15.5								
PCB-202	25.7								
PCB-204	ND		1.24						
PCB-205	ND		3.90						
PCB-206	71.6								
PCB-207	13.0								
PCB-208	ND		22.4						
PCB-209	105								
Total monoCB	25.5								
Total diCB	180		183						
Total triCB	783		791						
Total tetraCB	2640		2660						
Total pentaCB	3710		3750						
Total hexaCB	3530		3570						
Total heptaCB	1660		1670						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-103SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-07
Project:	Gasco PDI	Sample Size:	12.1 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:30	% Solids:	44.6	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 13:30 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	50.4	5 -145		13C-PCB-170	81.7	10 -145	
13C-PCB-3	54.3	5 -145		13C-PCB-180	82.0	10 -145	
13C-PCB-4	67.0	5 -145		13C-PCB-188	79.4	10 -145	
13C-PCB-11	71.9	5 -145		13C-PCB-189	71.3	10 -145	
13C-PCB-9	72.8	5 -145		13C-PCB-194	97.2	10 -145	
13C-PCB-19	59.0	5 -145		13C-PCB-202	55.7	10 -145	
13C-PCB-28	83.9	5 -145		13C-PCB-206	78.3	10 -145	
13C-PCB-32	65.2	5 -145		13C-PCB-208	97.6	10 -145	
13C-PCB-37	88.1	5 -145		13C-PCB-209	62.8	10 -145	
13C-PCB-47	75.5	5 -145		CRS 13C-PCB-79	85.0	10 -145	
13C-PCB-52	74.6	5 -145		13C-PCB-178	63.2	10 -145	
13C-PCB-54	68.4	5 -145					
13C-PCB-70	80.0	5 -145					
13C-PCB-77	86.5	10 -145					
13C-PCB-80	79.8	10 -145					
13C-PCB-81	85.8	10 -145					
13C-PCB-95	76.0	10 -145					
13C-PCB-97	82.5	10 -145					
13C-PCB-101	79.8	10 -145					
13C-PCB-104	75.2	10 -145					
13C-PCB-105	87.9	10 -145					
13C-PCB-114	90.3	10 -145					
13C-PCB-118	84.5	10 -145					
13C-PCB-123	87.4	10 -145					
13C-PCB-126	90.0	10 -145					
13C-PCB-127	88.7	10 -145					
13C-PCB-138	79.8	10 -145					
13C-PCB-141	80.5	10 -145					
13C-PCB-153	77.8	10 -145					
13C-PCB-155	51.7	10 -145					
13C-PCB-156	80.3	10 -145					
13C-PCB-157	78.8	10 -145					
13C-PCB-159	82.8	10 -145					
13C-PCB-167	82.5	10 -145					
13C-PCB-169	72.9	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-104SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-08	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	15.9 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 14:45	% Solids:	37.1	Date Analyzed :	11-Oct-19 14:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		3.68		PCB-44	71.6			
PCB-2	ND		4.92		PCB-45	12.2			
PCB-3	3.61			J	PCB-46	4.57			
PCB-4/10	ND	1.82			PCB-47	31.9			
PCB-5/8	ND		13.5		PCB-48/75	15.1			
PCB-6	ND	1.36			PCB-50	ND	1.04		
PCB-7/9	ND	1.42			PCB-51	ND		5.79	
PCB-11	ND		14.7		PCB-52/69	90.4			
PCB-12/13	ND	1.27			PCB-53	14.1			
PCB-14	ND	1.27			PCB-54	ND	0.816		
PCB-15	12.3				PCB-55	ND	0.703		
PCB-16/32	22.3				PCB-56/60	55.5			
PCB-17	ND		12.8		PCB-57	ND	0.778		
PCB-18	31.6				PCB-58	ND	0.733		
PCB-19	ND		8.16		PCB-61/70	94.2			
PCB-20/21/33	25.5				PCB-62	ND	0.887		
PCB-22	ND		15.6		PCB-63	ND		3.18	
PCB-23	ND	1.07			PCB-65	ND	0.853		
PCB-24/27	3.39			J	PCB-66/76	73.6			
PCB-25	ND		5.00		PCB-67	2.68			J
PCB-26	10.6				PCB-68	ND		1.74	
PCB-28	51.0				PCB-73	ND	0.773		
PCB-29	ND	1.10			PCB-74	37.6			
PCB-30	ND	0.727			PCB-77	ND		8.52	
PCB-31	46.2				PCB-78	ND	0.758		
PCB-34	ND	1.06			PCB-79	ND		2.01	
PCB-35	ND	0.935			PCB-80	ND	0.693		
PCB-36	ND	0.899			PCB-81	ND	0.839		
PCB-37	ND		13.1		PCB-82	15.9			
PCB-38	ND	0.938			PCB-83	ND		1.05	
PCB-39	ND	0.976			PCB-84/92	61.2			
PCB-40	ND		14.5		PCB-85/116	ND		19.2	
PCB-41/64/71/72	71.2				PCB-86	ND		1.50	
PCB-42/59	24.6				PCB-87/117/125	45.6			
PCB-43/49	62.2				PCB-88/91	ND		19.1	

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-104SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-08	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	15.9 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 14:45	% Solids:	37.1	Date Analyzed :	11-Oct-19 14:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	1.73			PCB-137	7.16			
PCB-90/101	143				PCB-138/163/164	138			
PCB-93	ND	1.97			PCB-139/149	117			
PCB-94	ND	2.15			PCB-140	ND	1.78		
PCB-95/98/102	90.2				PCB-141	28.7			
PCB-96	ND	1.34			PCB-142	ND	1.48		
PCB-97	38.0				PCB-144	ND		4.97	
PCB-99	56.8				PCB-145	ND	1.11		
PCB-100	ND	1.71			PCB-146/165	24.1			
PCB-103	ND	1.72			PCB-147	ND		3.33	
PCB-104	ND	1.34			PCB-148	ND	1.61		
PCB-105	41.8				PCB-150	ND	1.26		
PCB-106/118	103				PCB-151	44.2			
PCB-107/109	8.95				PCB-152	ND	1.11		
PCB-108/112	7.47			J	PCB-153	136			
PCB-110	132				PCB-154	4.20			J
PCB-111/115	ND		1.52		PCB-155	ND	1.28		
PCB-113	ND	1.35			PCB-156	12.8			
PCB-114	ND	1.22			PCB-157	4.13			J
PCB-119	6.31				PCB-158/160	16.6			
PCB-120	ND	1.18			PCB-159	ND	0.914		
PCB-121	ND	1.20			PCB-166	ND	0.956		
PCB-122	ND	1.46			PCB-167	ND		4.68	
PCB-123	ND	1.32			PCB-168	ND	1.03		
PCB-124	ND		4.43		PCB-169	ND	1.05		
PCB-126	ND	1.20			PCB-170	41.5			
PCB-127	ND	1.16			PCB-171	11.6			
PCB-128/162	ND		17.2		PCB-172	ND		7.17	
PCB-129	ND		5.35		PCB-173	ND	2.02		
PCB-130	11.7				PCB-174	ND		40.5	
PCB-131/133	5.91			J	PCB-175	3.36			J
PCB-132/161	ND		34.0		PCB-176	ND		4.35	
PCB-134/143	ND		5.99		PCB-177	26.5			
PCB-135	22.7				PCB-178	10.8			
PCB-136	21.7				PCB-179	18.5			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-104SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-08
Project:	Gasco PDI	Sample Size:	15.9 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:45	% Solids:	37.1	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 14:32 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	92.1				Total octaCB	40.3		68.6	
PCB-181	ND	1.63			Total nonaCB	5.98		17.7	
PCB-182/187	52.6				DecaCB	ND		10.6	
PCB-183	ND		23.6		Total PCB	2540			
PCB-184	ND	1.30							
PCB-185	4.94								
PCB-186	ND	1.25							
PCB-188	ND	1.28							
PCB-189	ND	1.34							
PCB-190	10.2								
PCB-191	ND	1.46							
PCB-192	ND	1.35							
PCB-193	6.12								
PCB-194	17.2								
PCB-195	ND		7.65						
PCB-196/203	23.0								
PCB-197	ND	1.59							
PCB-198	ND	2.08							
PCB-199	ND		20.7						
PCB-200	ND	1.63							
PCB-201	ND	1.70							
PCB-202	ND	1.52							
PCB-204	ND	1.59							
PCB-205	ND	0.908							
PCB-206	ND		11.7						
PCB-207	2.74			J					
PCB-208	3.24			J					
PCB-209	ND		10.6						
Total monoCB	3.61		12.2						
Total diCB	12.3		40.4						
Total triCB	191		245						
Total tetraCB	661		697						
Total pentaCB	750		797						
Total hexaCB	596		672						
Total heptaCB	278		354						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-104SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-08
Project:	Gasco PDI	Sample Size:	15.9 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:45	% Solids:	37.1	QC Batch:	B9J0053
				Date Analyzed :	11-Oct-19 14:32 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	15.7	5 -145		13C-PCB-170	26.1	10 -145	
13C-PCB-3	16.6	5 -145		13C-PCB-180	27.0	10 -145	
13C-PCB-4	19.9	5 -145		13C-PCB-188	25.5	10 -145	
13C-PCB-11	24.3	5 -145		13C-PCB-189	25.4	10 -145	
13C-PCB-9	21.7	5 -145		13C-PCB-194	29.3	10 -145	
13C-PCB-19	17.4	5 -145		13C-PCB-202	19.9	10 -145	
13C-PCB-28	20.5	5 -145		13C-PCB-206	23.7	10 -145	
13C-PCB-32	18.8	5 -145		13C-PCB-208	28.9	10 -145	
13C-PCB-37	26.6	5 -145		13C-PCB-209	19.6	10 -145	
13C-PCB-47	23.5	5 -145		CRS 13C-PCB-79	101	10 -145	
13C-PCB-52	23.9	5 -145		13C-PCB-178	83.1	10 -145	
13C-PCB-54	21.5	5 -145					
13C-PCB-70	24.9	5 -145					
13C-PCB-77	25.9	10 -145					
13C-PCB-80	25.3	10 -145					
13C-PCB-81	26.2	10 -145					
13C-PCB-95	23.7	10 -145					
13C-PCB-97	24.4	10 -145					
13C-PCB-101	24.9	10 -145					
13C-PCB-104	23.8	10 -145					
13C-PCB-105	28.8	10 -145					
13C-PCB-114	28.6	10 -145					
13C-PCB-118	26.5	10 -145					
13C-PCB-123	27.0	10 -145					
13C-PCB-126	29.9	10 -145					
13C-PCB-127	29.2	10 -145					
13C-PCB-138	26.2	10 -145					
13C-PCB-141	26.3	10 -145					
13C-PCB-153	25.4	10 -145					
13C-PCB-155	18.2	10 -145					
13C-PCB-156	25.5	10 -145					
13C-PCB-157	26.0	10 -145					
13C-PCB-159	27.5	10 -145					
13C-PCB-167	25.4	10 -145					
13C-PCB-169	25.4	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-105SG-00-0.99-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-09
Project:	Gasco PDI	Sample Size:	11.7 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:00	% Solids:	48.1	QC Batch:	B9J0053
				Date Analyzed :	12-Oct-19 17:51 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	6.58				PCB-44	208			
PCB-2	13.7				PCB-45	30.8			
PCB-3	ND		6.33		PCB-46	15.5			
PCB-4/10	19.3				PCB-47	108			
PCB-5/8	43.7				PCB-48/75	33.5			
PCB-6	9.19				PCB-50	ND		0.922	
PCB-7/9	ND	1.68			PCB-51	20.1			
PCB-11	65.2				PCB-52/69	271			
PCB-12/13	ND	1.91			PCB-53	43.4			
PCB-14	ND	1.91			PCB-54	4.41			J
PCB-15	ND		49.8		PCB-55	3.43			J
PCB-16/32	56.8				PCB-56/60	160			
PCB-17	37.0				PCB-57	1.65			J
PCB-18	55.3				PCB-58	1.46			J
PCB-19	22.5				PCB-61/70	285			
PCB-20/21/33	74.6				PCB-62	ND	0.569		
PCB-22	47.6				PCB-63	ND		10.2	
PCB-23	ND	0.704			PCB-65	ND	0.546		
PCB-24/27	9.37				PCB-66/76	263			
PCB-25	ND		15.1		PCB-67	7.00			
PCB-26	29.2				PCB-68	4.86			
PCB-28	158				PCB-73	ND	0.485		
PCB-29	ND	0.719			PCB-74	99.1			
PCB-30	ND	0.330			PCB-77	31.4			
PCB-31	132				PCB-78	ND		0.755	
PCB-34	ND	0.694			PCB-79	6.07			
PCB-35	ND		3.15		PCB-80	ND	0.412		
PCB-36	ND	0.574			PCB-81	3.51			J
PCB-37	59.0				PCB-82	47.3			
PCB-38	ND	0.599			PCB-83	ND	0.344		
PCB-39	ND	0.623			PCB-84/92	197			
PCB-40	43.1				PCB-85/116	70.4			
PCB-41/64/71/72	202				PCB-86	ND		1.48	
PCB-42/59	72.2				PCB-87/117/125	136			
PCB-43/49	211				PCB-88/91	83.9			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-105SG-00-0.99-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-09	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	11.7 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 14:00	% Solids:	48.1	Date Analyzed :	12-Oct-19 17:51	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	5.52				PCB-137	22.2			
PCB-90/101	507				PCB-138/163/164	654			
PCB-93	ND	0.593			PCB-139/149	638			
PCB-94	4.05			J	PCB-140	6.18			
PCB-95/98/102	325				PCB-141	128			
PCB-96	5.12				PCB-142	ND		1.18	
PCB-97	113				PCB-144	32.3			
PCB-99	206				PCB-145	0.471			J
PCB-100	9.31				PCB-146/165	114			
PCB-103	10.4				PCB-147	ND		16.0	
PCB-104	ND		2.11		PCB-148	ND		2.65	
PCB-105	149				PCB-150	ND		2.62	
PCB-106/118	379				PCB-151	209			
PCB-107/109	31.4				PCB-152	ND		0.641	
PCB-108/112	17.3				PCB-153	639			
PCB-110	470				PCB-154	17.0			
PCB-111/115	ND		5.20		PCB-155	ND	0.268		
PCB-113	ND	0.397			PCB-156	51.5			
PCB-114	ND		5.97		PCB-157	11.1			
PCB-119	15.2				PCB-158/160	62.0			
PCB-120	2.48			J	PCB-159	ND	0.552		
PCB-121	ND	0.360			PCB-166	ND		1.53	
PCB-122	5.39				PCB-167	23.5			
PCB-123	ND		6.16		PCB-168	ND	0.632		
PCB-124	15.9				PCB-169	ND	0.682		
PCB-126	ND		2.55		PCB-170	237			
PCB-127	ND	0.708			PCB-171	66.4			
PCB-128/162	87.9				PCB-172	42.0			
PCB-129	20.5				PCB-173	ND		5.65	
PCB-130	35.6				PCB-174	270			
PCB-131/133	19.7				PCB-175	10.2			
PCB-132/161	155				PCB-176	32.4			
PCB-134/143	29.6				PCB-177	158			
PCB-135	96.2				PCB-178	62.7			
PCB-136	105				PCB-179	116			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.

See individual congeners for qualifiers.

Sample ID: PDI-105SG-00-0.99-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-09
Project:	Gasco PDI	Sample Size:	11.7 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:00	% Solids:	48.1	QC Batch:	B9J0053
				Date Analyzed :	12-Oct-19 17:51 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	609				Total octaCB	585		591	
PCB-181	6.51				Total nonaCB	113			
PCB-182/187	348				DecaCB	97.5			
PCB-183	142				Total PCB	12000			
PCB-184	ND		0.762						
PCB-185	32.0								
PCB-186	ND		0.357						
PCB-188	ND		0.977						
PCB-189	9.00								
PCB-190	51.4								
PCB-191	10.4								
PCB-192	ND	0.503							
PCB-193	31.2								
PCB-194	122								
PCB-195	57.1								
PCB-196/203	169								
PCB-197	6.53								
PCB-198	8.14								
PCB-199	151								
PCB-200	18.7								
PCB-201	21.7								
PCB-202	30.4								
PCB-204	ND		0.705						
PCB-205	ND		5.75						
PCB-206	78.5								
PCB-207	11.7								
PCB-208	22.8								
PCB-209	97.5								
Total monoCB	20.3		26.6						
Total diCB	137		187						
Total triCB	681		700						
Total tetraCB	2130		2140						
Total pentaCB	2810		2830						
Total hexaCB	3160		3180						
Total heptaCB	2230		2240						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-105SG-00-0.99-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-09
Project:	Gasco PDI	Sample Size:	11.7 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 14:00	% Solids:	48.1	QC Batch:	B9J0053
				Date Analyzed :	12-Oct-19 17:51 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	65.2	5 -145		13C-PCB-170	83.9	10 -145	
13C-PCB-3	74.5	5 -145		13C-PCB-180	86.9	10 -145	
13C-PCB-4	74.1	5 -145		13C-PCB-188	79.3	10 -145	
13C-PCB-11	83.7	5 -145		13C-PCB-189	84.6	10 -145	
13C-PCB-9	79.2	5 -145		13C-PCB-194	102	10 -145	
13C-PCB-19	91.2	5 -145		13C-PCB-202	81.4	10 -145	
13C-PCB-28	76.8	5 -145		13C-PCB-206	97.2	10 -145	
13C-PCB-32	99.6	5 -145		13C-PCB-208	113	10 -145	
13C-PCB-37	86.1	5 -145		13C-PCB-209	94.1	10 -145	
13C-PCB-47	71.4	5 -145		CRS 13C-PCB-79	88.7	10 -145	
13C-PCB-52	67.4	5 -145		13C-PCB-178	96.2	10 -145	
13C-PCB-54	61.8	5 -145					
13C-PCB-70	70.9	5 -145					
13C-PCB-77	84.8	10 -145					
13C-PCB-80	76.4	10 -145					
13C-PCB-81	84.5	10 -145					
13C-PCB-95	75.6	10 -145					
13C-PCB-97	86.1	10 -145					
13C-PCB-101	82.0	10 -145					
13C-PCB-104	71.1	10 -145					
13C-PCB-105	65.7	10 -145					
13C-PCB-114	65.5	10 -145					
13C-PCB-118	87.1	10 -145					
13C-PCB-123	89.7	10 -145					
13C-PCB-126	70.3	10 -145					
13C-PCB-127	67.4	10 -145					
13C-PCB-138	80.4	10 -145					
13C-PCB-141	80.9	10 -145					
13C-PCB-153	78.4	10 -145					
13C-PCB-155	70.9	10 -145					
13C-PCB-156	83.8	10 -145					
13C-PCB-157	85.3	10 -145					
13C-PCB-159	84.6	10 -145					
13C-PCB-167	85.2	10 -145					
13C-PCB-169	76.6	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-106SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-10	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	15.1 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 15:05	% Solids:	37.0	Date Analyzed :	12-Oct-19 18:53	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	4.91				PCB-44	169			
PCB-2	10.3				PCB-45	21.7			
PCB-3	5.65				PCB-46	10.8			
PCB-4/10	15.3				PCB-47	88.2			
PCB-5/8	27.6				PCB-48/75	27.7			
PCB-6	ND		5.19		PCB-50	ND		1.05	
PCB-7/9	ND	1.78			PCB-51	17.2			
PCB-11	72.1				PCB-52/69	229			
PCB-12/13	ND	1.63			PCB-53	31.6			
PCB-14	ND	1.64			PCB-54	ND		3.39	
PCB-15	28.1				PCB-55	2.53			J
PCB-16/32	37.4				PCB-56/60	127			
PCB-17	26.6				PCB-57	ND		0.771	
PCB-18	50.3				PCB-58	ND	0.248		
PCB-19	19.7				PCB-61/70	230			
PCB-20/21/33	51.2				PCB-62	ND	0.328		
PCB-22	34.8				PCB-63	9.08			
PCB-23	ND	0.661			PCB-65	ND	0.315		
PCB-24/27	6.09			J	PCB-66/76	192			
PCB-25	13.1				PCB-67	5.48			
PCB-26	20.9				PCB-68	3.24			J
PCB-28	107				PCB-73	ND		0.513	
PCB-29	ND	0.676			PCB-74	83.7			
PCB-30	ND	0.308			PCB-77	30.0			
PCB-31	91.7				PCB-78	ND		0.742	
PCB-34	ND		1.15		PCB-79	4.49			
PCB-35	ND		2.35		PCB-80	ND	0.237		
PCB-36	ND	0.532			PCB-81	3.46			J
PCB-37	37.9				PCB-82	45.6			
PCB-38	1.82			J	PCB-83	ND	0.275		
PCB-39	ND	0.578			PCB-84/92	178			
PCB-40	31.8				PCB-85/116	62.9			
PCB-41/64/71/72	151				PCB-86	1.23			J
PCB-42/59	52.1				PCB-87/117/125	131			
PCB-43/49	164				PCB-88/91	66.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-106SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-10	Date Received:	26-Sep-2019 9:45
Project:	Gasco PDI	Sample Size:	15.1 g	QC Batch:	B9J0053	Date Extracted:	07-Oct-2019 11:35
Date Collected:	24-Sep-2019 15:05	% Solids:	37.0	Date Analyzed :	12-Oct-19 18:53	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		3.65		PCB-137	19.8			
PCB-90/101	444				PCB-138/163/164	461			
PCB-93	ND	0.472			PCB-139/149	419			
PCB-94	ND		3.88		PCB-140	4.63			
PCB-95/98/102	290				PCB-141	87.7			
PCB-96	4.21			J	PCB-142	ND	0.667		
PCB-97	108				PCB-144	21.9			
PCB-99	169				PCB-145	ND	0.211		
PCB-100	7.74				PCB-146/165	78.5			
PCB-103	7.91				PCB-147	14.0			
PCB-104	ND	0.303			PCB-148	ND		1.41	
PCB-105	135				PCB-150	ND		2.07	
PCB-106/118	321				PCB-151	137			
PCB-107/109	26.6				PCB-152	0.904			J
PCB-108/112	16.2				PCB-153	442			
PCB-110	413				PCB-154	12.3			
PCB-111/115	ND		6.05		PCB-155	0.420			J
PCB-113	ND	0.328			PCB-156	40.8			
PCB-114	7.95				PCB-157	9.31			
PCB-119	11.7				PCB-158/160	47.2			
PCB-120	ND		1.63		PCB-159	ND	0.397		
PCB-121	ND	0.286			PCB-166	1.75			J
PCB-122	ND		4.34		PCB-167	17.8			
PCB-123	ND		5.73		PCB-168	ND	0.463		
PCB-124	13.6				PCB-169	ND	0.459		
PCB-126	3.16			J	PCB-170	121			
PCB-127	ND	0.488			PCB-171	36.8			
PCB-128/162	72.3				PCB-172	20.4			
PCB-129	19.1				PCB-173	ND		2.55	
PCB-130	31.0				PCB-174	131			
PCB-131/133	ND		13.6		PCB-175	6.51			
PCB-132/161	125				PCB-176	16.7			
PCB-134/143	24.4				PCB-177	78.7			
PCB-135	69.1				PCB-178	31.5			
PCB-136	79.2				PCB-179	61.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-106SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-10
Project:	Gasco PDI	Sample Size:	15.1 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 15:05	% Solids:	37.0	QC Batch:	B9J0053
				Date Analyzed :	12-Oct-19 18:53 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	291				Total octaCB	255		273	
PCB-181	2.53			J	Total nonaCB	58.7		64.7	
PCB-182/187	175				DecaCB	52.6			
PCB-183	75.6				Total PCB	8520			
PCB-184	ND		0.695						
PCB-185	14.8								
PCB-186	ND	0.319							
PCB-188	ND		0.515						
PCB-189	ND		4.10						
PCB-190	26.0								
PCB-191	4.26			J					
PCB-192	ND	0.323							
PCB-193	16.3								
PCB-194	61.7								
PCB-195	27.0								
PCB-196/203	65.3								
PCB-197	3.39			J					
PCB-198	4.22			J					
PCB-199	74.2								
PCB-200	ND		8.58						
PCB-201	ND		9.67						
PCB-202	15.2								
PCB-204	ND	0.362							
PCB-205	3.62			J					
PCB-206	43.4								
PCB-207	ND		6.03						
PCB-208	15.3								
PCB-209	52.6								
Total monoCB	20.8								
Total diCB	143		148						
Total triCB	499		502						
Total tetraCB	1680		1690						
Total pentaCB	2460		2490						
Total hexaCB	2240		2250						
Total heptaCB	1110		1120						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: PDI-106SG-00-01-190924

EPA Method 1668C

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-10
Project:	Gasco PDI	Sample Size:	15.1 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 15:05	% Solids:	37.0	QC Batch:	B9J0053
				Date Analyzed :	12-Oct-19 18:53 Column: ZB-1
				Date Extracted:	07-Oct-2019 11:35

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	73.5	5 -145		13C-PCB-170	95.1	10 -145	
13C-PCB-3	76.3	5 -145		13C-PCB-180	94.4	10 -145	
13C-PCB-4	74.5	5 -145		13C-PCB-188	83.7	10 -145	
13C-PCB-11	86.3	5 -145		13C-PCB-189	90.5	10 -145	
13C-PCB-9	78.6	5 -145		13C-PCB-194	95.4	10 -145	
13C-PCB-19	93.0	5 -145		13C-PCB-202	94.6	10 -145	
13C-PCB-28	78.5	5 -145		13C-PCB-206	97.9	10 -145	
13C-PCB-32	101	5 -145		13C-PCB-208	108	10 -145	
13C-PCB-37	89.1	5 -145		13C-PCB-209	98.7	10 -145	
13C-PCB-47	77.9	5 -145		CRS 13C-PCB-79	92.8	10 -145	
13C-PCB-52	76.7	5 -145		13C-PCB-178	99.5	10 -145	
13C-PCB-54	67.9	5 -145					
13C-PCB-70	82.1	5 -145					
13C-PCB-77	89.7	10 -145					
13C-PCB-80	82.9	10 -145					
13C-PCB-81	90.0	10 -145					
13C-PCB-95	77.1	10 -145					
13C-PCB-97	86.5	10 -145					
13C-PCB-101	81.9	10 -145					
13C-PCB-104	76.6	10 -145					
13C-PCB-105	67.1	10 -145					
13C-PCB-114	68.3	10 -145					
13C-PCB-118	89.9	10 -145					
13C-PCB-123	91.1	10 -145					
13C-PCB-126	69.3	10 -145					
13C-PCB-127	68.4	10 -145					
13C-PCB-138	83.4	10 -145					
13C-PCB-141	82.4	10 -145					
13C-PCB-153	78.4	10 -145					
13C-PCB-155	73.8	10 -145					
13C-PCB-156	86.5	10 -145					
13C-PCB-157	87.4	10 -145					
13C-PCB-159	84.7	10 -145					
13C-PCB-167	85.9	10 -145					
13C-PCB-169	82.0	10 -145					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

The results are reported in dry weight. The sample size is reported in wet weight.
See individual congeners for qualifiers.

Sample ID: Method Blank					EPA Method 1699			
Matrix: Solid		QC Batch: B9J0002			Lab Sample: B9J0002-BLK1			
Sample Size: 1.00 g		Date Extracted: 01-Oct-2019 6:17			Date Analyzed: 23-Oct-19 21:12 Column: ZB-50			
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	5.31			IS 13C6-Lindane (gamma-BHC)	73.9	11 - 120	
Aldrin	ND	1.65			IS 13C12-Aldrin	62.8	5 - 120	
Oxychlordane	ND	5.68			IS 13C10-Oxychlordane	64.9	23 - 135	
trans-Chlordane (gamma)	ND	4.42			IS 13C10-trans-Chlordane (gamma)	67.9	21 - 132	
trans-Nonachlor	ND	4.39			IS 13C10-trans-Nonachlor	65.1	14 - 136	
cis-Chlordane (alpha)	ND	4.41			IS 13C12-2,4'-DDE	68.3	47 - 160	
2,4'-DDE	ND	4.48			IS 13C12-4,4'-DDE	67.4	47 - 160	
4,4'-DDE	ND	5.54			IS 13C12-Dieldrin	70.8	40 - 151	
Dieldrin	ND	2.93			IS 13C10-cis-Nonachlor	66.8	36 - 139	
cis-Nonachlor	ND	4.96			IS 13C12-2,4'-DDD	72.4	5 - 199	
2,4'-DDD	ND	8.21			IS 13C12-2,4'-DDT	53.1	5 - 199	
2,4'-DDT	ND	17.7			IS 13C12-4,4'-DDD	70.7	5 - 120	
4,4'-DDD	ND	8.60			IS 13C12-4,4'-DDT	51.1	5 - 120	
4,4'-DDT	ND	19.4						

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

The results are reported in dry weight.

The sample size is reported in wet weight.

Sample ID: OPR **EPA Method 1699**

Matrix: Solid	QC Batch: B9J0002	Lab Sample: B9J0002-BS1
Sample Size: 1.00 g	Date Extracted: 01-Oct-2019 6:17	Date Analyzed: 23-Oct-19 19:34 Column: ZB-50

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
Lindane (gamma-BHC)	1120	1000	112	50 - 120	IS 13C6-Lindane (gamma-BHC)	72.7	5 - 124
Aldrin	1120	1000	112	50 - 120	IS 13C12-Aldrin	61.8	5 - 126
Oxychlordane	1070	1000	107	50 - 120	IS 13C10-Oxychlordane	65.5	5 - 144
trans-Chlordane (gamma)	1090	1000	109	50 - 120	IS 13C10-trans-Chlordane (gamma)	68.7	15 - 144
trans-Nonachlor	1100	1000	110	50 - 120	IS 13C10-trans-Nonachlor	66.9	13 - 149
cis-Chlordane (alpha)	1090	1000	109	50 - 120	IS 13C12-2,4'-DDE	69.2	26 - 169
2,4'-DDE	1110	1000	111	24 - 123	IS 13C12-4,4'-DDE	67.6	26 - 169
4,4'-DDE	1120	1000	112	50 - 120	IS 13C12-Dieldrin	68.4	19 - 161
Dieldrin	1080	1000	108	50 - 120	IS 13C10-cis-Nonachlor	66.2	17 - 154
cis-Nonachlor	1090	1000	109	50 - 120	IS 13C12-2,4'-DDD	71.8	14 - 200
2,4'-DDD	1120	1000	112	50 - 120	IS 13C12-2,4'-DDT	54.8	14 - 200
2,4'-DDT	1190	1000	119	50 - 120	IS 13C12-4,4'-DDD	70.1	14 - 200
4,4'-DDD	1110	1000	111	42 - 120	IS 13C12-4,4'-DDT	53.7	13 - 200
4,4'-DDT	1080	1000	108	50 - 120			

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-103SG-00-01-190924

EPA Method 1699

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-07
Project:	Gasco PDI	Sample Size:	2.53 g	QC Batch:	B9J0002
Date Collected:	24-Sep-2019 14:30	% Solids:	44.6	Date Analyzed:	24-Oct-19 09:43
Location:	007			Column:	ZB-50
				Date Received:	26-Sep-2019 9:45
				Date Extracted:	01-Oct-2019 6:17

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	7.18			IS 13C6-Lindane (gamma-BHC)	82.1	11 - 120	
Aldrin	98.8				IS 13C12-Aldrin	28.7	5 - 120	
Oxychlordane	ND	37.0			IS 13C10-Oxychlordane	34.4	23 - 135	
trans-Chlordane (gamma)	2350				IS 13C10-trans-Chlordane (gamma)	35.6	21 - 132	
trans-Nonachlor	681				IS 13C10-trans-Nonachlor	42.9	14 - 136	
cis-Chlordane (alpha)	1970				IS 13C12-2,4'-DDE	52.3	47 - 160	
2,4'-DDE	494				IS 13C12-4,4'-DDE	43.3	47 - 160	H
4,4'-DDE	5170				IS 13C12-Dieldrin	53.8	40 - 151	
Dieldrin	185				IS 13C10-cis-Nonachlor	41.1	36 - 139	
cis-Nonachlor	165				IS 13C12-2,4'-DDD	16.9	5 - 199	
2,4'-DDD	6200				IS 13C12-2,4'-DDT	55.7	5 - 199	
2,4'-DDT	222				IS 13C12-4,4'-DDD	44.4	5 - 120	
4,4'-DDD	18100				IS 13C12-4,4'-DDT	57.9	5 - 120	
4,4'-DDT	1010							

DL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.

Sample ID: PDI-104SG-00-01-190924

EPA Method 1699

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-08
Project:	Gasco PDI	Sample Size:	2.88 g	QC Batch:	B9J0002
Date Collected:	24-Sep-2019 14:45	% Solids:	37.1	Date Analyzed:	23-Oct-19 22:53 Column: ZB-50
Location:	008				24-Oct-19 10:30 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	ND	7.45			IS 13C6-Lindane (gamma-BHC)	77.5	11 - 120	
Aldrin	181				IS 13C12-Aldrin	43.8	5 - 120	
Oxychlordane	ND	86.7			IS 13C10-Oxychlordane	33.4	23 - 135	
trans-Chlordane (gamma)	370				IS 13C10-trans-Chlordane (gamma)	36.5	21 - 132	
trans-Nonachlor	273				IS 13C10-trans-Nonachlor	41.1	14 - 136	
cis-Chlordane (alpha)	293				IS 13C12-2,4'-DDE	55.6	47 - 160	
2,4'-DDE	675				IS 13C12-4,4'-DDE	36.8	47 - 160	H
4,4'-DDE	9550				IS 13C12-Dieldrin	88.4	40 - 151	D
Dieldrin	ND		299	D	IS 13C10-cis-Nonachlor	43.4	36 - 139	
cis-Nonachlor	ND	75.6			IS 13C12-2,4'-DDD	15.4	5 - 199	
2,4'-DDD	7150				IS 13C12-2,4'-DDT	60.6	5 - 199	
2,4'-DDT	1280				IS 13C12-4,4'-DDD	59.8	5 - 120	
4,4'-DDD	19400				IS 13C12-4,4'-DDT	60.7	5 - 120	
4,4'-DDT	4830							

DL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.

Sample ID: PDI-105SG-00-0.99-190924

EPA Method 1699

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-09
Project:	Gasco PDI	Sample Size:	2.21 g	QC Batch:	B9J0002
Date Collected:	24-Sep-2019 14:00	% Solids:	48.1	Date Analyzed:	23-Oct-19 23:42 Column: ZB-50
Location:	009				25-Oct-19 13:30 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	141				IS 13C6-Lindane (gamma-BHC)	81.2	11 - 120	
Aldrin	85.8				IS 13C12-Aldrin	57.3	5 - 120	
Oxychlordane	ND	113			IS 13C10-Oxychlordane	43.5	23 - 135	
trans-Chlordane (gamma)	1120			D	IS 13C10-trans-Chlordane (gamma)	75.5	21 - 132	D
trans-Nonachlor	338				IS 13C10-trans-Nonachlor	47.4	14 - 136	
cis-Chlordane (alpha)	728				IS 13C12-2,4'-DDE	64.3	47 - 160	
2,4'-DDE	301				IS 13C12-4,4'-DDE	49.9	47 - 160	
4,4'-DDE	4170				IS 13C12-Dieldrin	59.1	40 - 151	
Dieldrin	ND	81.9			IS 13C10-cis-Nonachlor	47.2	36 - 139	
cis-Nonachlor	ND	141			IS 13C12-2,4'-DDD	47.0	5 - 199	
2,4'-DDD	3530				IS 13C12-2,4'-DDT	70.0	5 - 199	
2,4'-DDT	1400				IS 13C12-4,4'-DDD	72.1	5 - 120	
4,4'-DDD	9810				IS 13C12-4,4'-DDT	94.1	5 - 120	D
4,4'-DDT	133000			D				

DL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.

Sample ID: PDI-106SG-00-01-190924

EPA Method 1699

Client Data		Sample Data		Laboratory Data	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	1903285-10
Project:	Gasco PDI	Sample Size:	2.77 g	Date Received:	26-Sep-2019 9:45
Date Collected:	24-Sep-2019 15:05	% Solids:	37.0	QC Batch:	B9J0002
Location:	010			Date Analyzed:	24-Oct-19 12:09 Column: ZB-50

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
Lindane (gamma-BHC)	5.63			J	IS 13C6-Lindane (gamma-BHC)	82.2	11 - 120	
Aldrin	143				IS 13C12-Aldrin	58.9	5 - 120	
Oxychlordane	ND	38.1			IS 13C10-Oxychlordane	50.7	23 - 135	
trans-Chlordane (gamma)	332				IS 13C10-trans-Chlordane (gamma)	43.8	21 - 132	
trans-Nonachlor	215				IS 13C10-trans-Nonachlor	46.1	14 - 136	
cis-Chlordane (alpha)	233				IS 13C12-2,4'-DDE	56.6	47 - 160	
2,4'-DDE	521				IS 13C12-4,4'-DDE	45.0	47 - 160	H
4,4'-DDE	6370				IS 13C12-Dieldrin	58.4	40 - 151	
Dieldrin	125				IS 13C10-cis-Nonachlor	49.2	36 - 139	
cis-Nonachlor	89.8				IS 13C12-2,4'-DDD	65.6	5 - 199	
2,4'-DDD	6200				IS 13C12-2,4'-DDT	65.8	5 - 199	
2,4'-DDT	152				IS 13C12-4,4'-DDD	71.9	5 - 120	
4,4'-DDD	17700				IS 13C12-4,4'-DDT	64.4	5 - 120	
4,4'-DDT	2010							

DL - Sample specific estimated detection limit
 EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit
 The results are reported in dry weight.
 The sample size is reported in wet weight.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
TEQ	Toxic Equivalency
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	19-013-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-23
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2018017
Massachusetts Department of Environmental Protection	N/A
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	1521520
New Hampshire Environmental Accreditation Program	207718-B
New Jersey Department of Environmental Protection	190001
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-010
Pennsylvania Department of Environmental Protection	016
Texas Commission on Environmental Quality	T104704189-19-10
Vermont Department of Health	VT-4042
Virginia Department of General Services	10272
Washington Department of Ecology	C584-19
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613/1613B
1,4-Dioxane (1,4-Diethyleneoxide) analysis by GC/HRMS	EPA 522
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: VISTA-20190924-170421
Sample Custodian: BJ
Lab: VISTA

POC: # Delaney Peterson (360-715-2707)
 1605 Cornwall Avenue, Bellingham, WA 98225
Project: Gasco PDI
Client: NW Natural

1903285 2.8°C

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	PDI-014SG-00-0.78-190923	N	SE	09/23/2019	17:05	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
002	PDI-1014SG-00-0.78-190923	FD	SE	09/23/2019		1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
003	PDI-015SG-00-0.87-190924	N	SE	09/24/2019	11:19	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
004	PDI-022SG-00-01-190924	N	SE	09/24/2019	13:00	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
005	PDI-101SG-00-01-190923	N	SE	09/23/2019	13:35	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
006	PDI-102SG-00-01-190923	N	SE	09/23/2019	15:05	1	<input checked="" type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: D. Peterson	Print Name: Marissa Sparks	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: Val	Company:	Company:	Company:	Company:
Date/Time: 9.25.19 1000	Date/Time: 09/23/19 0945	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: # Delaney Peterson (360-715-2707)
1605 Cornwall Avenue, Bellingham, WA 98225

Project: Gasco PDI
Client: NW Natural

1903285

COC ID: VISTA-20190924-170421
Sample Custodian: BJ
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
006	PDI-102SG-00-01-190923	N	SE	09/23/2019	15:05	1	<input checked="" type="checkbox"/>	PCB Congeners Total solids (VISTA)	E1668A SM2540G	30 30	4°C 4°C
007	PDI-103SG-00-01-190924	N	SE	09/24/2019	14:30	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides PCB Congeners Total solids (VISTA)	E1613B SW8081B E1668A SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
008	PDI-104SG-00-01-190924	N	SE	09/24/2019	14:45	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides PCB Congeners Total solids (VISTA)	E1613B SW8081B E1668A SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
009	PDI-105SG-00-0.99-190924	N	SE	09/24/2019	14:00	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides PCB Congeners Total solids (VISTA)	E1613B SW8081B E1668A SM2540G	30 30 30 30	4°C 4°C 4°C 4°C
010	PDI-106SG-00-01-190924	N	SE	09/24/2019	15:05	1	<input type="checkbox"/>	Dioxin/Furans HR Pesticides PCB Congeners	E1613B SW8081B E1668A	30 30 30	4°C 4°C 4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: <i>D. Peterson</i>	Print Name: <i>Miss Sparkle</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>AO</i>	Company: <i>VSL</i>	Company:	Company:	Company:	Company:
Date/Time: <i>9.25.19 1000</i>	Date/Time: <i>09/26/19 0945</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

POC: # Delaney Peterson (360-715-2707)
 1605 Cornwall Avenue, Bellingham, WA 98225

Project: Gasco PDI
Client: NW Natural

1903285

COC ID: VISTA-20190924-170421
Sample Custodian: BJ
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
010	PDI-106SG-00-01-190924	N	SE	09/24/2019	15:05	1	<input type="checkbox"/>				
Total solids (VISTA)									SM2540G	30	4°C

Comment:							
Relinquished By:		Received By:		Relinquished By:		Received By:	
Signature	Signature	Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
9/25/19 1000	09/26/19 0945						

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1903285

TAT std

Samples Arrival:	Date/Time <u>09/26/19 0945</u>	Initials: <u>WWS</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>N/A</u>
Logged In:	Date/Time <u>09/26/19 1016</u>	Initials: <u>WWS</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>D-4</u>
Delivered By:	<u>FedEx</u> UPS	On Trac	GSO
		DHL	Hand Delivered
		Other	
Preservation:	<u>Ice</u>	Blue Ice	Dry Ice
	None		
Temp °C: <u>2.8</u> (uncorrected)	Probe used: Y / <u>N</u>		Thermometer ID: <u>IR-4</u>
Temp °C: <u>2.8</u> (corrected)			

	YES	NO	NA
Adequate Sample Volume Received?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Airbill	Trk # <u>7763 3881 7036</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC Anomaly/Sample Acceptance Form completed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Preservation Documented:	Na ₂ S ₂ O ₃	Trizma	None
	Other		
	Yes	No	<u>NA</u>
Shipping Container	Vista	<u>Client</u>	Retain
			<u>Return</u>
			Dispose

Comments:

EXTRACTION INFORMATION

Process Sheet
Workorder: 1903285

Prep Expiration: 2020-09-22
 Client: Anchor QEA, LLC

Workorder Due: 24-Oct-19 00:00
 TAT: 28

Method: **1613 Full List**
 Matrix: **Solid**
 Client Matrix: **Sediment**
 Also run: **Percent Solids**

Prep Batch: B9J0001

Prep Data Entered: ll 10/03/19
Date and Initials

Initial Sequence: S9J0005

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments	
1903285-01	A	<input checked="" type="checkbox"/> PDI-014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4		
1903285-02	J	<input checked="" type="checkbox"/> PDI-1014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4		
1903285-03		<input checked="" type="checkbox"/> PDI-015SG-00-0.87-190924	26-Sep-19 09:45	WR-2 D-4		
1903285-04		<input checked="" type="checkbox"/> PDI-022SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4		
1903285-05		<input checked="" type="checkbox"/> PDI-101SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4		
1903285-06		A	<input checked="" type="checkbox"/> PDI-102SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-07		<input checked="" type="checkbox"/> PDI-103SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4		
1903285-08		<input checked="" type="checkbox"/> PDI-104SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4		
1903285-09		<input checked="" type="checkbox"/> PDI-105SG-00-0.99-190924	26-Sep-19 09:45	WR-2 D-4		
1903285-10		<input checked="" type="checkbox"/> PDI-106SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4		

10g (dry weight) extraction

(du) 10/01/19

Pre-Prep Check Out: AO 09/30/19
 Pre-Prep Check In: AO 09/30/19

Prep Check Out: DF 10/01/19
 Prep Check In: 10/01/19

Prep Reconciled Initials/Date: AO 09/30/19
 Spike Reconciled Initials/Date: DF 10/01/19
 VialBoxID: Prion

PREPARATION BENCH SHEET

Matrix: Solid

B9J0001

Chemist: DF

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 01-Oct-19 06:09

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B9J0001-BLK1	NA	(10.00)	D# HR 10/01/19	TL 10/02/19	TL 10/02/19	TL 10/02/19	TL 10/02/19	TL 10/03/19	TL 10/03/19
<input type="checkbox"/>	B9J0001-BS1	J	(10.00)	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-01	18.72	18.99	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-02	18.04	18.61	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-03	15.94	16.03	T	T	↓	T	T	T	T
<input type="checkbox"/>	1903285-04	16.96	17.00	T	T	NA	T	T	T	T
<input type="checkbox"/>	1903285-05	26.85	26.90	T	T	TL 10/02/19	T	T	T	T
<input type="checkbox"/>	1903285-06	24.29	24.59	T	T	NA	T	T	T	T
<input type="checkbox"/>	1903285-07	22.93	22.71	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-08	26.98	27.03	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-09	20.80	20.16	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-10	27.03	27.16	✓	✓	↓	✓	✓	↓	↓

IS Name <u>V3</u>	NS Name <u>V6</u>	CRS Name <u>V1</u>	RS Name <u>1</u>	Cycle Time	APP: SEFUN <u>SOX</u> <u>SDS</u>	Check Out: <u>DF 10/01/19</u>
PCDD/F <u>19C1902, 10ml</u>	PCDD/F <u>18F193, 10ml</u>	PCDD/F <u>18J1001, 10ml</u>	PCDD/F <u>18J1002, 10ml</u>	Start Date/Time	SOLV: <u>Toluene</u>	Check In: <u>DF 10/01/19</u>
PCB	PCB	PCB	PCB	<u>10/01/19</u>	Other <u>N/A</u>	Balance ID: <u>HRMS-9</u>
PAH	PAH	PAH	PAH	<u>14:11</u> Stop Date/Time	Final Volume(s) <u>20ml</u>	
				<u>10/02/19</u>	<u>C14</u>	

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9I0288

Analyst: AO Analyte: _____ Oven ID: 01 02	Test Code: %Moist/%Solids Units: % Dried at 110°C+/-5°C	Data Entry Verified by: (Initial and Date) _____
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Inst HRMS-10 Date/Time IN: 9/30/19 14:00 Date/Time OUT: 10/1/19 5:44

Particle Size	SampID	SampType	E		G		H	I	K	L	M	N	O	P							
			Intial and Date:	AO 09/30/19	DF 10/01/19	Dry Sample Weight (g)									%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)																
	1903285-01	Sample	1.2400	5.7900	3.6700	2.4300	53.41	Mud	NA	NA	NA	NA	NA	X							
	1903285-02	Sample	1.2400	7.5000	4.7100	3.4700	55.43	Mud	NA	NA	NA	NA	NA	X							
	1903285-03	Sample	1.2500	9.3500	6.3300	5.0800	62.72	Mud	NA	NA	NA	NA	NA	X							
	1903285-04	Sample	1.2200	7.7000	5.0400	3.8200	58.95	Mud	NA	NA	NA	NA	NA	X							
	1903285-05	Sample	1.2300	6.0100	3.0100	1.7800	37.24	Mud	NA	NA	NA	NA	NA	X							
	1903285-06	Sample	1.2500	6.3500	3.3500	2.1000	41.18	Mud	NA	NA	NA	NA	NA	X							
	1903285-07	Sample	1.2500	7.0600	3.8400	2.5900	44.58	Mud	NA	NA	NA	NA	NA	X							
	1903285-08	Sample	1.2400	5.5300	2.8300	1.5900	37.06	Mud	NA	NA	NA	NA	NA	X							
	1903285-09	Sample	1.2200	7.9400	4.4500	3.2300	48.07	Mud	NA	NA	NA	NA	NA	X							
	1903285-10	Sample	1.2400	7.9700	3.7300	2.4900	37.00	Mud	NA	NA	NA	NA	NA	X							

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B910288

Analyst: <u>AO</u>	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>NA</u>
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: <u>01</u> 02		

Inst HRMS-10

Date/Time IN: 09/30/19 Date/Time OUT: 10/01/19
1:40 05:44

*DF 10/01/19

Particle Size	SampID	SampType	Initial and Date:		Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)									
	1903285-01	Sample	1.24	5.79	3.67		MWD						X
	1903285-02	Sample	1.24	7.50	4.71		* ↓						X
	1903285-03	Sample	1.25	9.35	6.33								X
	1903285-04	Sample	1.22	7.70	5.04								X
	1903285-05	Sample	1.23	6.01	3.01								X
	1903285-06	Sample	1.25	6.35	3.35								X
	1903285-07	Sample	1.25	7.06	3.89								X
	1903285-08	Sample	1.24	5.53	2.83								X
	1903285-09	Sample	1.22	7.94	4.45								X
	1903285-10	Sample	1.24	7.97	3.73								X

*Sample homogenized in sample container unless otherwise noted.

Batch: B9J0001

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903285-01	18.99 ✓	53.4066	10.1419	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-02	18.61 ✓	55.43131	10.3158	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-03	16.03 ✓	62.71605	10.0534	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-04	17 ✓	58.95062	10.0216	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-05	26.9 ✓	37.23849	10.0172	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-06	24.59 ✓	41.17647	10.1253	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-07	22.71 ✓	44.57831	10.1237	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-08	27.03 ✓	37.06293	10.0181	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-09	20.16 ✓	48.06547	9.6900	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
1903285-10	27.16 ✓	36.99852	10.0488	20	01-Oct-19 06:09	DFO			Sediment	1613 Full List
B9J0001-BLK1	10			20	01-Oct-19 06:09	DFO				QC
B9J0001-BS1	10			20	01-Oct-19 06:09	DFO	18F1913 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) *W* 10/03/19
 Work Order 1903285 Revision 1

Process Sheet
 Workorder: **1903285**

RX
 @ 10/02/19

Prep Expiration: 2020-09-22
 Client: Anchor QEA, LLC

Workorder Due: **24-Oct-19 00:00**

TAT: 28

Method: **1613 Full List**
 Matrix: **Solid**
 Client Matrix: Sediment
 Also run: **Percent Solids**

Prep Batch: B9J0052

Prep Data Entered: DF10/14/19
Date and Initials

Initial Sequence: S950035

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1903285-01	<input type="checkbox"/>	PDI-014SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-02	<input type="checkbox"/>	PDI-034SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-03	<input type="checkbox"/>	PDI-015SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-04	<input type="checkbox"/>	PDI-022SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-05	<input type="checkbox"/>	PDI-034SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-06	<input checked="" type="checkbox"/>	PDI-102SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	Dup
1903285-07	<input type="checkbox"/>	PDI-103SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-08	<input type="checkbox"/>	PDI-104SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-09	<input type="checkbox"/>	PDI-105SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-10	<input type="checkbox"/>	PDI-106SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	

WO Comments: ~~Test - 1g extraction (dry weight)~~
Dioxin - 10g (dry weight)
~~Test - 5g extraction (dry weight)~~

Pre-Prep Check Out: NA
 Pre-Prep Check In: NA

Prep Check Out: FL 10/07/19
 Prep Check In: FL 10/07/19

Prep Reconciled Initials/Date: TL 10/07/19
 Spike Reconciled Initials/Date: ZE 10/07/19
 VialBoxID: Dragon Ball Z

PREPARATION BENCH SHEET

Matrix: Solid

B9J0052

Chemist: TL

Method: 1613 Full List
Method: 1613 2.3.7.8s Only

Prepared using: HRMS - Soxhlet

Prep Date/Time: 07-Oct-19 10:14

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B9J0052-BLK1	NA	(10.00)	TL 10/07/19	DF HN 10/08/19	NA	DF 10/08/19	DF 10/08/19	DF 10/08/19	DF DO 10/09/19
<input type="checkbox"/>	B9J0052-BS1		(10.00)	T	T					T
<input type="checkbox"/>	B9J0052-DUP1 1903285-06RE1	24.29	24.54	T	T					T
<input type="checkbox"/>	1903241-01	32.34	32.22	T	T					T
<input type="checkbox"/>	1903285-06RE1	24.29	24.72	T	T					T
<input checked="" type="checkbox"/>	1903285-06RE1		24.54	T	T					T
<input type="checkbox"/>	1903397-01	10.39	10.44	T	DF HN 10/08/19	NA	DF 10/08/19	DF 10/08/19	DF 10/08/19	DF DO 10/09/19
<input type="checkbox"/>	1903397-02	13.90	14.20	T	T					T
<input type="checkbox"/>	1903442-01	33.72	34.00	T	T					T

Ⓐ 24.29 DF 10/08/19

Ⓑ TL 10/07/19 Element generated duplicate

IS Name	NS Name	CRS Name	RS Name	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out:
PCDD/F <u>19C 190210uL</u>	PCDD/F <u>18F 191310uL</u>	PCDD/F <u>12J1001, 10uL</u>	PCDD/F <u>19 I1603, 10uL</u>	Start Date/Time <u>10/07/19 15:31</u>	SOLV: <u>h1</u>	Chemist/Date: <u>TL 10/07/19</u>
PCB	PCB	PCB	PCB	Stop Date/Time <u>10/08/19</u>	Other <u>NA</u>	Check In:
PAH	PAH	PAH	PAH	Final Volume(s) <u>C₁₄</u>	<u>20uL</u>	Chemist/Date: <u>TL 10/07/19</u>
						Balance ID: <u>HRMS-8</u>

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist

Batch: B9J0052

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903241-01	32.22 ✓	31.90578	10.2800	20	07-Oct-19 10:14	TL			Soil	1613 Full List
1903285-06RE1	24.72 ✓	41.17647	10.1788	20	07-Oct-19 10:14	TL			Sediment	1613 2,3,7,8s Only
1903285-06RE1	24.72 ✓	41.17647	10.1788	20	07-Oct-19 10:14	TL			Sediment	1613 Full List
1903397-01	10.44 ✓	96.20254	10.0435	20	07-Oct-19 10:14	TL			Soil	1613 2,3,7,8s Only
1903397-02	14.2 ✓	71.95767	10.2180	20	07-Oct-19 10:14	TL			Soil	1613 2,3,7,8s Only
1903442-01	34 ✓	29.65879	10.0840	20	07-Oct-19 10:14	TL			Soil	1613 Full List
B9J0052-BLK1	10 ✓			20	07-Oct-19 10:14	TL				QC
B9J0052-BS1	10 ✓			20	07-Oct-19 10:14	TL	18F1913	10 ✓		QC
B9J0052-DUP1	24.54 ✓			20	07-Oct-19 10:14	TL				QC

All bolded data on report verified against written benchsheet by (initial/date) TL 10/15/19

Printed: 10/15/2019 2:40:05PM
Page 1 of 1

Process Sheet
Workorder: 1903285

Prep Expiration: 2020-09-22
 Client: Anchor QEA, LLC

Workorder Due: 24-Oct-19 00:00

TAT: 28

Method: **1668C Full List**
 Matrix: **Solid**
 Client Matrix: **Sediment**
 Also run: **Percent Solids**

Prep Batch: B9J0053

Prep Data Entered: AZ 10/10/19
Date and Initials

Initial Sequence: S9J0024

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1903285-01A ✓	<input checked="" type="checkbox"/>	PDI-014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-02A ✓	<input checked="" type="checkbox"/>	PDI-1014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-03A ✓	<input checked="" type="checkbox"/>	PDI-015SG-00-0.87-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-04A ✓	<input checked="" type="checkbox"/>	PDI-022SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-05A ✓	<input checked="" type="checkbox"/>	PDI-101SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-06A ✓	<input checked="" type="checkbox"/>	PDI-102SG-00-01-190923	26-Sep-19 09:45	WR-2 D-4	Dup.
1903285-07A ✓	<input checked="" type="checkbox"/>	PDI-103SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-08A ✓	<input checked="" type="checkbox"/>	PDI-104SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-09A ✓	<input checked="" type="checkbox"/>	PDI-105SG-00-0.99-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-10A ✓	<input checked="" type="checkbox"/>	PDI-106SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	

Sg (dry weight) extraction

Ⓟ 10/01/19

Pre-Prep Check Out: NA
 Pre-Prep Check In: NA

Prep Check Out: TL 10/07/19
 Prep Check In: TL 10/07/19

Prep Reconciled Initials/Date: TL 10/07/19
 Spike Reconciled Initials/Date: TL 10/07/19
 VialBoxID: Air Ba200Ks

PREPARATION BENCH SHEET

Matrix: Solid

B9J0053

Chemist: TL

Method: 1668C Full List
Method: 1668C Totals Only

Prepared using: HRMS - Soxhlet

Prep Date/Time: 07-Oct-19 11:35

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B9J0053-BLK1	10	(10.00)	TL 10/07/19	AO 10/08/19	AO 10/08/19	AZ 10/09/19	NA	NA	AZ 10/09/19
<input type="checkbox"/>	B9J0053-BS1	4	(10.00)	T	T	T	T	T	T	T
<input type="checkbox"/>	B9J0053-DUP1 1903285-06	12.14	13.41	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-01 (A)	9.36	10.24	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-02 (A)	9.02	10.06	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-03 (A)	7.97	9.43	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-04	8.48	9.44	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-05	13.43	15.70	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-06	8.14	16.15	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-07 (A)	11.22	12.07 13.41 TL 10/07/19	T	T	V	T	T	T	T
<input type="checkbox"/>	1903285-08	13.49	15.86 17.07 TL 10/07/19	T	T	NA	T	T	T	T
<input type="checkbox"/>	1903285-09 (A)	10.40	15.86 17.73 TL 10/07/19	T	T	AO 10/08/19	T	T	T	T
<input type="checkbox"/>	1903285-10	13.51	15.08	T	T	T	T	T	T	T
<input type="checkbox"/>	1903388-01 (D)	14.19	14.28	T	T	T	T	T	T	T

IS Name <u>V4</u>	NS Name <u>V3</u>	CRS Name <u>V3</u>	RS Name <u>V3</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>TL 10/07/19</u>
PCDD/F	PCDD/F	PCDD/F	PCDD/F	Start Date/Time	SOLV: <u>Toluene</u>	Check In: Chemist/Date: <u>TL 10/07/19</u>
PCB <u>19B2601 10uL</u>	PCB <u>19B2602 10uL</u>	PCB <u>19B2603 10uL</u>	PCB <u>19B2604 10uL</u>	<u>10/07/19 1618</u>	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>
PAH	PAH	PAH	PAH	Stop Date/Time	Final Volume(s) <u>100uL</u>	
				<u>10/08/19 088</u>	<u>CA</u>	

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist

(A) Dirty columns AZ 10/09/19
(B) ppt formed during FU; 1:10 dilution AZ 10/09/19

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B910288

Analyst: AO	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) DF 10/10/19
Analyte:	Units: %	
Dried at 110°C+/-5°C		
Oven ID: 01 02		

Inst HRMS-10 Date/Time IN: 9/30/19 14:00 Date/Time OUT: 10/1/19 5:44

Particle Size	SampID	SampType	Initial and Date:	F		H		K			N		P
			AO 09/30/19	DF 10/01/19		Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*
	1903285-01	Sample	1.2400	5.7900	3.6700	2.4300	53.41	Mud	NA	NA	NA	NA	X
	1903285-02	Sample	1.2400	7.5000	4.7100	3.4700	55.43	Mud	NA	NA	NA	NA	X
	1903285-03	Sample	1.2500	9.3500	6.3300	5.0800	62.72	Mud	NA	NA	NA	NA	X
	1903285-04	Sample	1.2200	7.7000	5.0400	3.8200	58.95	Mud	NA	NA	NA	NA	X
	1903285-05	Sample	1.2300	6.0100	3.0100	1.7800	37.24	Mud	NA	NA	NA	NA	X
	1903285-06	Sample	1.2500	6.3500	3.3500	2.1000	41.18	Mud	NA	NA	NA	NA	X
	1903285-07	Sample	1.2500	7.0600	3.8400	2.5900	44.58	Mud	NA	NA	NA	NA	X
	1903285-08	Sample	1.2400	5.5300	2.8300	1.5900	37.06	Mud	NA	NA	NA	NA	X
	1903285-09	Sample	1.2200	7.9400	4.4500	3.2300	48.07	Mud	NA	NA	NA	NA	X
	1903285-10	Sample	1.2400	7.9700	3.7300	2.4900	37.00	Mud	NA	NA	NA	NA	X

*Sample homogenized in sample container unless otherwise noted.

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903285-01	10.24	53.4066	5.4688	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-02	10.06	55.43131	5.5764	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-03	9.43	62.71605	5.9141	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-04	9.44	58.95062	5.5649	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-05	15.7	37.23849	5.8464	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-06	16.15			100	07-Oct-19 11:35	TL			Sediment	1668C Totals Only
1903285-06	16.15	41.17647	6.6500	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-07	12.07	44.57831	5.3806	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-08	15.86	37.06293	5.8782	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-09	11.73	48.06547	5.6381	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903285-10	15.08	36.99852	5.5794	100	07-Oct-19 11:35	TL			Sediment	1668C Full List
1903388-01	14.28	70.46512	10.0624	100	07-Oct-19 11:35	TL			Solid	1668C Totals Only
B9J0053-BLK1	10			100	07-Oct-19 11:35	TL				QC
B9J0053-BS1	10			100	07-Oct-19 11:35	TL	19B2602	10		QC
B9J0053-DUP1	13.41	41.17647	5.5218	100	07-Oct-19 11:35	TL				QC

Sample method not run in this batch AZ 10/10/19

Process Sheet
 Workorder: **1903285**

RX (h) 10/16/19

Prep Expiration: 2020-09-22
 Client: Anchor QEA, LLC

Workorder Due: **24-Oct-19 00:00**

TAT: 28

Method: **1668C Full List**
 Matrix: **Solid**
 Client Matrix: Sediment
 Also run: **Percent Solids**

Prep Batch: B76219

Prep Data Entered: AO 10/23/19
Date and Initials

Initial Sequence: S950072

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1903285-01	<input checked="" type="checkbox"/>	PDI-014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-02	<input checked="" type="checkbox"/>	PDI-1014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-03	<input checked="" type="checkbox"/>	PDI-015SG-00-0.87-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-04	<input type="checkbox"/>	PDI-0023SG-00-0.78-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-05	<input type="checkbox"/>	PDI-1014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-06	<input type="checkbox"/>	PDI-1023SG-00-0.78-190924	26-Sep-19 09:45	WR-2 D-4	Dup
1903285-07	<input type="checkbox"/>	PDI-1023SG-00-0.78-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-08	<input type="checkbox"/>	PDI-1014SG-00-0.78-190923	26-Sep-19 09:45	WR-2 D-4	
1903285-09	<input type="checkbox"/>	PDI-1023SG-00-0.87-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-10	<input type="checkbox"/>	PDI-1023SG-00-0.78-190924	26-Sep-19 09:45	WR-2 D-4	

1g, 2x spike

(h) 10/16/19

WO Comments: ~~Post 4g extraction (dry weight)~~
~~Biotin 10g (dry weight)~~
~~ROB 5g extraction (dry weight)~~

Pre-Prep Check Out: NA
 Pre-Prep Check In: NA

Prep Check Out: AZ 10/21/19
 Prep Check In: AZ 10/21/19

Prep Reconciled Initials/Date: AZ 10/21/19
 Spike Reconciled Initials/Date: AO 10/21/19
 VialBoxID: Motor breath

PREPARATION BENCH SHEET

Matrix: Solid

B9J0219

Chemist: AZ

Method: 1668C Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 21-Oct-19 08:15

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B9J0219-BLK1	NA	(1.00)	10/21/19	10/22/19	NA	10/22/19	NA	NA	10/23/19
<input type="checkbox"/>	B9J0219-BS1	NA	(1.00)	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-01RE1	1.87	1.88	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-02RE1	1.80	1.74	T	T	T	T	T	T	T
<input type="checkbox"/>	1903285-03RE1	1.59	1.55	T	T	T	T	T	T	T

Ⓐ 1:20 dil made 10/23/19

IS Name <u>2x</u> <u>3</u>	NS Name <u>2x</u> <u>3</u>	CRS Name <u>2x</u> <u>VS</u>	RS Name <u>2x</u> <u>3</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: Chemist/Date: <u>10/21/19</u>
PCDD/F	PCDD/F	PCDD/F	PCDD/F	Start Date/Time <u>10/21/19</u> <u>14:33</u>	SOLV: <u>Tol</u>	Check In: Chemist/Date: <u>10/21/19</u>
PCB <u>19B2601, 20ul</u>	PCB <u>19B2602, 20ul</u>	PCB <u>19B2603, 20ul</u>	PCB <u>19B2604, 20ul</u>	Stop Date/Time <u>10/22/19</u> <u>0634</u>	Other <u>NA</u> <u>10/22/19</u> <u>AZ</u> <u>10/21/19</u> <u>4+C9</u>	Balance ID: <u>HRMS-8</u>
PAH	PAH	PAH	PAH		Final Volume(s) <u>20ul</u> <u>100ul</u>	

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist

Batch: B9J0219

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903285-01RE1	1.88	53.4066	1.0040	100	21-Oct-19 08:15	AZK			Sediment	1668C Full List
1903285-02RE1	1.74	55.43131	0.9645	100	21-Oct-19 08:15	AZK			Sediment	1668C Full List
1903285-03RE1	1.55	62.71605	0.9721	100	21-Oct-19 08:15	AZK			Sediment	1668C Full List
B9J0219-BLK1	1			100	21-Oct-19 08:15	AZK				QC
B9J0219-BS1	1			100	21-Oct-19 08:15	AZK	19B2602	20		QC

All bolded data on report verified against written benchsheet by (initial/date) AO 10/23/19
Work Order 1903285 Revision 1

Process Sheet
Workorder: 1903285

Prep Expiration: 2020-09-23
 Client: Anchor QEA, LLC

Workorder Due: 24-Oct-19 00:00

TAT: 28

Method: **1699 Full List**
 Matrix: **Solid**
 Client Matrix: **Sediment**
 Also run: **Percent Solids**

Prep Batch: B9J0002

Prep Data Entered: DF 10/03/19
Date and Initials

Initial Sequence: S950049

LabSampleID	Recon ClientSampleID	Date Received	Location	Comments
1903285-07	<input checked="" type="checkbox"/> PDI-103SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-08	<input checked="" type="checkbox"/> PDI-104SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-09	<input checked="" type="checkbox"/> PDI-105SG-00-0.99-190924	26-Sep-19 09:45	WR-2 D-4	
1903285-10	<input checked="" type="checkbox"/> PDI-106SG-00-01-190924	26-Sep-19 09:45	WR-2 D-4	

1g (dry weight) extraction
 (2) 10/01/19

Pre-Prep Check Out: DF 10/01/19
 Pre-Prep Check In: DF 10/01/19

Prep Check Out: NA
 Prep Check In: NA

Prep Reconciled Initials/Date: DF 10/01/19
 Spike Reconciled Initials/Date: _____
 VialBoxID: 070MA

PREPARATION BENCH SHEET

Matrix: Solid

B9J0002

Chemist: DF

Method: 1699 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 01-Oct-19 06:17

C	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS CHEM/WIT DATE	AP CHEM/ DATE	ABSG CHEM/ DATE	Charcoal -AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
<input type="checkbox"/>	B9J0002-BLK1	NA	(1.00)	DF 10/01/19	NA	NA	DF 10/02/19	DF 10/02/19	DF 10/02/19	DF 10/02/19
<input type="checkbox"/>	B9J0002-BS1	↓	(1.00)	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903285-07 (A)	2.24	2.53	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903285-08 (A)	2.70	2.88	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903285-09	2.08	2.21	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903285-10	2.70	2.77	↓	↓	↓	↓	↓	↓	↓

(A) Sample had tan color at FV. 1:20 dilution made DF 10/02/19

IS Name <u>V7</u>	NS Name <u>V0</u>	CRS Name	RS Name <u>V7</u>	Cycle Time	APP: SEFUN <u>SOX</u> <u>SDS</u>	Check Out: <u>DF 10/01/19</u>
PCDD/F	PCDD/F	PCDD/F	PCDD/F	Start Date/Time	SOLV: <u>70/30 Hex: Ethyl Acetate</u>	Chemist/Date: <u>DF 10/01/19</u>
PCB	PCB	PCB	PCB	<u>10/01/19</u>	Other <u>NA</u>	Check In: <u>DF 10/01/19</u>
PAH	PAH	PAH	PAH	14:11 Stop Date/Time	Final Volume(s) <u>20 mL</u>	Balance ID: <u>HRMS-9</u>
<u>164: 180/160L, 10mL</u>	<u>18A2304, 10mL</u>	<u>NA</u>	<u>180/1603, 10mL</u>	<u>10/02/19</u>	<u>Ca</u>	

Comments:

- 1 = Sample approached dryness on rotovap
- 2 = Sample bumped on rotovap; lost < 5%
- 3 = Sample poured through Na2SO4 to remove water
- 4 = Precipitate present at Final Volume
- 5 = Sample homogenized in secondary container
- 6 = Sample clogged during extraction; pipetted and used Nitrogen to assist

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9I0288

Analyst: AO	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <i>JF 10/01/19</i>
Analyte:	Units: %	
Dried at 110°C±5°C		
Oven ID: 01 02		

Inst HRMS-10 Date/Time IN: 9/30/19 14:00 Date/Time OUT: 10/1/19 5:44

B	C	D	E		F		G	H	I	K	L	M	N	O	P
Particle Size	SampID	SampType	Initial and Date:		Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*	
			Pan Tare Wt. (gms)	AO 09/30/19											DF 10/01/19
	1903285-01	Sample	1.2400 ✓		5.7900 ✓	3.6700 ✓	2.4300	53.41	Mud	NA	NA	NA	NA	X	
	1903285-02	Sample	1.2400 ✓		7.5000 ✓	4.7100 ✓	3.4700	55.43	Mud	NA	NA	NA	NA	X	
	1903285-03	Sample	1.2500 ✓		9.3500 ✓	6.3300 ✓	5.0800	62.72	Mud	NA	NA	NA	NA	X	
	1903285-04	Sample	1.2200 ✓		7.7000 ✓	5.0400 ✓	3.8200	58.95	Mud	NA	NA	NA	NA	X	
	1903285-05	Sample	1.2300 ✓		6.0100 ✓	3.0100 ✓	1.7800	37.24	Mud	NA	NA	NA	NA	X	
	1903285-06	Sample	1.2500 ✓		6.3500 ✓	3.3500 ✓	2.1000	41.18	Mud	NA	NA	NA	NA	X	
	1903285-07	Sample	1.2500 ✓		7.0600 ✓	3.8400 ✓	2.5900	44.58	Mud	NA	NA	NA	NA	X	
	1903285-08	Sample	1.2400 ✓		5.5300 ✓	2.8300 ✓	1.5900	37.06	Mud	NA	NA	NA	NA	X	
	1903285-09	Sample	1.2200 ✓		7.9400 ✓	4.4500 ✓	3.2300	48.07	Mud	NA	NA	NA	NA	X	
	1903285-10	Sample	1.2400 ✓		7.9700 ✓	3.7300 ✓	2.4900	37.00	Mud	NA	NA	NA	NA	X	

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B910288

Analyst: <u>AO</u>	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>NA</u>
Analyte:	Units: %	
Oven ID: <u>01</u> 02	Dried at 110°C +/- 5°C	

Inst HRMS-10

Date/Time IN: 09/30/19 Date/Time OUT: 10/01/19
1:40 05:44

*DF 10/01/19

Particle Size	Sample ID	Sample Type	Initial and Date: <u>AO 09/30/19</u>		Date/Time OUT: <u>DF 10/01/19</u>		Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl- pH Before	pH After	Acid Added	Sample Homogenized*
			Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)								
	1903285-01	Sample	1.24	5.79	3.67			MWD				X	
	1903285-02	Sample	1.24	7.50	4.71							X	
	1903285-03	Sample	1.25	9.35	6.33							X	
	1903285-04	Sample	1.22	7.70	5.04							X	
	1903285-05	Sample	1.23	6.01	3.01							X	
	1903285-06	Sample	1.25	6.35	3.35							X	
	1903285-07	Sample	1.25	7.06	3.84							X	
	1903285-08	Sample	1.24	5.53	2.83							X	
	1903285-09	Sample	1.22	7.94	4.45							X	
	1903285-10	Sample	1.24	7.97	3.73							X	

*Sample homogenized in sample container unless otherwise noted.

Batch: B9J0002

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903285-07	2.53 ✓	44.57831	1.1278	20	01-Oct-19 06:17	DFO			Sediment	1699 Full List
1903285-08	2.88 ✓	37.06293	1.0674	20	01-Oct-19 06:17	DFO			Sediment	1699 Full List
1903285-09	2.21 ✓	48.06547	1.0622	20	01-Oct-19 06:17	DFO			Sediment	1699 Full List
1903285-10	2.77 ✓	36.99852	1.0249	20	01-Oct-19 06:17	DFO			Sediment	1699 Full List
B9J0002-BLK1	1 ✓			20	01-Oct-19 06:17	DFO				QC
B9J0002-BS1	1 ✓			20	01-Oct-19 06:17	DFO	18A2304 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date) DF 10/03/19
 Work Order 1903285 Revision 1

SAMPLE DATA – EPA METHOD 1613

Client ID: Method Blank
Lab ID: B9J0001 BLK1

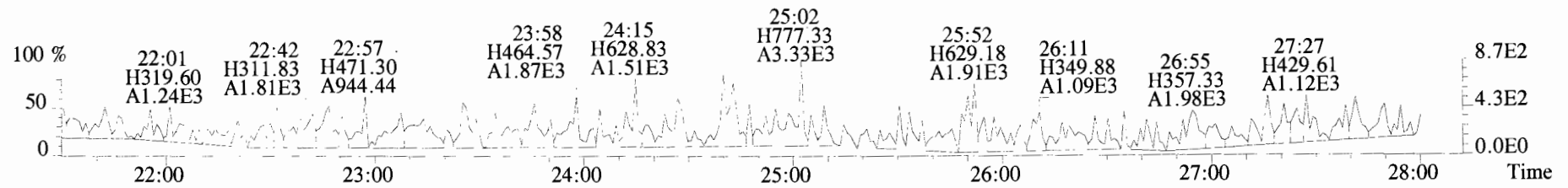
Filename: 191009D1 S.11 Acq:10-OCT-19 00:09:30
GC Column ID: ZB-5MS ICal: i613VG7-10-9-19 wt/vol:10.000

ConCal: ST191009D1-4
EndCAL: NA

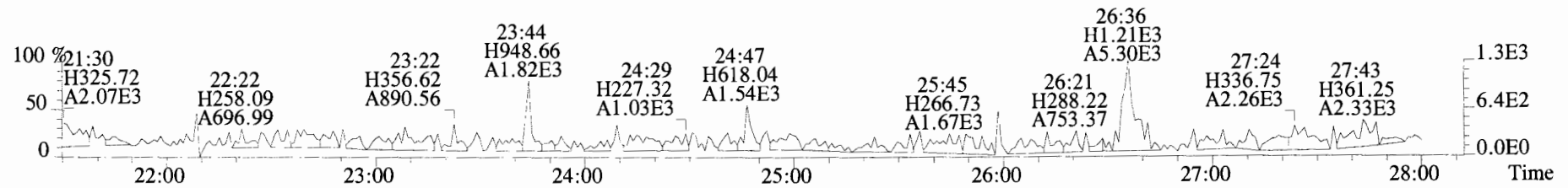
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	*	* n	0.91	Not F η	*		123	2.5	0.0586	Total Tetra-Dioxins	*	*		123	0.0586
1,2,3,7,8-PeCDD	*	* n	0.90	Not F η	*		201	2.5	0.102	Total Penta-Dioxins	*	*		201	0.102
1,2,3,4,7,8-HxCDD	*	* n	1.10	Not F η	*		98.7	2.5	0.103	Total Hexa-Dioxins	*	*		98.7	0.113
1,2,3,6,7,8-HxCDD	*	* n	0.94	Not F η	*		98.7	2.5	0.110	Total Hepta-Dioxins	*	*		129	0.151
1,2,3,7,8,9-HxCDD	*	* n	0.96	Not F η	*		98.7	2.5	0.124	Total Tetra-Furans	*	*		167	0.0635
1,2,3,4,6,7,8-HpCDD	*	* n	0.98	Not F η	*		129	2.5	0.151	Total Penta-Furans	0.0000	0.0000		237	0.130
OCDD	*	* n	0.96	Not F η	*		120	2.5	0.228	Total Hexa-Furans	*	*		126	0.0660
										Total Hepta-Furans	*	*		121	0.102
2,3,7,8-TCDF	*	* n	0.95	Not F η	*		167	2.5	0.0635						
1,2,3,7,8-PeCDF	*	* n	0.96	Not F η	*		237	2.5	0.131						
2,3,4,7,8-PeCDF	*	* n	1.01	Not F η	*		237	2.5	0.128						
1,2,3,4,7,8-HxCDF	*	* n	1.18	Not F η	*		126	2.5	0.0543						
1,2,3,6,7,8-HxCDF	*	* n	1.07	Not F η	*		126	2.5	0.0522						
2,3,4,6,7,8-HxCDF	*	* n	1.11	Not F η	*		126	2.5	0.0638						
1,2,3,7,8,9-HxCDF	*	* n	1.06	Not F η	*		126	2.5	0.101						
1,2,3,4,6,7,8-HpCDF	*	* n	1.13	Not F η	*		121	2.5	0.0910						
1,2,3,4,7,8,9-HpCDF	*	* n	1.28	Not F η	*		121	2.5	0.114						
OCDF	*	* n	0.95	Not F η	*		137	2.5	0.211						
IS										Rec					
IS	13C-2,3,7,8-TCDD	8.50e+06	0.79 y	1.10	26:35	169.03				Qual					
IS	13C-1,2,3,7,8-PeCDD	6.51e+06	0.61 y	0.88	30:57	160.81				84.5					
IS	13C-1,2,3,4,7,8-HxCDD	3.98e+06	1.25 y	0.64	34:17	151.11				80.4					
IS	13C-1,2,3,6,7,8-HxCDD	5.19e+06	1.29 y	0.86	34:25	147.60				75.6					
IS	13C-1,2,3,7,8,9-HxCDD	5.00e+06	1.25 y	0.81	34:44	150.89				73.8					
IS	13C-1,2,3,4,6,7,8-HpCDD	4.43e+06	1.03 y	0.65	38:07	165.05				75.4					
IS	13C-OCDD	6.20e+06	0.93 y	0.58	41:30	260.35				82.5					
IS	13C-2,3,7,8-TCDF	1.10e+07	0.79 y	1.03	25:52	153.66				65.1					
IS	13C-1,2,3,7,8-PeCDF	9.05e+06	1.58 y	0.85	29:48	153.14				76.8					
IS	13C-2,3,4,7,8-PeCDF	8.84e+06	1.55 y	0.85	30:41	150.87				76.6					
IS	13C-1,2,3,4,7,8-HxCDF	5.68e+06	0.50 y	0.83	33:23	166.26				75.4					
IS	13C-1,2,3,6,7,8-HxCDF	7.17e+06	0.51 y	1.03	33:31	168.78				83.1					
IS	13C-2,3,4,6,7,8-HxCDF	6.05e+06	0.50 y	0.95	34:09	154.57				84.4					
IS	13C-1,2,3,7,8,9-HxCDF	5.43e+06	0.52 y	0.83	35:10	159.84				77.3					
IS	13C-1,2,3,4,6,7,8-HpCDF	4.56e+06	0.43 y	0.76	36:58	146.68				79.9					
IS	13C-1,2,3,4,7,8,9-HpCDF	3.48e+06	0.42 y	0.58	38:43	146.02				73.3					
IS	13C-OCDF	7.83e+06	0.92 y	0.69	41:46	276.75				73.0					
C/Up	37C1-2,3,7,8-TCDD	3.64e+06		1.20	26:36	66.235				69.2					
RS/RT	13C-1,2,3,4-TCDD	9.18e+06	0.79 y	1.00	26:01	200.00									
RS	13C-1,2,3,4-TCDF	1.38e+07	0.78 y	1.00	24:42	200.00									
RS/RT	13C-1,2,3,4,6,9-HxCDF	8.21e+06	0.50 y	1.00	33:49	200.00									

Integrations
by DB
Analyst: DB
Date: 10/10/19
Reviewed
by HL
Analyst: HL
Date: 10.31.19

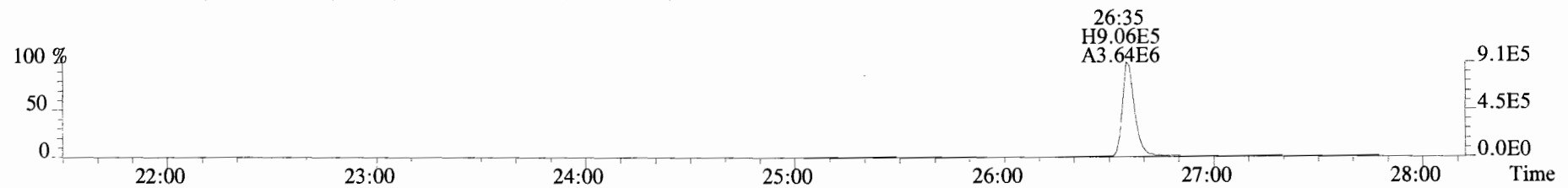
File:191009D1 #1-513 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



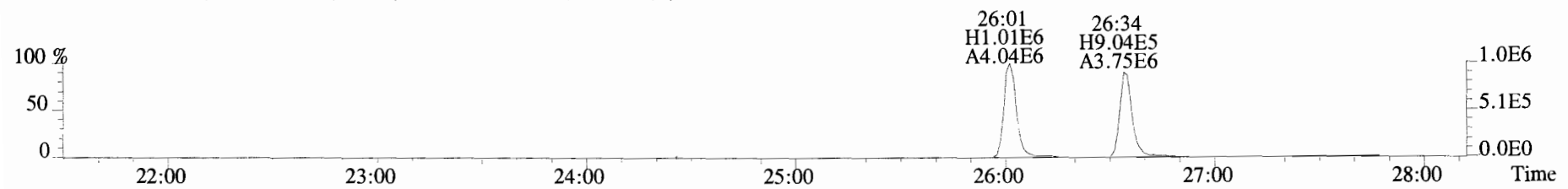
321.8936 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



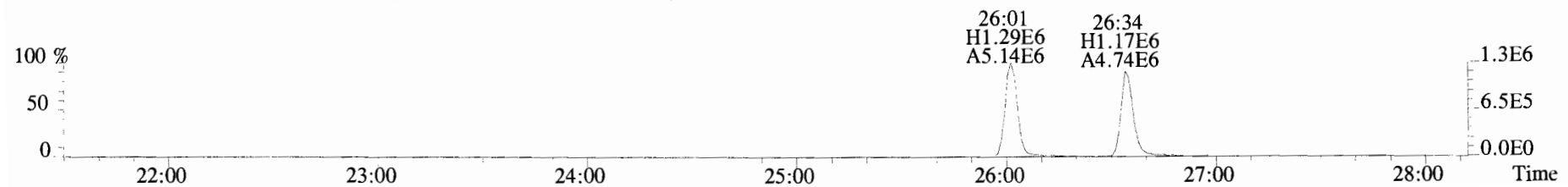
327.8847 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



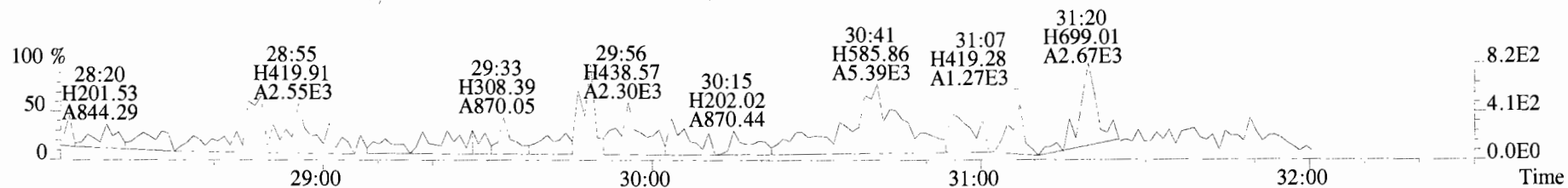
331.9368 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



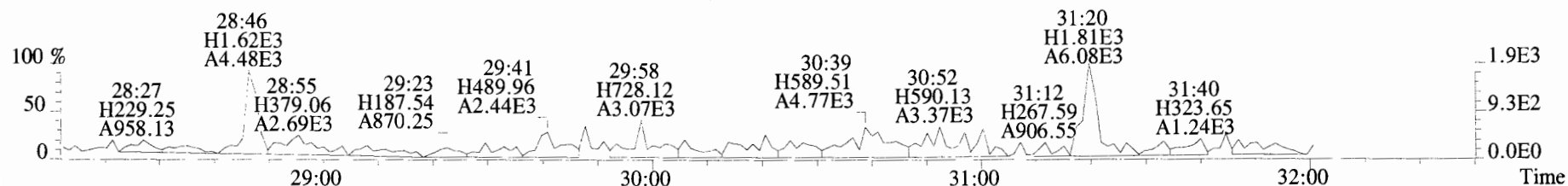
333.9339 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



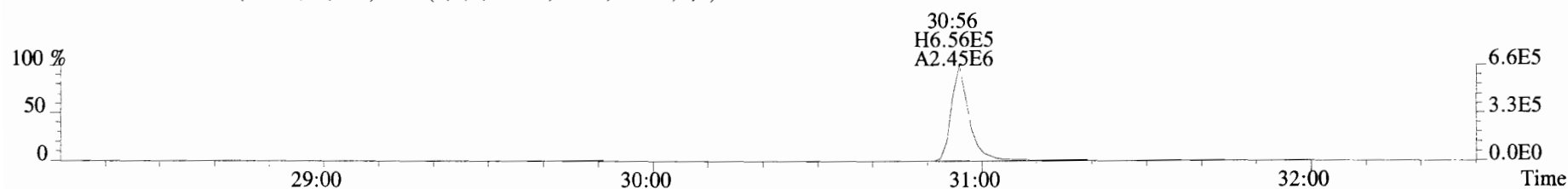
File:191009D1 #1-211 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
353.8576 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



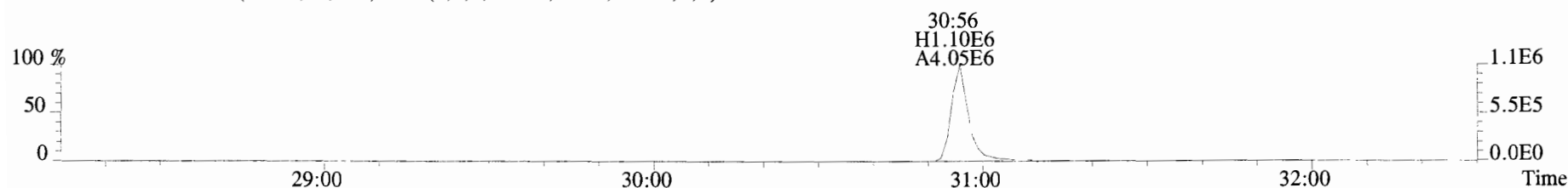
355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



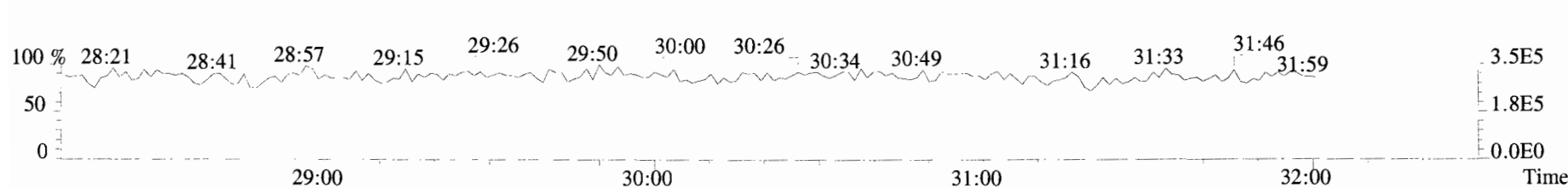
365.8978 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



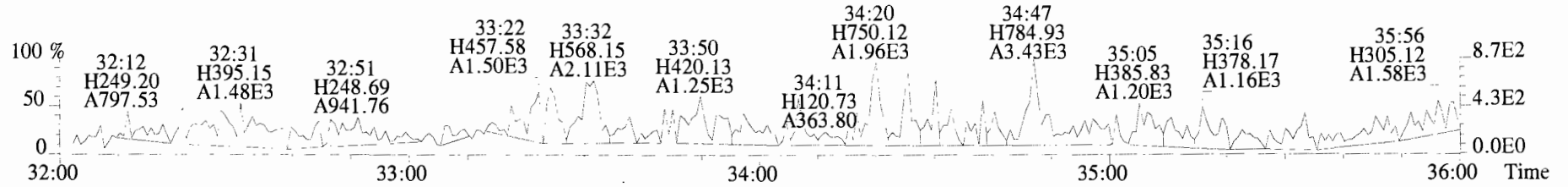
367.8949 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



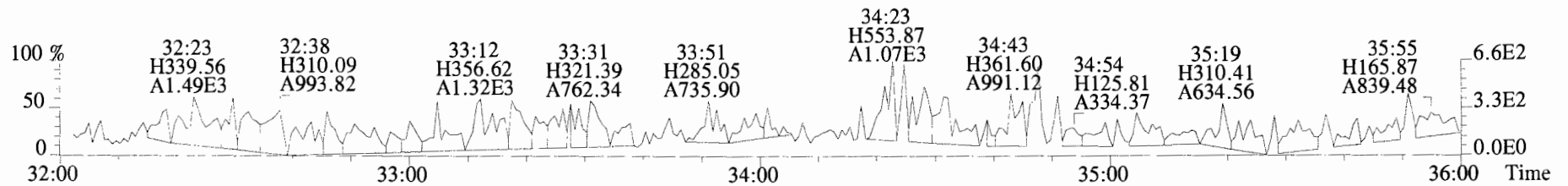
366.9792 S:11 F:2



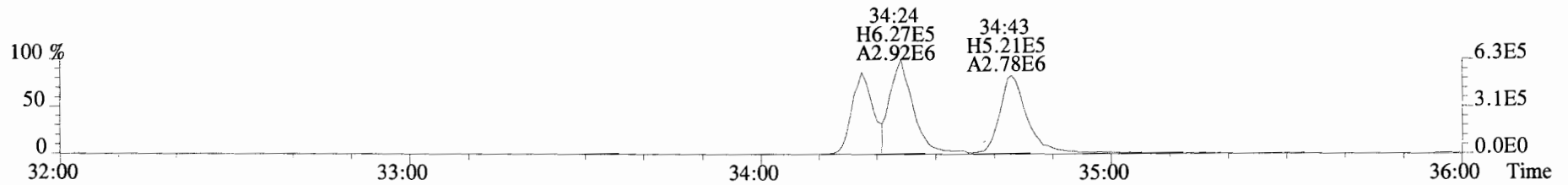
File:191009D1 #1-355 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



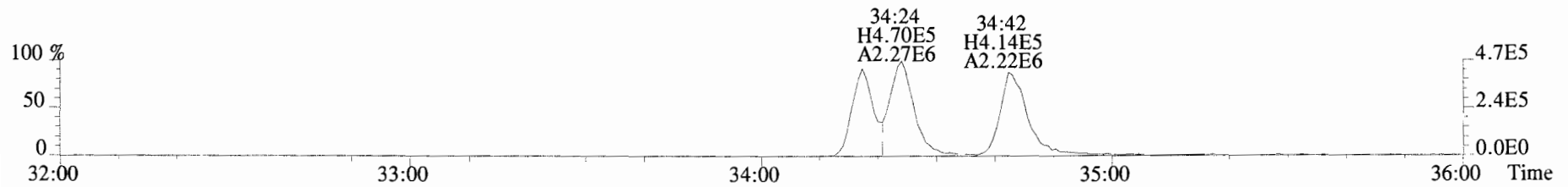
391.8127 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



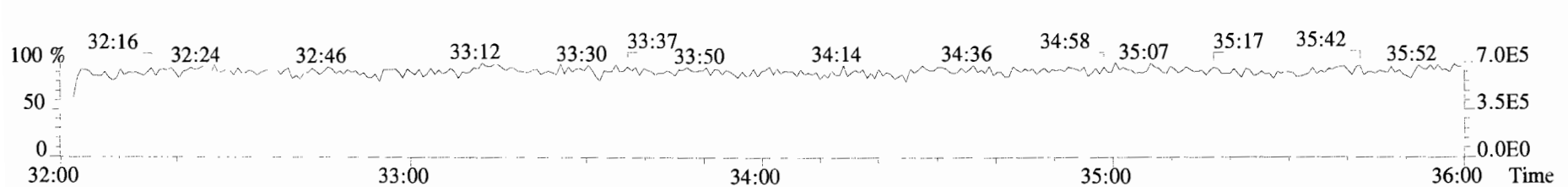
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



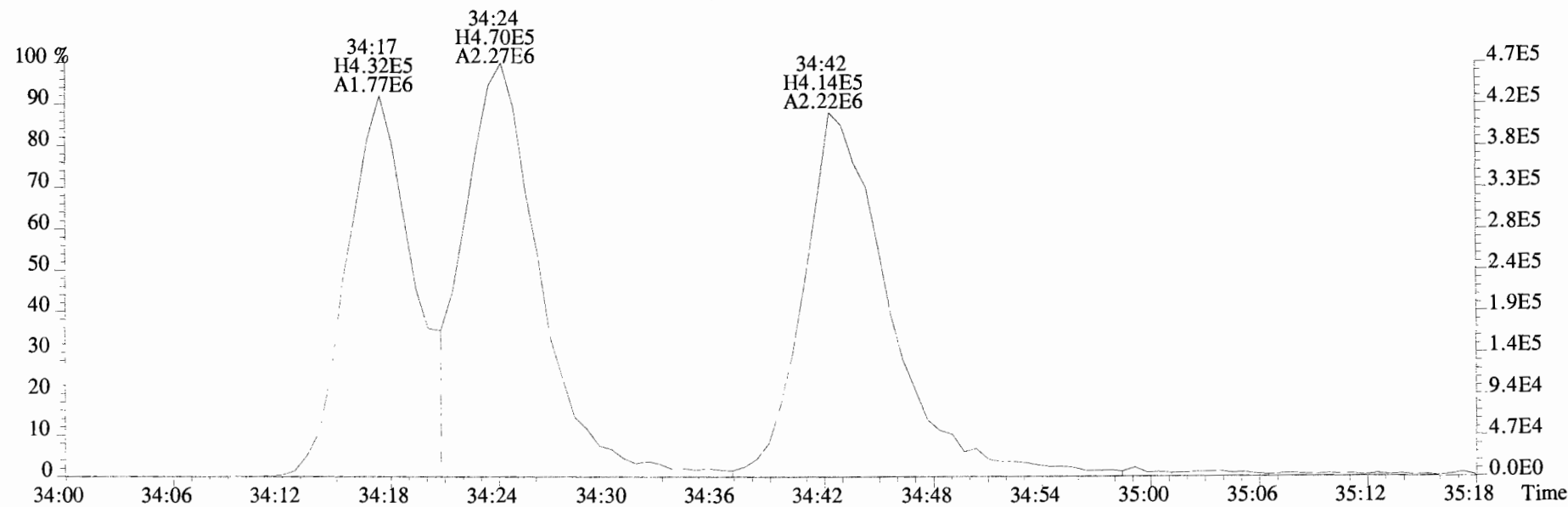
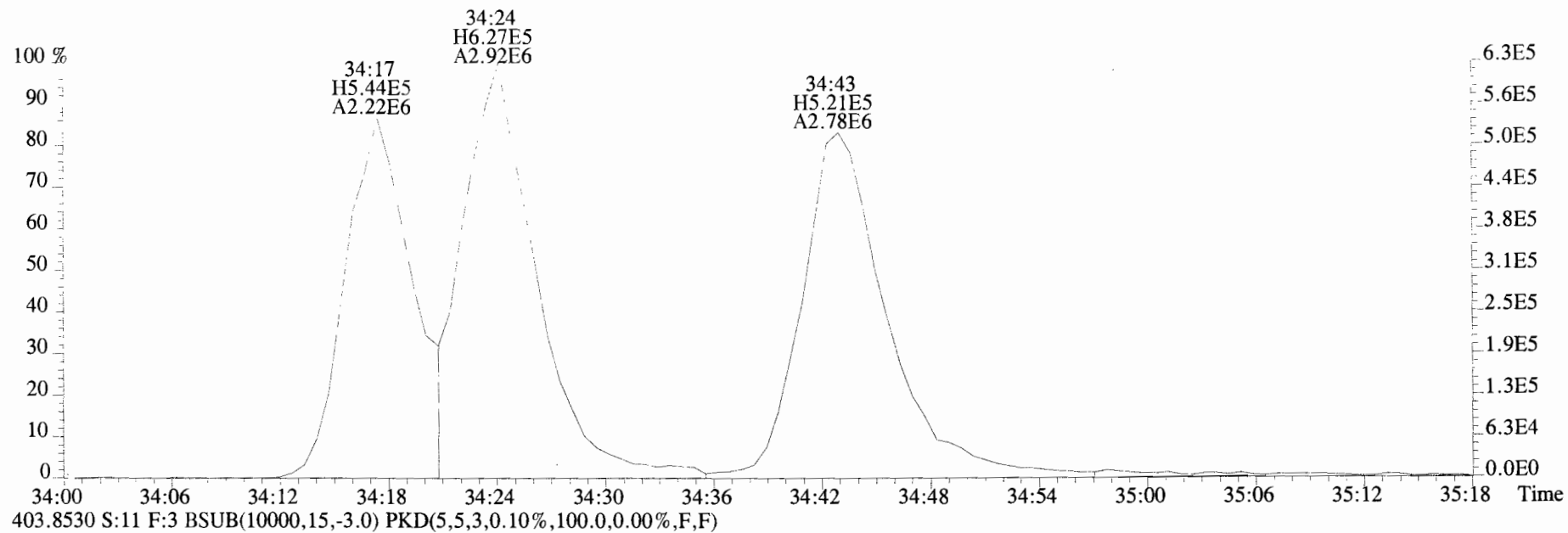
403.8530 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



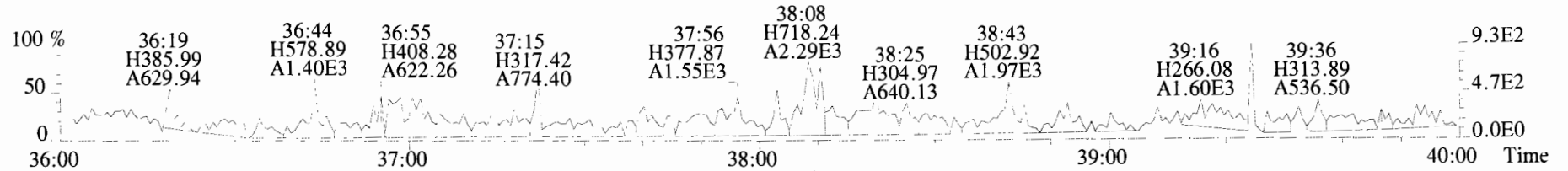
392.9760 S:11 F:3



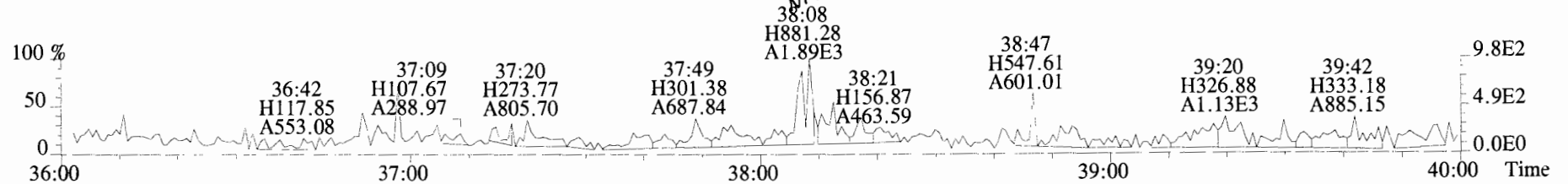
File:191009D1 #1-355 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



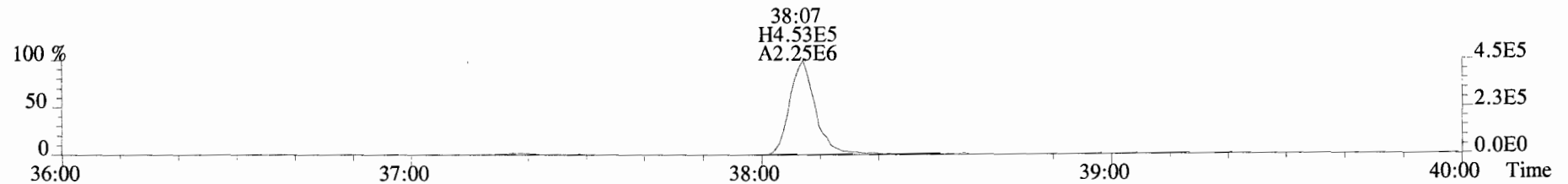
File:191009D1 #1-355 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
 423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



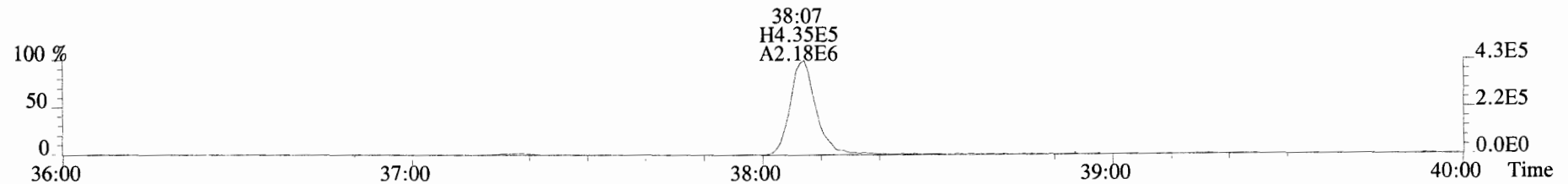
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



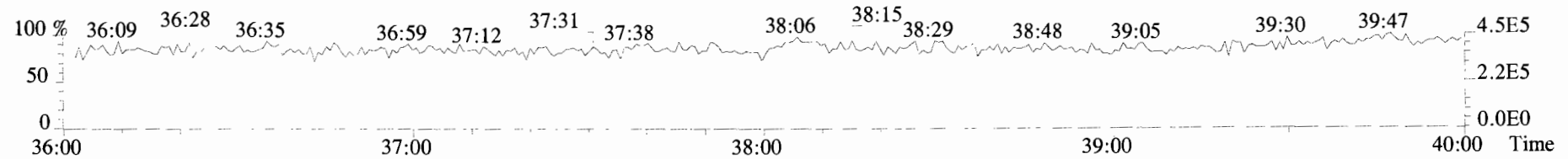
435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



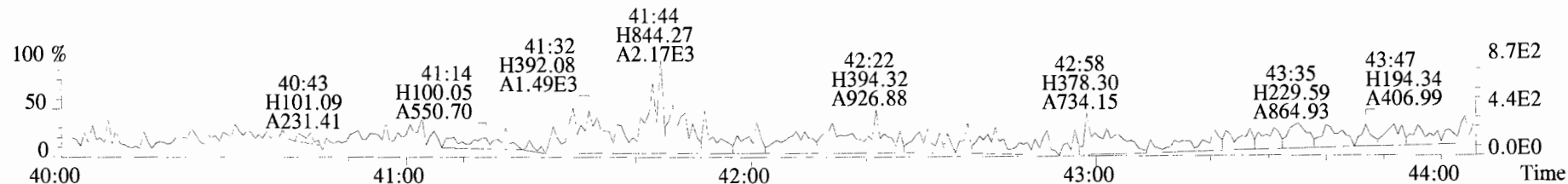
437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



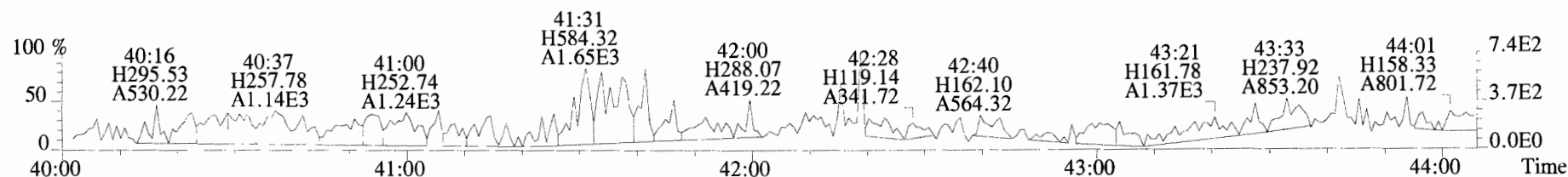
454.9728 S:11 F:4



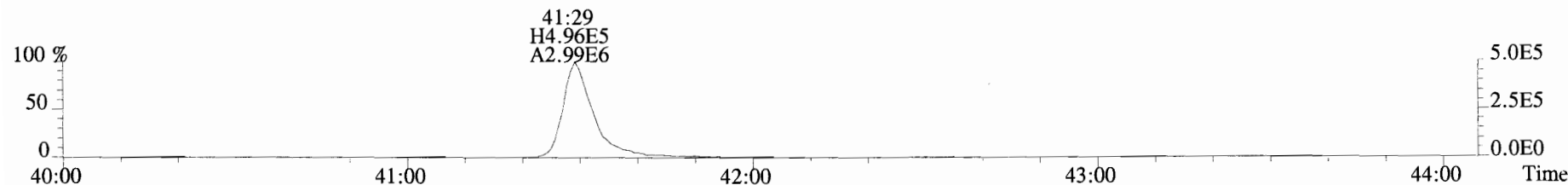
File:191009D1 #1-432 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



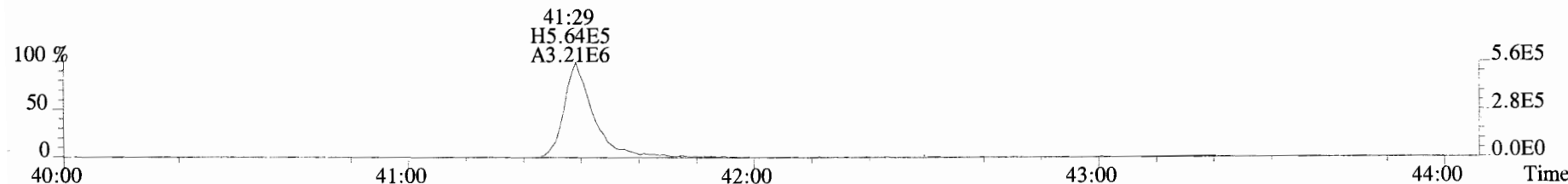
459.7348 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



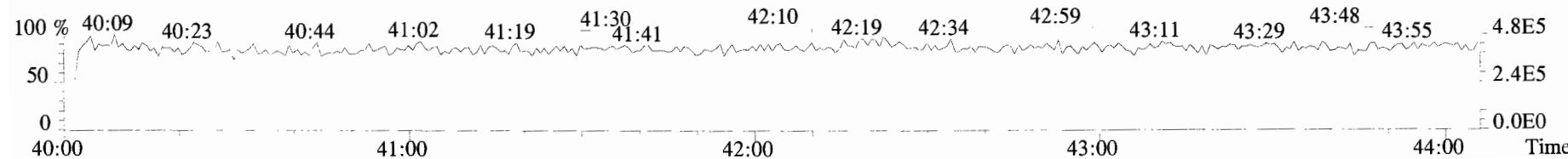
469.7780 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



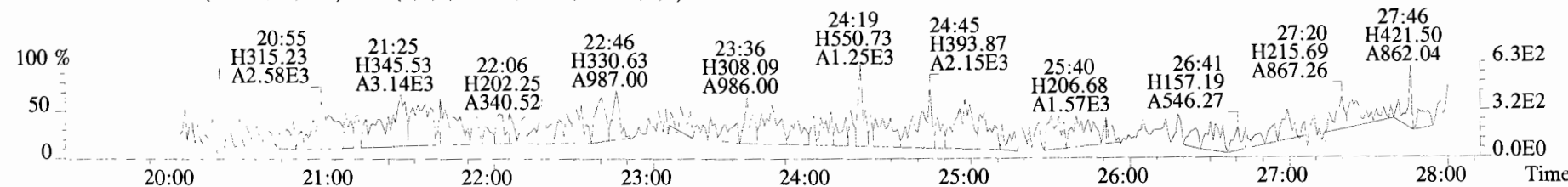
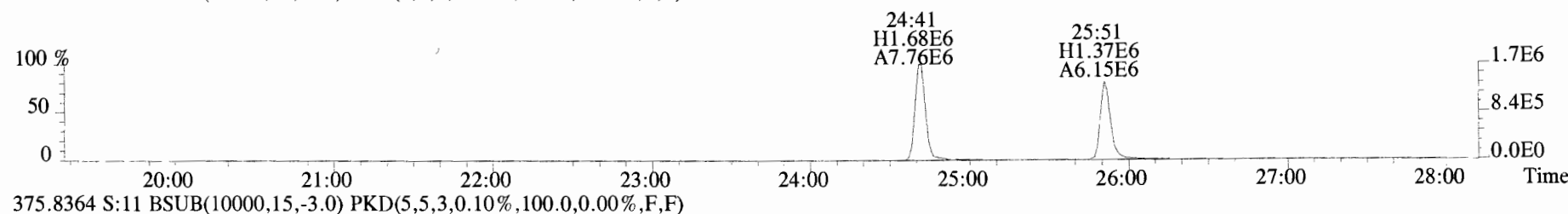
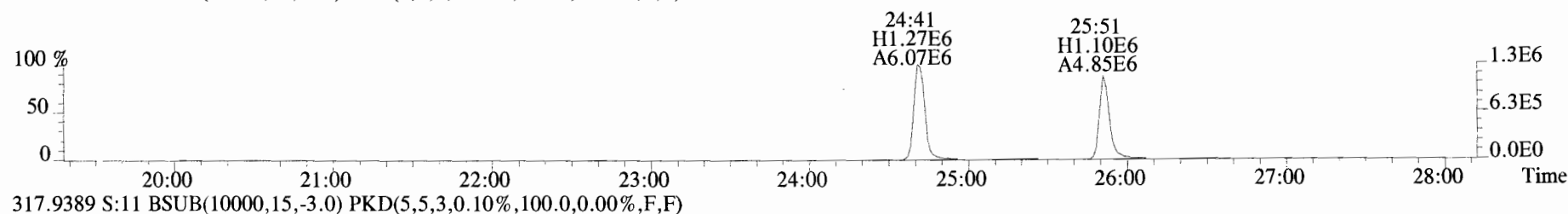
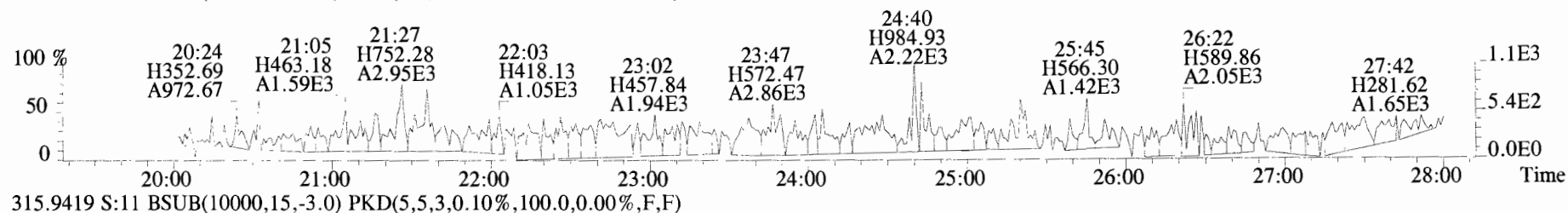
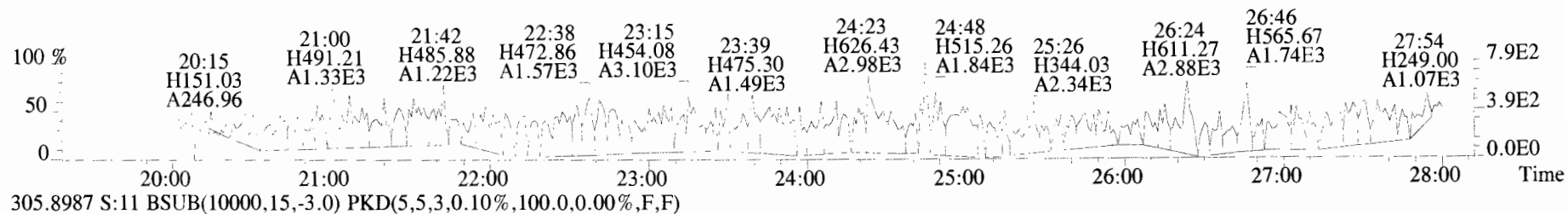
471.7750 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



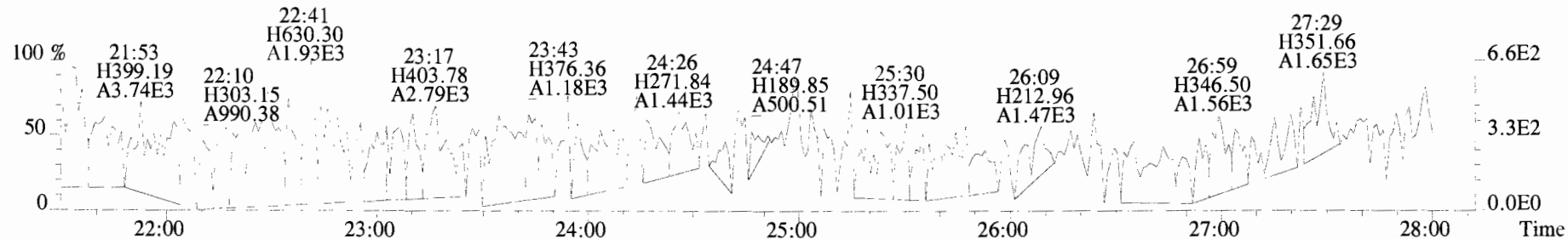
454.9728 S:11 F:5



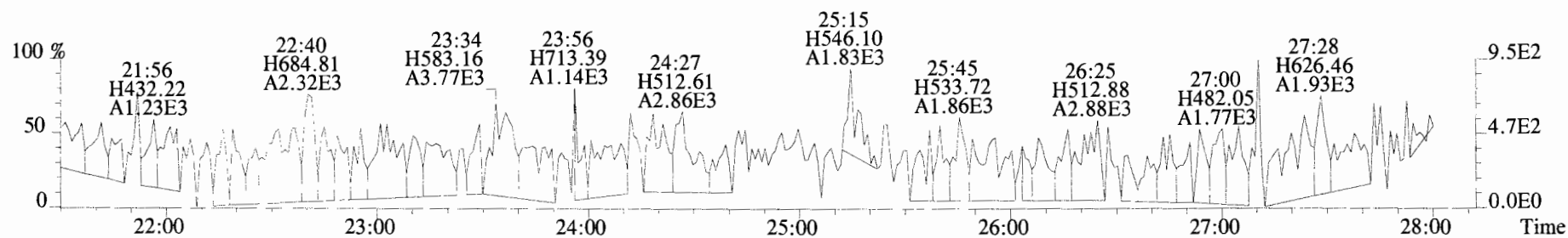
File:191009D1 #1-513 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



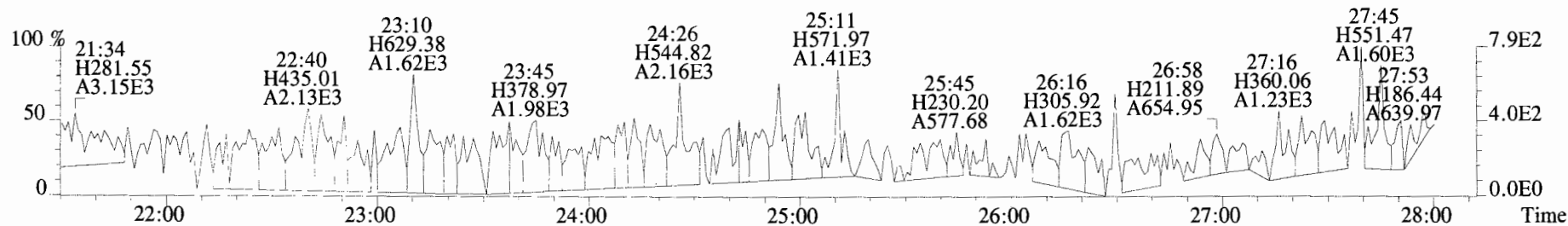
File:191009D1 #1-513 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
 339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



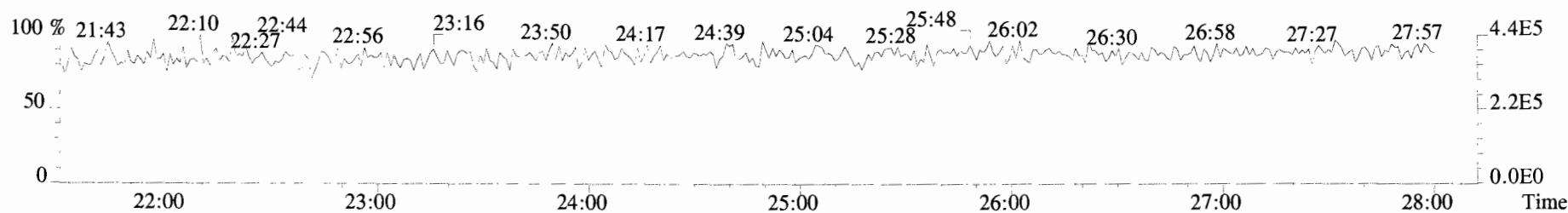
341.8568 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



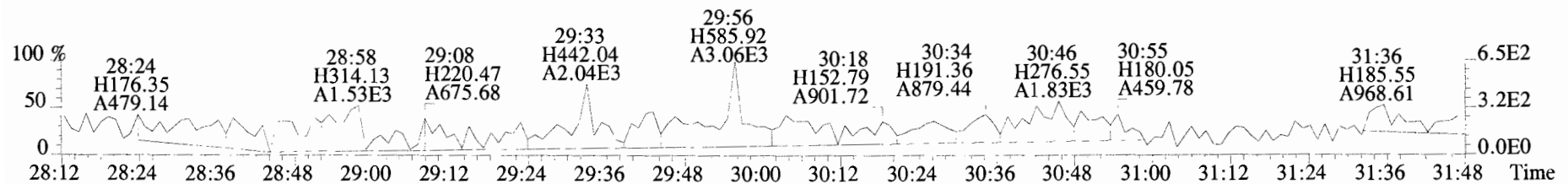
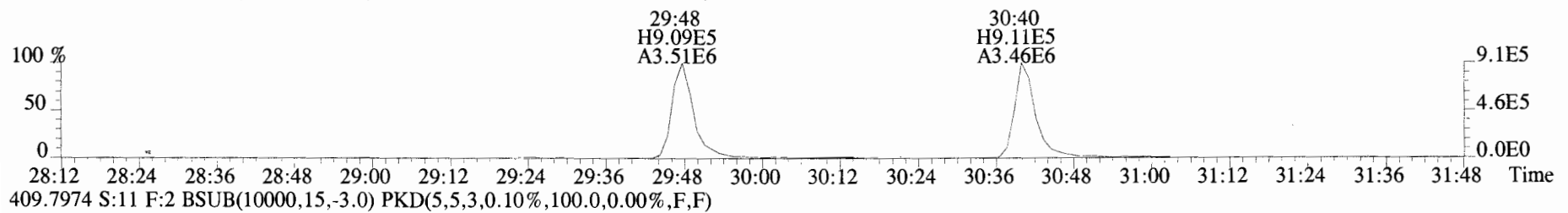
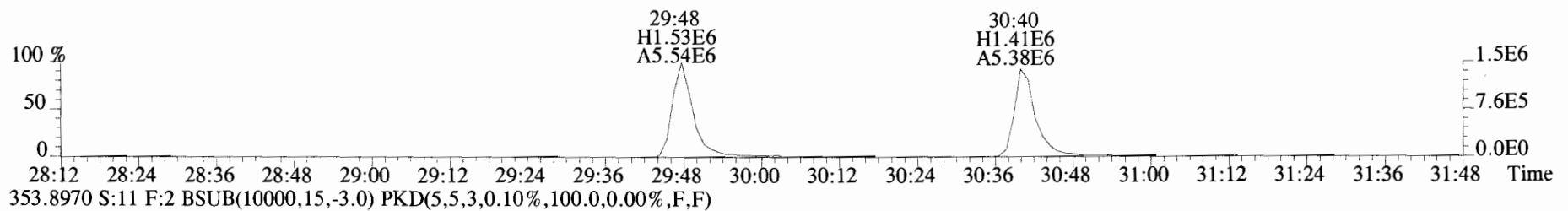
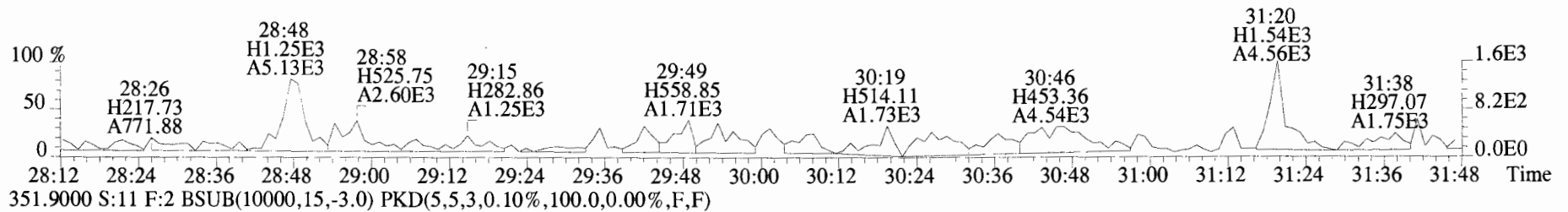
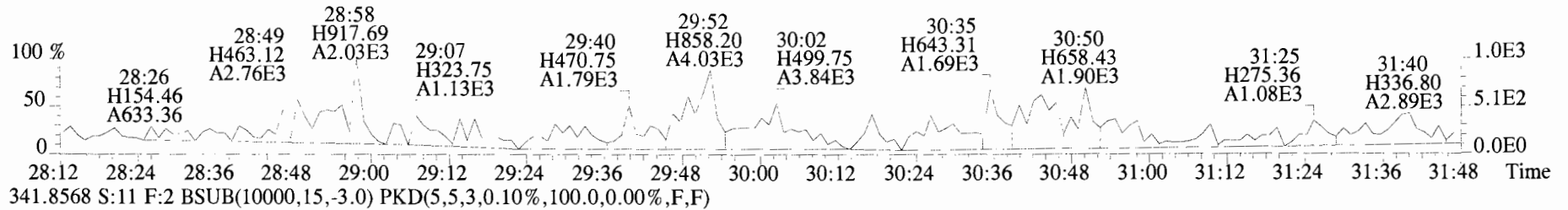
409.7974 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



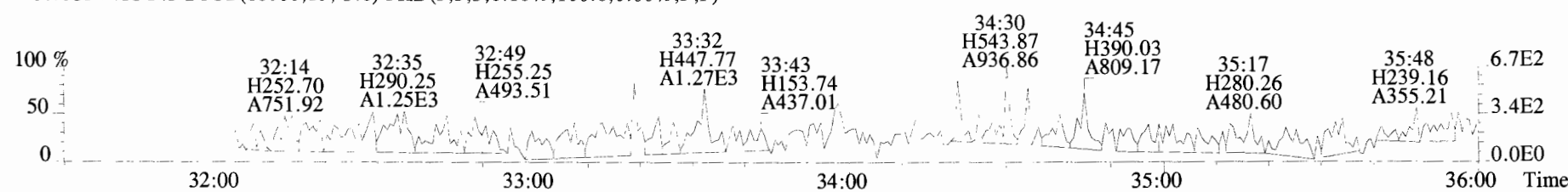
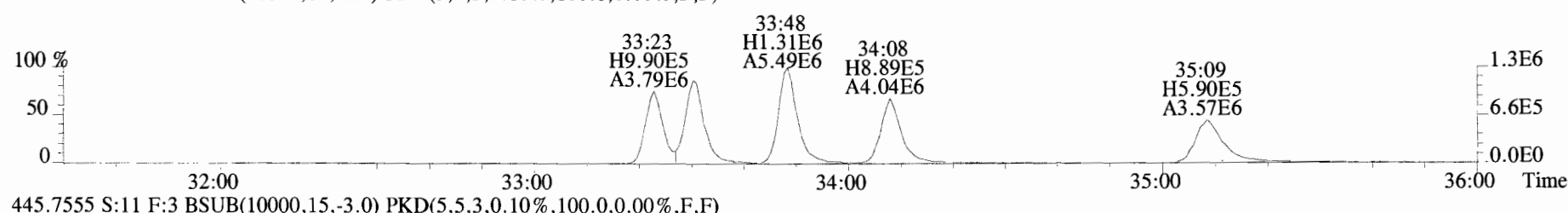
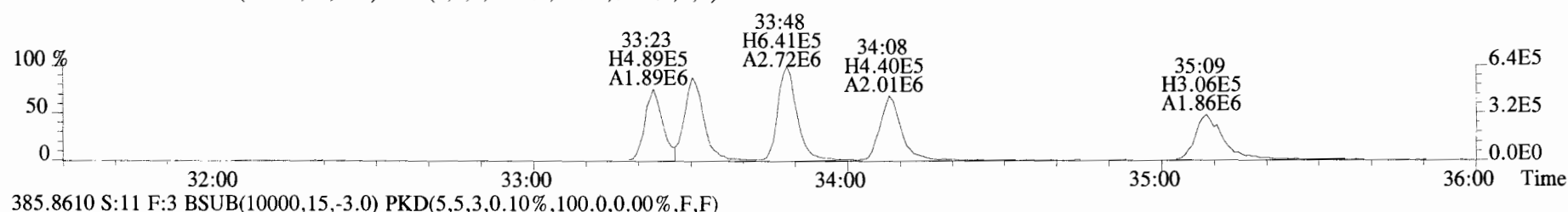
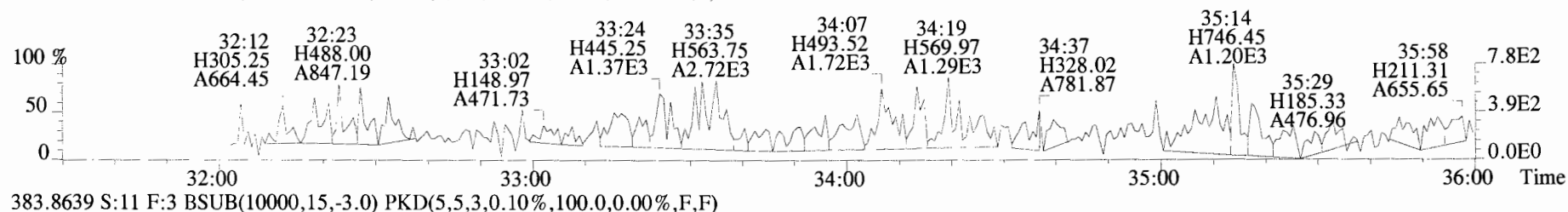
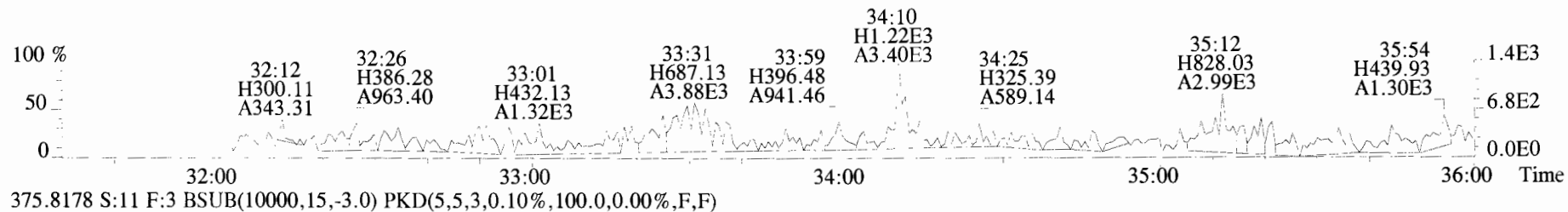
316.9824 S:11



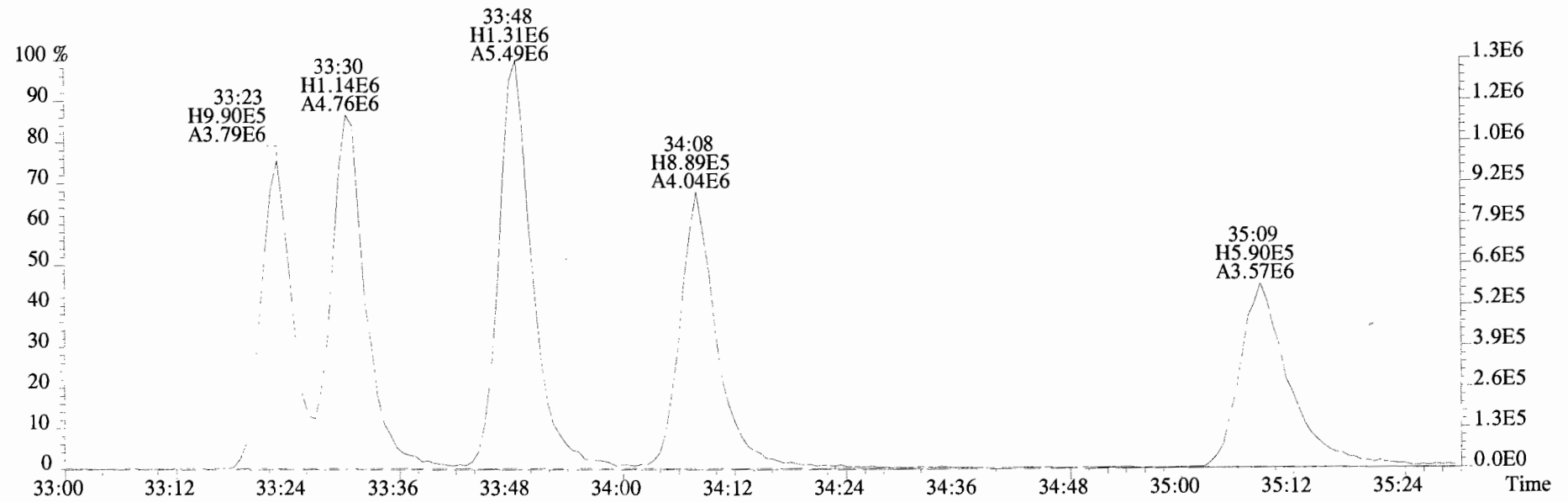
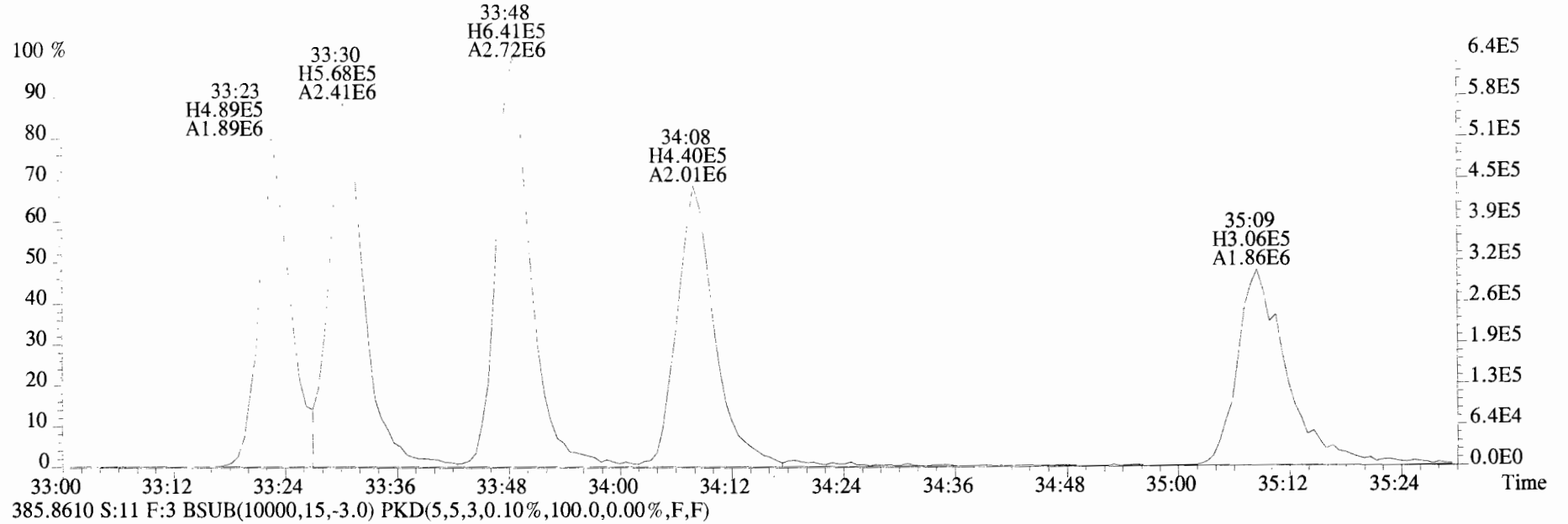
File:191009D1 #1-211 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
 339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



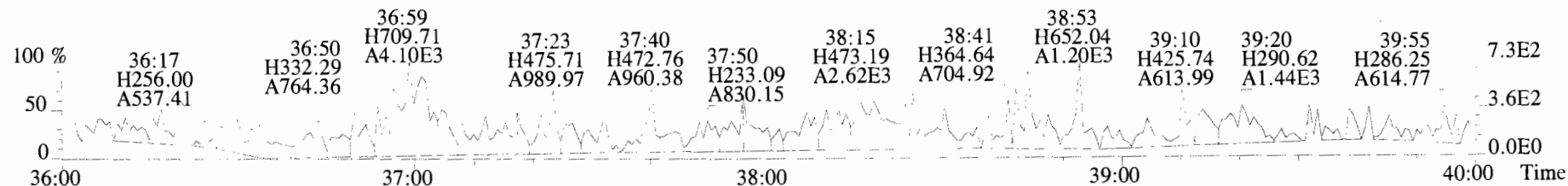
File:191009D1 #1-355 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
 373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



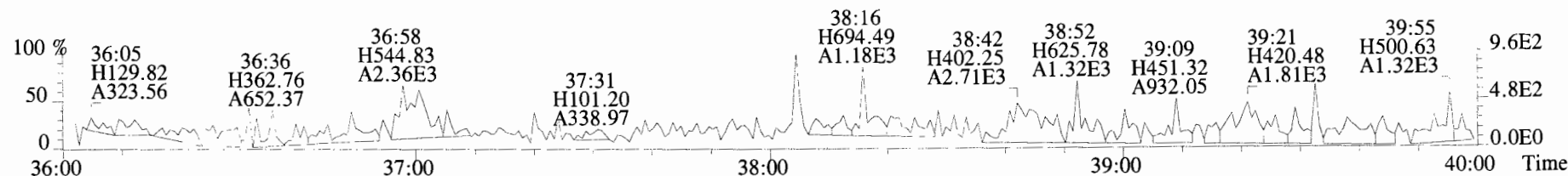
File:191009D1 #1-355 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaF
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
383.8639 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



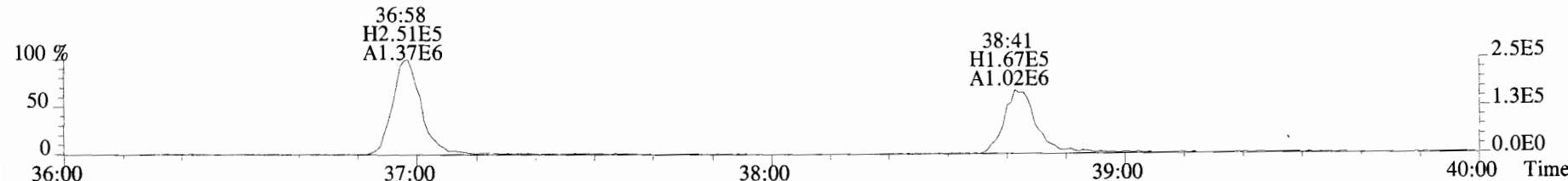
File:191009D1 #1-355 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



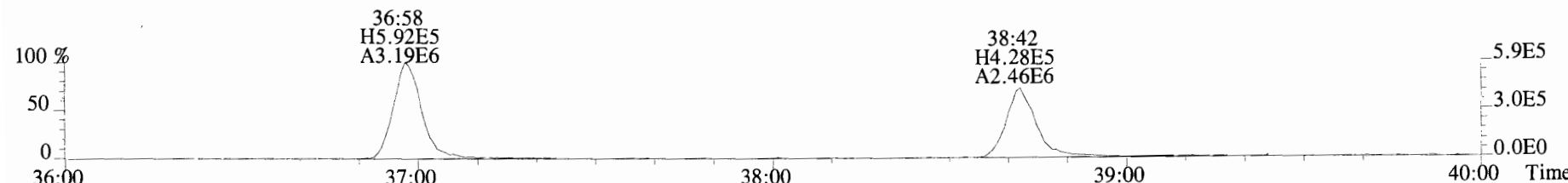
409.7788 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



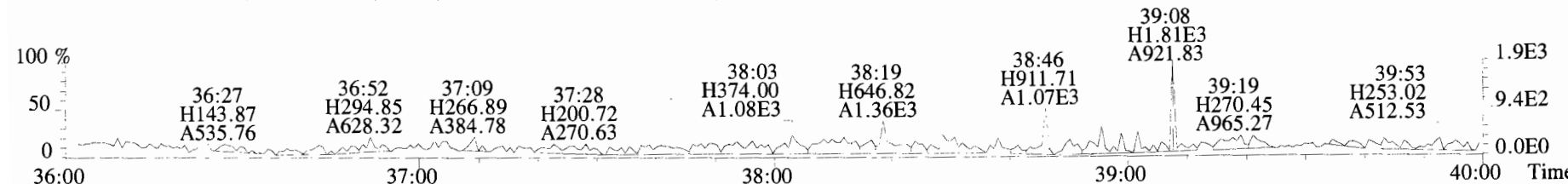
417.8253 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



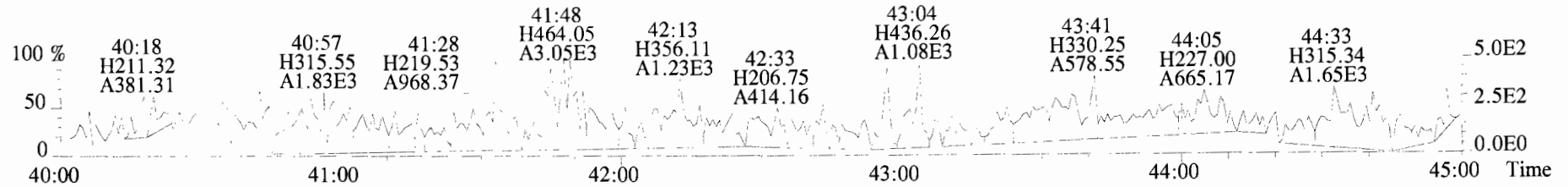
419.8220 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



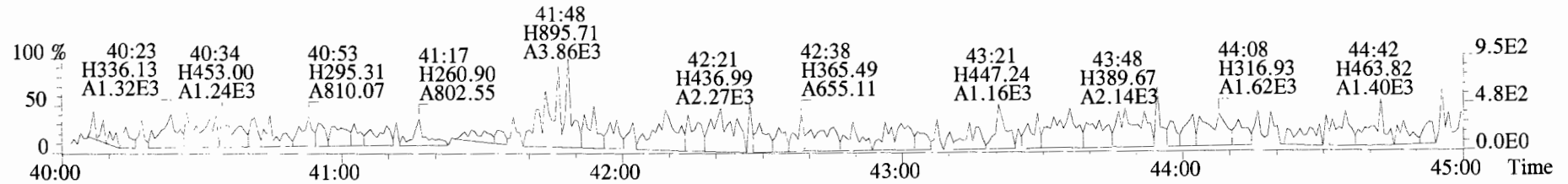
479.7165 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



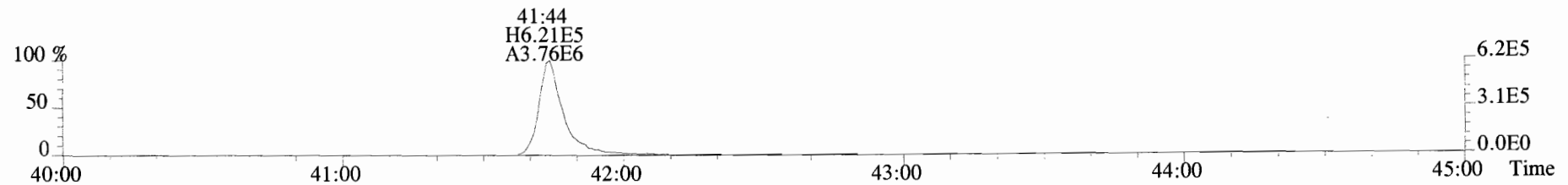
File:191009D1 #1-432 Acq:10-OCT-2019 00:09:30 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BLK1 Method Blank 10 Exp:OCDD_DB5
441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



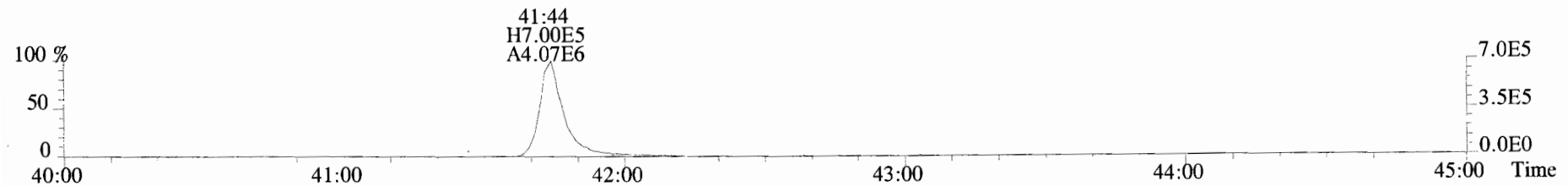
443.7398 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



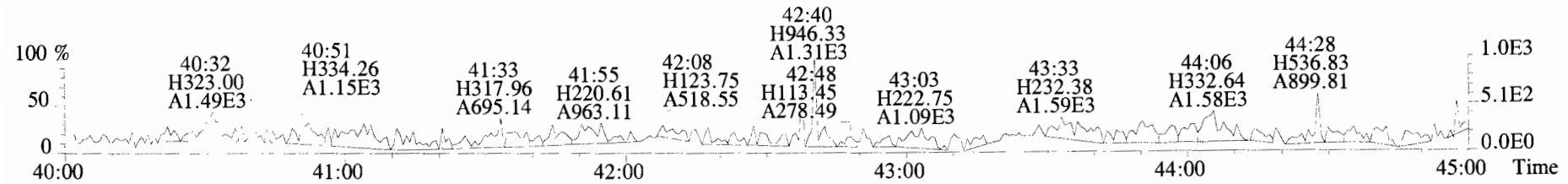
453.7831 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



455.7801 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



FORM 8A
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory Extraction Batch: B9J0001-BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): SOLID OPR Data Filename: 191009D1-9

Ext. Date: Shift: Day Analysis Date: 9-OCT-19 Time: 22:34:09

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

NATIVE ANALYTES	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
2,3,7,8-TCDD	10	10.4	6.7 - 15.8 7.3 - 14.6 (2)
1,2,3,7,8-PeCDD	50	52.3	35.0 - 71.0
1,2,3,4,7,8-HxCDD	50	50.1	35.0 - 82.0
1,2,3,6,7,8-HxCDD	50	53.0	38.0 - 67.0
1,2,3,7,8,9-HxCDD	50	53.2	32.0 - 81.0
1,2,3,4,6,7,8-HpCDD	50	52.3	35.0 - 70.0
OCDD	100	107	78.0 - 144.0
2,3,7,8-TCDF	10	9.73	7.5 - 15.8 8.0 - 14.7 (2)
1,2,3,7,8-PeCDF	50	52.9	40.0 - 67.0
2,3,4,7,8-PeCDF	50	53.1	34.0 - 80.0
1,2,3,4,7,8-HxCDF	50	50.2	36.0 - 67.0
1,2,3,6,7,8-HxCDF	50	51.8	42.0 - 65.0
2,3,4,6,7,8-HxCDF	50	52.3	35.0 - 78.0
1,2,3,7,8,9-HxCDF	50	51.0	39.0 - 65.0
1,2,3,4,6,7,8-HpCDF	50	51.5	41.0 - 61.0
1,2,3,4,7,8,9-HpCDF	50	51.2	39.0 - 69.0
OCDF	100	105	63.0 - 170.0

(1) Contract-required concentration limits for OPR
as specified in Table 6, Method 1613. 10/94

(2) Contract-required concentration limits for OPR
as specified in Table 6a, Method 1613. 10/94

Analyst: DB

Date: 10/10/19

FORM 8B
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory Extraction Batch: B9J0001 BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): SOLID OPR Data Filename: 191009D1-9

Ext. Date: Shift: Day Analysis Date: 9-OCT-19 Time: 22:34:09

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

LABELED COMPOUNDS	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
13C-2,3,7,8-TCDD	100	91.2	20.0 - 175.0 25.0 - 141.0 (2)
13C-1,2,3,7,8-PeCDD	100	88.7	21.0 - 227.0
13C-1,2,3,4,7,8-HxCDD	100	88.0	21.0 - 193.0
13C-1,2,3,6,7,8-HxCDD	100	81.6	25.0 - 163.0
13C-1,2,3,7,8,9-HxCDD	100	83.7	21.0 - 193.0
13C-1,2,3,4,6,7,8-HpCDD	100	91.5	26.0 - 166.0
13C-OCDD	200	136	26.0 - 397.0
13C-2,3,7,8-TCDF	100	83.4	22.0 - 152.0 26.0 - 126.0 (2)
13C-1,2,3,7,8-PeCDF	100	80.9	21.0 - 192.0
13C-2,3,4,7,8-PeCDF	100	81.3	13.0 - 328.0
13C-1,2,3,4,7,8-HxCDF	100	87.2	19.0 - 202.0
13C-1,2,3,6,7,8-HxCDF	100	84.4	21.0 - 159.0
13C-2,3,4,6,7,8-HxCDF	100	87.6	22.0 - 176.0
13C-1,2,3,7,8,9-HxCDF	100	89.8	17.0 - 205.0
13C-1,2,3,4,6,7,8-HpCDF	100	85.7	21.0 - 158.0
13C-1,2,3,4,7,8,9-HpCDF	100	85.8	20.0 - 186.0
13C-OCDF	200	144	26.0 - 397.0
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	37.7	12.4 - 76.4

(1) Contract-required concentration limits for OPR as specified in Table 6, Method 1613. 10/94

(2) Contract-required concentration limits for OPR as specified in Table 6a, Method 1613. 10/94

Analyst: DB

Date: 10/10/19

Client ID: OPR
Lab ID: B9J0001-BS1

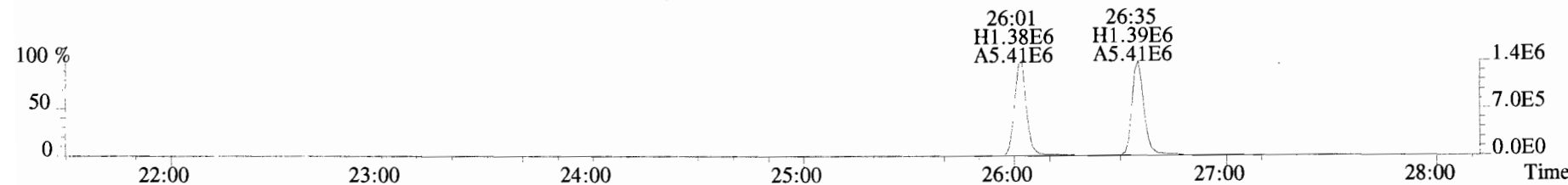
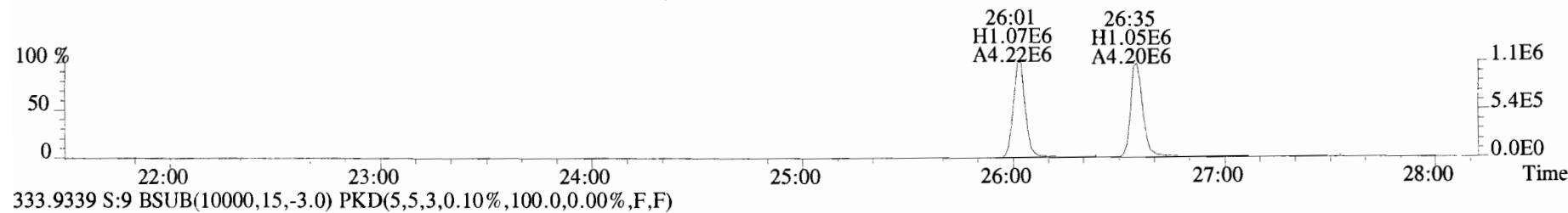
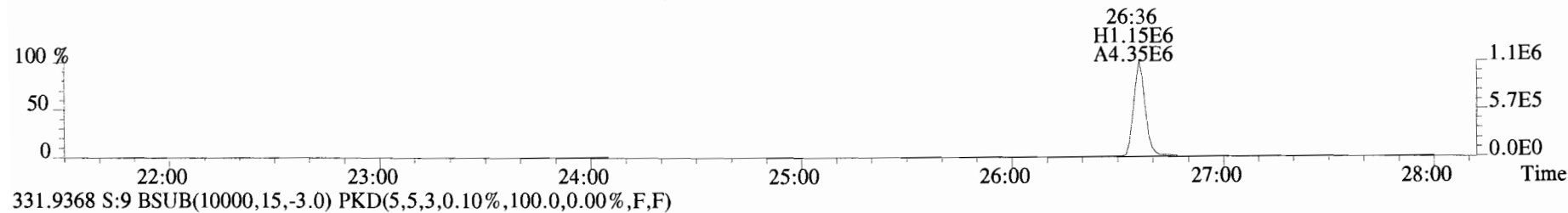
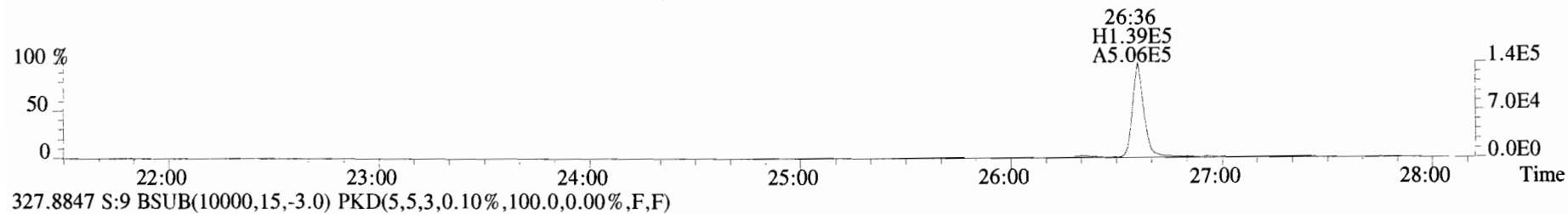
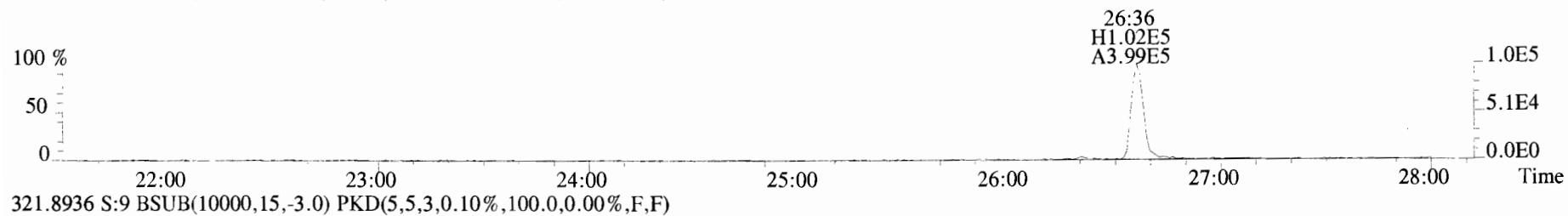
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GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191009D1-4
EndCAL: NA

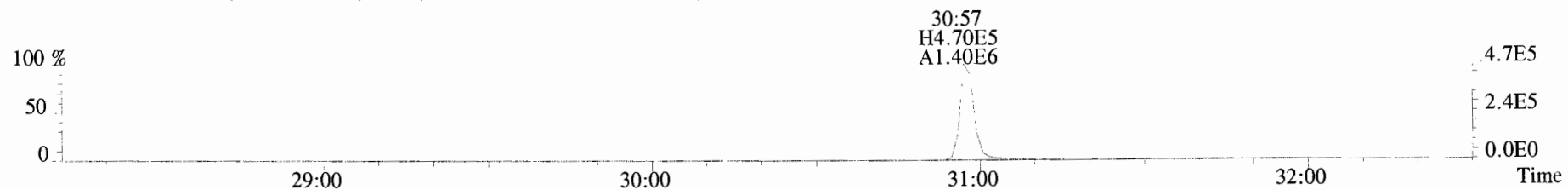
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	9.05e+05	0.79 y	0.91	26:37	10.394			* 2.5	*	Total Tetra-Dioxins	10.5	11.3		*	*
1,2,3,7,8-PeCDD	3.56e+06	0.65 y	0.90	30:58	52.348			* 2.5	*	Total Penta-Dioxins	52.3	52.7		*	*
1,2,3,4,7,8-HxCDD	2.85e+06	1.31 y	1.10	34:18	50.056			* 2.5	*	Total Hexa-Dioxins	156	157		*	*
1,2,3,6,7,8-HxCDD	3.18e+06	1.20 y	0.94	34:25	53.001			* 2.5	*	Total Hepta-Dioxins	52.8	53.7		*	*
1,2,3,7,8,9-HxCDD	3.15e+06	1.25 y	0.96	34:44	53.152			* 2.5	*	Total Tetra-Furans	9.95	10.6		*	*
1,2,3,4,6,7,8-HpCDD	2.80e+06	1.02 y	0.98	38:07	52.256			* 2.5	*	Total Penta-Furans	107.67	109.76		*	*
OCDD	3.68e+06	0.90 y	0.96	41:30	106.69			* 2.5	*	Total Hexa-Furans	206	208		*	*
										Total Hepta-Furans	103	105		*	*
2,3,7,8-TCDF	1.17e+06	0.76 y	0.95	25:54	9.7275			* 2.5	*						
1,2,3,7,8-PeCDF	5.17e+06	1.62 y	0.96	29:49	52.941			* 2.5	*						
2,3,4,7,8-PeCDF	5.45e+06	1.60 y	1.01	30:42	53.082			* 2.5	*						
1,2,3,4,7,8-HxCDF	3.92e+06	1.21 y	1.18	33:23	50.229			* 2.5	*						
1,2,3,6,7,8-HxCDF	4.42e+06	1.20 y	1.07	33:31	51.799			* 2.5	*						
2,3,4,6,7,8-HxCDF	4.45e+06	1.20 y	1.11	34:09	52.340			* 2.5	*						
1,2,3,7,8,9-HxCDF	3.68e+06	1.24 y	1.06	35:09	50.974			* 2.5	*						
1,2,3,4,6,7,8-HpCDF	3.45e+06	1.03 y	1.13	36:59	51.539			* 2.5	*						
1,2,3,4,7,8,9-HpCDF	2.99e+06	1.04 y	1.28	38:42	51.205			* 2.5	*						
OCDF	4.49e+06	0.91 y	0.95	41:45	104.57			* 2.5	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	9.61e+06	0.78 y	1.10	26:35	91.171					91.2					
IS 13C-1,2,3,7,8-PeCDD	7.53e+06	0.61 y	0.88	30:57	88.740					88.7					
IS 13C-1,2,3,4,7,8-HxCDD	5.17e+06	1.26 y	0.64	34:17	88.044					88.0					
IS 13C-1,2,3,6,7,8-HxCDD	6.38e+06	1.28 y	0.86	34:24	81.589					81.6					
IS 13C-1,2,3,7,8,9-HxCDD	6.17e+06	1.23 y	0.81	34:43	83.671					83.7					
IS 13C-1,2,3,4,6,7,8-HpCDD	5.47e+06	1.04 y	0.65	38:06	91.536					91.5					
IS 13C-OCDD	7.19e+06	0.93 y	0.58	41:29	135.60					67.8					
IS 13C-2,3,7,8-TCDF	1.27e+07	0.78 y	1.03	25:52	83.403					83.4					
IS 13C-1,2,3,7,8-PeCDF	1.02e+07	1.59 y	0.85	29:48	80.931					80.9					
IS 13C-2,3,4,7,8-PeCDF	1.01e+07	1.63 y	0.85	30:41	81.286					81.3					
IS 13C-1,2,3,4,7,8-HxCDF	6.64e+06	0.50 y	0.83	33:22	87.236					87.2					
IS 13C-1,2,3,6,7,8-HxCDF	7.98e+06	0.51 y	1.03	33:30	84.389					84.4					
IS 13C-2,3,4,6,7,8-HxCDF	7.63e+06	0.52 y	0.95	34:08	87.561					87.6					
IS 13C-1,2,3,7,8,9-HxCDF	6.80e+06	0.50 y	0.83	35:08	89.817					89.8					
IS 13C-1,2,3,4,6,7,8-HpCDF	5.93e+06	0.42 y	0.76	36:58	85.664					85.7					
IS 13C-1,2,3,4,7,8,9-HpCDF	4.56e+06	0.42 y	0.58	38:41	85.820					85.8					
IS 13C-OCDF	9.07e+06	0.90 y	0.69	41:44	143.89					71.9					
C/Up 37C1-2,3,7,8-TCDD	4.35e+06		1.20	26:37	37.689					94.2					
RS/RT 13C-1,2,3,4-TCDD	9.63e+06	0.78 y	1.00	26:02	100.00										
RS 13C-1,2,3,4-TCDF	1.47e+07	0.80 y	1.00	24:42	100.00										
RS/RT 13C-1,2,3,4,6,9-HxCDF	9.15e+06	0.49 y	1.00	33:48	100.00										

Integrations by DB Reviewed by HC CT
Analyst: DB Date: 10/10/19 Date: 10/31/19

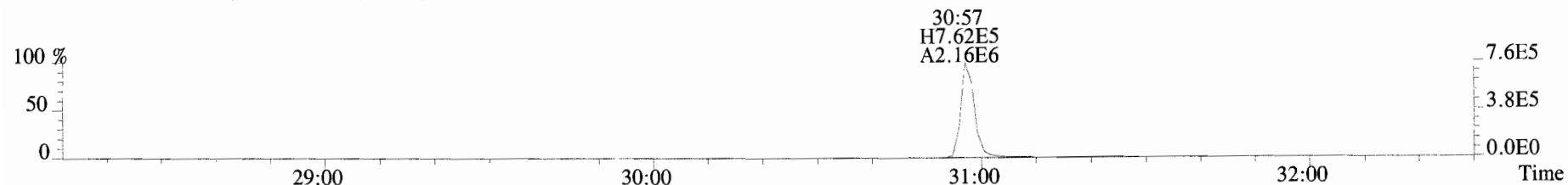
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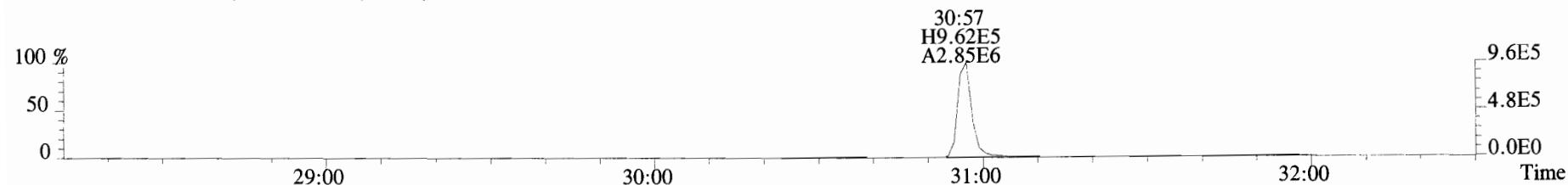
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353.8576 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



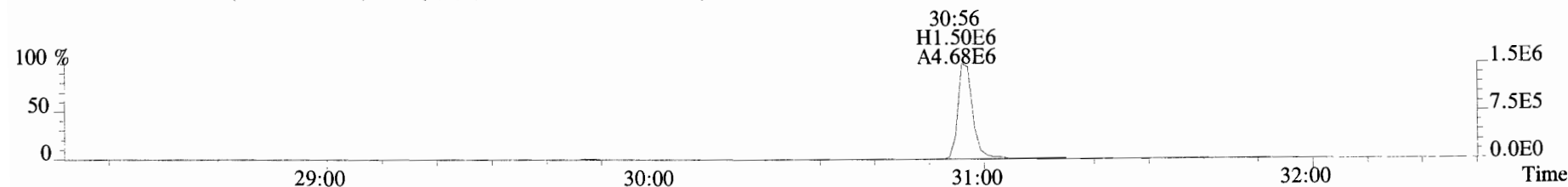
355.8546 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



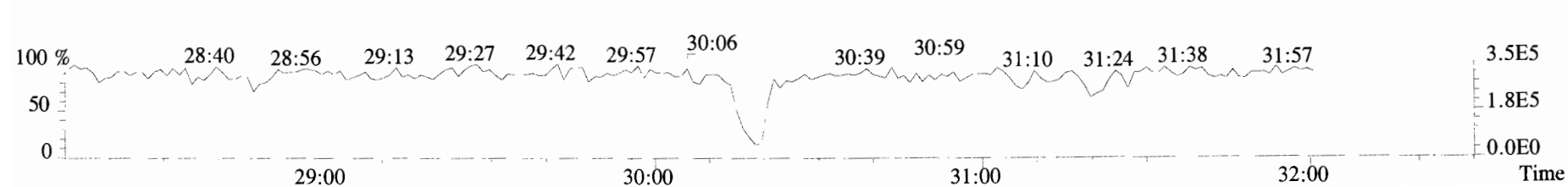
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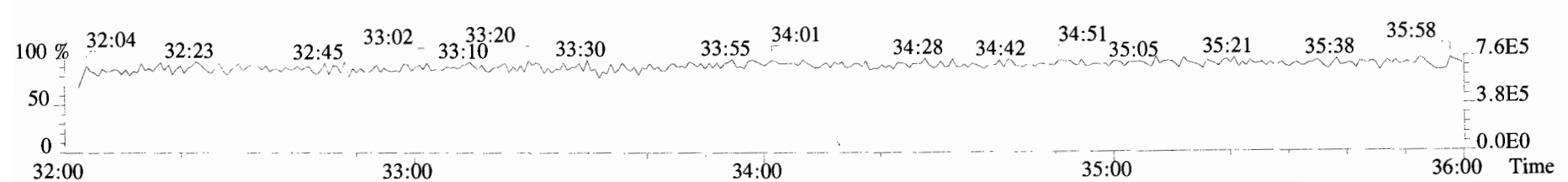
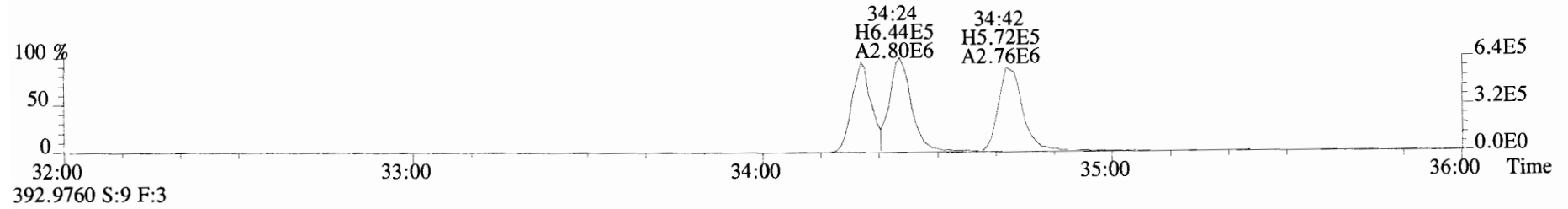
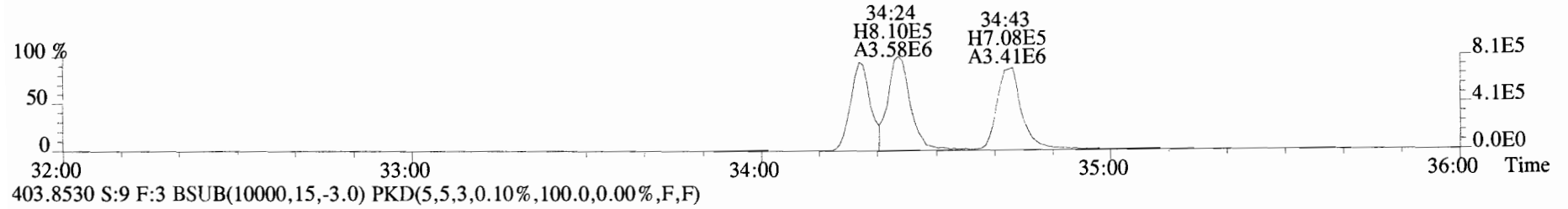
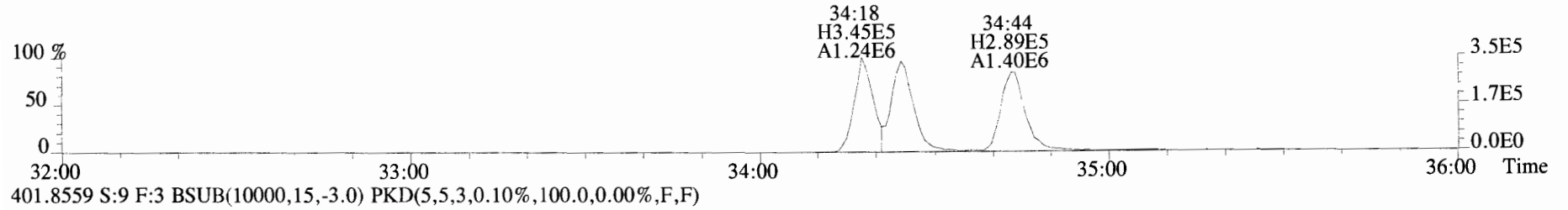
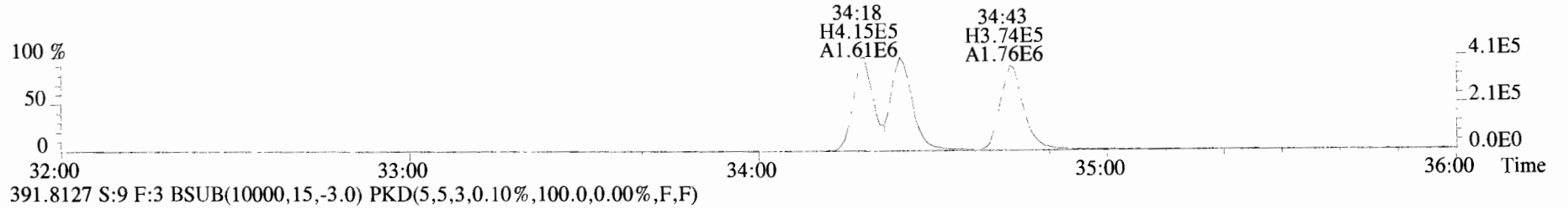
367.8949 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



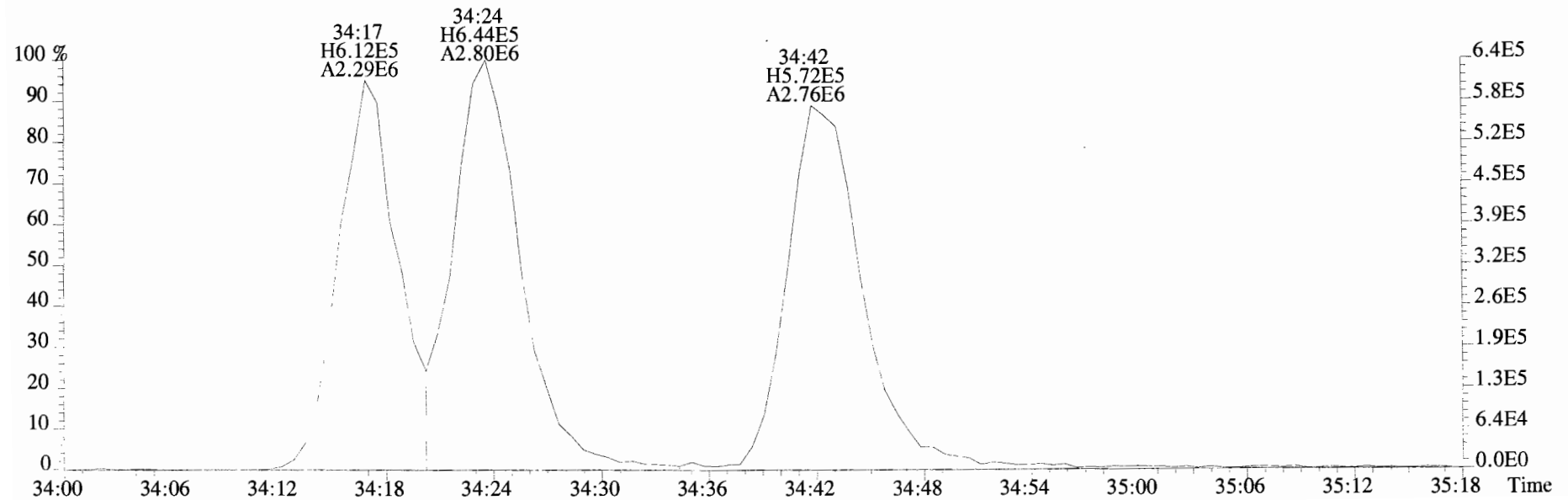
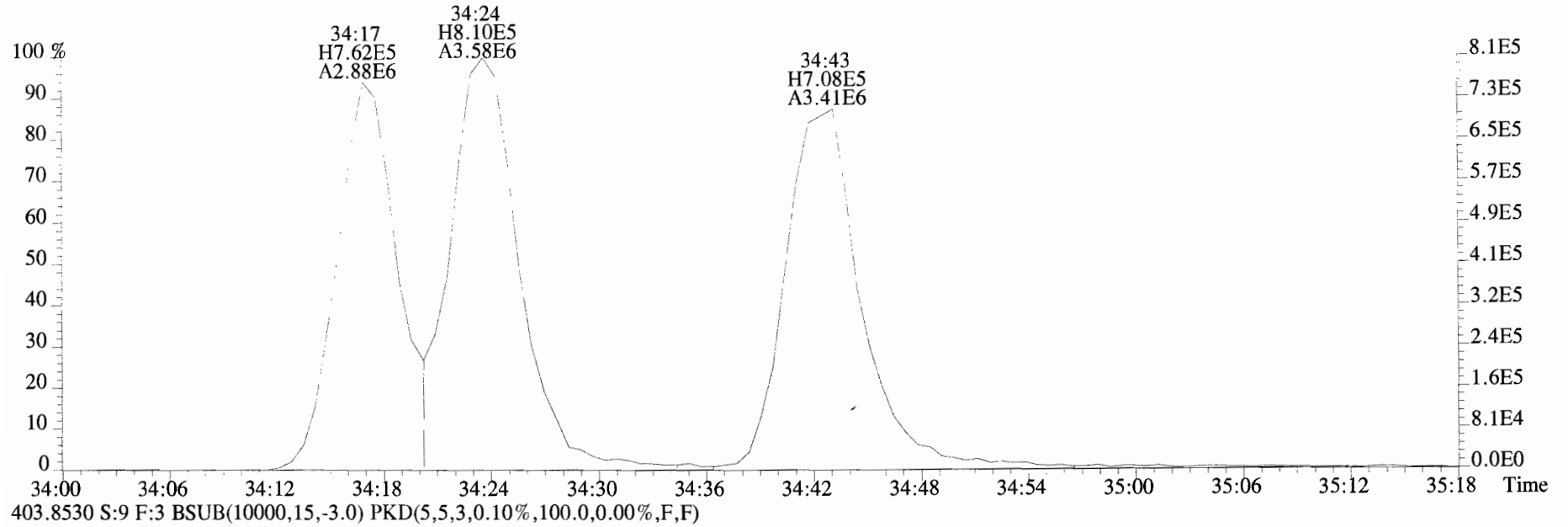
366.9792 S:9 F:2



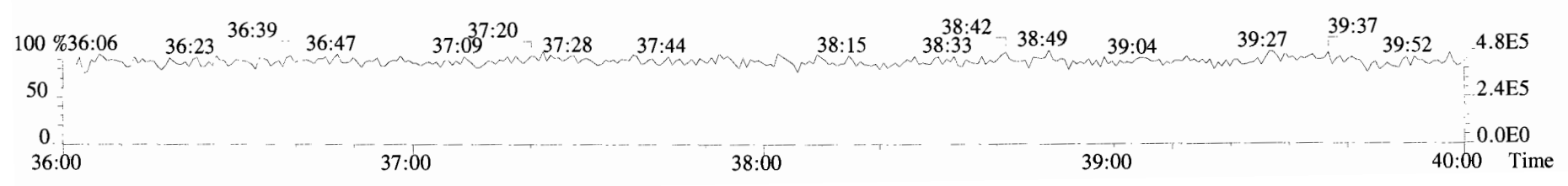
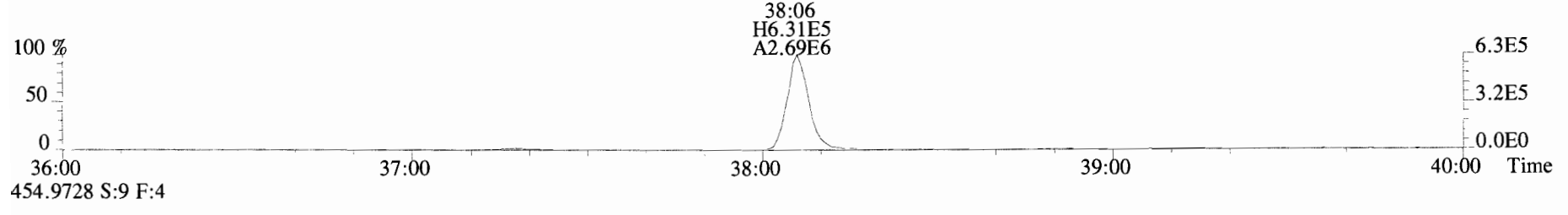
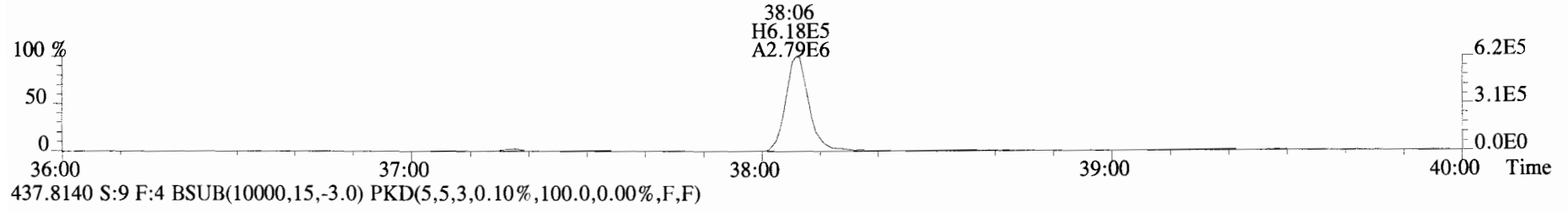
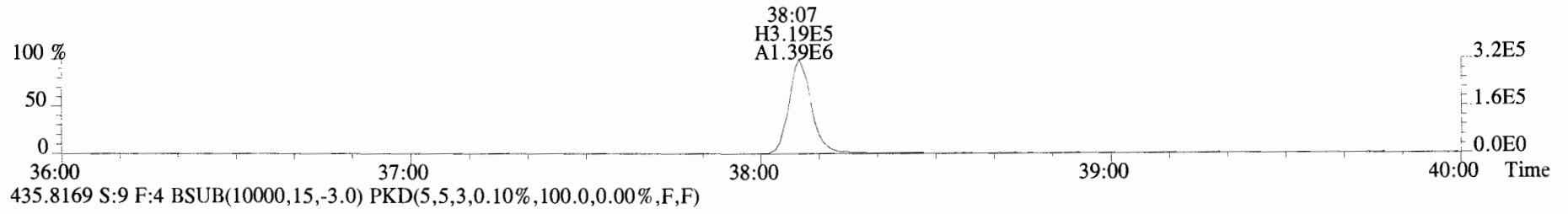
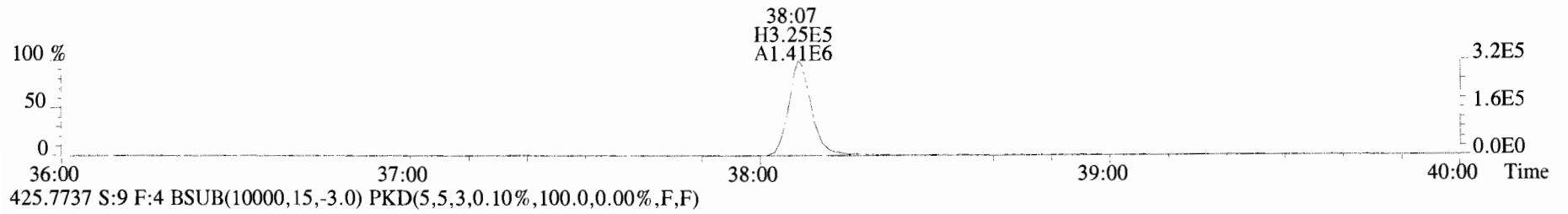
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389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



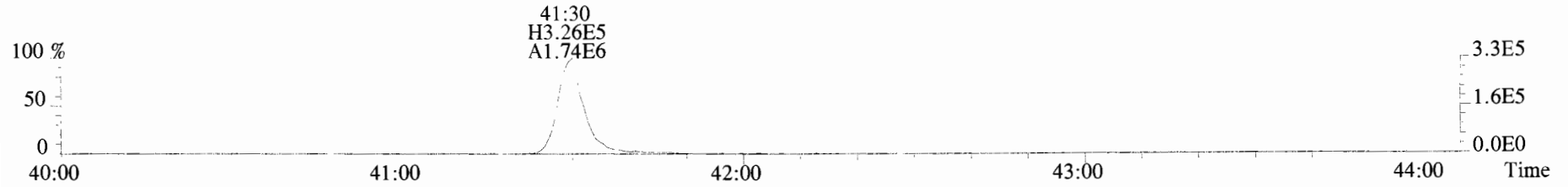
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401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



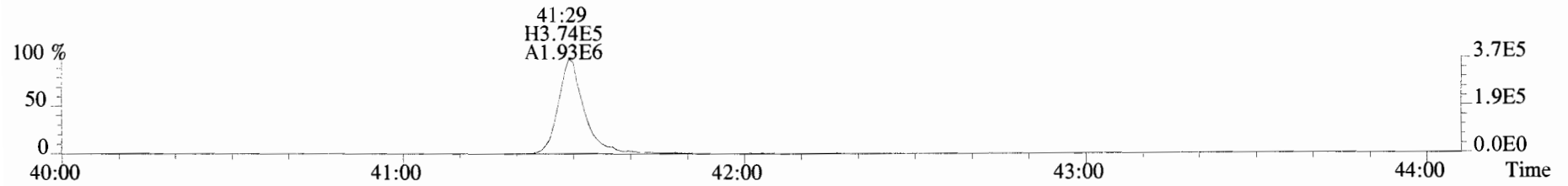
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423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



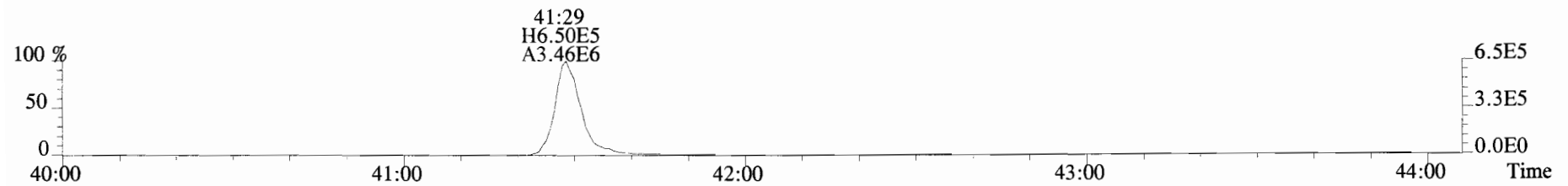
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Sample#9 File Text: Vista_Analytical_Laboratory_VG7 Text: B9J0001-BS1 OPR 10 Exp: OCDD_DB5
457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



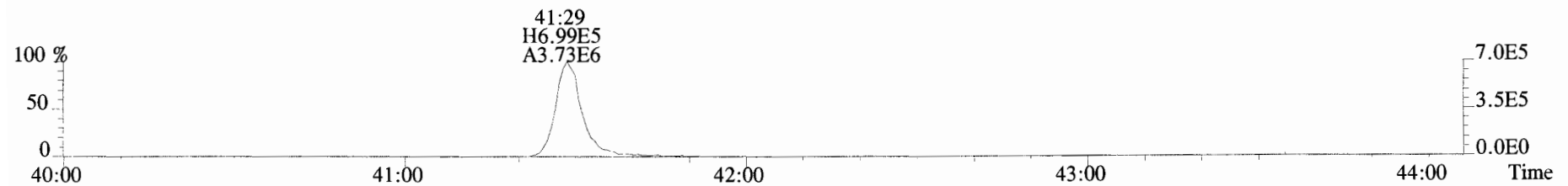
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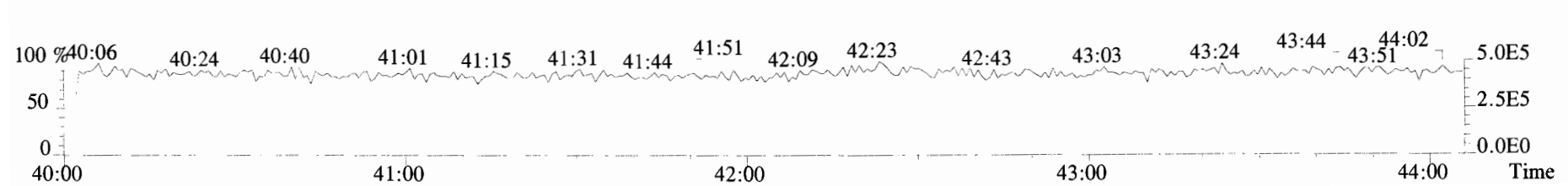
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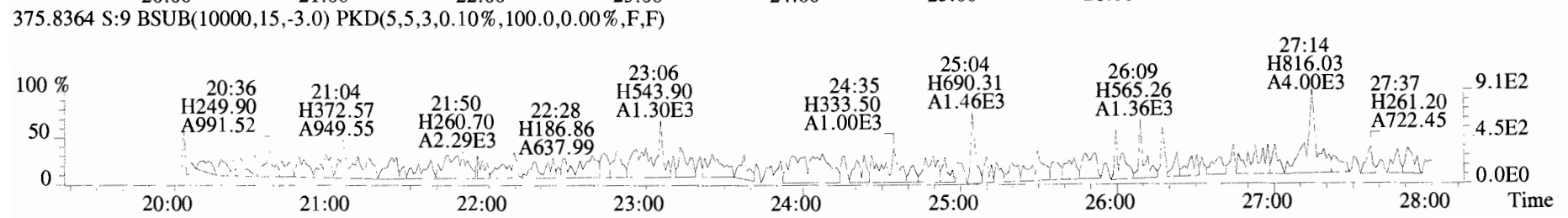
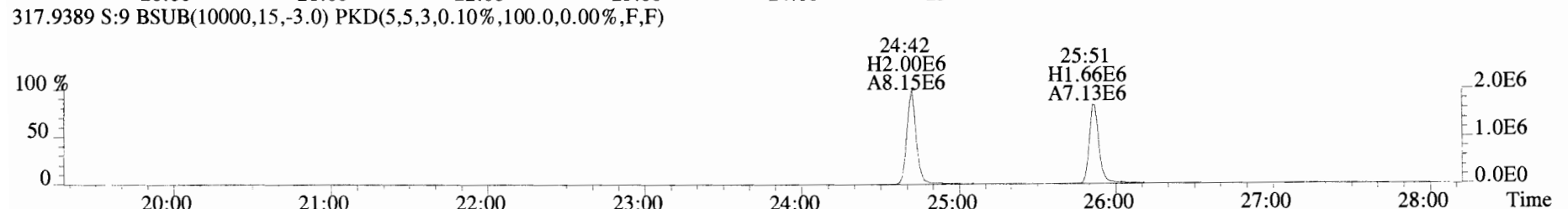
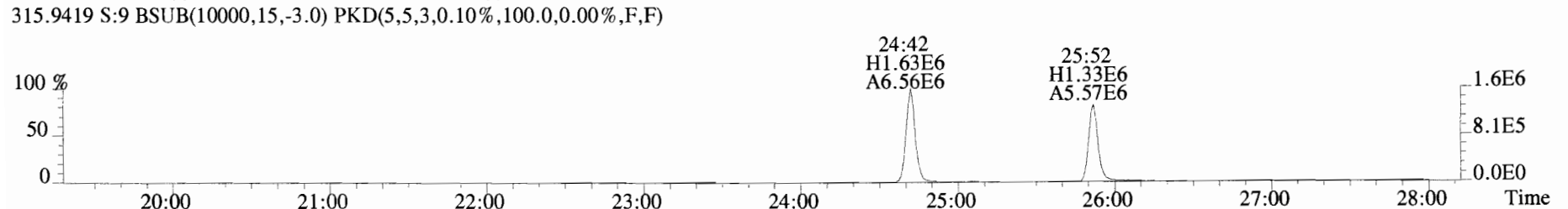
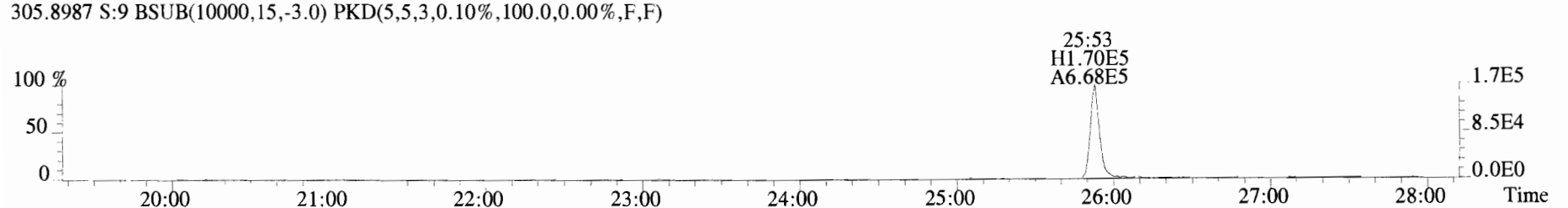
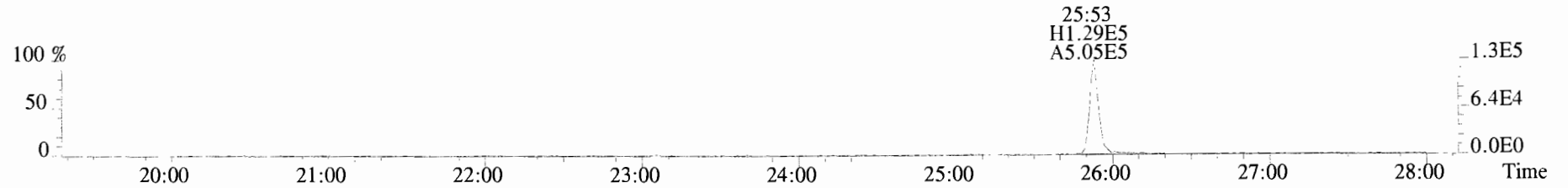
471.7750 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



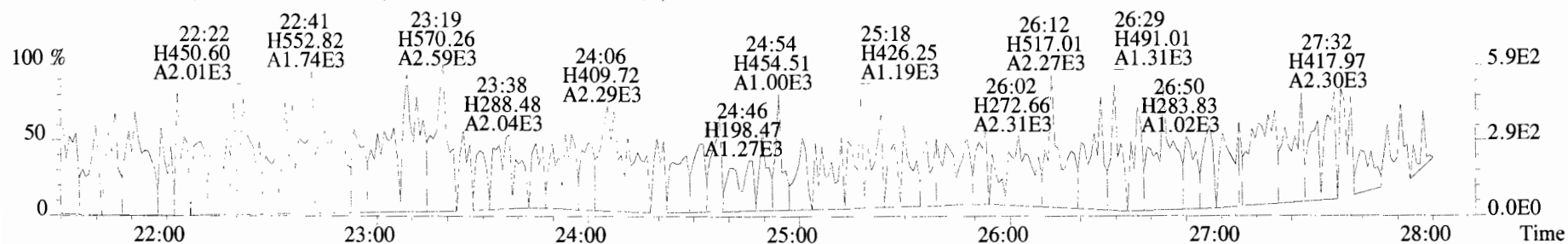
454.9728 S:9 F:5



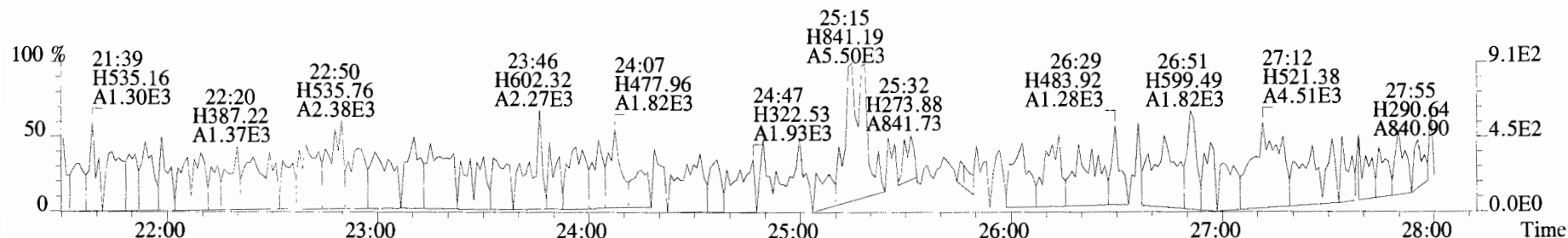
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Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BS1 OPR 10 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



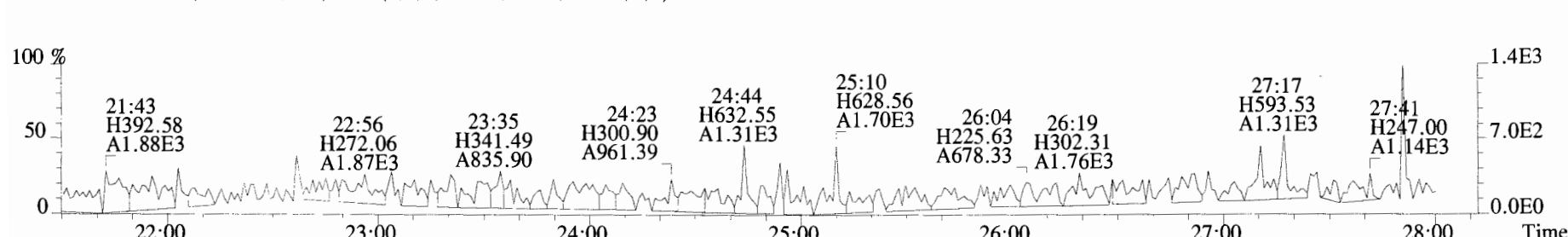
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339.8597 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



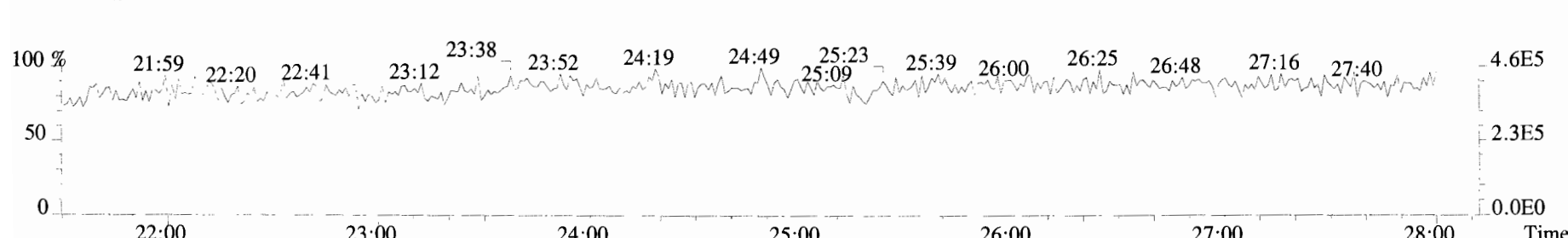
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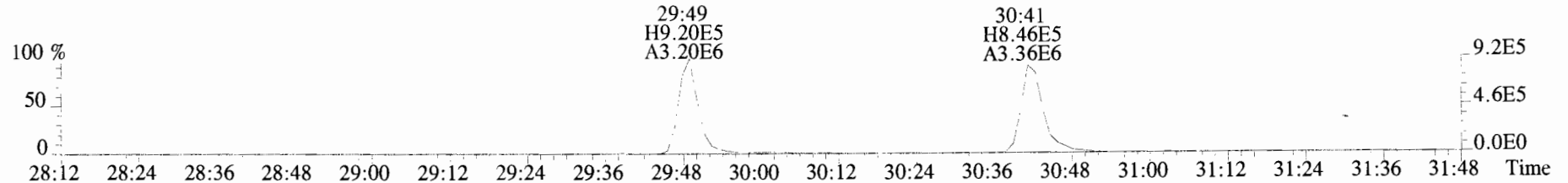
409.7974 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



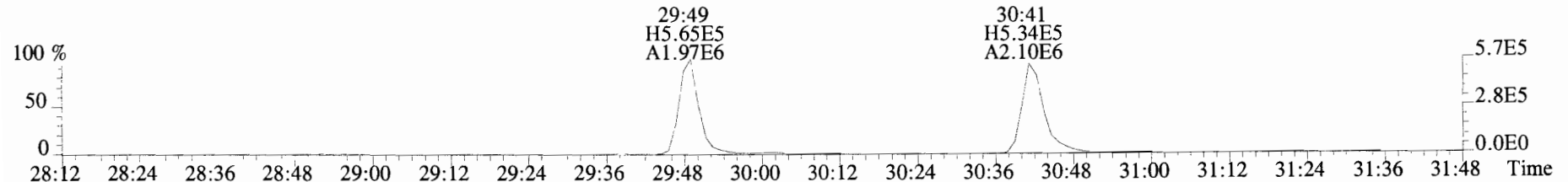
316.9824 S:9



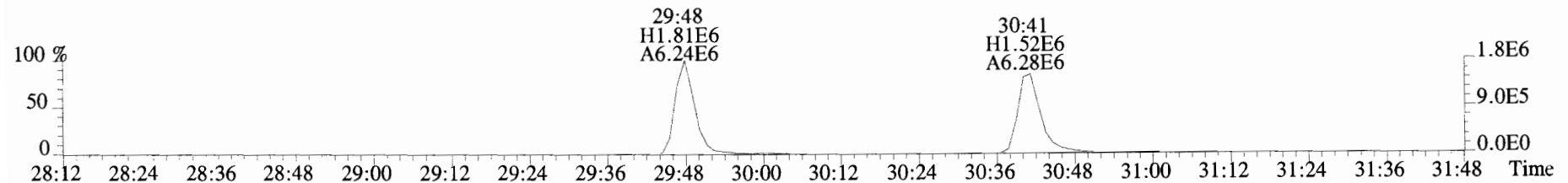
File:191009D1 #1-211 Acq: 9-OCT-2019 22:34:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BS1 OPR 10 Exp:OCDD_DB5
339.8597 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



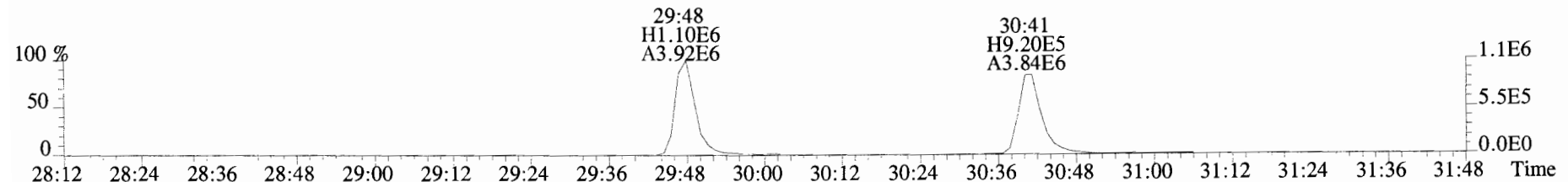
341.8568 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



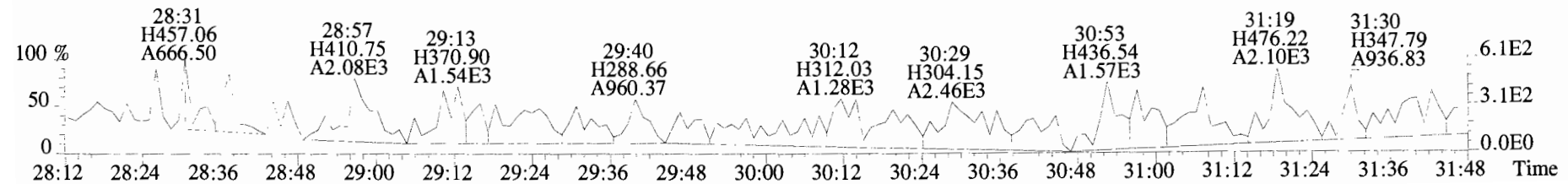
351.9000 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



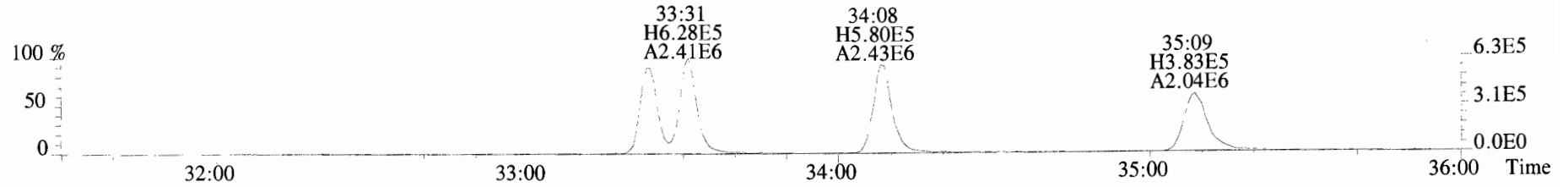
353.8970 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



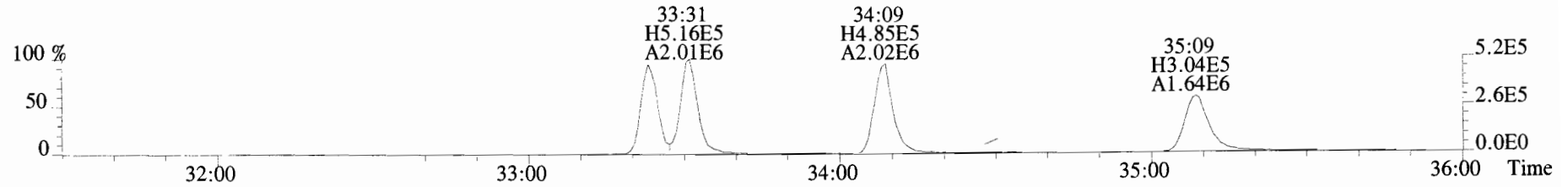
409.7974 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



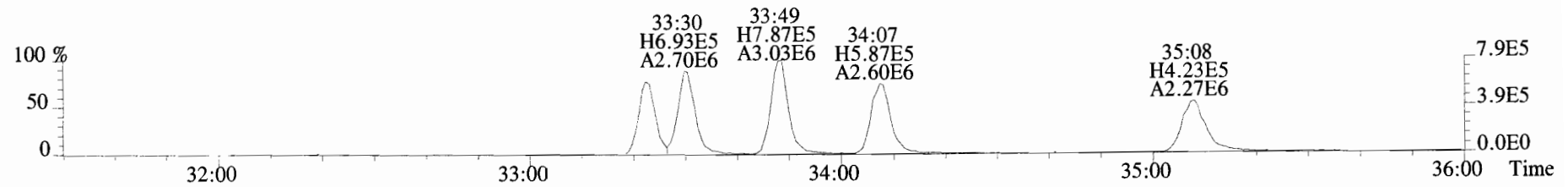
File:191009D1 #1-355 Acq: 9-OCT-2019 22:34:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:B9J0001-BS1 OPR 10 Exp:OCDD_DB5
 373.8207 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



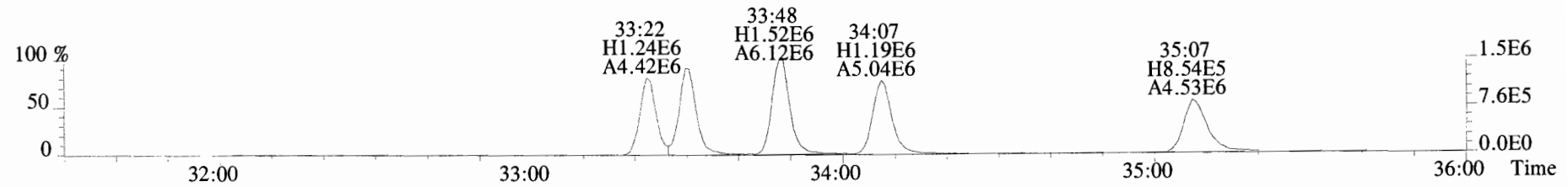
375.8178 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



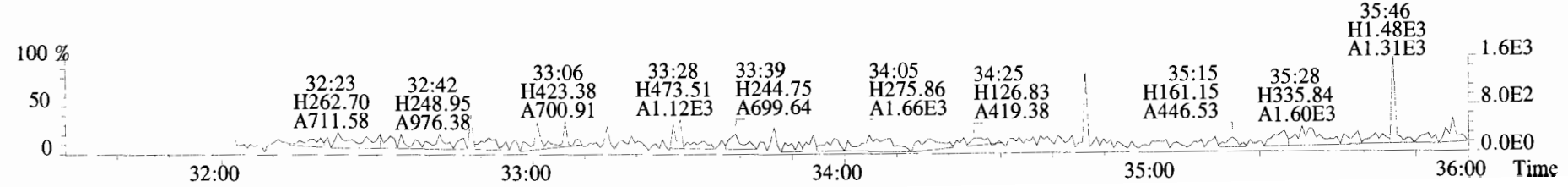
383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



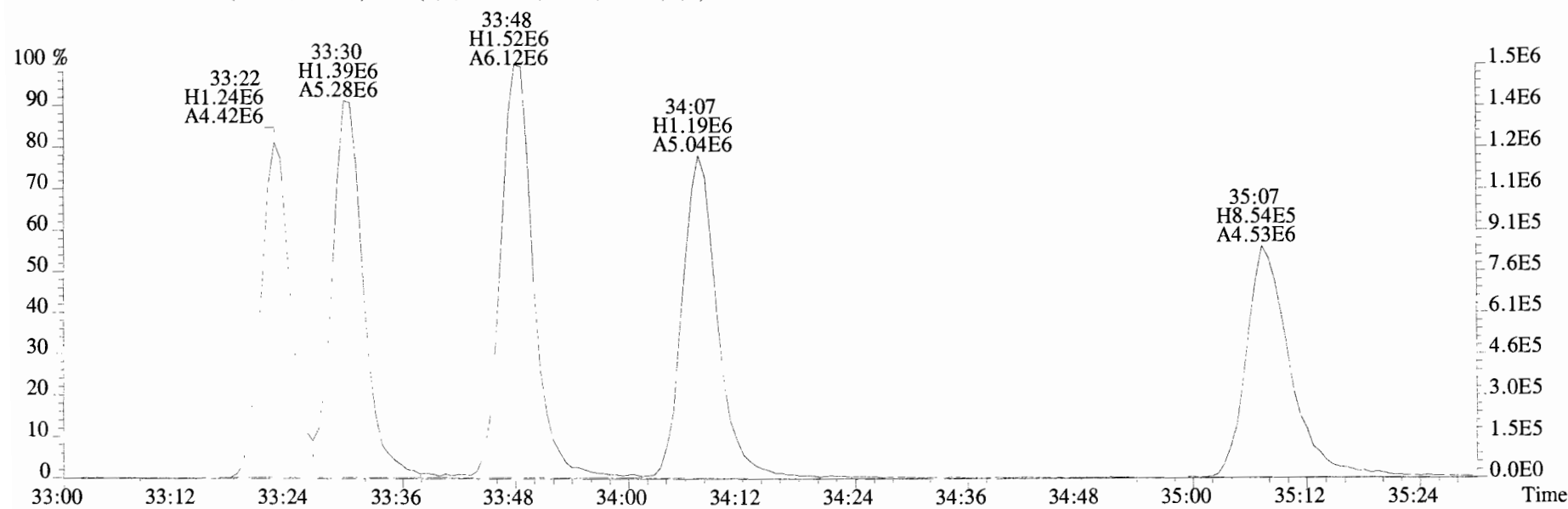
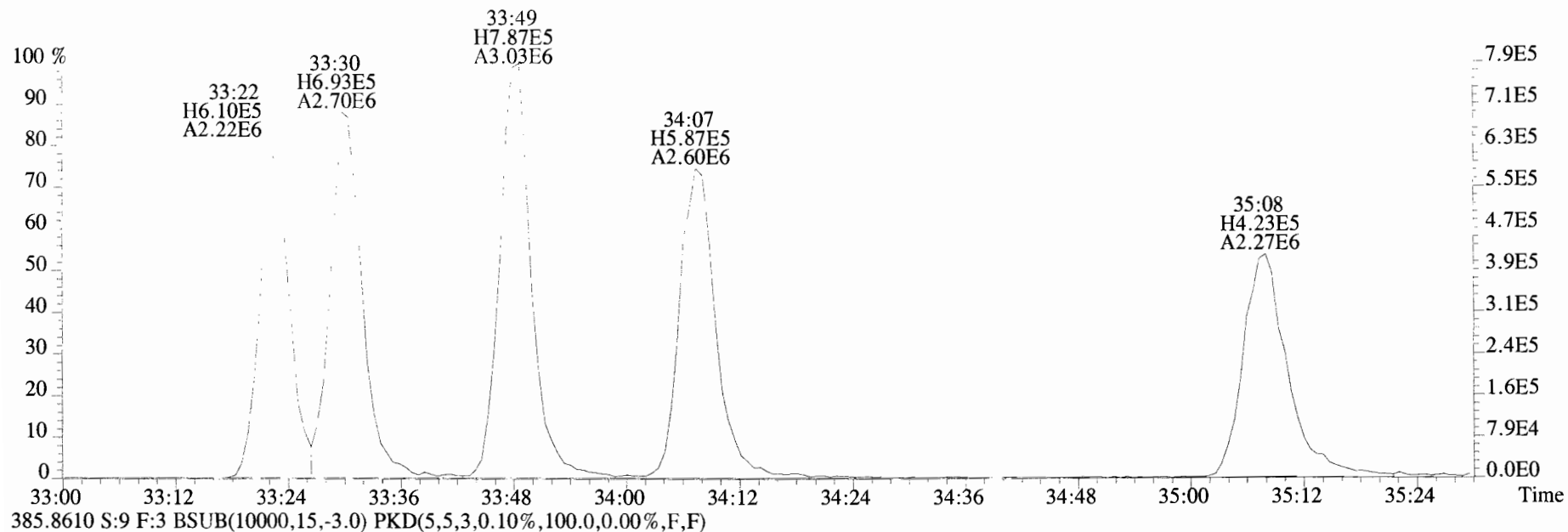
385.8610 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



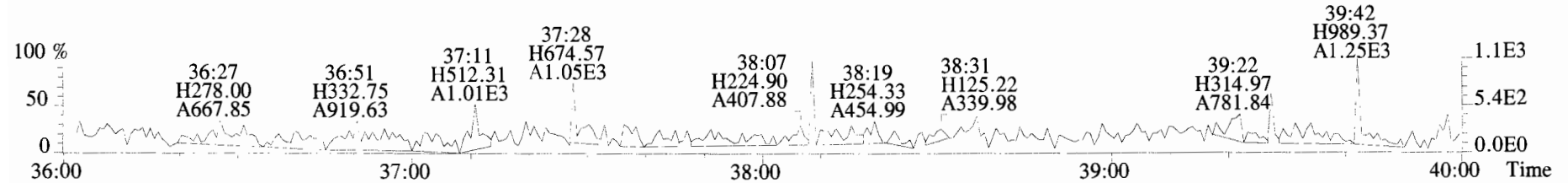
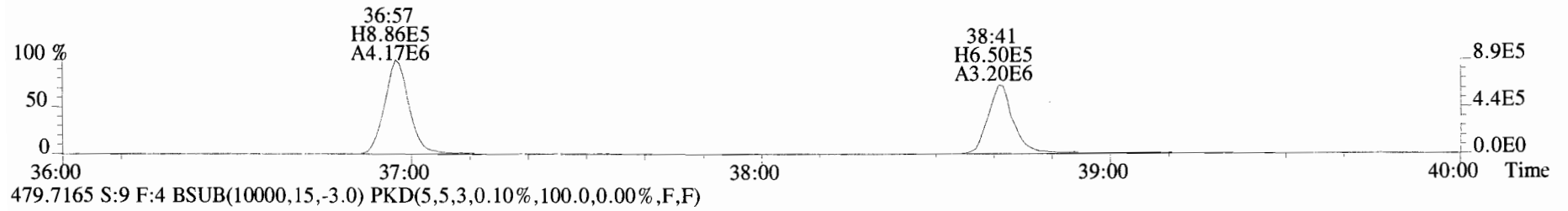
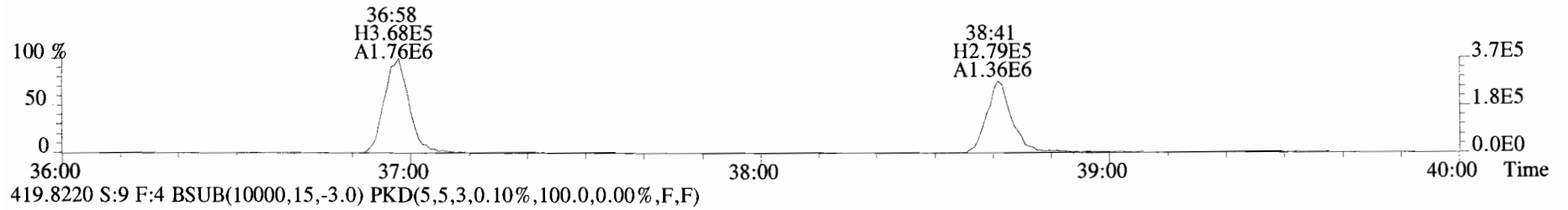
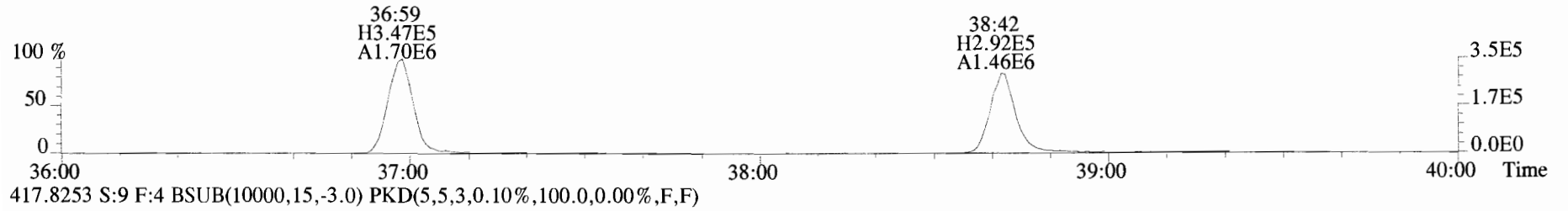
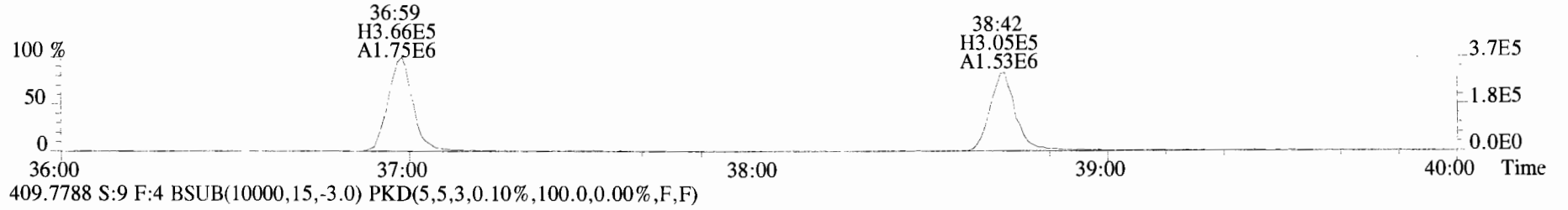
445.7555 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



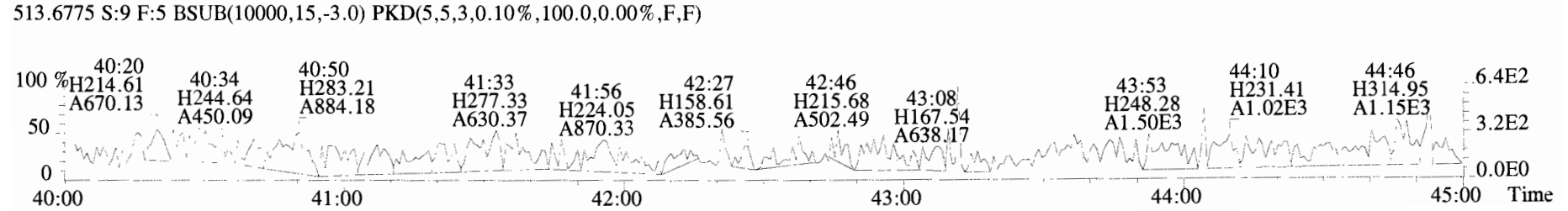
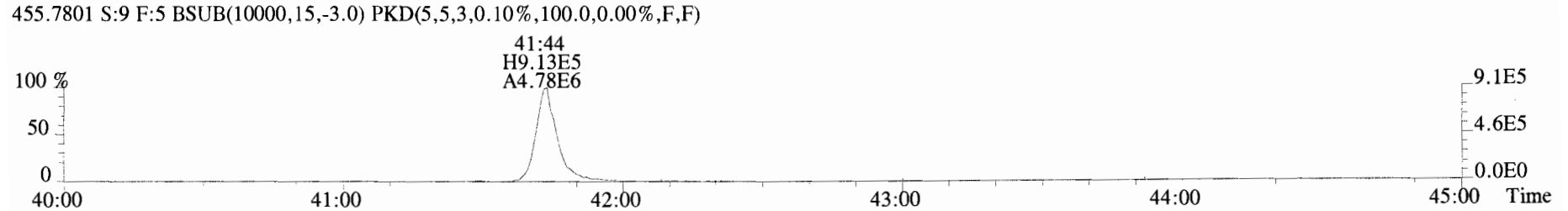
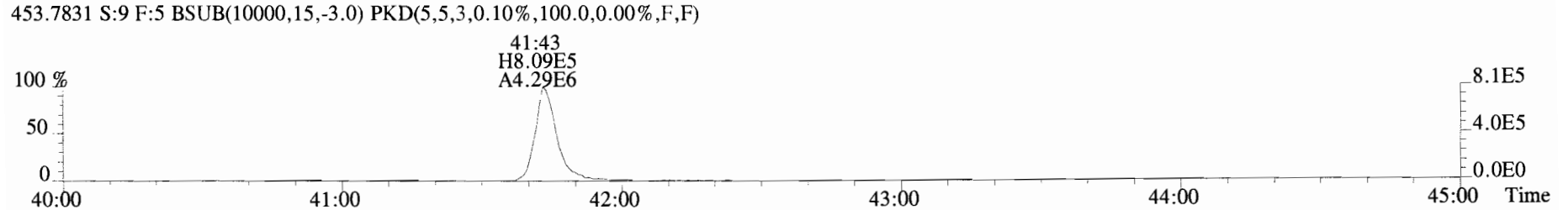
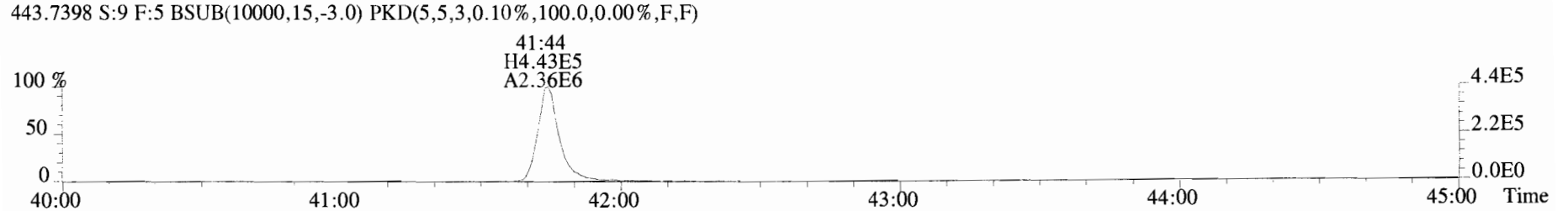
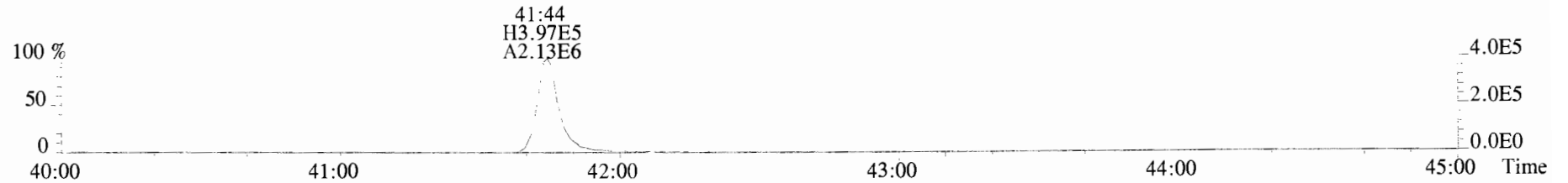
File:191009D1 #1-355 Acq: 9-OCT-2019 22:34:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BS1 OPR 10 Exp:OCDD_DB5
383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3.0.10%,100.0,0.00%,F,F)



File:191009D1 #1-355 Acq: 9-OCT-2019 22:34:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical_Laboratory_VG7 Text:B9J0001-BS1 OPR 10 Exp:OCDD_DB5
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-432 Acq: 9-OCT-2019 22:34:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0001-BS1 OPR 10 Exp:OCDD_DB5
 441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: Method Blank
Lab ID: B9J0052-BLK1

Filename: 191014D2 S:5 Acq:14-OCT-19 20:21:20
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol:10.000

ConCal: ST191014D2-1
EndCAL: ST191014D2-2

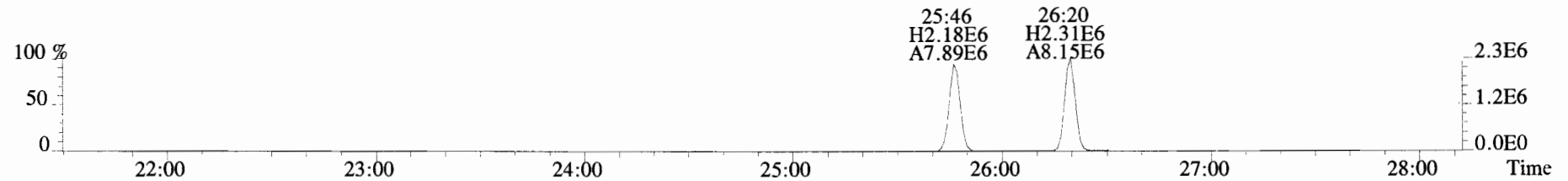
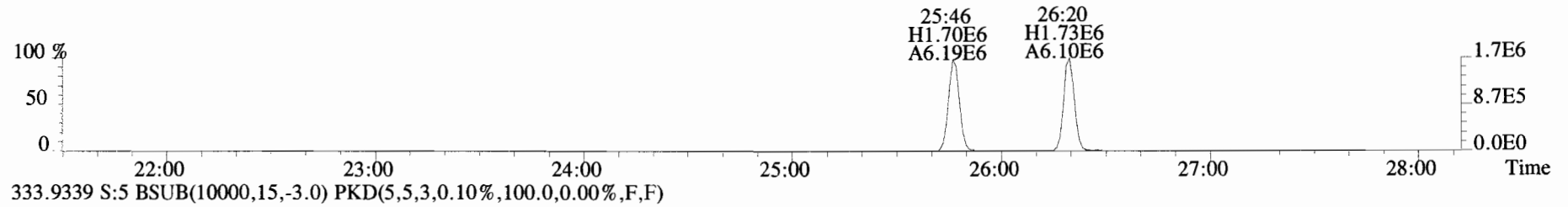
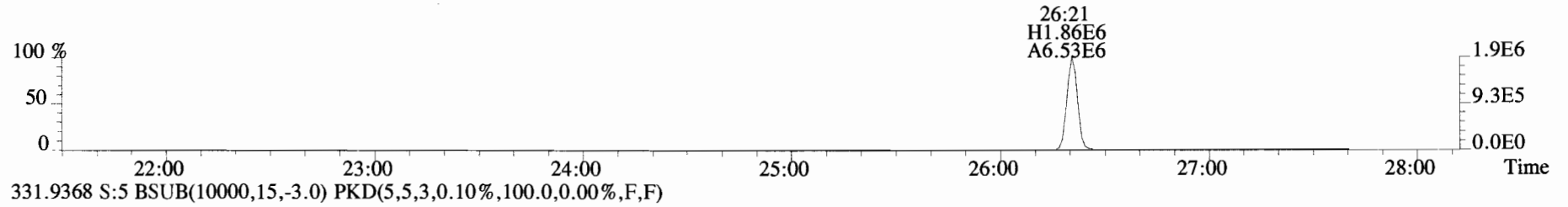
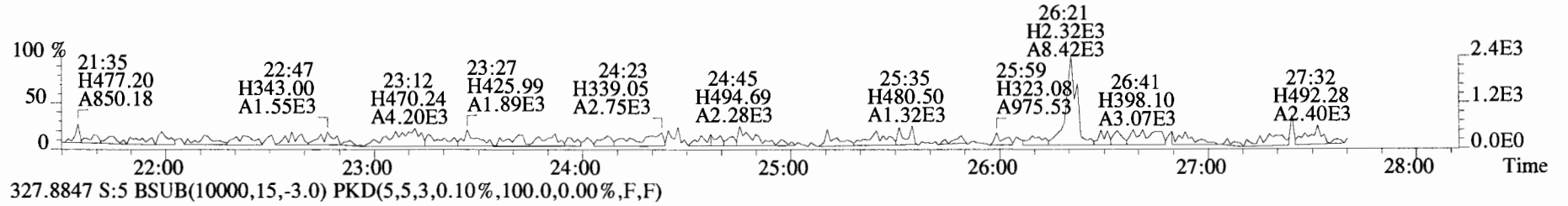
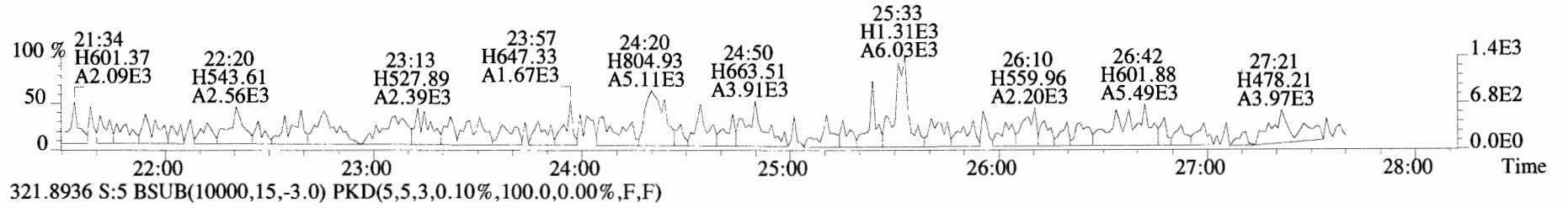
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL
2,3,7,8-TCDD	*	* n	0.91	NotF _η	*		148	2.5	0.0352
1,2,3,7,8-PeCDD	*	* n	0.90	NotF _η	*		221	2.5	0.0509
1,2,3,4,7,8-HxCDD	*	* n	1.10	NotF _η	*		118	2.5	0.0436
1,2,3,6,7,8-HxCDD	*	* n	0.94	NotF _η	*		118	2.5	0.0449
1,2,3,7,8,9-HxCDD	*	* n	0.96	NotF _η	*		118	2.5	0.0456
1,2,3,4,6,7,8-HpCDD	*	* n	0.98	NotF _η	*		114	2.5	0.0384
OCDD	*	* n	0.96	NotF _η	*		128	2.5	0.0671
2,3,7,8-TCDF	*	* n	0.95	NotF _η	*		170	2.5	0.0303
1,2,3,7,8-PeCDF	*	* n	0.96	NotF _η	*		209	2.5	0.0506
2,3,4,7,8-PeCDF	*	* n	1.01	NotF _η	*		209	2.5	0.0465
1,2,3,4,7,8-HxCDF	*	* n	1.18	NotF _η	*		119	2.5	0.0178
1,2,3,6,7,8-HxCDF	*	* n	1.07	NotF _η	*		119	2.5	0.0173
2,3,4,6,7,8-HxCDF	*	* n	1.11	NotF _η	*		119	2.5	0.0198
1,2,3,7,8,9-HxCDF	*	* n	1.06	NotF _η	*		119	2.5	0.0256
1,2,3,4,6,7,8-HpCDF	*	* n	1.13	NotF _η	*		143	2.5	0.0338
1,2,3,4,7,8,9-HpCDF	*	* n	1.28	NotF _η	*		143	2.5	0.0297
OCDF	7.63e+03	0.63 n	0.95	41:29	0.182		*	2.5	*

							Rec	Qual
IS	13C-2,3,7,8-TCDD	1.42e+07	0.75 y	1.10	26:20	185	92.3	
IS	13C-1,2,3,7,8-PeCDD	1.12e+07	0.62 y	0.88	30:47	181	90.3	
IS	13C-1,2,3,4,7,8-HxCDD	9.32e+06	1.23 y	0.64	34:07	206	103	
IS	13C-1,2,3,6,7,8-HxCDD	9.91e+06	1.24 y	0.86	34:13	165	82.3	
IS	13C-1,2,3,7,8,9-HxCDD	1.00e+07	1.21 y	0.81	34:31	176	88.0	
IS	13C-1,2,3,4,6,7,8-HpCDD	8.79e+06	1.04 y	0.65	37:57	191	95.5	
IS	13C-OCDD	1.43e+07	0.92 y	0.58	41:15	352	87.9	
IS	13C-2,3,7,8-TCDF	1.98e+07	0.80 y	1.03	25:33	190	95.2	
IS	13C-1,2,3,7,8-PeCDF	1.82e+07	1.58 y	0.85	29:38	211	106	
IS	13C-2,3,4,7,8-PeCDF	1.75e+07	1.59 y	0.85	30:30	205	103	
IS	13C-1,2,3,4,7,8-HxCDF	1.23e+07	0.51 y	0.83	33:13	210	105	
IS	13C-1,2,3,6,7,8-HxCDF	1.47e+07	0.51 y	1.03	33:21	201	101	
IS	13C-2,3,4,6,7,8-HxCDF	1.34e+07	0.51 y	0.95	33:56	200	99.9	
IS	13C-1,2,3,7,8,9-HxCDF	1.16e+07	0.52 y	0.83	34:54	199	99.3	
IS	13C-1,2,3,4,6,7,8-HpCDF	9.98e+06	0.41 y	0.76	36:45	187	93.6	
IS	13C-1,2,3,4,7,8,9-HpCDF	8.54e+06	0.43 y	0.58	38:30	209	104	
IS	13C-OCDF	1.78e+07	0.90 y	0.69	41:29	366	91.5	
C/Up	37Cl-2,3,7,8-TCDD	6.53e+06		1.20	26:21	77.4	96.8	Intergrations
RS/RT	13C-1,2,3,4-TCDD	1.41e+07	0.78 y	1.00	25:46	200		by
RS	13C-1,2,3,4-TCDF	2.01e+07	0.82 y	1.00	24:22	200		Analyst: <u>DB</u>
	13C-1,2,3,4,6,9-HxCDF	1.41e+07	0.53 y	1.00	33:38	200		CT

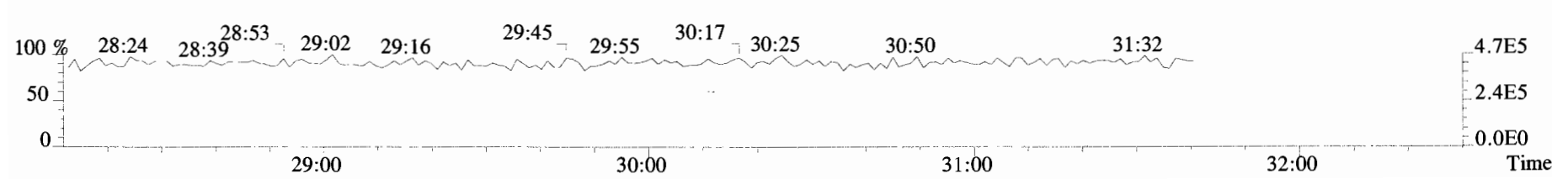
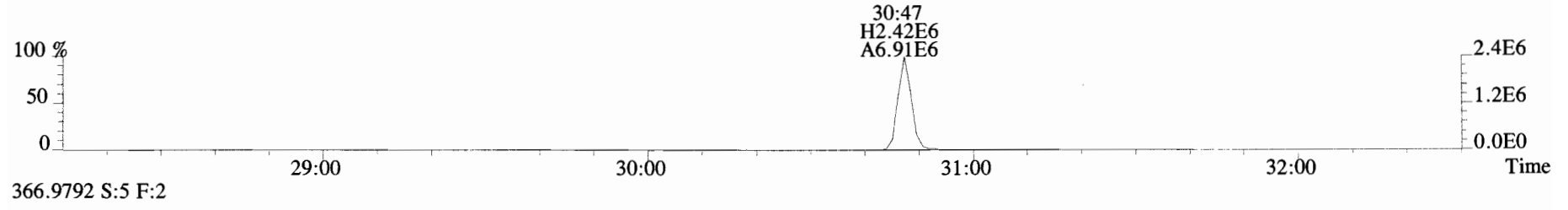
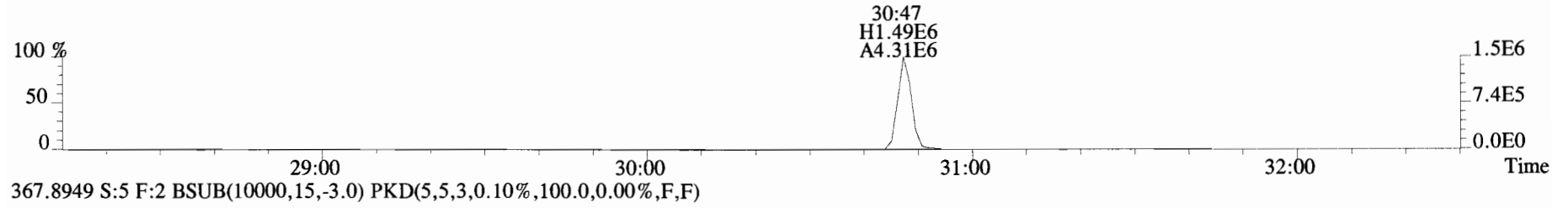
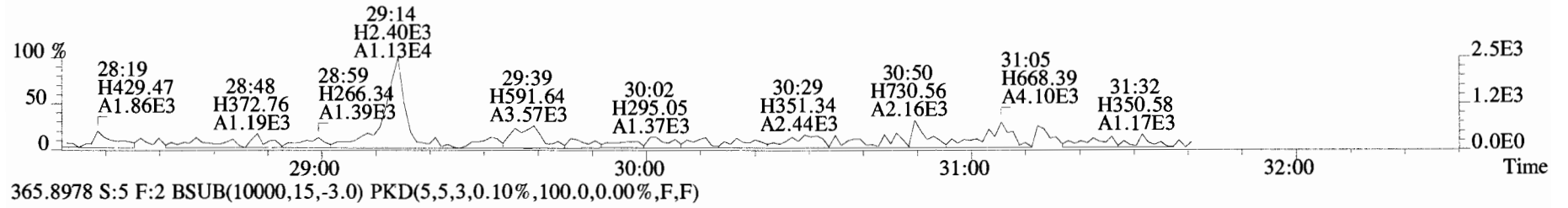
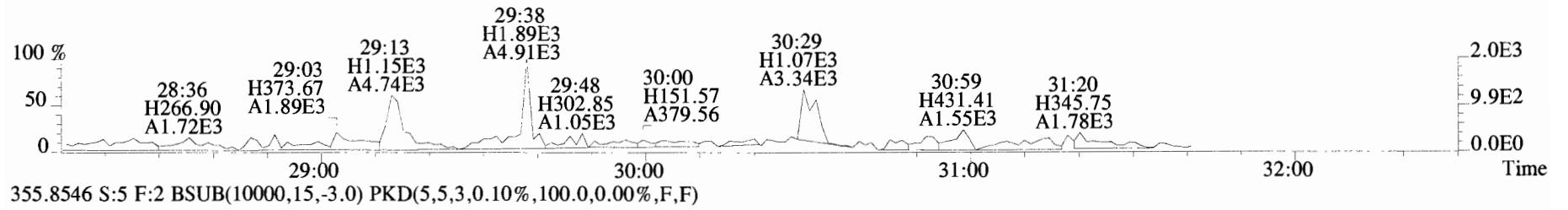
Date: 10/15/19

10/15/19

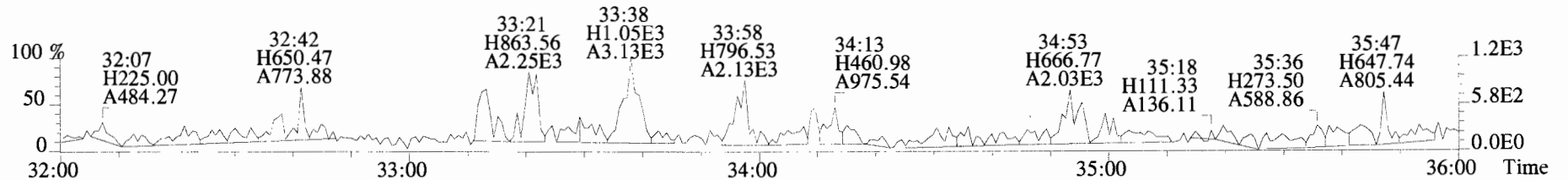
File:191014D2 #1-492 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



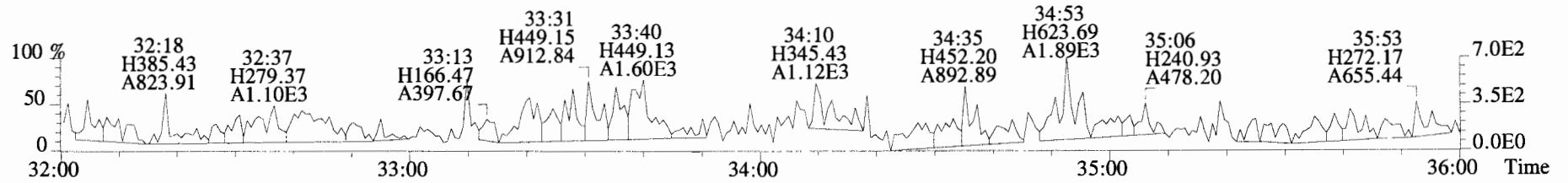
File:191014D2 #1-211 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
 353.8576 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



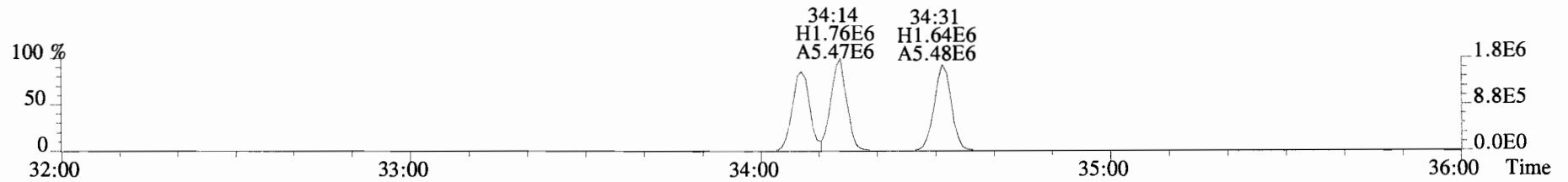
File: 191014D2 #1-385 Acq: 14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text: Vista_Analytical_Laboratory_VG7 Text: B9J0052-BLK1 Method Blank 10 Exp: OCDD_DB5
 389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



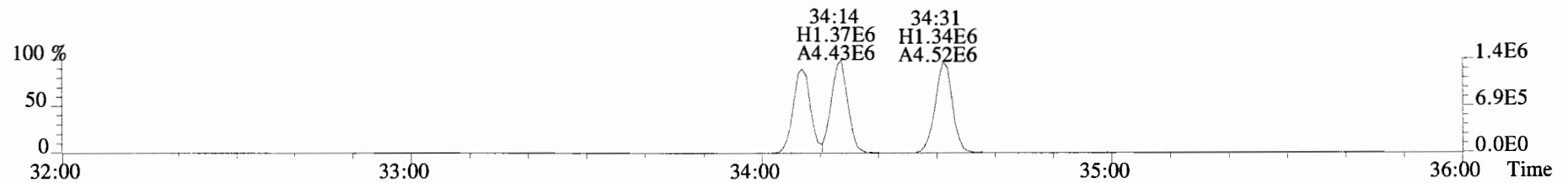
391.8127 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



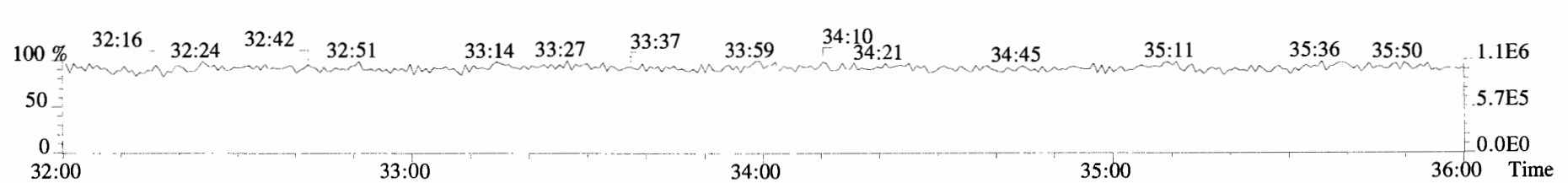
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



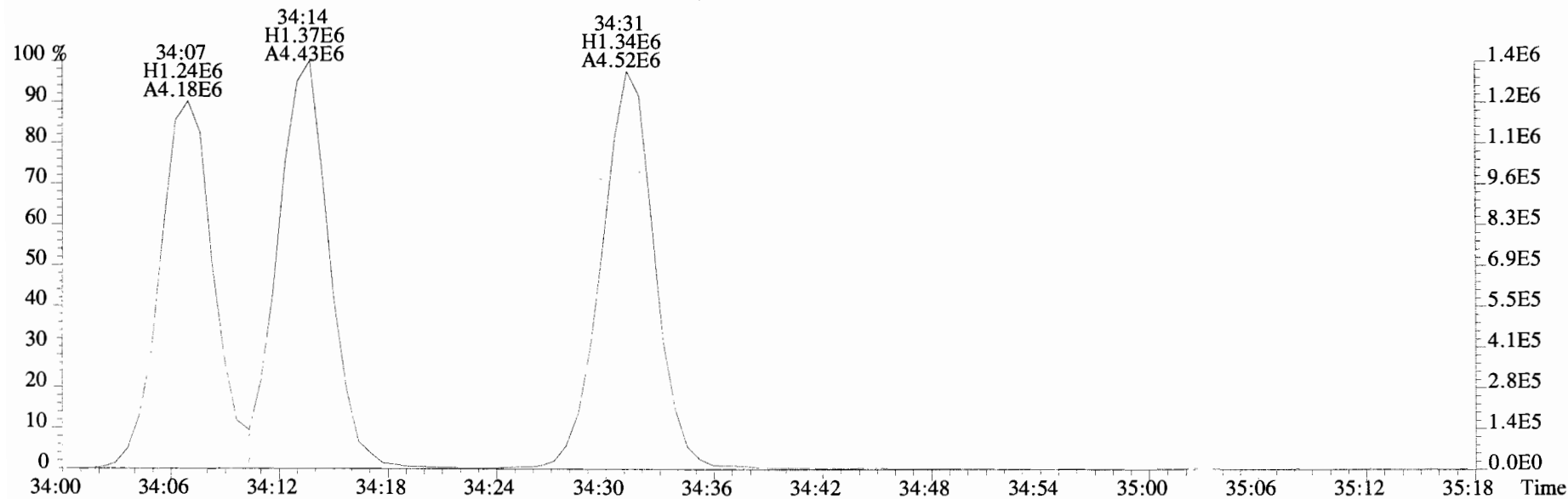
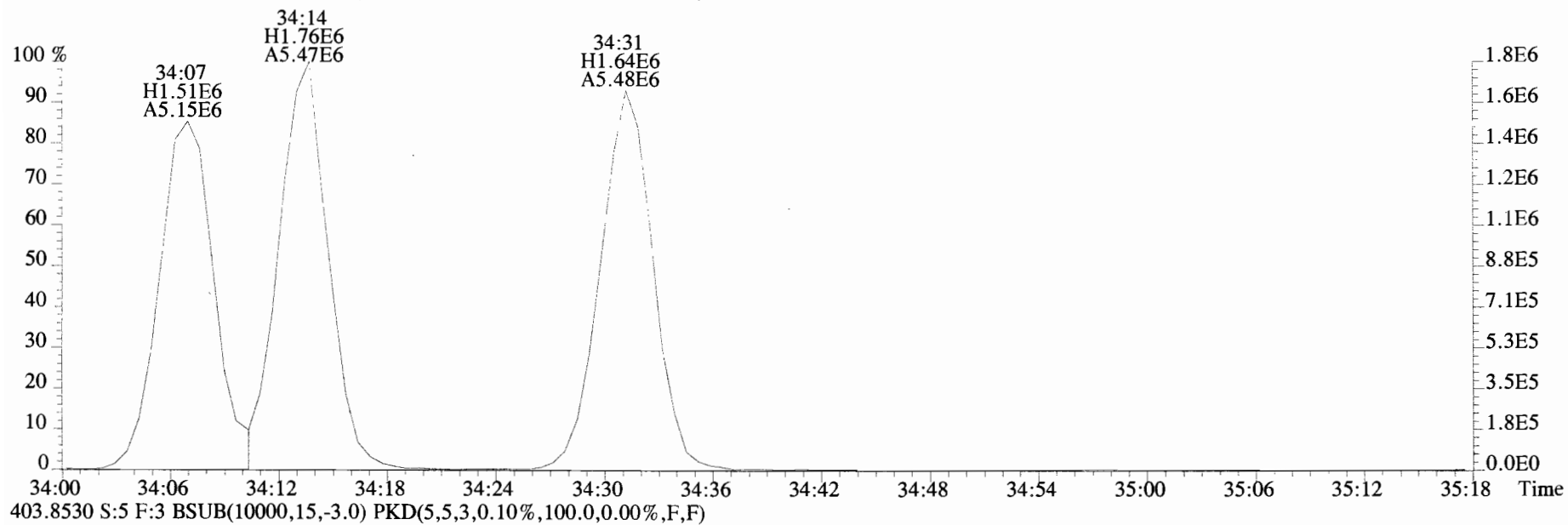
403.8530 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



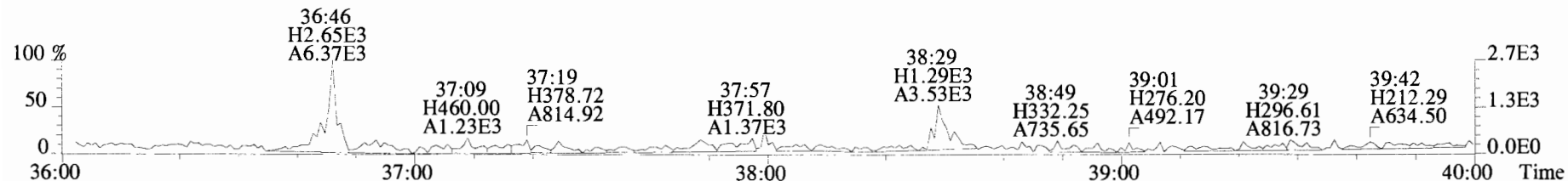
392.9760 S:5 F:3



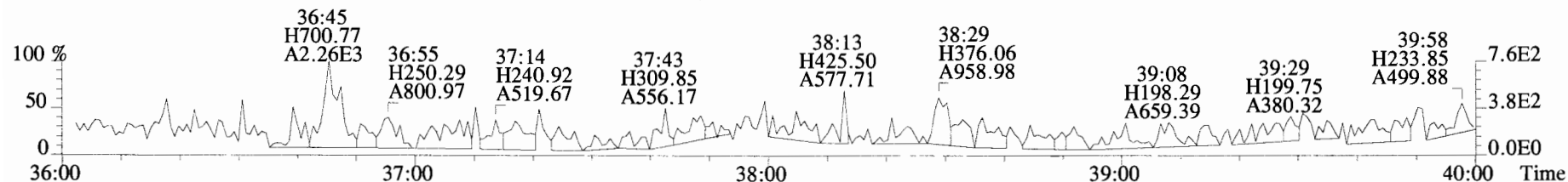
File:191014D2 #1-385 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



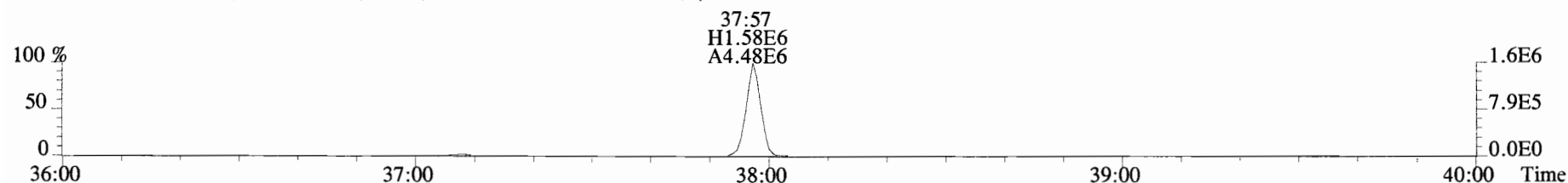
File:191014D2 #1-355 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



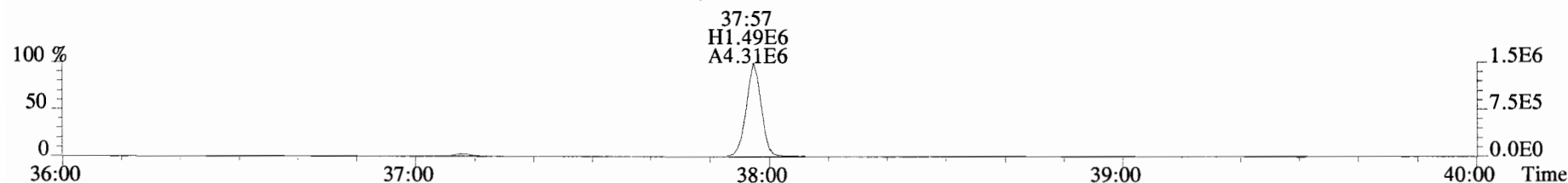
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



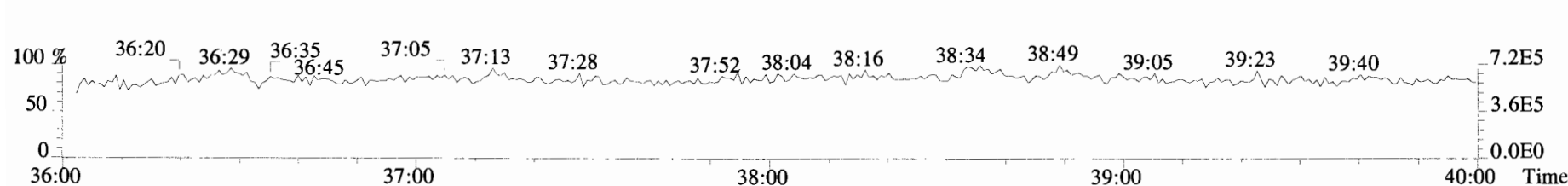
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



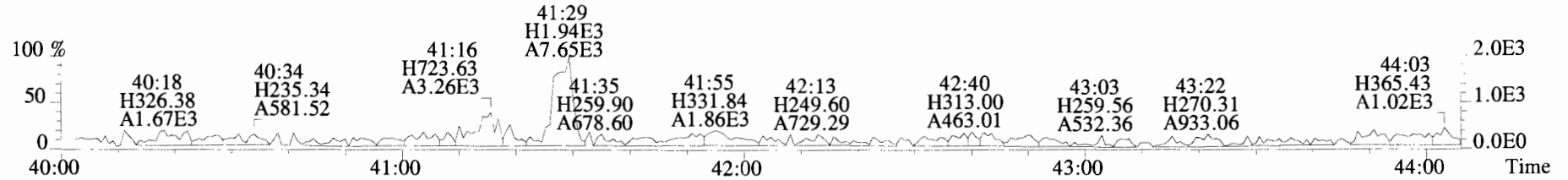
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



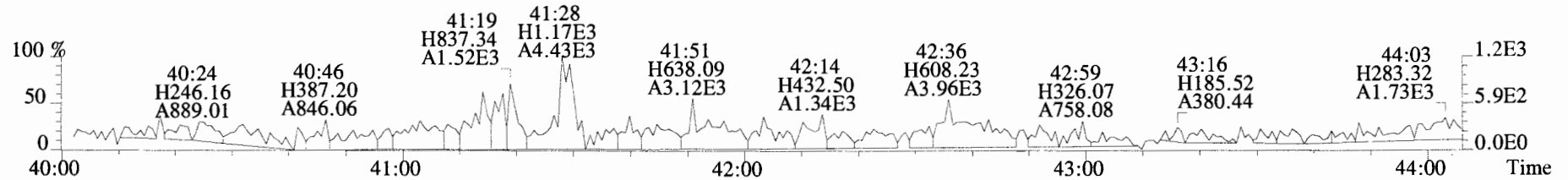
454.9728 S:5 F:4



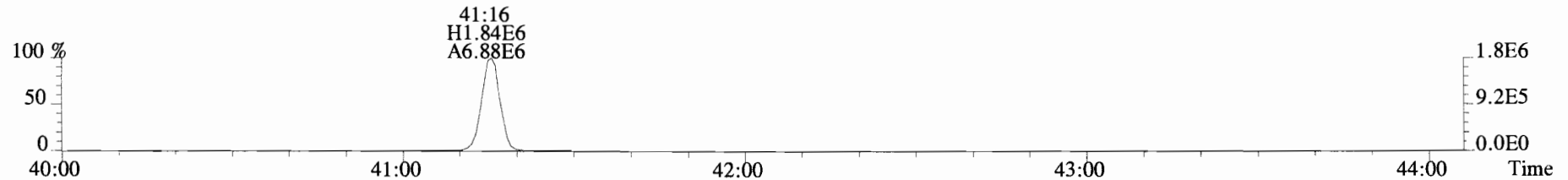
File:191014D2 #1-432 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



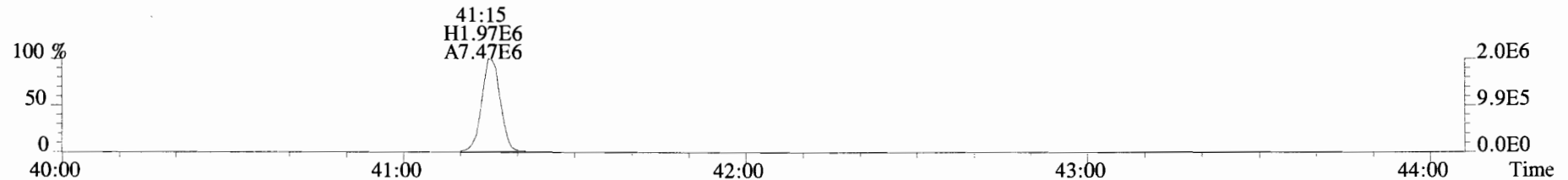
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



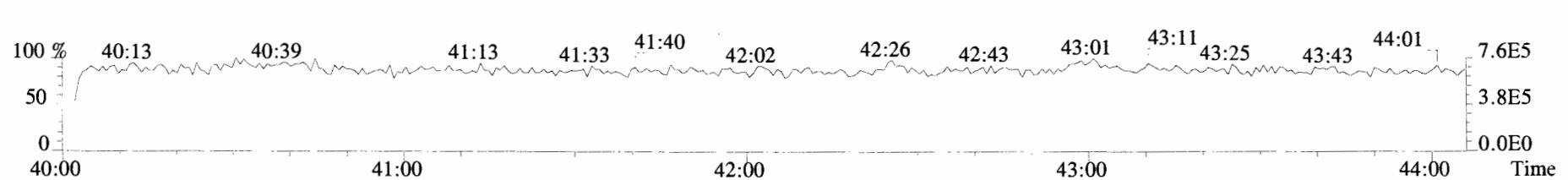
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



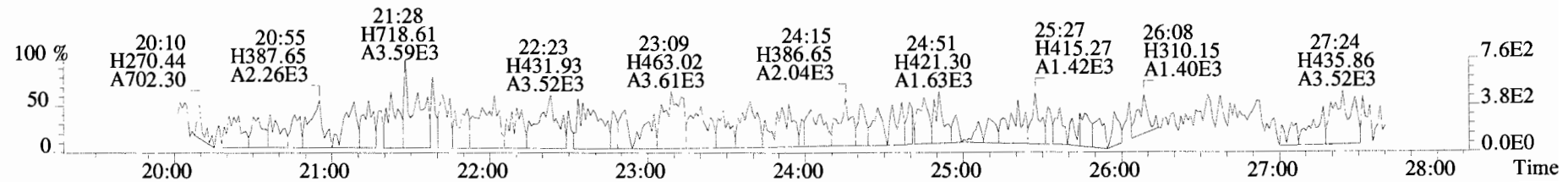
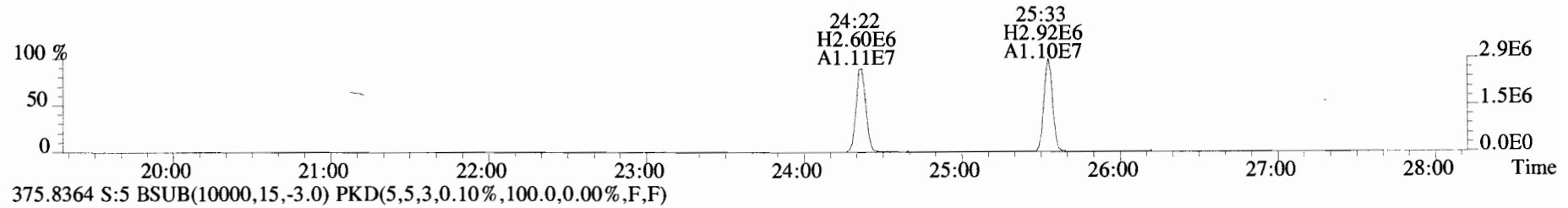
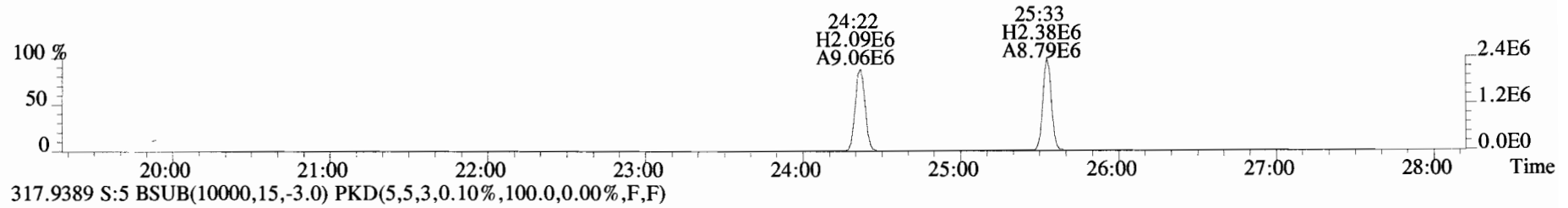
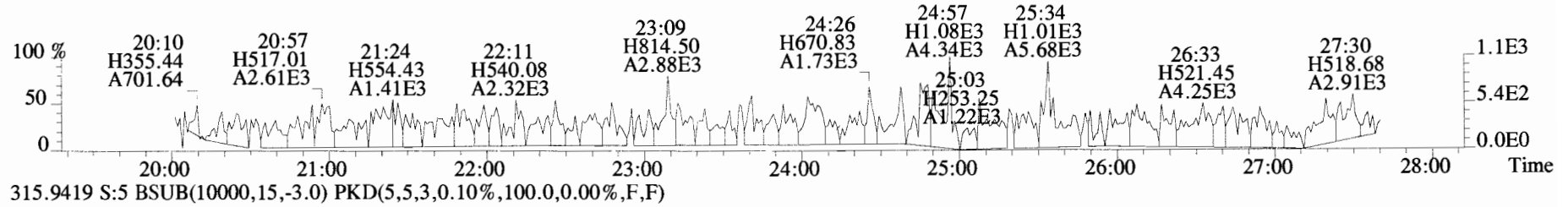
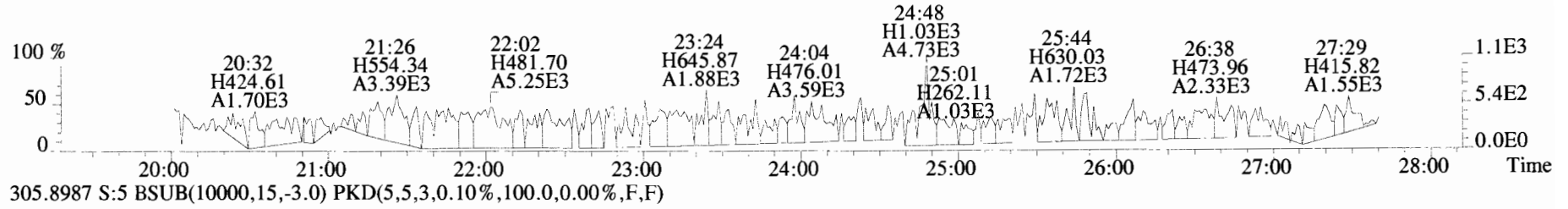
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



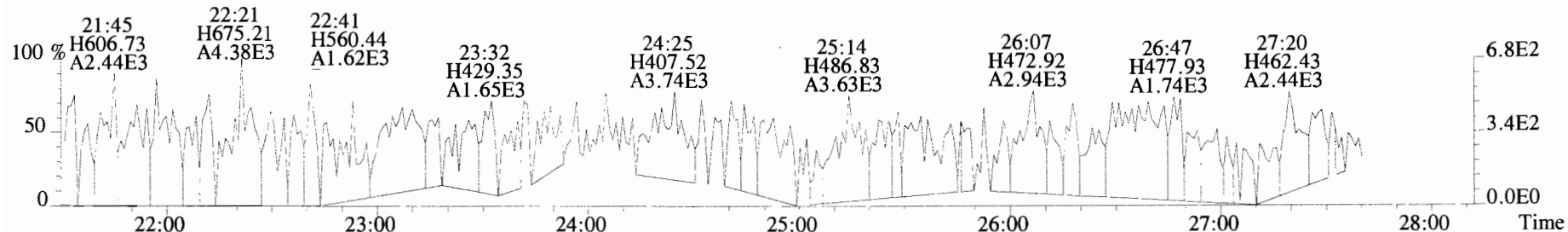
454.9728 S:5 F:5



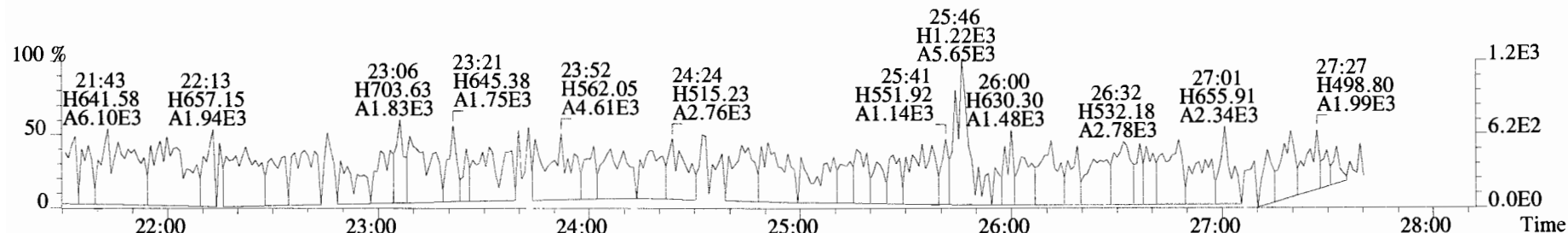
File:191014D2 #1-492 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
 303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



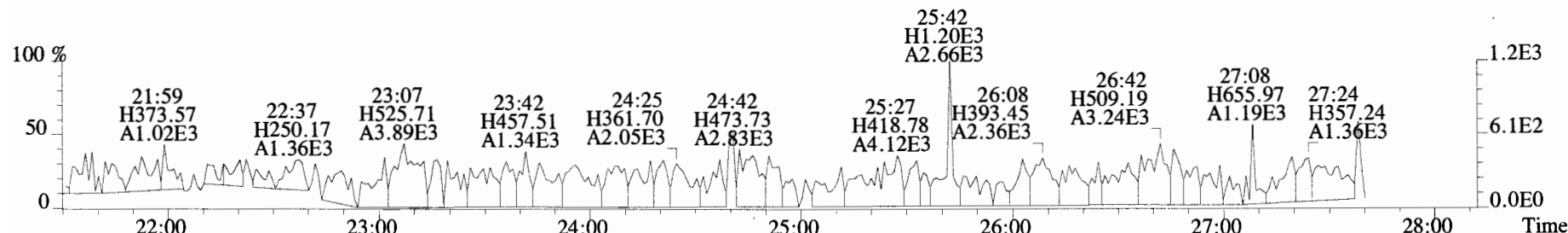
File:191014D2 #1-492 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



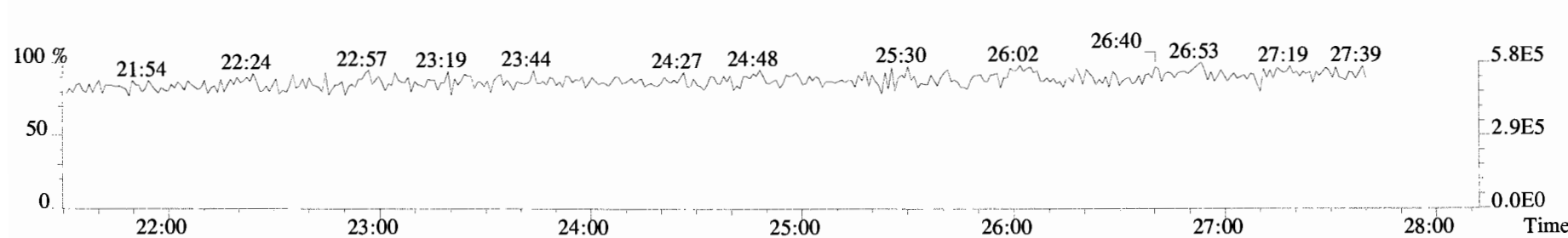
341.8568 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



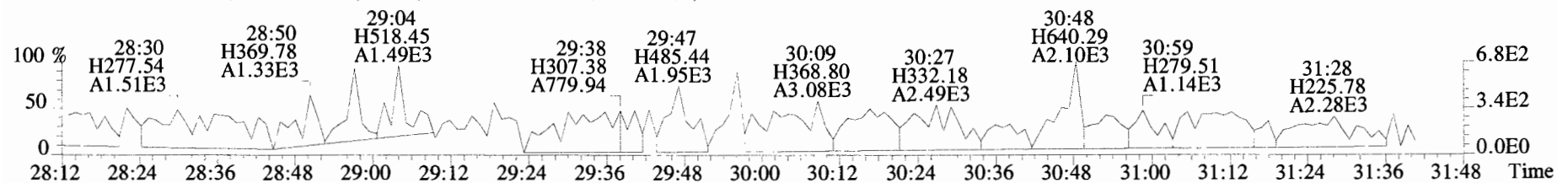
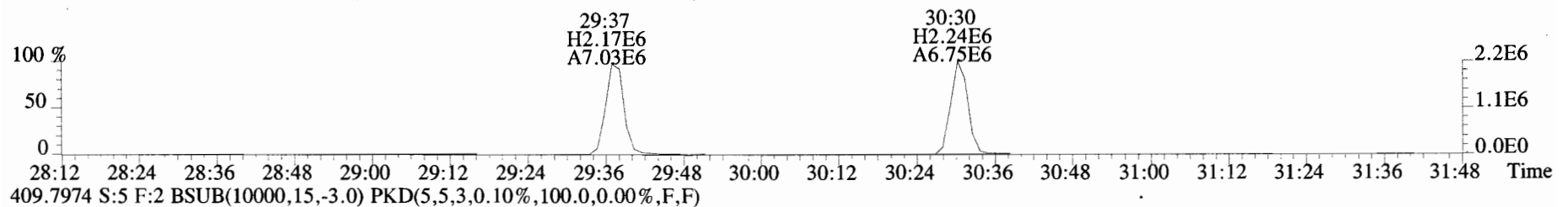
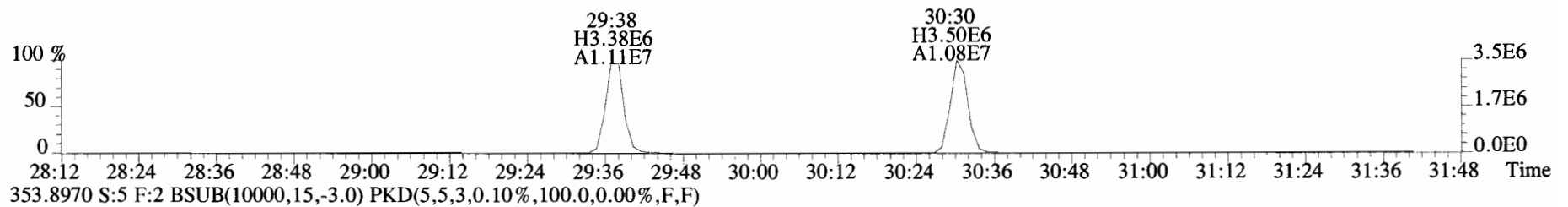
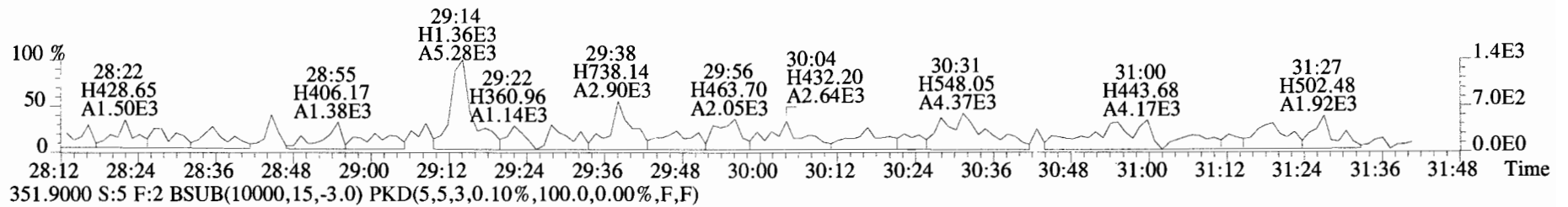
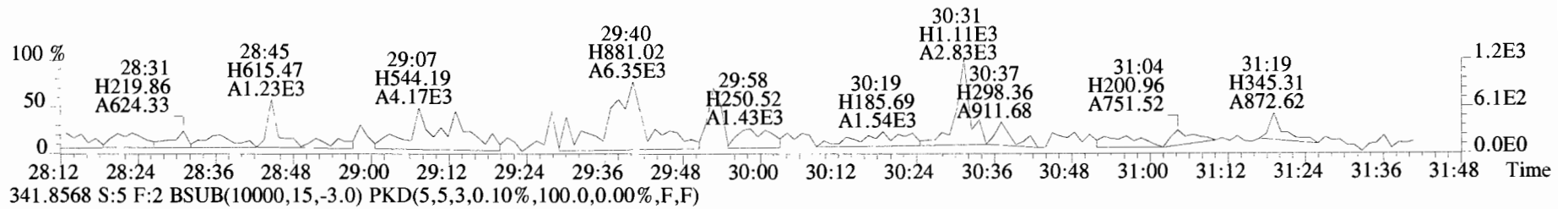
409.7974 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



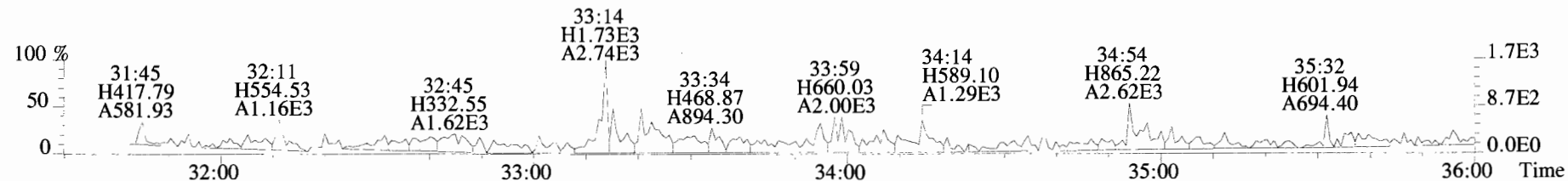
316.9824 S:5



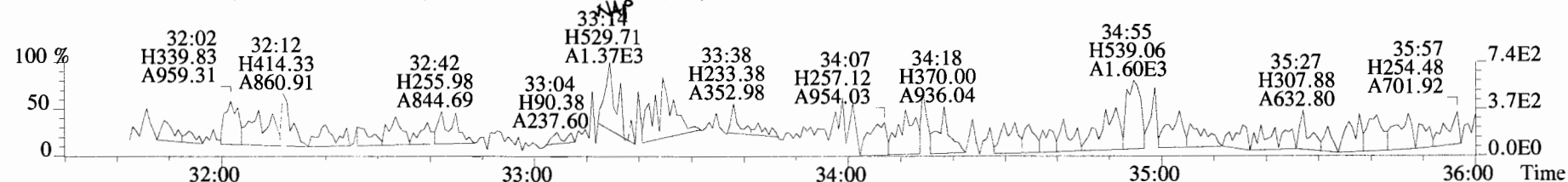
File:191014D2 #1-211 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
 339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



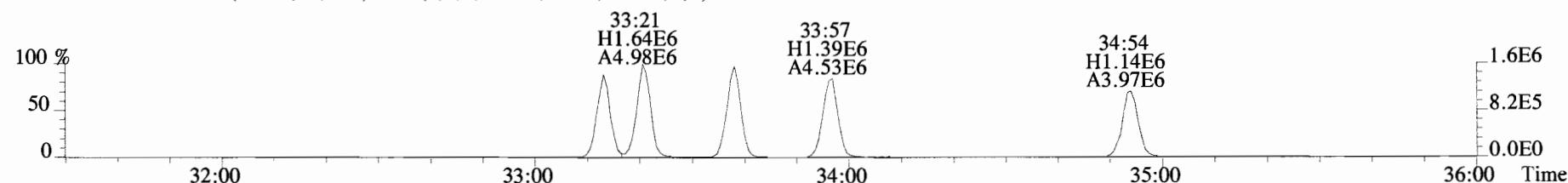
File:191014D2 #1-385 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
 373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



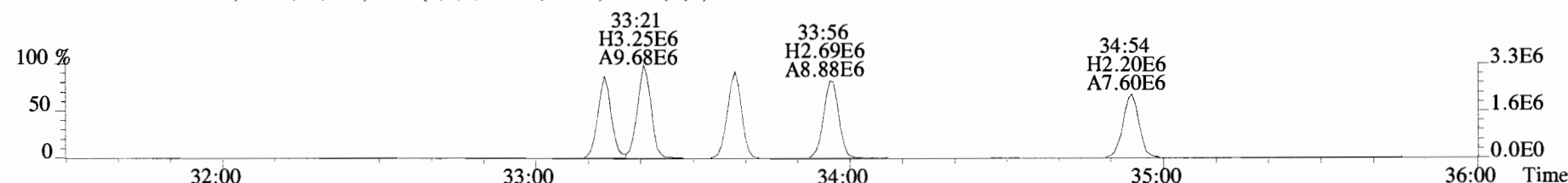
375.8178 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



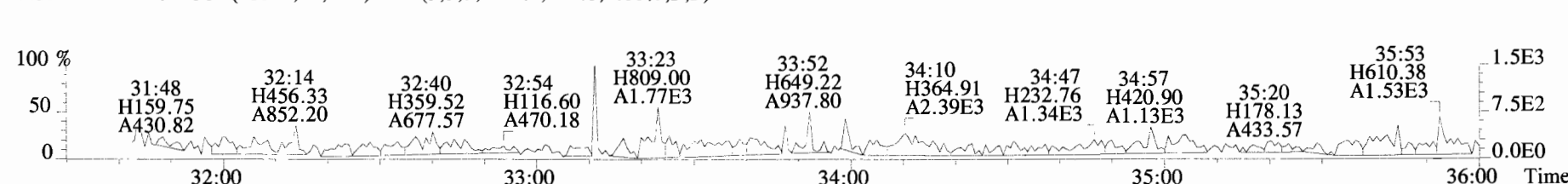
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



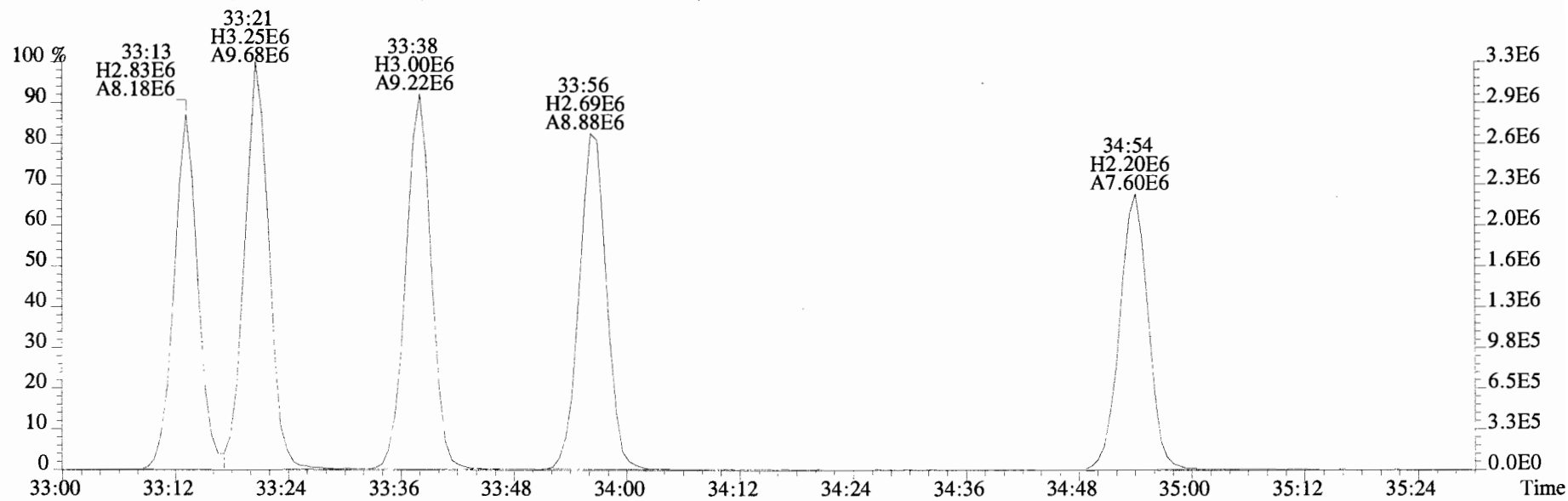
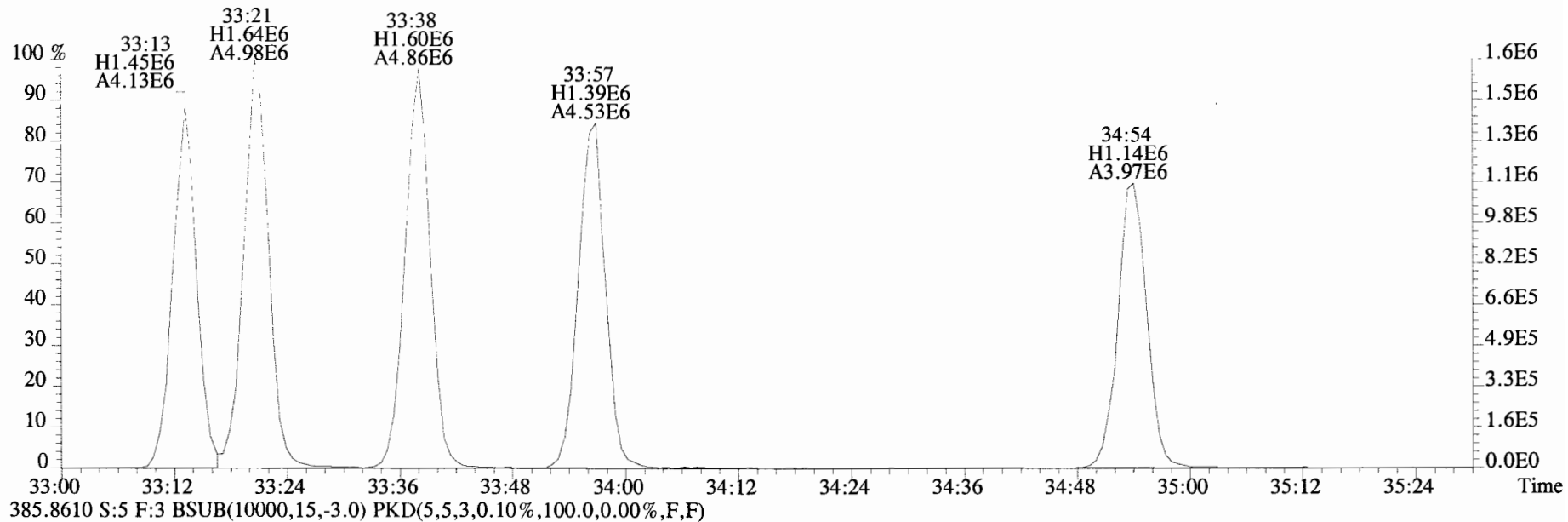
385.8610 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



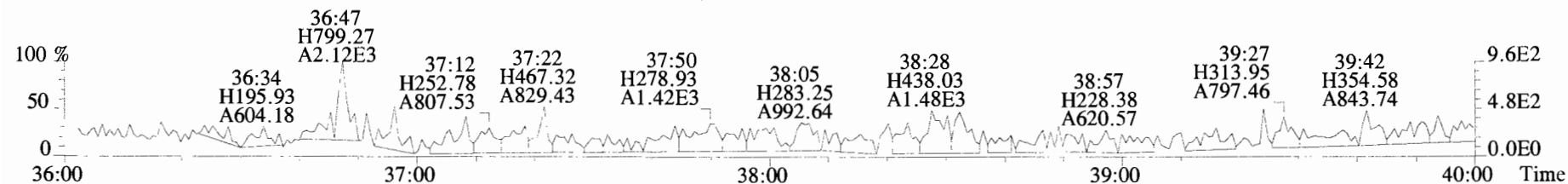
445.7555 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



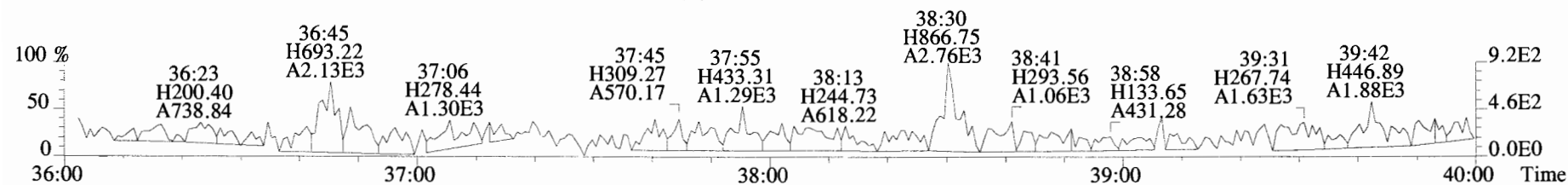
File:191014D2 #1-385 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



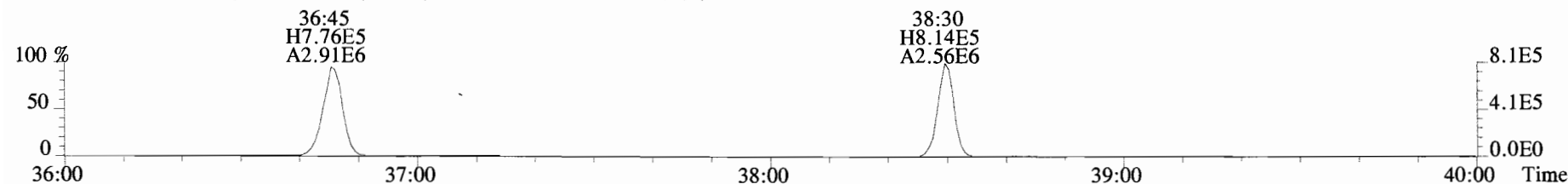
File:191014D2 #1-355 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



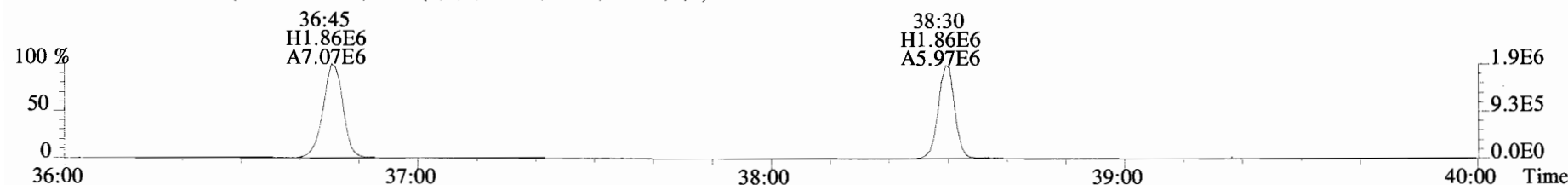
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



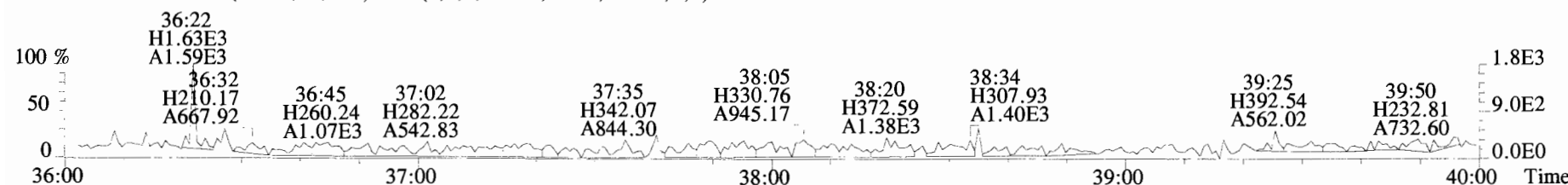
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



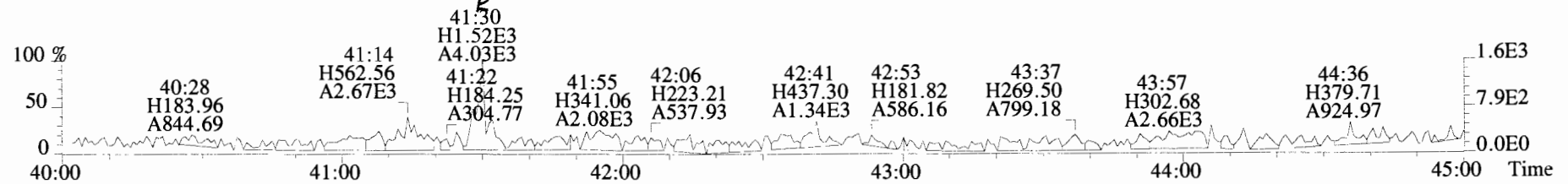
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



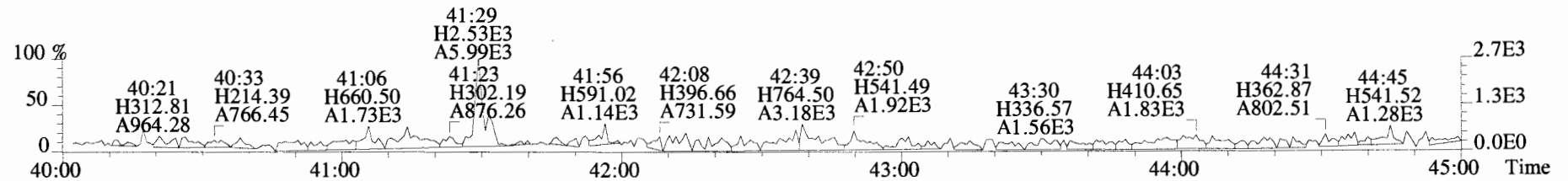
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



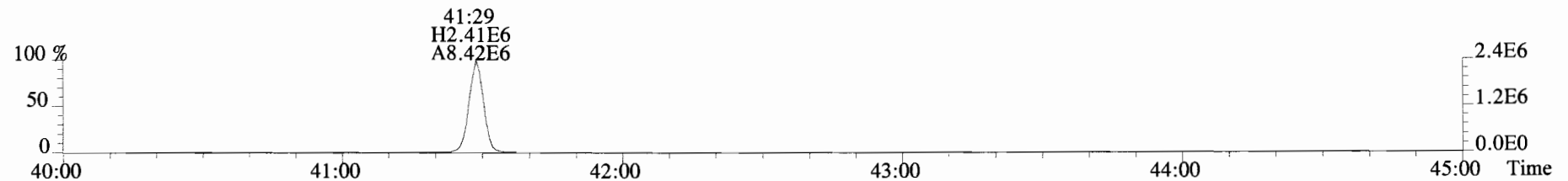
File:191014D2 #1-432 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
 441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



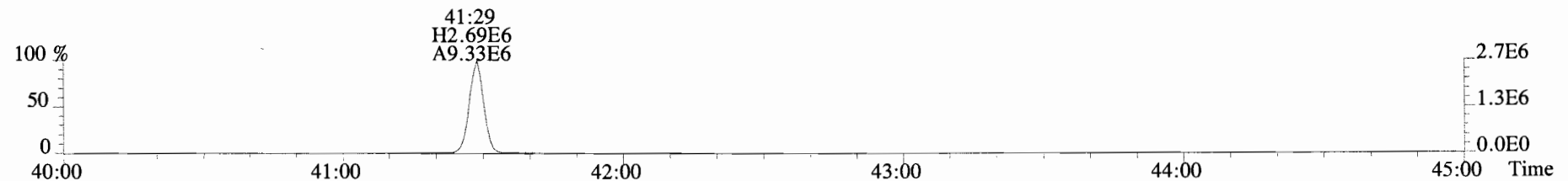
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



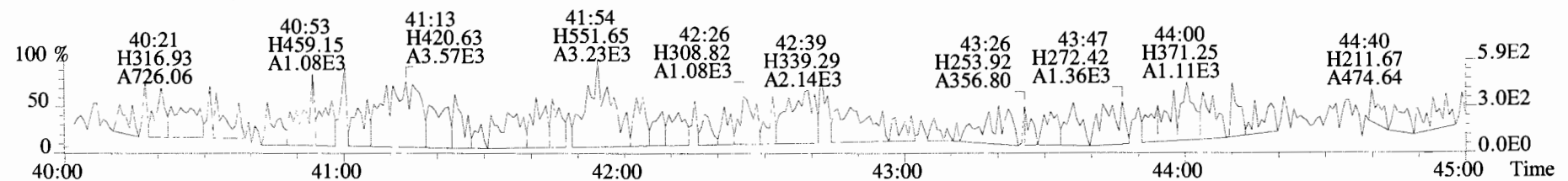
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



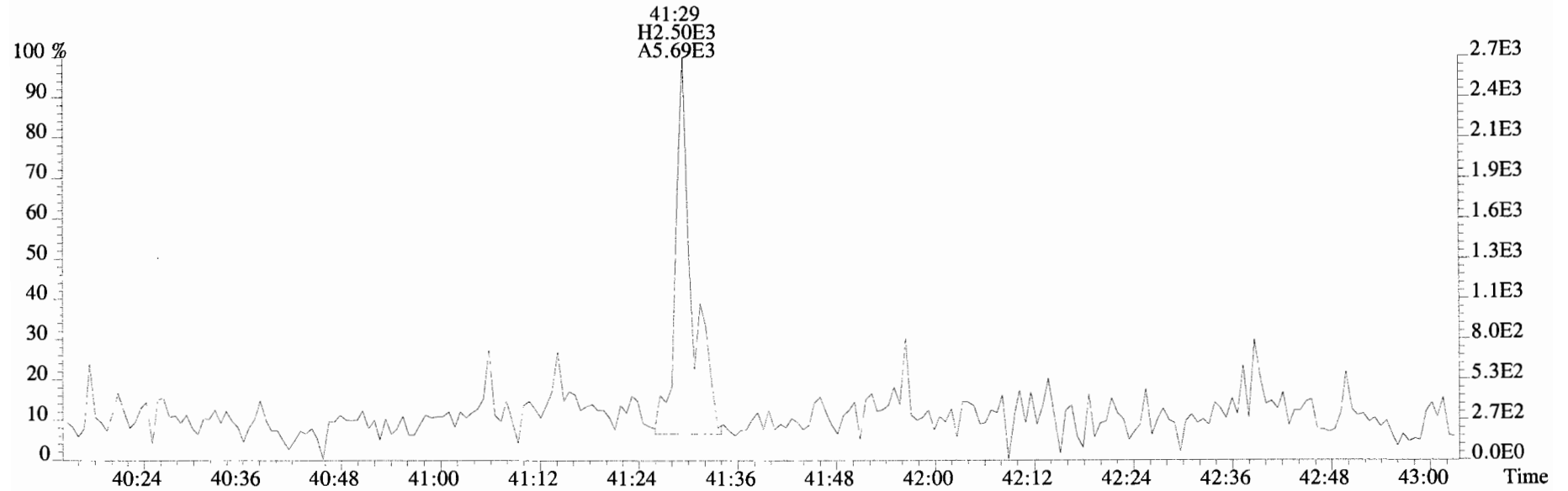
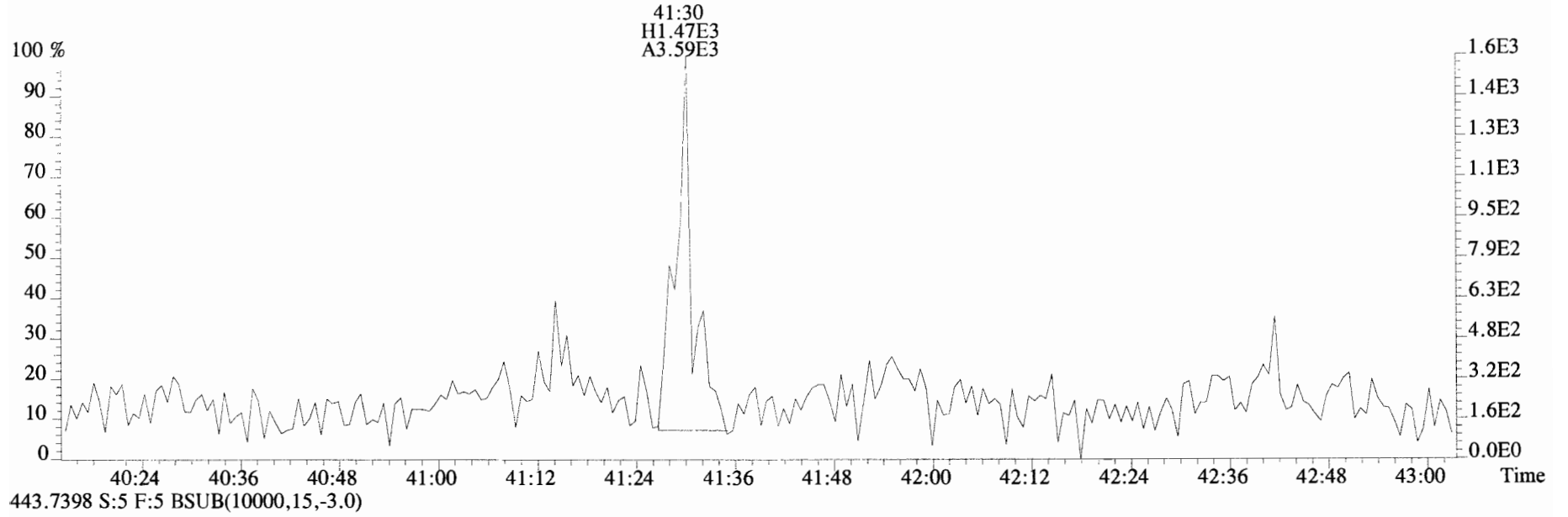
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191014D2 #1-432 Acq:14-OCT-2019 20:21:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BLK1 Method Blank 10 Exp:OCDD_DB5
441.7428 S:5 F:5 BSUB(10000,15,-3.0)



FORM 8A
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory Extraction Batch: B9J0052-BS1
Contract No.: SAS No.:
Matrix (aqueous/solid/leachate): SOLID OPR Data Filename: 191014D2-2
Ext. Date: Shift: Day Analysis Date: 14-OCT-19 Time: 17:57:43

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

NATIVE ANALYTES	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
2,3,7,8-TCDD	10	9.91	6.7 - 15.8 7.3 - 14.6 (2)
1,2,3,7,8-PeCDD	50	50.9	35.0 - 71.0
1,2,3,4,7,8-HxCDD	50	48.0	35.0 - 82.0
1,2,3,6,7,8-HxCDD	50	51.0	38.0 - 67.0
1,2,3,7,8,9-HxCDD	50	50.8	32.0 - 81.0
1,2,3,4,6,7,8-HpCDD	50	48.1	35.0 - 70.0
OCDD	100	97.4	78.0 - 144.0
2,3,7,8-TCDF	10	9.08	7.5 - 15.8 8.0 - 14.7 (2)
1,2,3,7,8-PeCDF	50	51.8	40.0 - 67.0
2,3,4,7,8-PeCDF	50	50.7	34.0 - 80.0
1,2,3,4,7,8-HxCDF	50	48.4	36.0 - 67.0
1,2,3,6,7,8-HxCDF	50	47.1	42.0 - 65.0
2,3,4,6,7,8-HxCDF	50	50.5	35.0 - 78.0
1,2,3,7,8,9-HxCDF	50	48.0	39.0 - 65.0
1,2,3,4,6,7,8-HpCDF	50	48.7	41.0 - 61.0
1,2,3,4,7,8,9-HpCDF	50	48.2	39.0 - 69.0
OCDF	100	98.1	63.0 - 170.0

(1) Contract-required concentration limits for OPR
as specified in Table 6, Method 1613. 10/94

(2) Contract-required concentration limits for OPR
as specified in Table 6a, Method 1613. 10/94

Analyst: DB

Date: 10/15/19

FORM 8B
PCDD/PCDF ONGOING PRECISION AND RECOVERY (OPR)

Lab Name: Vista Analytical Laboratory Extraction Batch: B9J0052-BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): SOLID OPR Data Filename: 191014D2-2

Ext. Date: Shift: Day Analysis Date: 14-OCT-19 Time: 17:57:43

ALL CONCENTRATIONS REPORTED ON THIS FORM ARE CONCENTRATIONS IN EXTRACT.

LABELED COMPOUNDS	SPIKE CONC. (ng/mL)	CONC. FOUND (ng/mL)	OPR CONC. LIMITS (1) (ng/mL)
13C-2,3,7,8-TCDD	100	96.6	20.0 - 175.0 25.0 - 141.0 (2)
13C-1,2,3,7,8-PeCDD	100	97.8	21.0 - 227.0
13C-1,2,3,4,7,8-HxCDD	100	106	21.0 - 193.0
13C-1,2,3,6,7,8-HxCDD	100	87.8	25.0 - 163.0
13C-1,2,3,7,8,9-HxCDD	100	93.0	21.0 - 193.0
13C-1,2,3,4,6,7,8-HpCDD	100	100	26.0 - 166.0
13C-OCDD	200	189	26.0 - 397.0
13C-2,3,7,8-TCDF	100	97.7	22.0 - 152.0 26.0 - 126.0 (2)
13C-1,2,3,7,8-PeCDF	100	107	21.0 - 192.0
13C-2,3,4,7,8-PeCDF	100	104	13.0 - 328.0
13C-1,2,3,4,7,8-HxCDF	100	105	19.0 - 202.0
13C-1,2,3,6,7,8-HxCDF	100	99.1	21.0 - 159.0
13C-2,3,4,6,7,8-HxCDF	100	97.9	22.0 - 176.0
13C-1,2,3,7,8,9-HxCDF	100	103	17.0 - 205.0
13C-1,2,3,4,6,7,8-HpCDF	100	95.6	21.0 - 158.0
13C-1,2,3,4,7,8,9-HpCDF	100	101	20.0 - 186.0
13C-OCDF	200	191	26.0 - 397.0
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	41.0	12.4 - 76.4

(1) Contract-required concentration limits for OPR
as specified in Table 6, Method 1613. 10/94

(2) Contract-required concentration limits for OPR
as specified in Table 6a, Method 1613. 10/94

Analyst: DB

Date: 10/15/19

Client ID: OPR
Lab ID: B9J0052-BS1

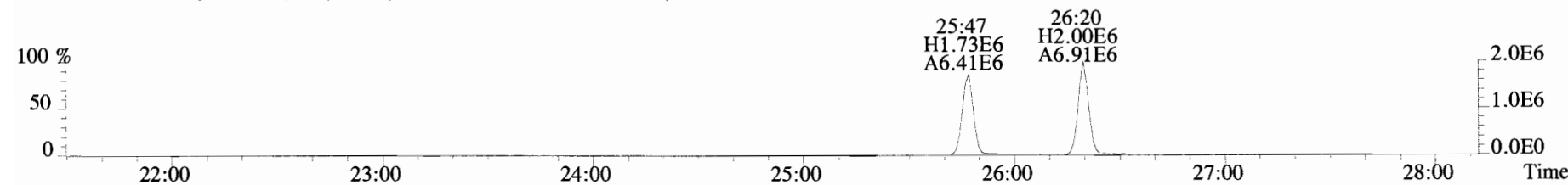
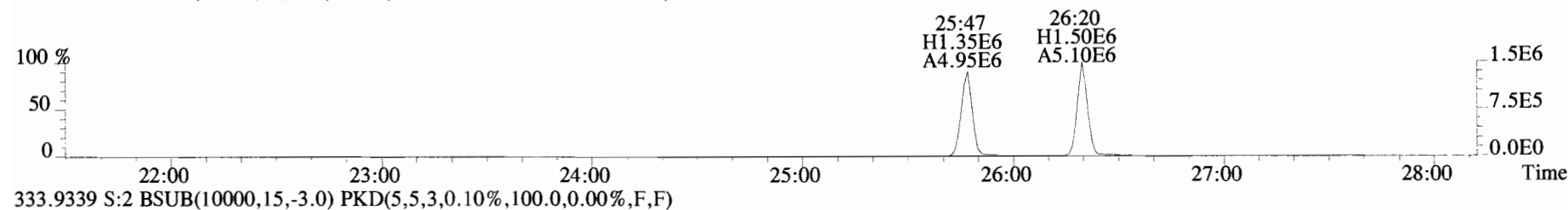
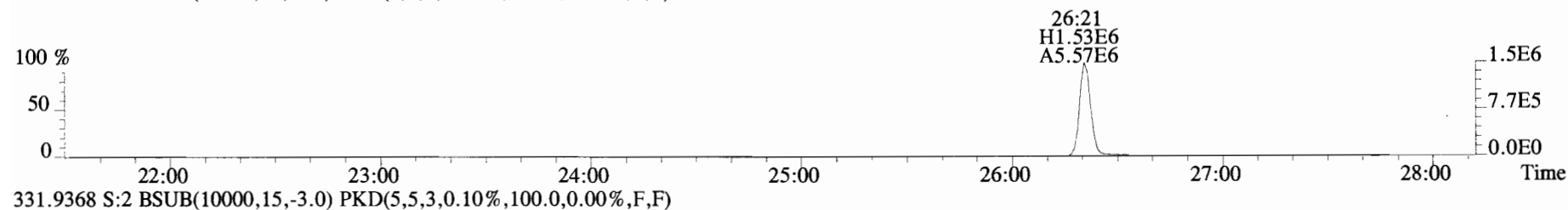
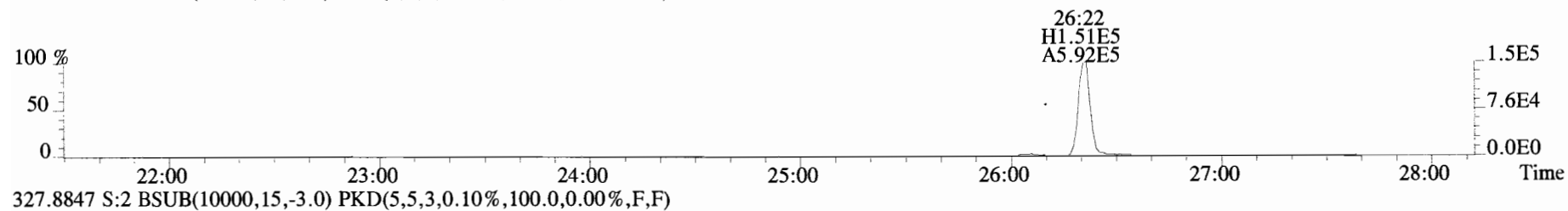
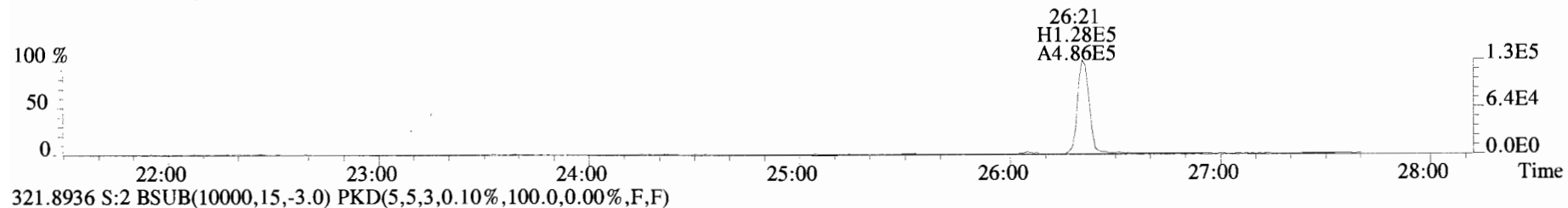
Filename: 191014D2 S:2 Acq:14-OCT-19 17:57:43
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191014D2-1
EndCAL: ST191014D2-2

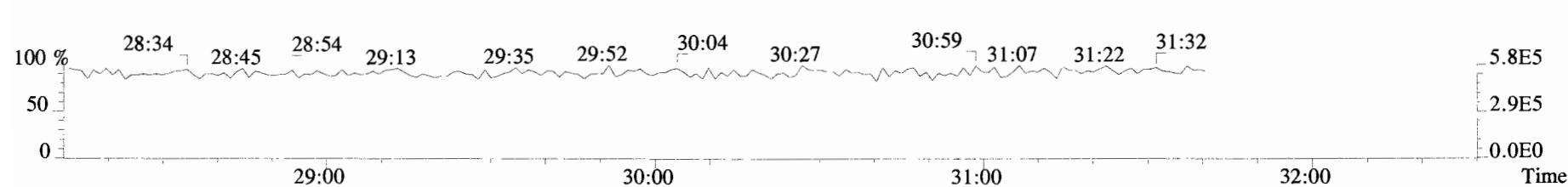
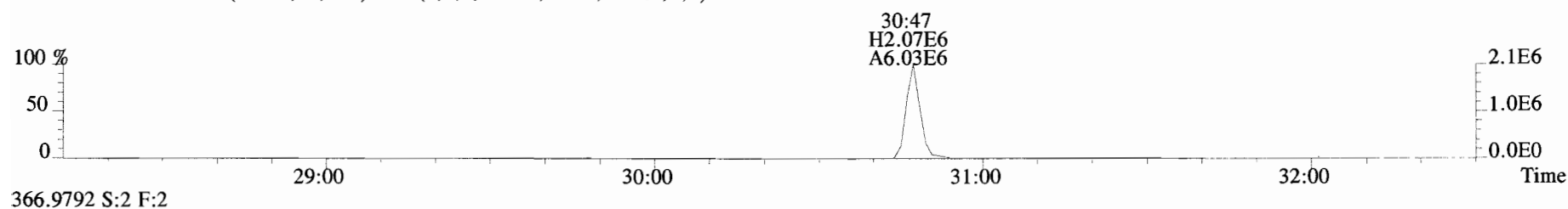
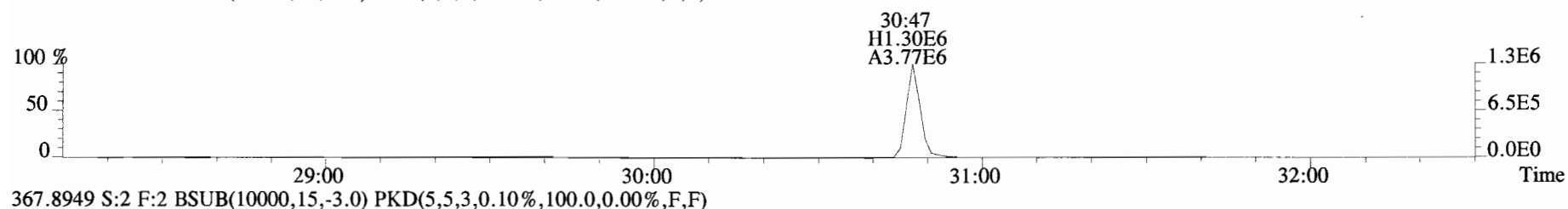
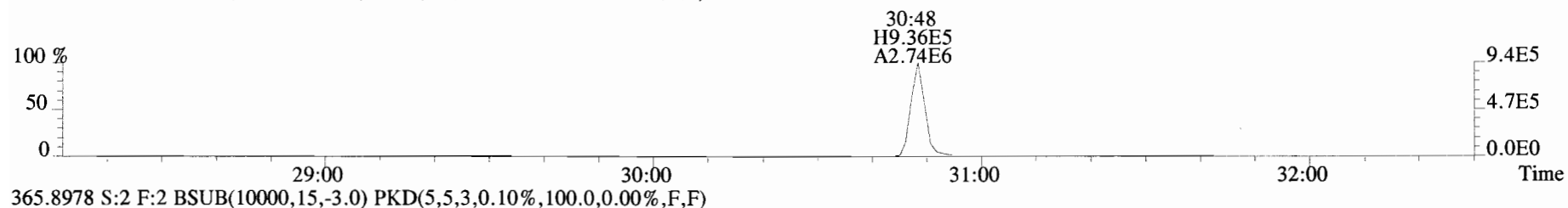
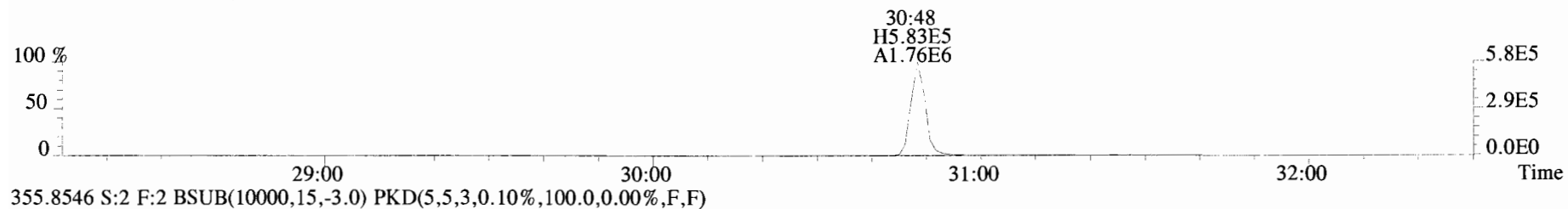
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.08e+06	0.82 y	0.91	26:21	9.9088		* 2.5		*	Total Tetra-Dioxins	10.5	10.8	*	*	
1,2,3,7,8-PeCDD	4.50e+06	0.64 y	0.90	30:48	50.869		* 2.5		*	Total Penta-Dioxins	50.9	50.9	*	*	
1,2,3,4,7,8-HxCDD	4.24e+06	1.19 y	1.10	34:08	48.001		* 2.5		*	Total Hexa-Dioxins	150	150	*	*	
1,2,3,6,7,8-HxCDD	4.25e+06	1.20 y	0.94	34:14	51.037		* 2.5		*	Total Hepta-Dioxins	48.7	49.3	*	*	
1,2,3,7,8,9-HxCDD	4.32e+06	1.21 y	0.96	34:32	50.788		* 2.5		*	Total Tetra-Furans	9.34	9.86	*	*	
1,2,3,4,6,7,8-HpCDD	3.64e+06	1.02 y	0.98	37:58	48.091		* 2.5		*	Total Penta-Furans	102.85	104.88	*	*	
OCDD	6.04e+06	0.91 y	0.96	41:16	97.408		* 2.5		*	Total Hexa-Furans	194	194	*	*	
										Total Hepta-Furans	97.5	97.9	*	*	
2,3,7,8-TCDF	1.51e+06	0.78 y	0.95	25:35	9.0756		* 2.5		*						
1,2,3,7,8-PeCDF	7.86e+06	1.59 y	0.96	29:38	51.778		* 2.5		*						
2,3,4,7,8-PeCDF	7.85e+06	1.59 y	1.01	30:31	50.723		* 2.5		*						
1,2,3,4,7,8-HxCDF	5.84e+06	1.23 y	1.18	33:14	48.378		* 2.5		*						
1,2,3,6,7,8-HxCDF	6.09e+06	1.20 y	1.07	33:21	47.121		* 2.5		*						
2,3,4,6,7,8-HxCDF	6.19e+06	1.23 y	1.11	33:57	50.462		* 2.5		*						
1,2,3,7,8,9-HxCDF	5.13e+06	1.22 y	1.06	34:55	48.003		* 2.5		*						
1,2,3,4,6,7,8-HpCDF	4.69e+06	1.01 y	1.13	36:47	48.709		* 2.5		*						
1,2,3,4,7,8,9-HpCDF	4.25e+06	0.98 y	1.28	38:30	48.213		* 2.5		*						
OCDF	7.21e+06	0.90 y	0.95	41:29	98.147		* 2.5		*						
IS	13C-2,3,7,8-TCDD	1.20e+07	0.74 y	1.10	26:20	96.569				Rec	Qual				
IS	13C-1,2,3,7,8-PeCDD	9.80e+06	0.62 y	0.88	30:47	97.850				96.6					
IS	13C-1,2,3,4,7,8-HxCDD	8.02e+06	1.21 y	0.64	34:07	105.87				97.8					
IS	13C-1,2,3,6,7,8-HxCDD	8.86e+06	1.31 y	0.86	34:13	87.830				106					
IS	13C-1,2,3,7,8,9-HxCDD	8.85e+06	1.25 y	0.81	34:31	93.033				87.8					
IS	13C-1,2,3,4,6,7,8-HpCDD	7.72e+06	1.03 y	0.65	37:57	100.15				93.0					
IS	13C-OCDD	1.29e+07	0.91 y	0.58	41:15	189.32				100					
IS	13C-2,3,7,8-TCDF	1.75e+07	0.80 y	1.03	25:33	97.676				94.7					
IS	13C-1,2,3,7,8-PeCDF	1.58e+07	1.60 y	0.85	29:38	106.73				97.7					
IS	13C-2,3,4,7,8-PeCDF	1.53e+07	1.60 y	0.85	30:30	103.83				107					
IS	13C-1,2,3,4,7,8-HxCDF	1.03e+07	0.51 y	0.83	33:13	104.52				104					
IS	13C-1,2,3,6,7,8-HxCDF	1.21e+07	0.51 y	1.03	33:21	99.101				105					
IS	13C-2,3,4,6,7,8-HxCDF	1.10e+07	0.52 y	0.95	33:56	97.905				99.1					
IS	13C-1,2,3,7,8,9-HxCDF	1.01e+07	0.51 y	0.83	34:54	103.18				97.9					
IS	13C-1,2,3,4,6,7,8-HpCDF	8.54e+06	0.42 y	0.76	36:45	95.554				103					
IS	13C-1,2,3,4,7,8,9-HpCDF	6.89e+06	0.42 y	0.58	38:30	100.58				95.6					
IS	13C-OCDF	1.55e+07	0.92 y	0.69	41:29	190.82				101					
C/Up	37C1-2,3,7,8-TCDD	5.57e+06		1.20	26:21	40.970				95.4					
RS/RT	13C-1,2,3,4-TCDD	1.14e+07	0.77 y	1.00	25:47	100.00									
RS	13C-1,2,3,4-TCDF	1.73e+07	0.80 y	1.00	24:22	100.00									
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.18e+07	0.51 y	1.00	33:38	100.00									

Integrations Reviewed
by DB by CT
Analyst: DB Analyst: CT
Date: 10/15/19 Date: 10/15/19

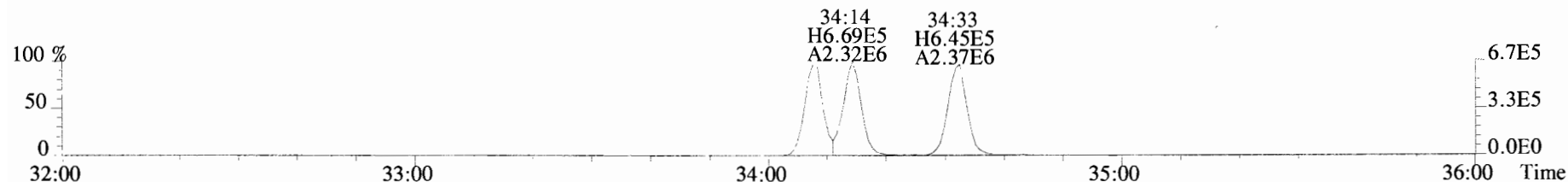
File:191014D2 #1-492 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



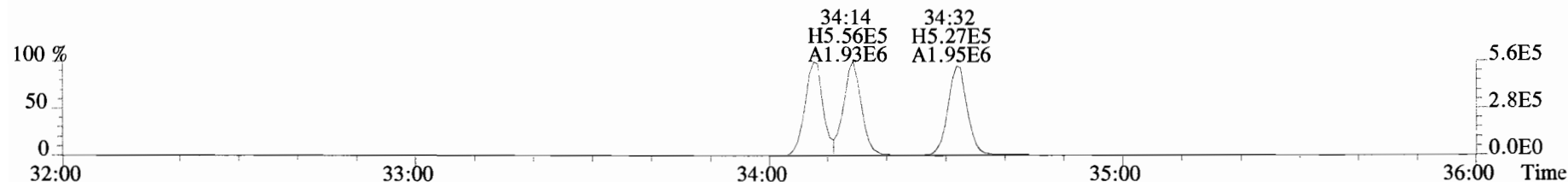
File:191014D2 #1-211 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



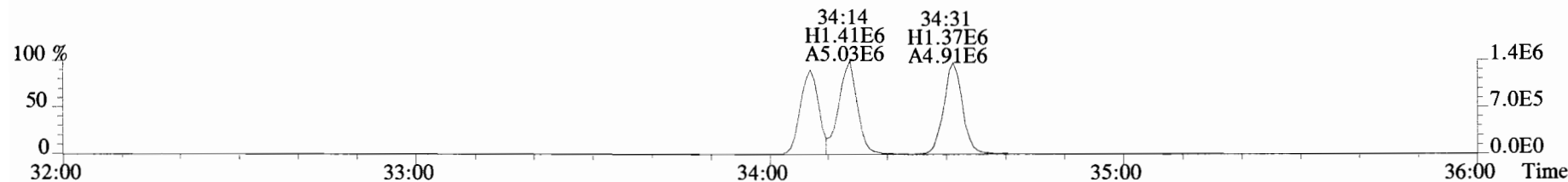
File:191014D2 #1-385 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
 389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



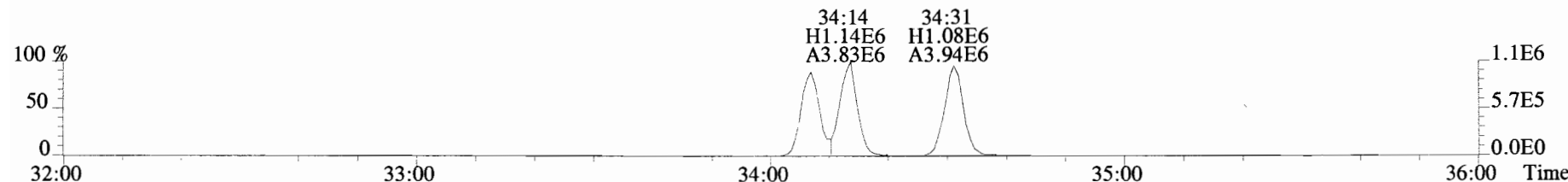
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



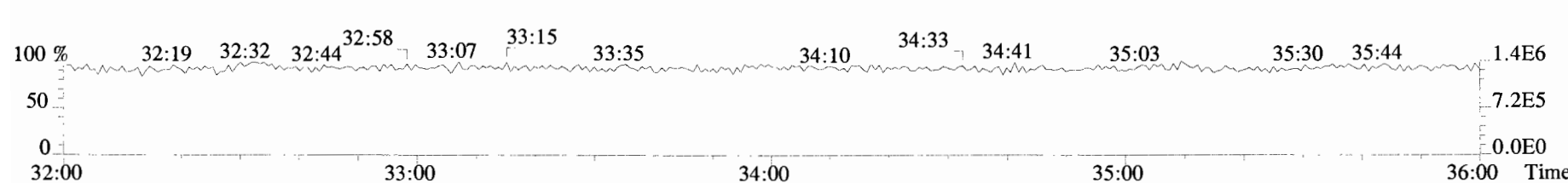
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



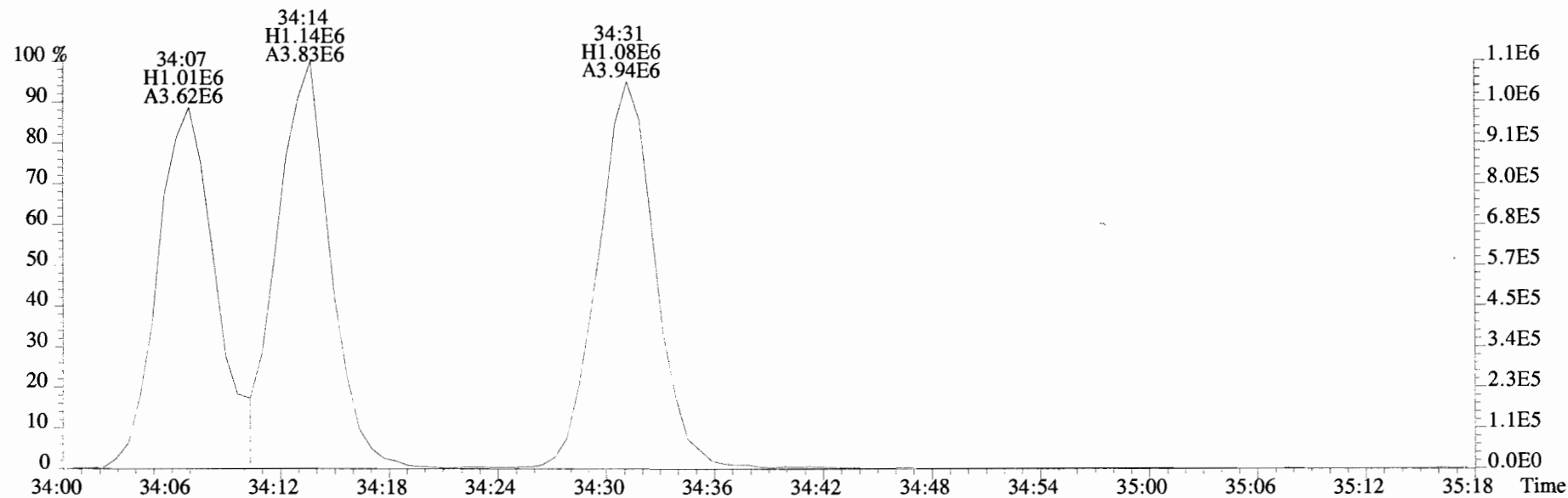
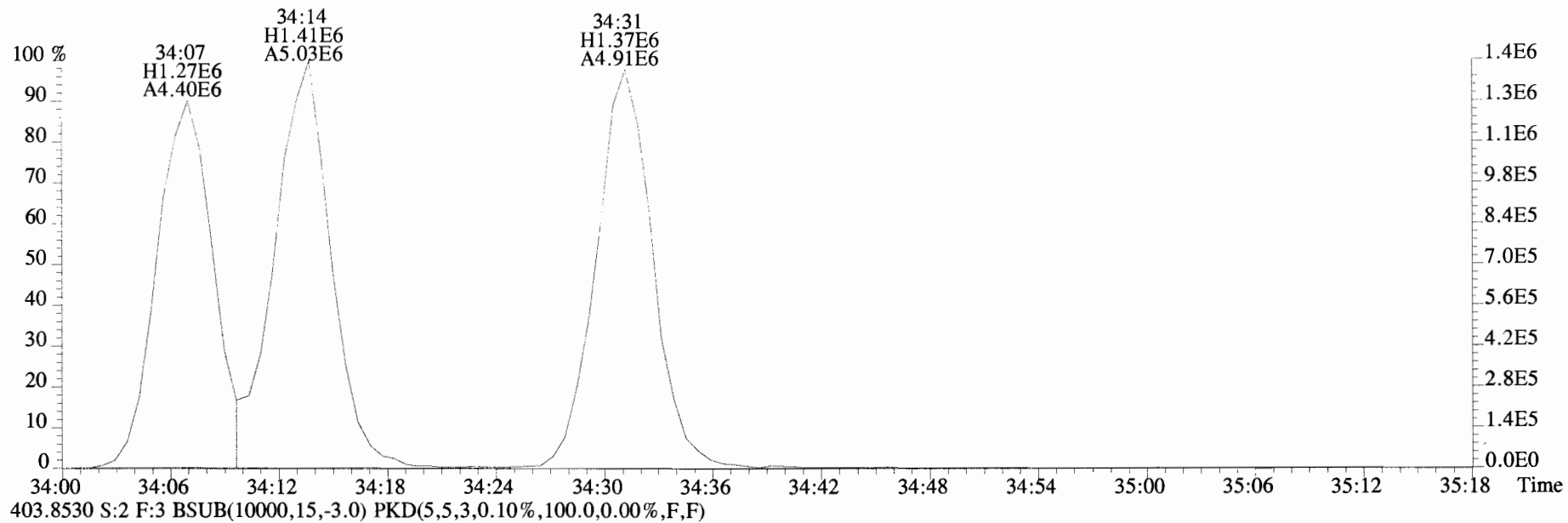
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



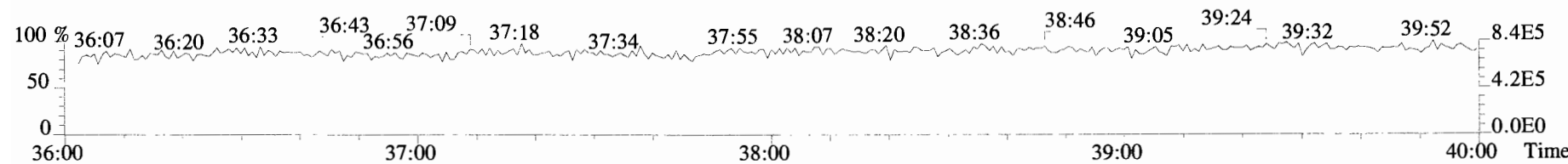
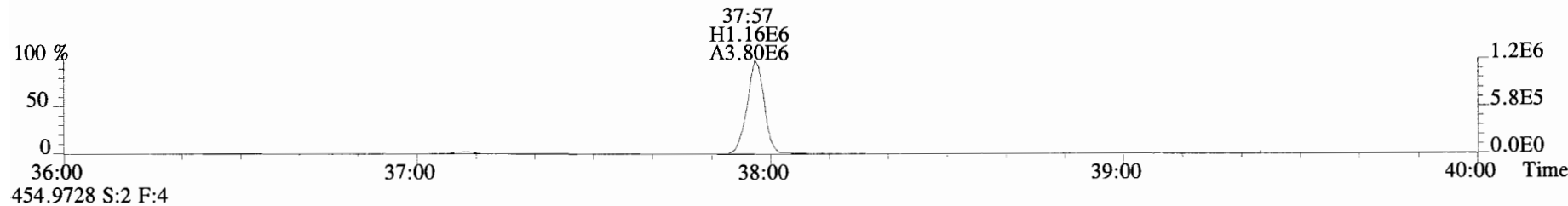
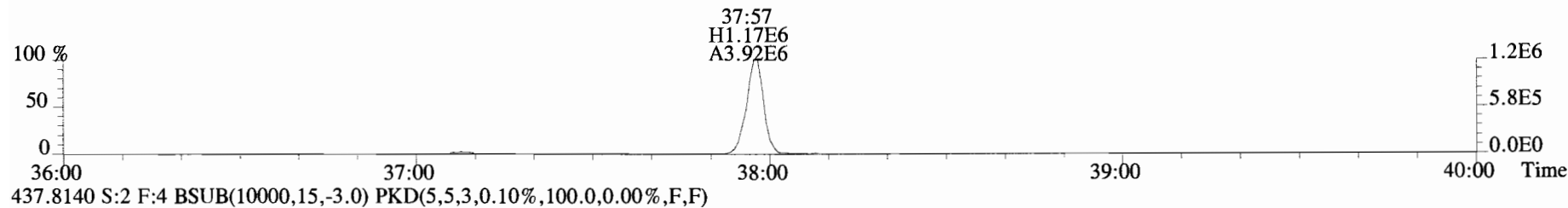
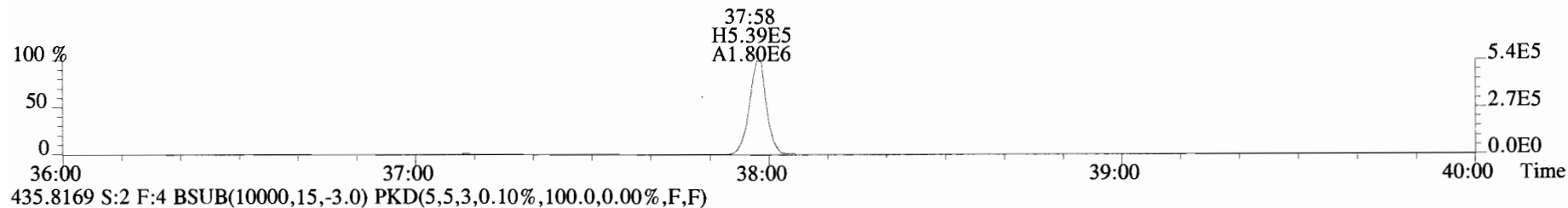
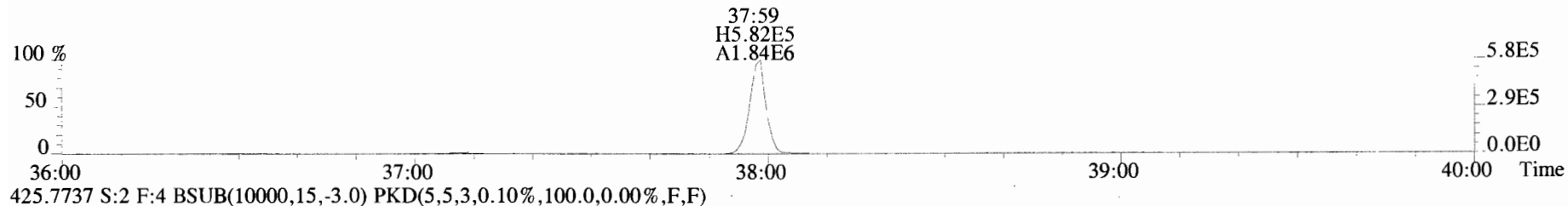
392.9760 S:2 F:3



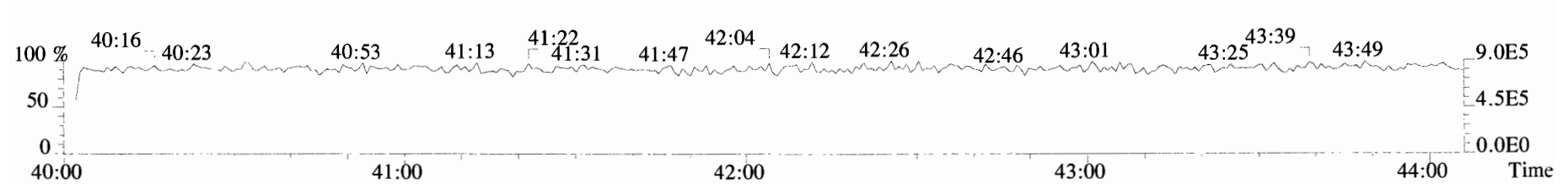
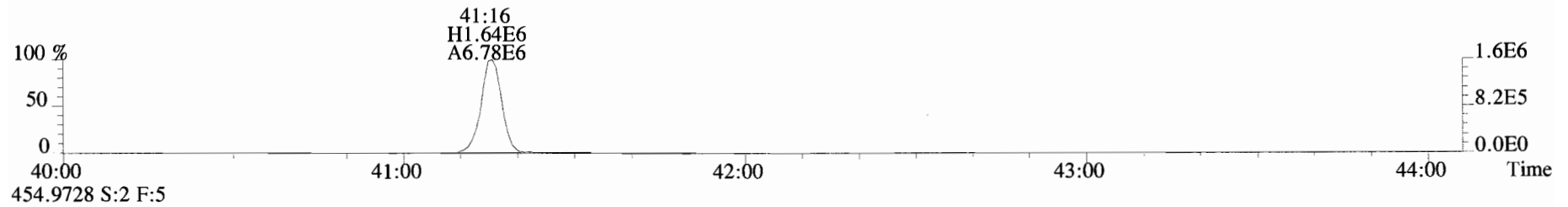
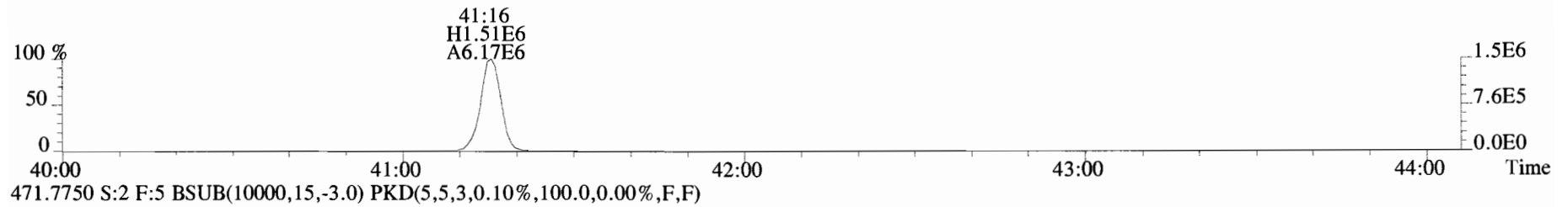
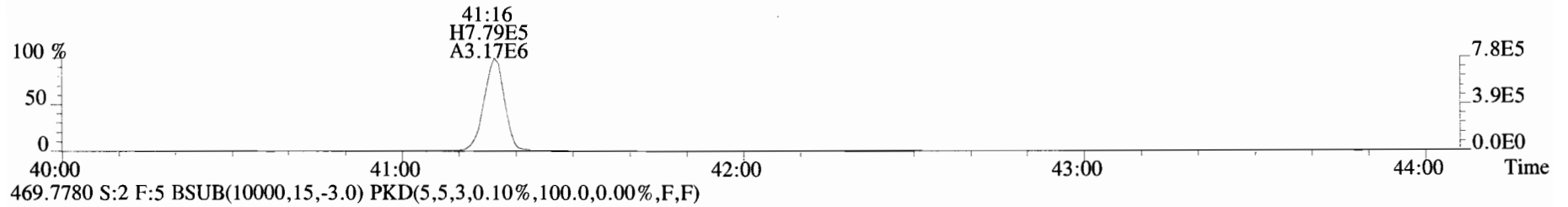
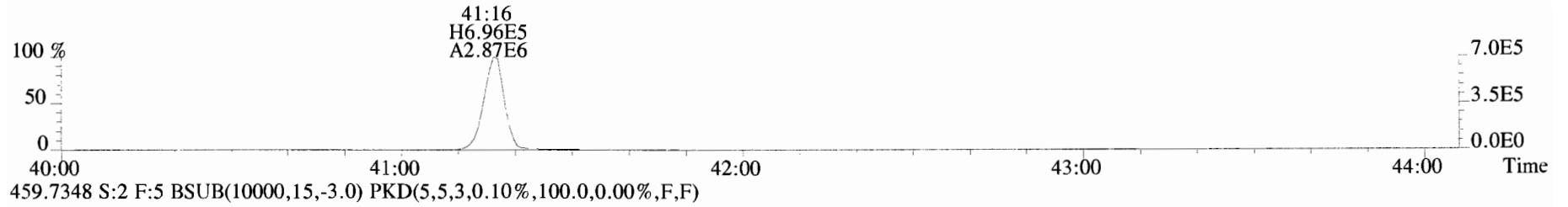
File:191014D2 #1-385 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



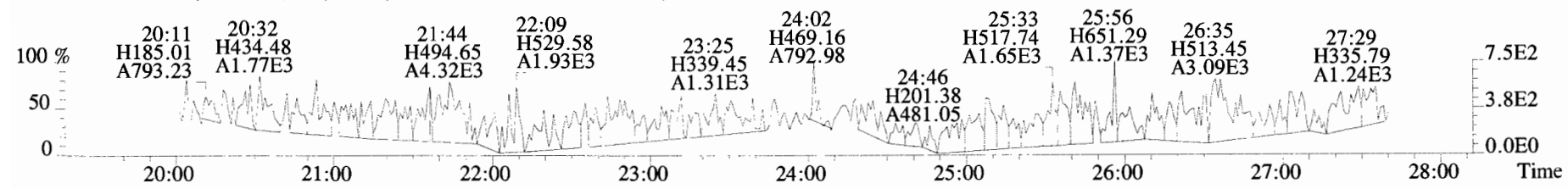
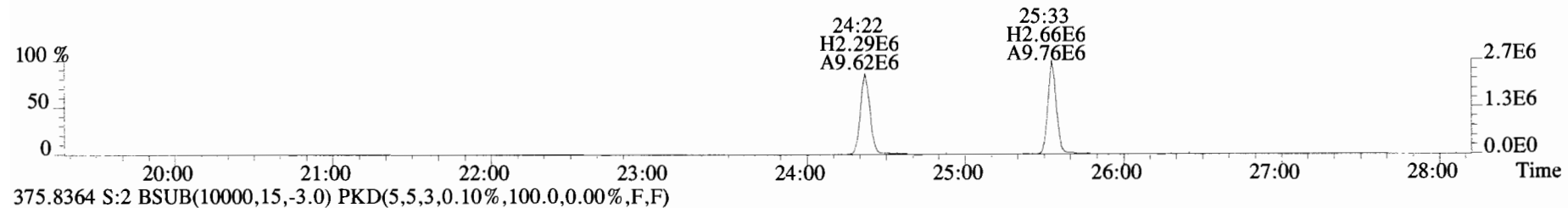
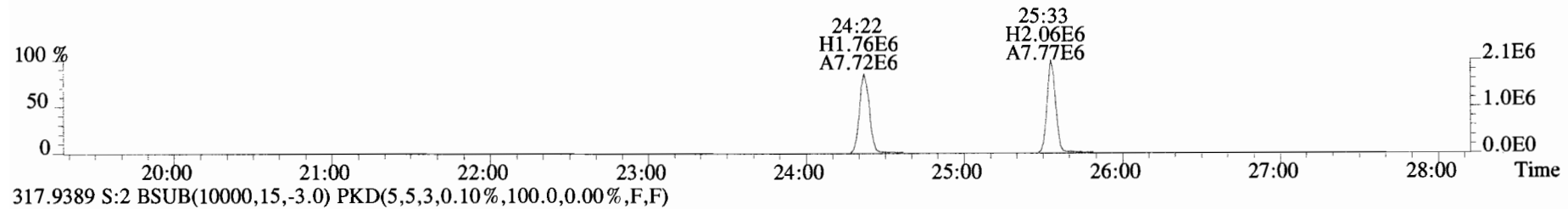
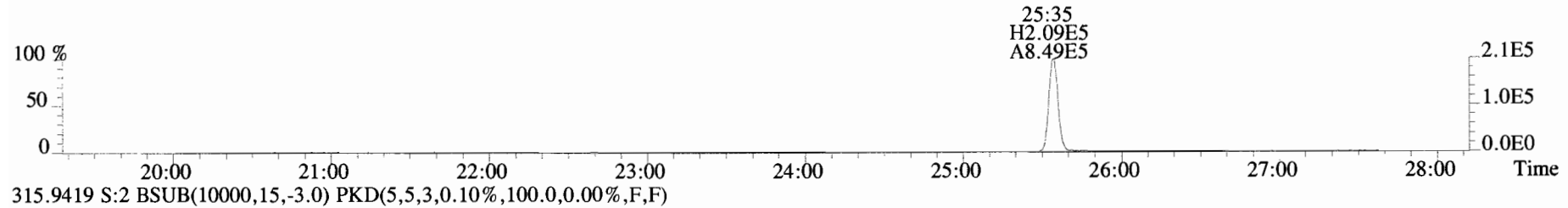
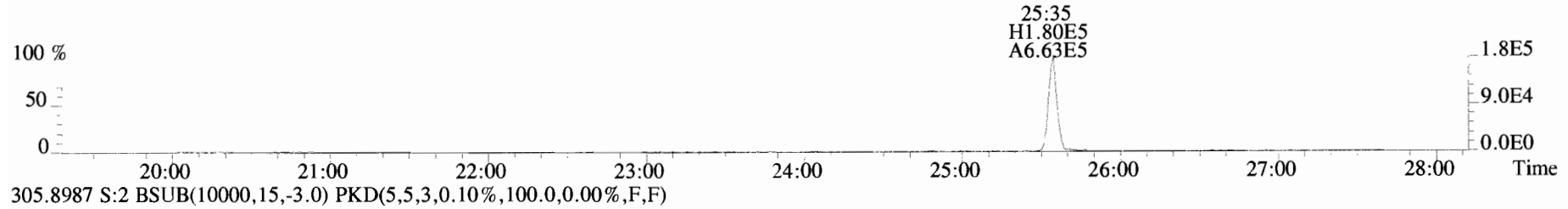
File:191014D2 #1-355 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



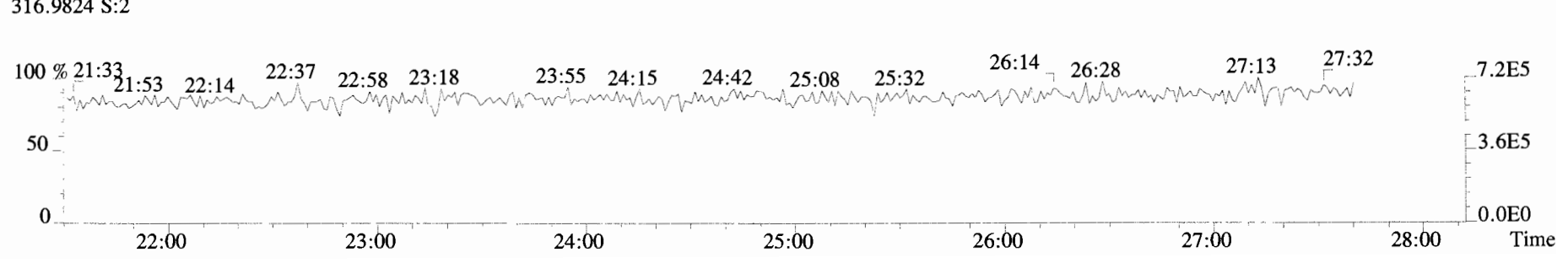
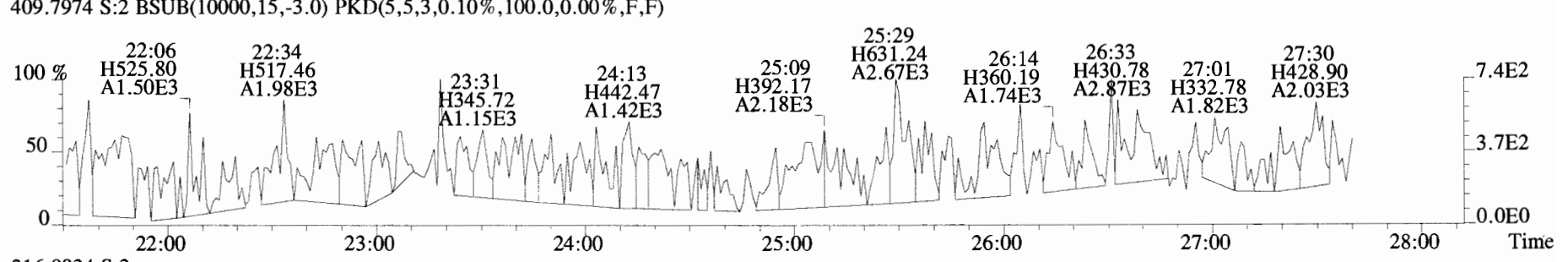
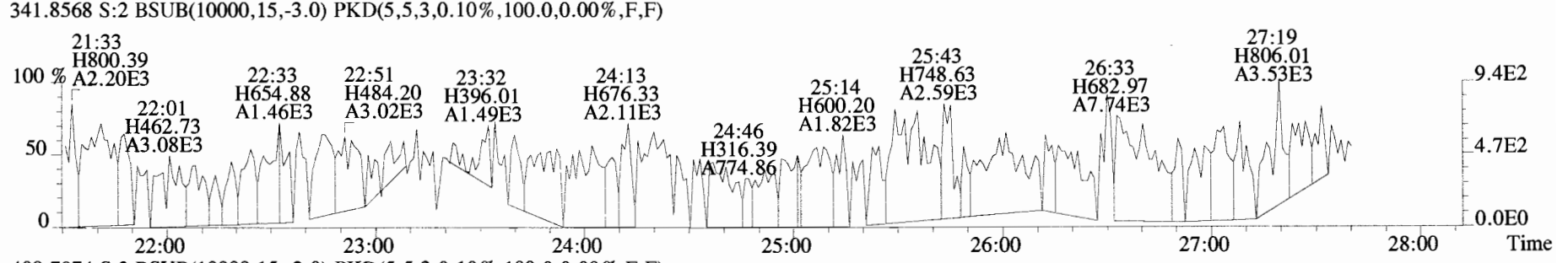
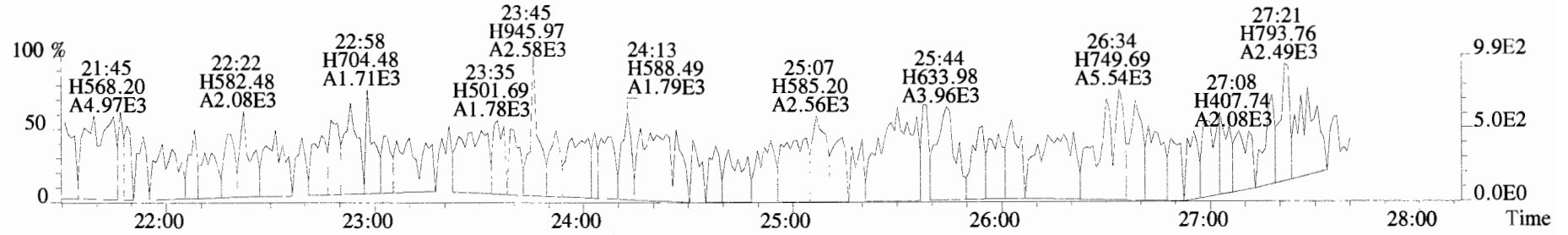
File:191014D2 #1-432 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



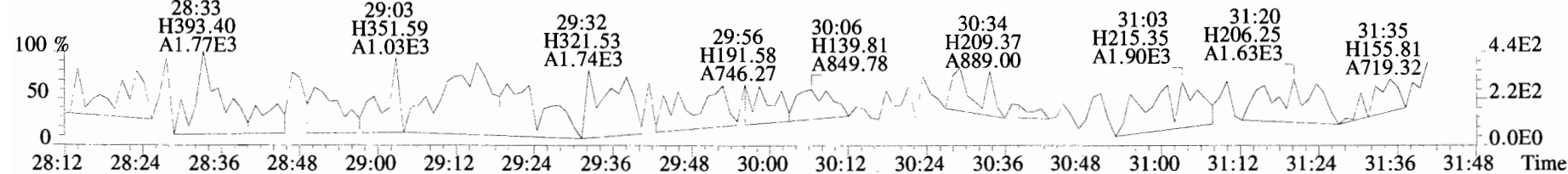
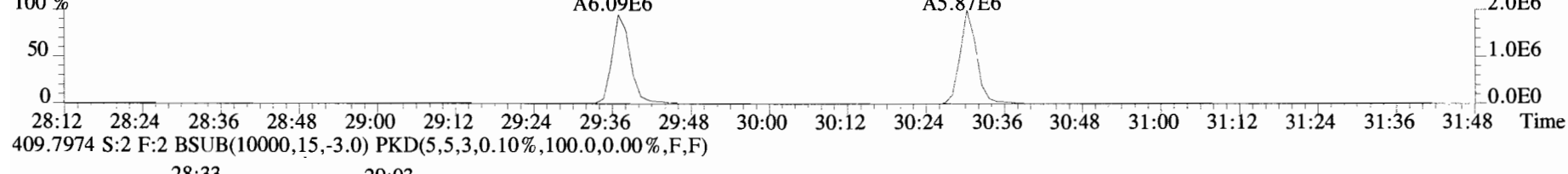
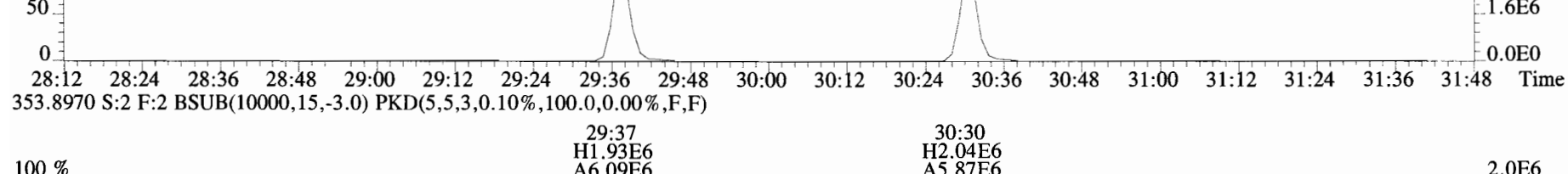
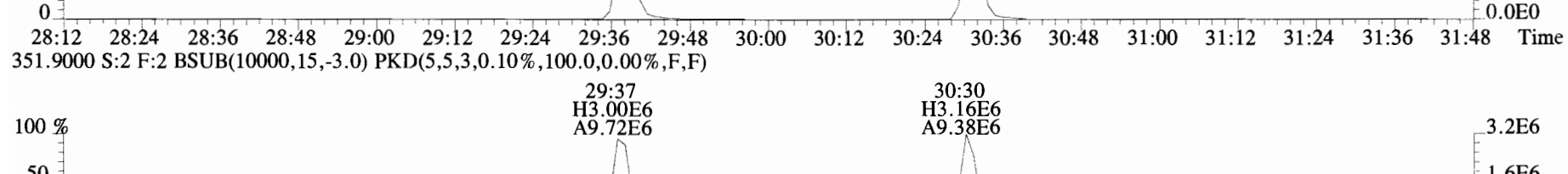
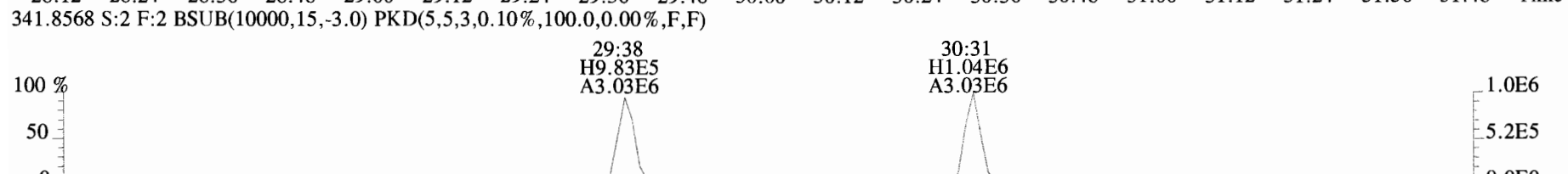
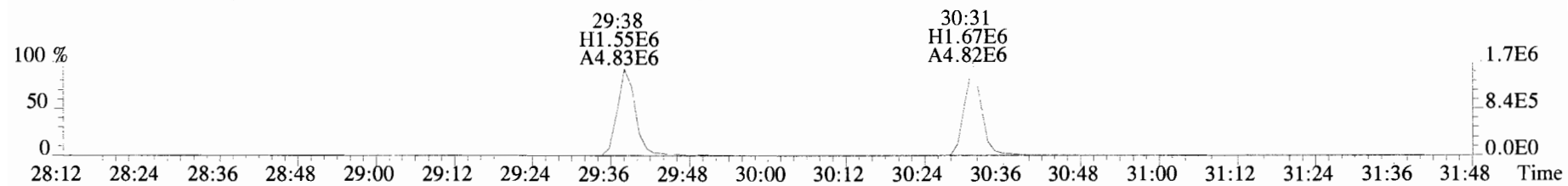
File:191014D2 #1-492 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



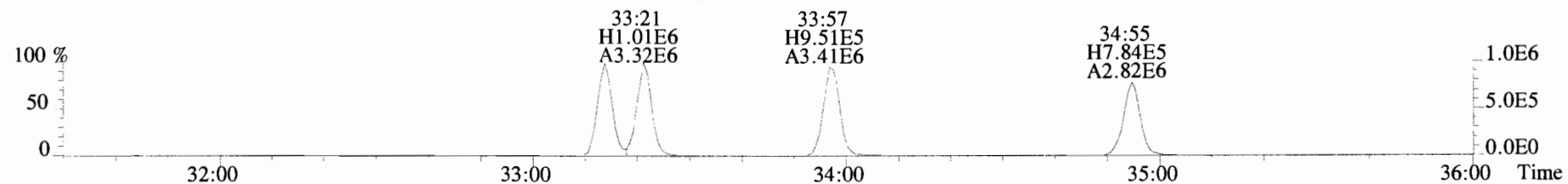
File:191014D2 #1-492 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



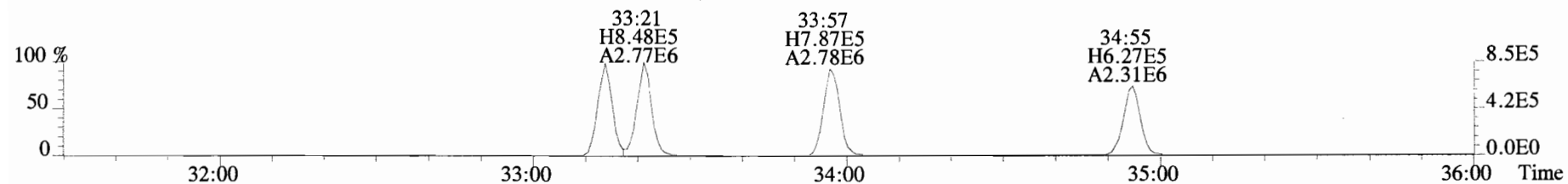
File:191014D2 #1-211 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
 339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



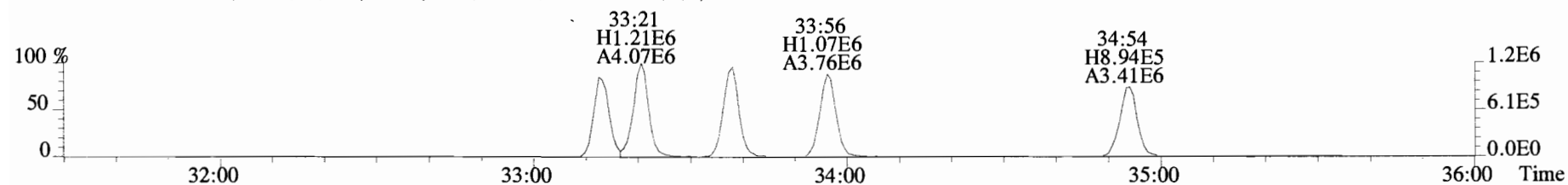
File:191014D2 #1-385 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
 373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



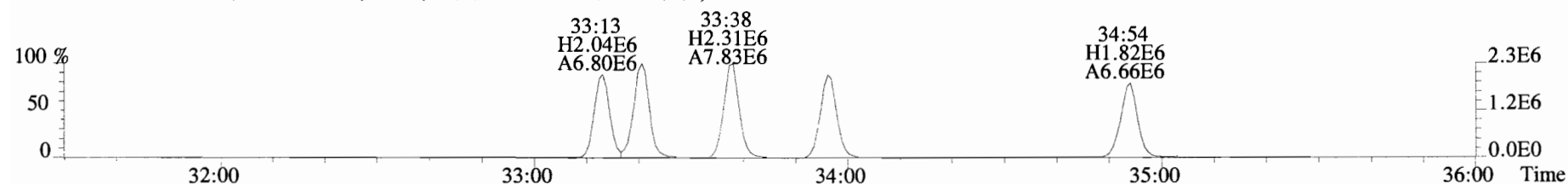
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



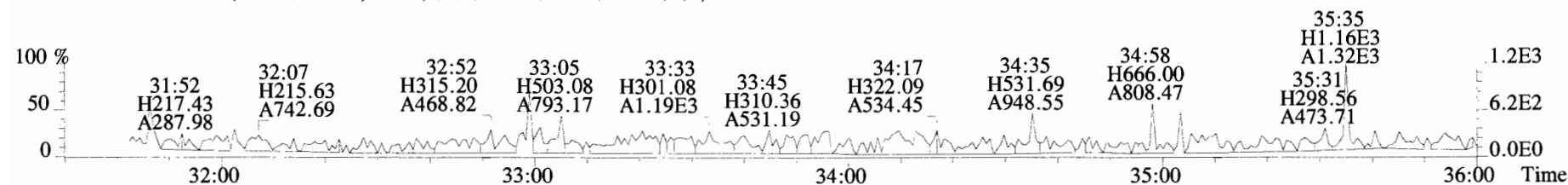
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



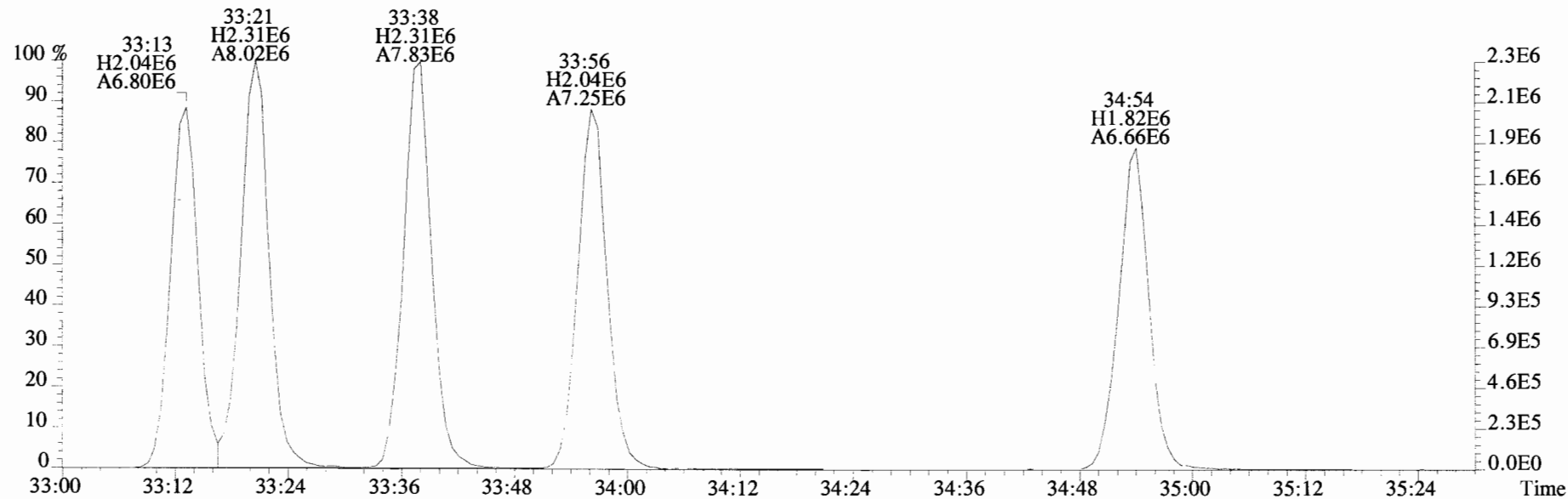
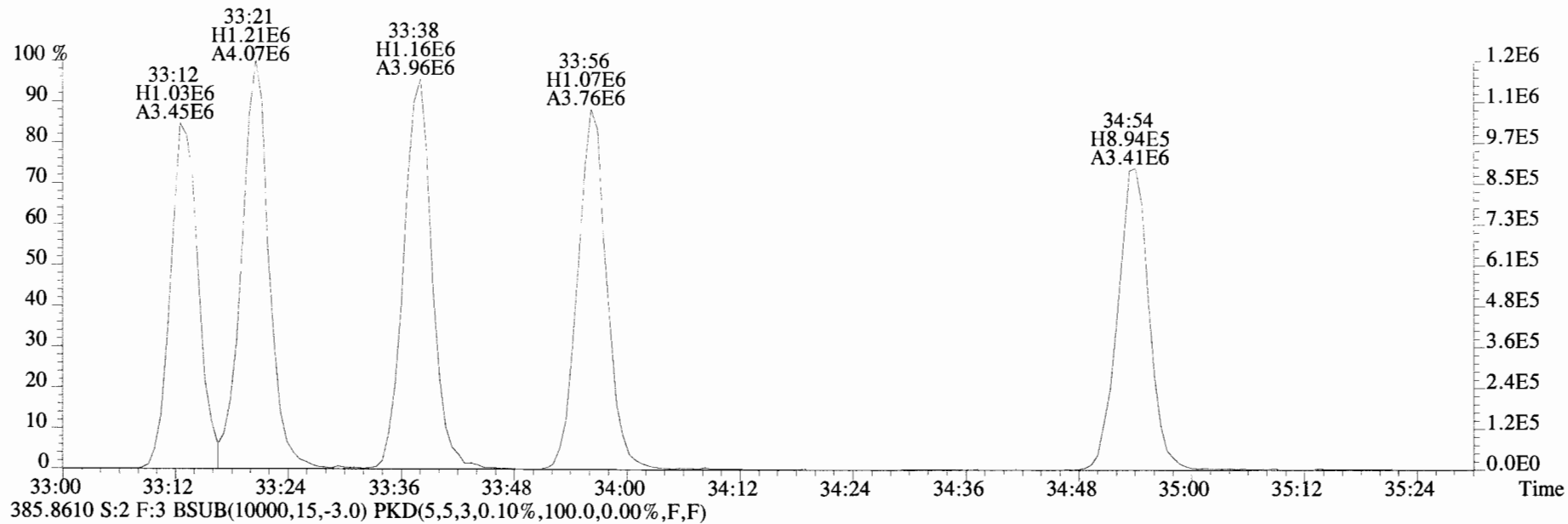
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



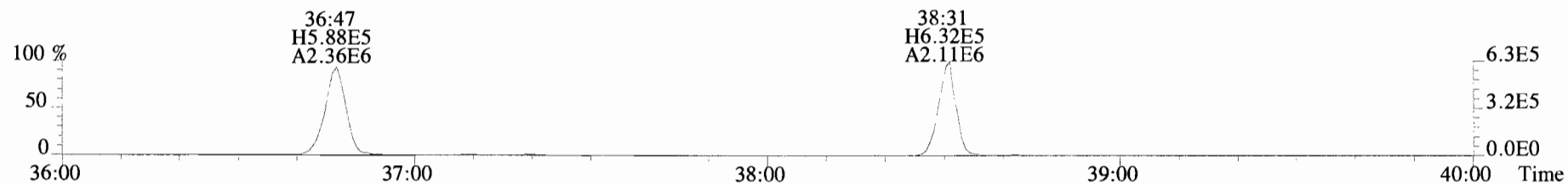
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



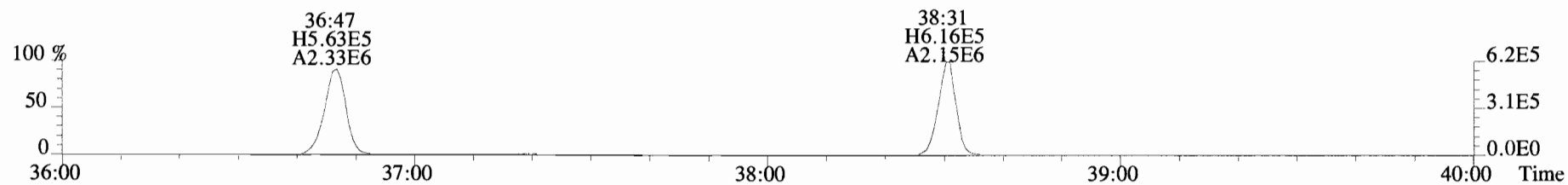
File:191014D2 #1-385 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



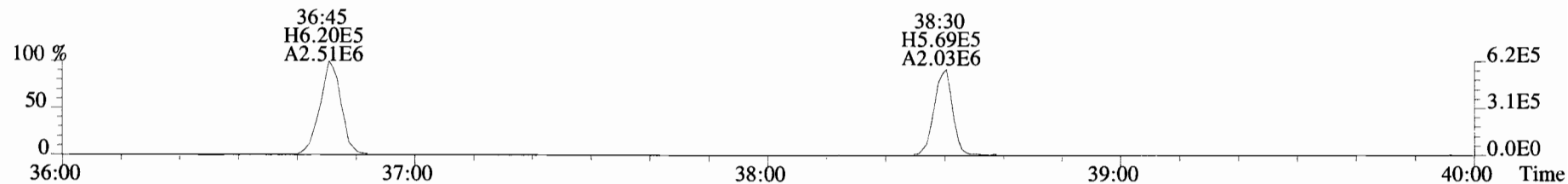
File:191014D2 #1-355 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
 407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



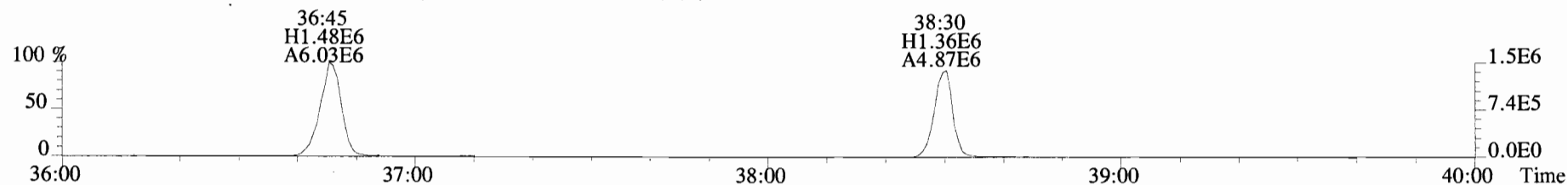
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



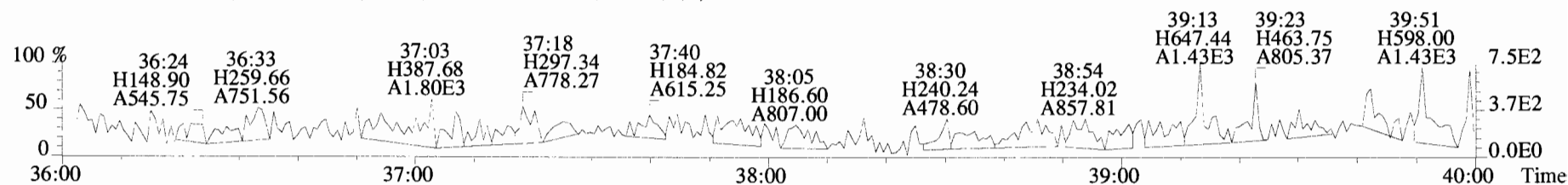
417.8253 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



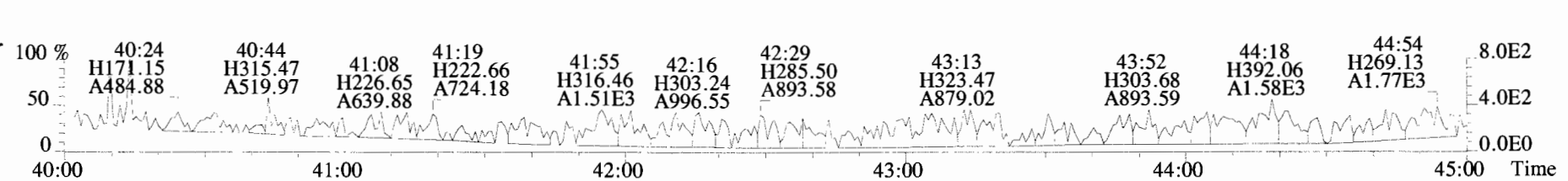
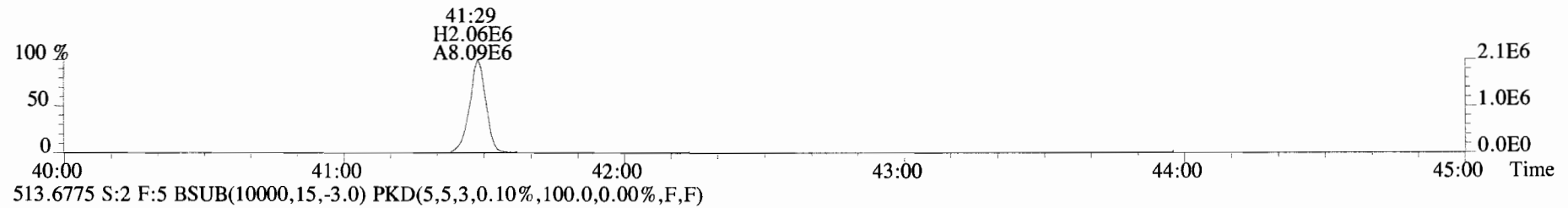
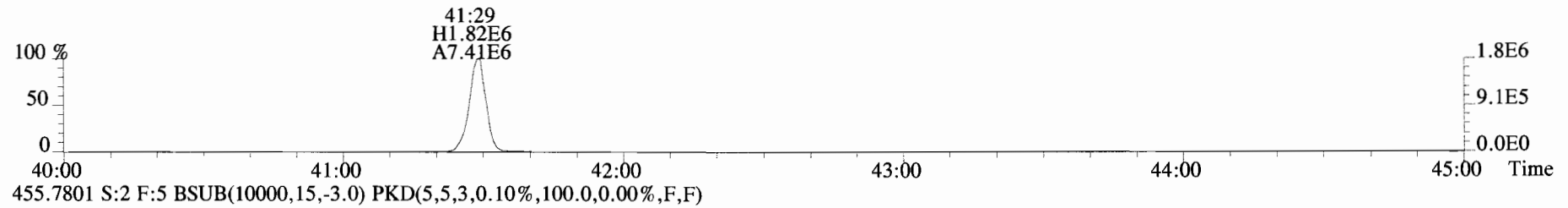
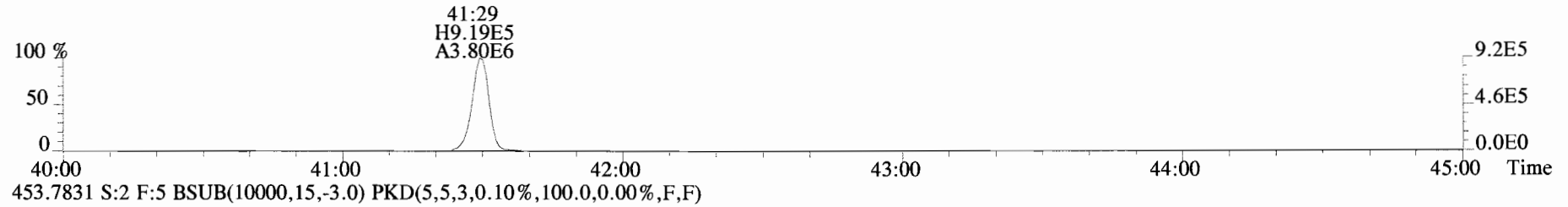
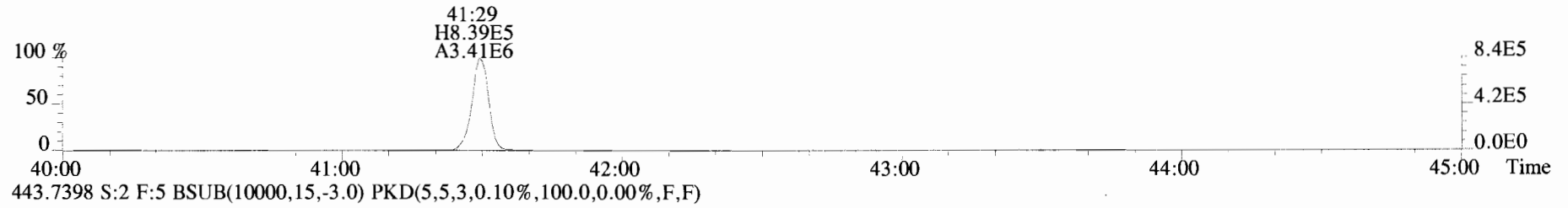
419.8220 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



479.7165 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191014D2 #1-432 Acq:14-OCT-2019 17:57:43 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text: Vista_Analytical_Laboratory_VG7 Text:B9J0052-BS1 OPR 10 Exp:OCDD_DB5
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	3.91e+05	0.75 y	0.91	26:37	6.7223			* 2.5	*	Total Tetra-Dioxins	36.1	36.6		*	*
1,2,3,7,8-PeCDD	3.21e+05	0.62 y	0.90	30:58	7.0100			* 2.5	*	Total Penta-Dioxins	49.2	49.2		*	*
1,2,3,4,7,8-HxCDD	2.07e+05	1.21 y	1.10	34:19	5.2640			* 2.5	*	Total Hexa-Dioxins	293	293		*	*
1,2,3,6,7,8-HxCDD	1.10e+06	1.20 y	0.94	34:26	28.933			* 2.5	*	Total Hepta-Dioxins	1940	1940		*	*
1,2,3,7,8,9-HxCDD	4.97e+05	1.30 y	0.96	34:45	12.962			* 2.5	*	Total Tetra-Furans	583	583		*	*
1,2,3,4,6,7,8-HpCDD	2.96e+07	1.02 y	0.98	38:08	893.28			* 2.5	*	Total Penta-Furans	674.71	674.71		*	*
OCDD	1.89e+08	0.89 y	0.96	41:31	9963.5	E		* 2.5	*	Total Hexa-Furans	787	787		*	*
2,3,7,8-TCDF	1.16e+07	0.77 y	0.95	25:54	145.16	OK		* 2.5	*	Total Hepta-Furans	669	669		*	*
1,2,3,7,8-PeCDF	1.37e+07	1.58 y	0.96	29:50	203.77			* 2.5	*						
2,3,4,7,8-PeCDF	4.56e+06	1.46 y	1.01	30:42	66.082			* 2.5	*						
1,2,3,4,7,8-HxCDF	2.29e+07	1.22 y	1.18	33:25	408.30			* 2.5	*						
1,2,3,6,7,8-HxCDF	6.79e+06	1.22 y	1.07	33:33	110.79			* 2.5	*						
2,3,4,6,7,8-HxCDF	1.53e+06	1.22 y	1.11	34:10	27.789			* 2.5	*						
1,2,3,7,8,9-HxCDF	1.08e+06	1.20 y	1.06	35:10	22.748			* 2.5	*						
1,2,3,4,6,7,8-HpCDF	1.08e+07	1.01 y	1.13	36:59	263.36			* 2.5	*						
1,2,3,4,7,8,9-HpCDF	2.70e+06	1.01 y	1.28	38:43	76.759			* 2.5	*						
OCDF	1.56e+07	0.88 y	0.95	41:46	659.80			* 2.5	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	1.27e+07	0.78 y	1.10	26:36	172.67					87.6					
IS 13C-1,2,3,7,8-PeCDD	1.00e+07	0.63 y	0.88	30:58	169.46					85.9					
IS 13C-1,2,3,4,7,8-HxCDD	7.03e+06	1.30 y	0.64	34:19	160.89					81.6					
IS 13C-1,2,3,6,7,8-HxCDD	7.99e+06	1.29 y	0.86	34:26	137.09					69.5					
IS 13C-1,2,3,7,8,9-HxCDD	7.87e+06	1.27 y	0.81	34:45	143.27					72.7					
IS 13C-1,2,3,4,6,7,8-HpCDD	6.67e+06	1.04 y	0.65	38:08	149.91					76.0					
IS 13C-OCDD	7.80e+06	0.88 y	0.58	41:31	197.52					50.1					
IS 13C-2,3,7,8-TCDF	1.67e+07	0.80 y	1.03	25:53	160.67					81.5					
IS 13C-1,2,3,7,8-PeCDF	1.38e+07	1.58 y	0.85	29:49	161.31					81.8					
IS 13C-2,3,4,7,8-PeCDF	1.34e+07	1.62 y	0.85	30:42	157.97					80.1					
IS 13C-1,2,3,4,7,8-HxCDF	9.42e+06	0.52 y	0.83	33:24	166.30					84.3					
IS 13C-1,2,3,6,7,8-HxCDF	1.13e+07	0.50 y	1.03	33:32	160.43					81.4					
IS 13C-2,3,4,6,7,8-HxCDF	9.72e+06	0.52 y	0.95	34:09	149.78					76.0					
IS 13C-1,2,3,7,8,9-HxCDF	8.82e+06	0.52 y	0.83	35:10	156.59					79.4					
IS 13C-1,2,3,4,6,7,8-HpCDF	7.17e+06	0.43 y	0.76	36:59	138.96					70.5					
IS 13C-1,2,3,4,7,8,9-HpCDF	5.42e+06	0.43 y	0.58	38:43	137.05					69.5					
IS 13C-OCDF	9.84e+06	0.90 y	0.69	41:45	209.79					53.2					
C/Up 37Cl-2,3,7,8-TCDD	5.61e+06		1.20	26:37	69.838					88.5					
RS/RT 13C-1,2,3,4-TCDD	1.32e+07	0.77 y	1.00	26:03	197.20										
RS 13C-1,2,3,4-TCDF	1.97e+07	0.82 y	1.00	24:43	197.20										
RS/RT 13C-1,2,3,4,6,9-HxCDF	1.34e+07	0.52 y	1.00	33:50	197.20										

Integrations
 by Analyst: DB
 Reviewed by Analyst: HL C7
 Date: 10/31/19 Date: 10/31/19 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 14 File: 191011D2 S: 9 I: 1 F: 1
 Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 36.648

Unnamed Concentration: 29.926

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name	
23:25	2.661e+05	3.179e+05	0.84 y	5.839e+05	10.031	
23:45	9.194e+04	1.135e+05	0.81 y	2.055e+05	3.5296	
24:07	3.311e+04	4.303e+04	0.77 y	7.614e+04	1.3079	
24:49	1.423e+04	1.915e+04	0.74 y	3.337e+04	0.57329	
25:01	6.132e+04	8.197e+04	0.75 y	1.433e+05	2.4613	
25:12	9.978e+04	1.204e+05	0.83 y	2.202e+05	3.7823	
25:22	1.963e+04	2.799e+04	0.70 y	4.762e+04	0.81803	
25:34	1.334e+04	1.674e+04	0.80 y	3.008e+04	0.51672	
25:44	1.906e+04	2.501e+04	0.76 y	4.407e+04	0.75708	
26:02	1.595e+04	2.085e+04	0.76 y	3.680e+04	0.63215	
26:09	6.705e+03	8.484e+03	0.79 y	1.519e+04	0.26092	
26:23	9.069e+04	1.147e+05	0.79 y	2.054e+05	3.5275	
26:28	6.310e+03	6.971e+03	0.91 n	1.234e+04	0.21193	
26:37	1.683e+05	2.230e+05	0.75 y	3.913e+05	6.7223	2,3,7,8-TCDD
26:54	3.154e+04	3.958e+04	0.80 y	7.112e+04	1.2217	
27:25	1.101e+04	9.691e+03	1.14 n	1.715e+04	0.29463	

Totals class: PeCDD EMPC

Entry #: 21

Run: 14 File: 191011D2 S: 9 I: 1 F: 2
Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 49.202 Unnamed Concentration: 42.192

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:57	2.708e+05	4.050e+05	0.67	y	6.759e+05	14.742 ✓
29:24	5.489e+04	9.246e+04	0.59	y	1.474e+05	3.2142 ✓
29:50	1.365e+05	1.930e+05	0.71	y	3.295e+05	7.1864 ✓
29:59	7.272e+04	1.165e+05	0.62	y	1.892e+05	4.1268 ✓
30:04	4.279e+04	7.944e+04	0.54	y	1.222e+05	2.6662 ✓
30:17	9.827e+04	1.571e+05	0.63	y	2.553e+05	5.5698 ✓
30:34	3.141e+04	5.309e+04	0.59	y	8.449e+04	1.8430 ✓
30:58	1.228e+05	1.986e+05	0.62	y	3.214e+05	7.0100 ✓ 1,2,3,7,8-PeCDD
31:02	2.305e+04	4.176e+04	0.55	y	6.482e+04	1.4138 ✓
31:19	2.331e+04	4.226e+04	0.55	y	6.557e+04	1.4301 ✓

Totals class: HxCDD EMPC

Entry #: 23

Run: 14 File: 191011D2 S: 9 I: 1 F: 3
Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 292.83

Unnamed Concentration: 245.667

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:43	2.515e+06	2.056e+06	1.22	y	4.571e+06	119.13 ✓
33:19	2.870e+05	2.309e+05	1.24	y	5.179e+05	13.497 ✓
33:35	2.175e+06	1.786e+06	1.22	y	3.961e+06	103.22 ✓
33:43	1.070e+05	8.480e+04	1.26	y	1.918e+05	4.9997 ✓
34:19	1.131e+05	9.369e+04	1.21	y	2.068e+05	5.2640 ✓ 1,2,3,4,7,8-HxCDD
34:26	6.000e+05	4.997e+05	1.20	y	1.100e+06	28.933 ✓ 1,2,3,6,7,8-HxCDD
34:38	1.047e+05	8.017e+04	1.31	y	1.849e+05	4.8193 ✓
34:45	2.814e+05	2.158e+05	1.30	y	4.972e+05	12.962 ✓ 1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 14 File: 191011D2 S: 9 I: 1 F: 4
Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 1939.9

Unnamed Concentration: 1046.637

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
37:19	1.754e+07	1.715e+07	1.02 y	3.469e+07 ^f	1046.6
38:08	1.492e+07	1.469e+07	1.02 y	2.961e+07 ^f	893.28 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 14 File: 191011D2 S: 9 I: 1 F: 1
 Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 582.92 Unnamed Concentration: 437.766

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
21:27	1.997e+05	2.538e+05	0.79	y	4.535e+05	5.6530 ✓
22:00	1.622e+05	2.001e+05	0.81	y	3.623e+05	4.5153 ✓
22:36	1.409e+06	1.816e+06	0.78	y	3.225e+06	40.192 ✓
23:05	5.749e+05	7.874e+05	0.73	y	1.362e+06	16.980 ✓
23:25	1.842e+06	2.393e+06	0.77	y	4.235e+06	52.781 ✓
23:48	5.581e+05	7.627e+05	0.73	y	1.321e+06	16.463 ~
23:55	8.058e+04	1.069e+05	0.75	y	1.875e+05	2.3372 ~
24:04	2.838e+05	3.596e+05	0.79	y	6.434e+05	8.0197 ~
24:24	4.419e+04	5.502e+04	0.80	y	9.922e+04	1.2366 ~
24:30	8.886e+04	1.246e+05	0.71	y	2.134e+05	2.6600 ~
24:42	3.034e+06	4.015e+06	0.76	y	7.050e+06	87.870 ~
25:07	4.389e+06	5.728e+06	0.77	y	1.012e+07	126.10 ~
25:21	2.201e+05	2.926e+05	0.75	y	5.127e+05	6.3898 ~
25:31	1.407e+05	1.866e+05	0.75	y	3.273e+05	4.0800 ~
25:47	1.201e+06	1.589e+06	0.76	y	2.790e+06	34.774 ~
25:54	5.078e+06	6.568e+06	0.77	y	1.165e+07	145.16 ~ 2,3,7,8-TCDF
26:12	3.323e+05	4.257e+05	0.78	y	7.581e+05	9.4487 ~
26:25	8.461e+04	9.772e+04	0.87	y	1.823e+05	2.2725 ~
27:35	6.016e+05	6.813e+05	0.88	y	1.283e+06	15.990 ~

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 14 File: 191011D2 S: 9 I: 1 F: 1
Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 47.282 Unnamed Concentration: 47.282

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:32	1.951e+06	1.269e+06	1.54 y	3.220e+06	47.282

Totals class: PeCDF EMPC

Entry #: 31

Run: 14 File: 191011D2 S: 9 I: 1 F: 2
 Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 627.43

Unnamed Concentration: 357.579

RT	ml Resp	m2 Resp	RA		Resp Concentration	Name
28:55	6.619e+06	4.103e+06	1.61	y	1.072e+07	157.44 -
29:27	2.617e+06	1.655e+06	1.58	y	4.272e+06	62.729 -
29:38	1.313e+06	8.229e+05	1.60	y	2.136e+06	31.359 -
29:50	8.378e+06	5.315e+06	1.58	y	1.369e+07	203.77 - 1,2,3,7,8-PeCDF
30:03	2.623e+06	1.639e+06	1.60	y	4.261e+06	62.574 ✓
30:42	2.707e+06	1.849e+06	1.46	y	4.557e+06	66.082 - 2,3,4,7,8-PeCDF
30:44	1.679e+06	9.590e+05	1.75	y	2.638e+06	38.734 ~
31:34	1.978e+05	1.254e+05	1.58	y	3.232e+05	4.7457 ~

Totals class: HxCDF EMPC

Entry #: 33

Run: 14 File: 191011D2 S: 9 I: 1 F: 3
 Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 786.95 Unnamed Concentration: 217.323

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:11	8.475e+05	6.953e+05	1.22	y	1.543e+06	28.092 ~
32:21	2.450e+06	2.044e+06	1.20	y	4.494e+06	81.824 ~
32:43	5.718e+04	4.042e+04	1.41	y	9.760e+04	1.7771 ~
32:55	2.521e+06	2.027e+06	1.24	y	4.548e+06	82.807 ~
33:18	1.132e+05	8.955e+04	1.26	y	2.028e+05	3.6927 ~
33:25	1.262e+07	1.033e+07	1.22	y	2.295e+07	408.30 ~ 1,2,3,4,7,8-HxCDF
33:33	3.732e+06	3.054e+06	1.22	y	6.786e+06	110.79 ~ 1,2,3,6,7,8-HxCDF
33:50	8.173e+04	6.166e+04	1.33	y	1.434e+05	2.6109 ~
34:10	8.385e+05	6.870e+05	1.22	y	1.526e+06	27.789 ~ 2,3,4,6,7,8-HxCDF
35:10	5.905e+05	4.902e+05	1.20	y	1.081e+06	22.748 ~ 1,2,3,7,8,9-HxCDF
35:13	5.023e+05	4.049e+05	1.24	y	9.072e+05	16.519 ~

Totals class: HpCDF EMPC

Entry #: 35

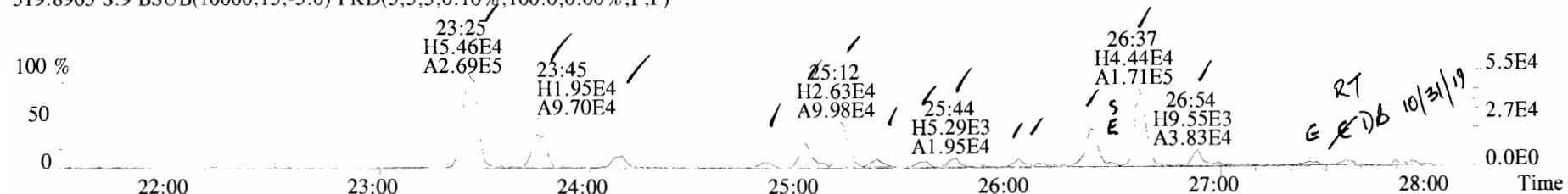
Run: 14 File: 191011D2 S: 9 I: 1 F: 4
Acquired: 12-OCT-19 07:39:49 Processed: 14-OCT-19 10:39:20

Total Concentration: 669.04

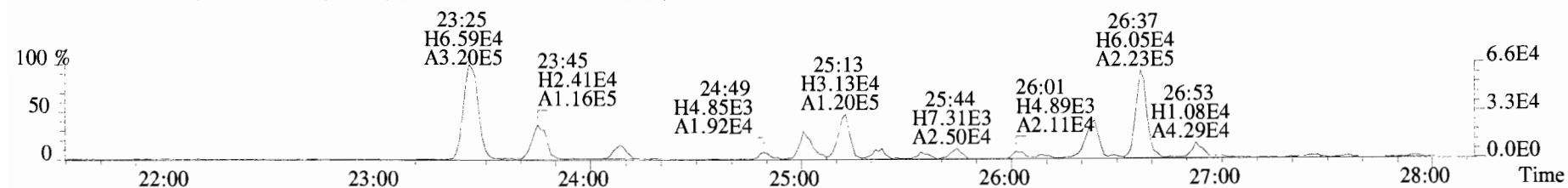
Unnamed Concentration: 328.929

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:59	5.427e+06	5.365e+06	1.01 y	1.079e+07	263.36	1,2,3,4,6,7,8-HpCDF
37:20	1.114e+05	1.073e+05	1.04 y	2.187e+05	5.7402	
37:30	6.233e+06	6.082e+06	1.02 y	1.232e+07	323.19	
38:43	1.356e+06	1.346e+06	1.01 y	2.702e+06	76.759	1,2,3,4,7,8,9-HpCDF

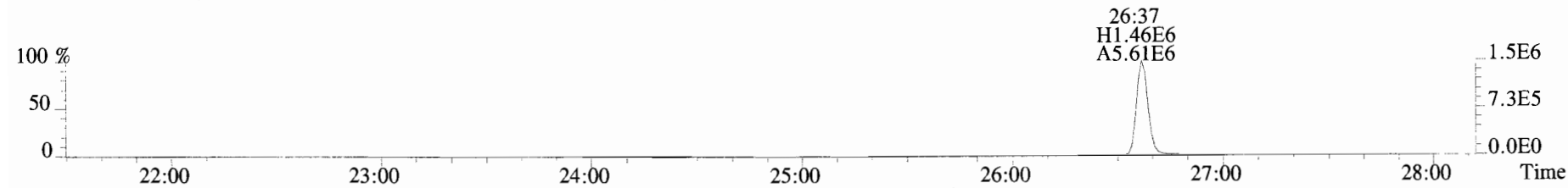
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
 319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



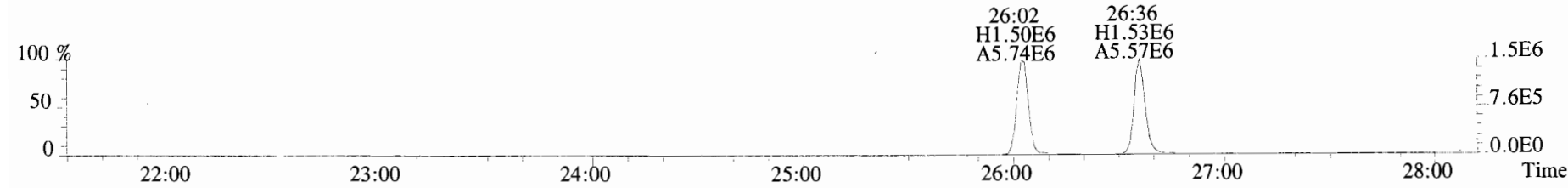
321.8936 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



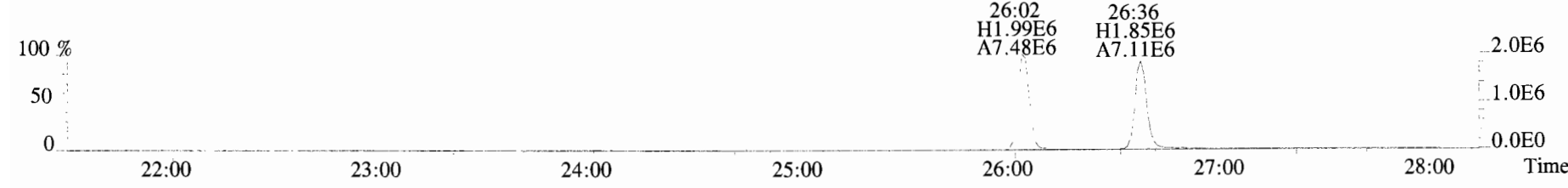
327.8847 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



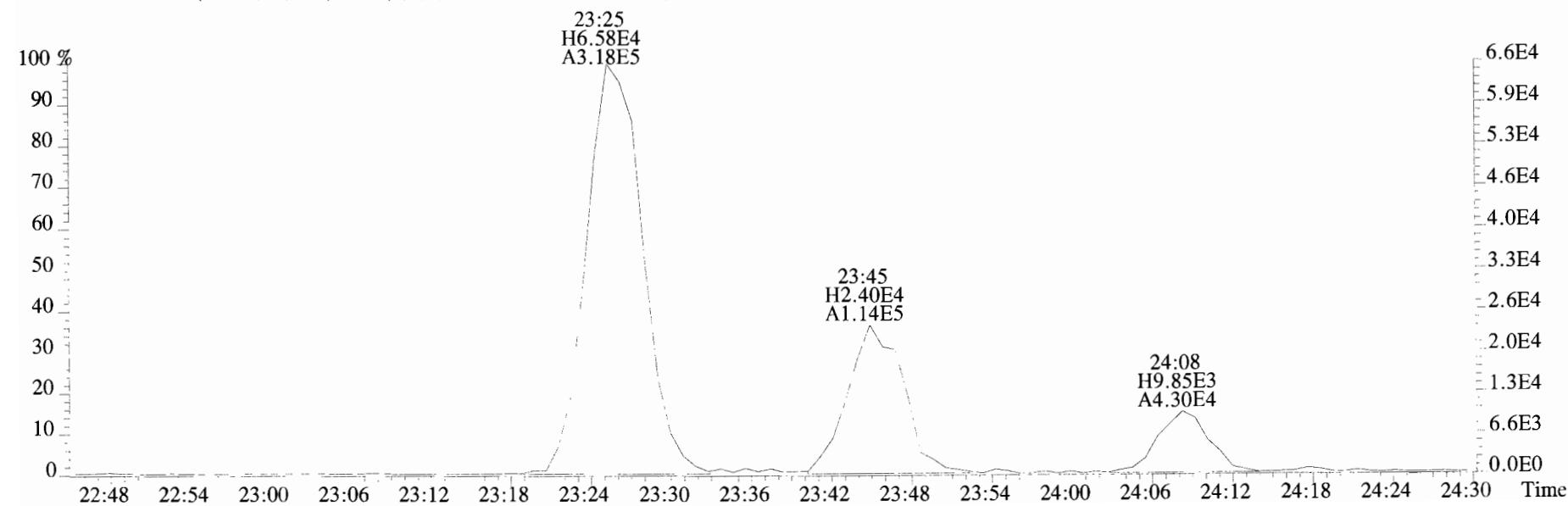
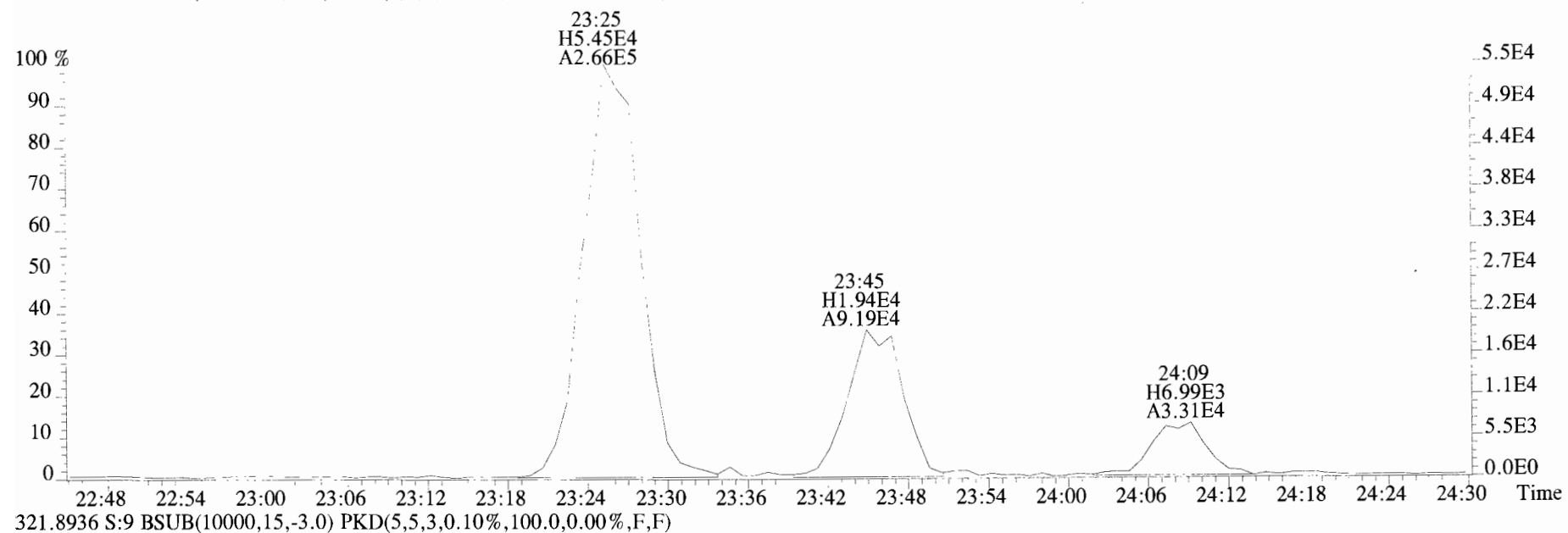
331.9368 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



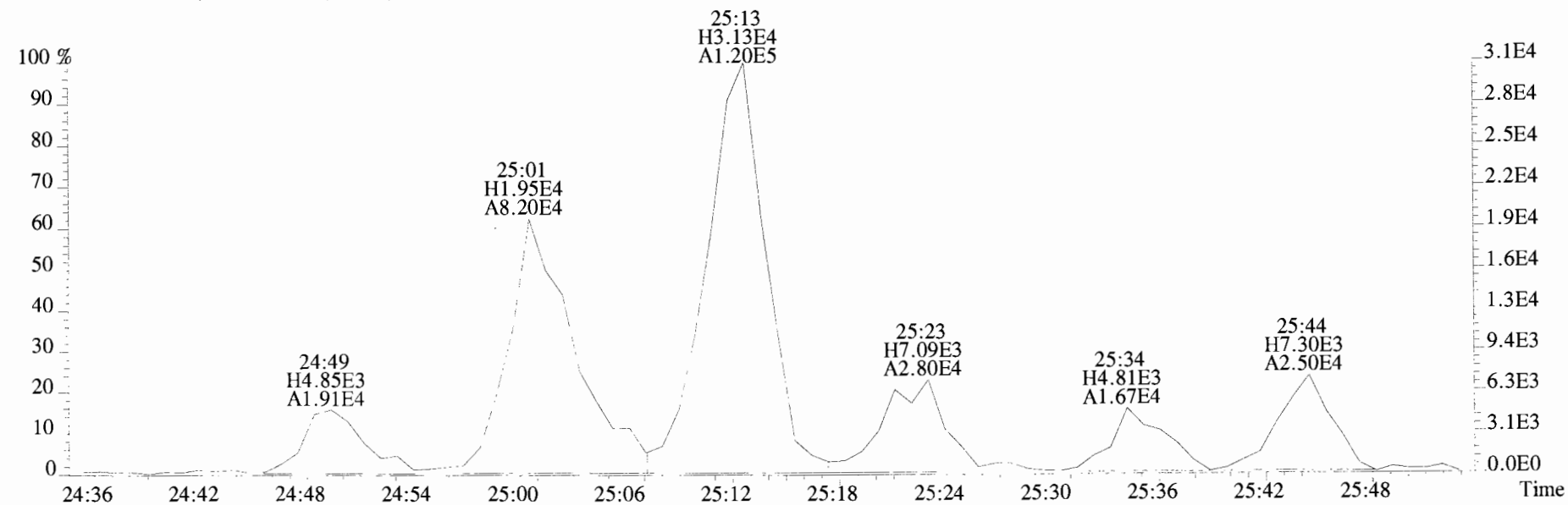
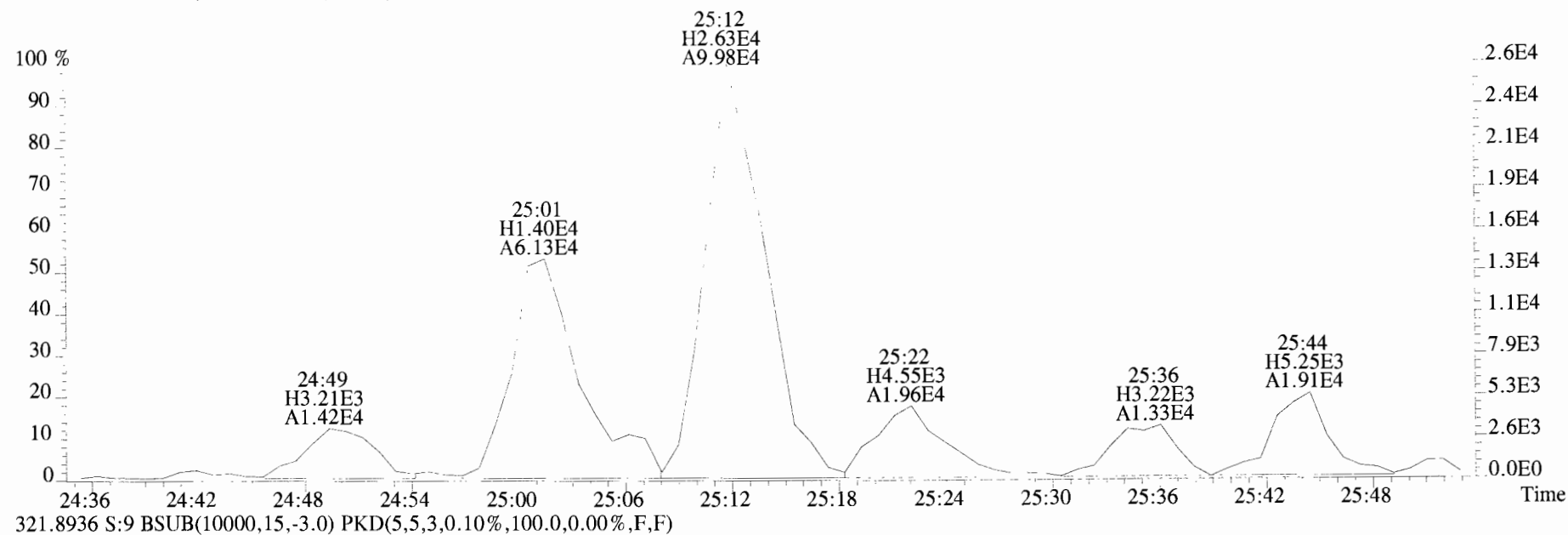
333.9339 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



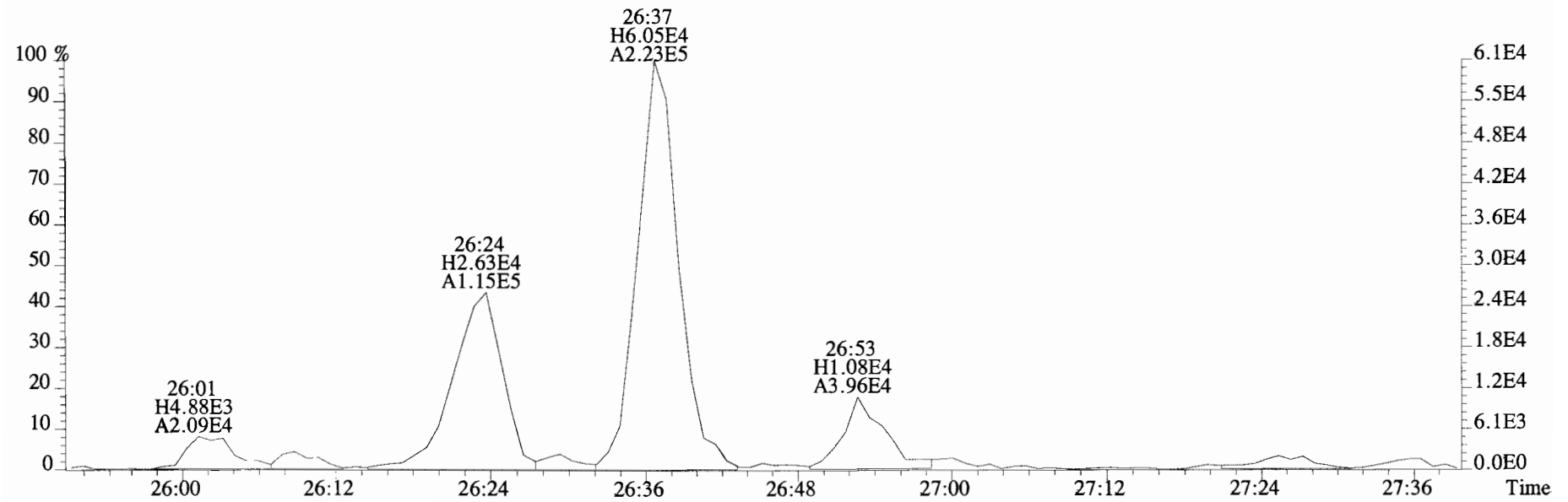
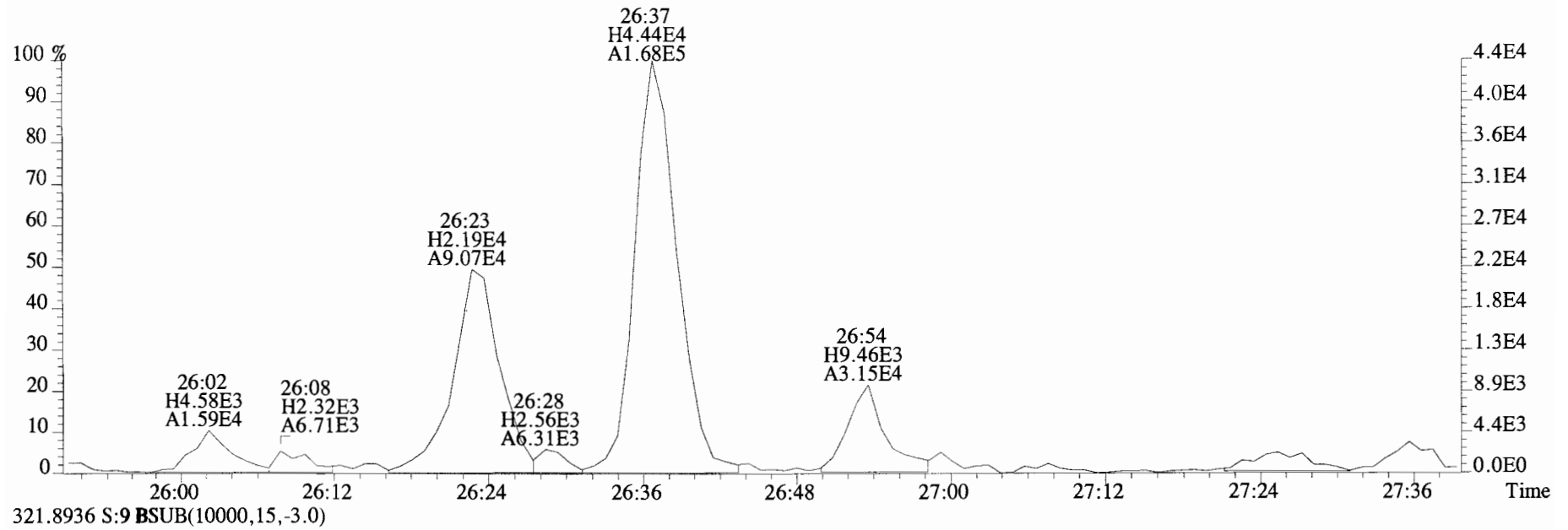
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



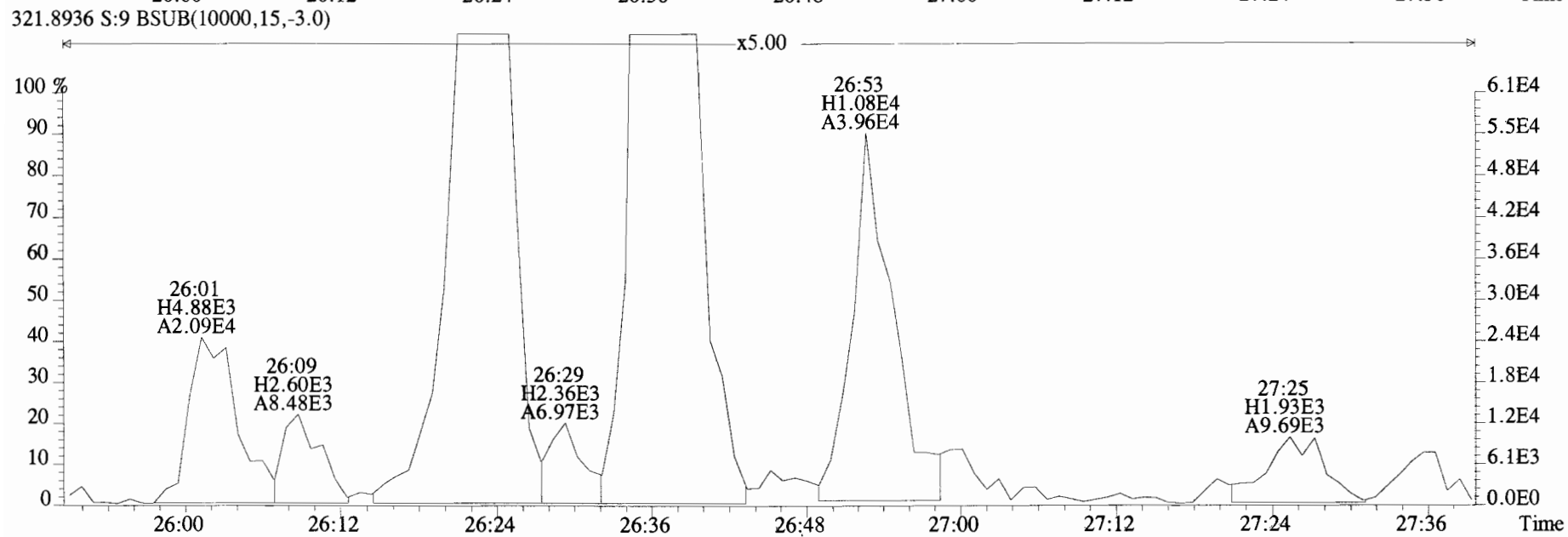
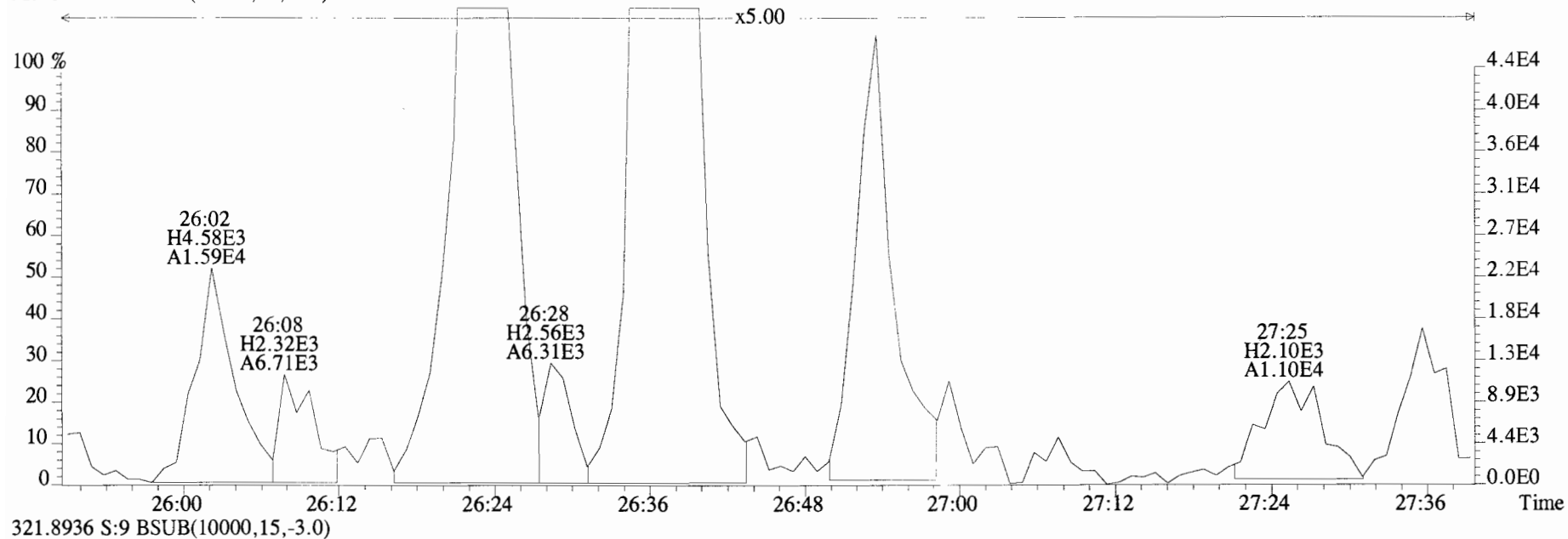
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
 319.8965 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



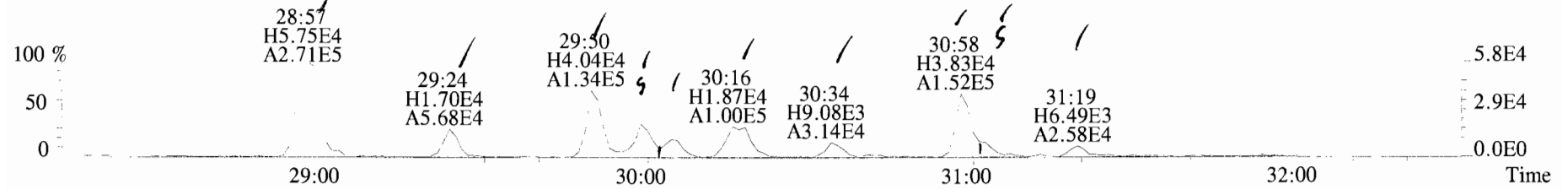
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
319.8965 S:9 BSUB(10000,15,-3.0)



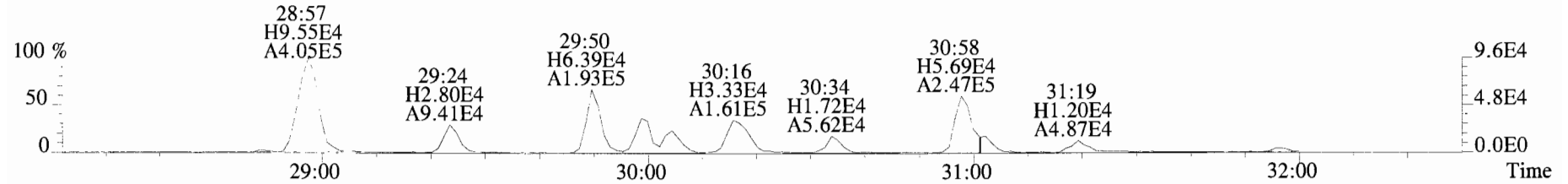
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
319.8965 S:9 BSUB(10000,15,-3.0)



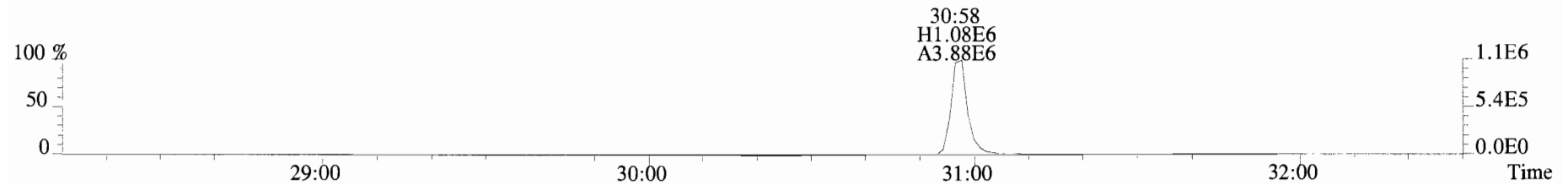
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text: Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
353.8576 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



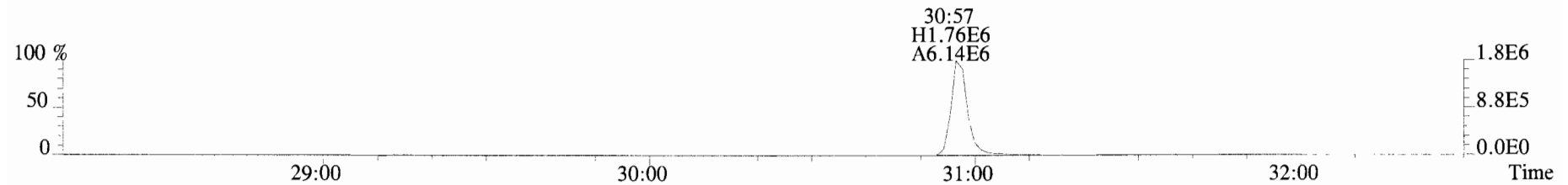
355.8546 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



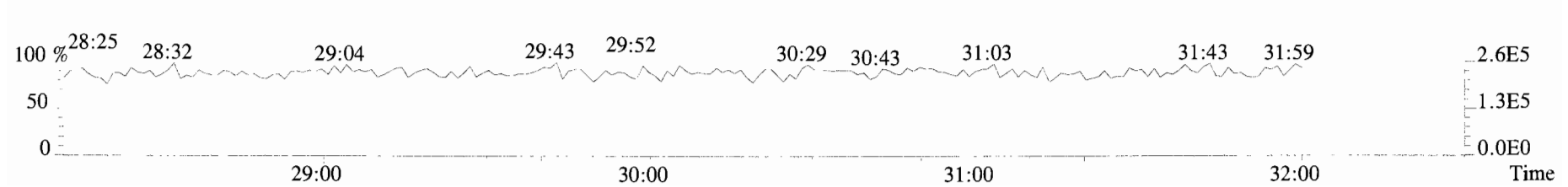
365.8978 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



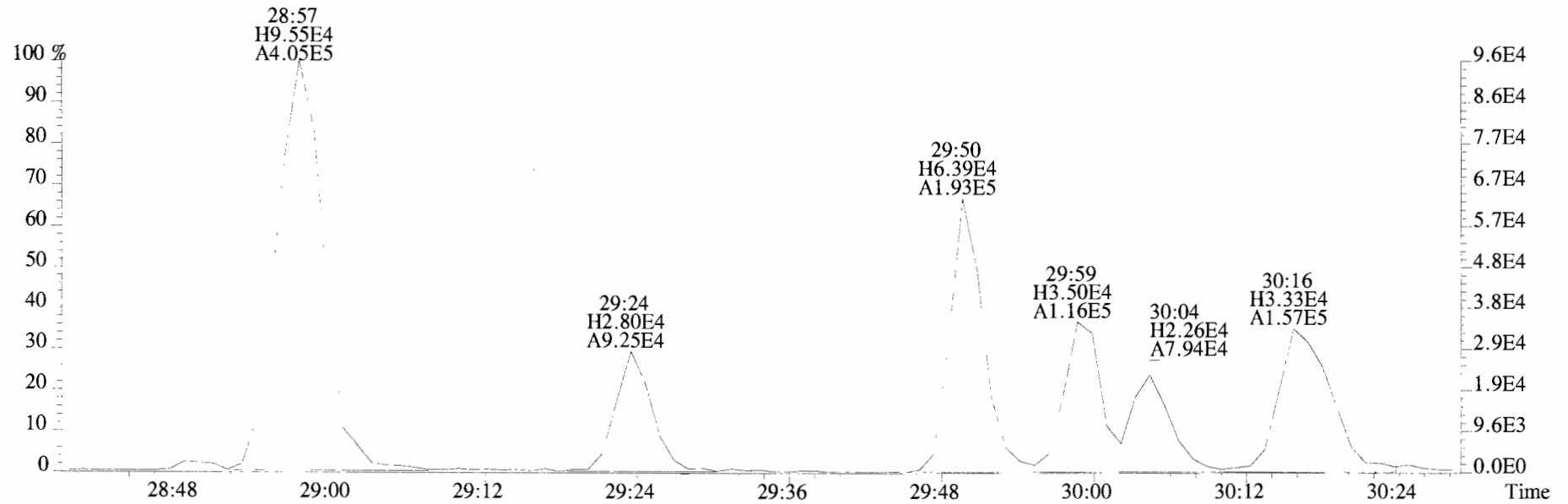
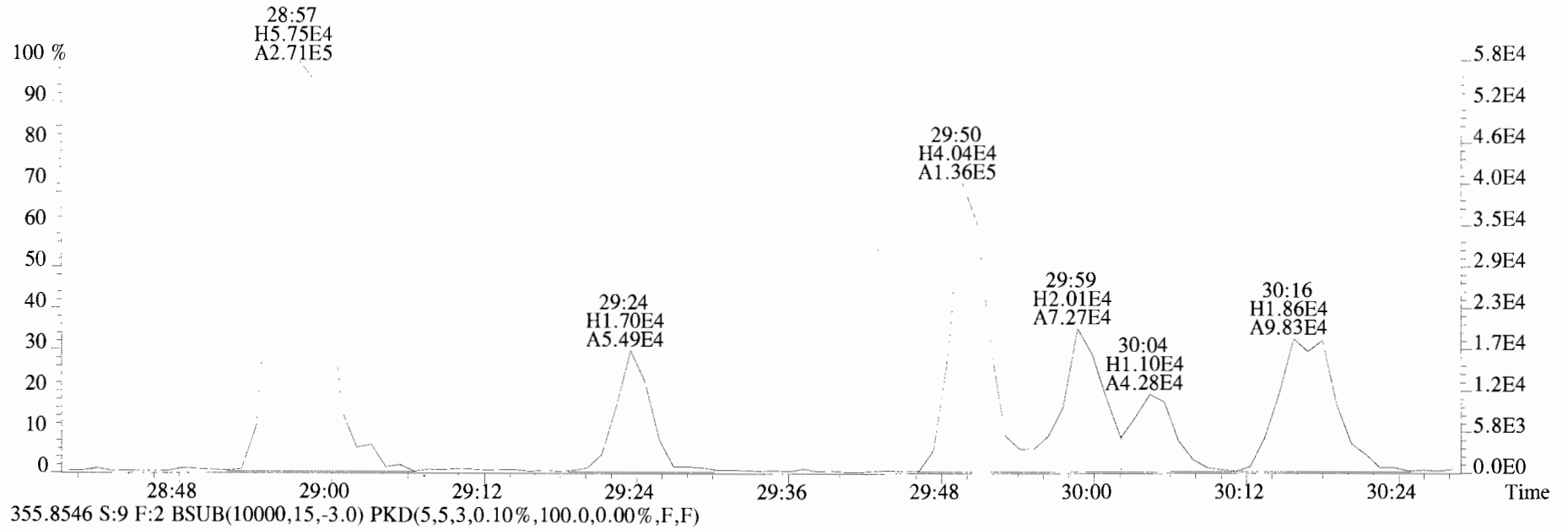
367.8949 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



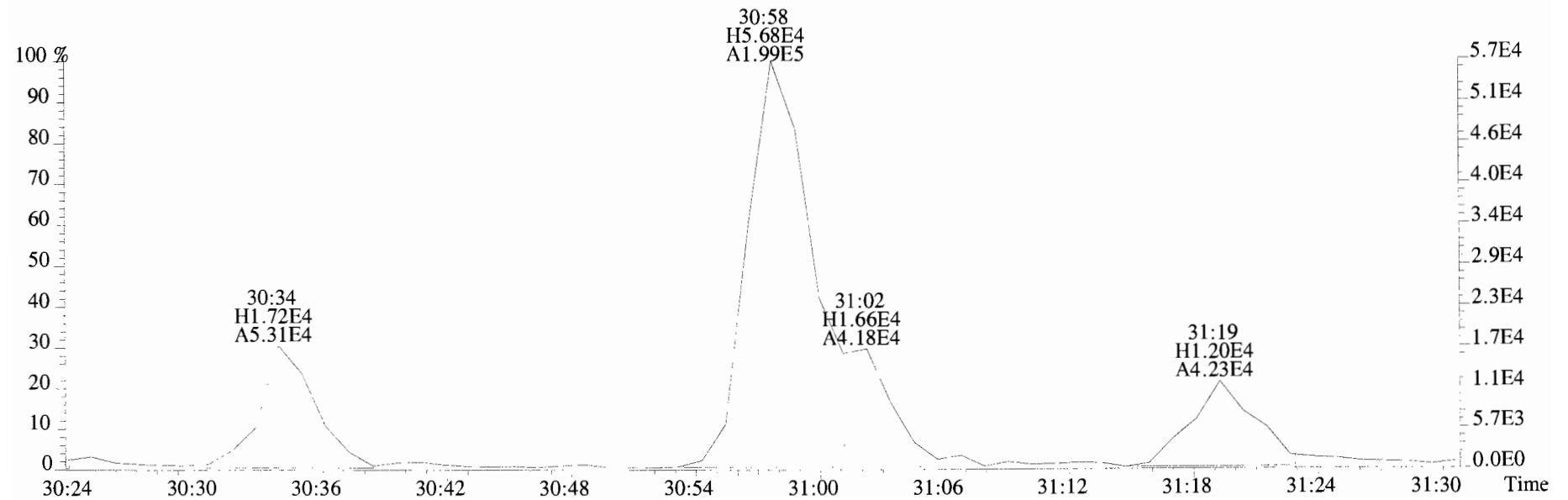
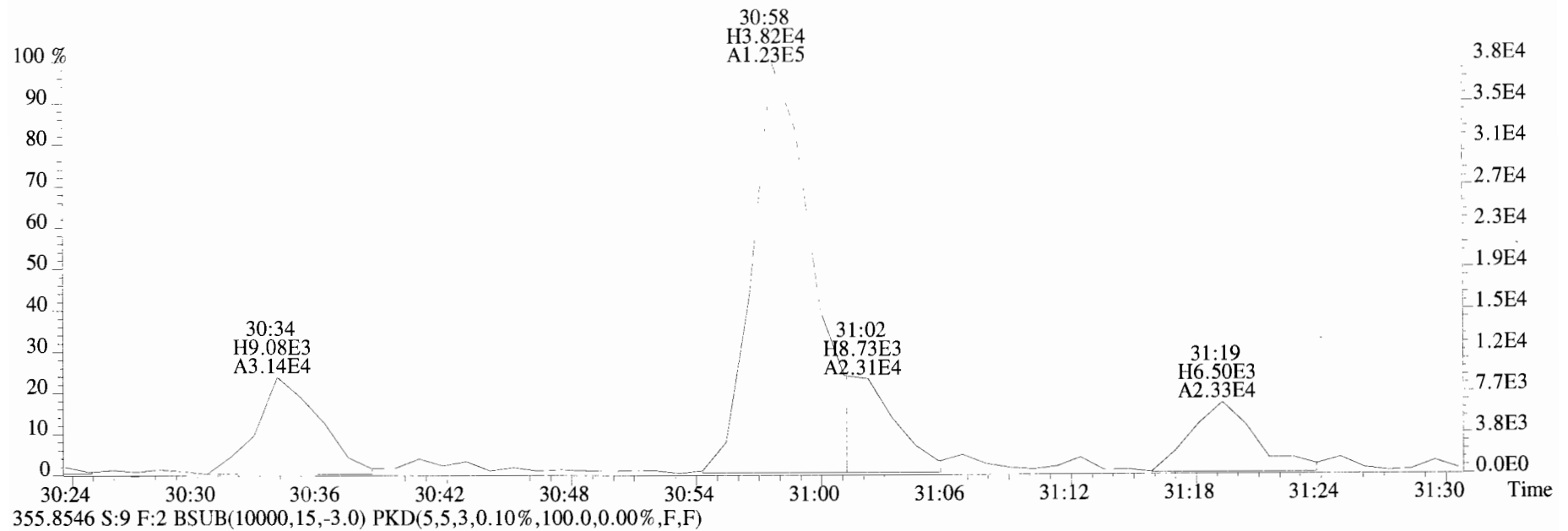
366.9792 S:9 F:2



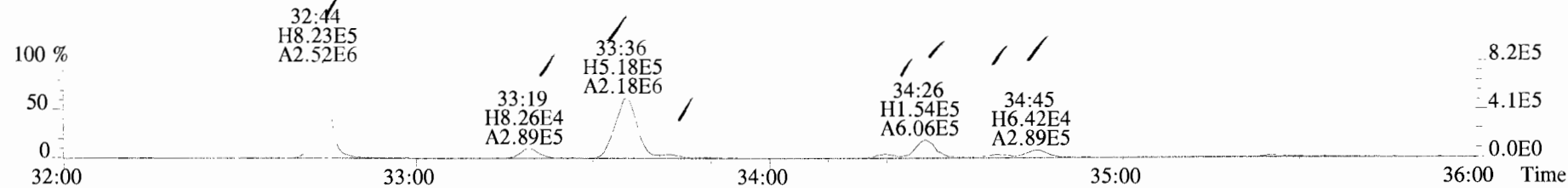
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
 353.8576 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



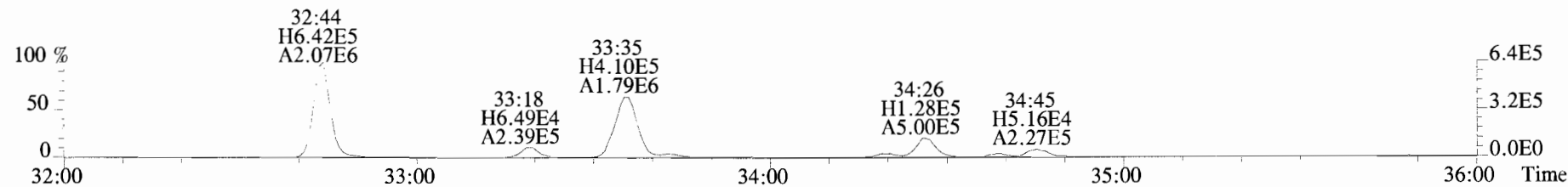
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
353.8576 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



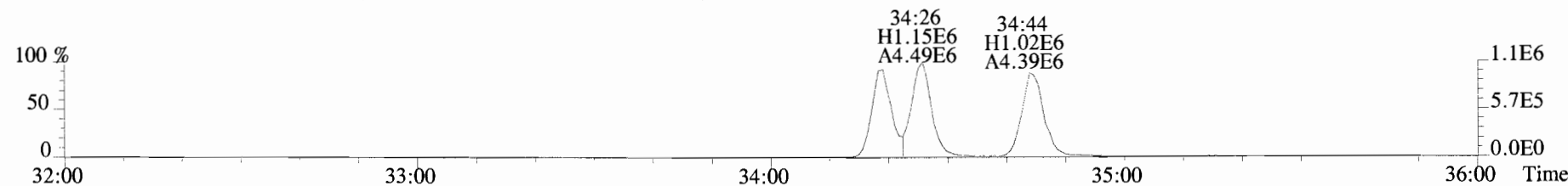
File: 191011D2 #1-356 Acq: 12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text: Vista_Analytical_Laboratory_VG7 Text: 1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp: OCDD_DB5
 389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



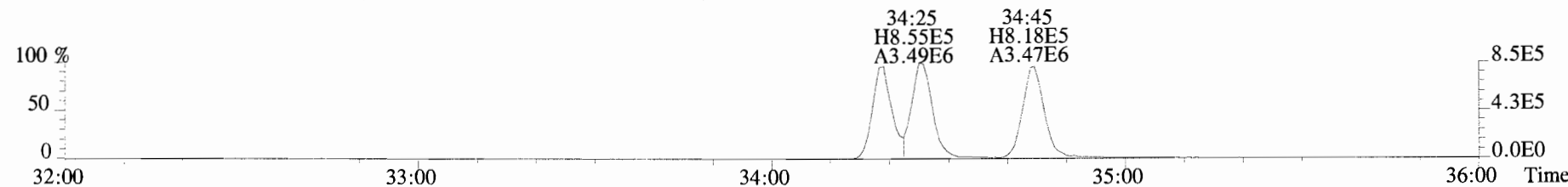
391.8127 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



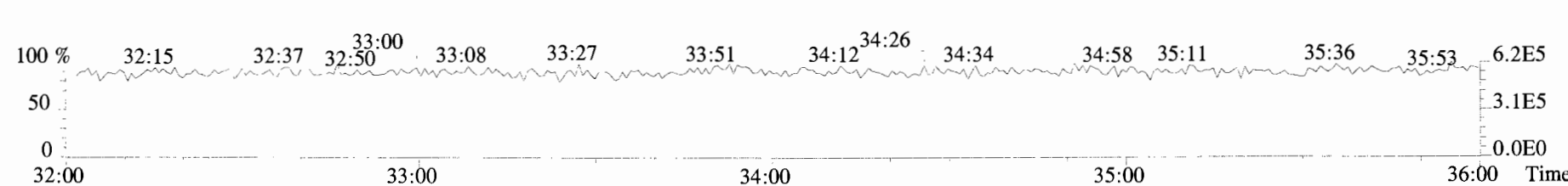
401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



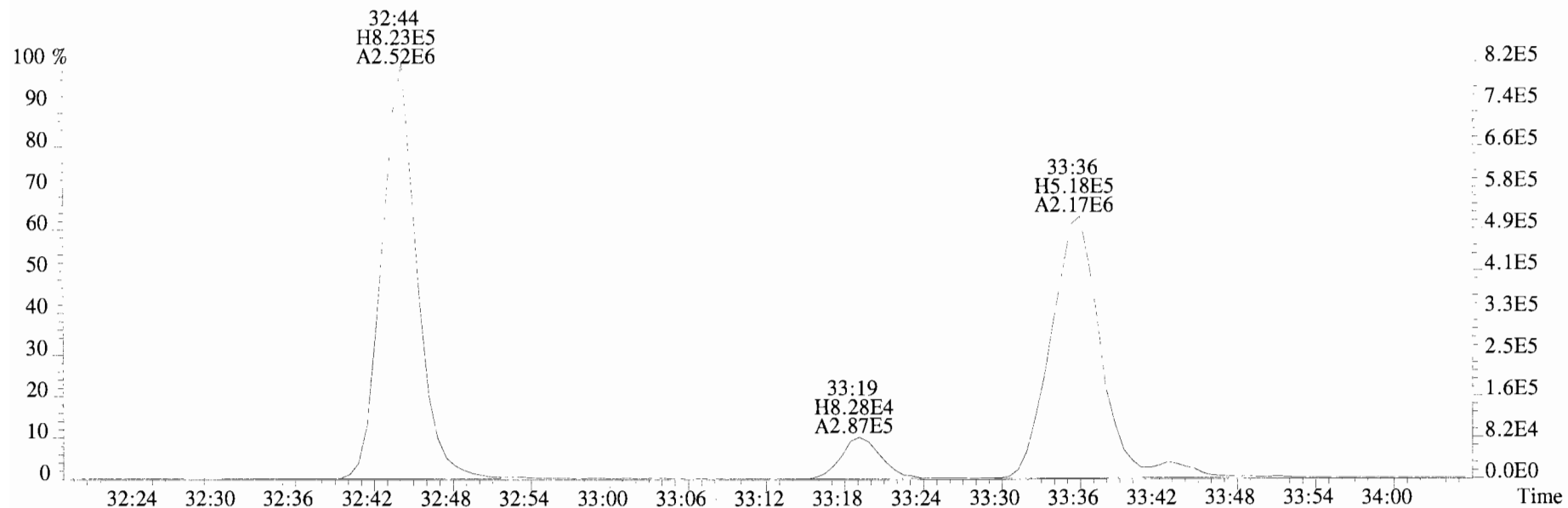
403.8530 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



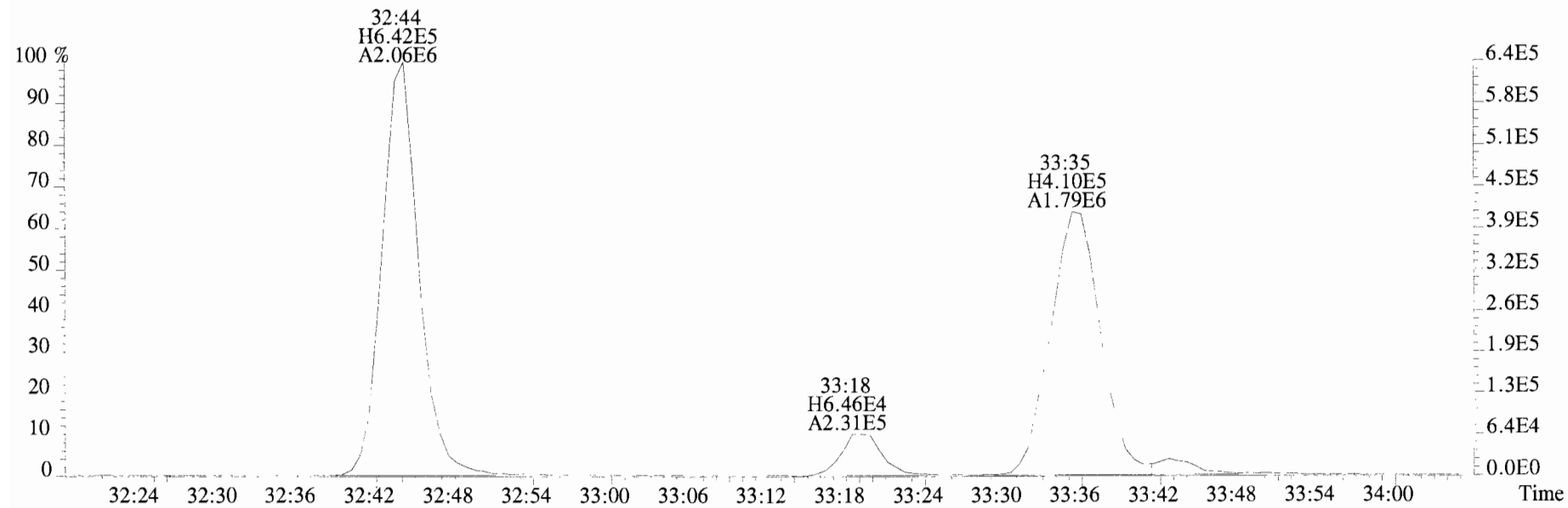
392.9760 S:9 F:3



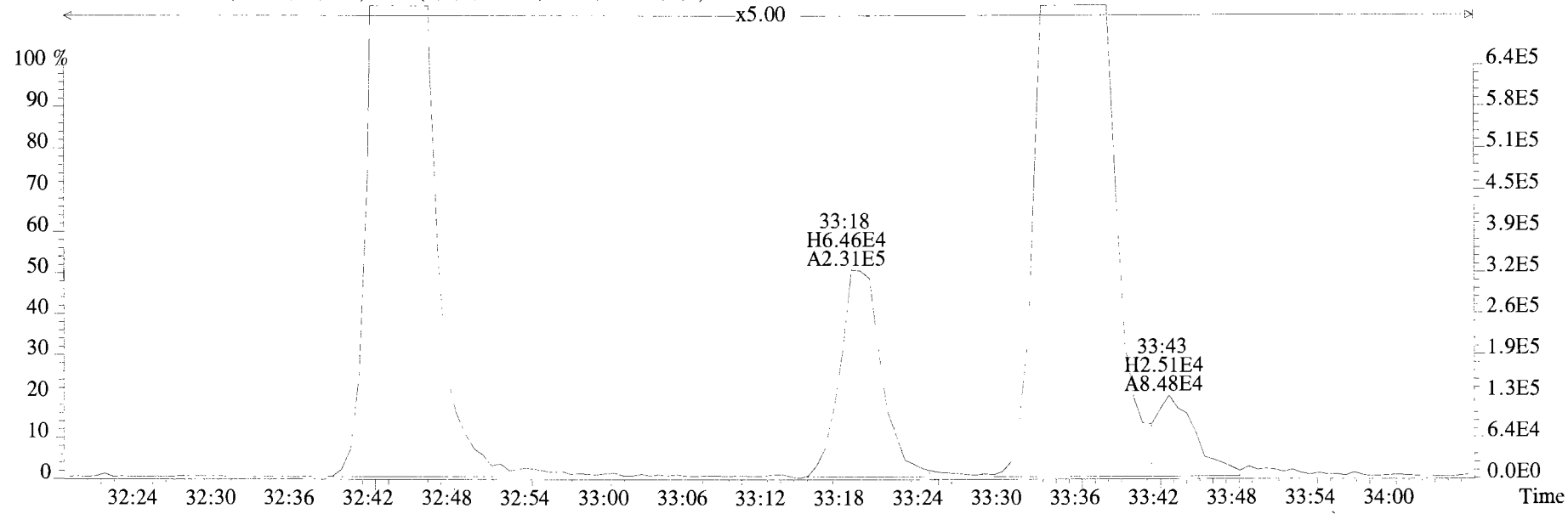
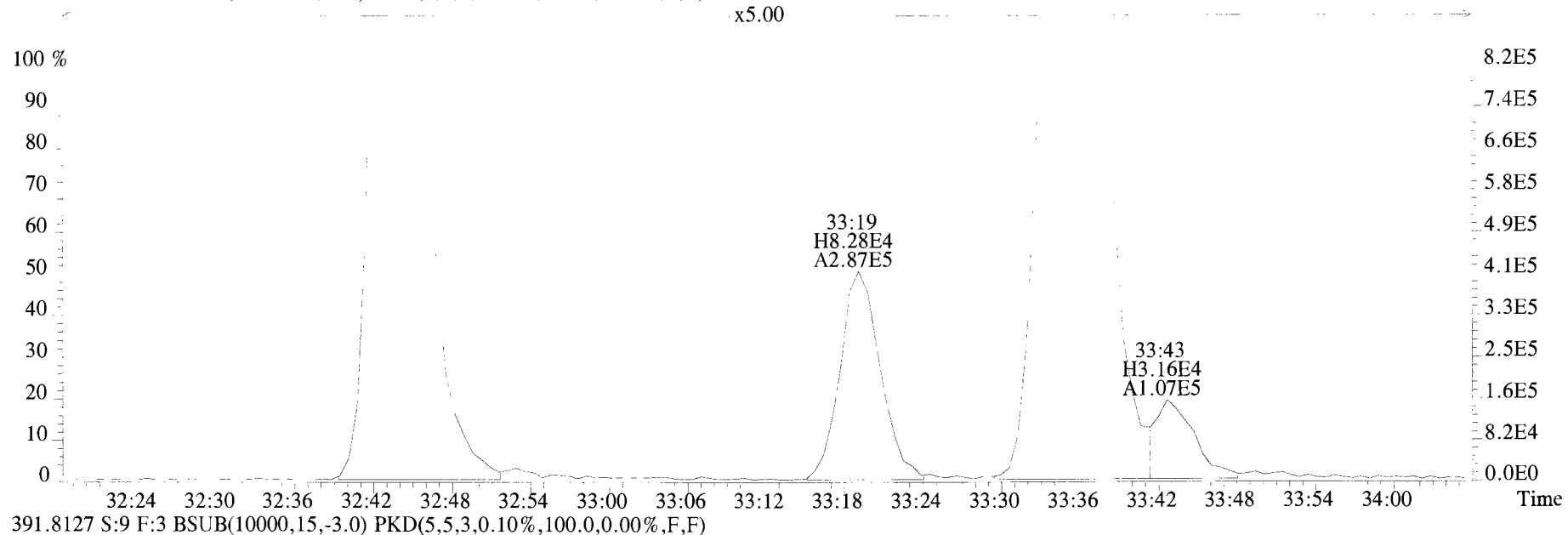
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



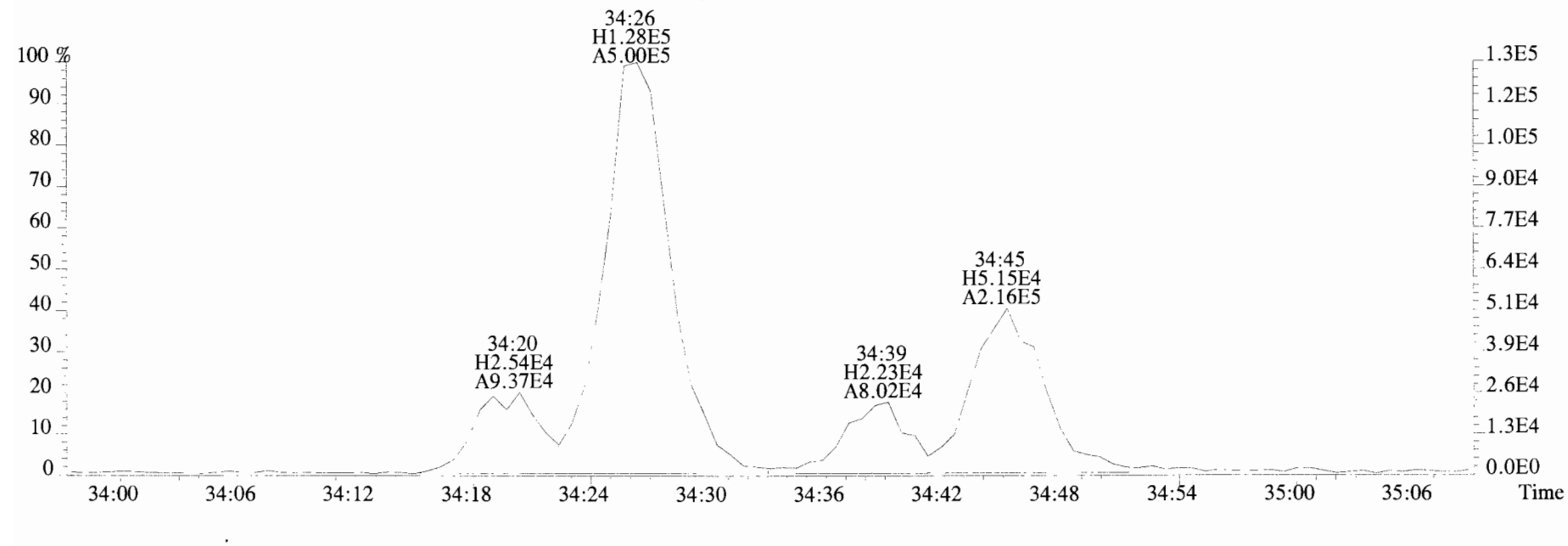
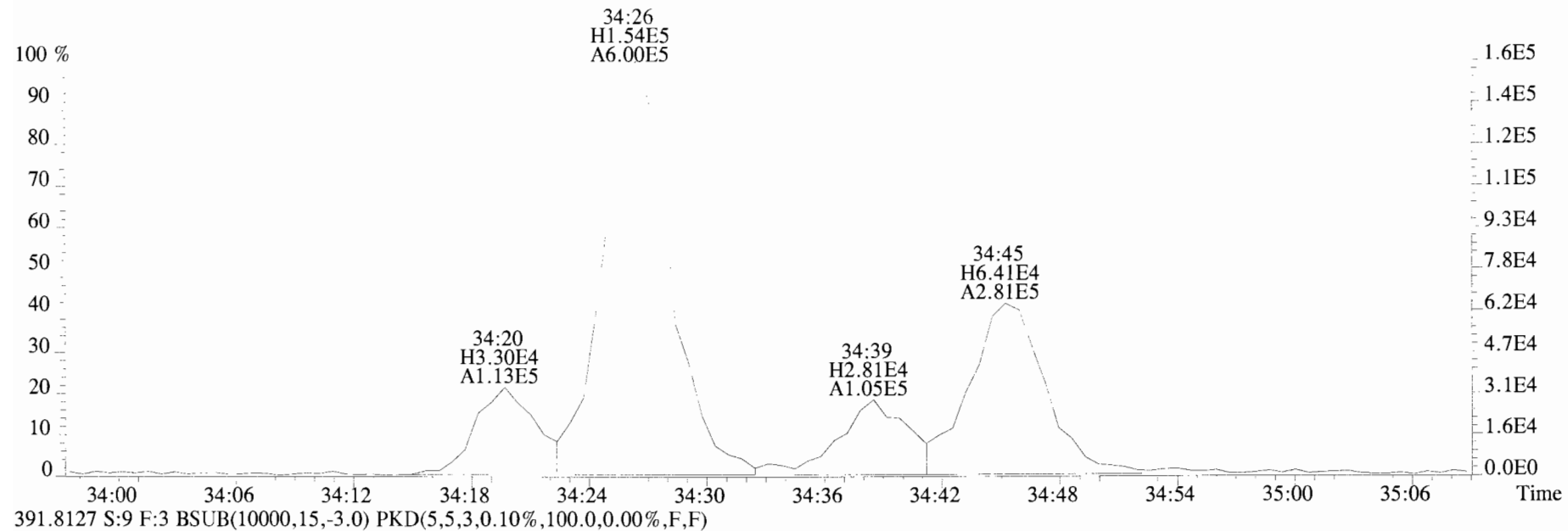
391.8127 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



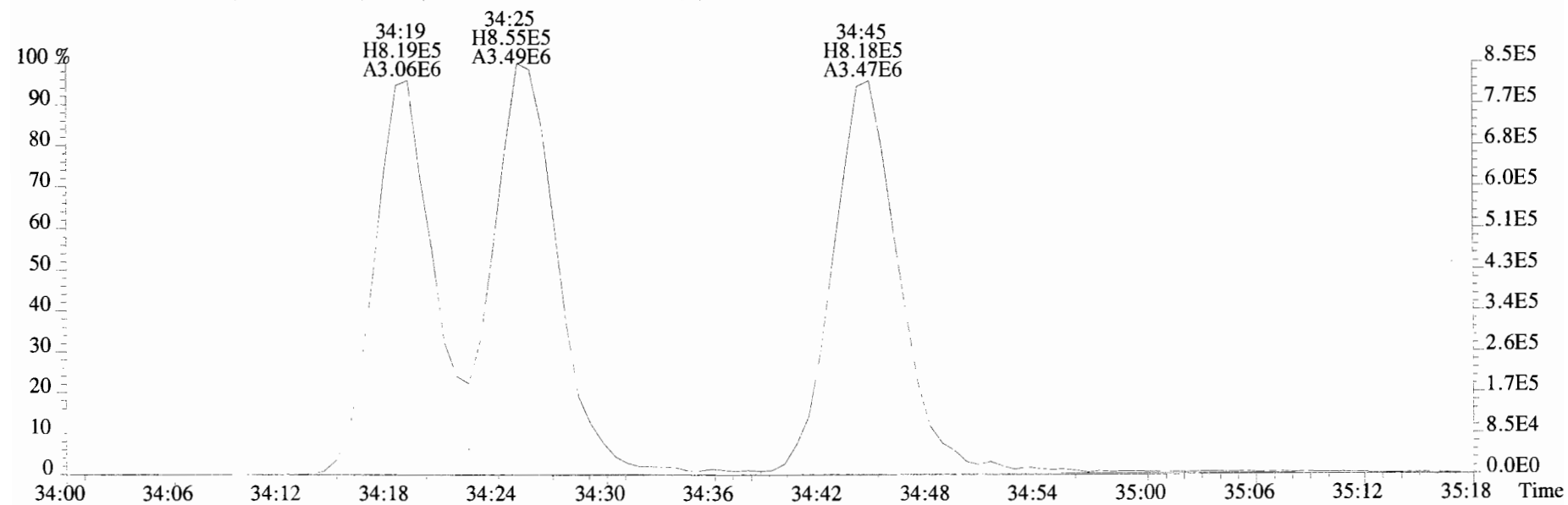
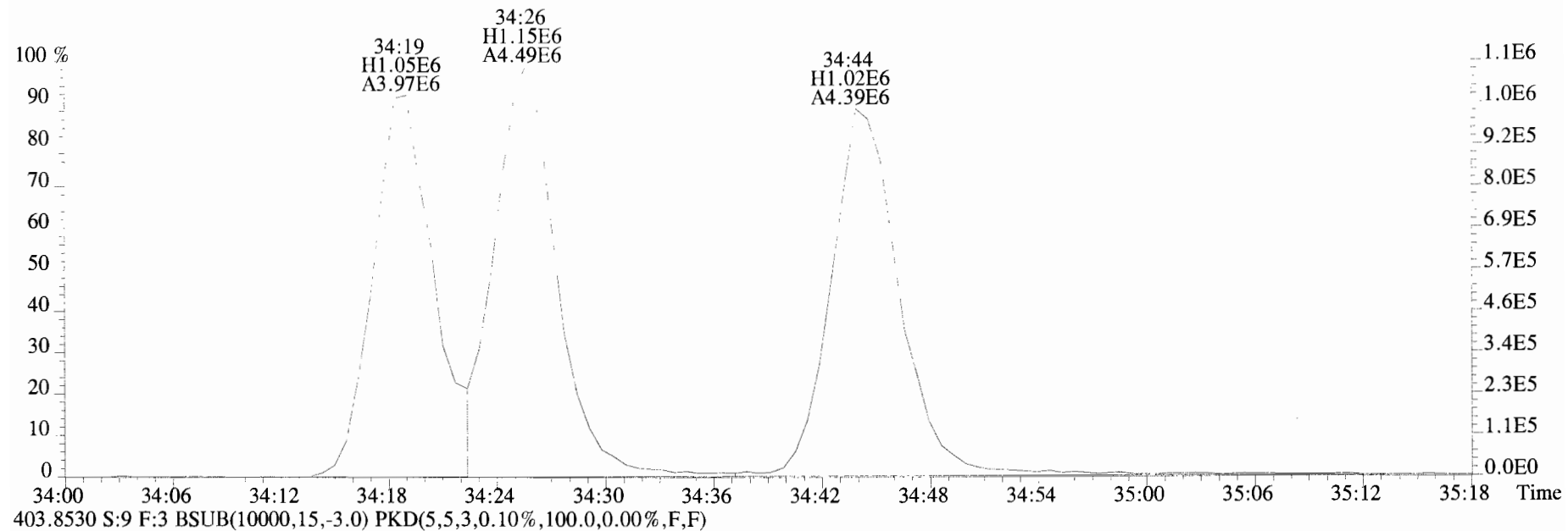
File: 191011D2 #1-356 Acq: 12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text: Vista Analytical Laboratory_VG7 Text: 1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp: OCDD_DB5
389.8156 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



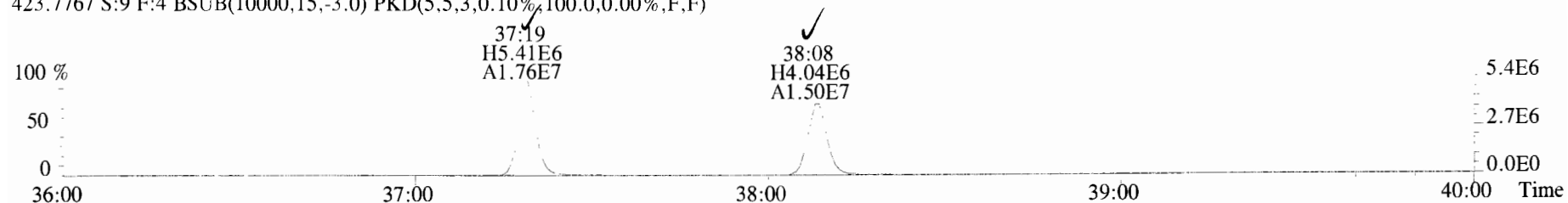
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
389.8156 S:9 F:3 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



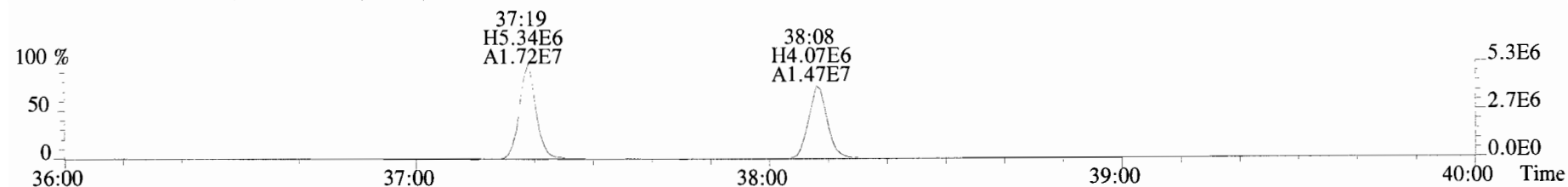
File: 191011D2 #1-356 Acq: 12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text: Vista Analytical Laboratory VG7 Text: 1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp: OCDD_DB5
401.8559 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



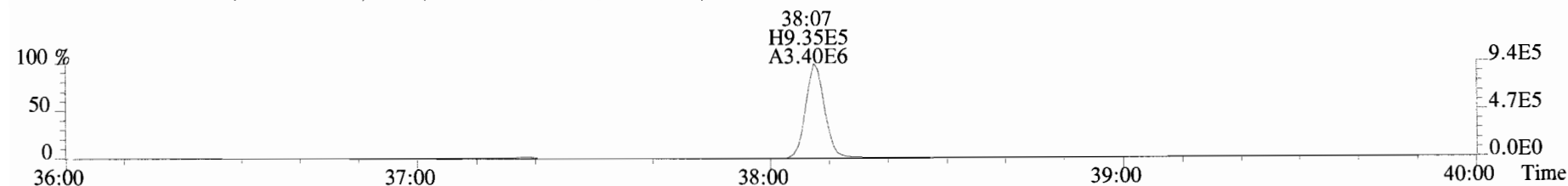
File:191011D2 #1-355 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



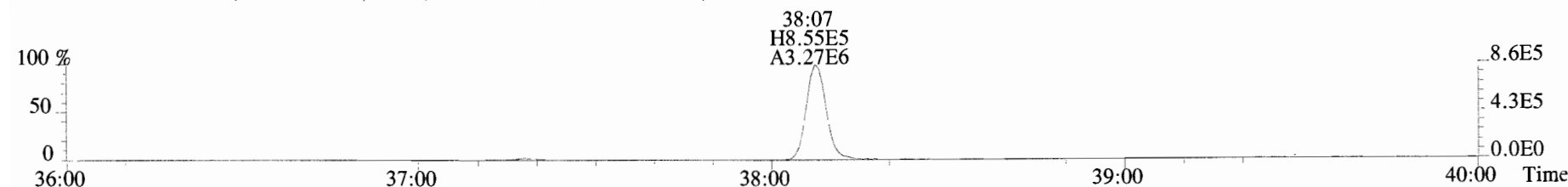
425.7737 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



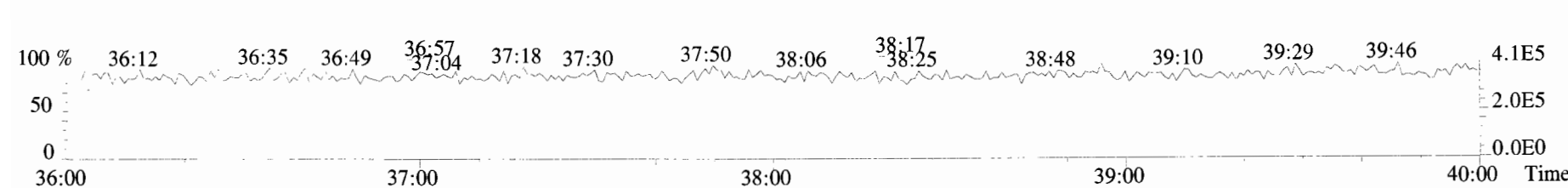
435.8169 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



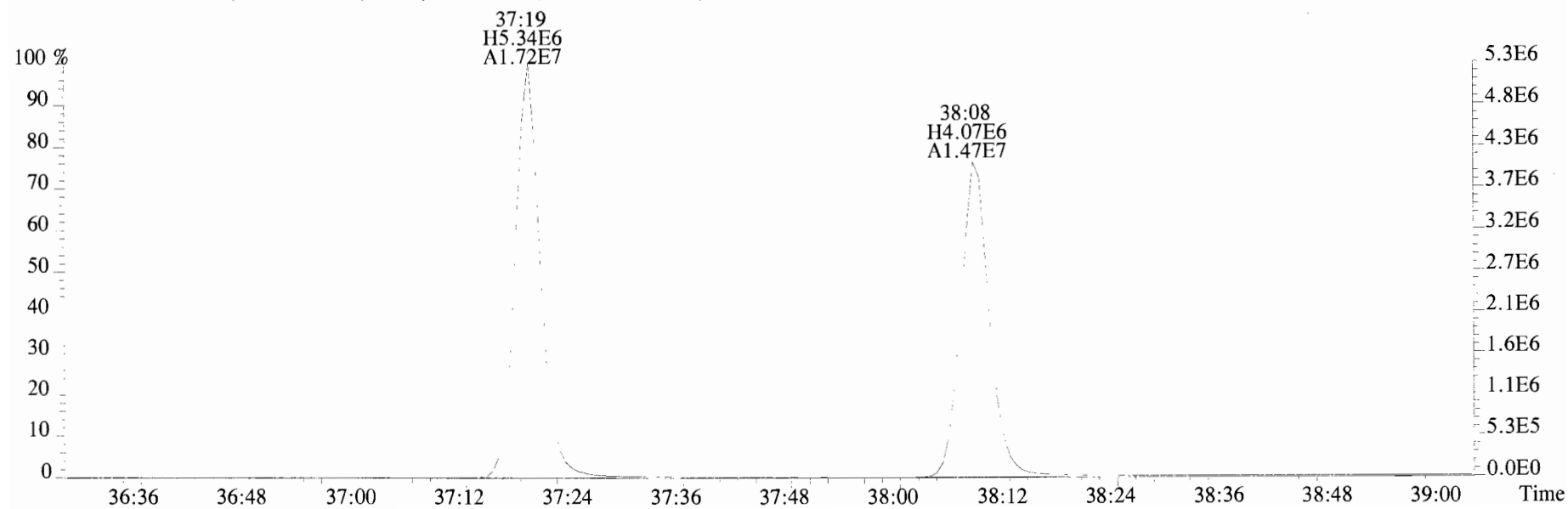
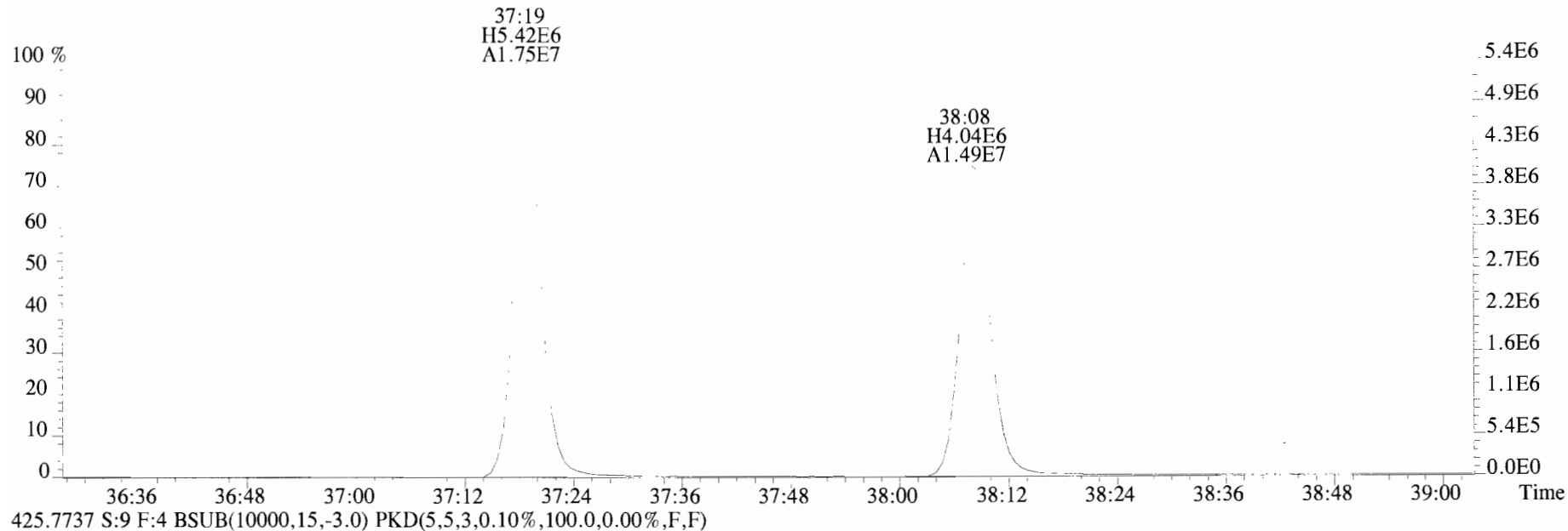
437.8140 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



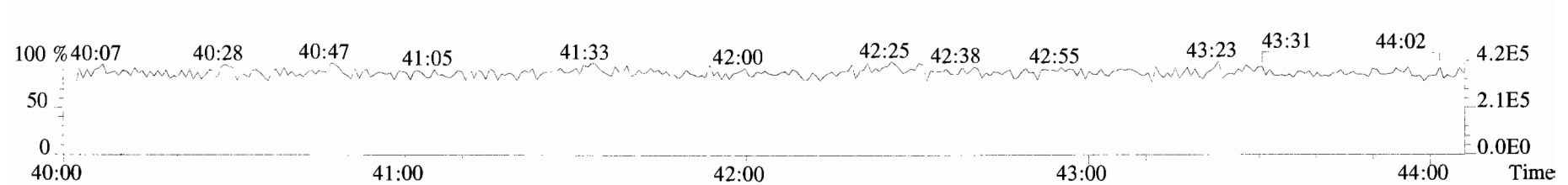
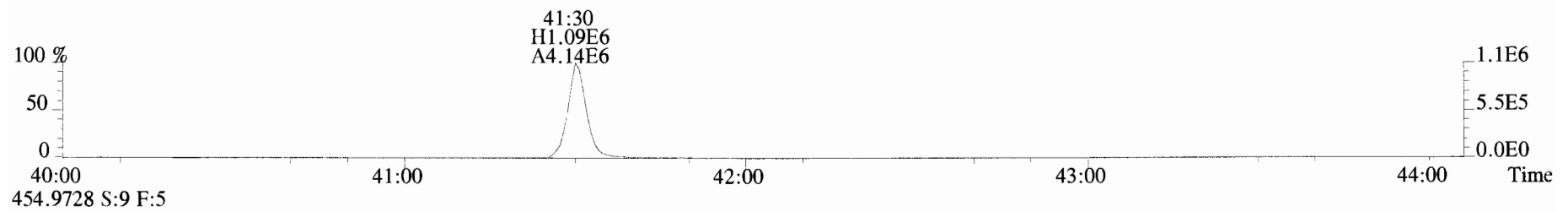
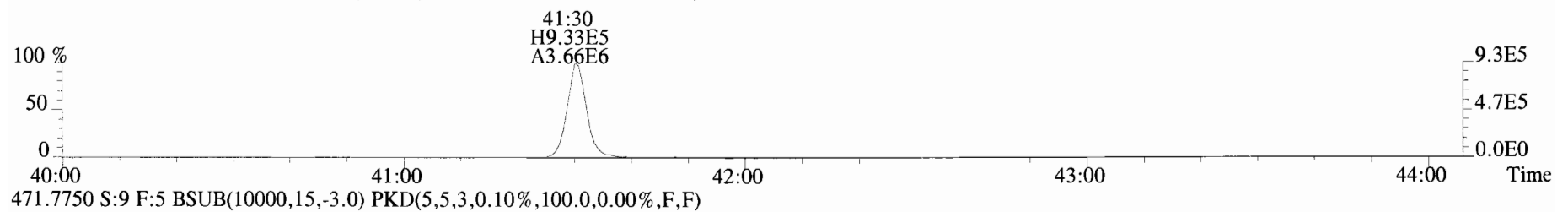
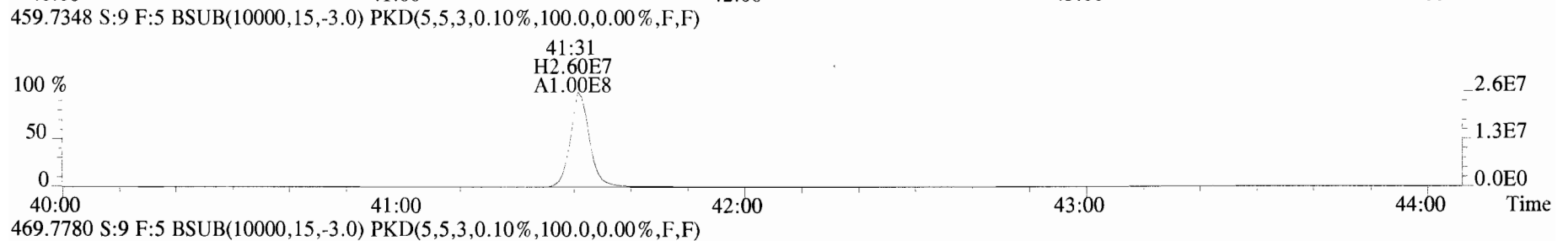
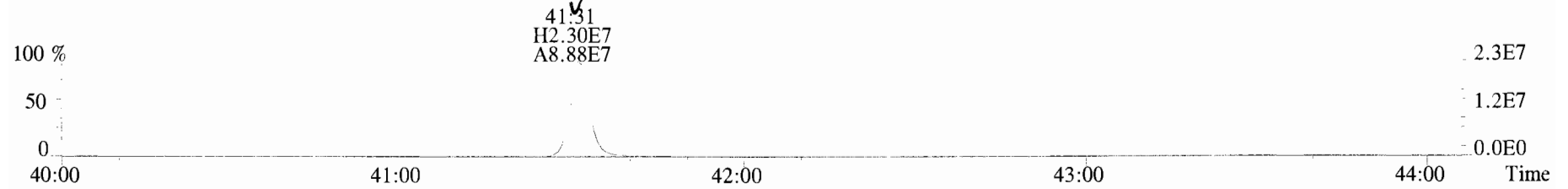
454.9728 S:9 F:4



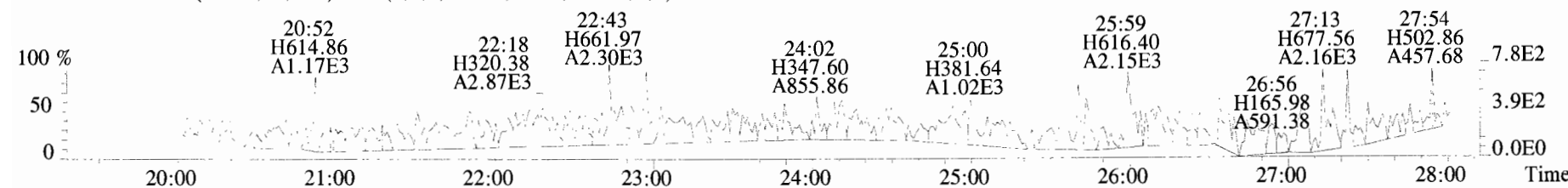
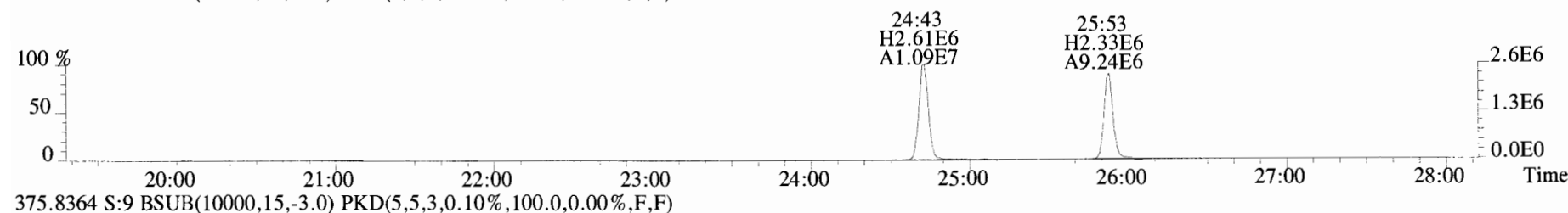
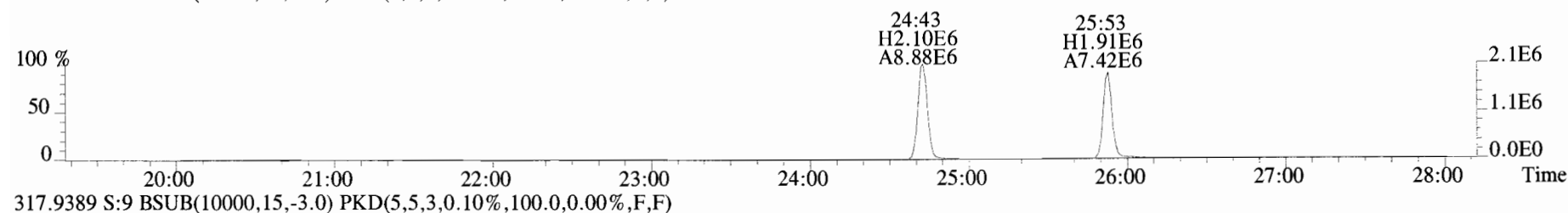
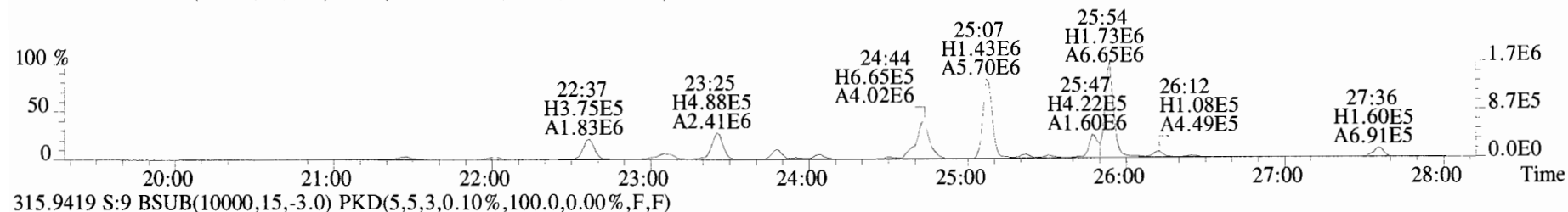
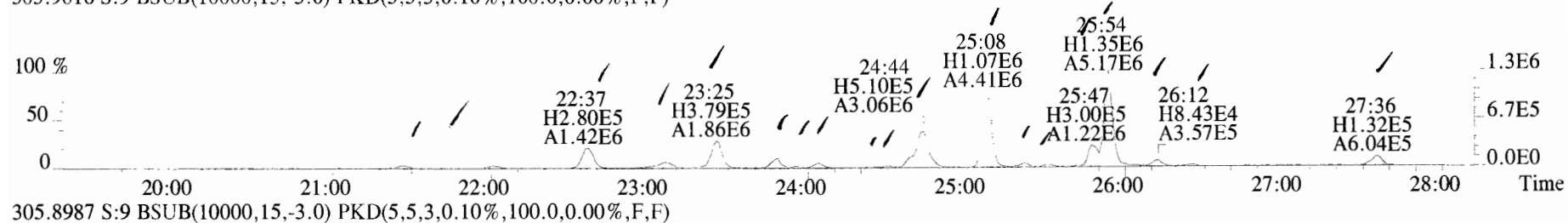
File:191011D2 #1-355 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
423.7767 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



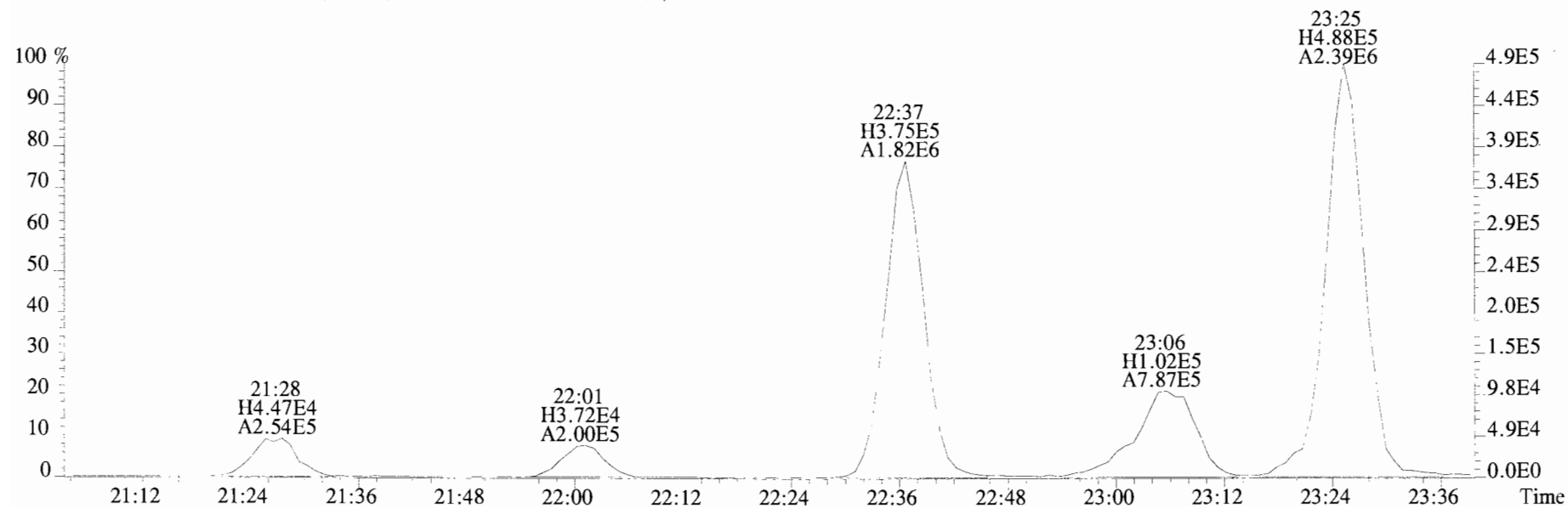
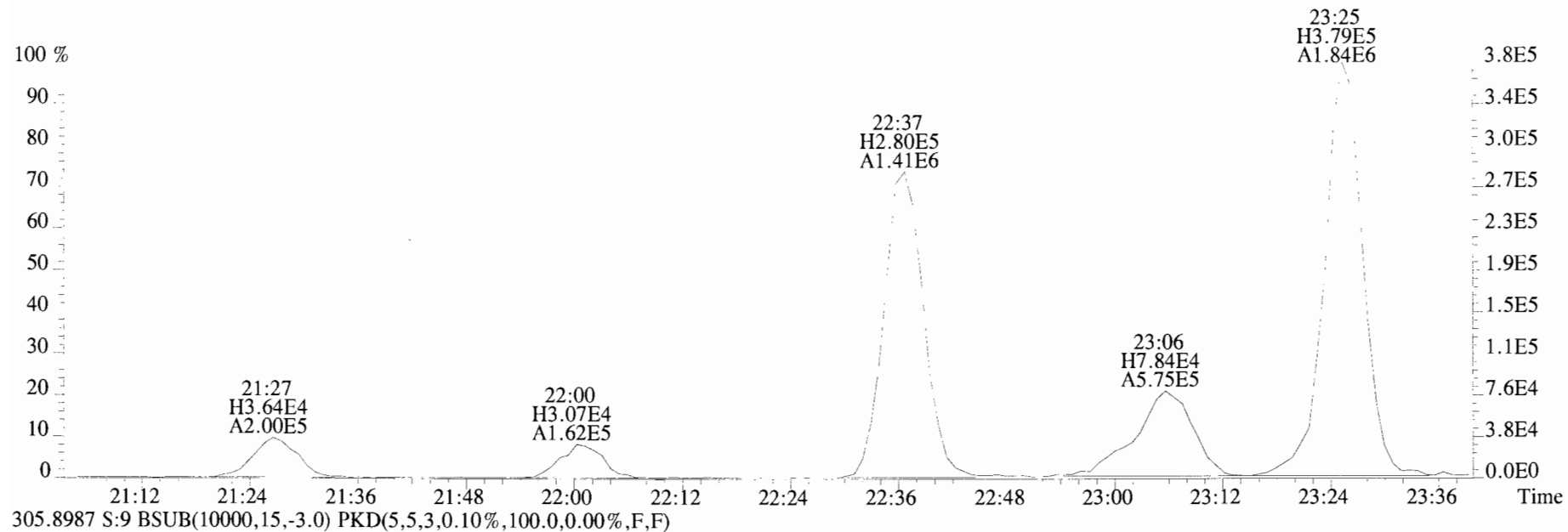
File:191011D2 #1-432 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text: Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
457.7377 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



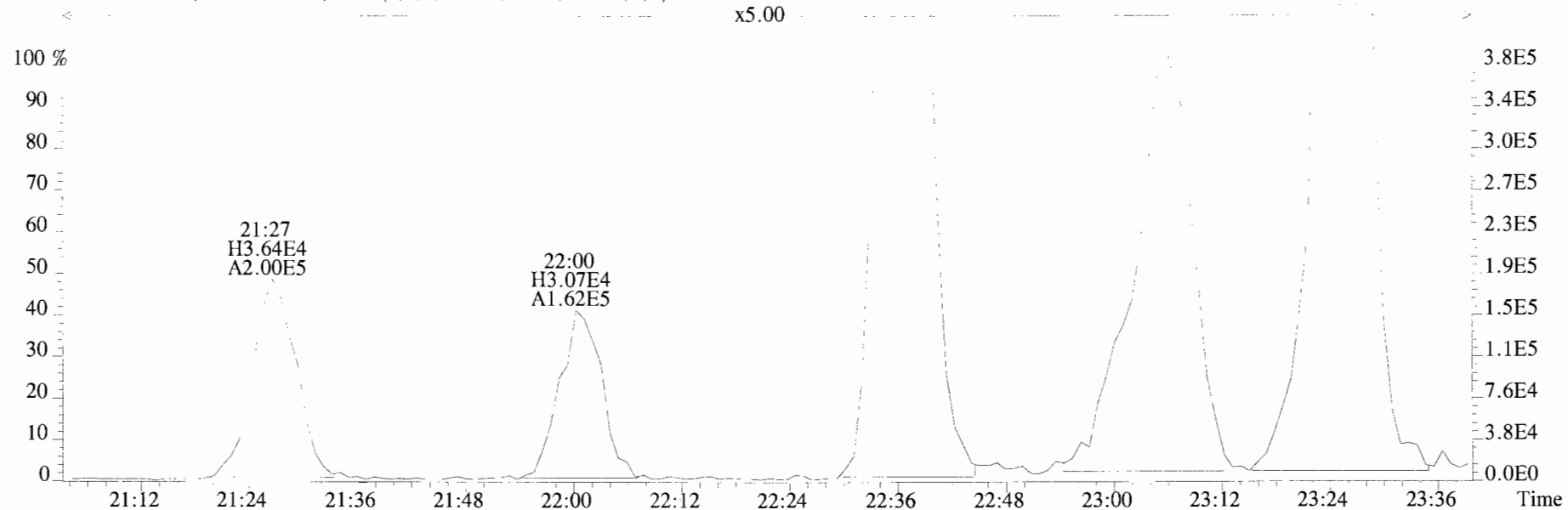
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



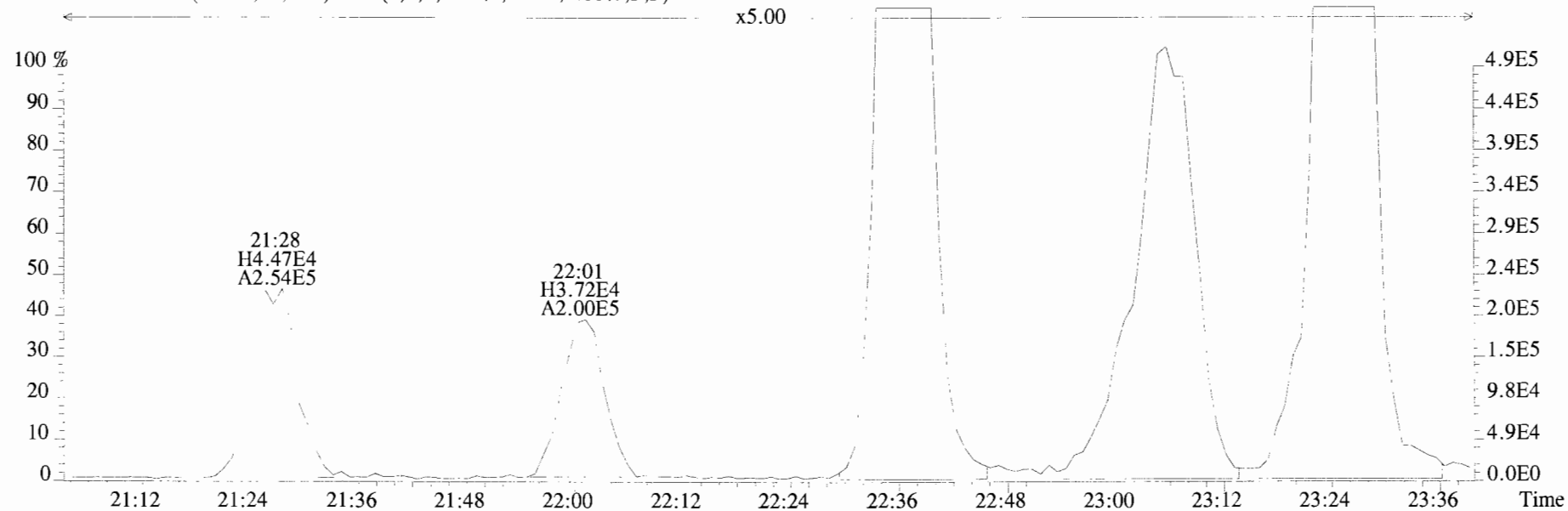
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



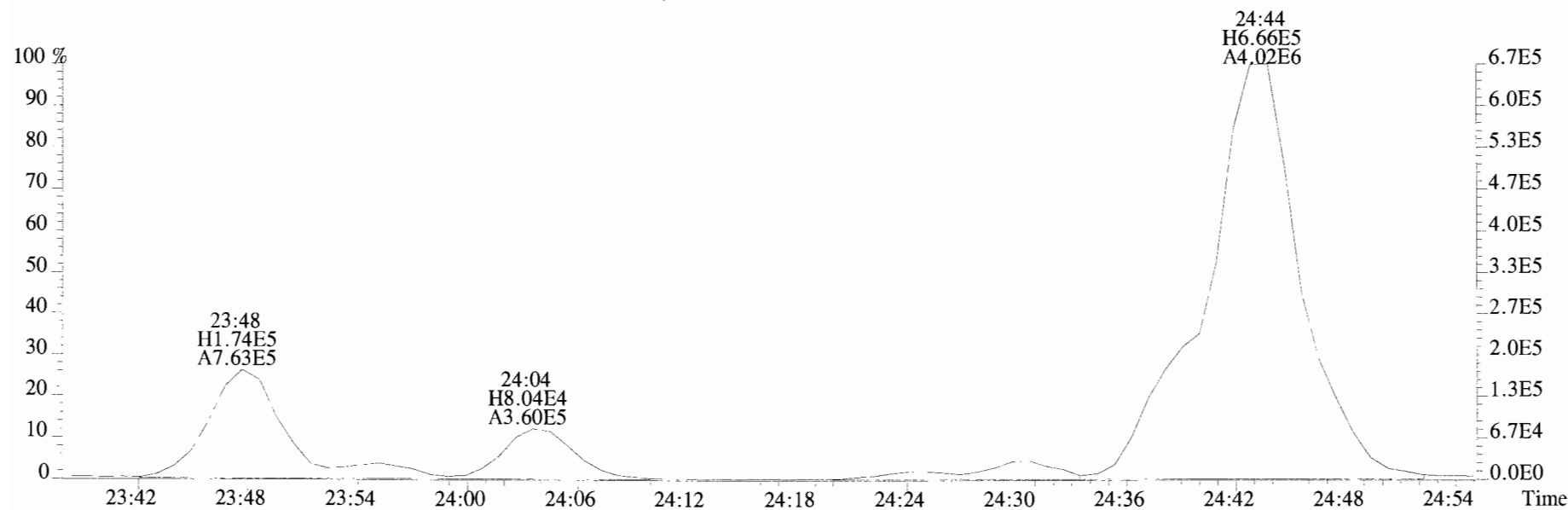
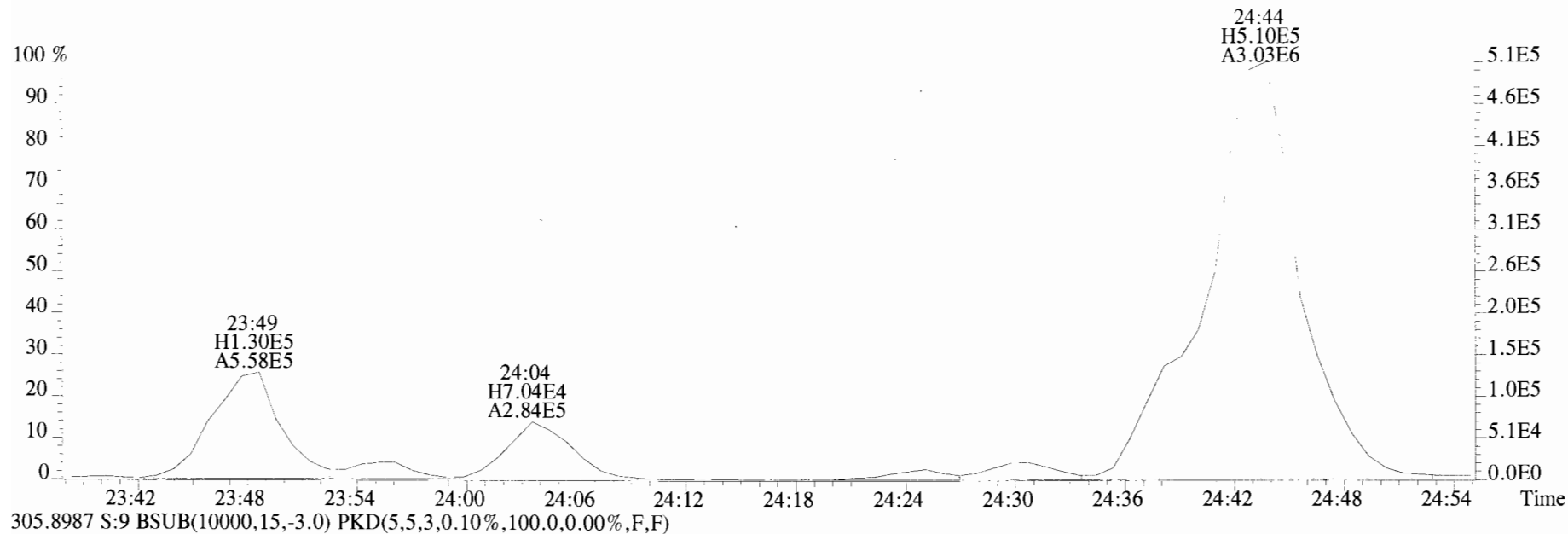
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



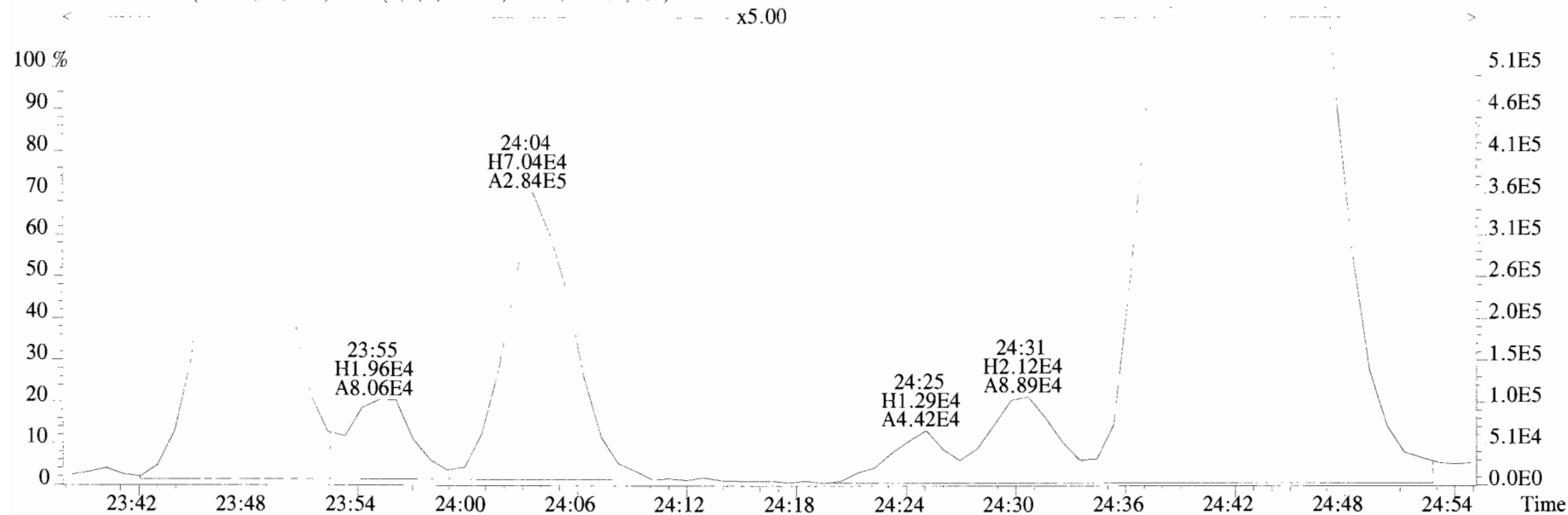
305.8987 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



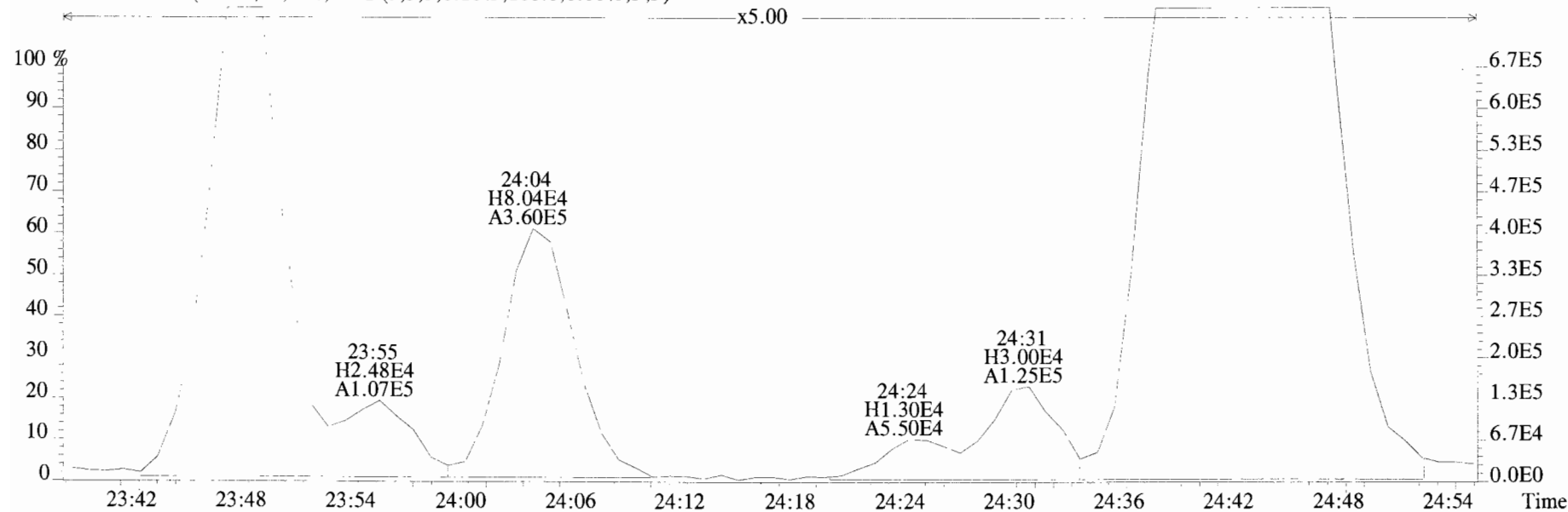
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



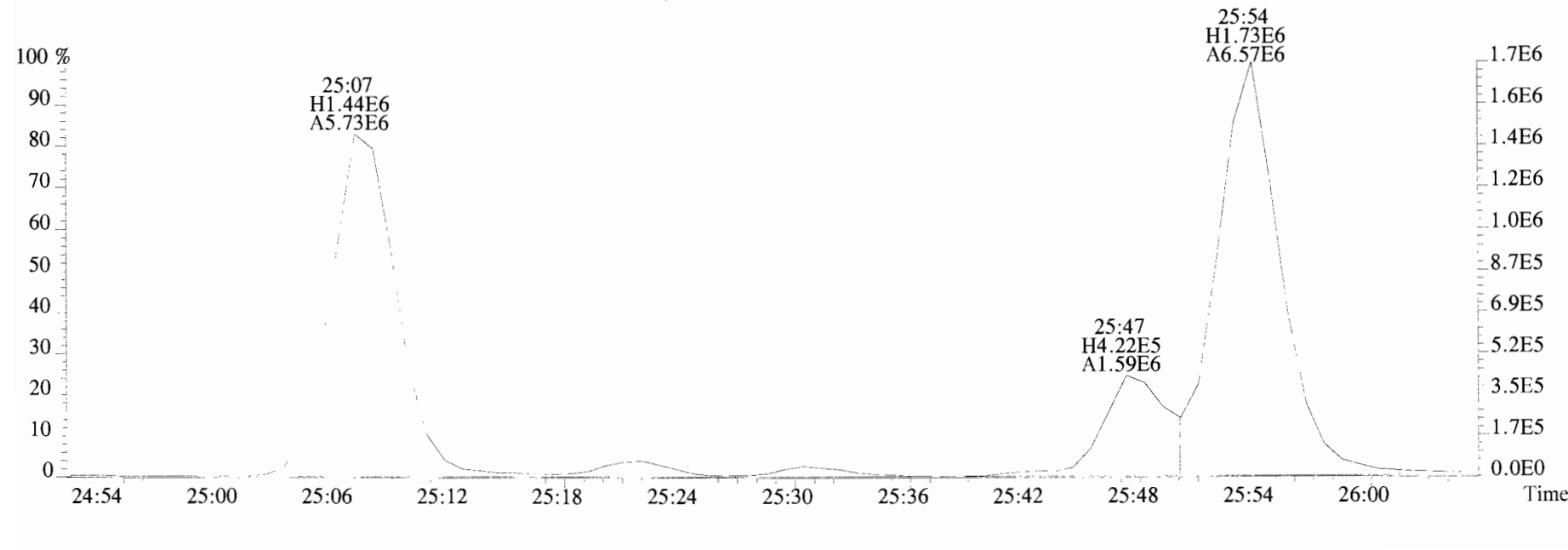
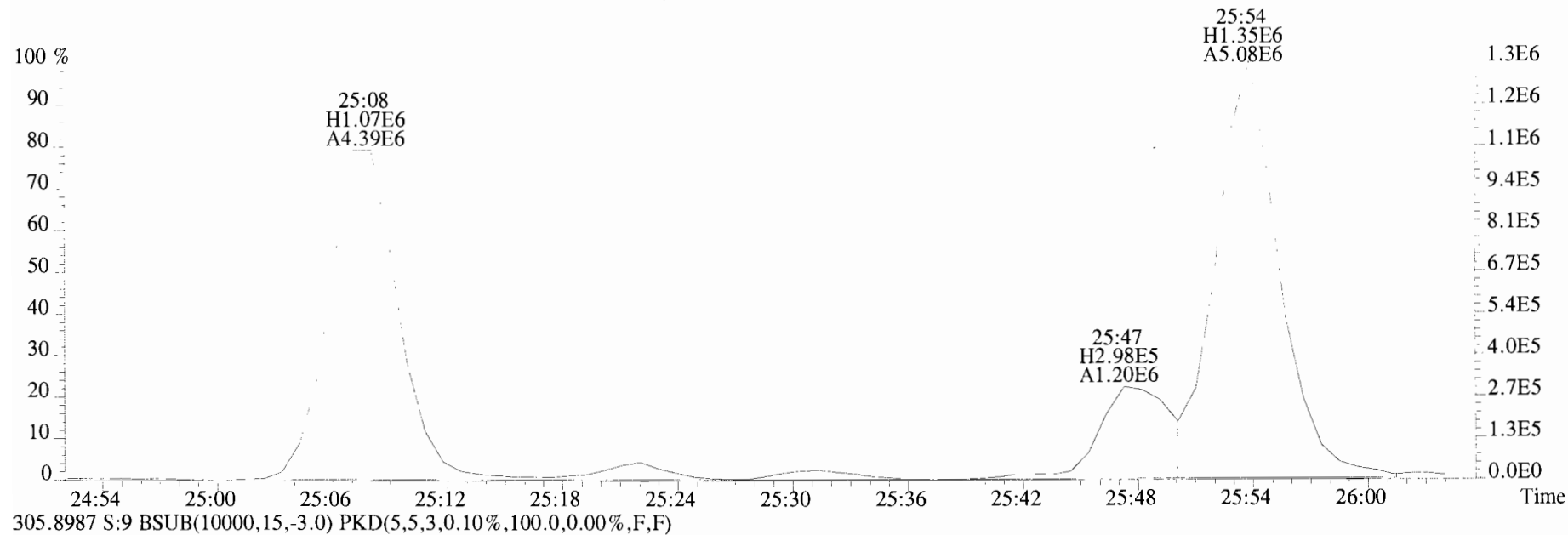
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



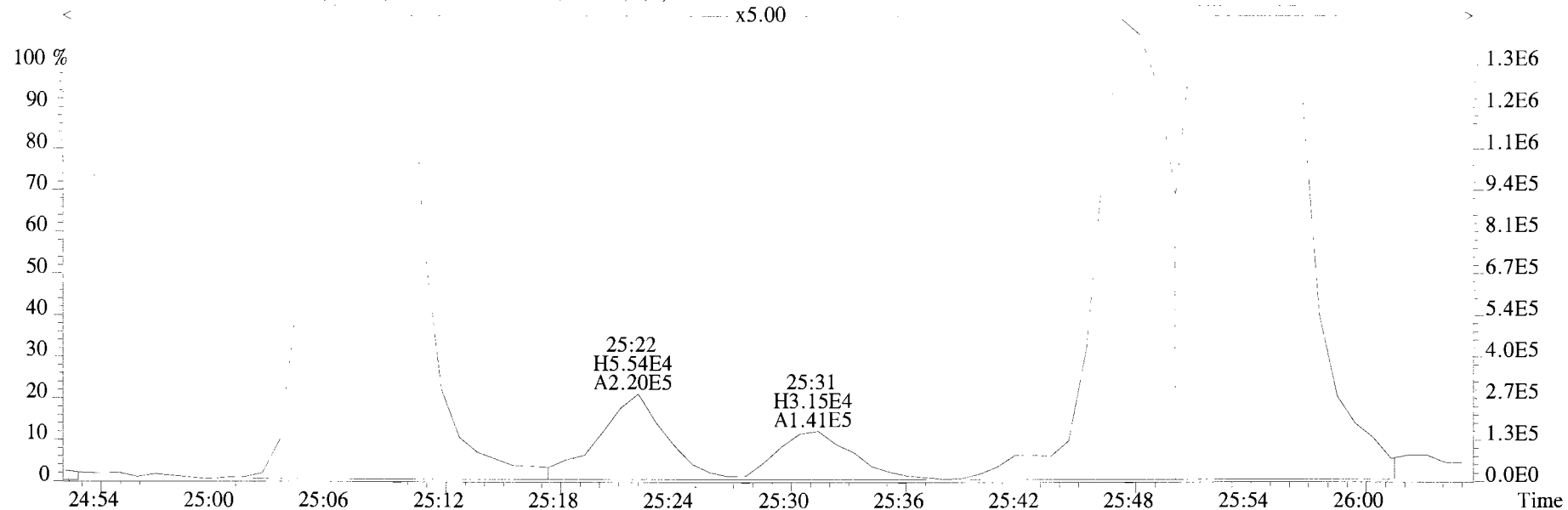
305.8987 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



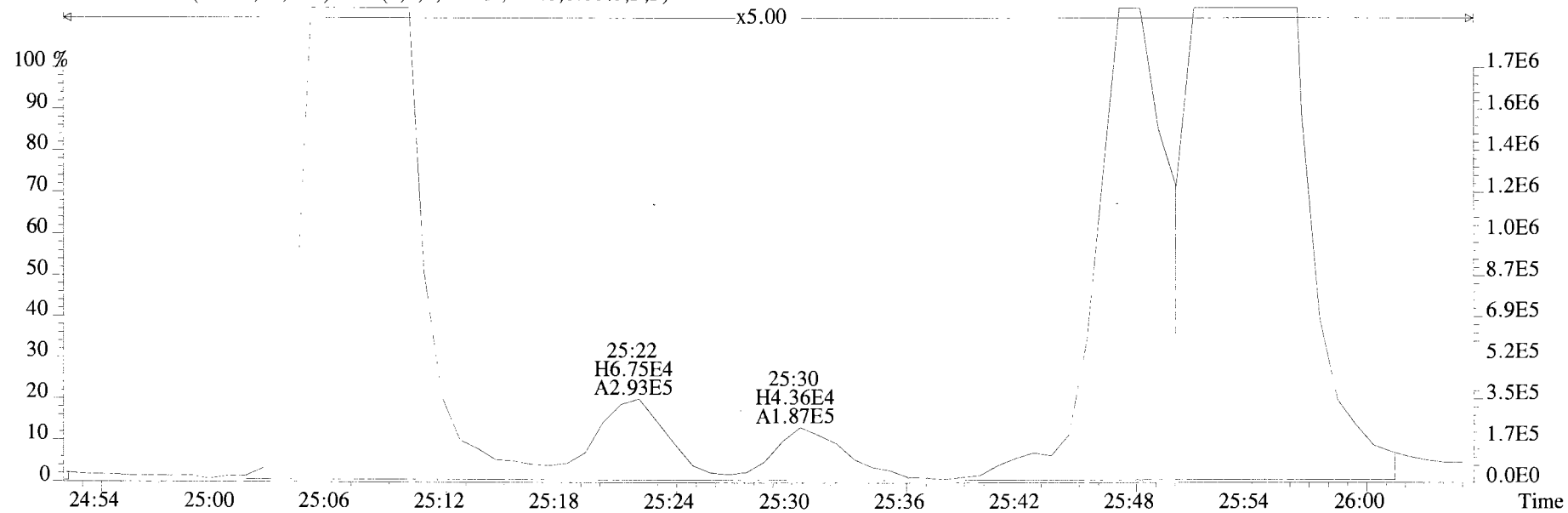
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



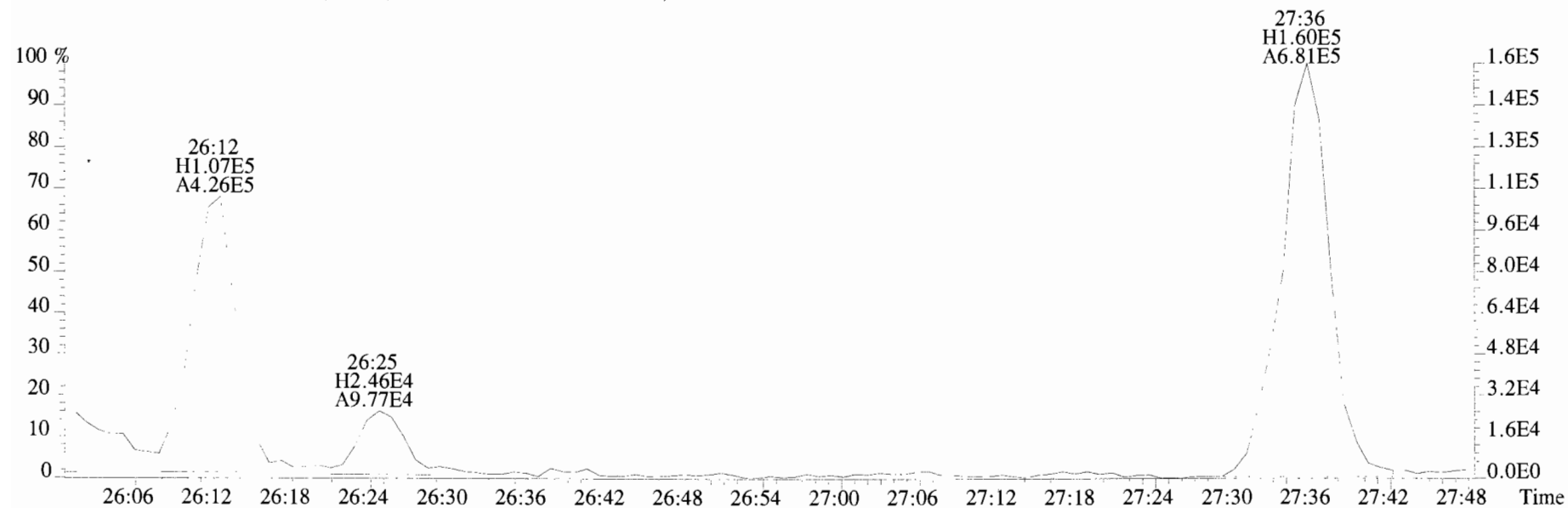
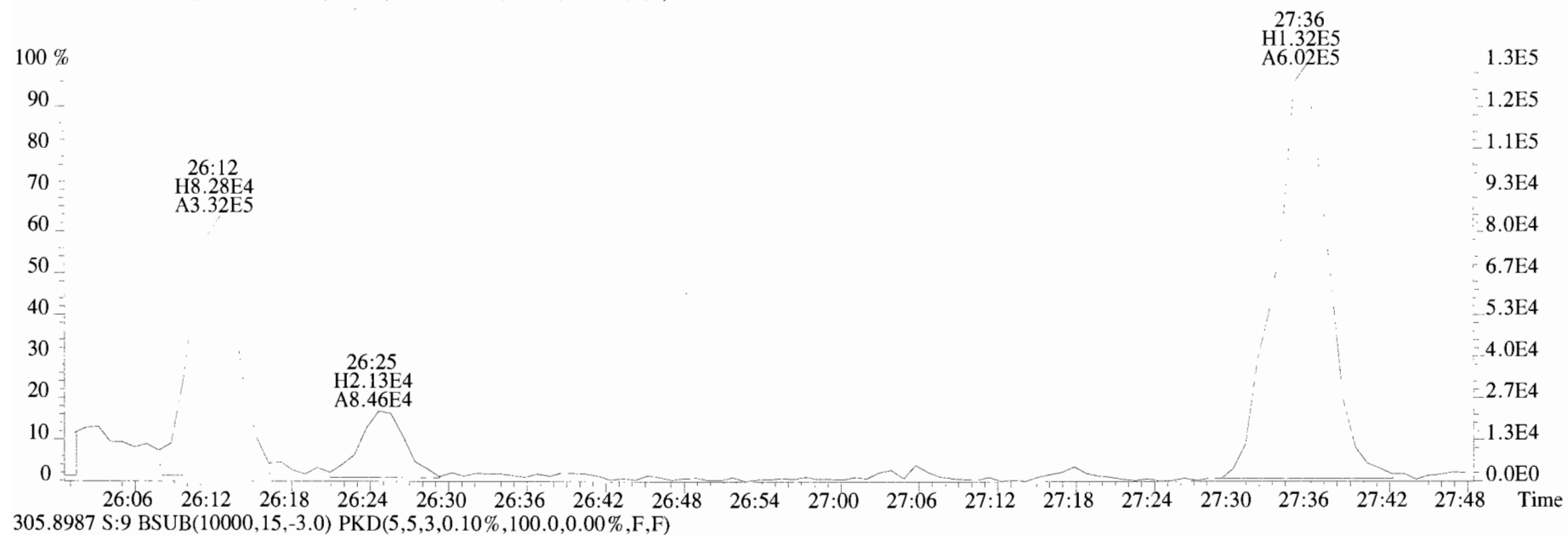
File: 191011D2 #1-514 Acq: 12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text: Vista Analytical Laboratory VG7 Text: 1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp: OCDD_DB5
303.9016 S: 9 BSUB(10000, 15, -3.0) PKD(5, 5, 3, 0.10%, 100.0, 0.00%, F, F)



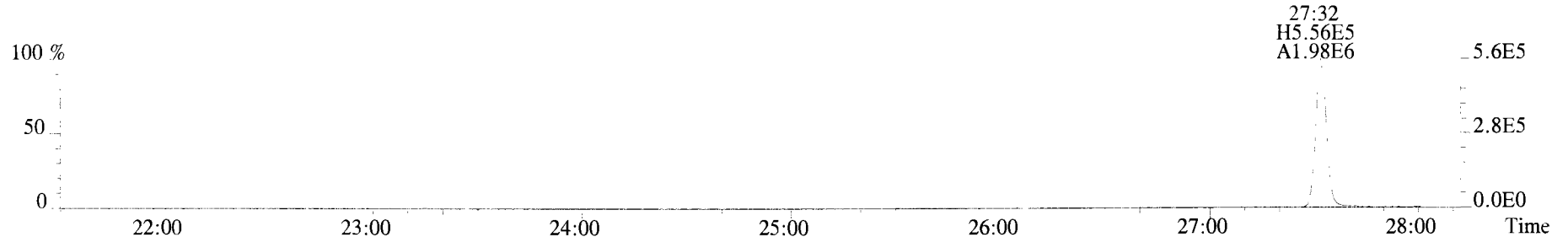
305.8987 S: 9 BSUB(10000, 15, -3.0) PKD(5, 5, 3, 0.10%, 100.0, 0.00%, F, F)



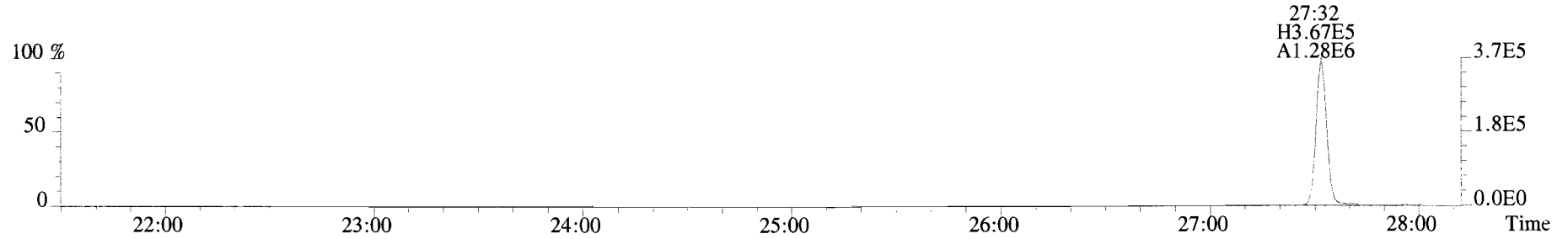
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



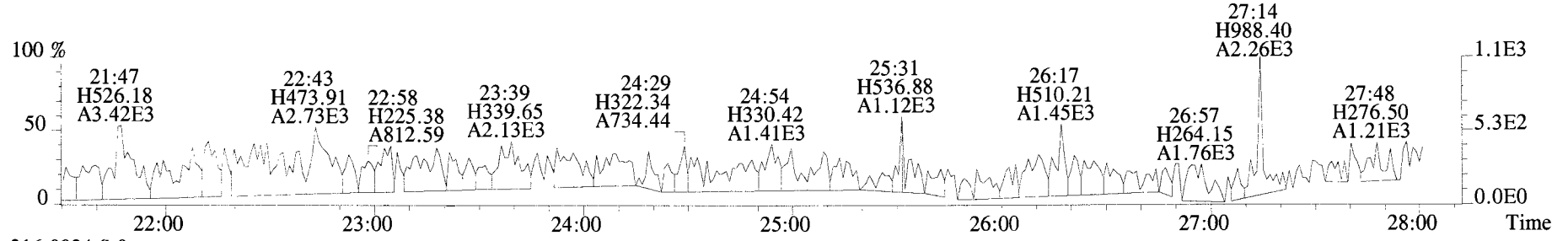
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



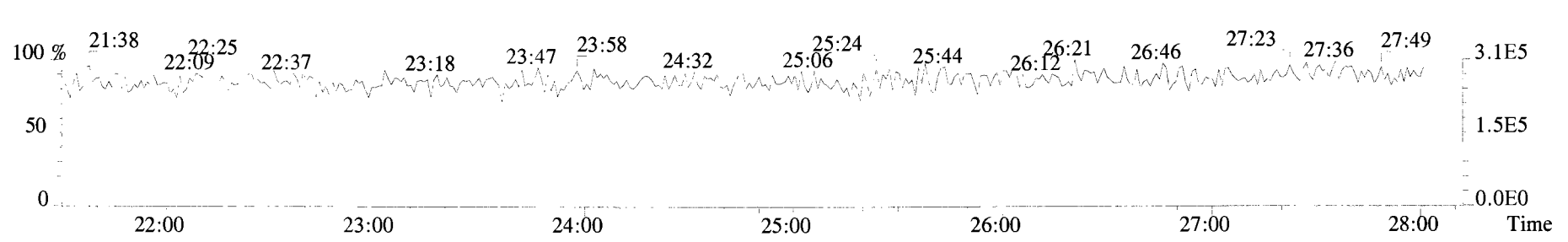
341.8568 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



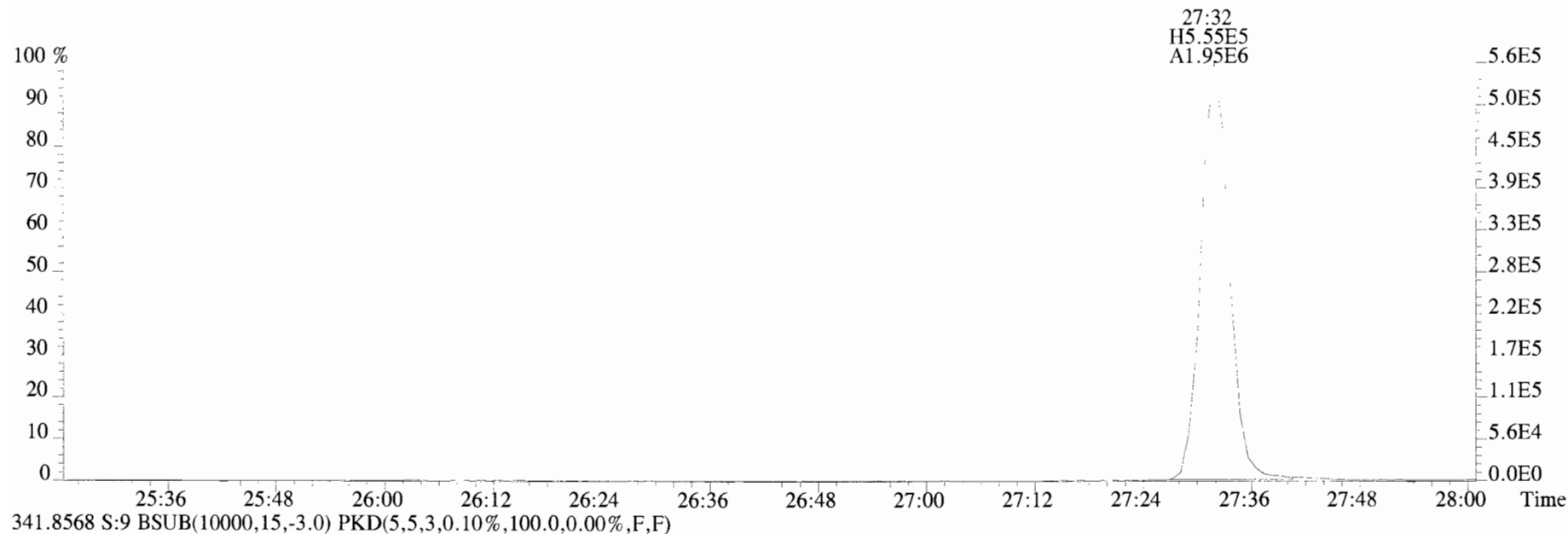
409.7974 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



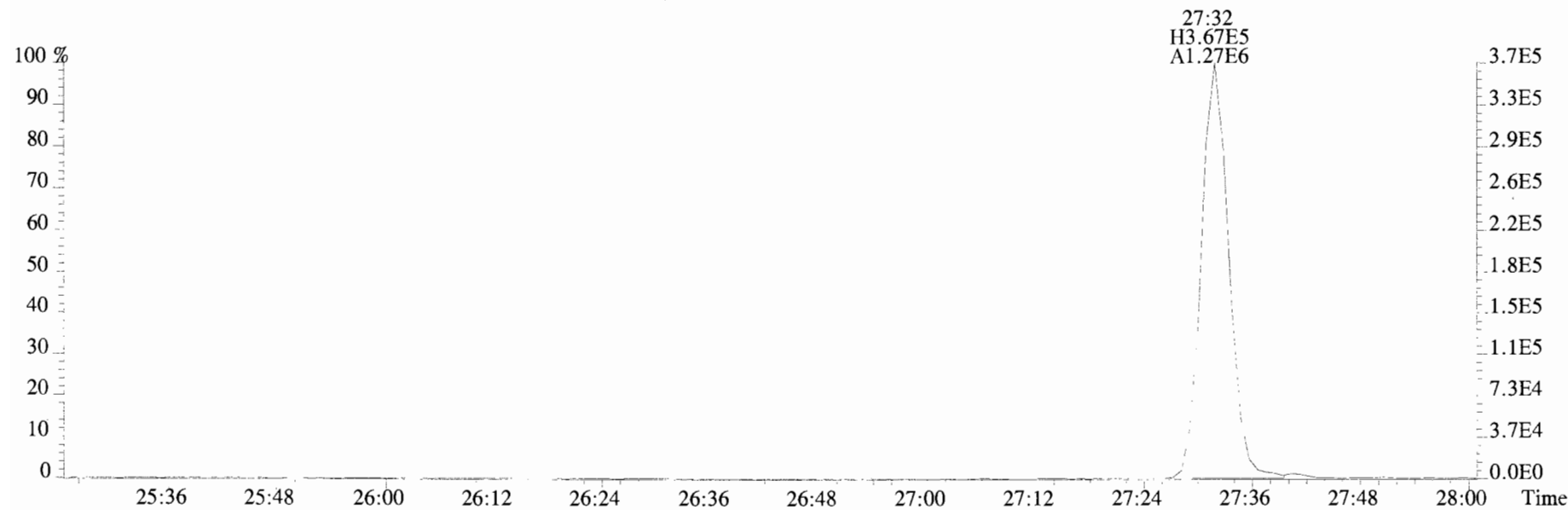
316.9824 S:9



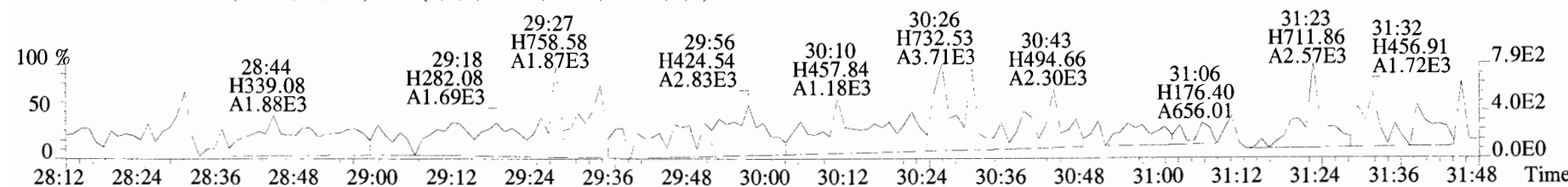
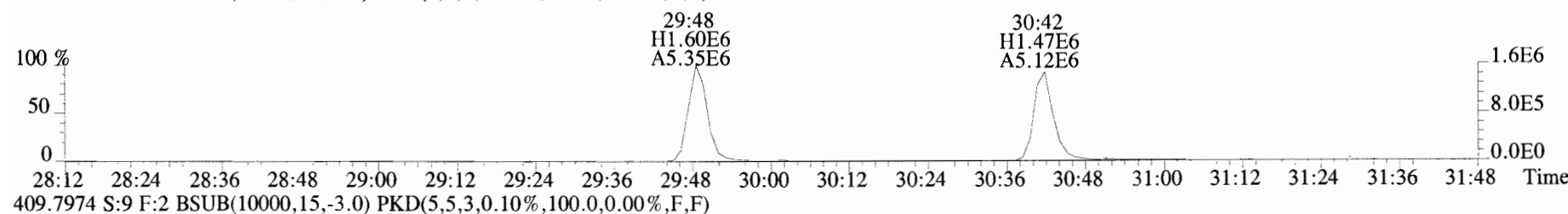
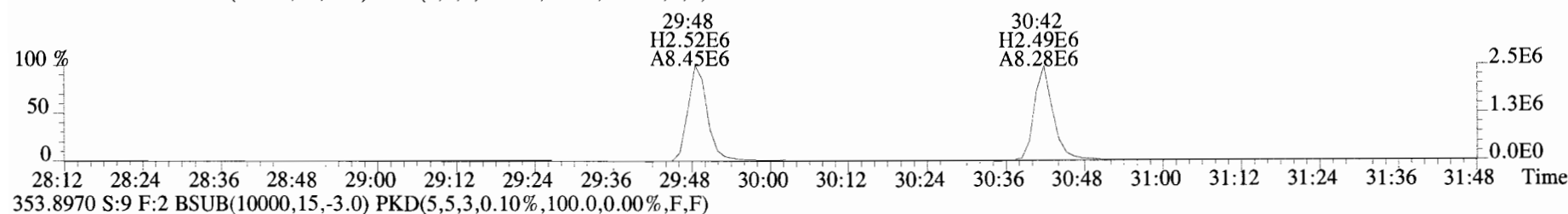
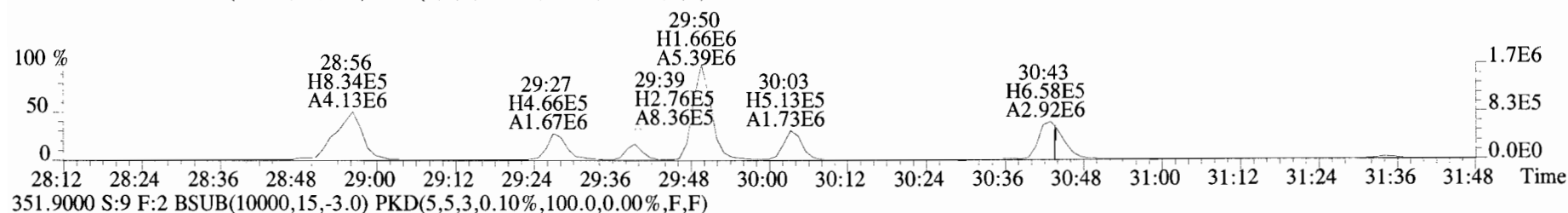
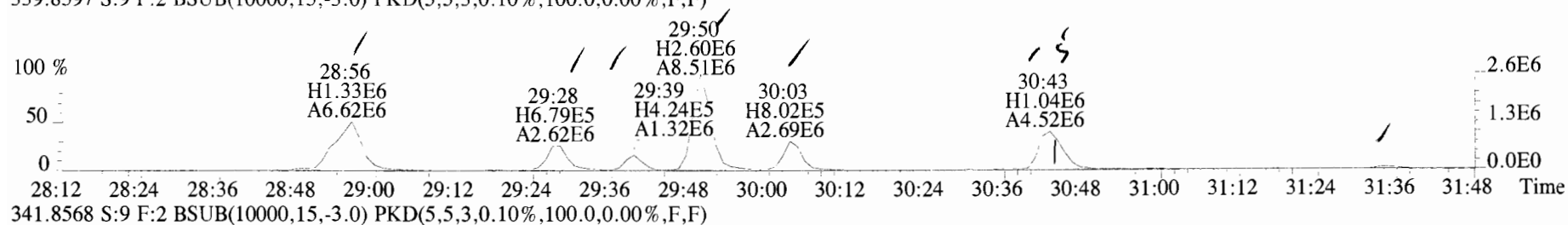
File:191011D2 #1-514 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



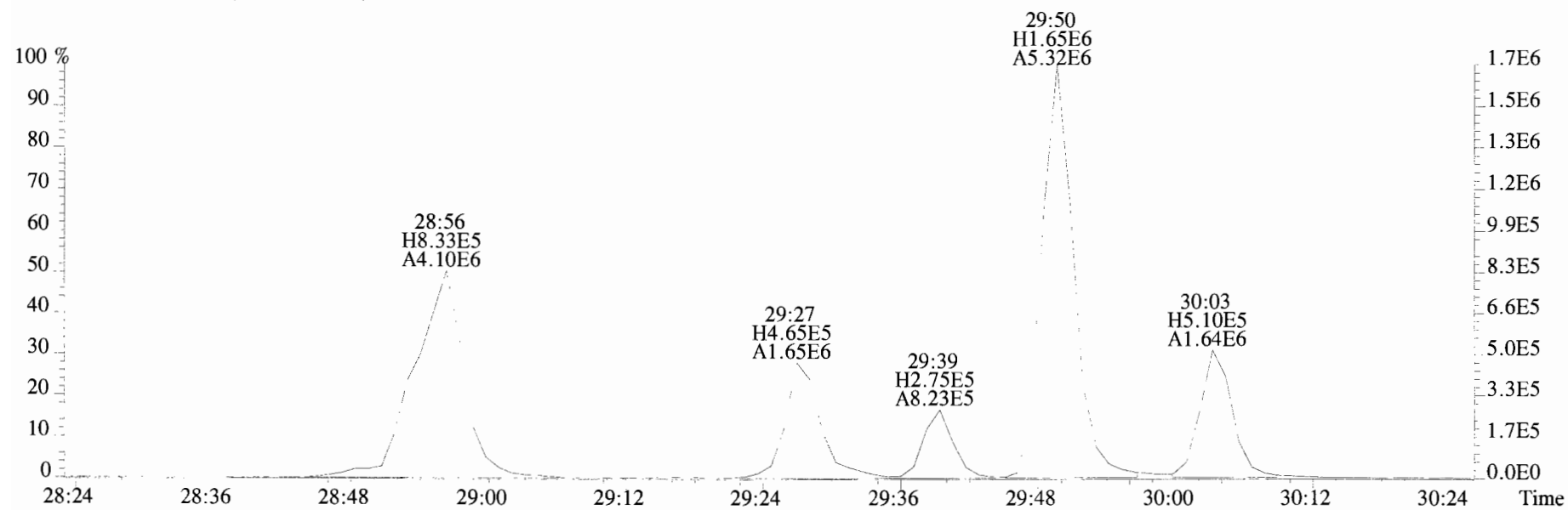
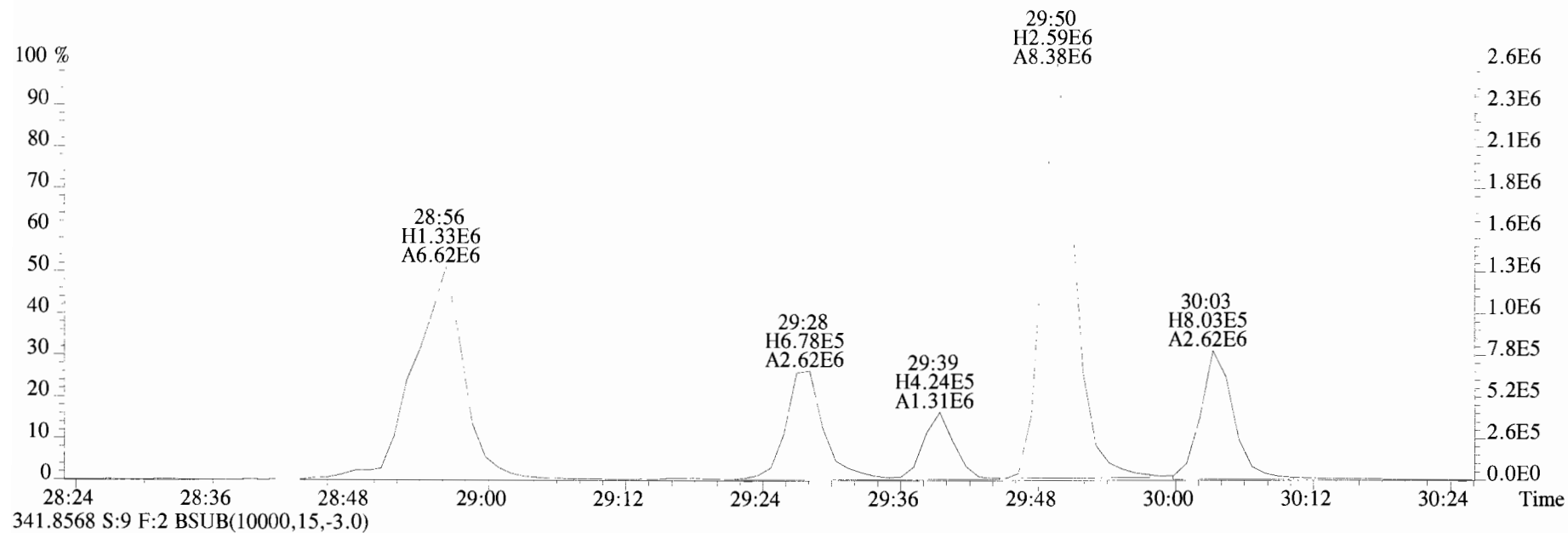
341.8568 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



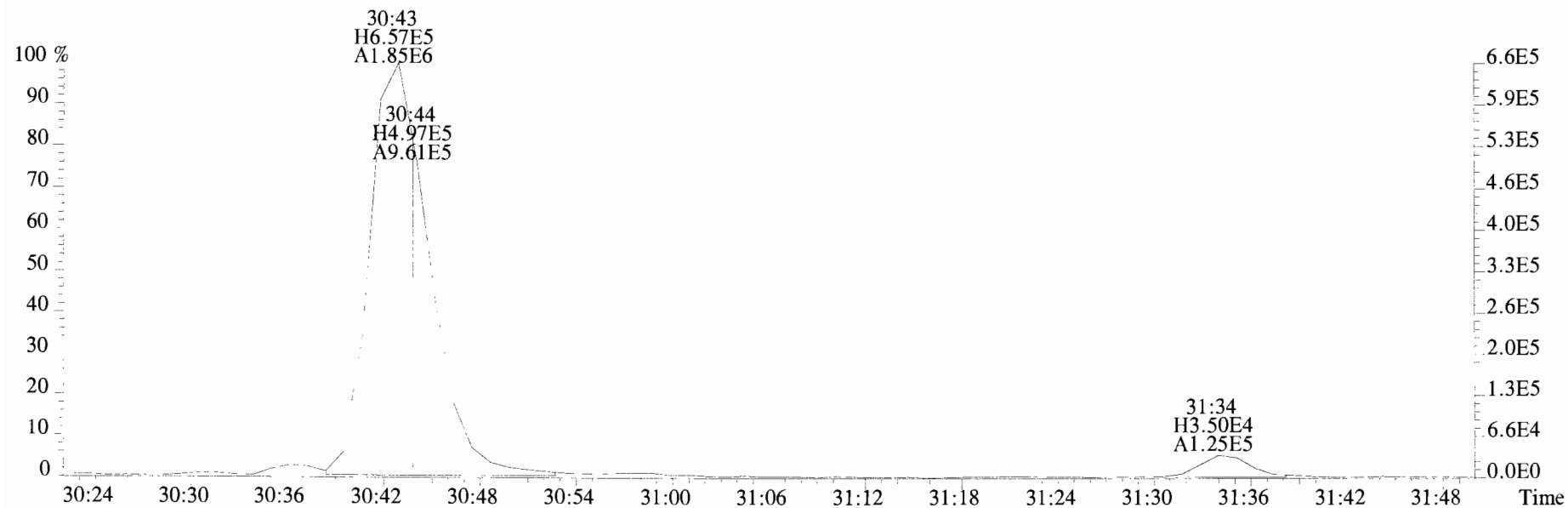
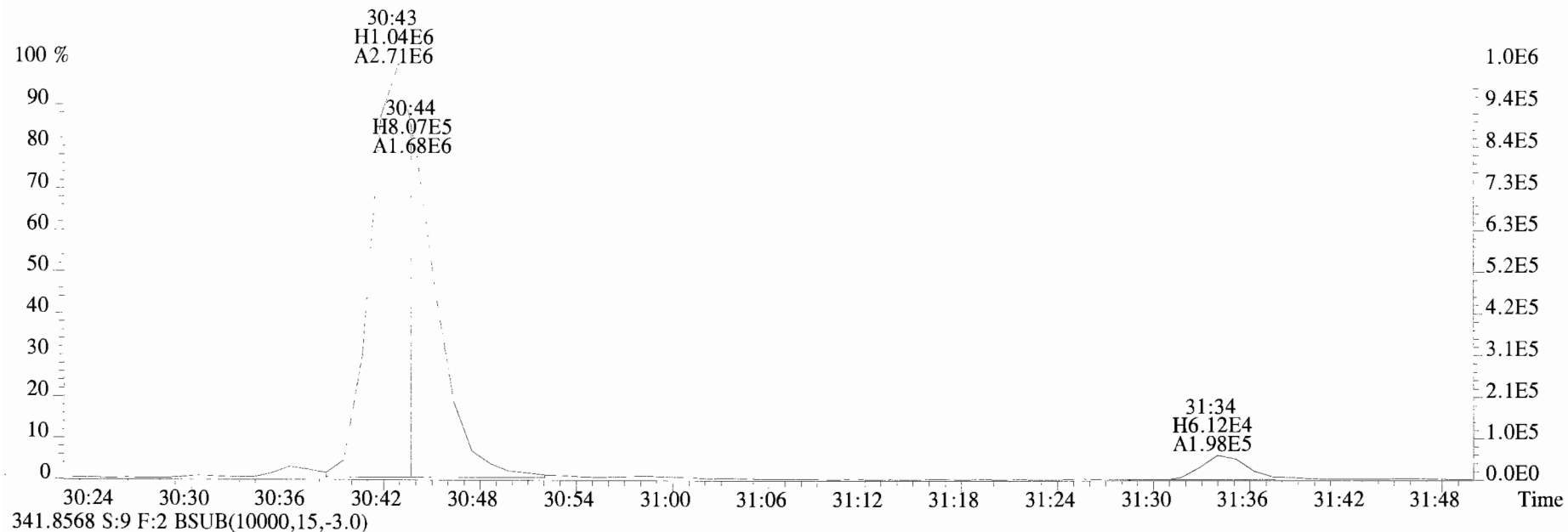
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



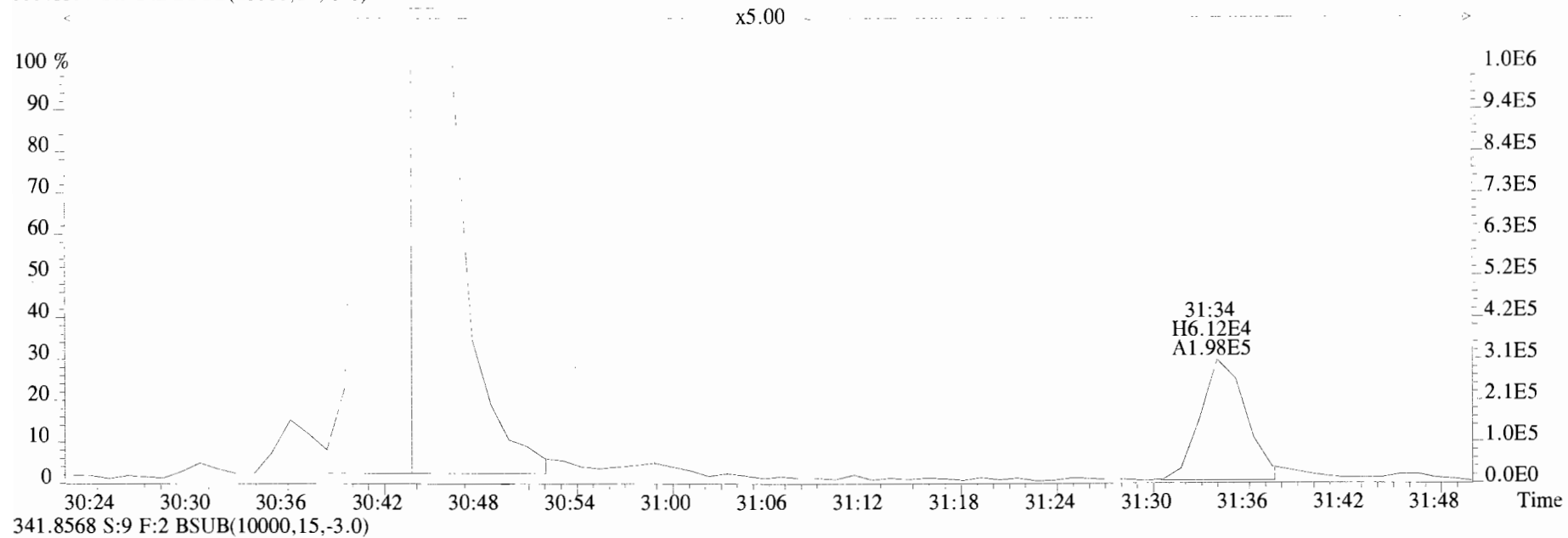
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 F:2 BSUB(10000,15,-3.0)



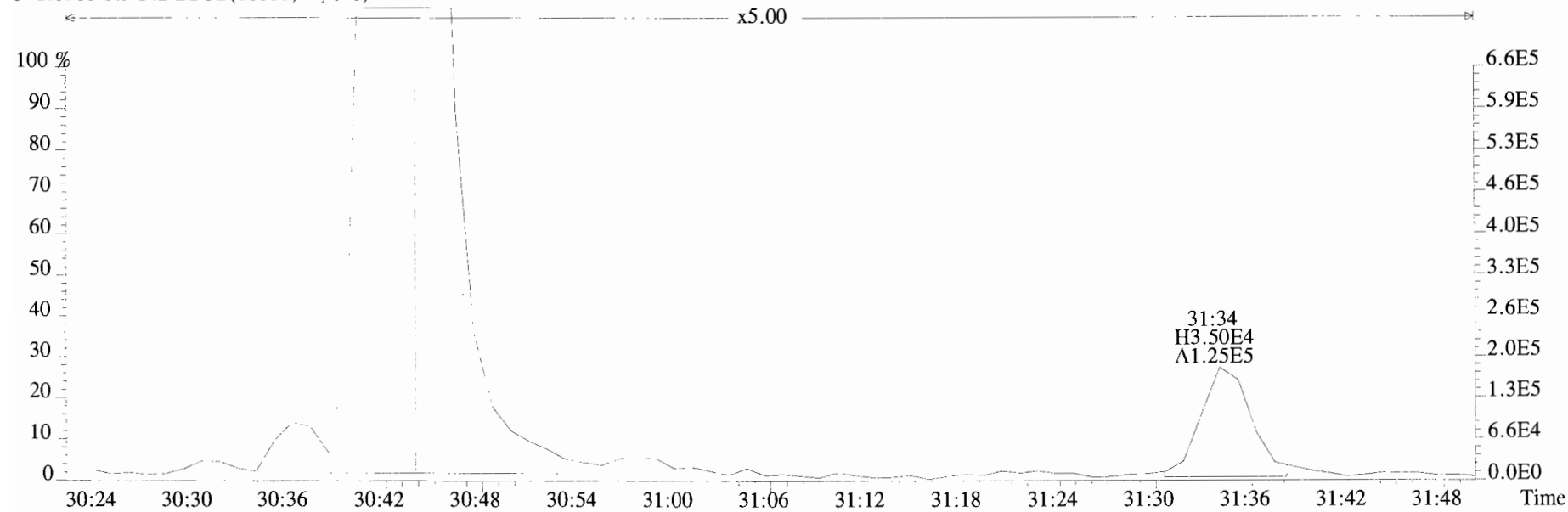
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 F:2 BSUB(10000,15,-3.0)



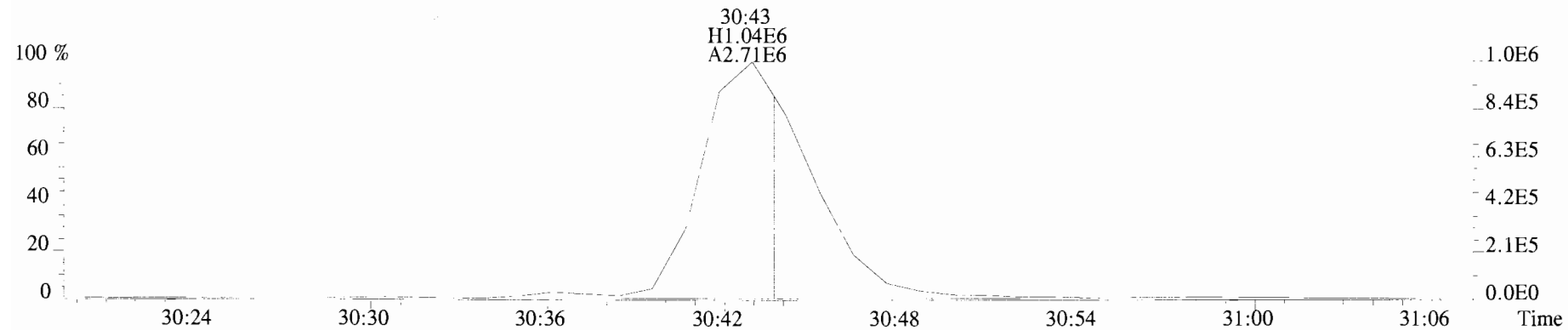
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 F:2 BSUB(10000,15,-3.0)



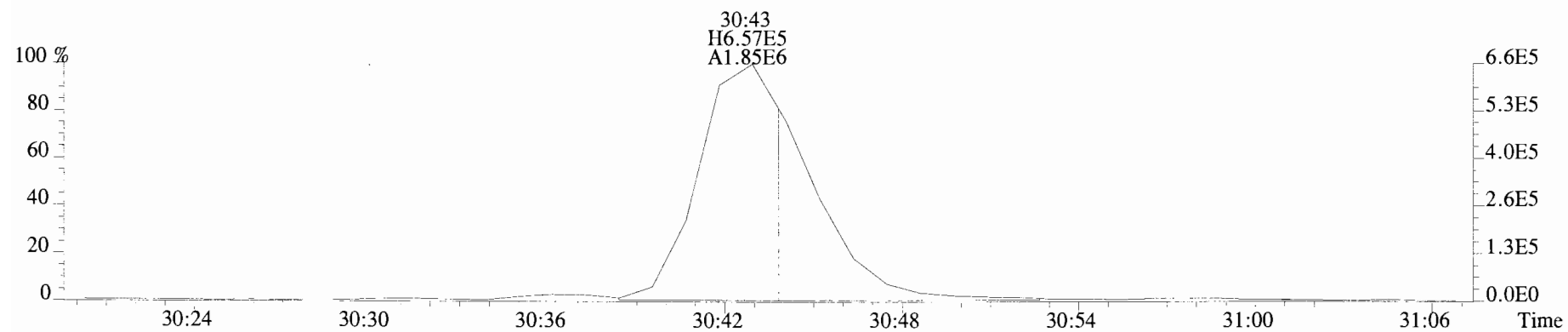
341.8568 S:9 F:2 BSUB(10000,15,-3.0)



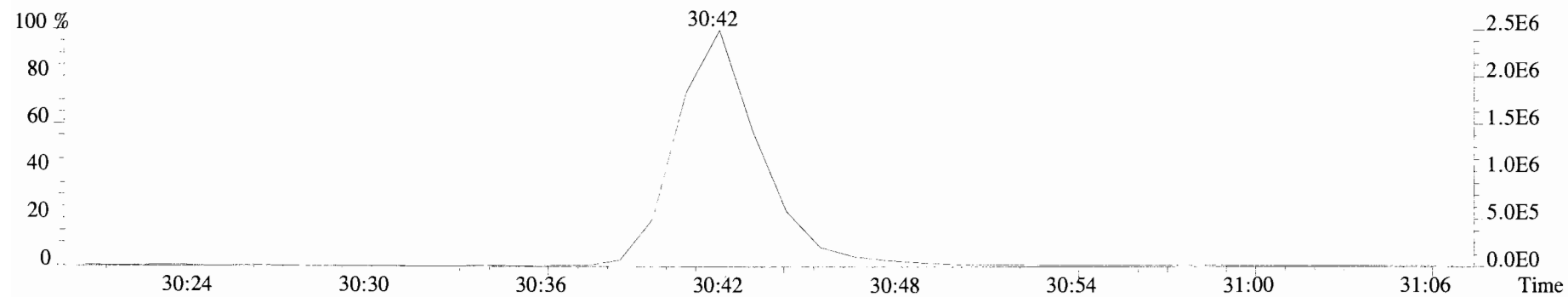
File:191011D2 #1-210 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
339.8597 S:9 F:2 BSUB(10000,15,-3.0)



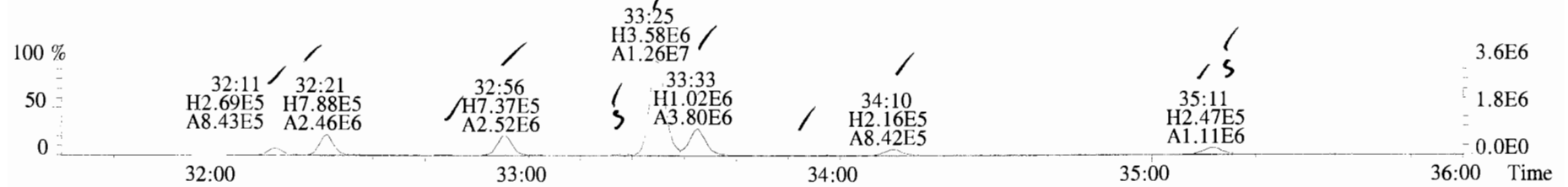
341.8568 S:9 F:2 BSUB(10000,15,-3.0)



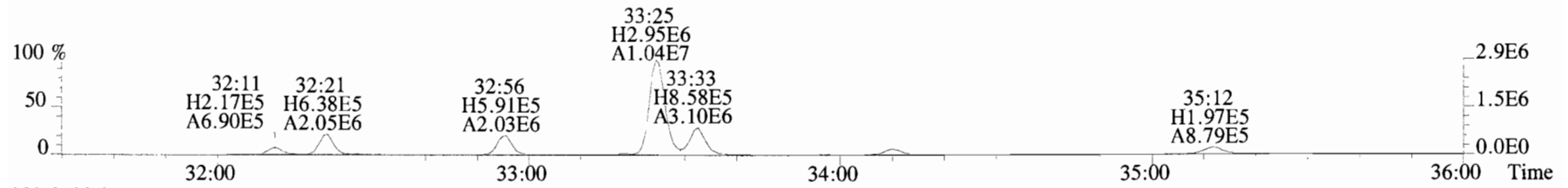
351.9000 S:9 F:2



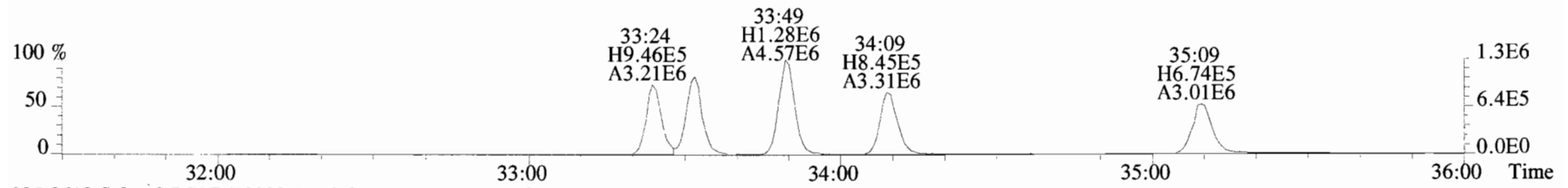
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
 373.8207 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



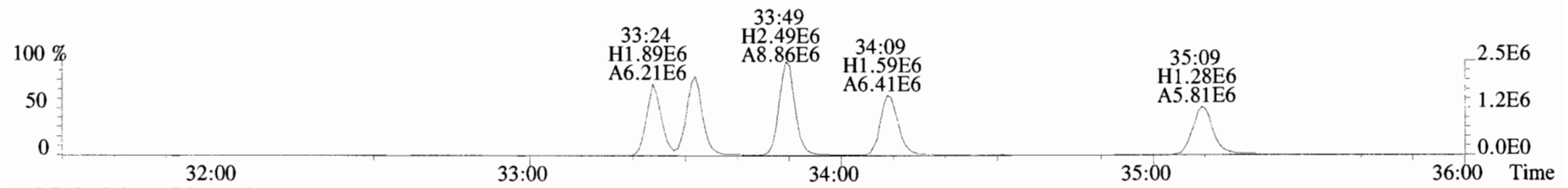
375.8178 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



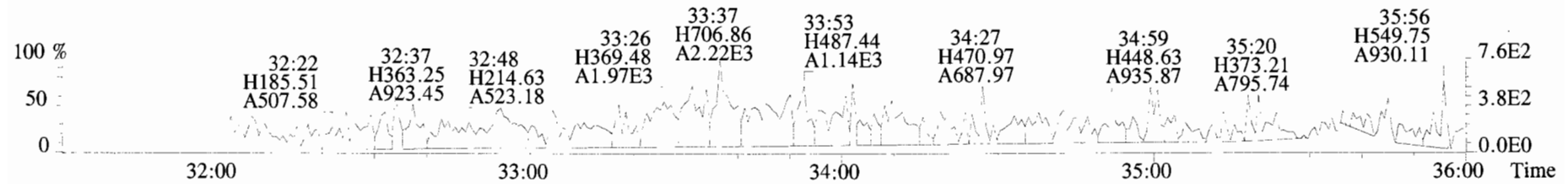
383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



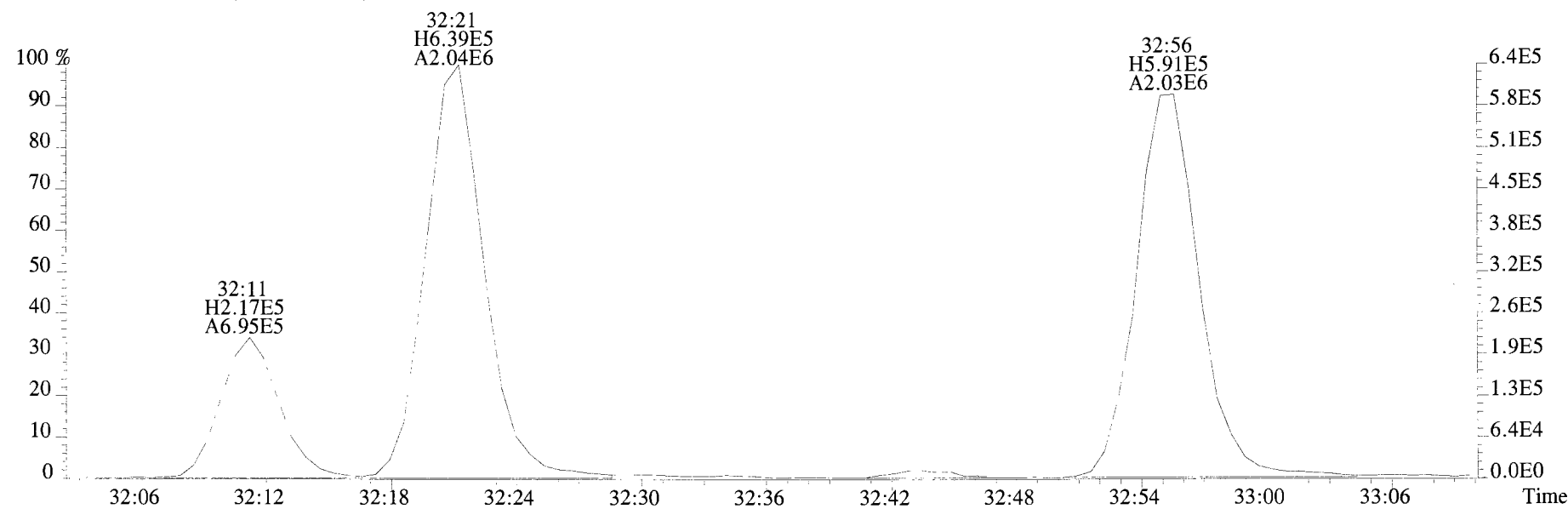
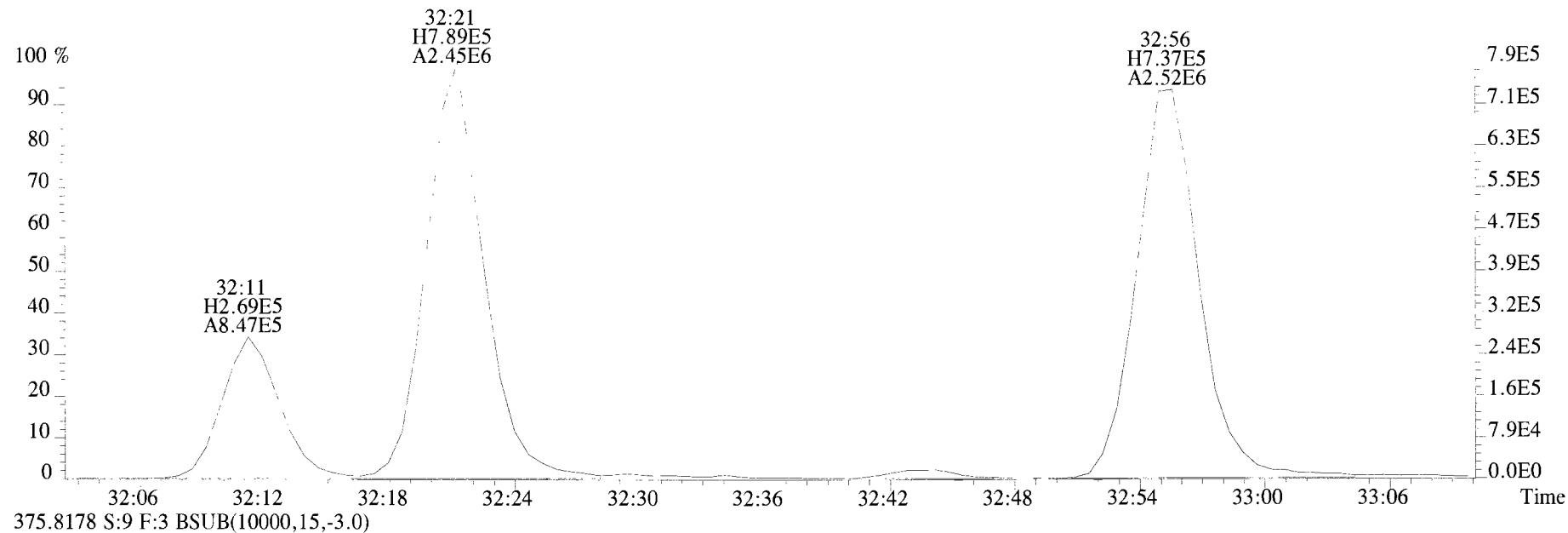
385.8610 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



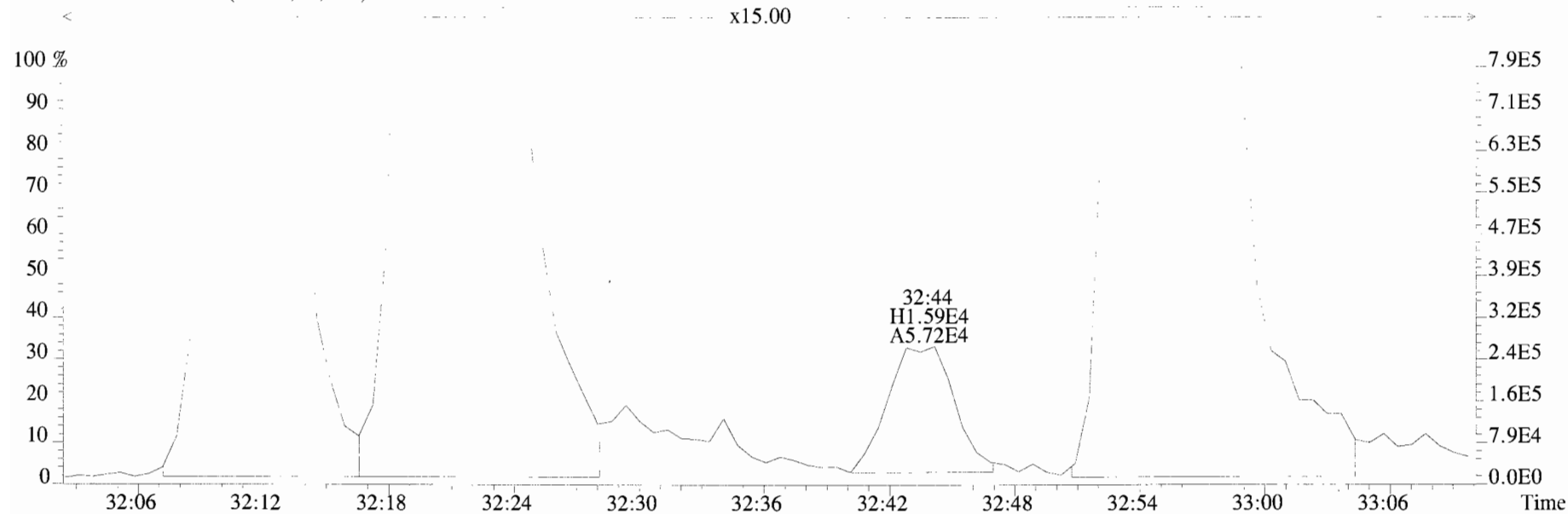
445.7555 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



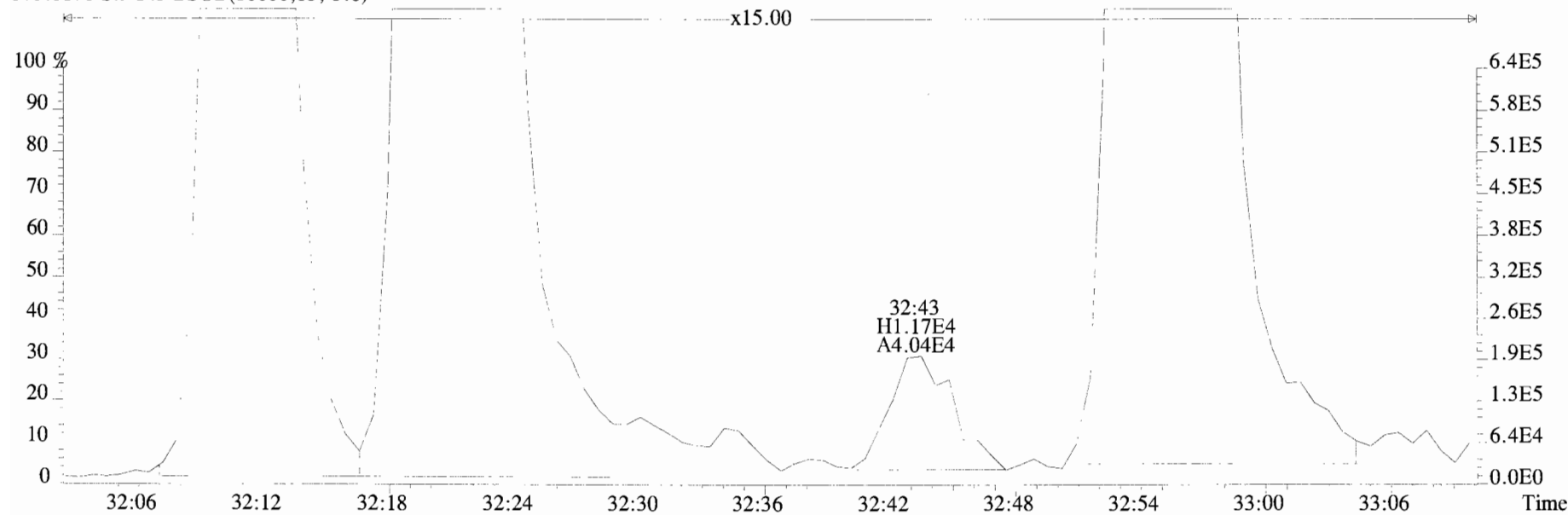
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
373.8207 S:9 F:3 BSUB(I0000,15,-3.0)



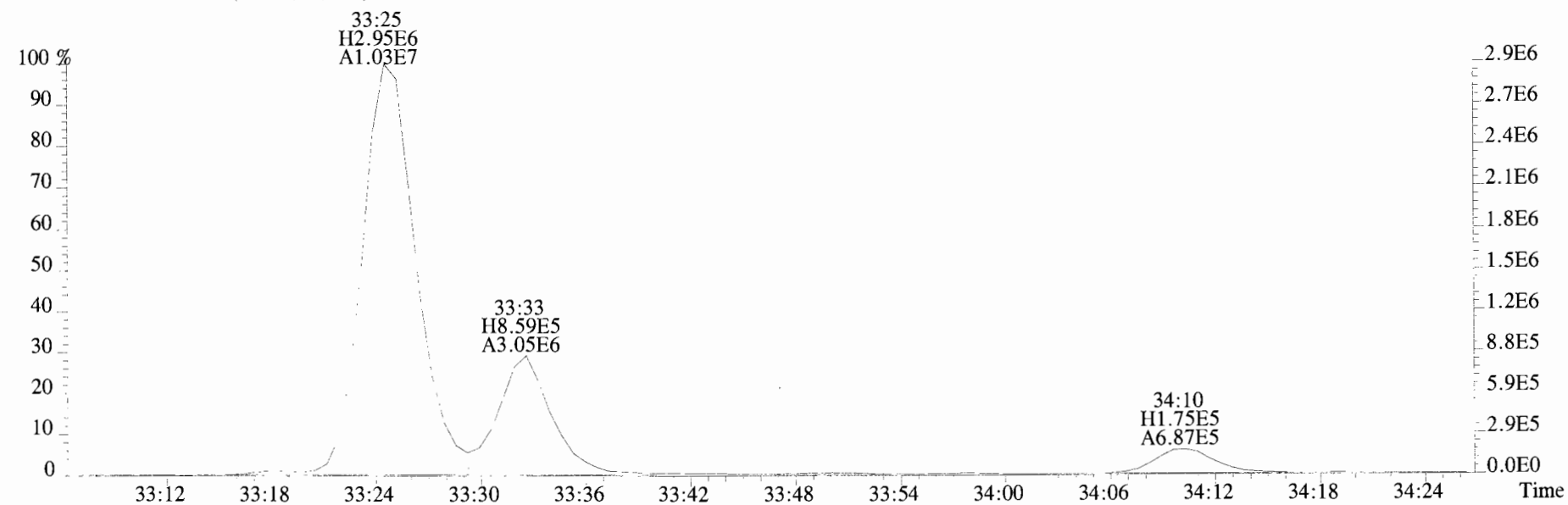
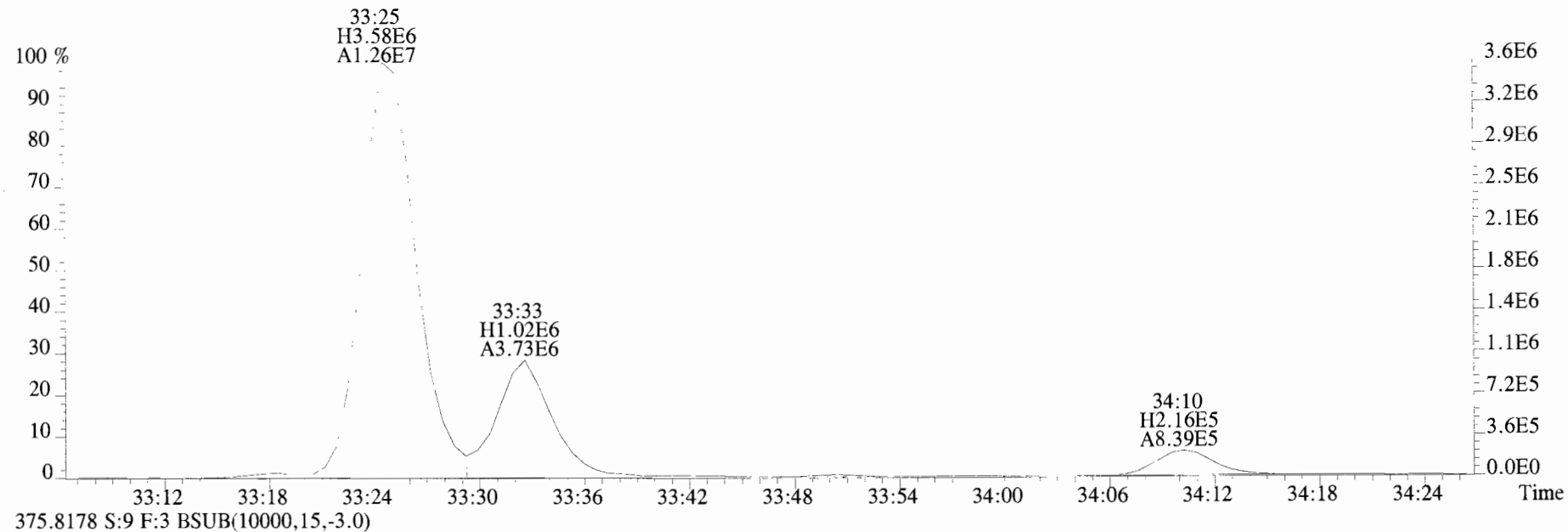
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
373.8207 S:9 F:3 BSUB(10000,15,-3.0)



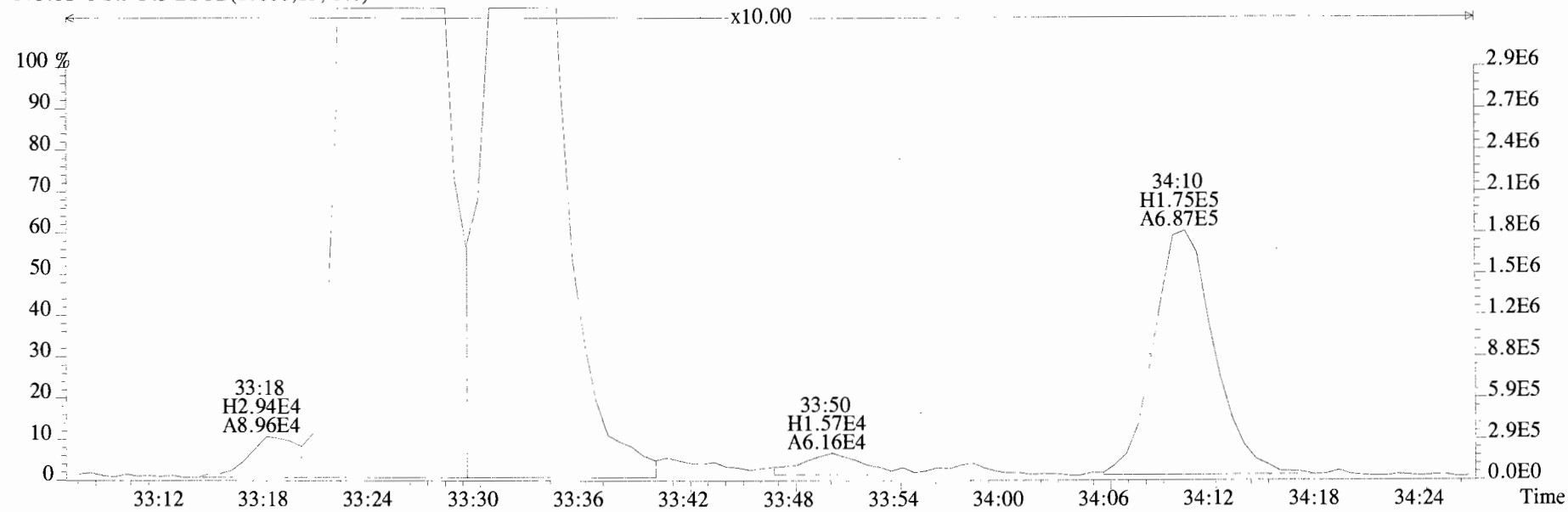
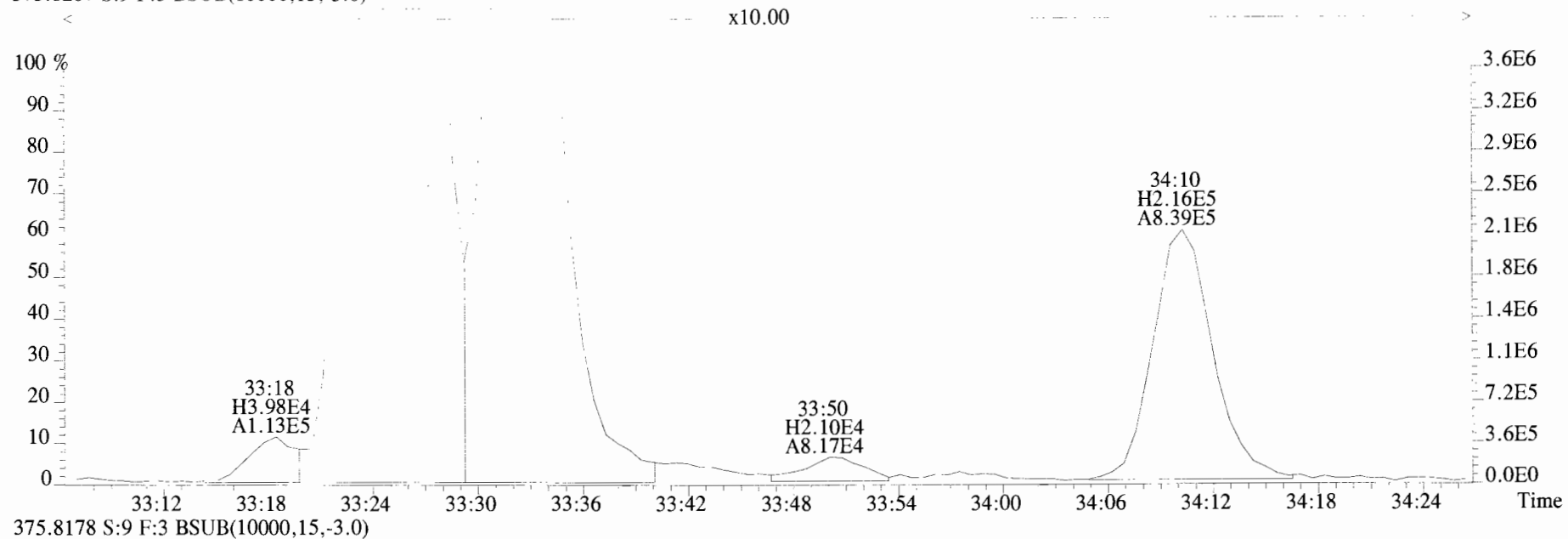
375.8178 S:9 F:3 BSUB(10000,15,-3.0)



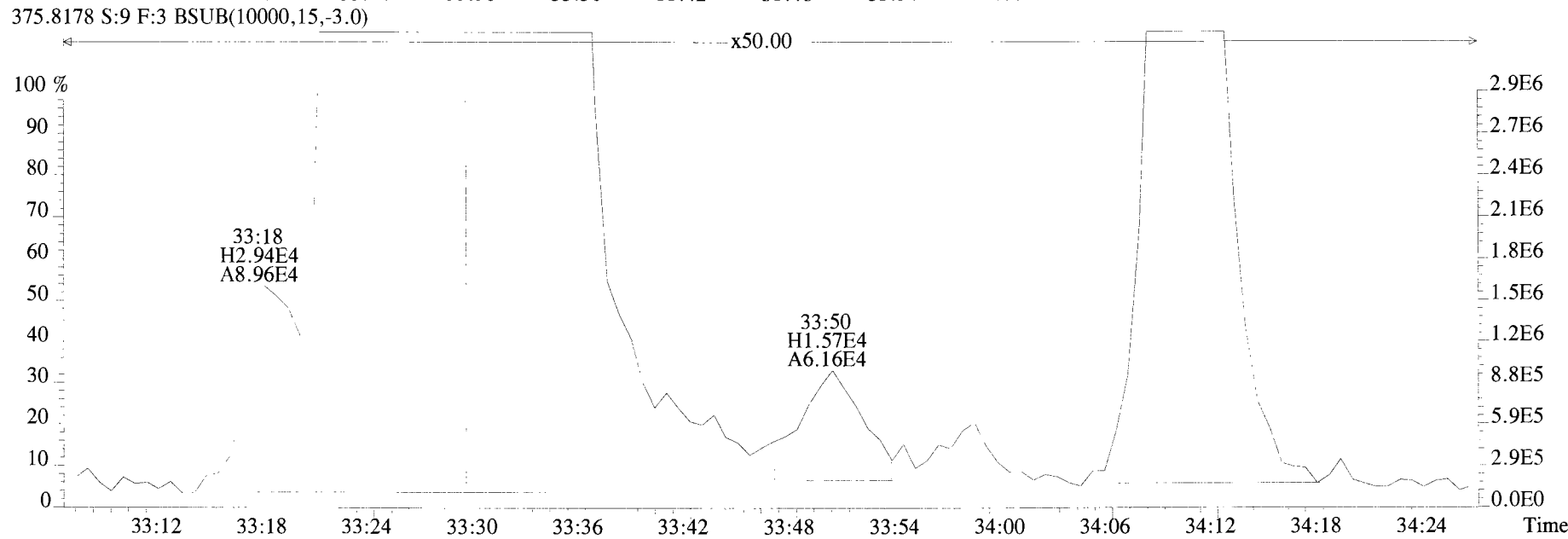
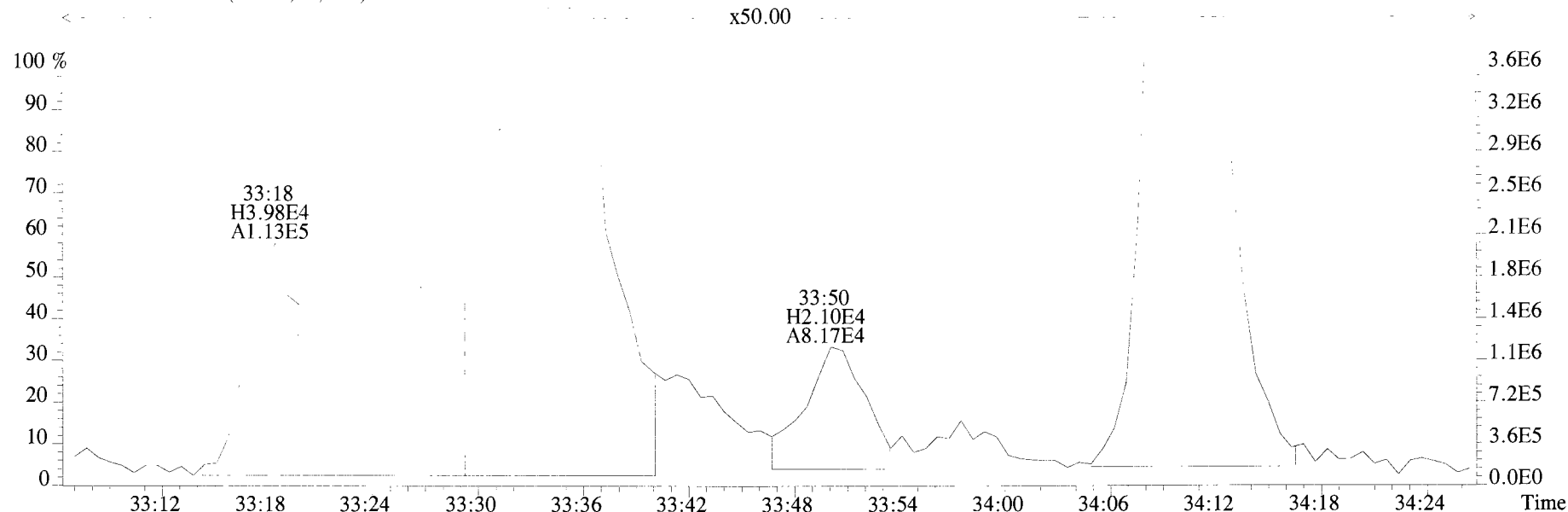
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
373.8207 S:9 F:3 BSUB(10000,15,-3.0)



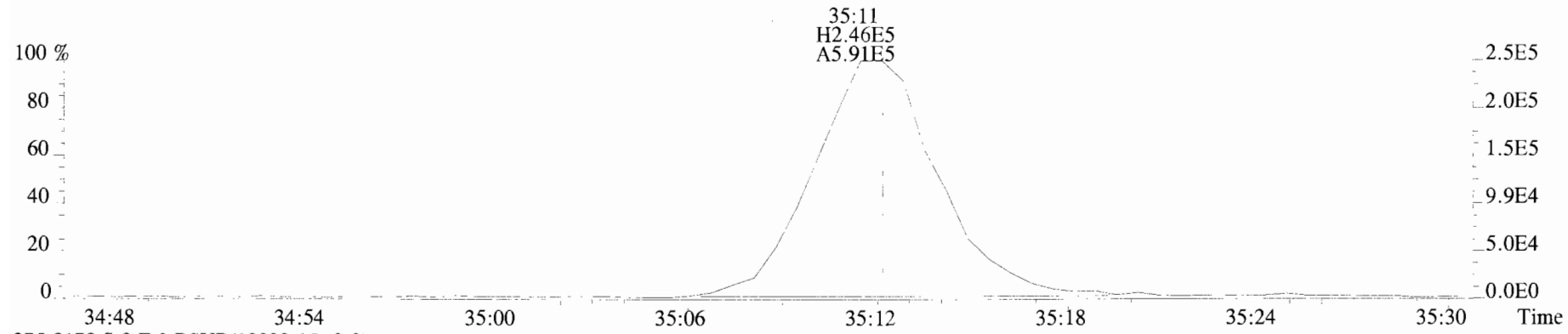
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
373.8207 S:9 F:3 BSUB(10000,15,-3.0)



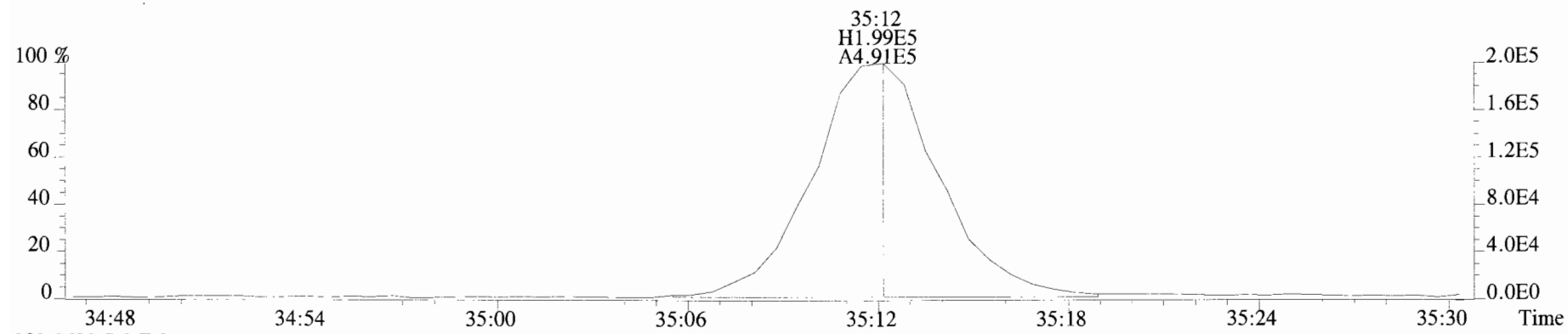
File: 191011D2 #1-356 Acq: 12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text: Vista_Analytical_Laboratory_VG7 Text: 1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp: OCDD_DB5
373.8207 S:9 F:3 BSUB(10000,15,-3.0)



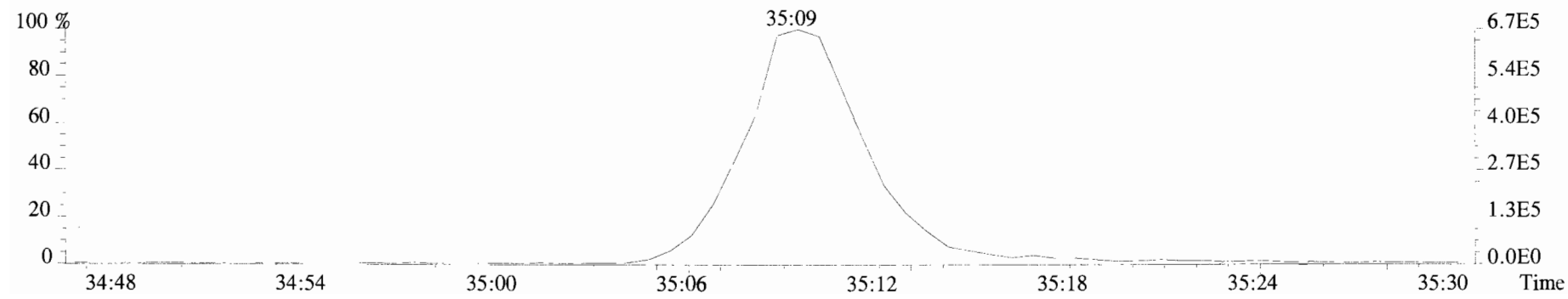
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
373.8207 S:9 F:3 BSUB(10000,15,-3.0)



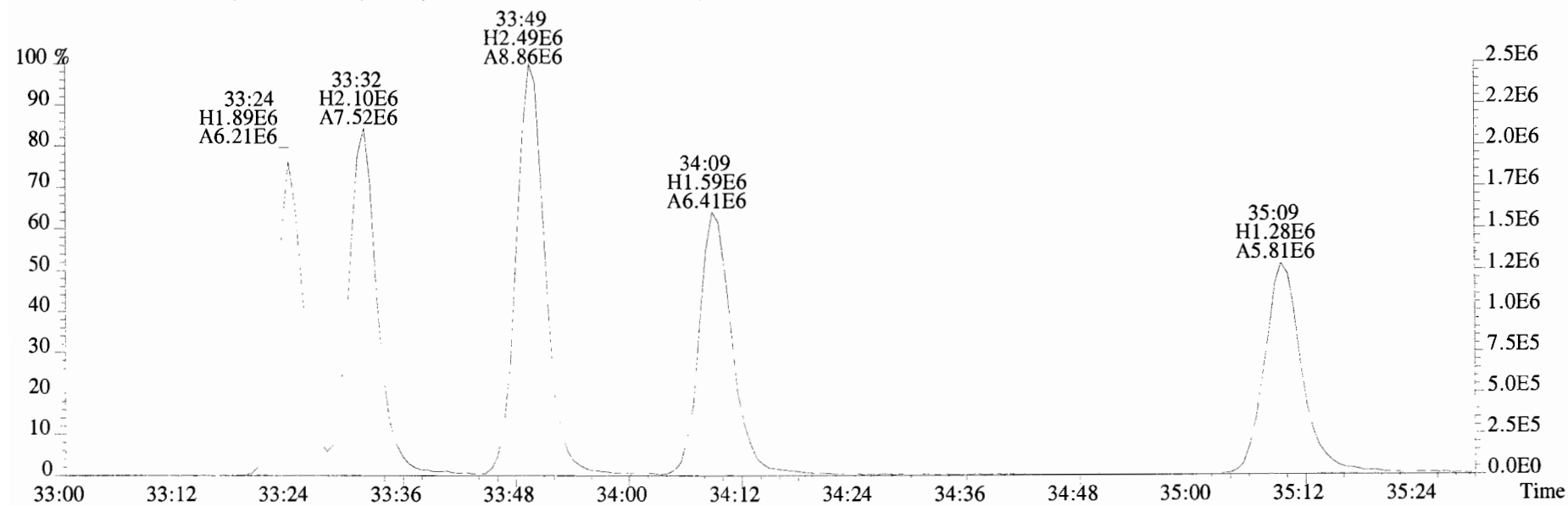
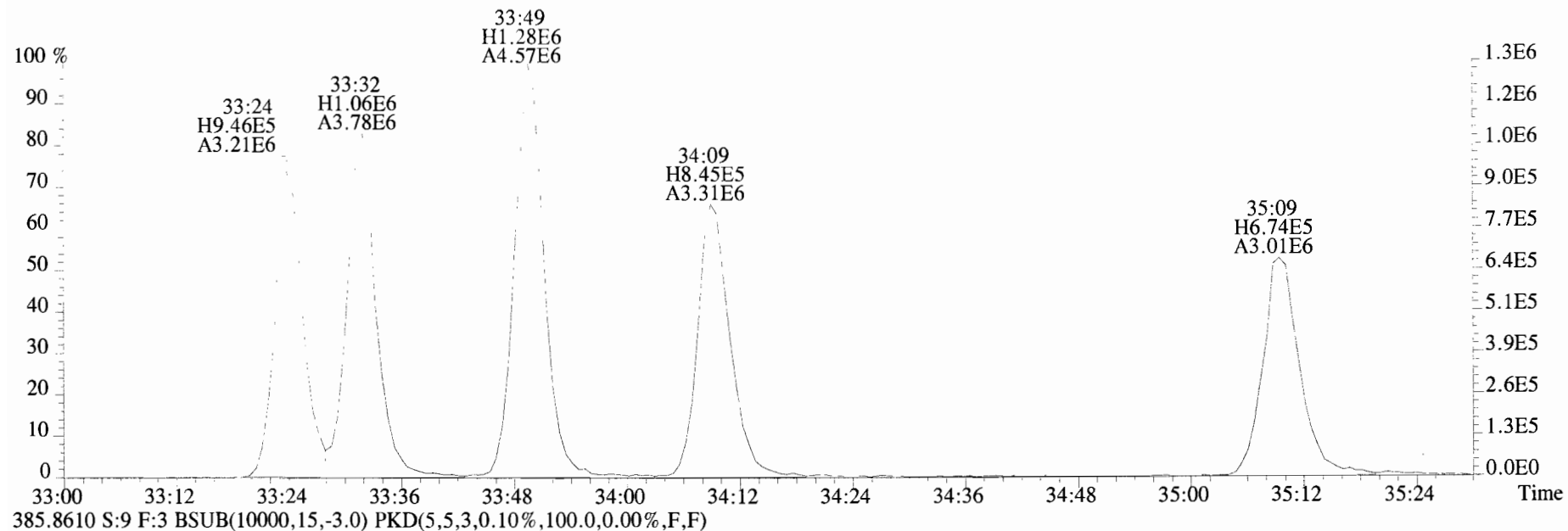
375.8178 S:9 F:3 BSUB(10000,15,-3.0)



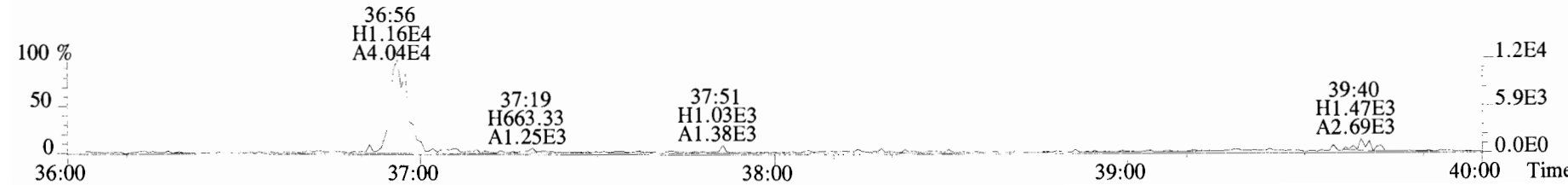
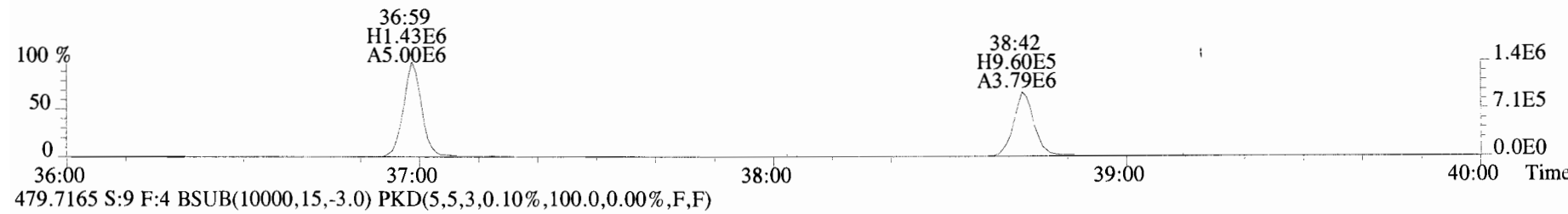
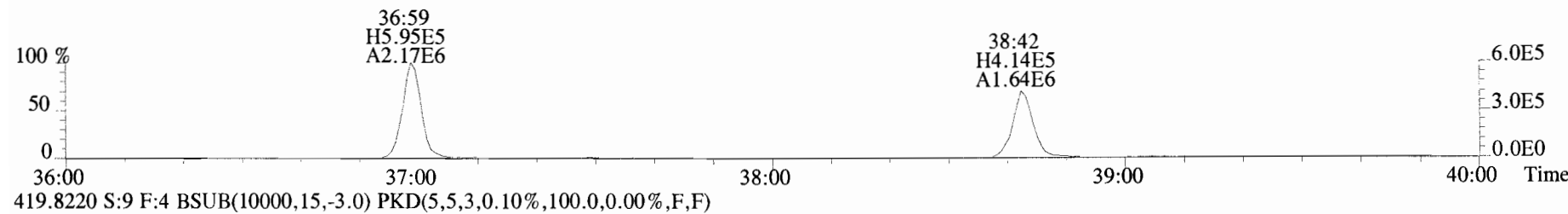
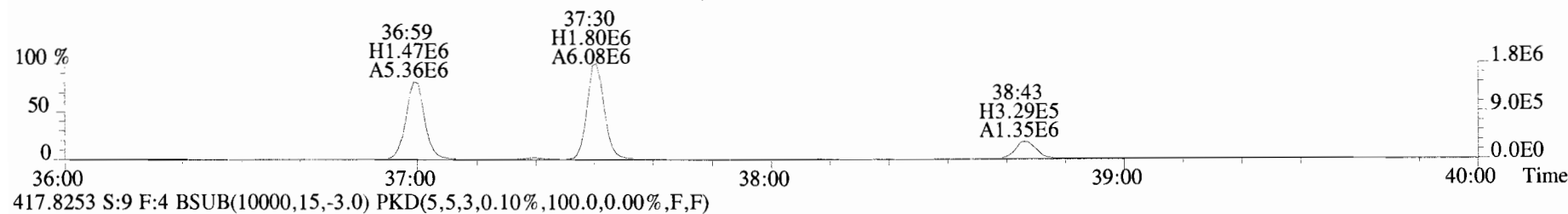
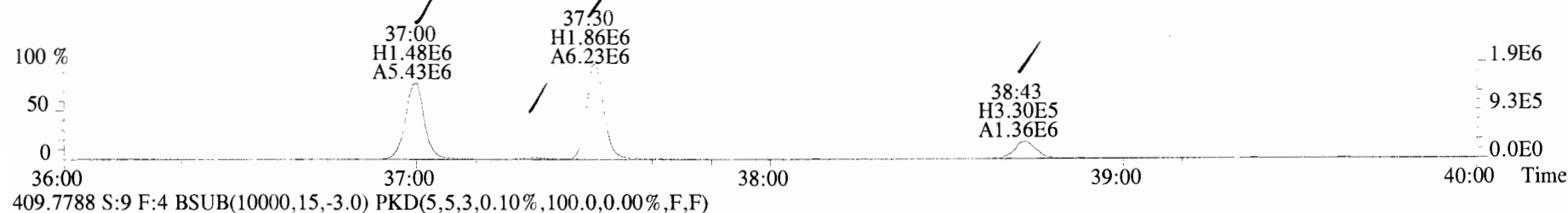
383.8639 S:9 F:3



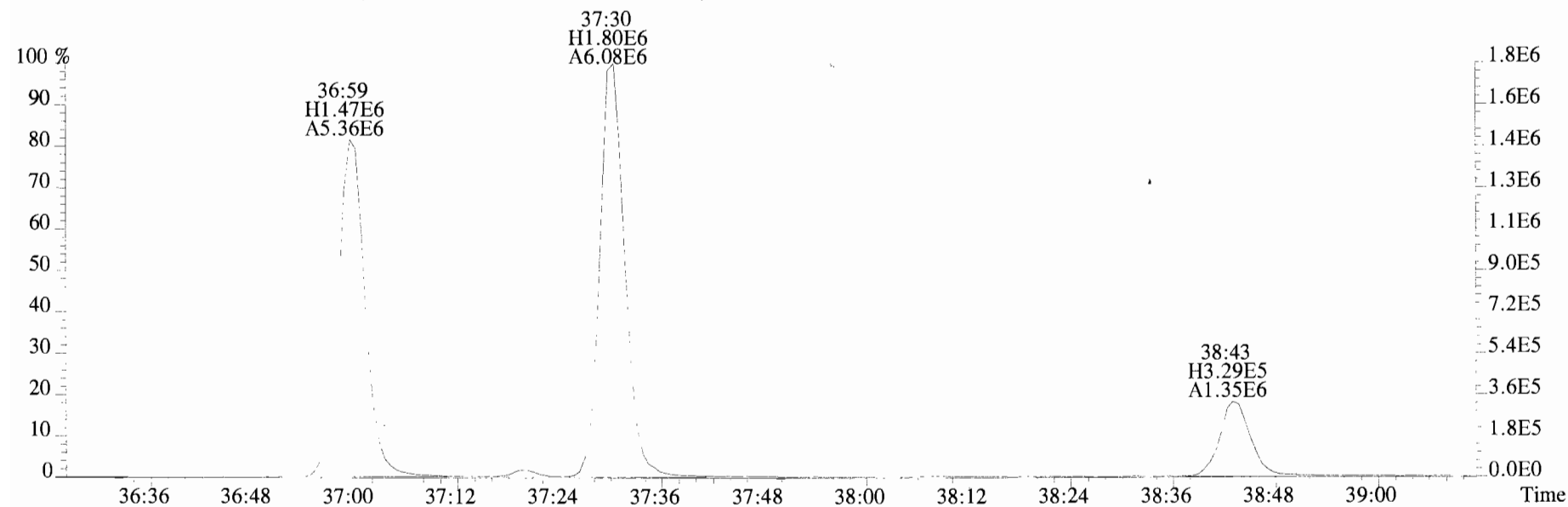
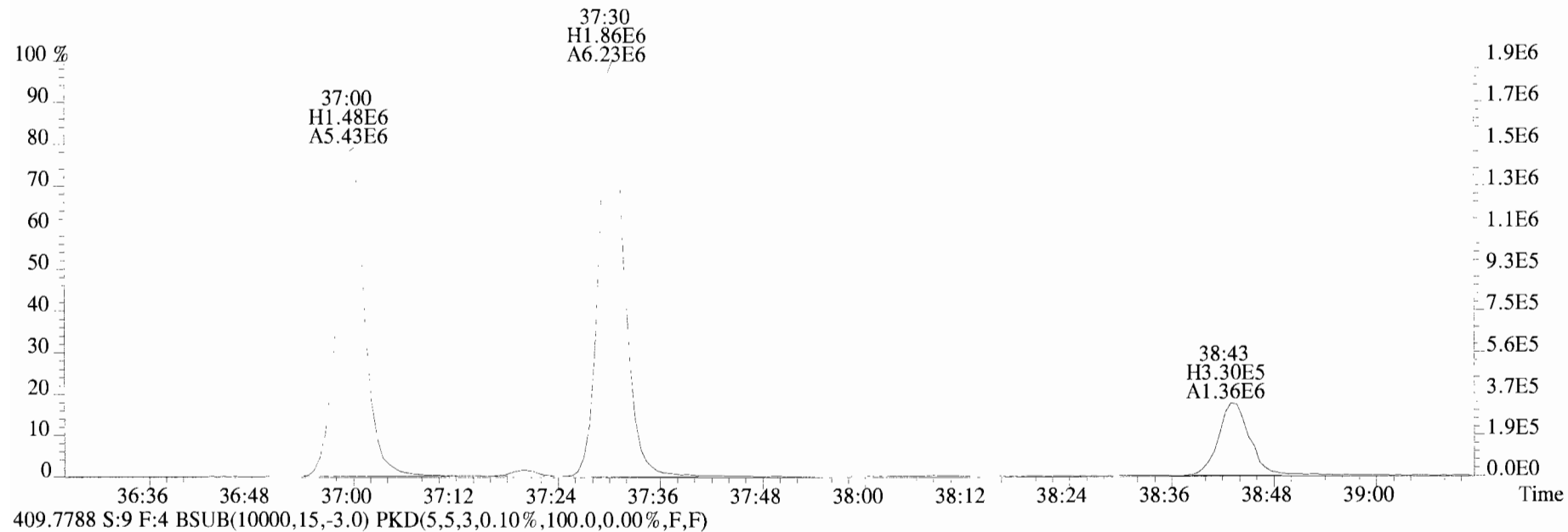
File:191011D2 #1-356 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
383.8639 S:9 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



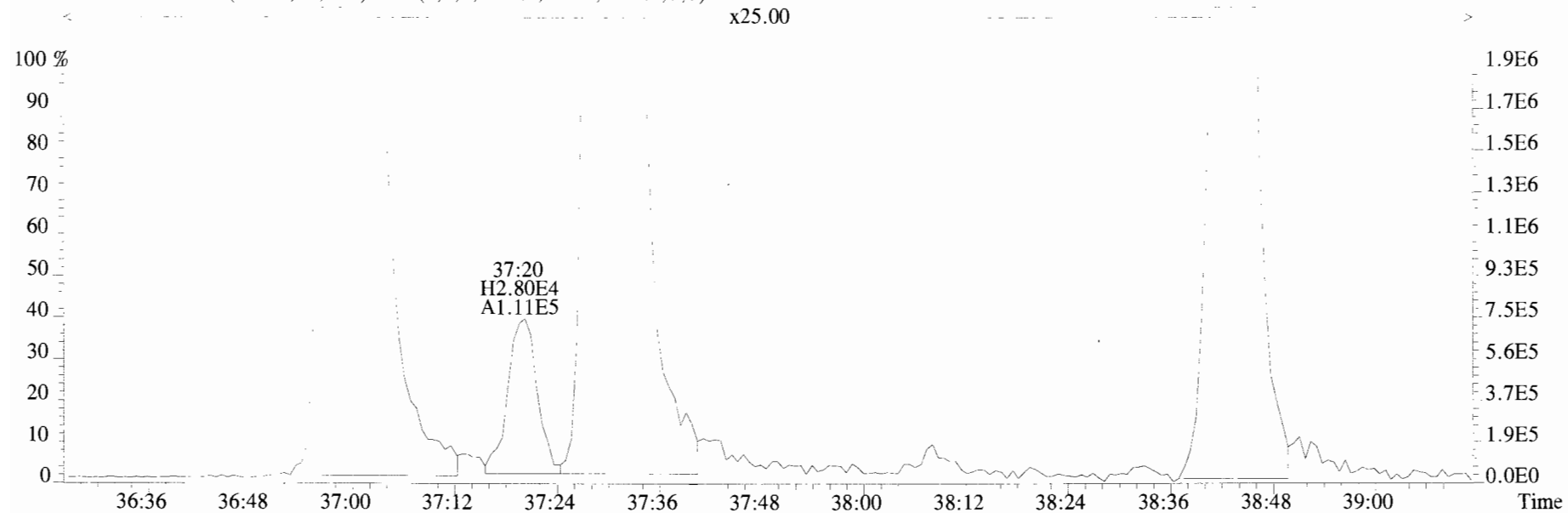
File:191011D2 #1-355 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



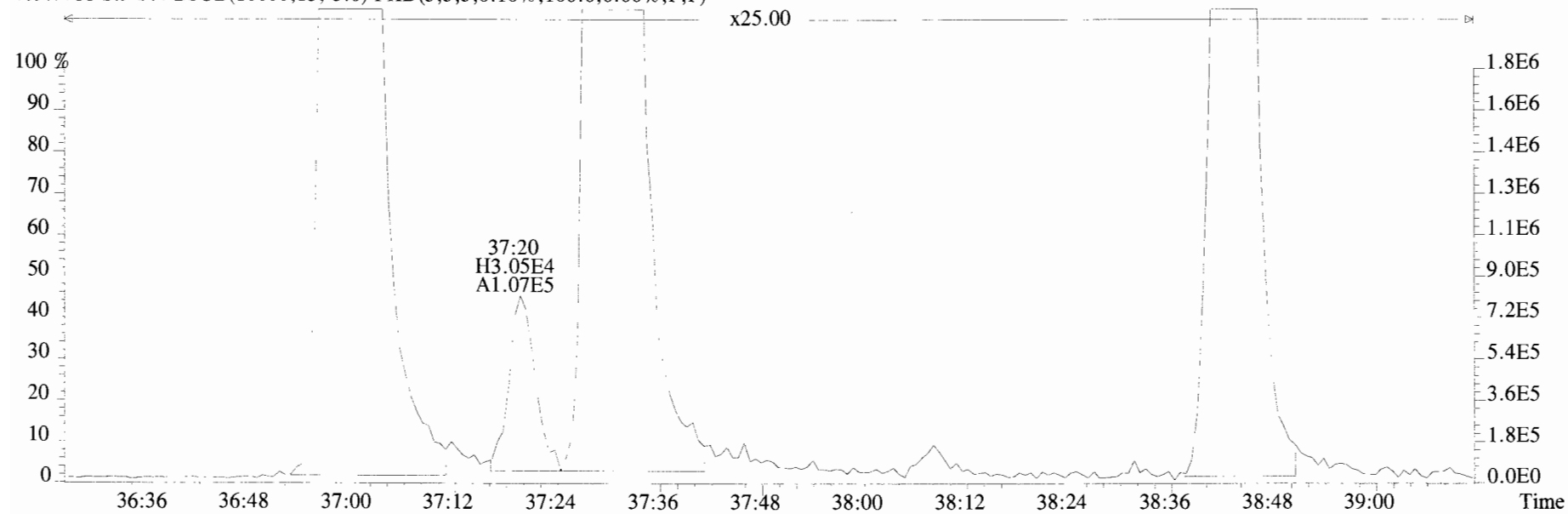
File:191011D2 #1-355 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



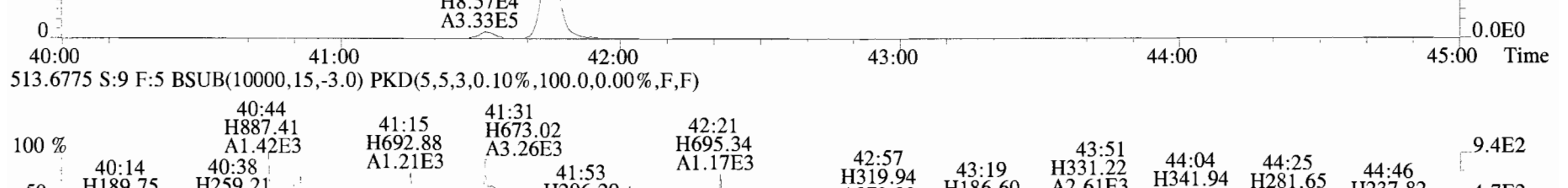
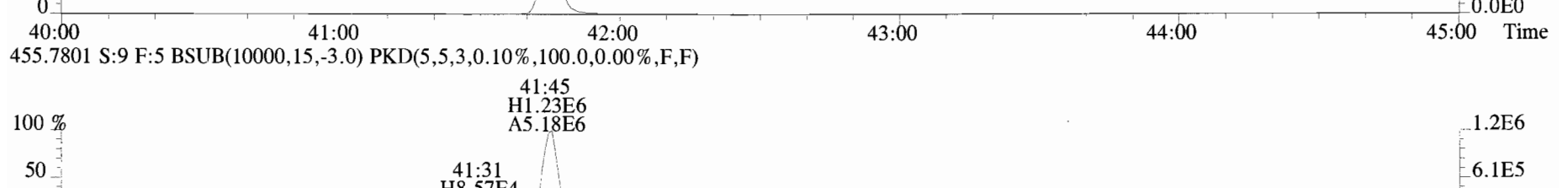
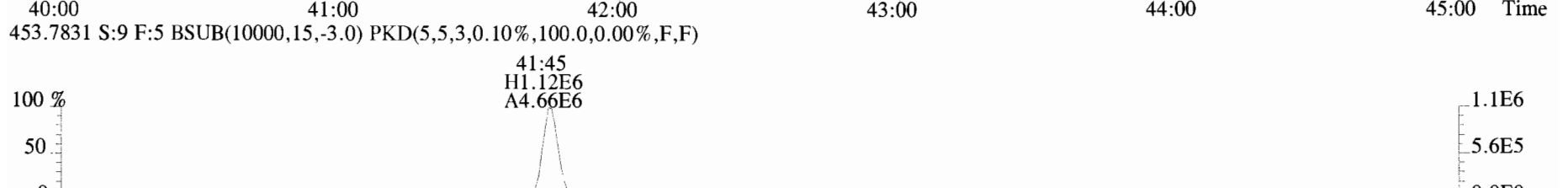
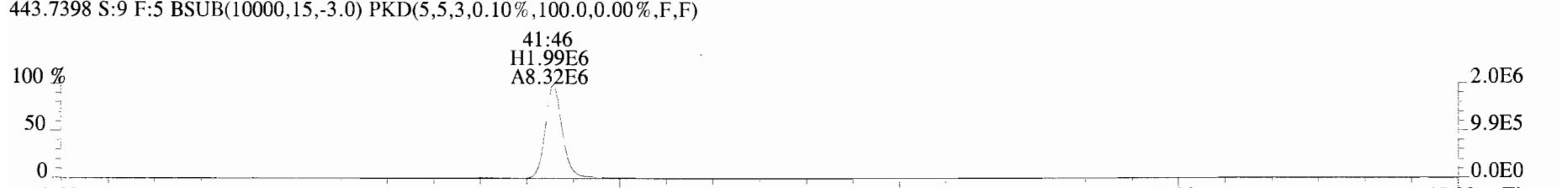
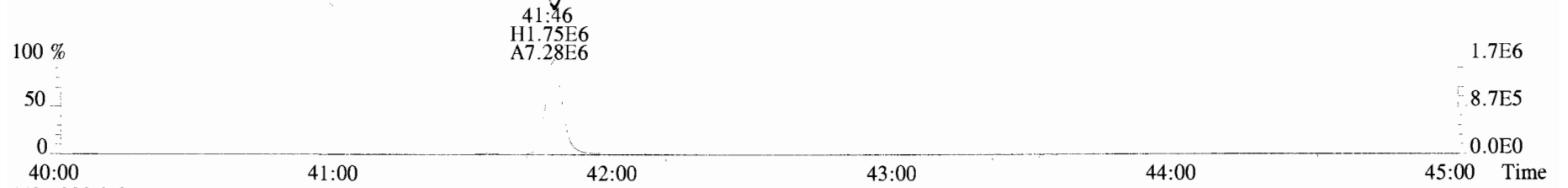
File:191011D2 #1-355 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
407.7818 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



409.7788 S:9 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



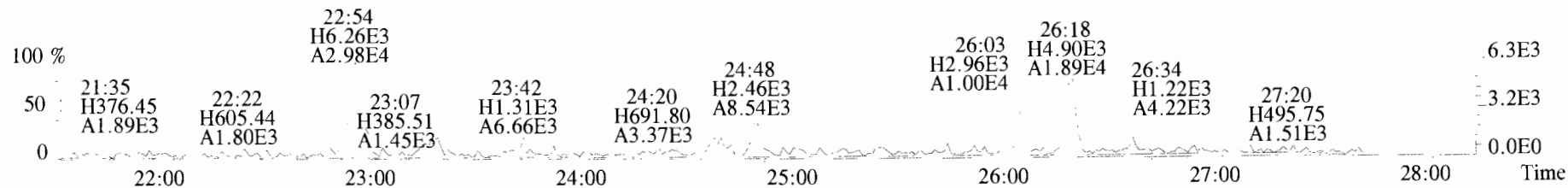
File:191011D2 #1-432 Acq:12-OCT-2019 07:39:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-01 PDI-014SG-00-0.78-190923 18.99 Exp:OCDD_DB5
441.7428 S:9 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



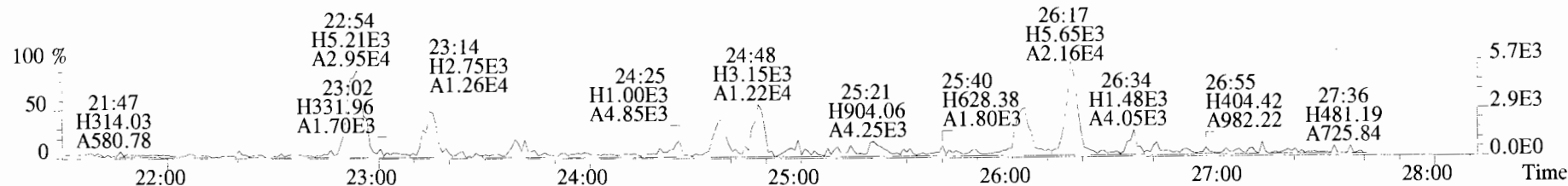
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	*	* n	0.91	NotF η	*	*	2.5	*	*	Total Tetra-Dioxins	*	*	*	*	*
1,2,3,7,8-PeCDD	*	* n	0.90	NotF η	*	*	2.5	*	*	Total Penta-Dioxins	*	*	*	*	*
1,2,3,4,7,8-HxCDD	*	* n	1.10	NotF η	*	*	2.5	*	*	Total Hexa-Dioxins	*	*	*	*	*
1,2,3,6,7,8-HxCDD	*	* n	0.94	NotF η	*	*	2.5	*	*	Total Hepta-Dioxins	*	*	*	*	*
1,2,3,7,8,9-HxCDD	*	* n	0.96	NotF η	*	*	2.5	*	*	Total Tetra-Furans	*	*	*	*	*
1,2,3,4,6,7,8-HpCDD	*	* n	0.98	NotF η	*	*	2.5	*	*	Total Penta-Furans	0.0000	0.0000	*	*	*
OCDD	1.72e+07	0.91 y	0.96	41:19	9874.1	*	2.5	*	*	Total Hexa-Furans	*	*	*	*	*
										Total Hepta-Furans	*	*	*	*	*
2,3,7,8-TCDF	*	* n	0.95	NotF η	*	*	2.5	*	*						
1,2,3,7,8-PeCDF	*	* n	0.96	NotF η	*	*	2.5	*	*						
2,3,4,7,8-PeCDF	*	* n	1.01	NotF η	*	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	*	* n	1.18	NotF η	*	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	*	* n	1.07	NotF η	*	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	*	* n	1.11	NotF η	*	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	*	* n	1.06	NotF η	*	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	*	* n	1.13	NotF η	*	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	*	* n	1.28	NotF η	*	*	2.5	*	*						
OCDF	*	* n	0.95	NotF η	*	*	2.5	*	*						
										Rec	Qual				
IS	13C-2,3,7,8-TCDD	1.13e+06	0.82 y	1.10	26:16	173.98				88.2					
IS	13C-1,2,3,7,8-PeCDD	8.58e+05	0.59 y	0.88	30:47	164.37				83.3					
IS	13C-1,2,3,4,7,8-HxCDD	6.23e+05	1.39 y	0.64	34:06	170.24				86.3					
IS	13C-1,2,3,6,7,8-HxCDD	7.18e+05	1.30 y	0.86	34:13	147.35				74.7					
IS	13C-1,2,3,7,8,9-HxCDD	6.84e+05	1.30 y	0.81	34:31	148.84				75.5					
IS	13C-1,2,3,4,6,7,8-HpCDD	5.68e+05	0.98 y	0.65	37:59	152.50				77.3					
IS	13C-OCDD	7.19e+05	0.95 y	0.58	41:19	217.52				55.1					
IS	13C-2,3,7,8-TCDF	1.50e+06	0.84 y	1.03	25:29	166.69				84.5					
IS	13C-1,2,3,7,8-PeCDF	1.21e+06	1.48 y	0.85	29:36	163.41				82.9					
IS	13C-2,3,4,7,8-PeCDF	1.24e+06	1.56 y	0.85	30:30	168.40				85.4					
IS	13C-1,2,3,4,7,8-HxCDF	7.96e+05	0.54 y	0.83	33:12	167.91				85.1					
IS	13C-1,2,3,6,7,8-HxCDF	9.09e+05	0.49 y	1.03	33:20	154.18				78.2					
IS	13C-2,3,4,6,7,8-HxCDF	7.89e+05	0.53 y	0.95	33:56	145.31				73.7					
IS	13C-1,2,3,7,8,9-HxCDF	7.26e+05	0.52 y	0.83	34:53	153.94				78.1					
IS	13C-1,2,3,4,6,7,8-HpCDF	6.46e+05	0.44 y	0.76	36:45	149.76				75.9					
IS	13C-1,2,3,4,7,8,9-HpCDF	4.86e+05	0.46 y	0.58	38:31	146.66				74.4					
IS	13C-OCDF	9.74e+05	0.85 y	0.69	41:32	248.01				62.9					
C/Up	37Cl-2,3,7,8-TCDD	4.81e+05		1.20	26:17	67.761				85.9					
RS/RT	13C-1,2,3,4-TCDD	1.17e+06	0.77 y	1.00	25:42	197.22									
RS	13C-1,2,3,4-TCDF	1.71e+06	0.80 y	1.00	24:16	197.22									
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.12e+06	0.50 y	1.00	33:37	197.22									

Integrations Reviewed
 by DB by CT
 Analyst: DB Analyst: CT
 Date: 10/30/19 Date: 10/31/19

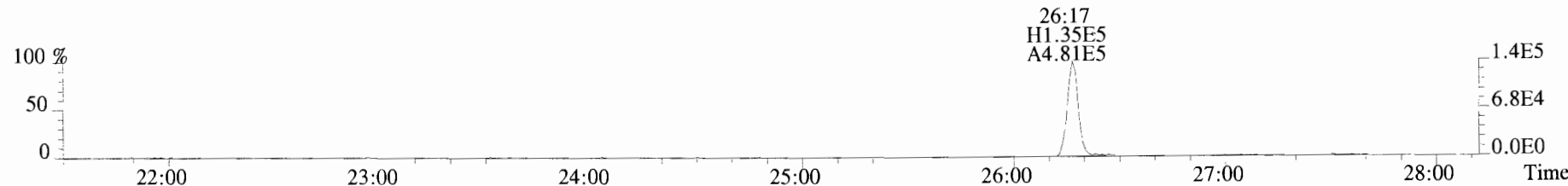
File:191029D1 #1-493 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



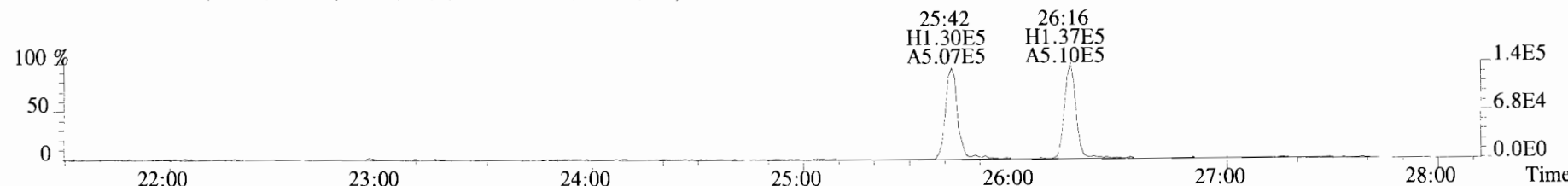
321.8936 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



327.8847 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



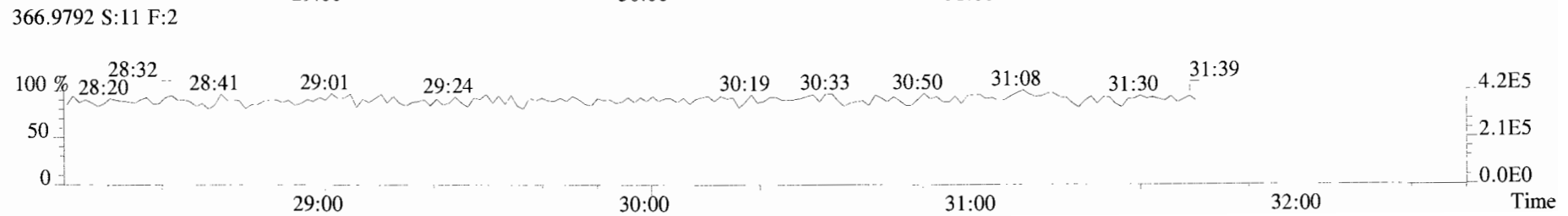
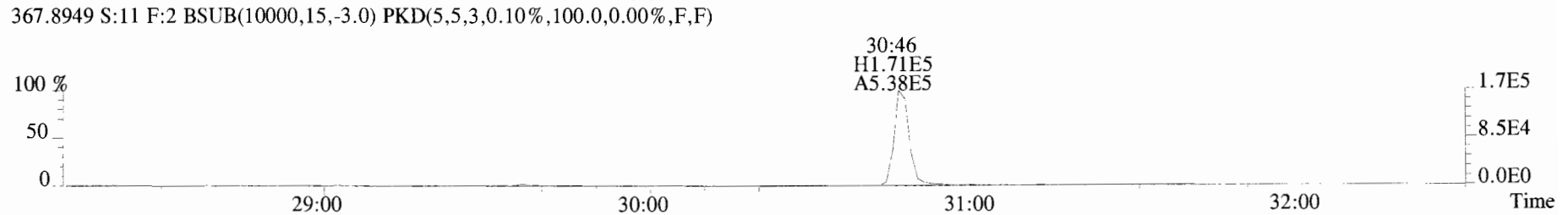
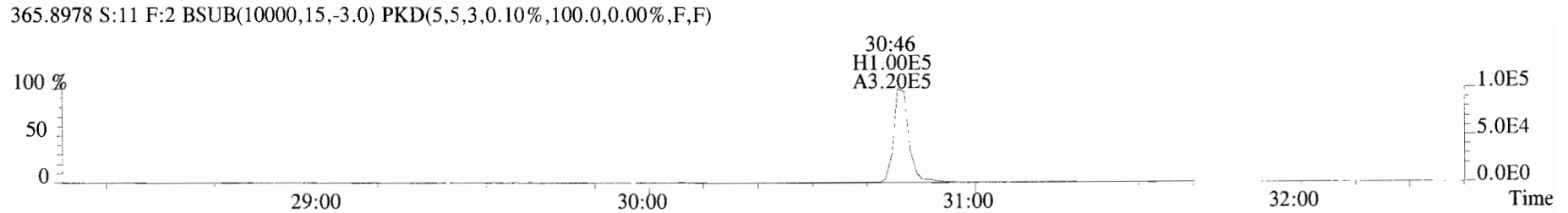
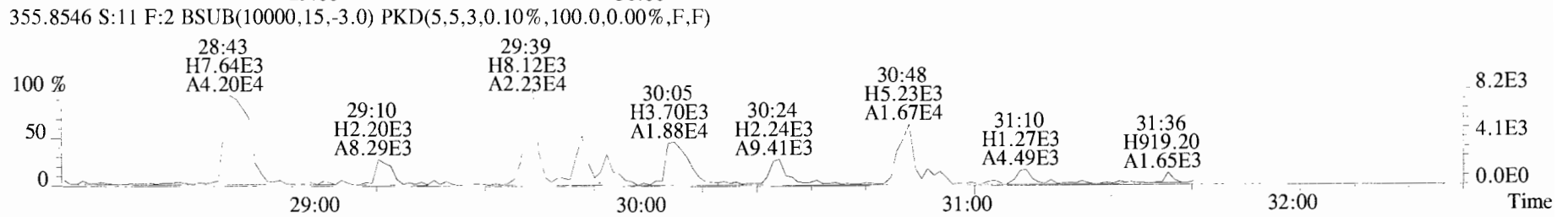
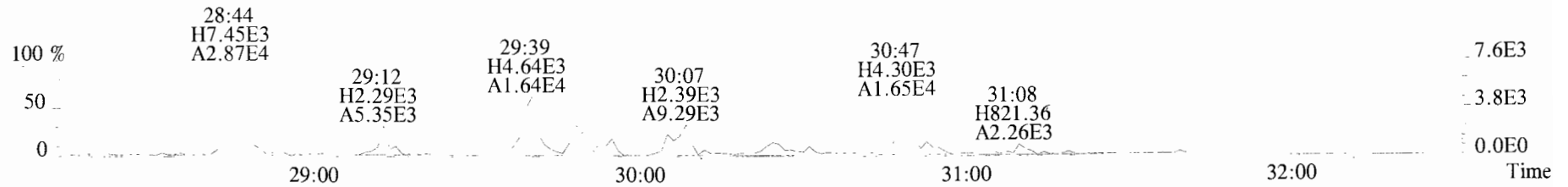
331.9368 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



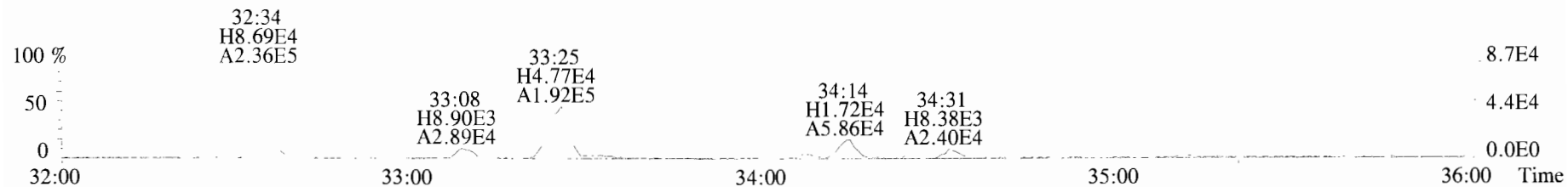
333.9339 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



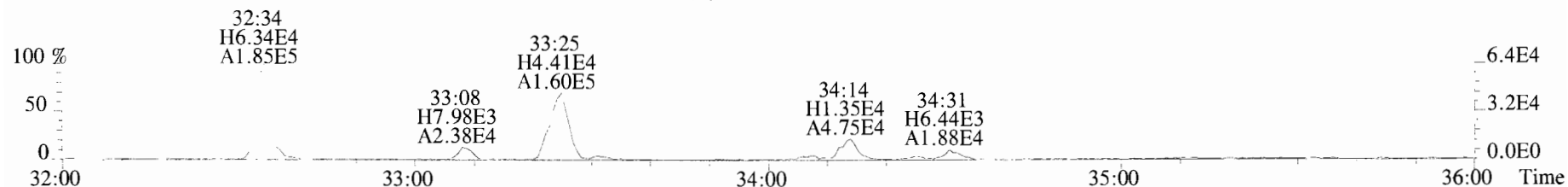
File:191029D1 #1-210 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
353.8576 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



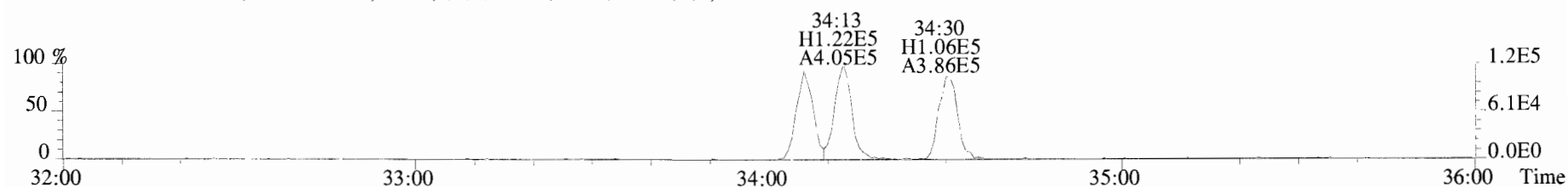
File:191029D1 #1-385 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



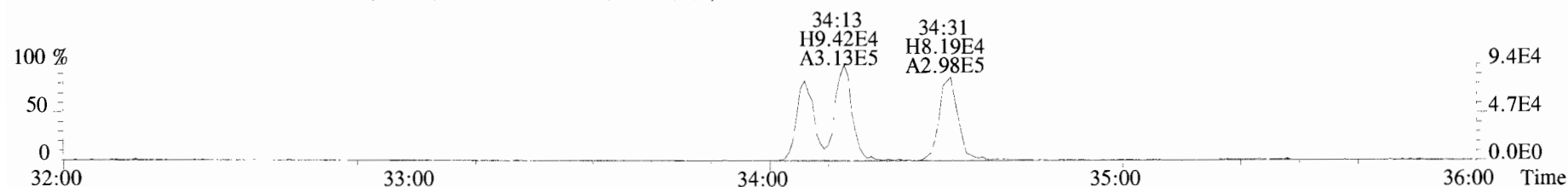
391.8127 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



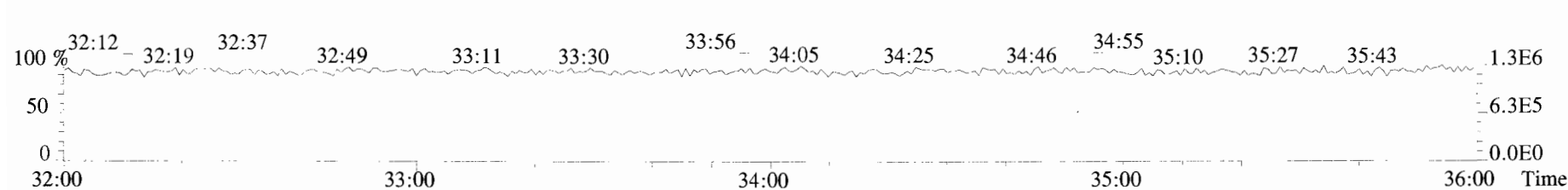
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



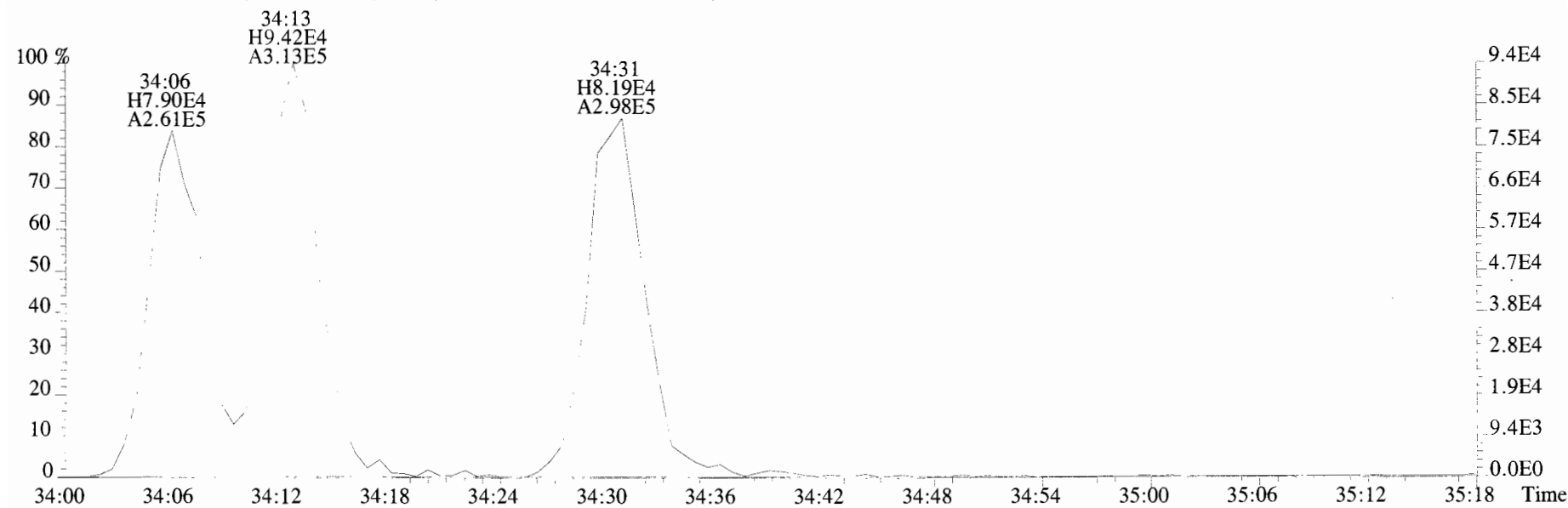
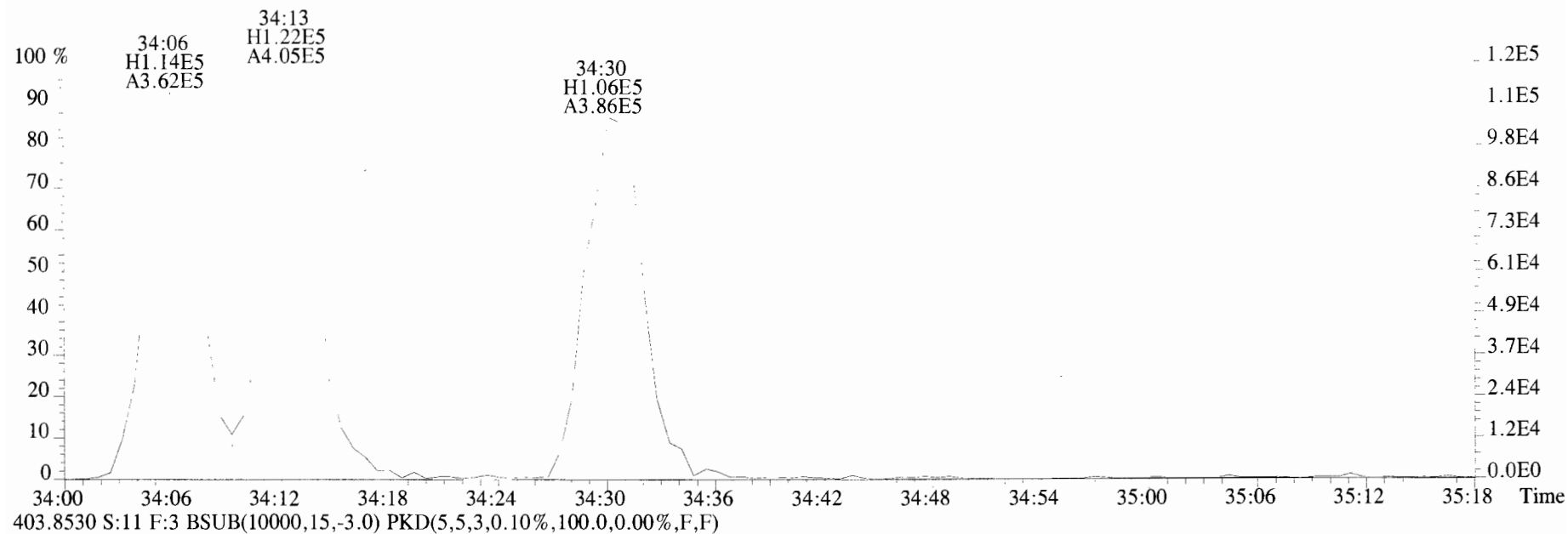
403.8530 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



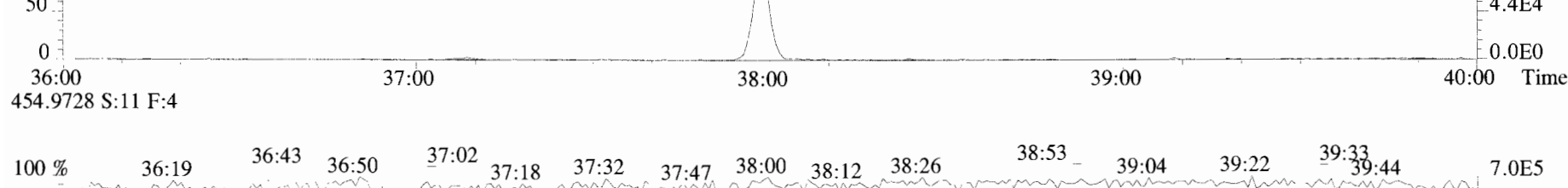
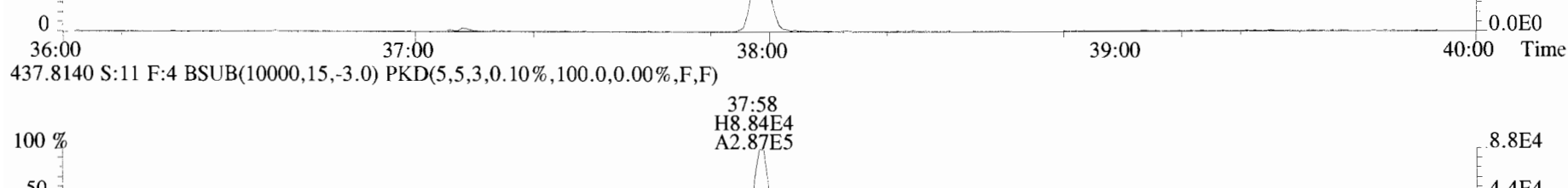
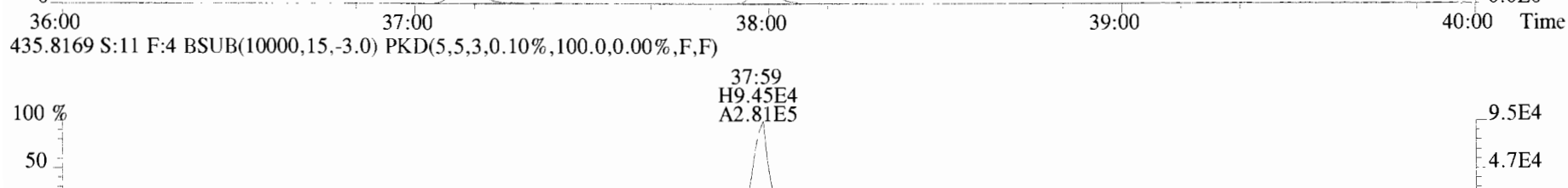
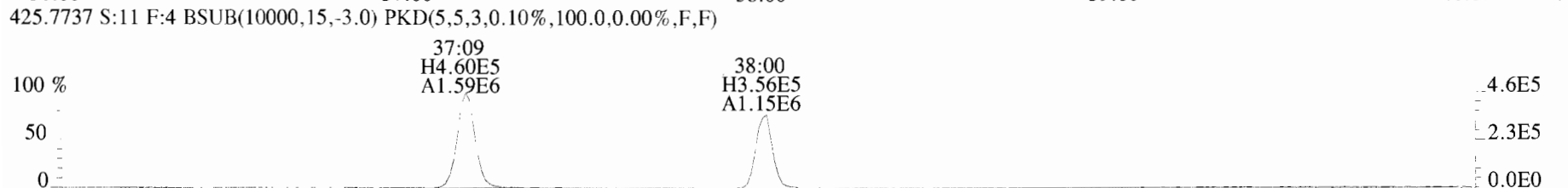
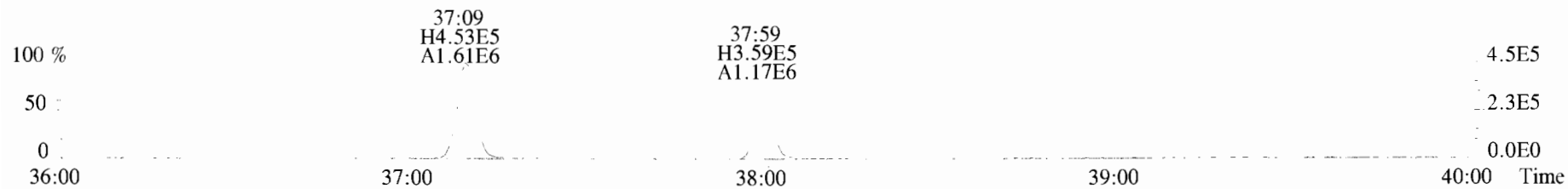
392.9760 S:11 F:3



File:191029D1 #1-385 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_D£
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



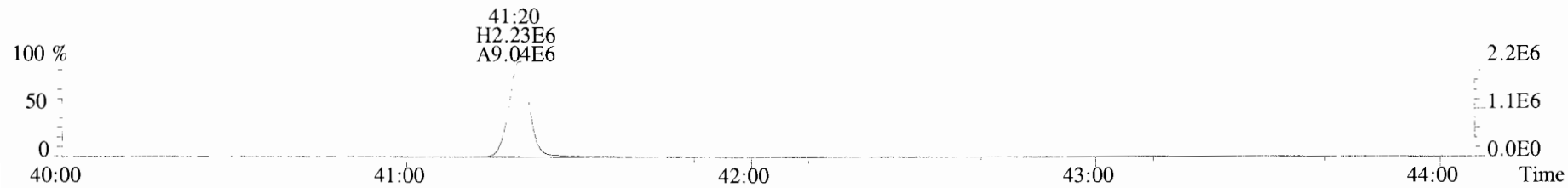
File:191029D1 #1-355 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_D£
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



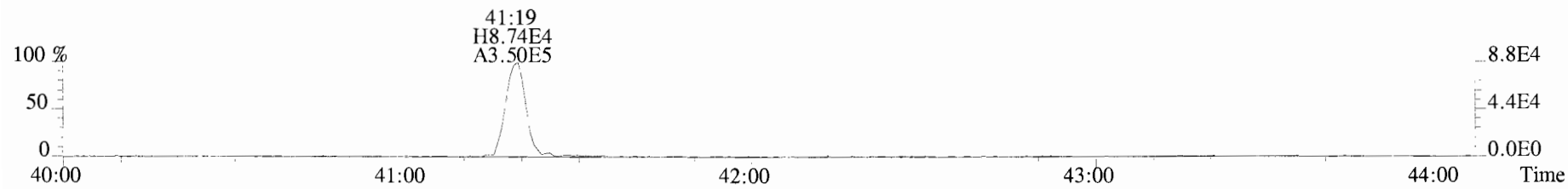
File:191029D1 #1-432 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_DF
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



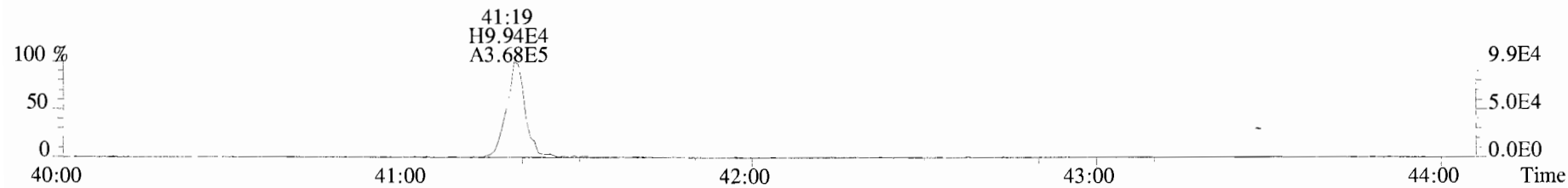
459.7348 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



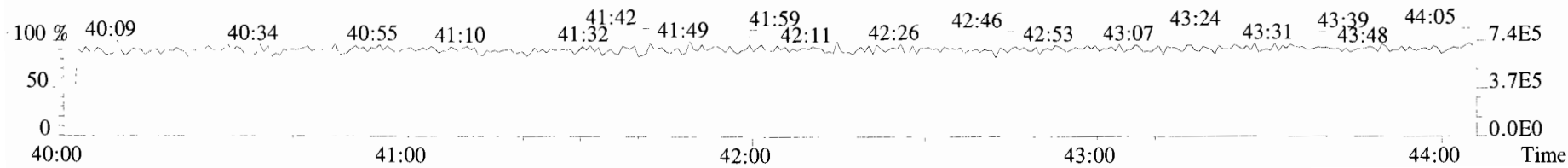
469.7780 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



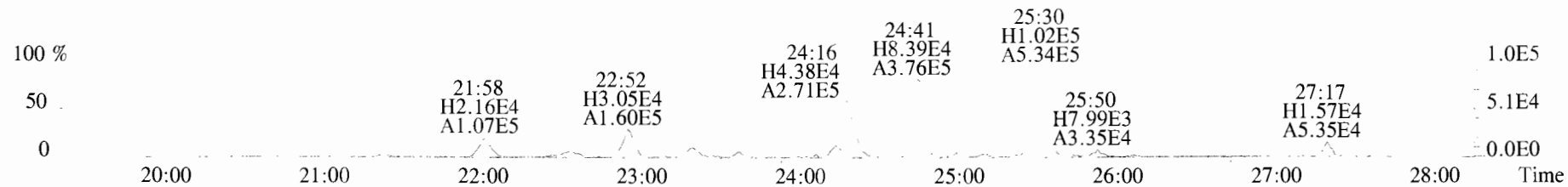
471.7750 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



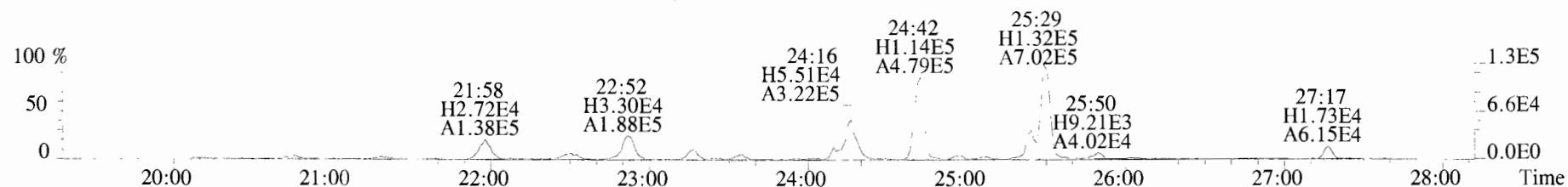
454.9728 S:11 F:5



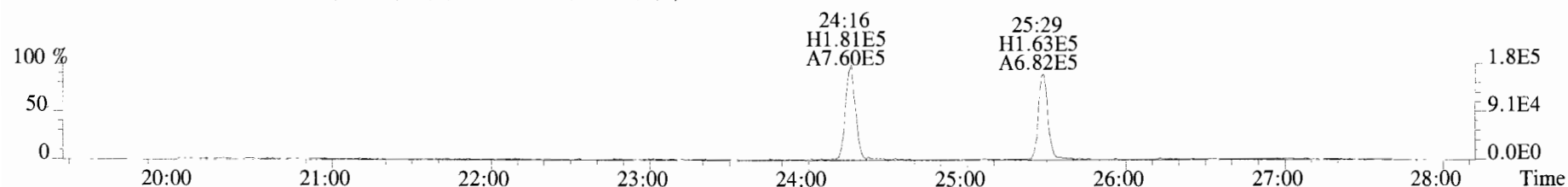
File:191029D1 #1-493 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_DE
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



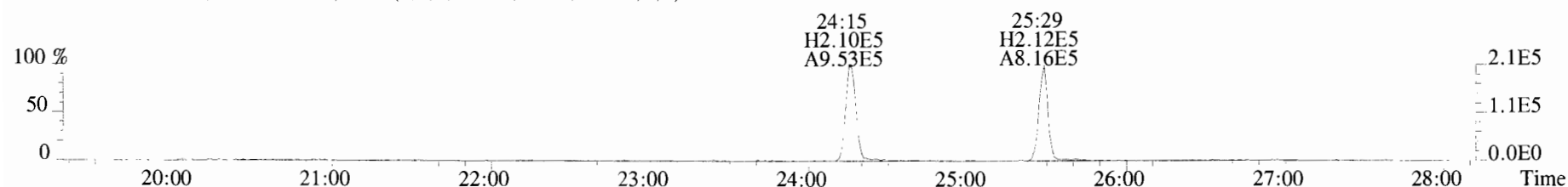
305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



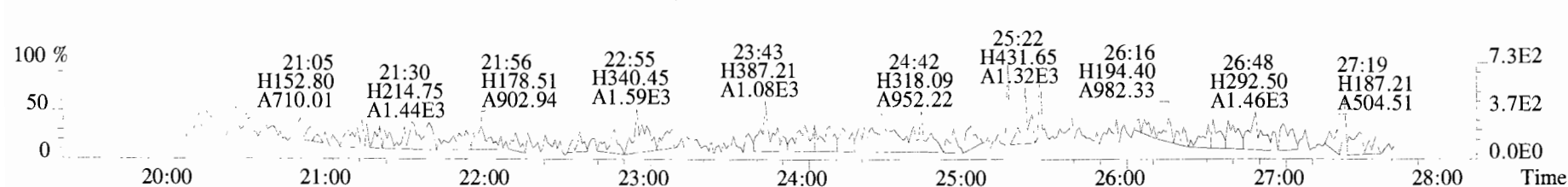
315.9419 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



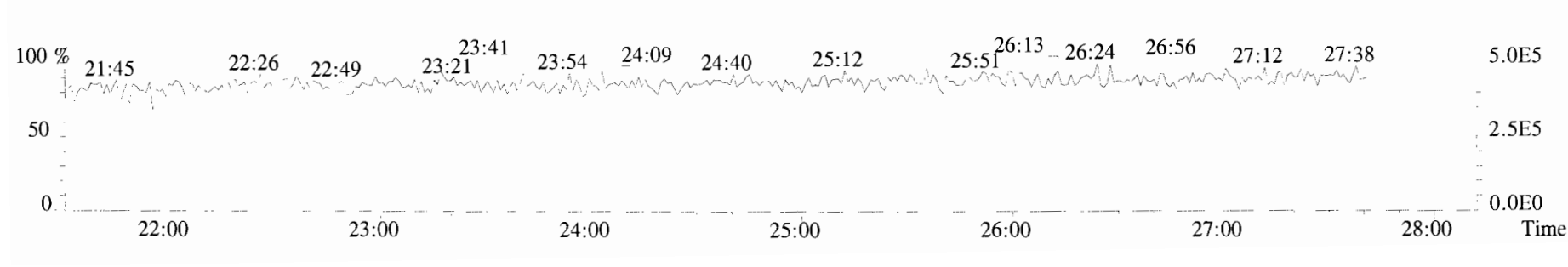
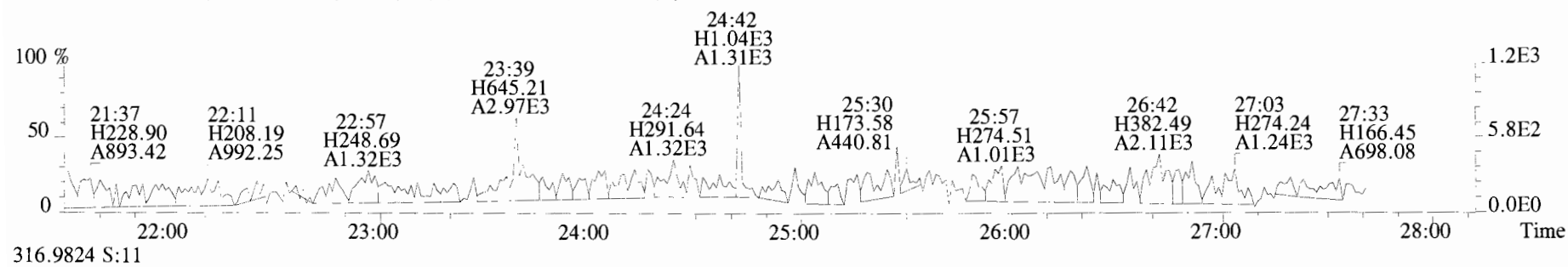
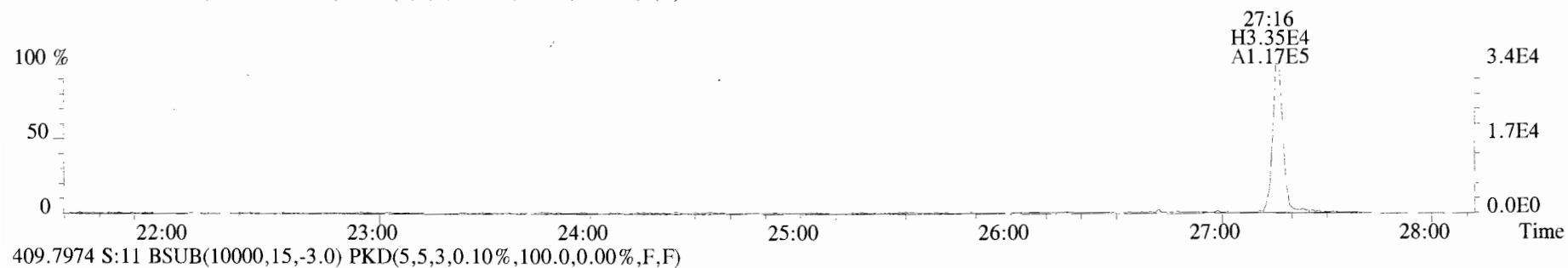
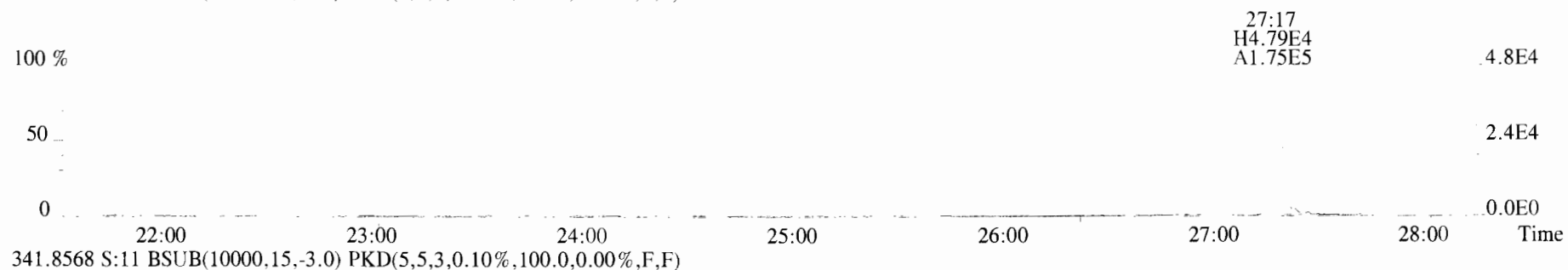
317.9389 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



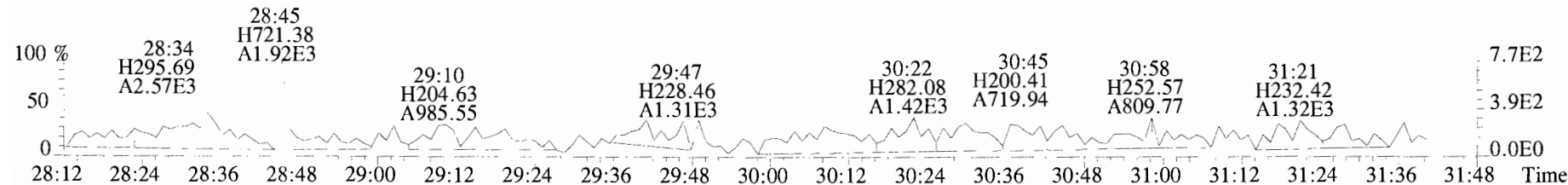
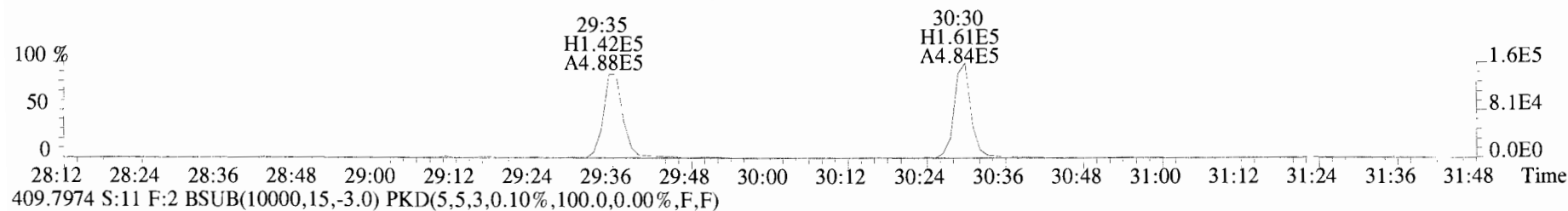
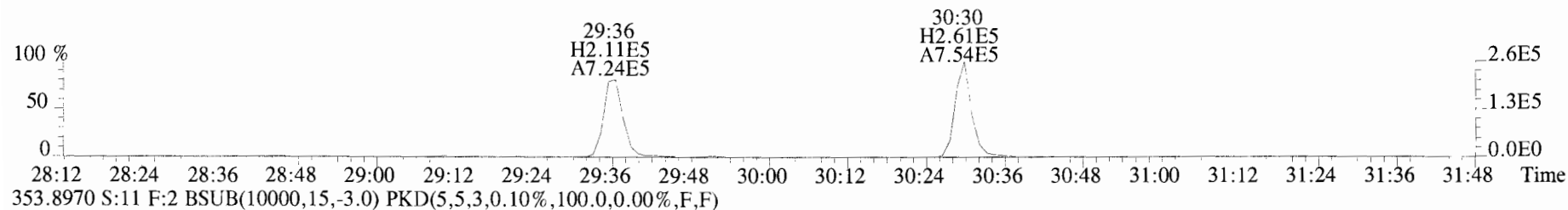
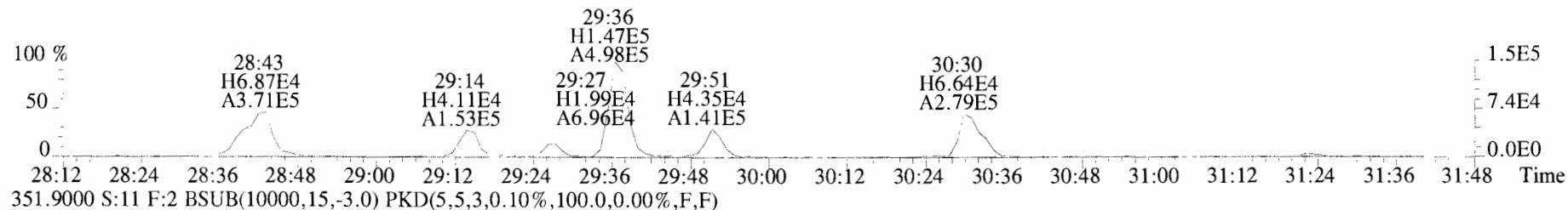
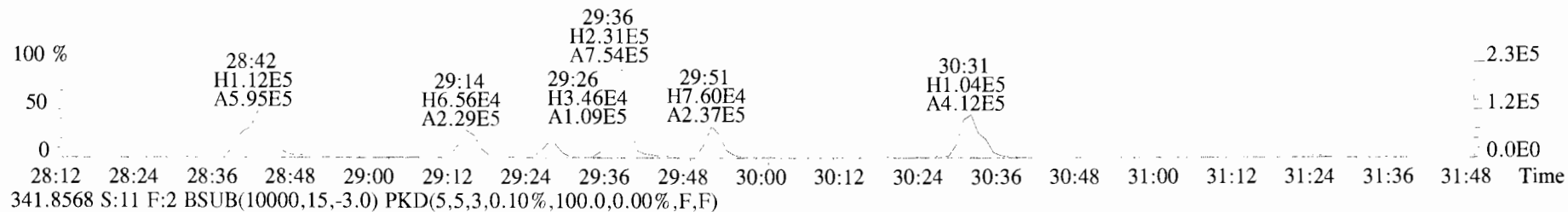
375.8364 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



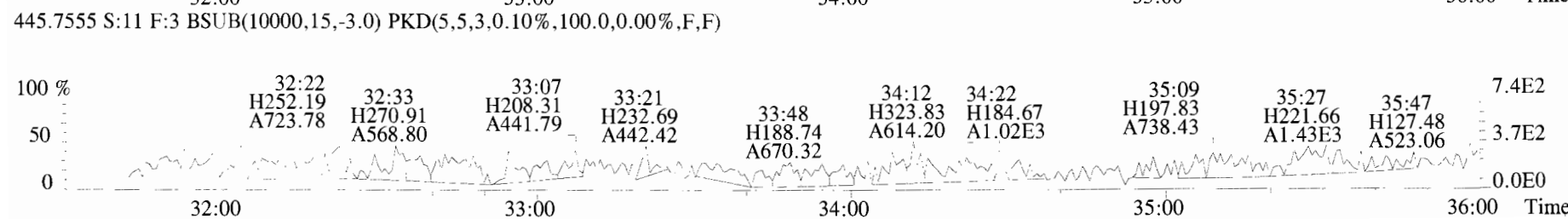
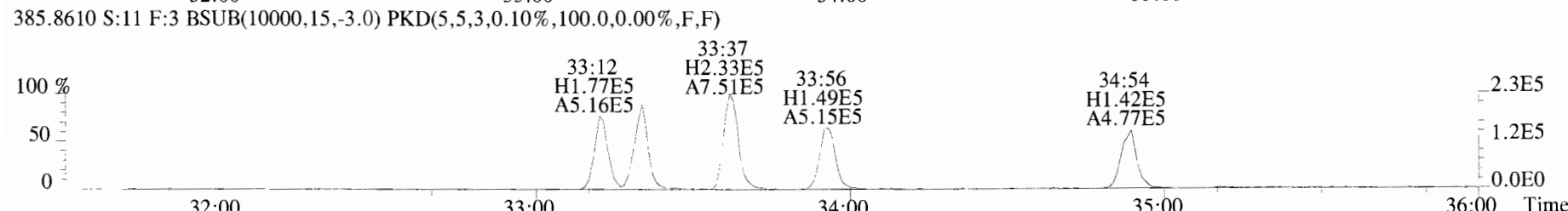
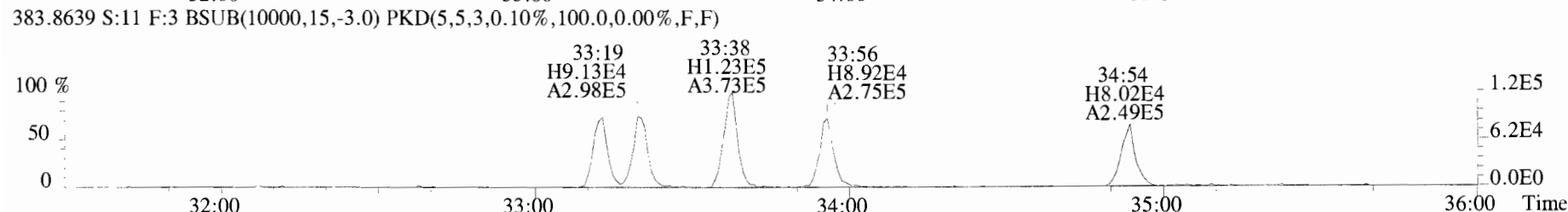
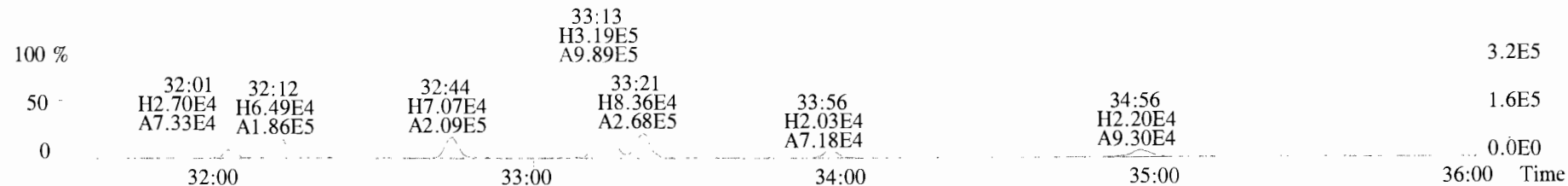
File:191029D1 #1-493 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
 339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



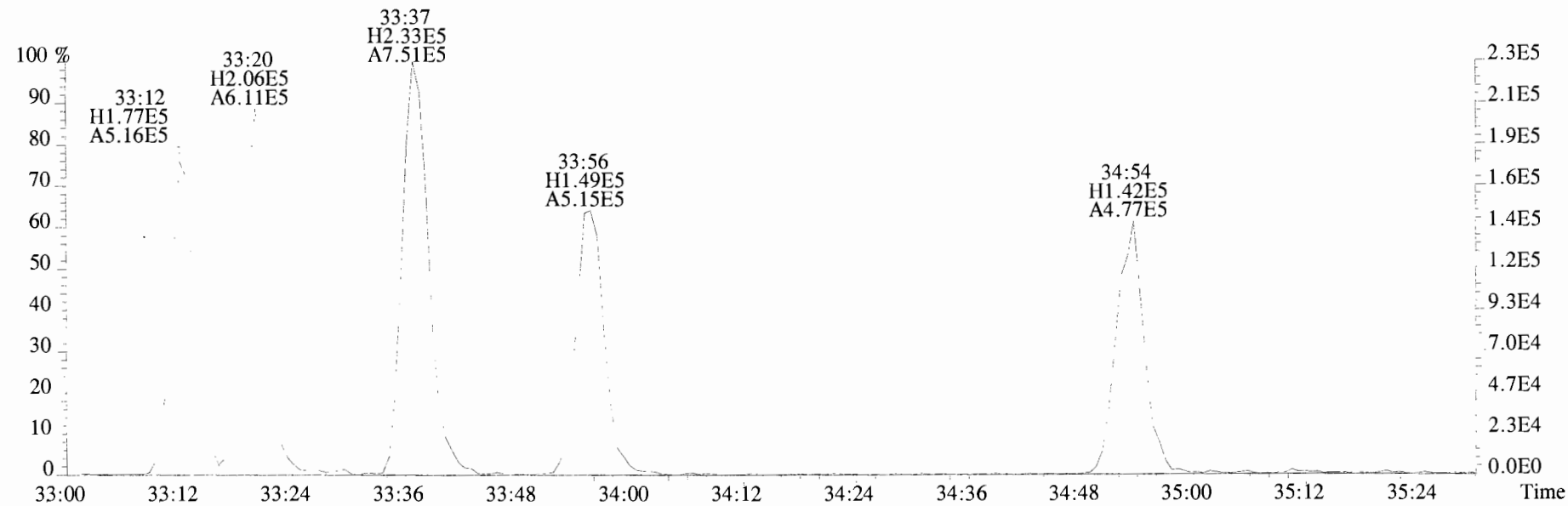
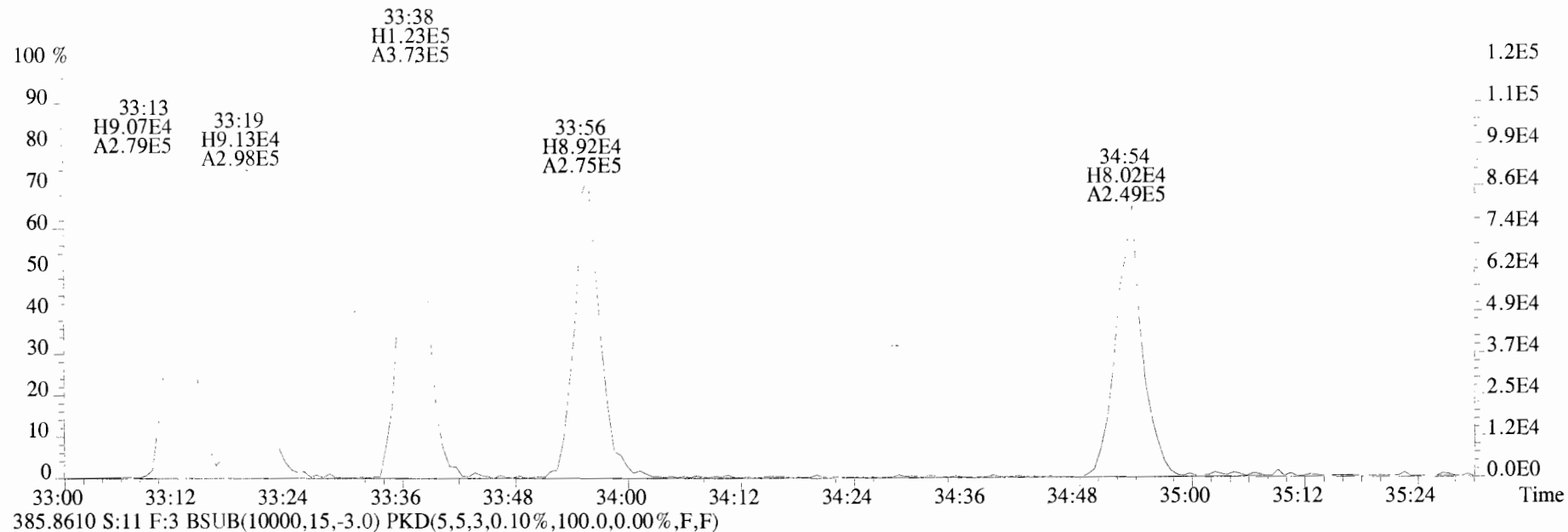
File:191029D1 #1-210 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
 339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F)



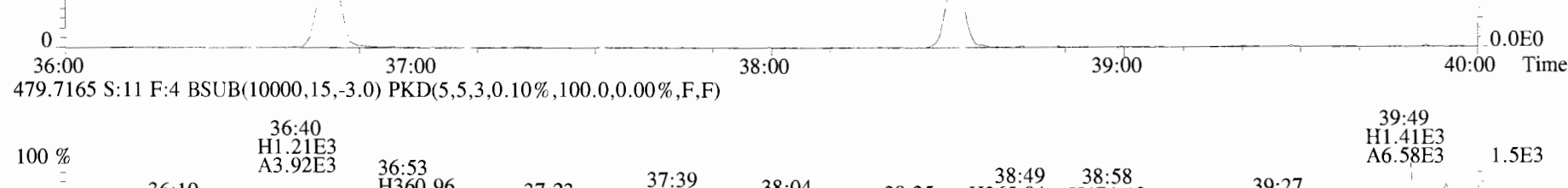
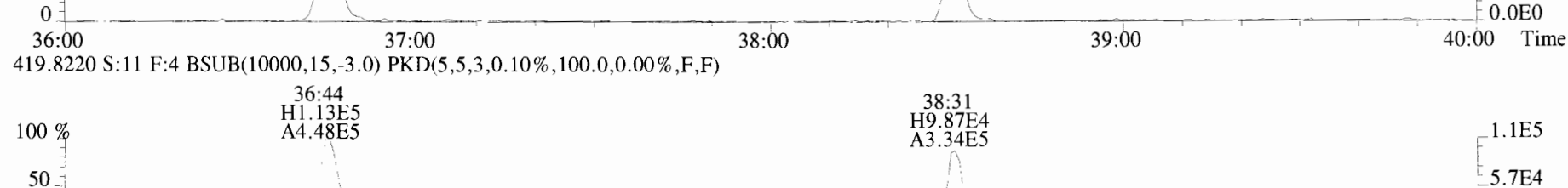
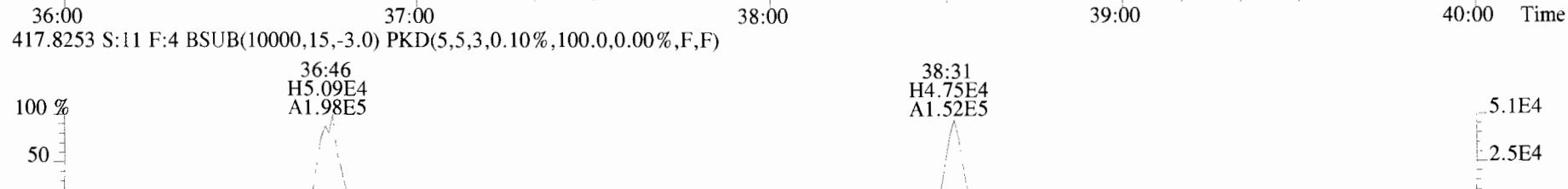
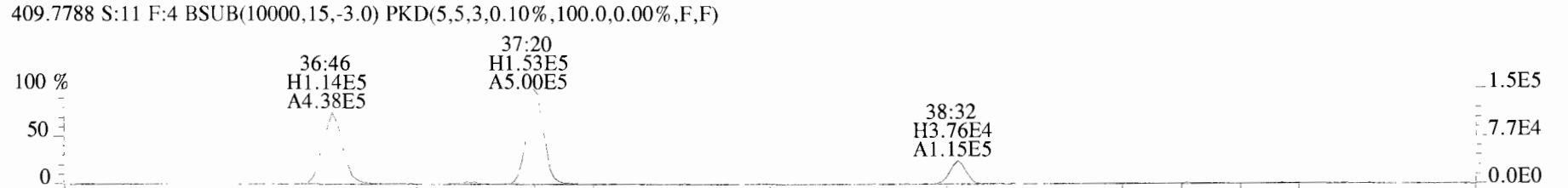
File:191029D1 #1-385 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
 373.8207 S:11 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



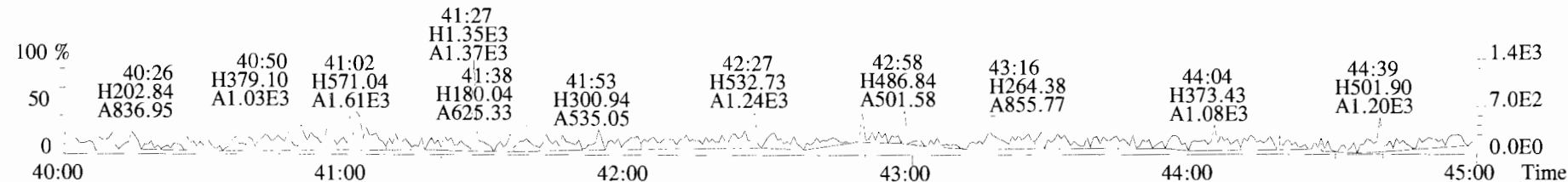
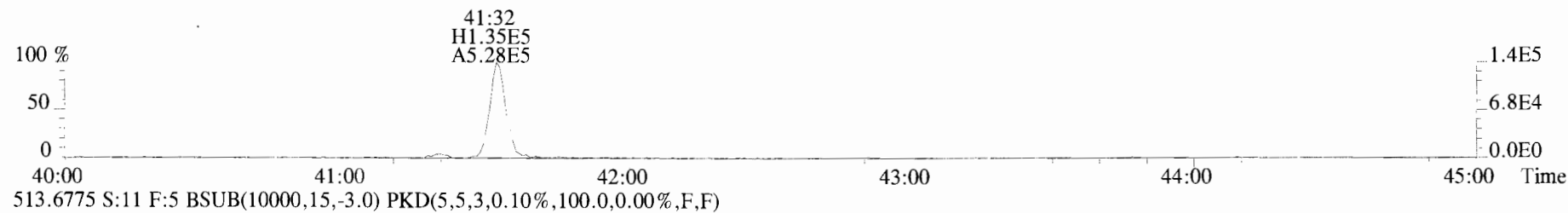
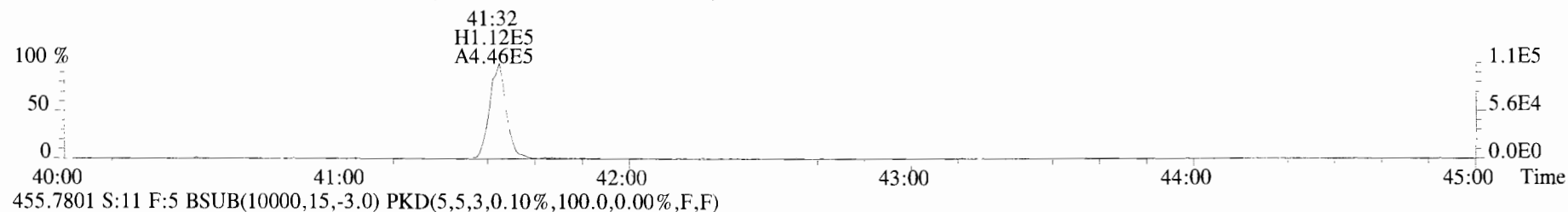
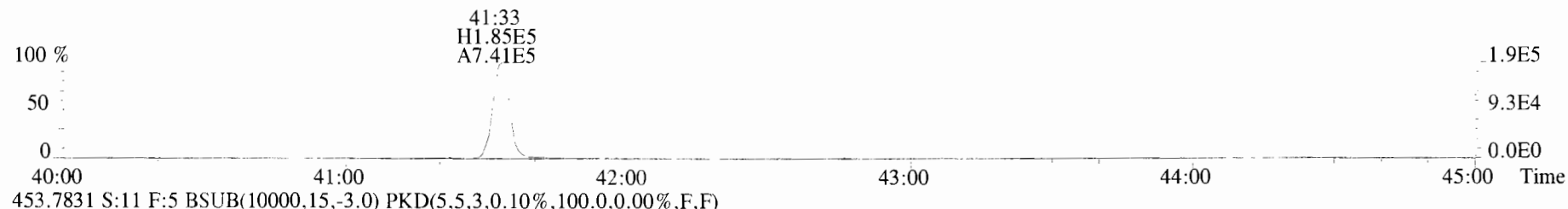
File:191029D1 #1-385 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata Analytical Laboratory VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
383.8639 S:11 F:3 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-355 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Viata Analytical Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_DF
 407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-432 Acq:29-OCT-2019 18:14:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-01@5X PDI-014SG-00-0.78-190923 1:5 10.1419 Exp:OCDD_Df
441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	3.60e+05	0.75 y	0.91	26:35	5.5506	*	2.5	*	*	Total Tetra-Dioxins	29.7	30.7	*	*	*
1,2,3,7,8-PeCDD	2.94e+05	0.58 y	0.90	30:56	5.6951	*	2.5	*	*	Total Penta-Dioxins	45.4	45.4	*	*	*
1,2,3,4,7,8-HxCDD	2.47e+05	1.22 y	1.10	34:18	5.9136	*	2.5	*	*	Total Hexa-Dioxins	339	339	*	*	*
1,2,3,6,7,8-HxCDD	9.96e+05	1.25 y	0.94	34:24	24.039	*	2.5	*	*	Total Hepta-Dioxins	2350	2350	*	*	*
1,2,3,7,8,9-HxCDD	4.40e+05	1.16 y	0.96	34:43	10.488	*	2.5	*	*	Total Tetra-Furans	493	493	*	*	*
1,2,3,4,6,7,8-HpCDD	2.29e+07	1.03 y	0.98	38:06	860.92	*	2.5	*	*	Total Penta-Furans	493.99	493.99	*	*	*
OCDD	6.58e+07	0.90 y	0.96	41:29	7746.0 <i>E</i>	*	2.5	*	*	Total Hexa-Furans	498	498	*	*	*
2,3,7,8-TCDF	1.03e+07	0.78 y	0.95	25:52	122.46 <i>(119.1)</i>	*	2.5	*	*	Total Hepta-Furans	458	458	*	*	*
1,2,3,7,8-PeCDF	1.07e+07	1.60 y	0.96	29:48	138.91	*	2.5	*	*						
2,3,4,7,8-PeCDF	3.99e+06	1.56 y	1.01	30:40	52.988	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	1.47e+07	1.22 y	1.18	33:22	239.76	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	3.95e+06	1.21 y	1.07	33:31	59.153	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	1.01e+06	1.17 y	1.11	34:08	18.284	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	4.43e+05	1.13 y	1.06	35:07	8.5843	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	6.20e+06	1.00 y	1.13	36:57	145.99	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	1.62e+06	1.02 y	1.28	38:41	45.492	*	2.5	*	*						
OCDF	6.79e+06	0.88 y	0.95	41:44	428.30	*	2.5	*	*						
IS	13C-2,3,7,8-TCDD	1.39e+07	0.80 y	1.10	26:34	161.44				Rec	Qual				
IS	13C-1,2,3,7,8-PeCDD	1.11e+07	0.62 y	0.88	30:56	160.02				83.3					
IS	13C-1,2,3,4,7,8-HxCDD	7.34e+06	1.26 y	0.64	34:17	143.86				82.5					
IS	13C-1,2,3,6,7,8-HxCDD	8.56e+06	1.25 y	0.86	34:24	125.85				74.2					
IS	13C-1,2,3,7,8,9-HxCDD	8.45e+06	1.26 y	0.81	34:43	131.86				64.9					
IS	13C-1,2,3,4,6,7,8-HpCDD	5.26e+06	1.05 y	0.65	38:06	101.13				68.0					
IS	13C-OCDD	3.44e+06	0.89 y	0.58	41:29	74.613				52.2					
IS	13C-2,3,7,8-TCDF	1.71e+07	0.80 y	1.03	25:51	153.01				19.2					
IS	13C-1,2,3,7,8-PeCDF	1.55e+07	1.53 y	0.85	29:48	168.01				78.9					
IS	13C-2,3,4,7,8-PeCDF	1.44e+07	1.60 y	0.85	30:40	157.47				86.7					
IS	13C-1,2,3,4,7,8-HxCDF	1.01e+07	0.51 y	0.83	33:22	153.22				81.2					
IS	13C-1,2,3,6,7,8-HxCDF	1.21e+07	0.53 y	1.03	33:30	147.38				79.0					
IS	13C-2,3,4,6,7,8-HxCDF	9.62e+06	0.51 y	0.95	34:08	126.98				76.0					
IS	13C-1,2,3,7,8,9-HxCDF	9.42e+06	0.52 y	0.83	35:07	143.18				65.5					
IS	13C-1,2,3,4,6,7,8-HpCDF	7.31e+06	0.45 y	0.76	36:57	121.39				73.8					
IS	13C-1,2,3,4,7,8,9-HpCDF	5.38e+06	0.43 y	0.58	38:41	116.57				62.6					
IS	13C-OCDF	6.49e+06	0.89 y	0.69	41:43	118.47				60.1					
C/Up	37C1-2,3,7,8-TCDD	6.03e+06		1.20	26:35	64.044				30.6					
RS/RT	13C-1,2,3,4-TCDD	1.52e+07	0.79 y	1.00	26:01	193.88									
RS	13C-1,2,3,4-TCDF	2.09e+07	0.81 y	1.00	24:41	193.88									
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.54e+07	0.53 y	1.00	33:48	193.88									

Integrations
 by *DB*
 Analyst: *DB*
 Date: 10/29/19

Reviewed
 by *HC*
 Analyst: *HC* *C7*
 Date: 10-31-19 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 15 File: 191011D2 S: 10 I: 1 F: 1
 Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 30.694

Unnamed Concentration: 25.143

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:24	2.491e+05	3.071e+05	0.81	y	5.561e+05	8.5713 ✓
23:44	9.121e+04	1.150e+05	0.79	y	2.062e+05	3.1788 ✓
24:07	3.147e+04	3.718e+04	0.85	y	6.866e+04	1.0582 ✓
24:48	1.184e+04	1.572e+04	0.75	y	2.756e+04	0.42472 ✓
25:00	6.272e+04	8.044e+04	0.78	y	1.432e+05	2.2065 ✓
25:10	8.858e+04	1.089e+05	0.81	y	1.975e+05	3.0443 ✓
25:20	2.009e+04	2.573e+04	0.78	y	4.581e+04	0.70610 ✓
25:33	1.234e+04	1.650e+04	0.75	y	2.884e+04	0.44449 ✓
25:42	2.274e+04	2.621e+04	0.87	y	4.895e+04	0.75443 ✓
26:00	1.513e+04	2.024e+04	0.75	y	3.536e+04	0.54505 ✓
26:20	9.065e+04	1.169e+05	0.78	y	2.076e+05	3.1989 ✓
26:35	1.547e+05	2.054e+05	0.75	y	3.601e+05	5.5506 ✓ 2,3,7,8-TCDD
26:51	3.761e+04	3.704e+04	1.02	n	6.557e+04	1.0105 ✓

Totals class: PeCDD EMPC

Entry #: 21

Run: 15 File: 191011D2 S: 10 J: 1 F: 2
 Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 45.381 Unnamed Concentration: 39.686

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:56	2.817e+05	4.545e+05	0.62	y	7.362e+05	14.266
29:22	6.738e+04	1.146e+05	0.59	y	1.820e+05	3.5270
29:48	1.290e+05	1.797e+05	0.72	y	3.086e+05	5.9812
29:57	7.724e+04	1.167e+05	0.66	y	1.940e+05	3.7592
30:03	4.879e+04	8.590e+04	0.57	y	1.347e+05	2.6100
30:15	1.048e+05	1.603e+05	0.65	y	2.651e+05	5.1376
30:32	3.125e+04	5.138e+04	0.61	y	8.263e+04	1.6014
30:56	1.076e+05	1.863e+05	0.58	y	2.939e+05	5.6951
31:01	2.795e+04	4.970e+04	0.56	y	7.765e+04	1.5048
31:18	2.388e+04	4.315e+04	0.55	y	6.703e+04	1.2990

1,2,3,7,8-PeCDD

Totals class: HxCDD EMPC

Entry #: 23

Run: 15 File: 191011D2 S: 10 I: 1 F: 3
 Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 338.57 Unnamed Concentration: 298.128

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:42	3.746e+06	3.051e+06	1.23	y	6.797e+06	163.69
33:17	3.742e+05	3.046e+05	1.23	y	6.788e+05	16.348
33:33	2.439e+06	1.991e+06	1.22	y	4.430e+06	106.69
33:41	1.343e+05	1.126e+05	1.19	y	2.469e+05	5.9468
34:18	1.356e+05	1.110e+05	1.22	y	2.466e+05	5.9136
34:24	5.533e+05	4.425e+05	1.25	y	9.958e+05	24.039
34:36	1.245e+05	1.019e+05	1.22	y	2.264e+05	5.4519
34:43	2.364e+05	2.031e+05	1.16	y	4.396e+05	10.488
						1,2,3,4,7,8-HxCDD
						1,2,3,6,7,8-HxCDD
						1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 15

File: 191011D2

S: 10 I: 1 F: 4

Acquired: 12-OCT-19 08:27:26

Processed: 14-OCT-19 10:39:22

Total Concentration: 2348.7

Unnamed Concentration: 1487.740

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
37:17	2.007e+07	1.943e+07	1.03 y	3.950e+07	1487.7
38:06	1.158e+07	1.128e+07	1.03 y	2.286e+07	860.92 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 15 File: 191011D2 S: 10 I: 1 F: 1
 Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 492.64 Unnamed Concentration: 370.186

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
21:25	2.114e+05	2.781e+05	0.76 y	4.896e+05	5.8451
21:59	1.502e+05	2.025e+05	0.74 y	3.528e+05	4.2119
22:34	1.380e+06	1.815e+06	0.76 y	3.194e+06	38.139
23:03	5.218e+05	6.741e+05	0.77 y	1.196e+06	14.278
23:24	1.558e+06	1.953e+06	0.80 y	3.510e+06	41.908
23:46	5.297e+05	6.556e+05	0.81 y	1.185e+06	14.151
23:53	7.446e+04	9.210e+04	0.81 y	1.666e+05	1.9886
24:02	2.485e+05	3.085e+05	0.81 y	5.570e+05	6.6495
24:22	4.056e+04	5.633e+04	0.72 y	9.688e+04	1.1567
24:28	8.444e+04	1.094e+05	0.77 y	1.938e+05	2.3138
24:41	2.628e+06	3.360e+06	0.78 y	5.988e+06	71.490
25:06	3.807e+06	4.890e+06	0.78 y	8.697e+06	103.84
25:20	1.873e+05	2.493e+05	0.75 y	4.366e+05	5.2124
25:29	1.320e+05	1.531e+05	0.86 y	2.851e+05	3.4039
25:46	1.175e+06	1.476e+06	0.80 y	2.652e+06	31.658
25:52	4.500e+06	5.757e+06	0.78 y	1.026e+07	122.46
26:10	3.200e+05	3.884e+05	0.82 y	7.084e+05	8.4570
26:23	7.095e+04	8.114e+04	0.87 y	1.521e+05	1.8158
27:33	5.187e+05	6.262e+05	0.83 y	1.145e+06	13.670

2,3,7,8-TCDF

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 15 File: 191011D2 S: 10 I: 1 F: 1
Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 40.483 Unnamed Concentration: 40.483

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:31*	1.877e+06	1.204e+06	1.56 y	3.081e+06	40.483

Totals class: PeCDF EMPC

Entry #: 31

Run: 15 File: 191011D2 S: 10 I: 1 F: 2
Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 453.51 Unnamed Concentration: 261.608

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:54	5.394e+06	3.410e+06	1.58	y	8.804e+06	115.67
29:25	2.247e+06	1.384e+06	1.62	y	3.631e+06	47.701
29:38	1.127e+06	6.975e+05	1.62	y	1.824e+06	23.970
29:48	6.555e+06	4.104e+06	1.60	y	1.066e+07	138.91 1,2,3,7,8-PeCDF
30:02	2.139e+06	1.363e+06	1.57	y	3.502e+06	46.006
30:35	5.779e+04	3.303e+04	1.75	y	9.082e+04	1.1932
30:40	2.433e+06	1.560e+06	1.56	y	3.993e+06	52.988 2,3,4,7,8-PeCDF
30:44	1.102e+06	6.444e+05	1.71	y	1.746e+06	22.941
31:32	1.886e+05	1.251e+05	1.51	y	3.137e+05	4.1213

Totals class: HxCDF EMPC

Entry #: 33

Run: 15 File: 191011D2 S: 10 I: 1 F: 3
 Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 498.48

Unnamed Concentration: 172.700

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
32:09	6.730e+05	5.701e+05	1.18 y	1.243e+06	21.164
32:19	1.785e+06	1.517e+06	1.18 y	3.302e+06	56.223
32:41	4.245e+04	3.789e+04	1.12 y	8.034e+04	1.3678
32:54	2.388e+06	1.886e+06	1.27 y	4.274e+06	72.768
33:16	7.569e+04	6.680e+04	1.13 y	1.425e+05	2.4260
33:22	8.098e+06	6.640e+06	1.22 y	1.474e+07	239.76
33:31	2.167e+06	1.784e+06	1.21 y	3.952e+06	1,2,3,4,7,8-HxCDF
33:48	6.453e+04	5.198e+04	1.24 y	1.165e+05	1,2,3,6,7,8-HxCDF
34:08	5.438e+05	4.665e+05	1.17 y	1.010e+06	18.284
35:07	2.353e+05	2.074e+05	1.13 y	4.427e+05	2,3,4,6,7,8-HxCDF
35:11	5.437e+05	4.411e+05	1.23 y	9.848e+05	8.5843
					1,2,3,7,8,9-HxCDF
					16.767

Totals class: HpCDF EMPC

Entry #: 35

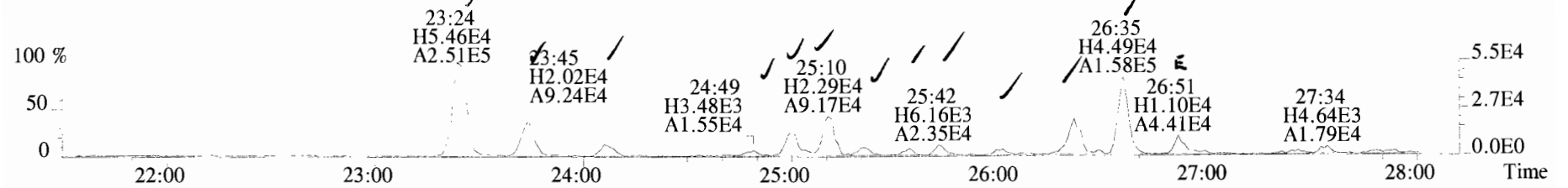
Run: 15 File: 191011D2 S: 10 I: 1 F: 4
Acquired: 12-OCT-19 08:27:26 Processed: 14-OCT-19 10:39:22

Total Concentration: 458.48

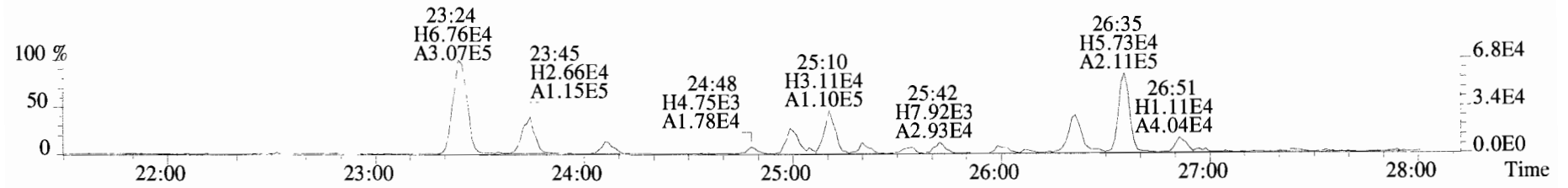
Unnamed Concentration: 266.999

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name	
36:57	3.098e+06	3.107e+06	1.00 y	6.204e+06	145.99	1,2,3,4,6,7,8-HpCDF
37:18	8.240e+04	8.550e+04	0.96 y	1.679e+05	4.2970	
37:28	5.128e+06	5.136e+06	1.00 y	1.026e+07	262.70	
38:41	8.156e+05	8.016e+05	1.02 y	1.617e+06	45.492	1,2,3,4,7,8,9-HpCDF

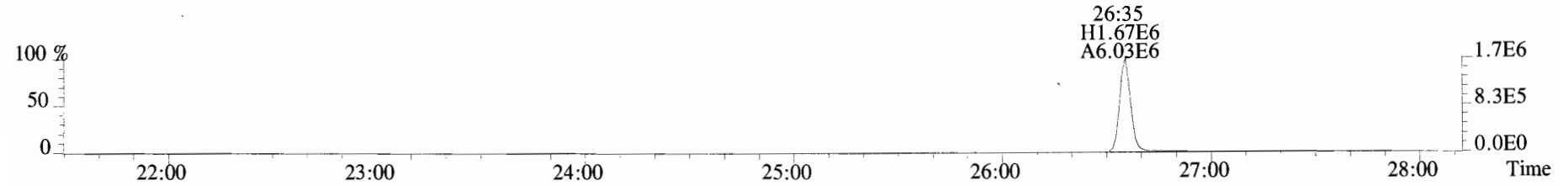
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
319.8965 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



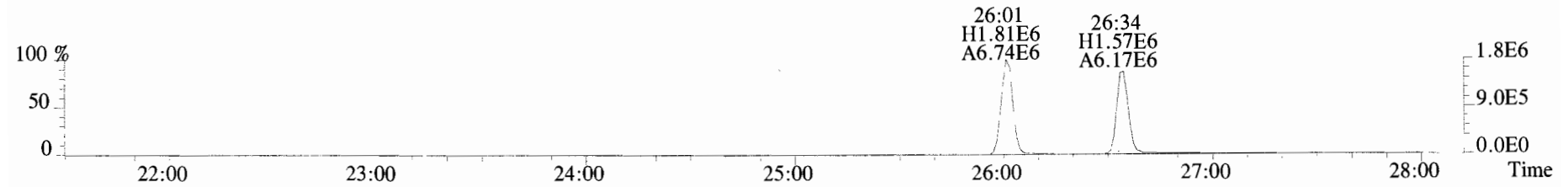
321.8936 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



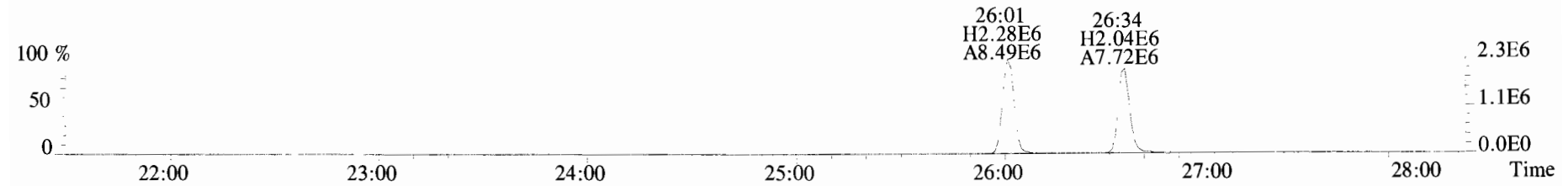
327.8847 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



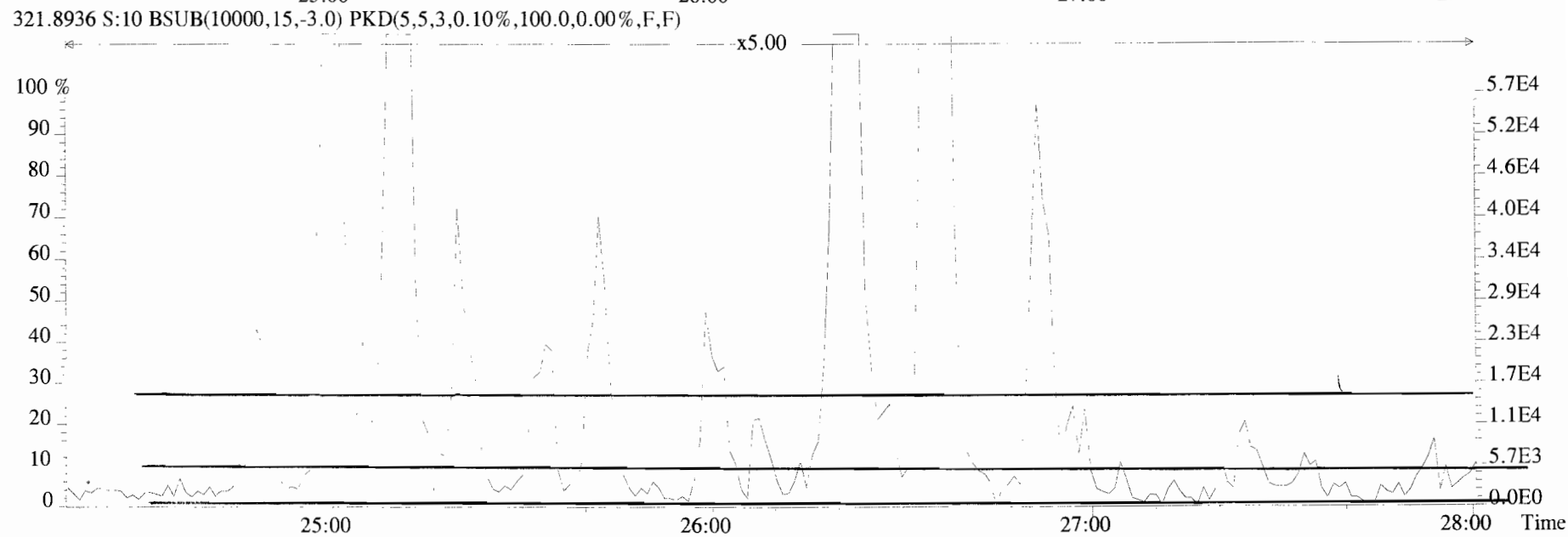
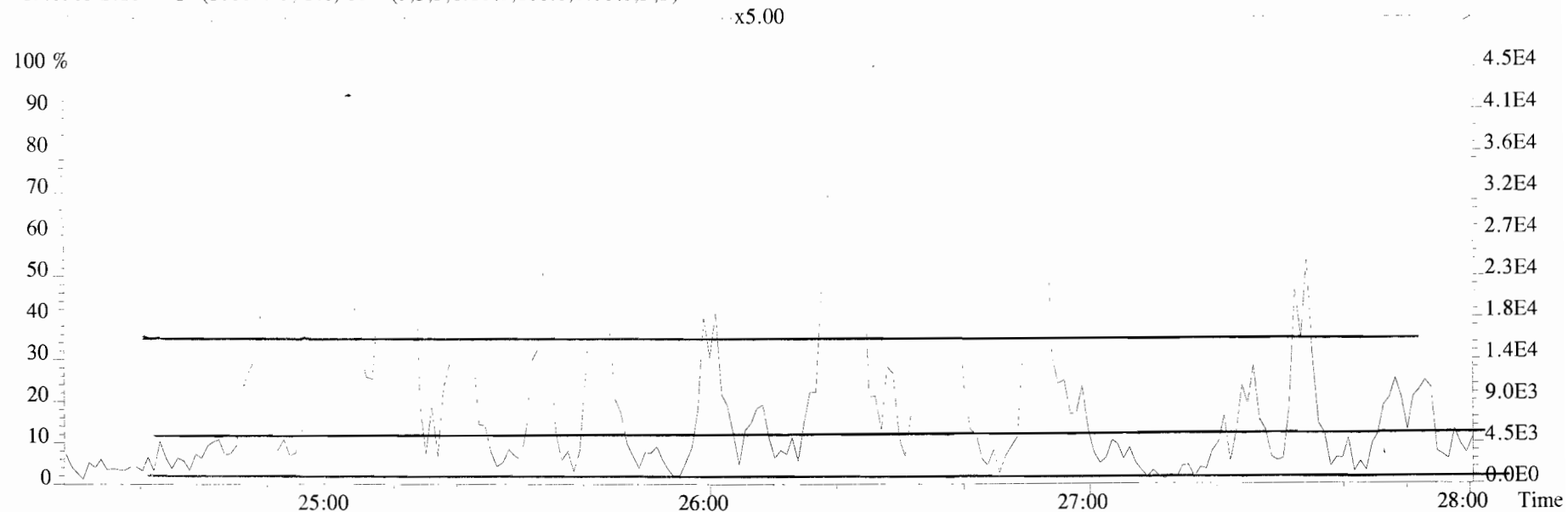
331.9368 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



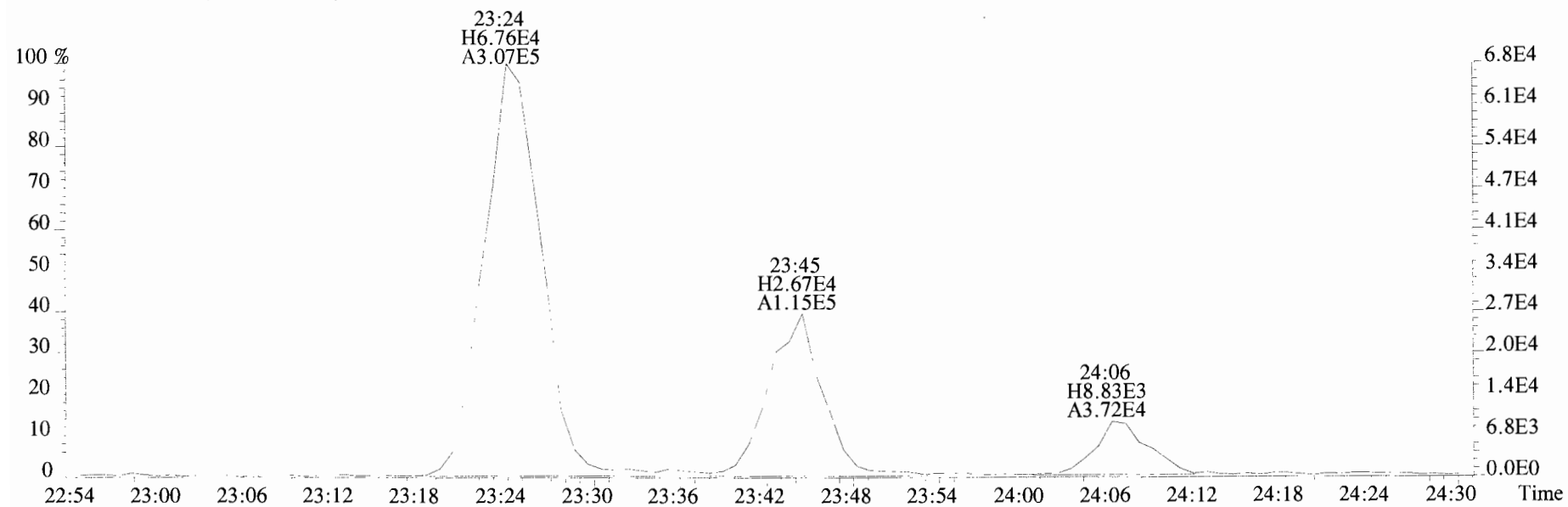
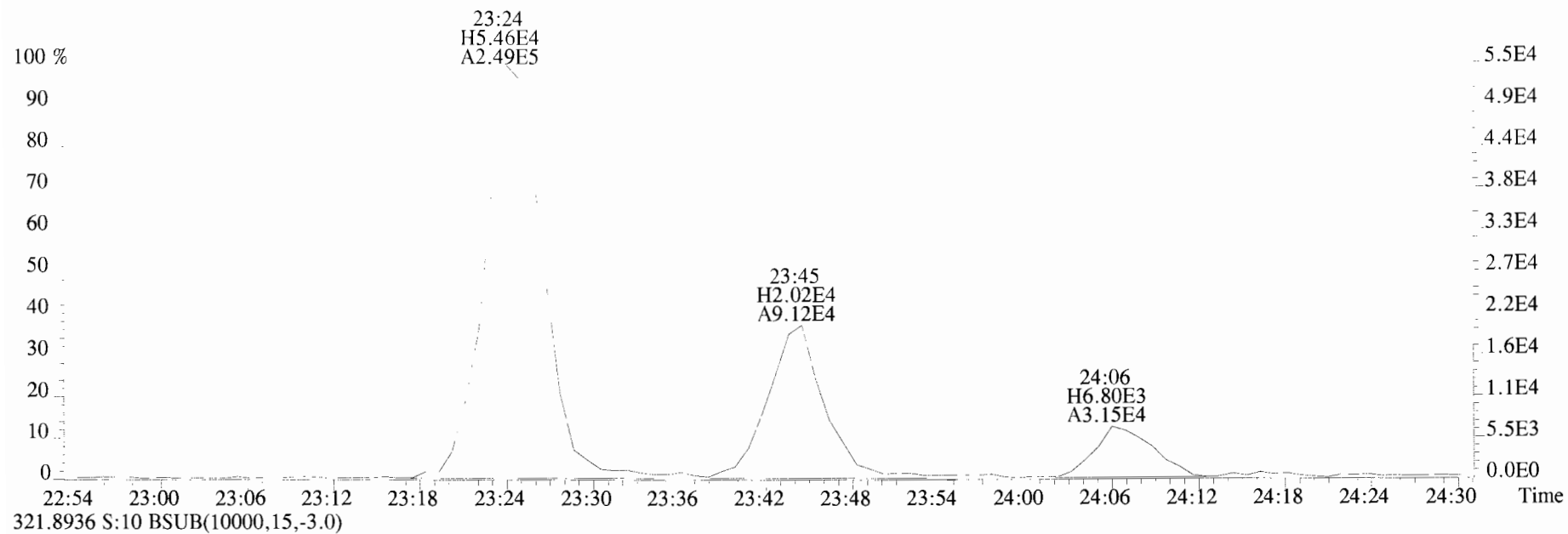
333.9339 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



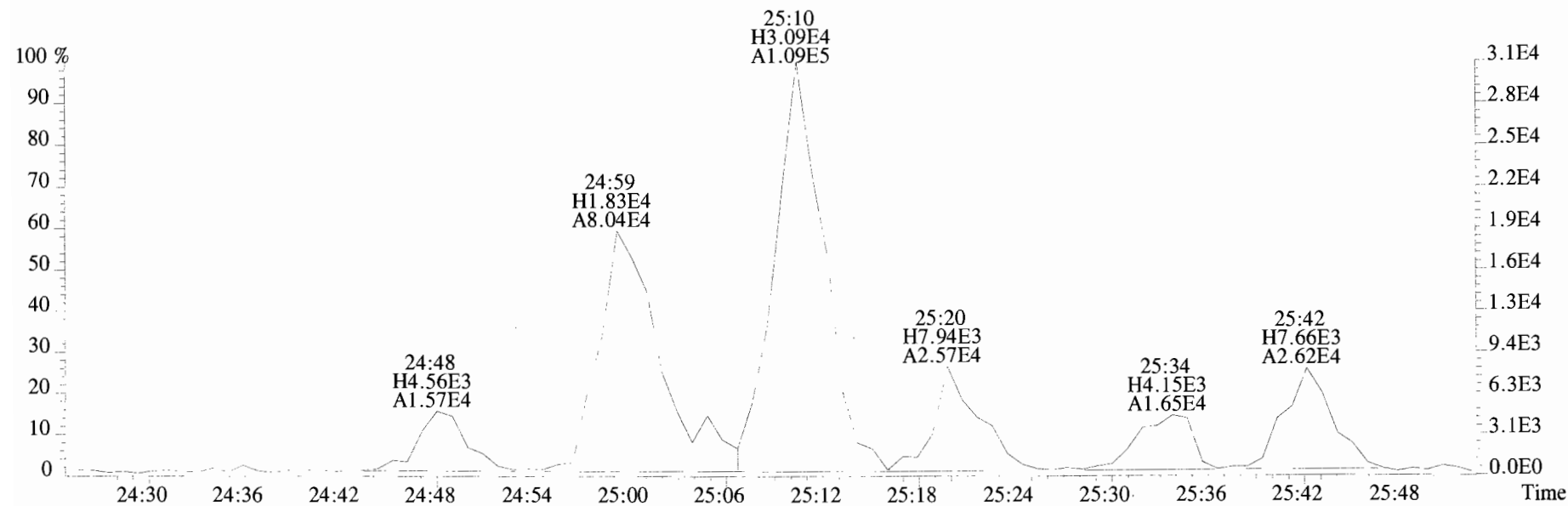
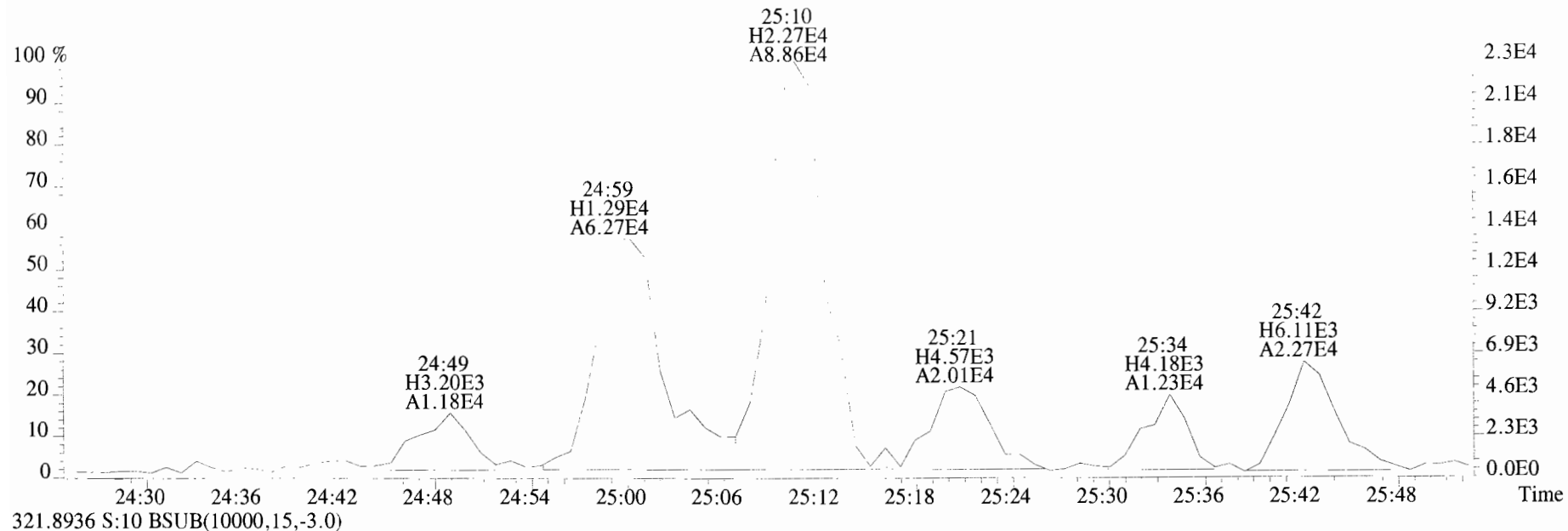
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Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
319.8965 S:10 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



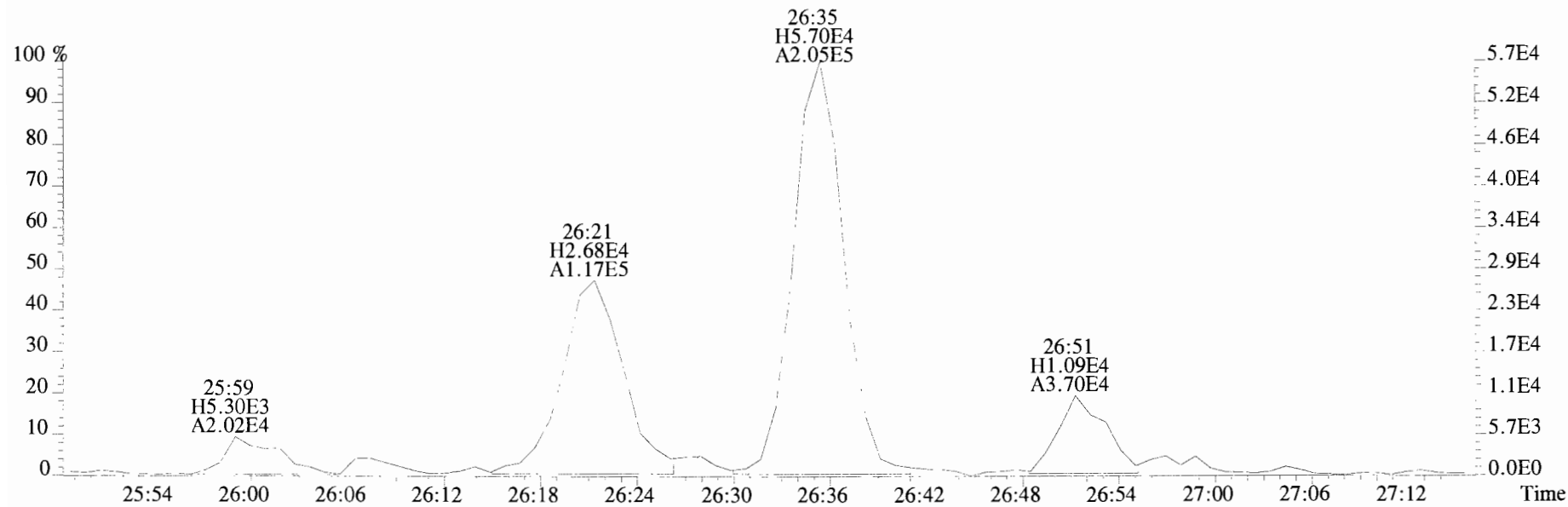
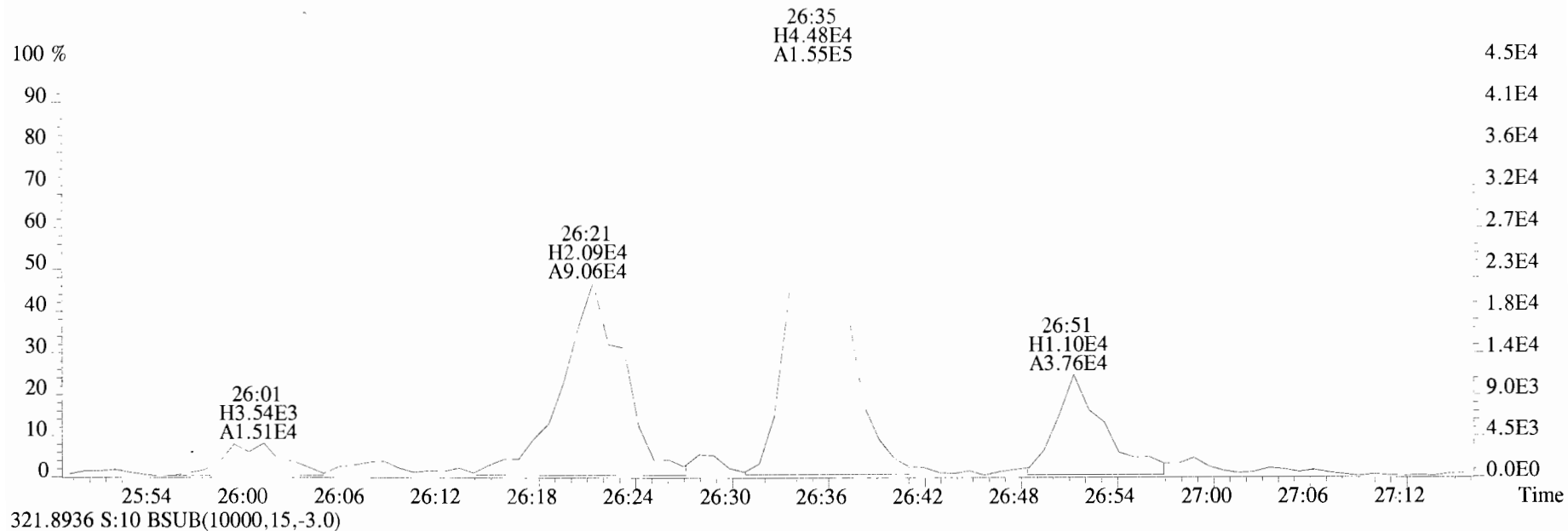
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Sample#10 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
319.8965 S:10 BSUB(10000,15,-3.0)



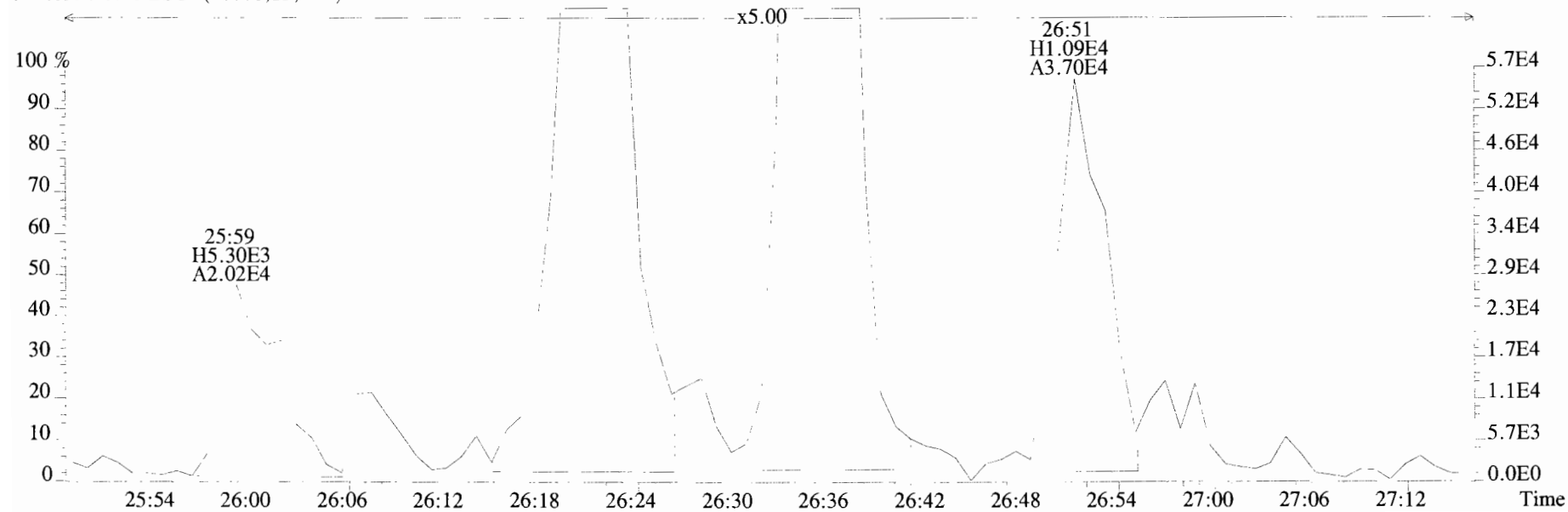
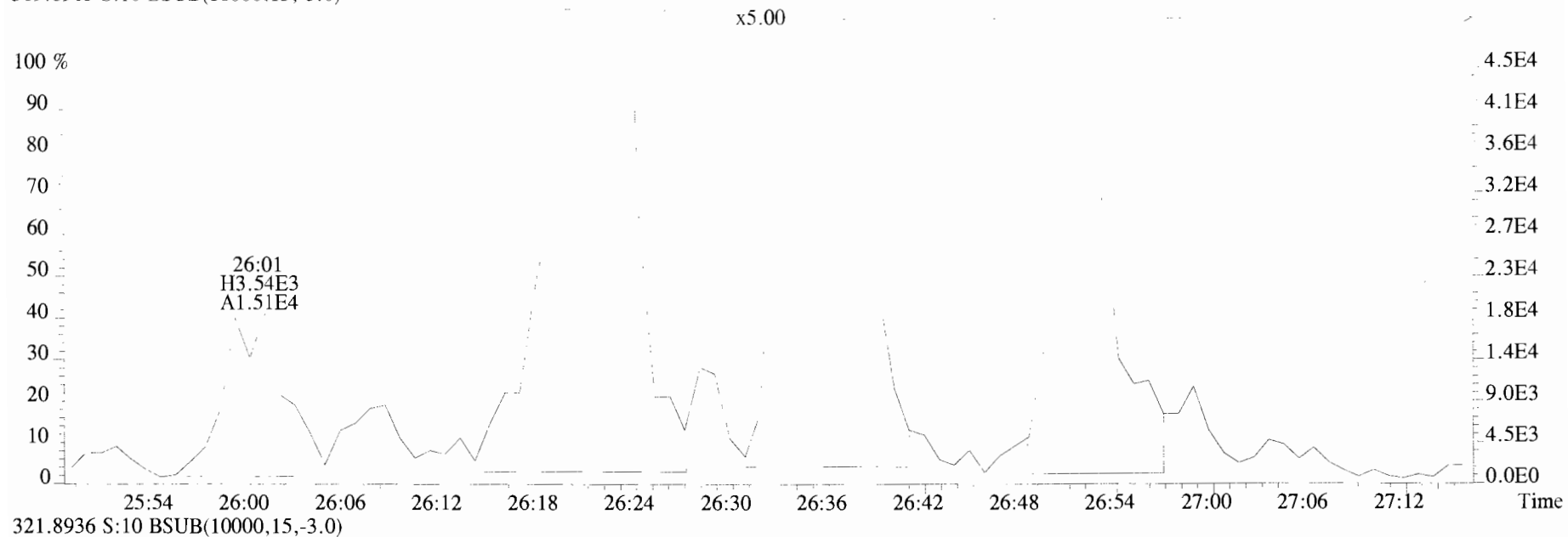
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
319.8965 S:10 BSUB(10000,15,-3.0)



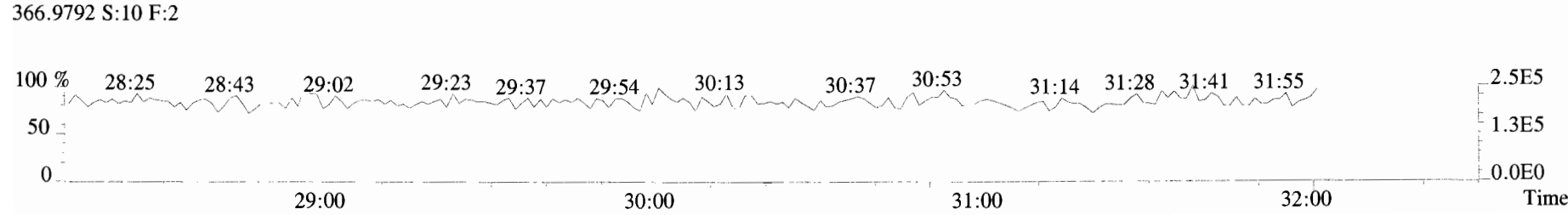
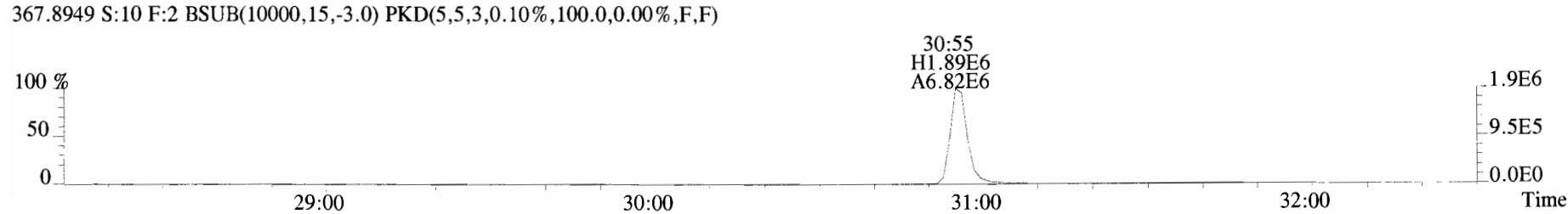
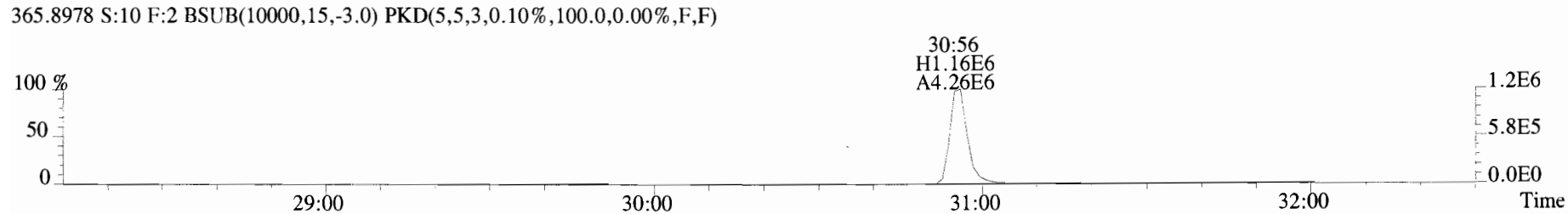
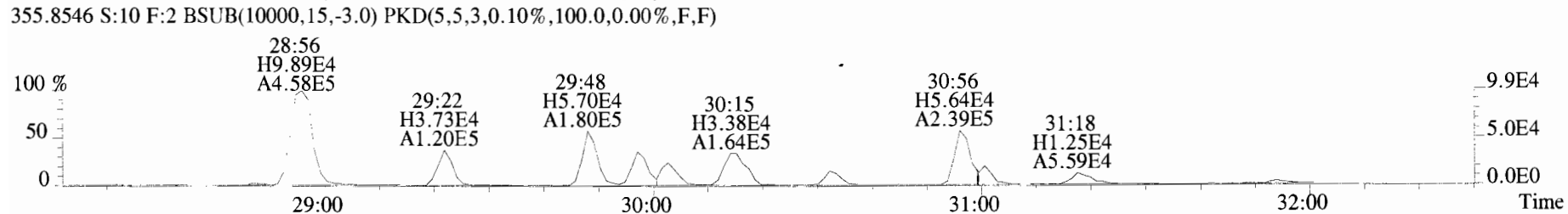
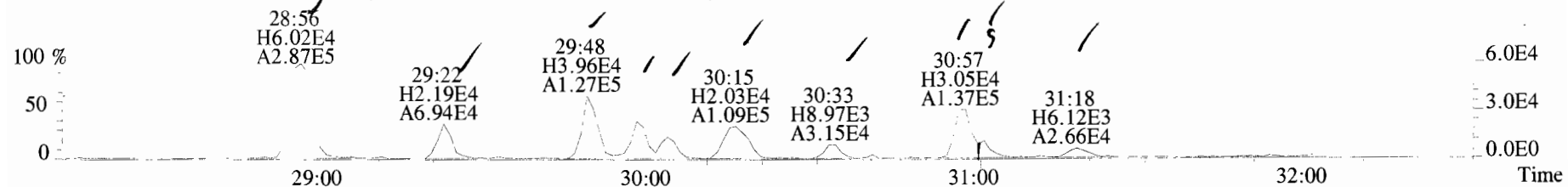
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
319.8965 S:10 BSUB(10000,15,-3.0)



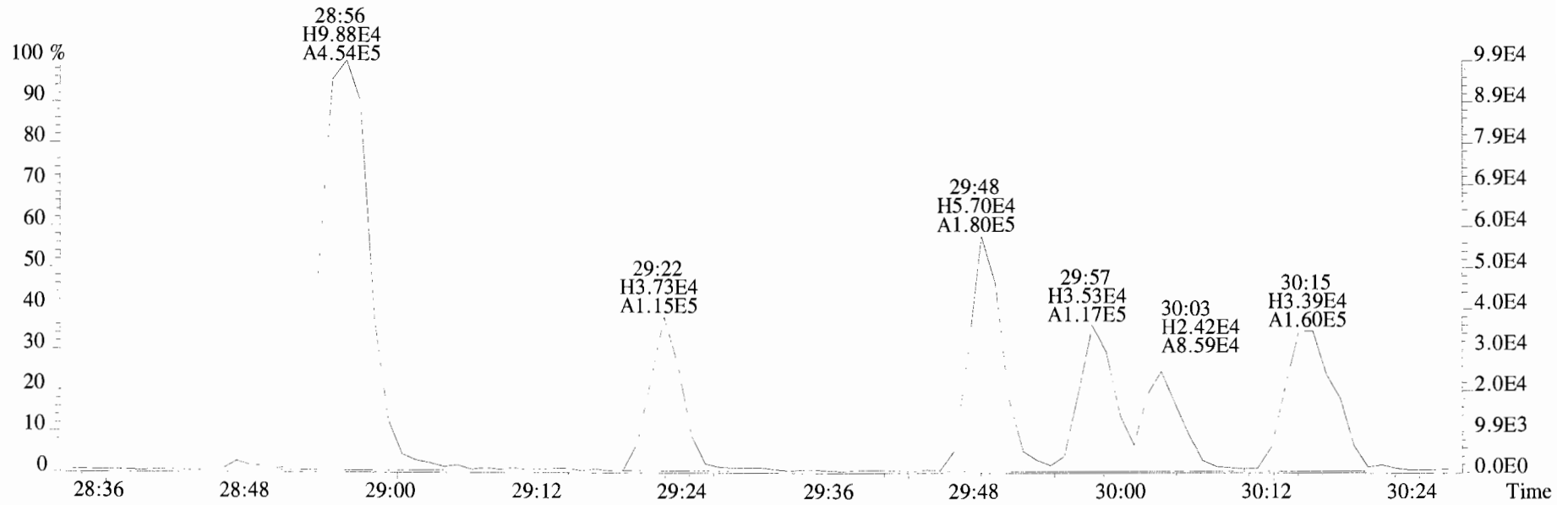
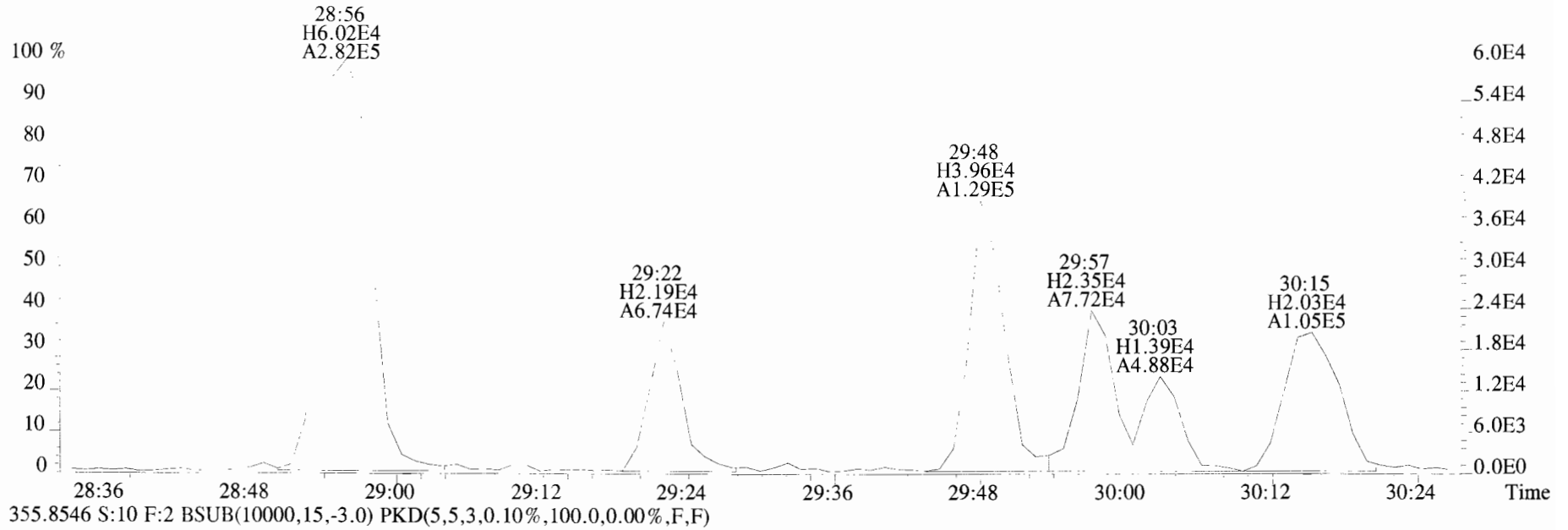
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
319.8965 S:10 BSUB(10000.15,-3.0)



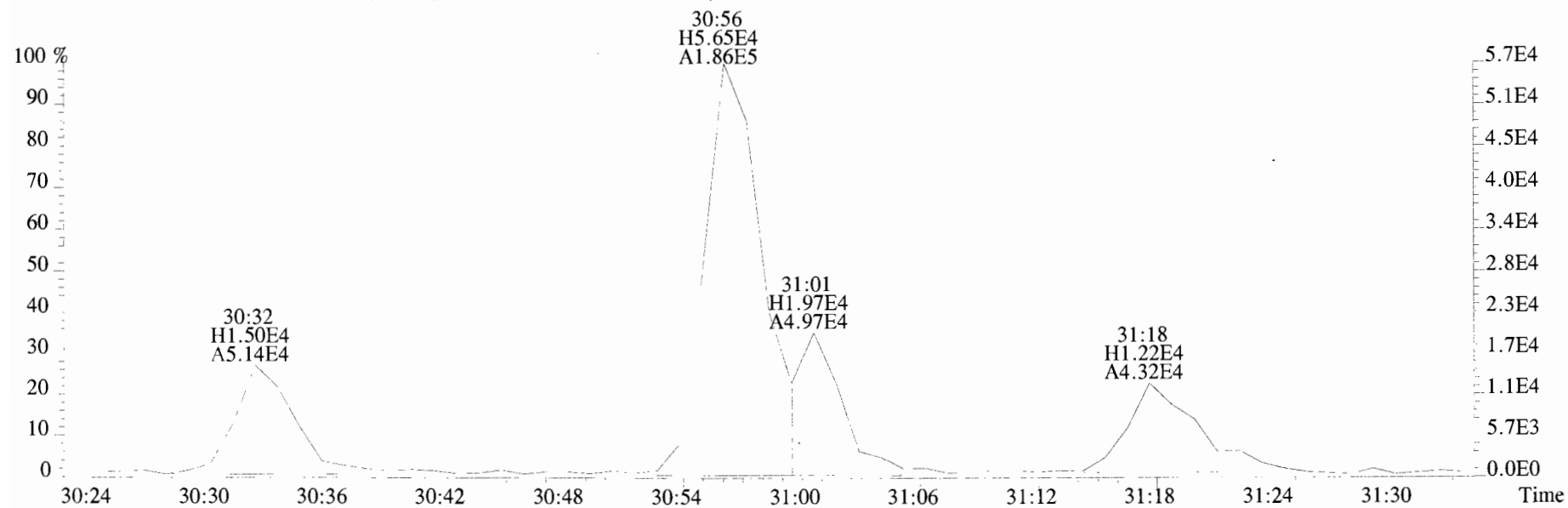
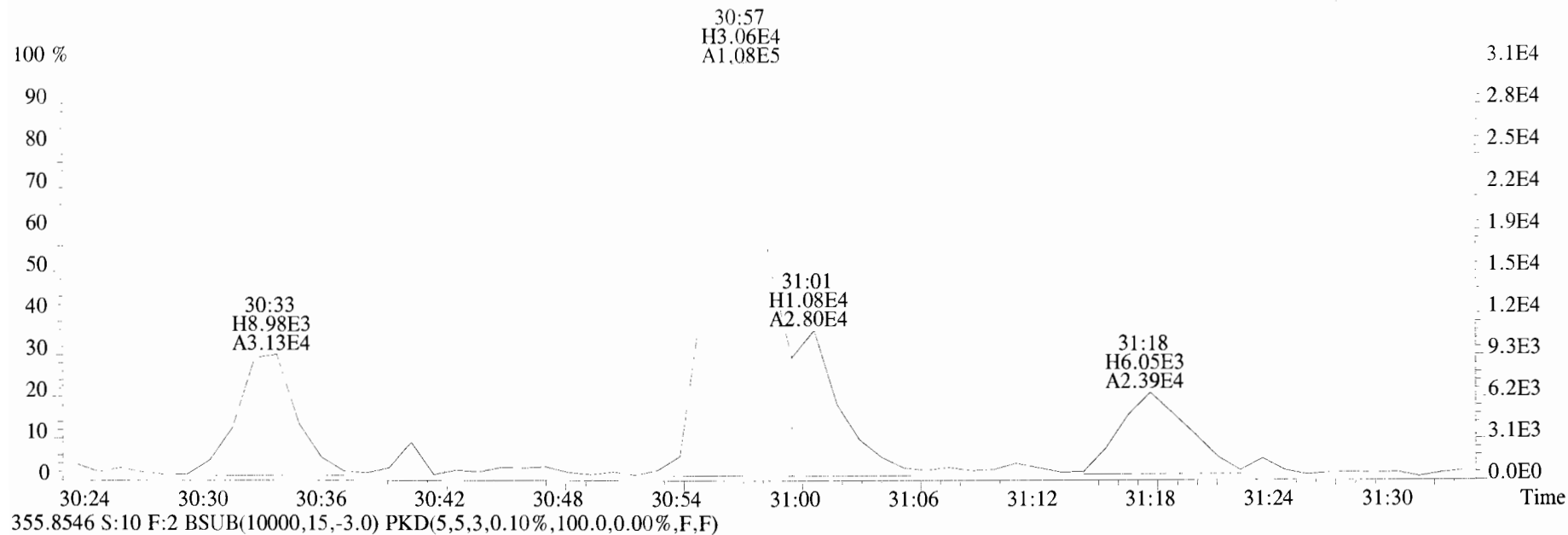
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 353.8576 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



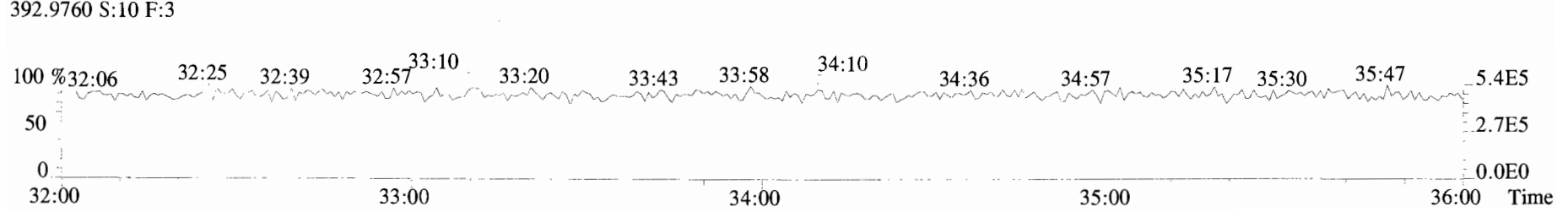
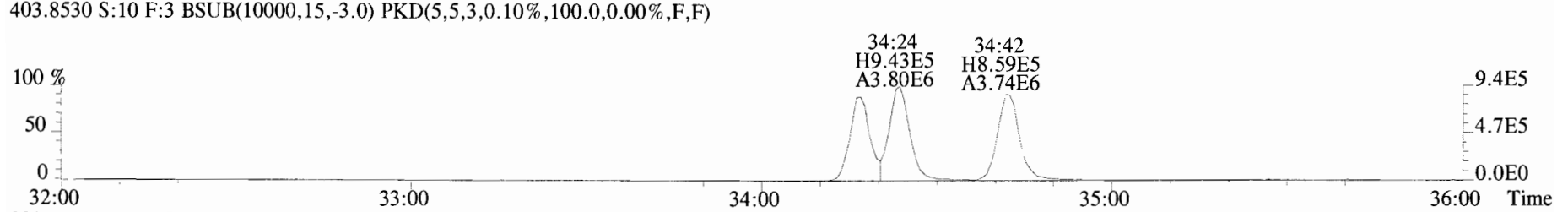
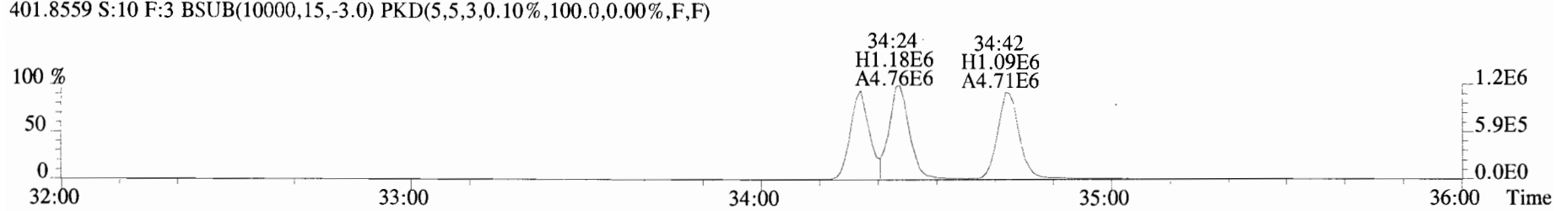
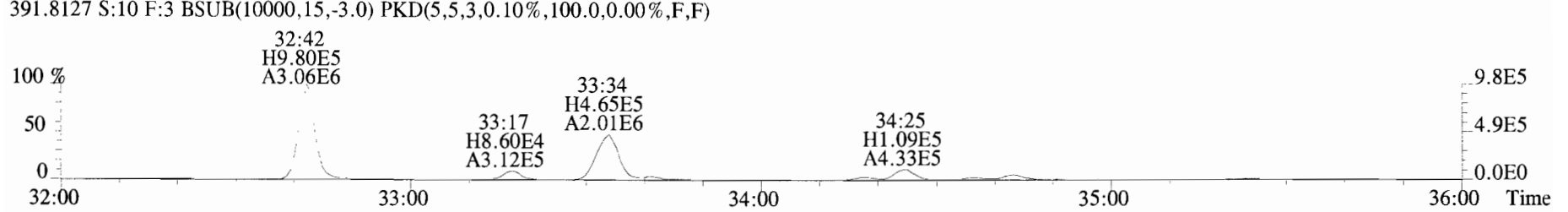
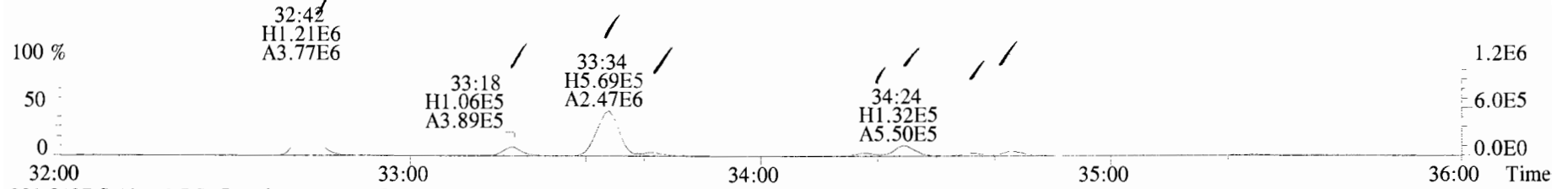
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 353.8576 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



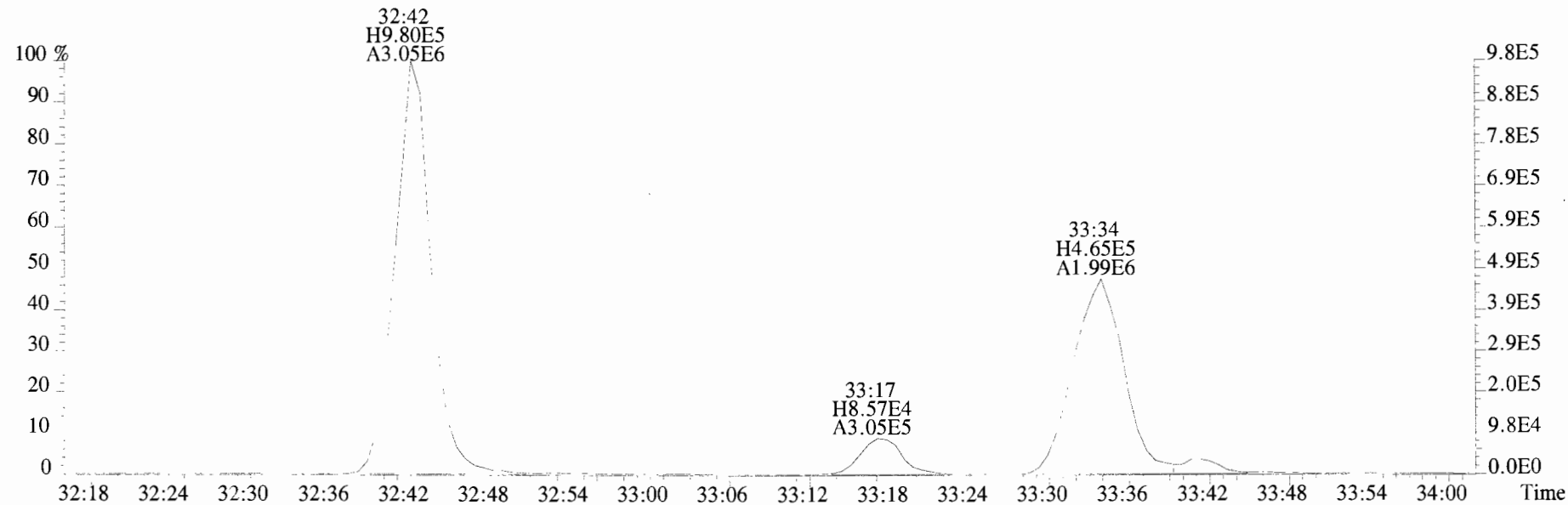
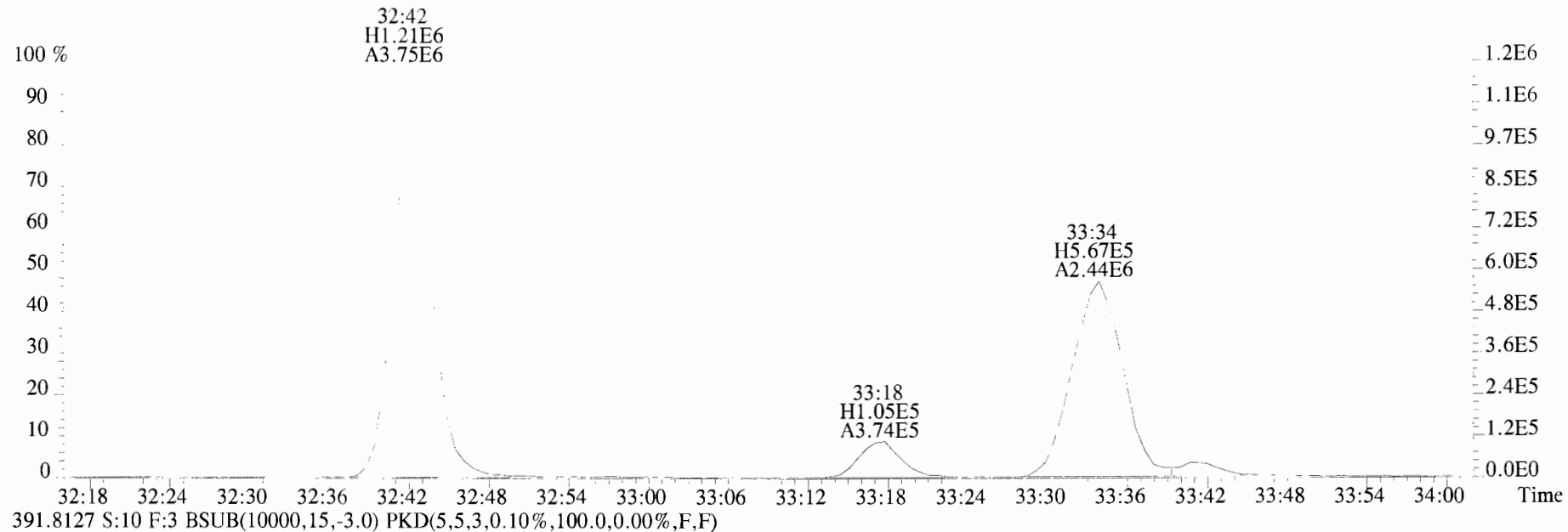
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-I014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 353.8576 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



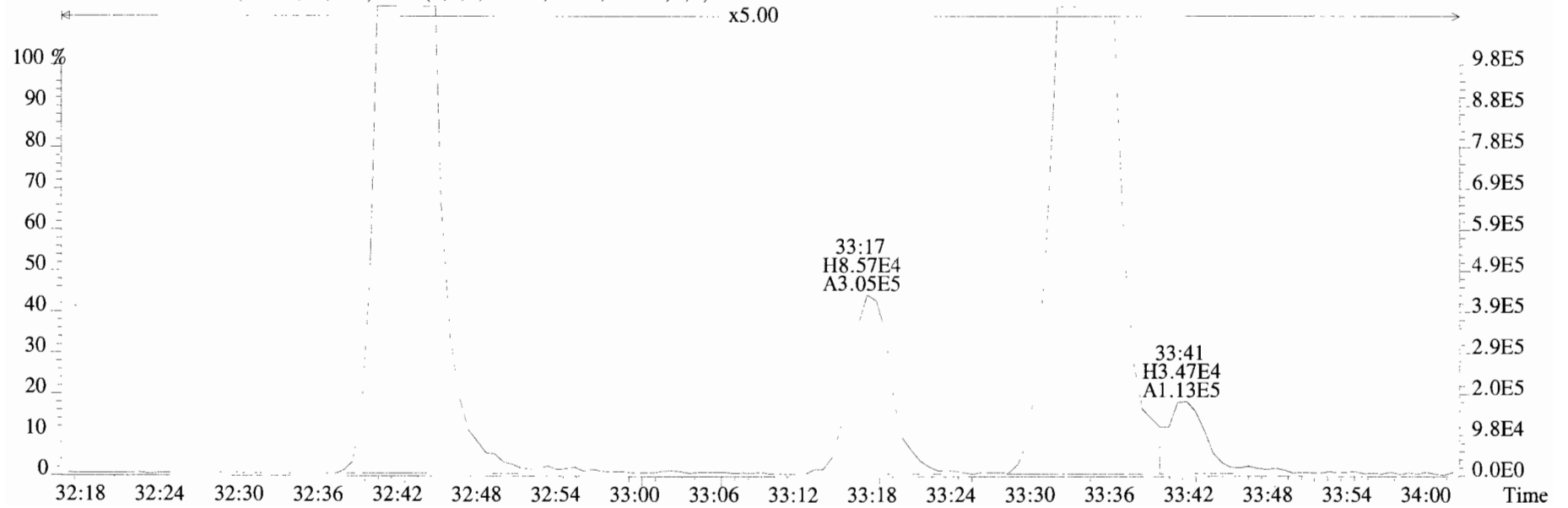
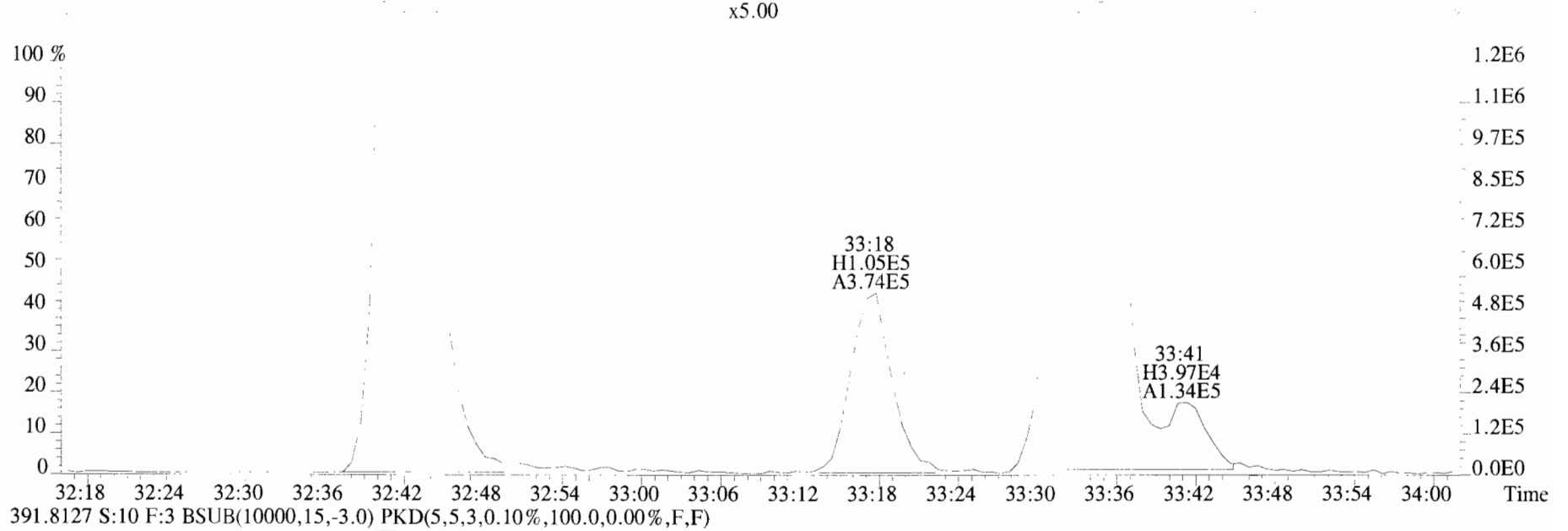
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



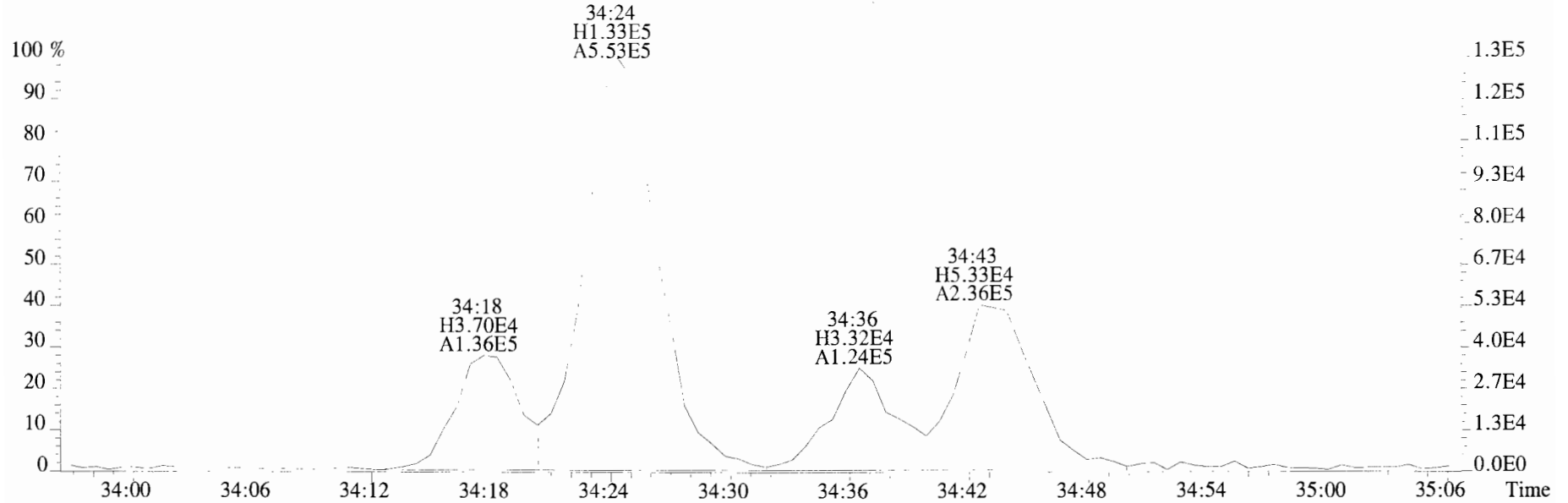
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



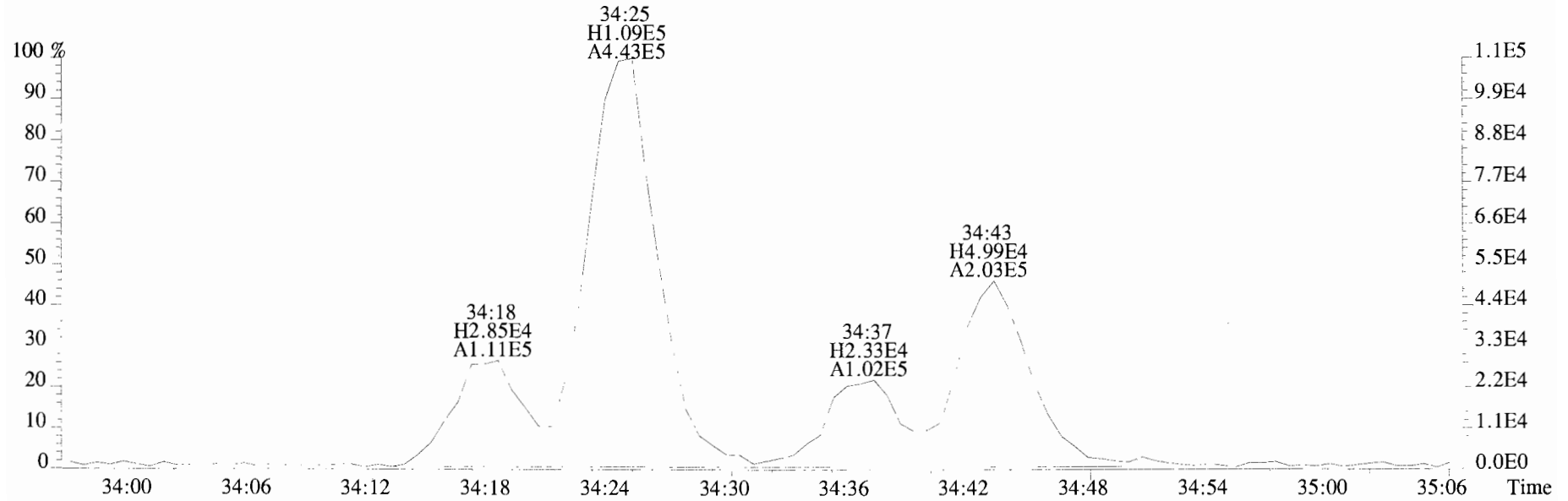
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



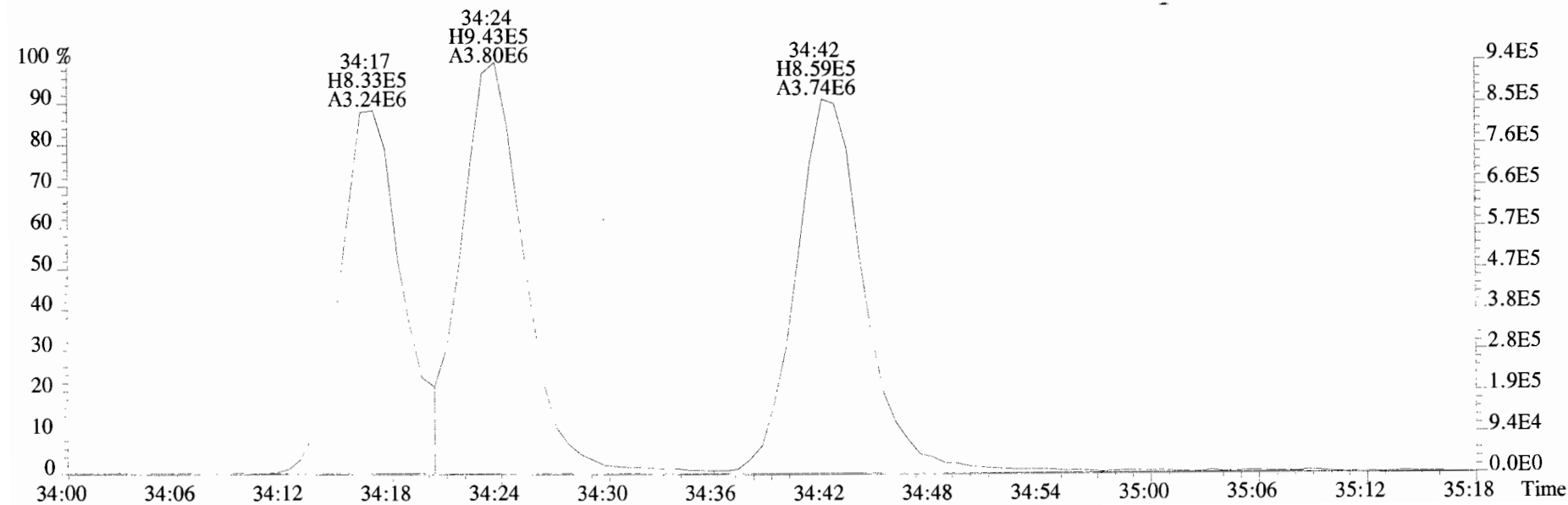
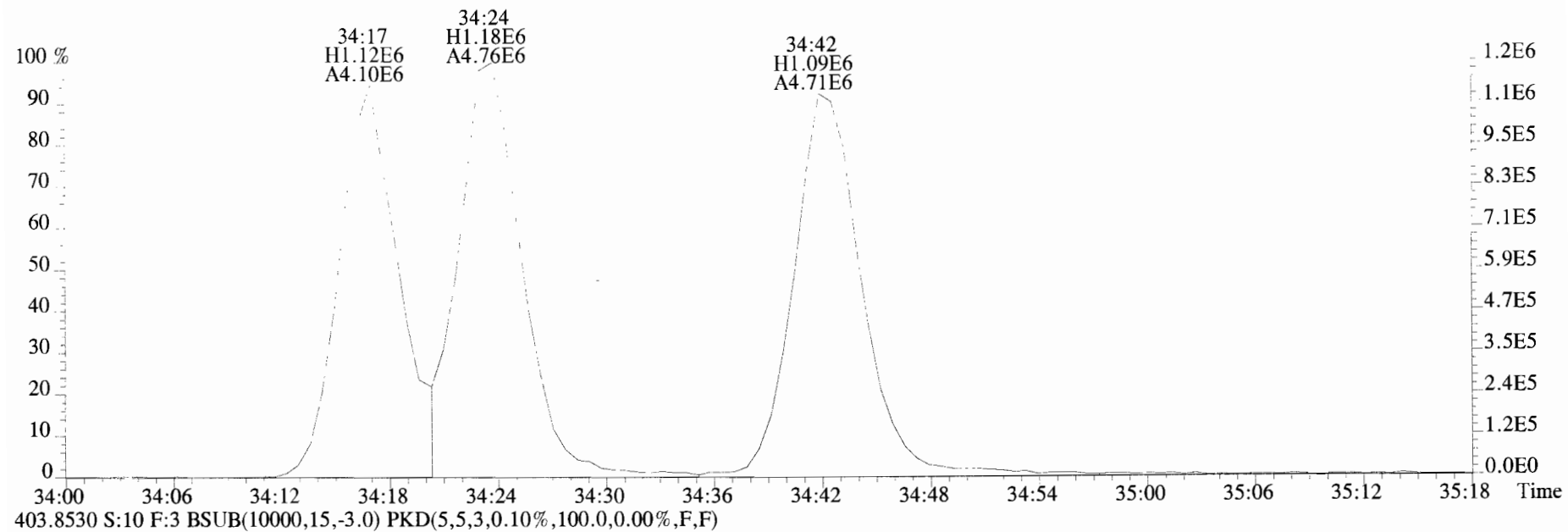
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
389.8156 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



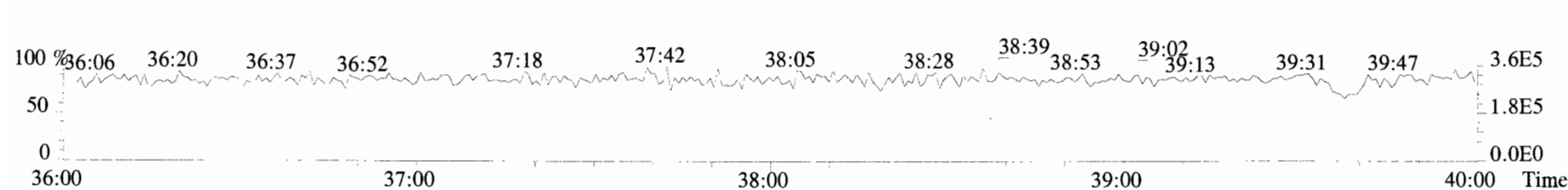
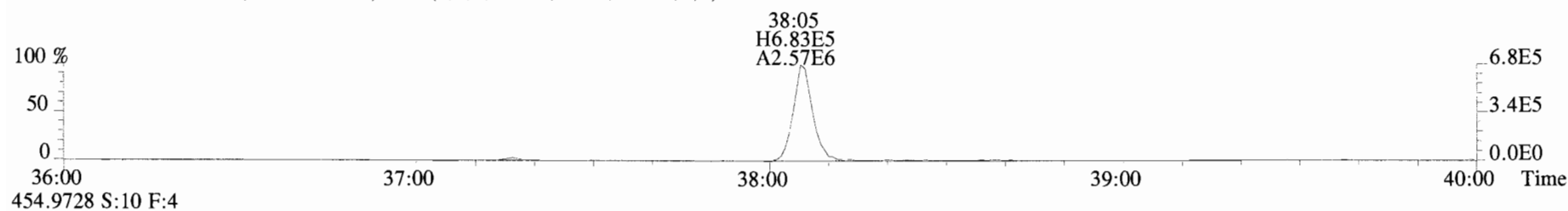
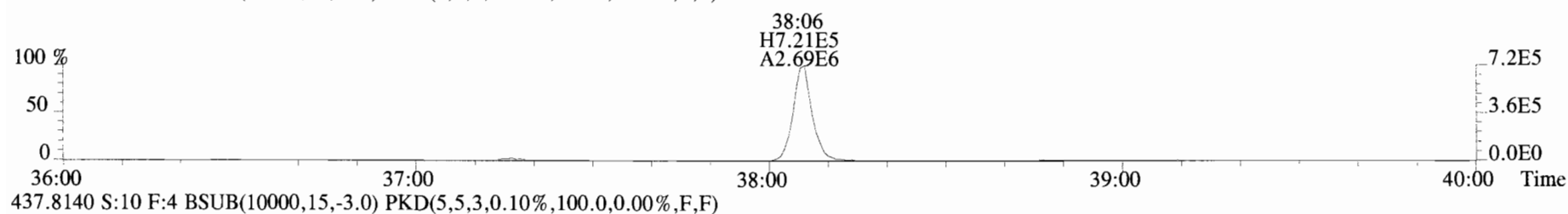
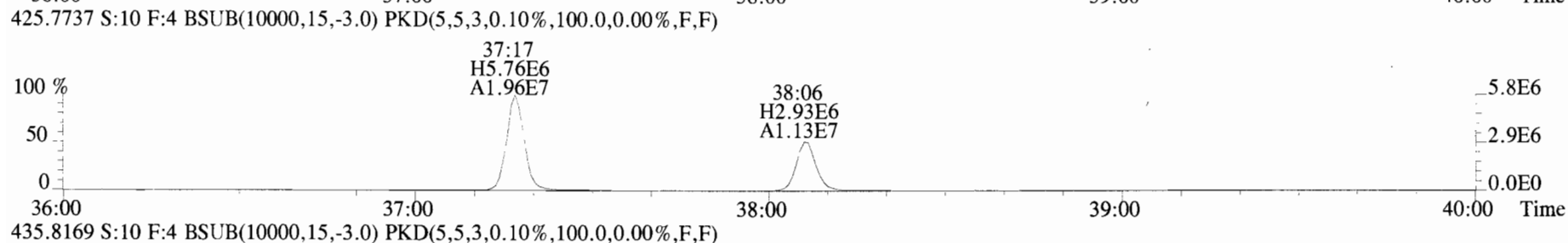
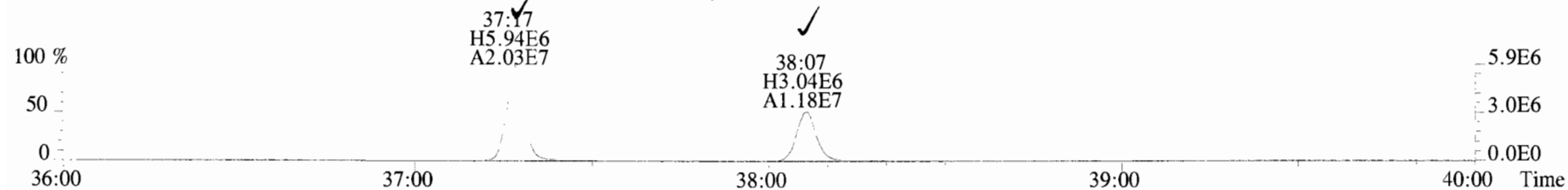
391.8127 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



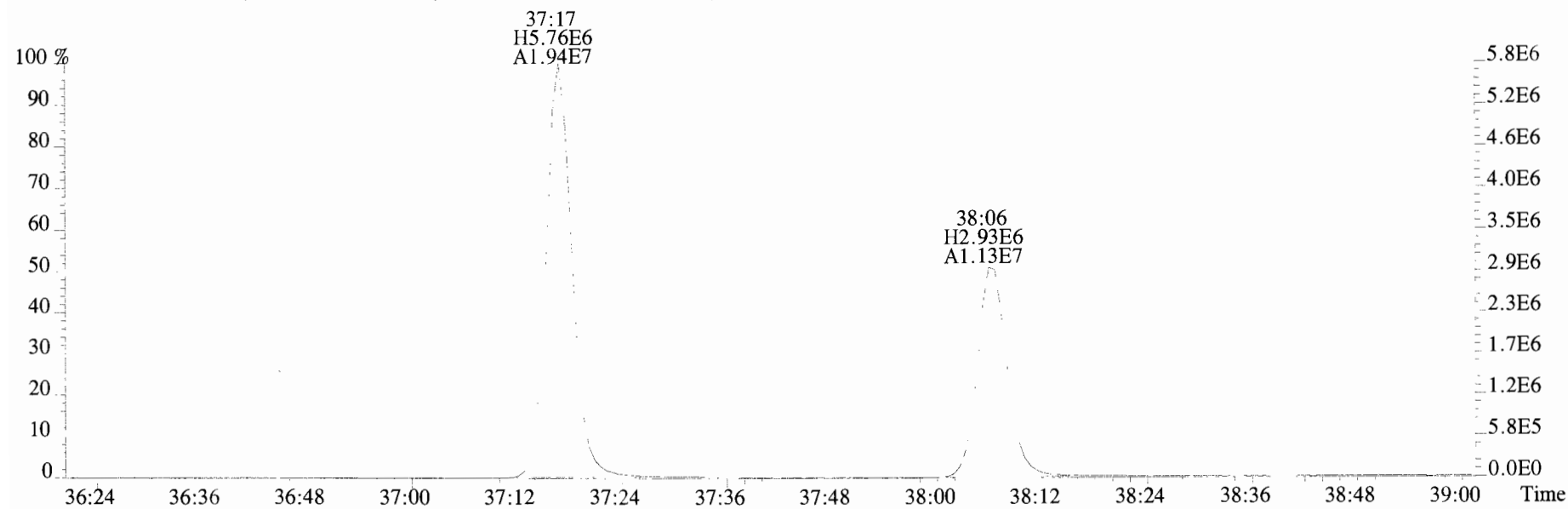
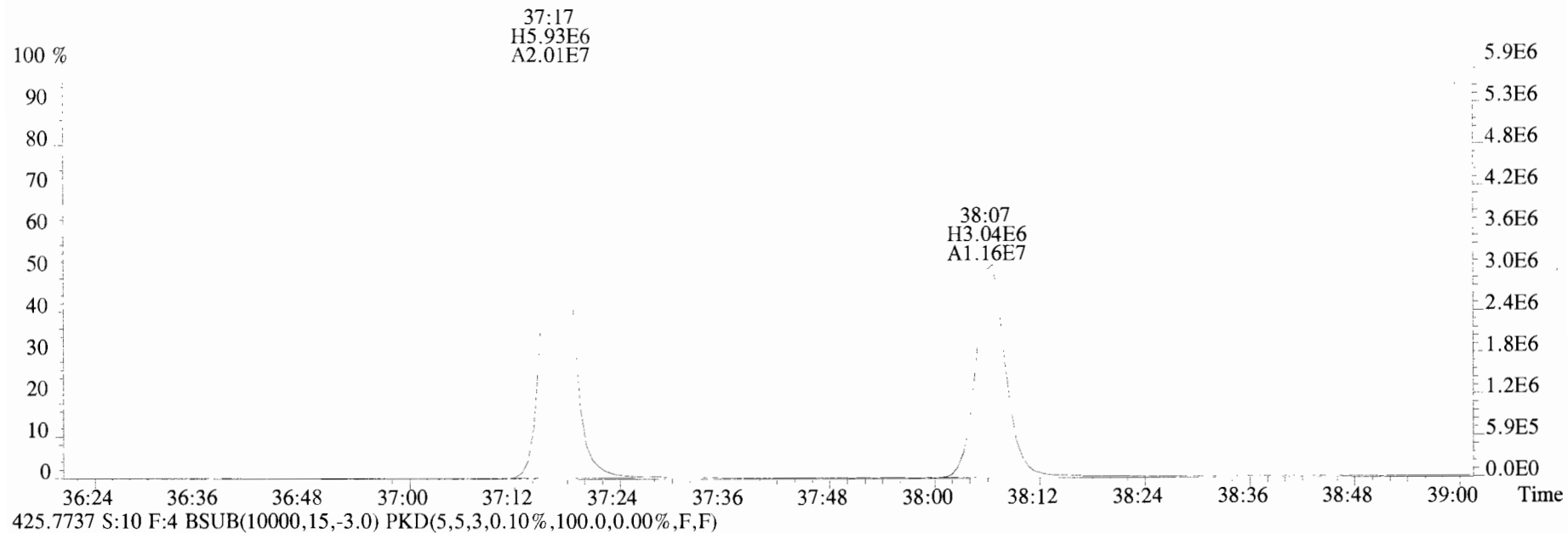
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
401.8559 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



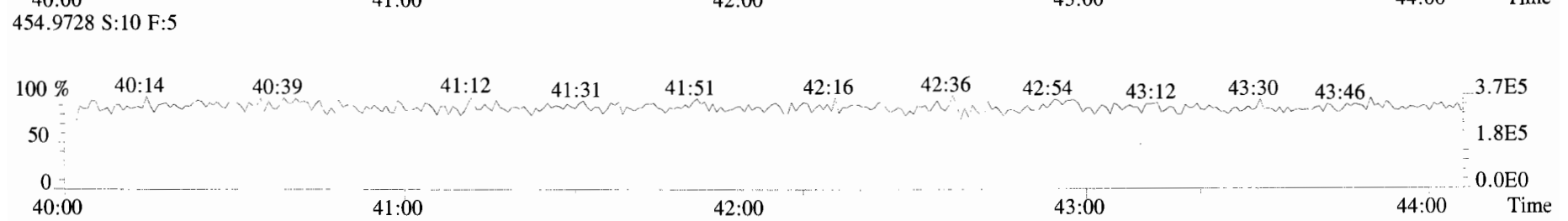
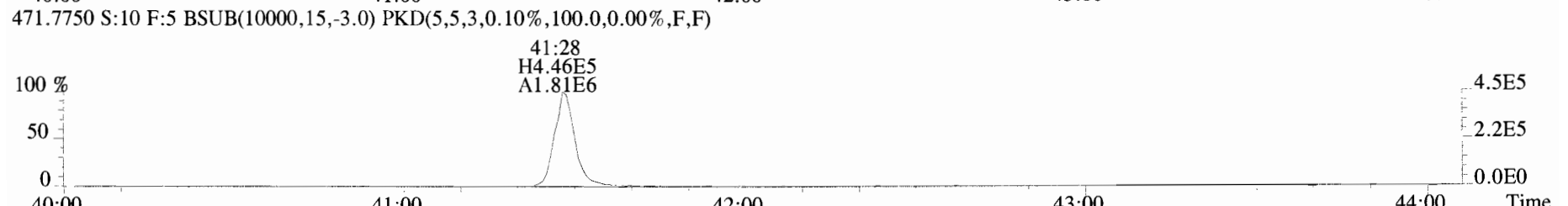
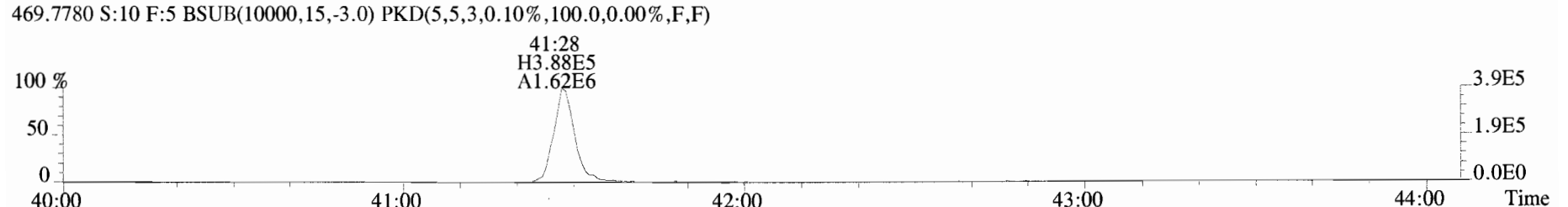
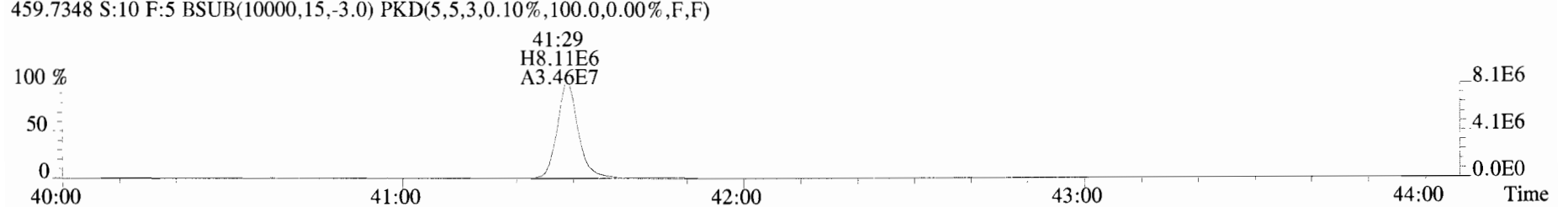
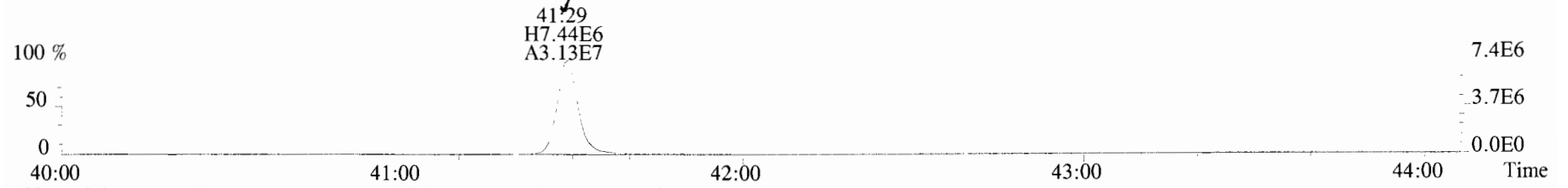
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
423.7767 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



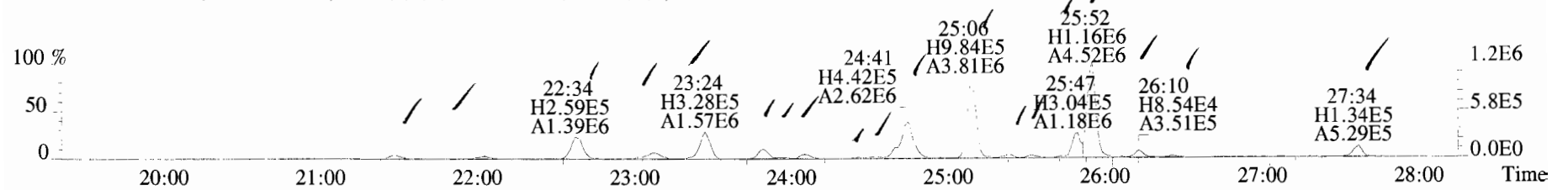
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
423.7767 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



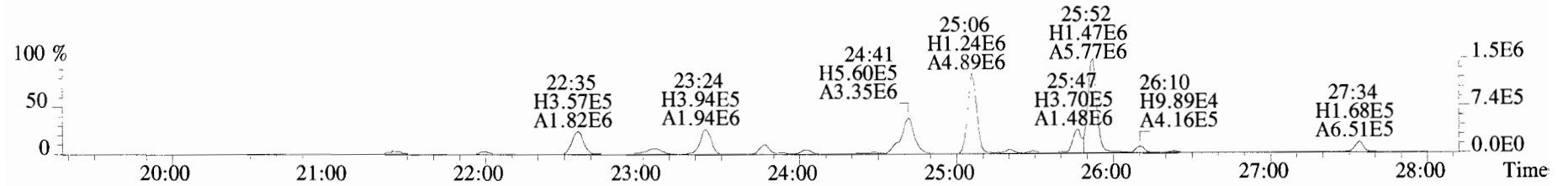
File:191011D2 #1-432 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
457.7377 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



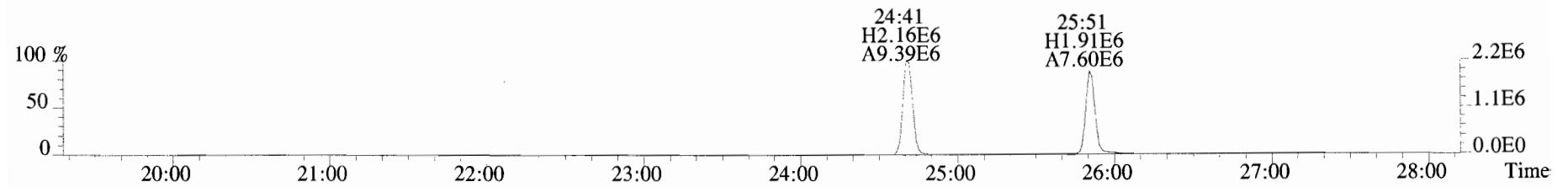
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



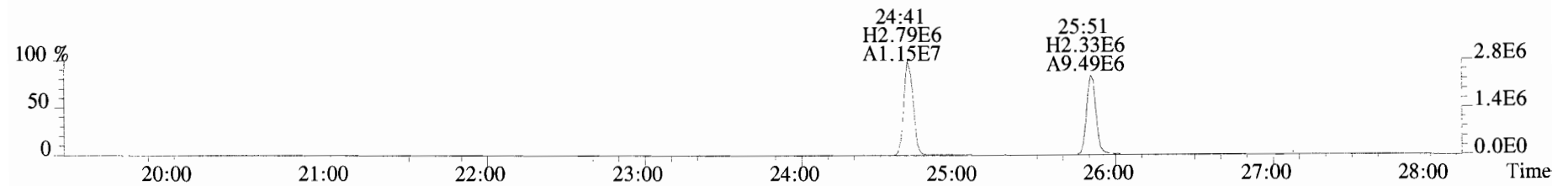
305.8987 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



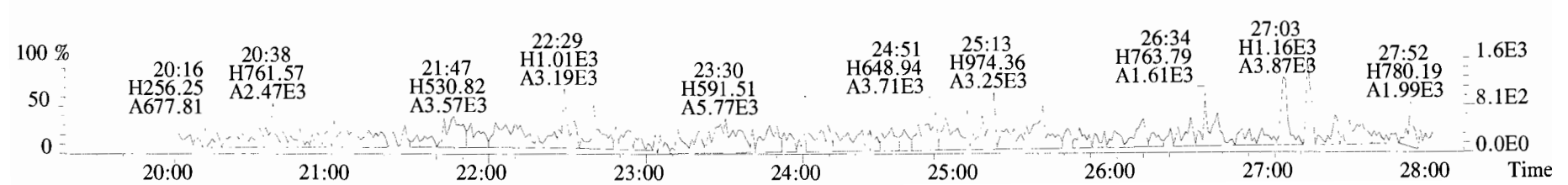
315.9419 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



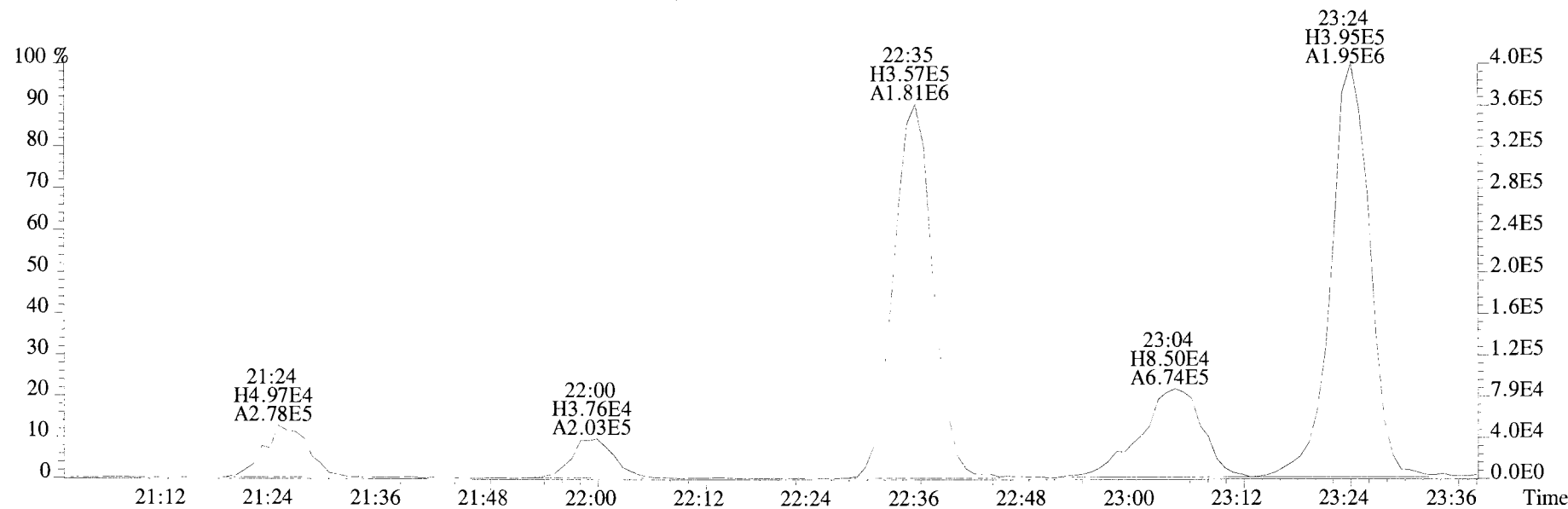
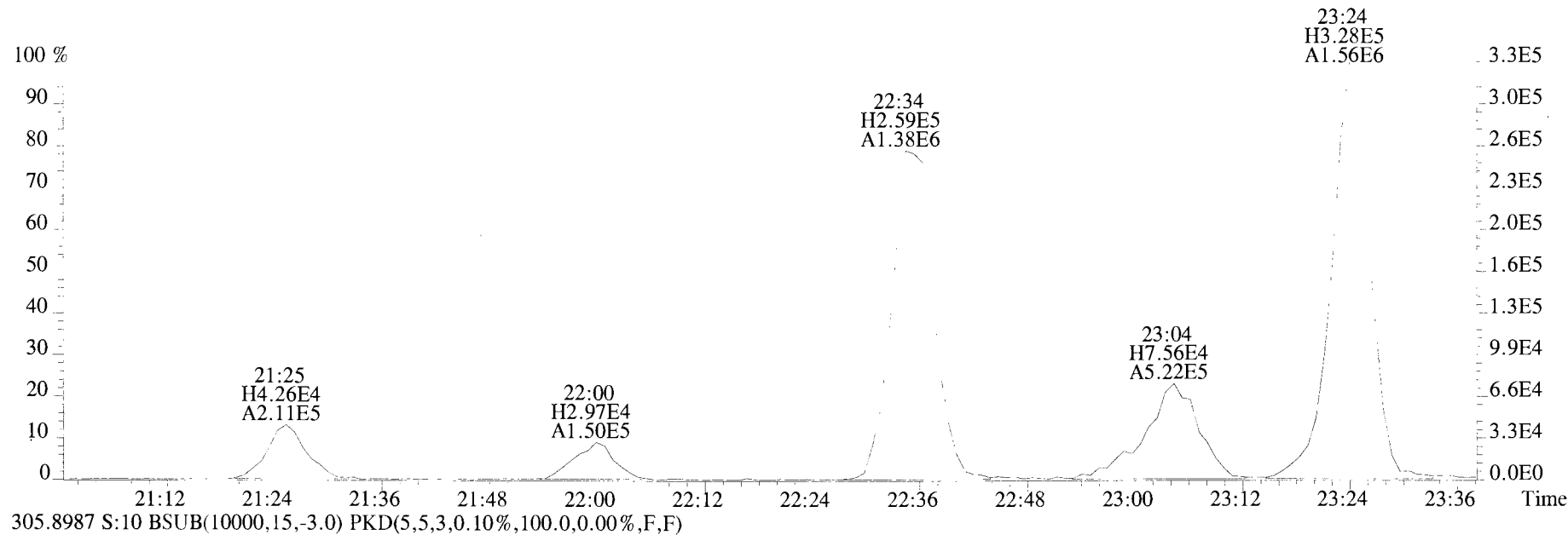
317.9389 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



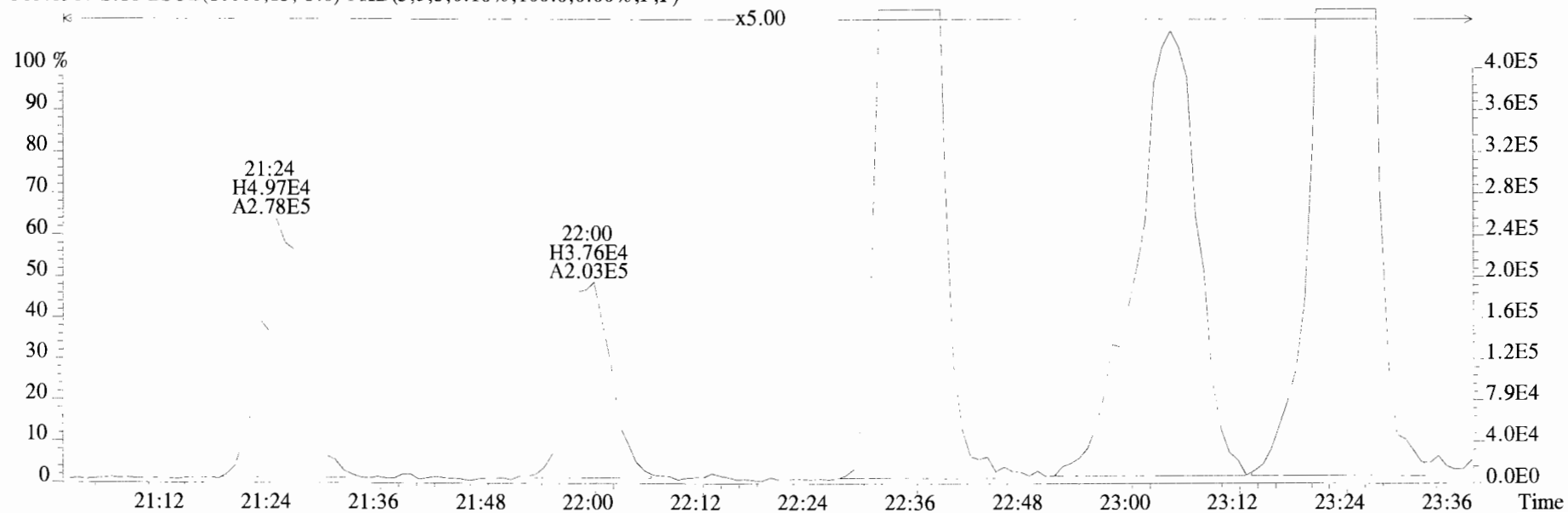
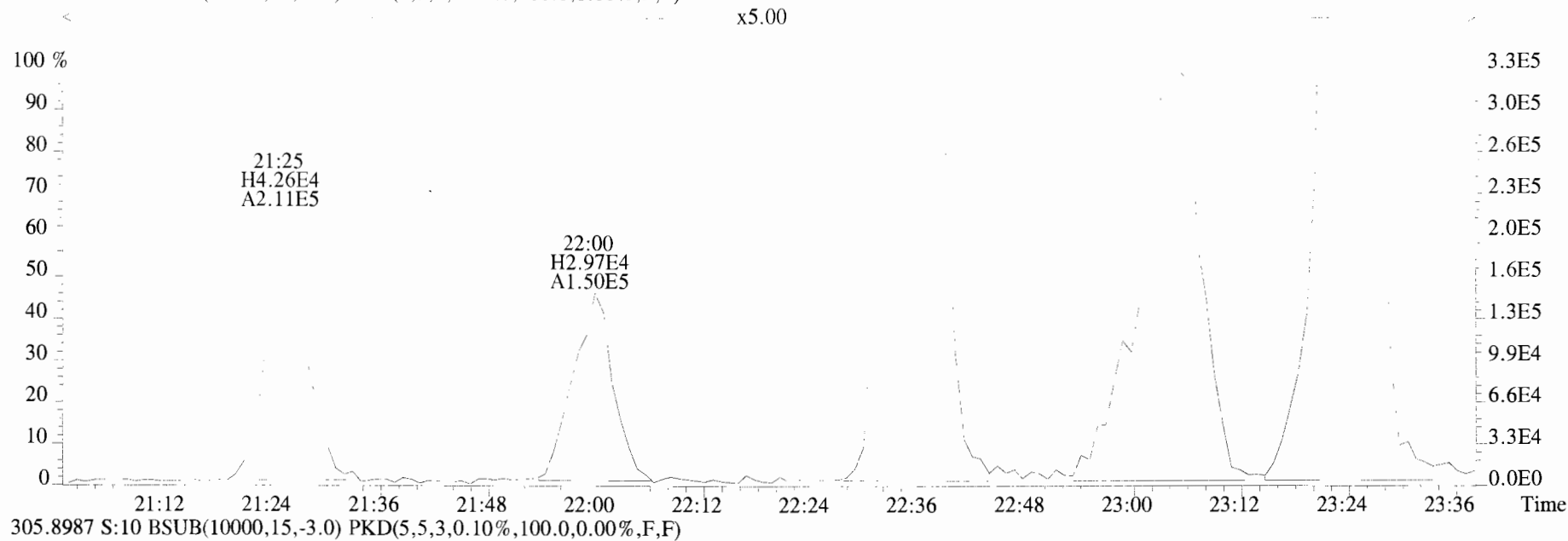
375.8364 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



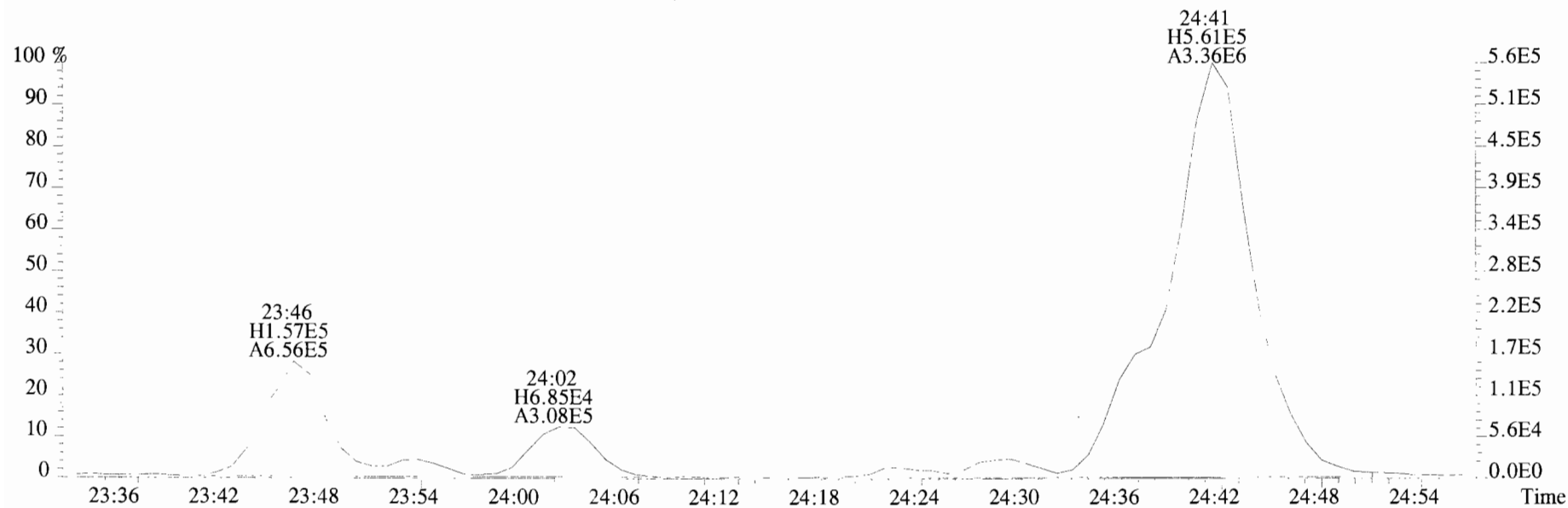
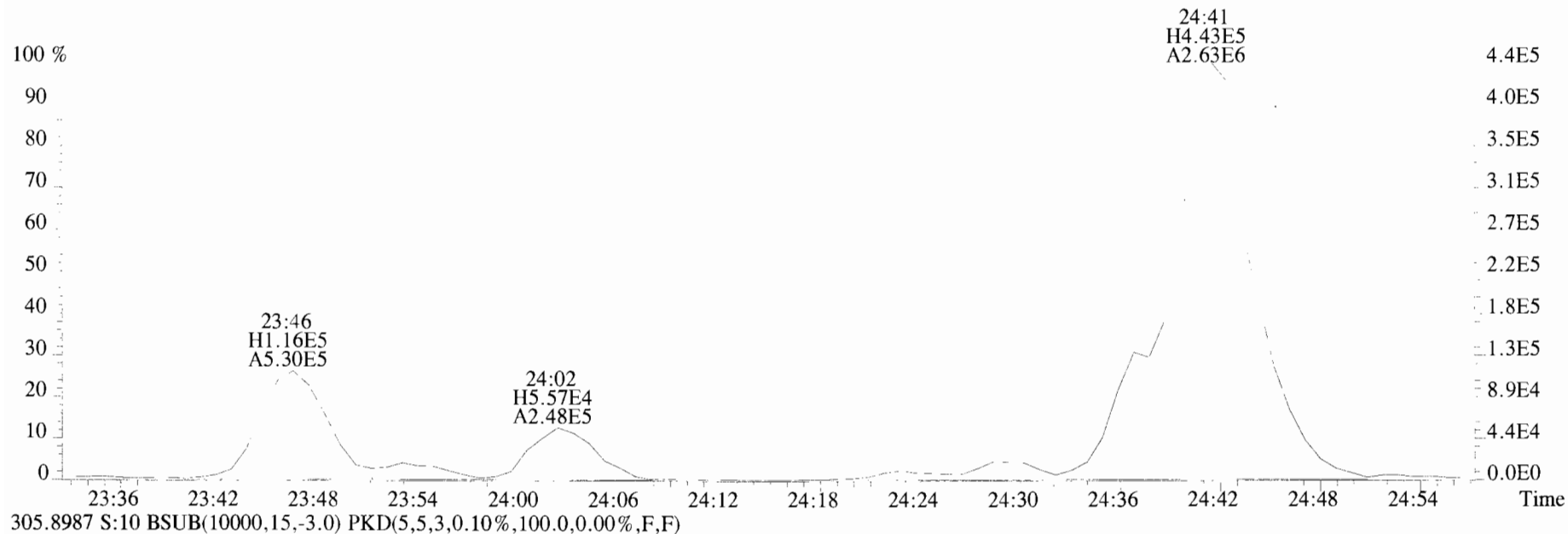
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



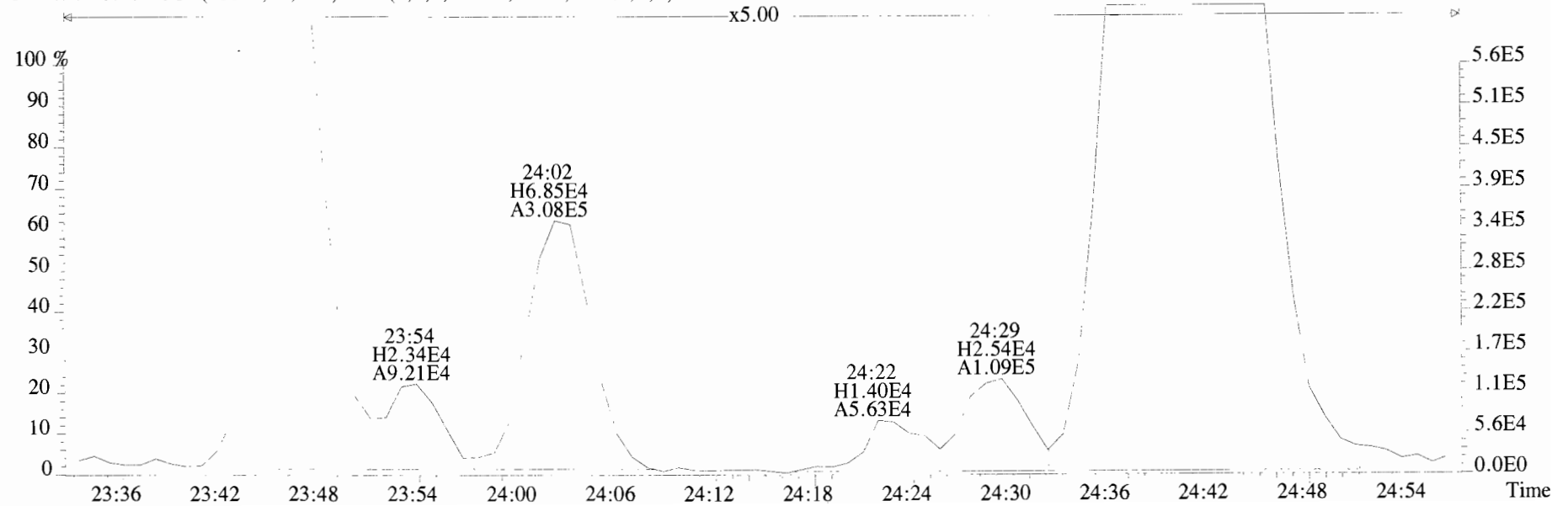
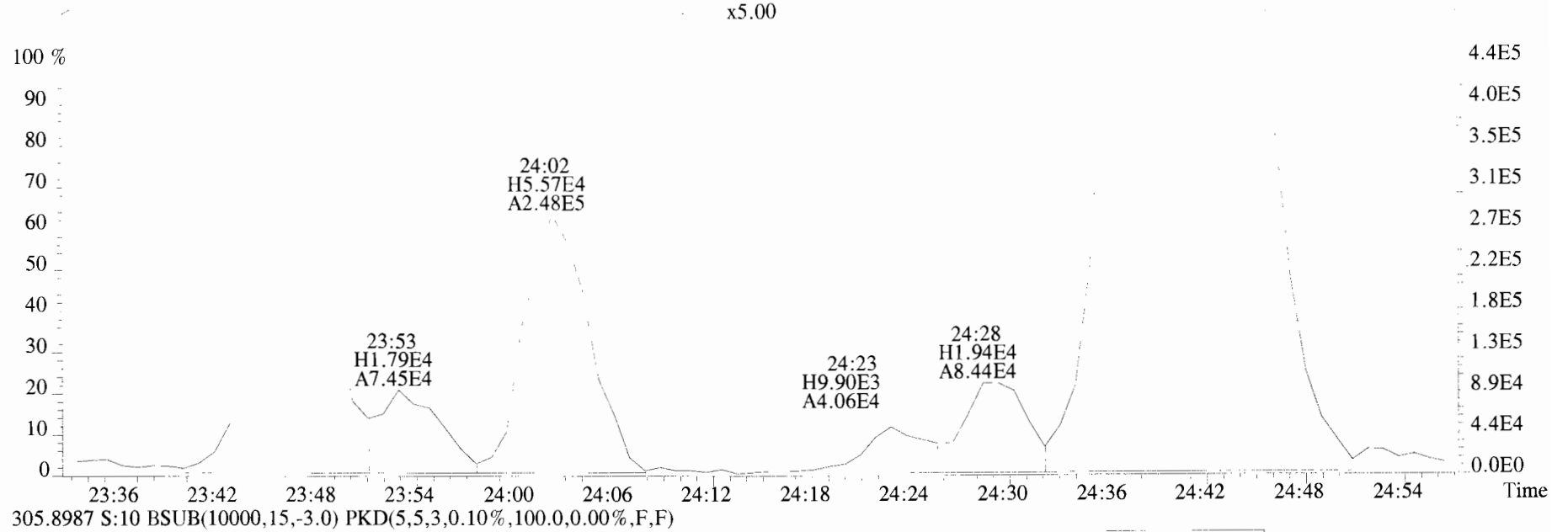
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



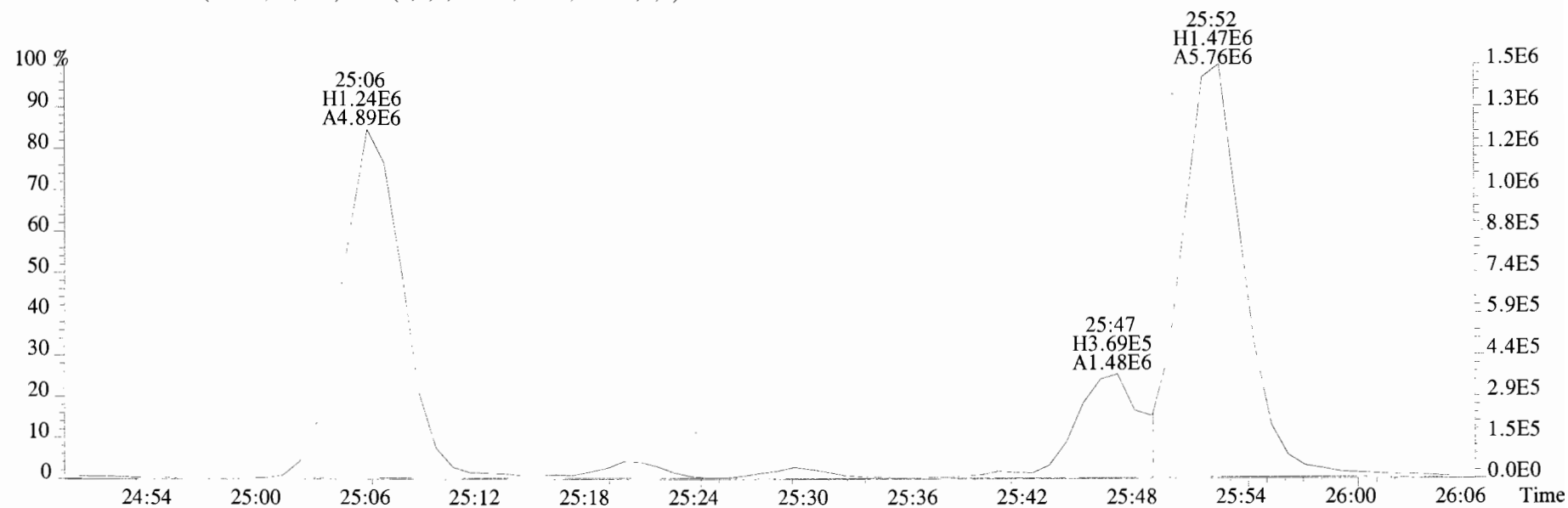
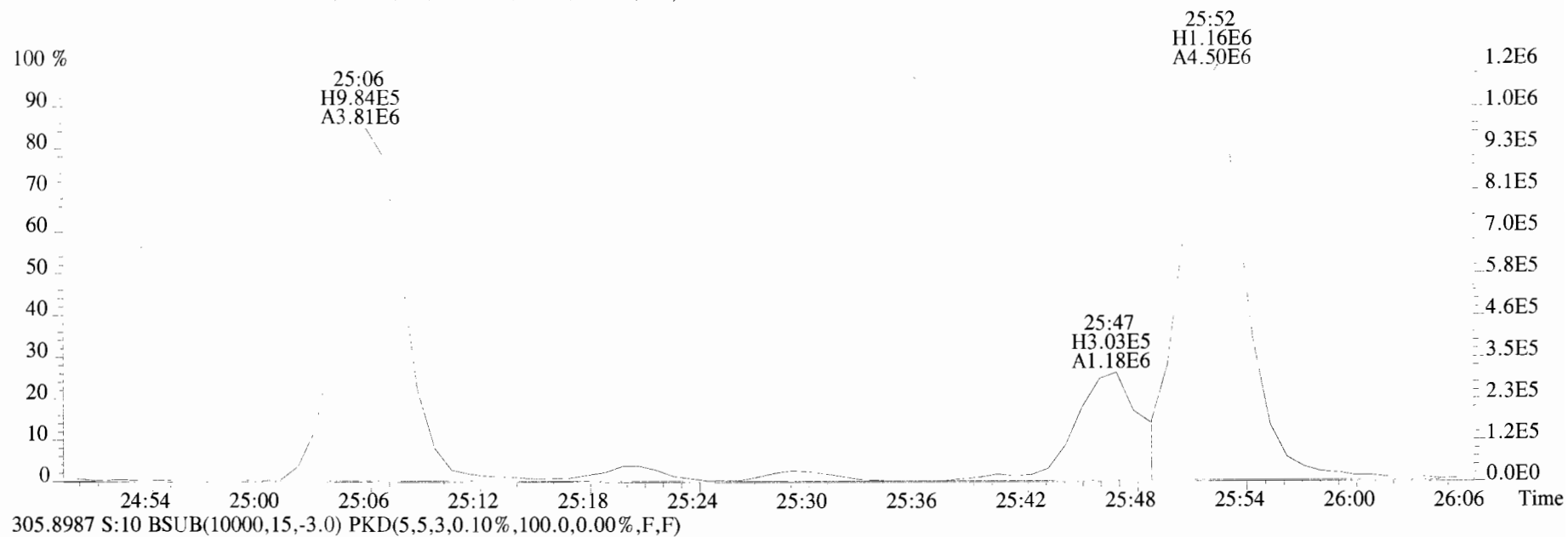
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



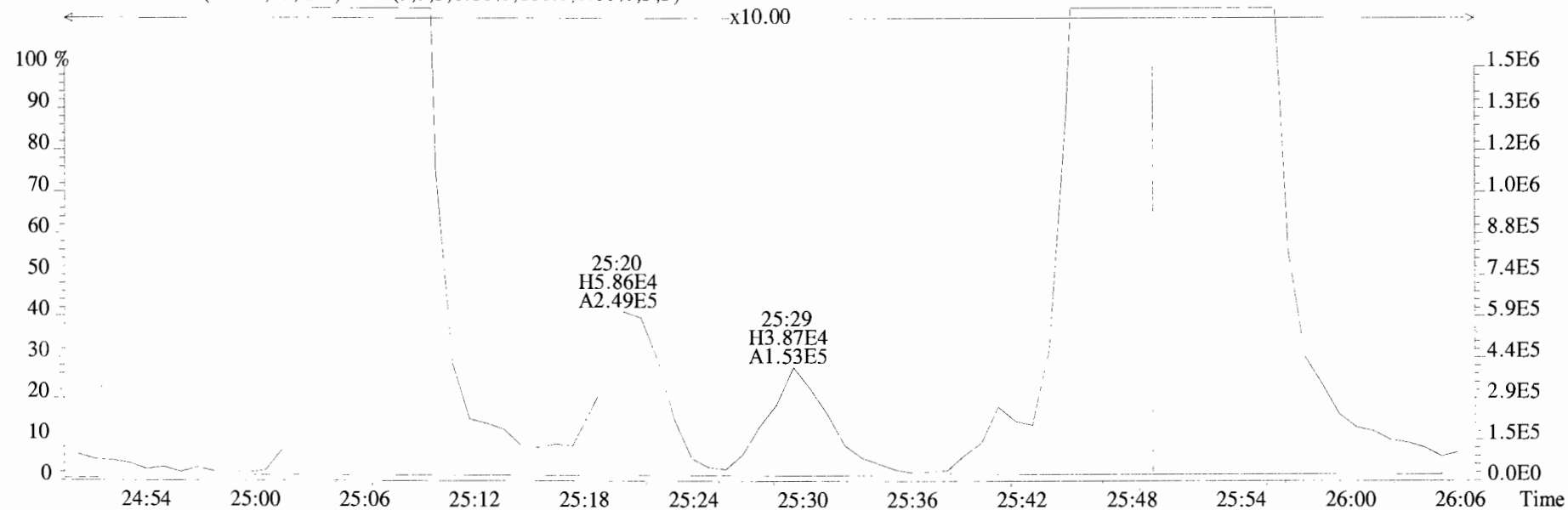
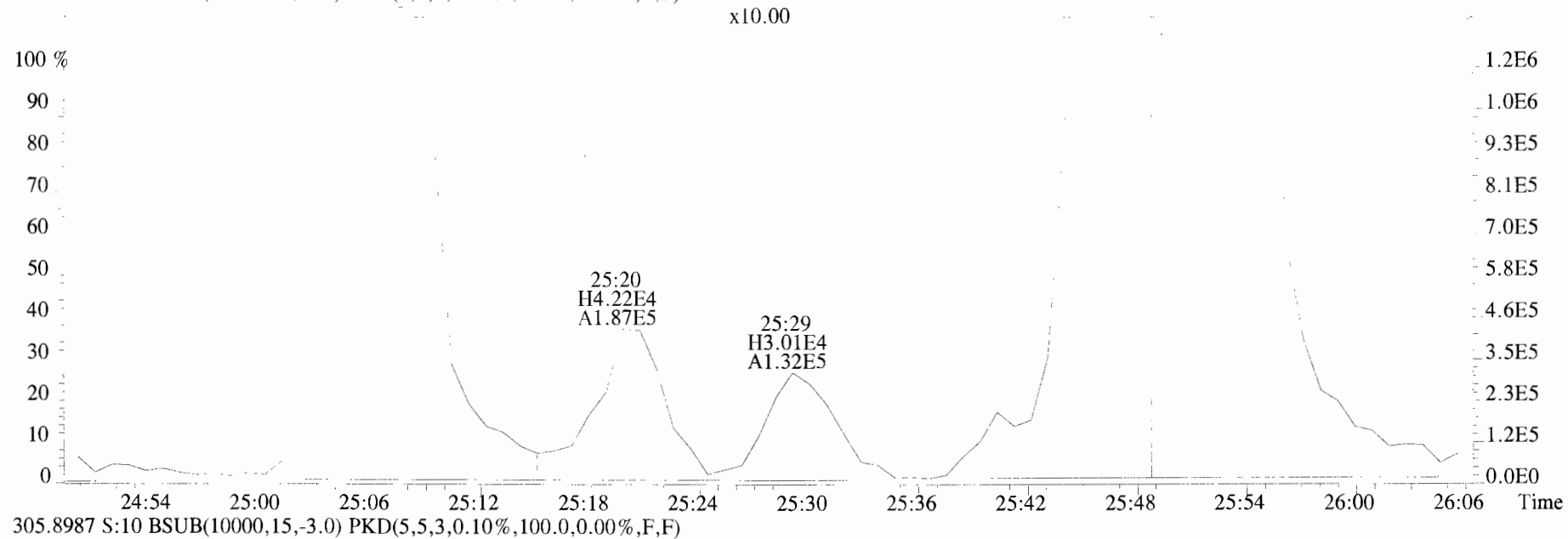
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



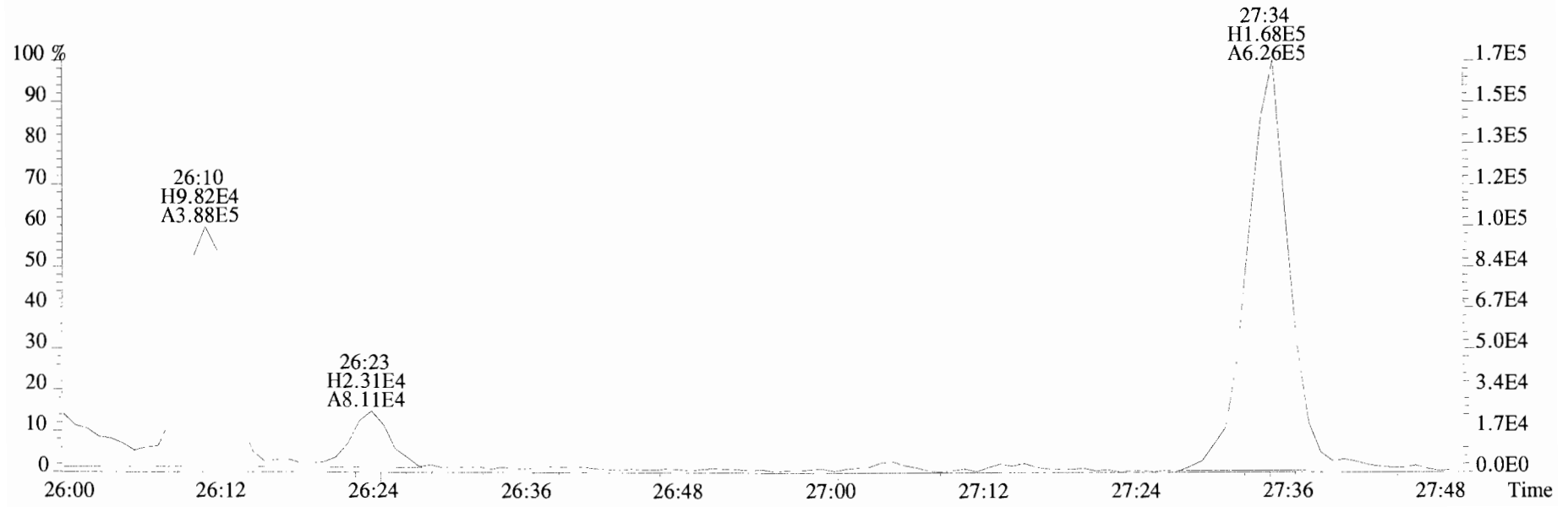
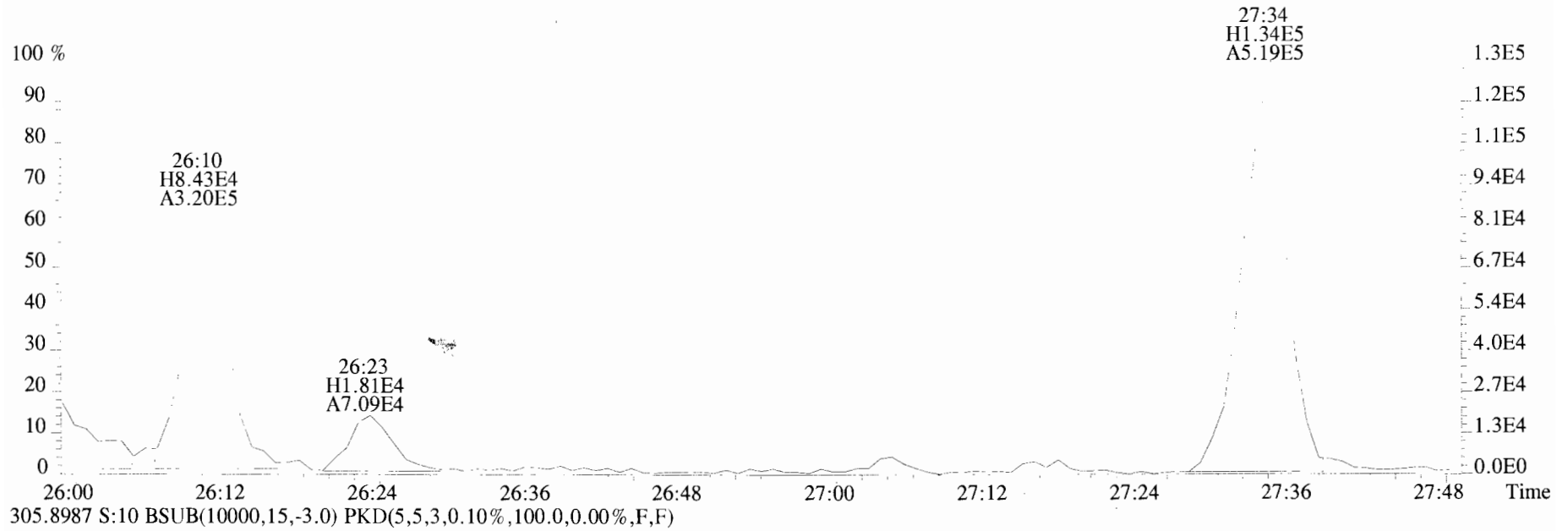
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaF
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



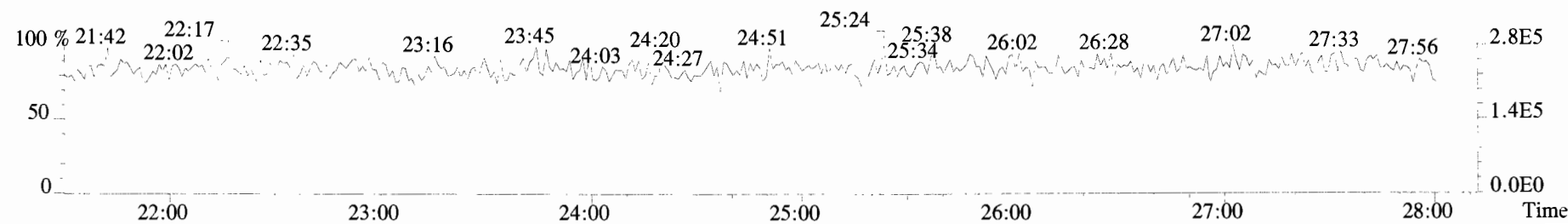
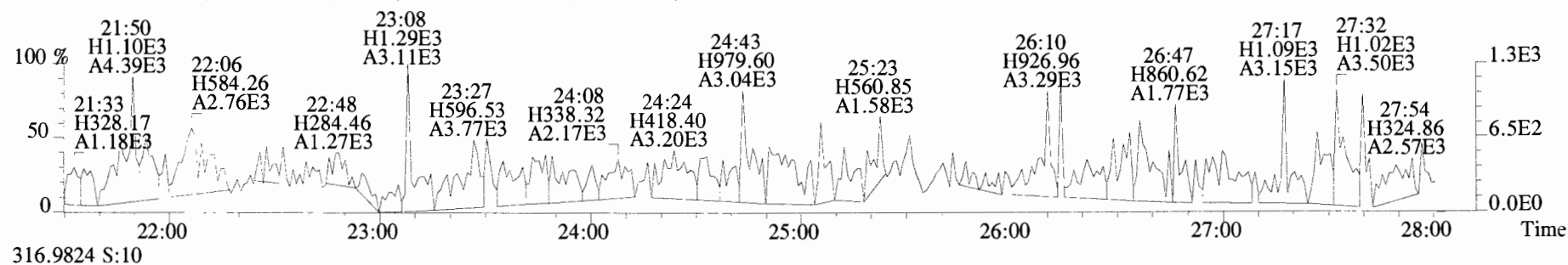
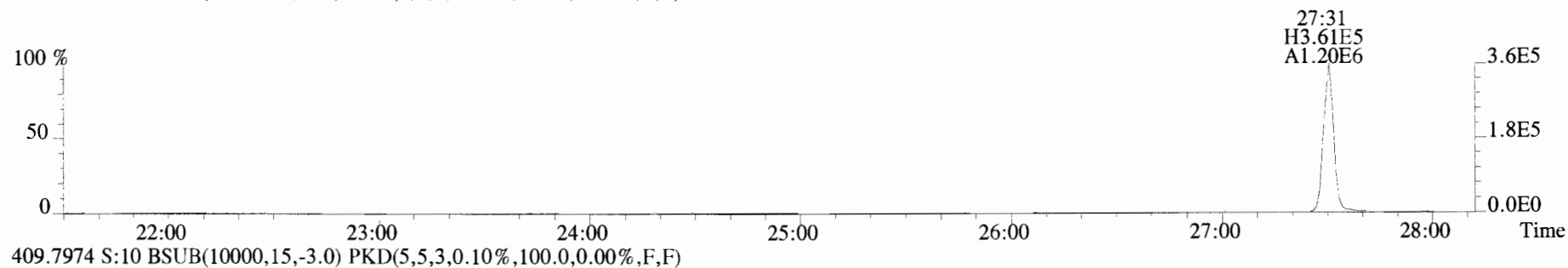
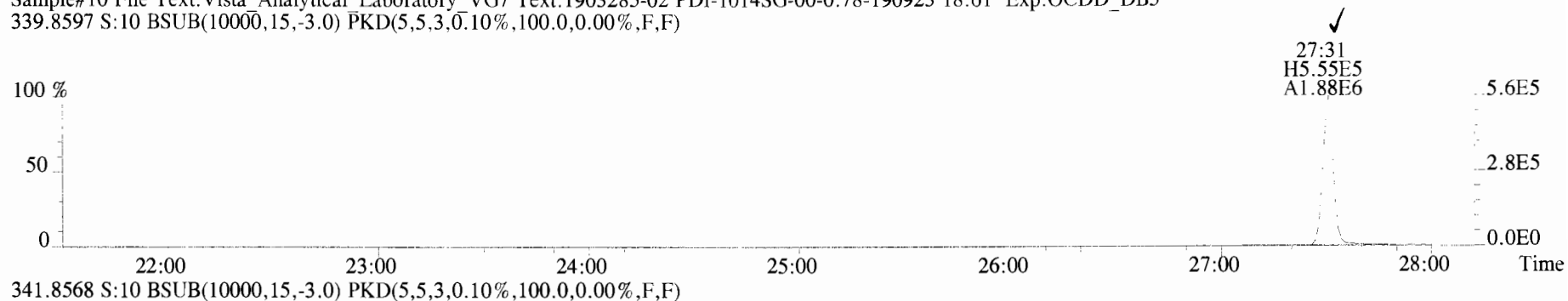
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



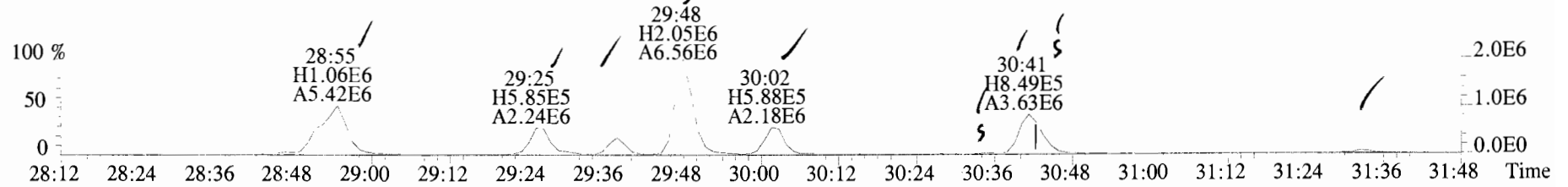
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



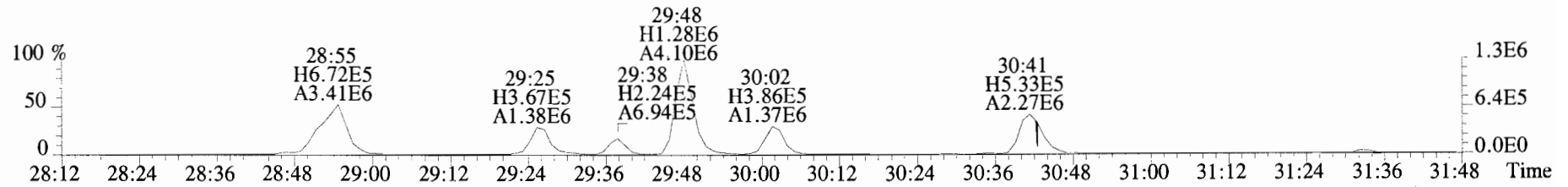
File:191011D2 #1-514 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 339.8597 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



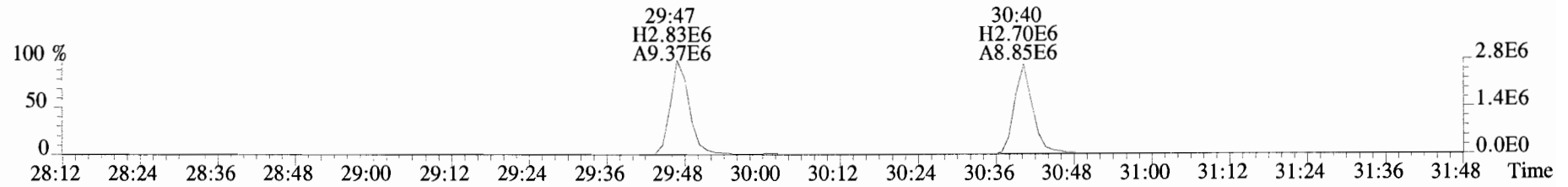
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



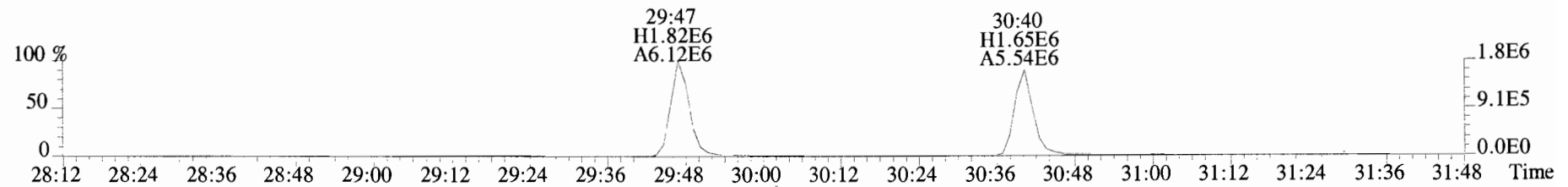
341.8568 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



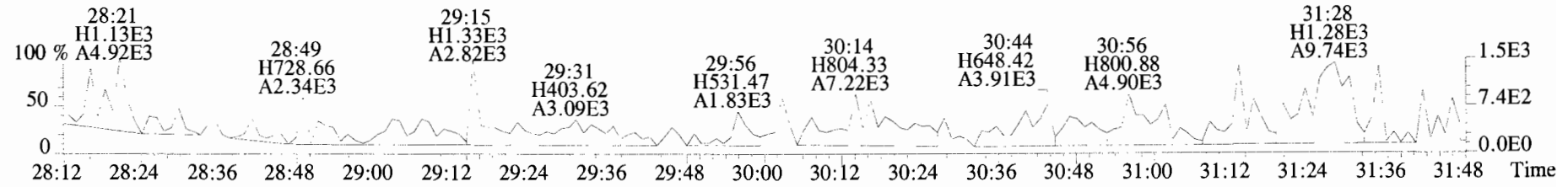
351.9000 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



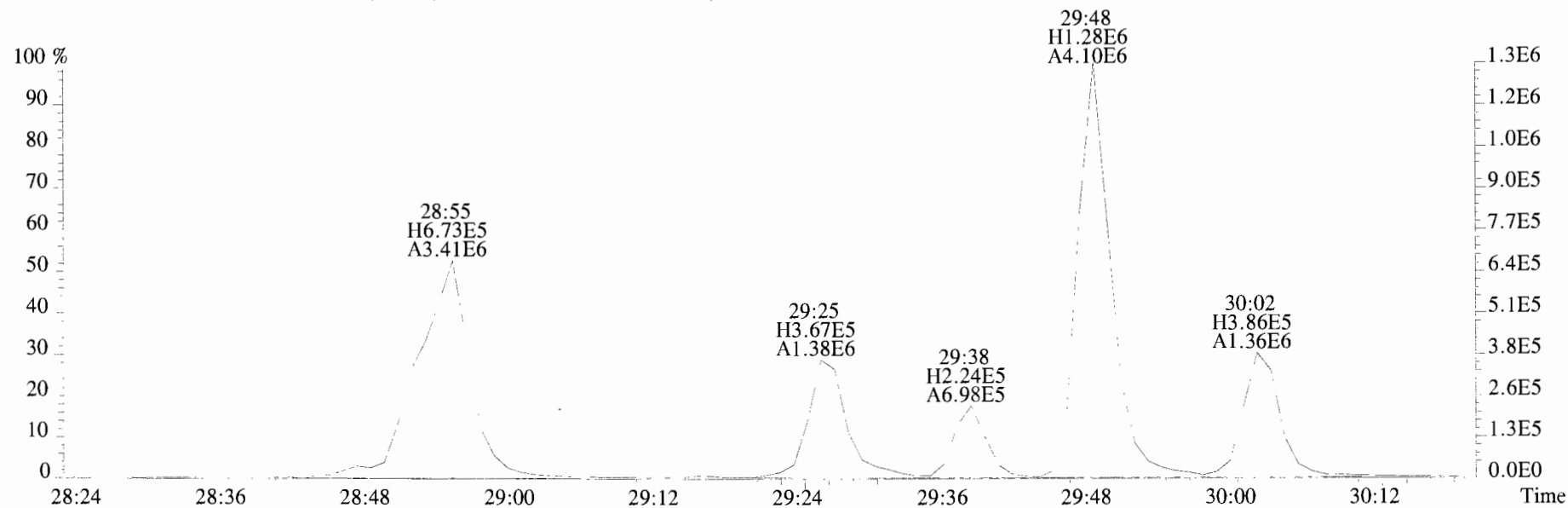
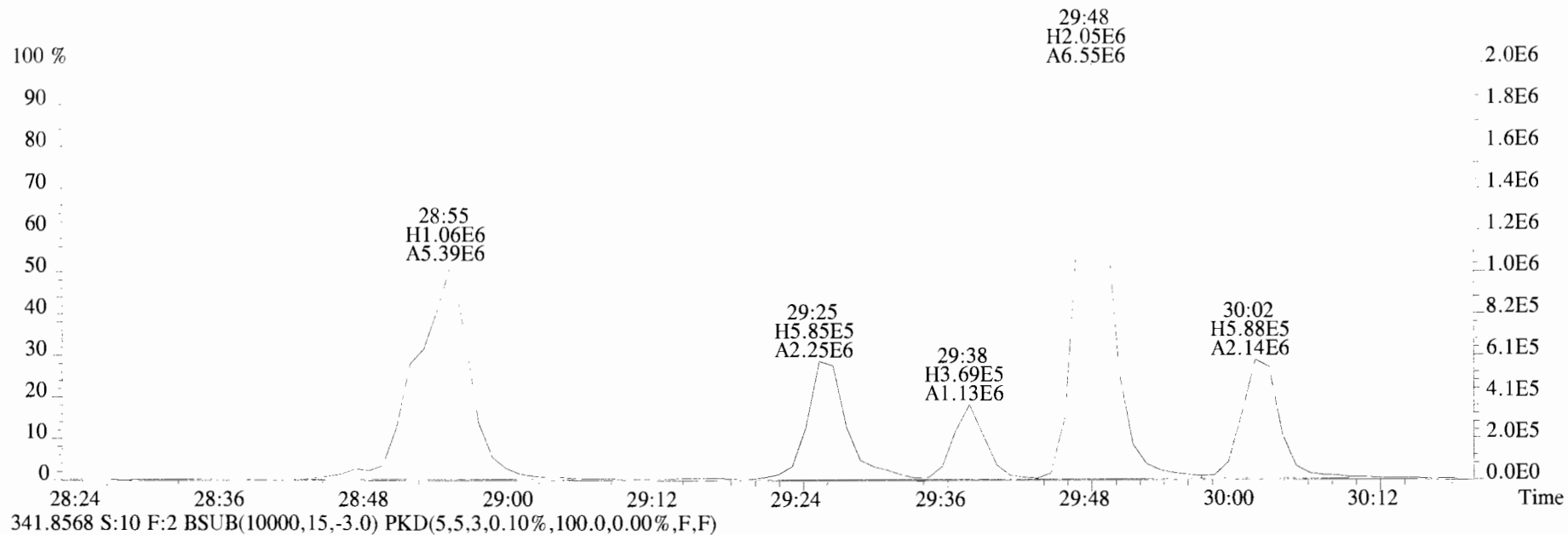
353.8970 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



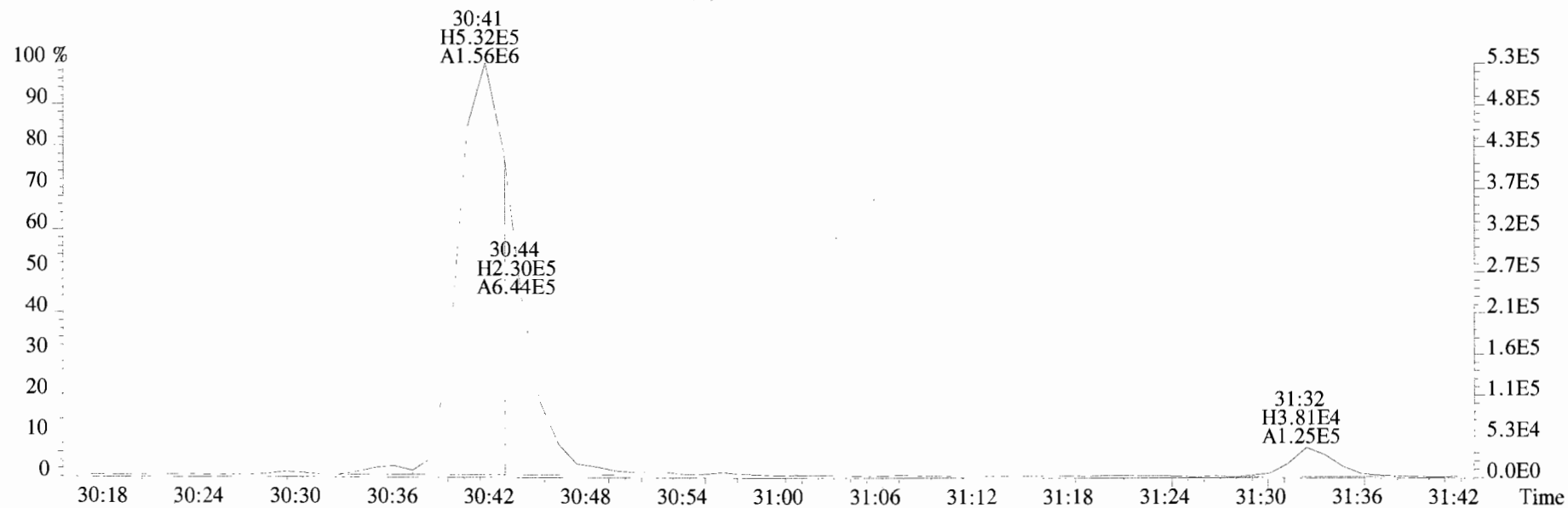
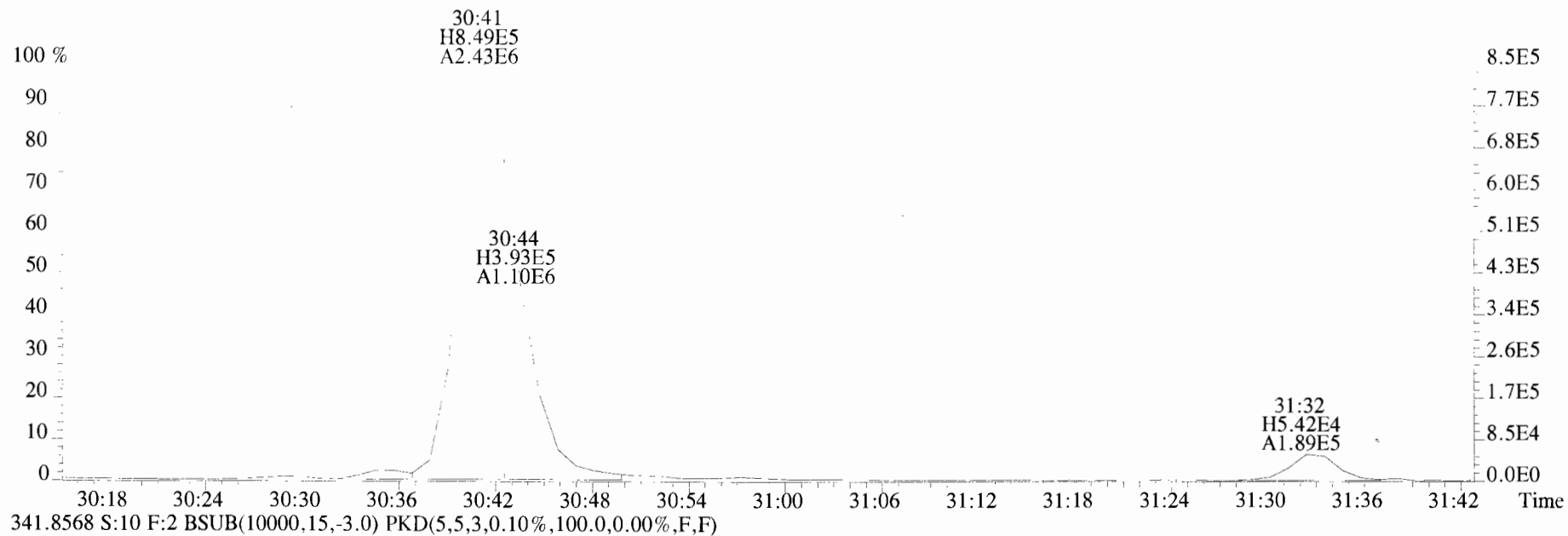
409.7974 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



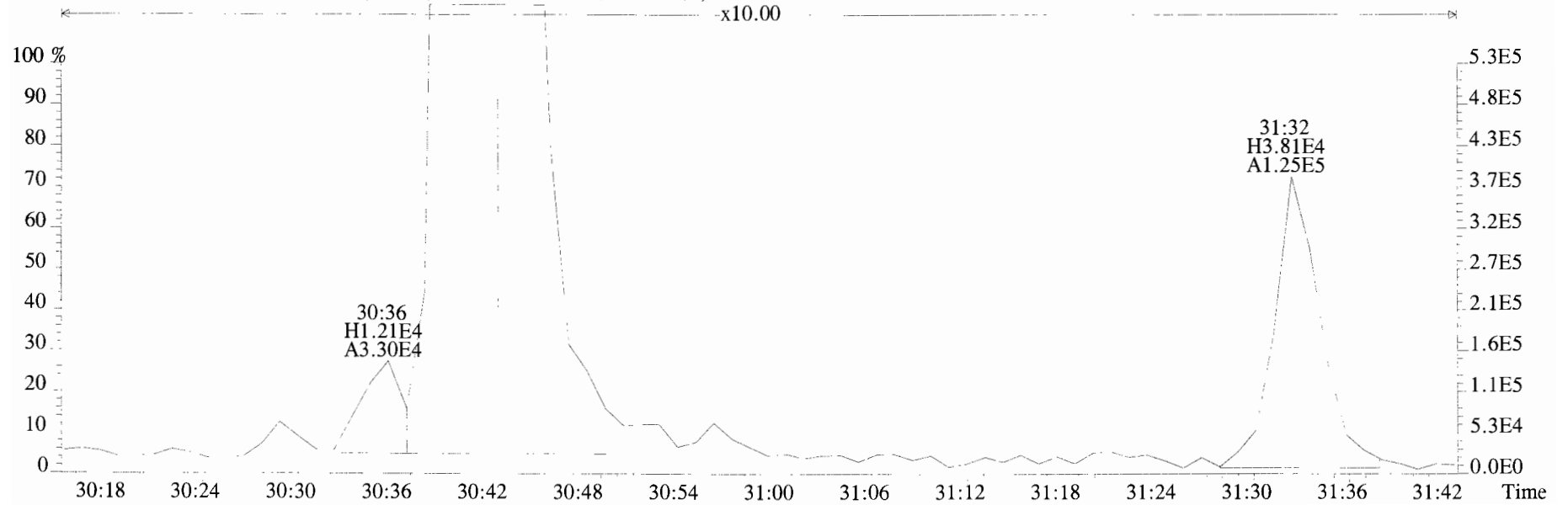
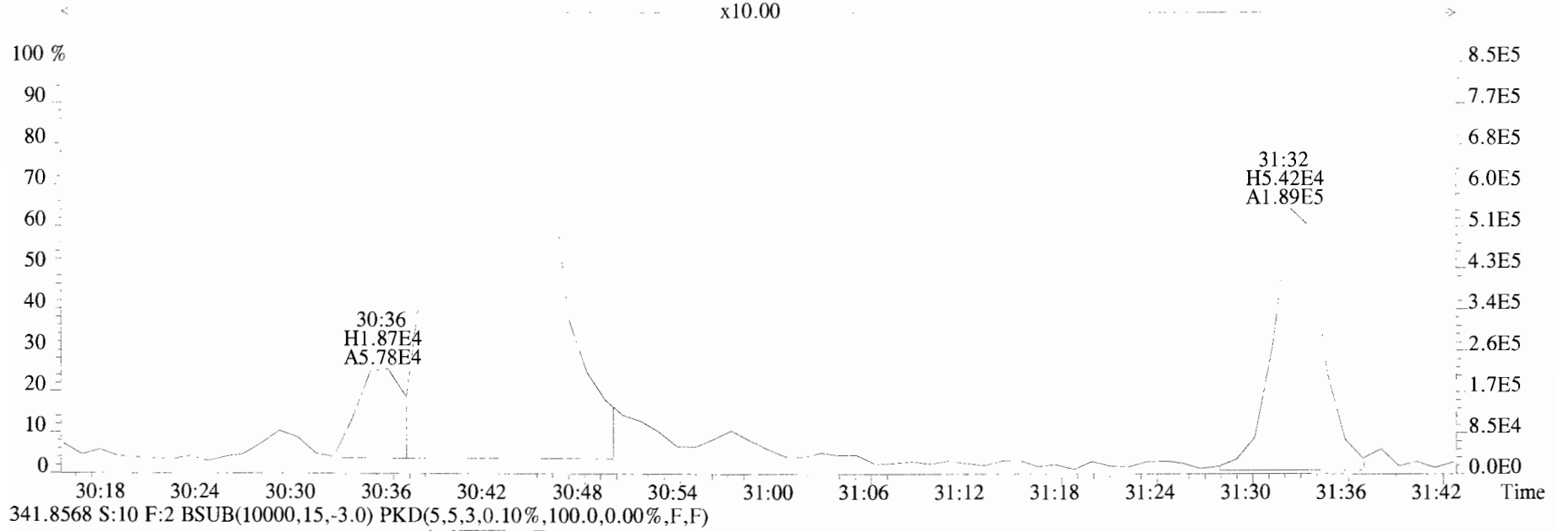
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
339.8597 S:10 F:2 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



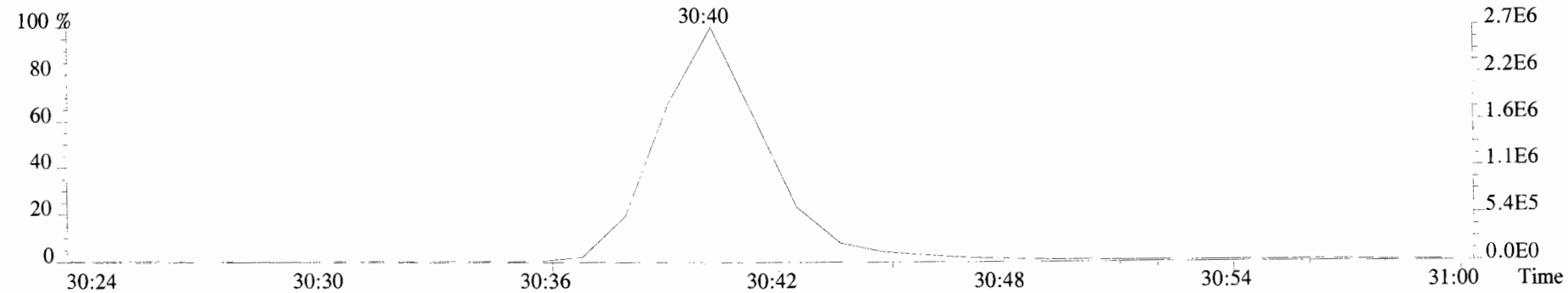
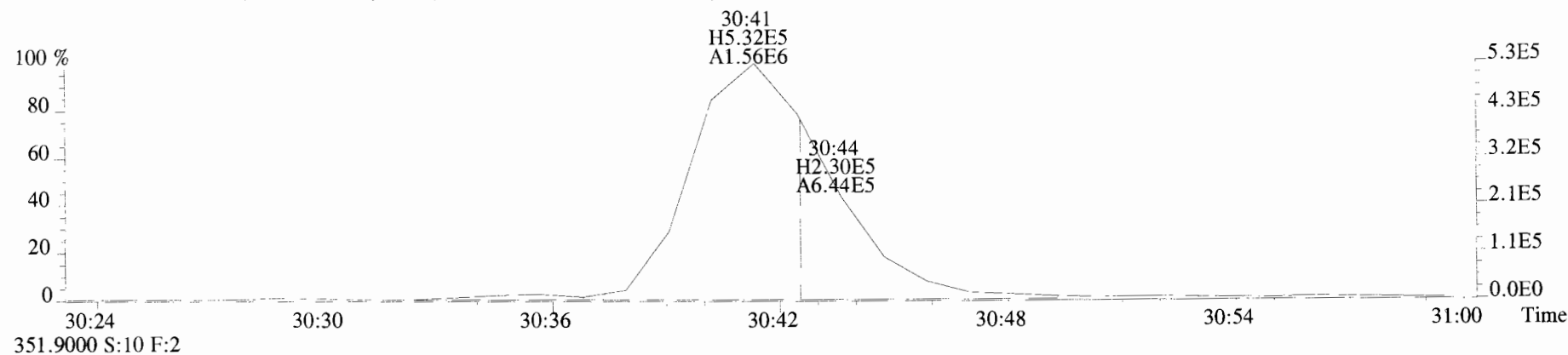
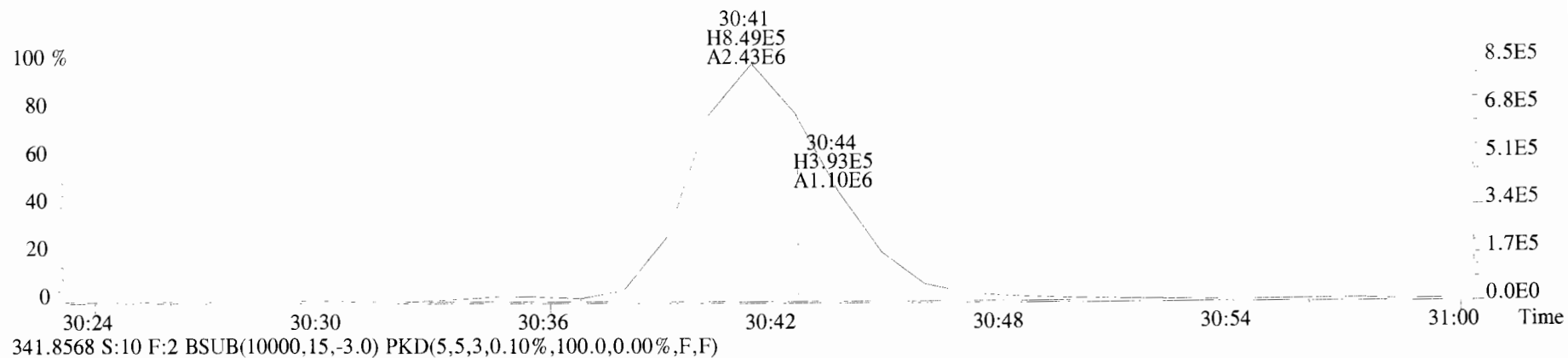
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



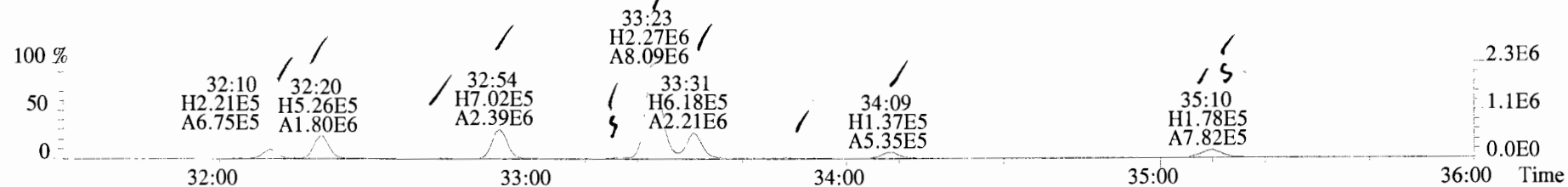
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



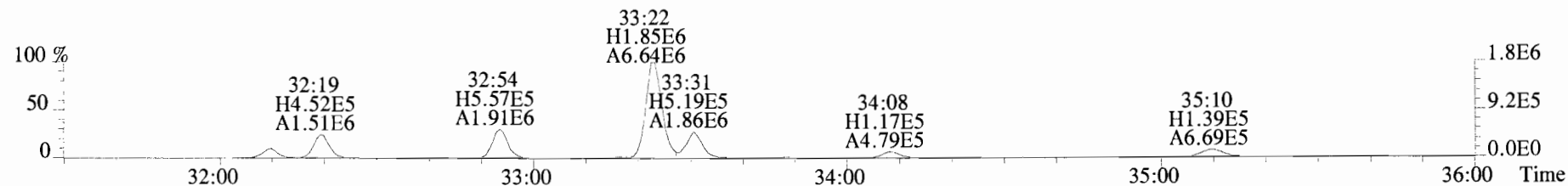
File:191011D2 #1-211 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text: Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
339.8597 S:10 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



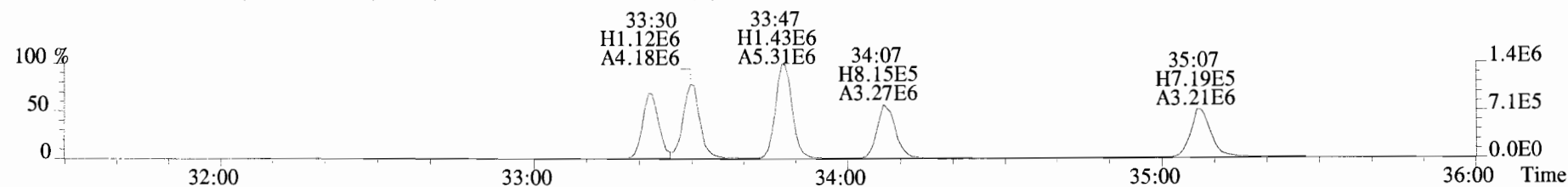
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
373.8207 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



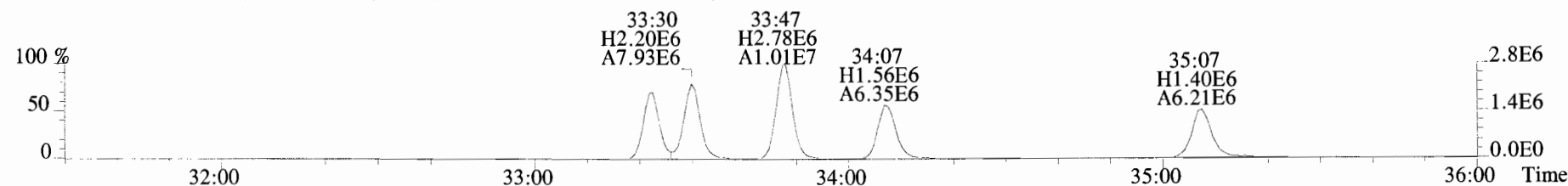
375.8178 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



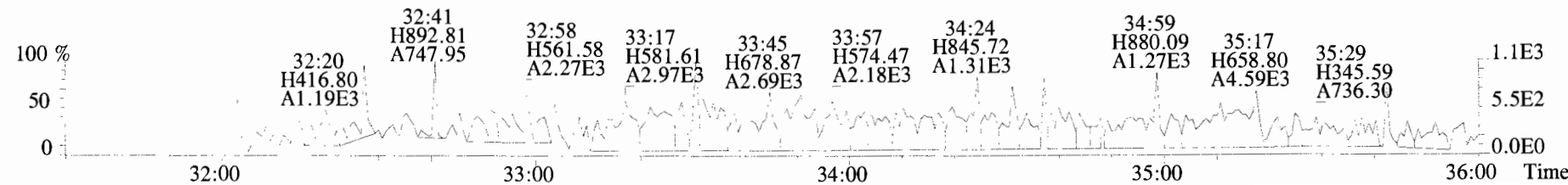
383.8639 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



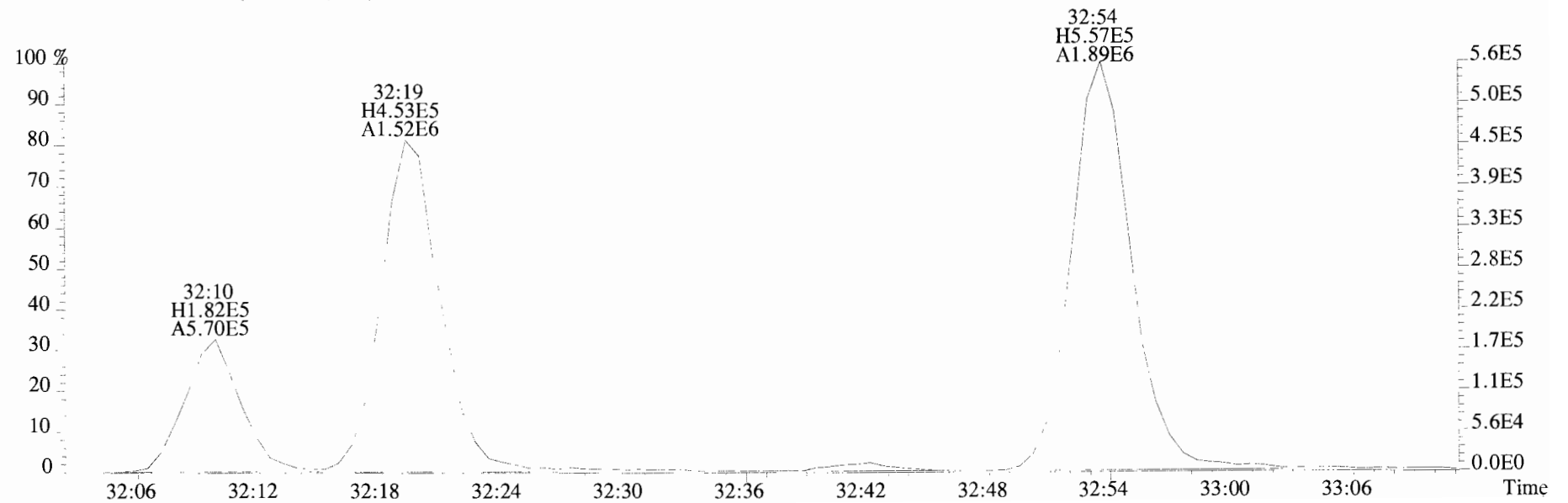
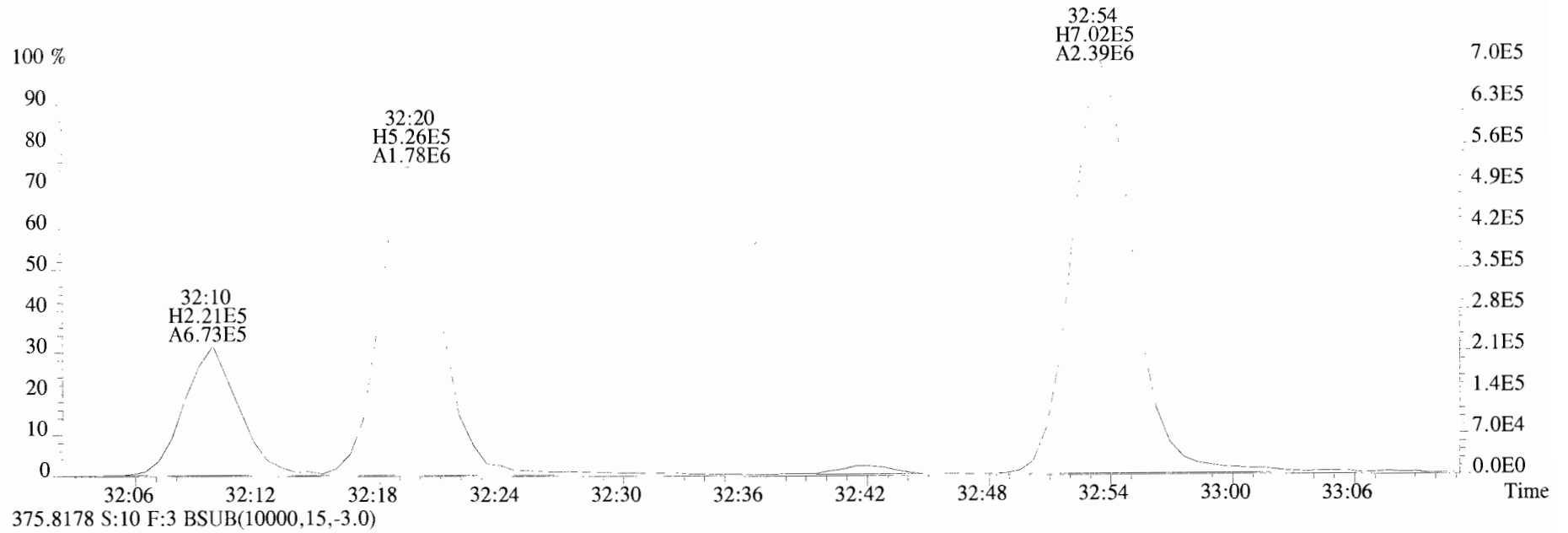
385.8610 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



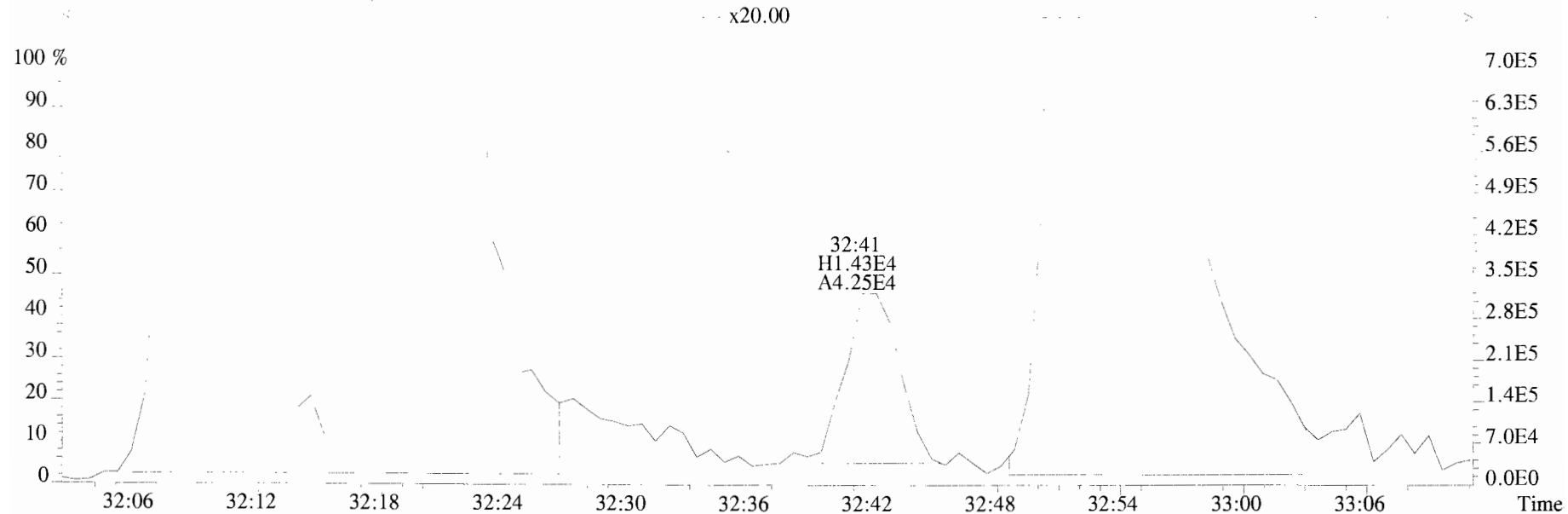
445.7555 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



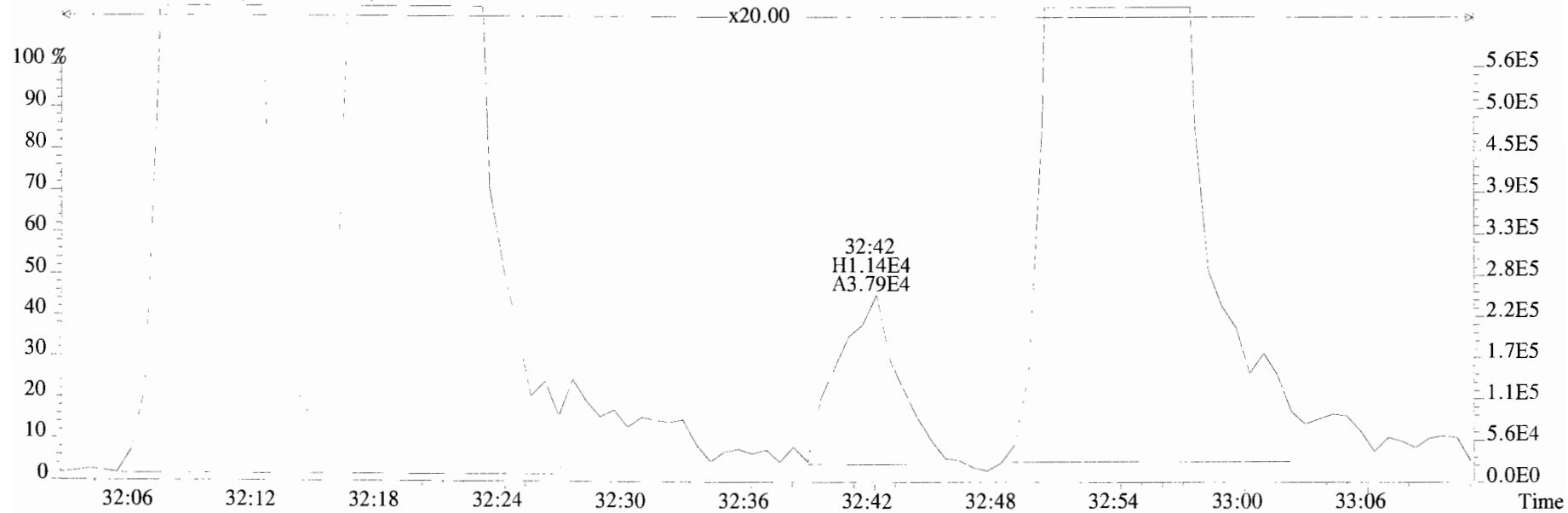
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
373.8207 S:10 F:3 BSUB(10000,15,-3.0)



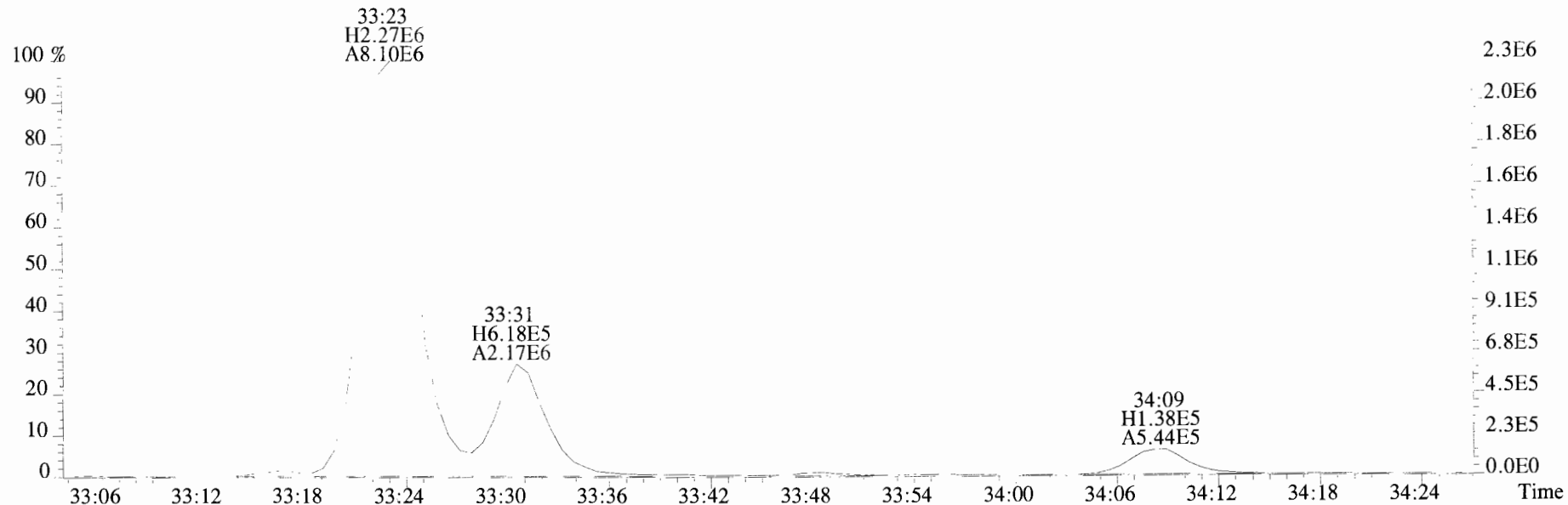
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
373.8207 S:10 F:3 BSUB(10000,15,-3.0)



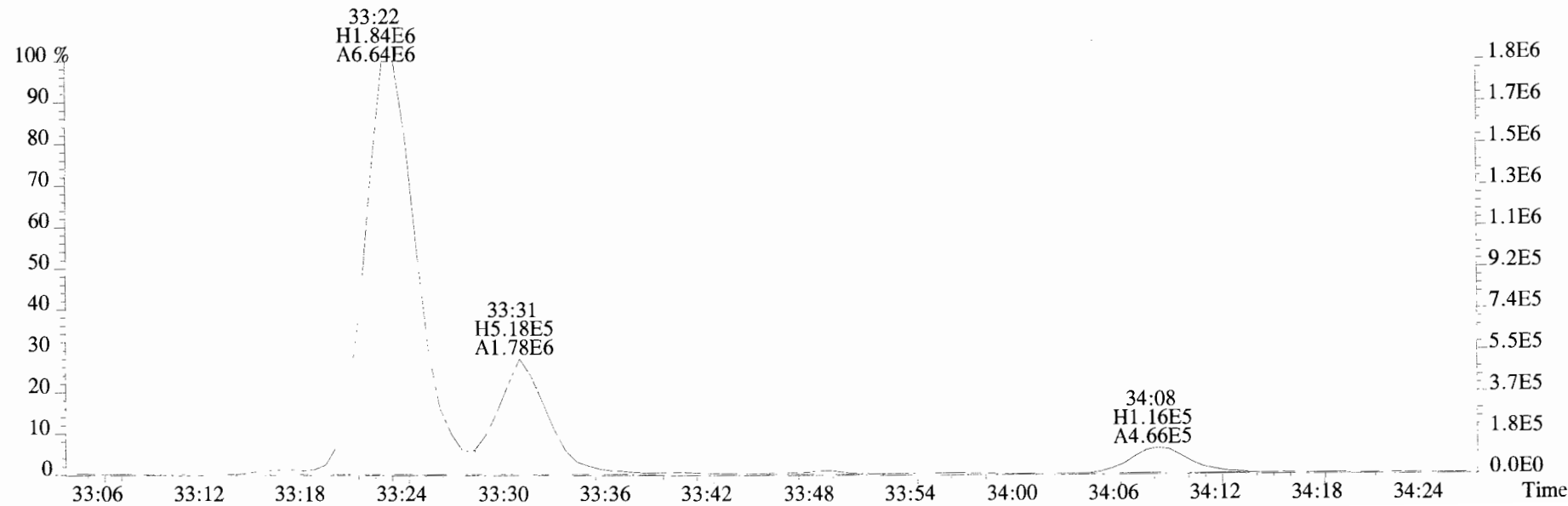
375.8178 S:10 F:3 BSUB(10000,15,-3.0)



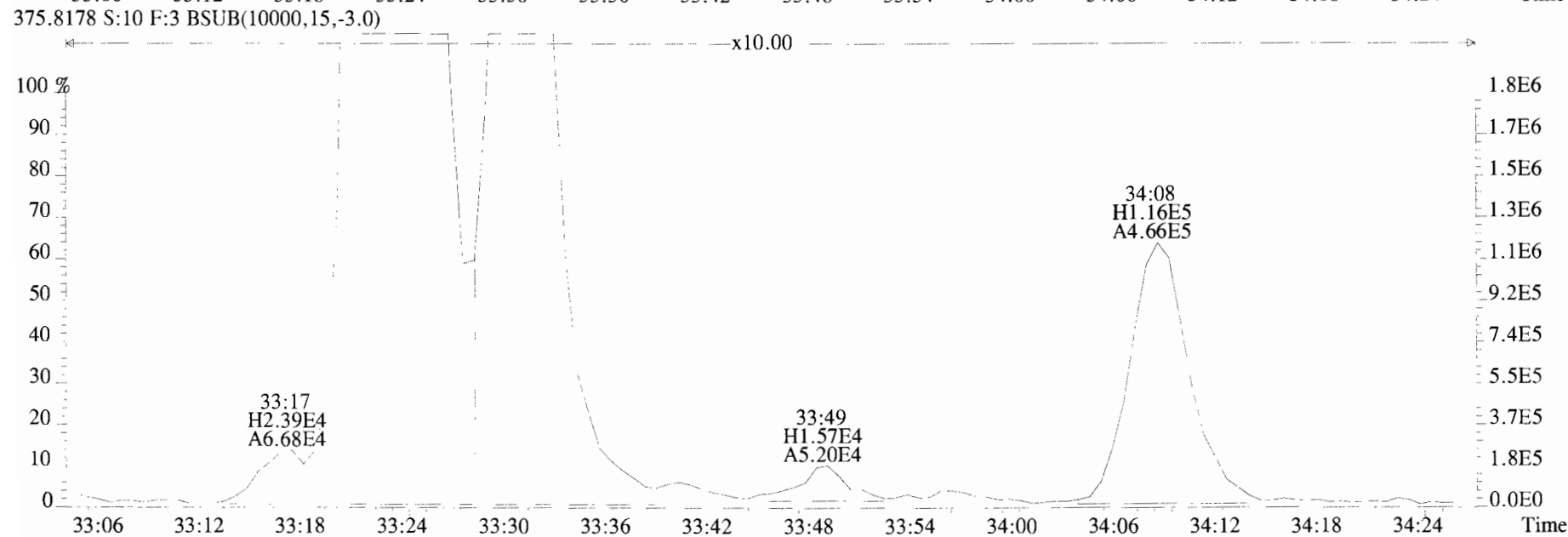
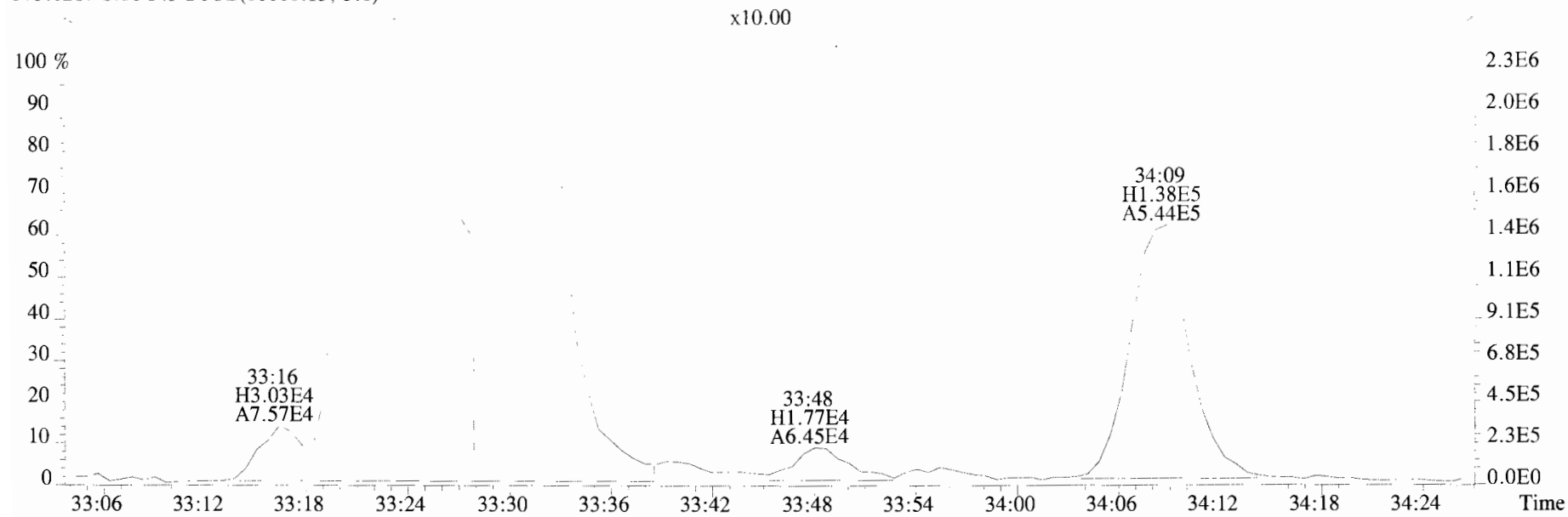
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
373.8207 S:10 F:3 BSUB(10000,15,-3.0)

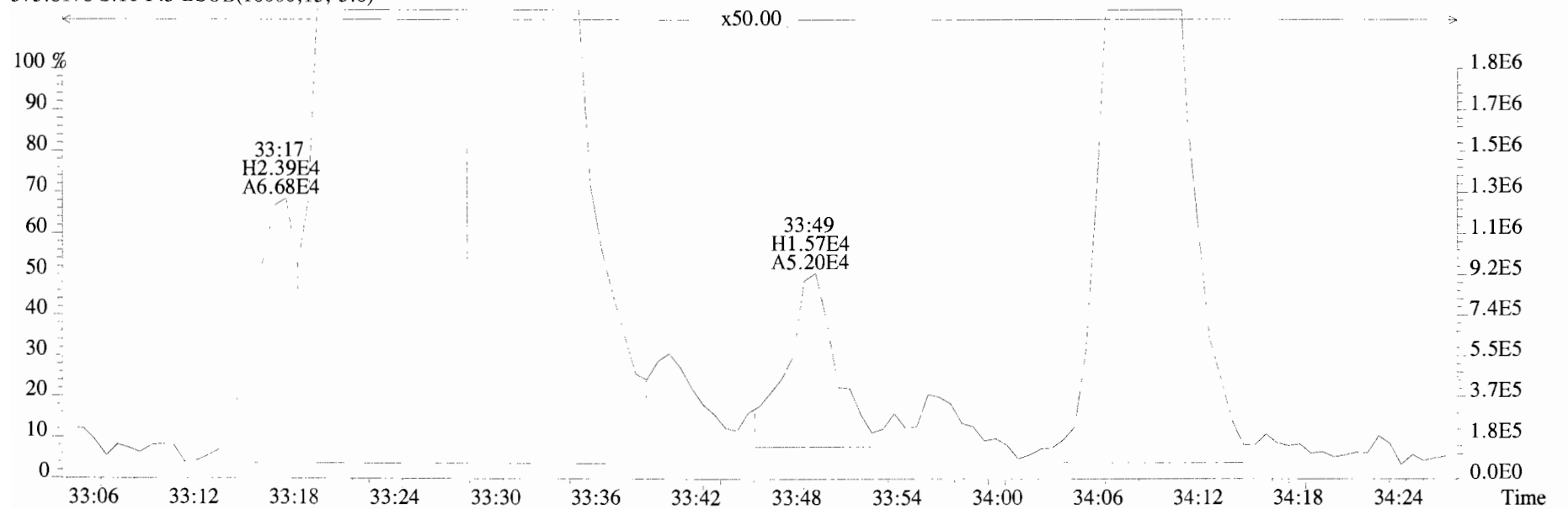
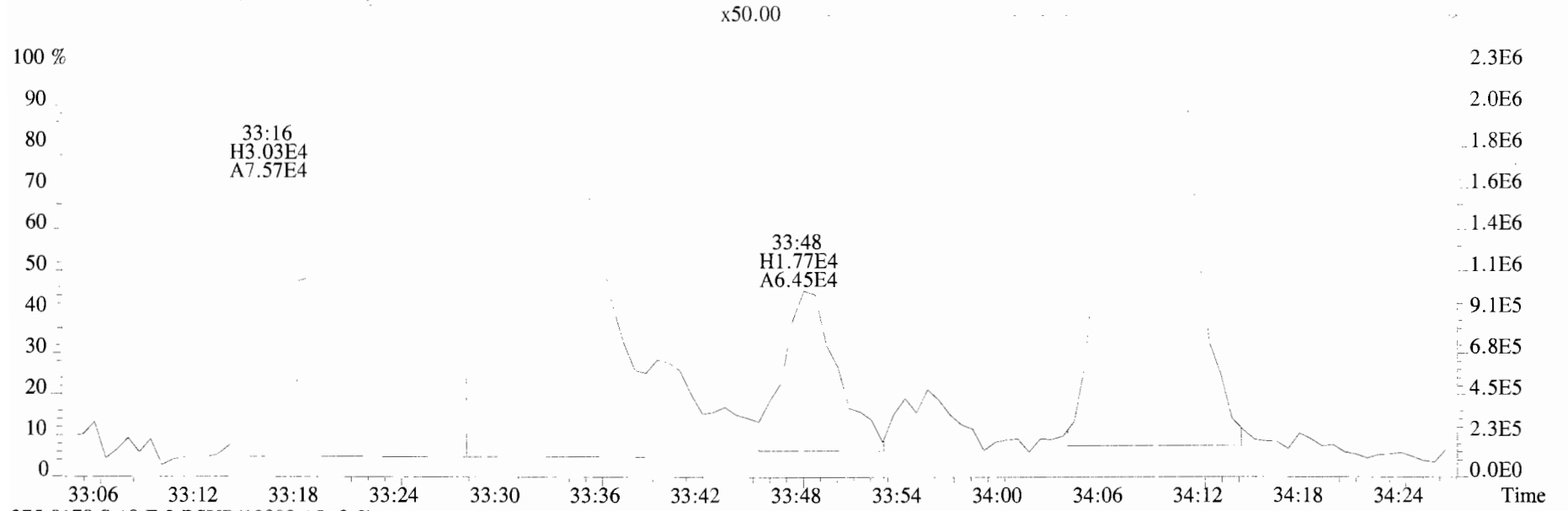


375.8178 S:10 F:3 BSUB(10000,15,-3.0)

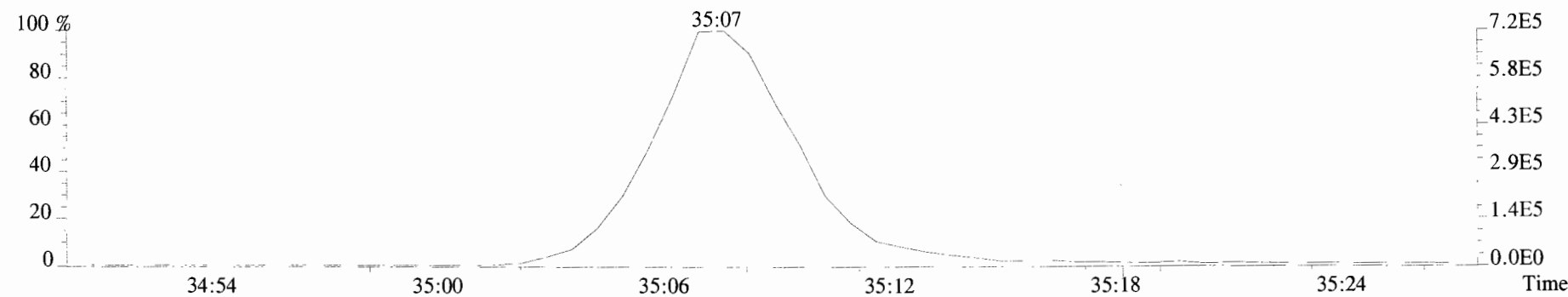
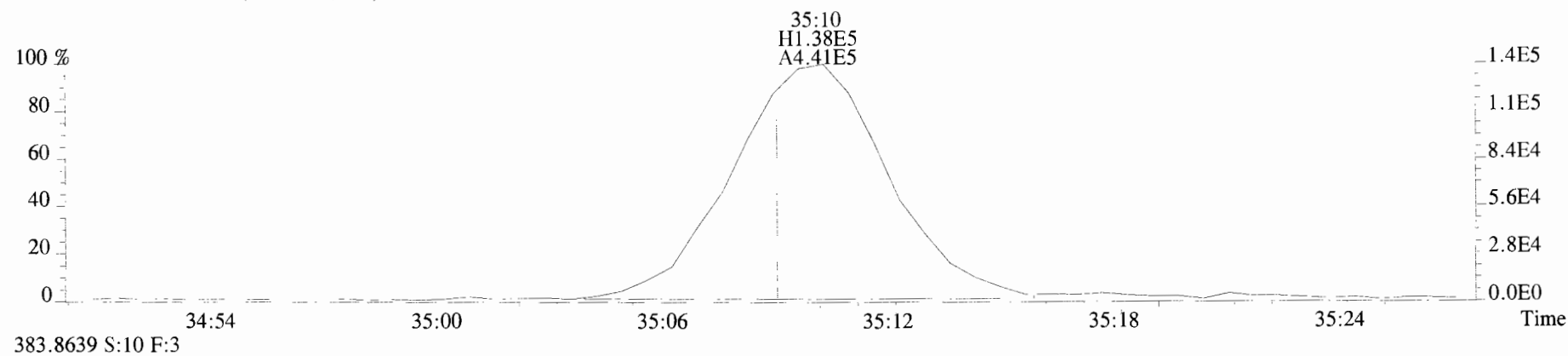
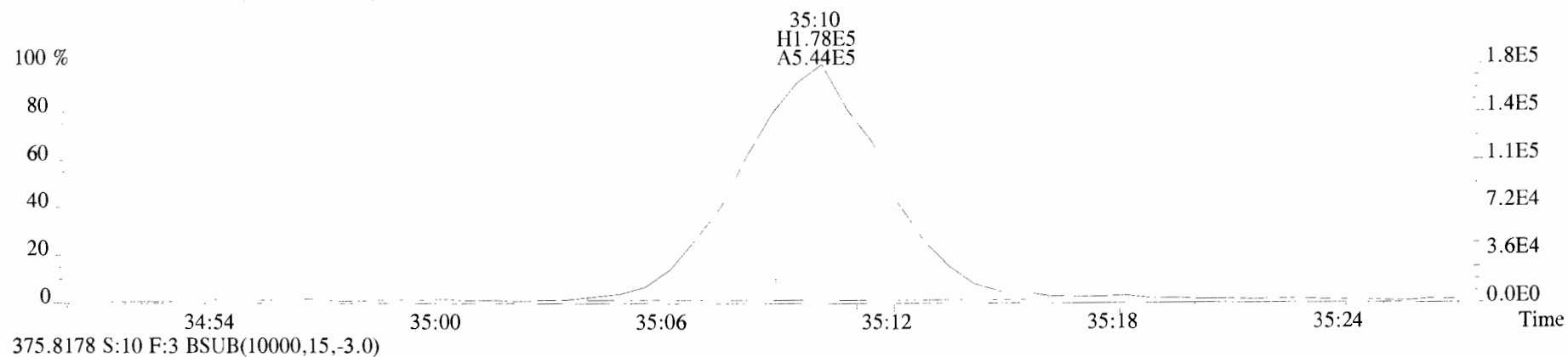


File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
373.8207 S:10 F:3 BSUB(10000,15,-3.0)

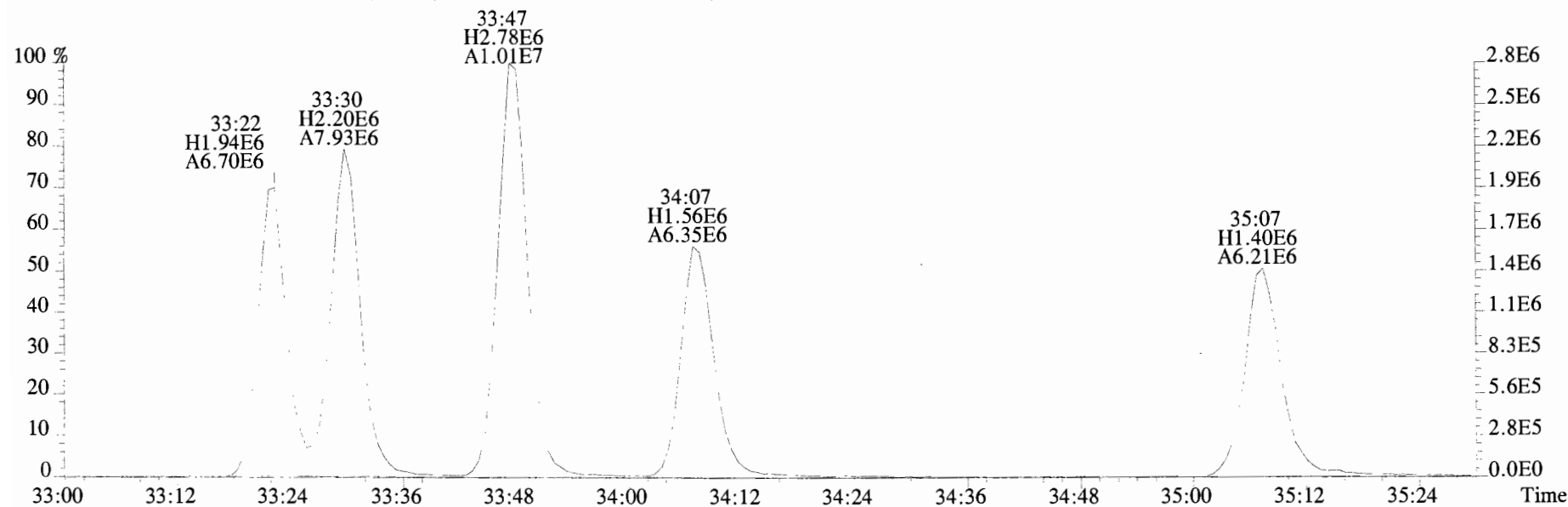
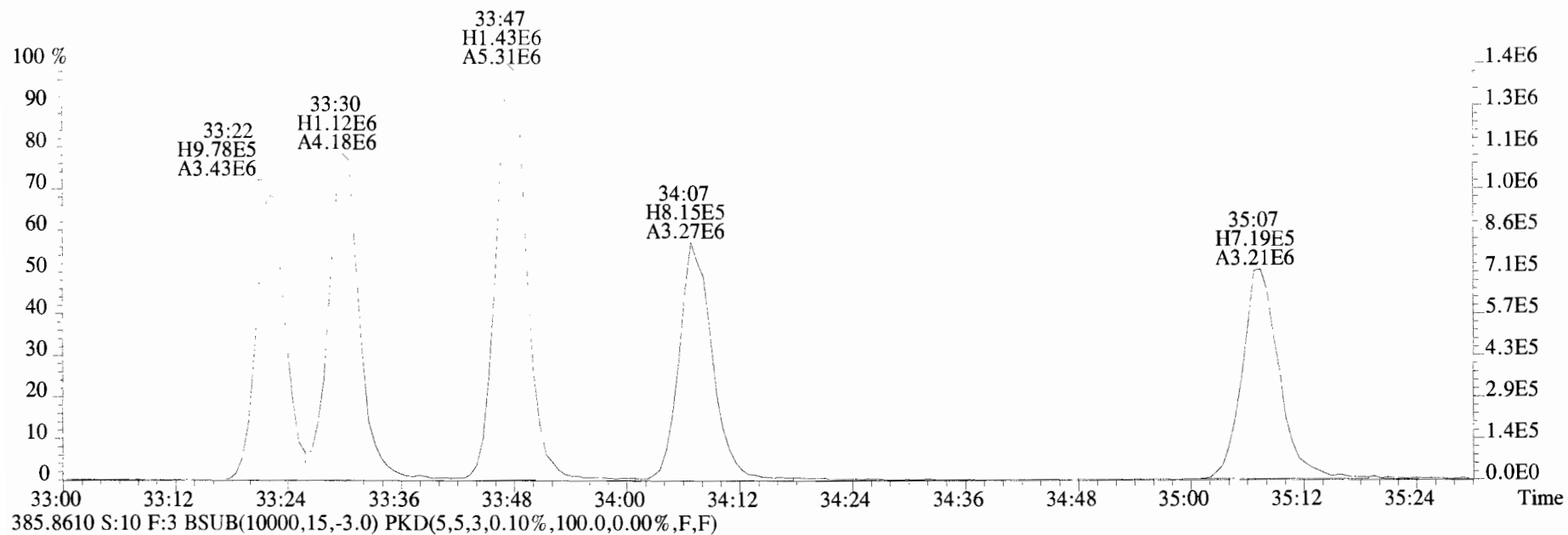




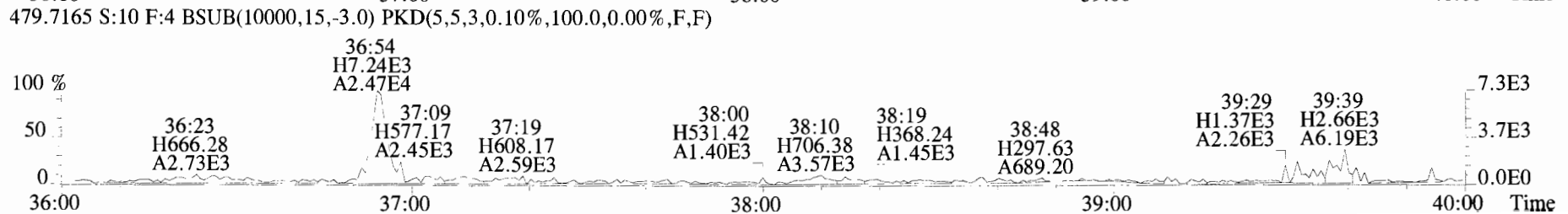
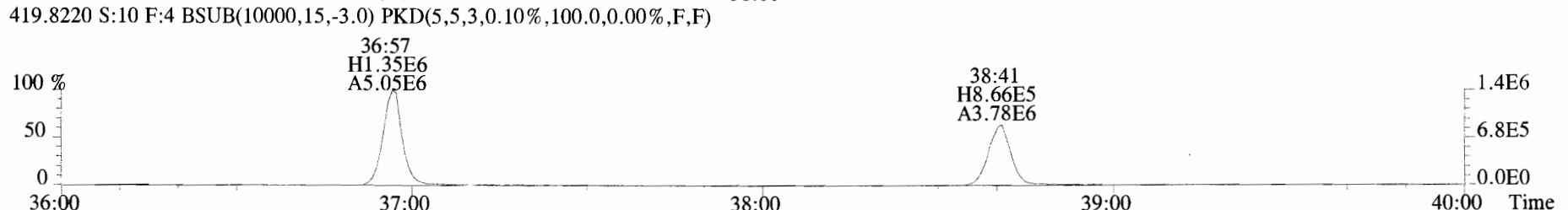
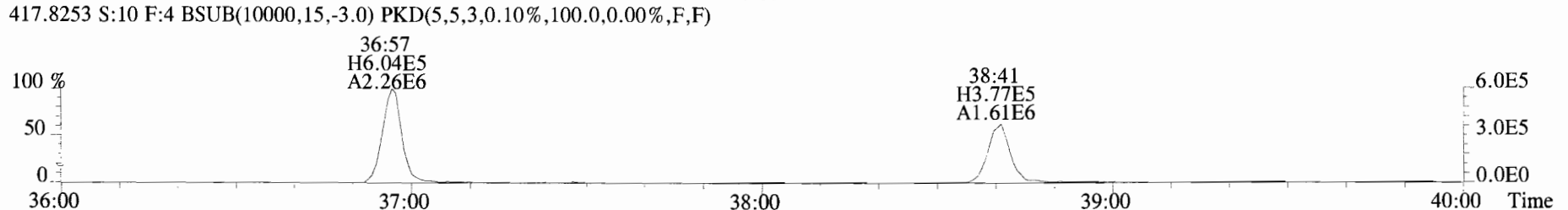
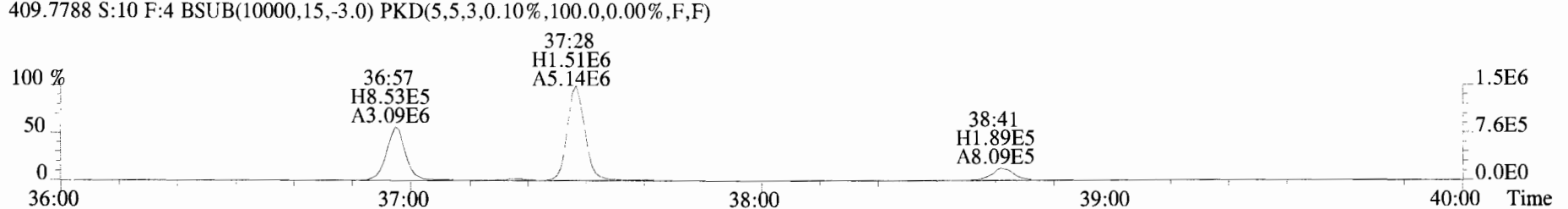
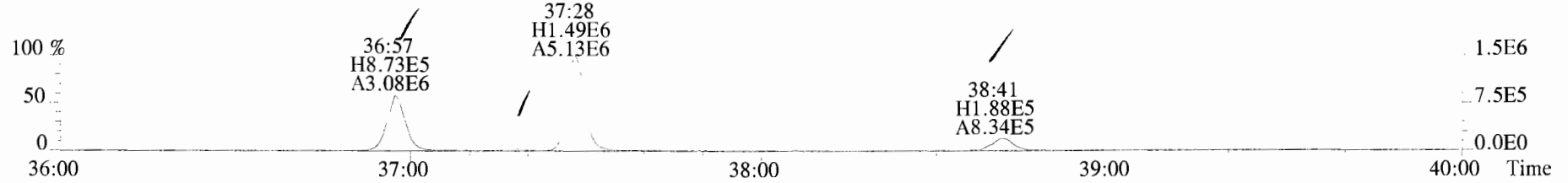
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
373.8207 S:10 F:3 BSUB(10000,15,-3.0)



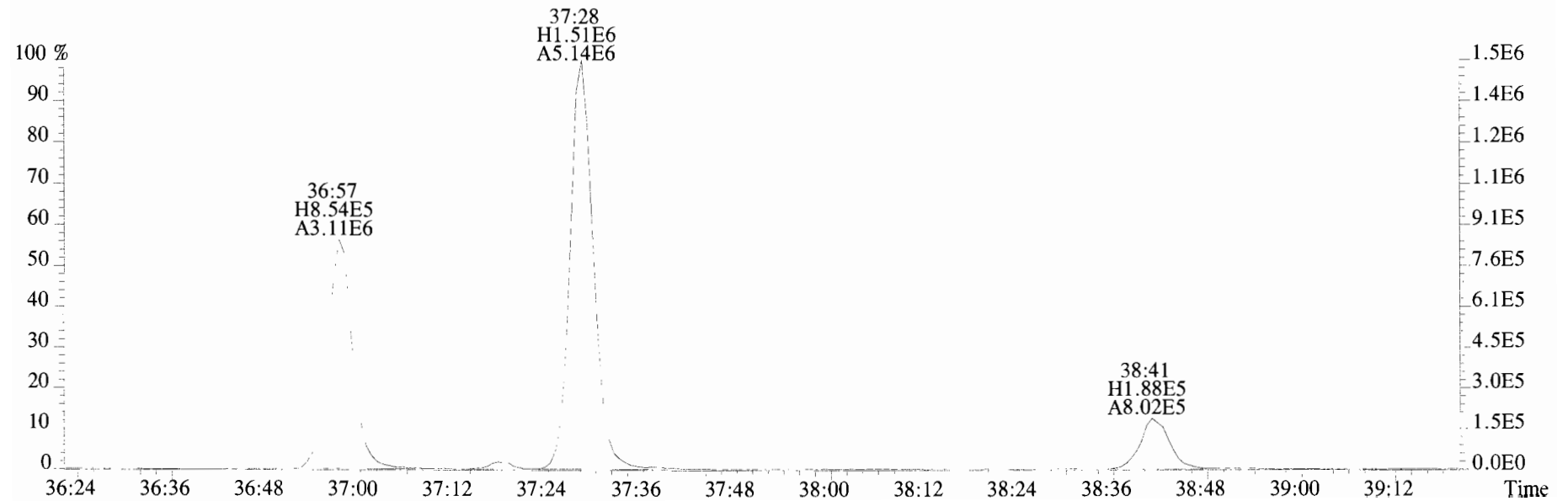
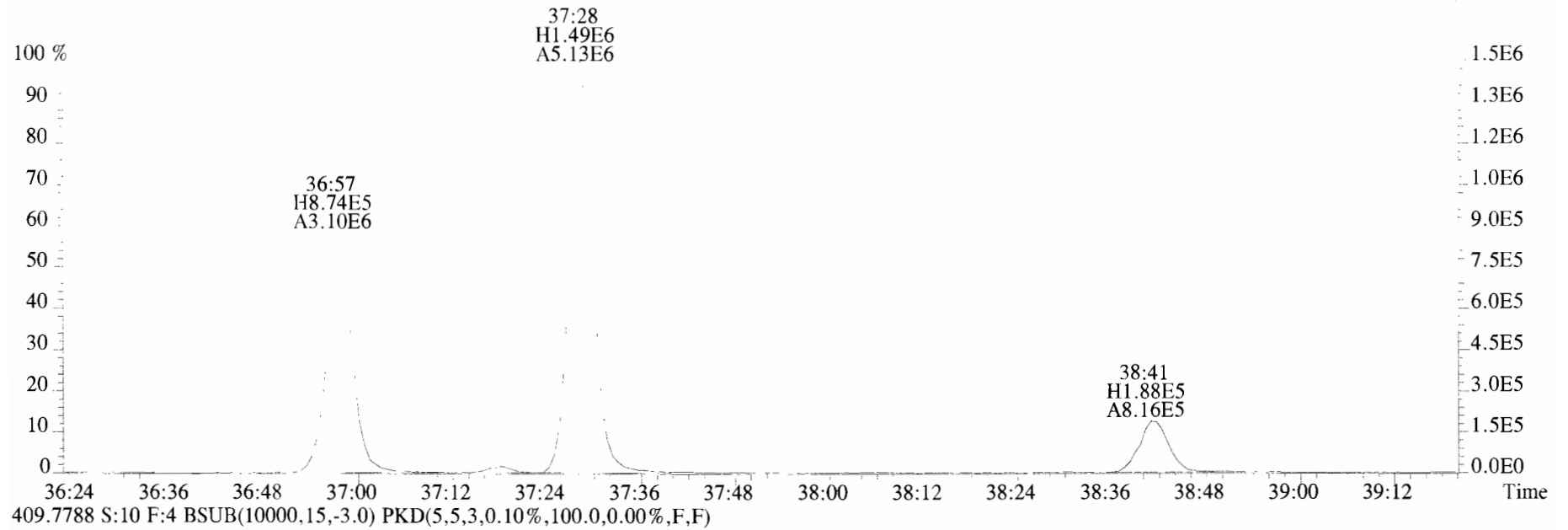
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 383.8639 S:10 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



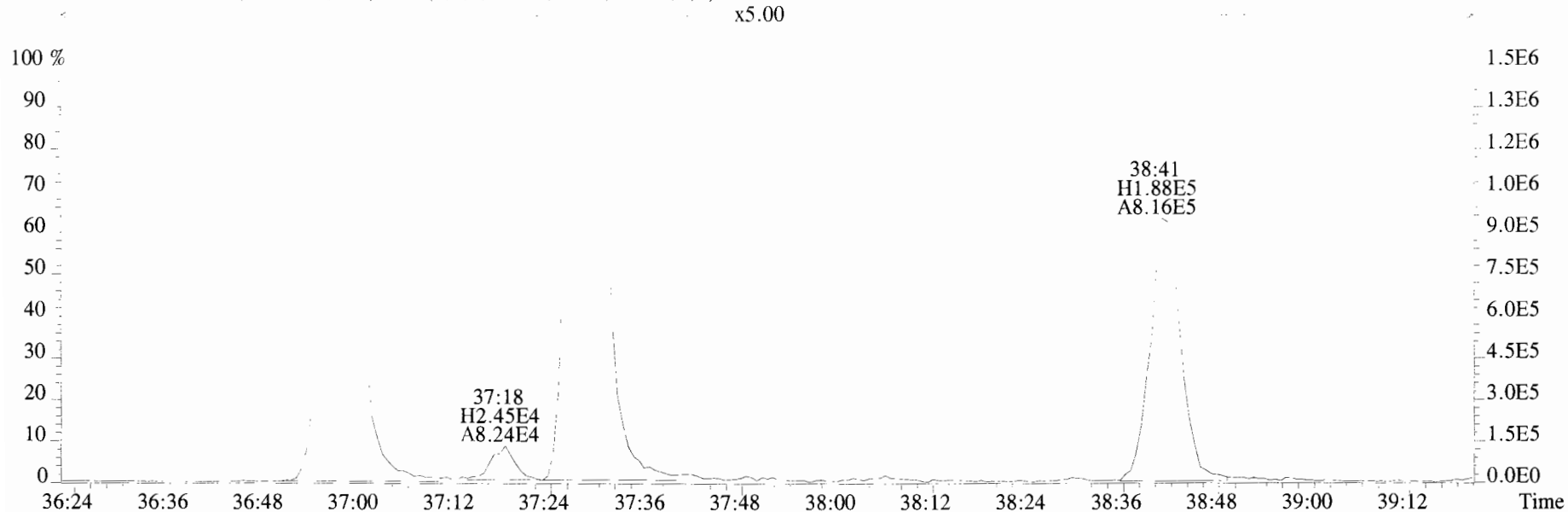
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 407.7818 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



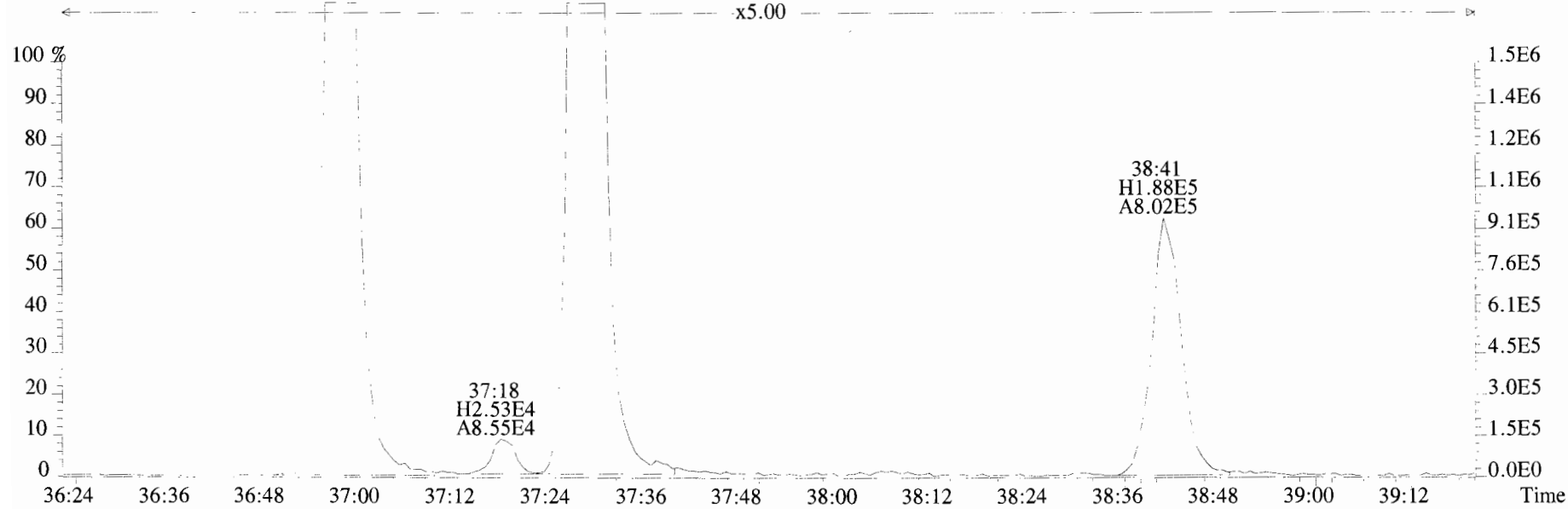
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
407.7818 S:10 F:4 BSub(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



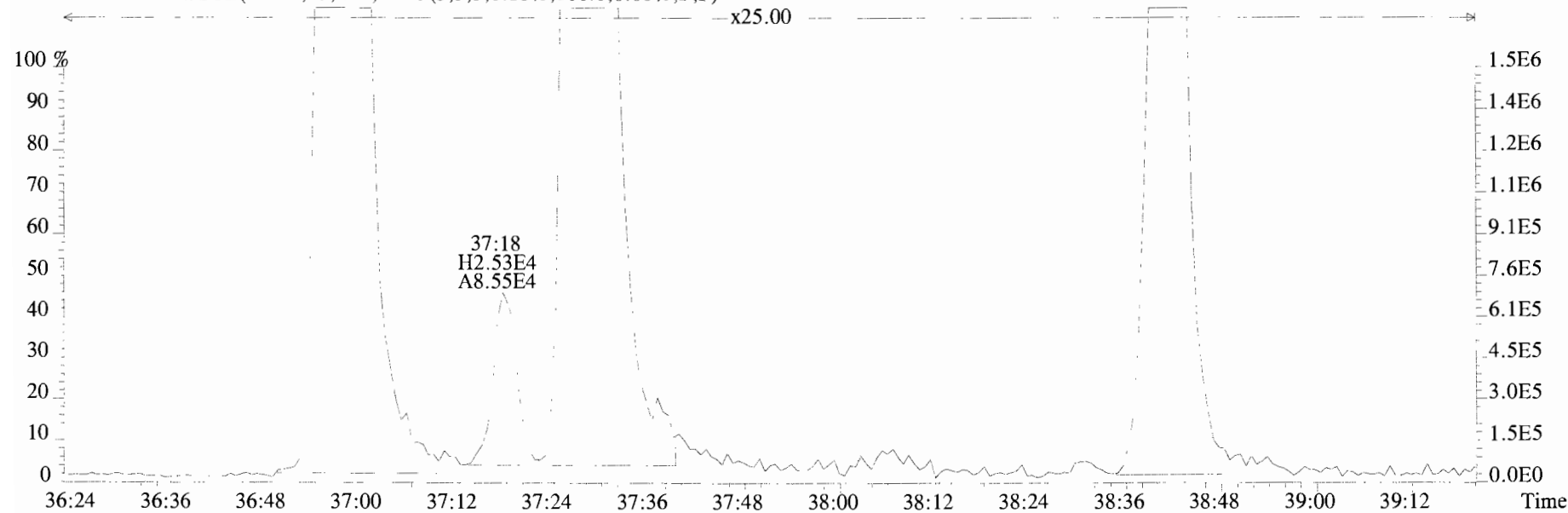
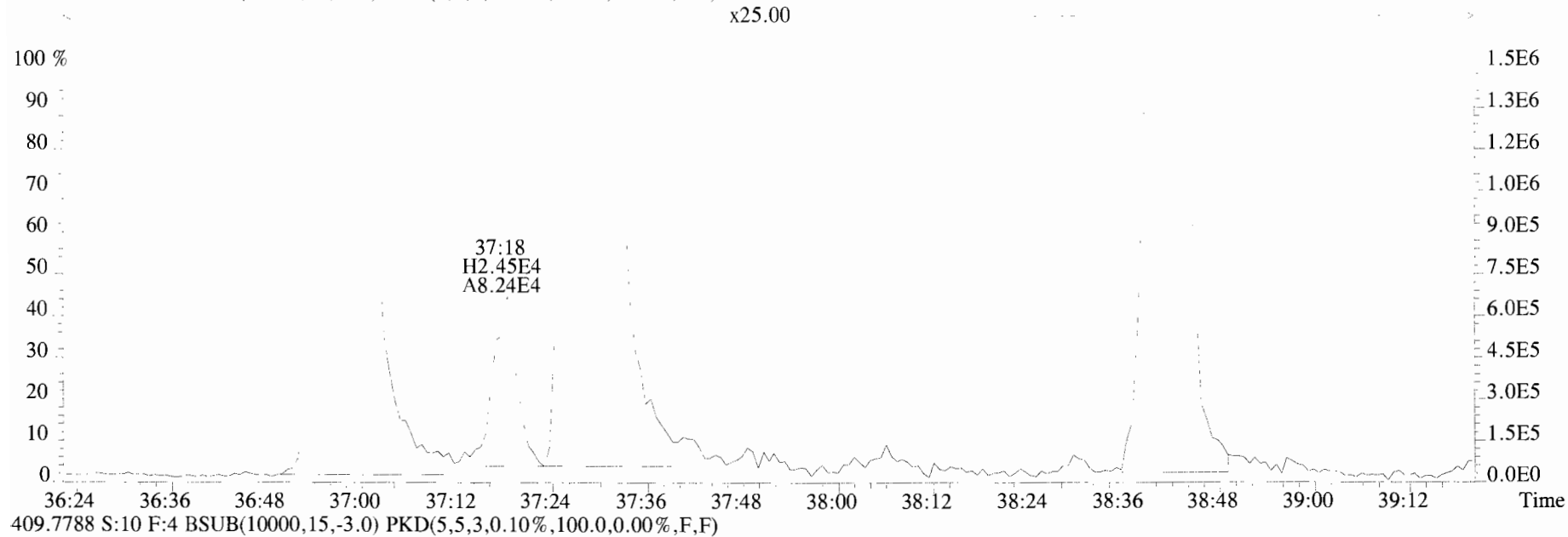
File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
407.7818 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



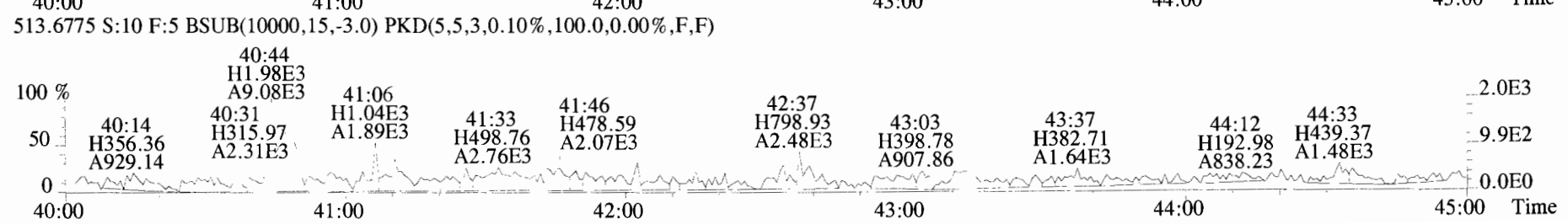
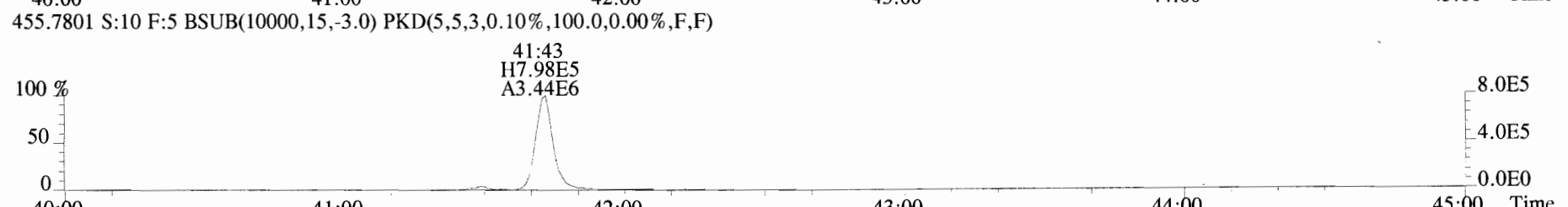
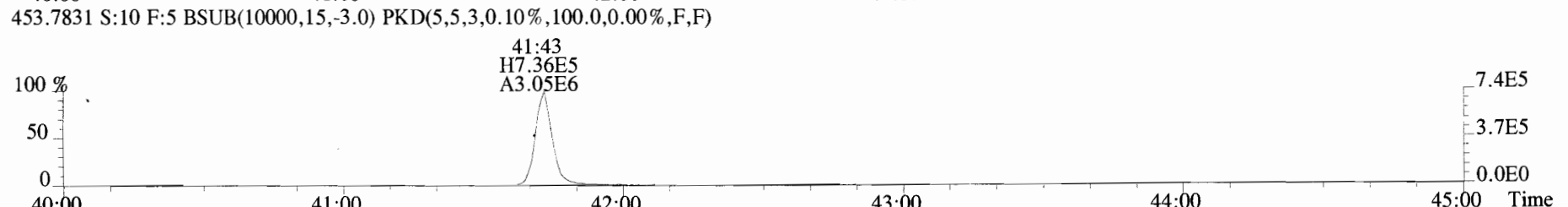
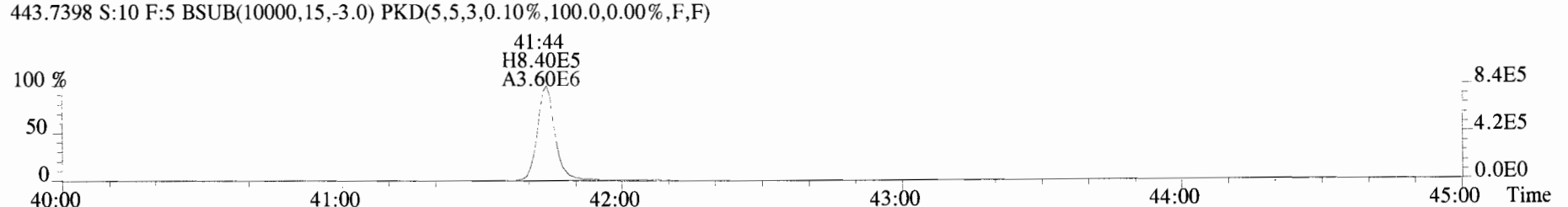
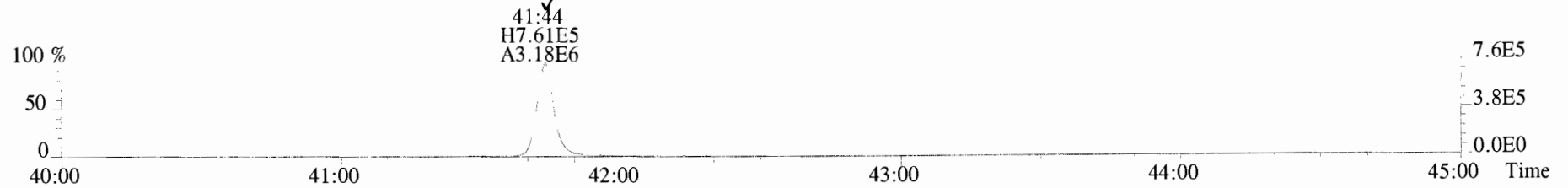
409.7788 S:10 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191011D2 #1-355 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
407.7818 S:10 F:4 BSub(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



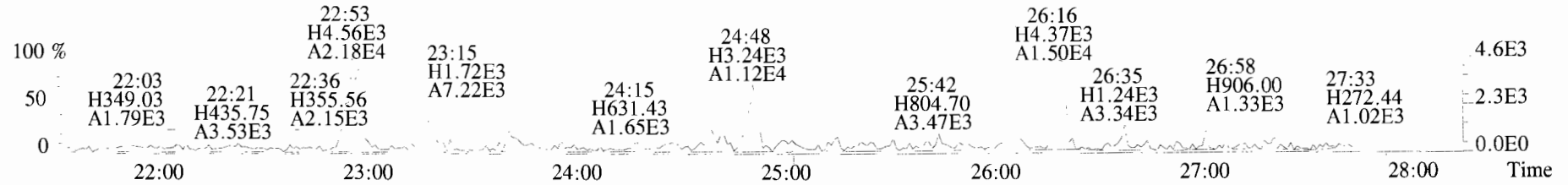
File:191011D2 #1-432 Acq:12-OCT-2019 08:27:26 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:1903285-02 PDI-1014SG-00-0.78-190923 18.61 Exp:OCDD_DB5
 441.7428 S:10 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



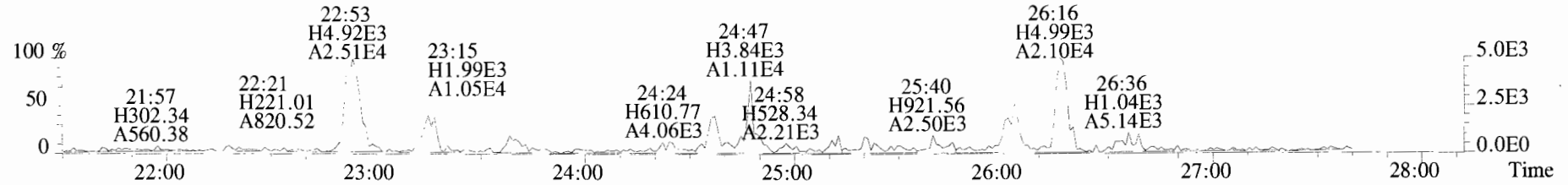
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	*	* n	0.91	NotF η	*	*	* 2.5	*	*	Total Tetra-Dioxins	*	*	*	*	*
1,2,3,7,8-PeCDD	*	* n	0.90	NotF η	*	*	* 2.5	*	*	Total Penta-Dioxins	*	*	*	*	*
1,2,3,4,7,8-HxCDD	*	* n	1.10	NotF η	*	*	* 2.5	*	*	Total Hexa-Dioxins	*	*	*	*	*
1,2,3,6,7,8-HxCDD	*	* n	0.94	NotF η	*	*	* 2.5	*	*	Total Hepta-Dioxins	*	*	*	*	*
1,2,3,7,8,9-HxCDD	*	* n	0.96	NotF η	*	*	* 2.5	*	*	Total Tetra-Furans	*	*	*	*	*
1,2,3,4,6,7,8-HpCDD	*	* n	0.98	NotF η	*	*	* 2.5	*	*	Total Penta-Furans	0.0000	0.0000	*	*	*
OCDD	5.74e+06	0.90 y	0.96	41:19	7387.0	*	* 2.5	*	*	Total Hexa-Furans	*	*	*	*	*
										Total Hepta-Furans	*	*	*	*	*
2,3,7,8-TCDF	*	* n	0.95	NotF η	*	*	* 2.5	*	*						
1,2,3,7,8-PeCDF	*	* n	0.96	NotF η	*	*	* 2.5	*	*						
2,3,4,7,8-PeCDF	*	* n	1.01	NotF η	*	*	* 2.5	*	*						
1,2,3,4,7,8-HxCDF	*	* n	1.18	NotF η	*	*	* 2.5	*	*						
1,2,3,6,7,8-HxCDF	*	* n	1.07	NotF η	*	*	* 2.5	*	*						
2,3,4,6,7,8-HxCDF	*	* n	1.11	NotF η	*	*	* 2.5	*	*						
1,2,3,7,8,9-HxCDF	*	* n	1.06	NotF η	*	*	* 2.5	*	*						
1,2,3,4,6,7,8-HpCDF	*	* n	1.13	NotF η	*	*	* 2.5	*	*						
1,2,3,4,7,8,9-HpCDF	*	* n	1.28	NotF η	*	*	* 2.5	*	*						
OCDF	*	* n	0.95	NotF η	*	*	* 2.5	*	*						
										Rec	Qual				
IS	13C-2,3,7,8-TCDD	1.07e+06	0.75 y	1.10	26:15	162.84				84.0					
IS	13C-1,2,3,7,8-PeCDD	8.89e+05	0.64 y	0.88	30:46	167.95				86.6					
IS	13C-1,2,3,4,7,8-HxCDD	6.40e+05	1.23 y	0.64	34:06	168.18				86.7					
IS	13C-1,2,3,6,7,8-HxCDD	6.98e+05	1.25 y	0.86	34:12	137.79				71.1					
IS	13C-1,2,3,7,8,9-HxCDD	6.84e+05	1.34 y	0.81	34:30	143.21				73.9					
IS	13C-1,2,3,4,6,7,8-HpCDD	4.26e+05	0.98 y	0.65	37:58	110.02				56.7					
IS	13C-OCDD	3.14e+05	0.91 y	0.58	41:18	91.496				23.6					
IS	13C-2,3,7,8-TCDF	1.34e+06	0.85 y	1.03	25:29	140.76				72.6					
IS	13C-1,2,3,7,8-PeCDF	1.22e+06	1.58 y	0.85	29:36	155.01				79.9					
IS	13C-2,3,4,7,8-PeCDF	1.25e+06	1.59 y	0.85	30:29	161.28				83.2					
IS	13C-1,2,3,4,7,8-HxCDF	7.84e+05	0.52 y	0.83	33:12	159.14				82.1					
IS	13C-1,2,3,6,7,8-HxCDF	9.38e+05	0.52 y	1.03	33:20	153.00				78.9					
IS	13C-2,3,4,6,7,8-HxCDF	7.35e+05	0.52 y	0.95	33:56	130.11				67.1					
IS	13C-1,2,3,7,8,9-HxCDF	7.48e+05	0.49 y	0.83	34:53	152.57				78.7					
IS	13C-1,2,3,4,6,7,8-HpCDF	6.00e+05	0.43 y	0.76	36:45	133.61				68.9					
IS	13C-1,2,3,4,7,8,9-HpCDF	4.31e+05	0.43 y	0.58	38:31	125.27				64.6					
IS	13C-OCDF	6.07e+05	0.86 y	0.69	41:32	148.81				38.4					
C/Up	37C1-2,3,7,8-TCDD	4.72e+05		1.20	26:17	65.567				84.5					
RS/RT	13C-1,2,3,4-TCDD	1.16e+06	0.77 y	1.00	25:42	193.89									
RS	13C-1,2,3,4-TCDF	1.78e+06	0.80 y	1.00	24:16	193.89									
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.15e+06	0.53 y	1.00	33:37	193.89									

Integrations Reviewed
 by Analyst: DB by Analyst: CT
 Date: 10/30/19 Date: 10/31/19

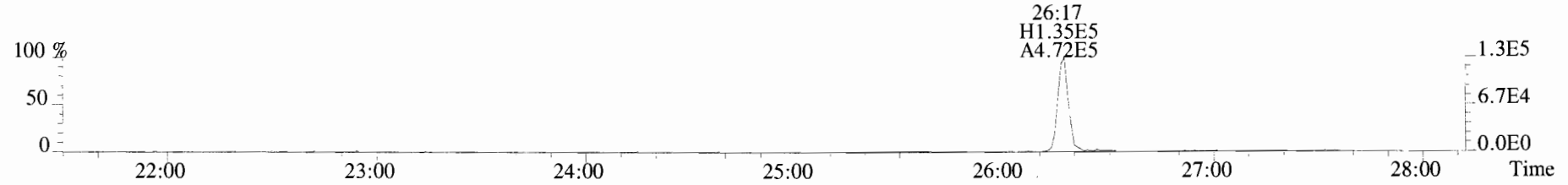
File:191029D1 #1-492 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_f
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



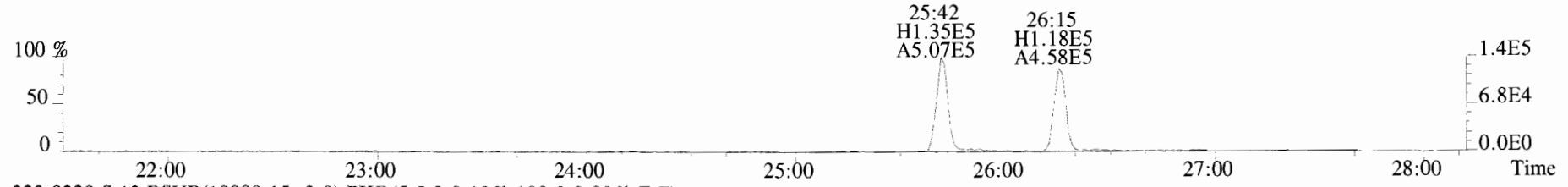
321.8936 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



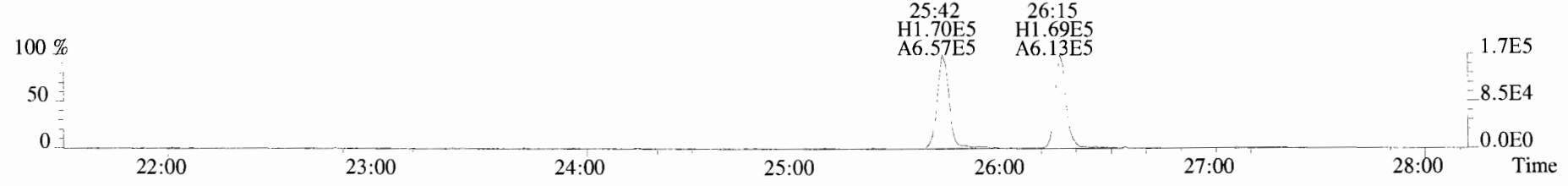
327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



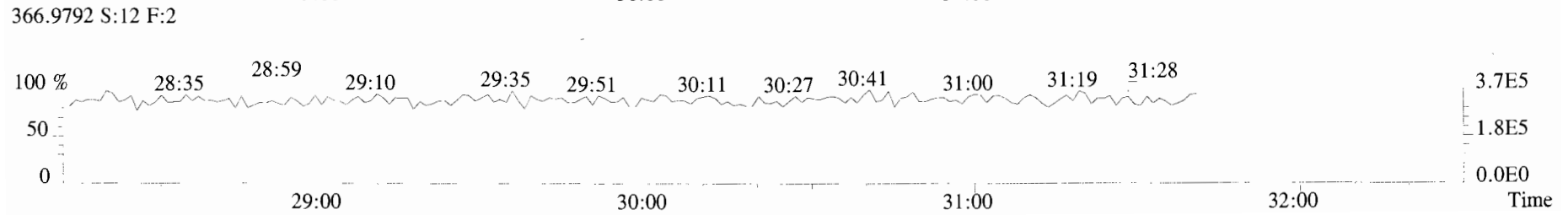
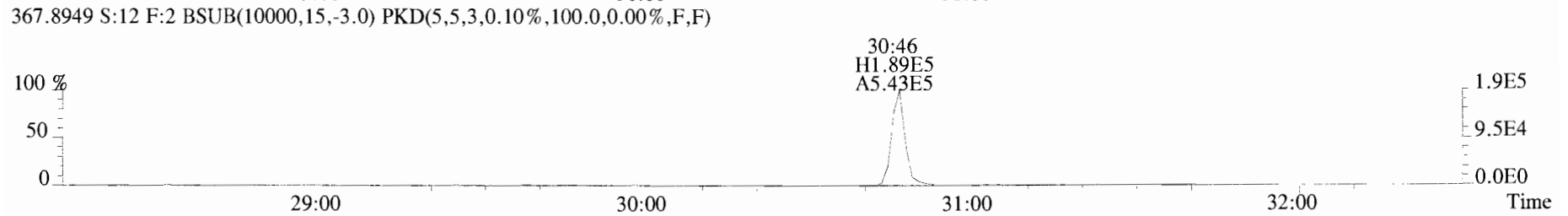
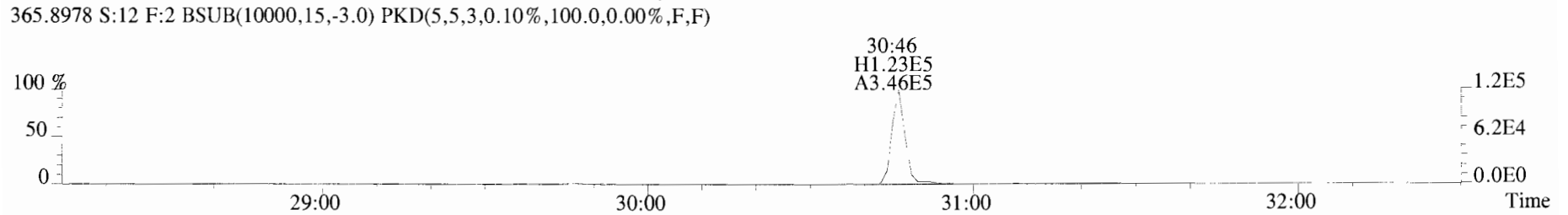
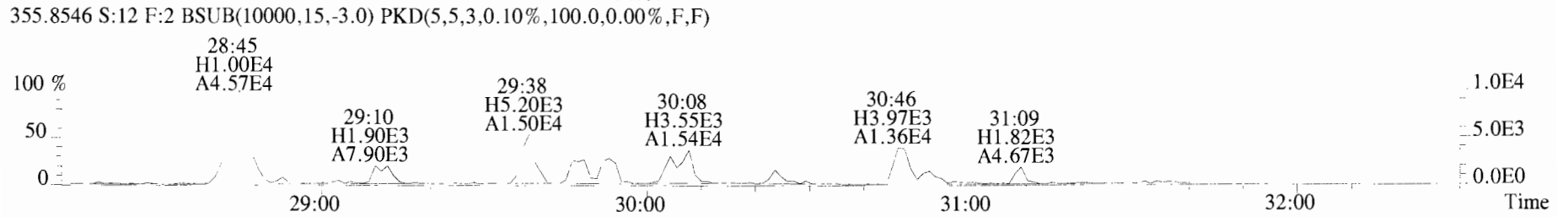
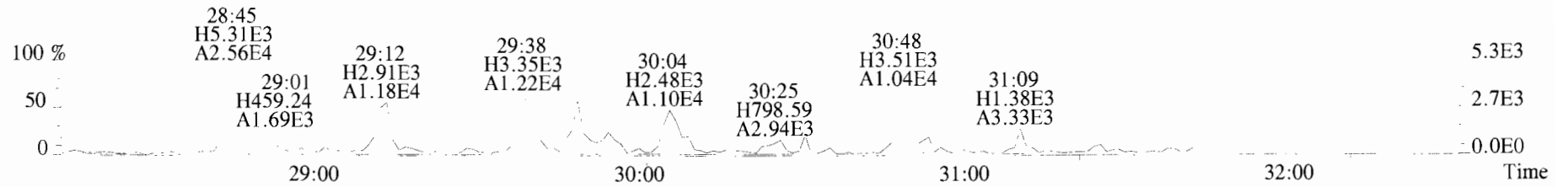
331.9368 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



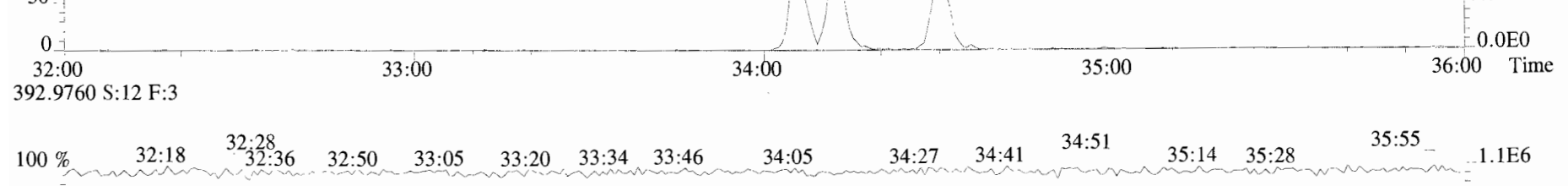
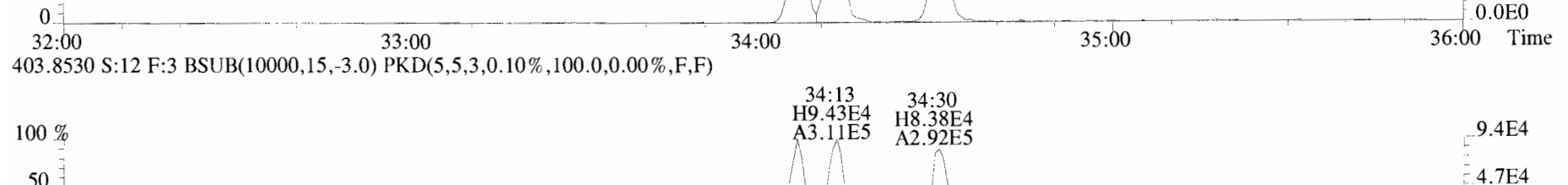
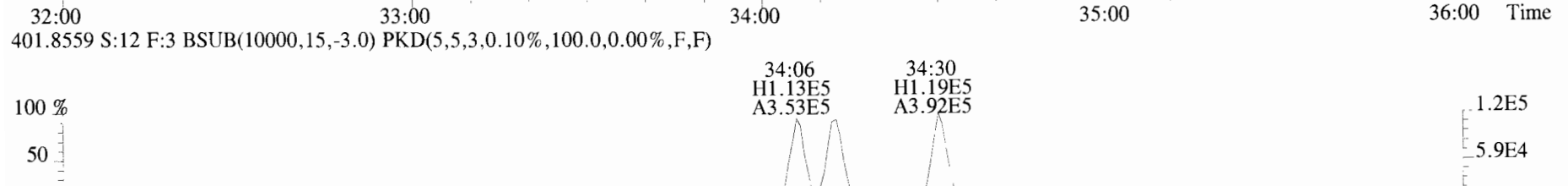
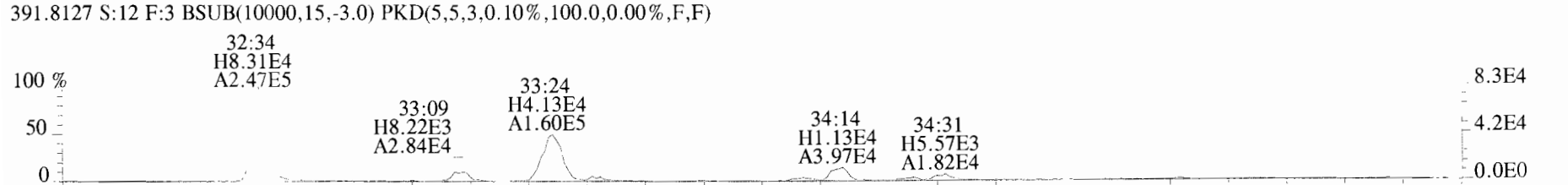
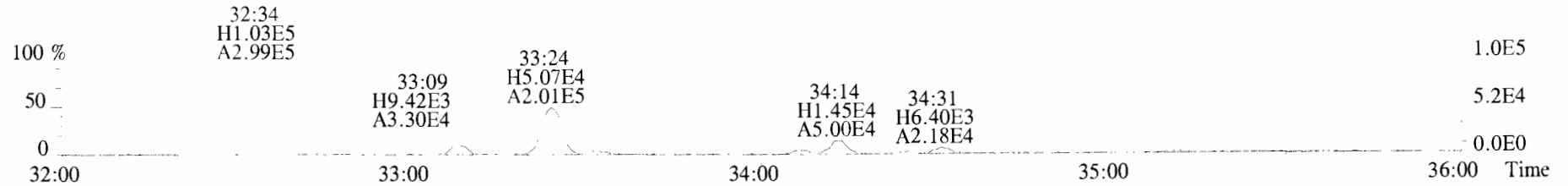
333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



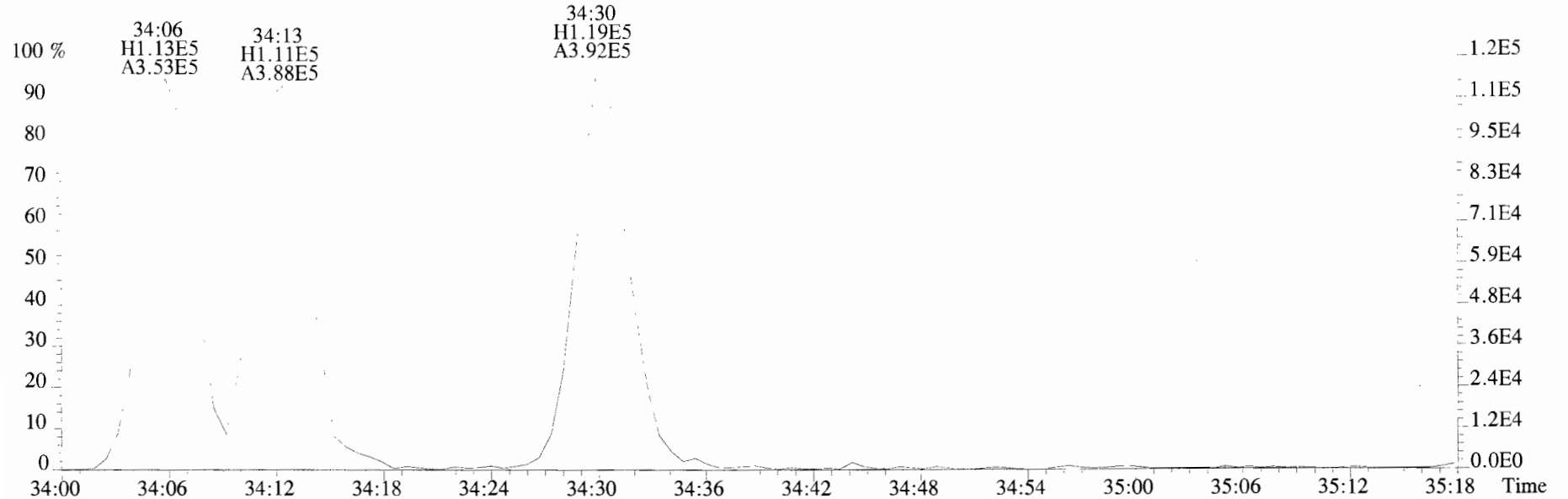
File:191029D1 #1-211 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Viata Analytical Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_£
 353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



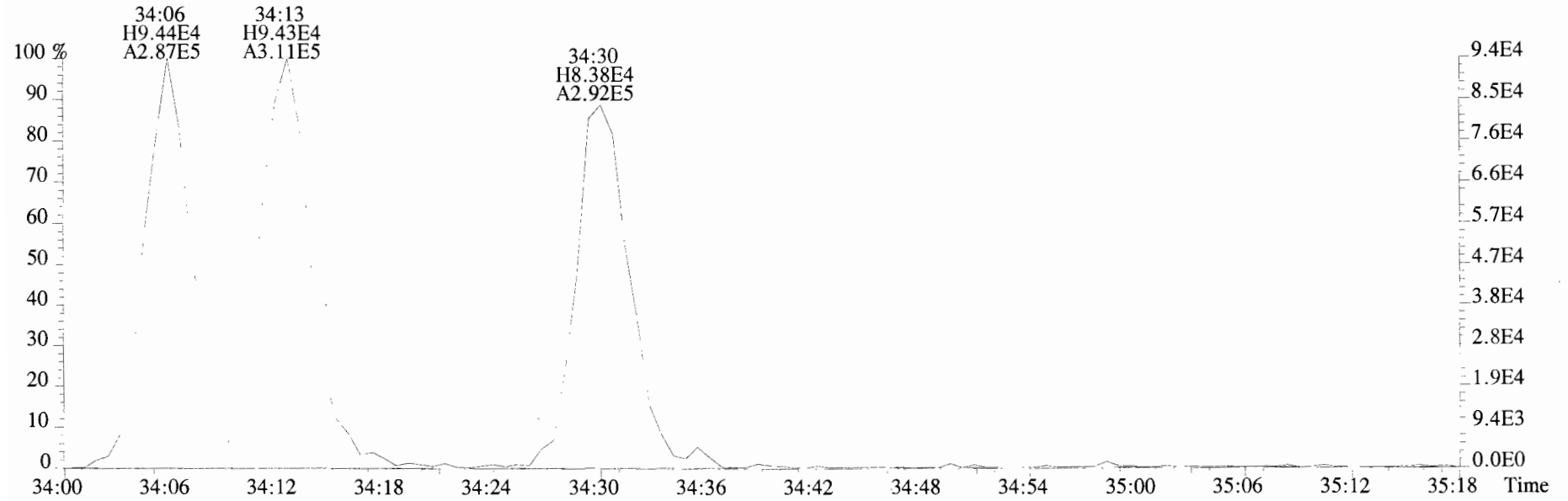
File:191029D1 #1-384 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_£
 389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



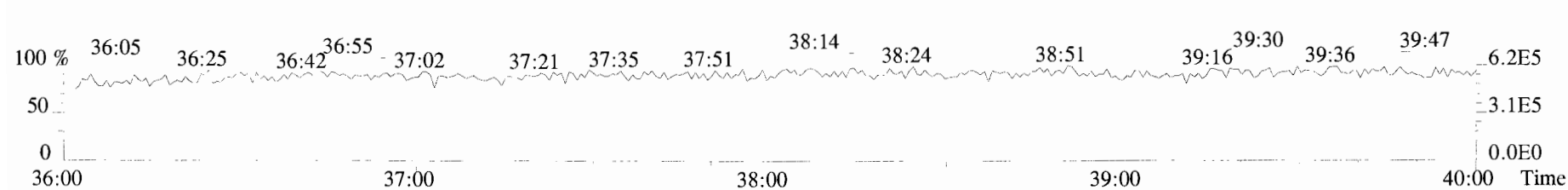
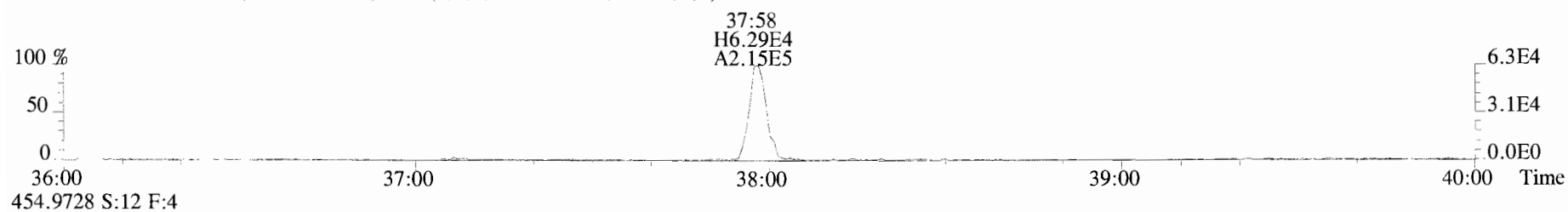
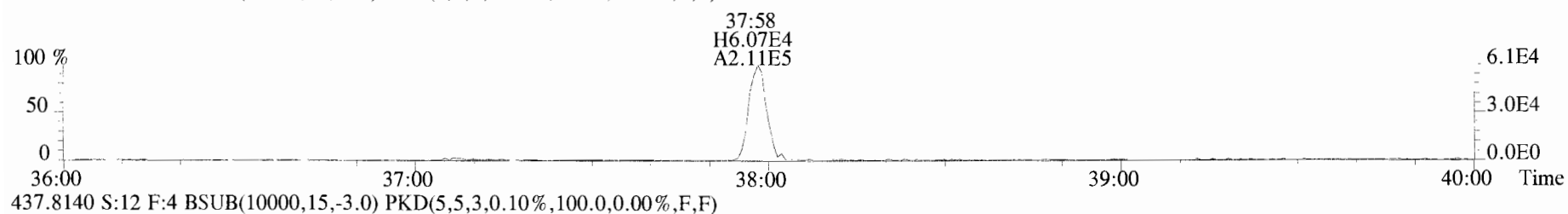
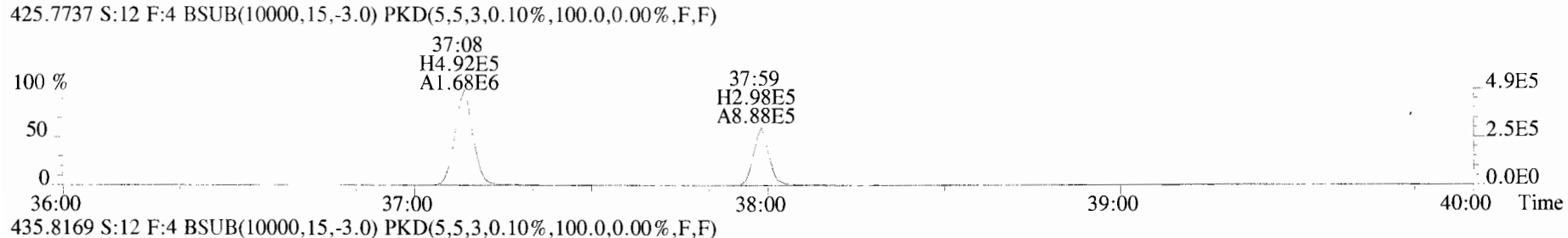
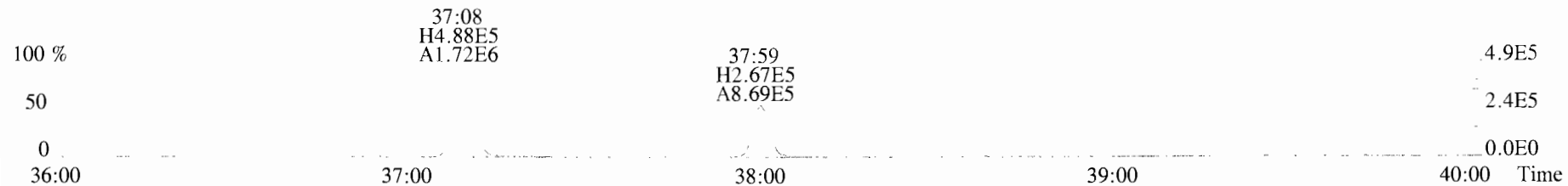
File:191029D1 #1-384 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata Analytical Laboratory VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_f
401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



403.8530 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



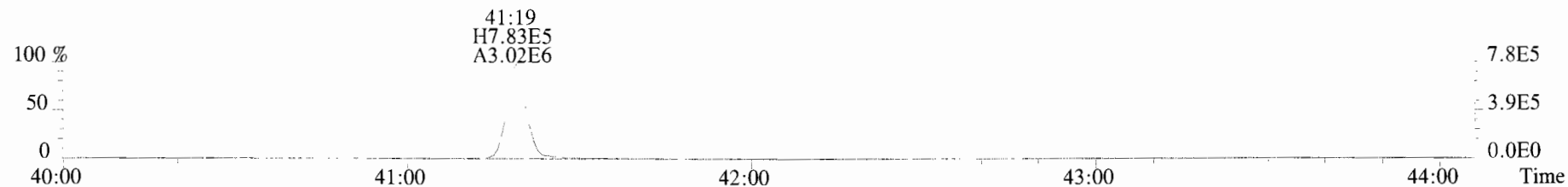
File:191029D1 #1-356 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_f
423.7767 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



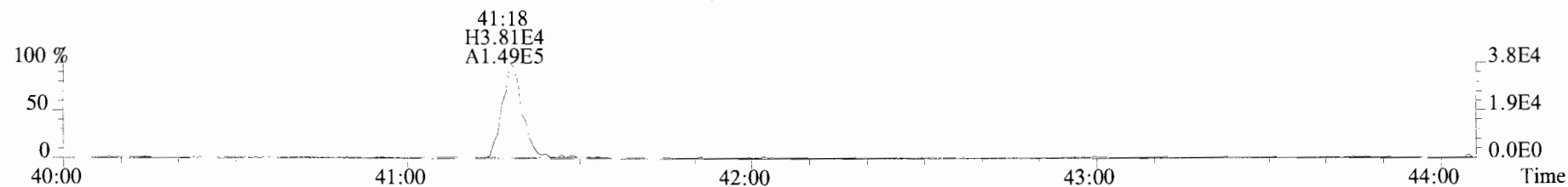
File:191029D1 #1-431 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_f
457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



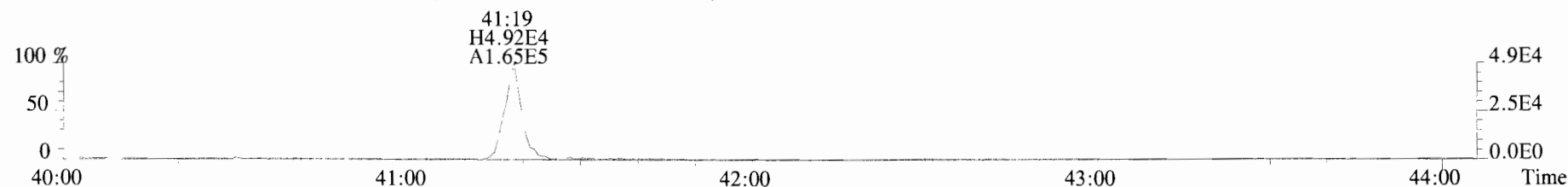
459.7348 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



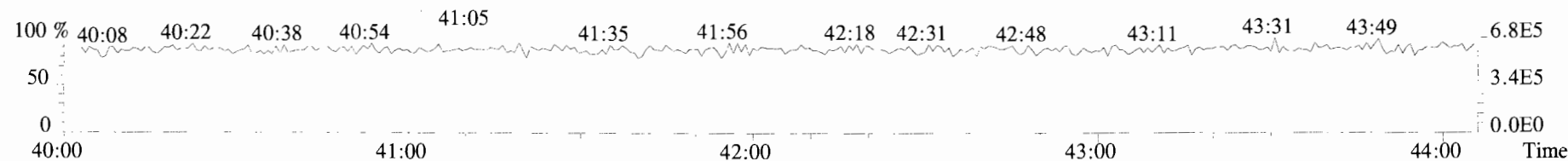
469.7780 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



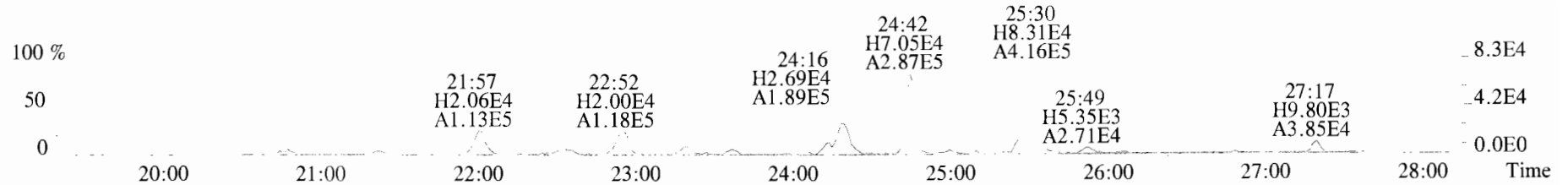
471.7750 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



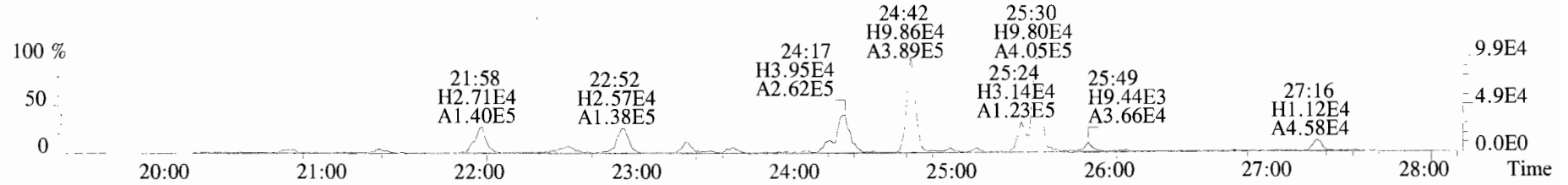
454.9728 S:12 F:5



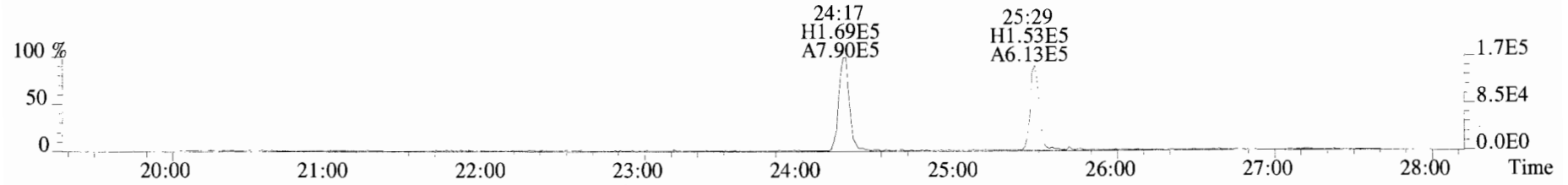
File:191029D1 #1-492 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata Analytical Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_f
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



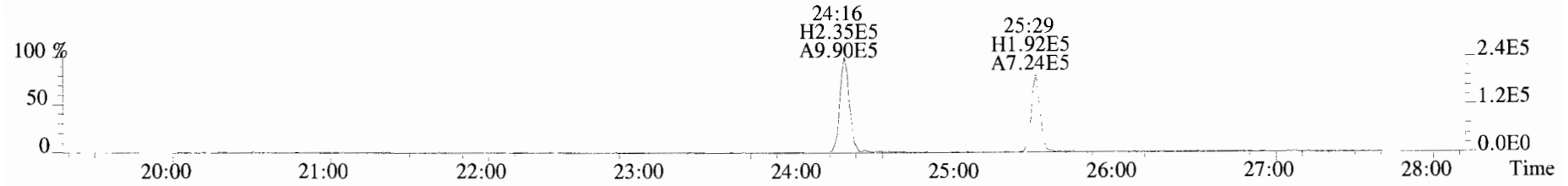
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



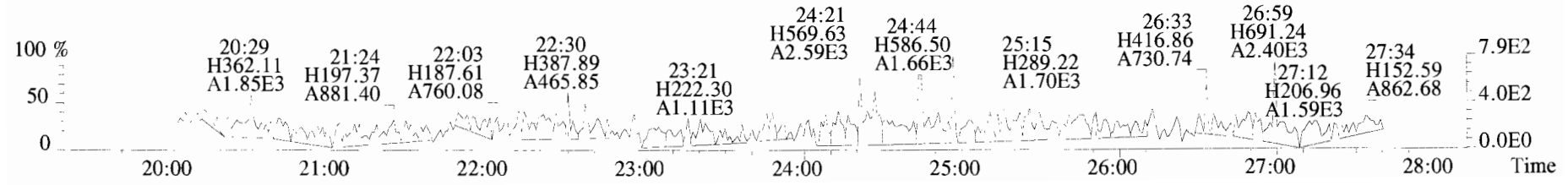
315.9419 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



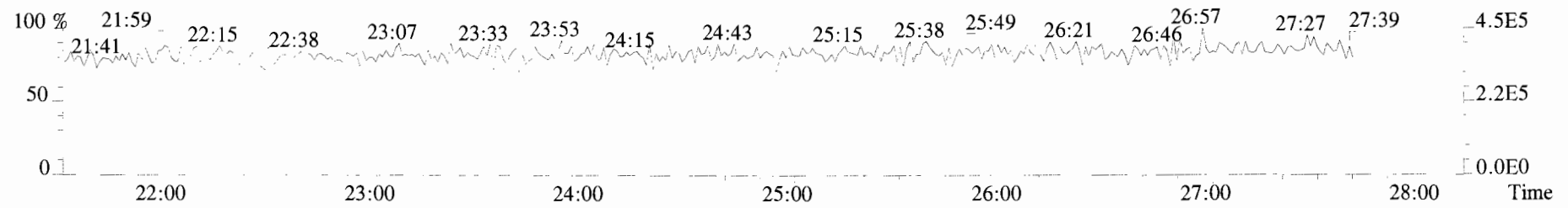
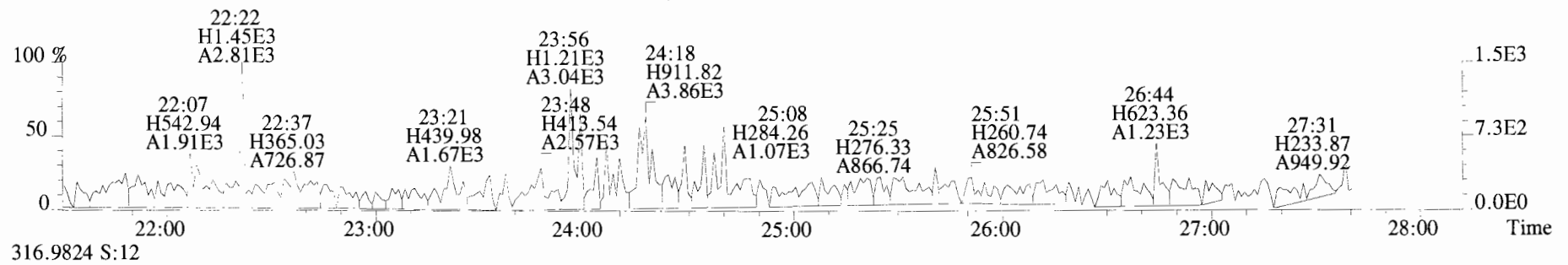
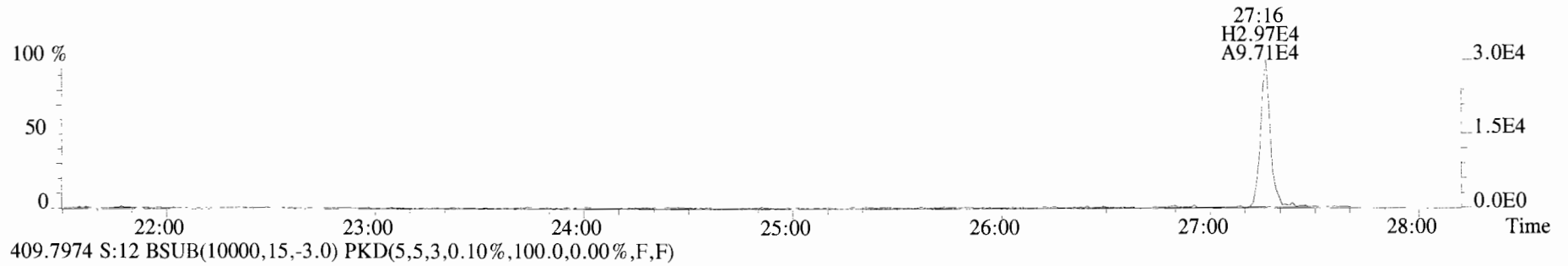
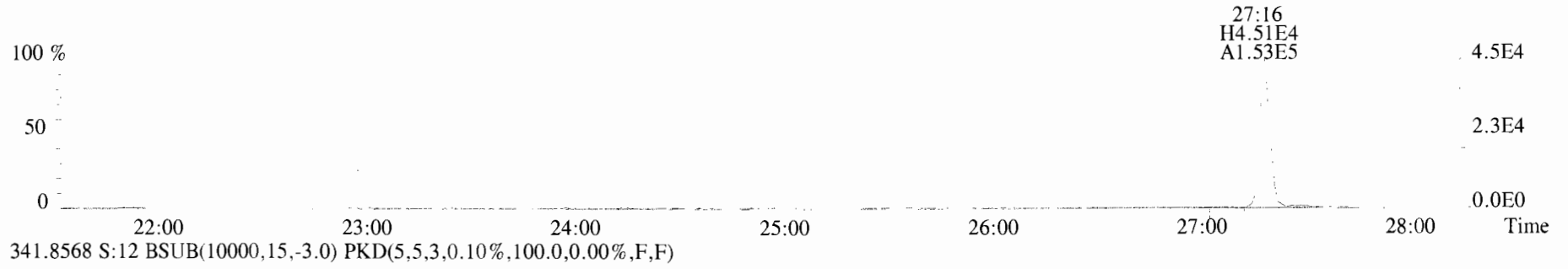
317.9389 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



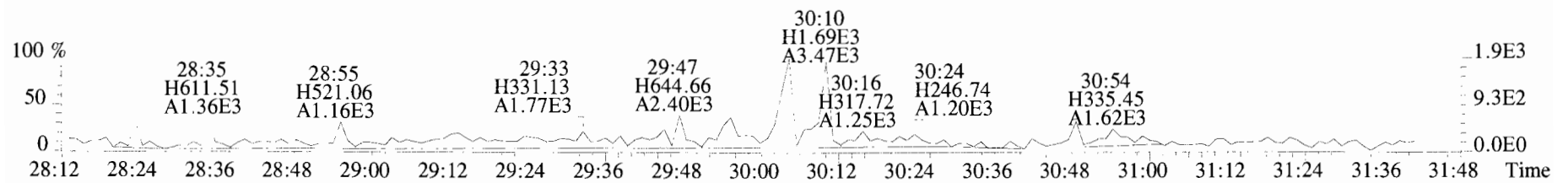
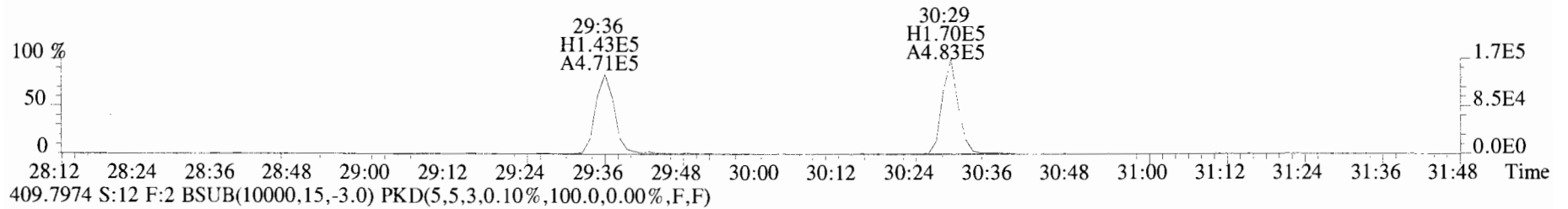
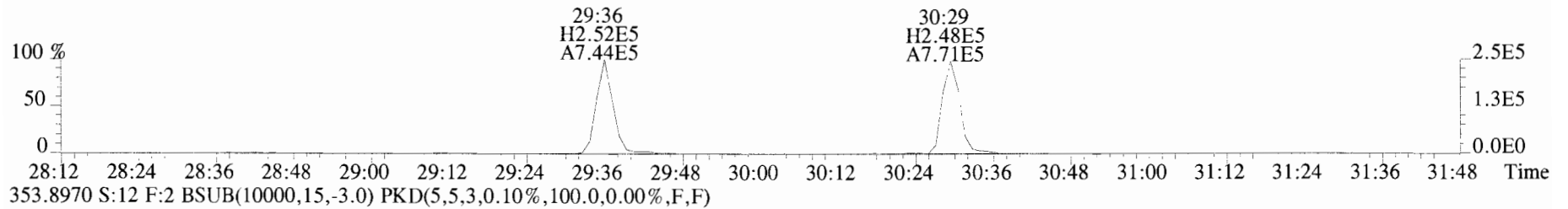
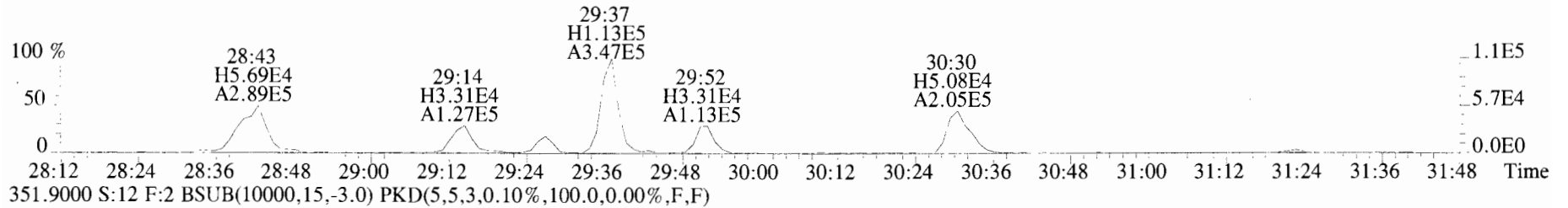
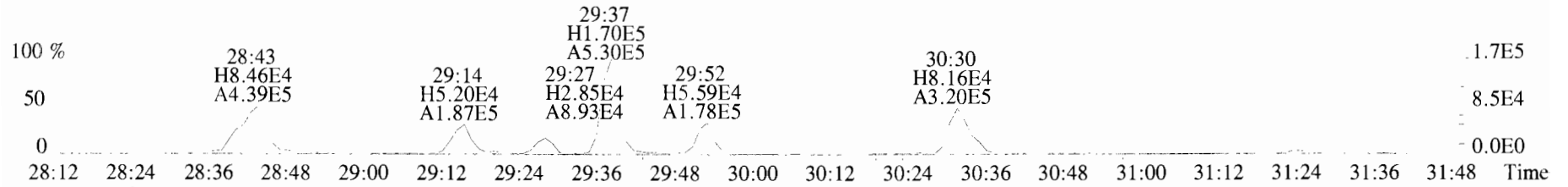
375.8364 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



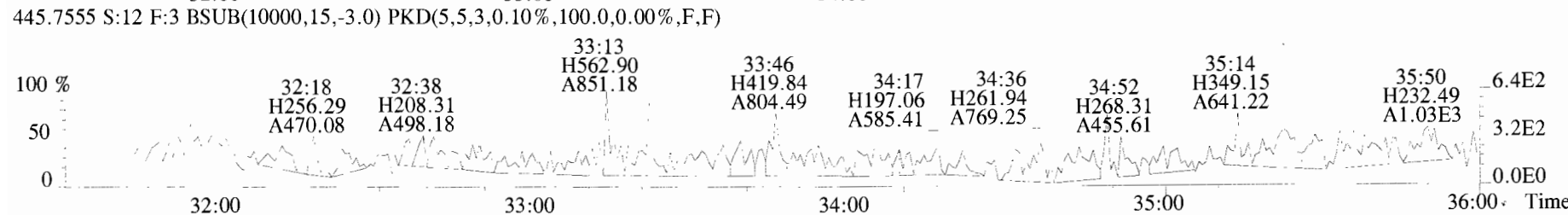
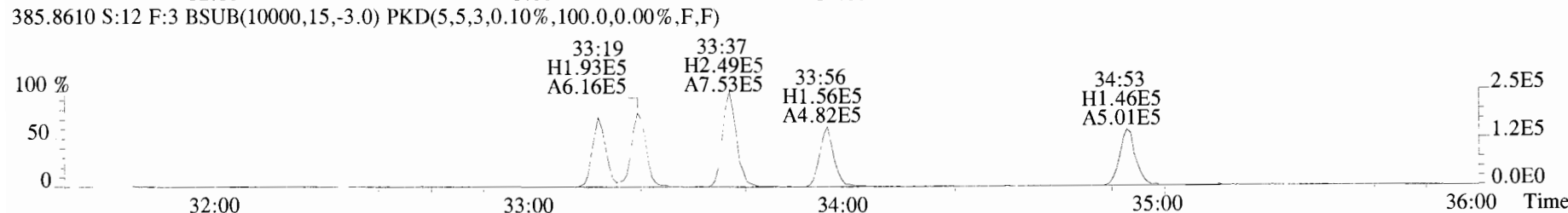
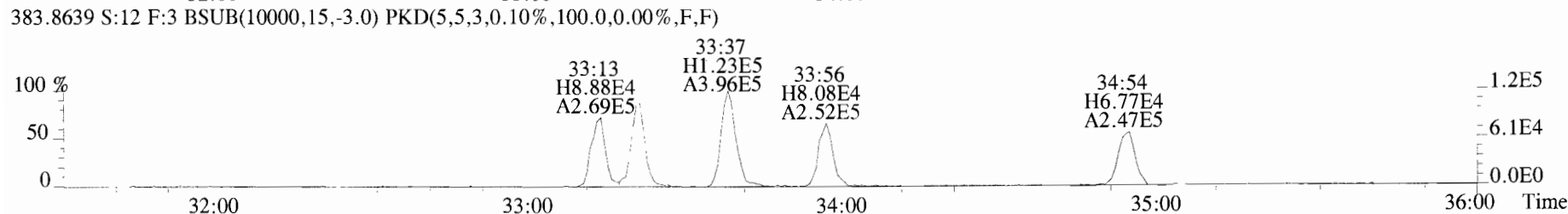
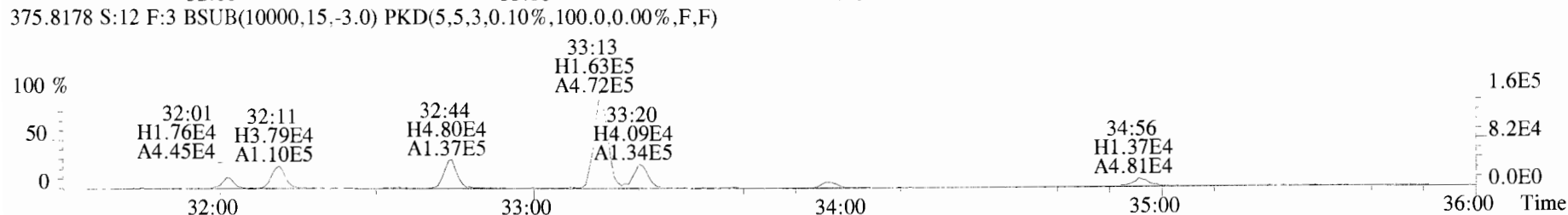
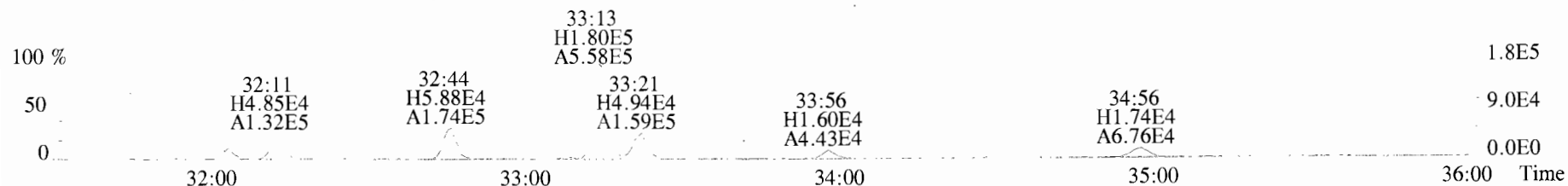
File:191029D1 #1-492 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Viata Analytical Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_f
 339.8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



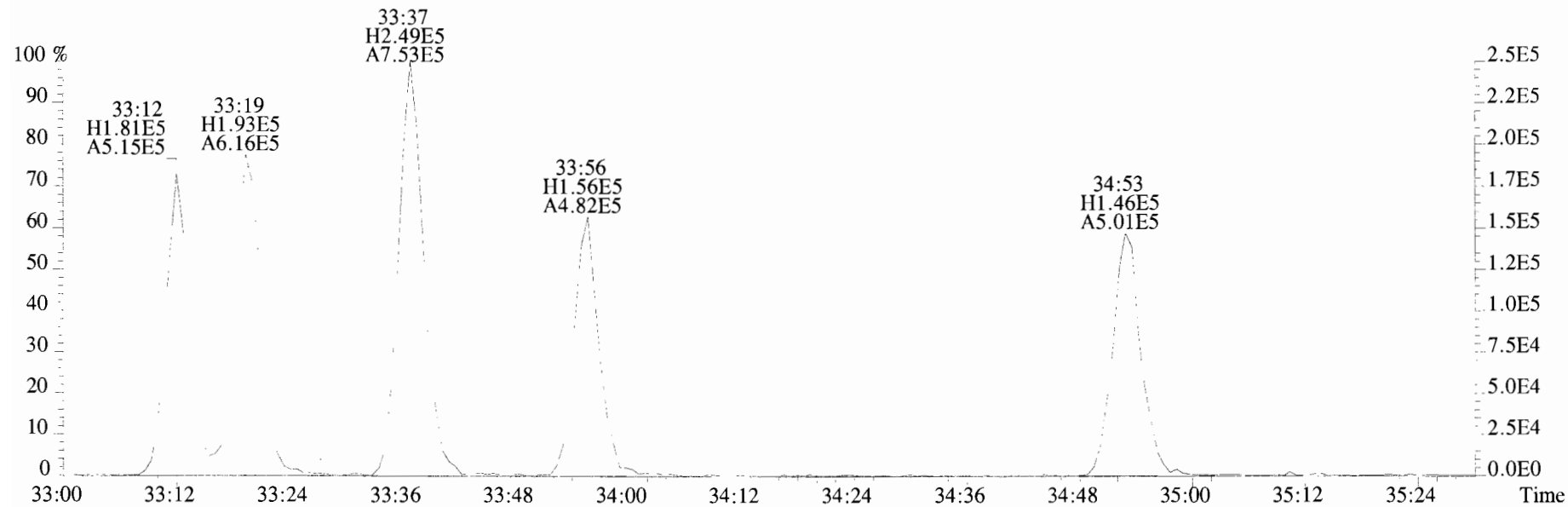
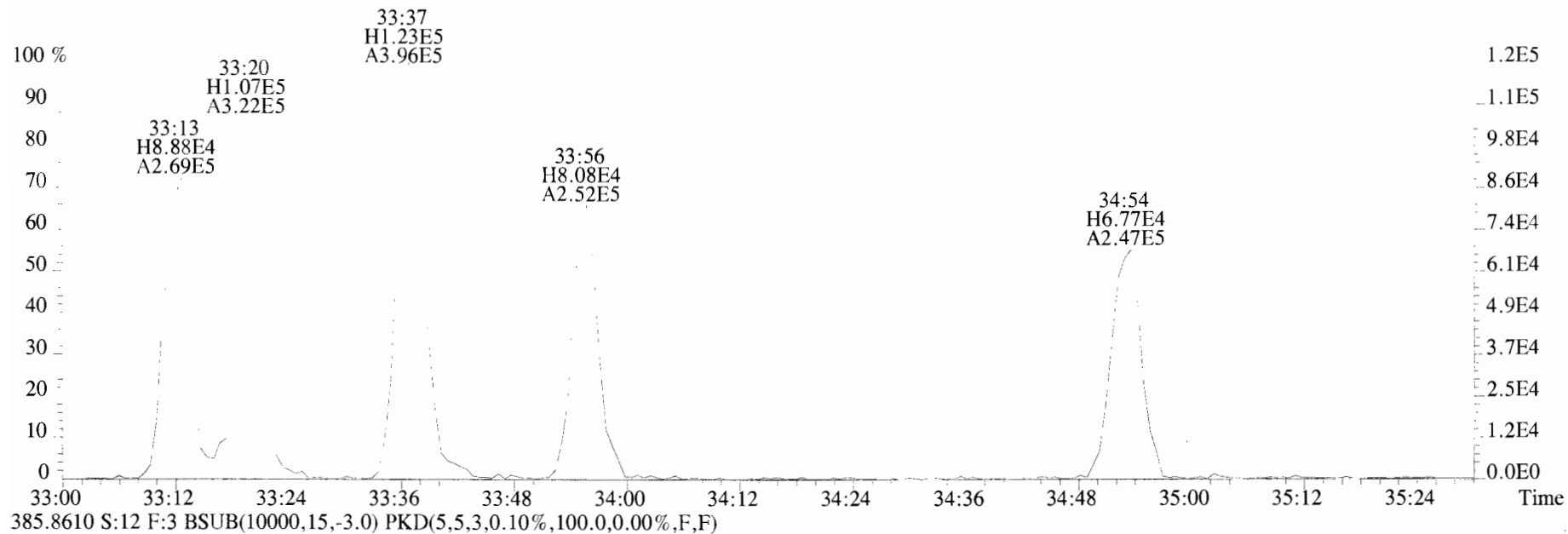
File:191029D1 #1-211 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_£
339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



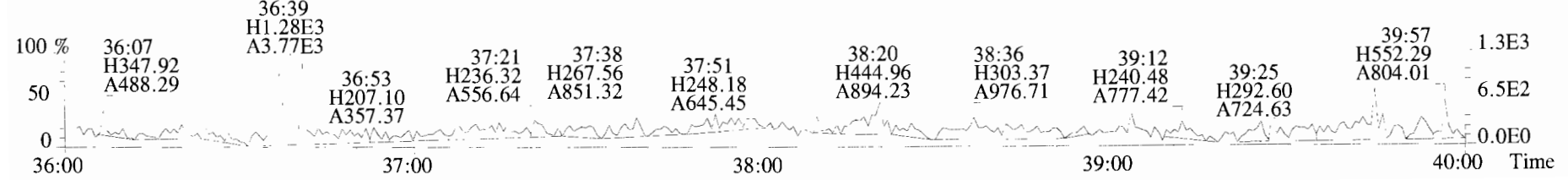
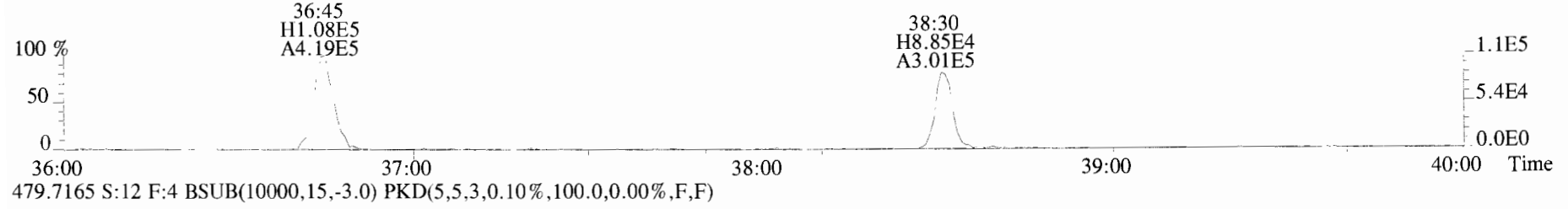
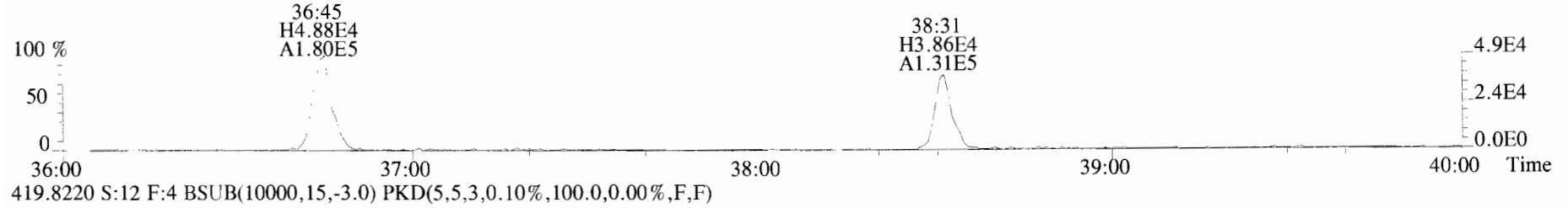
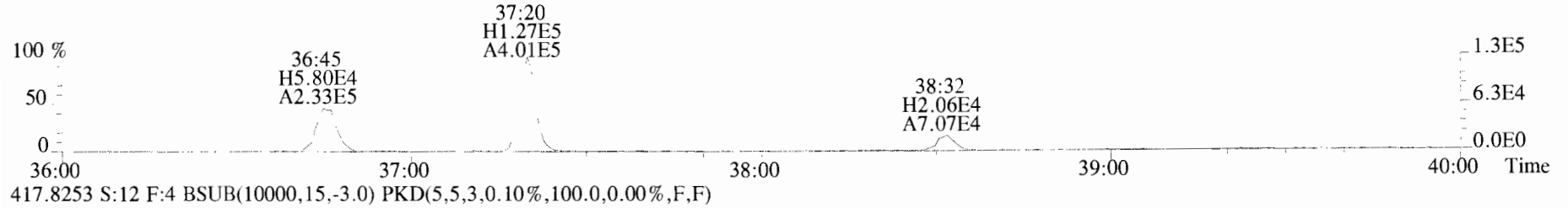
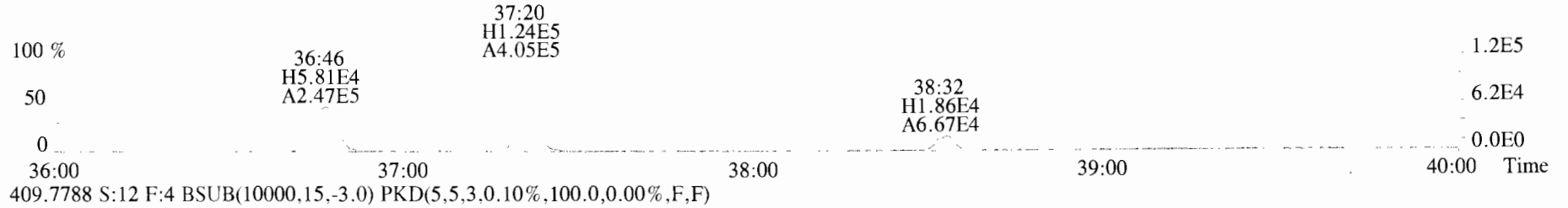
File:191029D1 #1-384 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_#
 373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



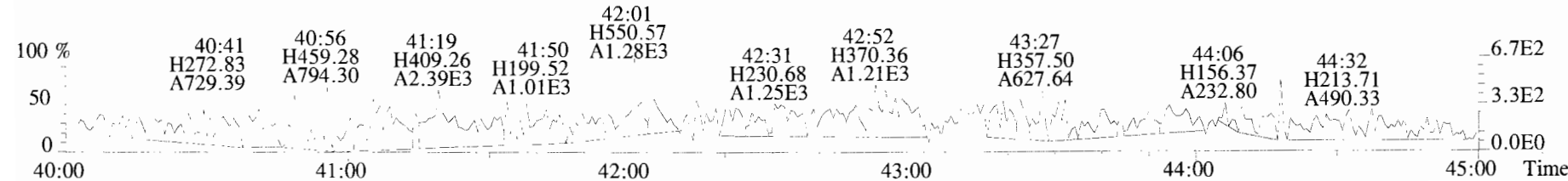
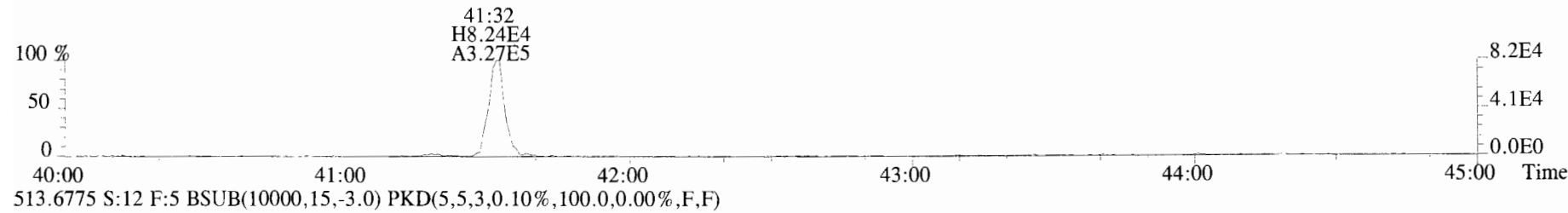
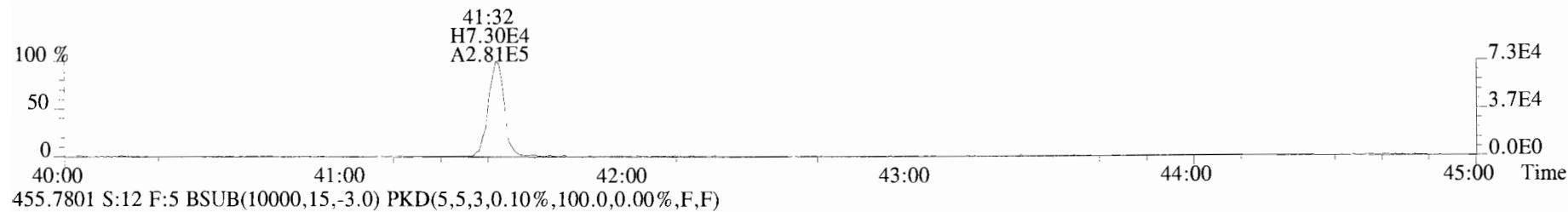
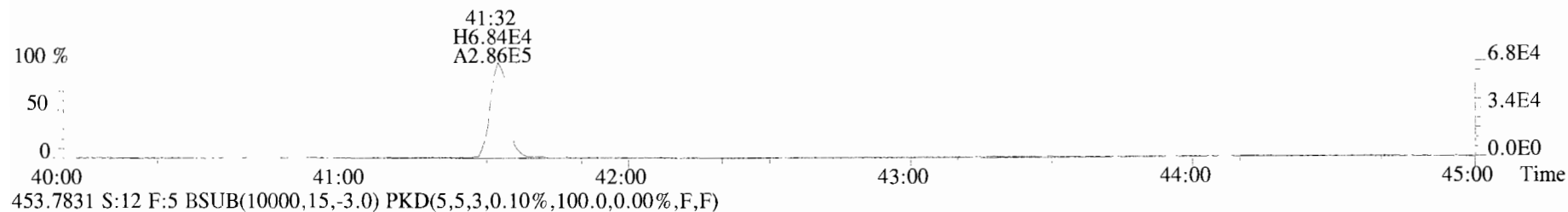
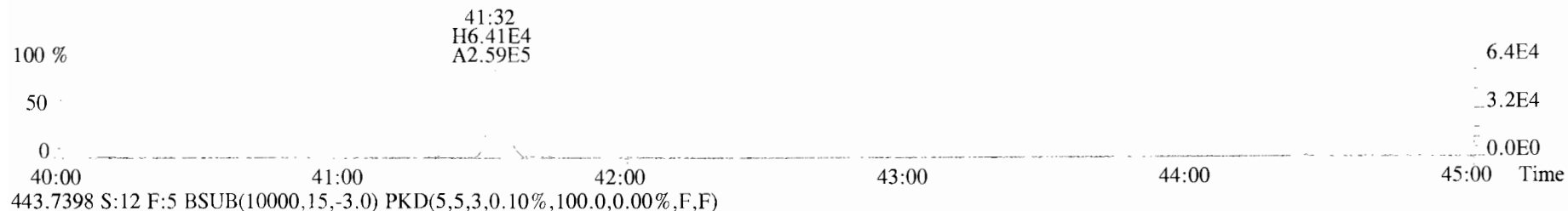
File:191029D1 #1-384 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Viata Analytical Laboratory VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_£
383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-356 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_£
 407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-431 Acq:29-OCT-2019 19:02:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-02@5X PDI-1014SG-00-0.78-190923 1:5 10.3158 Exp:OCDD_£
 441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL
2,3,7,8-TCDD	1.05e+05	0.80 y	0.91	26:36	1.7631		* 2.5	*	*
1,2,3,7,8-PeCDD	1.26e+05	0.59 y	0.90	30:57	2.5491		* 2.5	*	*
1,2,3,4,7,8-HxCDD	1.00e+05	1.25 y	1.10	34:19	2.3873		* 2.5	*	*
1,2,3,6,7,8-HxCDD	7.11e+05	1.25 y	0.94	34:26	16.706		* 2.5	*	*
1,2,3,7,8,9-HxCDD	2.61e+05	1.14 y	0.96	34:45	5.9955		* 2.5	*	*
1,2,3,4,6,7,8-HpCDD	3.89e+07	1.02 y	0.98	38:07	946.74		* 2.5	*	*
OCDD	2.27e+08	0.90 y	0.96	41:30	7319.5 E		* 2.5	*	*
2,3,7,8-TCDF	1.64e+06	0.76 y	0.95	25:53	20.857 (19.33)		* 2.5	*	*
1,2,3,7,8-PeCDF	1.30e+06	1.58 y	0.96	29:50	18.078		* 2.5	*	*
2,3,4,7,8-PeCDF	5.11e+05	1.59 y	1.01	30:41	6.9073		* 2.5	*	*
1,2,3,4,7,8-HxCDF	1.80e+06	1.25 y	1.18	33:24	29.159		* 2.5	*	*
1,2,3,6,7,8-HxCDF	6.11e+05	1.27 y	1.07	33:32	8.8566		* 2.5	*	*
2,3,4,6,7,8-HxCDF	2.29e+05	1.18 y	1.11	34:10	3.6883		* 2.5	*	*
1,2,3,7,8,9-HxCDF	1.13e+05	1.19 y	1.06	35:10	2.0898		* 2.5	*	*
1,2,3,4,6,7,8-HpCDF	2.65e+06	1.04 y	1.13	36:58	54.996		* 2.5	*	*
1,2,3,4,7,8,9-HpCDF	3.38e+05	1.00 y	1.28	38:43	7.8225		* 2.5	*	*
OCDF	9.63e+06	0.88 y	0.95	41:45	287.55		* 2.5	*	*

Name	Conc	EMPC	Qual	noise	DL
Total Tetra-Dioxins	9.87	10.1		*	*
Total Penta-Dioxins	17.2	17.7		*	*
Total Hexa-Dioxins	222	222		*	*
Total Hepta-Dioxins	2090	2090		*	*
Total Tetra-Furans	97.9	98.3		*	*
Total Penta-Furans	81.408	81.408		*	*
Total Hexa-Furans	97.3	97.3		*	*
Total Hepta-Furans	239	239		*	*

IS	13C-2,3,7,8-TCDD	1.31e+07	0.78 y	1.10	26:36	176.14			
IS	13C-1,2,3,7,8-PeCDD	1.09e+07	0.62 y	0.88	30:58	182.14			
IS	13C-1,2,3,4,7,8-HxCDD	7.57e+06	1.37 y	0.64	34:18	158.18			
IS	13C-1,2,3,6,7,8-HxCDD	9.02e+06	1.19 y	0.86	34:25	141.46			
IS	13C-1,2,3,7,8,9-HxCDD	9.02e+06	1.25 y	0.81	34:44	150.08			
IS	13C-1,2,3,4,6,7,8-HpCDD	8.34e+06	1.05 y	0.65	38:07	171.19			
IS	13C-OCDD	1.28e+07	0.90 y	0.58	41:29	297.48			
IS	13C-2,3,7,8-TCDF	1.65e+07	0.80 y	1.03	25:53	157.69			
IS	13C-1,2,3,7,8-PeCDF	1.49e+07	1.58 y	0.85	29:49	172.03			
IS	13C-2,3,4,7,8-HxCDF	1.45e+07	1.58 y	0.85	30:42	169.46			
IS	13C-1,2,3,4,7,8-HxCDF	1.04e+07	0.51 y	0.83	33:24	168.28			
IS	13C-1,2,3,6,7,8-HxCDF	1.28e+07	0.52 y	1.03	33:32	166.62			
IS	13C-2,3,4,6,7,8-HxCDF	1.11e+07	0.52 y	0.95	34:09	156.30			
IS	13C-1,2,3,7,8,9-HxCDF	1.02e+07	0.52 y	0.83	35:10	164.66			
IS	13C-1,2,3,4,6,7,8-HpCDF	8.51e+06	0.43 y	0.76	36:58	150.84			
IS	13C-1,2,3,4,7,8,9-HpCDF	6.71e+06	0.43 y	0.58	38:42	154.92			
IS	13C-OCDF	1.41e+07	0.90 y	0.69	41:44	273.94			

Rec Qual

88.5
91.6
79.5
71.1
75.4
86.0
74.8
79.3
86.5
85.2
84.6
83.8
78.6
82.8
75.8
77.9
68.8

C/Up	37Cl-2,3,7,8-TCDD	5.67e+06		1.20	26:37	69.950			
RS/RT	13C-1,2,3,4-TCDD	1.35e+07	0.81 y	1.00	26:02	198.94			
RS	13C-1,2,3,4-TCDF	2.01e+07	0.81 y	1.00	24:42	198.94			
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.48e+07	0.53 y	1.00	33:50	198.94			

Integrations
 by DB
 Analyst: DB
 Date: 10/29/19

Reviewed
 by HL
 Analyst: HL CT
 Date: 10-31-19 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 16 File: 191011D2 S: 11 I: 1 F: 1
 Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 10.061 Unnamed Concentration: 8.298

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
23:25*	4.197e+04	5.064e+04	0.83 y	9.261e+04	1.5573
23:44#	1.689e+04	2.410e+04	0.70 y	4.099e+04	0.68924
24:08#	1.161e+04	1.329e+04	0.87 y	2.489e+04	0.41860
24:50#	7.859e+03	8.991e+03	0.87 y	1.685e+04	0.28335
25:02*	2.148e+04	3.221e+04	0.67 y	5.369e+04	0.90288
25:11#	2.171e+04	2.839e+04	0.76 y	5.010e+04	0.84242
25:21#	8.528e+03	1.010e+04	0.84 y	1.862e+04	0.31317
25:34#	4.901e+03	9.021e+03	0.54 n	1.127e+04	0.18943
25:43#	9.540e+03	1.194e+04	0.80 y	2.148e+04	0.36125
26:01#	8.382e+03	1.169e+04	0.72 y	2.007e+04	0.33753
26:23#	4.329e+04	6.039e+04	0.72 y	1.037e+05	1.7435
26:36#	4.649e+04	5.837e+04	0.80 y	1.049e+05	1.7631
26:53#	1.179e+04	1.613e+04	0.73 y	2.792e+04	0.46945
27:26#	5.292e+03	5.977e+03	0.89 y	1.127e+04	0.18949

2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 16 File: 191011D2 S: 11 I: 1 F: 2
Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 17.729

Unnamed Concentration: 15.180

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:57	7.100e+04	1.215e+05	0.58	y	1.925e+05	3.9018
29:24	3.384e+04	5.018e+04	0.67	y	8.402e+04	1.7028
29:49	3.490e+04	5.116e+04	0.68	y	8.606e+04	1.7441
29:59	2.596e+04	4.436e+04	0.59	y	7.032e+04	1.4251
30:05	1.844e+04	2.720e+04	0.68	y	4.565e+04	0.92509
30:16	5.852e+04	9.895e+04	0.59	y	1.575e+05	3.1915
30:34	1.134e+04	1.503e+04	0.75	n	2.450e+04	0.49656
30:57	4.686e+04	7.892e+04	0.59	y	1.258e+05	2.5491
31:01	1.994e+04	3.059e+04	0.65	y	5.053e+04	1.0242
31:20	1.355e+04	2.439e+04	0.56	y	3.794e+04	0.76883

1,2,3,7,8-PeCDD

Totals class: HxCDD EMPC

Entry #: 23

Run: 16 File: 191011D2 S: 11 I: 1 F: 3
 Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 221.58 Unnamed Concentration: 196.486

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
32:44	2.172e+06	1.776e+06	1.22 y	3.948e+06	92.788
33:19	2.494e+05	1.949e+05	1.28 y	4.443e+05	10.444
33:35	1.872e+06	1.528e+06	1.23 y	3.400e+06	79.909
33:43	1.817e+05	1.392e+05	1.31 y	3.210e+05	7.5439
34:19	5.558e+04	4.442e+04	1.25 y	1.000e+05	2.3873 1,2,3,4,7,8-HxCDD
34:26	3.944e+05	3.163e+05	1.25 y	7.107e+05	16.706 1,2,3,6,7,8-HxCDD
34:37	1.361e+05	1.107e+05	1.23 y	2.468e+05	5.8008
34:45	1.393e+05	1.220e+05	1.14 y	2.613e+05	5.9955 1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 16 File: 191011D2 S: 11 I: 1 F: 4
Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 2092.8

Unnamed Concentration: 1146.061

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
37:18	2.385e+07	2.320e+07	1.03 y	4.706e+07	1146.1
38:07	1.968e+07	1.920e+07	1.02 y	3.887e+07	946.74 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 16 File: 191011D2 S: 11 I: 1 F: 1
 Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 98.277

Unnamed Concentration: 77.420

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
21:26	2.249e+04	2.548e+04	0.88	y	4.797e+04	0.60890
22:00	3.378e+04	4.181e+04	0.81	y	7.559e+04	0.95947
22:36	1.912e+05	2.254e+05	0.85	y	4.167e+05	5.2889
23:04	7.594e+04	9.080e+04	0.84	y	1.667e+05	2.1165
23:25	3.706e+05	4.684e+05	0.79	y	8.390e+05	10.651
23:47	9.347e+04	1.245e+05	0.75	y	2.179e+05	2.7663
24:04	4.247e+04	5.759e+04	0.74	y	1.001e+05	1.2702
24:30	2.087e+04	2.379e+04	0.88	y	4.466e+04	0.56686
24:42	6.600e+05	8.652e+05	0.76	y	1.525e+06	19.360
25:07	6.062e+05	7.676e+05	0.79	y	1.374e+06	17.438
25:21	3.974e+04	5.495e+04	0.72	y	9.468e+04	1.2019
25:30	3.682e+04	4.218e+04	0.87	y	7.900e+04	1.0028
25:47	3.287e+05	3.909e+05	0.84	y	7.196e+05	9.1346
25:53	7.073e+05	9.358e+05	0.76	y	1.643e+06	20.857
26:12	6.462e+04	7.531e+04	0.86	y	1.399e+05	1.7763
26:24	1.597e+04	1.560e+04	1.02	n	2.762e+04	0.35056
27:35	1.073e+05	1.233e+05	0.87	y	2.306e+05	2.9277

2,3,7,8-TCDF

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 16 File: 191011D2 S: 11 I: 1 F: 1
Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 9.3736 Unnamed Concentration: 9.374

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:31	4.189e+05	2.642e+05	1.59 y	6.831e+05	9.3736

Totals class: PeCDF EMPC

Entry #: 31

Run: 16 File: 191011D2 S: 11 I: 1 F: 2
 Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 72.035

Unnamed Concentration: 47.050

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
28:54	7.961e+05	5.120e+05	1.55 y	1.308e+06	17.950
29:27	3.529e+05	2.088e+05	1.69 y	5.617e+05	7.7074
29:39	2.794e+05	1.784e+05	1.57 y	4.577e+05	6.2811
29:50	7.944e+05	5.017e+05	1.58 y	1.296e+06	18.078
30:04	3.533e+05	2.343e+05	1.51 y	5.877e+05	8.0640
30:35	1.835e+04	1.160e+04	1.58 y	2.994e+04	0.41089
30:41	3.137e+05	1.976e+05	1.59 y	5.112e+05	6.9073
30:44	2.705e+05	1.599e+05	1.69 y	4.304e+05	5.9057
31:34	3.270e+04	2.054e+04	1.59 y	5.324e+04	0.73062
					1,2,3,7,8-PeCDF
					2,3,4,7,8-PeCDF

Totals class: HxCDF EMPC

Entry #: 33

Run: 16 File: 191011D2 S: 11 I: 1 F: 3
 Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

Total Concentration: 97.282

Unnamed Concentration: 53.488

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
32:11	1.731e+05	1.401e+05	1.24 y	3.132e+05	5.0732
32:21	4.852e+05	3.969e+05	1.22 y	8.821e+05	14.289
32:43	1.289e+04	1.082e+04	1.19 y	2.372e+04	0.38418
32:55	1.075e+06	8.926e+05	1.20 y	1.968e+06	31.875
33:17	1.567e+04	1.302e+04	1.20 y	2.869e+04	0.46481
33:24	9.983e+05	8.003e+05	1.25 y	1.799e+06	29.159
33:32	3.419e+05	2.692e+05	1.27 y	6.111e+05	1,2,3,4,7,8-HxCDF
33:32	3.419e+05	2.692e+05	1.27 y	6.111e+05	8.8566
34:10	1.242e+05	1.050e+05	1.18 y	2.292e+05	1,2,3,6,7,8-HxCDF
34:10	1.242e+05	1.050e+05	1.18 y	2.292e+05	3.6883
35:10	6.158e+04	5.165e+04	1.19 y	1.132e+05	2,3,4,6,7,8-HxCDF
35:10	6.158e+04	5.165e+04	1.19 y	1.132e+05	2.0898
35:13	4.725e+04	3.926e+04	1.20 y	8.651e+04	1,2,3,7,8,9-HxCDF
35:13	4.725e+04	3.926e+04	1.20 y	8.651e+04	1.4013

Totals class: HpCDF EMPC

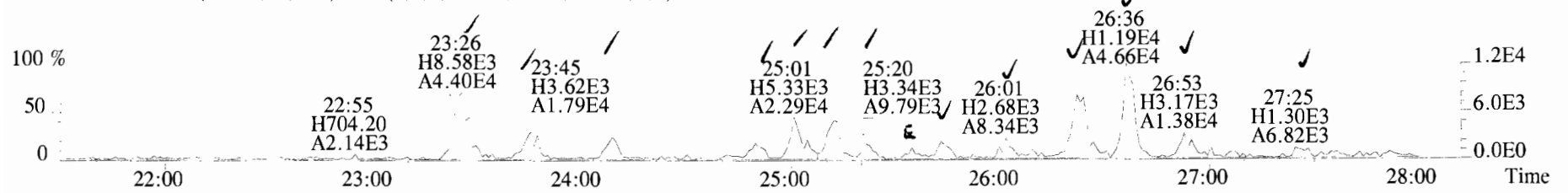
Entry #: 35

Run: 16 File: 191011D2 S: 11 I: 1 F: 4
Acquired: 12-OCT-19 09:14:57 Processed: 14-OCT-19 10:39:23

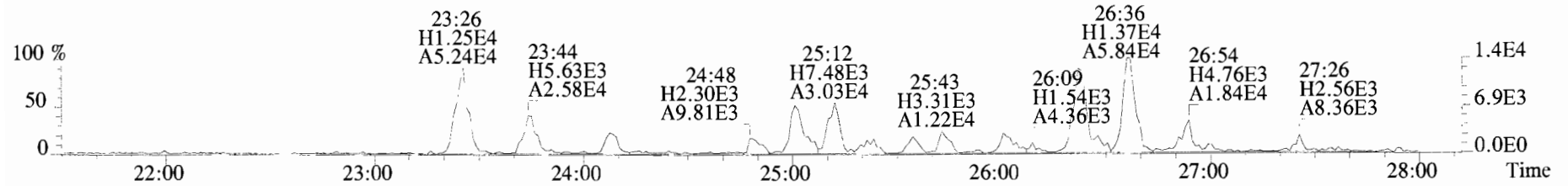
Total Concentration: 239.03 Unnamed Concentration: 176.212

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:58	1.351e+06	1.302e+06	1.04 y	2.653e+06	54.996	1,2,3,4,6,7,8-HpCDF
37:19	3.843e+04	3.471e+04	1.11 y	7.314e+04	1.6016	
37:29	4.018e+06	3.956e+06	1.02 y	7.974e+06	174.61	
38:43	1.686e+05	1.690e+05	1.00 y	3.376e+05	7.8225	1,2,3,4,7,8,9-HpCDF

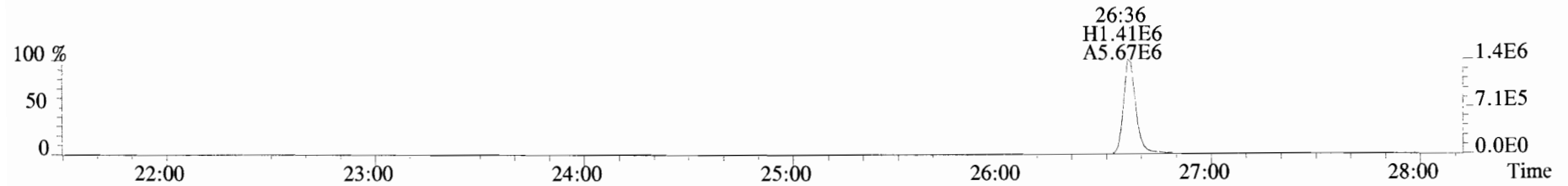
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



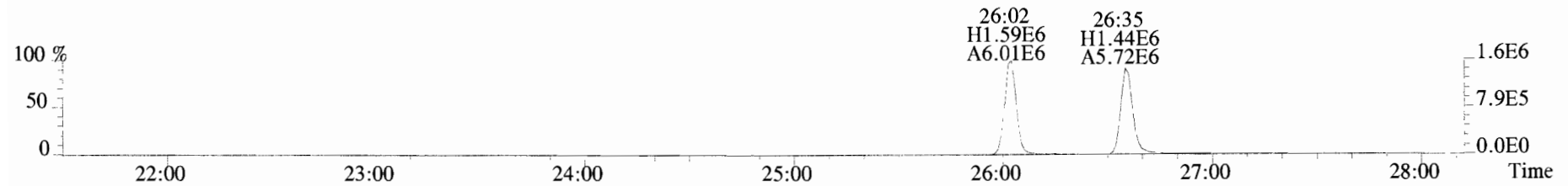
321.8936 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



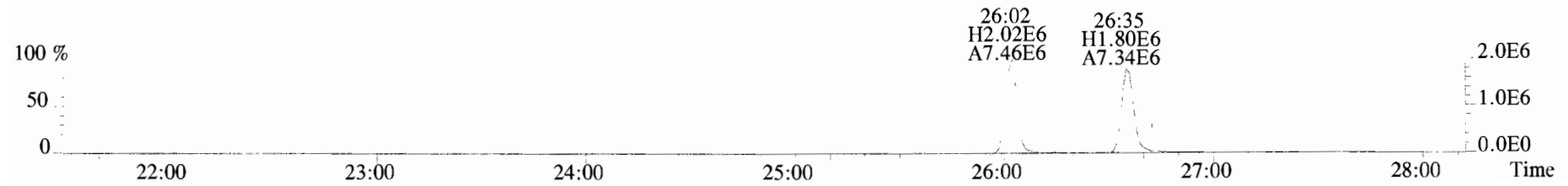
327.8847 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



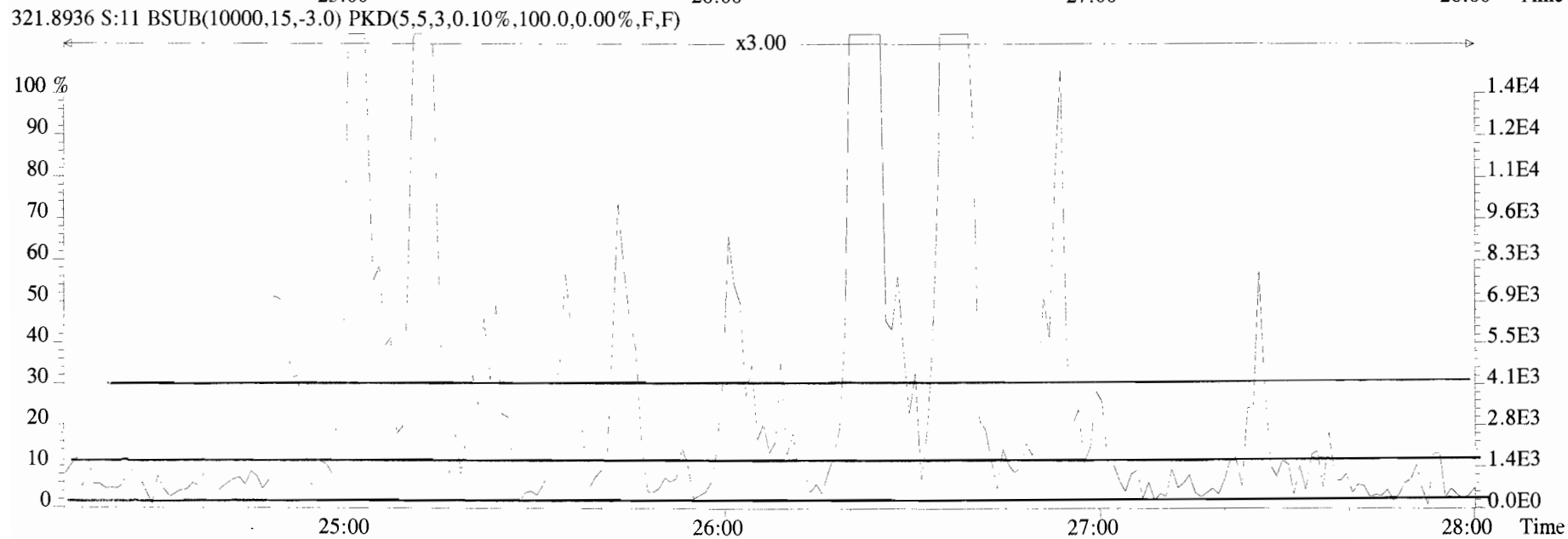
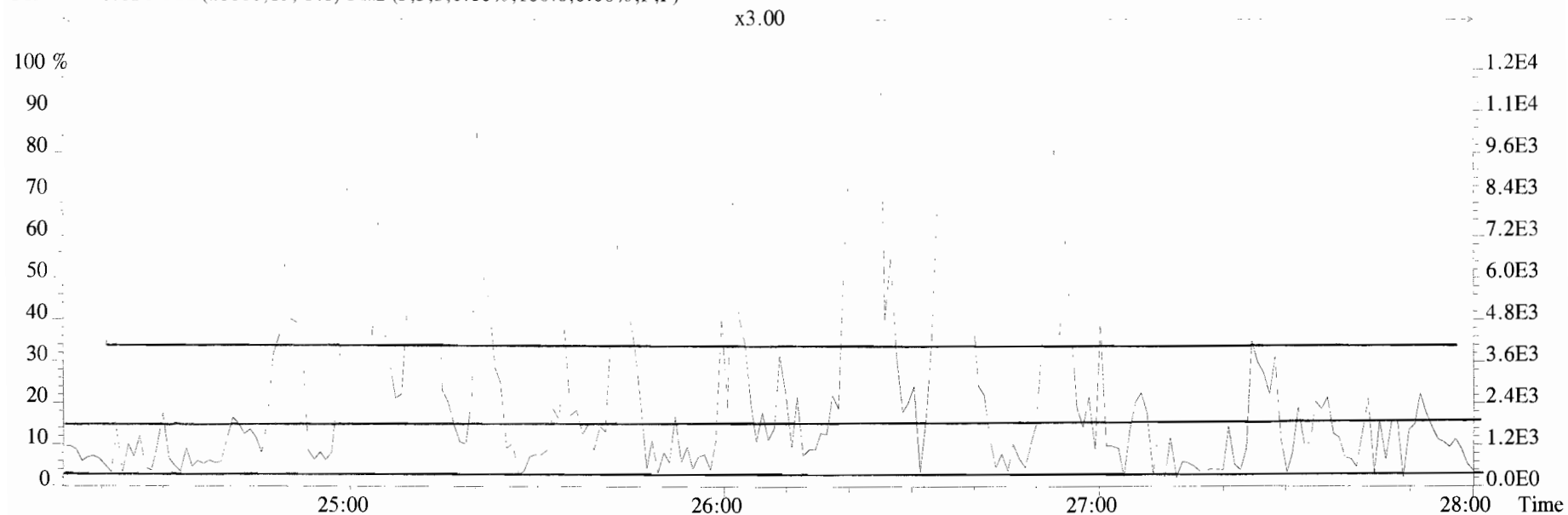
331.9368 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



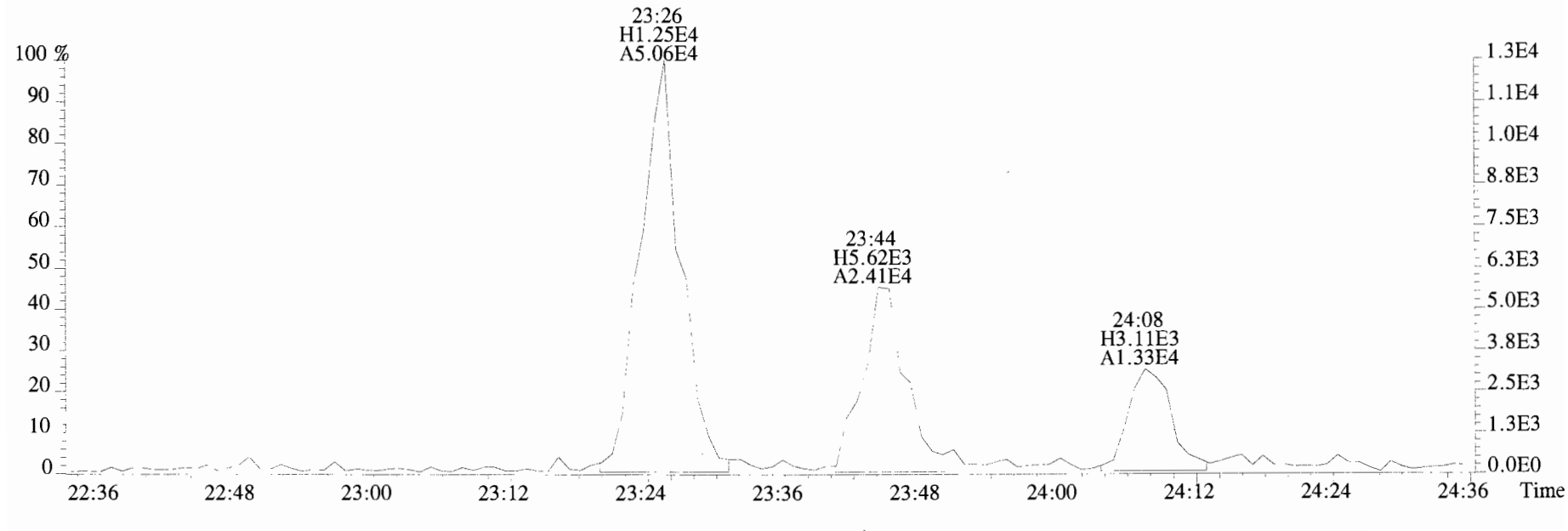
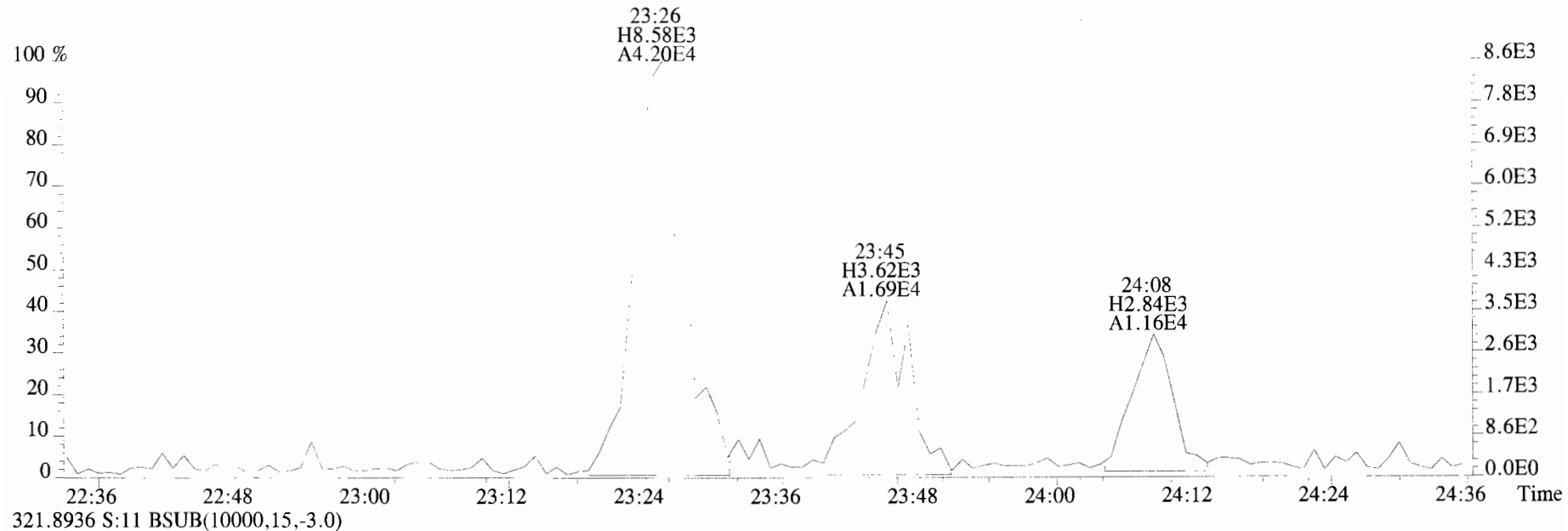
333.9339 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



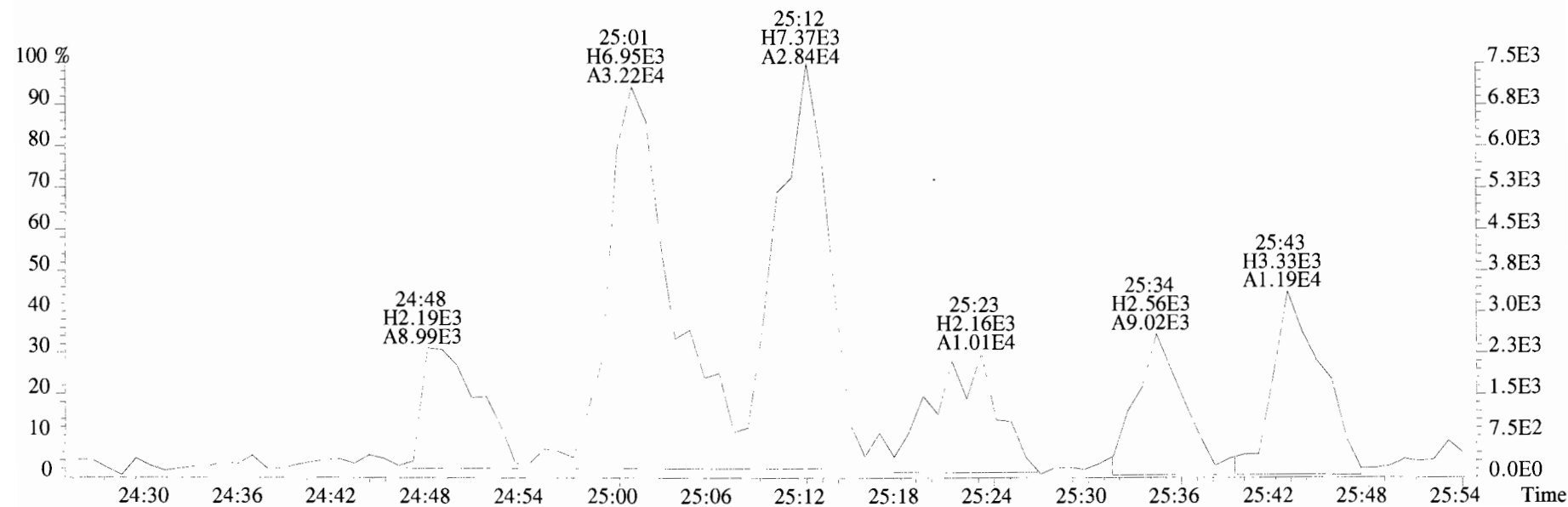
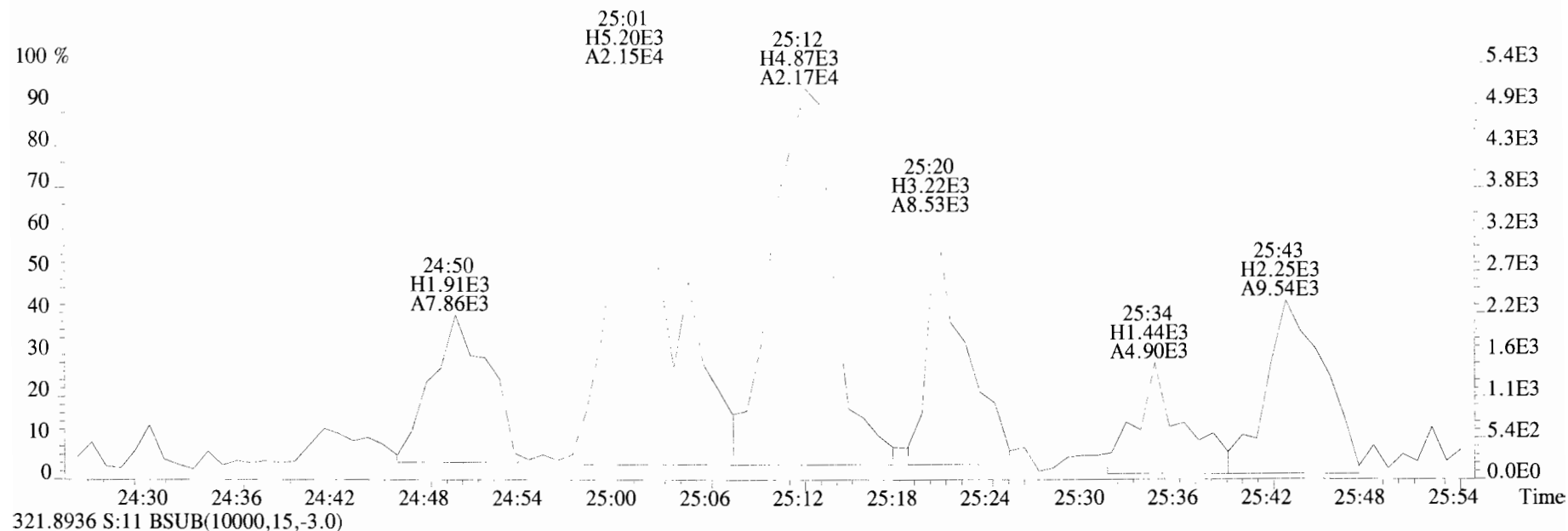
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
319.8965 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



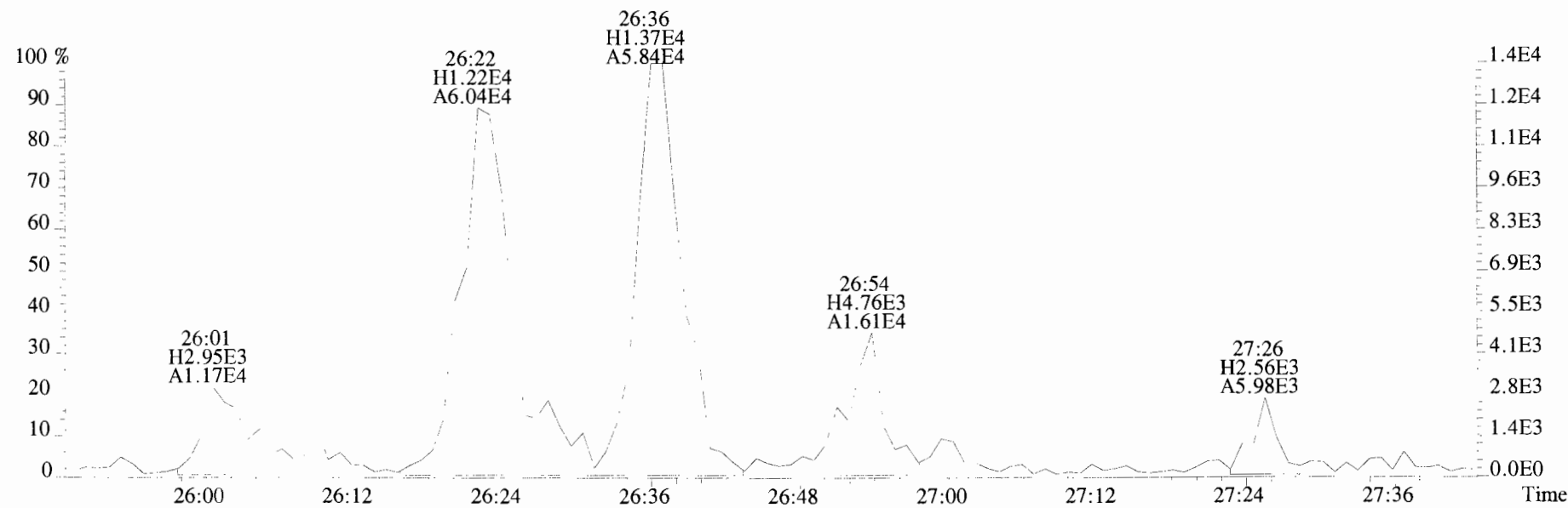
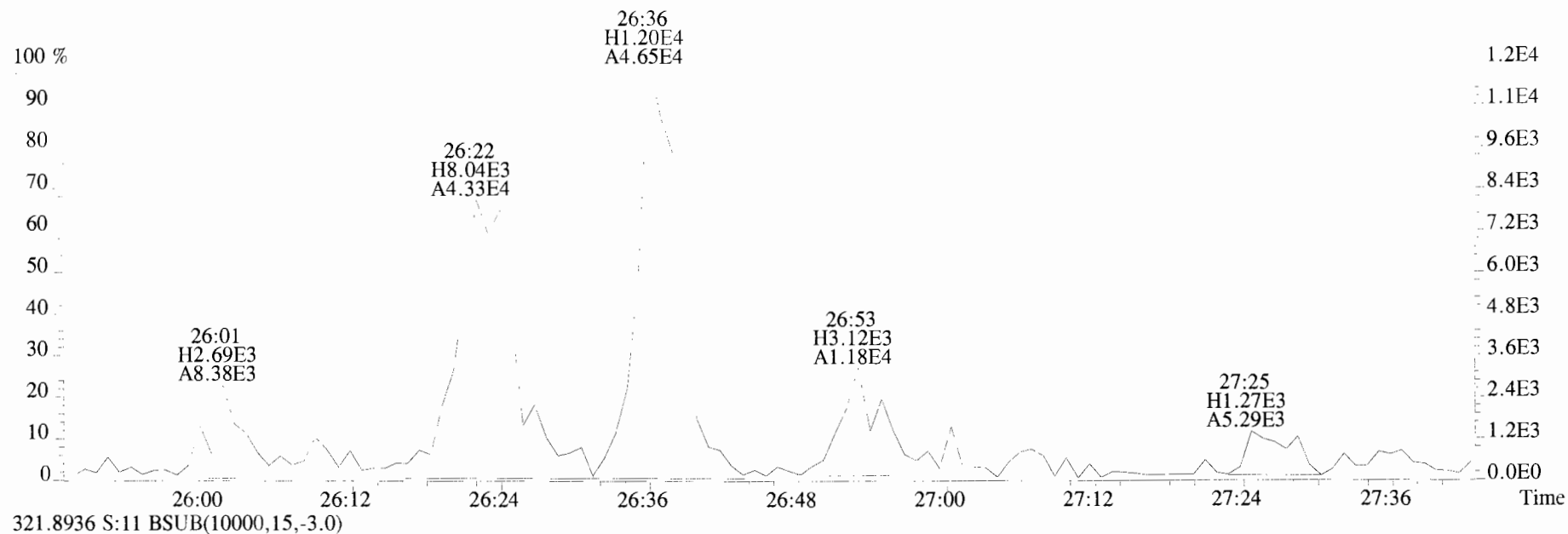
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
319.8965 S:11 BSUB(10000,15,-3.0)



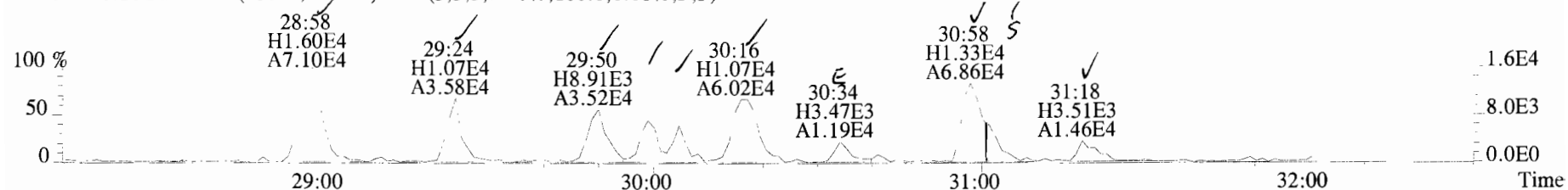
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 319.8965 S:11 BSUB(10000.15,-3.0)



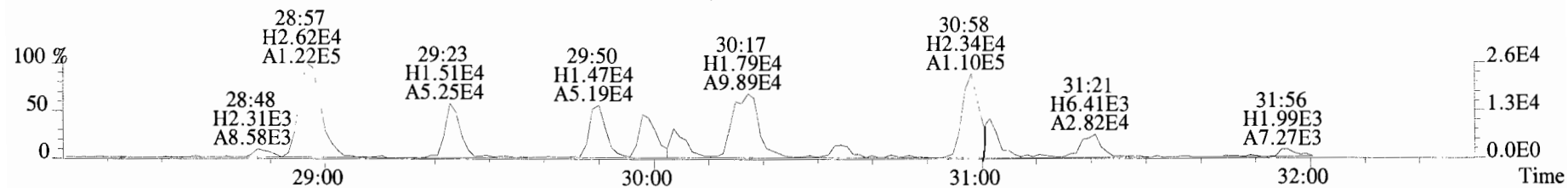
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC E1+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 319.8965 S:11 BSUB(10000,15,-3.0)



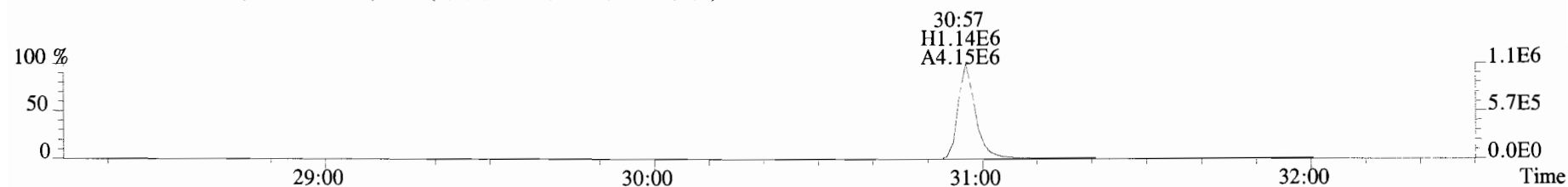
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 353.8576 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



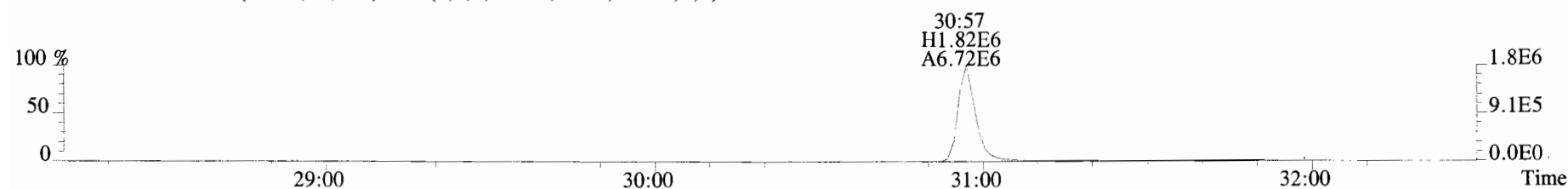
355.8546 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



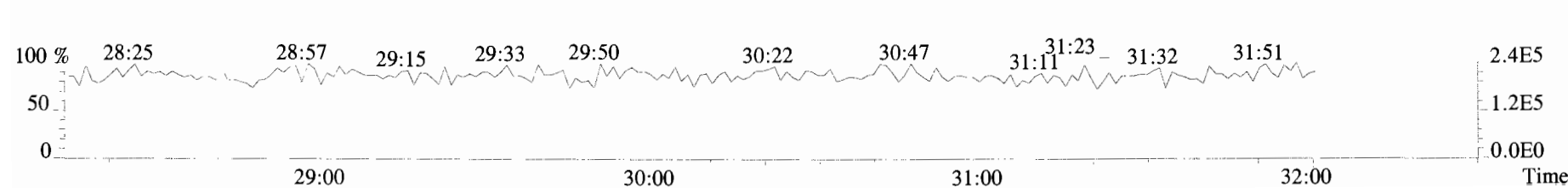
365.8978 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



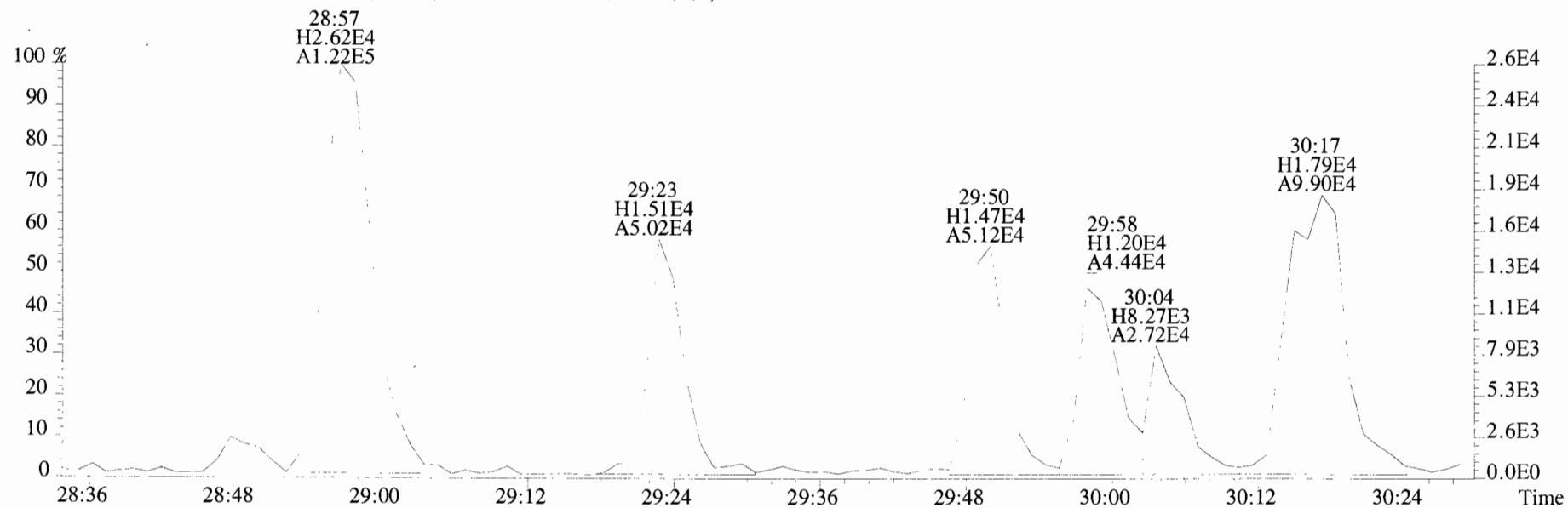
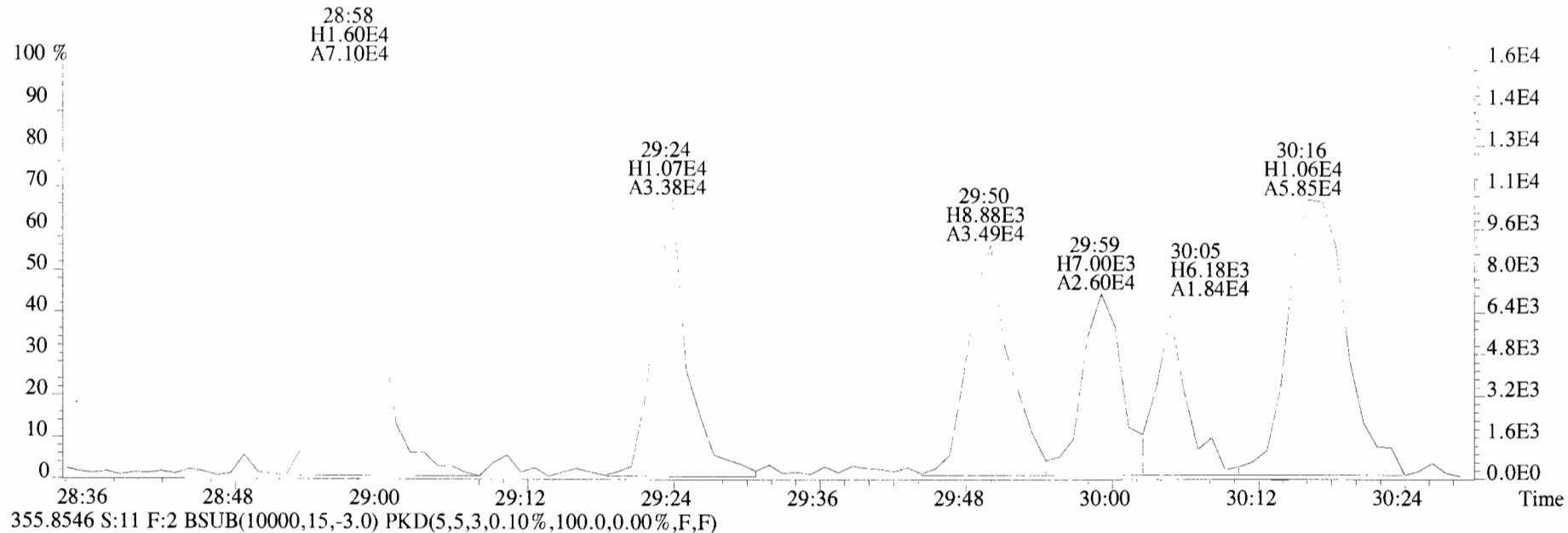
367.8949 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



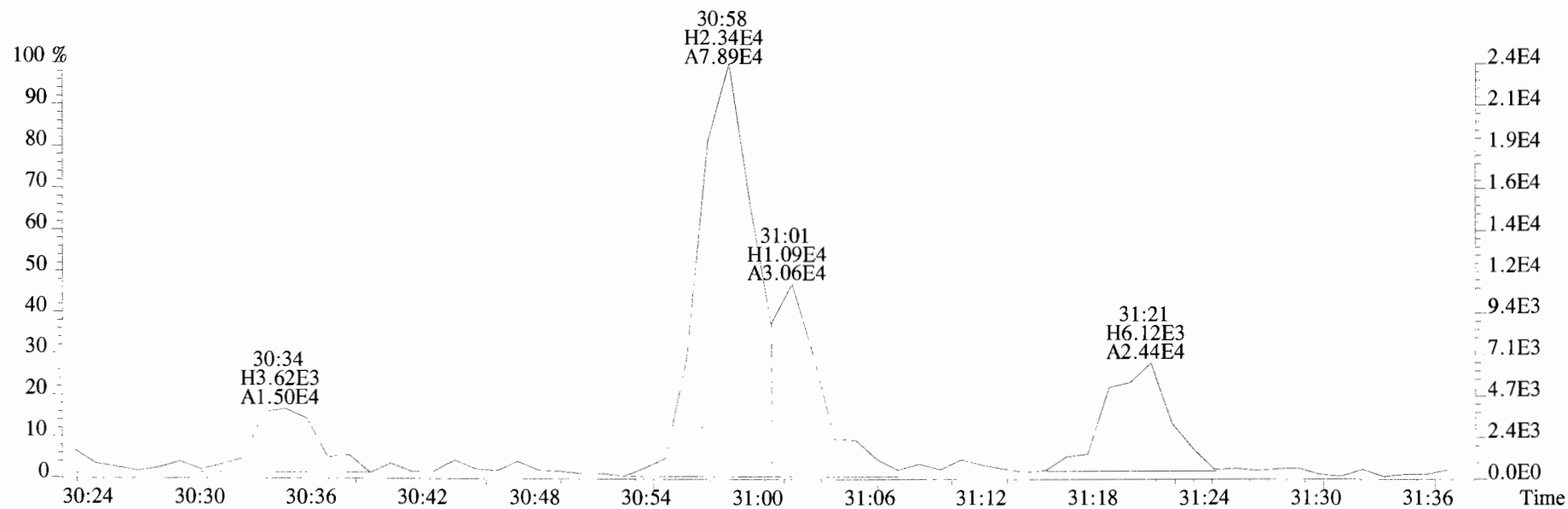
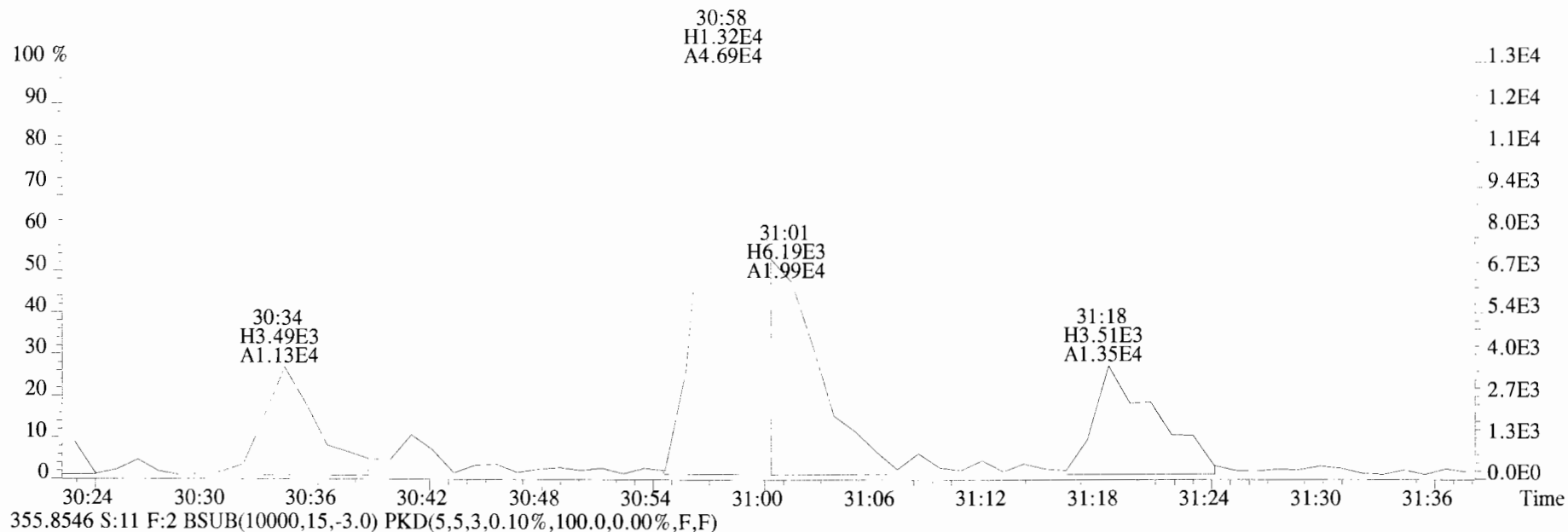
366.9792 S:11 F:2



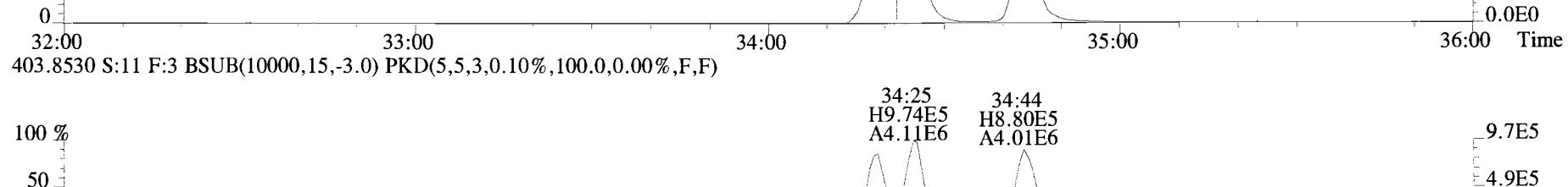
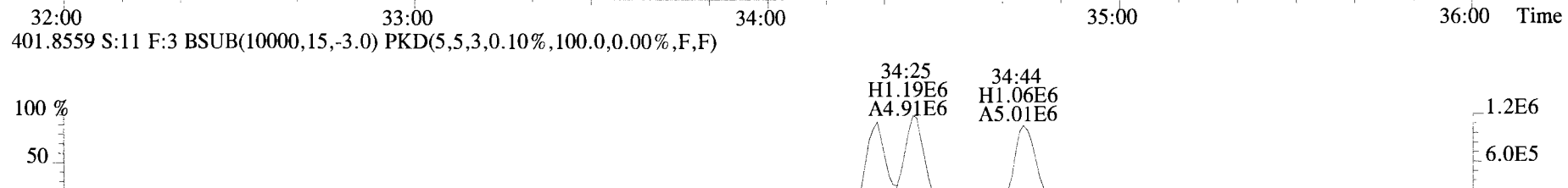
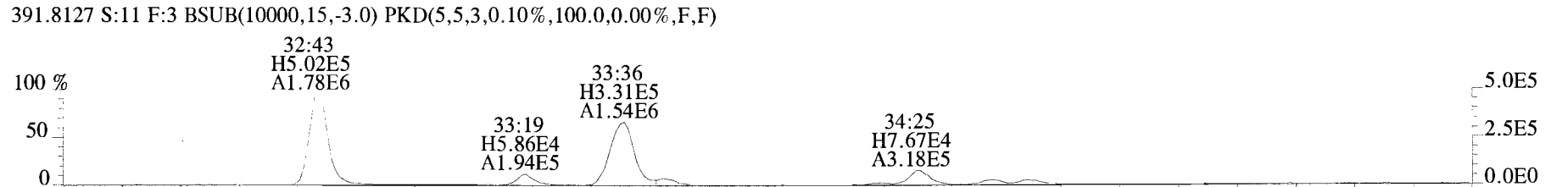
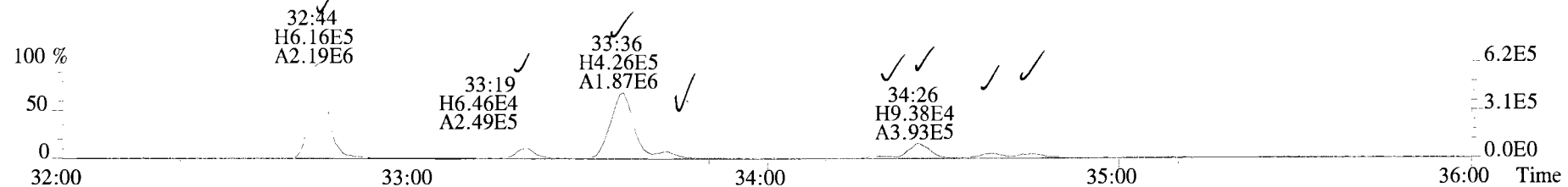
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 353.8576 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



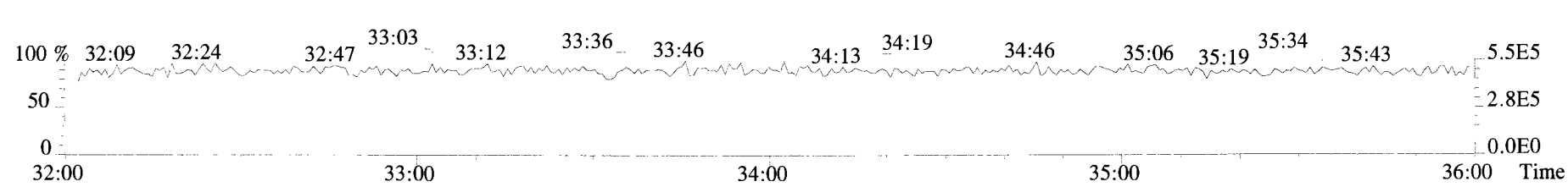
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 353.8576 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



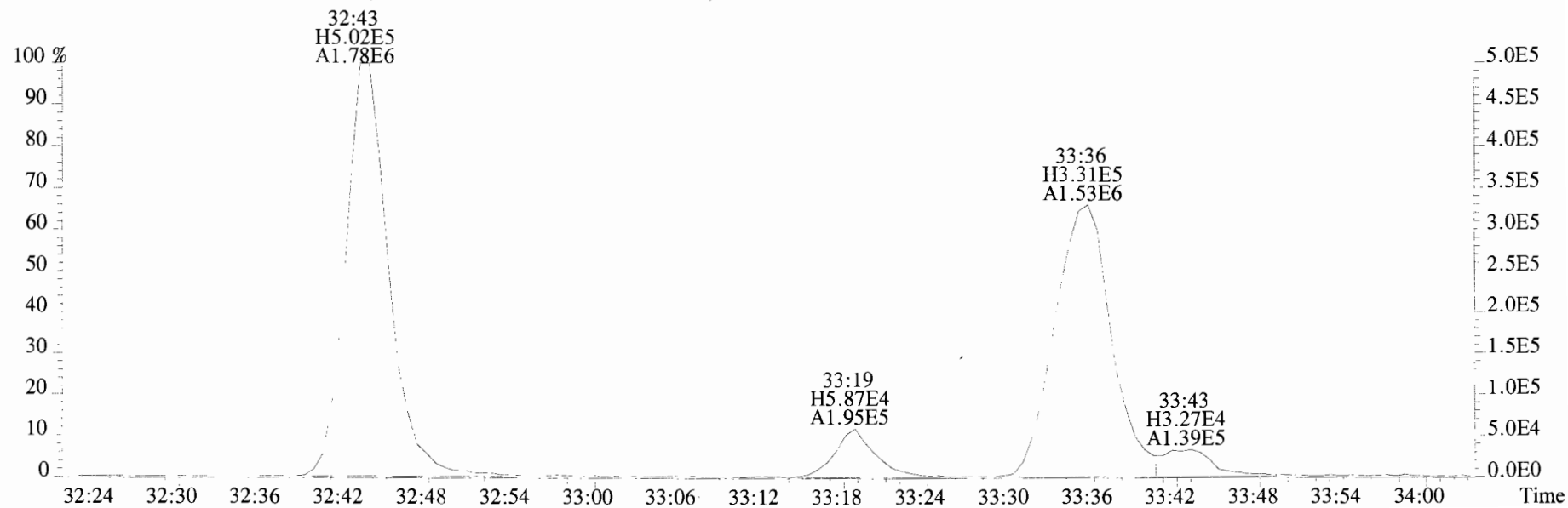
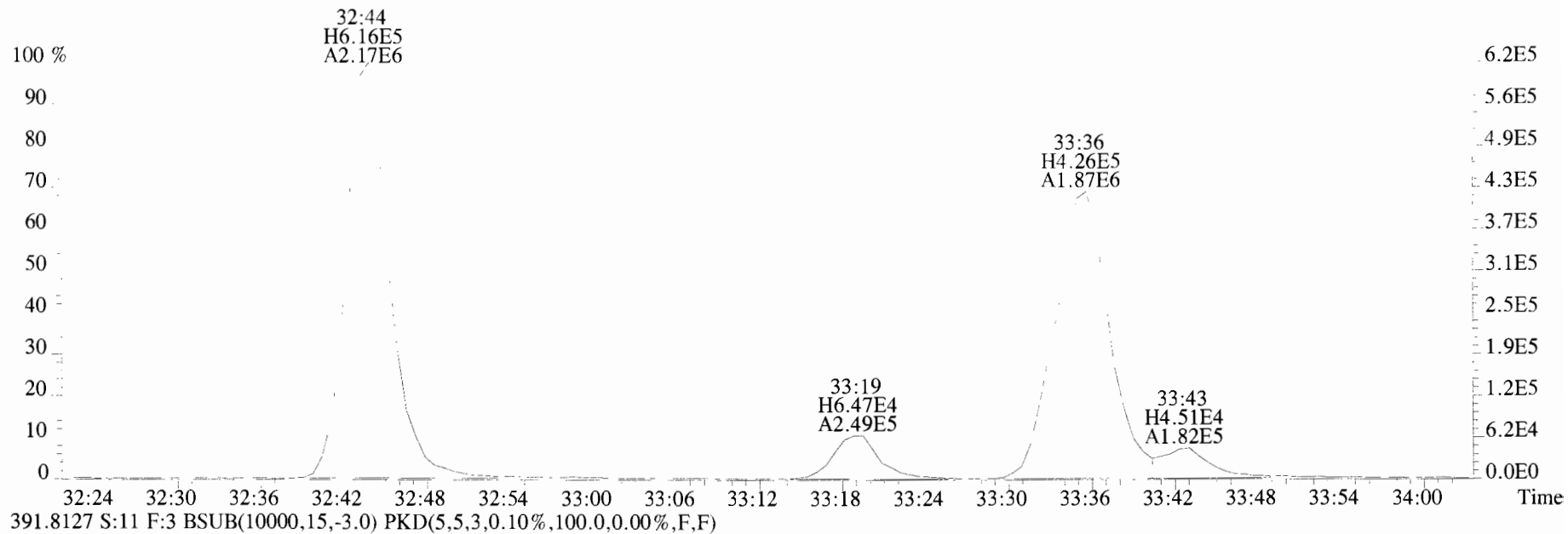
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



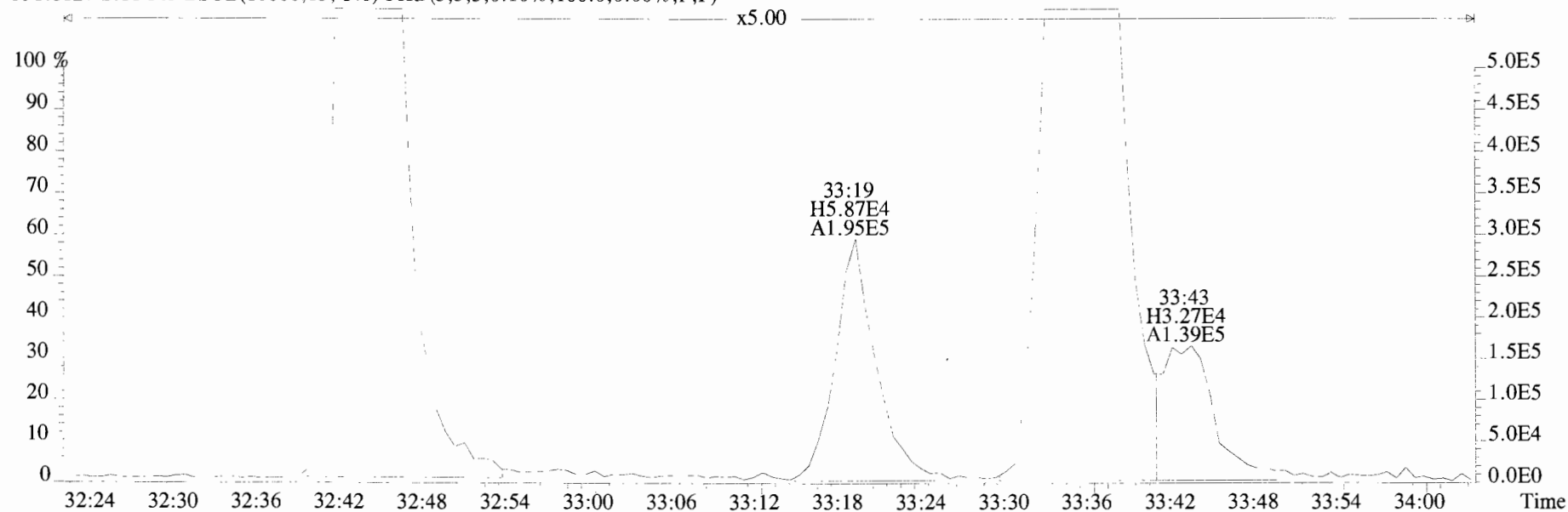
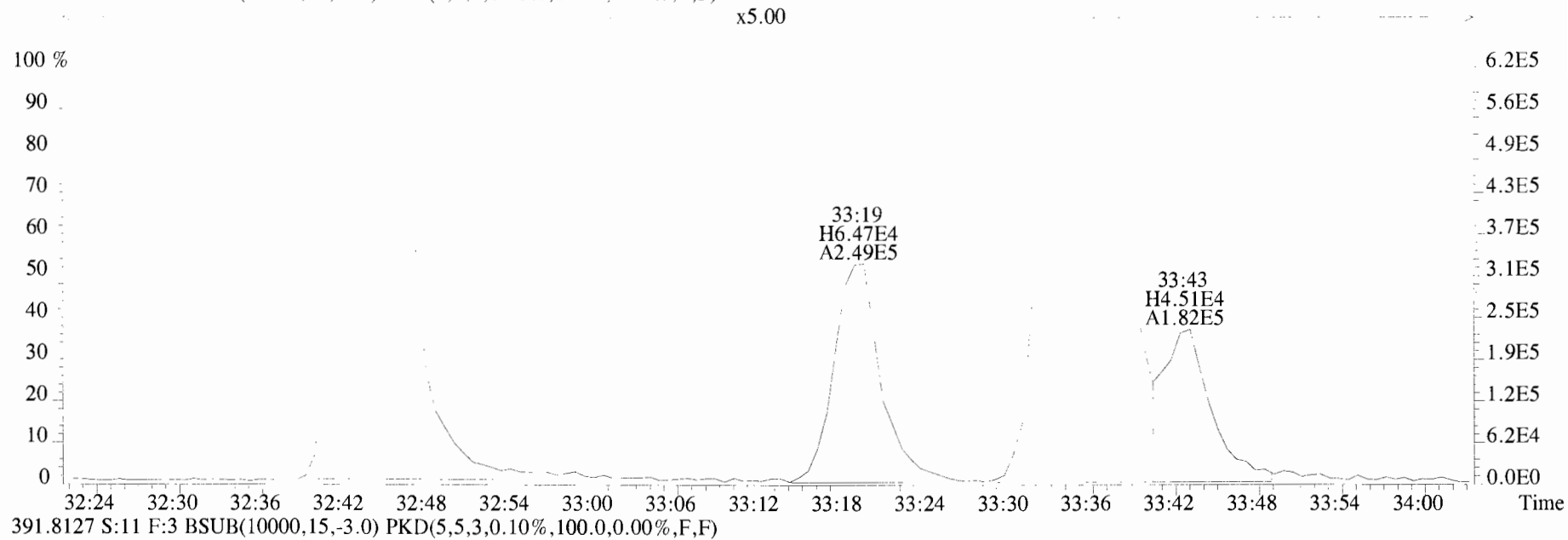
392.9760 S:11 F:3



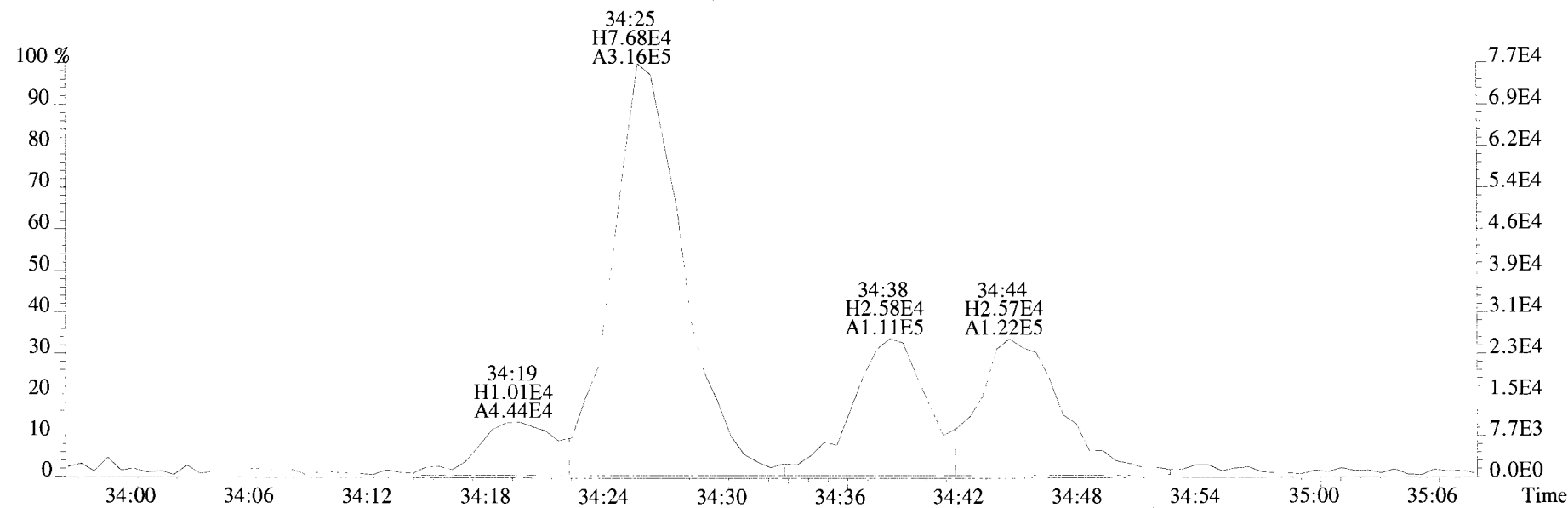
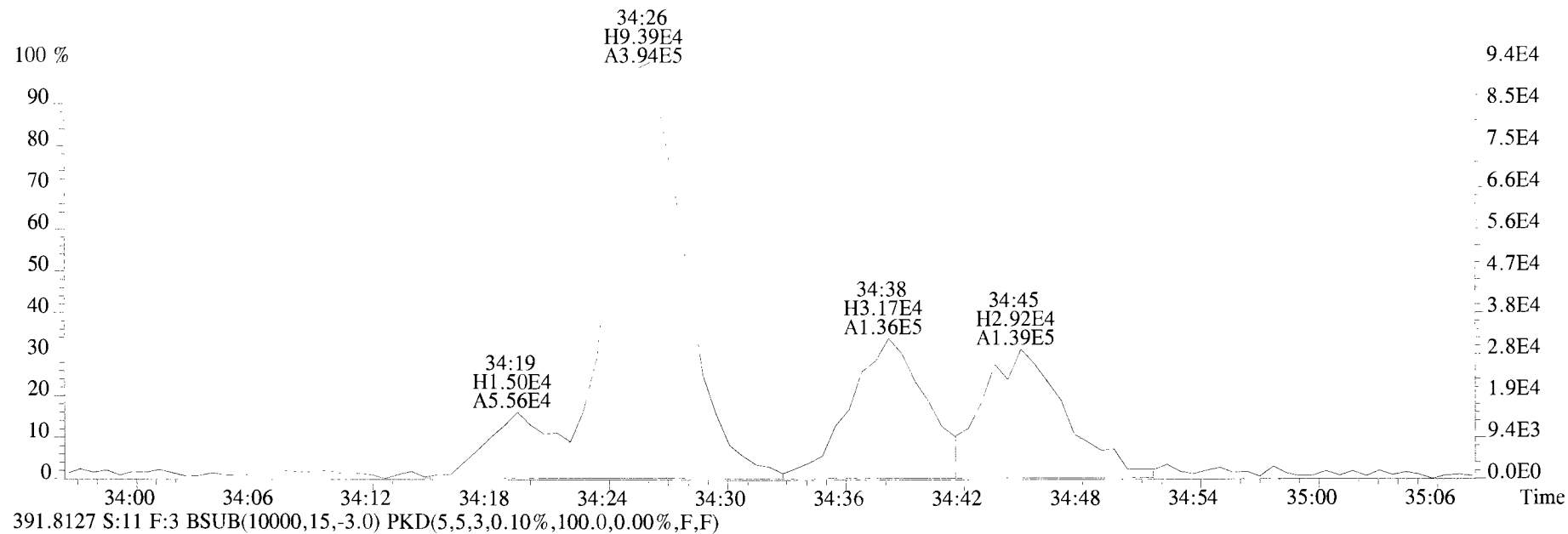
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



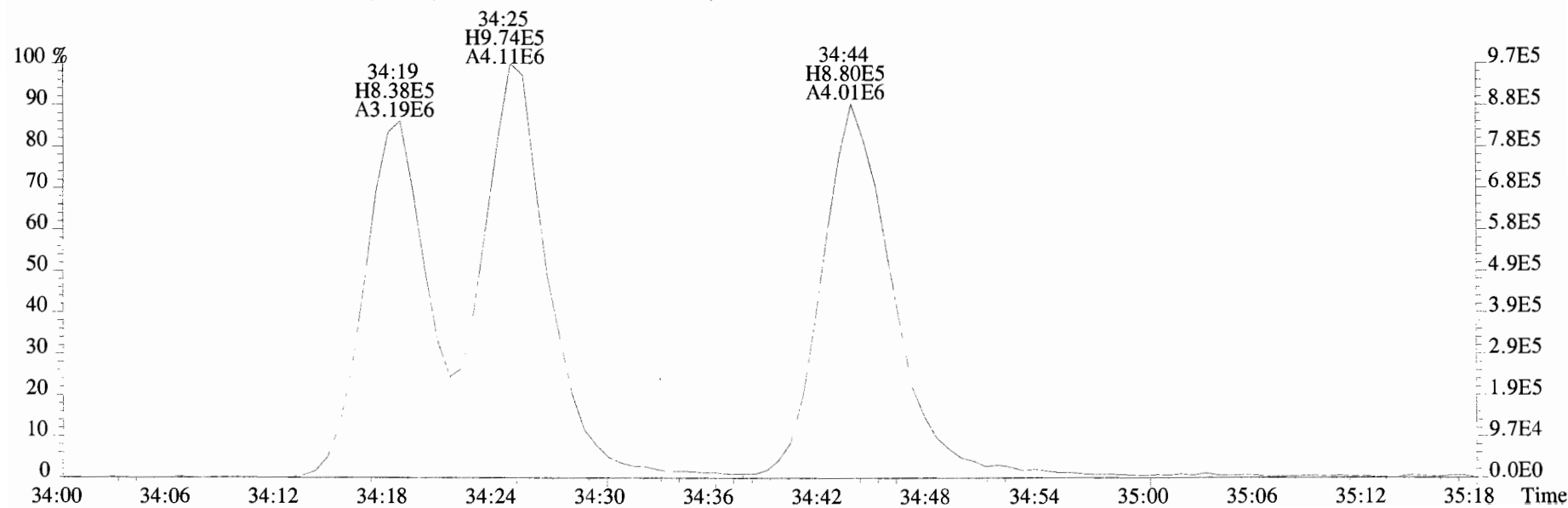
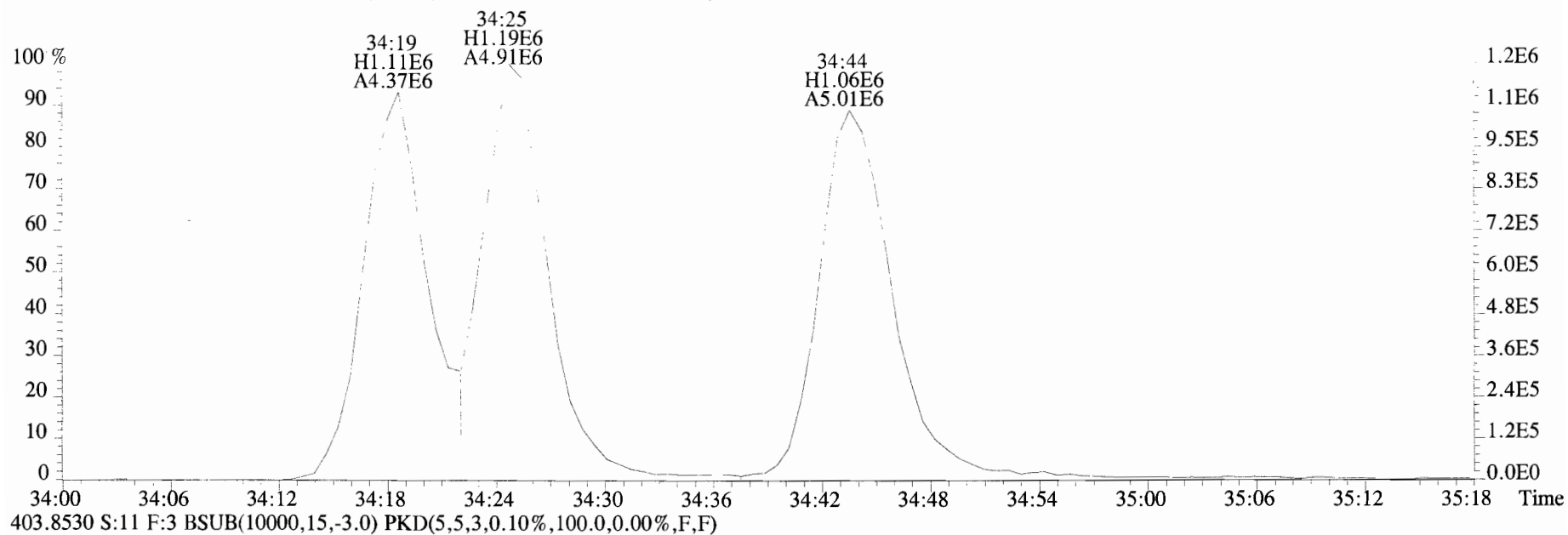
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



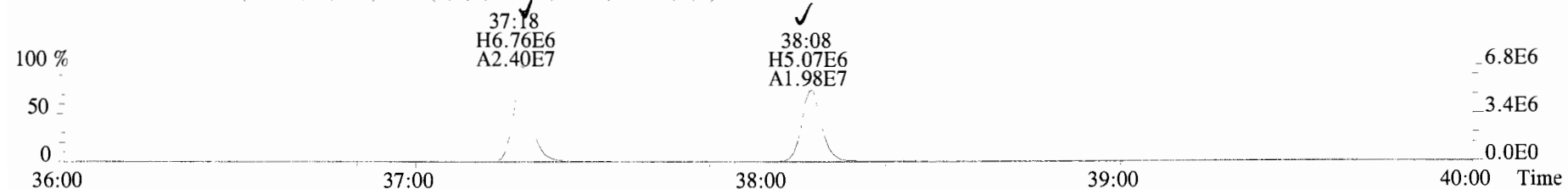
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
389.8156 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



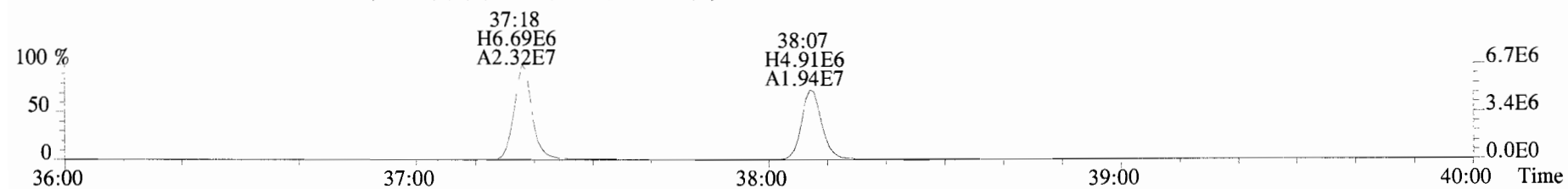
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
401.8559 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



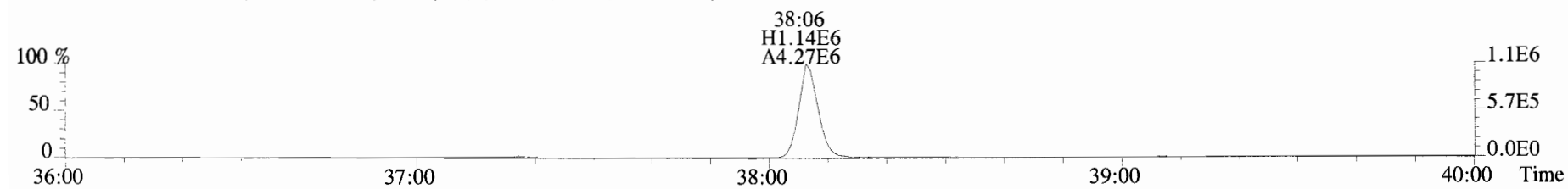
File:191011D2 #1-356 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



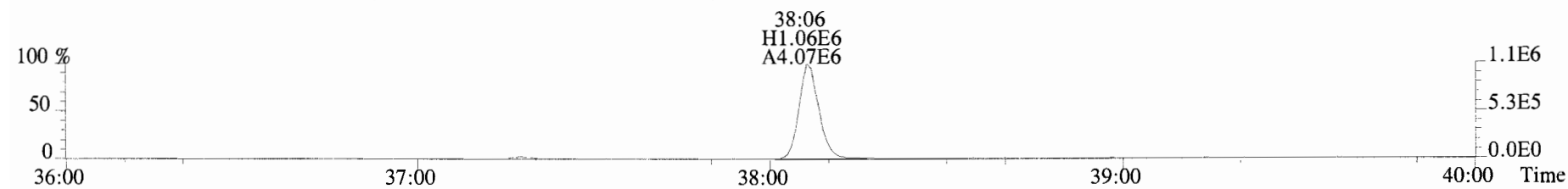
425.7737 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



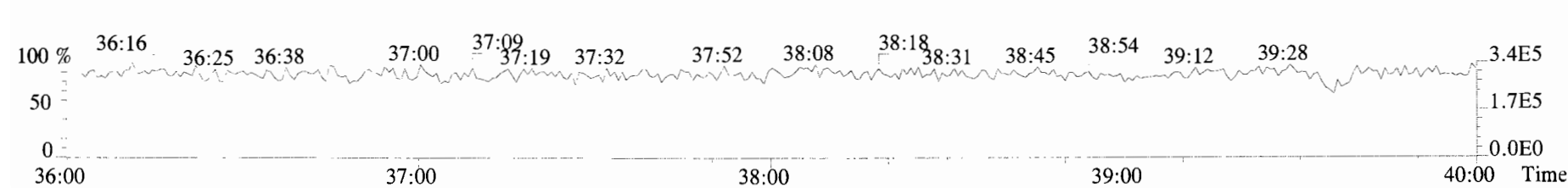
435.8169 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



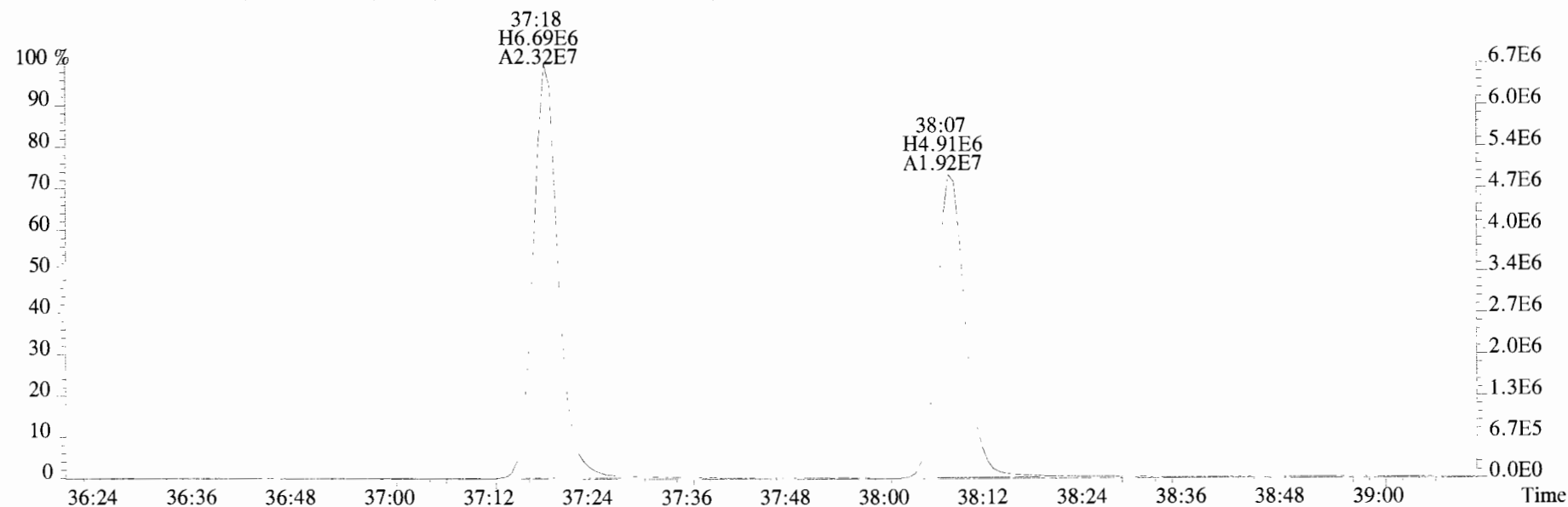
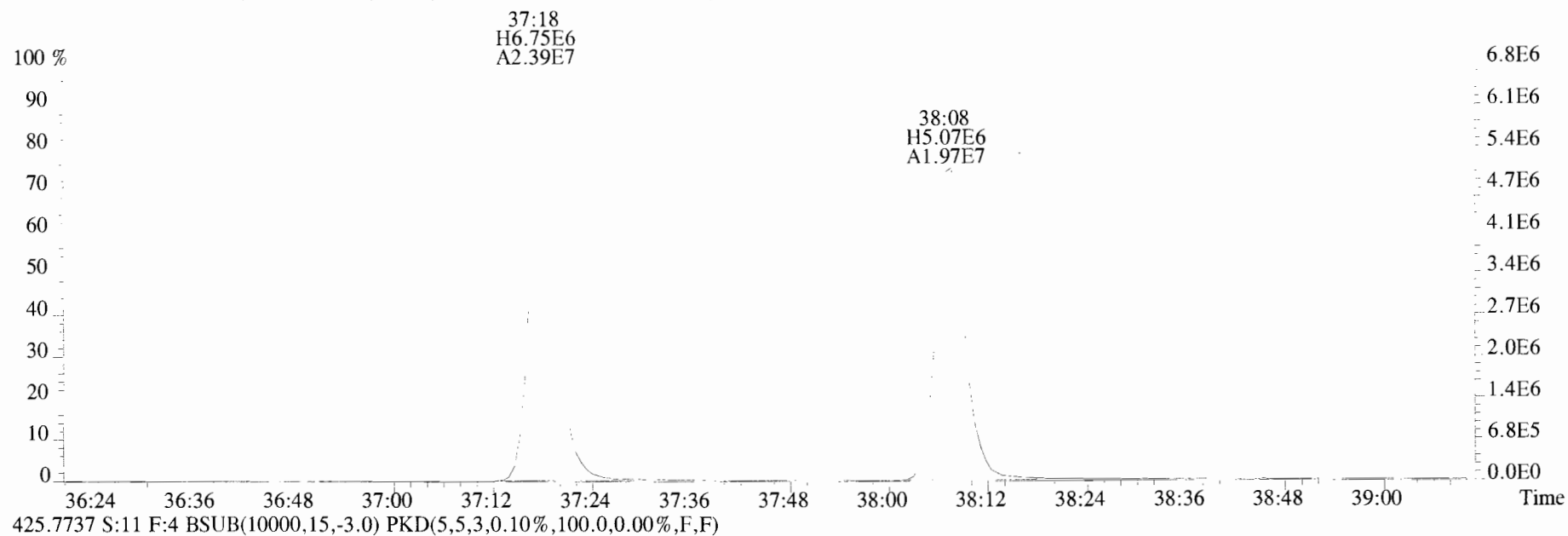
437.8140 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



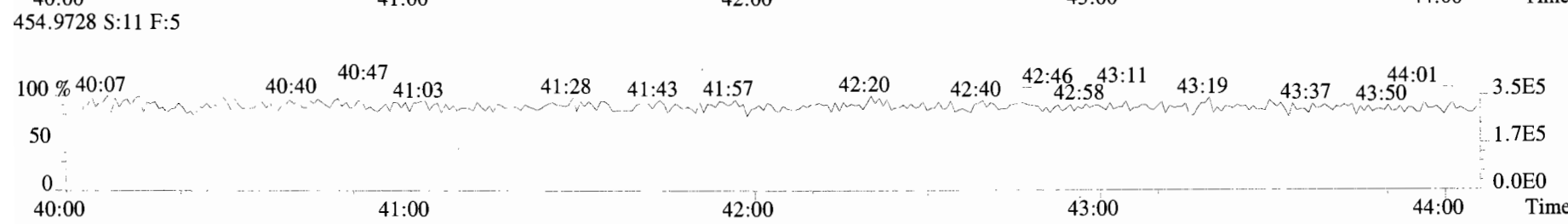
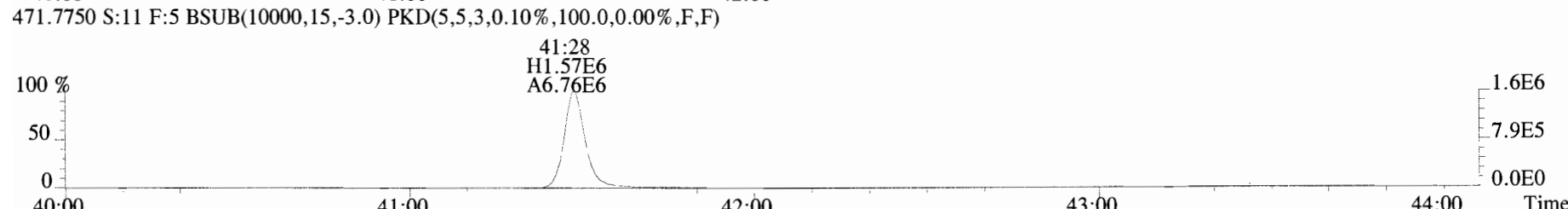
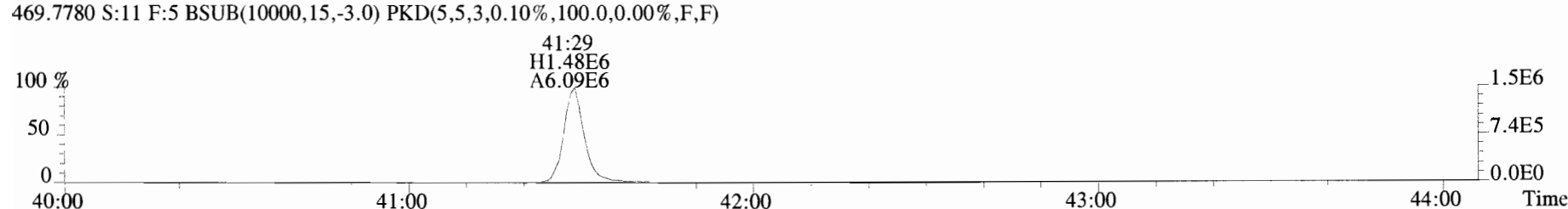
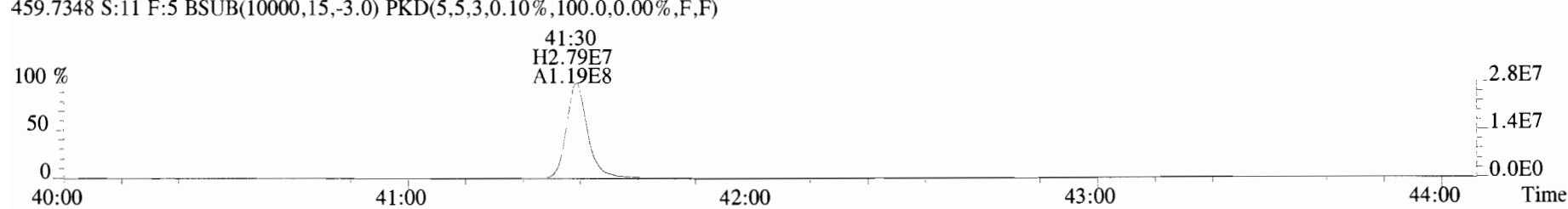
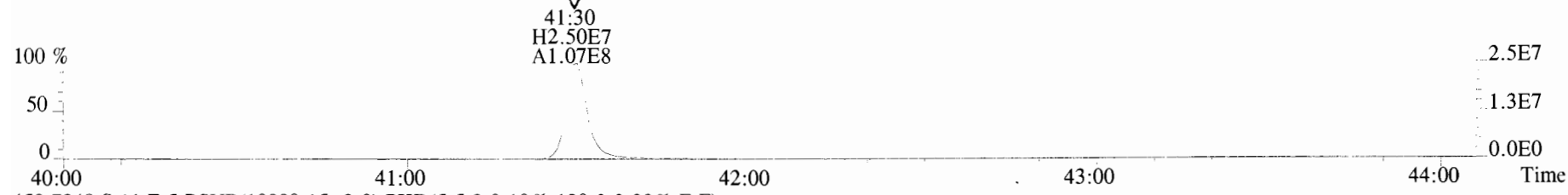
454.9728 S:11 F:4



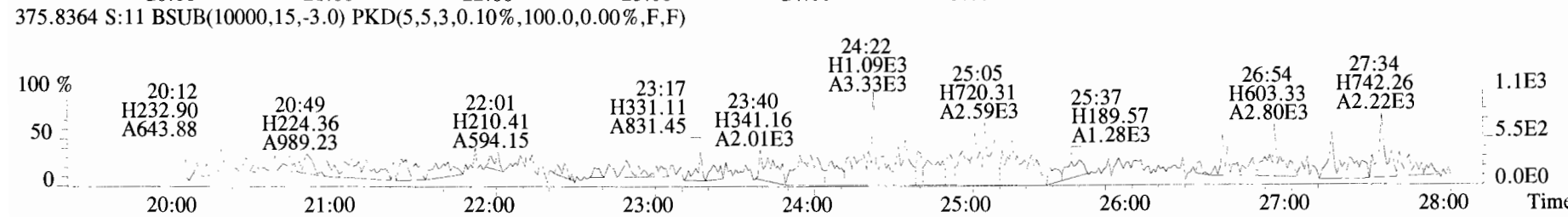
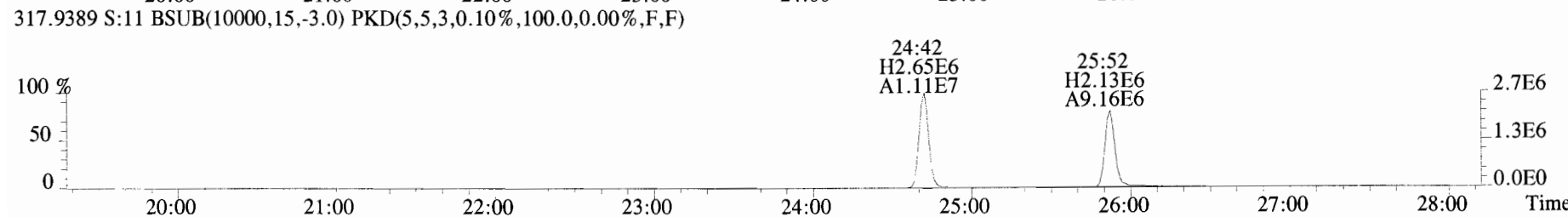
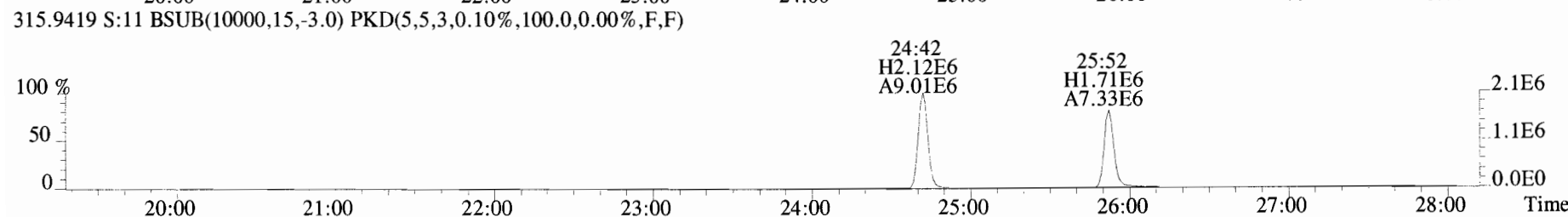
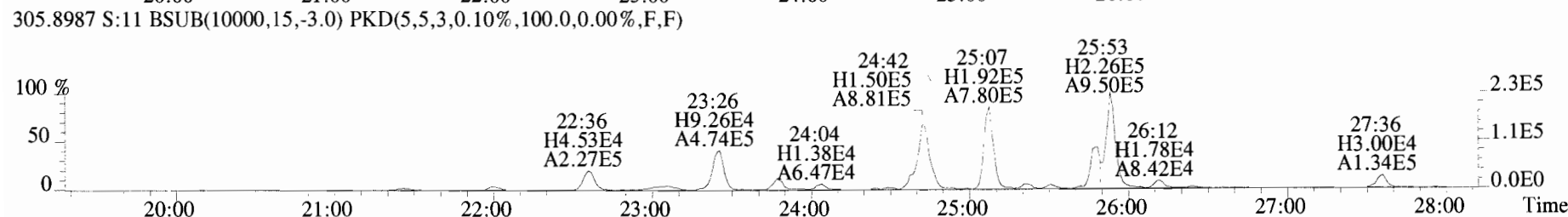
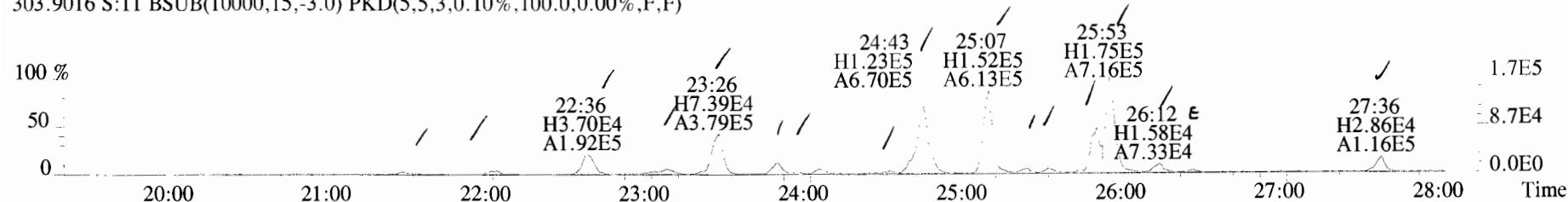
File:191011D2 #1-356 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
423.7767 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



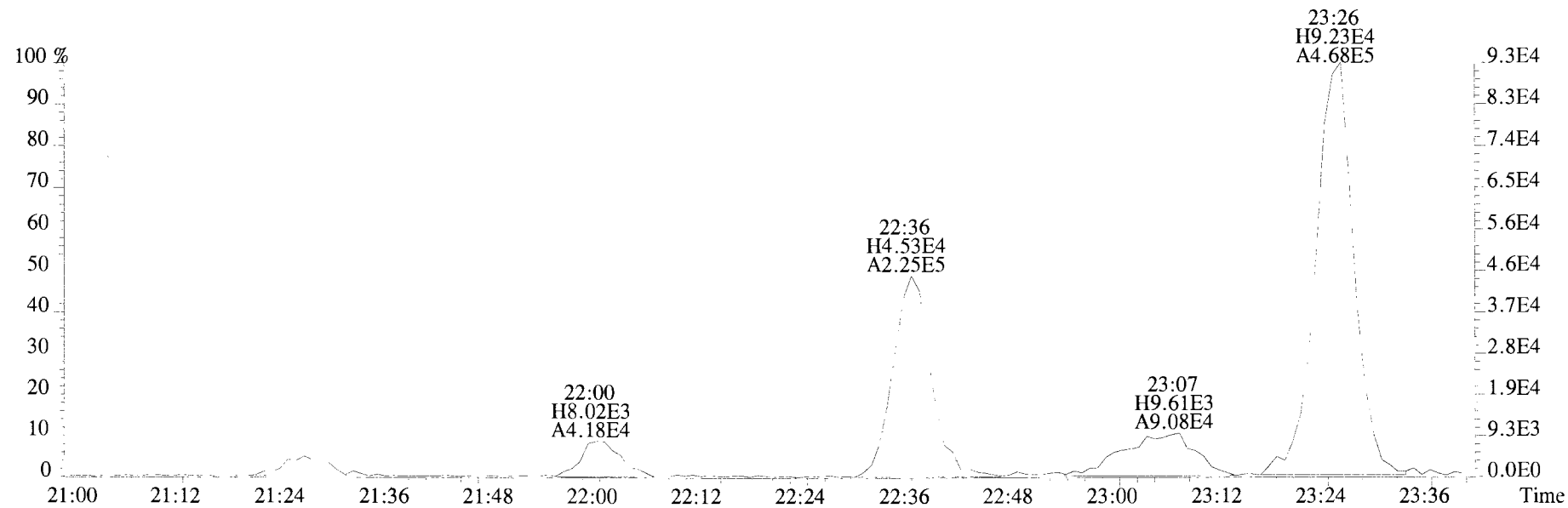
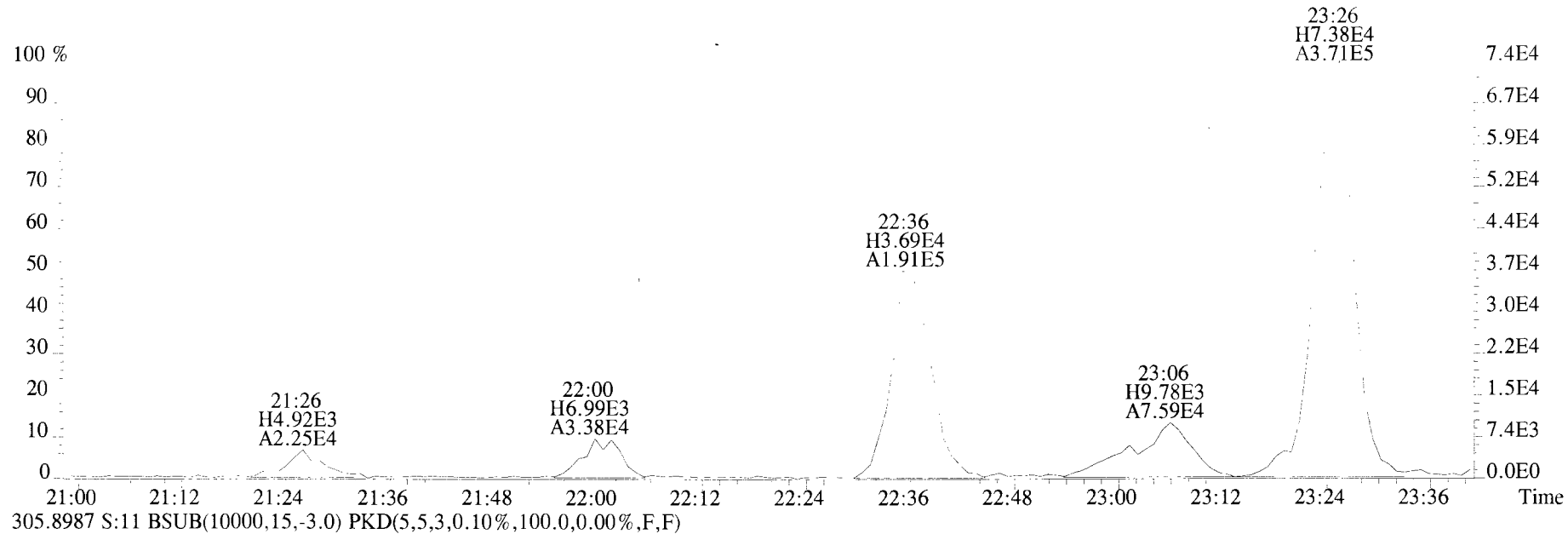
File: 191011D2 #1-431 Acq: 12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text: Vista_Analytical_Laboratory_VG7 Text: 1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp: OCDD_DB5
457.7377 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



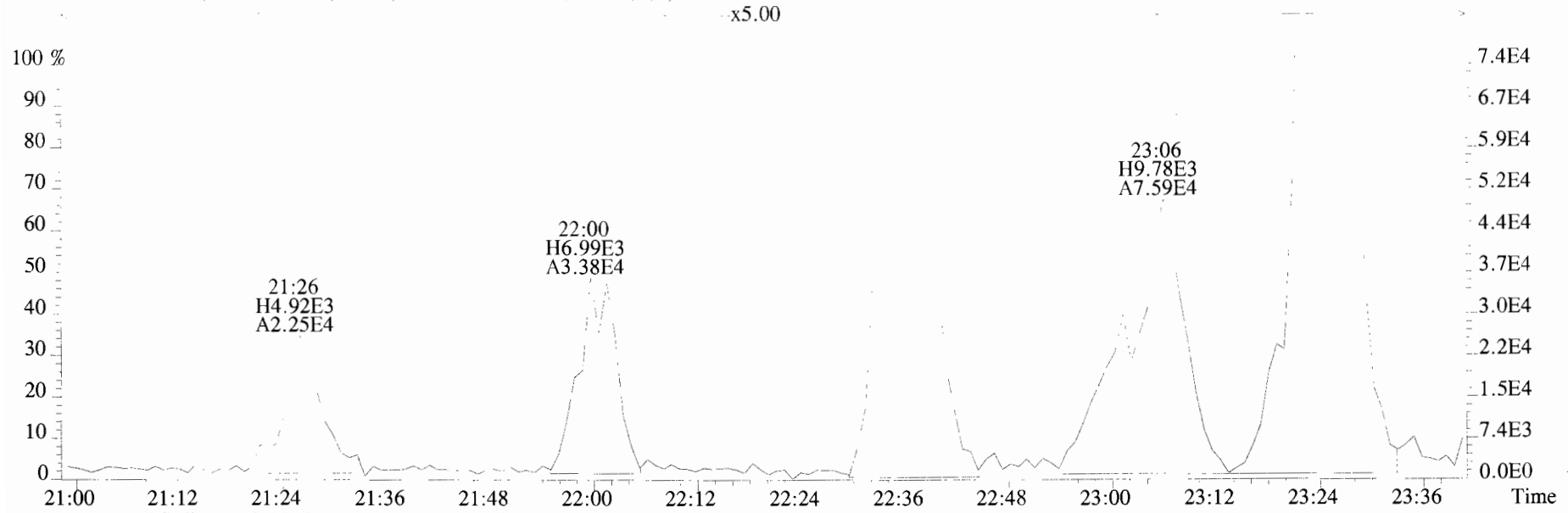
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



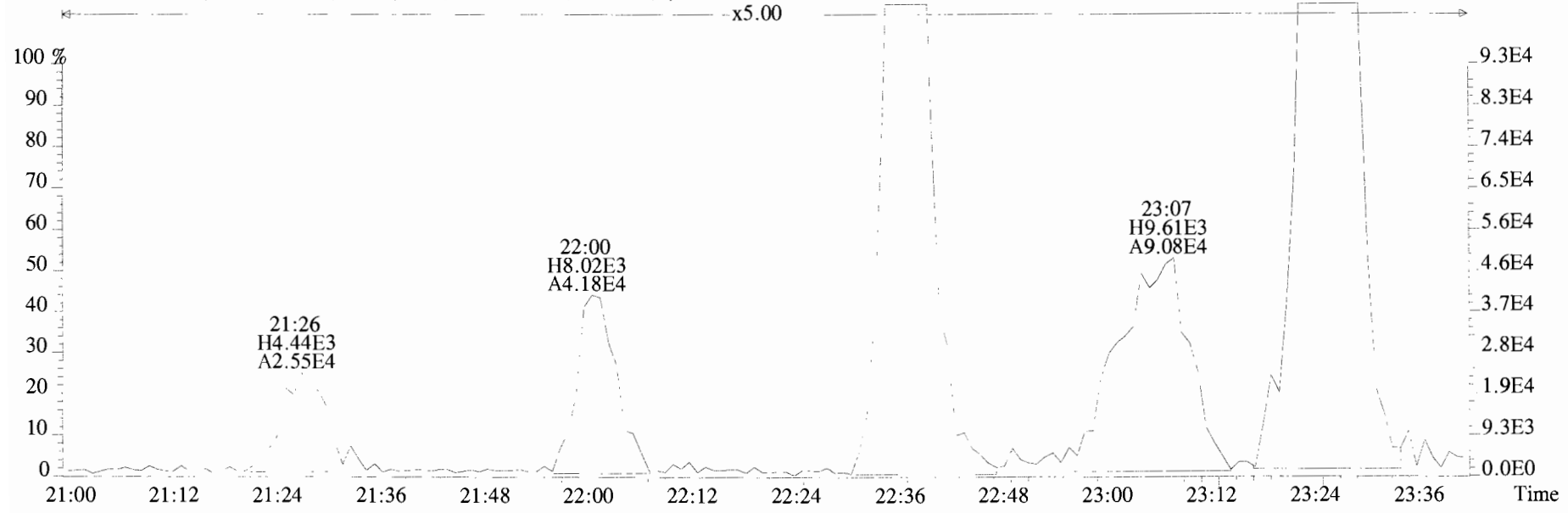
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0,10%,100.0,0.00%,F,F)



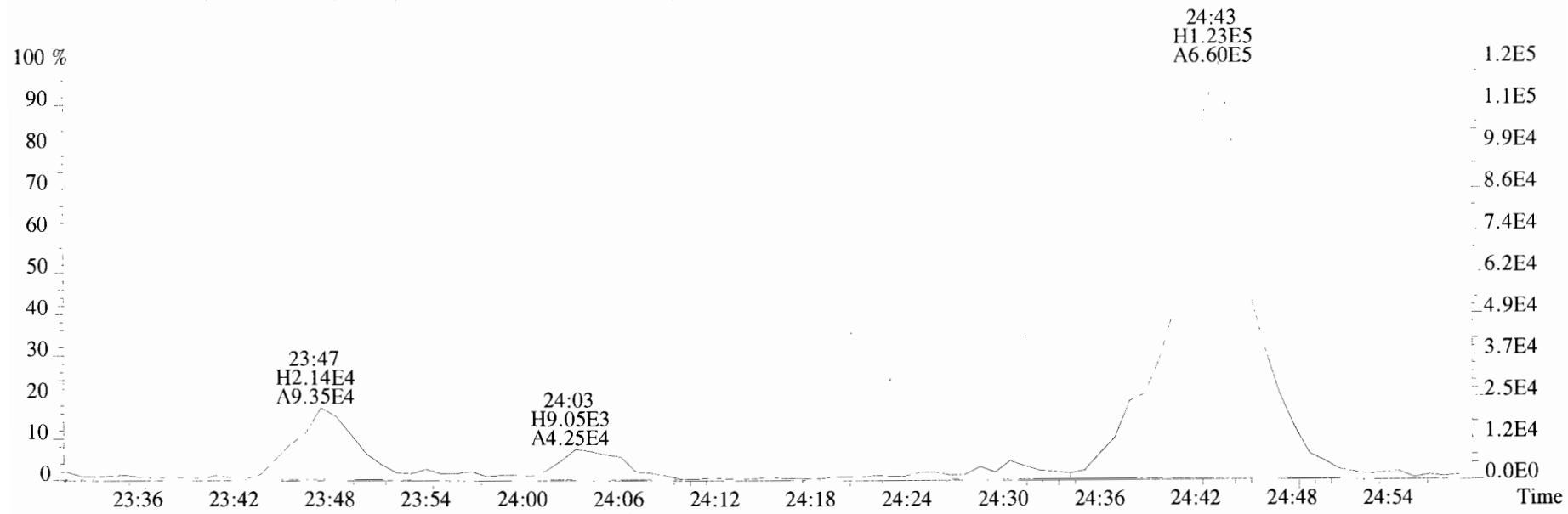
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



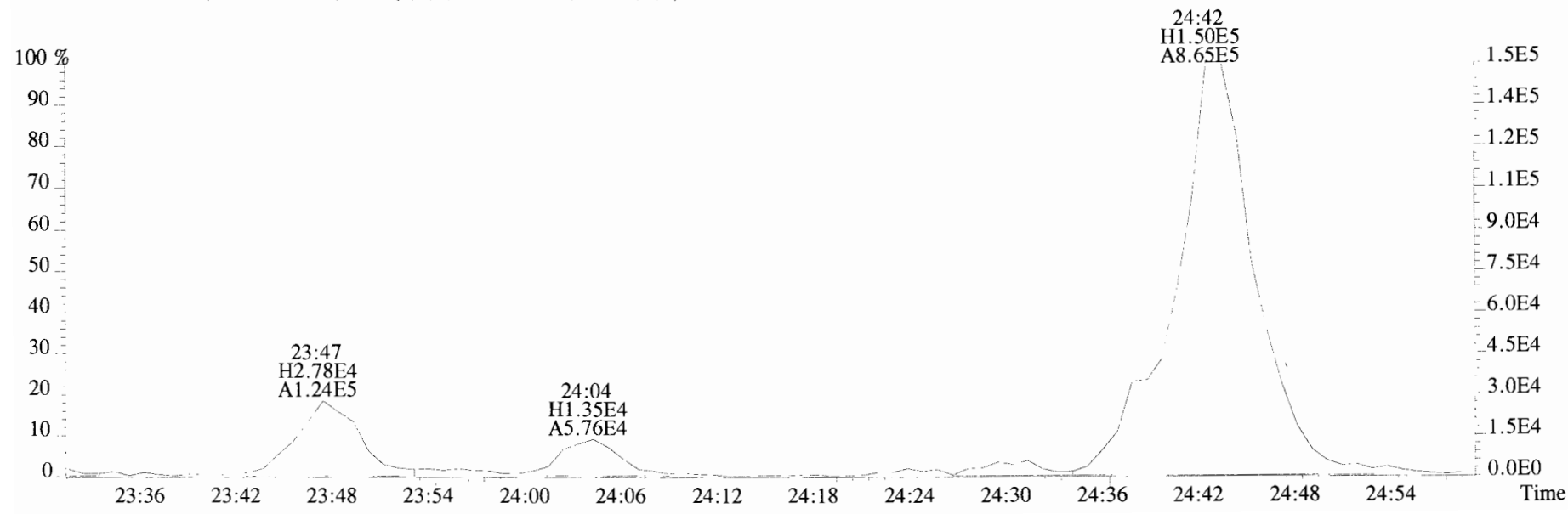
305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



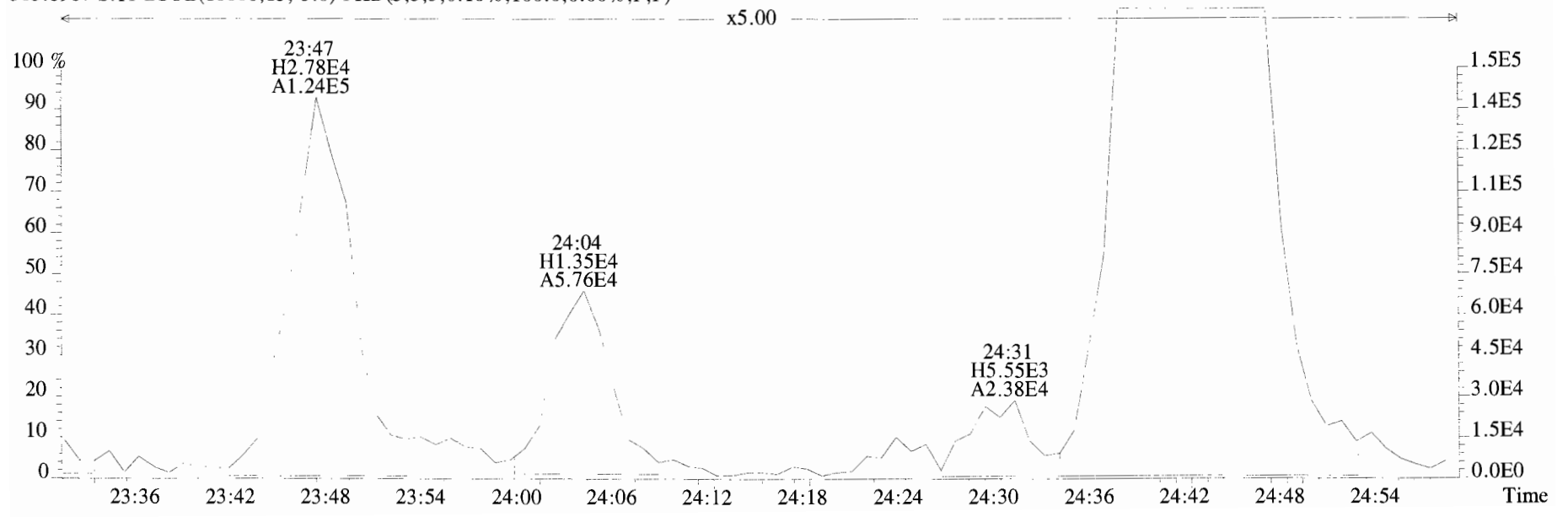
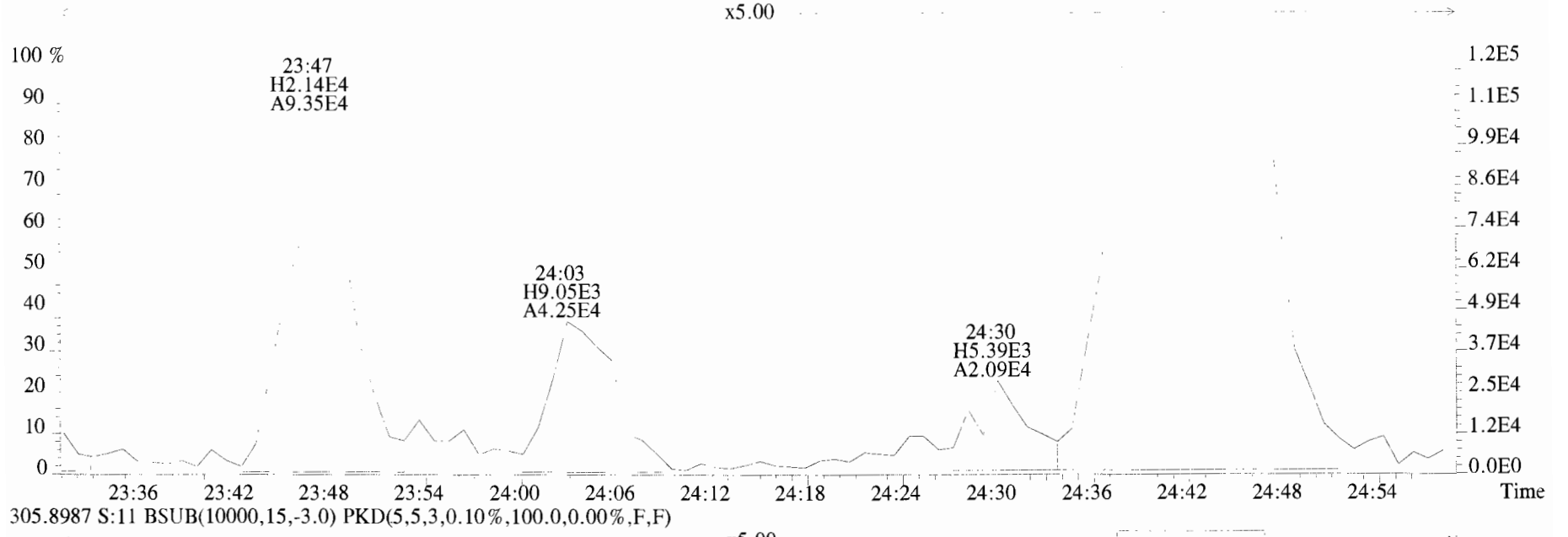
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



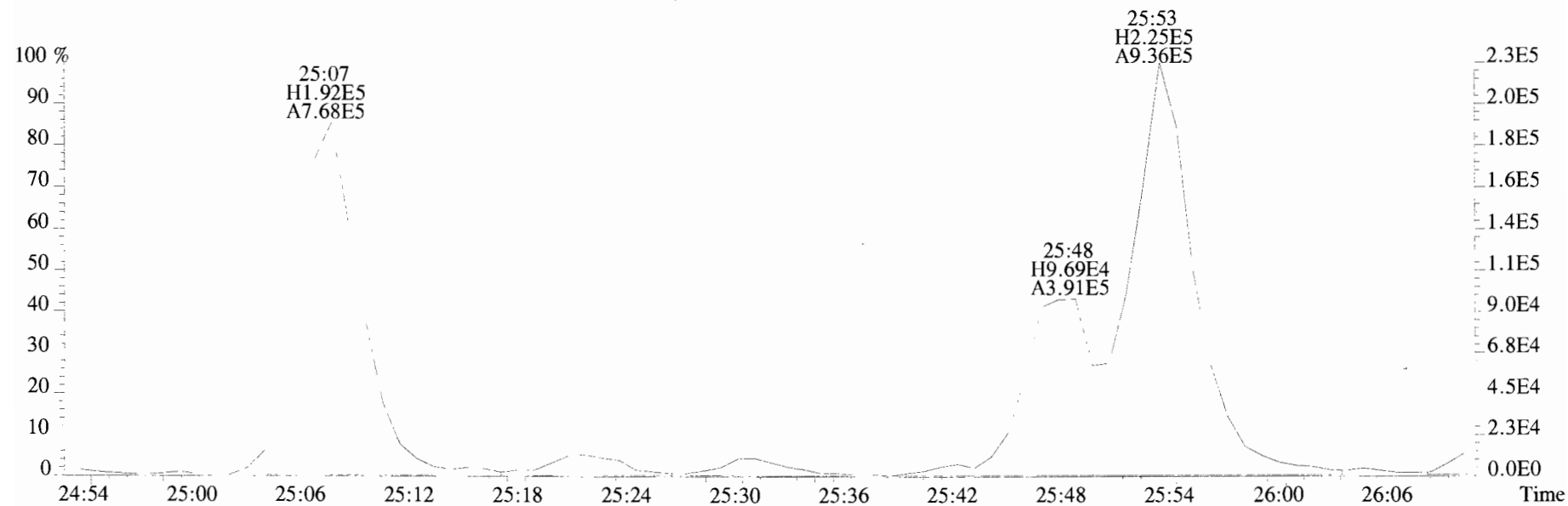
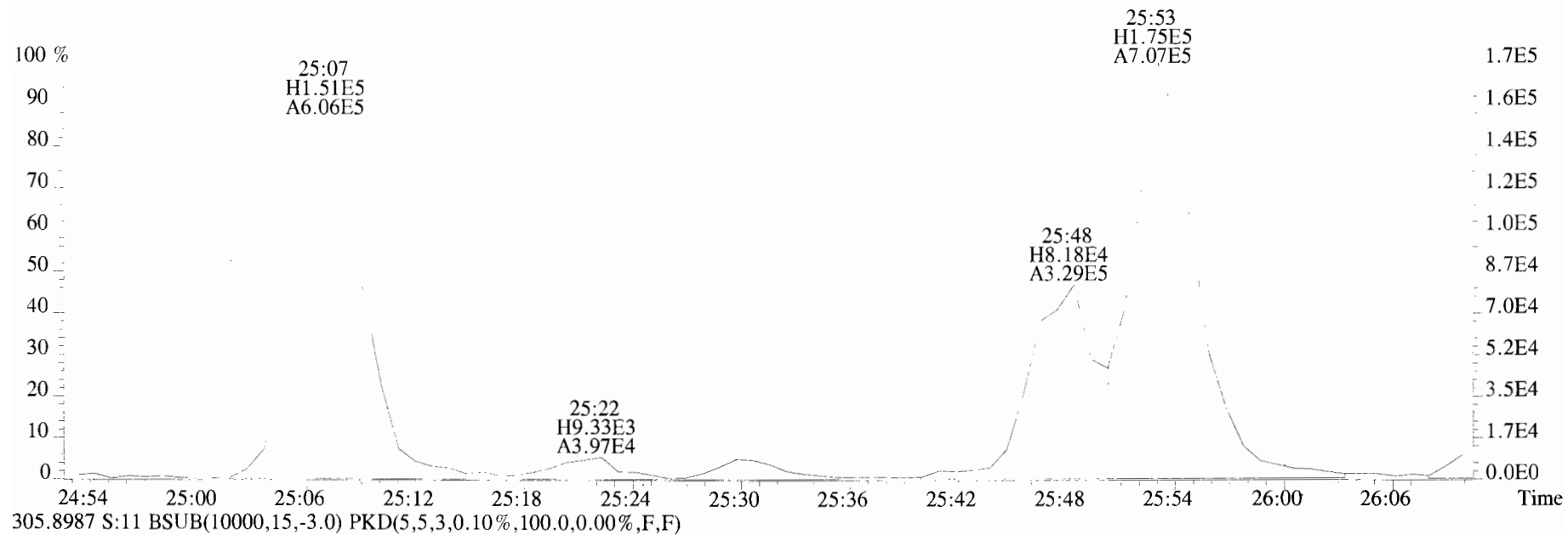
305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



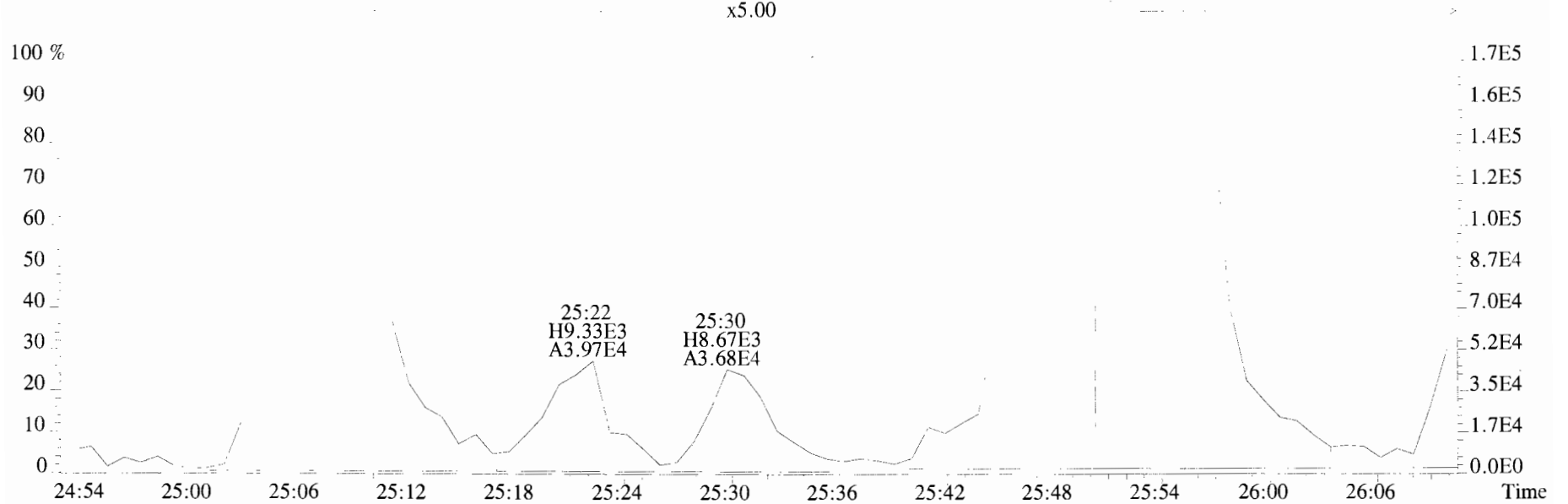
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
303.9016 S:11 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



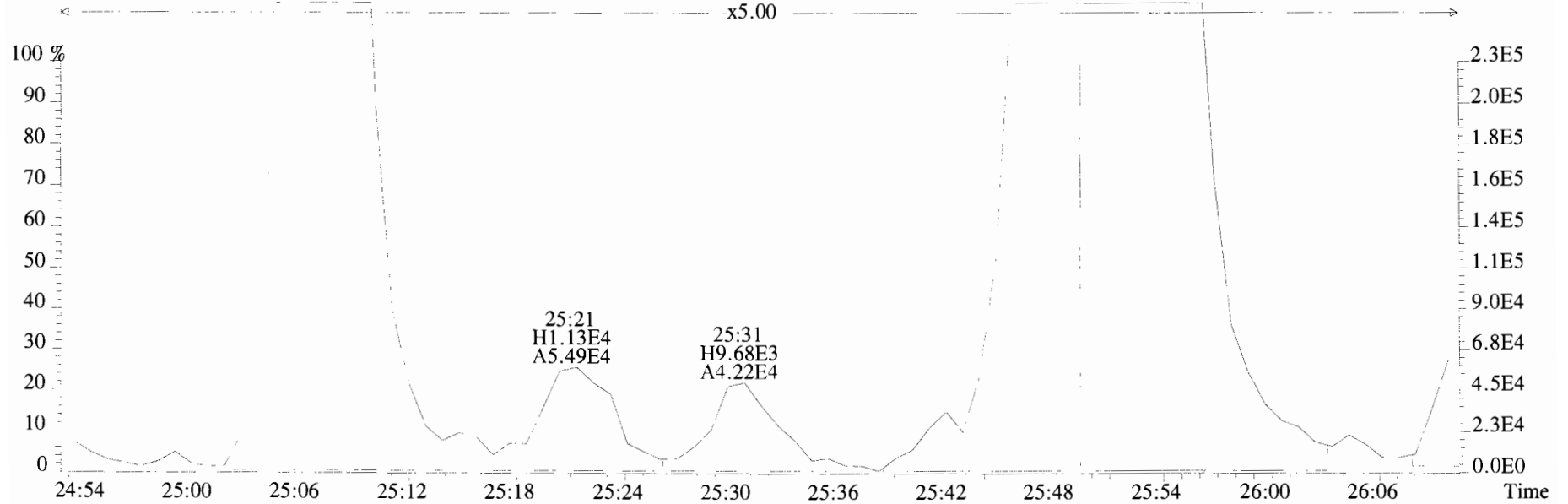
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



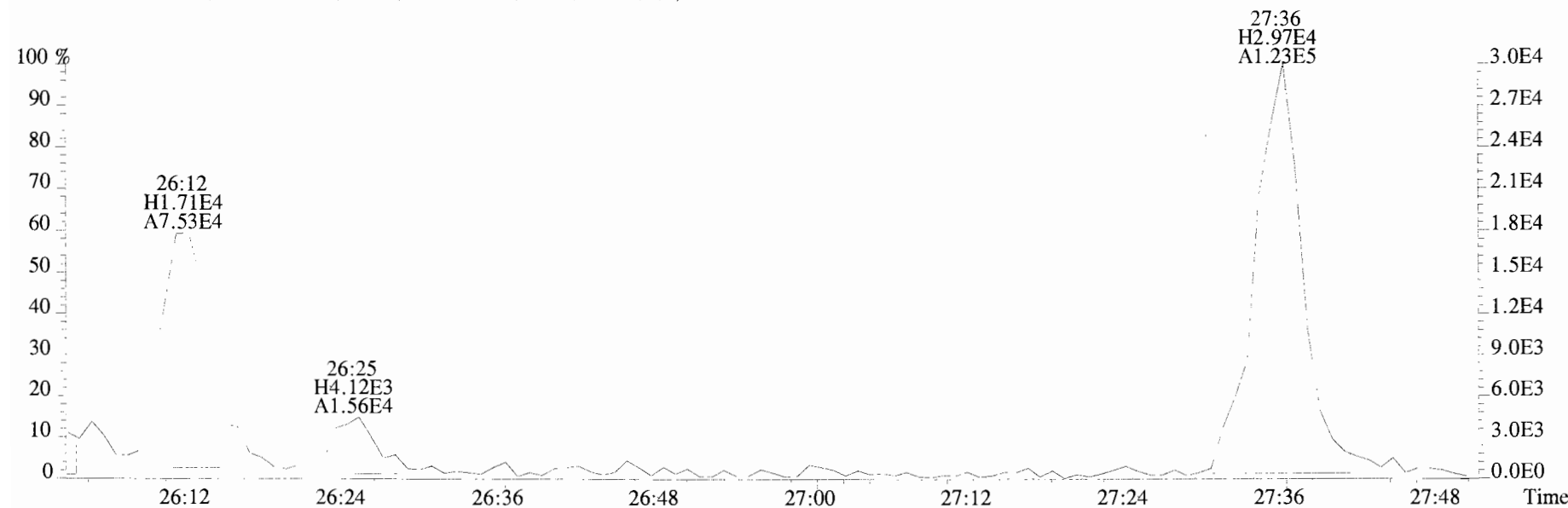
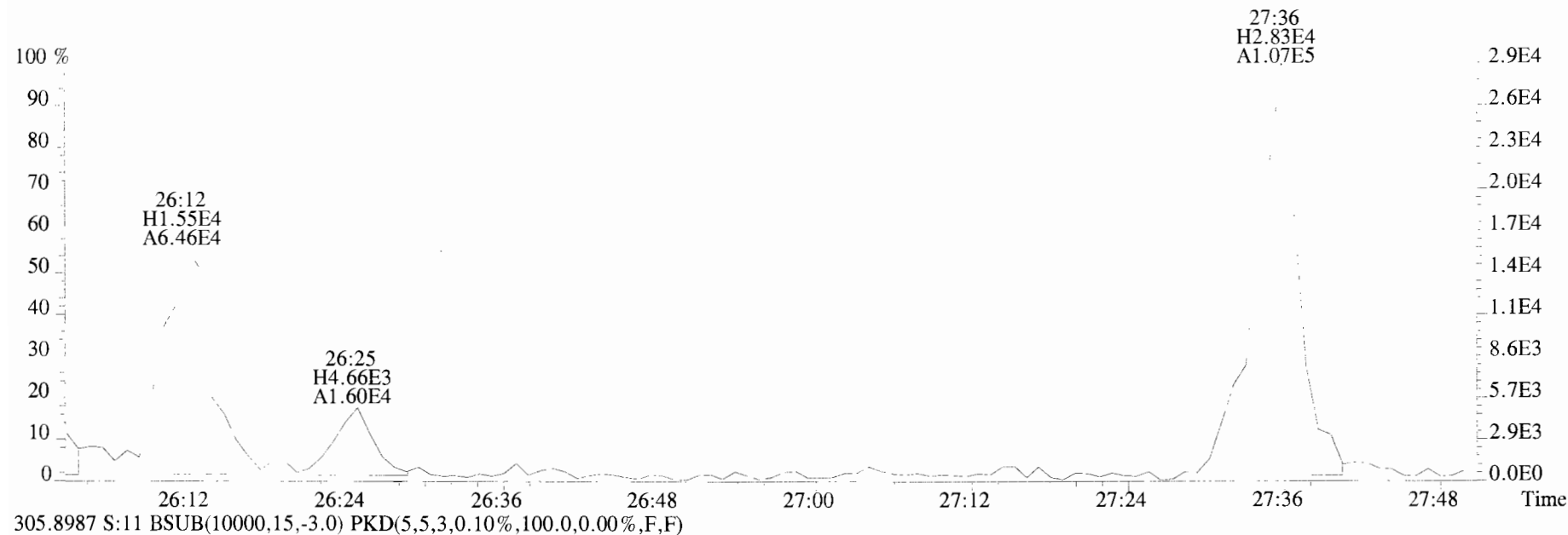
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



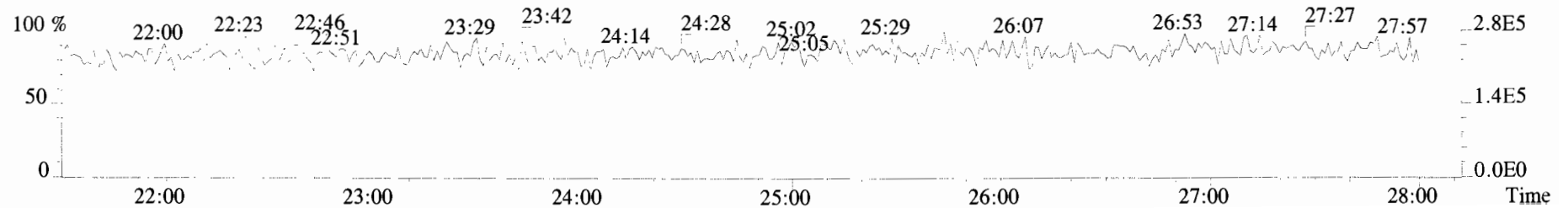
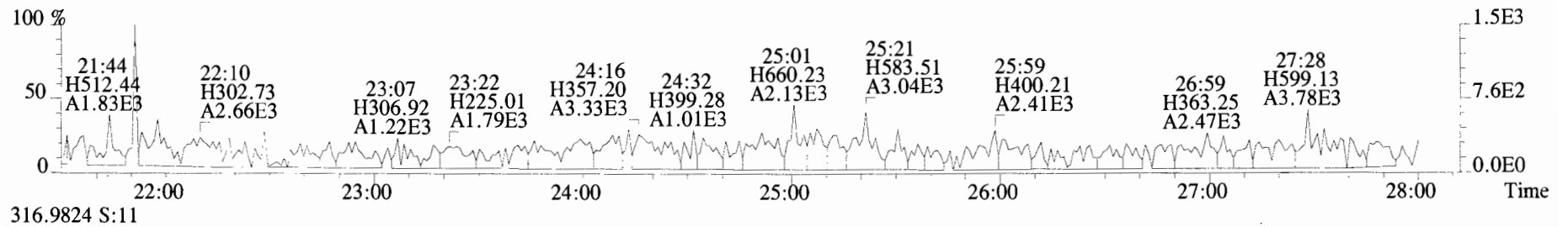
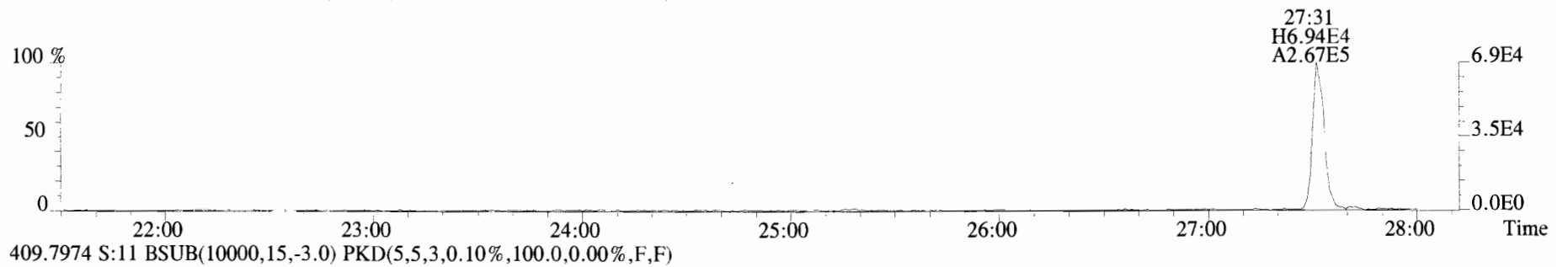
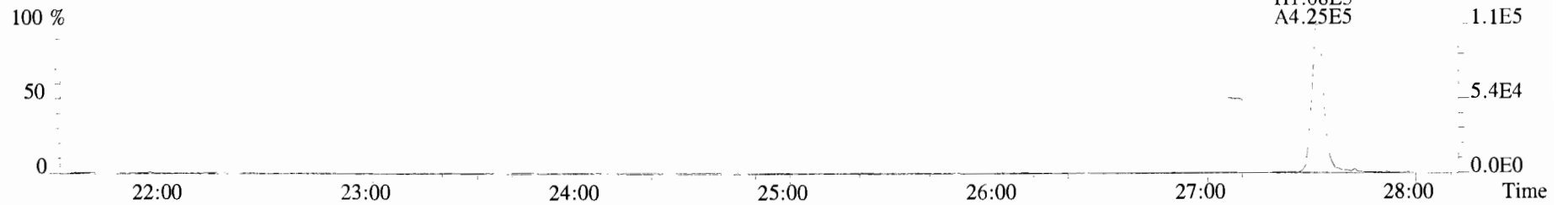
305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



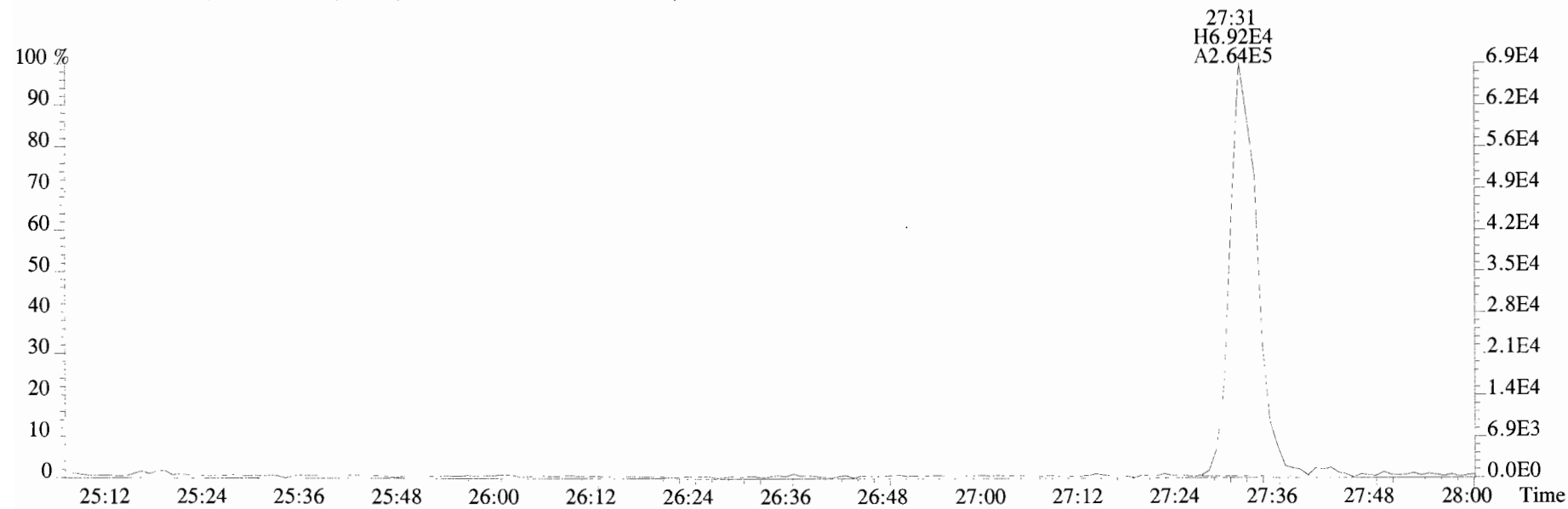
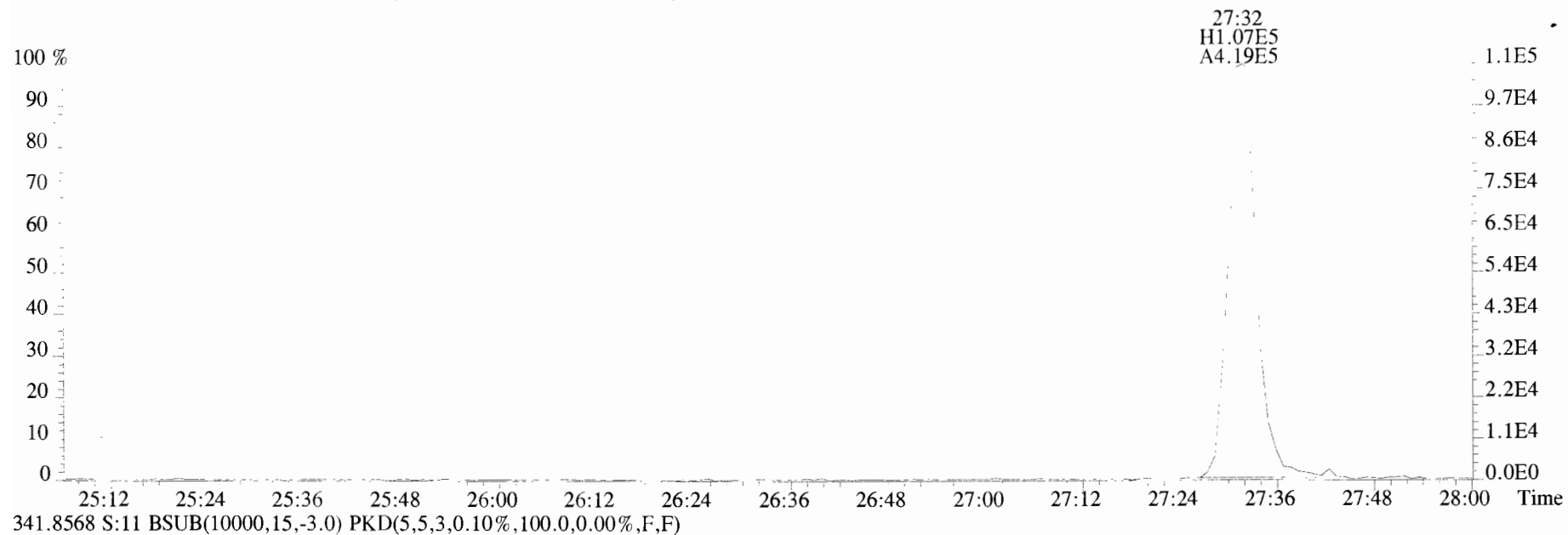
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
303.9016 S:11 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



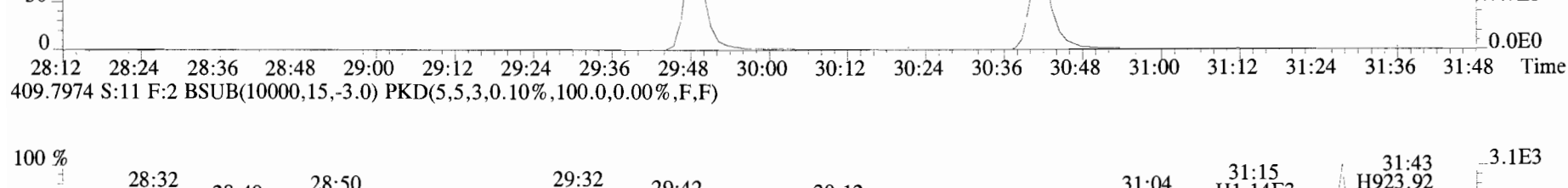
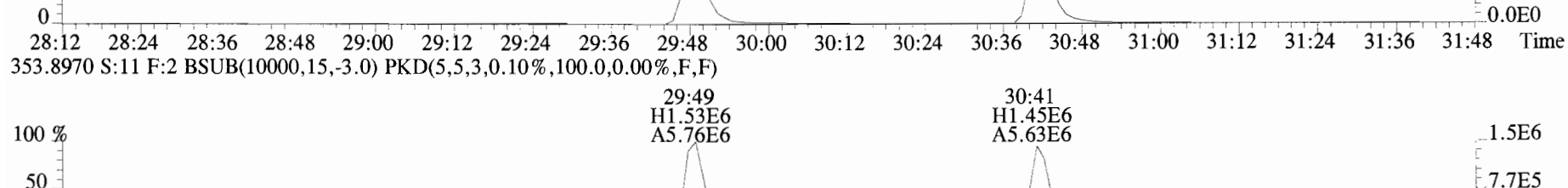
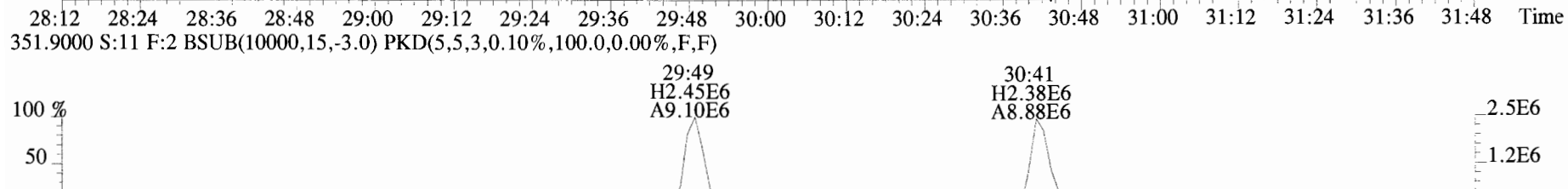
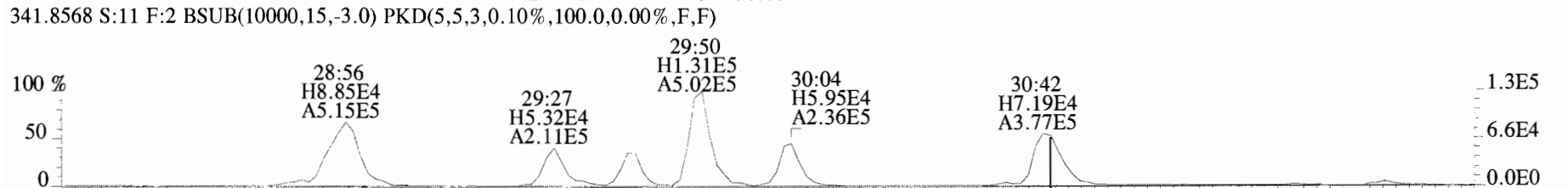
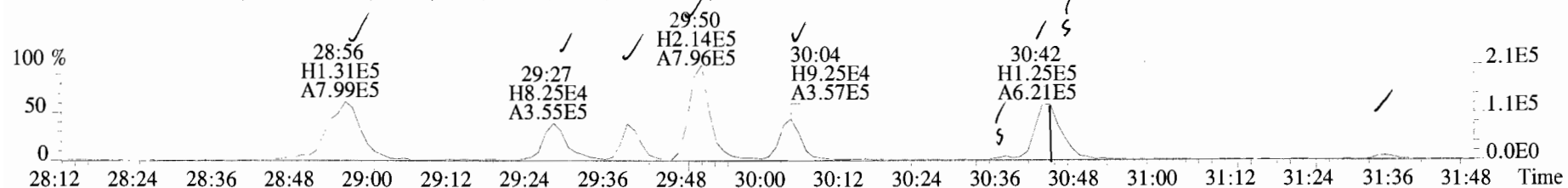
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



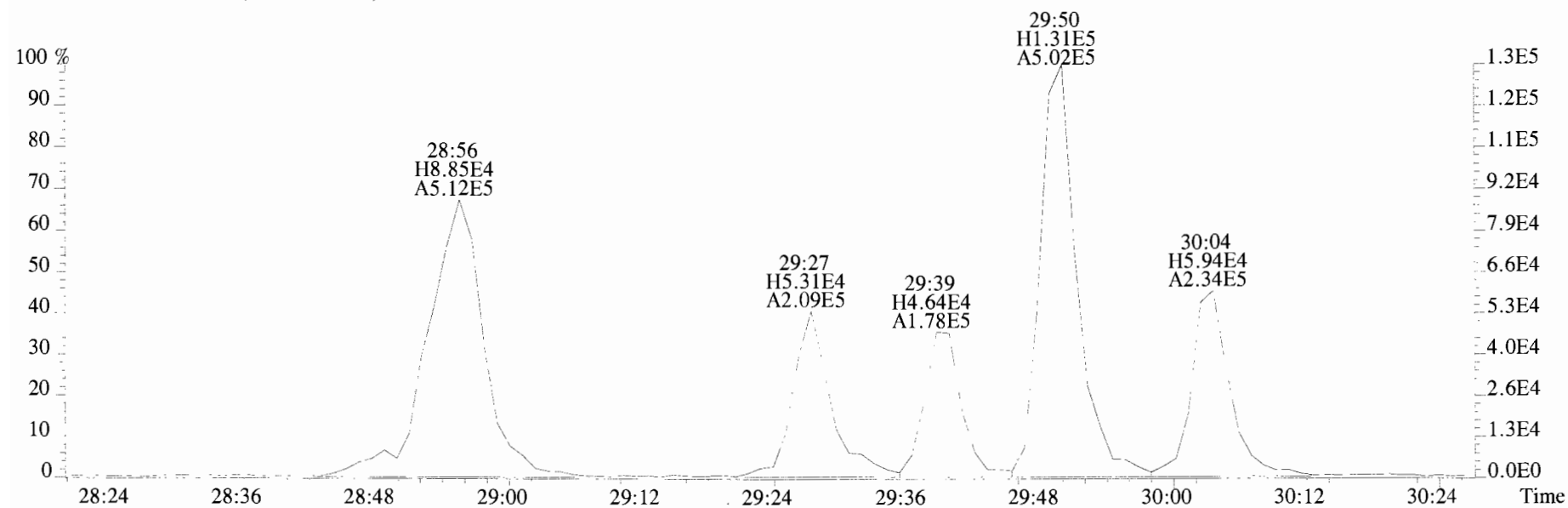
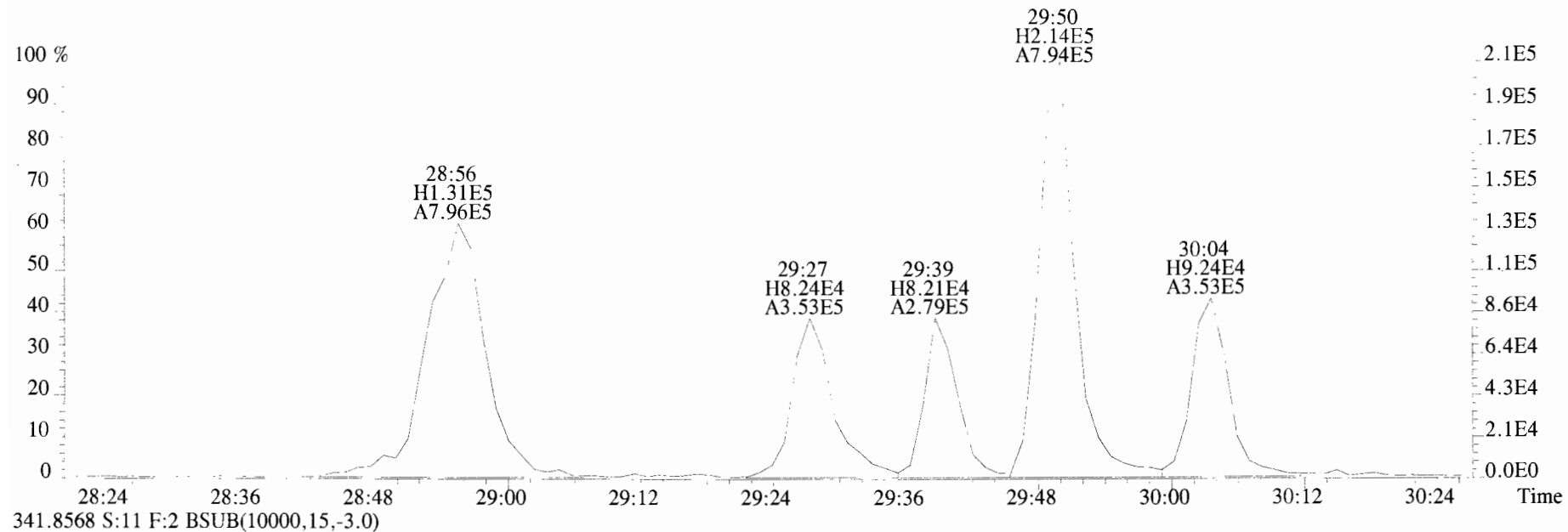
File:191011D2 #1-514 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
339.8597 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



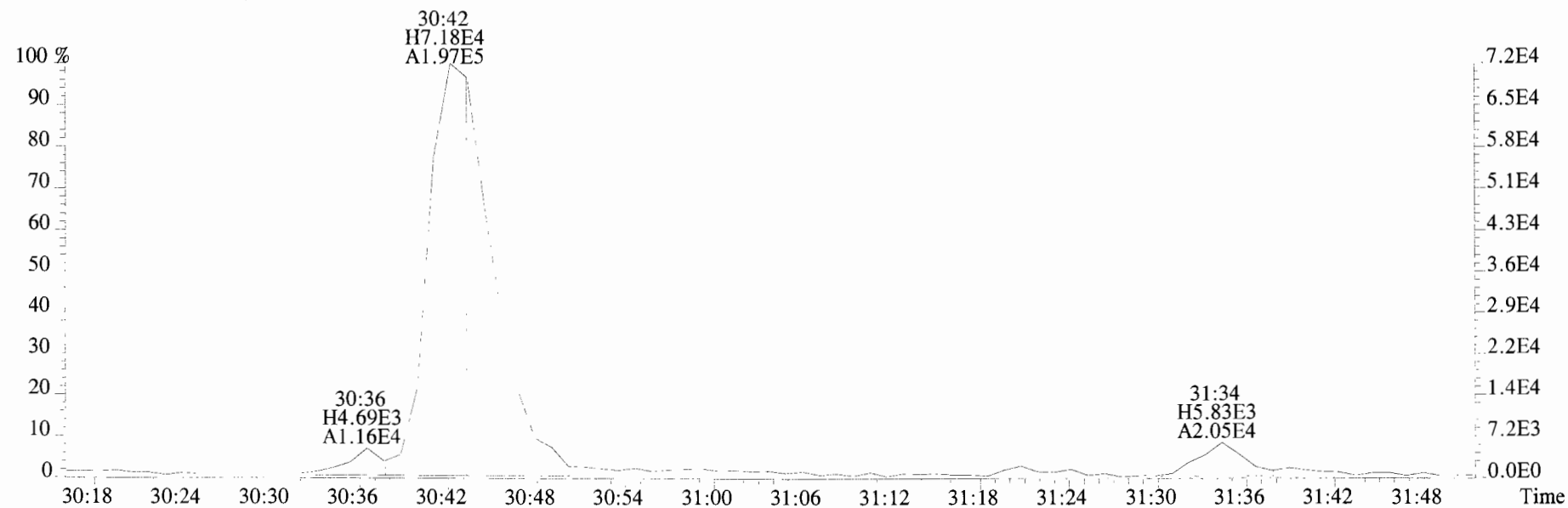
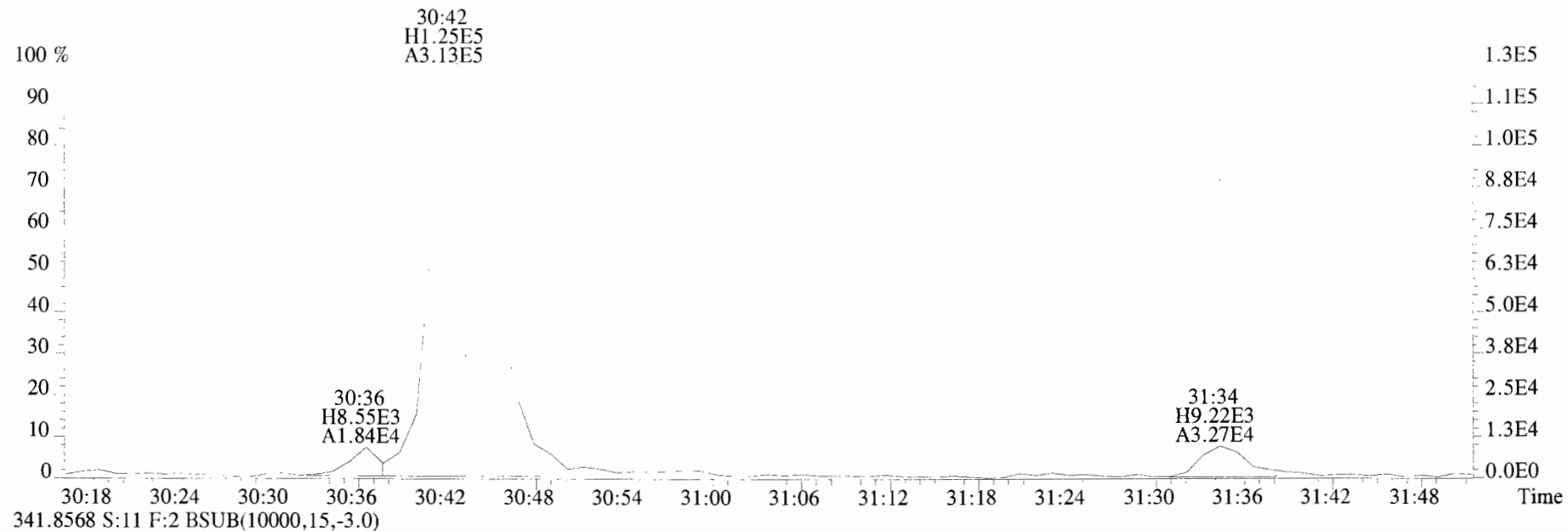
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 339.8597 S:11 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



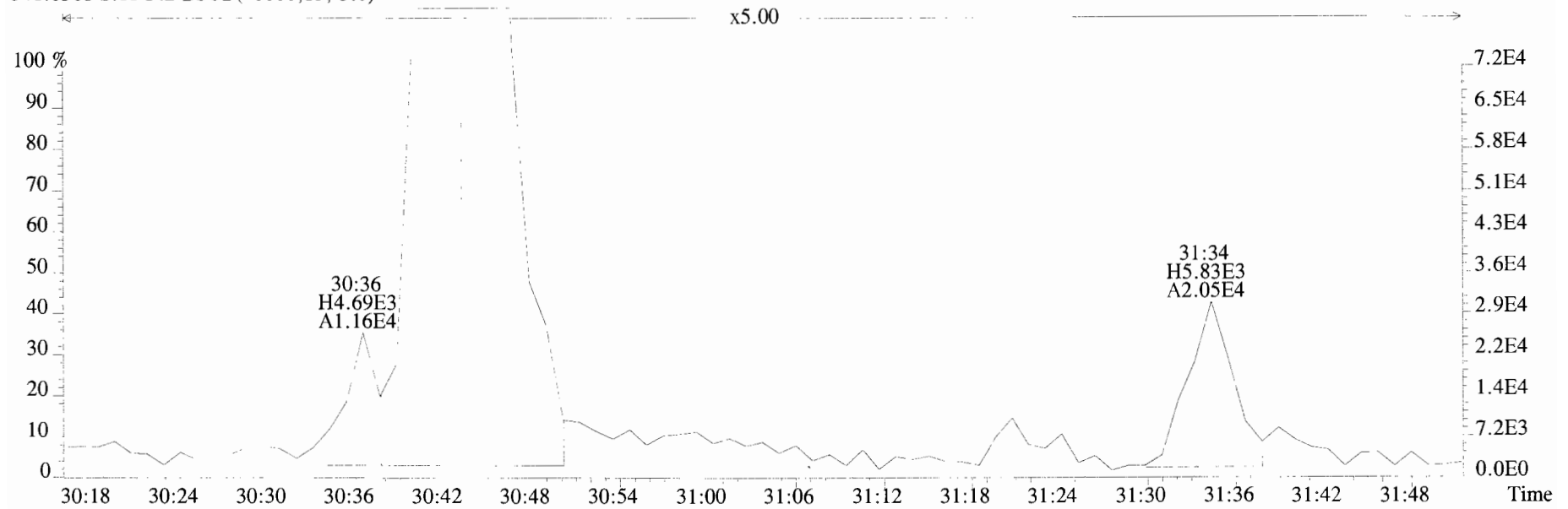
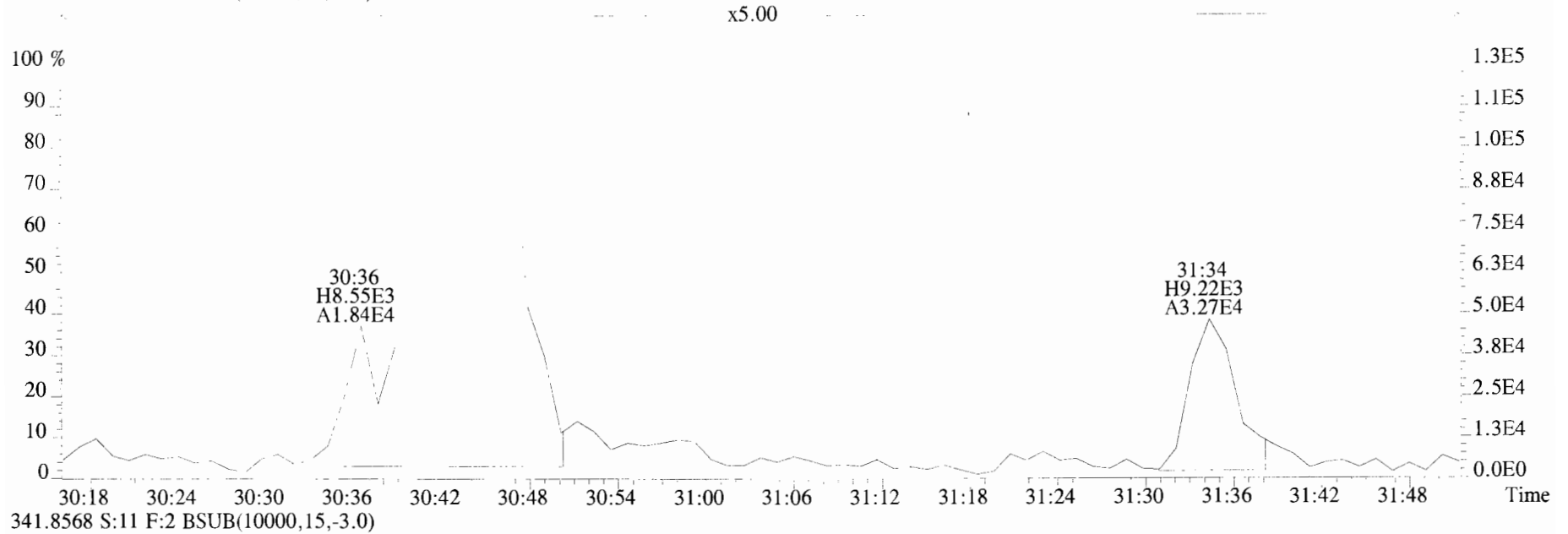
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
339.8597 S:11 F:2 BSUB(10000,15,-3.0)



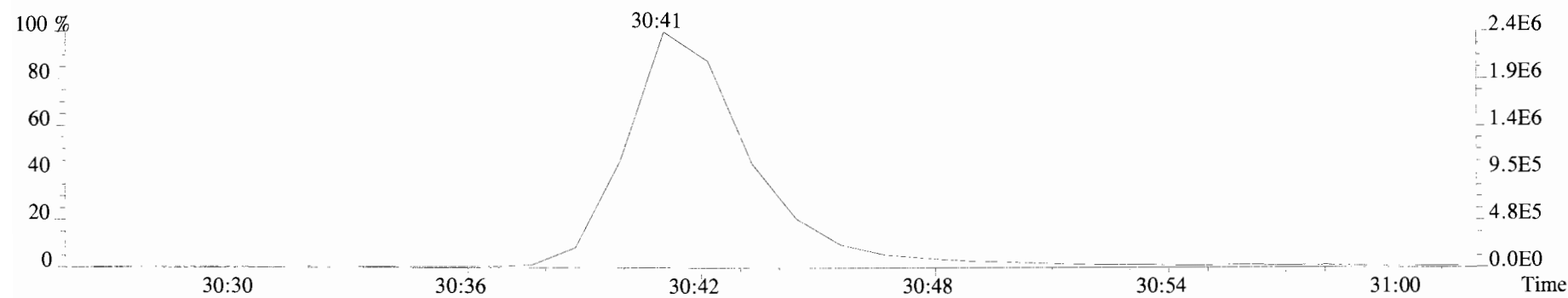
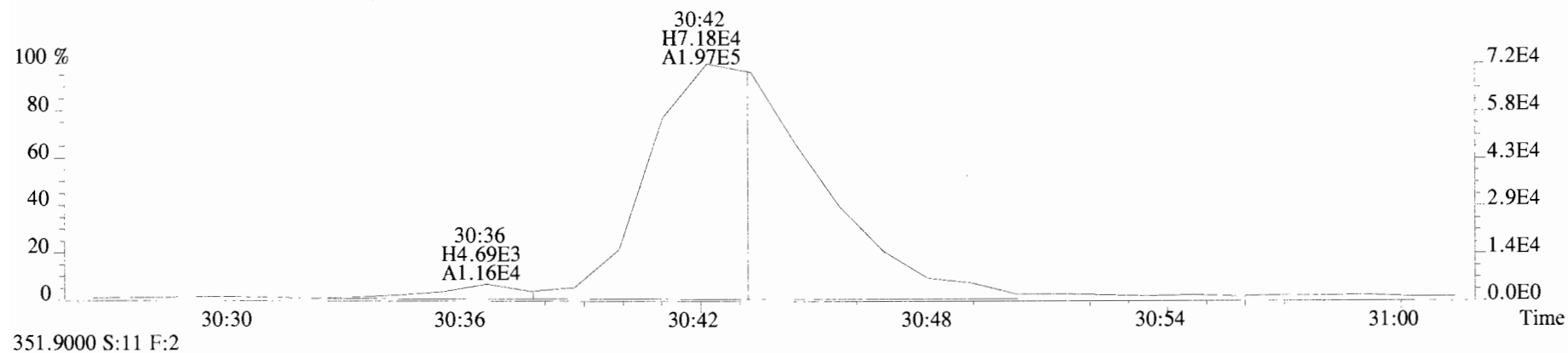
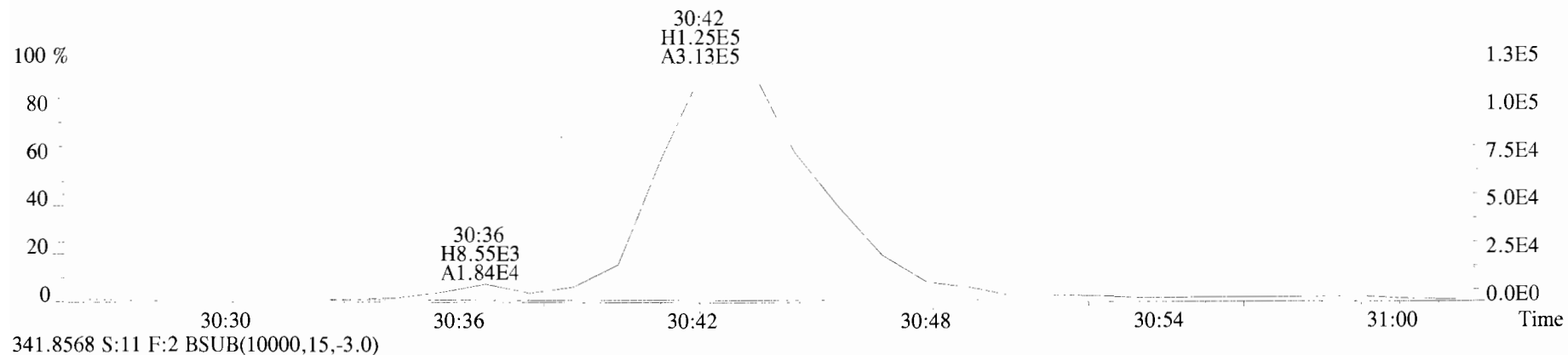
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
339.8597 S:11 F:2 BSUB(I0000,15,-3.0)



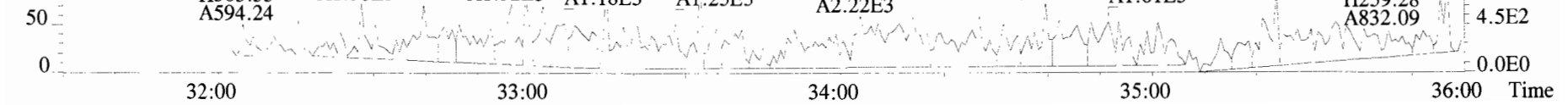
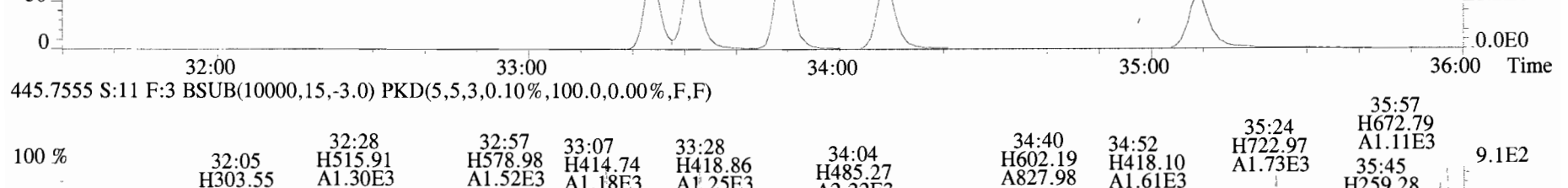
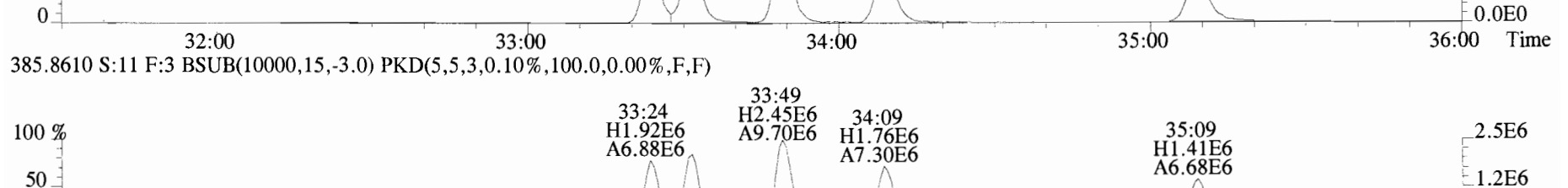
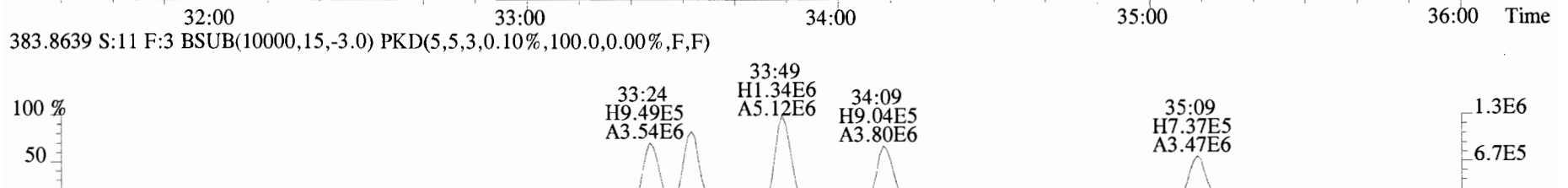
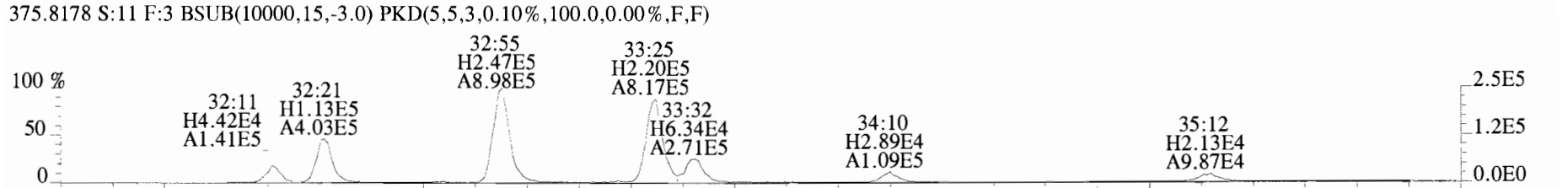
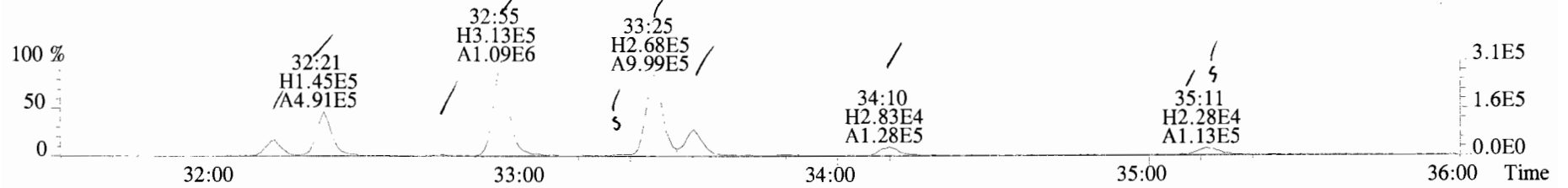
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
339.8597 S:11 F:2 BSUB(10000,15,-3.0)



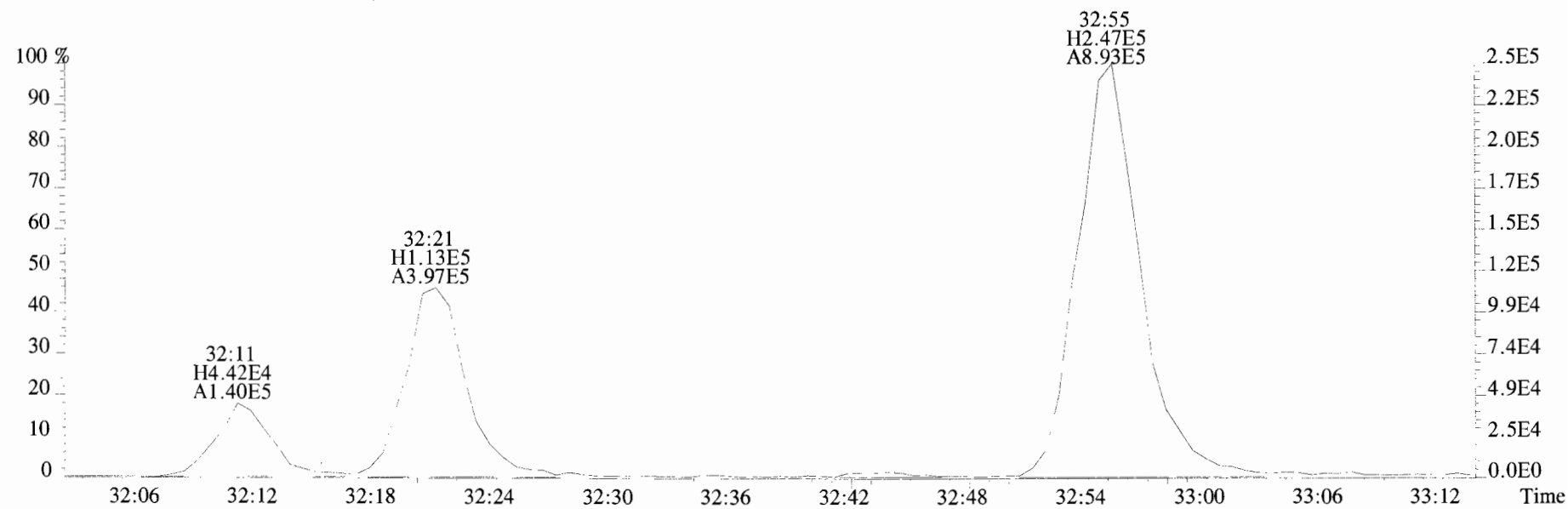
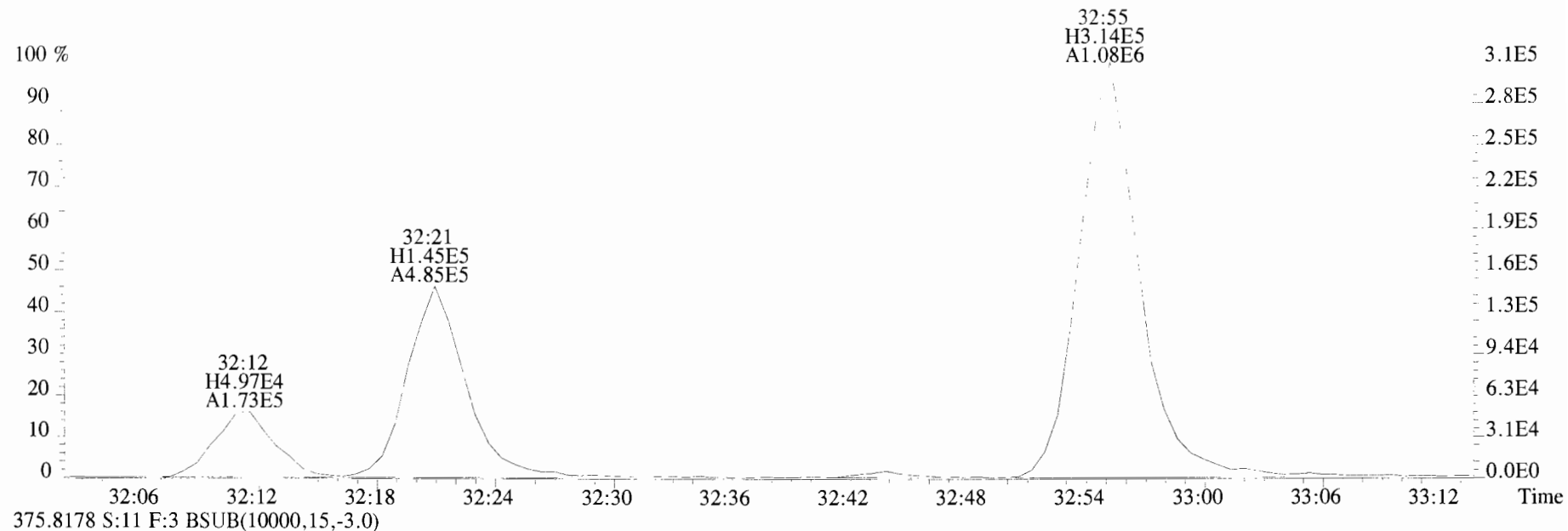
File:191011D2 #1-211 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
339.8597 S:11 F:2 BSUB(10000,15,-3.0)



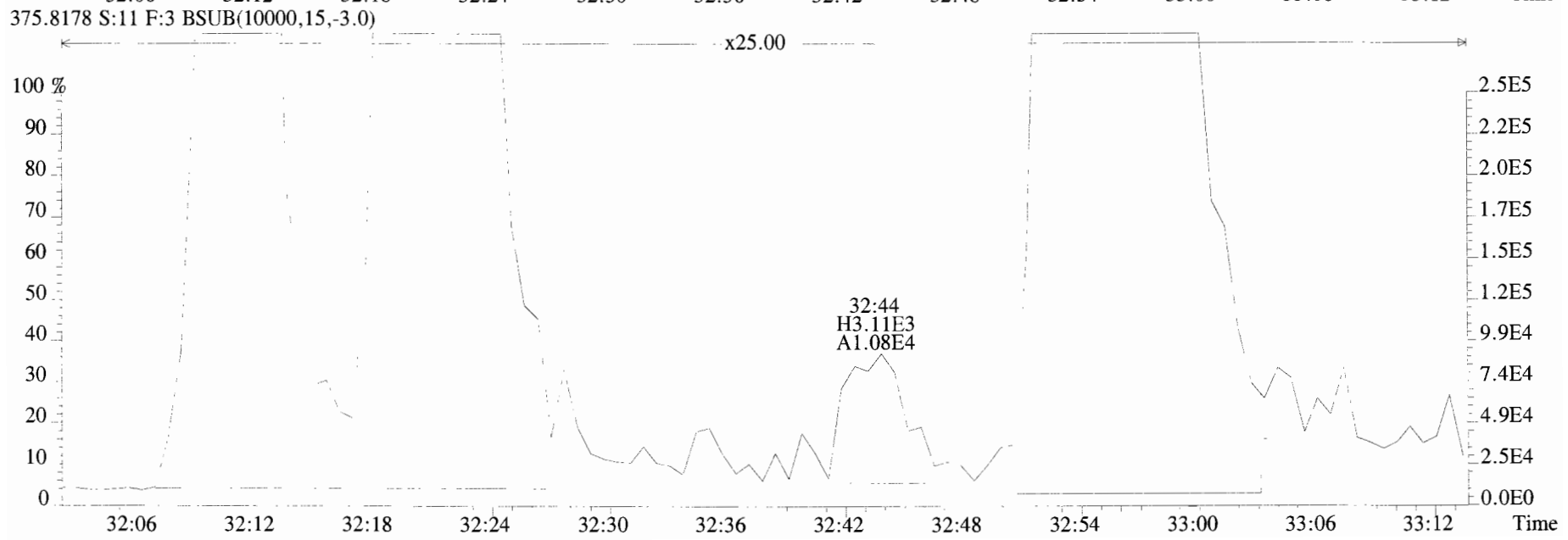
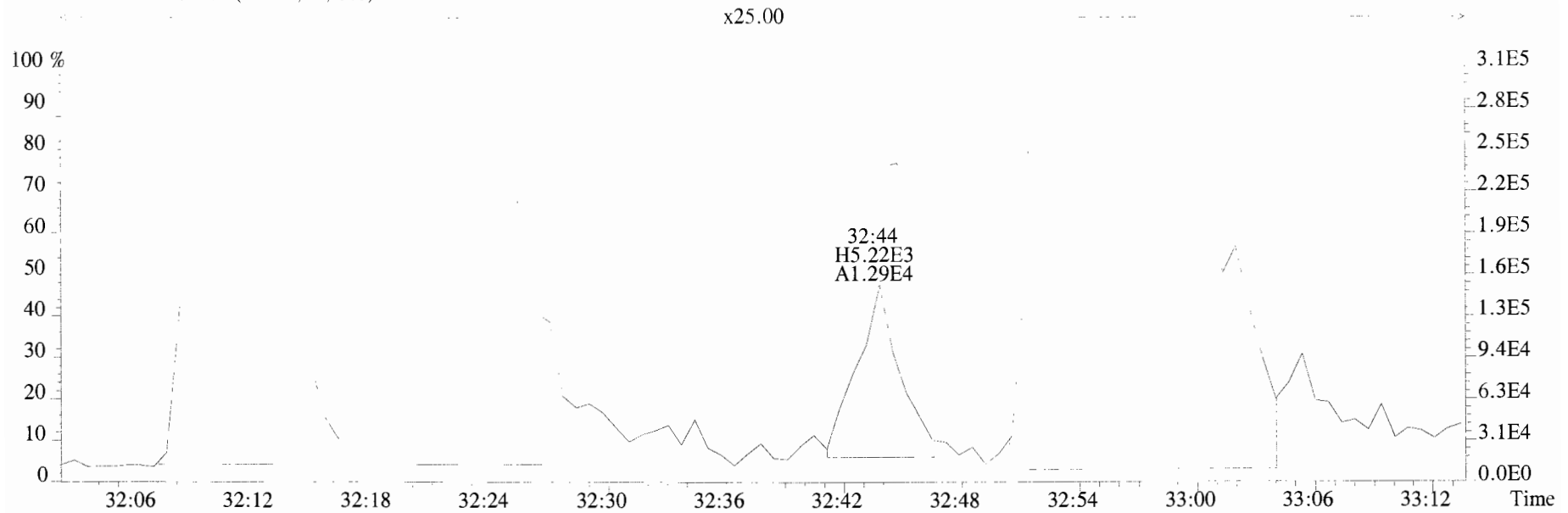
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 373.8207 S:11 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



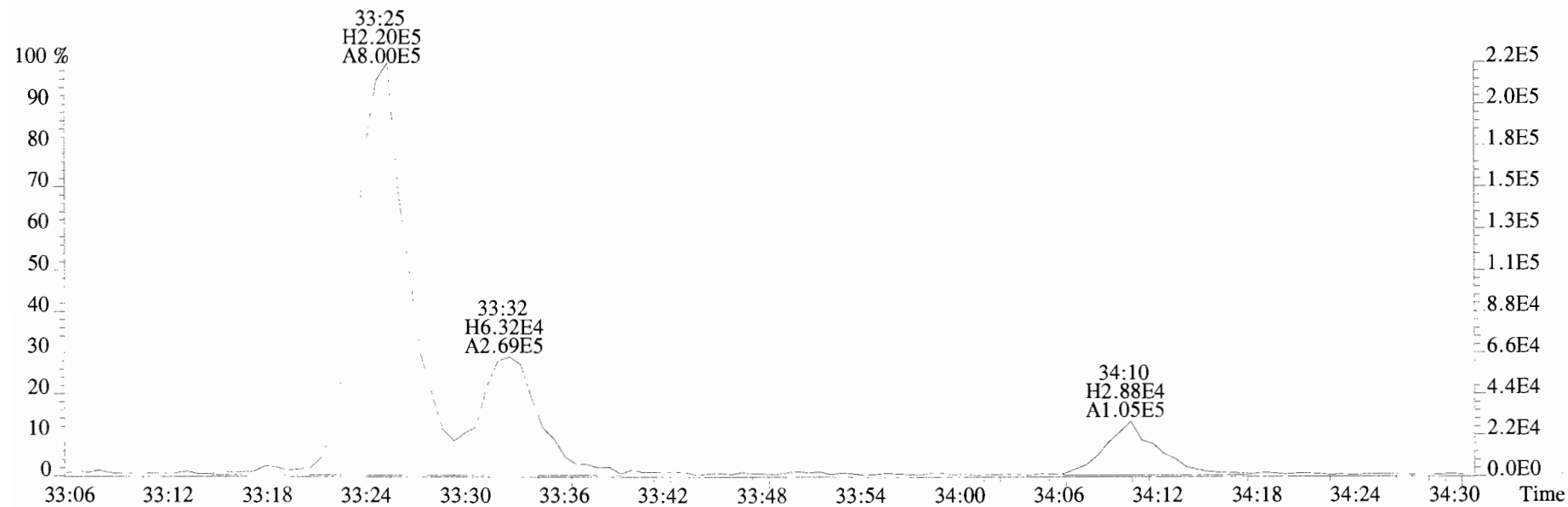
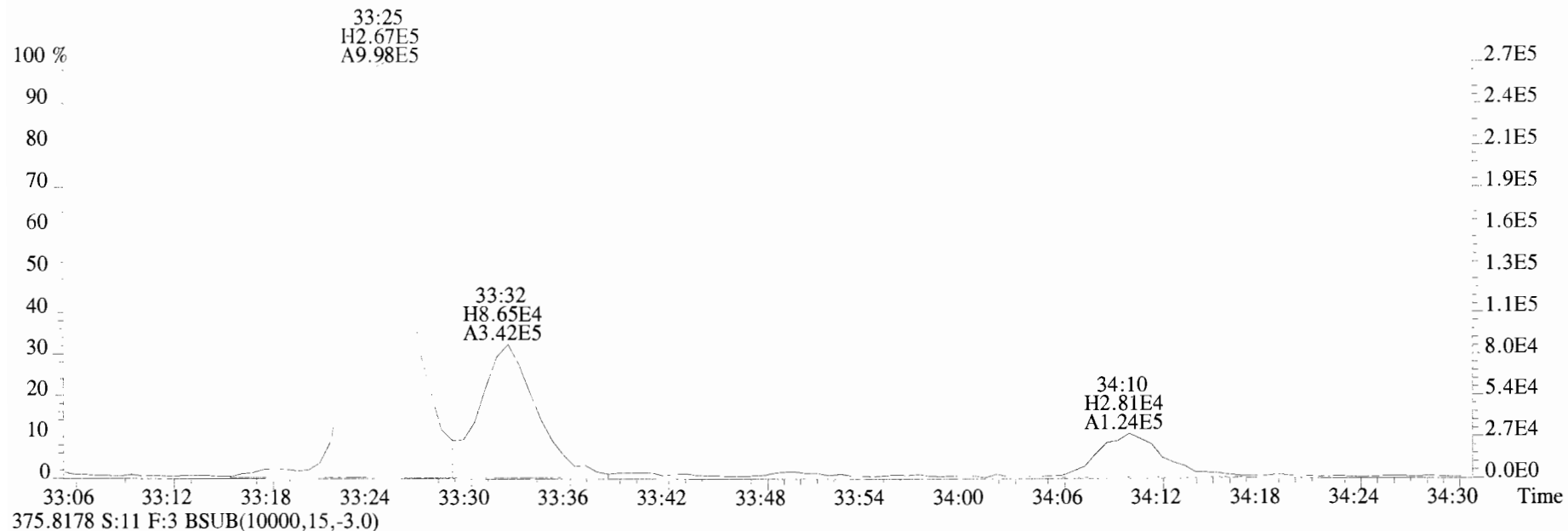
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0)



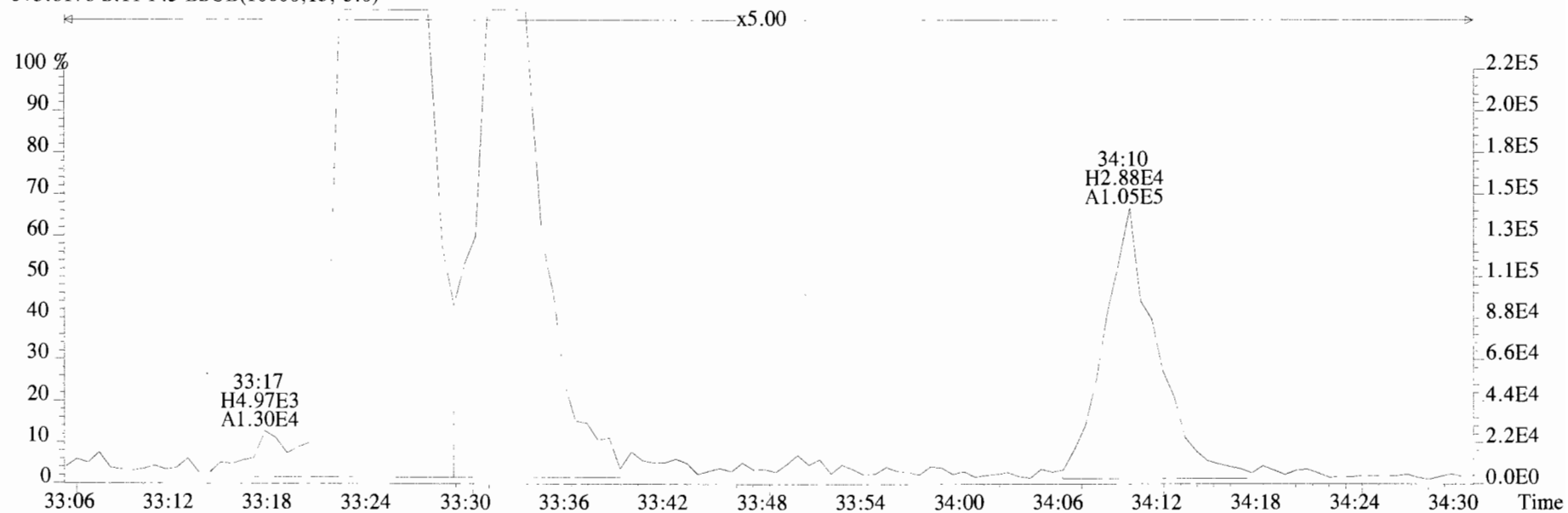
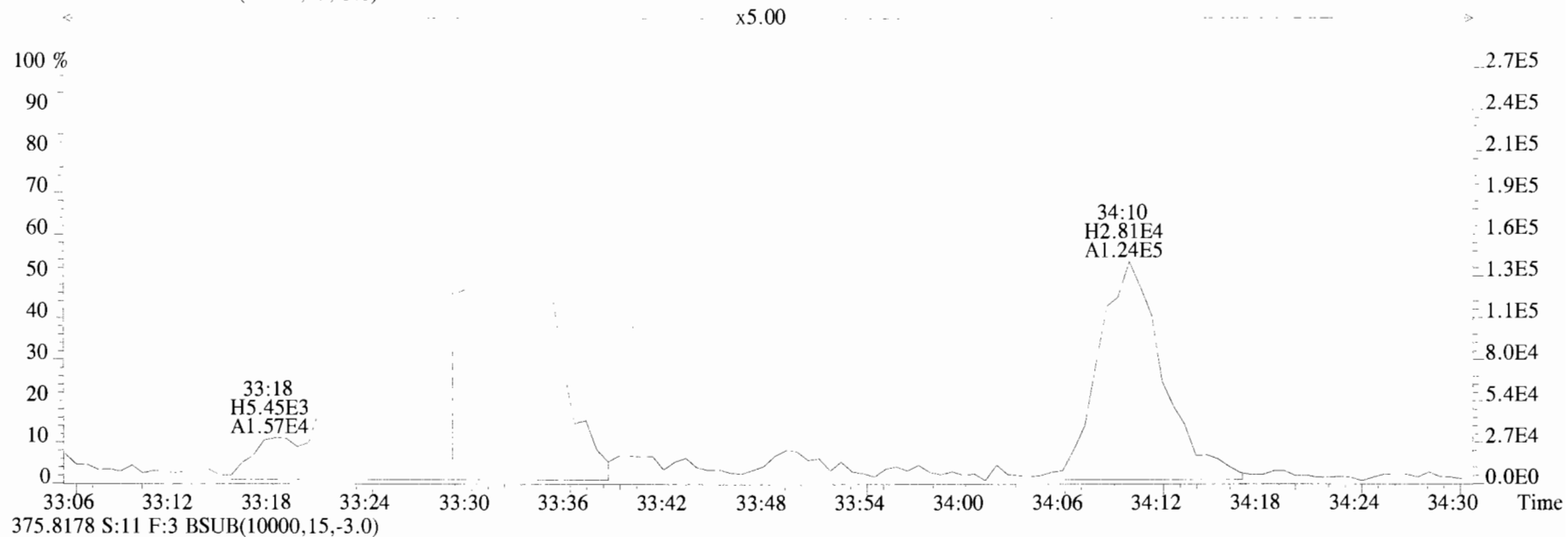
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0)



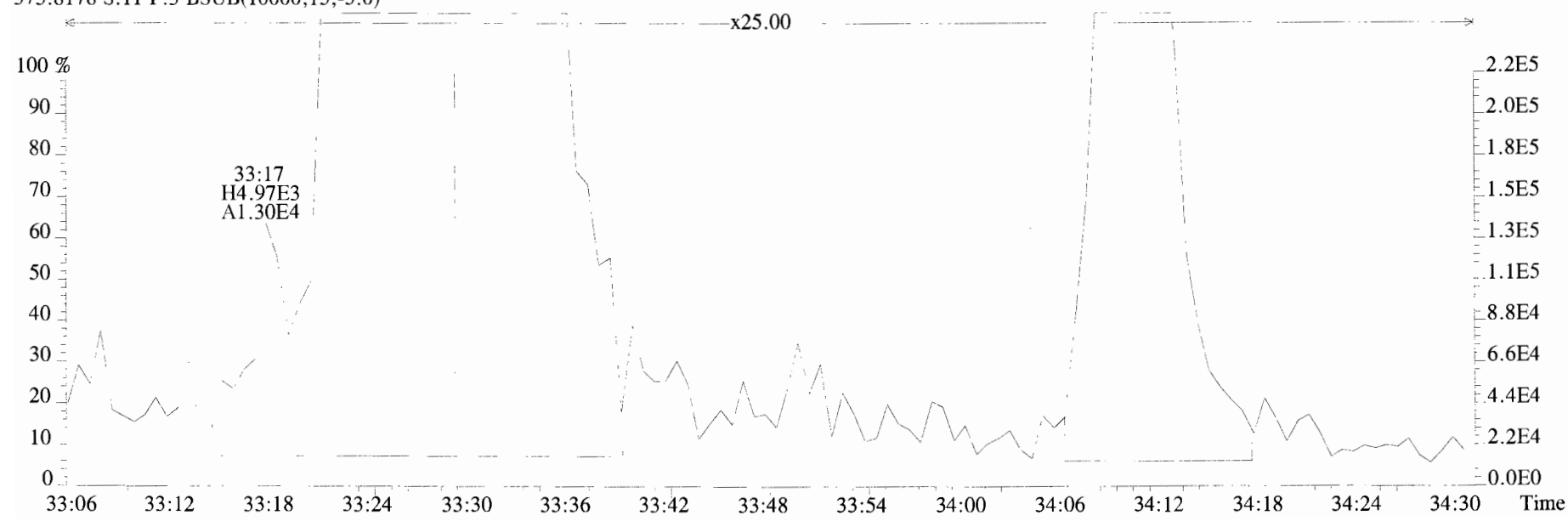
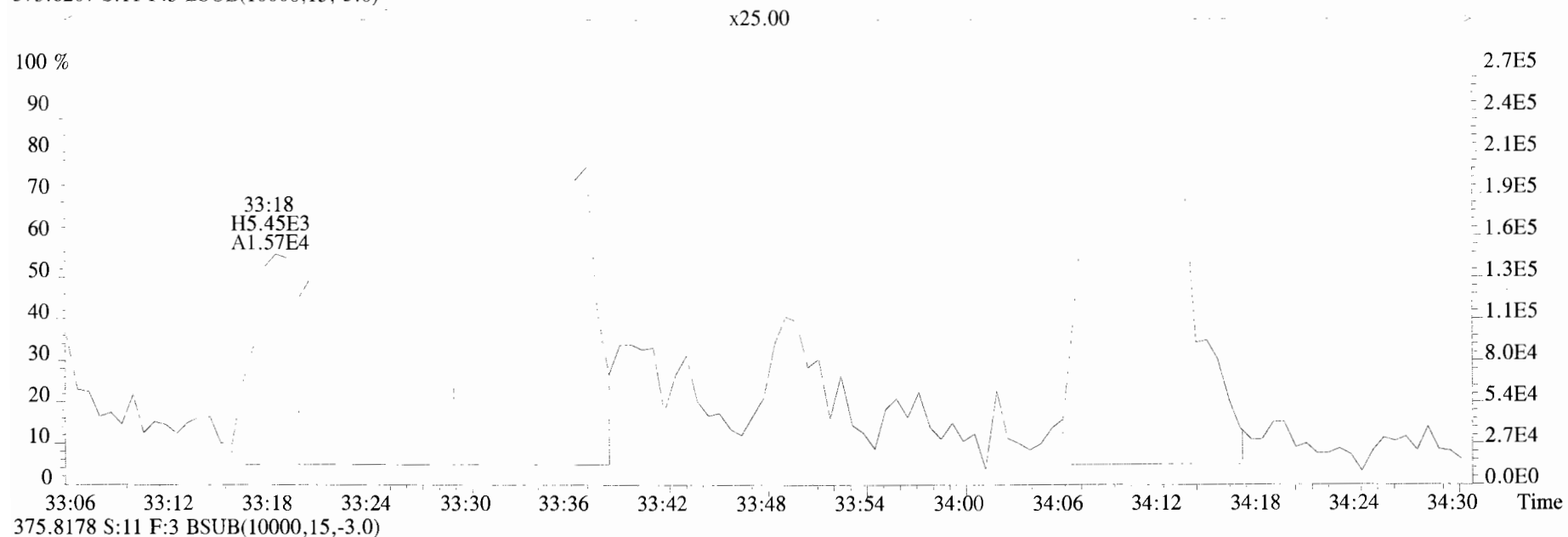
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0)



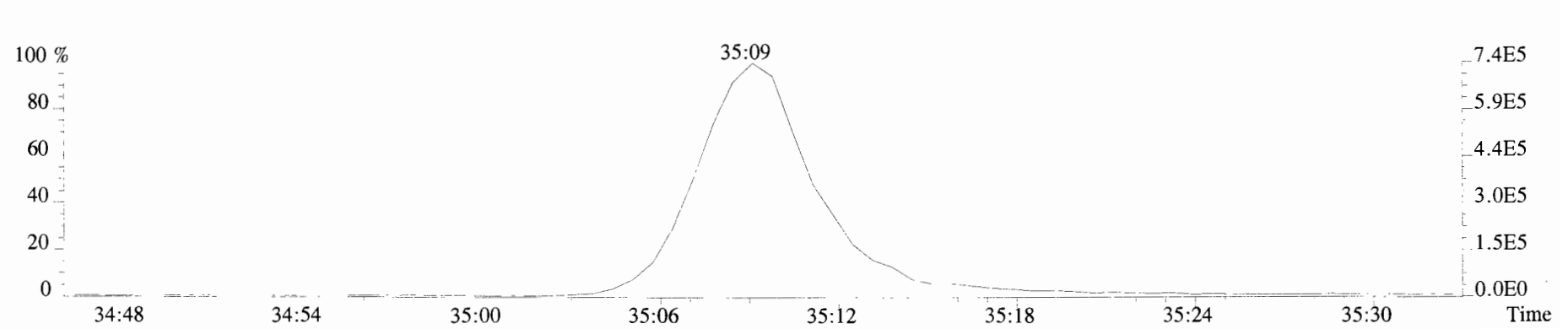
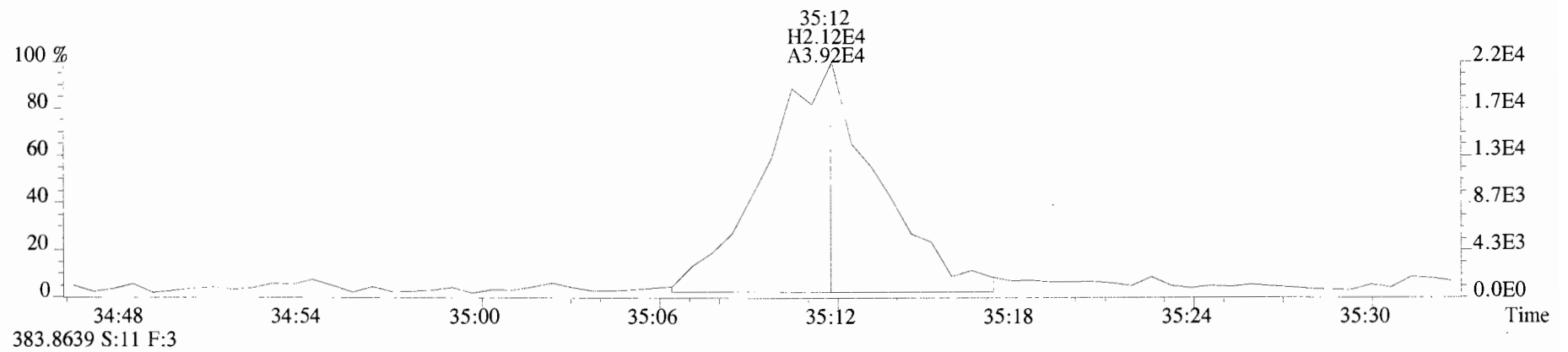
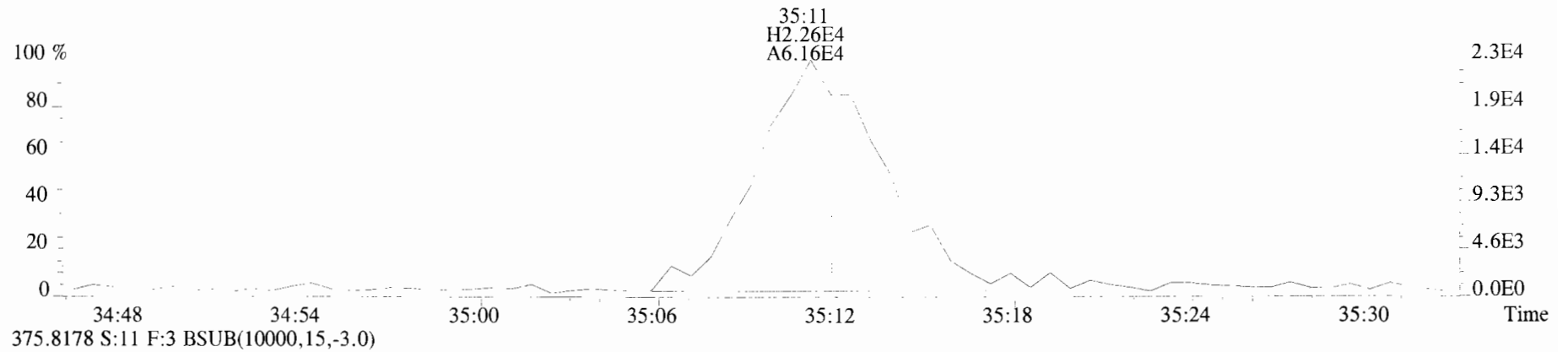
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0)



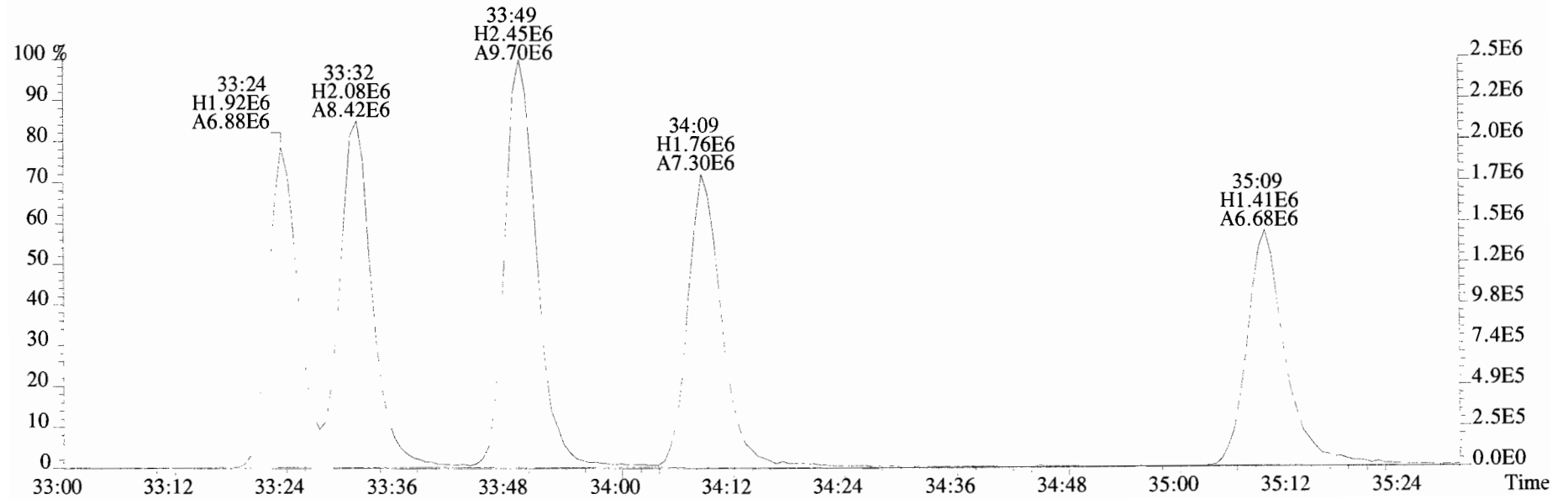
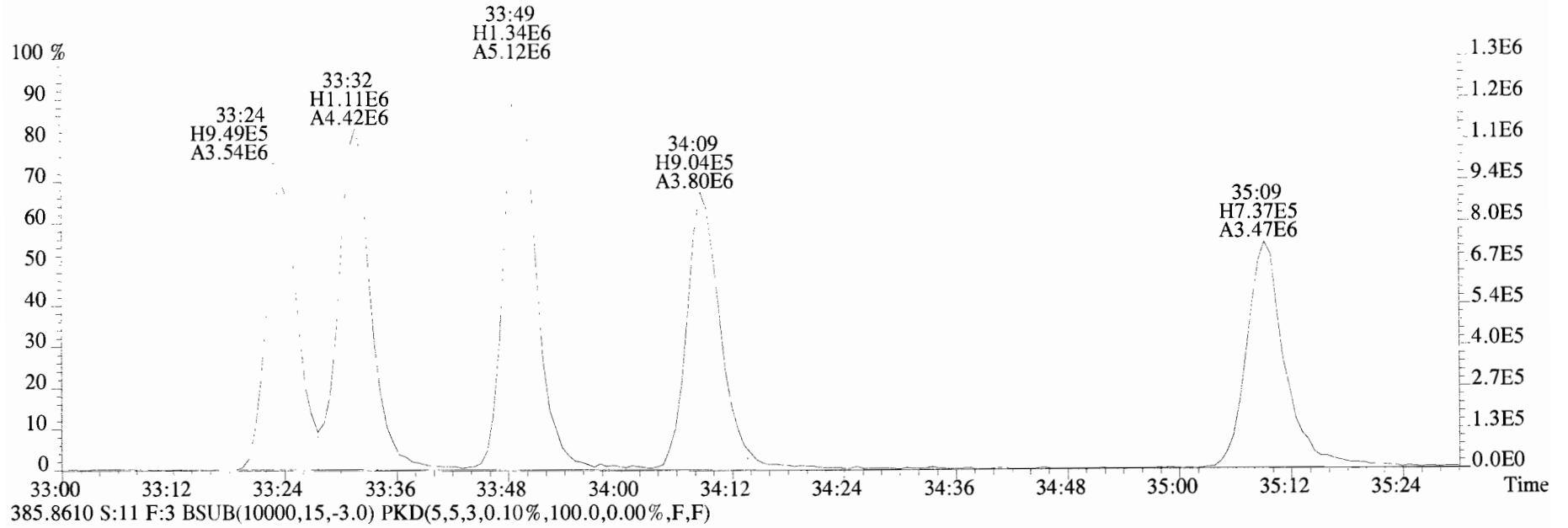
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0)



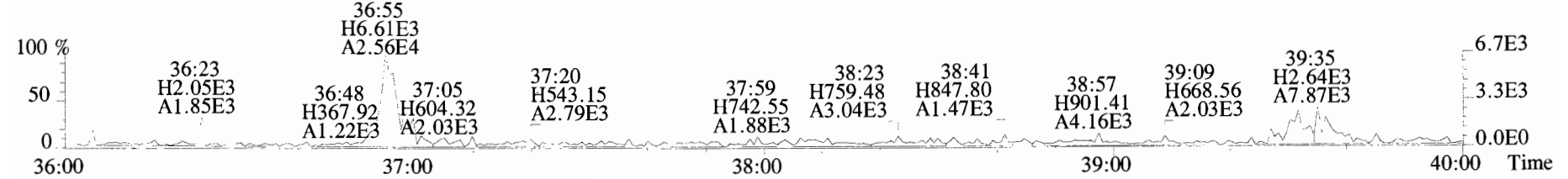
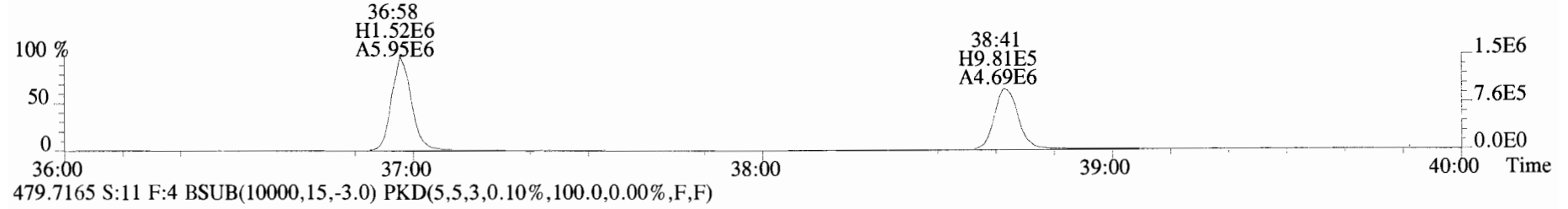
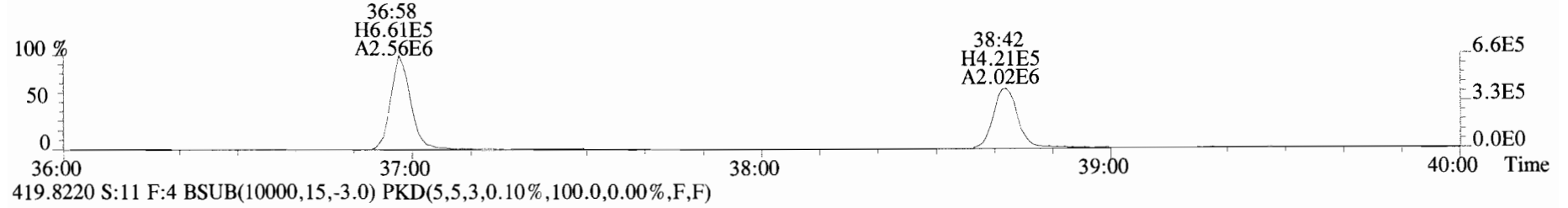
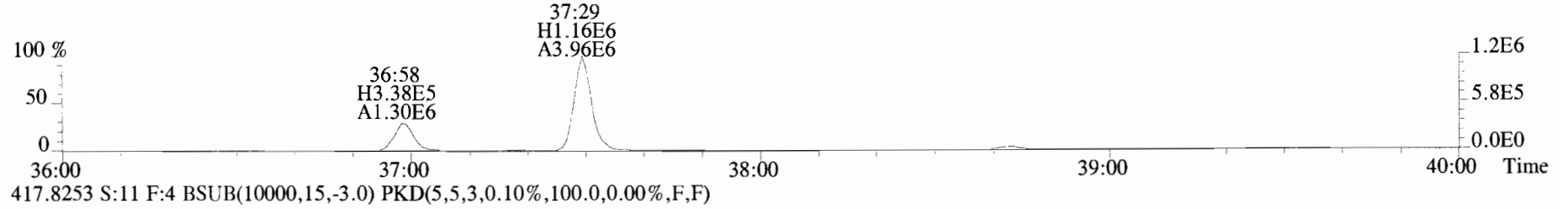
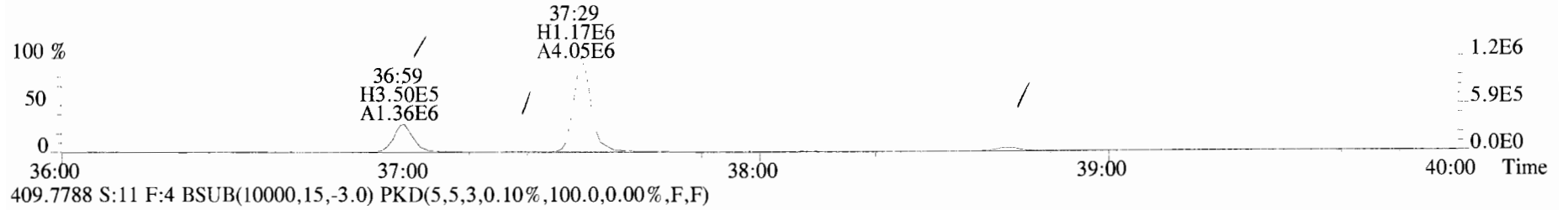
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
373.8207 S:11 F:3 BSUB(10000,15,-3.0)



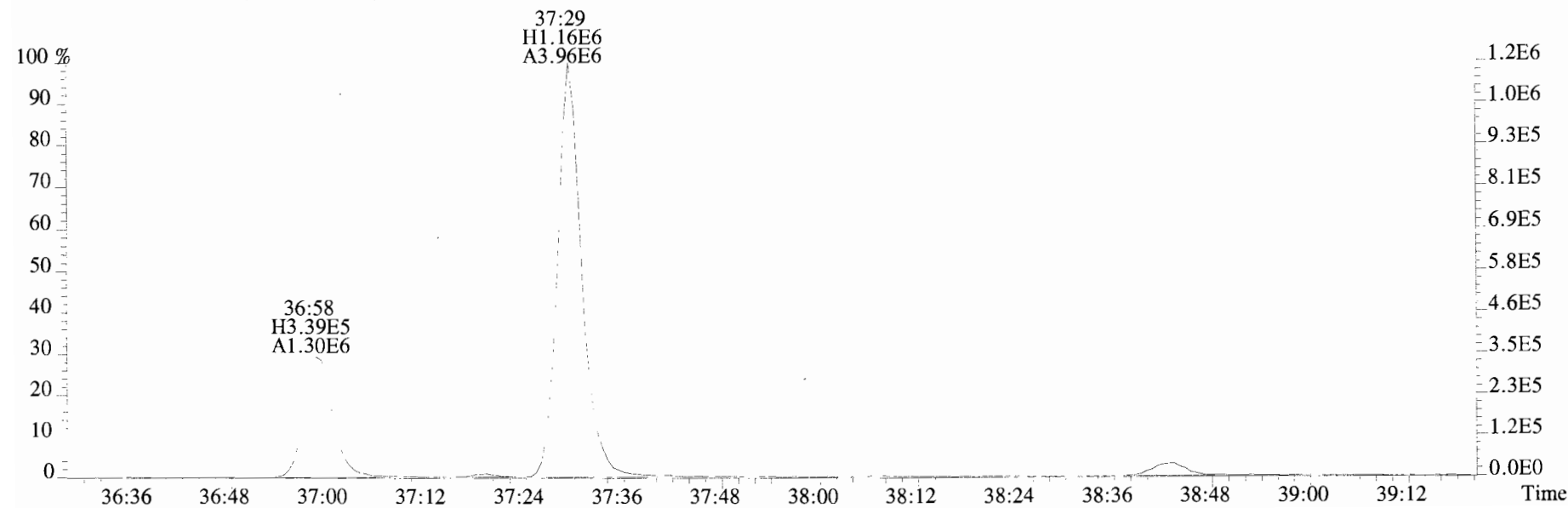
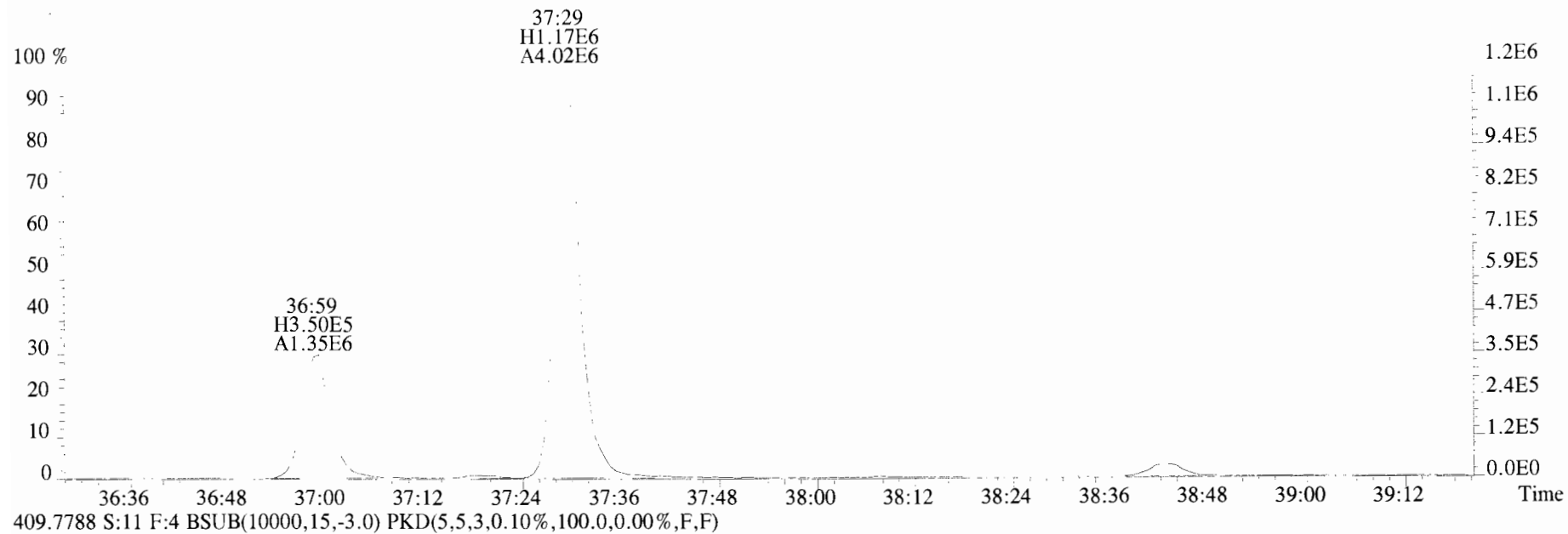
File:191011D2 #1-355 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
383.8639 S:11 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



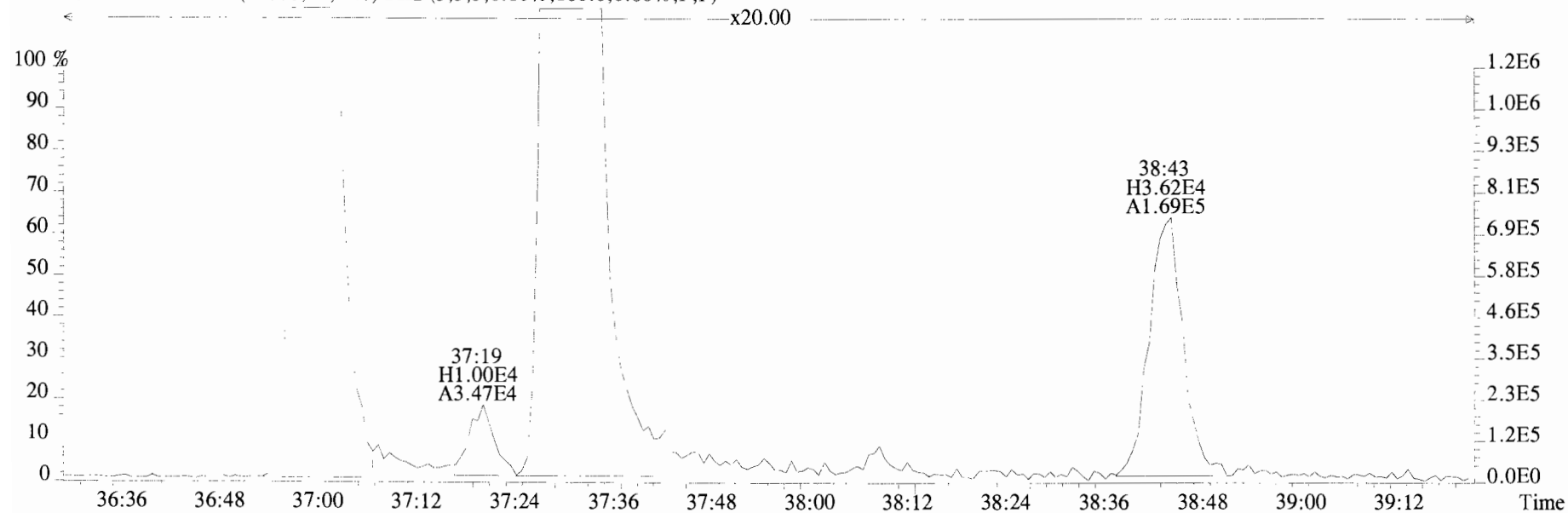
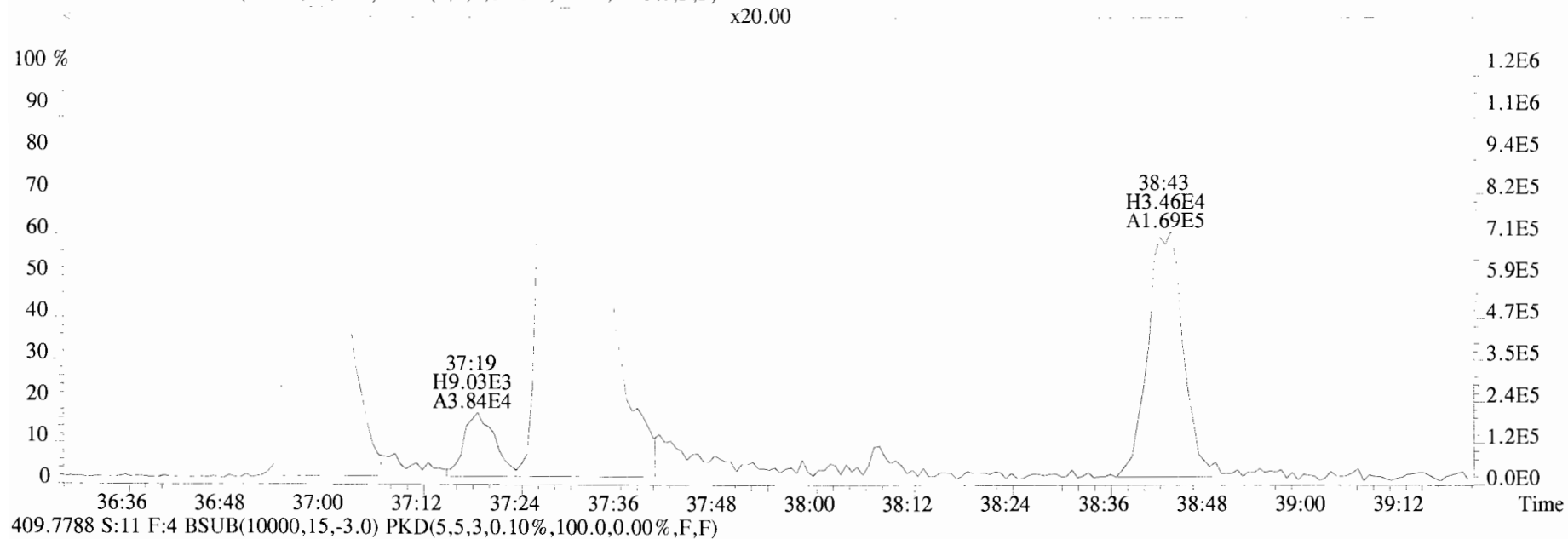
File:191011D2 #1-356 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



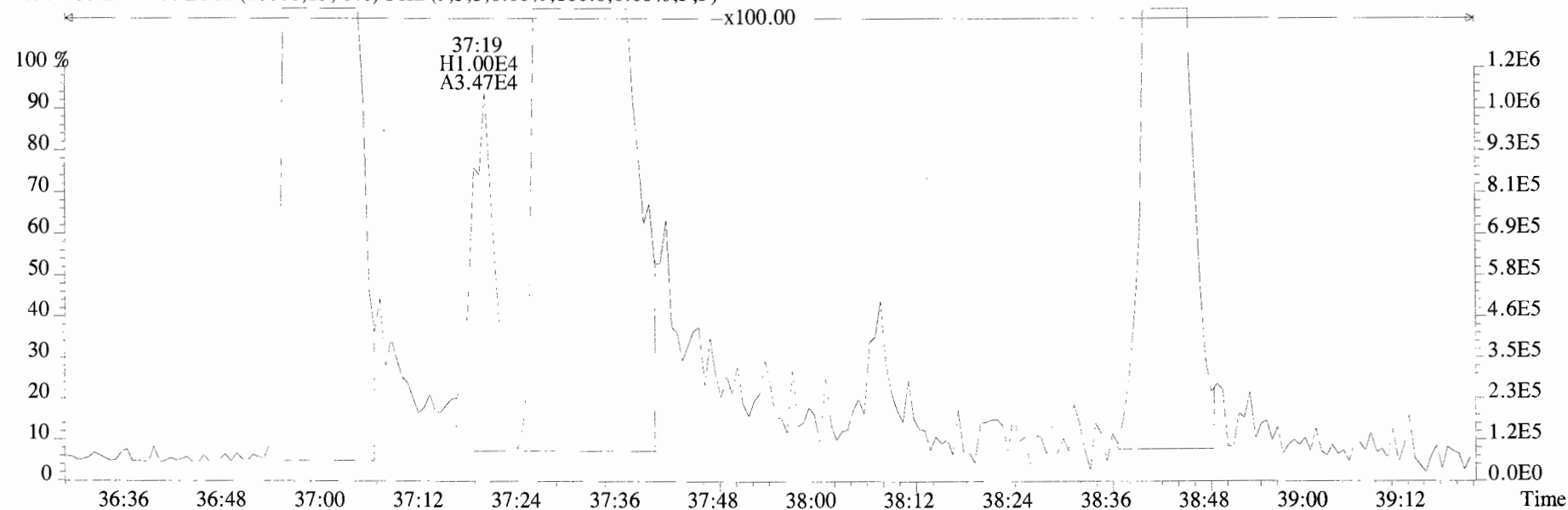
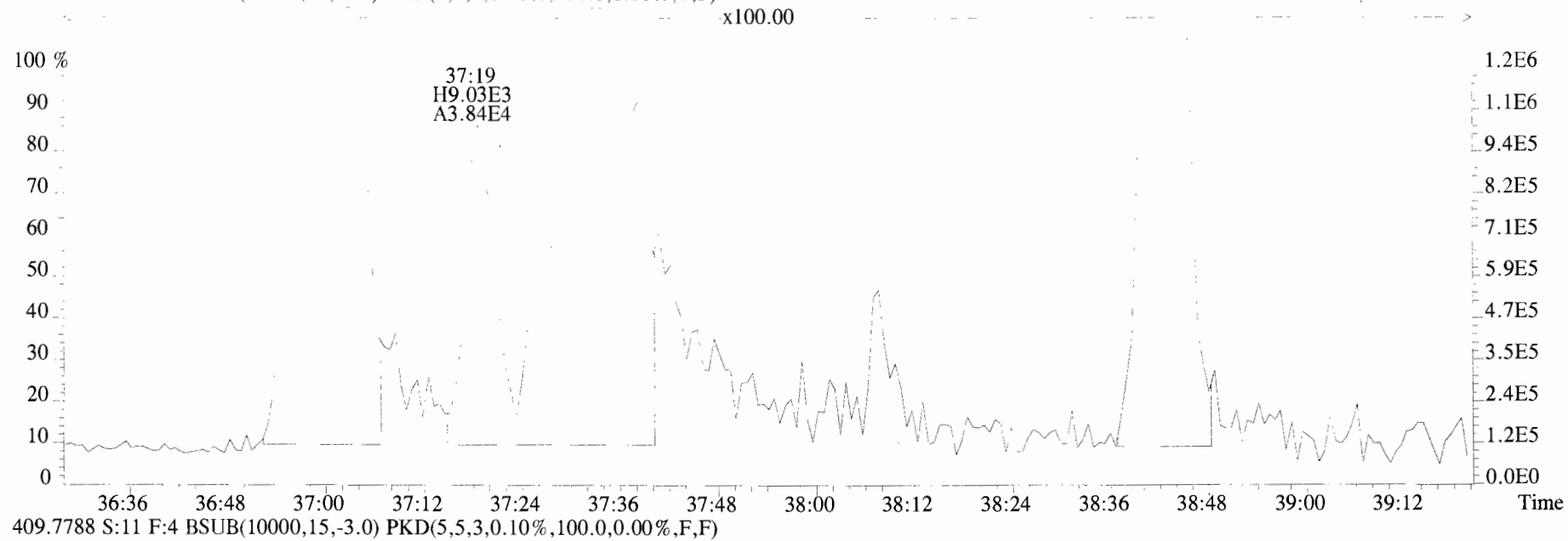
File:191011D2 #1-356 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



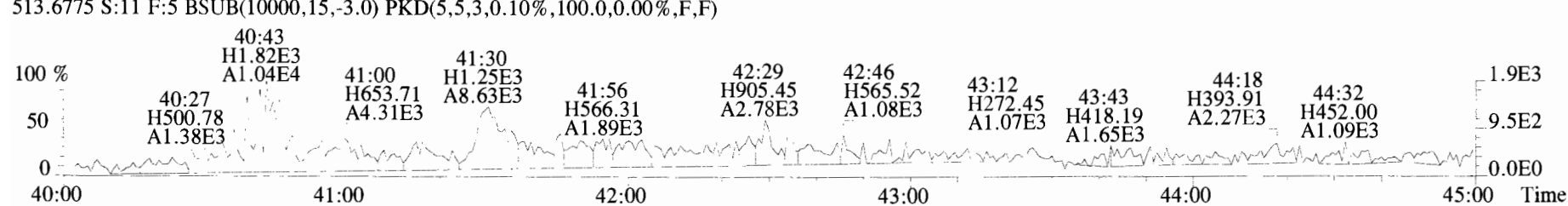
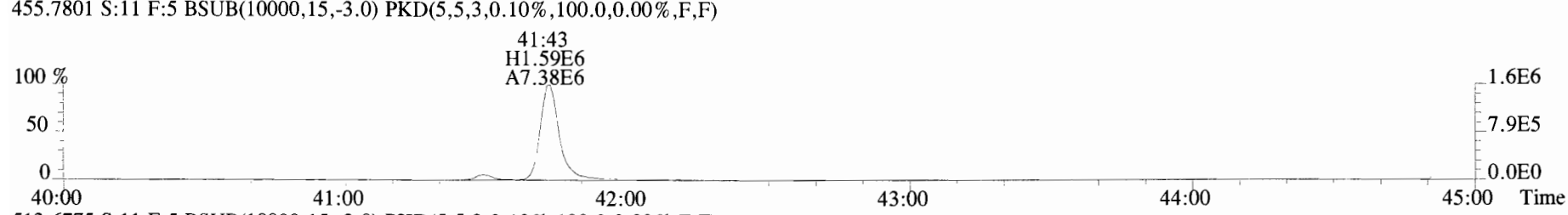
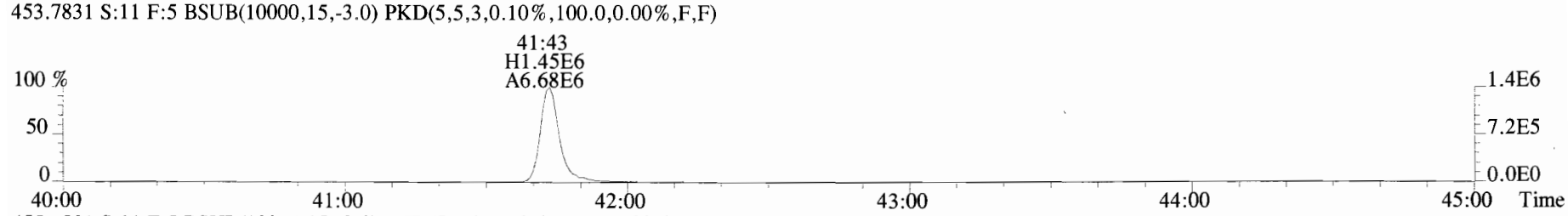
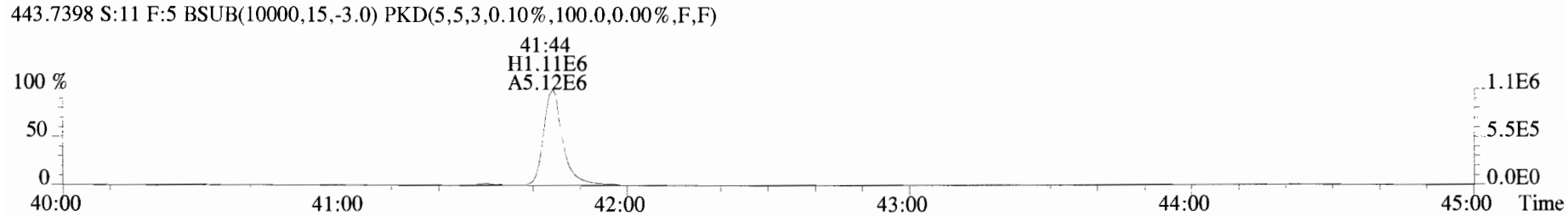
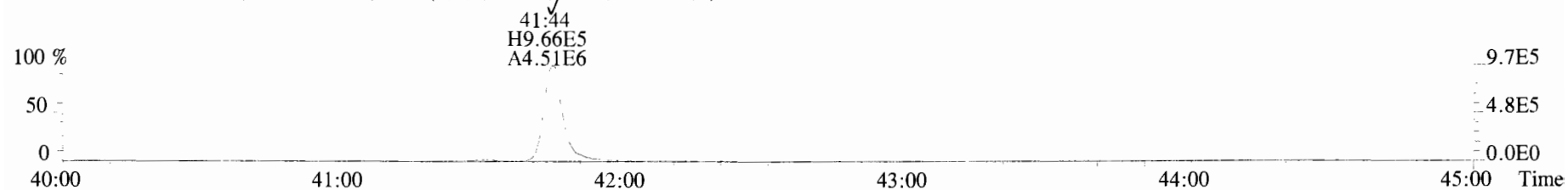
File:191011D2 #1-356 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
407.7818 S:11 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191011D2 #1-356 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text: Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
407.7818 S:11 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



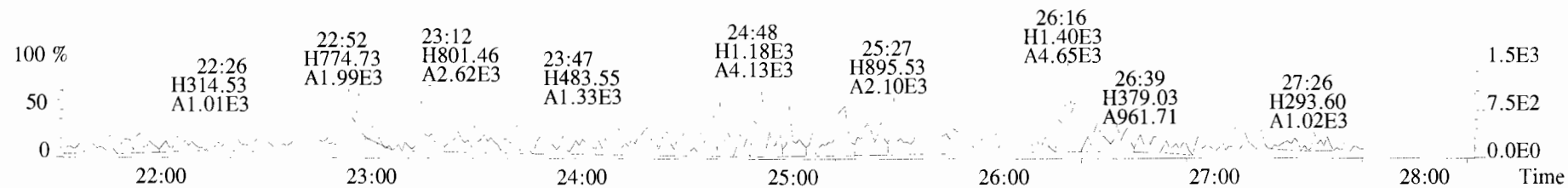
File:191011D2 #1-431 Acq:12-OCT-2019 09:14:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory VG7 Text:1903285-03 PDI-015SG-00-0.87-190924 16.03 Exp:OCDD_DB5
 441.7428 S:11 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



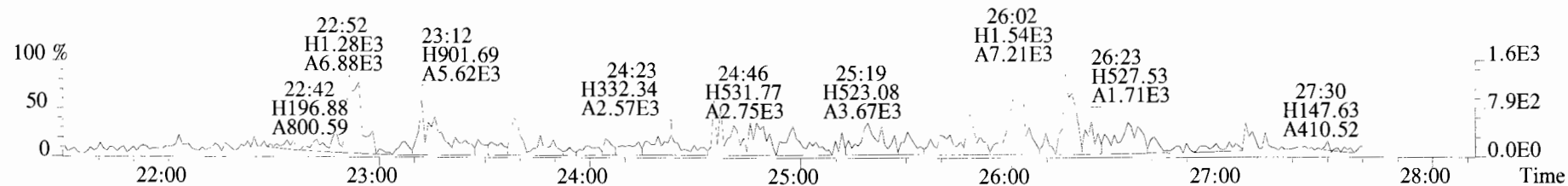
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	*	* n	0.91	Not F ₇	*			* 2.5	*	Total Tetra-Dioxins	*	*		*	*
1,2,3,7,8-PeCDD	*	* n	0.90	Not F ₇	*			* 2.5	*	Total Penta-Dioxins	*	*		*	*
1,2,3,4,7,8-HxCDD	*	* n	1.10	Not F ₇	*			* 2.5	*	Total Hexa-Dioxins	*	*		*	*
1,2,3,6,7,8-HxCDD	*	* n	0.94	Not F ₇	*			* 2.5	*	Total Hepta-Dioxins	*	*		*	*
1,2,3,7,8,9-HxCDD	*	* n	0.96	Not F ₇	*			* 2.5	*	Total Tetra-Furans	*	*		*	*
1,2,3,4,6,7,8-HpCDD	*	* n	0.98	Not F ₇	*			* 2.5	*	Total Penta-Furans	0.0000	0.0000		*	*
OCDD	2.14e+07	0.91 y	0.96	41:19	7214.0			* 2.5	*	Total Hexa-Furans	*	*		*	*
2,3,7,8-TCDF	*	* n	0.95	Not F ₇	*			* 2.5	*	Total Hepta-Furans	*	*		*	*
1,2,3,7,8-PeCDF	*	* n	0.96	Not F ₇	*			* 2.5	*						
2,3,4,7,8-PeCDF	*	* n	1.01	Not F ₇	*			* 2.5	*						
1,2,3,4,7,8-HxCDF	*	* n	1.18	Not F ₇	*			* 2.5	*						
1,2,3,6,7,8-HxCDF	*	* n	1.07	Not F ₇	*			* 2.5	*						
2,3,4,6,7,8-HxCDF	*	* n	1.11	Not F ₇	*			* 2.5	*						
1,2,3,7,8,9-HxCDF	*	* n	1.06	Not F ₇	*			* 2.5	*						
1,2,3,4,6,7,8-HpCDF	*	* n	1.13	Not F ₇	*			* 2.5	*						
1,2,3,4,7,8,9-HpCDF	*	* n	1.28	Not F ₇	*			* 2.5	*						
OCDF	*	* n	0.95	Not F ₇	*			* 2.5	*						
										Rec	Qual				
IS	13C-2,3,7,8-TCDD	1.18e+06	0.73 y	1.10	26:15	173.08				87.0					
IS	13C-1,2,3,7,8-PeCDD	9.97e+05	0.65 y	0.88	30:46	182.24				91.6					
IS	13C-1,2,3,4,7,8-HxCDD	7.70e+05	1.41 y	0.64	34:06	188.27				94.6					
IS	13C-1,2,3,6,7,8-HxCDD	8.66e+05	1.30 y	0.86	34:12	158.98				79.9					
IS	13C-1,2,3,7,8,9-HxCDD	8.55e+05	1.26 y	0.81	34:30	166.49				83.7					
IS	13C-1,2,3,4,6,7,8-HpCDD	7.22e+05	1.01 y	0.65	37:58	173.38				87.2					
IS	13C-OCDD	1.23e+06	0.92 y	0.58	41:18	333.17				83.7					
IS	13C-2,3,7,8-TCDF	1.60e+06	0.84 y	1.03	25:28	174.72				87.8					
IS	13C-1,2,3,7,8-PeCDF	1.37e+06	1.67 y	0.85	29:36	181.28				91.1					
IS	13C-2,3,4,7,8-PeCDF	1.44e+06	1.65 y	0.85	30:29	192.43				96.7					
IS	13C-1,2,3,4,7,8-HxCDF	9.09e+05	0.47 y	0.83	33:12	171.53				86.2					
IS	13C-1,2,3,6,7,8-HxCDF	1.09e+06	0.54 y	1.03	33:19	164.92				82.9					
IS	13C-2,3,4,6,7,8-HxCDF	9.39e+05	0.52 y	0.95	33:55	154.70				77.8					
IS	13C-1,2,3,7,8,9-HxCDF	9.14e+05	0.52 y	0.83	34:53	173.32				87.1					
IS	13C-1,2,3,4,6,7,8-HpCDF	8.06e+05	0.42 y	0.76	36:44	167.10				84.0					
IS	13C-1,2,3,4,7,8,9-HpCDF	6.25e+05	0.44 y	0.58	38:31	168.93				84.9					
IS	13C-OCDF	1.46e+06	0.94 y	0.69	41:32	332.80				83.6					
C/Up	37C1-2,3,7,8-TCDD	4.97e+05		1.20	26:16	66.914				84.1					
RS/RT	13C-1,2,3,4-TCDD	1.23e+06	0.80 y	1.00	25:42	198.95									
RS	13C-1,2,3,4-TCDF	1.76e+06	0.81 y	1.00	24:16	198.95									
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.27e+06	0.52 y	1.00	33:37	198.95									

Integrations by DB Reviewed by HL CT
 Analyst: DB Analyst: HL
 Date: 10/30/19 Date: 10/31/19 10/31/19

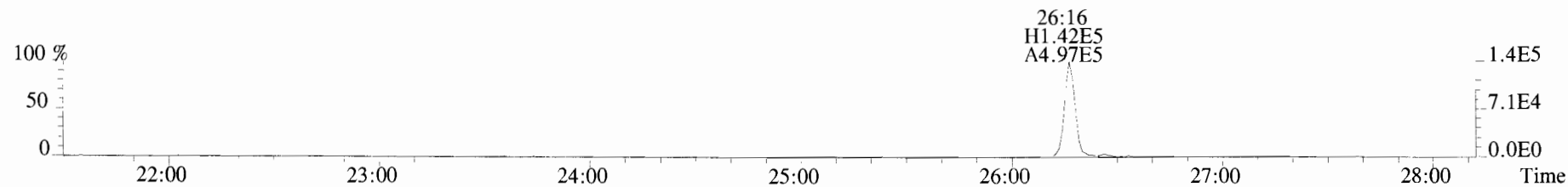
File:191029D1 #1-492 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



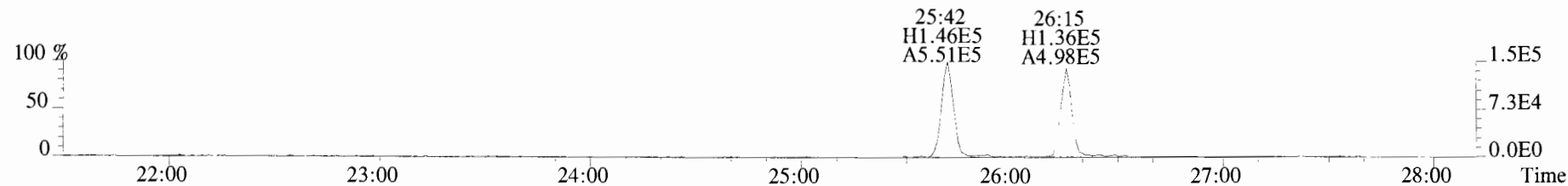
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



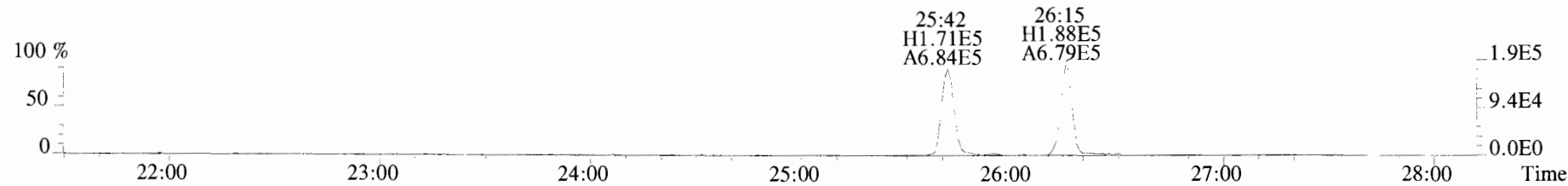
327.8847 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



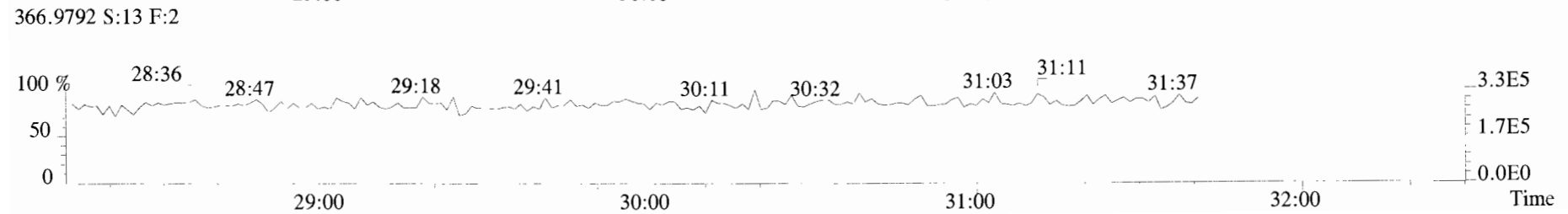
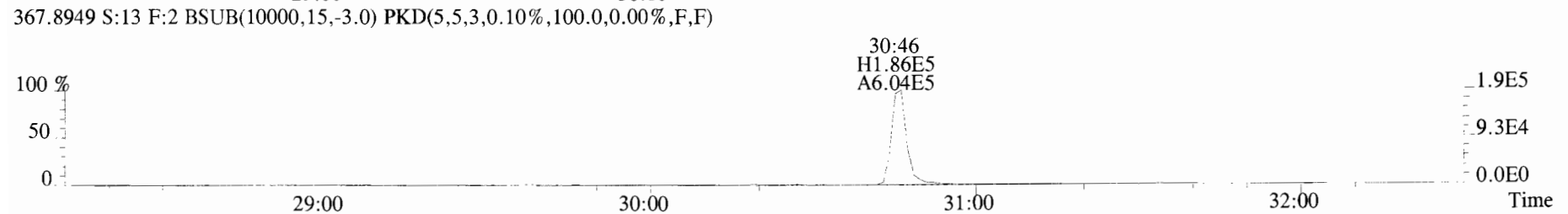
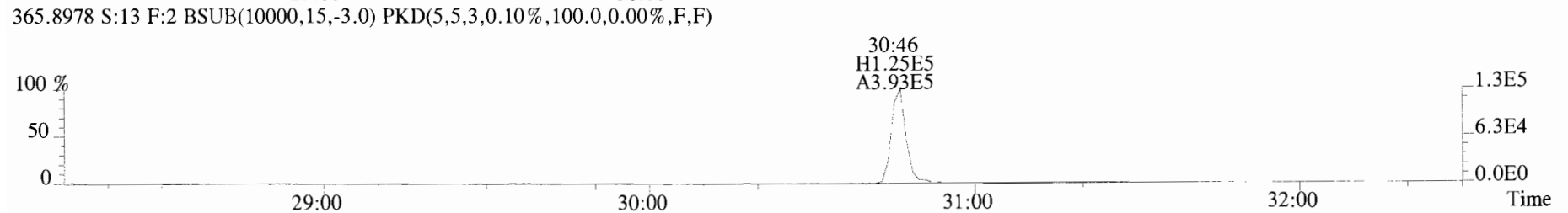
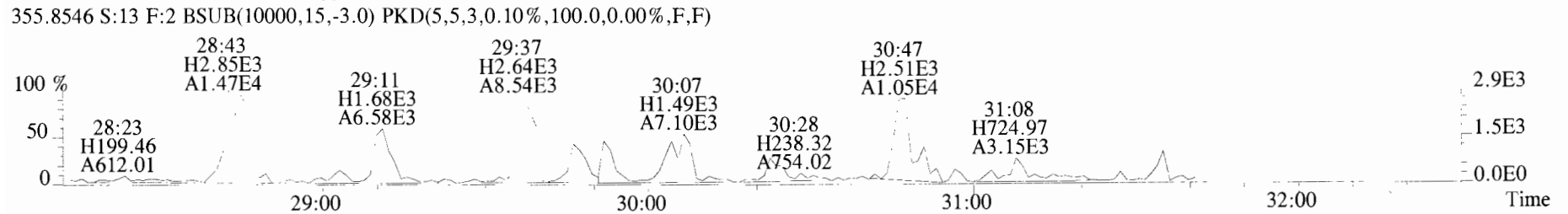
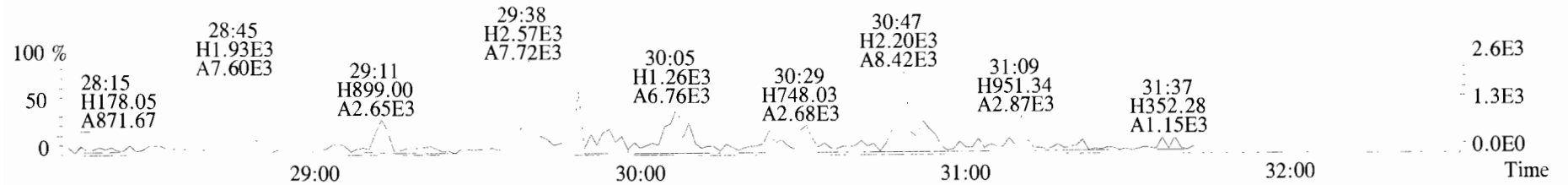
331.9368 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



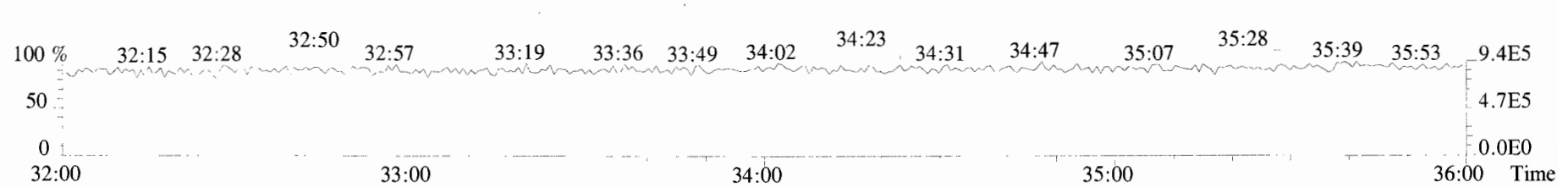
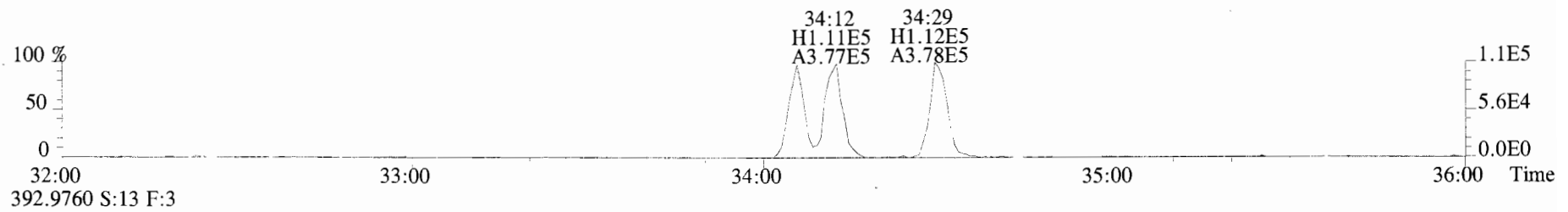
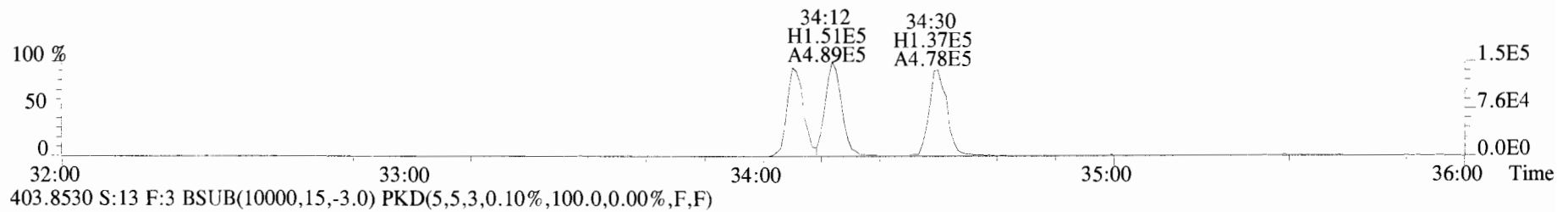
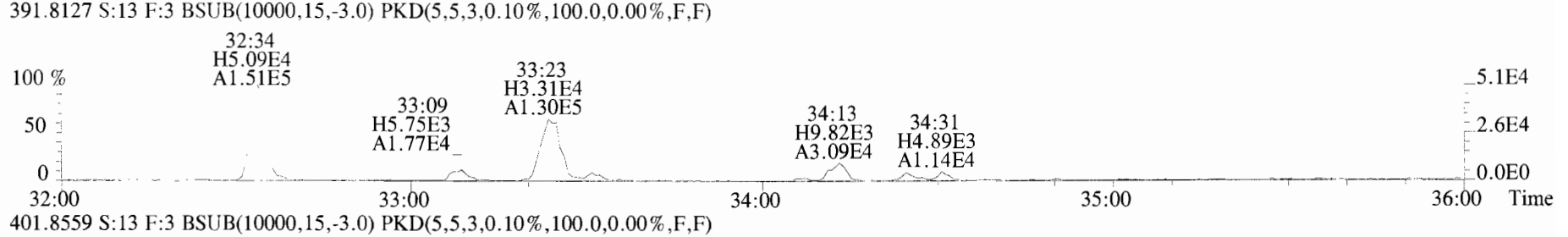
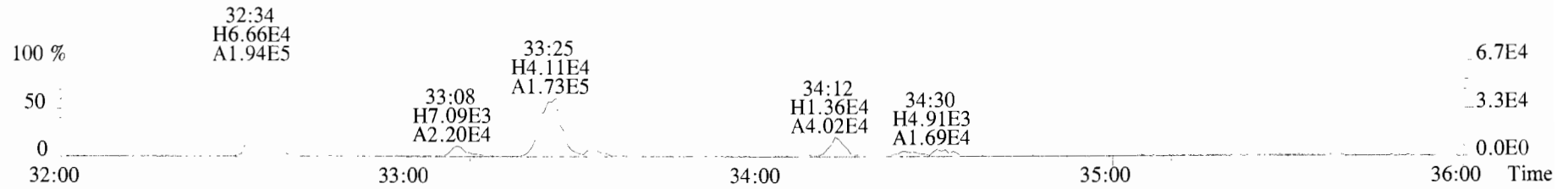
333.9339 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



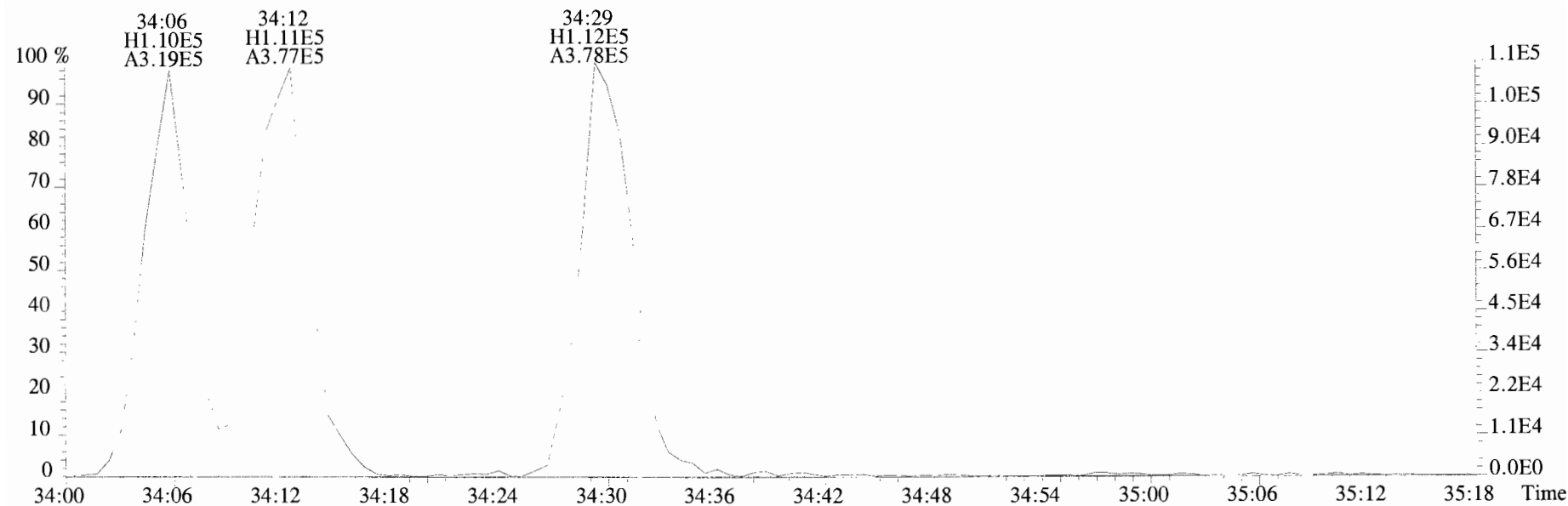
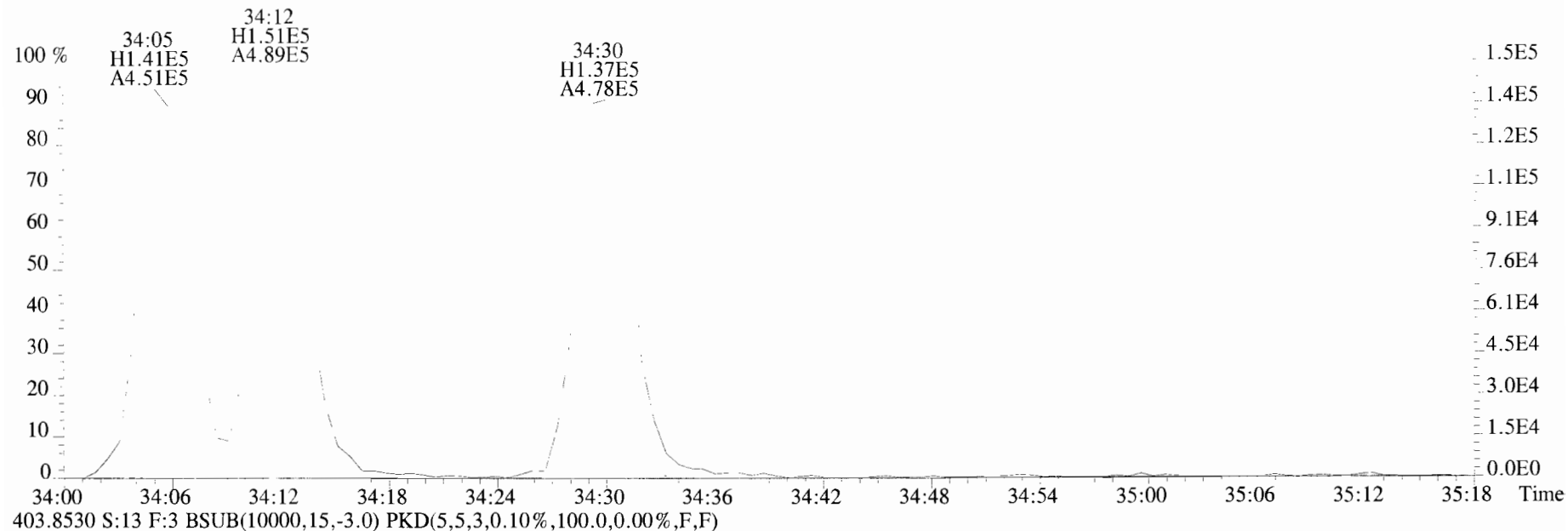
File:191029D1 #1-211 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata Analytical Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_D£
353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



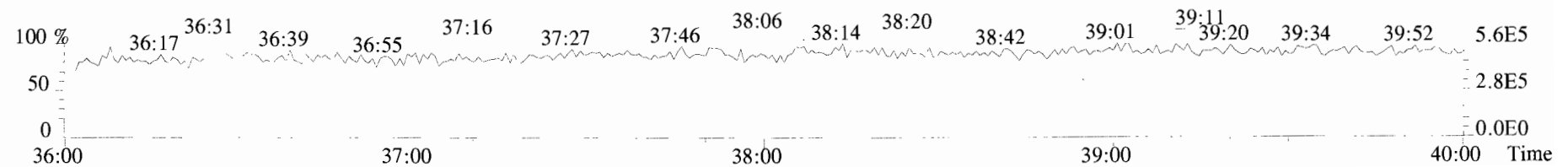
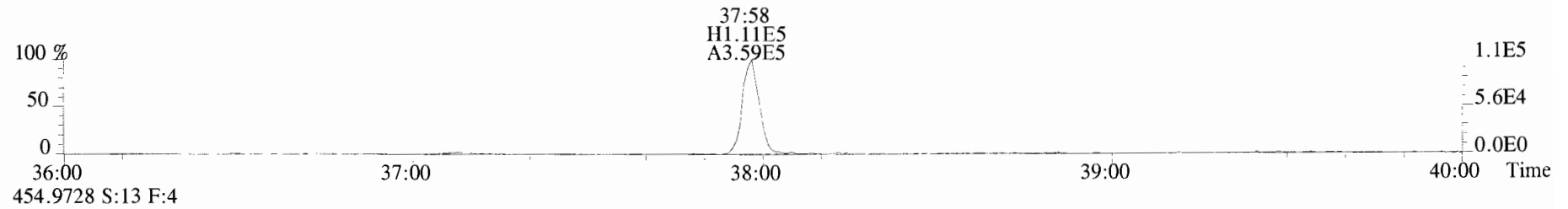
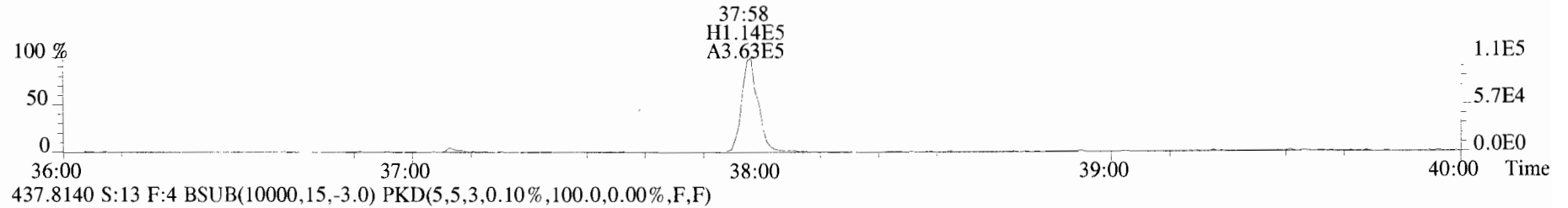
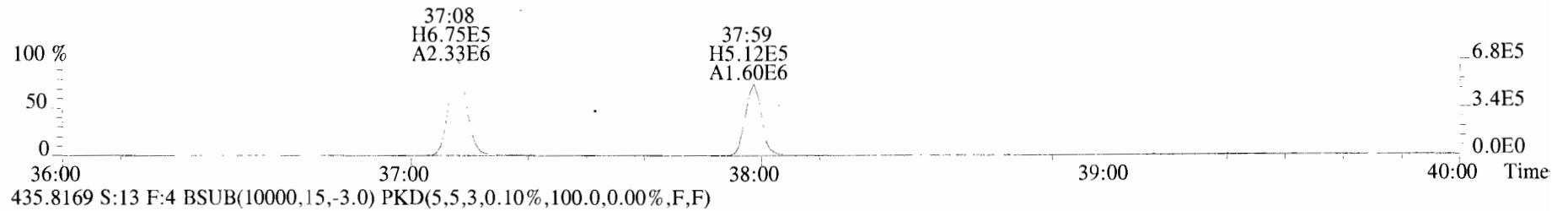
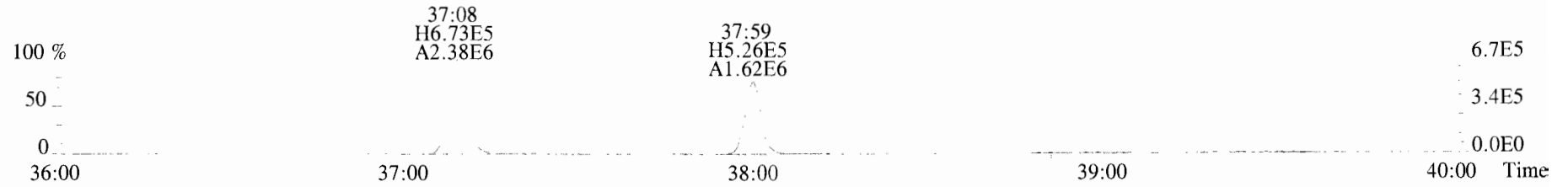
File:191029D1 #1-384 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata Analytical Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_D£
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



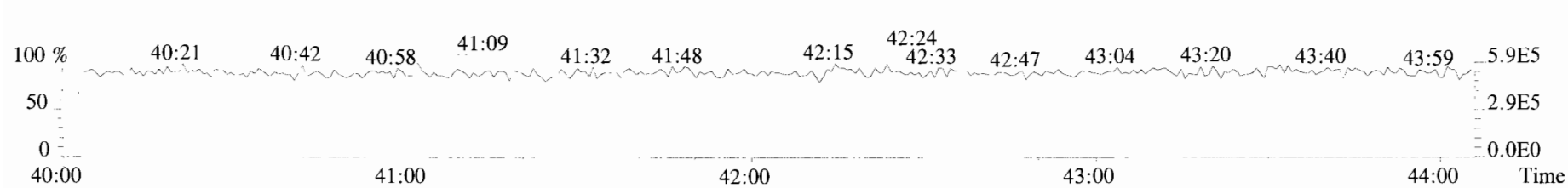
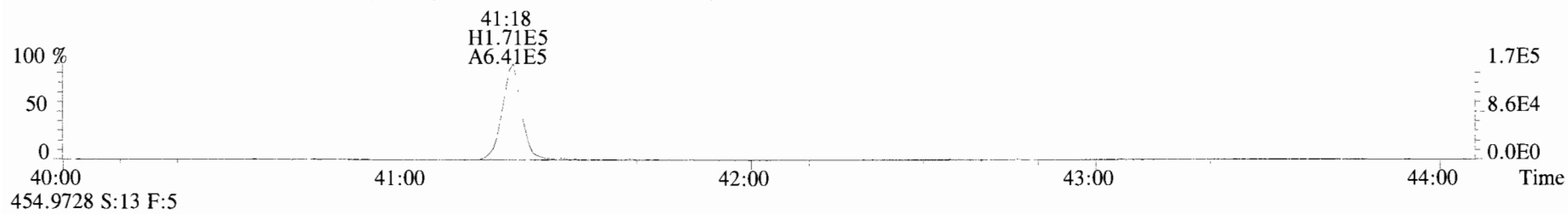
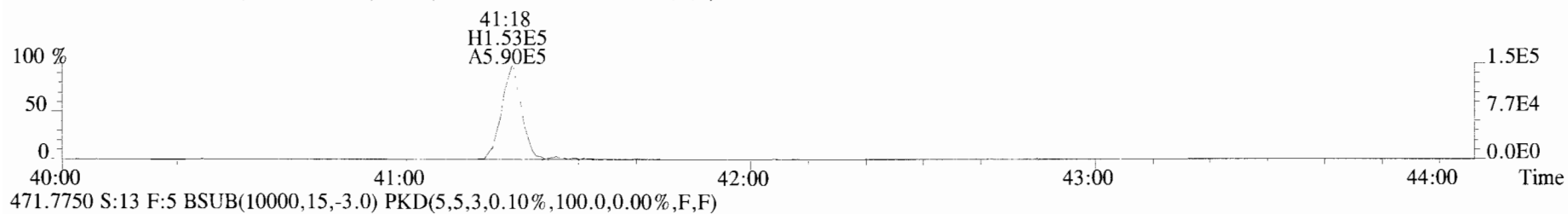
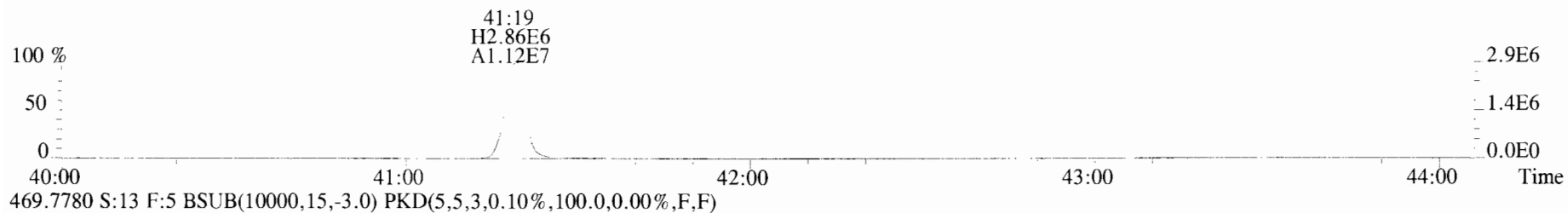
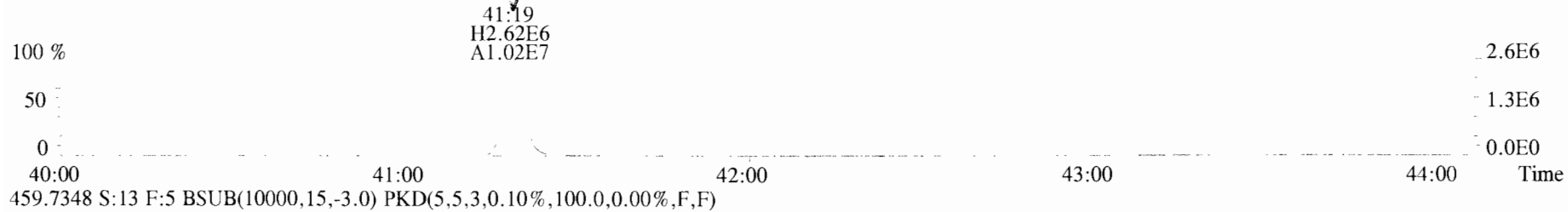
File:191029D1 #1-384 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata Analytical Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



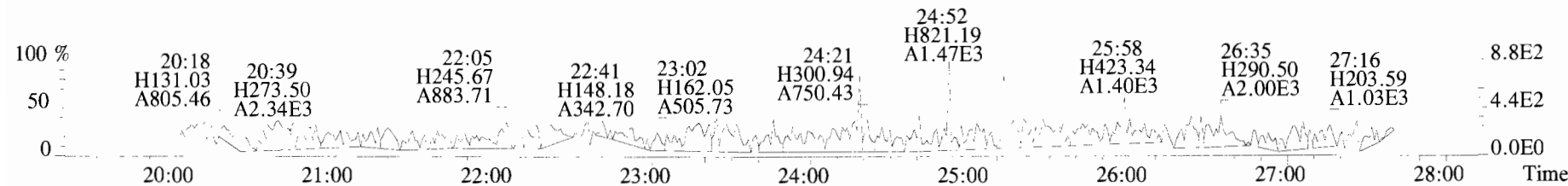
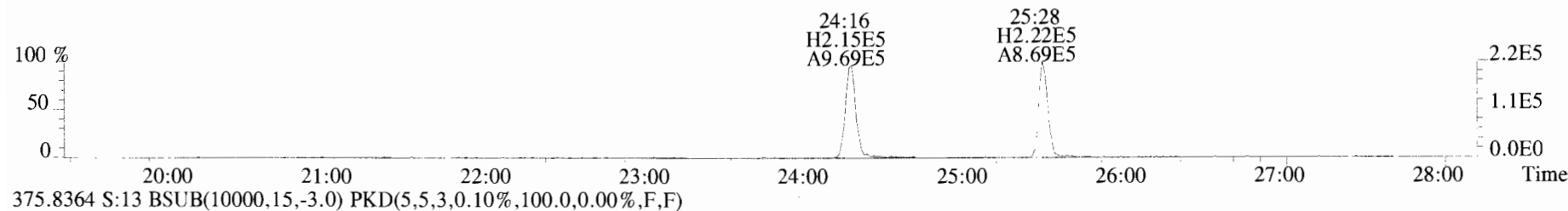
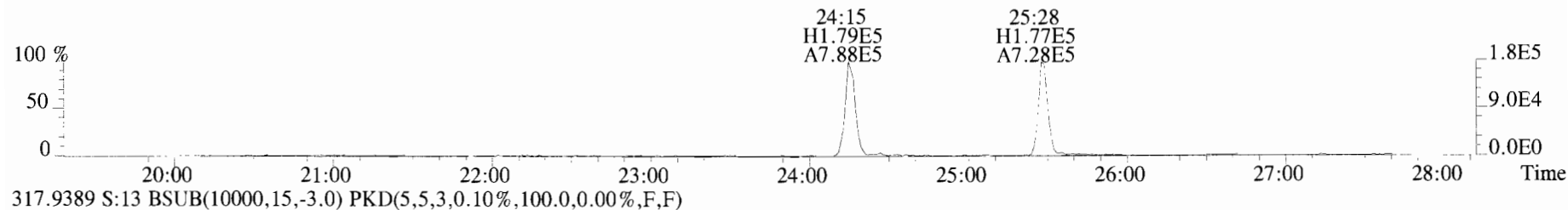
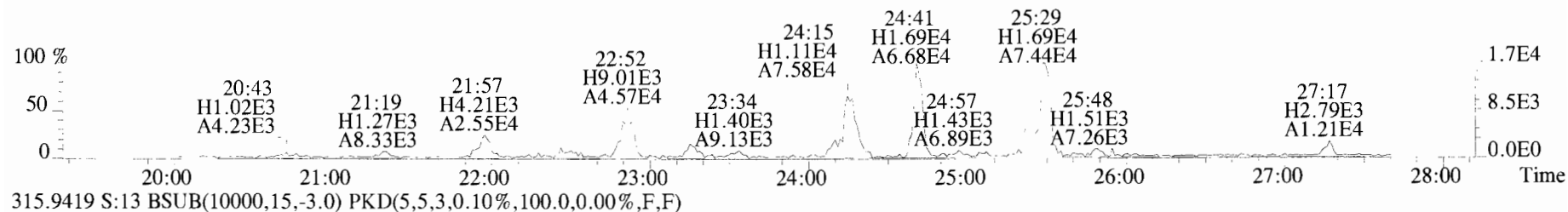
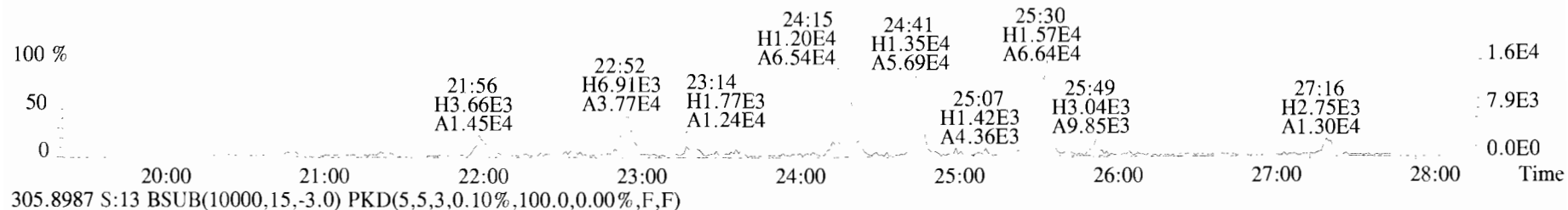
File:191029D1 #1-356 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_D£
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



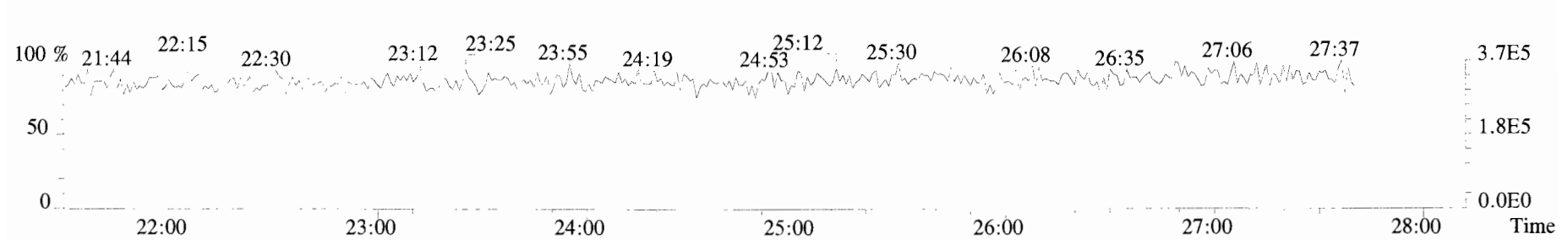
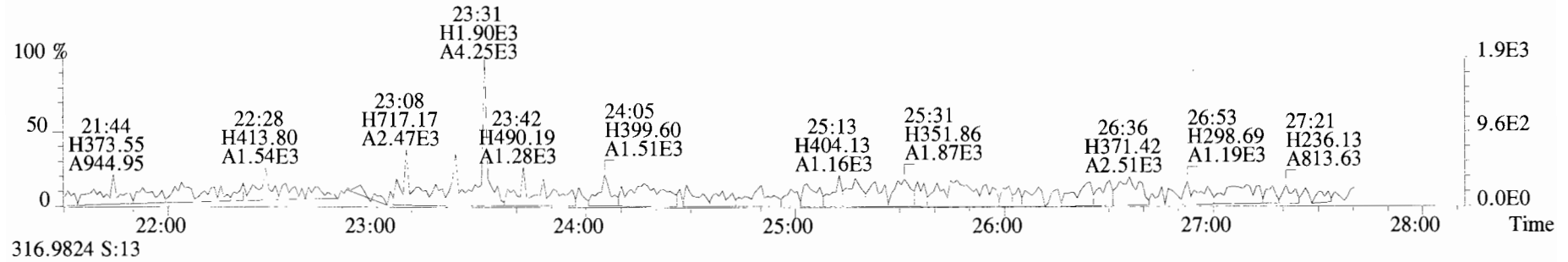
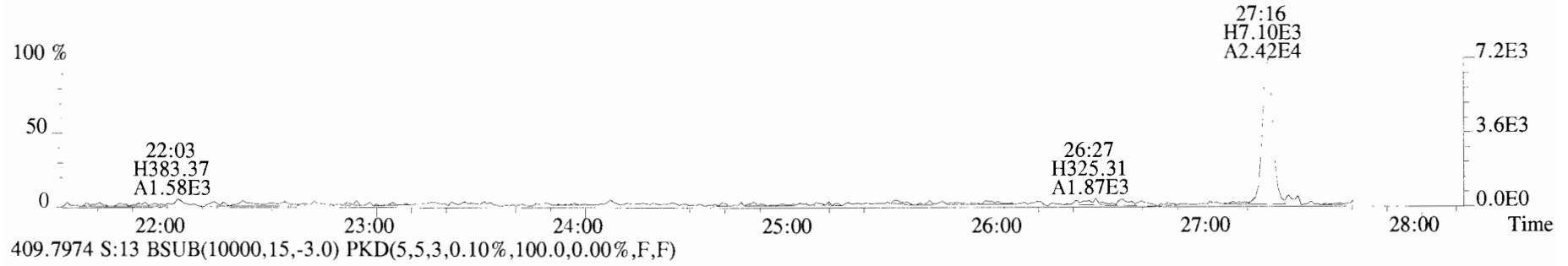
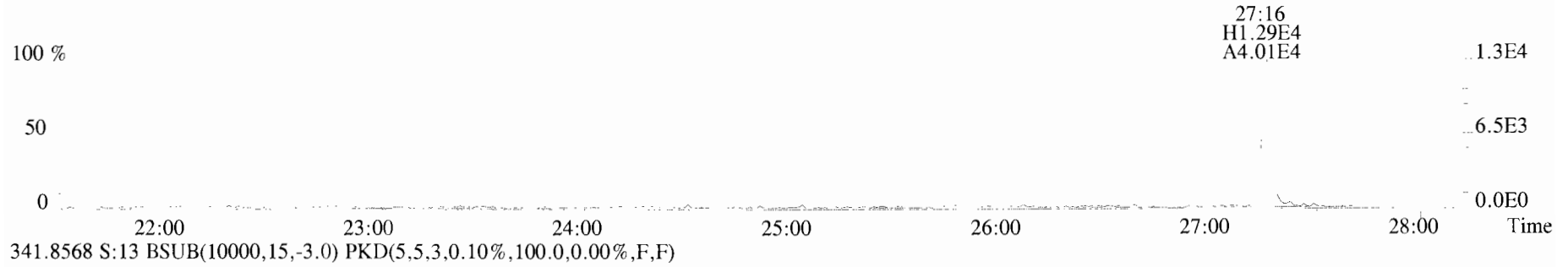
File:191029D1 #1-431 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
457.7377 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



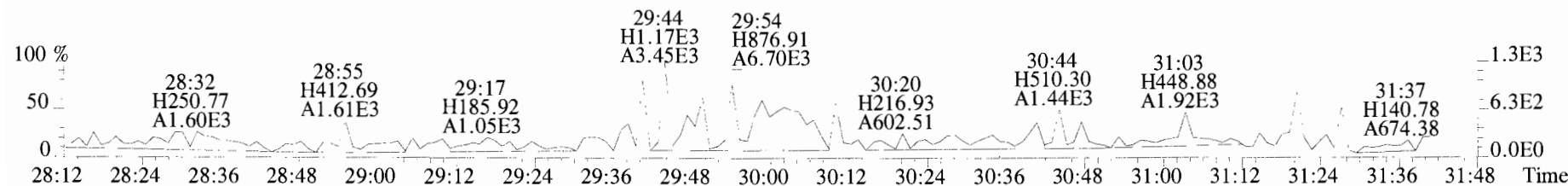
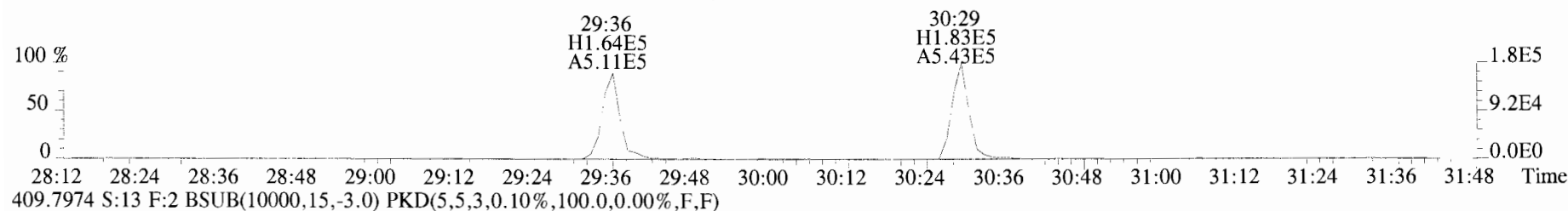
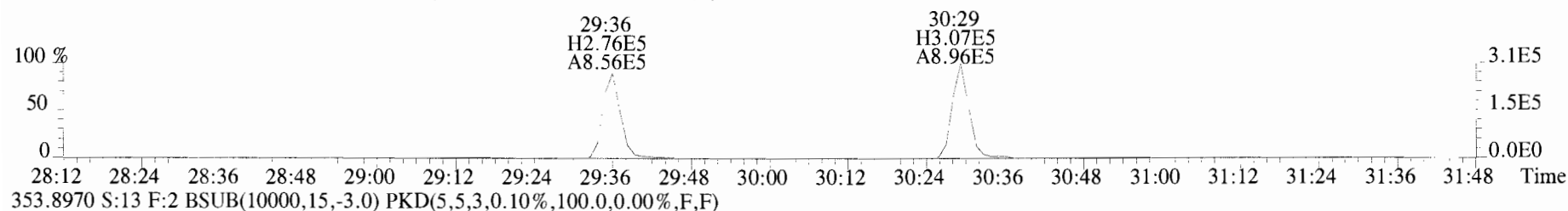
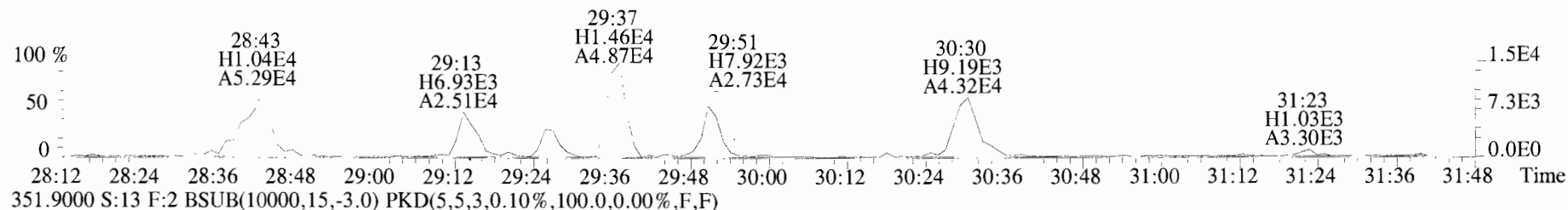
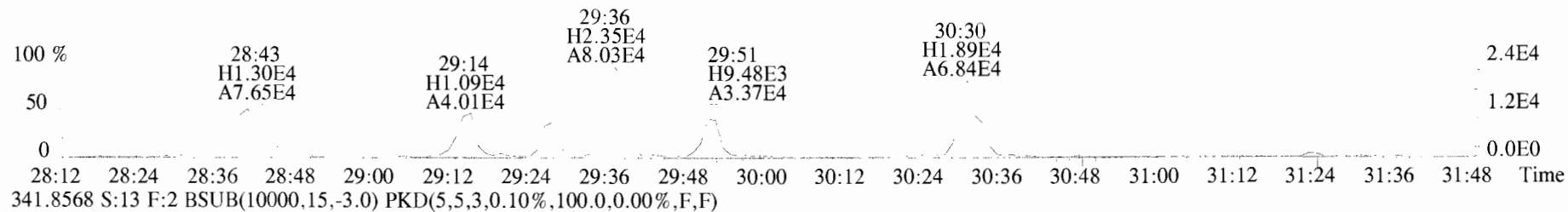
File:191029D1 #1-492 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



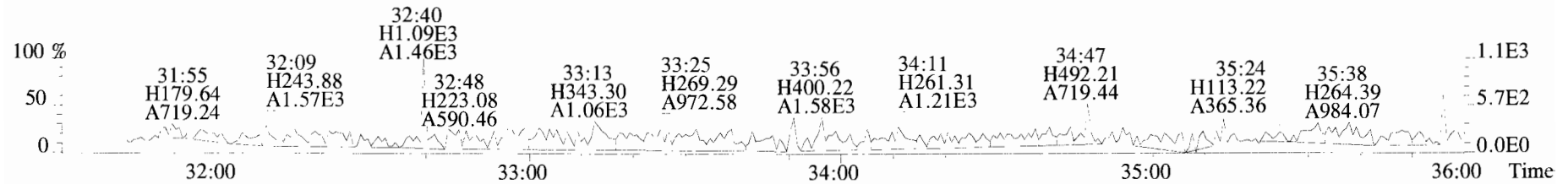
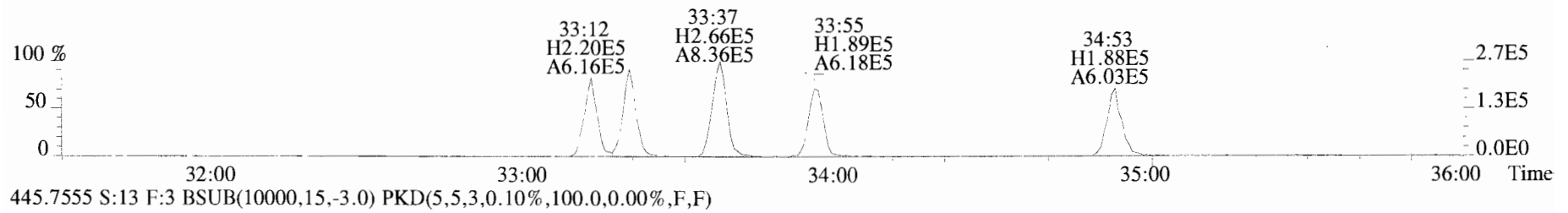
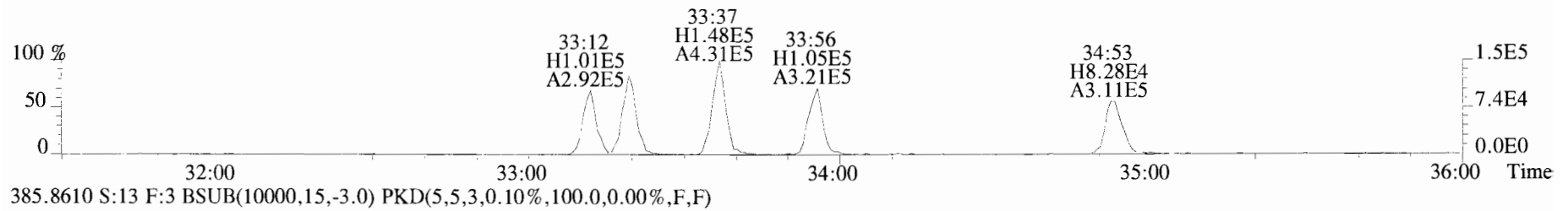
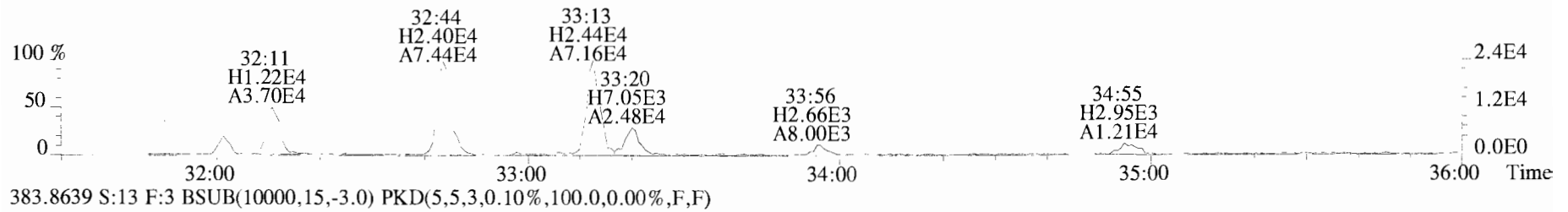
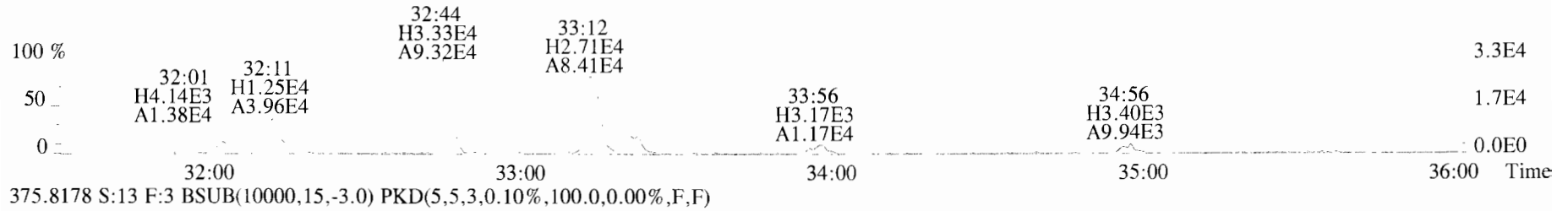
File:191029D1 #1-492 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata Analytical Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



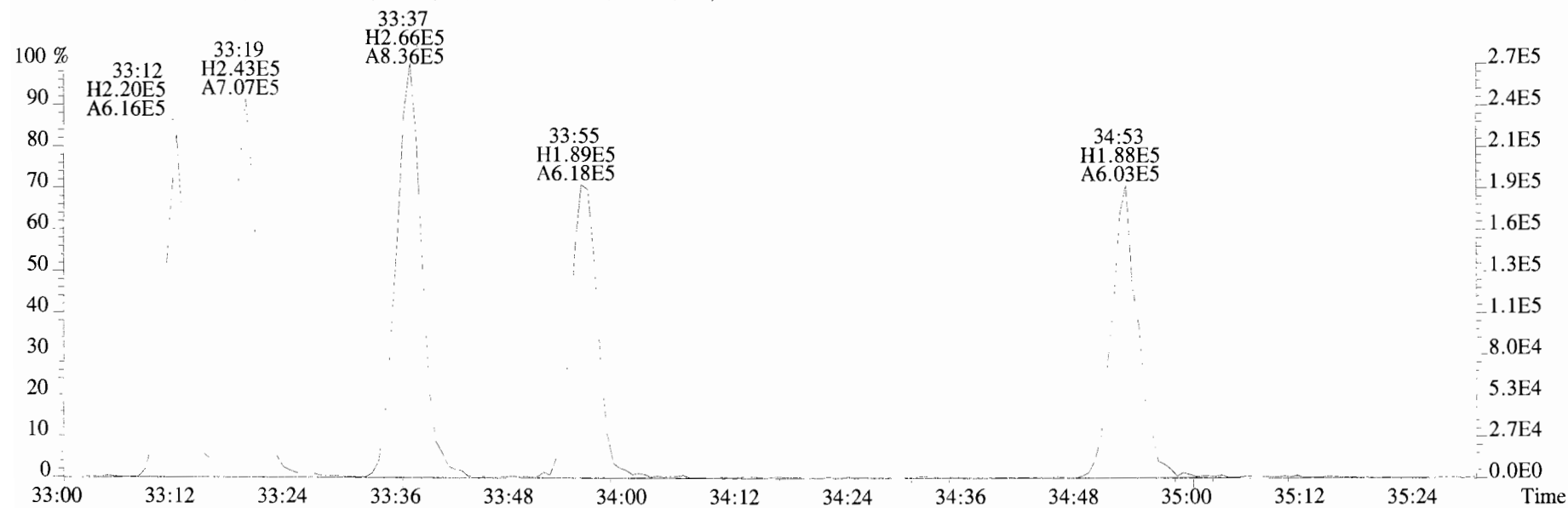
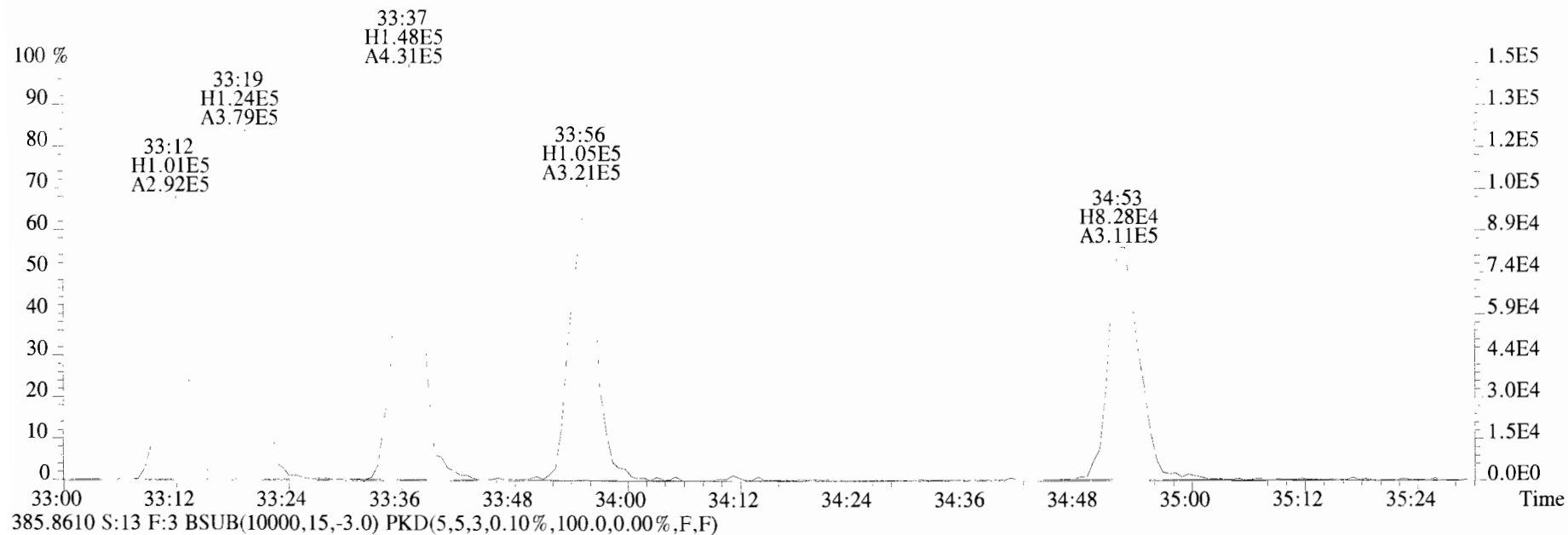
File:191029D1 #1-211 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
 339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



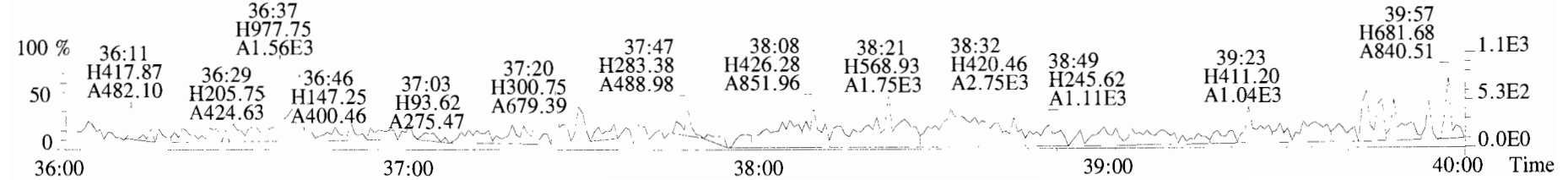
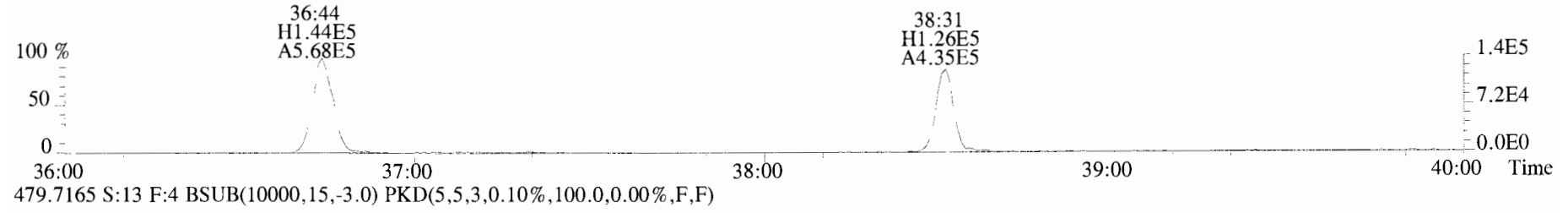
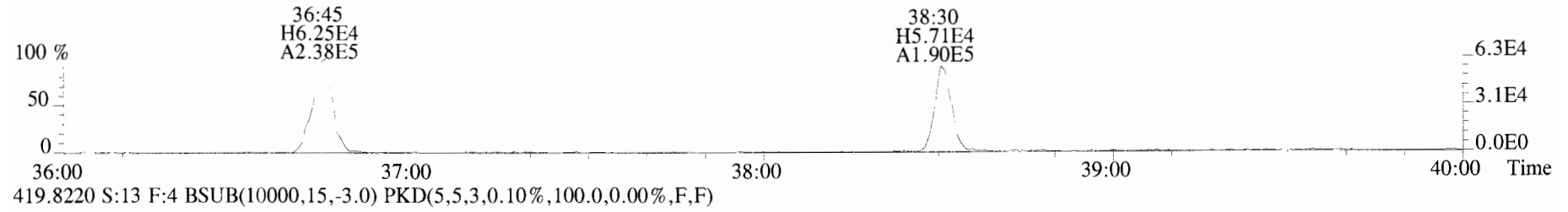
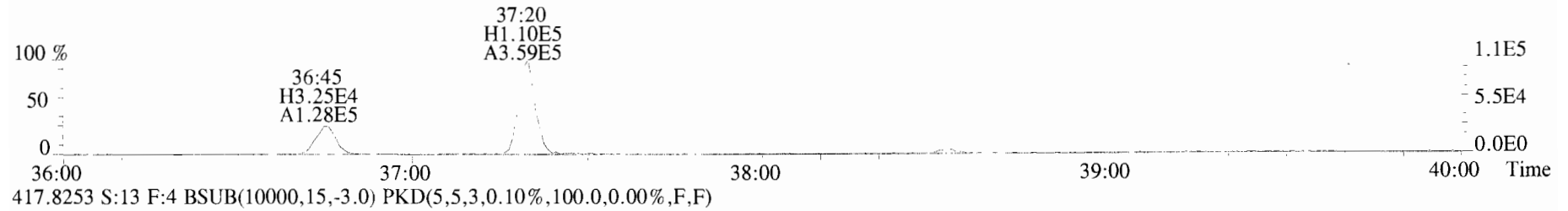
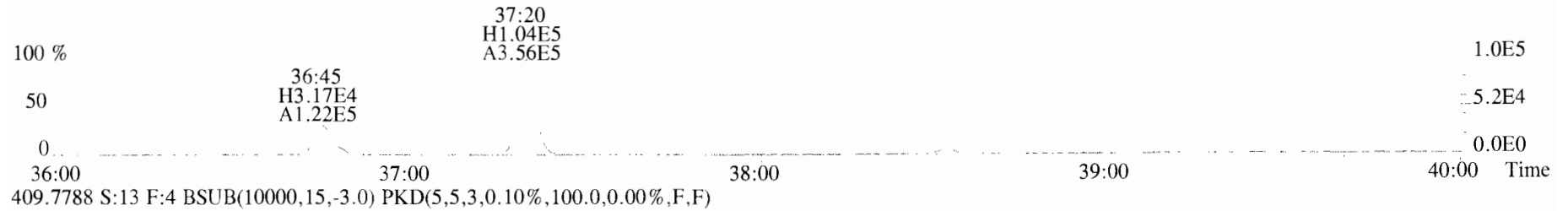
File:191029D1 #1-384 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_D£
 373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



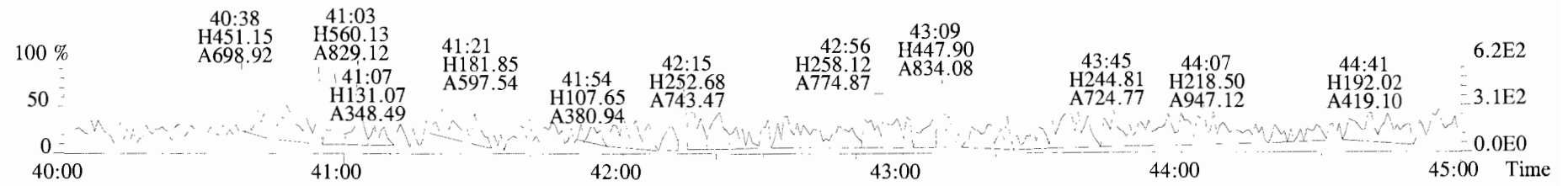
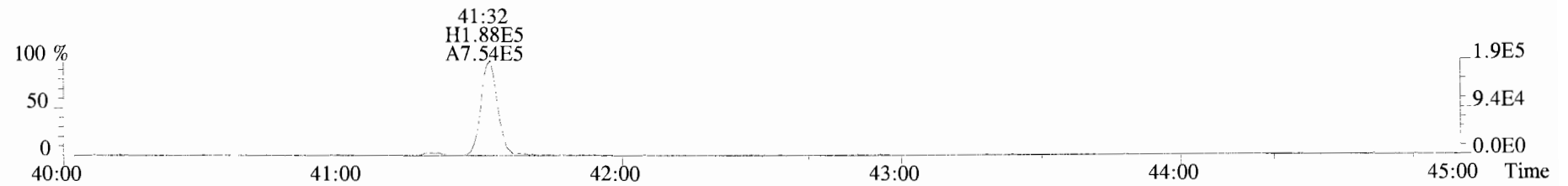
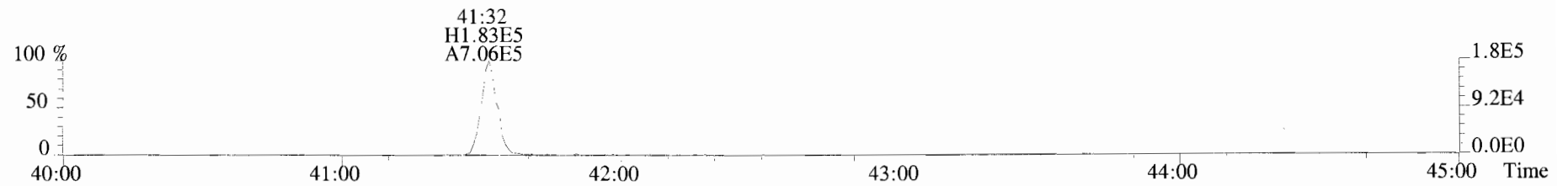
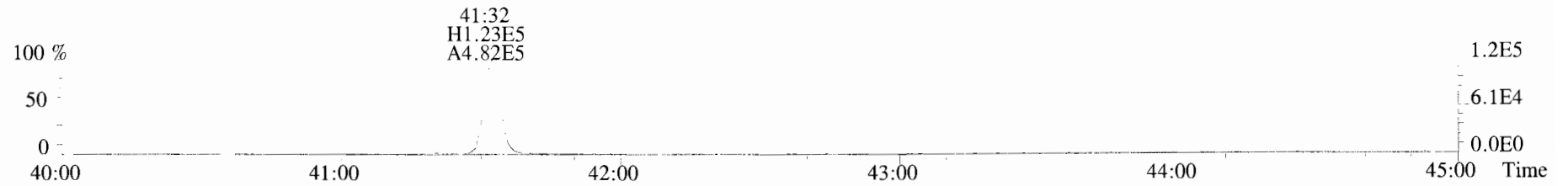
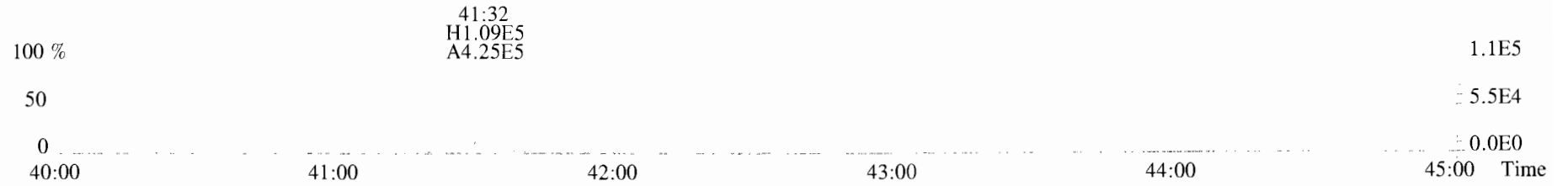
File:191029D1 #1-384 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaF
 Sample#13 File Text:Viata Analytical Laboratory VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
 383.8639 S:13 F:3 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-356 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Viata Analytical Laboratory VG7 Text:1903285-03@5X PDI-01SSG-00-0.87-190924 1:5 10.0534 Exp:OCDD_Df
407.7818 S:13 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-431 Acq:29-OCT-2019 19:49:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Viata_Analytical_Laboratory_VG7 Text:1903285-03@5X PDI-015SG-00-0.87-190924 1:5 10.0534 Exp:OCDD_D£
 441.7428 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL
2,3,7,8-TCDD	2.07e+04	0.51 n	0.91	26:37	0.30093	*	2.5	*	*
1,2,3,7,8-PeCDD	1.38e+04	0.85 n	0.90	30:56	0.24658	*	2.5	*	*
1,2,3,4,7,8-HxCDD	2.49e+04	1.31 y	1.10	34:19	0.53882	*	2.5	*	*
1,2,3,6,7,8-HxCDD	9.58e+04	1.23 y	0.94	34:26	1.8147	*	2.5	*	*
1,2,3,7,8,9-HxCDD	6.16e+04	1.15 y	0.96	34:45	1.1998	*	2.5	*	*
1,2,3,4,6,7,8-HpCDD	2.29e+06	1.00 y	0.98	38:08	48.542	*	2.5	*	*
OCDD	1.56e+07	0.90 y	0.96	41:31	450.99	*	2.5	*	*
2,3,7,8-TCDF	1.41e+06	0.77 y	0.95	25:53	14.976	*	2.5	*	*
1,2,3,7,8-PeCDF	1.59e+06	1.73 y	0.96	29:49	19.558	*	2.5	*	*
2,3,4,7,8-PeCDF	3.41e+05	1.68 y	1.01	30:41	3.9358	*	2.5	*	*
1,2,3,4,7,8-HxCDF	2.29e+06	1.22 y	1.18	33:24	33.356	*	2.5	*	*
1,2,3,6,7,8-HxCDF	6.88e+05	1.23 y	1.07	33:32	8.3102	*	2.5	*	*
2,3,4,6,7,8-HxCDF	1.47e+05	1.22 y	1.11	34:10	1.9972	*	2.5	*	*
1,2,3,7,8,9-HxCDF	6.60e+04	1.26 y	1.06	35:09	1.0698	*	2.5	*	*
1,2,3,4,6,7,8-HpCDF	1.09e+06	1.01 y	1.13	37:00	18.479	*	2.5	*	*
1,2,3,4,7,8,9-HpCDF	2.63e+05	1.06 y	1.28	38:43	5.0991	*	2.5	*	*
OCDF	1.52e+06	0.90 y	0.95	41:46	35.960	*	2.5	*	*

(14.62)

Name	Conc	EMPC	Qual	noise	DL
Total Tetra-Dioxins	1.27	2.77	*	*	*
Total Penta-Dioxins	0.911	2.67	*	*	*
Total Hexa-Dioxins	16.3	17.0	*	*	*
Total Hepta-Dioxins	98.9	98.9	*	*	*
Total Tetra-Furans	41.2	42.3	*	*	*
Total Penta-Furans	50.243	50.497	*	*	*
Total Hexa-Furans	61.4	61.4	*	*	*
Total Hepta-Furans	44.7	44.7	*	*	*

P

IS	13C-2,3,7,8-TCDD	1.51e+07	0.78 y	1.10	26:36	205.58
IS	13C-1,2,3,7,8-PeCDD	1.24e+07	0.64 y	0.88	30:58	209.22
IS	13C-1,2,3,4,7,8-HxCDD	8.39e+06	1.27 y	0.64	34:18	174.46
IS	13C-1,2,3,6,7,8-HxCDD	1.12e+07	1.30 y	0.86	34:25	175.21
IS	13C-1,2,3,7,8,9-HxCDD	1.07e+07	1.28 y	0.81	34:45	176.52
IS	13C-1,2,3,4,6,7,8-HpCDD	9.62e+06	1.05 y	0.65	38:08	196.51
IS	13C-OCDD	1.45e+07	0.89 y	0.58	41:31	332.85
IS	13C-2,3,7,8-TCDF	1.98e+07	0.79 y	1.03	25:53	194.08
IS	13C-1,2,3,7,8-PeCDF	1.69e+07	1.57 y	0.85	29:49	200.95
IS	13C-2,3,4,7,8-PeCDF	1.70e+07	1.59 y	0.85	30:42	203.93
IS	13C-1,2,3,4,7,8-HxCDF	1.16e+07	0.51 y	0.83	33:23	186.72
IS	13C-1,2,3,6,7,8-HxCDF	1.55e+07	0.53 y	1.03	33:32	199.61
IS	13C-2,3,4,6,7,8-HxCDF	1.31e+07	0.50 y	0.95	34:09	184.19
IS	13C-1,2,3,7,8,9-HxCDF	1.16e+07	0.53 y	0.83	35:10	187.11
IS	13C-1,2,3,4,6,7,8-HpCDF	1.05e+07	0.43 y	0.76	36:59	184.56
IS	13C-1,2,3,4,7,8,9-HpCDF	8.05e+06	0.43 y	0.58	38:43	184.96
IS	13C-OCDF	1.78e+07	0.91 y	0.69	41:45	344.27

Rec Qual

103
105
87.4
87.8
88.4
98.5
83.4
97.2
101
102
93.6
100
92.3
93.8
92.5
92.7
86.3

C/Up	37Cl-2,3,7,8-TCDD	6.51e+06		1.20	26:37	80.877
RS/RT	13C-1,2,3,4-TCDD	1.34e+07	0.80 y	1.00	26:02	199.57
RS	13C-1,2,3,4-TCDF	1.97e+07	0.80 y	1.00	24:42	199.57
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.49e+07	0.51 y	1.00	33:50	199.57

Integrations
 by DB
 Analyst: DB
 Date: 10/29/19
 Reviewed
 by HC
 Analyst: HC
 Date: 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 17 File: 191011D2 S: 12 I: 1 F: 1
 Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 2.7683

Unnamed Concentration: 2.467

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:25	2.074e+04	2.722e+04	0.76	y	4.796e+04	0.69840
23:45	7.806e+03	9.220e+03	0.85	y	1.703e+04	0.24795
24:48	3.786e+03	6.332e+03	0.60	n	8.703e+03	0.12674
25:01	4.978e+03	5.757e+03	0.86	y	1.074e+04	0.15634
25:12	5.136e+03	6.151e+03	0.83	y	1.129e+04	0.16437
26:23	4.010e+04	4.165e+04	0.96	n	7.373e+04	1.0736
26:37	8.990e+03	1.769e+04	0.51	n	2.067e+04	0.30093 2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 17 File: 191011D2 S: 12 I: 1 F: 2
 Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 2.6748

Unnamed Concentration: 2.428

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:57	2.050e+04	3.058e+04	0.67	y	5.108e+04	0.91086
29:22	4.427e+03	8.765e+03	0.51	n	1.145e+04	0.20426
29:49	1.230e+04	1.190e+04	1.03	n	1.939e+04	0.34583
29:59	9.418e+03	1.004e+04	0.94	n	1.637e+04	0.29191
30:16	1.265e+04	1.555e+04	0.81	n	2.535e+04	0.45210
30:56	7.186e+03	8.483e+03	0.85	n	1.383e+04	0.24658 1,2,3,7,8-PeCDD
31:19	4.839e+03	1.245e+04	0.39	n	1.252e+04	0.22325

Totals class: HxCDD EMPC

Entry #: 23

Run: 17 File: 191011D2 S: 12 I: 1 F: 3

Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 17.046

Unnamed Concentration: 13.493

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
32:44	1.398e+05	1.261e+05	1.11	y	2.659e+05	5.3006	
33:19	2.331e+04	1.795e+04	1.30	y	4.126e+04	0.82257	
33:35	1.845e+05	1.489e+05	1.24	y	3.334e+05	6.6481	
33:42	1.177e+04	1.219e+04	0.97	n	2.126e+04	0.42384	
34:19	1.417e+04	1.078e+04	1.31	y	2.494e+04	0.53882	1,2,3,4,7,8-HxCDD
34:26	5.285e+04	4.295e+04	1.23	y	9.581e+04	1.8147	1,2,3,6,7,8-HxCDD
34:37	1.040e+04	6.666e+03	1.56	n	1.493e+04	0.29770	
34:45	3.292e+04	2.870e+04	1.15	y	6.163e+04	1.1998	1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 17

File: 191011D2

S: 12 I: 1 F: 4

Acquired: 12-OCT-19 10:02:38

Processed: 14-OCT-19 10:39:25

Total Concentration: 98.921

Unnamed Concentration: 50.379

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
37:18	1.205e+06	1.174e+06	1.03 y	2.379e+06	50.379	
38:08	1.147e+06	1.145e+06	1.00 y	2.293e+06	48.542	1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 17 File: 191011D2 S: 12 I: 1 F: 1
 Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 42.333 Unnamed Concentration: 27.357

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
22:00	8.890e+03	1.079e+04	0.82	y	1.968e+04	0.20884
22:37	6.012e+04	7.946e+04	0.76	y	1.396e+05	1.4811
23:05	4.328e+04	4.977e+04	0.87	y	9.304e+04	0.98724
23:24	1.335e+05	1.671e+05	0.80	y	3.007e+05	3.1901
23:47	4.433e+04	5.850e+04	0.76	y	1.028e+05	1.0911
23:54	1.185e+04	1.583e+04	0.75	y	2.768e+04	0.29372
24:03	2.433e+04	3.356e+04	0.73	y	5.789e+04	0.61421
24:24	1.255e+04	1.540e+04	0.81	y	2.795e+04	0.29654
24:30	1.278e+04	1.360e+04	0.94	n	2.406e+04	0.25533
24:42	1.218e+05	1.521e+05	0.80	y	2.739e+05	2.9062
25:07	4.606e+05	5.984e+05	0.77	y	1.059e+06	11.236
25:20	3.147e+04	4.295e+04	0.73	y	7.443e+04	0.78971
25:30	1.156e+04	1.719e+04	0.67	y	2.875e+04	0.30503
25:41	1.210e+04	1.571e+04	0.77	y	2.782e+04	0.29514
25:46	5.427e+04	8.072e+04	0.67	y	1.350e+05	1.4323
25:53	6.128e+05	7.986e+05	0.77	y	1.411e+06	14.976
26:11	4.085e+04	5.850e+04	0.70	y	9.935e+04	1.0542
27:35	4.574e+04	4.898e+04	0.93	n	8.670e+04	0.91991

2,3,7,8-TCDF

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 17 File: 191011D2 S: 12 I: 1 F: 1
Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 2.8977 Unnamed Concentration: 2.898

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:32	1.479e+05	9.544e+04	1.55 y	2.433e+05	2.8977

Totals class: PeCDF EMPC

Entry #: 31

Run: 17 File: 191011D2 S: 12 I: 1 F: 2
 Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 47.599 Unnamed Concentration: 24.106

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:55	5.174e+05	3.337e+05	1.55	y	8.511e+05	10.135
29:27	6.840e+04	4.621e+04	1.48	y	1.146e+05	1.3648
29:38	6.303e+04	4.570e+04	1.38	y	1.087e+05	1.2947
29:49	1.009e+06	5.832e+05	1.73	y	1.592e+06	19.558 1,2,3,7,8-PeCDF
30:03	2.974e+05	1.881e+05	1.58	y	4.855e+05	5.7814
30:36	1.293e+04	1.057e+04	1.22	n	2.127e+04	0.25327
30:41	2.136e+05	1.271e+05	1.68	y	3.407e+05	3.9358 2,3,4,7,8-PeCDF
30:45	2.574e+05	1.462e+05	1.76	y	4.036e+05	4.8060
31:36	2.510e+04	1.440e+04	1.74	y	3.949e+04	0.47028

Totals class: HxCDF EMPC

Entry #: 33

Run: 17 File: 191011D2 S: 12 I: 1 F: 3
 Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

Total Concentration: 61.432

Unnamed Concentration: 16.698

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:11	7.243e+04	5.723e+04	1.27	y	1.297e+05	1.8097
32:21	2.643e+05	2.121e+05	1.25	y	4.764e+05	6.6492
32:55	2.433e+05	2.030e+05	1.20	y	4.463e+05	6.2294
33:17	1.823e+04	1.552e+04	1.17	y	3.375e+04	0.47108
33:24	1.257e+06	1.031e+06	1.22	y	2.287e+06	33.356
33:32	3.794e+05	3.088e+05	1.23	y	6.883e+05	8.3102
34:10	8.046e+04	6.608e+04	1.22	y	1.465e+05	1.9972
35:09	3.679e+04	2.921e+04	1.26	y	6.600e+04	1.0698
35:13	5.984e+04	5.042e+04	1.19	y	1.103e+05	1.5389

Totals class: HpCDF EMPC

Entry #: 35

Run: 17 File: 191011D2 S: 12 I: 1 F: 4
Acquired: 12-OCT-19 10:02:38 Processed: 14-OCT-19 10:39:25

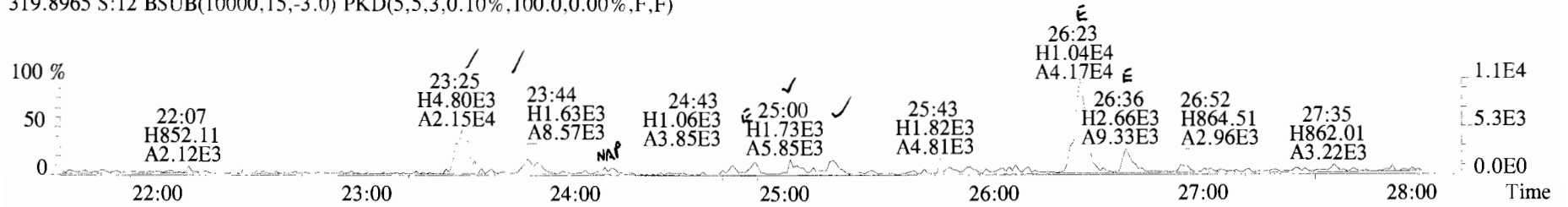
Total Concentration: 44.721

Unnamed Concentration: 21.144

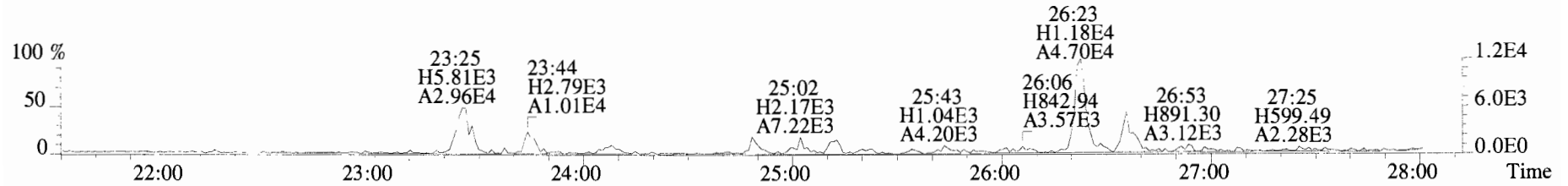
RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
37:00	5.501e+05	5.430e+05	1.01 y	1.093e+06	18.479	1,2,3,4,6,7,8-HpCDF
37:20	1.106e+04	1.179e+04	0.94 y	2.285e+04	0.41255	
37:31	5.782e+05	5.701e+05	1.01 y	1.148e+06	20.731	
38:43	1.355e+05	1.277e+05	1.06 y	2.633e+05	5.0991	1,2,3,4,7,8,9-HpCDF

P

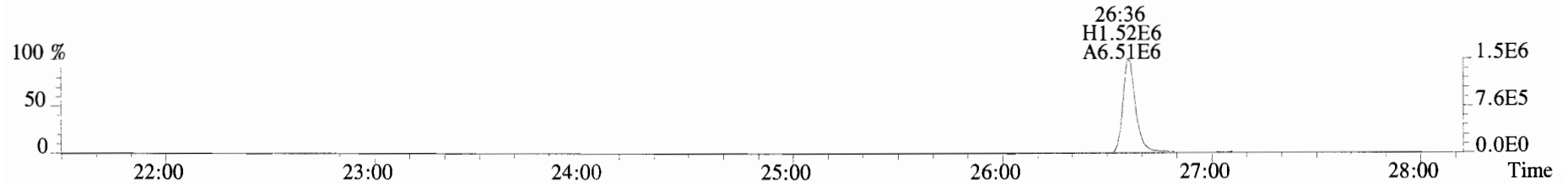
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



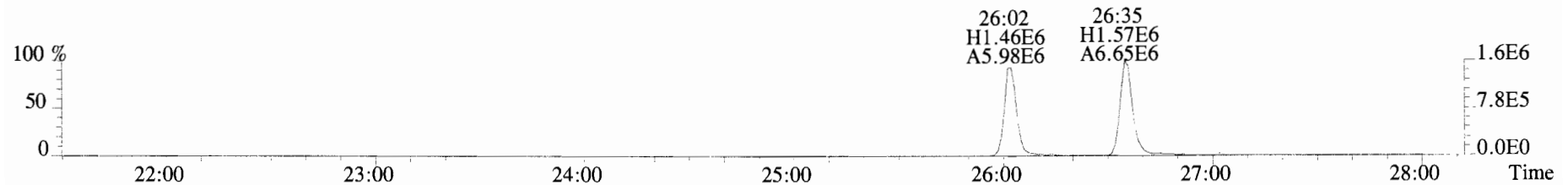
321.8936 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



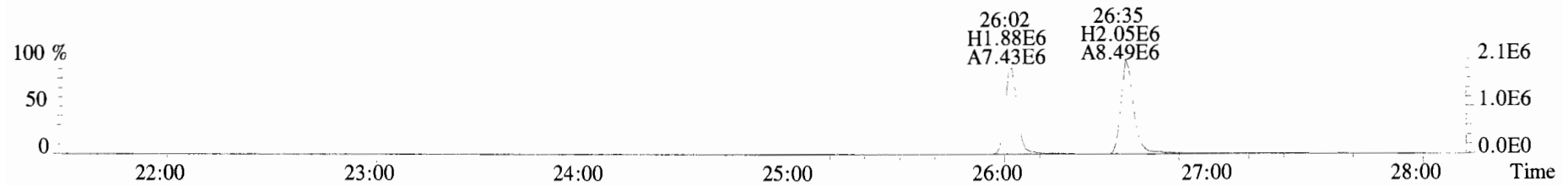
327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



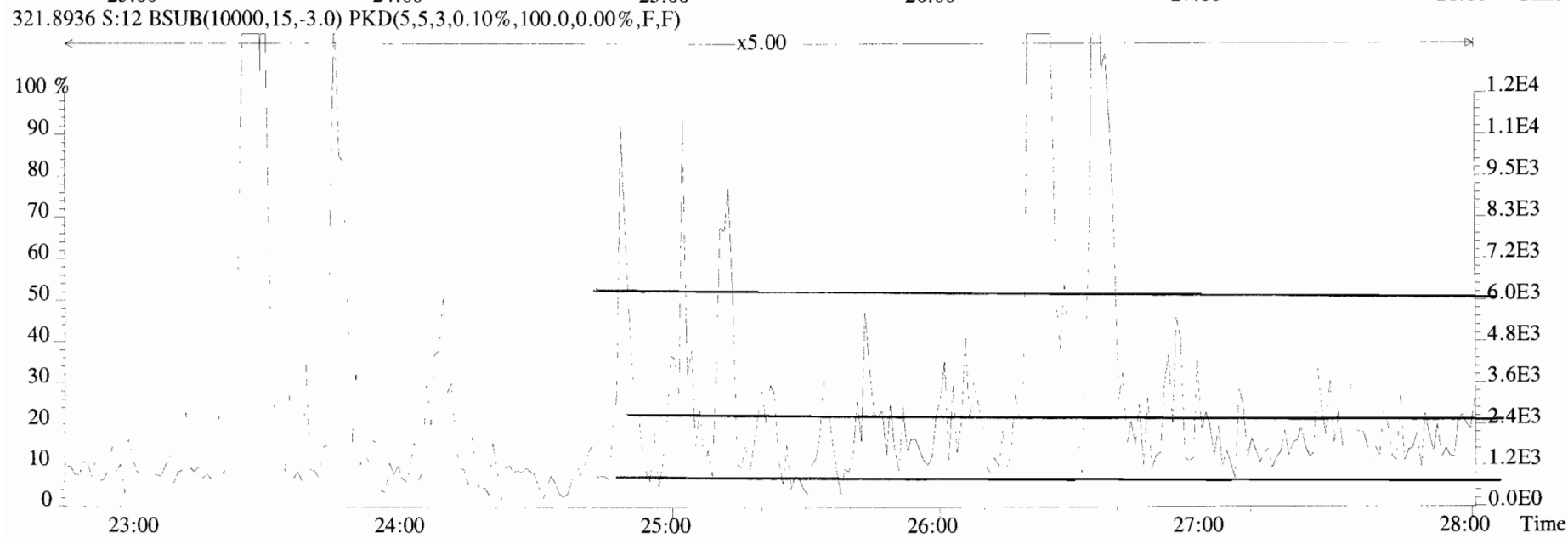
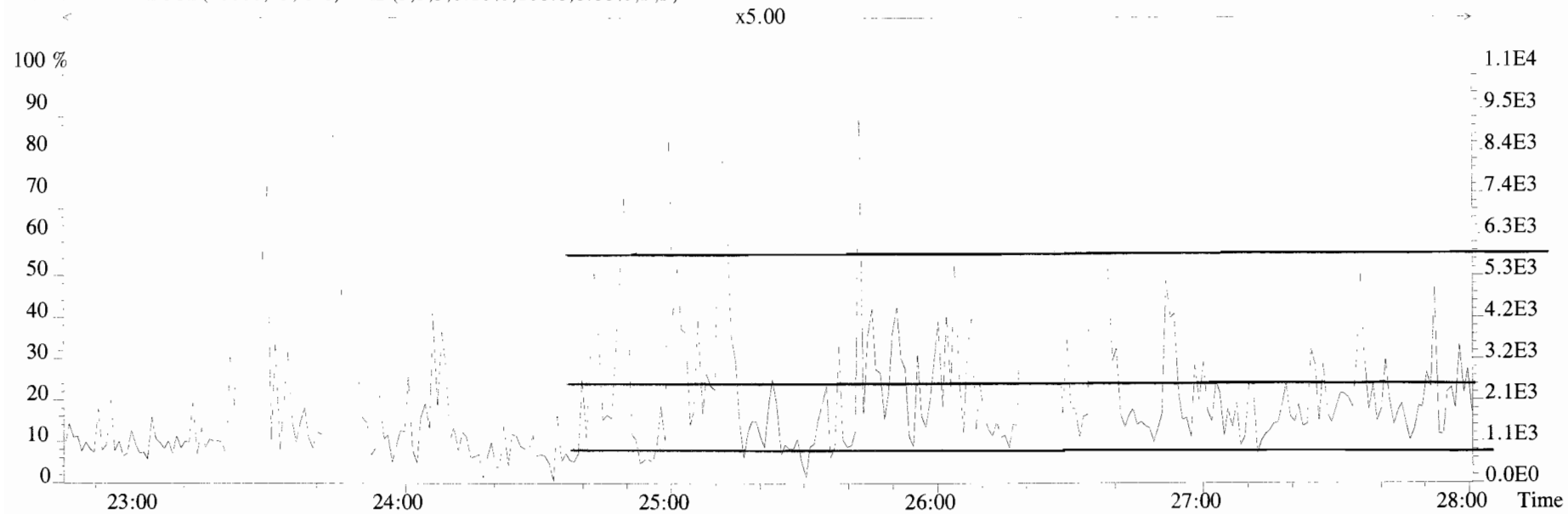
331.9368 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



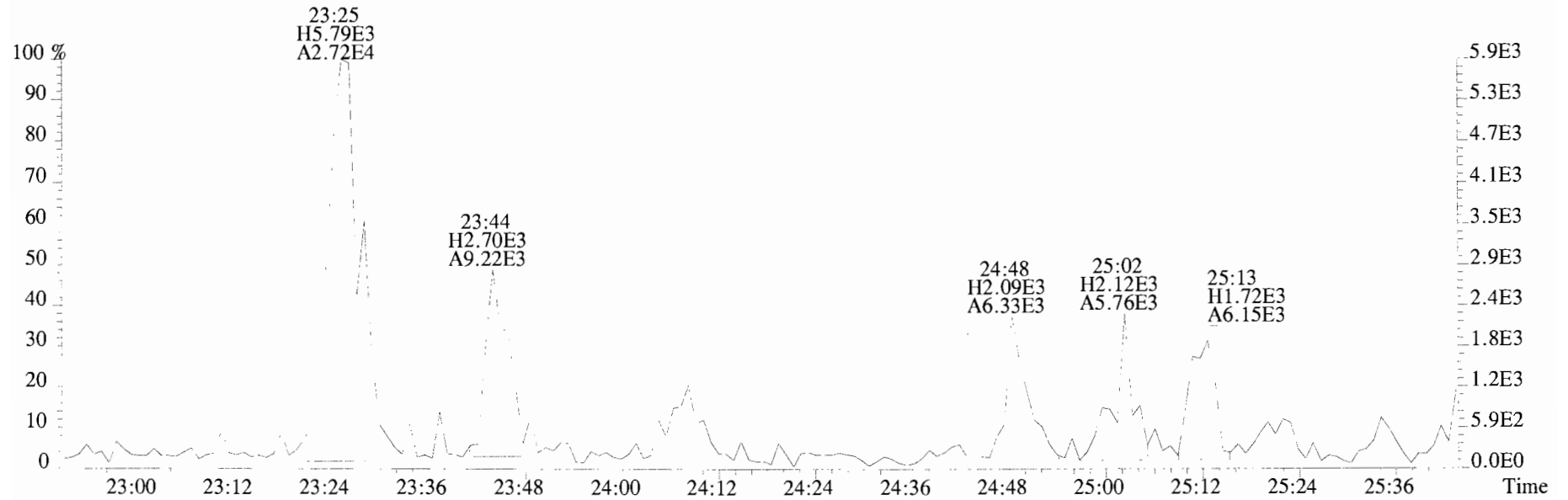
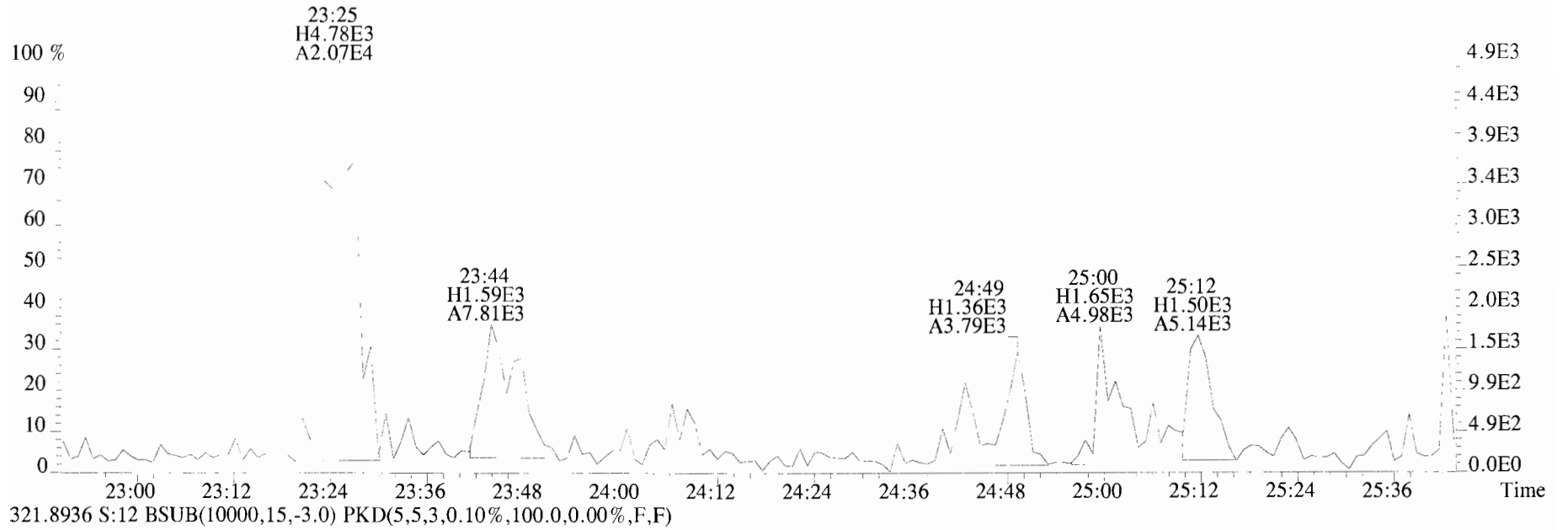
333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



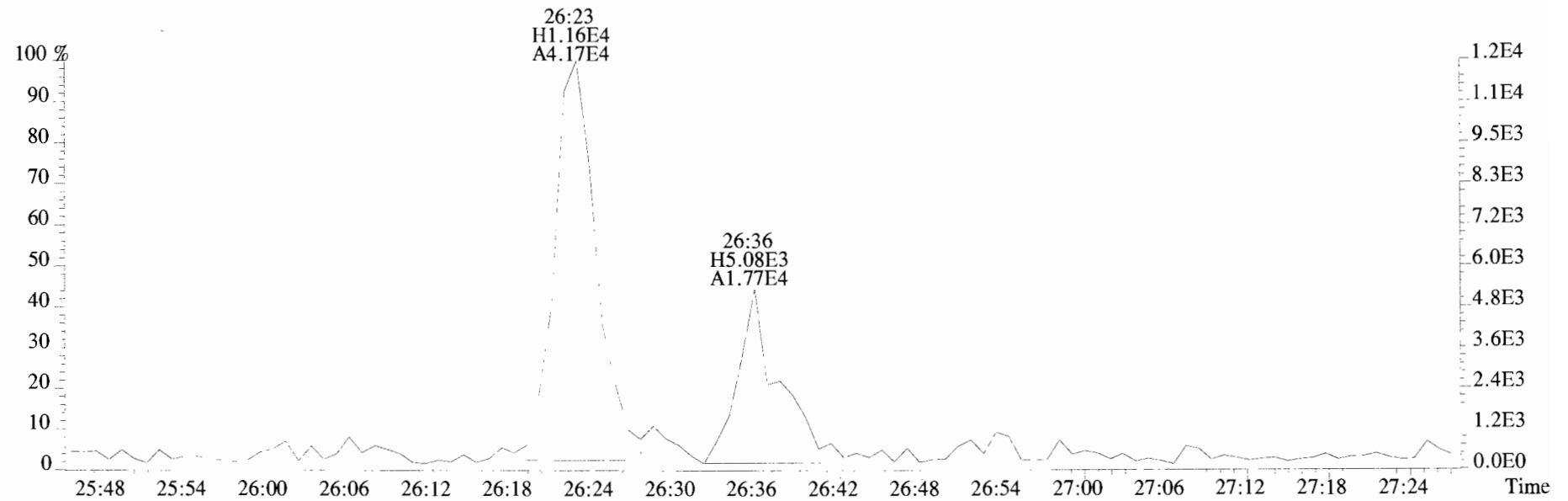
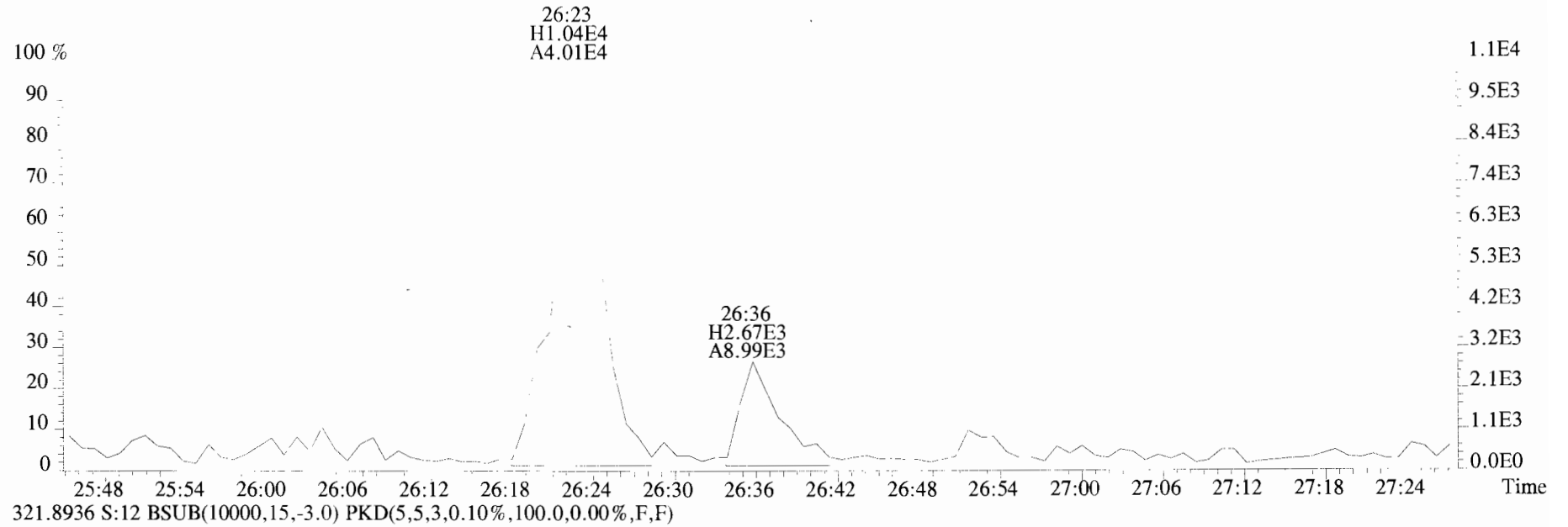
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



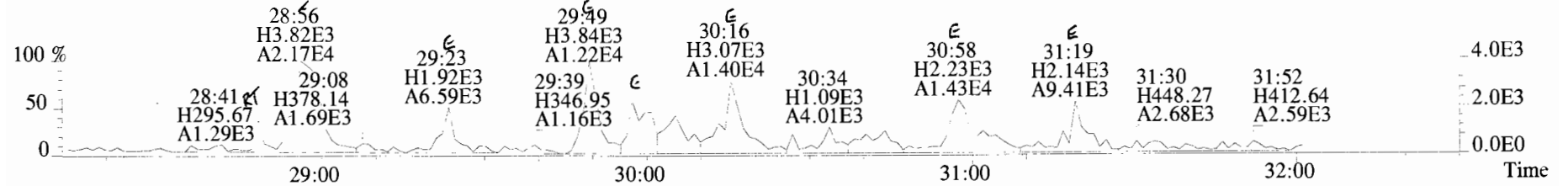
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 Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



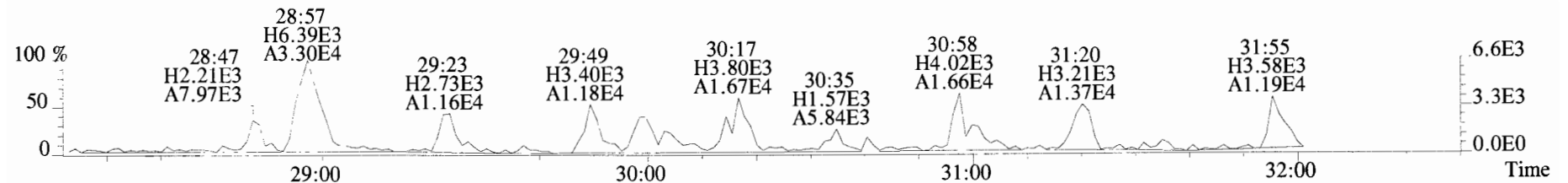
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



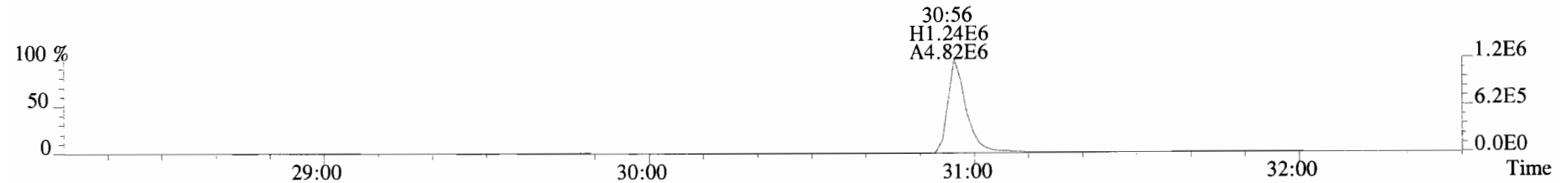
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



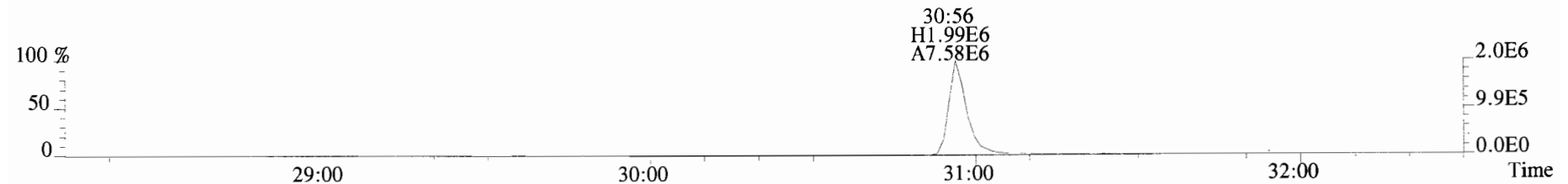
355.8546 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



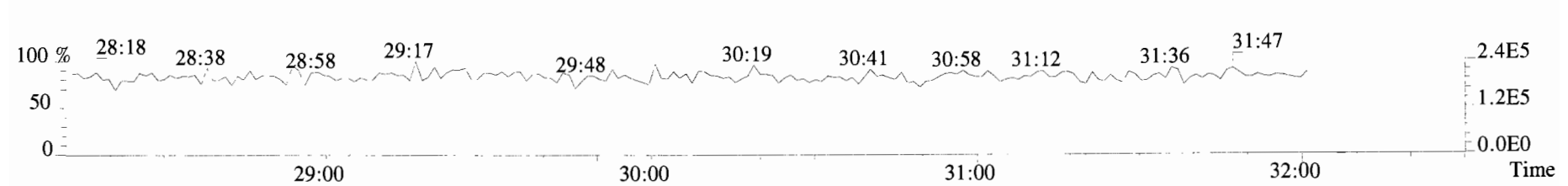
365.8978 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



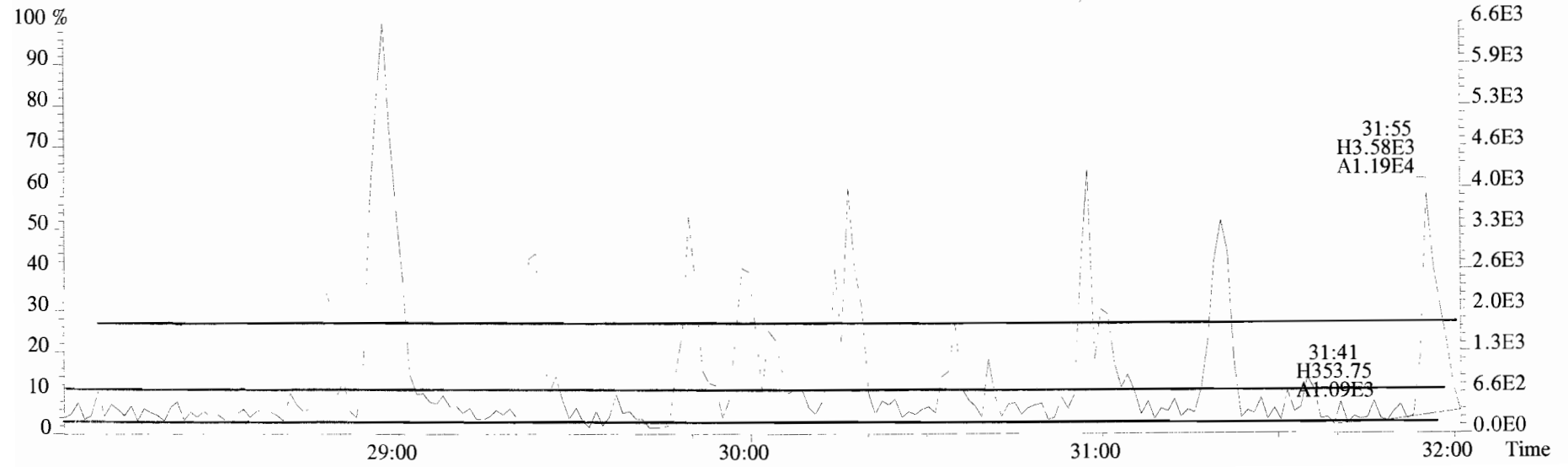
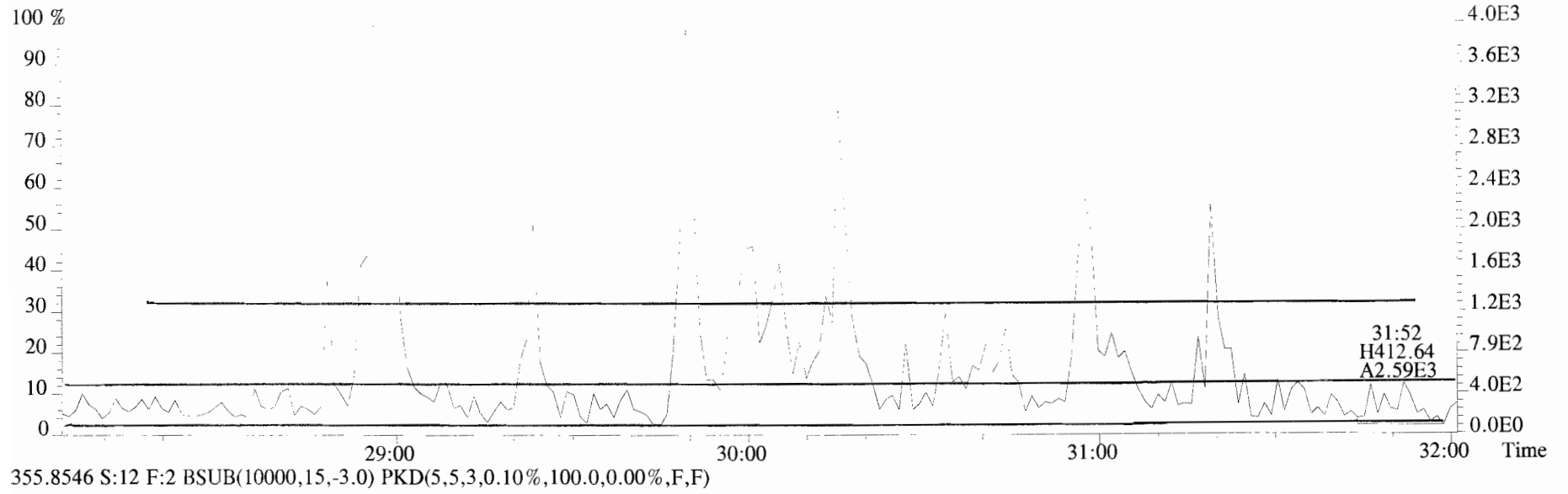
367.8949 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



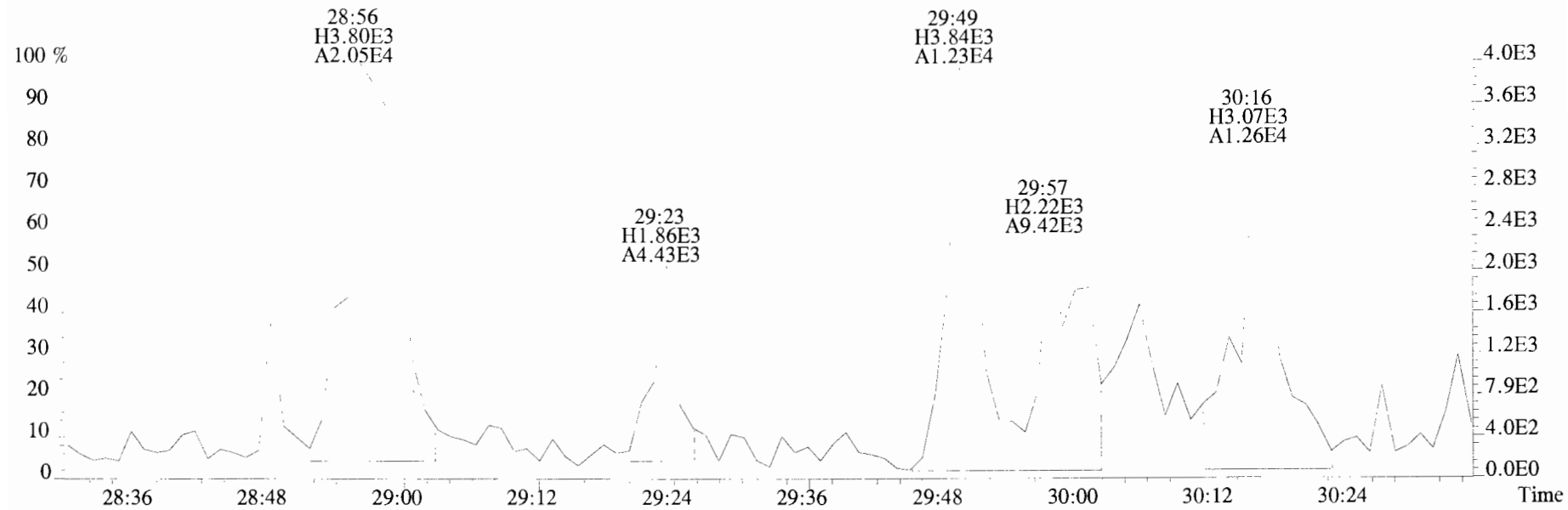
366.9792 S:12 F:2



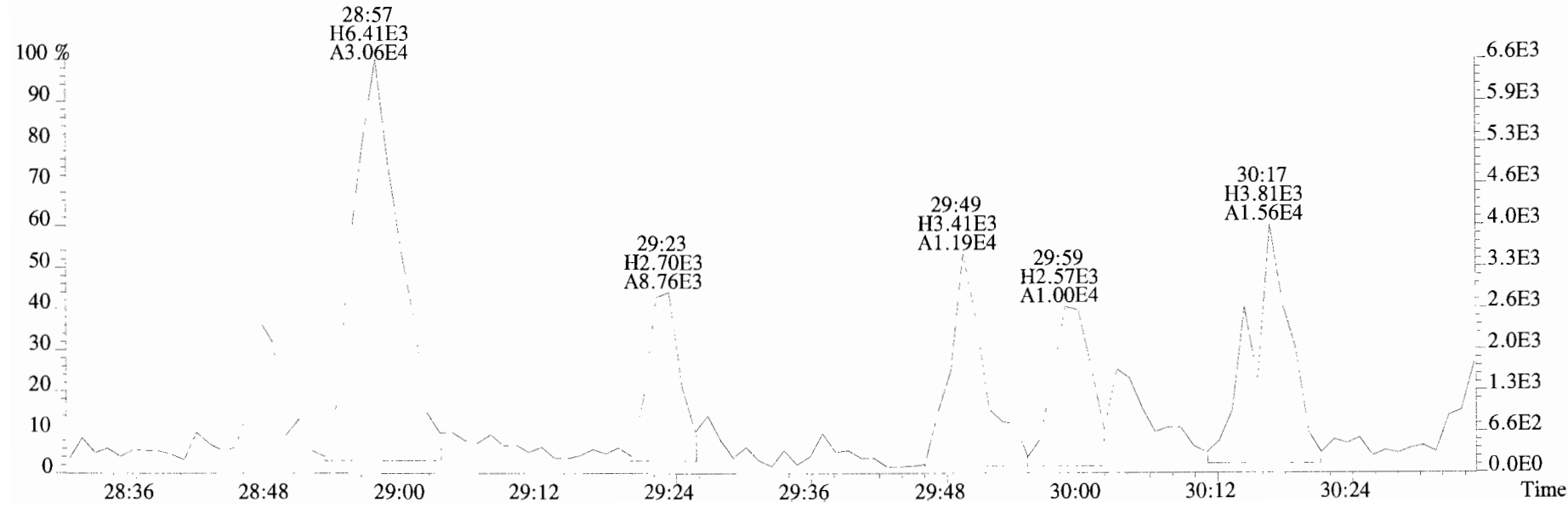
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC E1+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



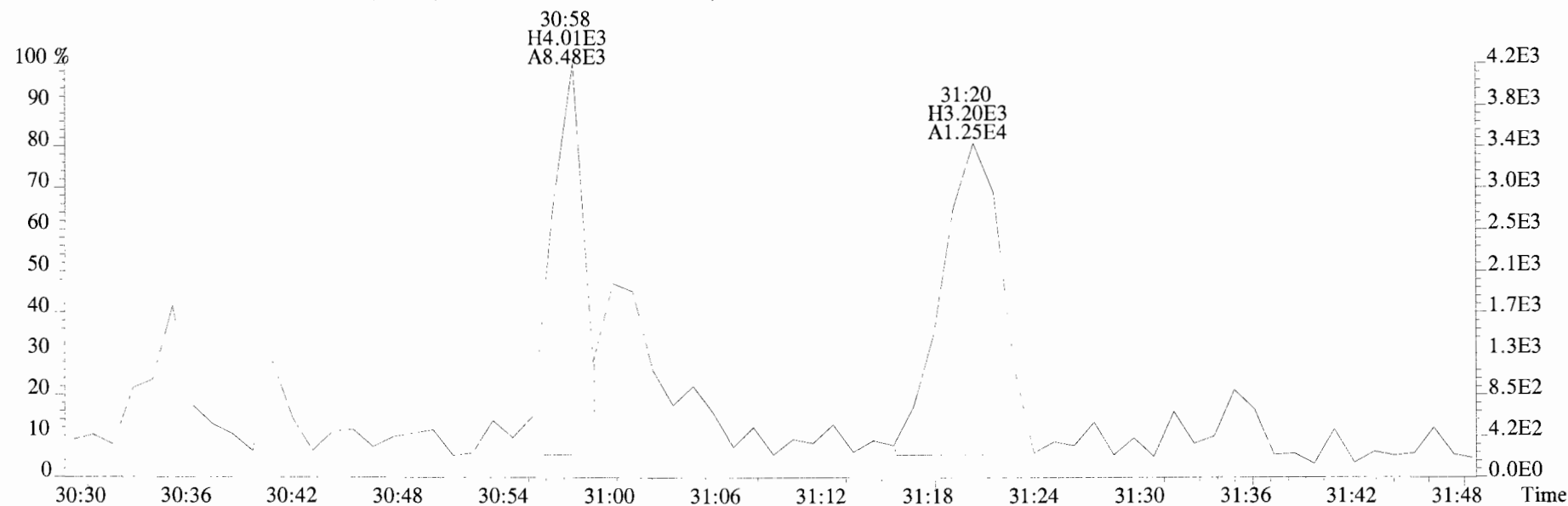
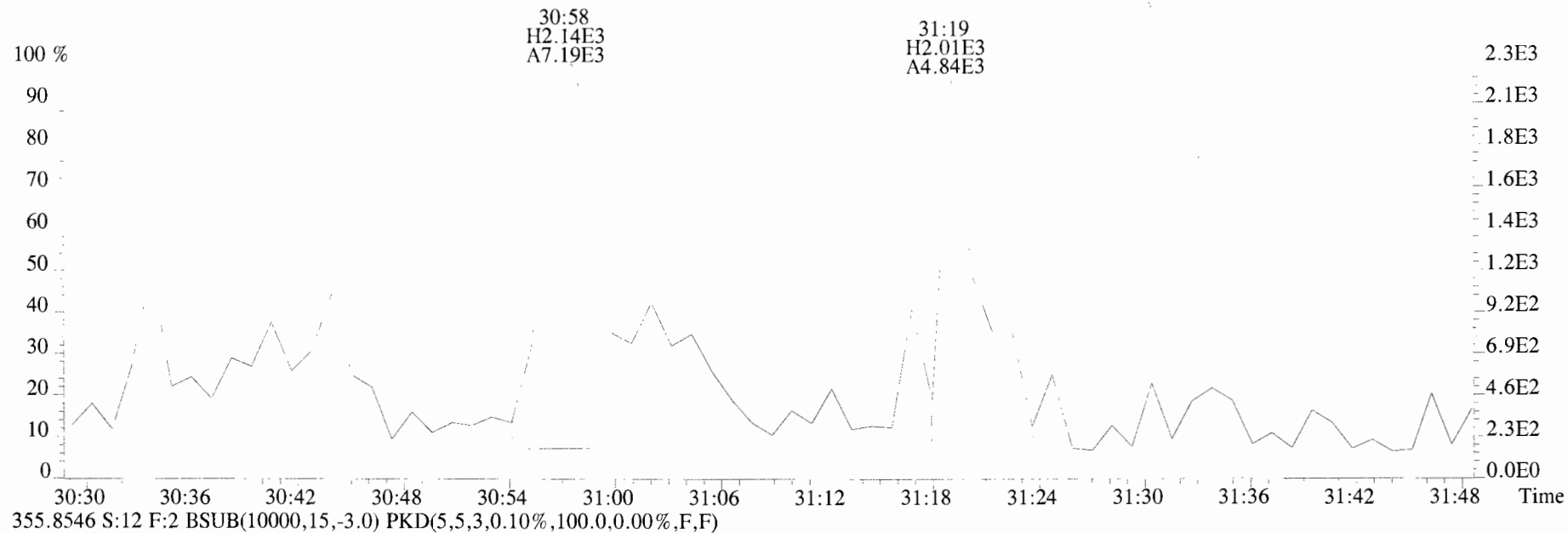
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



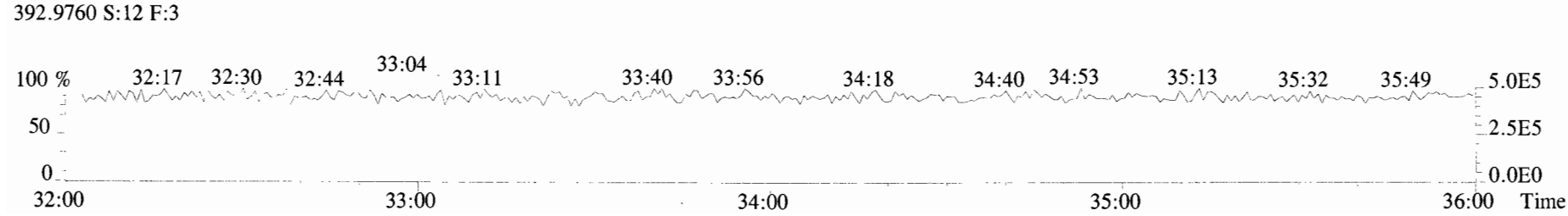
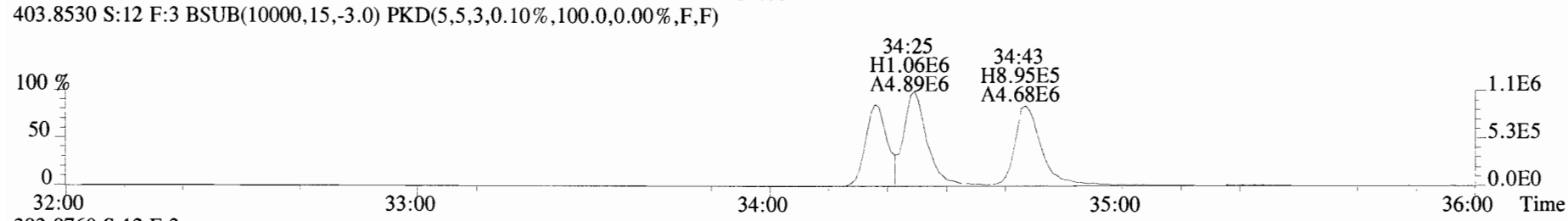
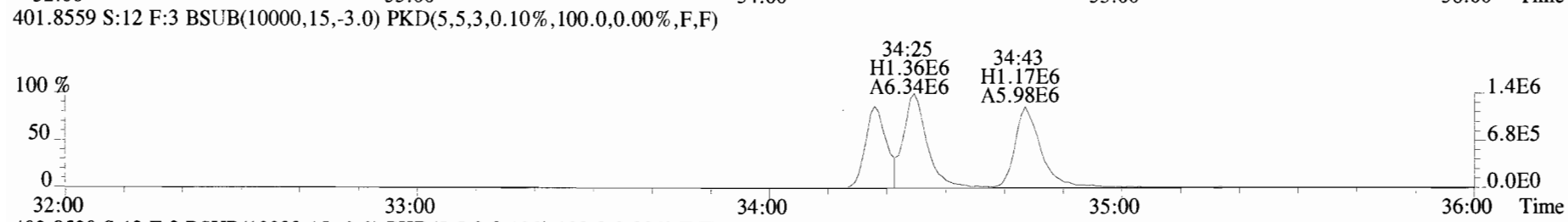
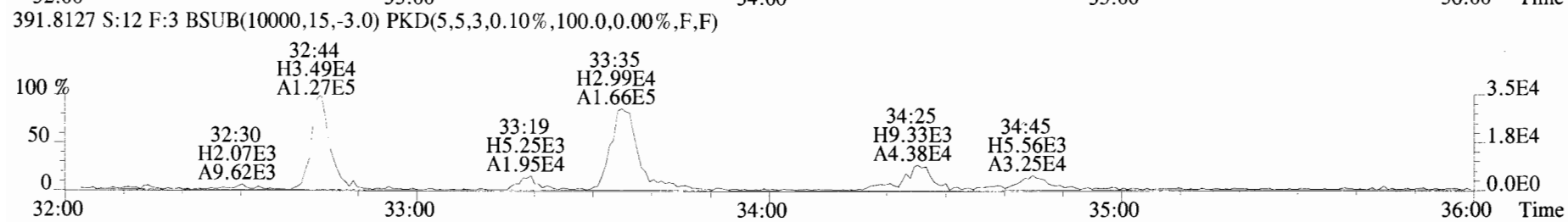
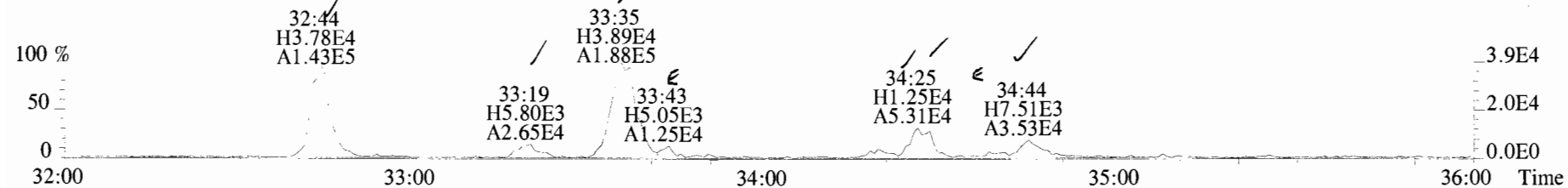
355.8546 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



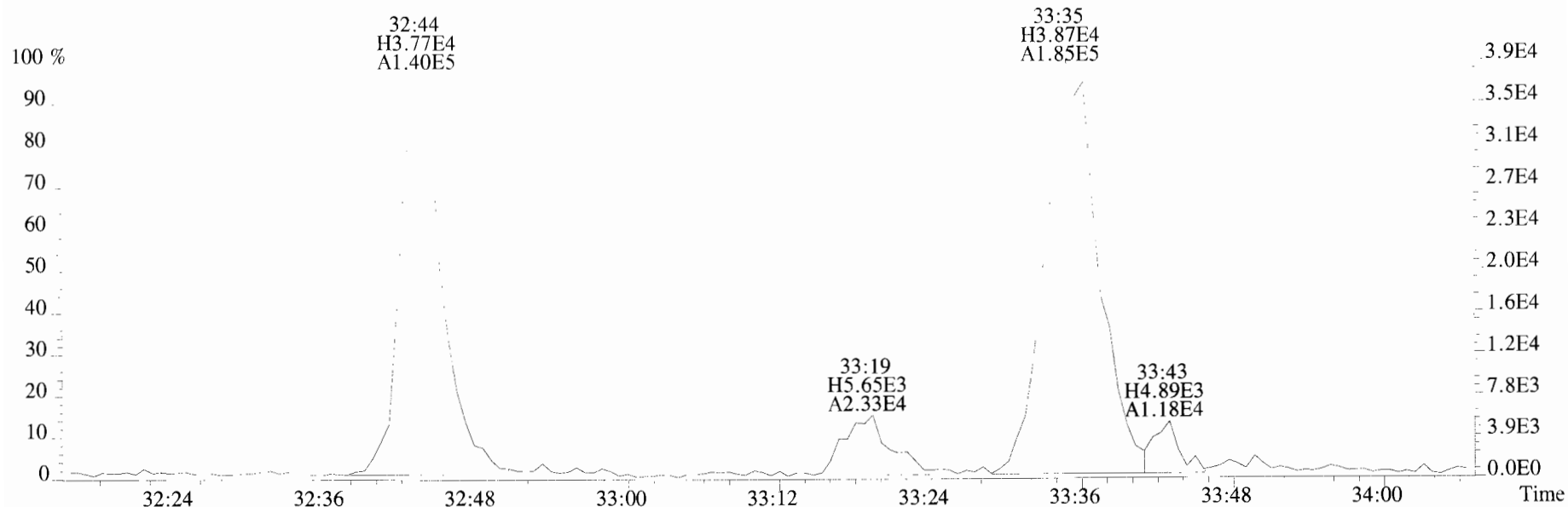
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text: Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



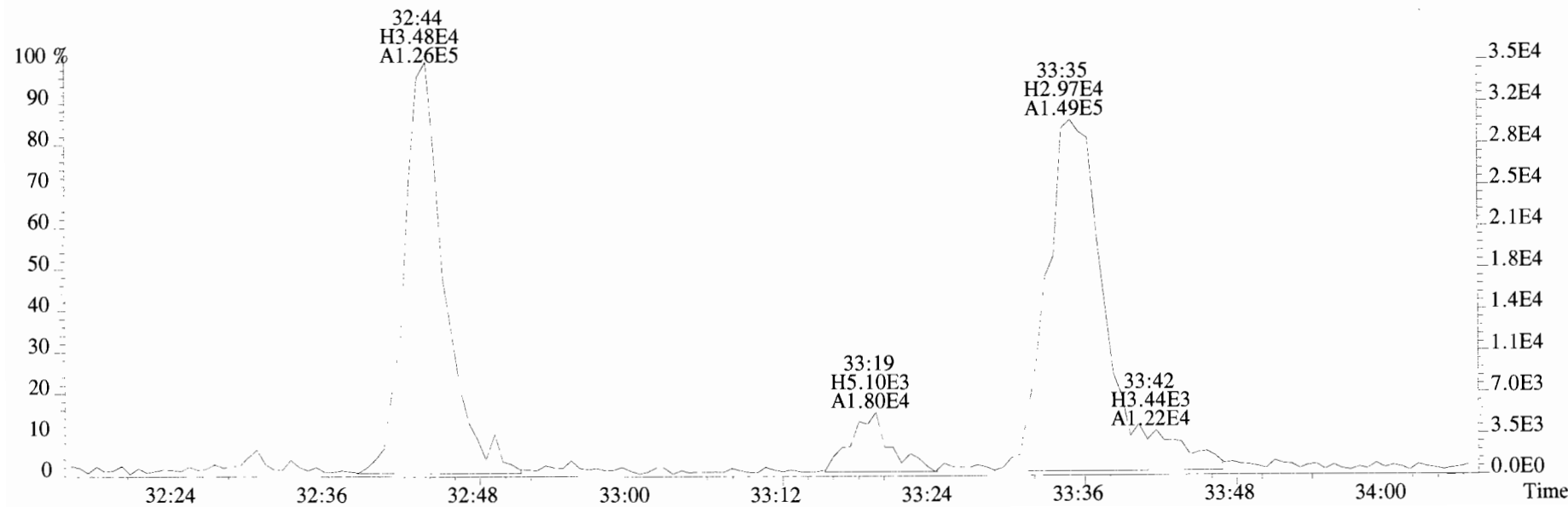
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



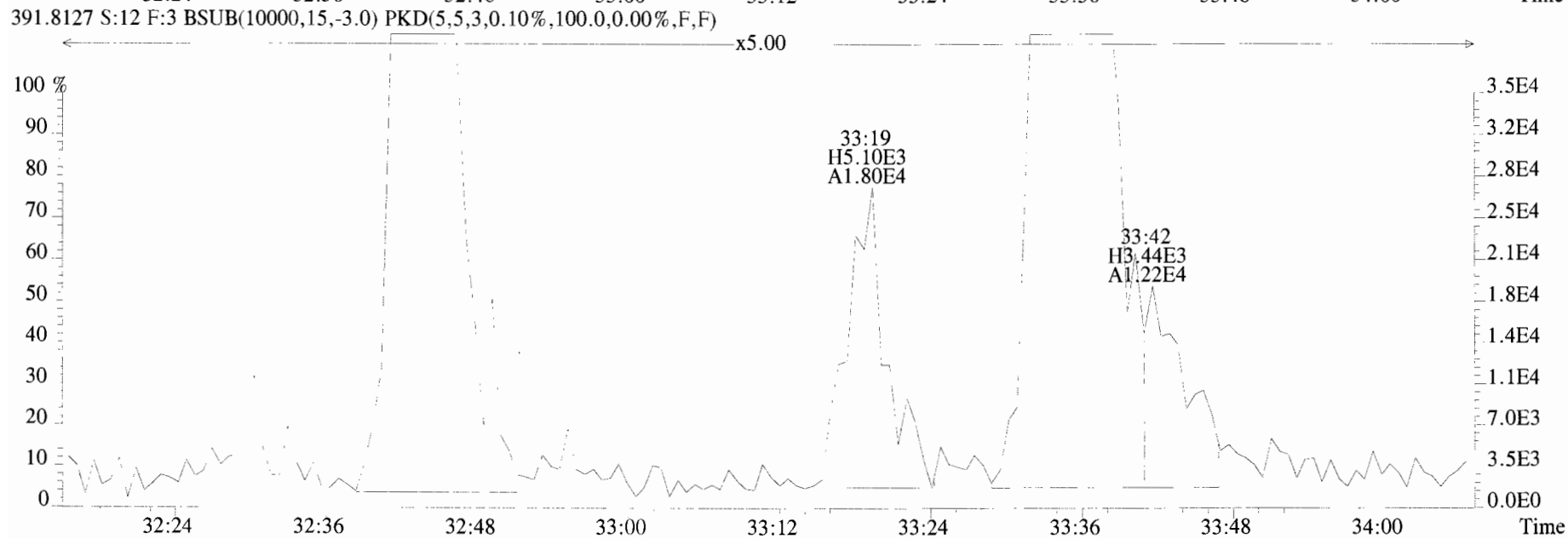
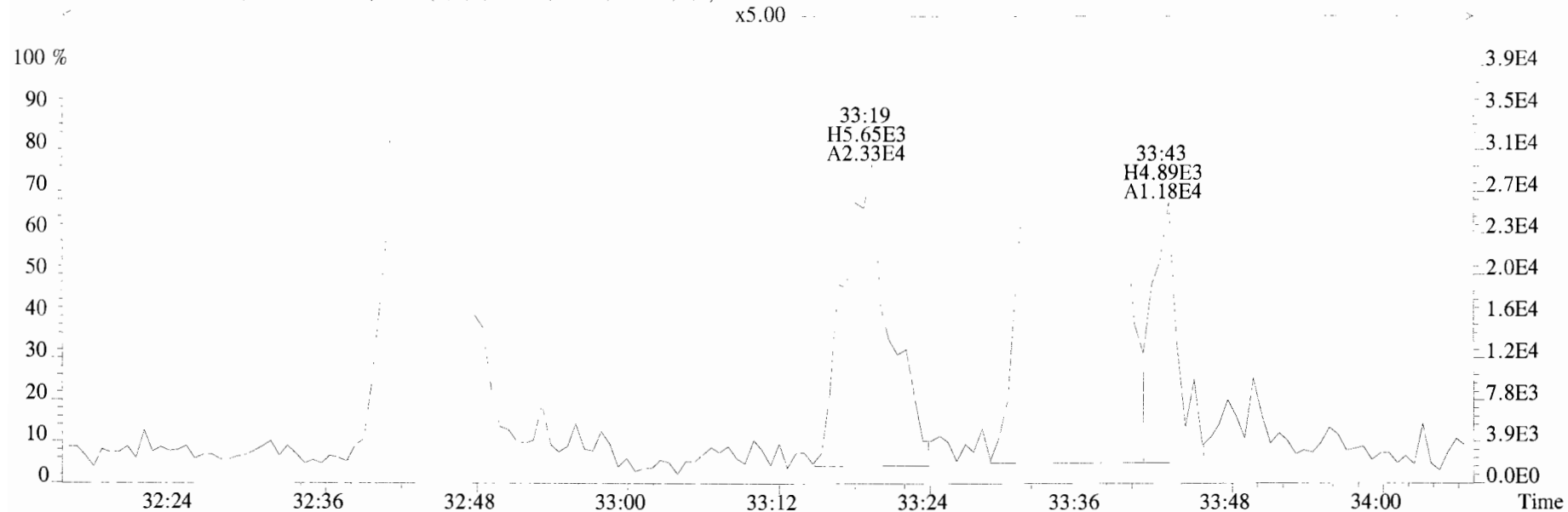
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



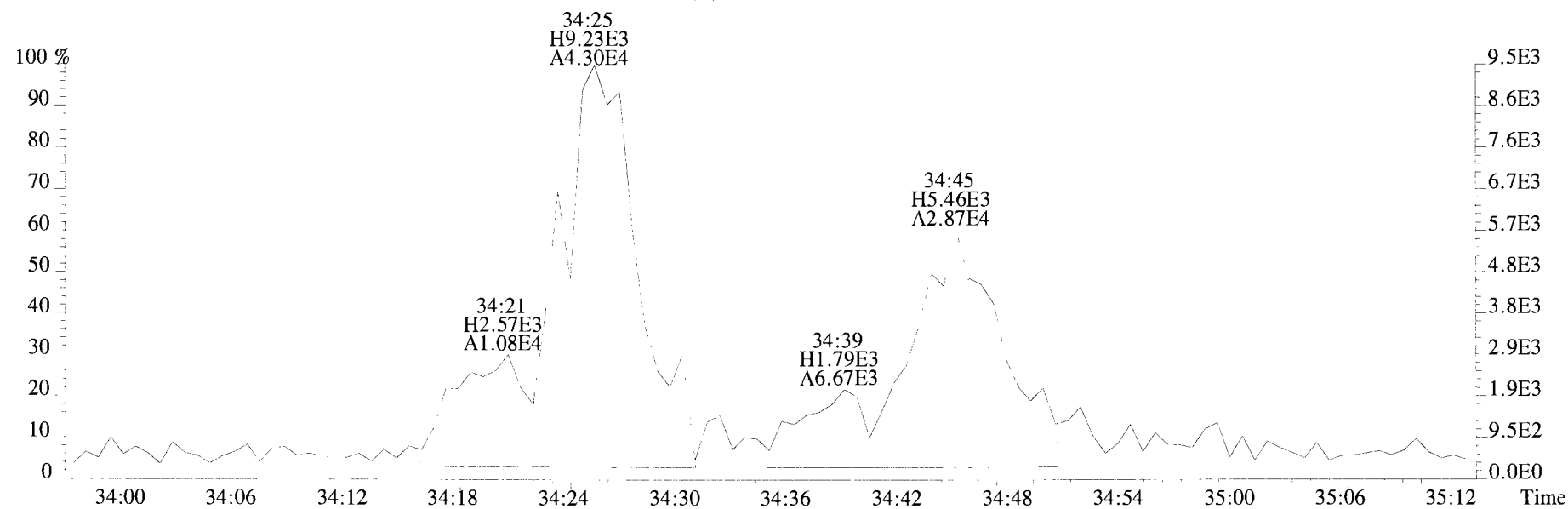
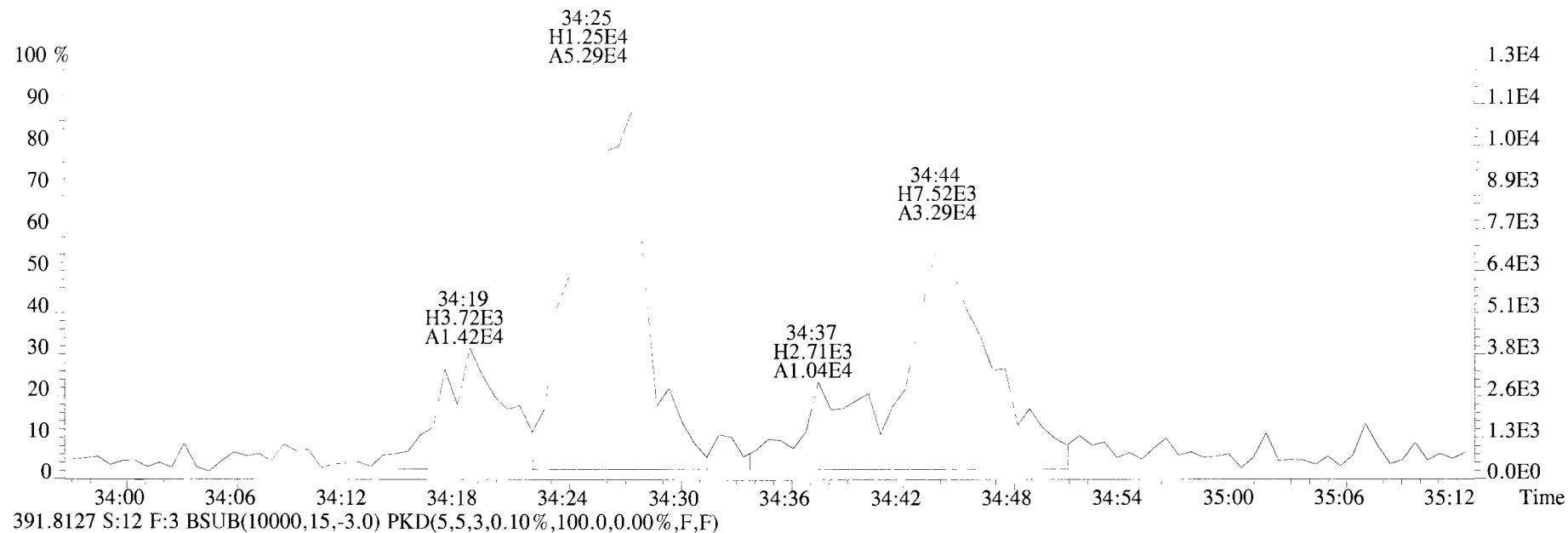
391.8127 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



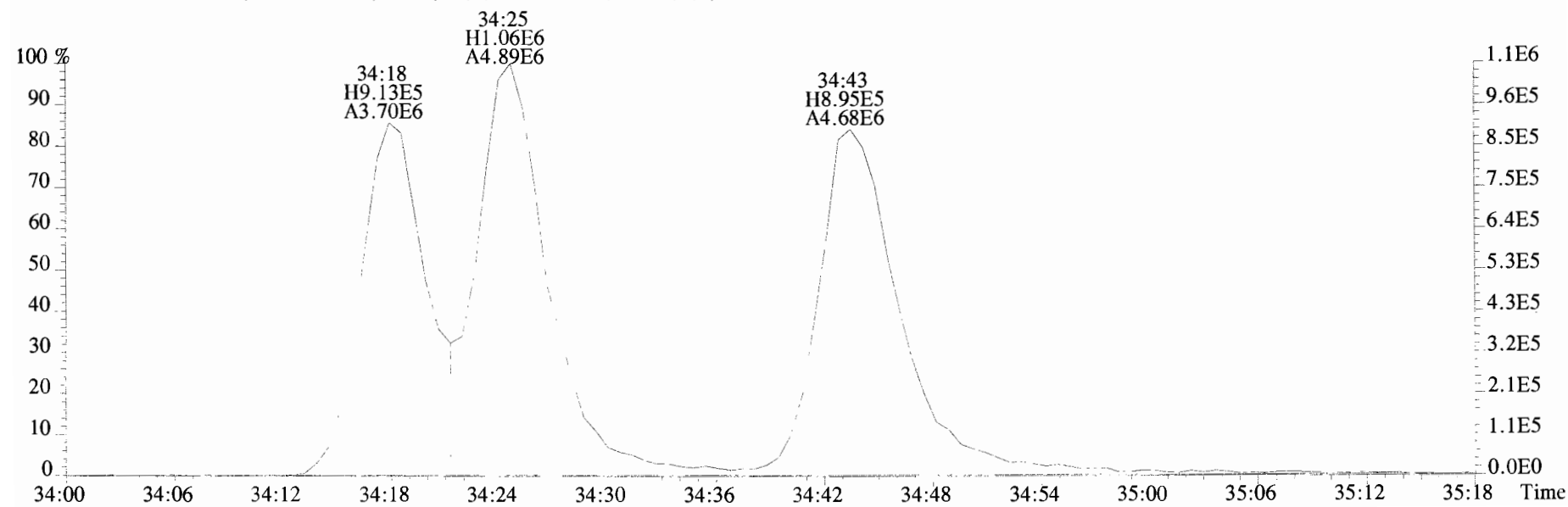
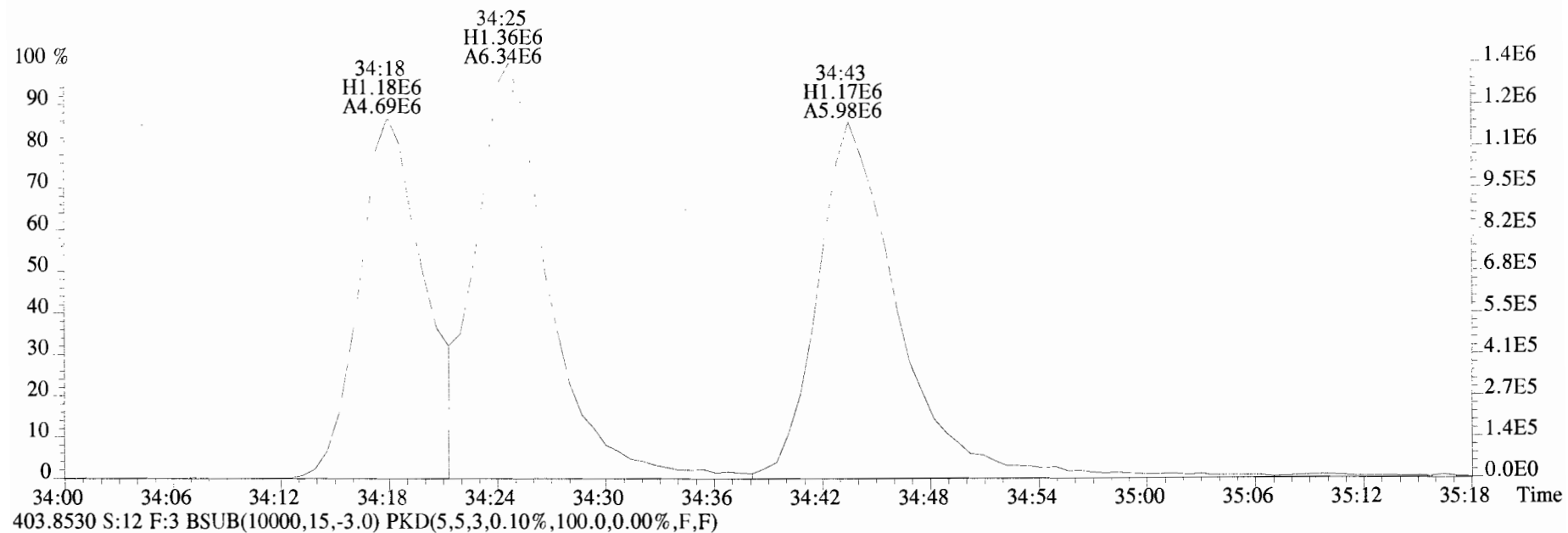
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



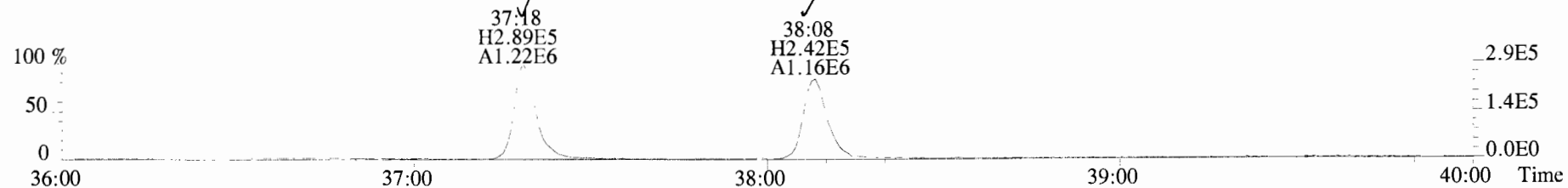
File: 191011D2 #1-354 Acq: 12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista Analytical Laboratory VG7 Text: 1903285-04 PDI-022SG-00-01-190924 17 Exp: OCDD_DB5
389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



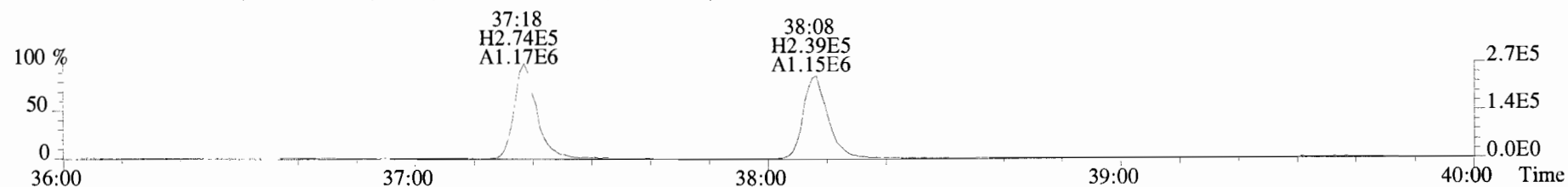
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



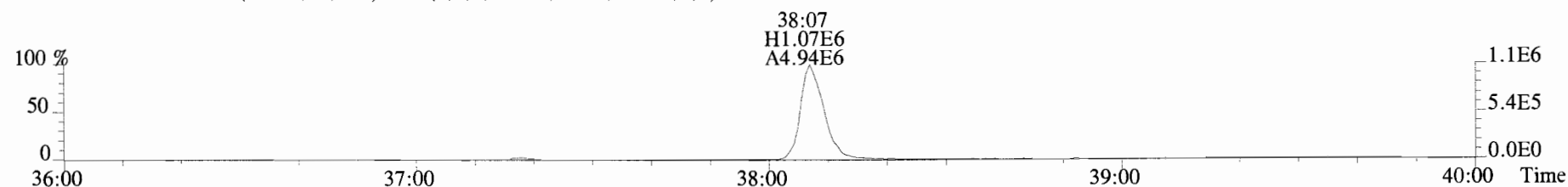
File:191011D2 #1-356 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
423.7767 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



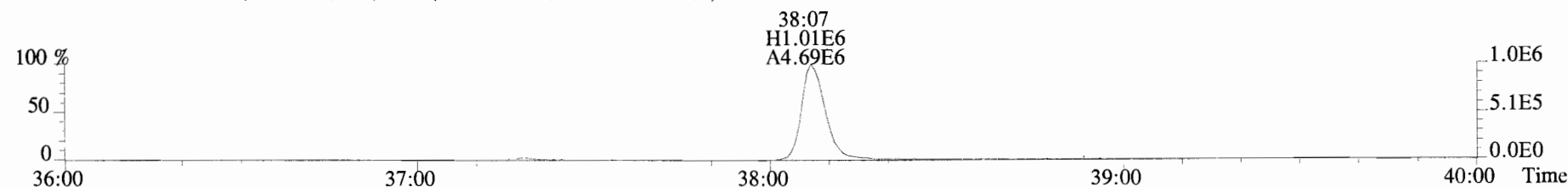
425.7737 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



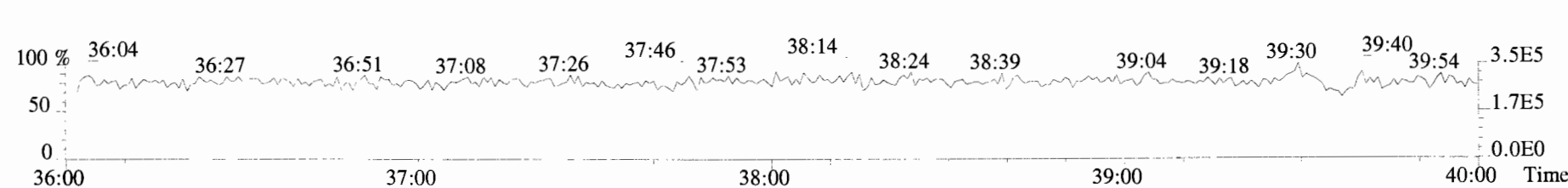
435.8169 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



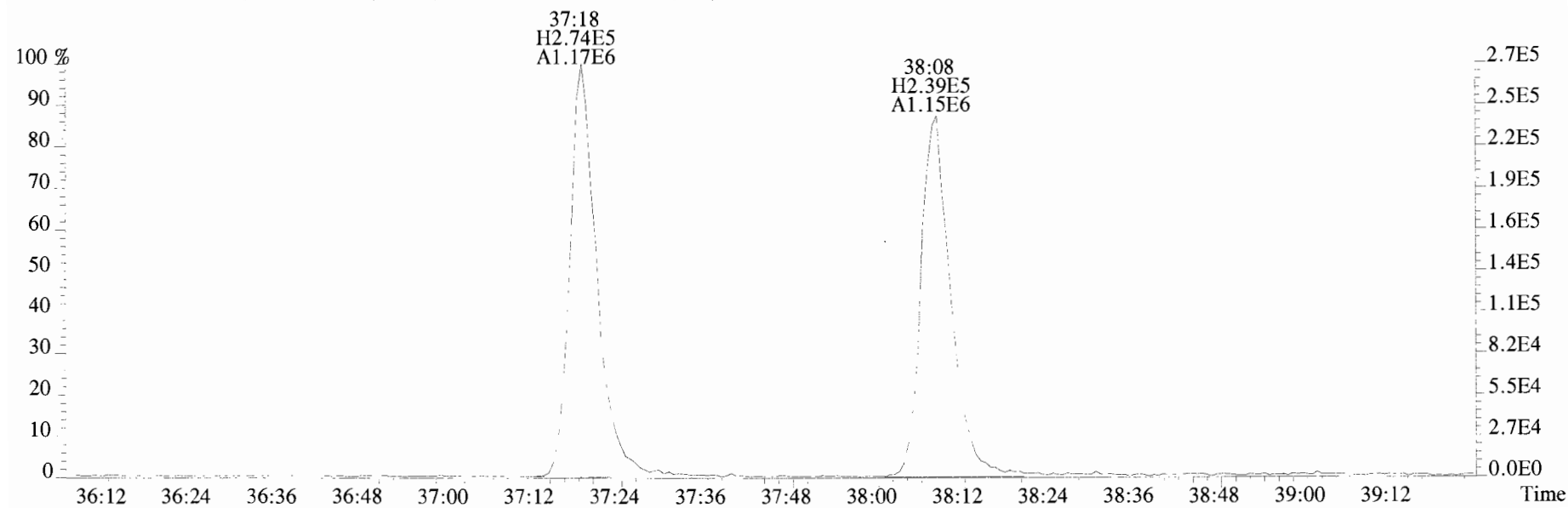
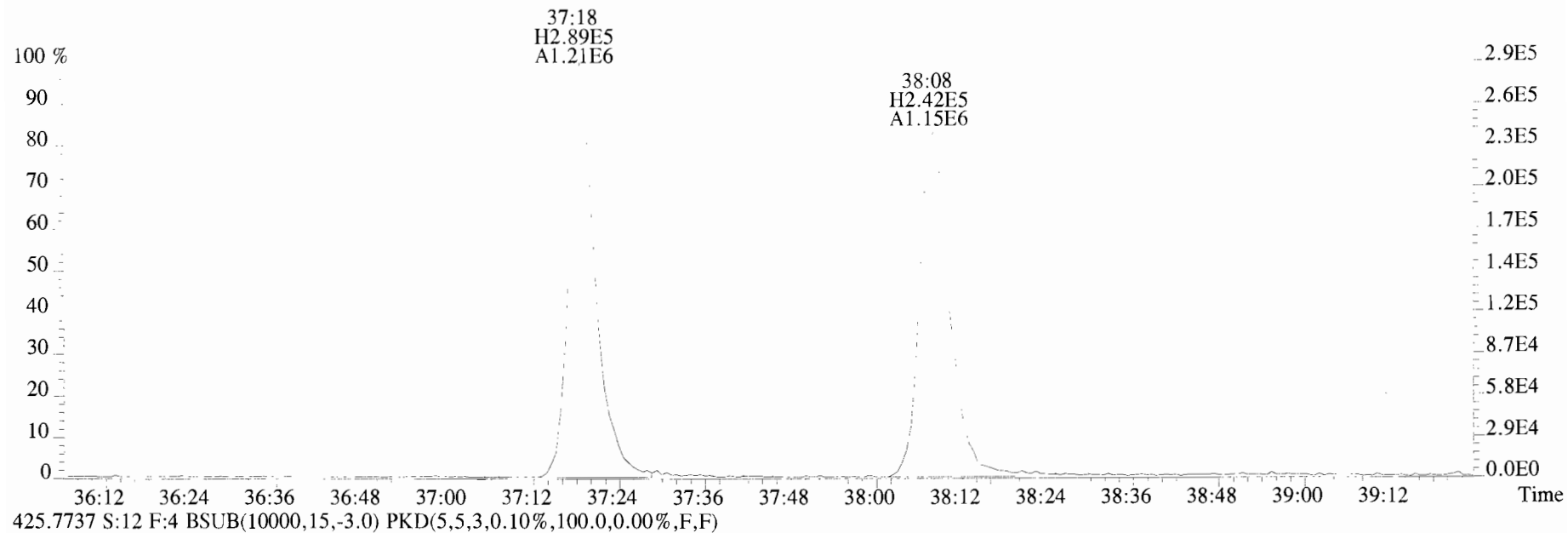
437.8140 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



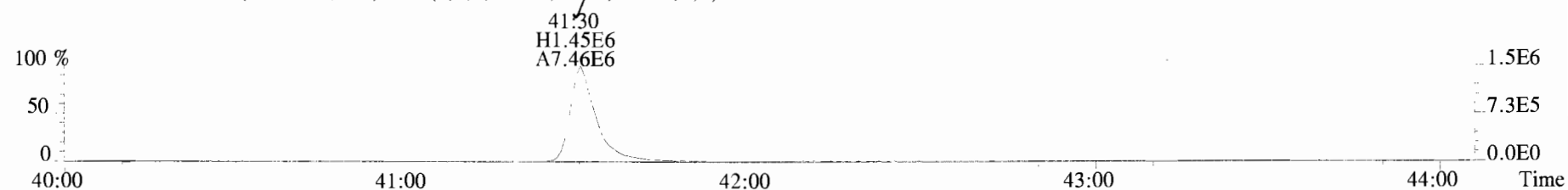
454.9728 S:12 F:4



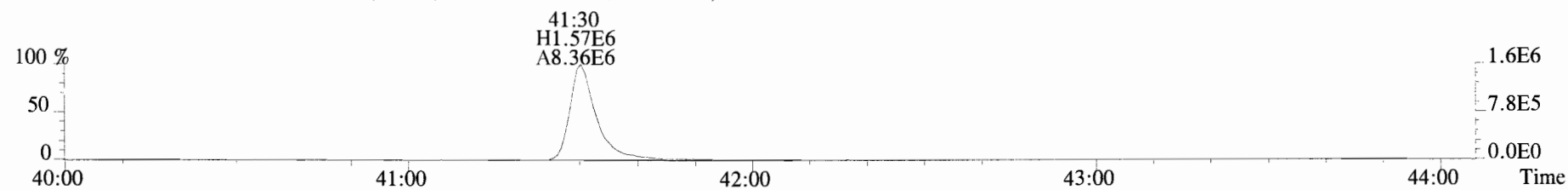
File:191011D2 #1-356 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
423.7767 S:12 F:4 BSub(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



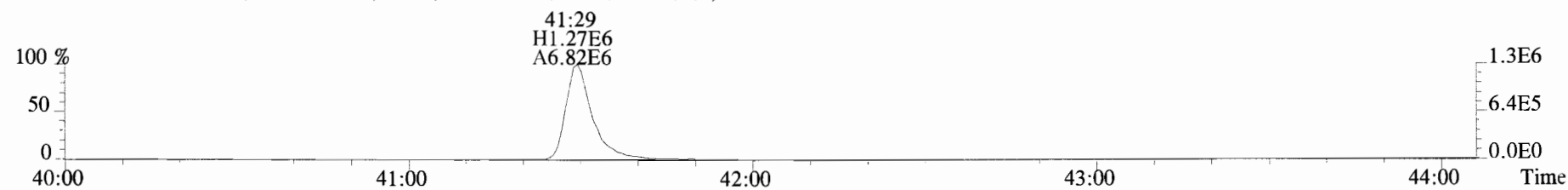
File:191011D2 #1-431 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
457.7377 S:12 F:5 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



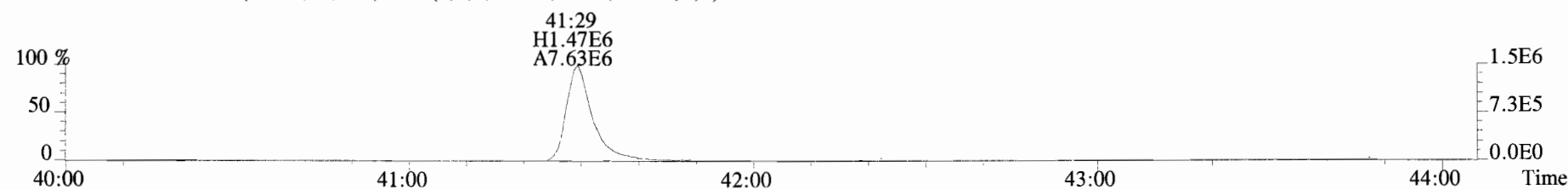
459.7348 S:12 F:5 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



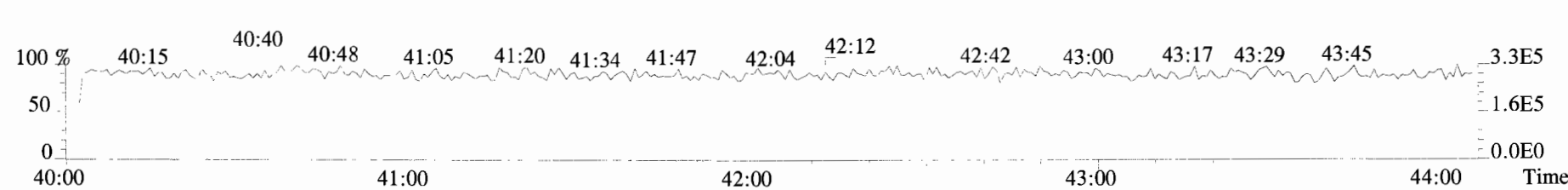
469.7780 S:12 F:5 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



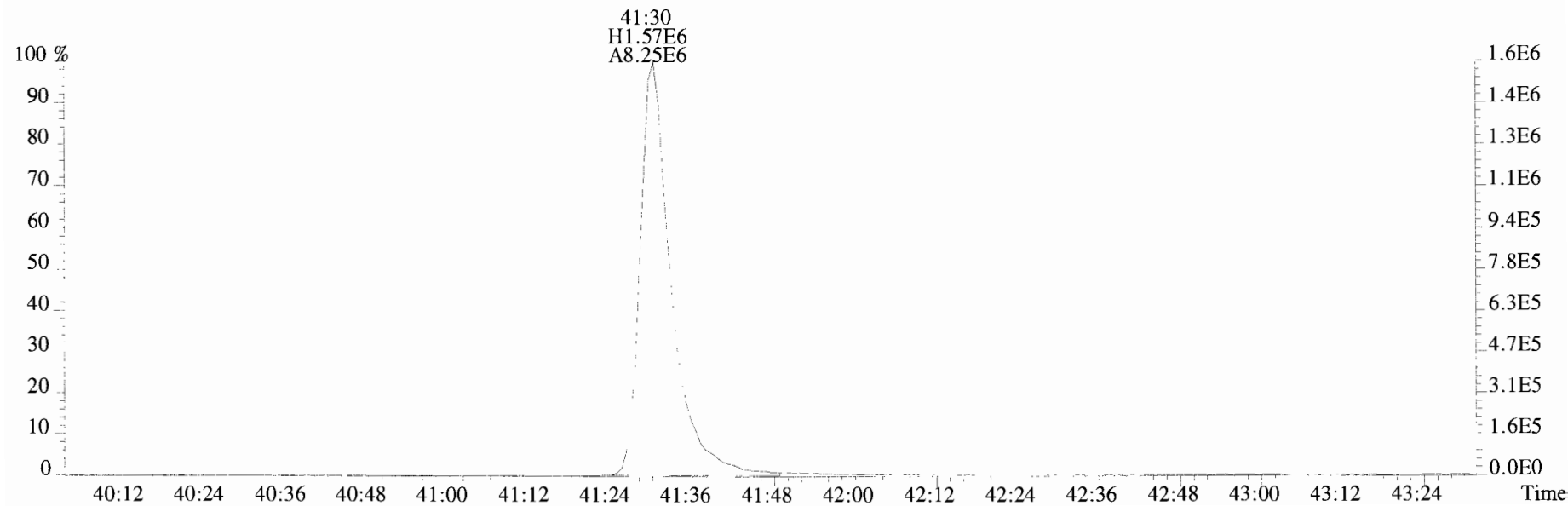
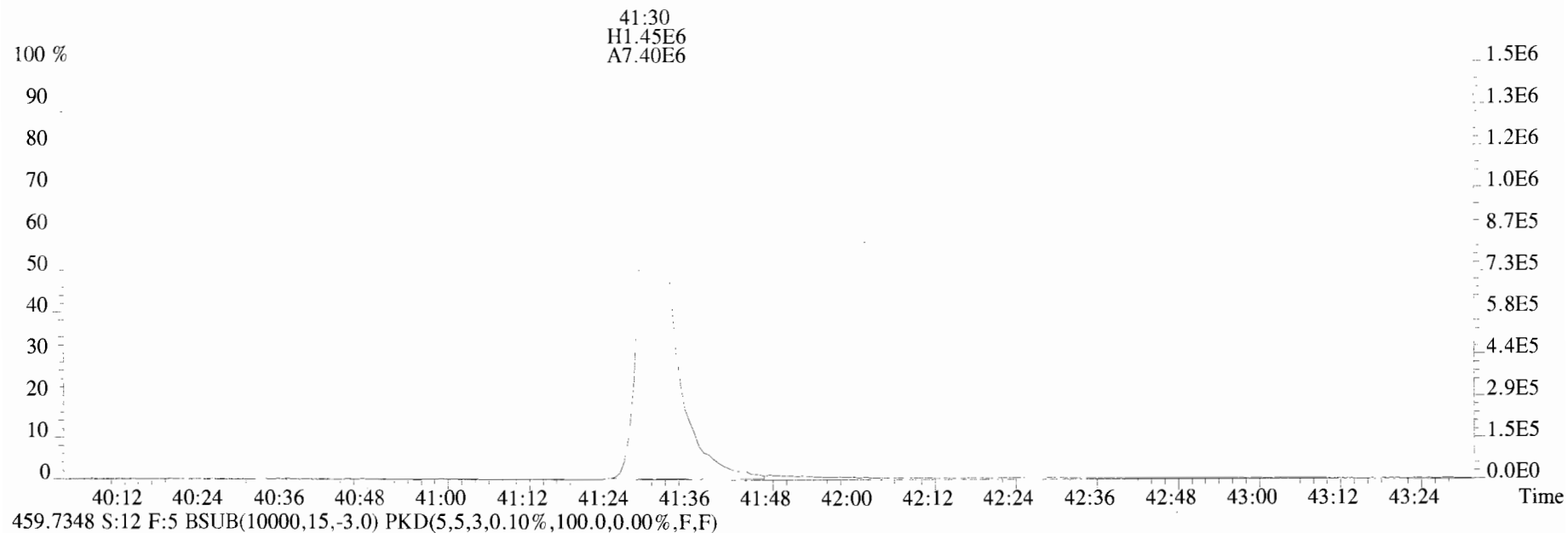
471.7750 S:12 F:5 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



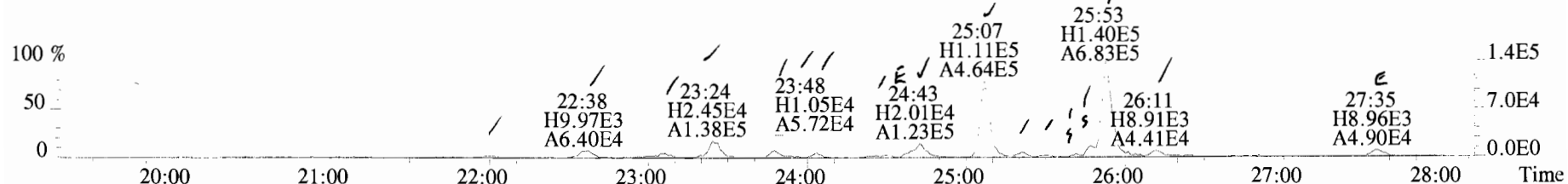
454.9728 S:12 F:5



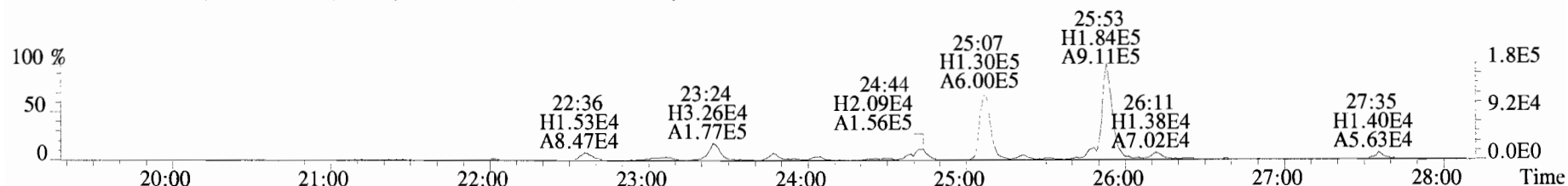
File:191011D2 #1-431 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



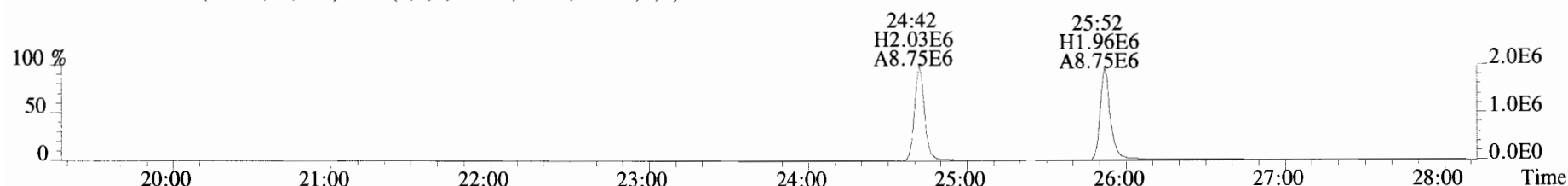
File: 191011D2 #1-514 Acq: 12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text: Vista_Analytical_Laboratory_VG7 Text: 1903285-04 PDI-022SG-00-01-190924 17 Exp: OCDD_DB5
 303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



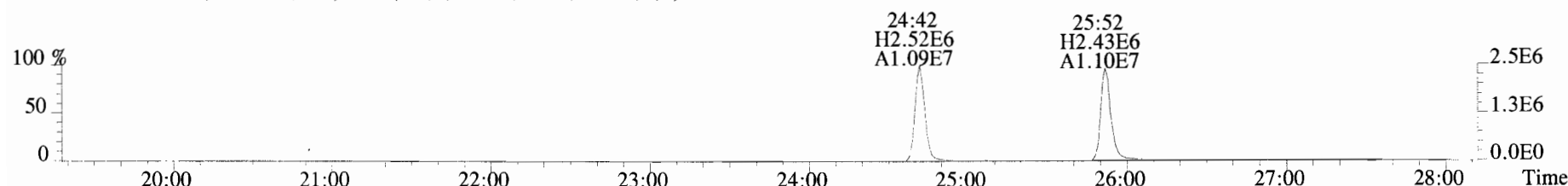
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



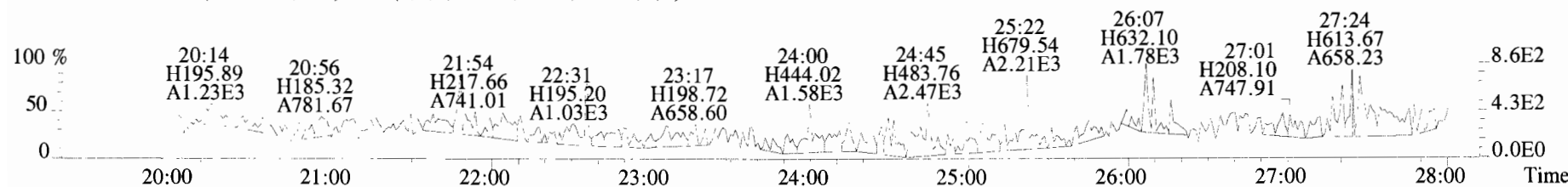
315.9419 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



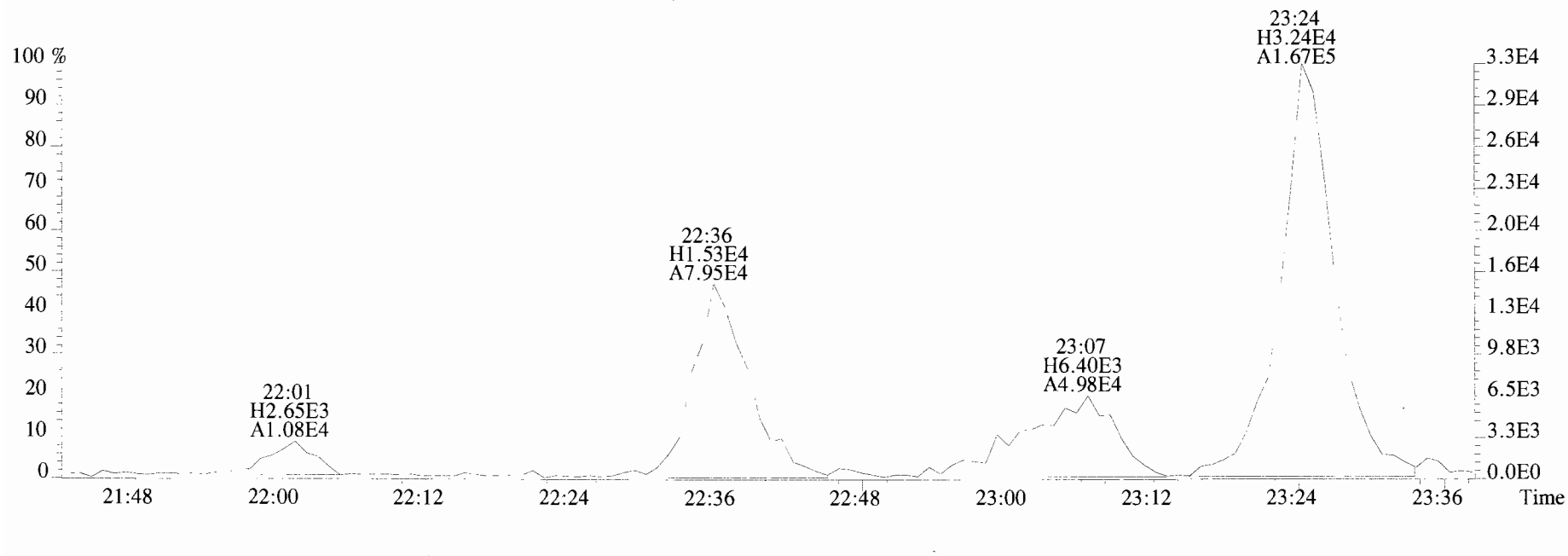
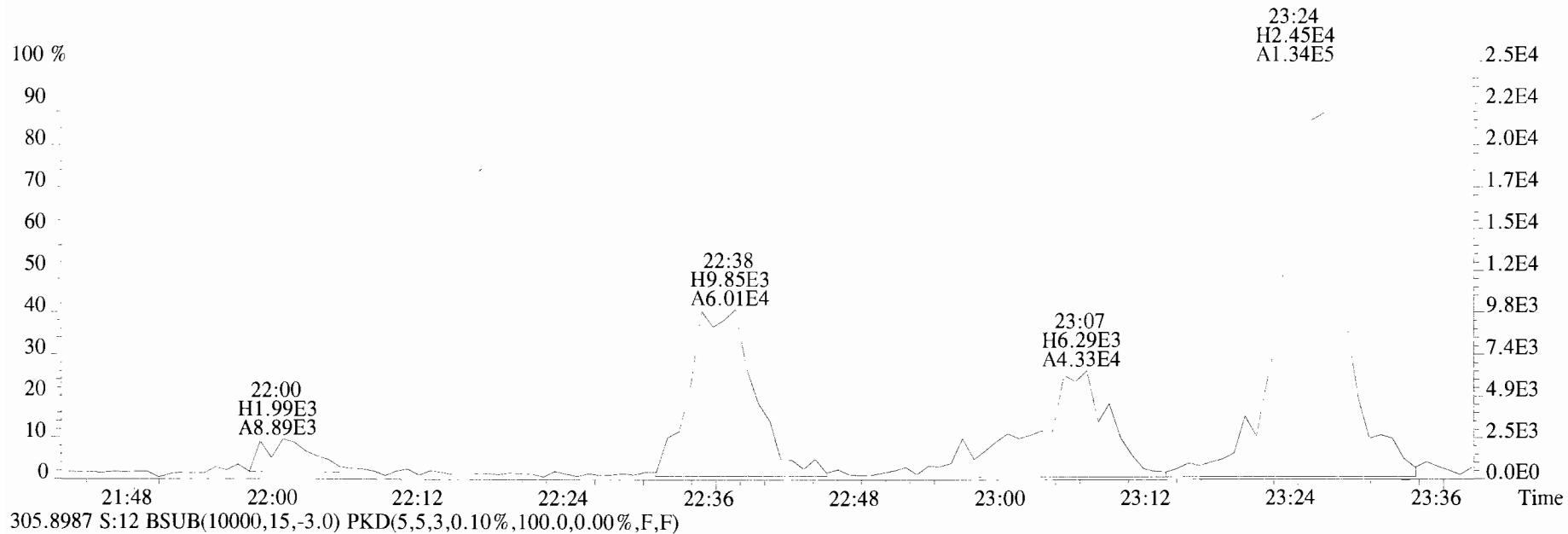
317.9389 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



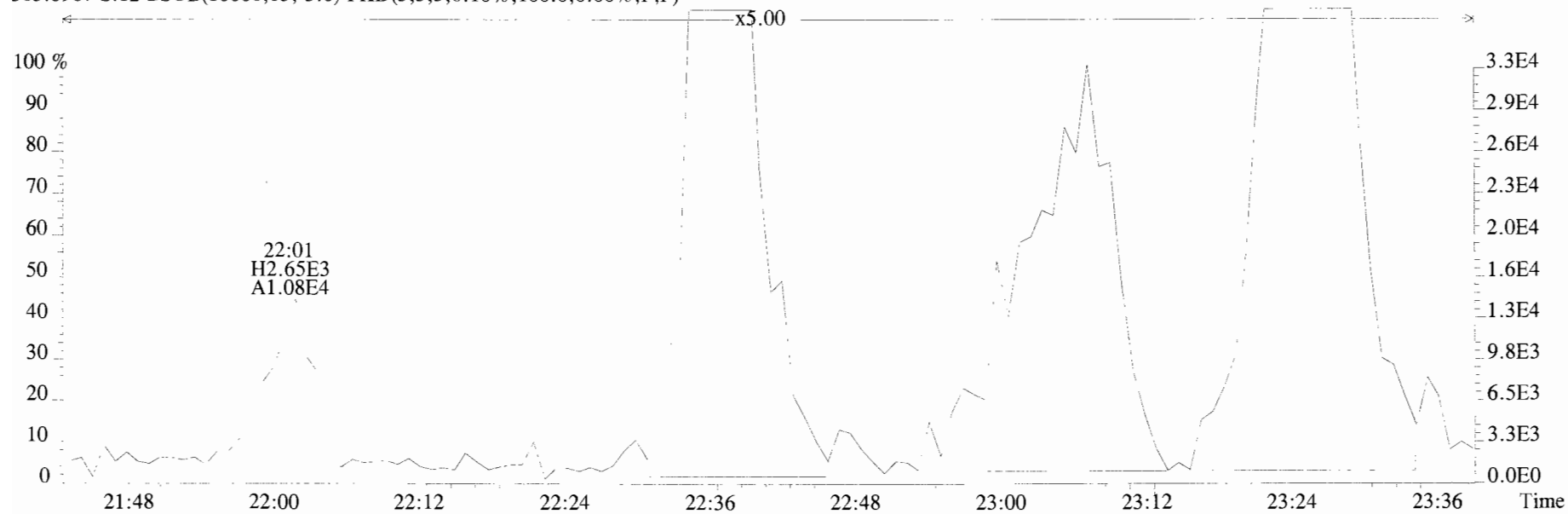
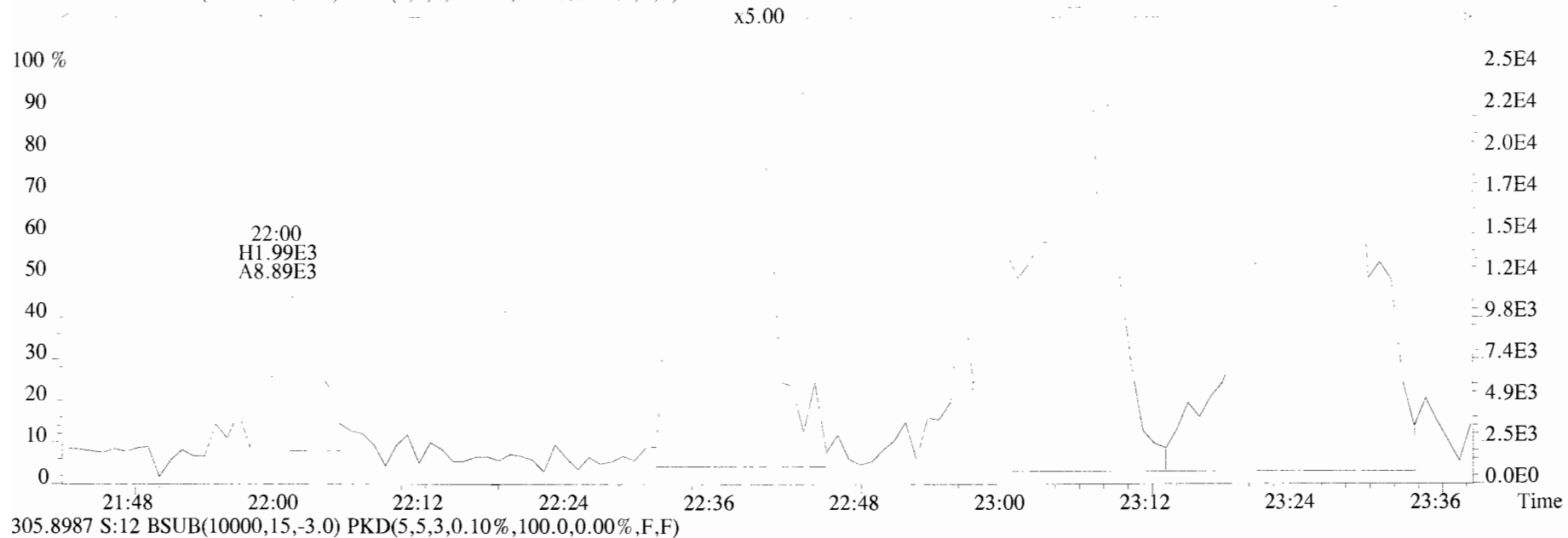
375.8364 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



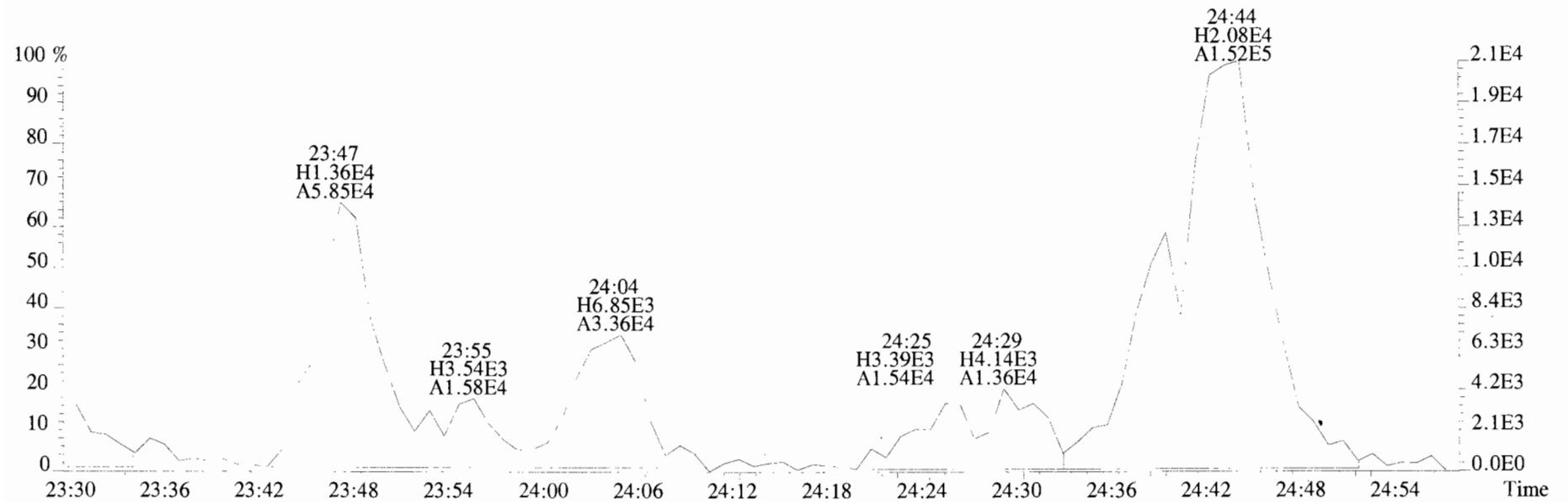
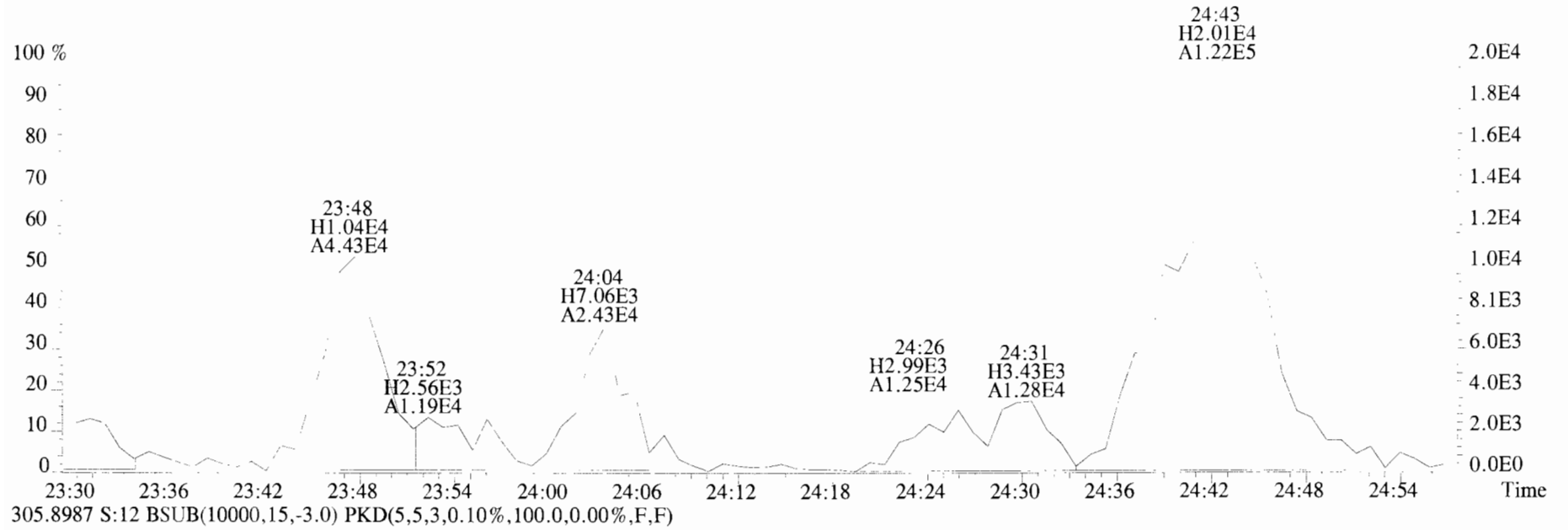
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F)



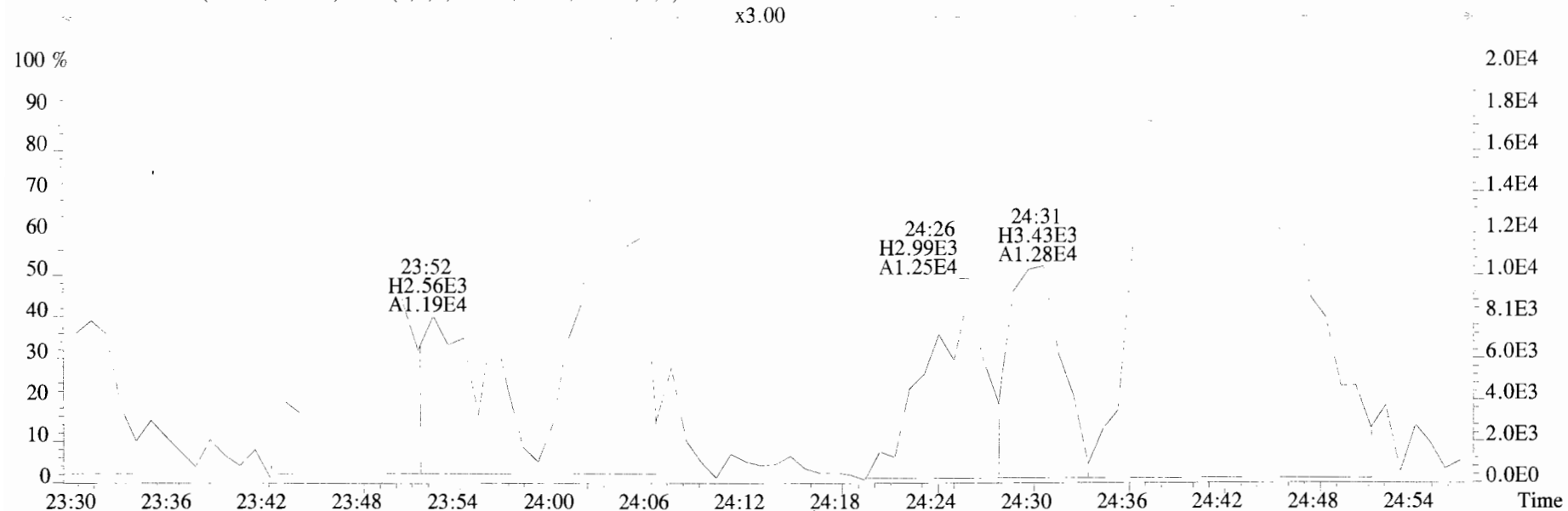
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



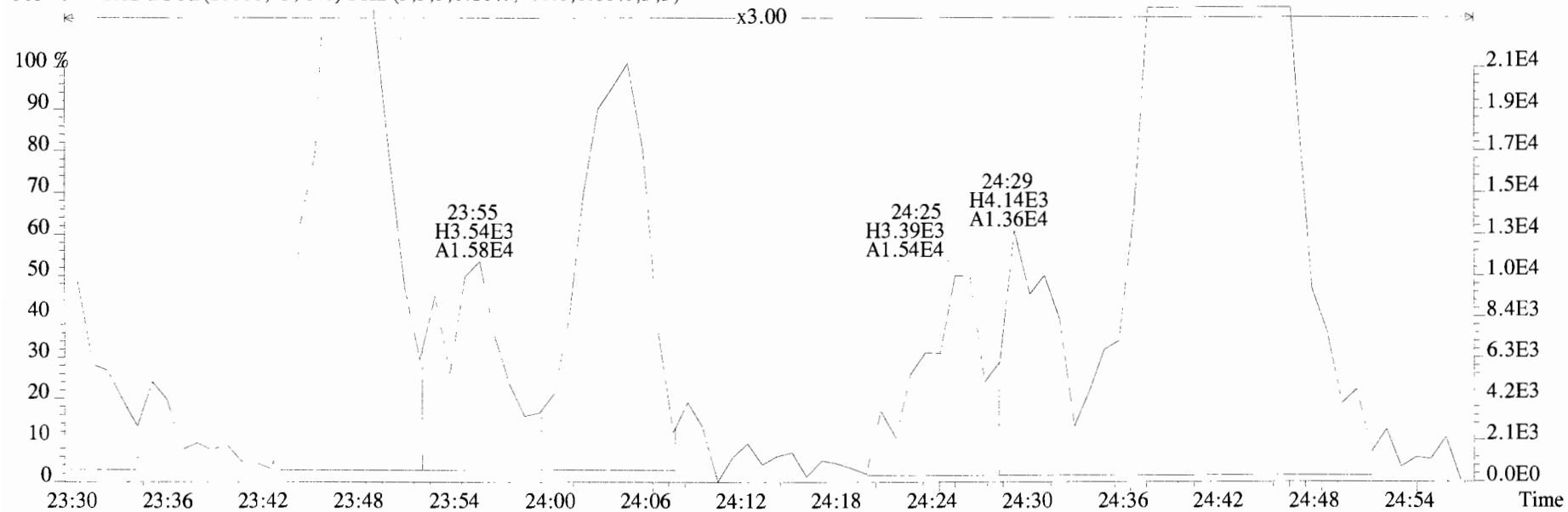
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 303.9016 S:12 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



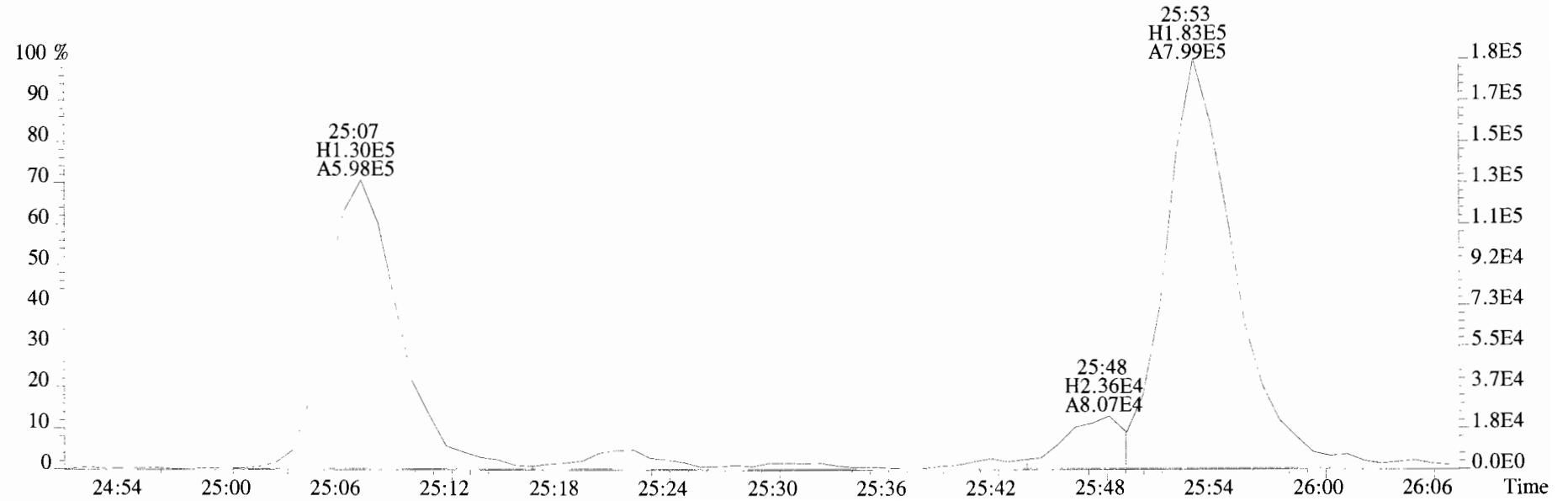
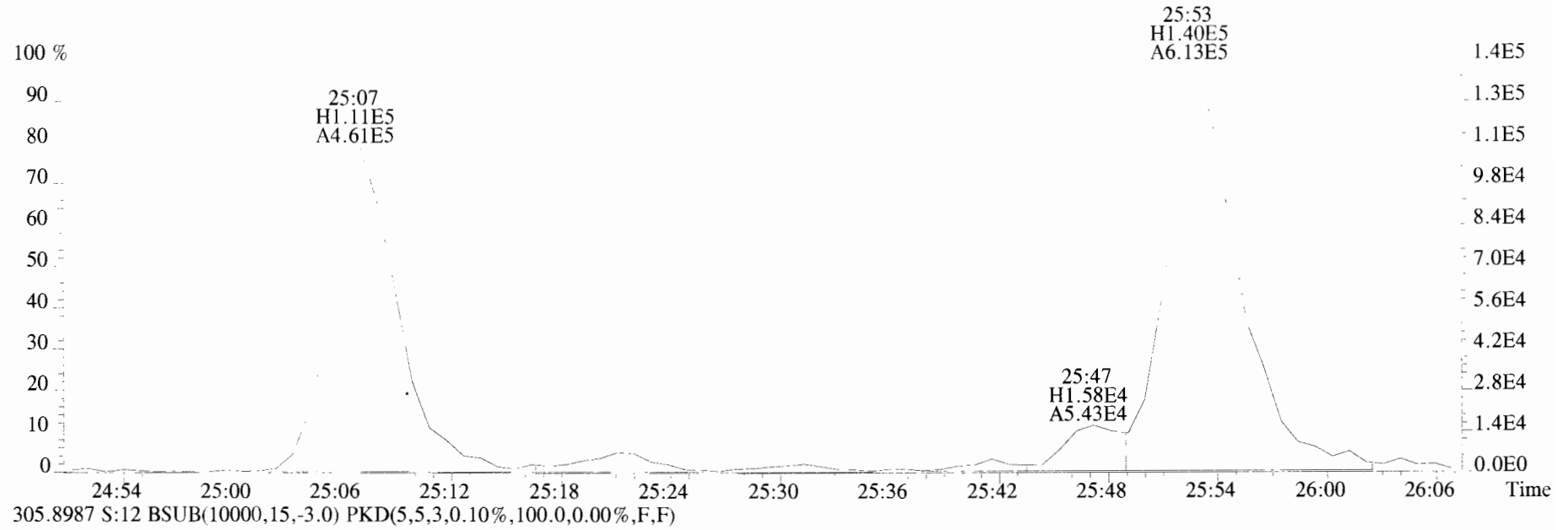
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



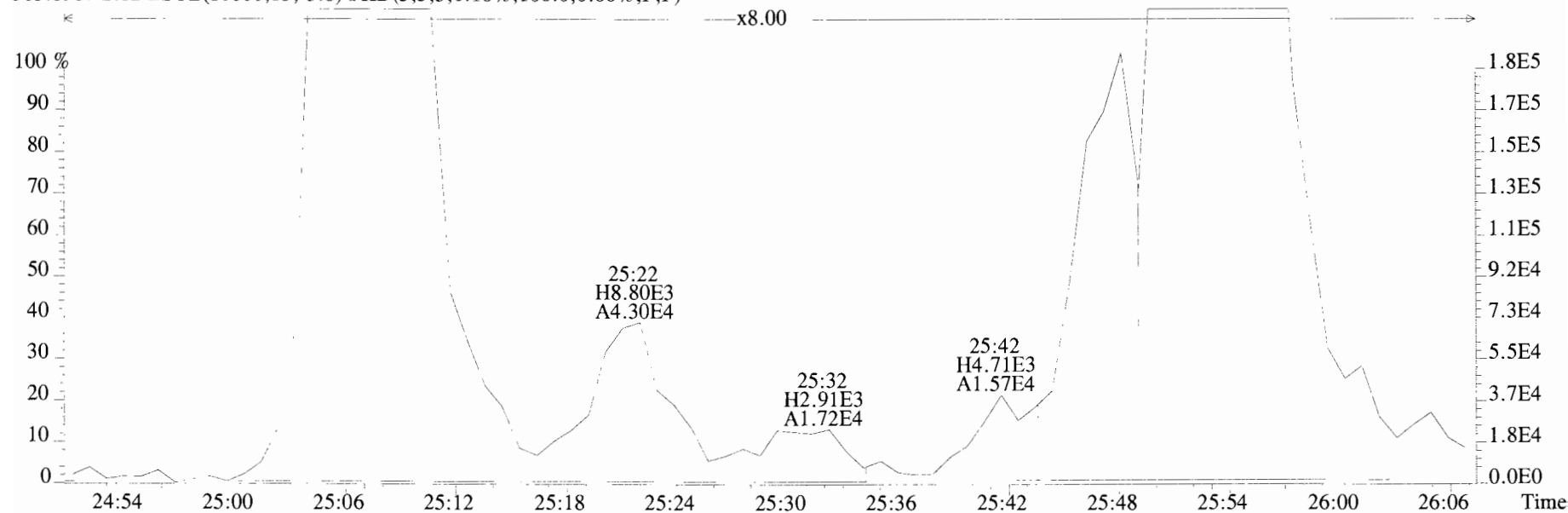
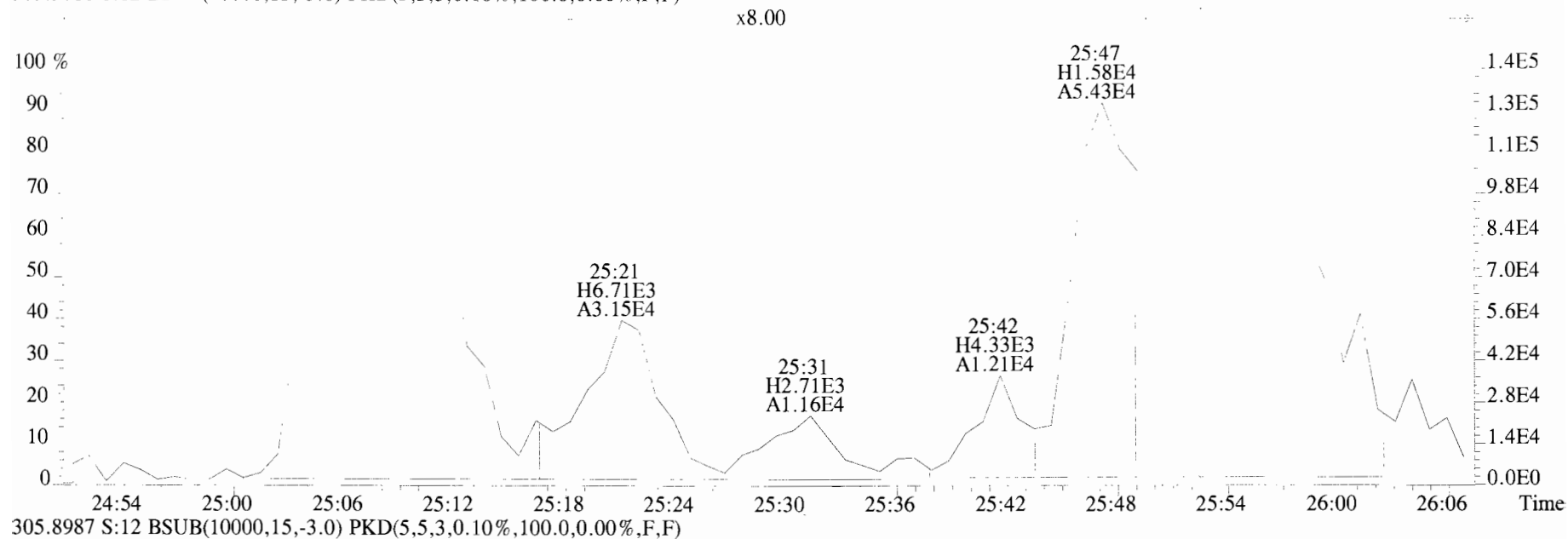
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



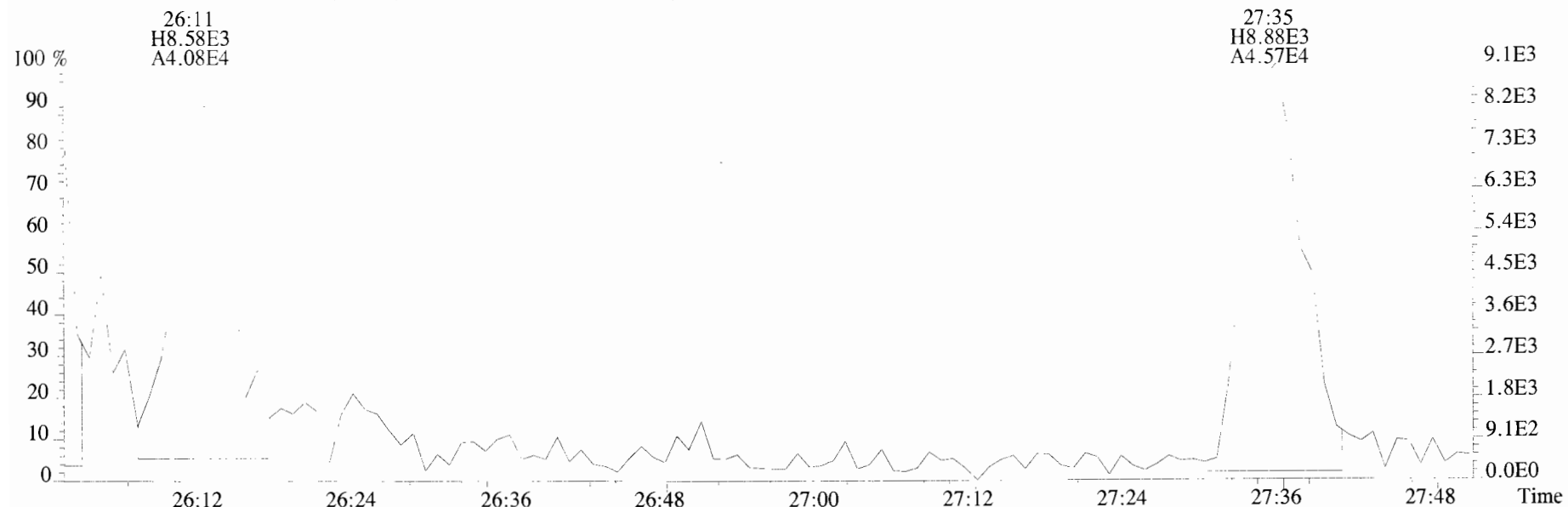
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



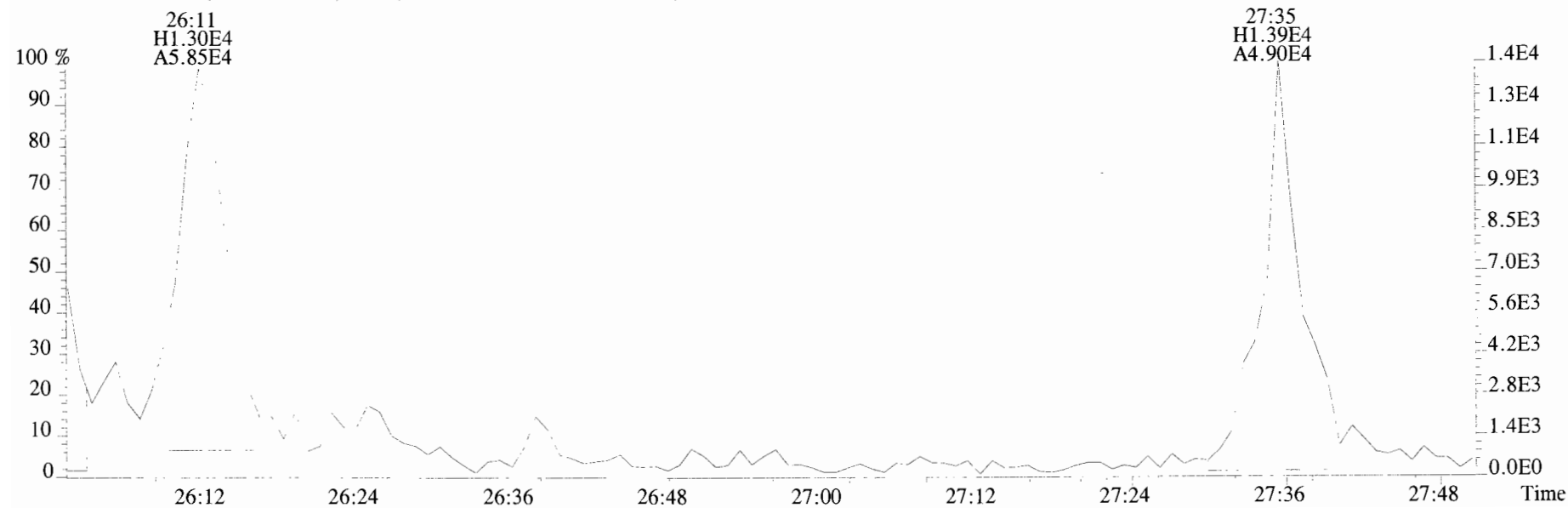
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



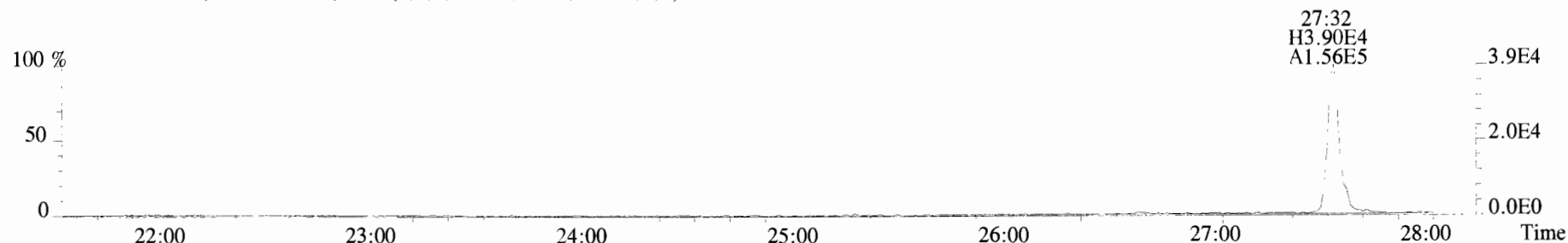
File: 191011D2 #1-514 Acq: 12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista Analytical Laboratory VG7 Text: 1903285-04 PDI-022SG-00-01-190924 17 Exp: OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



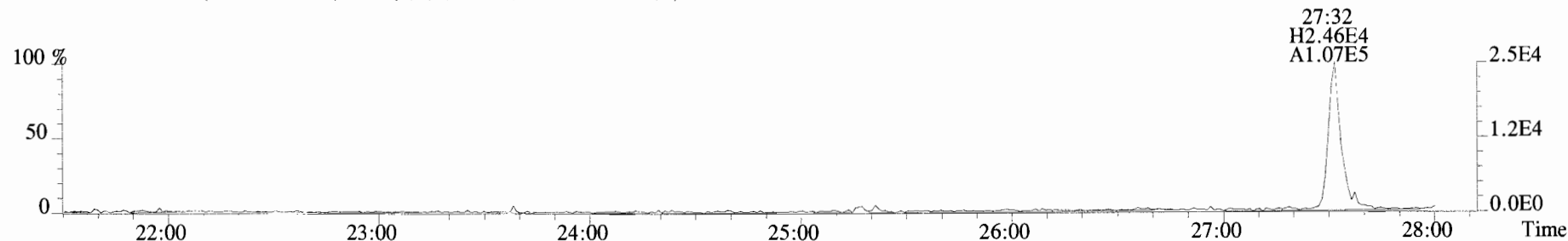
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



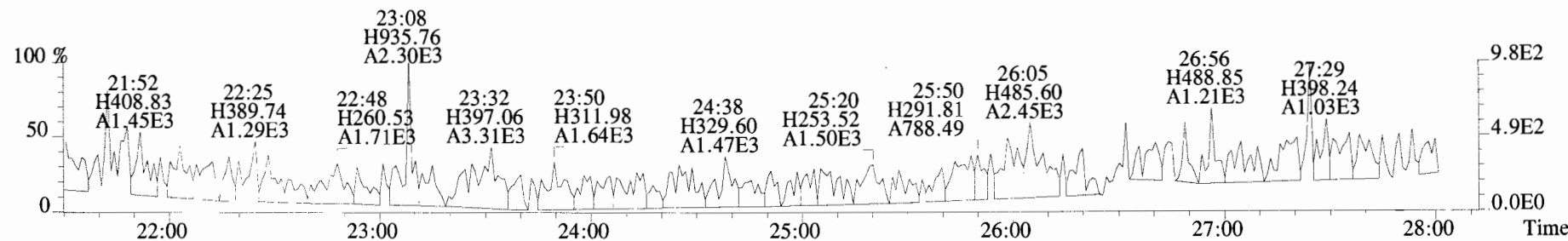
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 339.8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



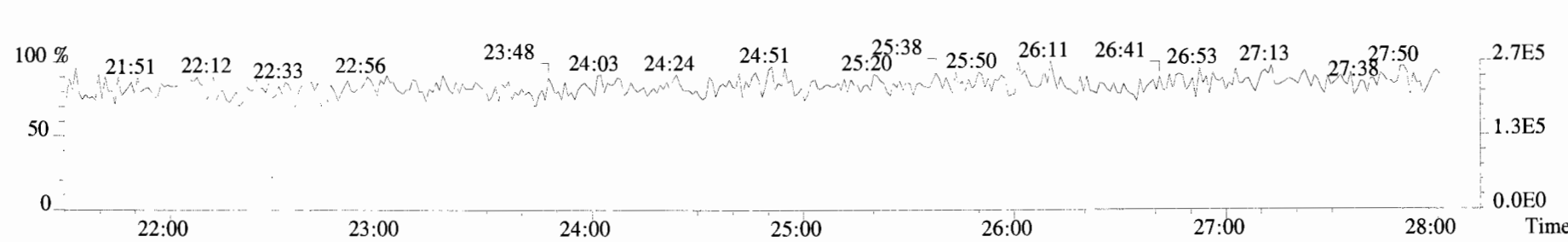
341.8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



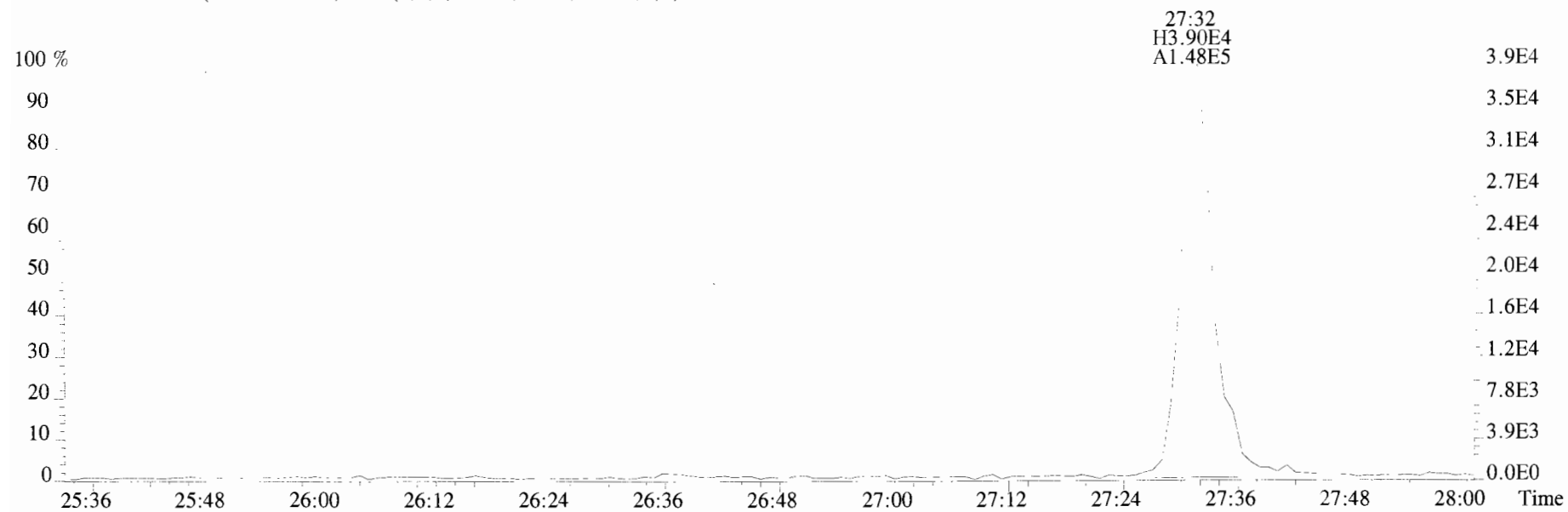
409.7974 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



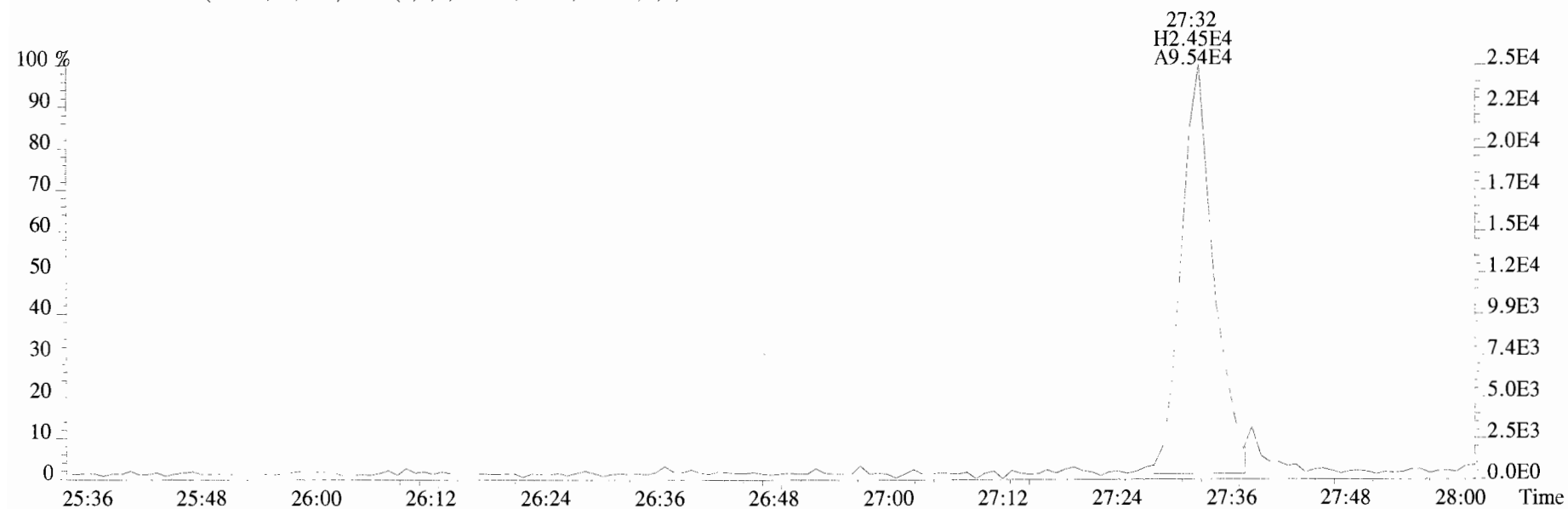
316.9824 S:12



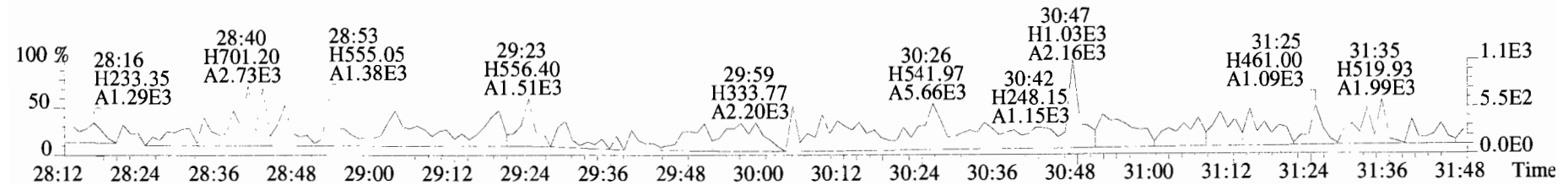
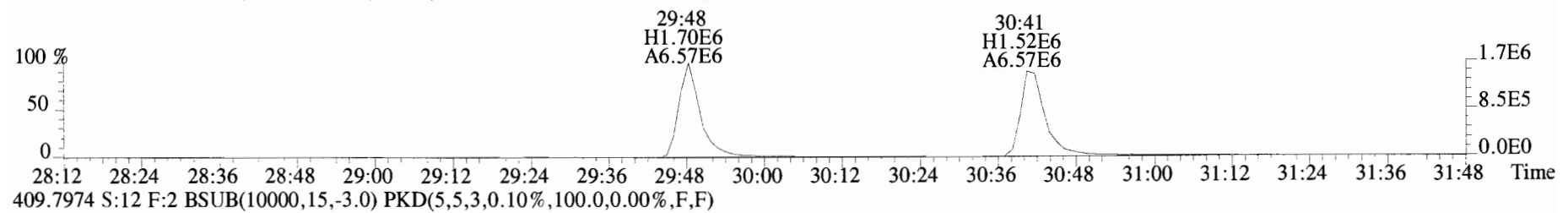
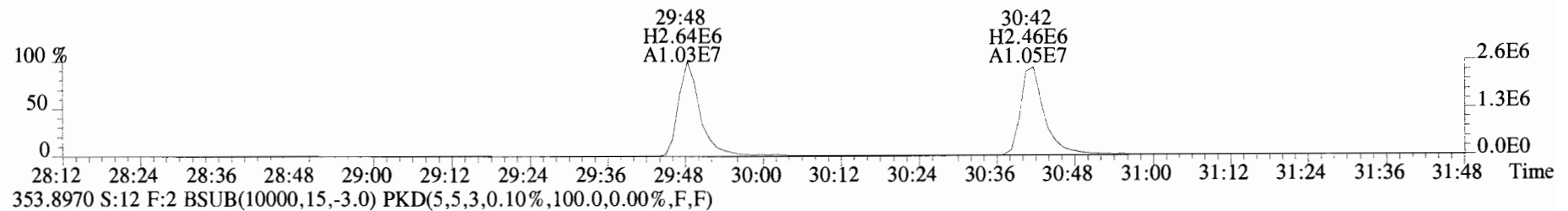
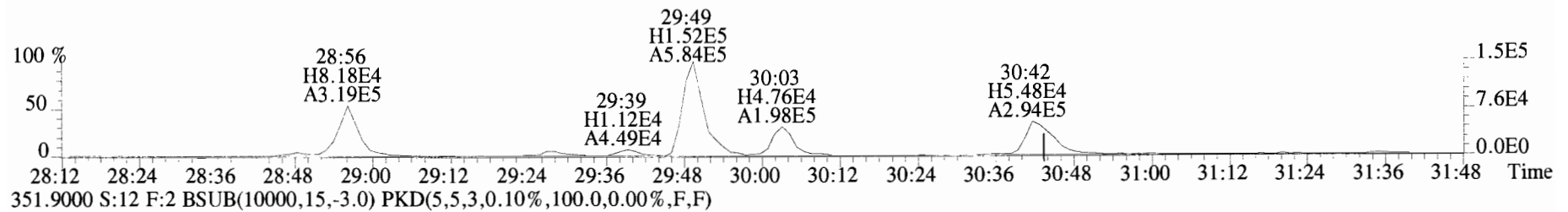
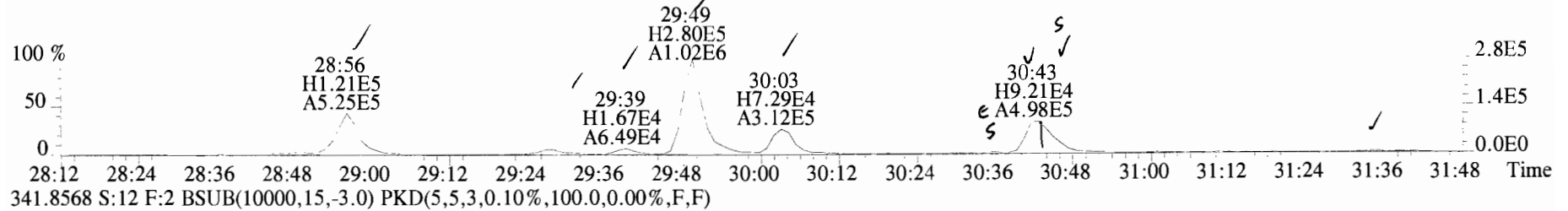
File:191011D2 #1-514 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
339.8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



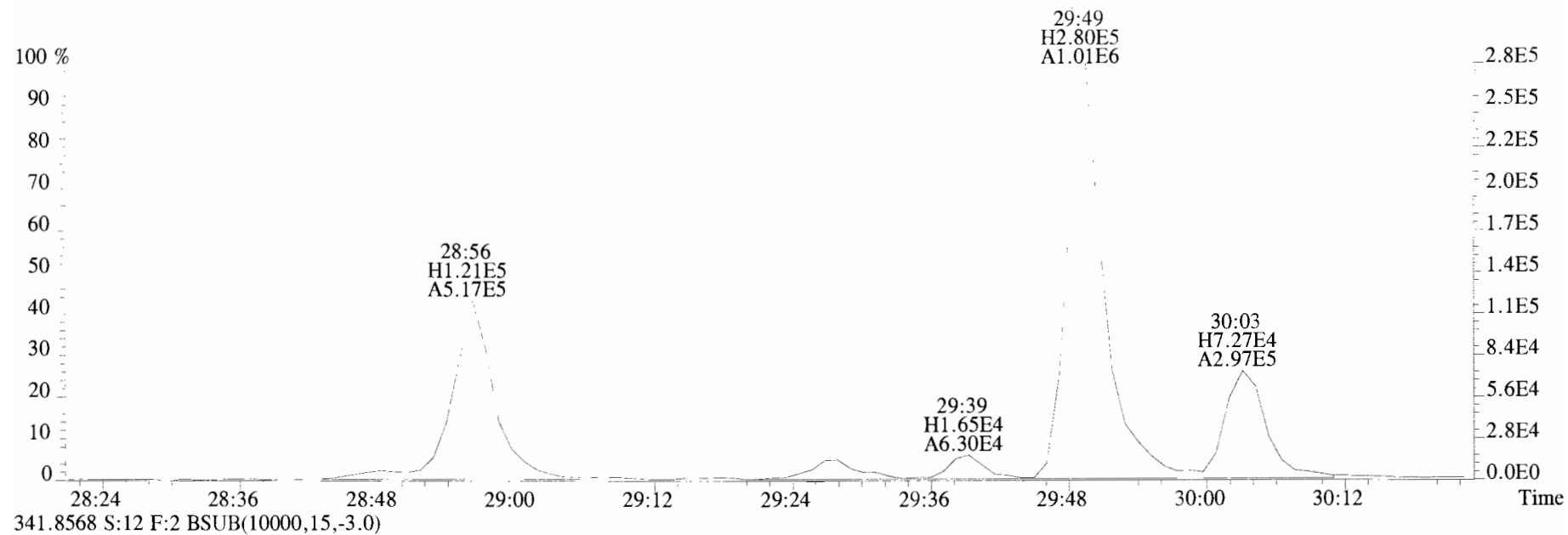
341.8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



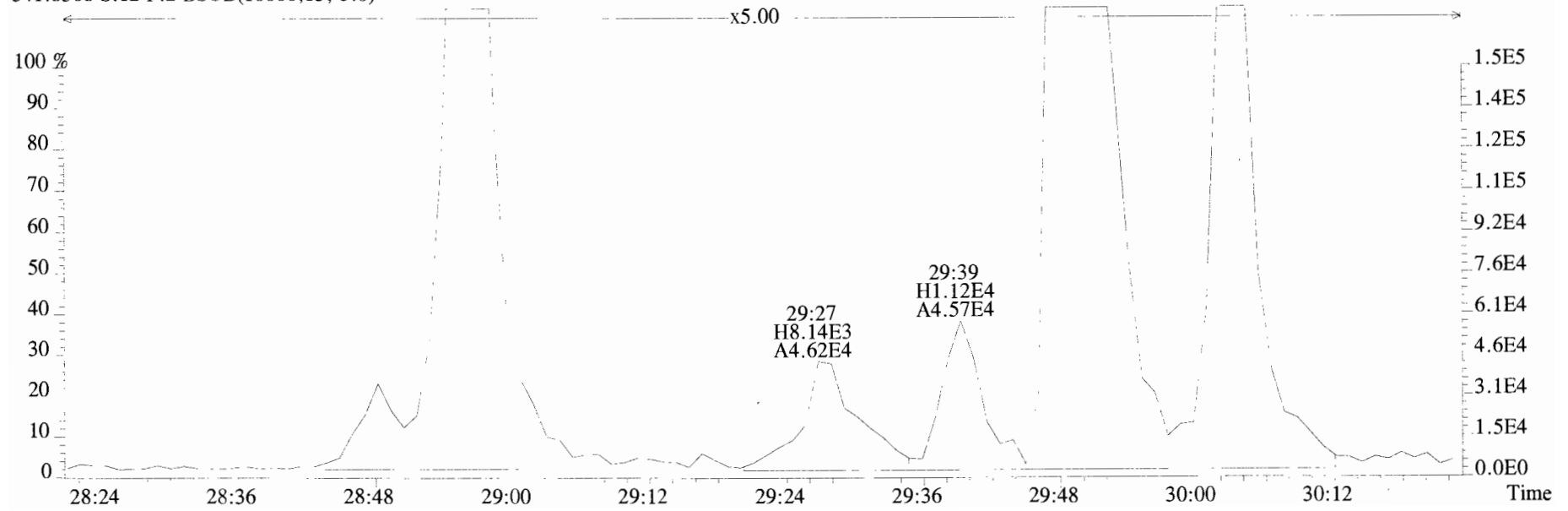
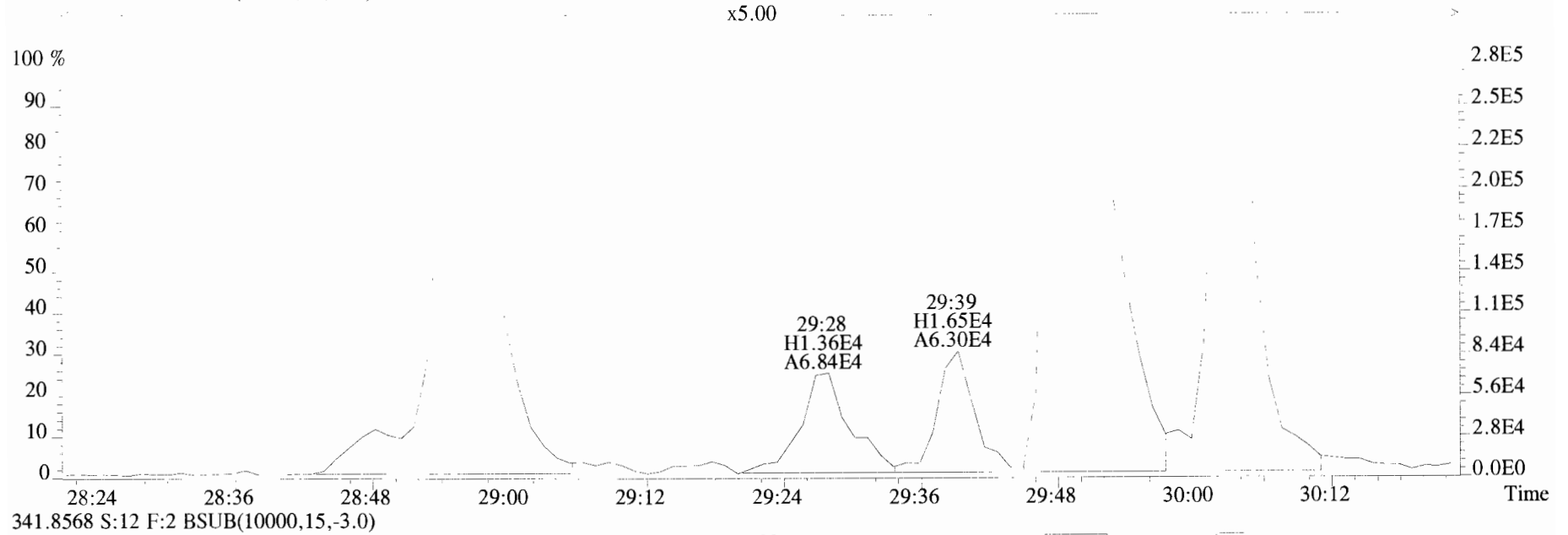
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



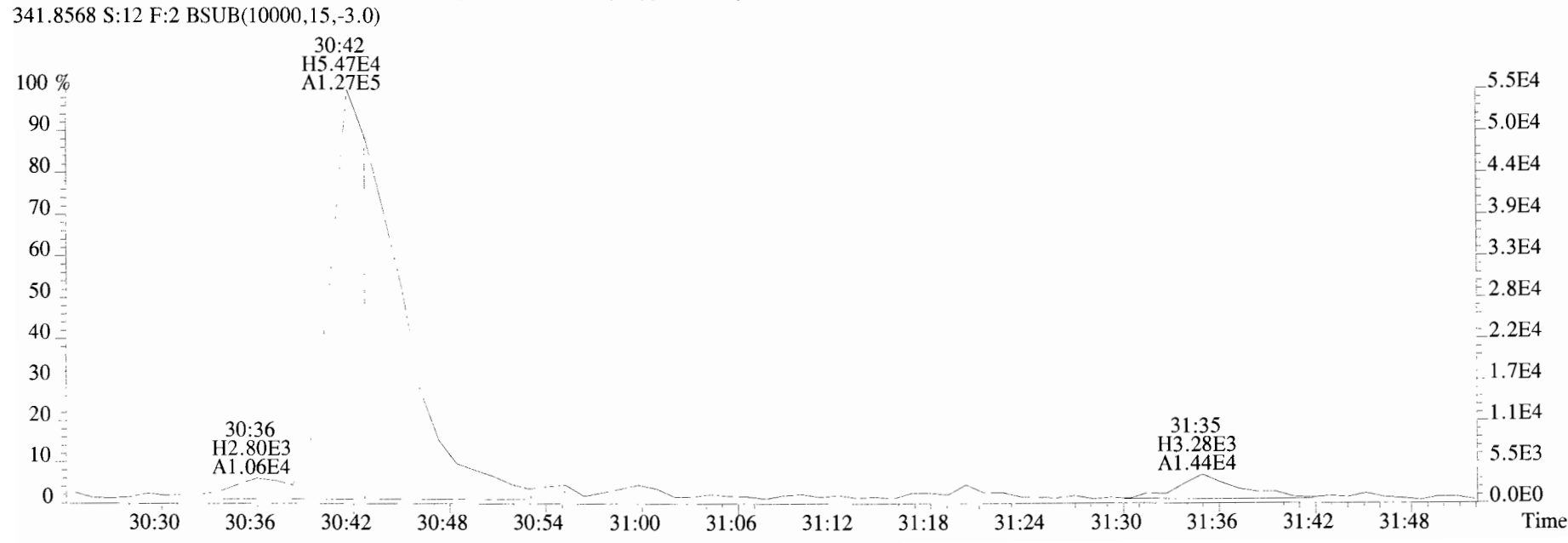
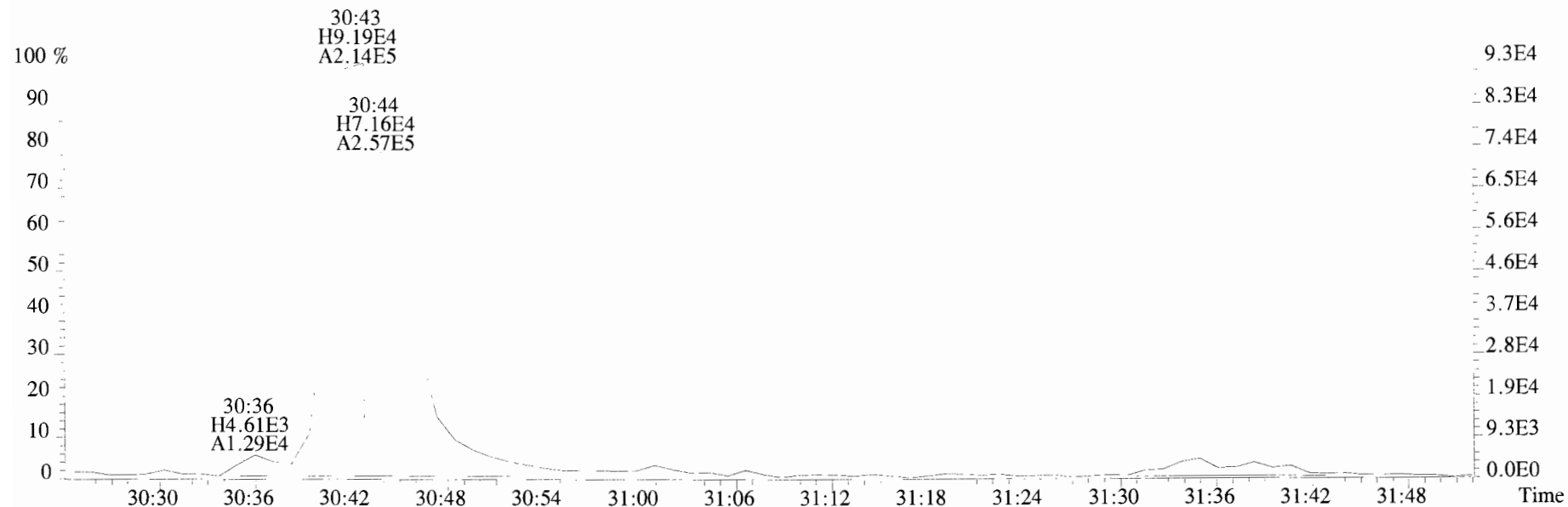
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(I0000,15,-3.0)



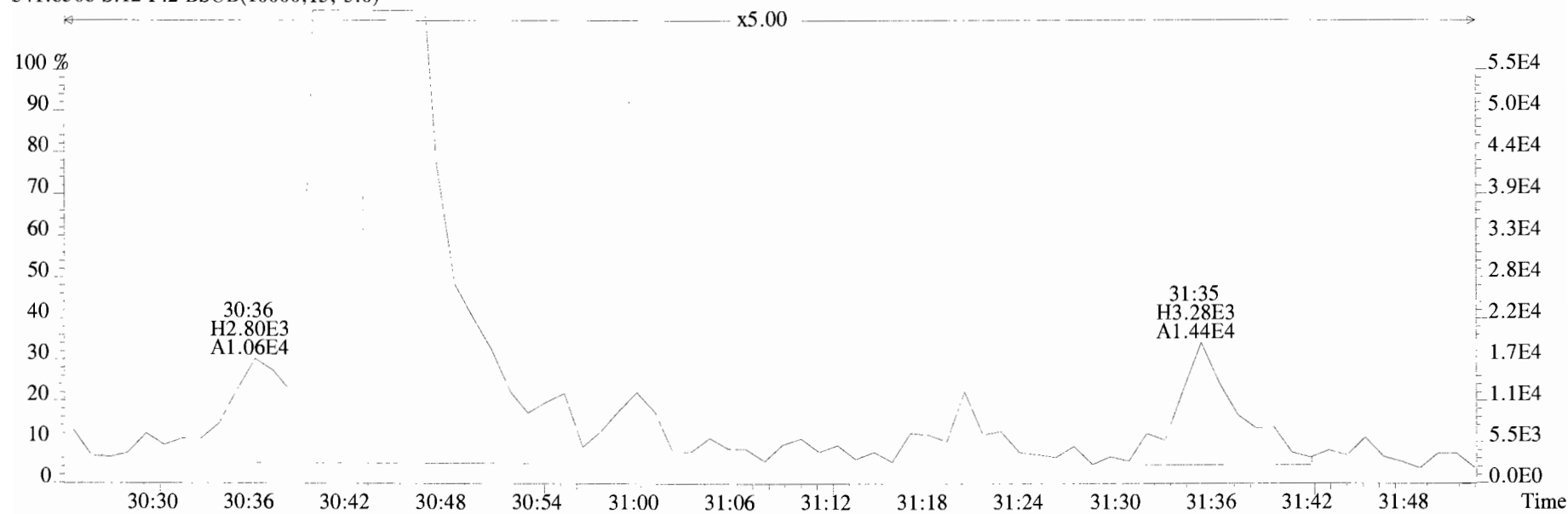
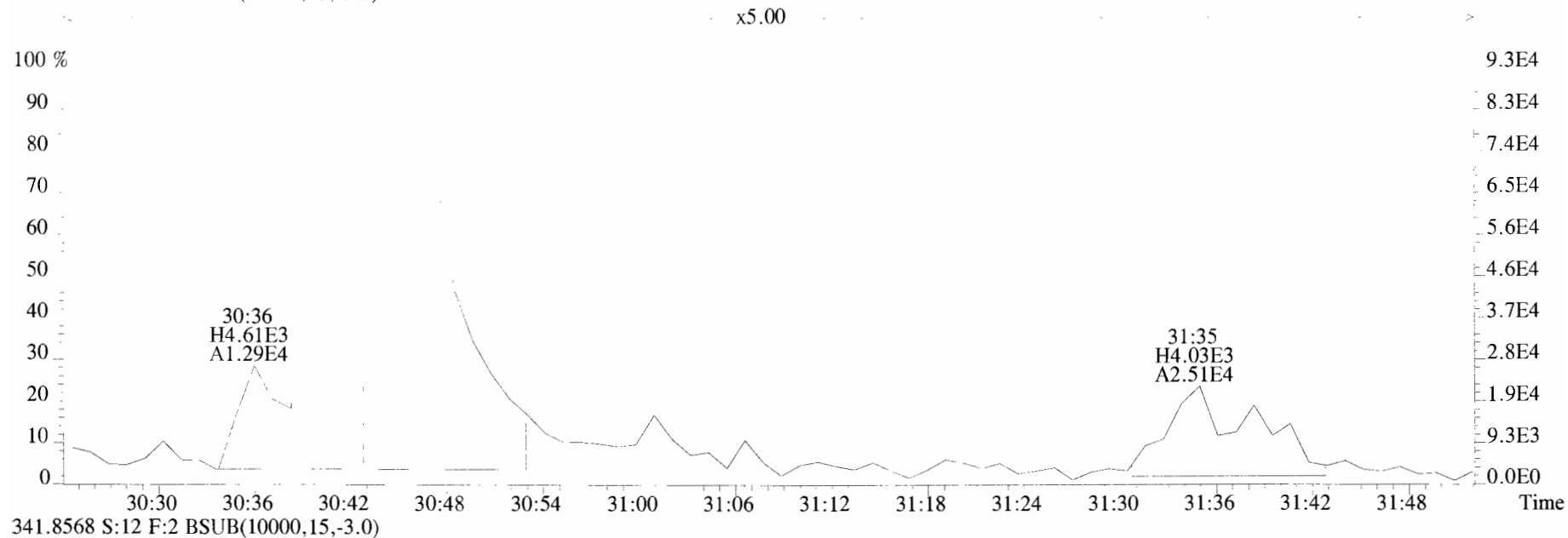
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0)



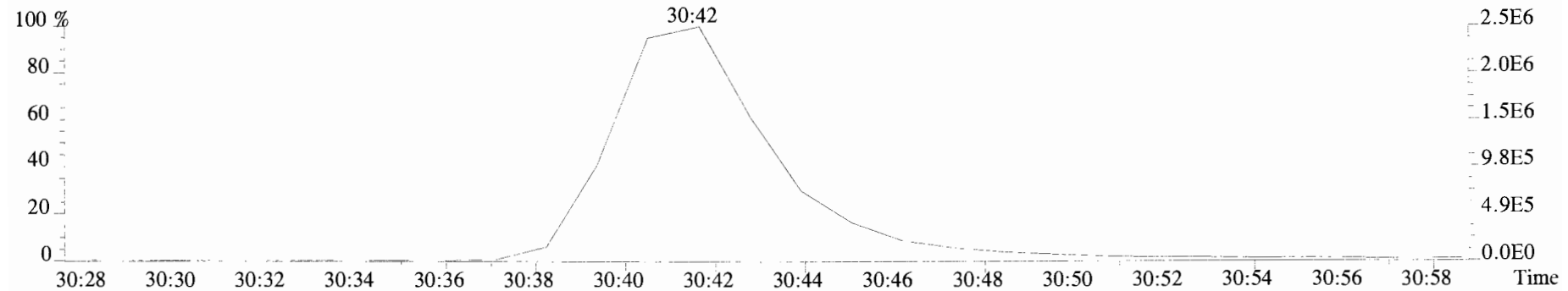
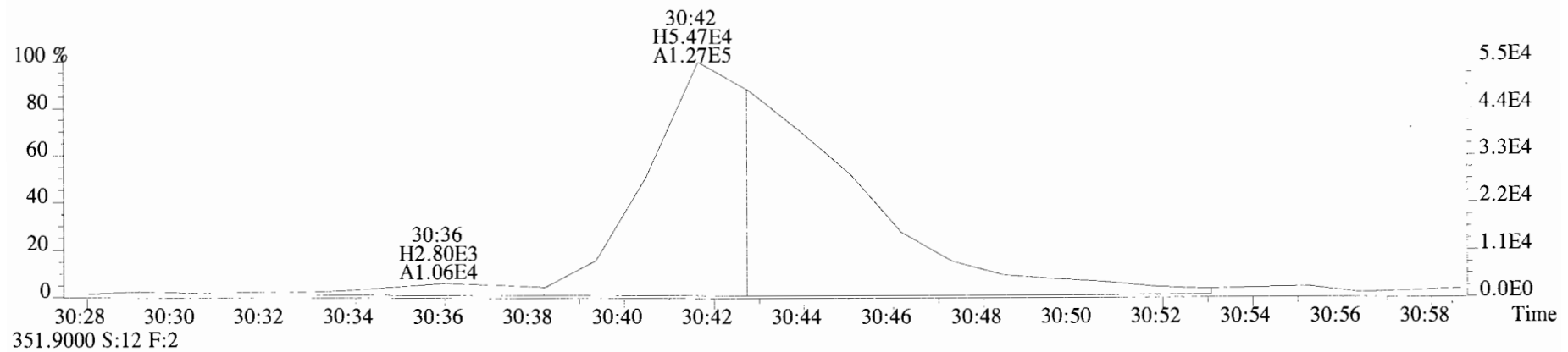
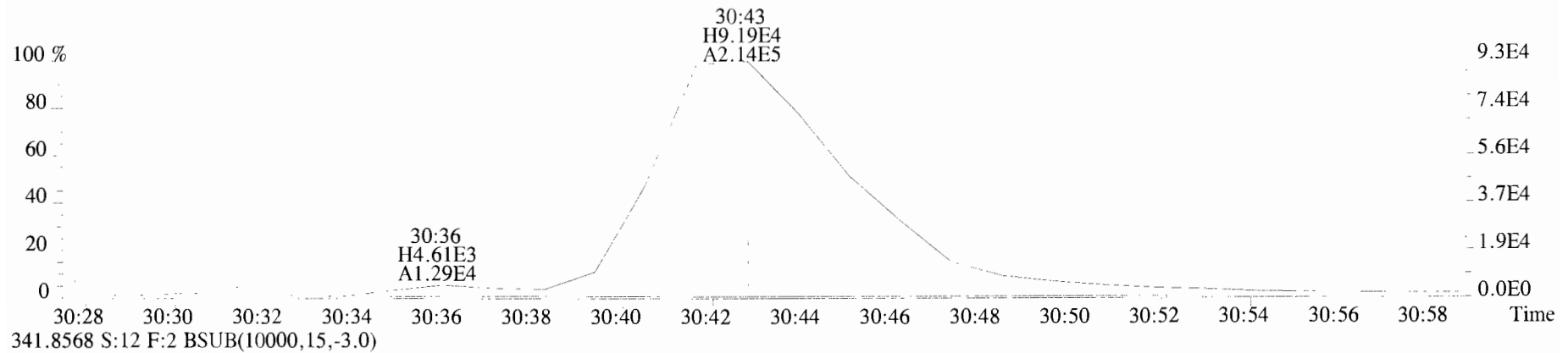
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 339.8597 S:12 F:2 BSUB(I0000,15,-3.0)



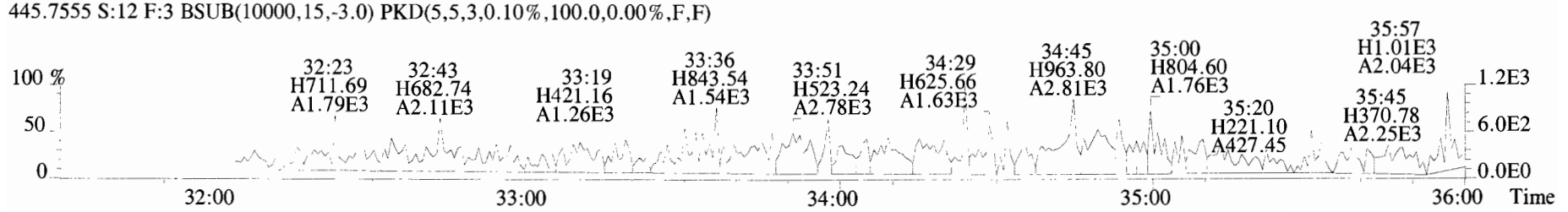
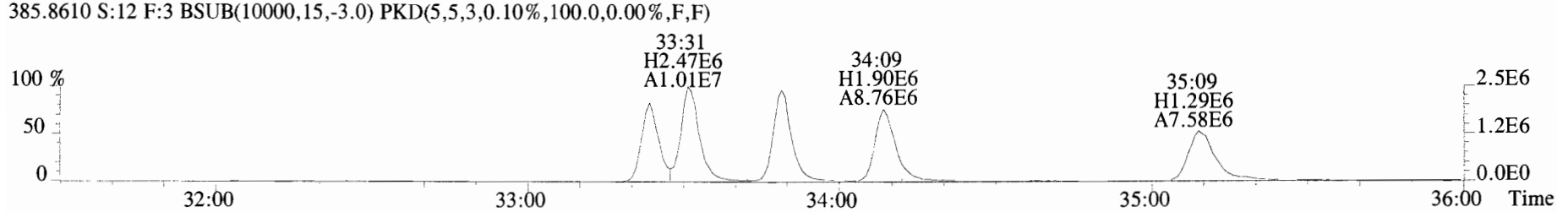
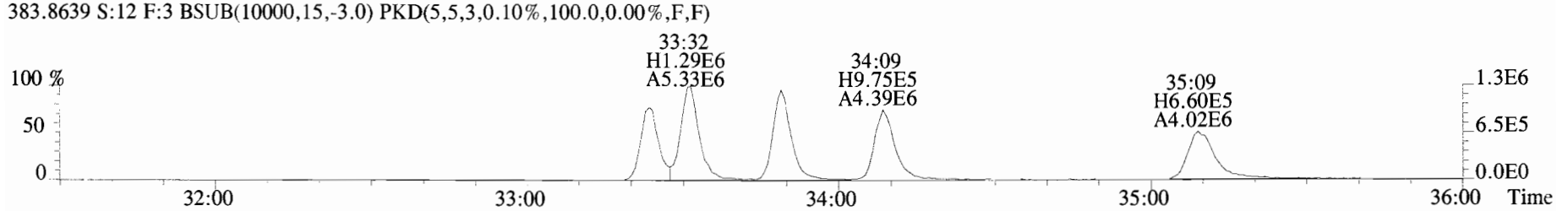
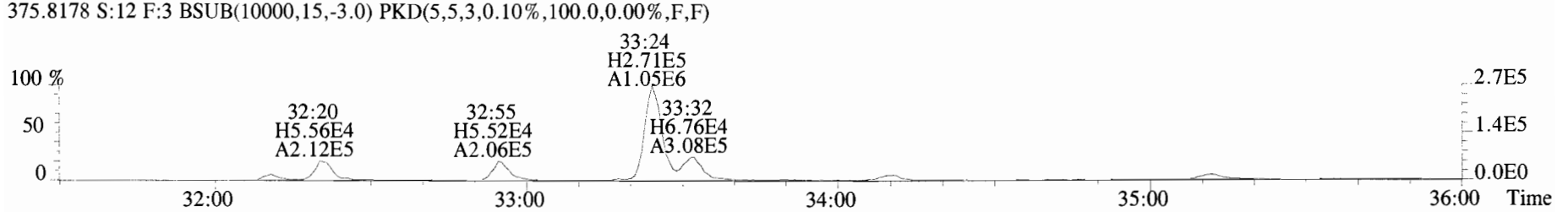
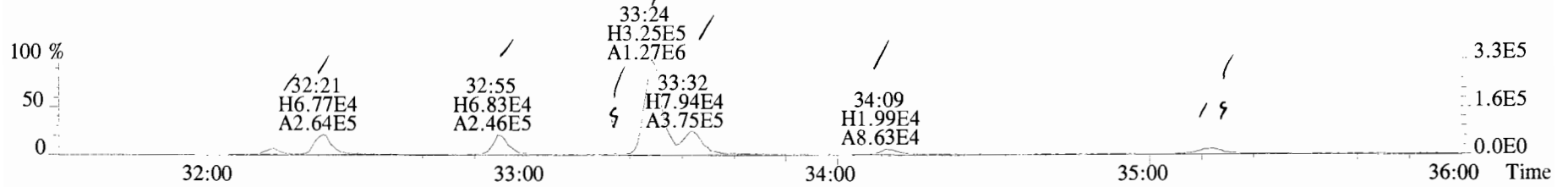
File: 191011D2 #1-211 Acq: 12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista_Analytical_Laboratory_VG7 Text: 1903285-04 PDI-022SG-00-01-190924 17 Exp: OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0)



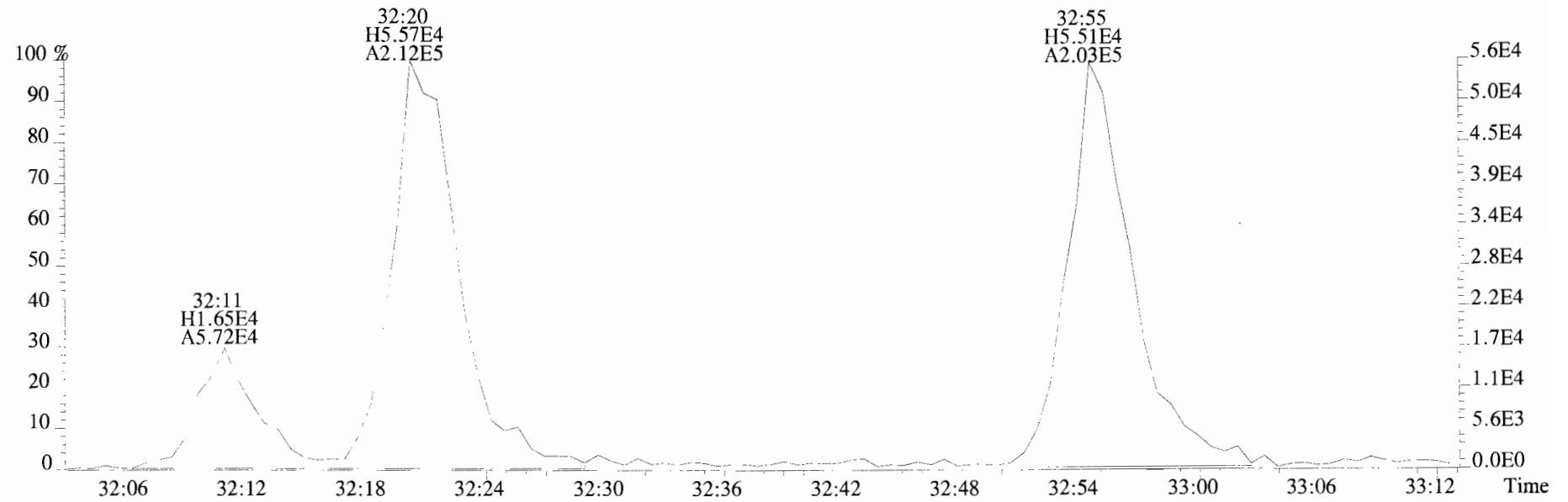
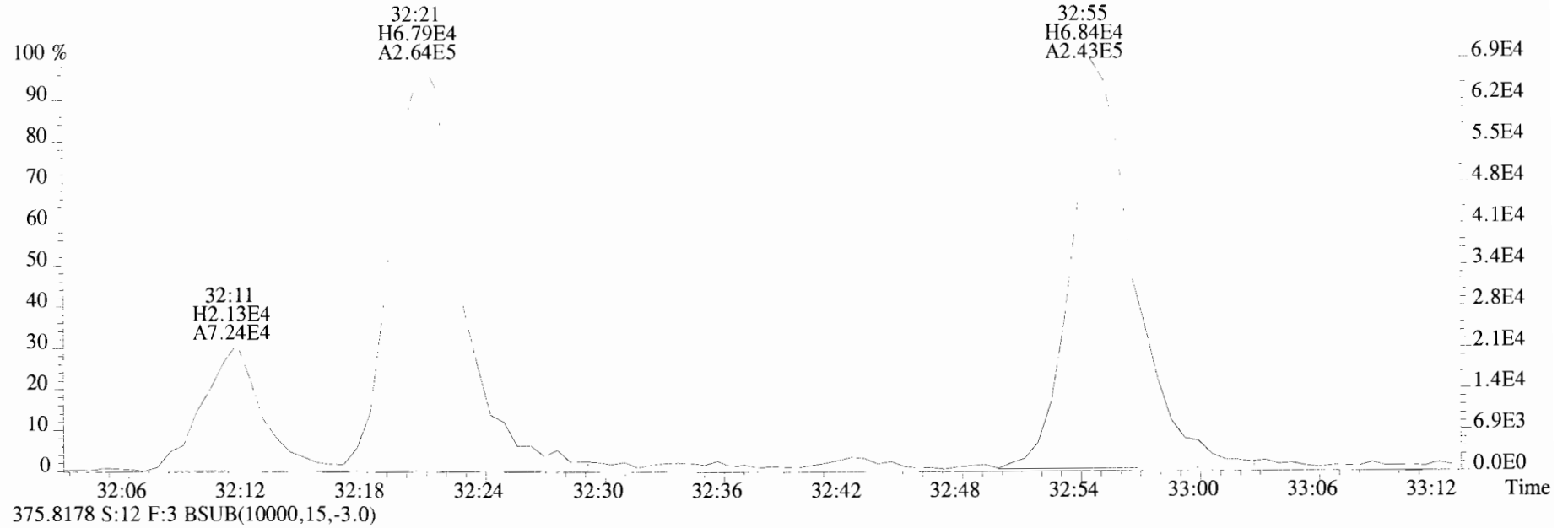
File:191011D2 #1-211 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0)



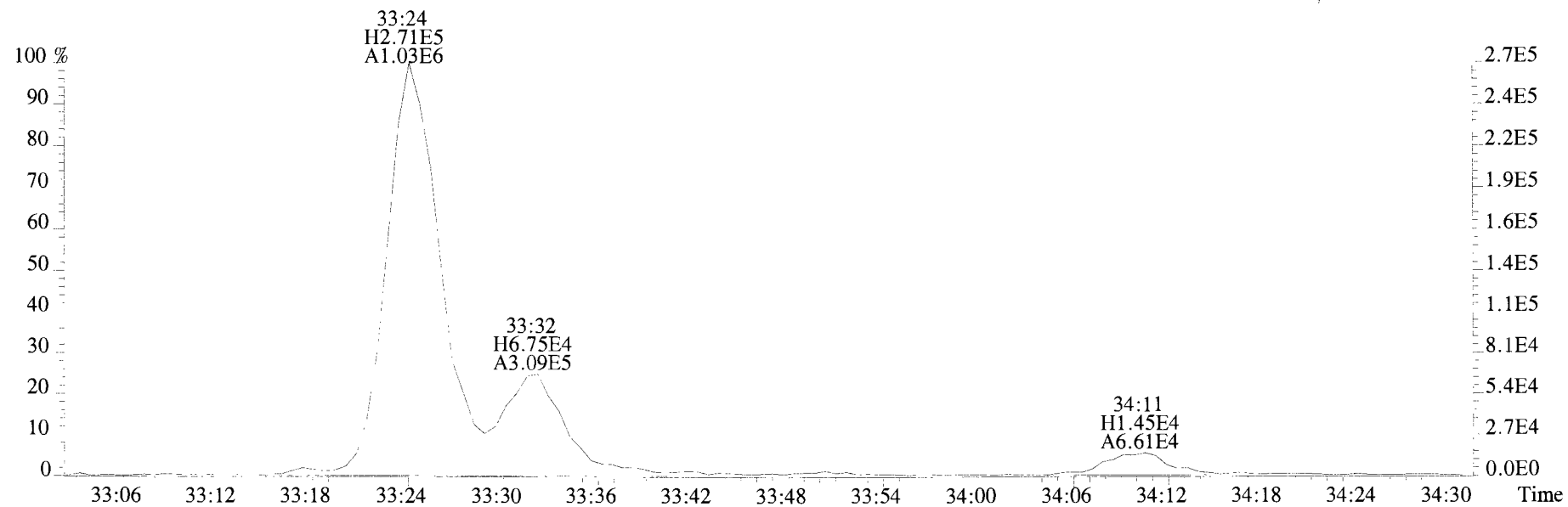
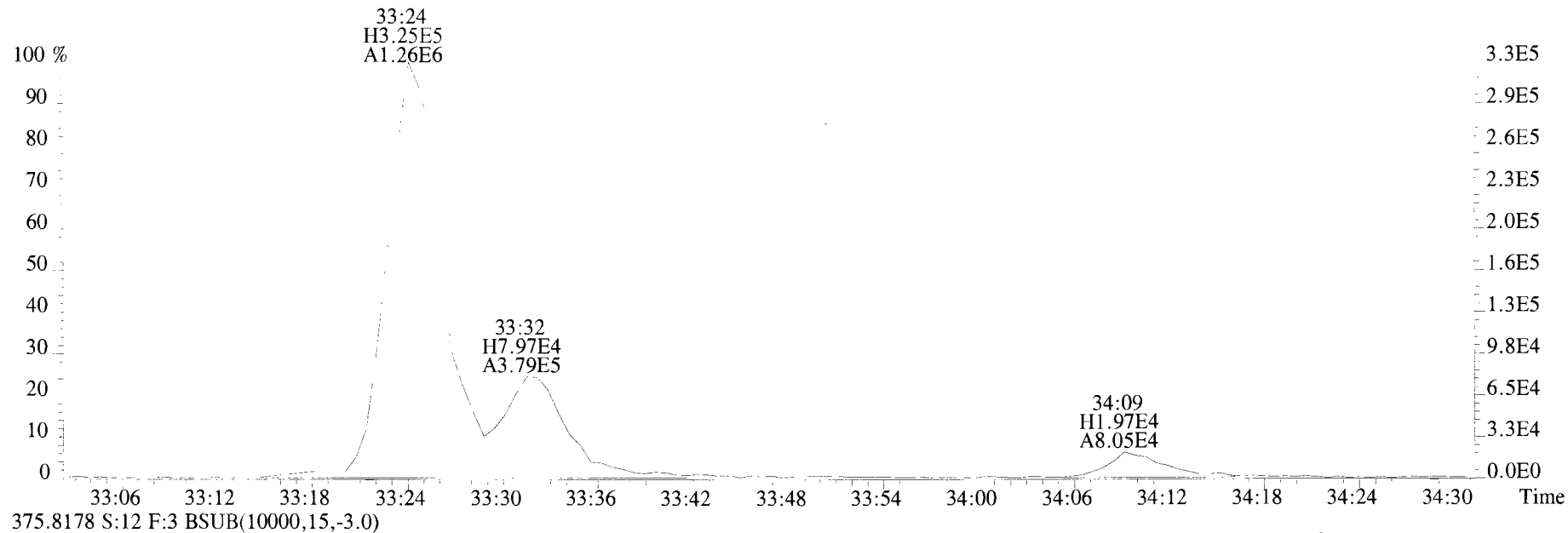
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



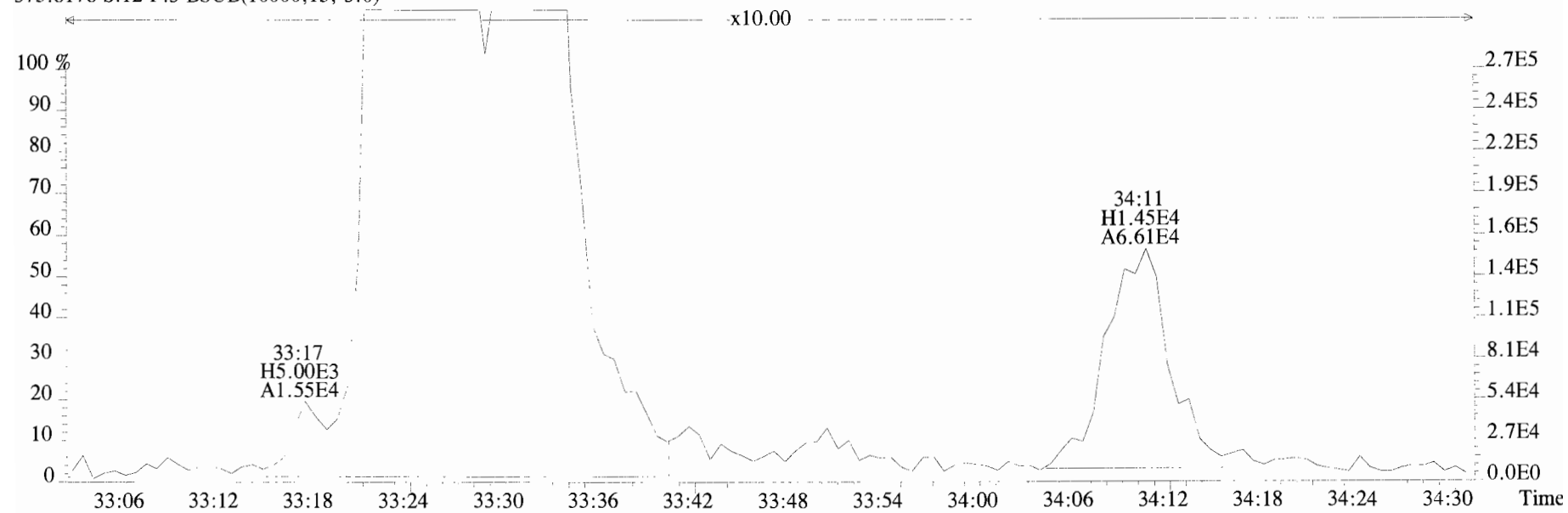
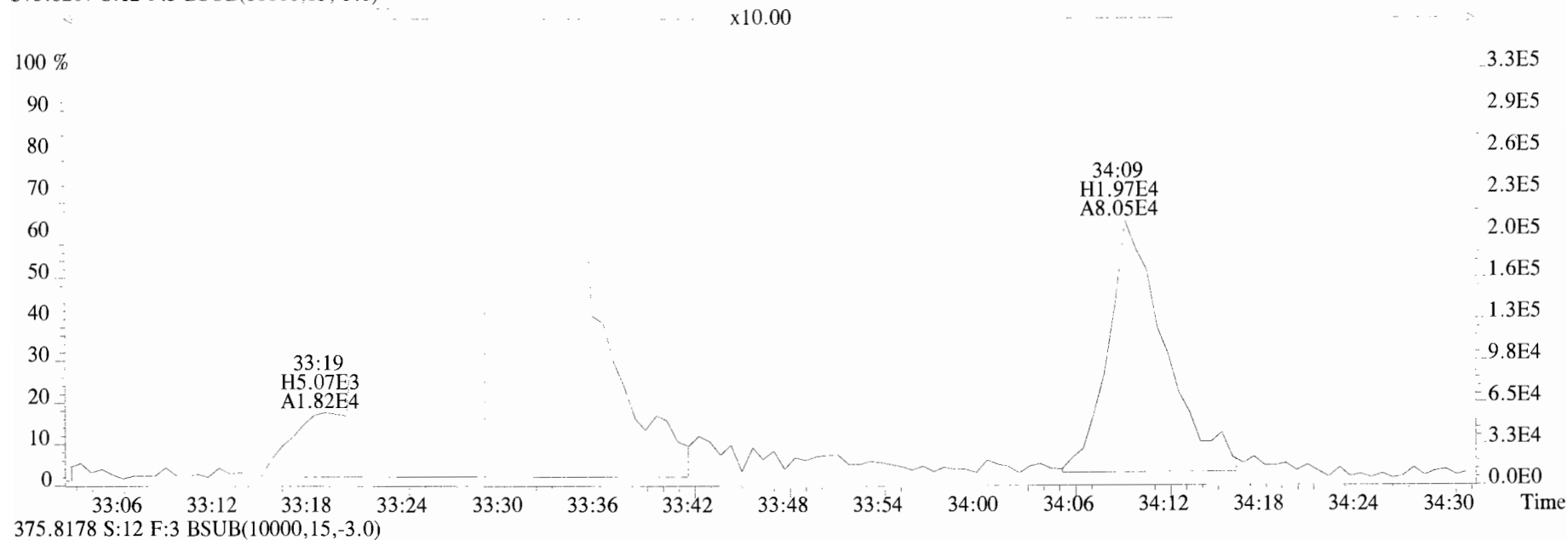
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
373.8207 S:12 F:3 BSub(10000,15,-3.0)



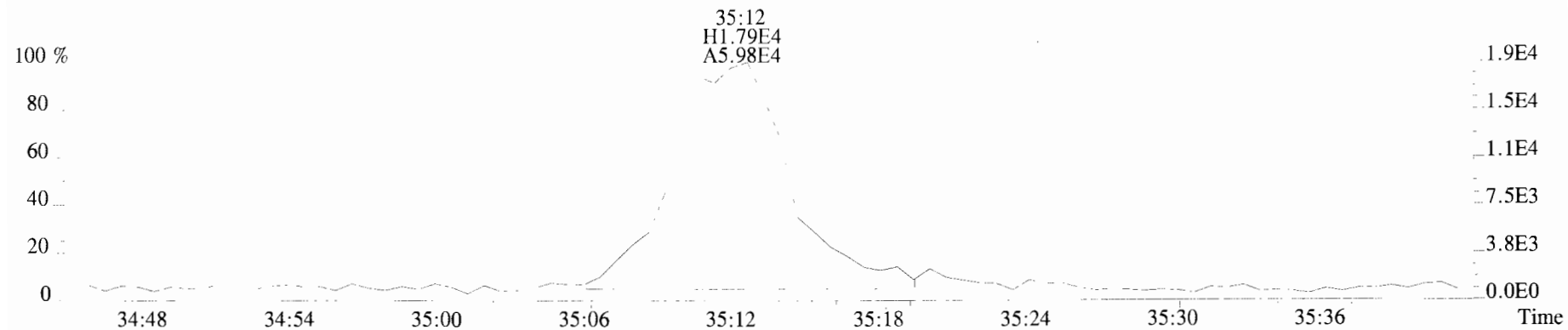
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(10000,15,-3.0)



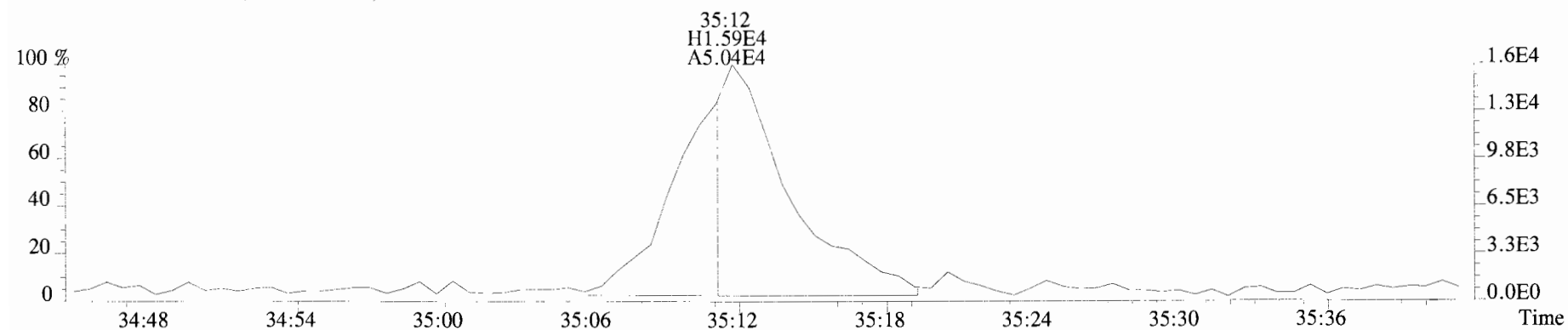
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(10000,15,-3.0)



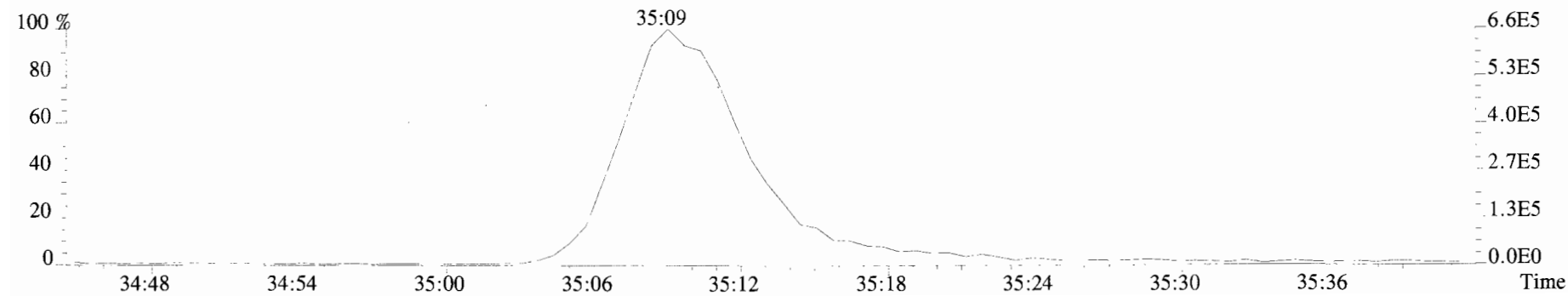
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
373.8207 S:12 F:3 BSub(10000,15,-3.0)



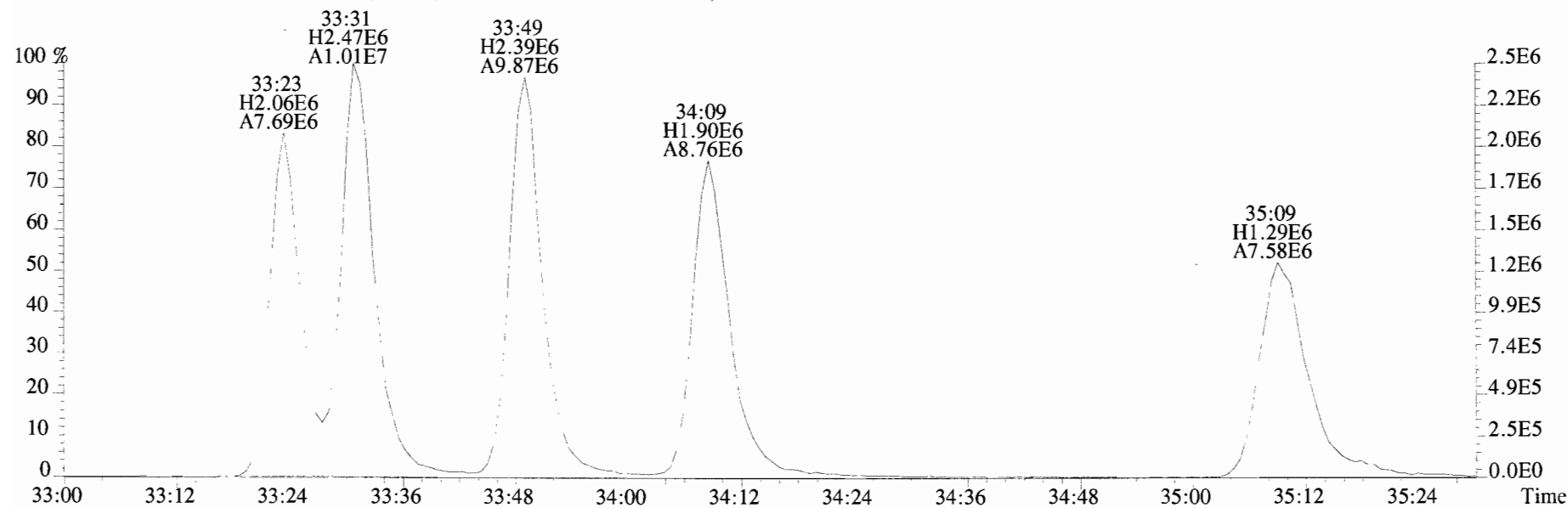
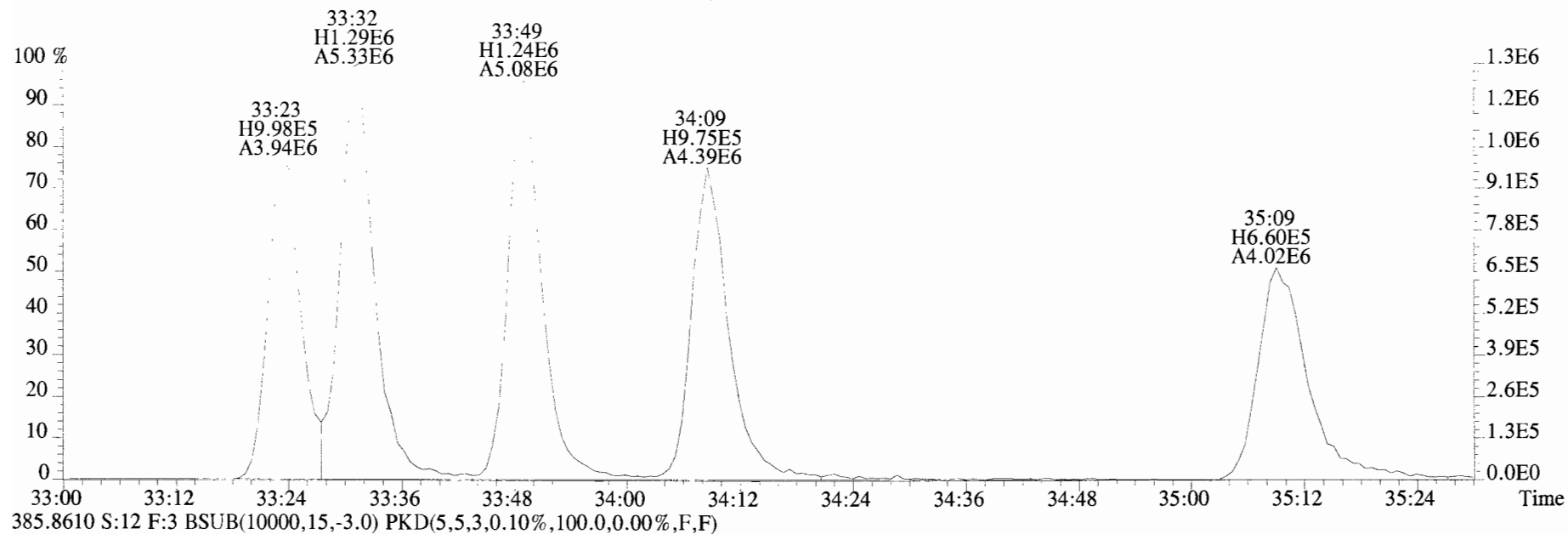
375.8178 S:12 F:3 BSub(10000,15,-3.0)



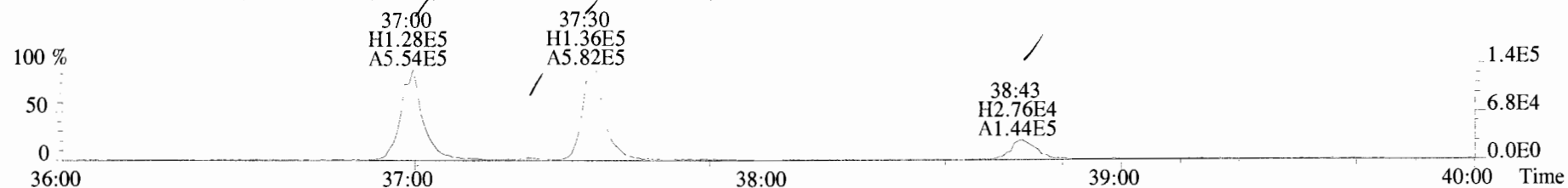
383.8639 S:12 F:3



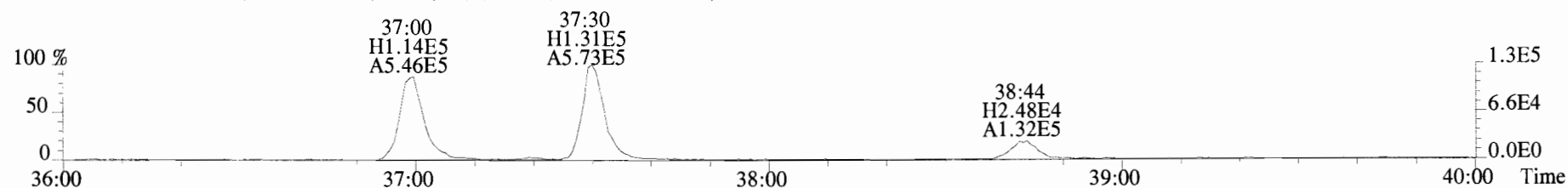
File:191011D2 #1-354 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



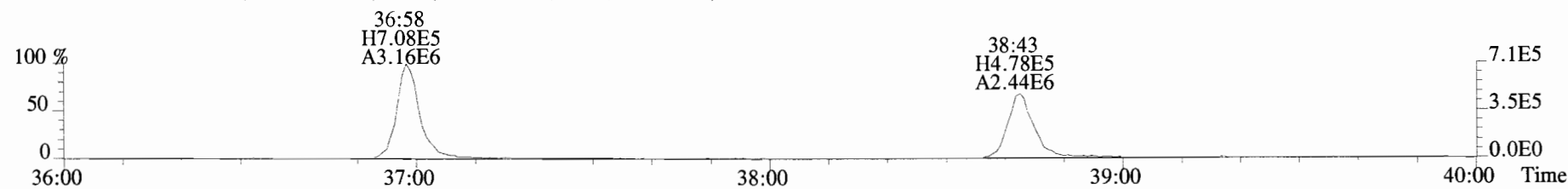
File:191011D2 #1-356 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
 407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



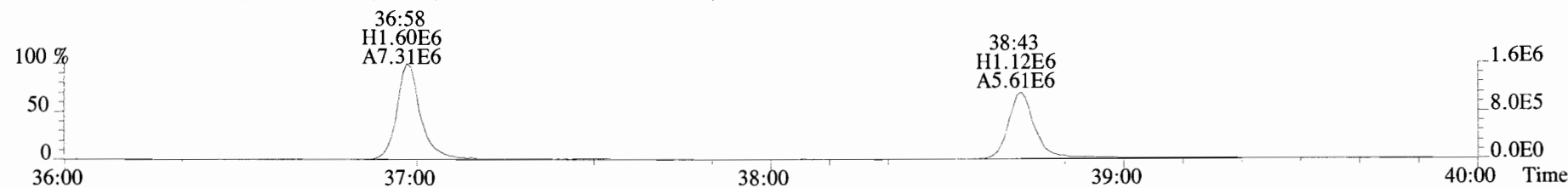
409.7788 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



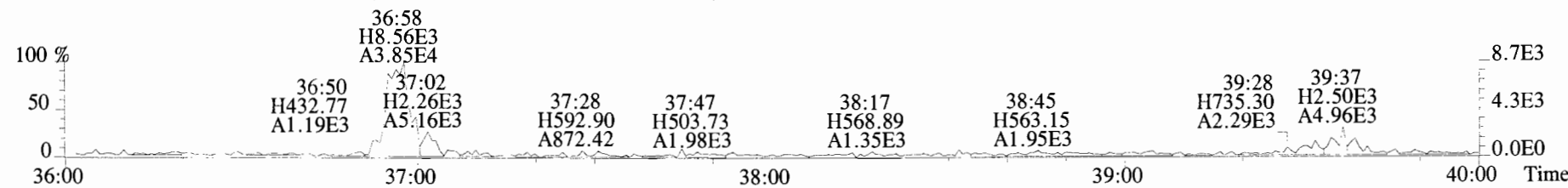
417.8253 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



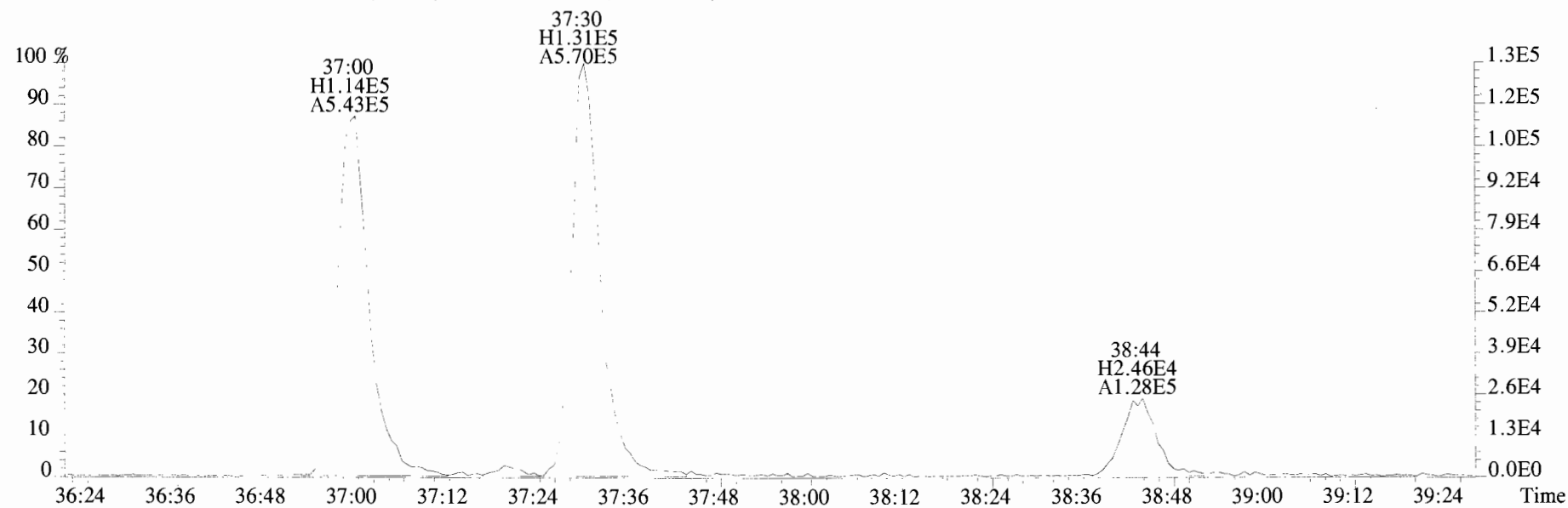
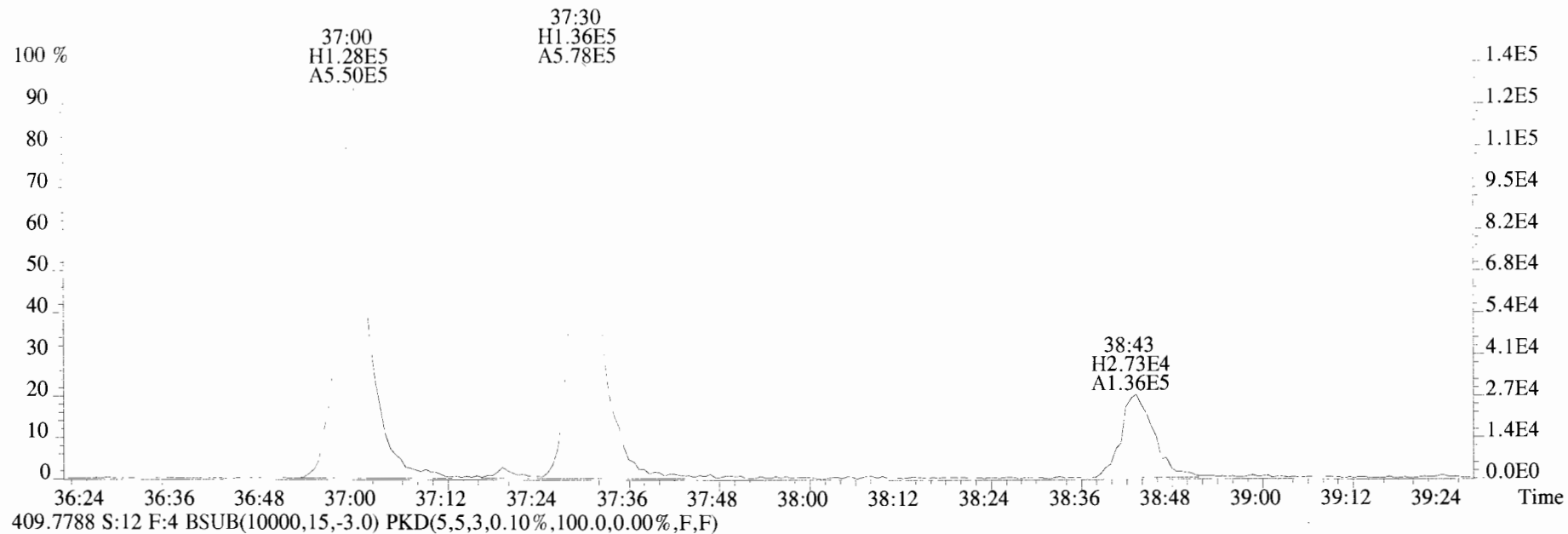
419.8220 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



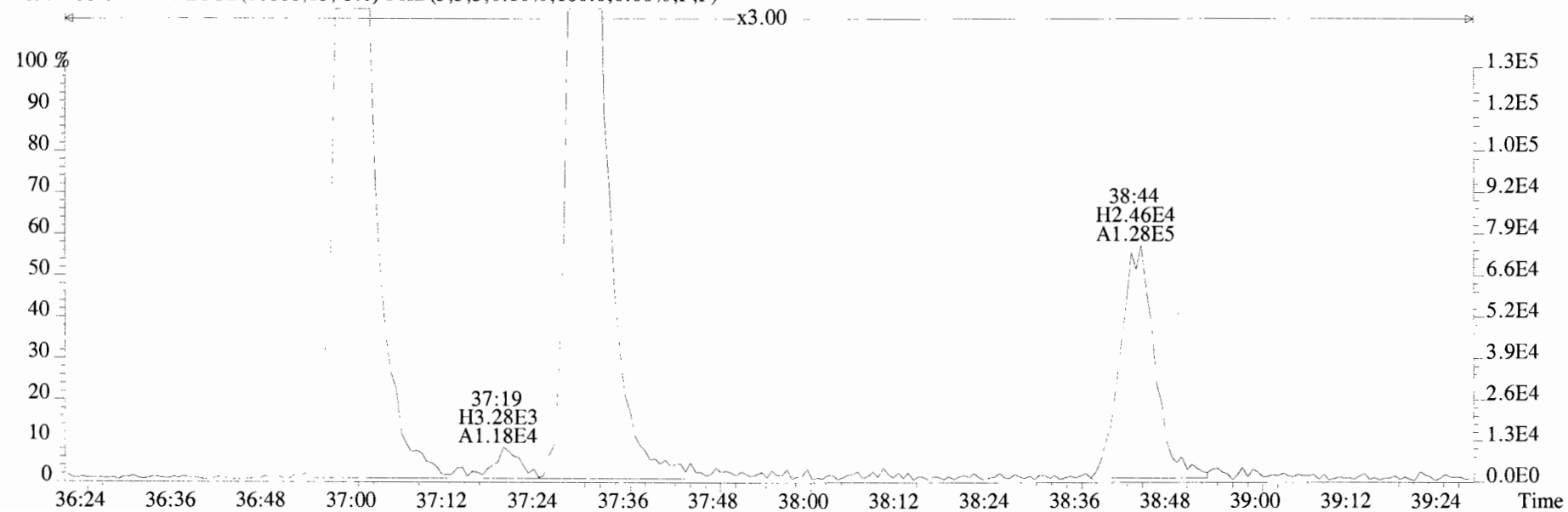
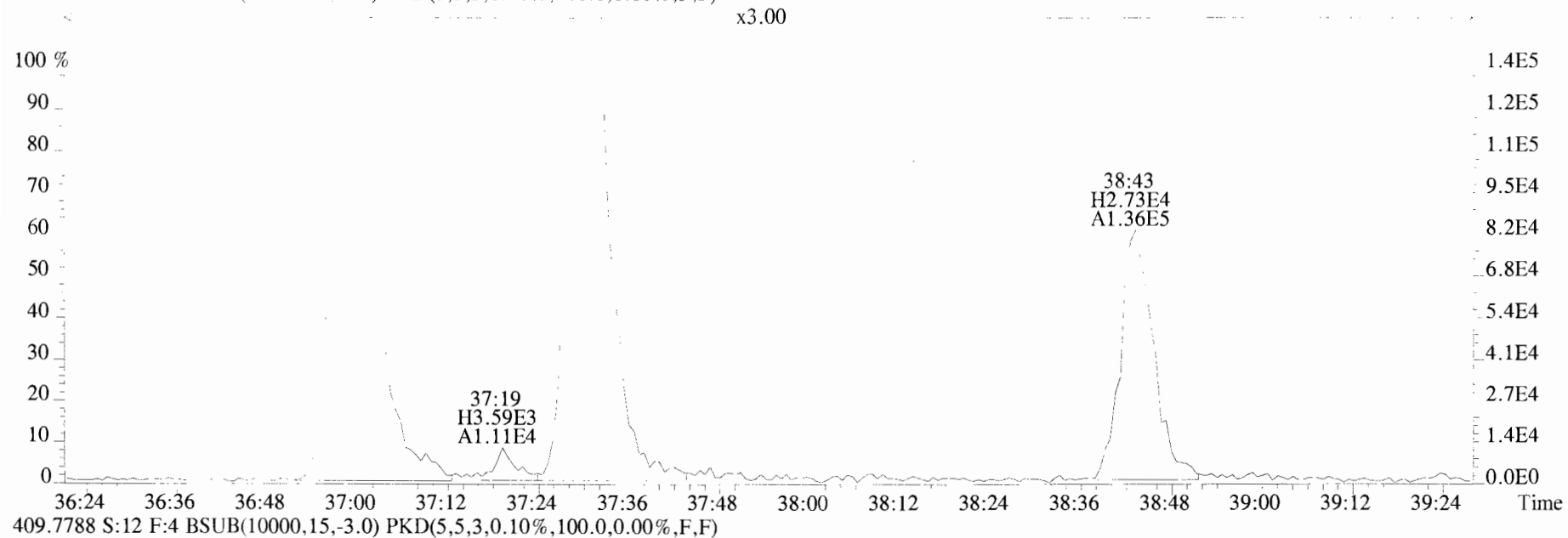
479.7165 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



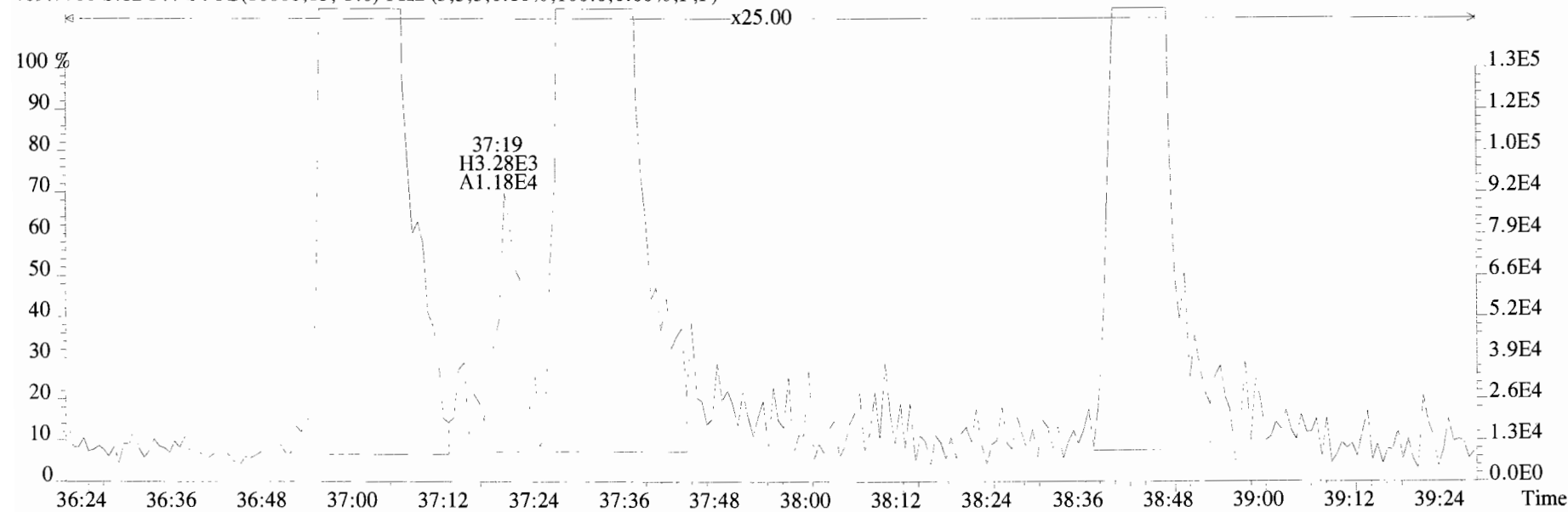
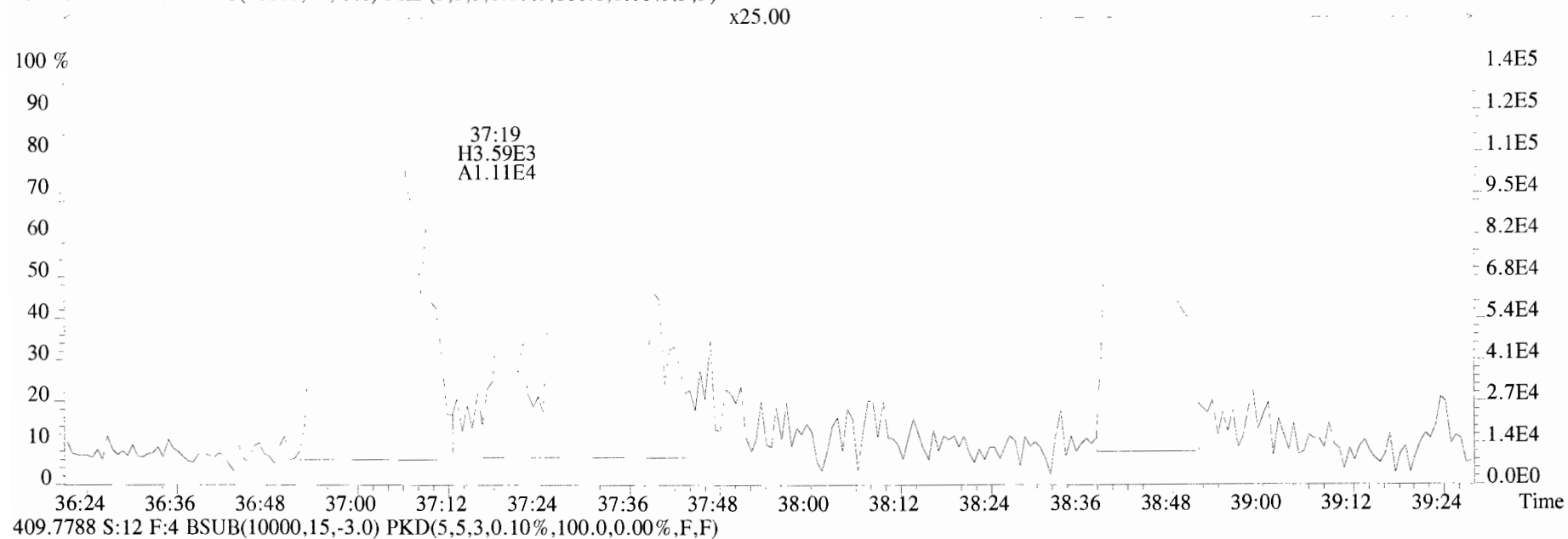
File:191011D2 #1-356 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
407.7818 S:12 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



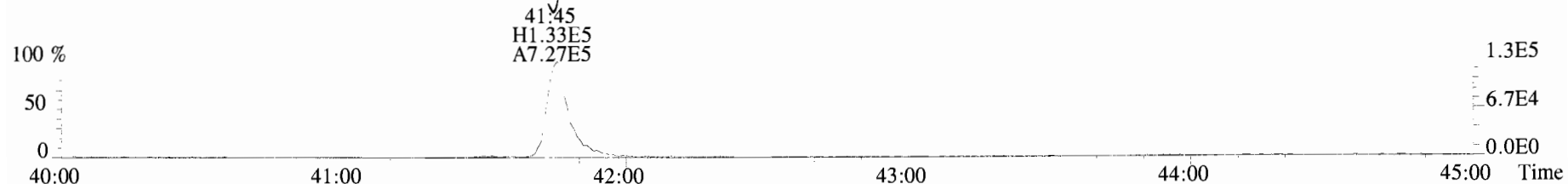
File:191011D2 #1-356 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



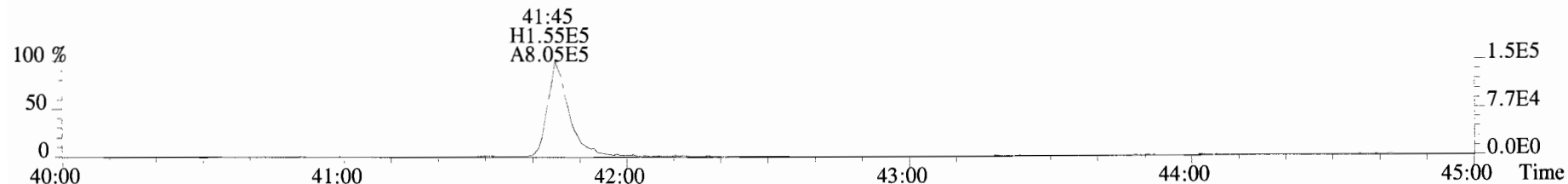
File:191011D2 #1-356 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
407.7818 S:12 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



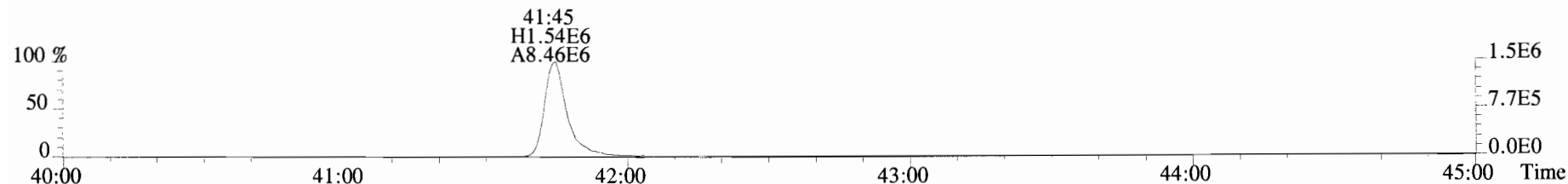
File:191011D2 #1-431 Acq:12-OCT-2019 10:02:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



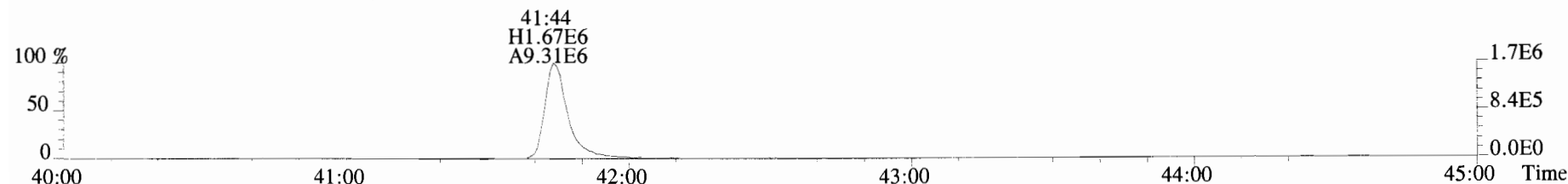
443.7398 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



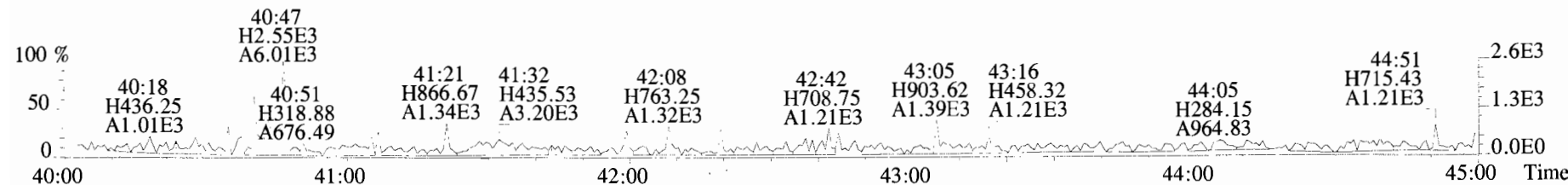
453.7831 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



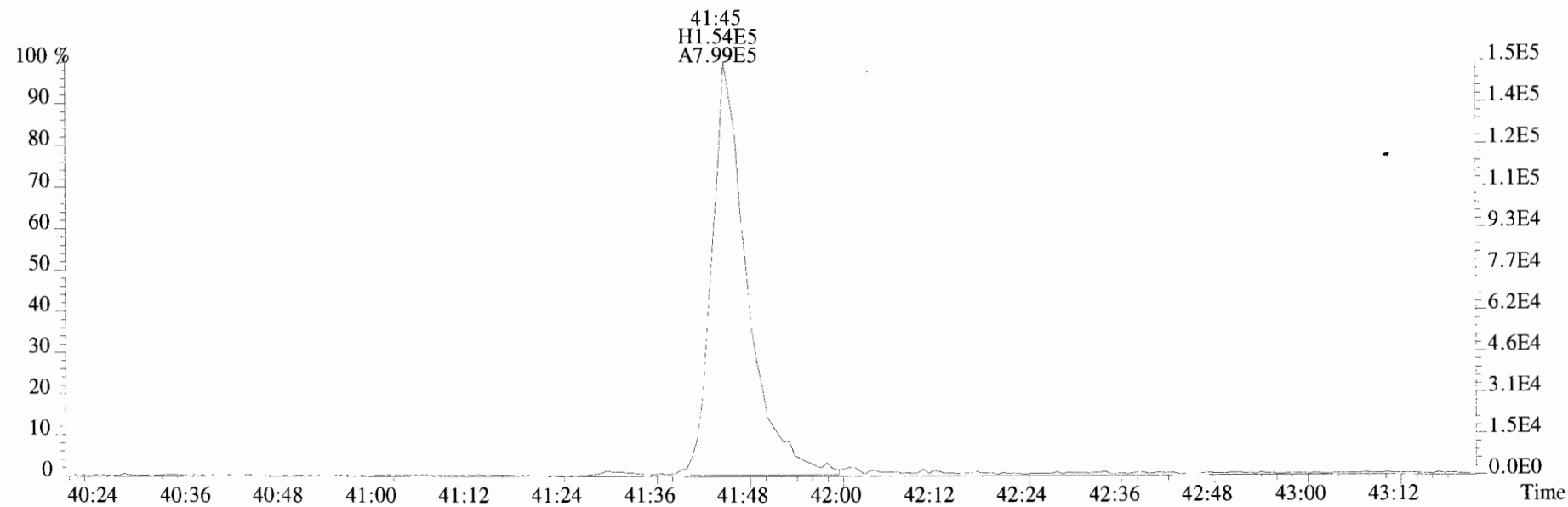
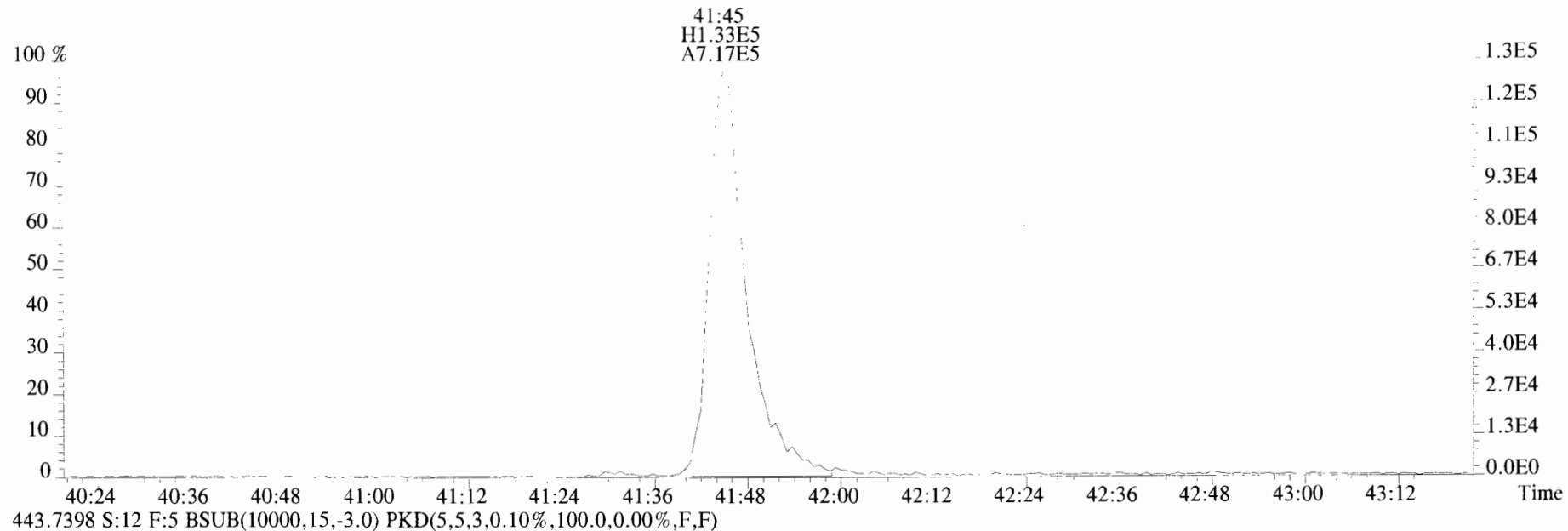
455.7801 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191011D2 #1-431 Acq:12-OCT-2019 10:02:38 GC E1+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04 PDI-022SG-00-01-190924 17 Exp:OCDD_DB5
441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	2.44e+04	0.57 n	0.91	26:35	0.60060	*	2.5	*	*	Total Tetra-Dioxins	7.07	8.00	*	*	
1,2,3,7,8-PeCDD	3.02e+04	0.71 y	0.90	30:56	0.82213	*	2.5	*	*	Total Penta-Dioxins	9.88	10.8	*	*	
1,2,3,4,7,8-HxCDD	3.70e+04	1.40 y	1.10	34:18	1.3823	*	2.5	*	*	Total Hexa-Dioxins	60.6	60.6	*	*	
1,2,3,6,7,8-HxCDD	1.81e+05	1.26 y	0.94	34:25	5.6035	*	2.5	*	*	Total Hepta-Dioxins	316	316	*	*	
1,2,3,7,8,9-HxCDD	1.02e+05	1.15 y	0.96	34:44	3.2916	*	2.5	*	*	Total Tetra-Furans	44.0	45.4	*	*	
1,2,3,4,6,7,8-HpCDD	3.24e+06	1.00 y	0.98	38:08	135.37	*	2.5	*	*	Total Penta-Furans	52.774	52.774	*	*	
OCDD	1.30e+07	0.90 y	0.96	41:32	1293.9	*	2.5	*	*	Total Hexa-Furans	81.8	81.8	*	*	
										Total Hepta-Furans	73.5	74.2	*	*	P
2,3,7,8-TCDF	6.39e+05	0.77 y	0.95	25:52	12.250	*	2.5	*	*						
1,2,3,7,8-PeCDF	7.71e+05	1.57 y	0.96	29:48	14.280	*	2.5	*	*						
2,3,4,7,8-PeCDF	1.94e+05	1.57 y	1.01	30:39	3.7581	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	1.54e+06	1.26 y	1.18	33:23	36.743	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	4.30e+05	1.22 y	1.07	33:32	8.2214	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	1.24e+05	1.17 y	1.11	34:09	2.8913	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	7.90e+04	1.12 y	1.06	35:09	2.0649	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	8.15e+05	1.01 y	1.13	36:59	25.802	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	1.95e+05	0.96 y	1.28	38:43	6.7979	*	2.5	*	*						
OCDF	9.60e+05	0.89 y	0.95	41:46	62.414	*	2.5	*	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	8.97e+06	0.80 y	1.10	26:35	131.80					66.0					
IS 13C-1,2,3,7,8-PeCDD	8.12e+06	0.62 y	0.88	30:56	148.29					74.3					
IS 13C-1,2,3,4,7,8-HxCDD	4.86e+06	1.20 y	0.64	34:17	109.78					55.0					
IS 13C-1,2,3,6,7,8-HxCDD	6.89e+06	1.34 y	0.86	34:24	116.86					58.5					
IS 13C-1,2,3,7,8,9-HxCDD	6.47e+06	1.25 y	0.81	34:44	116.35					58.3					
IS 13C-1,2,3,4,6,7,8-HpCDD	4.88e+06	1.05 y	0.65	38:07	108.34					54.3					
IS 13C-OCDD	4.19e+06	0.87 y	0.58	41:30	104.88					26.3					
IS 13C-2,3,7,8-TCDF	1.10e+07	0.79 y	1.03	25:52	114.40					57.3					
IS 13C-1,2,3,7,8-PeCDF	1.12e+07	1.59 y	0.85	29:48	141.93					71.1					
IS 13C-2,3,4,7,8-PeCDF	1.02e+07	1.60 y	0.85	30:41	129.86					65.0					
IS 13C-1,2,3,4,7,8-HxCDF	7.12e+06	0.53 y	0.83	33:23	124.28					62.2					
IS 13C-1,2,3,6,7,8-HxCDF	9.77e+06	0.52 y	1.03	33:31	137.13					68.7					
IS 13C-2,3,4,6,7,8-HxCDF	7.72e+06	0.52 y	0.95	34:09	117.52					58.9					
IS 13C-1,2,3,7,8,9-HxCDF	7.19e+06	0.53 y	0.83	35:10	126.18					63.2					
IS 13C-1,2,3,4,6,7,8-HpCDF	5.60e+06	0.41 y	0.76	36:58	107.24					53.7					
IS 13C-1,2,3,4,7,8,9-HpCDF	4.48e+06	0.44 y	0.58	38:43	111.87					56.0					
IS 13C-OCDF	6.48e+06	0.90 y	0.69	41:45	136.55					34.2					
C/Up 37Cl-2,3,7,8-TCDD	4.03e+06		1.20	26:36	54.112					67.8					
RS/RT 13C-1,2,3,4-TCDD	1.24e+07	0.80 y	1.00	26:01	199.66										
RS 13C-1,2,3,4-TCDF	1.85e+07	0.82 y	1.00	24:41	199.66										
RS/RT 13C-1,2,3,4,6,9-HxCDF	1.38e+07	0.52 y	1.00	33:49	199.66										

Integrations
 by DB
 Analyst: DB
 Date: 10/31/19

Reviewed
 by HC
 Analyst: HC
 Date: 10/31/19

CT
10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 18 File: 191011D2 S: 13 I: 1 F: 1
 Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 8.0037 Unnamed Concentration: 7.403

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:23	3.206e+04	4.575e+04	0.70	y	7.781e+04	1.9129
23:44	1.523e+04	1.894e+04	0.80	y	3.417e+04	0.84013
24:07	6.710e+03	8.010e+03	0.84	y	1.472e+04	0.36188
24:48	5.908e+03	9.498e+03	0.62	n	1.358e+04	0.33388
25:01	8.165e+03	1.068e+04	0.76	y	1.885e+04	0.46338
25:10	8.780e+03	1.095e+04	0.80	y	1.973e+04	0.48502
25:42	4.632e+03	5.724e+03	0.81	y	1.036e+04	0.25461
26:22	5.208e+04	5.983e+04	0.87	y	1.119e+05	2.7513
26:35	1.063e+04	1.861e+04	0.57	n	2.443e+04	0.60060
						2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 18

File: 191011D2

S: 13 I: 1 F: 2

Acquired: 12-OCT-19 10:50:09

Processed: 14-OCT-19 10:39:26

Total Concentration: 10.818

Unnamed Concentration: 9.996

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:56	3.966e+04	6.969e+04	0.57	y	1.094e+05	2.9777
29:22	1.599e+04	2.244e+04	0.71	y	3.843e+04	1.0464
29:48	1.616e+04	2.464e+04	0.66	y	4.080e+04	1.1111
29:57	1.248e+04	1.917e+04	0.65	y	3.165e+04	0.86191
30:03	1.647e+04	2.502e+04	0.66	y	4.149e+04	1.1299
30:16	2.507e+04	3.599e+04	0.70	y	6.105e+04	1.6625
30:33	3.980e+03	5.756e+03	0.69	y	9.735e+03	0.26510
30:56	1.250e+04	1.769e+04	0.71	y	3.019e+04	0.82213
31:00	7.079e+03	9.386e+03	0.75	n	1.530e+04	0.41659
31:18	7.450e+03	2.075e+04	0.36	n	1.928e+04	0.52490

1,2,3,7,8-PeCDD

Totals class: HxCDD EMPC

Entry #: 23

Run: 18 File: 191011D2 S: 13 I: 1 F: 3
 Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 60.598 Unnamed Concentration: 50.320

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
32:42	3.591e+05	2.937e+05	1.22	y	6.528e+05	21.653	
33:18	5.523e+04	4.482e+04	1.23	y	1.001e+05	3.3187	
33:34	3.657e+05	2.802e+05	1.31	y	6.459e+05	21.423	
33:42	4.628e+04	3.936e+04	1.18	y	8.564e+04	2.8405	
34:18	2.163e+04	1.540e+04	1.40	y	3.703e+04	1.3823	1,2,3,4,7,8-HxCDD
34:25	1.011e+05	8.031e+04	1.26	y	1.814e+05	5.6035	1,2,3,6,7,8-HxCDD
34:37	1.844e+04	1.429e+04	1.29	y	3.273e+04	1.0856	
34:44	5.489e+04	4.758e+04	1.15	y	1.025e+05	3.2916	1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 18 File: 191011D2 S: 13 I: 1 F: 4

Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 315.52

Unnamed Concentration: 180.146

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
37:18	2.171e+06	2.141e+06	1.01 y	4.313e+06	180.15
38:08	1.624e+06	1.616e+06	1.00 y	3.241e+06	135.37 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 18 File: 191011D2 .S: 13 I: 1 F: 1
 Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 45.378 Unnamed Concentration: 33.127

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
21:24	1.018e+04	1.348e+04	0.76	y	2.366e+04	0.45373	
21:59	1.432e+04	1.636e+04	0.88	y	3.068e+04	0.58828	
22:35	7.268e+04	9.623e+04	0.76	y	1.689e+05	3.2390	
23:03	4.194e+04	4.821e+04	0.87	y	9.015e+04	1.7286	
23:23	9.220e+04	1.184e+05	0.78	y	2.106e+05	4.0376	
23:46	3.895e+04	4.501e+04	0.87	y	8.396e+04	1.6099	
23:53	1.180e+04	2.037e+04	0.58	n	2.713e+04	0.52032	
24:02	2.106e+04	2.482e+04	0.85	y	4.589e+04	0.87988	
24:22	6.103e+03	7.972e+03	0.77	y	1.408e+04	0.26990	
24:29	1.005e+04	1.404e+04	0.72	y	2.409e+04	0.46195	
24:40	9.194e+04	1.177e+05	0.78	y	2.097e+05	4.0202	
25:06	2.283e+05	2.891e+05	0.79	y	5.174e+05	9.9217	
25:20	2.443e+04	2.631e+04	0.93	n	4.658e+04	0.89314	
25:30	1.100e+04	1.267e+04	0.87	y	2.367e+04	0.45388	
25:41	1.001e+04	1.182e+04	0.85	y	2.183e+04	0.41858	
25:45	2.595e+04	3.691e+04	0.70	y	6.285e+04	1.2052	
25:52	2.782e+05	3.607e+05	0.77	y	6.389e+05	12.250	2,3,7,8-TCDF
26:11	2.804e+04	3.657e+04	0.77	y	6.461e+04	1.2388	
27:34	2.829e+04	3.359e+04	0.84	y	6.188e+04	1.1866	

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 18 File: 191011D2 S: 13 I: 1 F: 1
Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 7.3335 Unnamed Concentration: 7.333

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:31	2.406e+05	1.476e+05	1.63 y	3.882e+05	7.3335

Totals class: PeCDF EMPC

Entry #: 31

Run: 18 File: 191011D2 S: 13 I: 1 F: 2
 Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 45.441

Unnamed Concentration: 27.403

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
28:46	3.473e+04	2.581e+04	1.35	y	6.054e+04	1.1437	
28:55	3.264e+05	2.004e+05	1.63	y	5.268e+05	9.9524	
29:27	7.523e+04	5.335e+04	1.41	y	1.286e+05	2.4292	
29:38	6.928e+04	4.106e+04	1.69	y	1.103e+05	2.0847	
29:48	4.704e+05	3.004e+05	1.57	y	7.708e+05	14.280	1,2,3,7,8-PeCDF
30:02	1.806e+05	1.301e+05	1.39	y	3.108e+05	5.8709	
30:34	1.158e+04	6.935e+03	1.67	y	1.852e+04	0.34985	
30:39	1.189e+05	7.559e+04	1.57	y	1.945e+05	3.7581	2,3,4,7,8-PeCDF
30:43	1.710e+05	9.650e+04	1.77	y	2.675e+05	5.0542	
31:33	1.695e+04	1.048e+04	1.62	y	2.743e+04	0.51829	

Totals class: HxCDF EMPC

Entry #: 33

Run: 18 .File: 191011D2 S: 13 I: 1 F: 3
 Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 81.841 Unnamed Concentration: 31.920

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:10	9.378e+04	7.377e+04	1.27	y	1.676e+05	3.8133
32:20	3.002e+05	2.348e+05	1.28	y	5.350e+05	12.176
32:55	3.473e+05	2.720e+05	1.28	y	6.193e+05	14.095
33:23	8.590e+05	6.831e+05	1.26	y	1.542e+06	36.743
33:32	2.367e+05	1.934e+05	1.22	y	4.301e+05	8.2214
34:09	6.700e+04	5.745e+04	1.17	y	1.245e+05	2.8913
35:09	4.176e+04	3.723e+04	1.12	y	7.899e+04	2.0649
35:13	4.178e+04	3.892e+04	1.07	y	8.070e+04	1.8366
						1,2,3,4,7,8-HxCDF
						1,2,3,6,7,8-HxCDF
						2,3,4,6,7,8-HxCDF
						1,2,3,7,8,9-HxCDF

Totals class: HpCDF EMPC

Entry #: 35

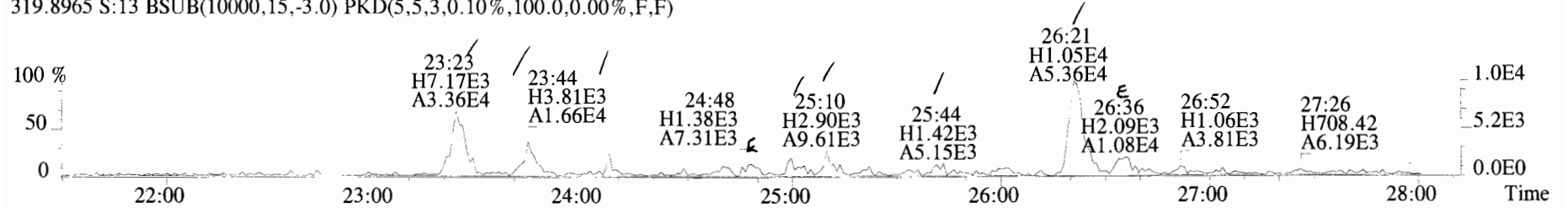
Run: 18 File: 191011D2 S: 13 I: 1 F: 4
Acquired: 12-OCT-19 10:50:09 Processed: 14-OCT-19 10:39:26

Total Concentration: 74.180

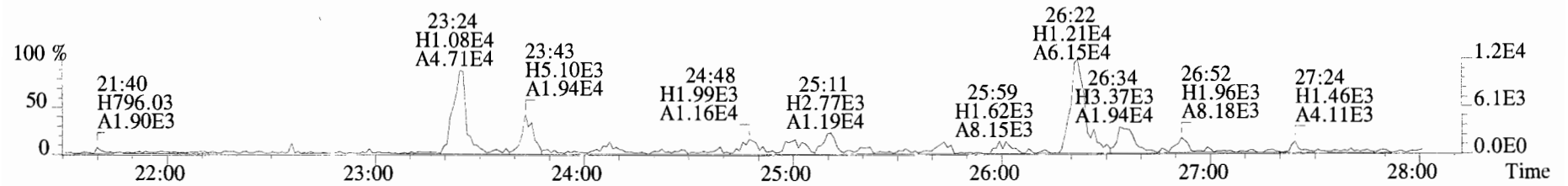
Unnamed Concentration: 41.580

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:59	4.103e+05	4.051e+05	1.01 y	8.154e+05	25.802	1,2,3,4,6,7,8-HpCDF ^P
37:19	1.049e+04	1.263e+04	0.83 n	2.057e+04	0.68313	
37:30	6.271e+05	6.047e+05	1.04 y	1.232e+06	40.897	
38:43	9.583e+04	9.936e+04	0.96 y	1.952e+05	6.7979	1,2,3,4,7,8,9-HpCDF

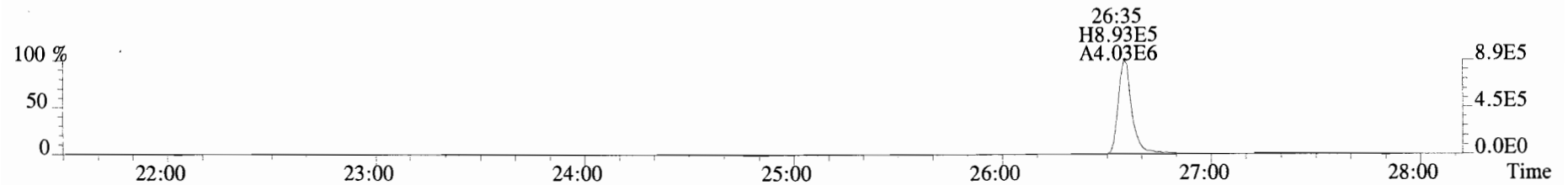
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



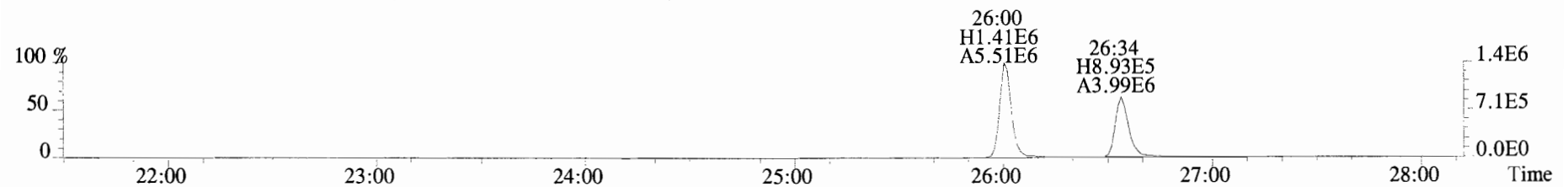
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



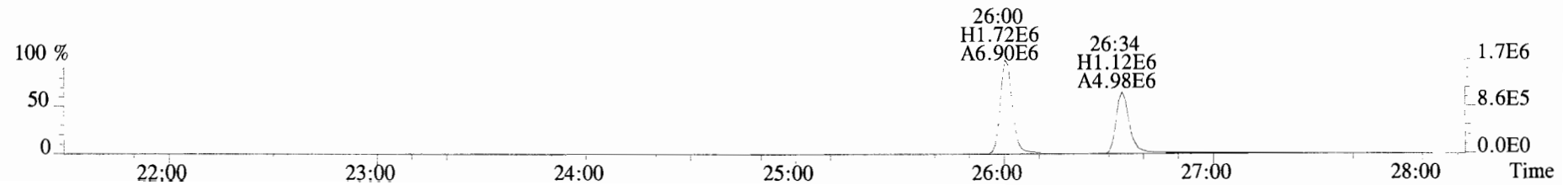
327.8847 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



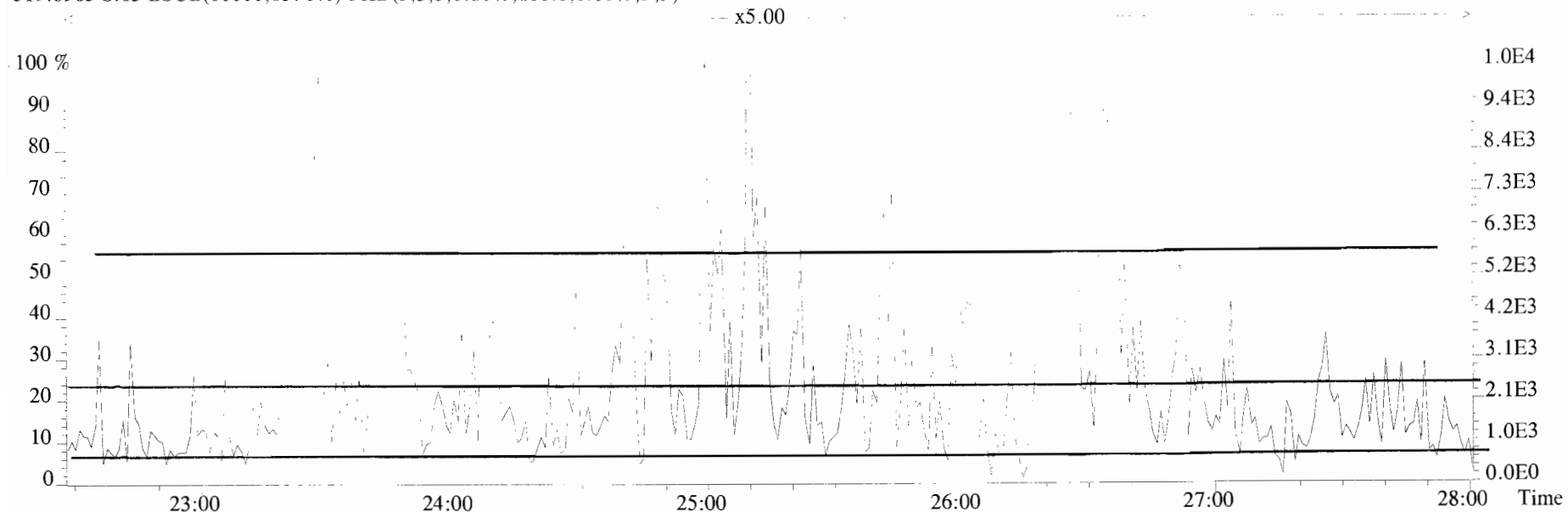
331.9368 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



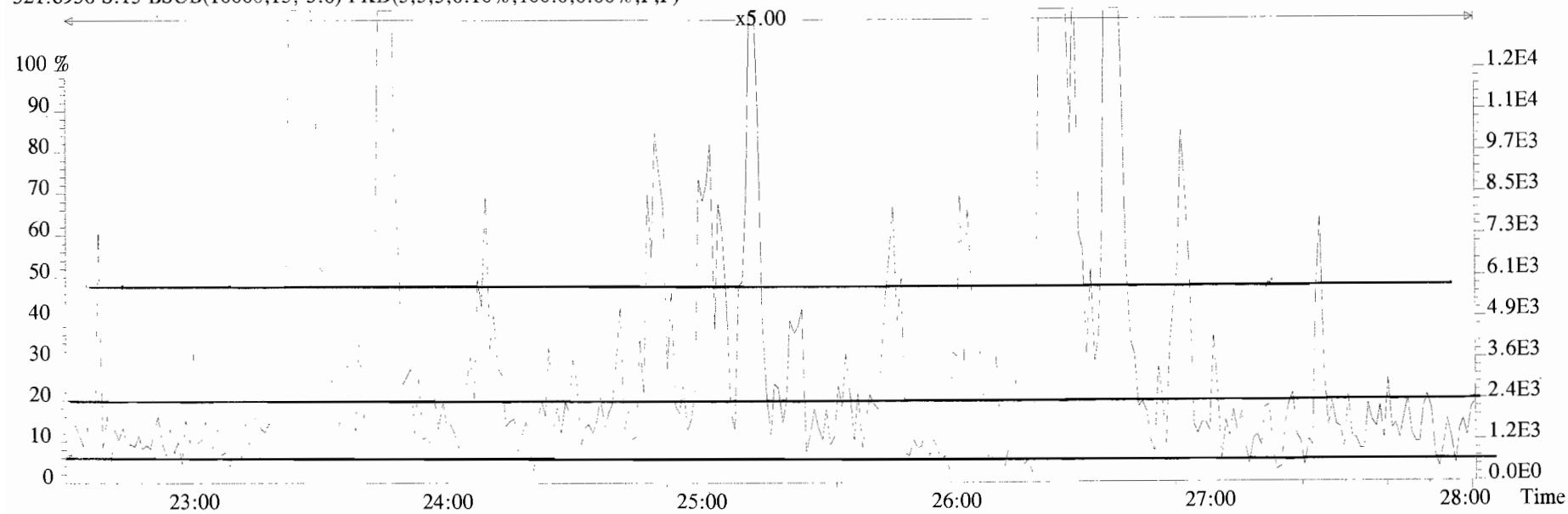
333.9339 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



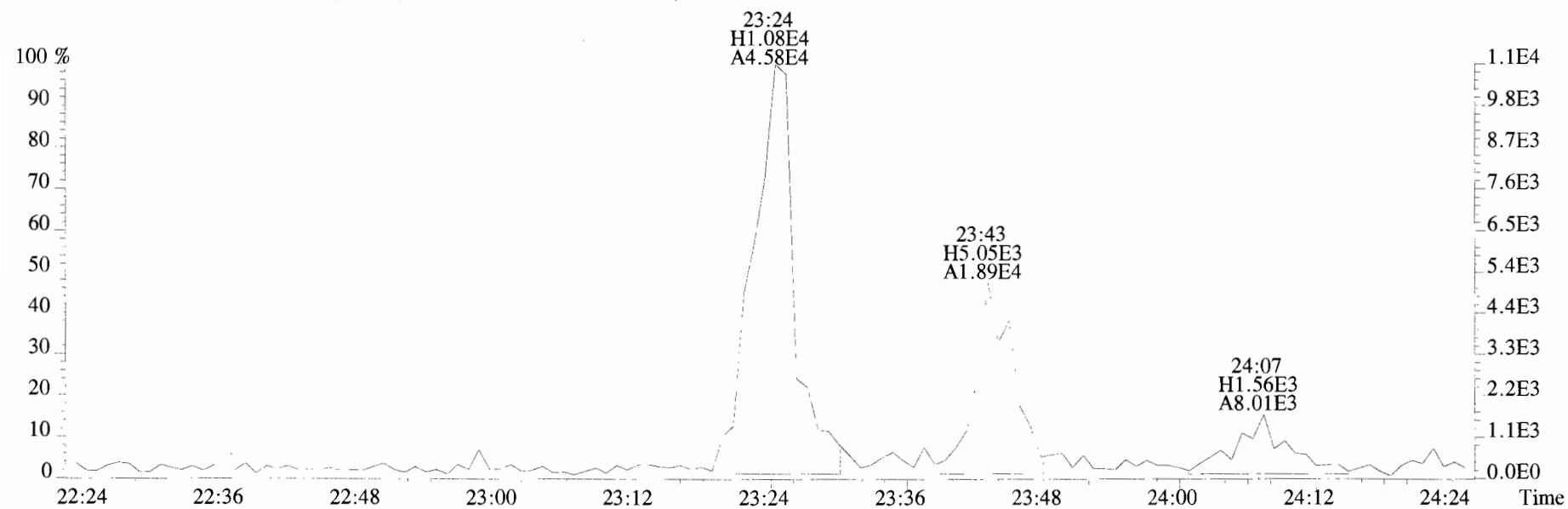
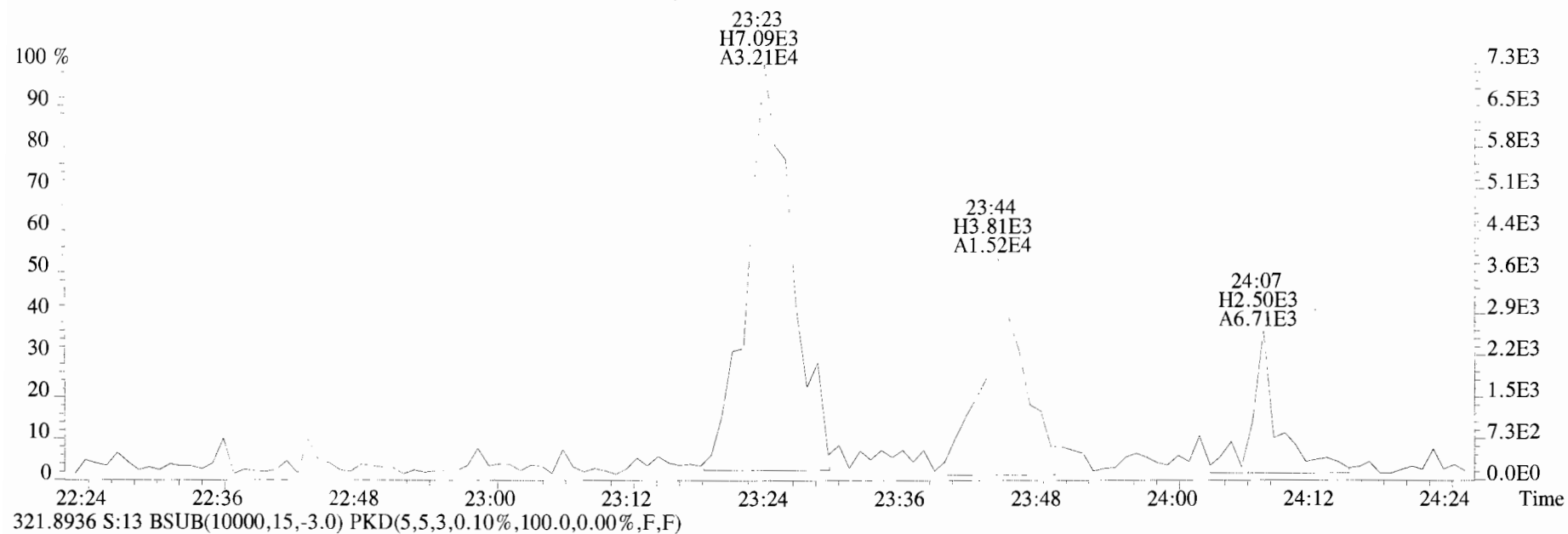
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Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-I01SG-00-01-190923 26.9 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



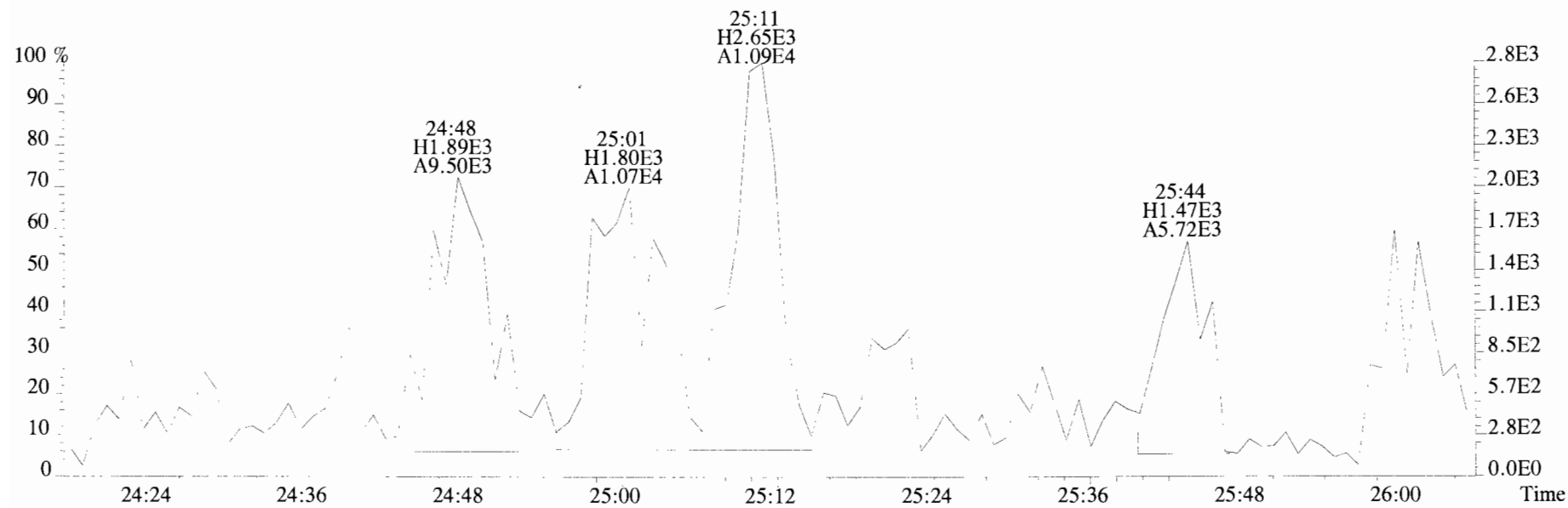
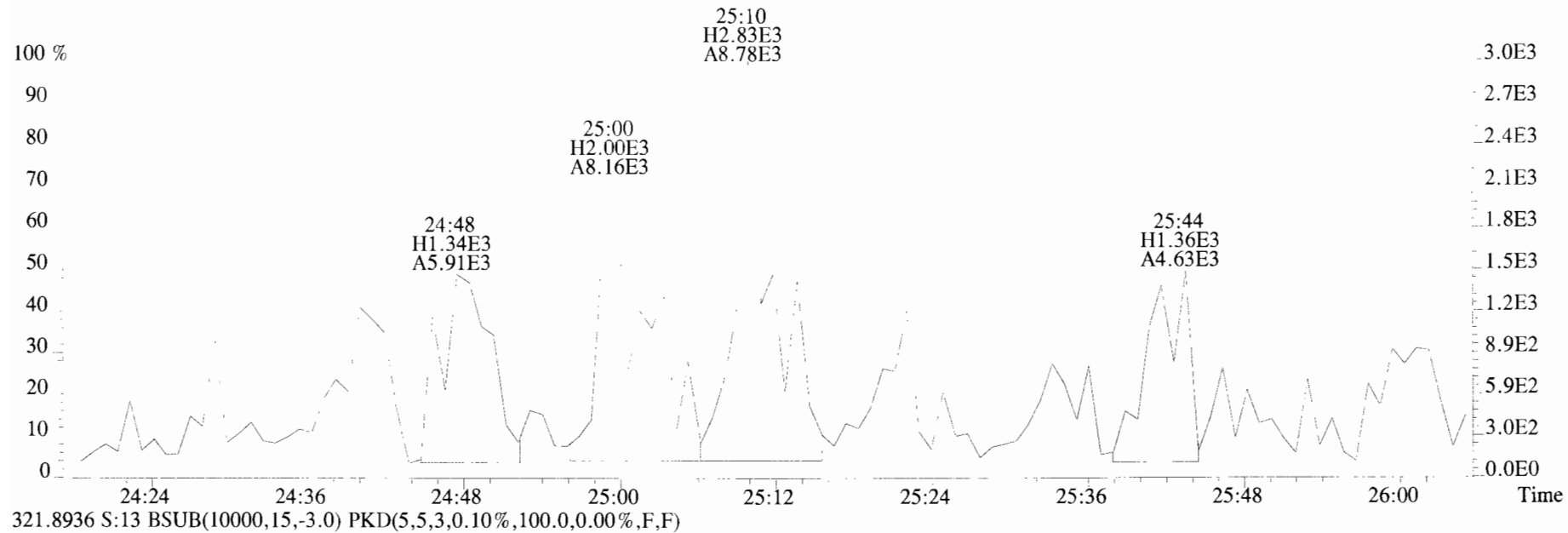
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



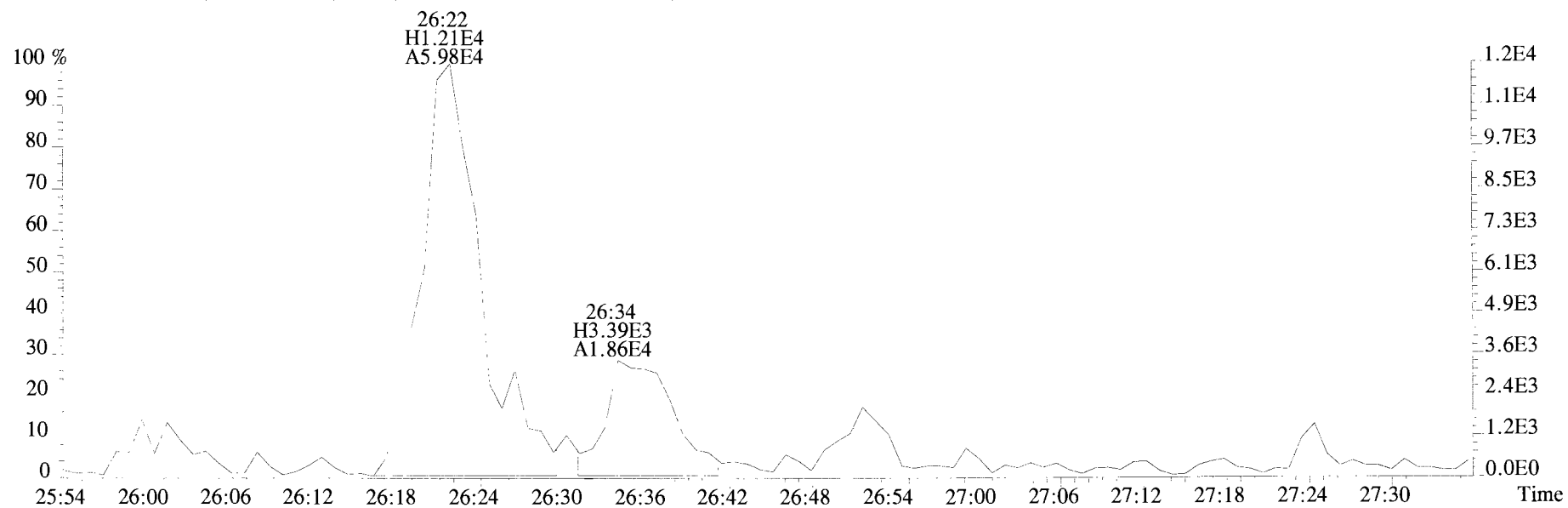
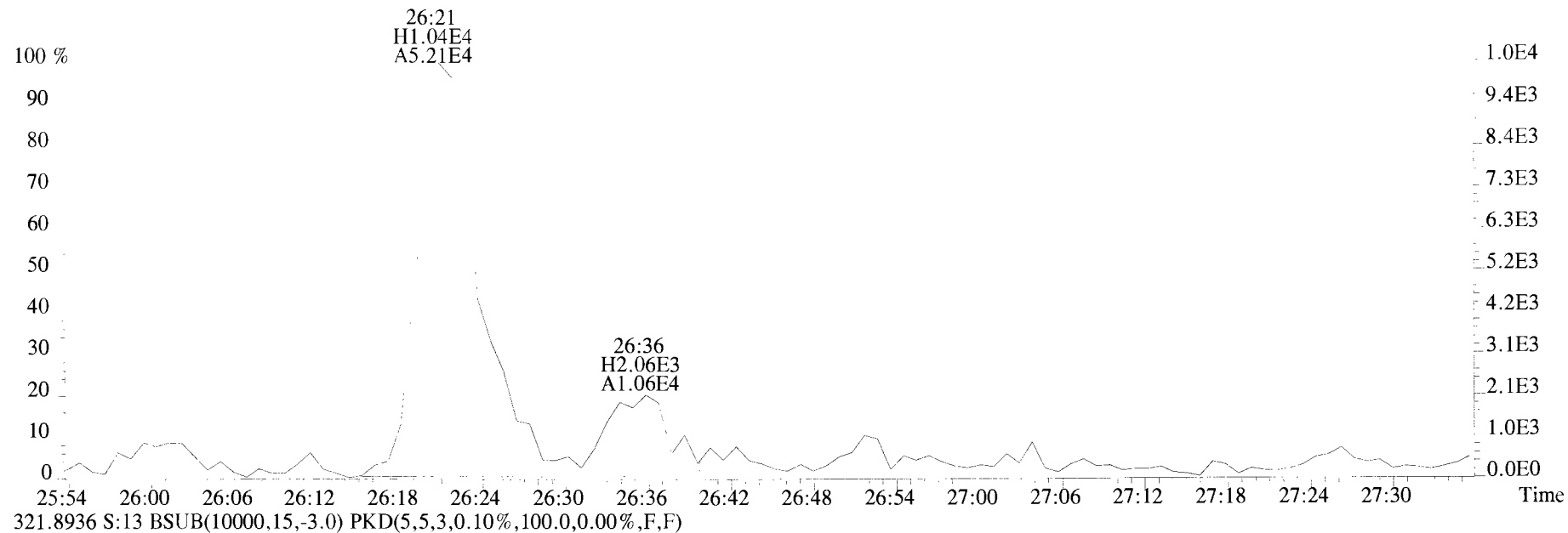
File: 191011D2 #1-514 Acq: 12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text: Vista Analytical Laboratory VG7 Text: 1903285-05 PDI-101SG-00-01-190923 26.9 Exp: OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



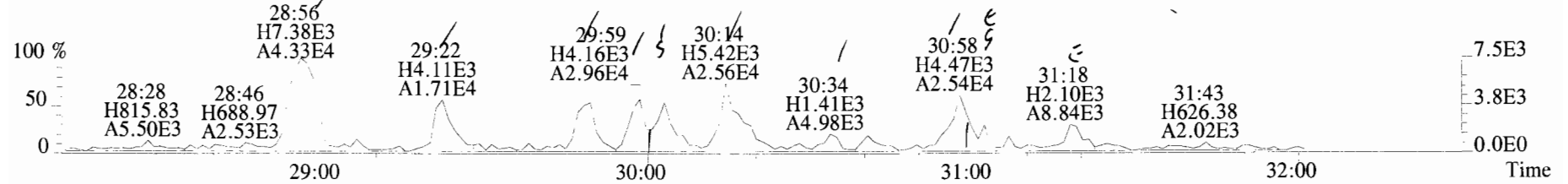
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



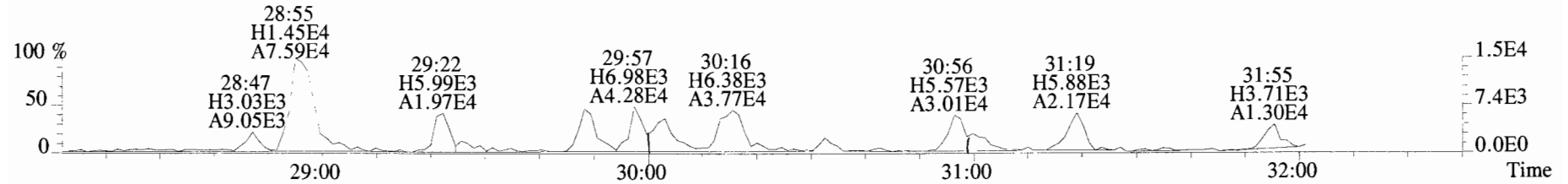
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



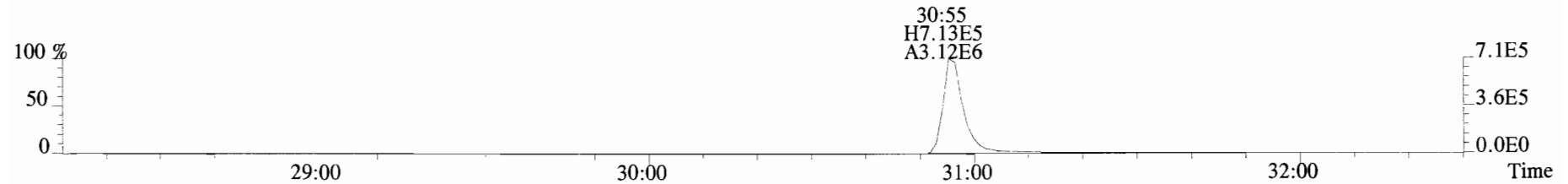
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



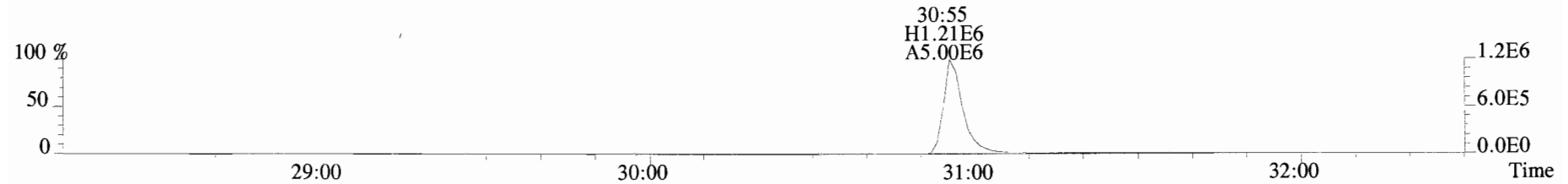
355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



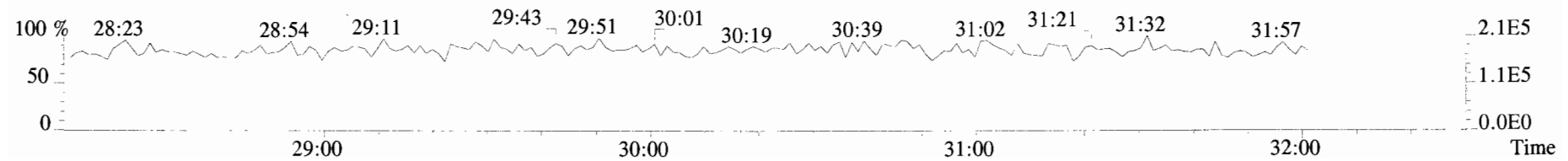
365.8978 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



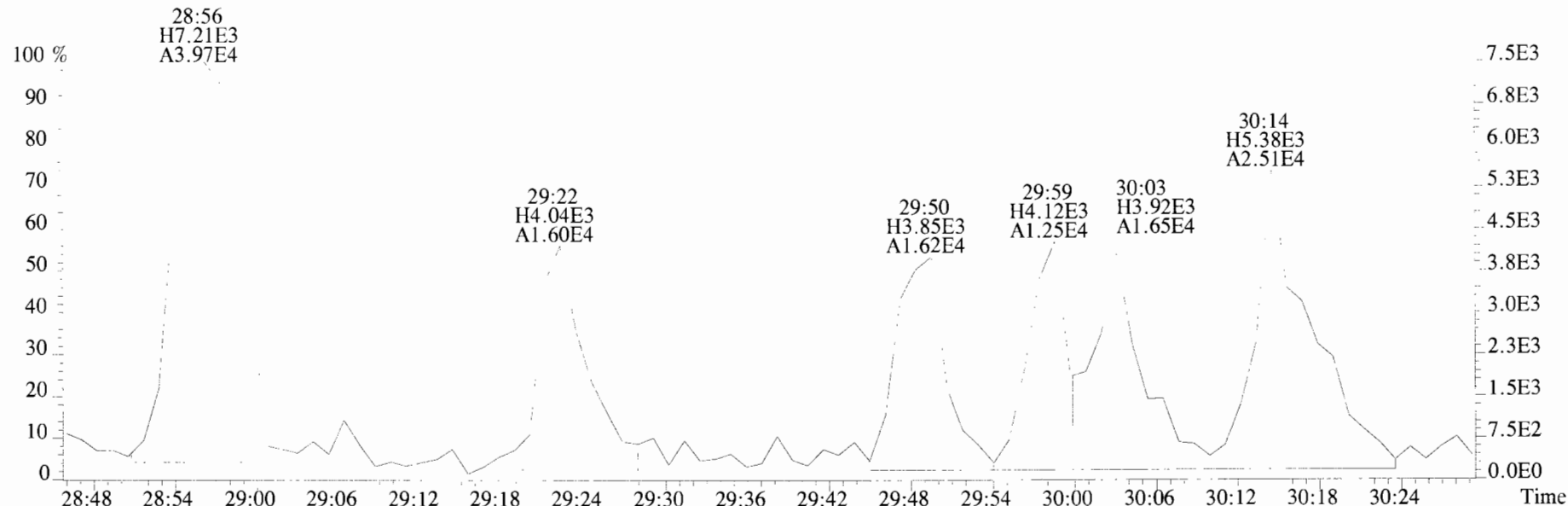
367.8949 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



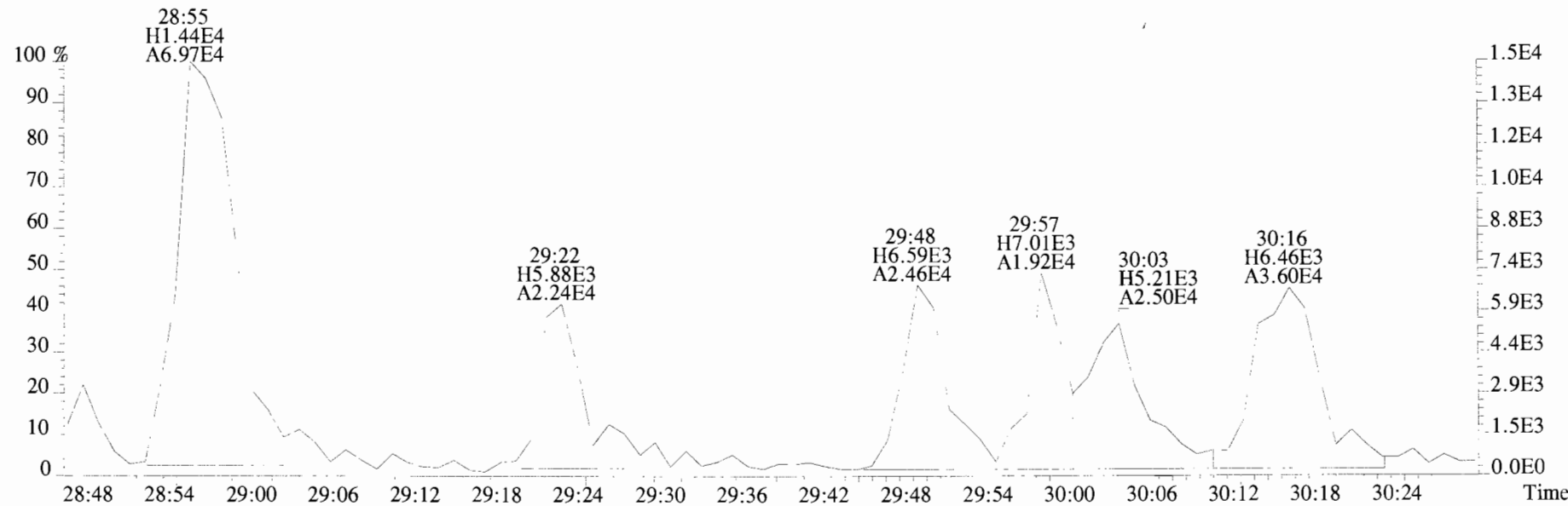
366.9792 S:13 F:2



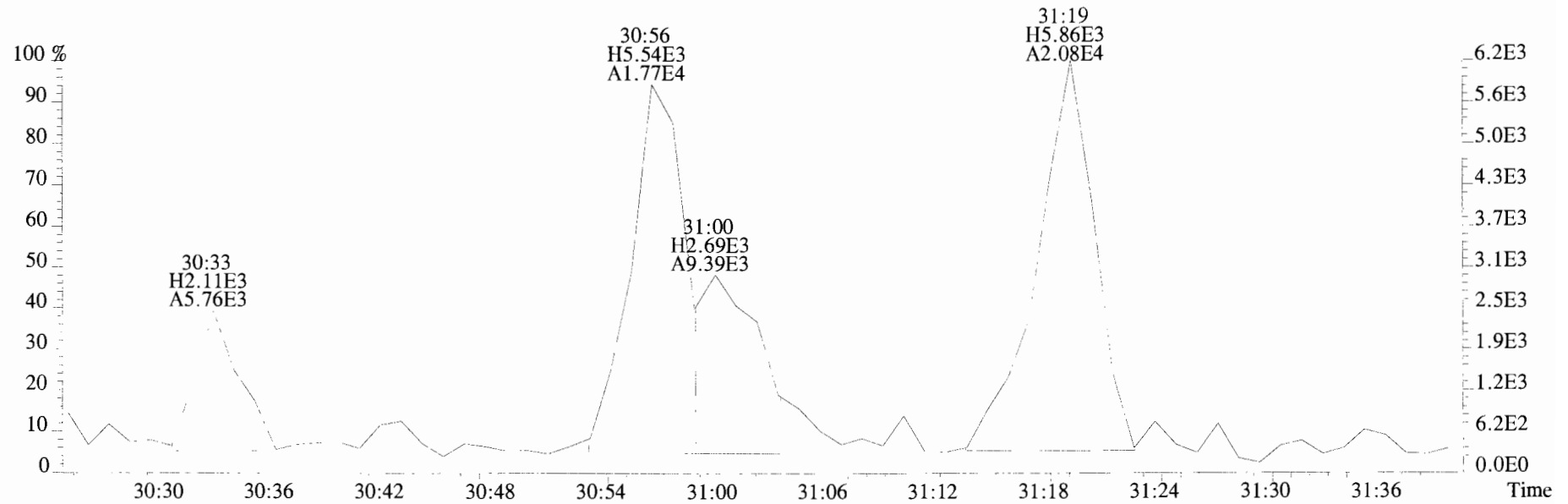
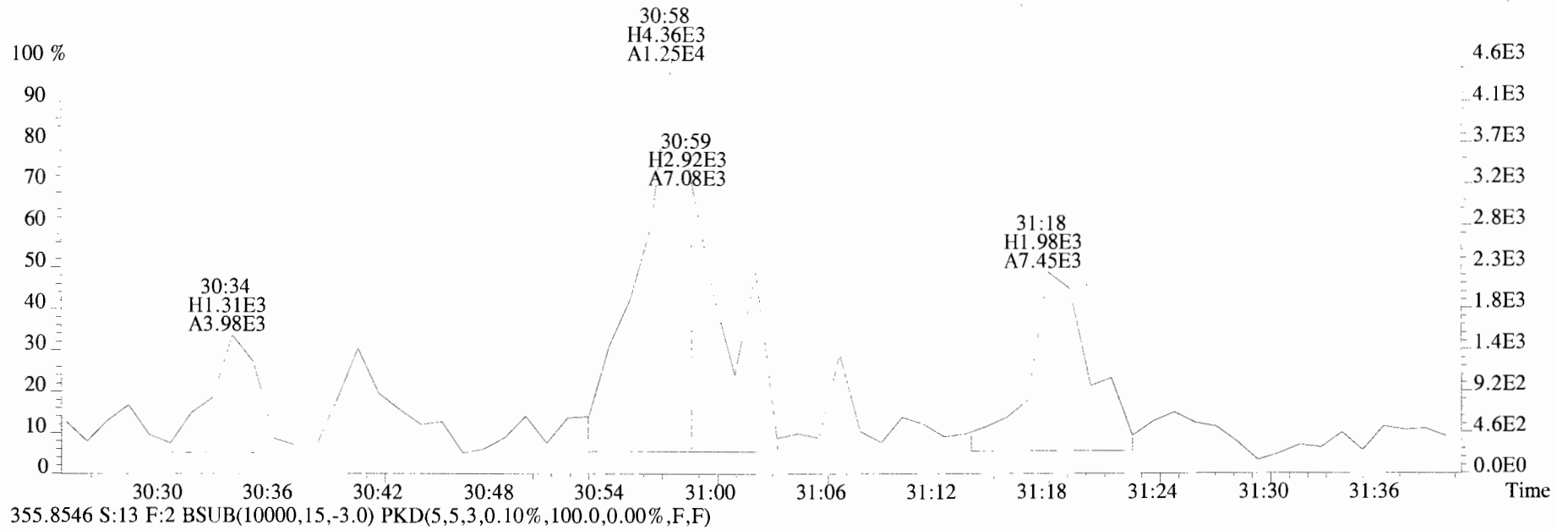
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



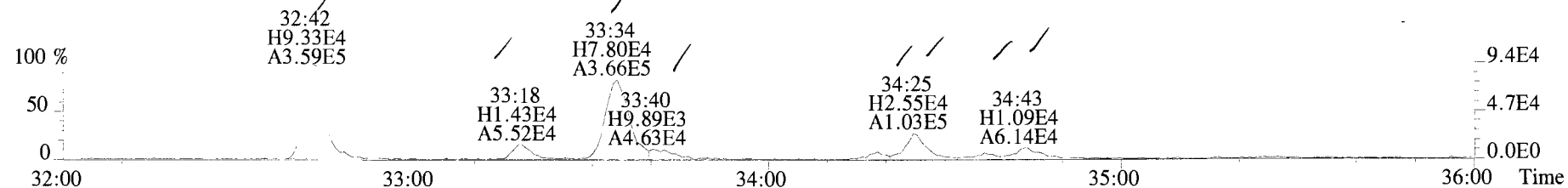
355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



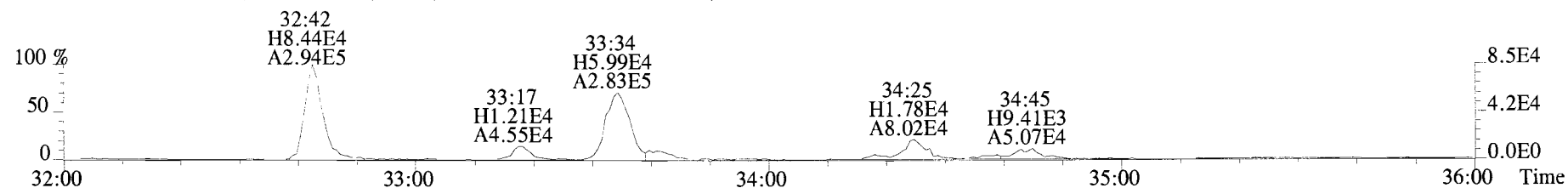
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



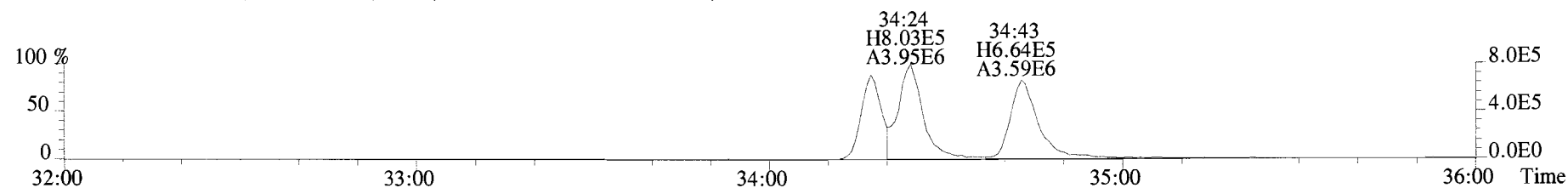
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



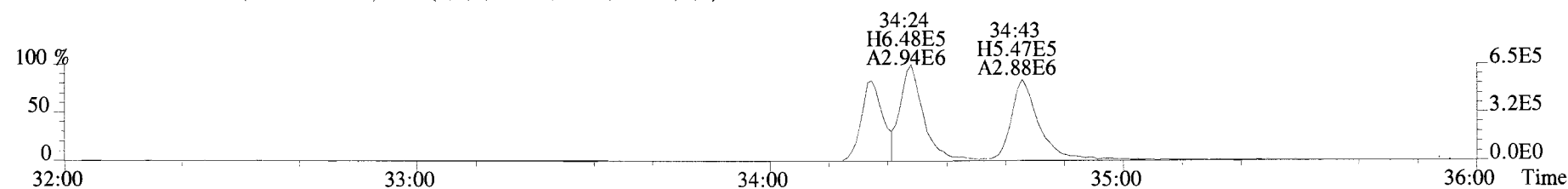
391.8127 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



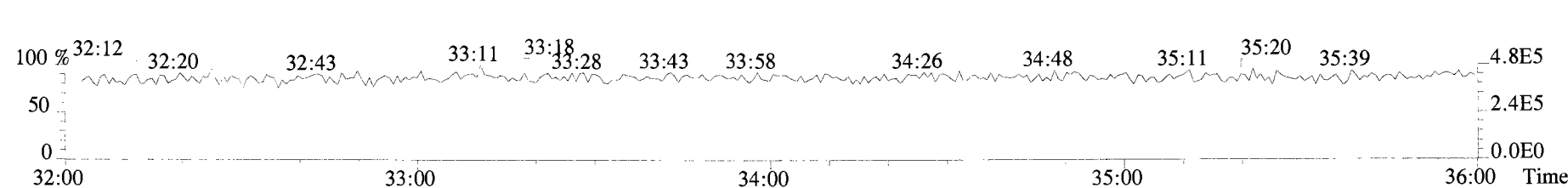
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



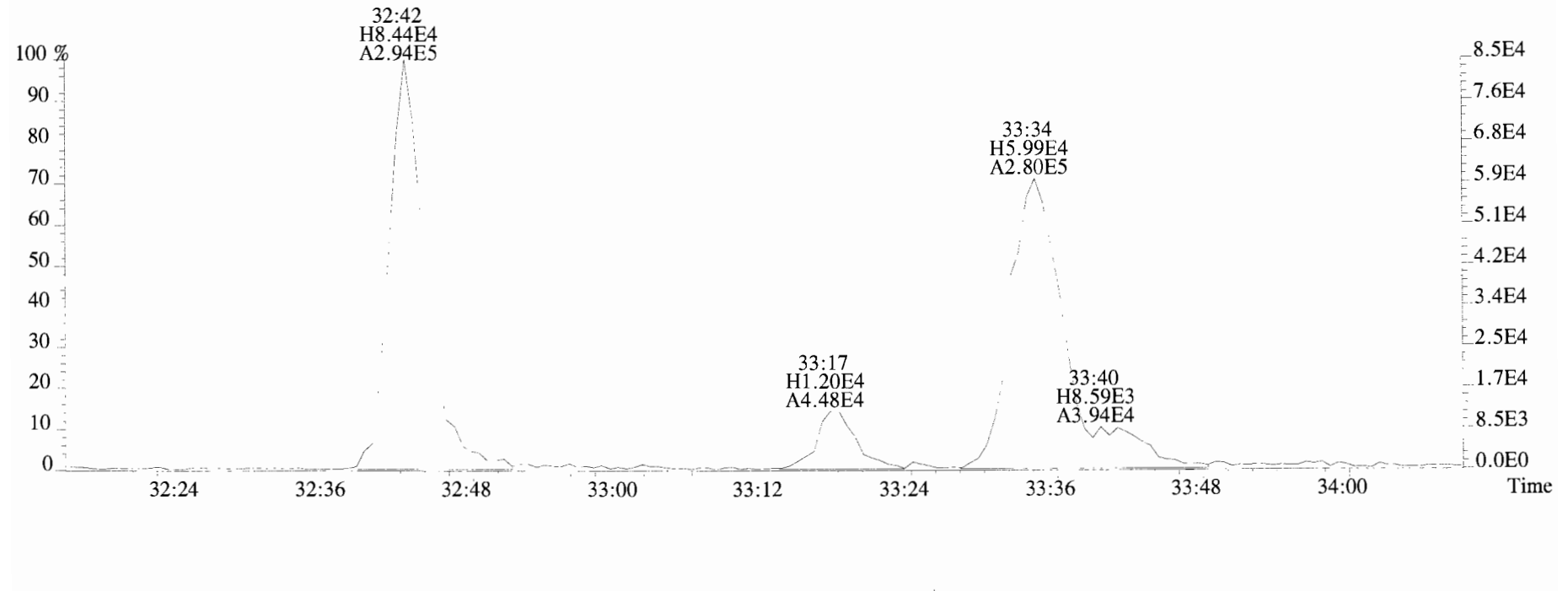
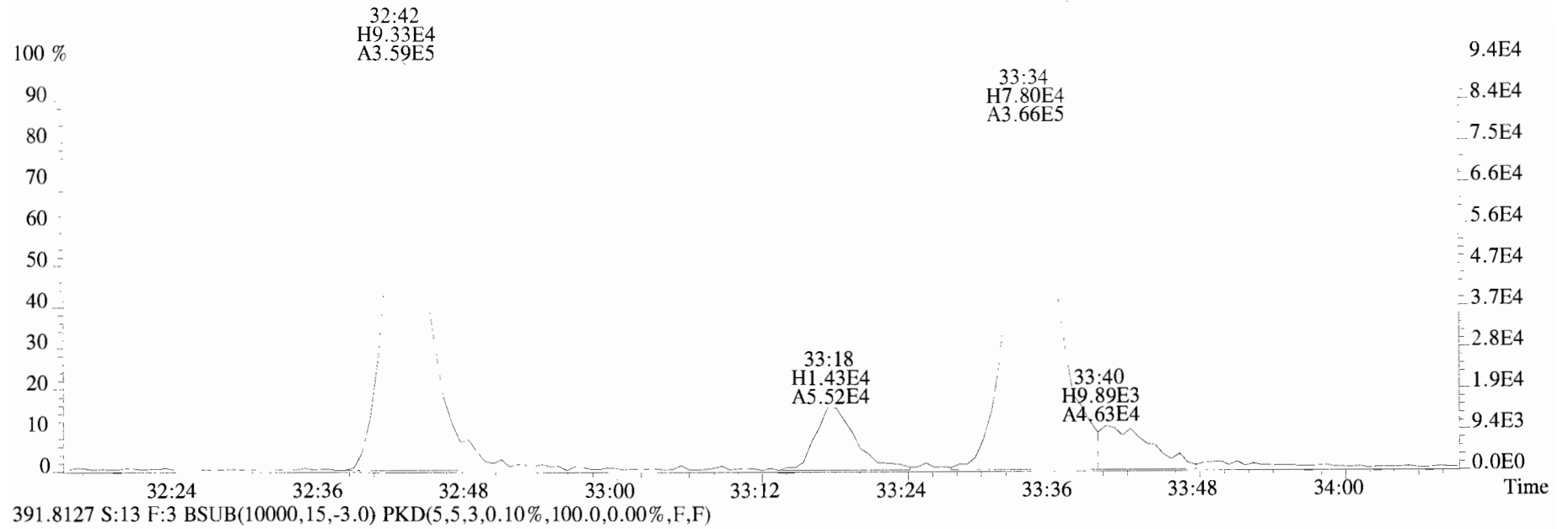
403.8530 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



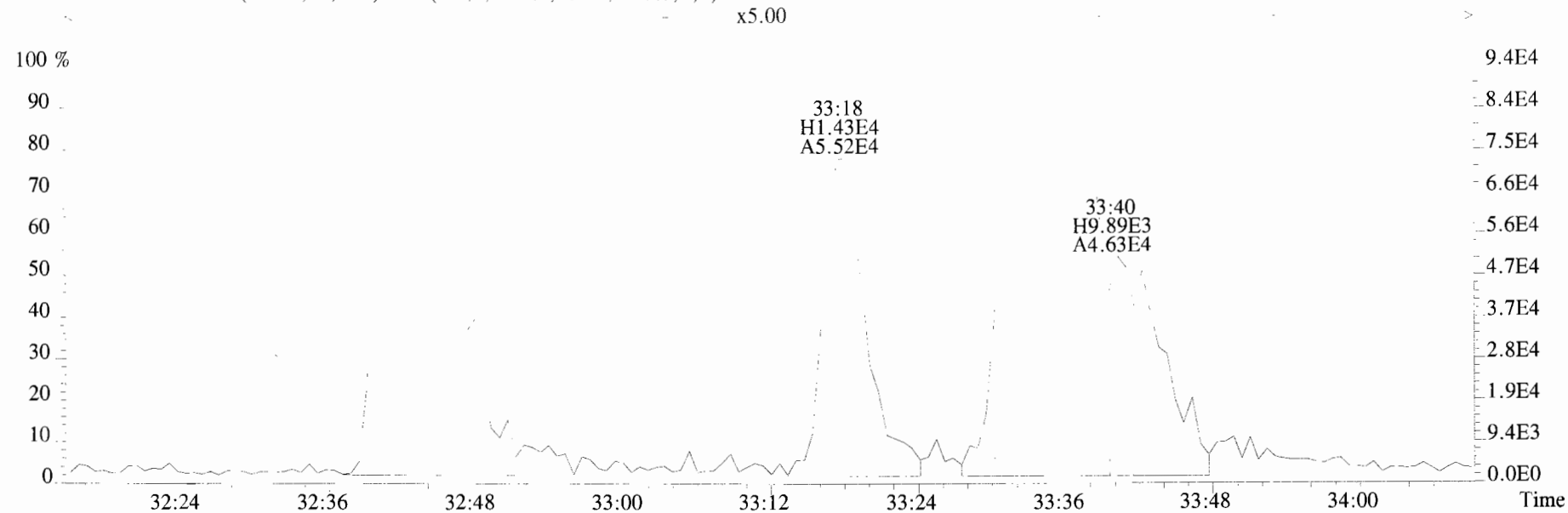
392.9760 S:13 F:3



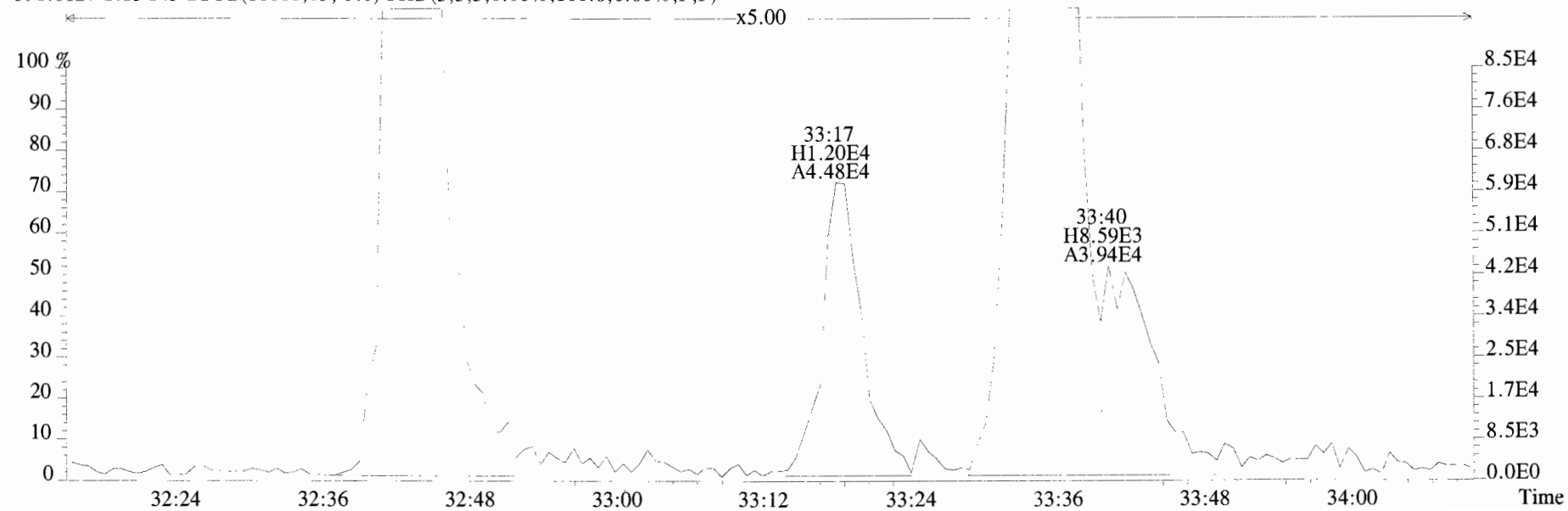
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-I01SG-00-01-190923 26.9 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



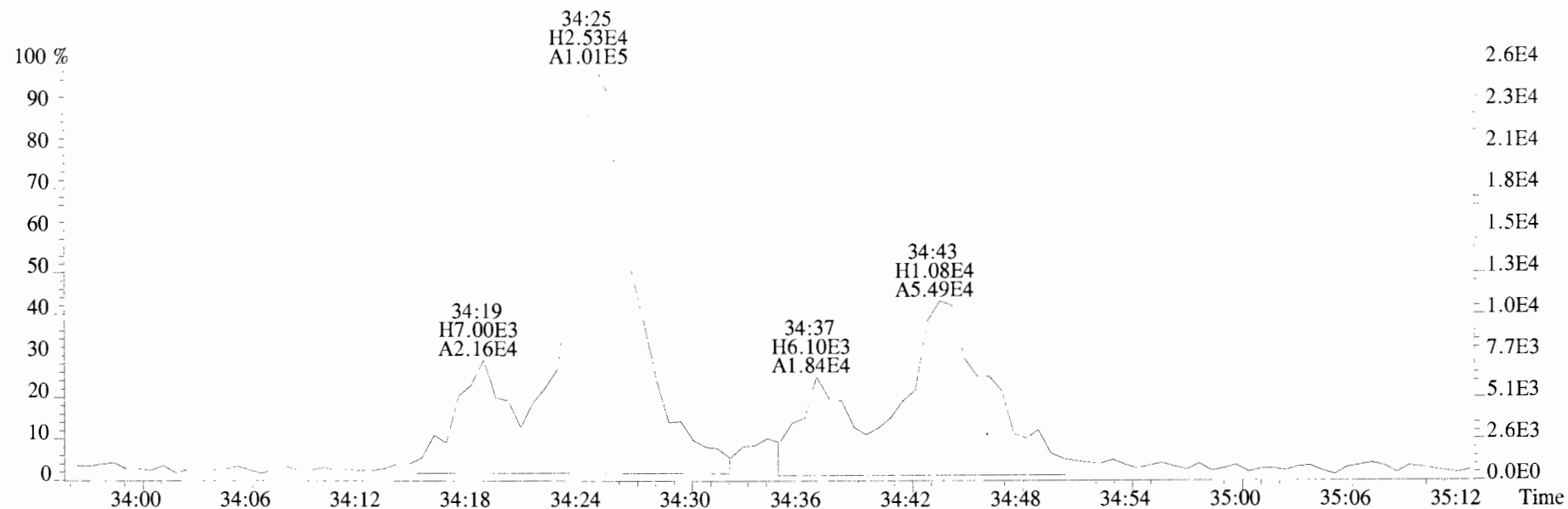
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F)



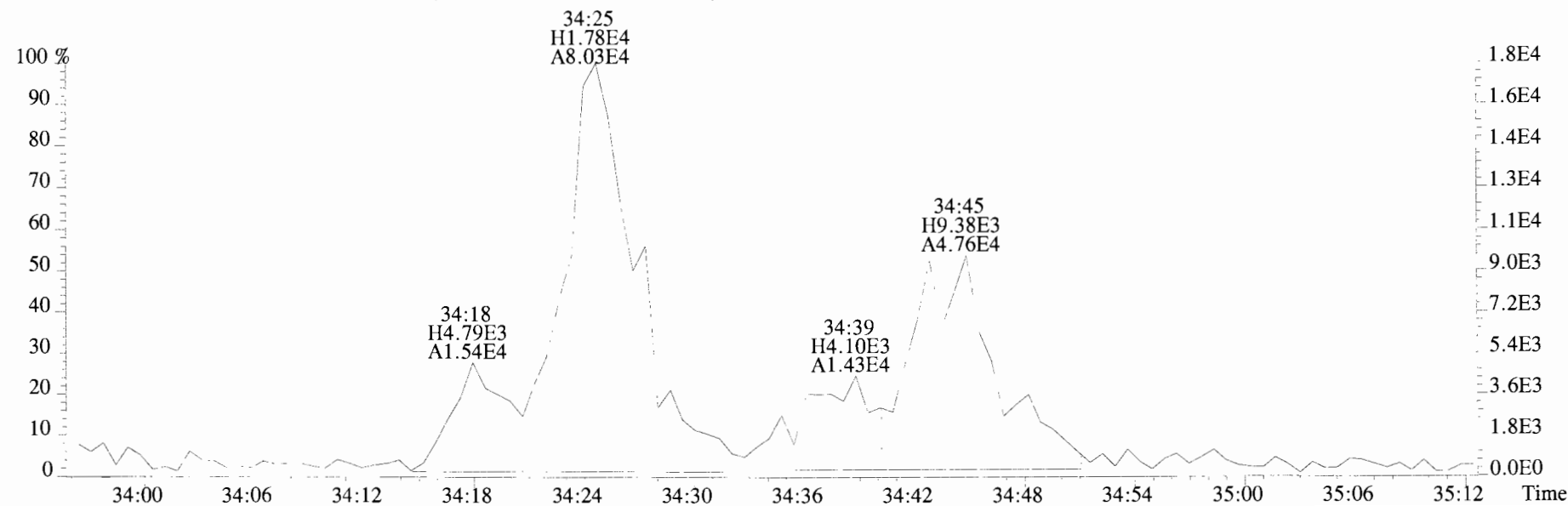
391.8127 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



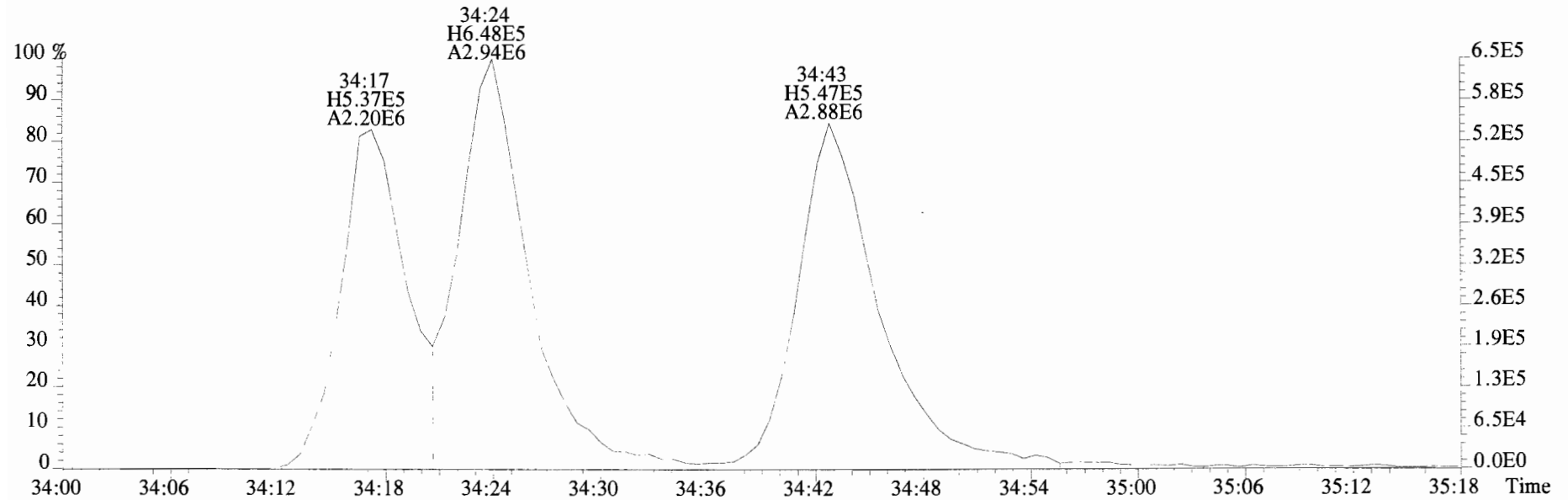
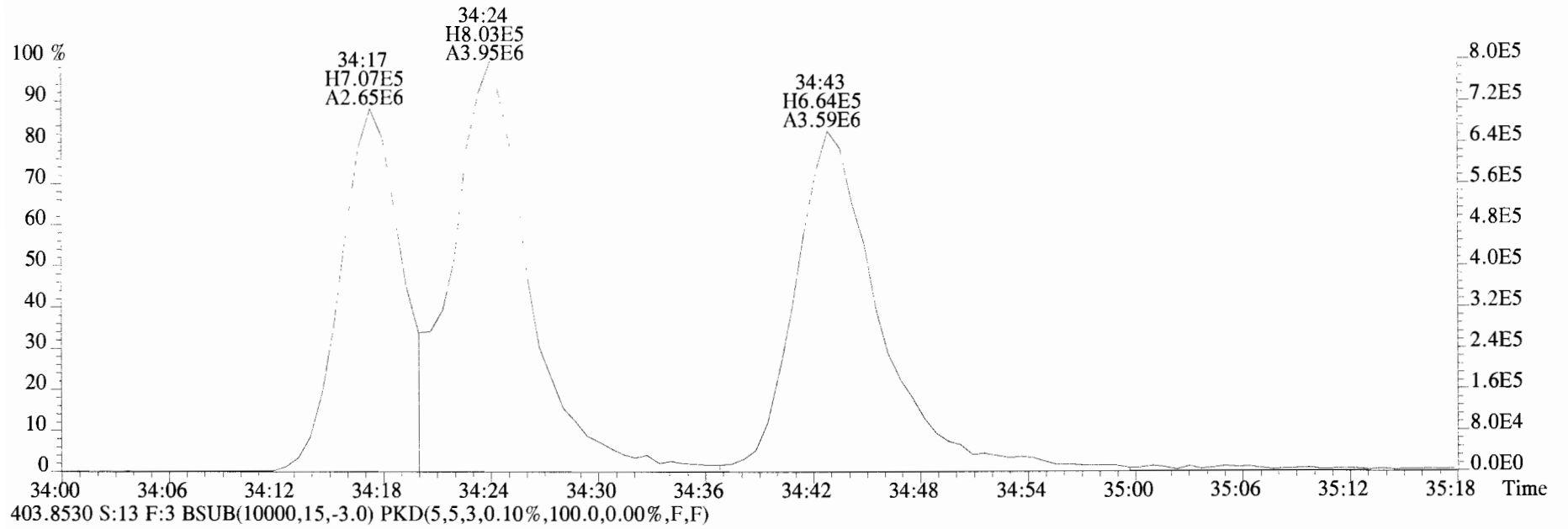
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



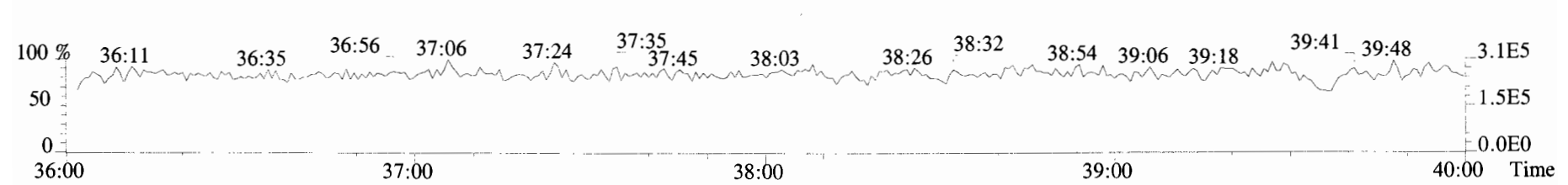
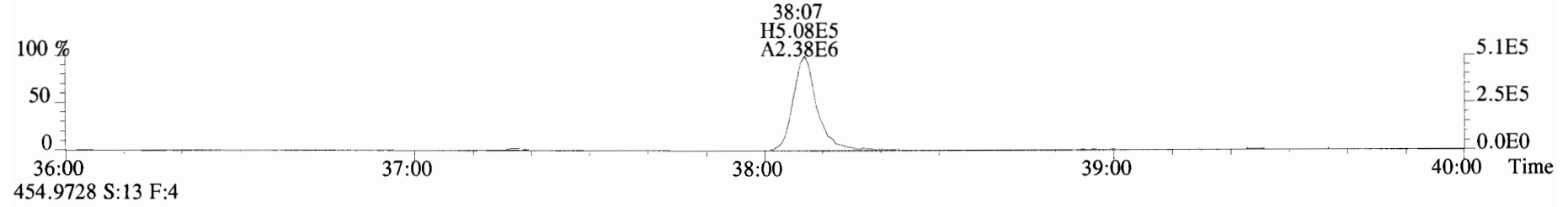
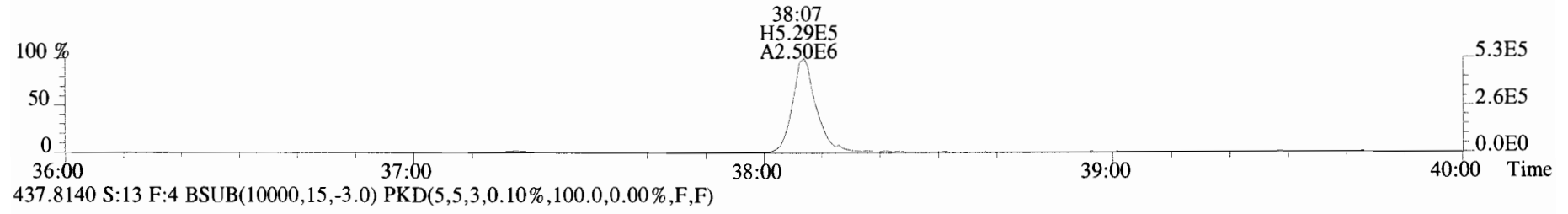
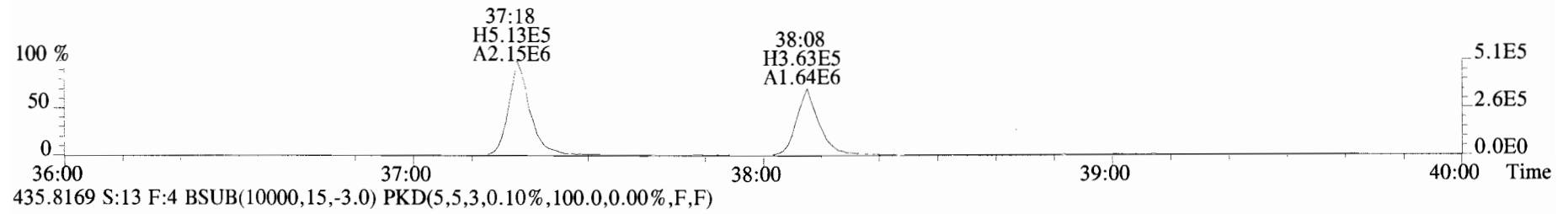
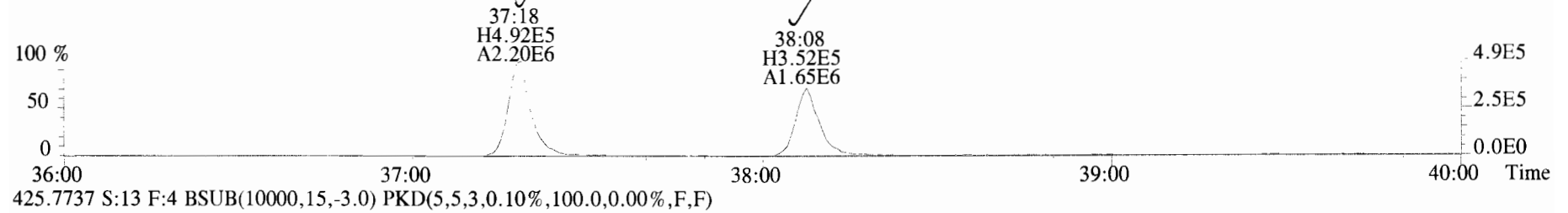
391.8127 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



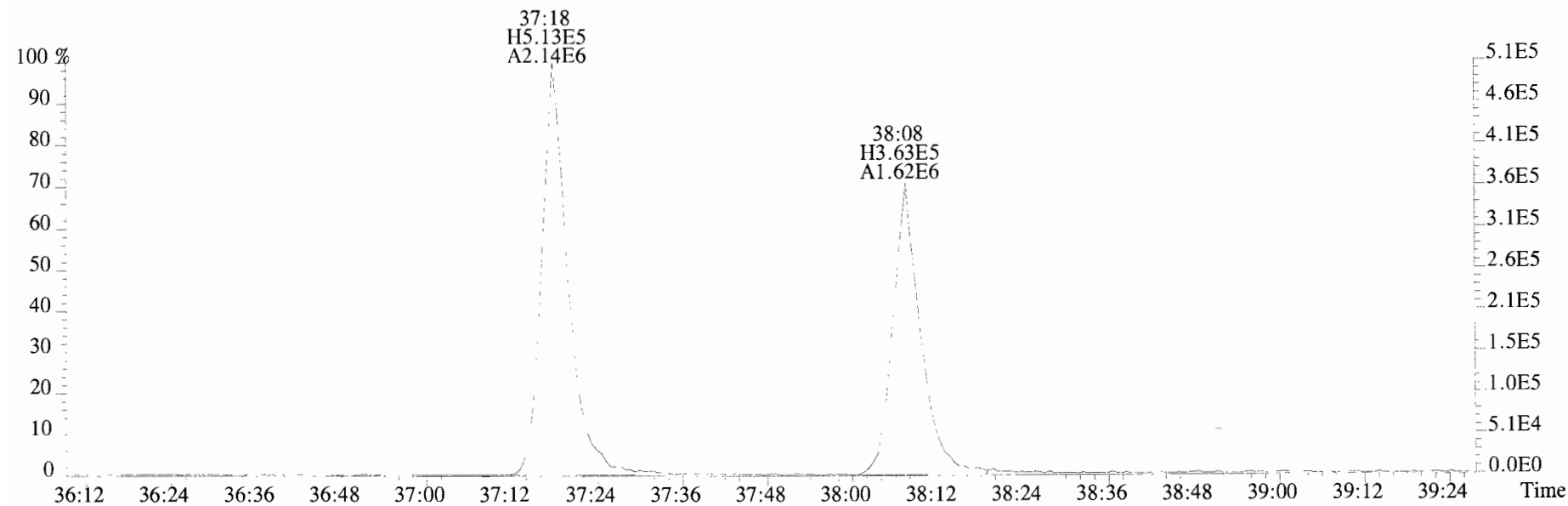
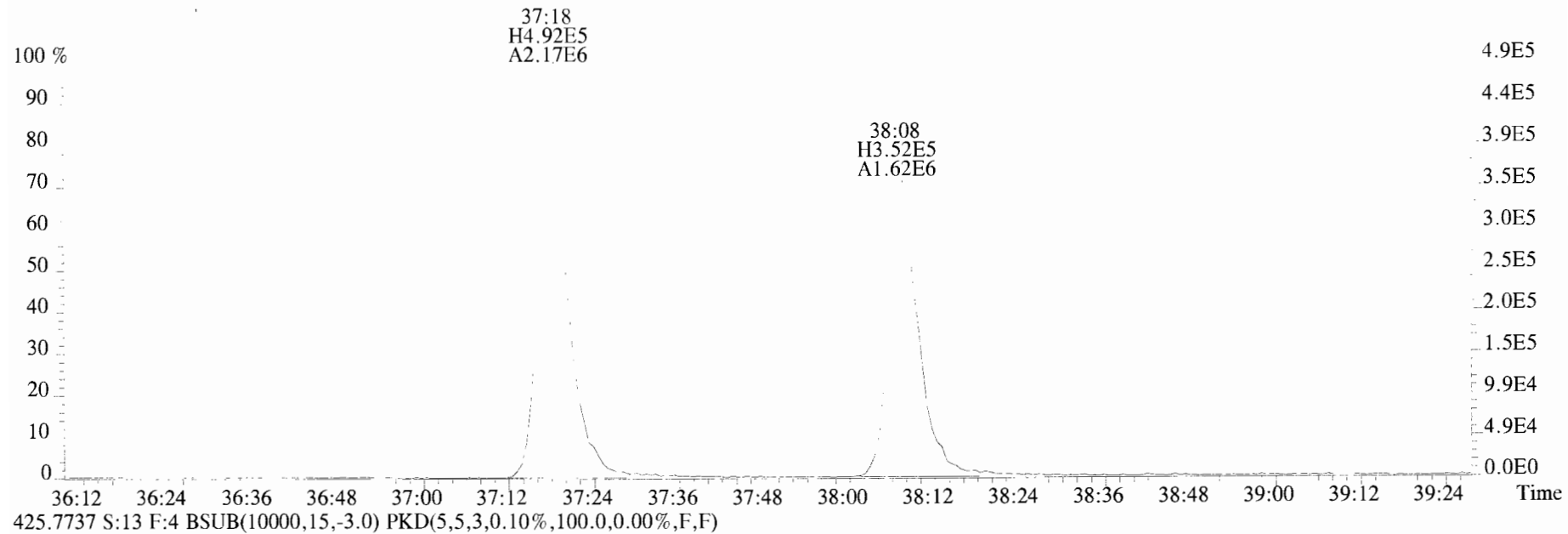
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
401.8559 S:13 F:3 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



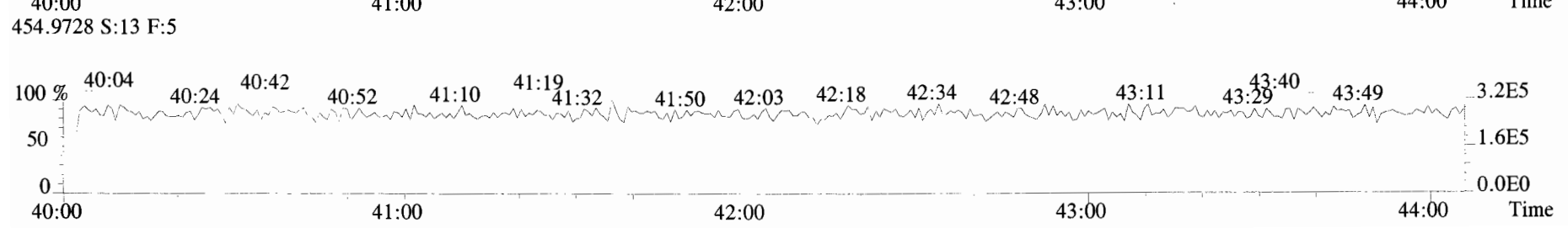
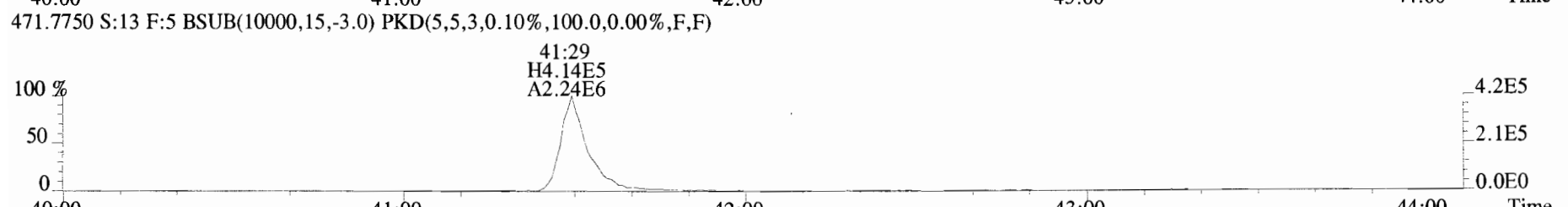
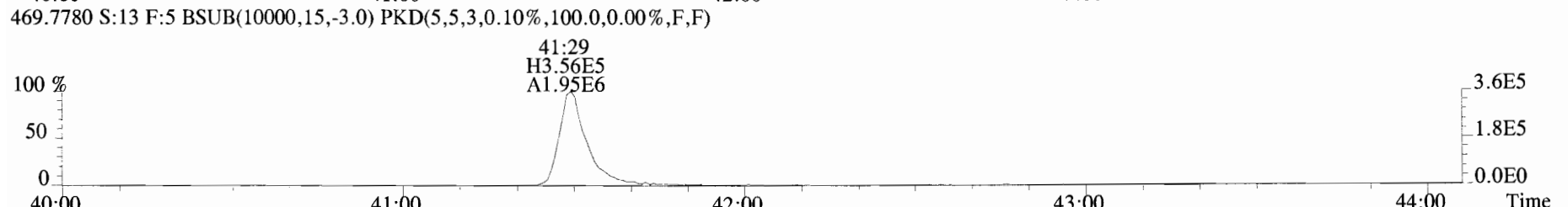
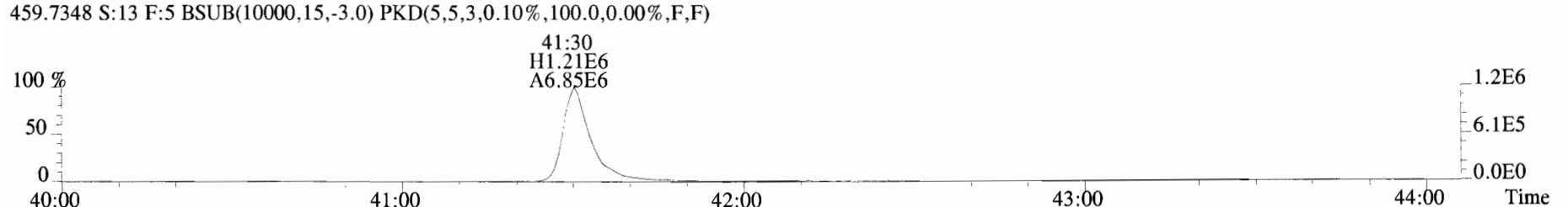
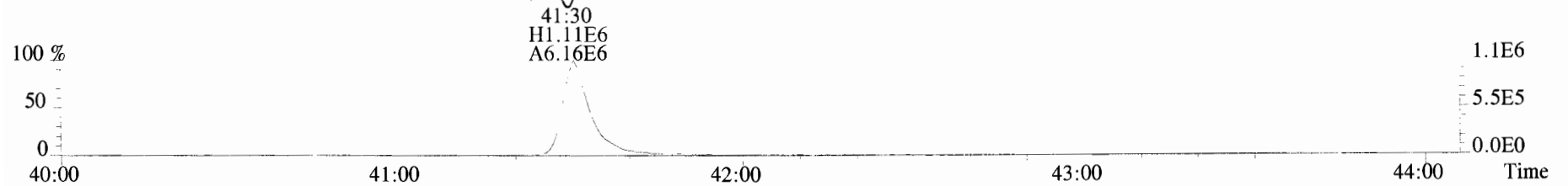
File:191011D2 #1-356 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text: Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



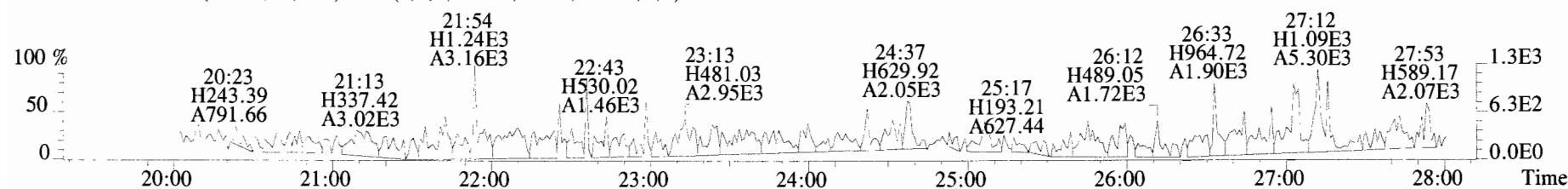
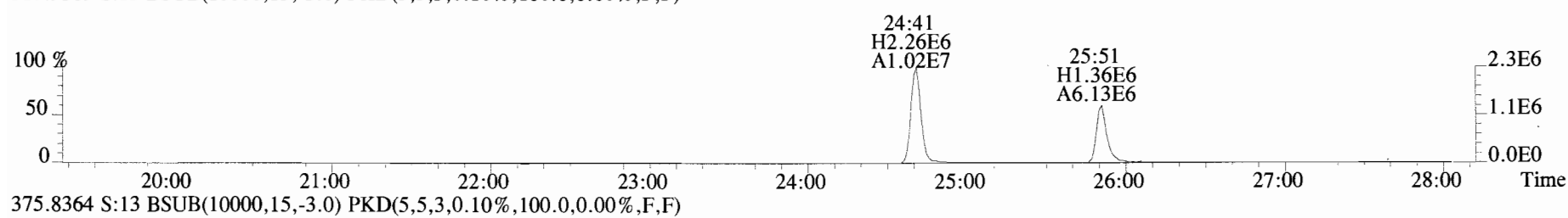
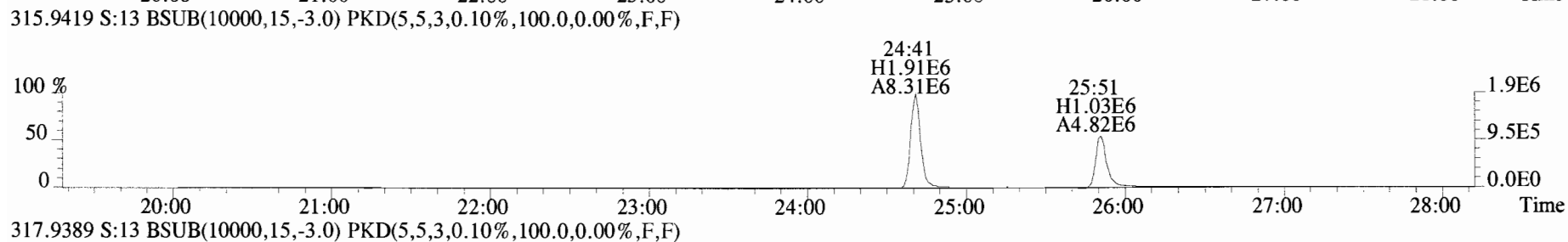
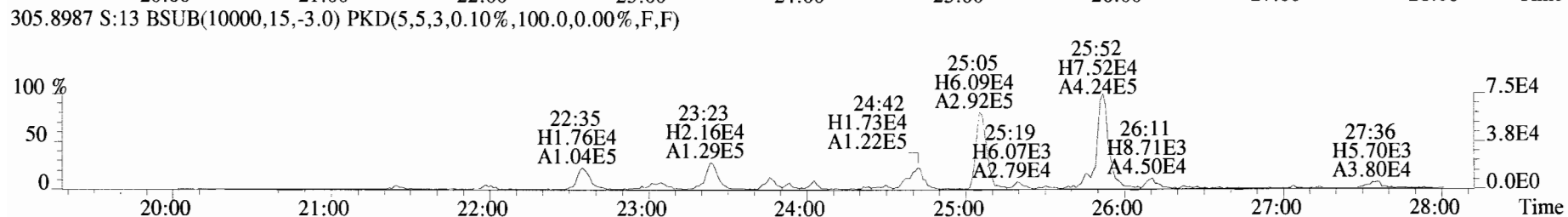
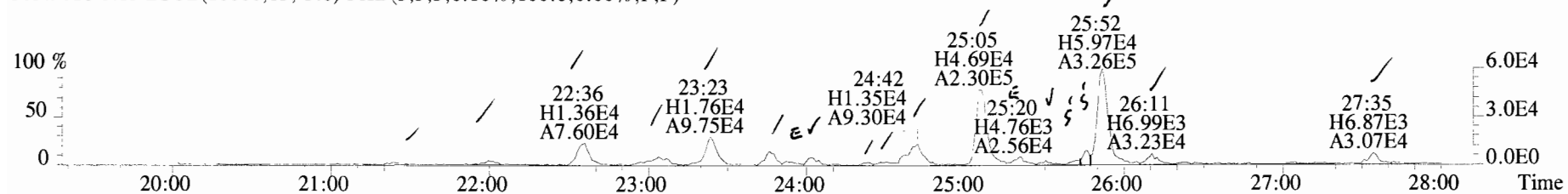
File:191011D2 #1-356 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



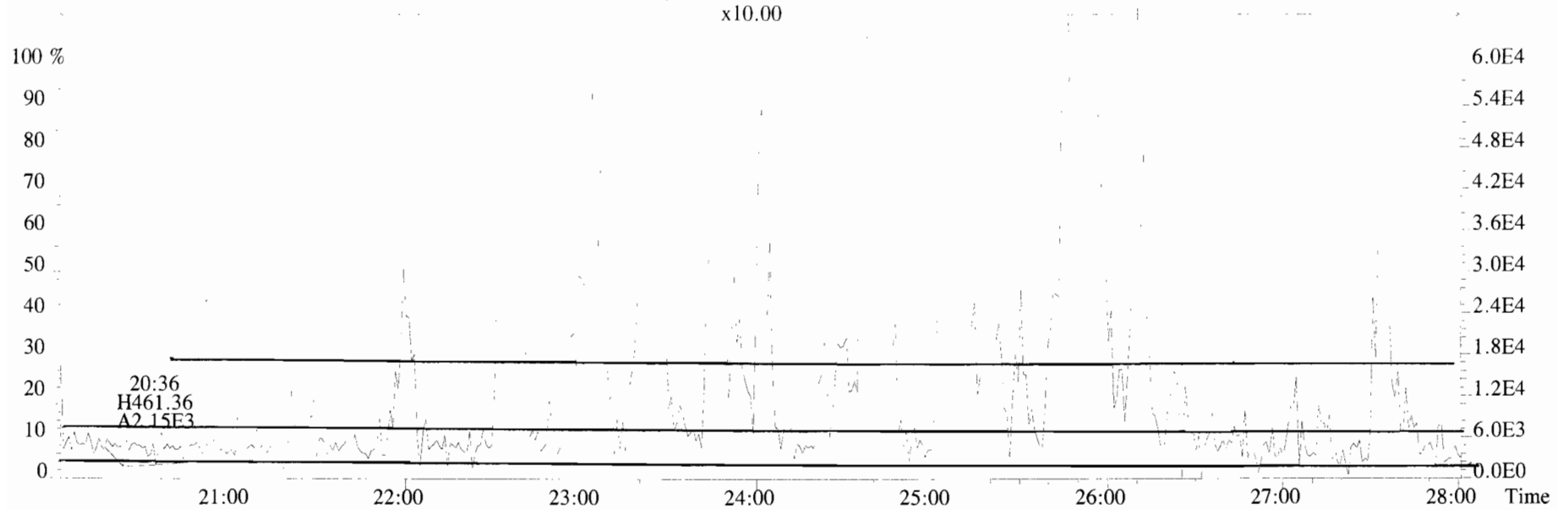
File:191011D2 #1-432 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
457.7377 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



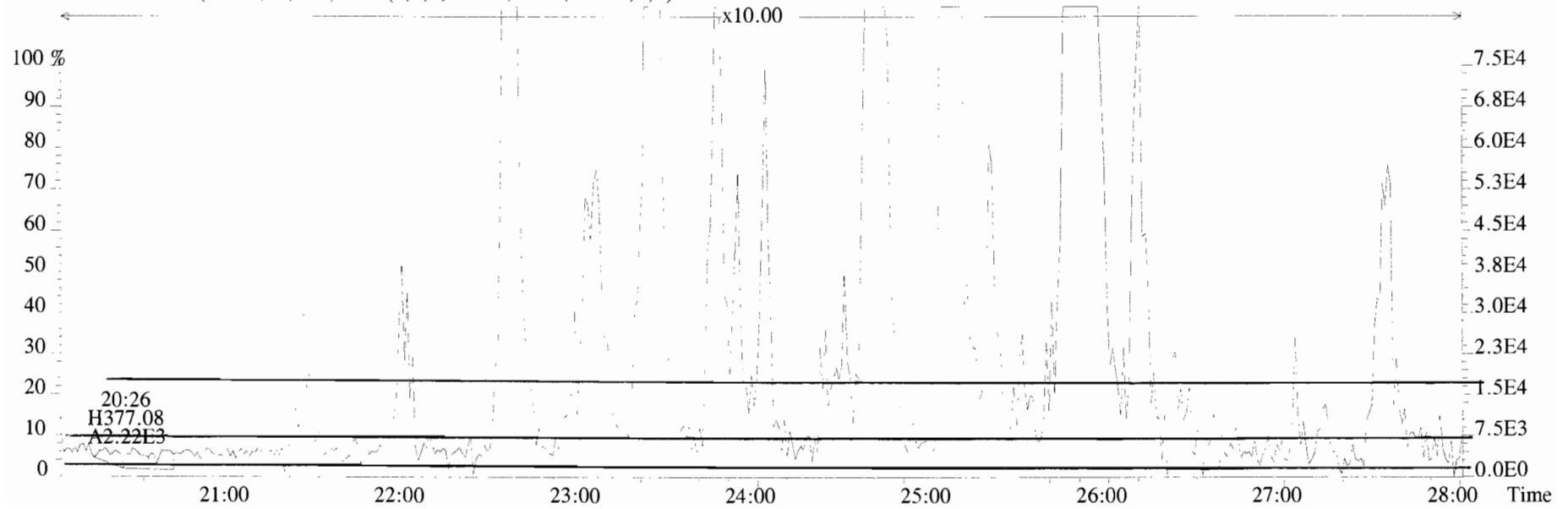
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



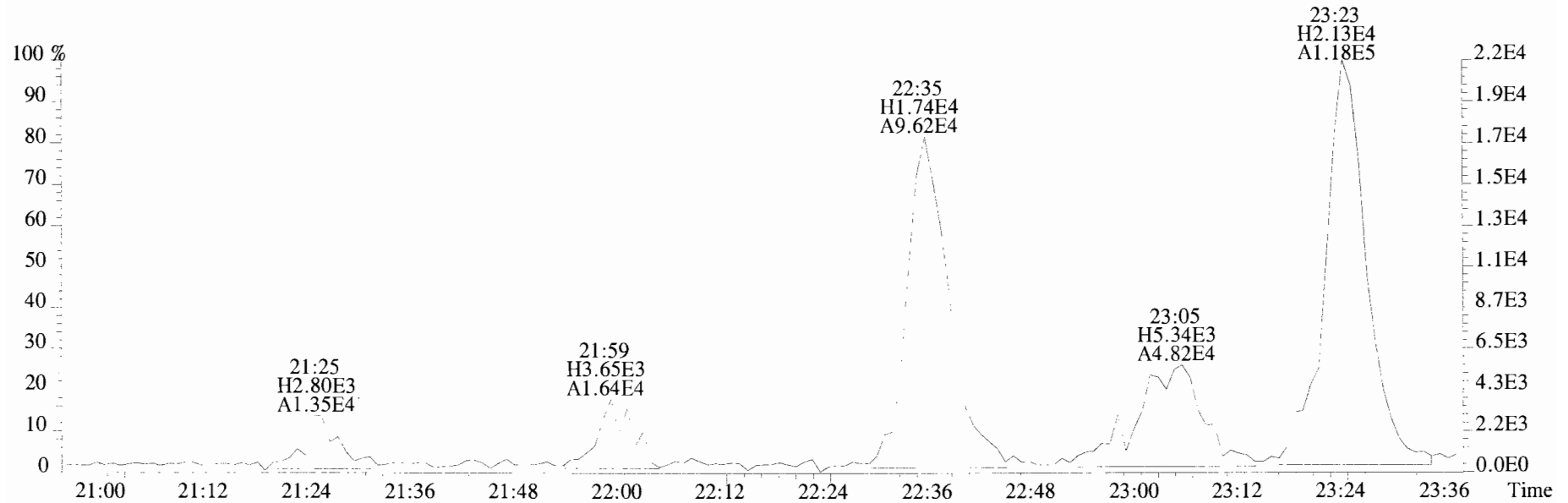
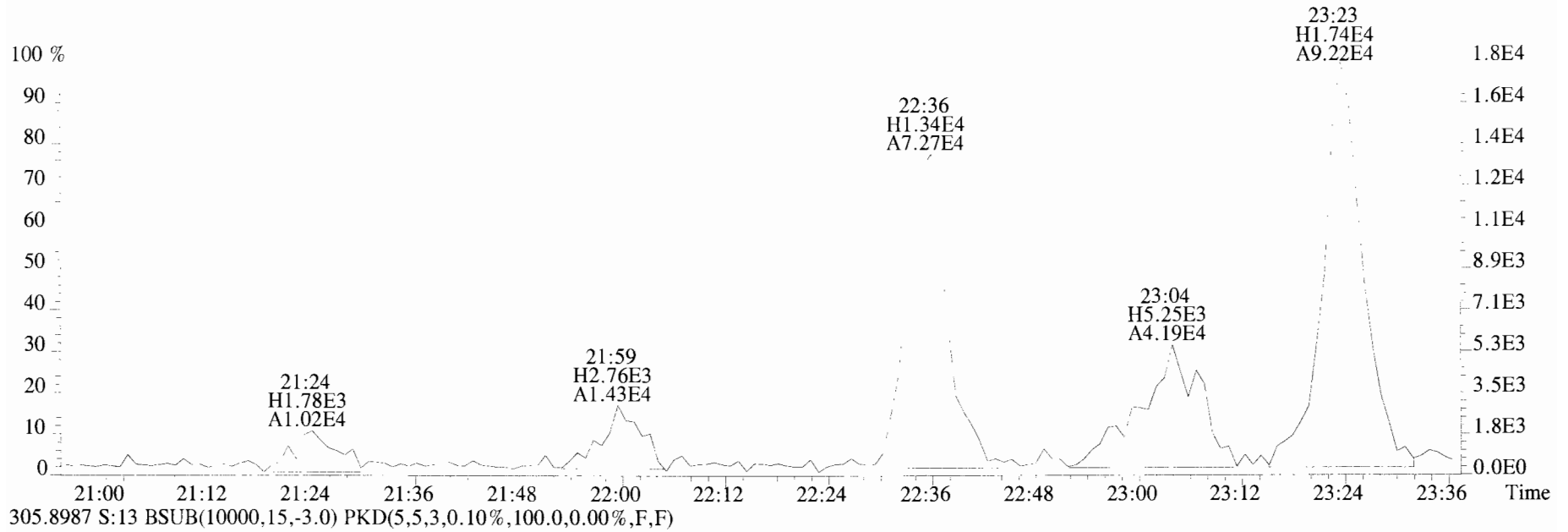
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



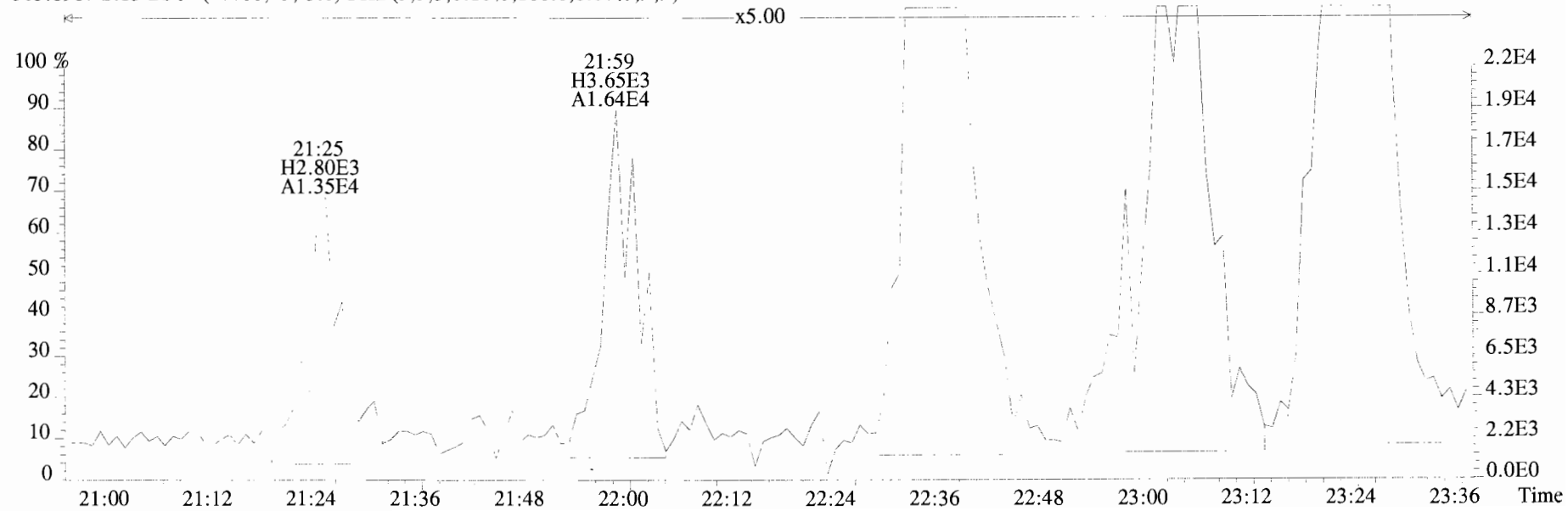
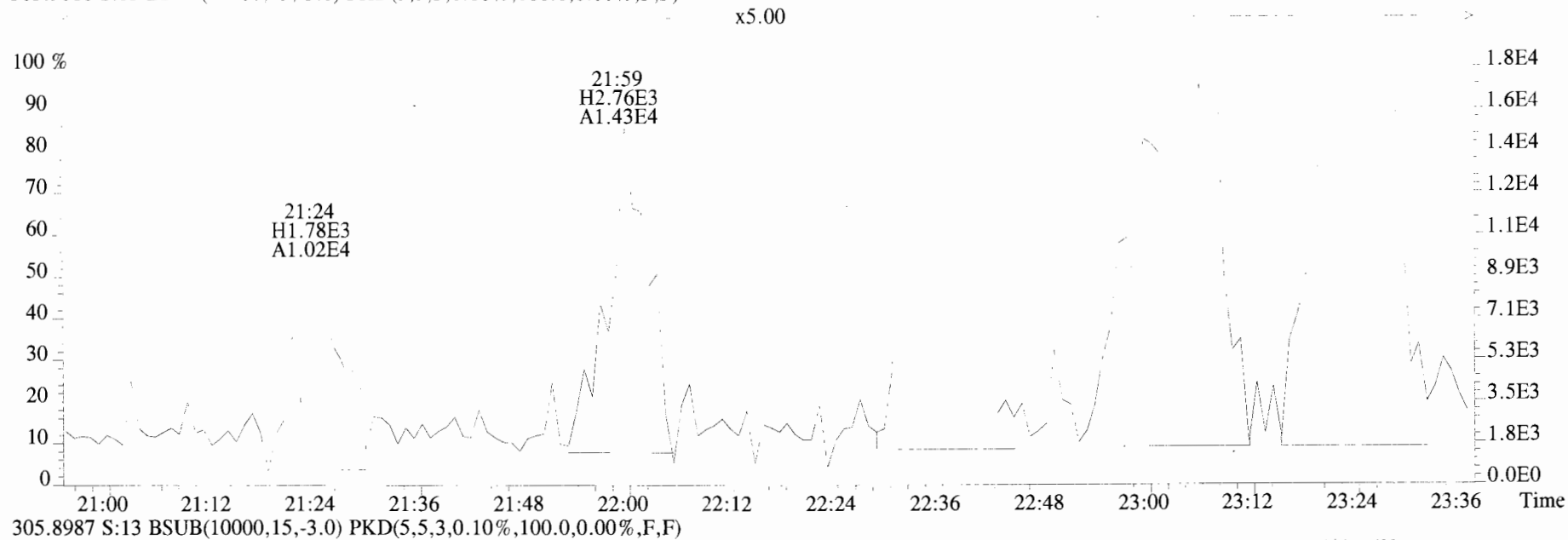
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



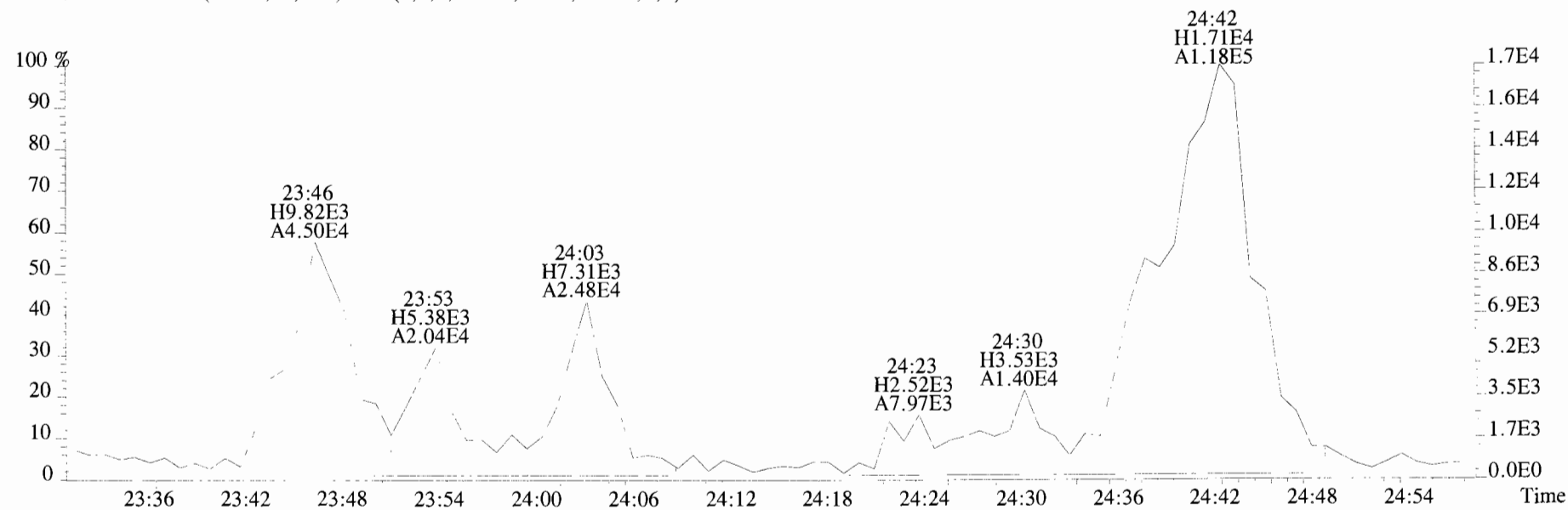
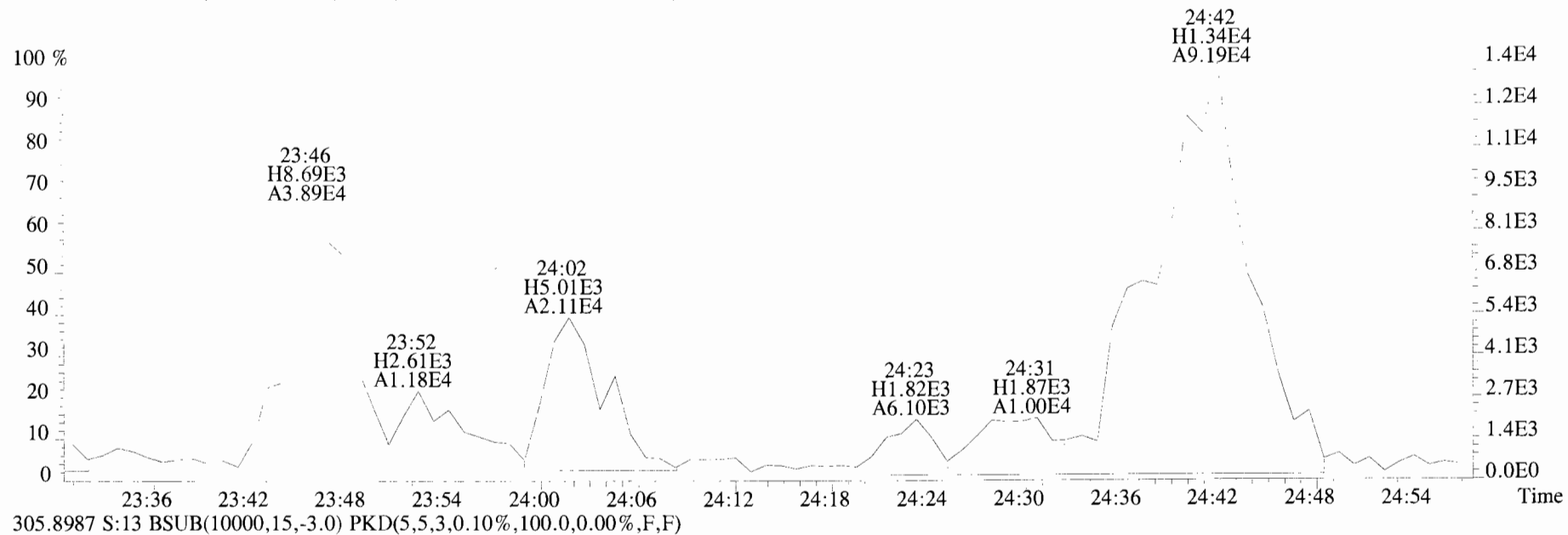
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



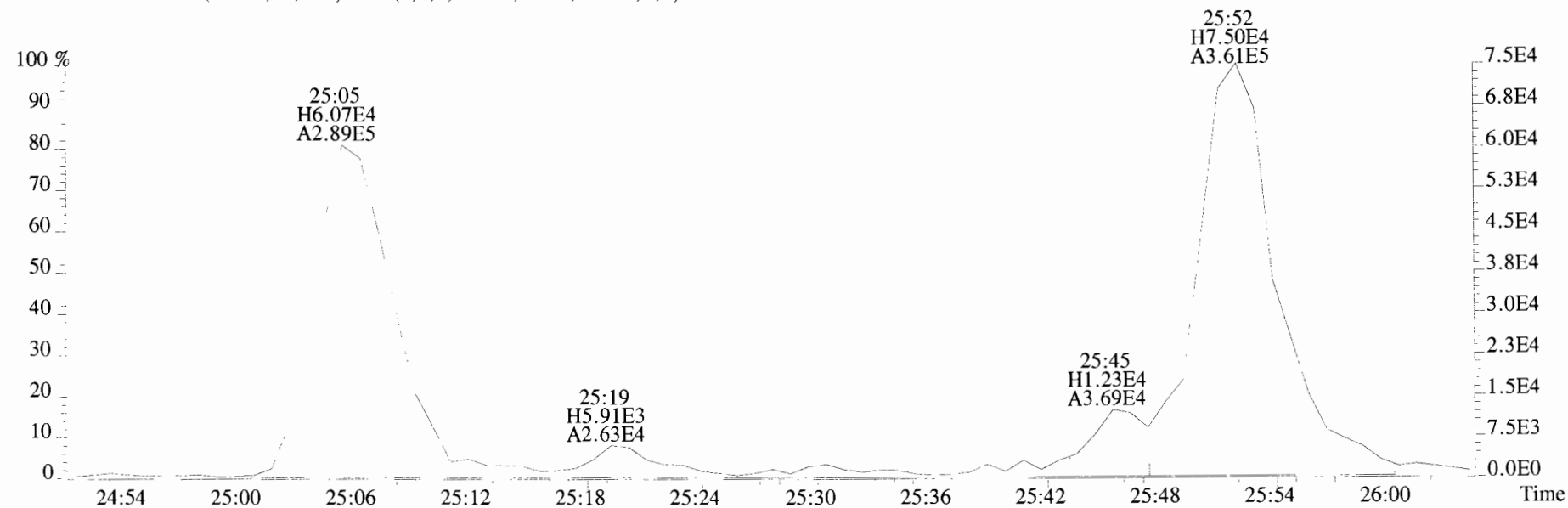
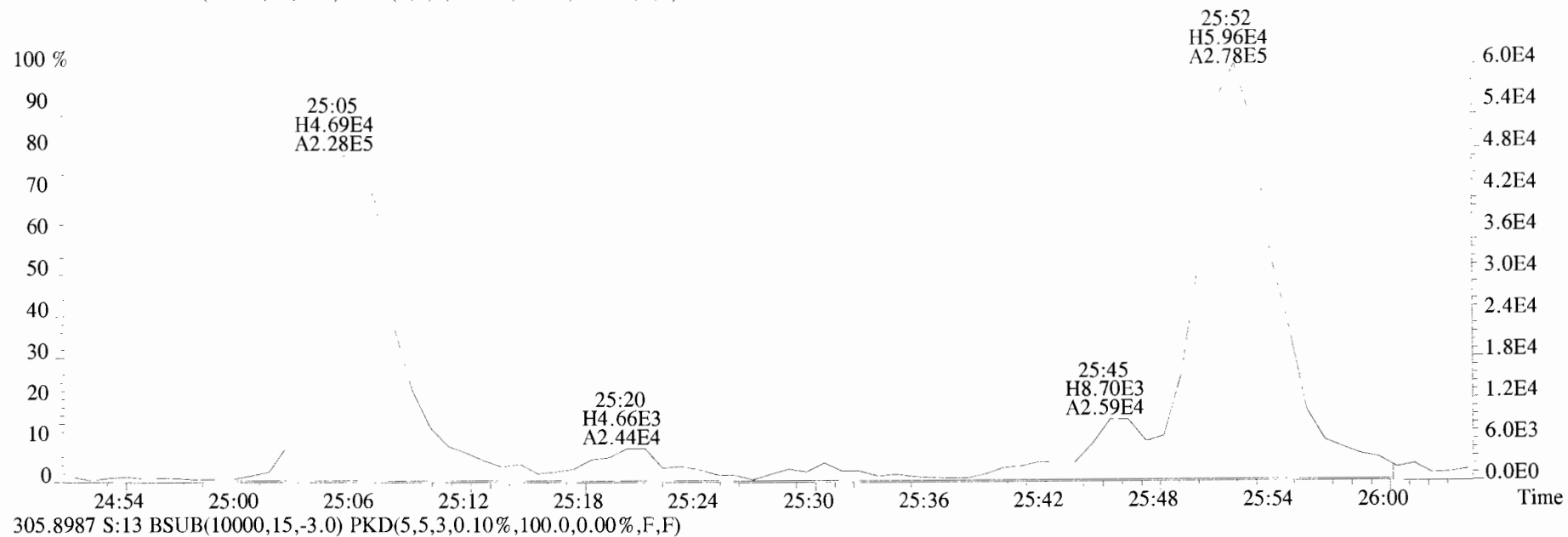
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



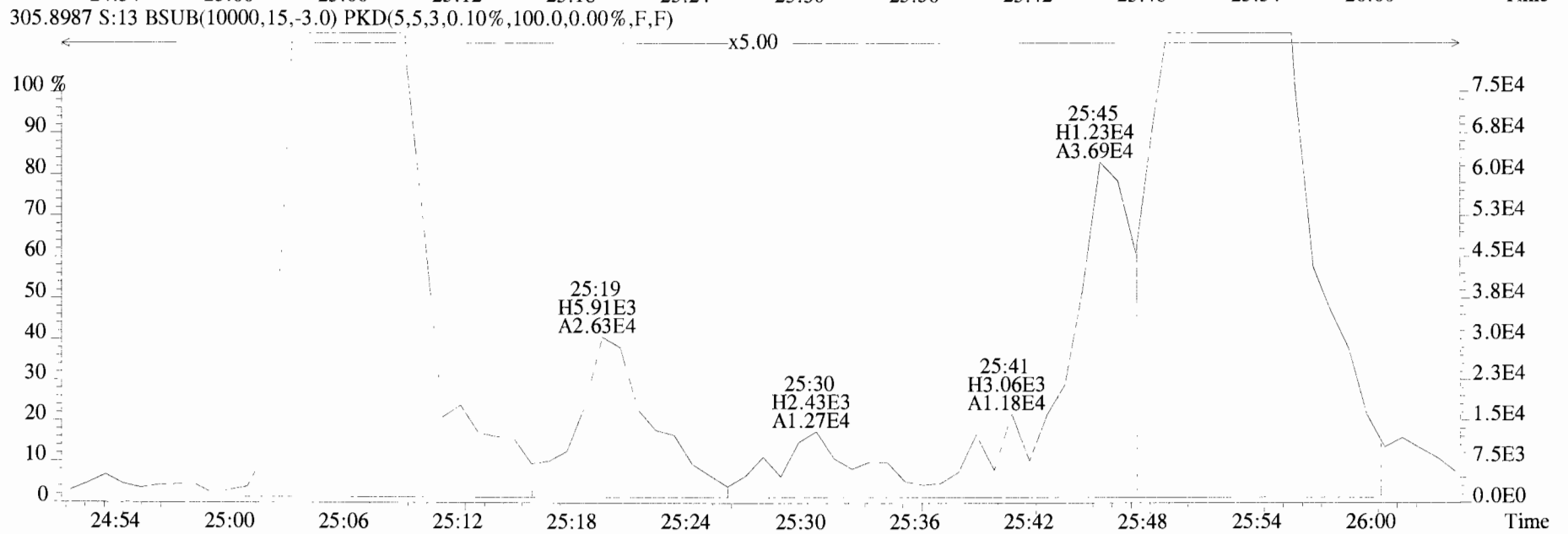
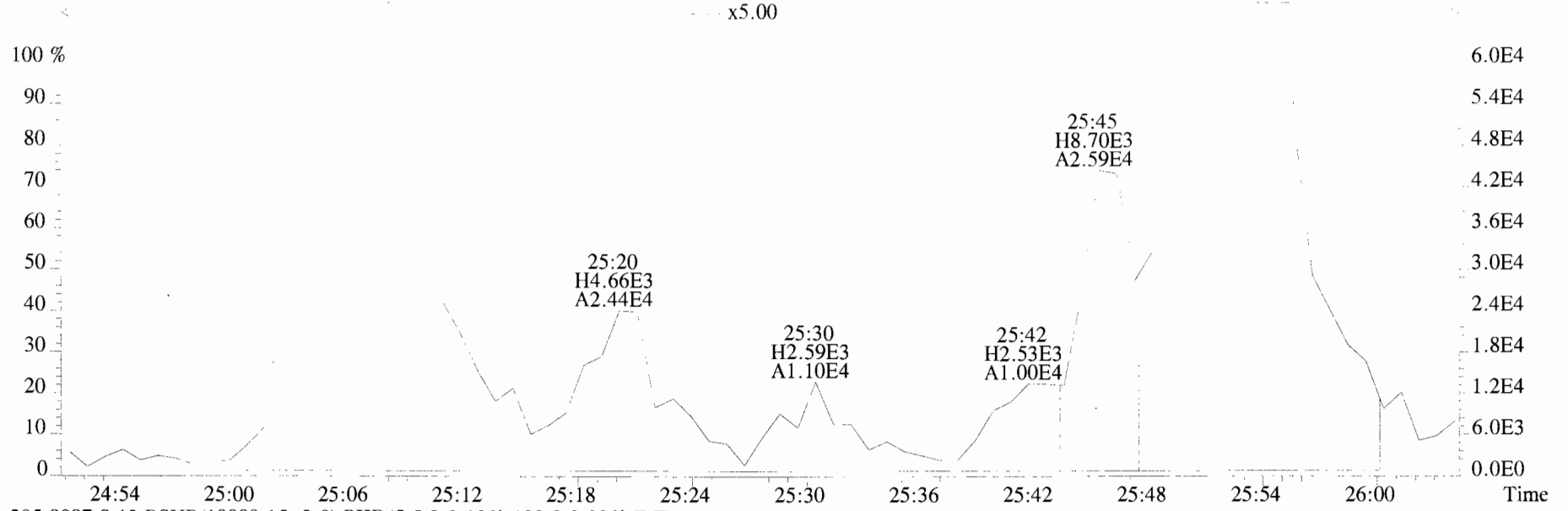
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



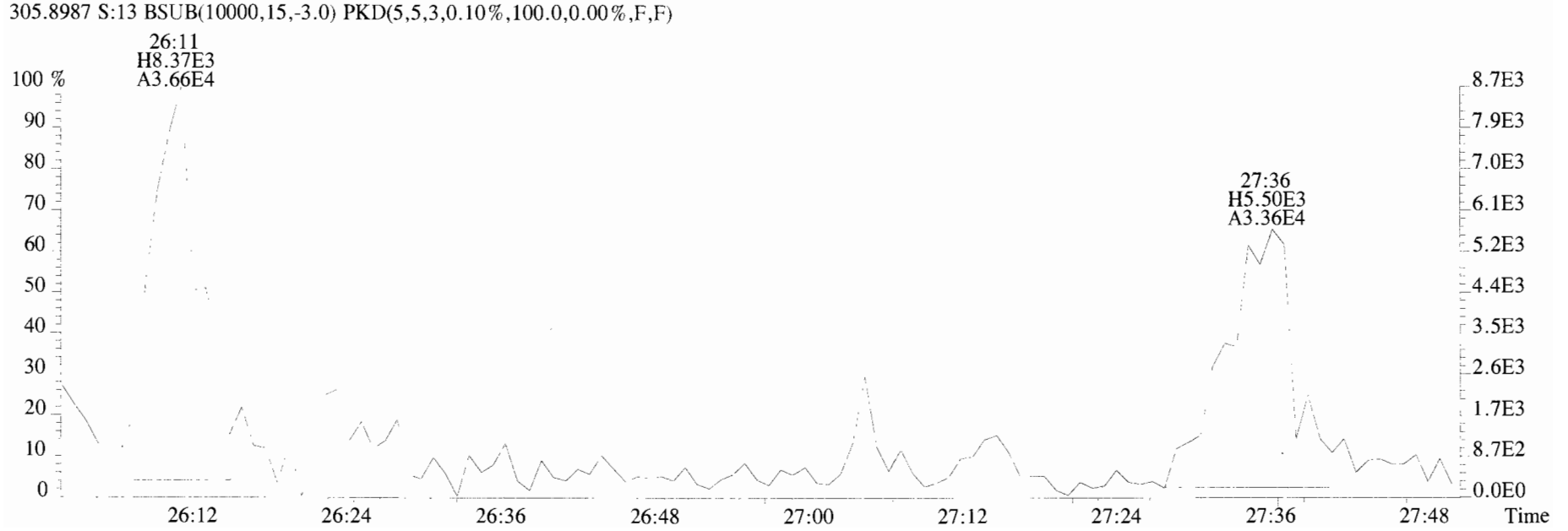
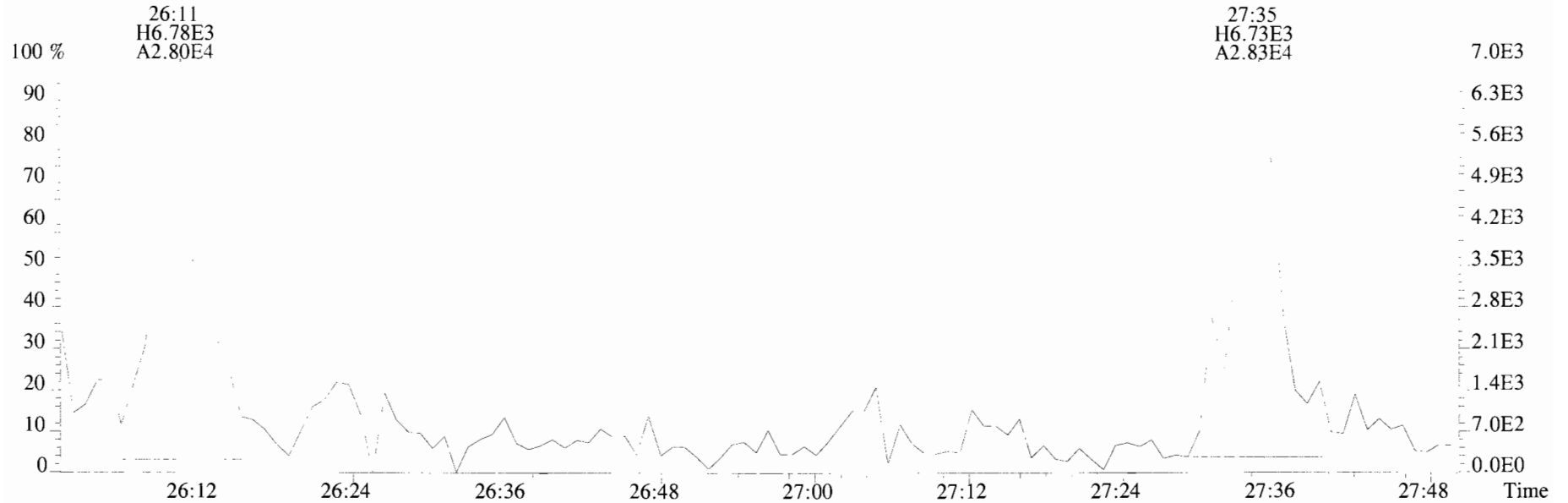
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



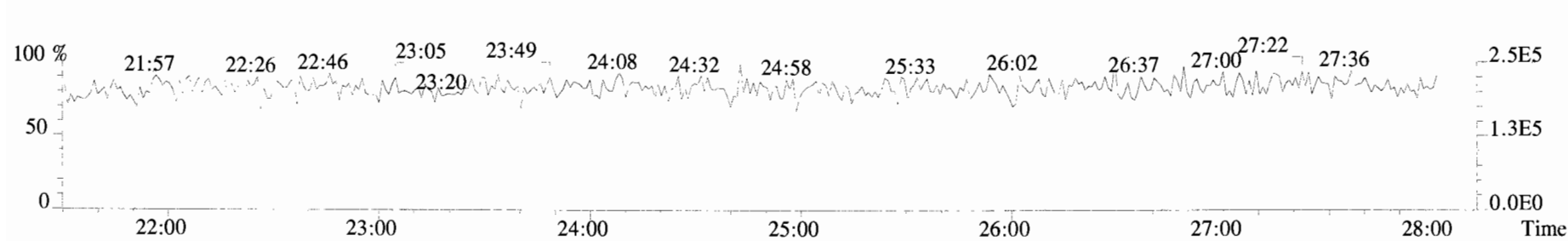
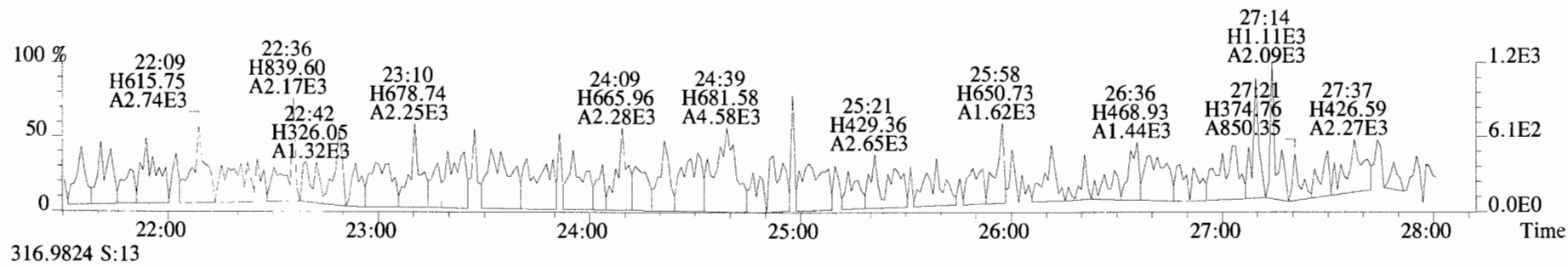
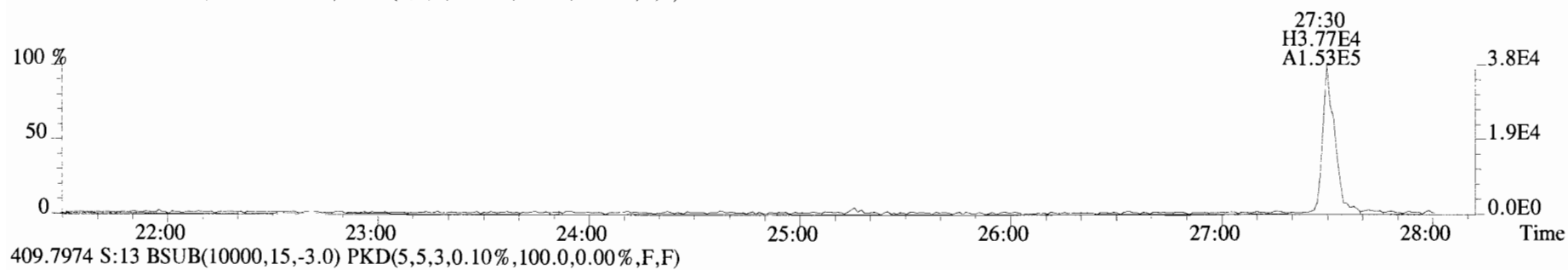
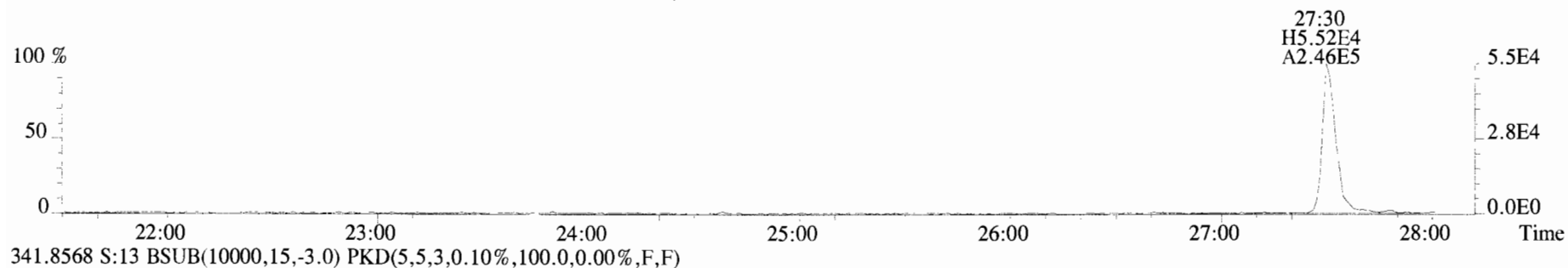
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



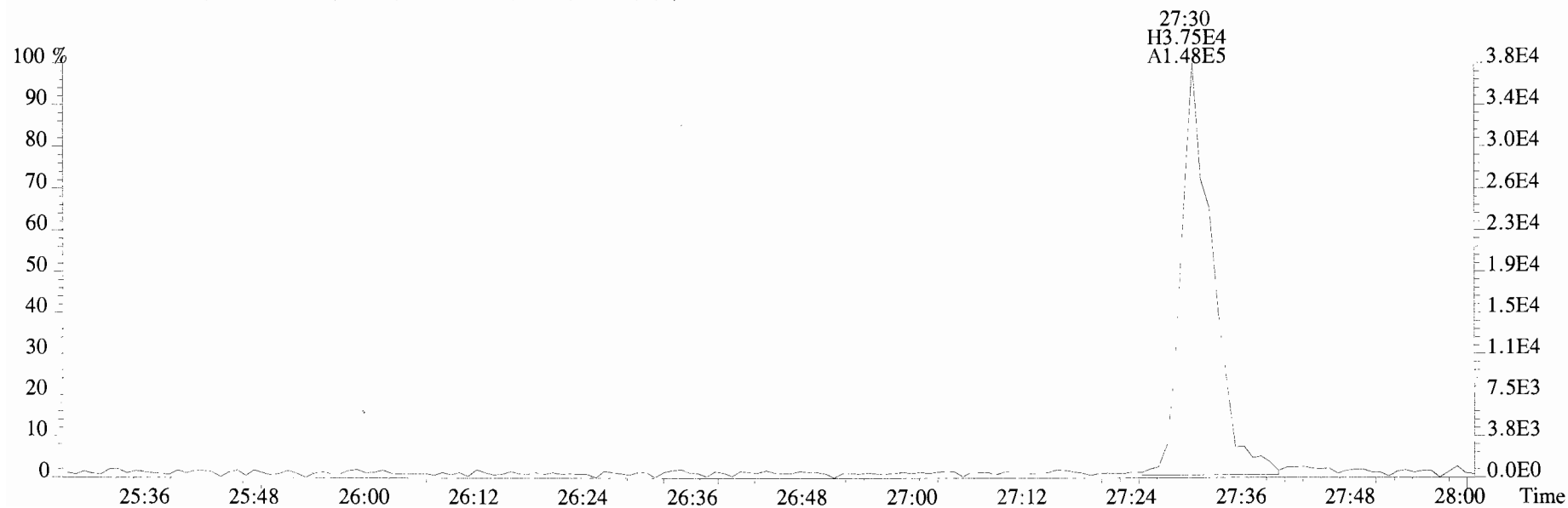
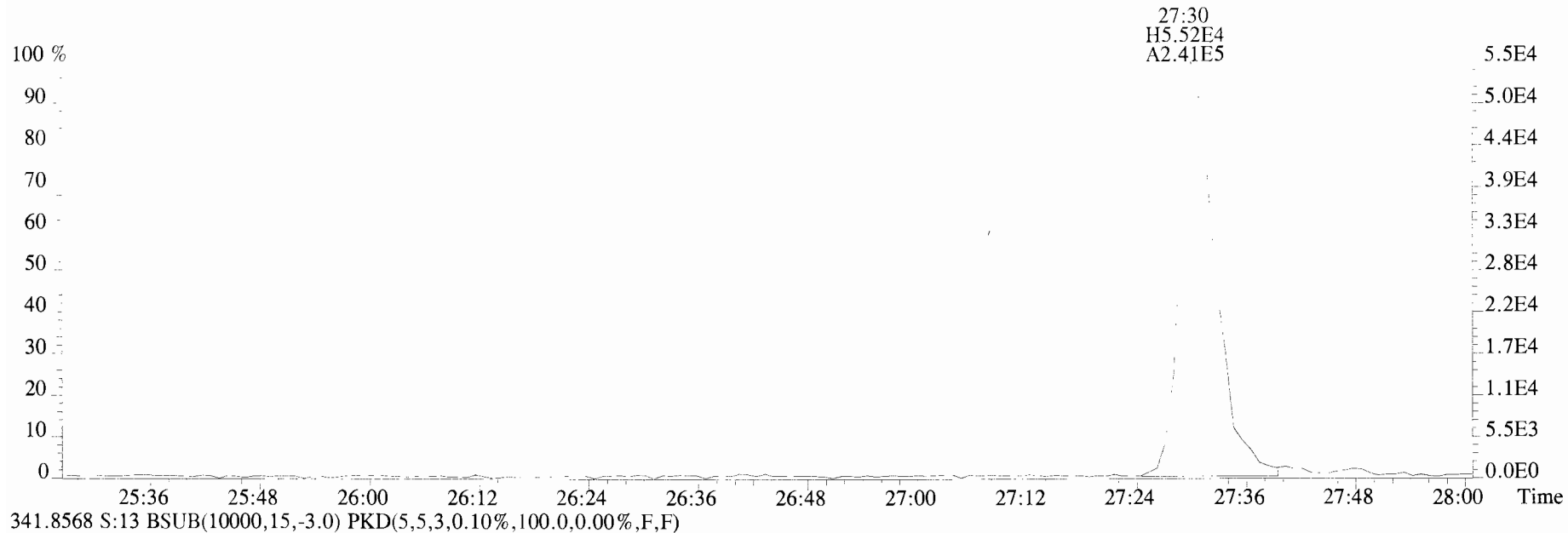
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



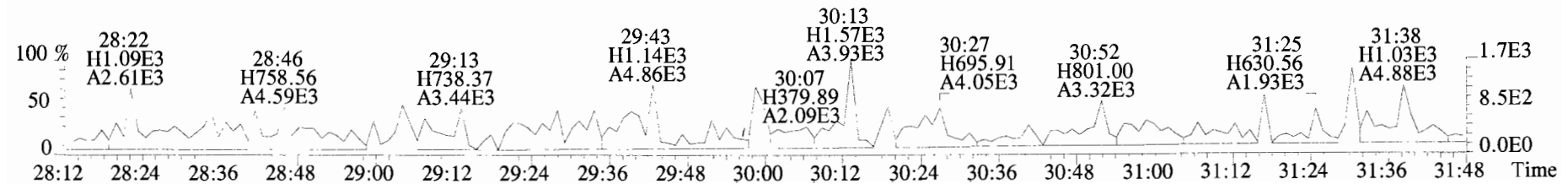
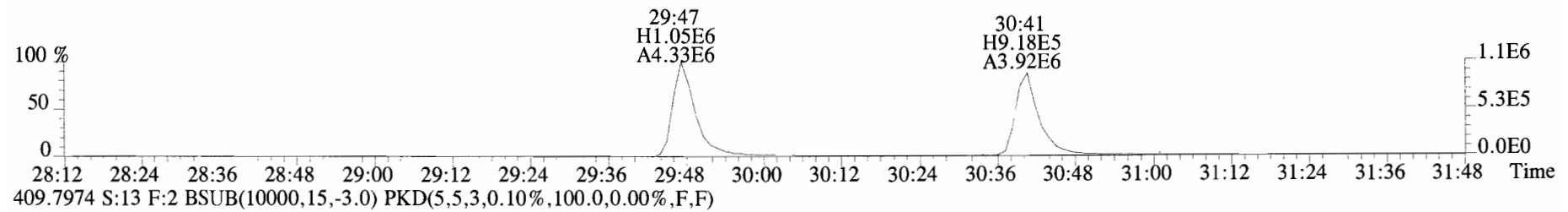
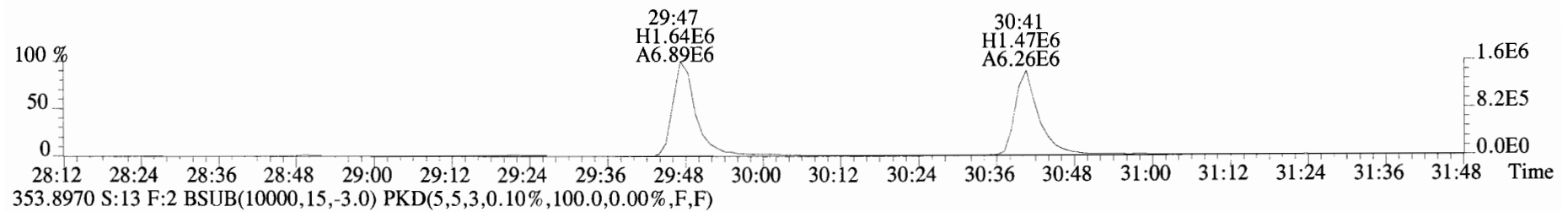
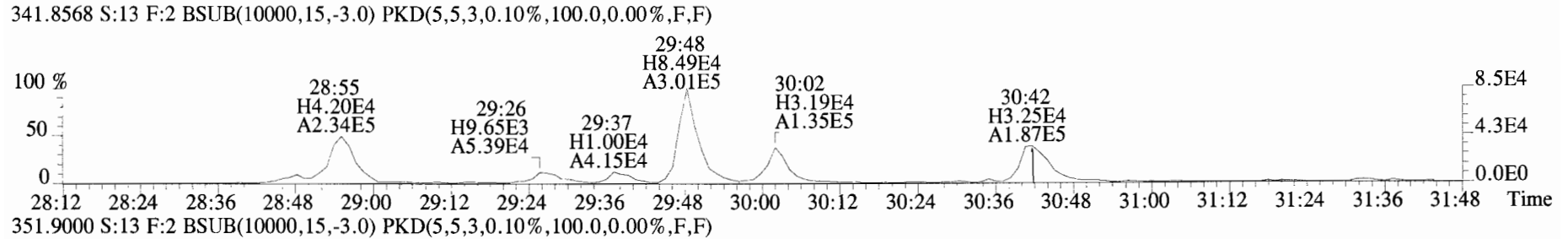
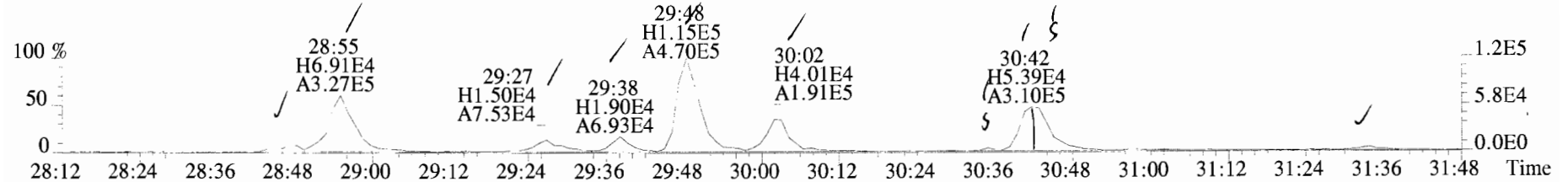
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



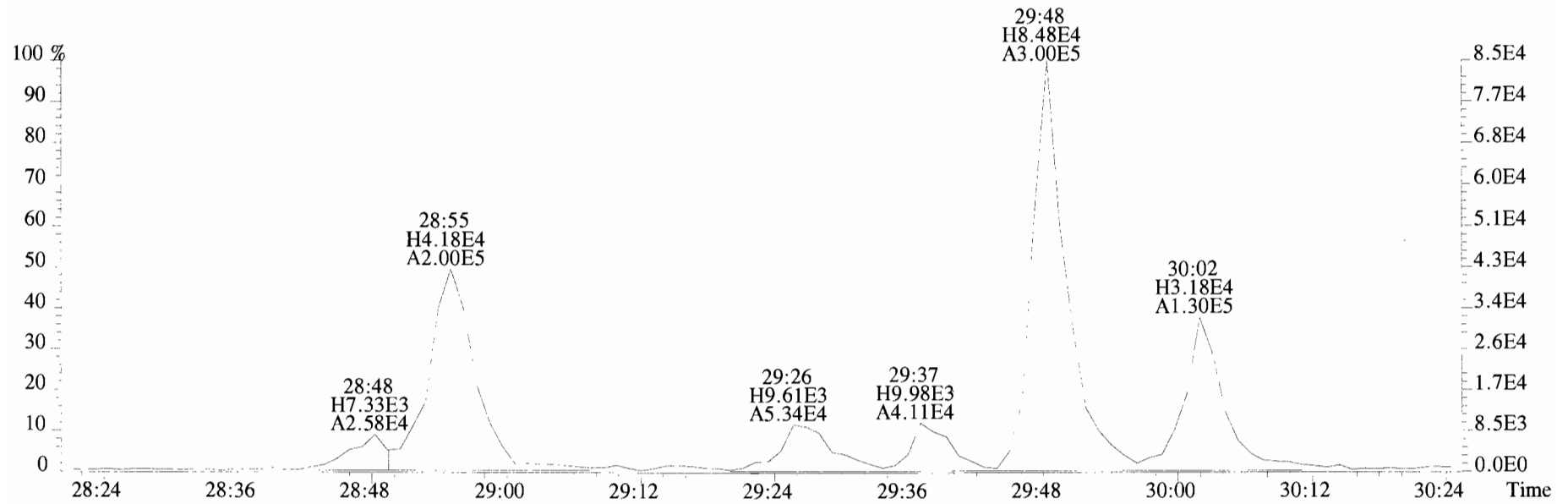
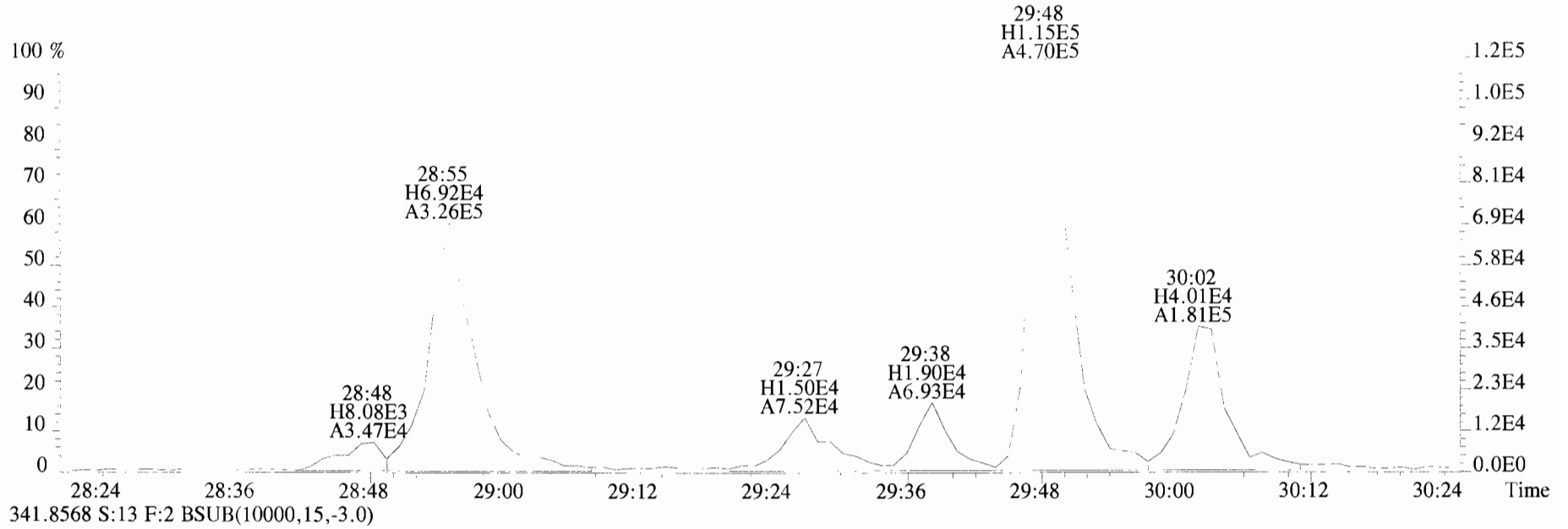
File:191011D2 #1-514 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



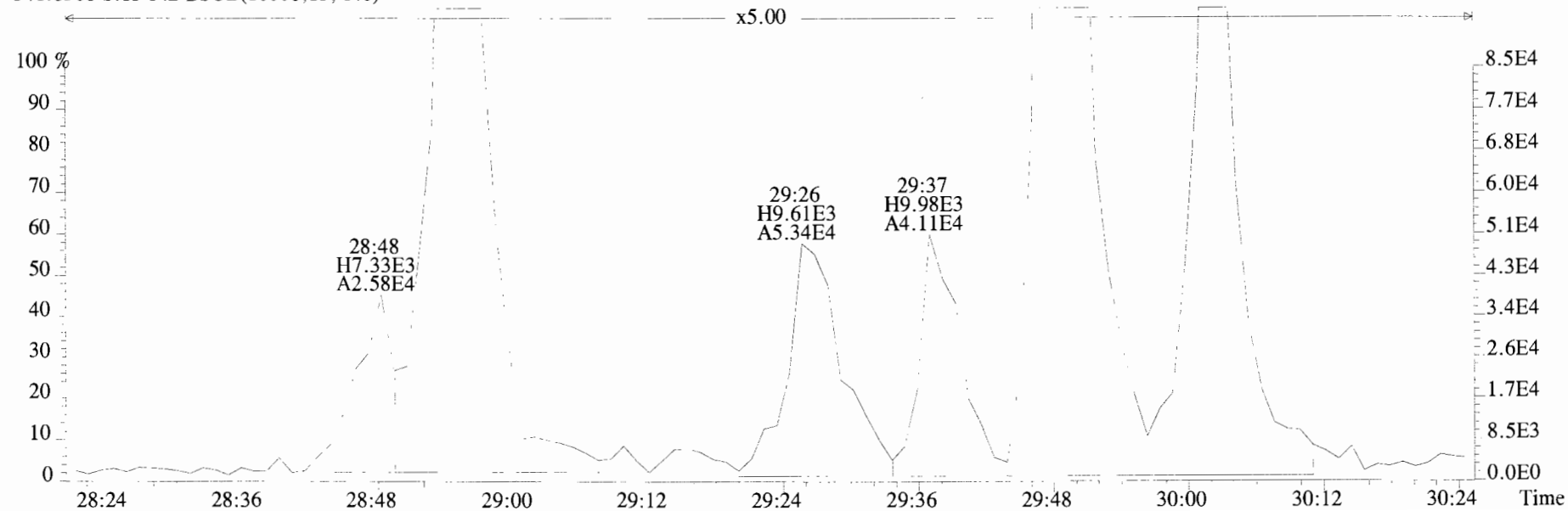
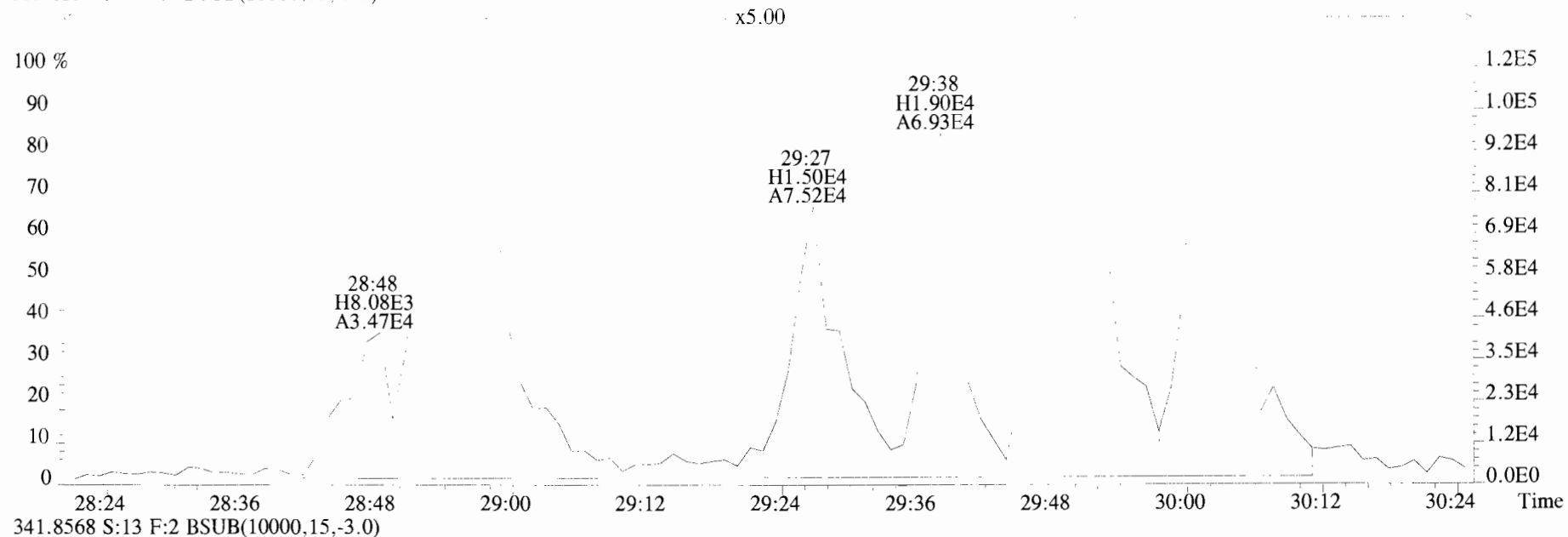
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



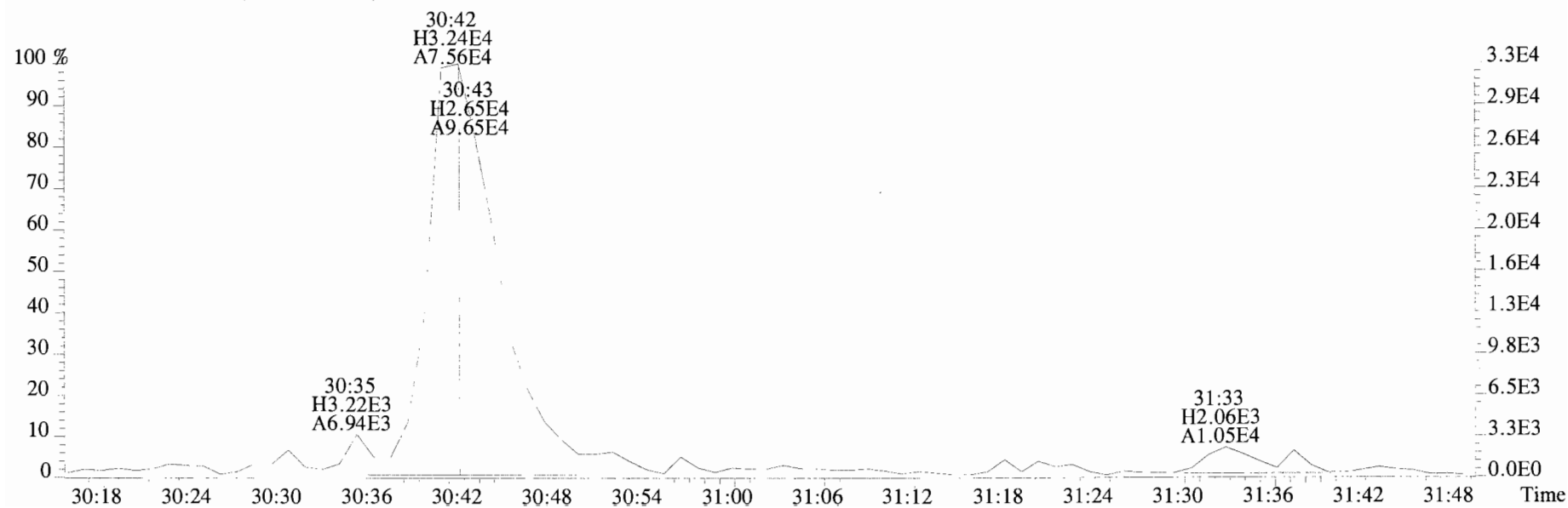
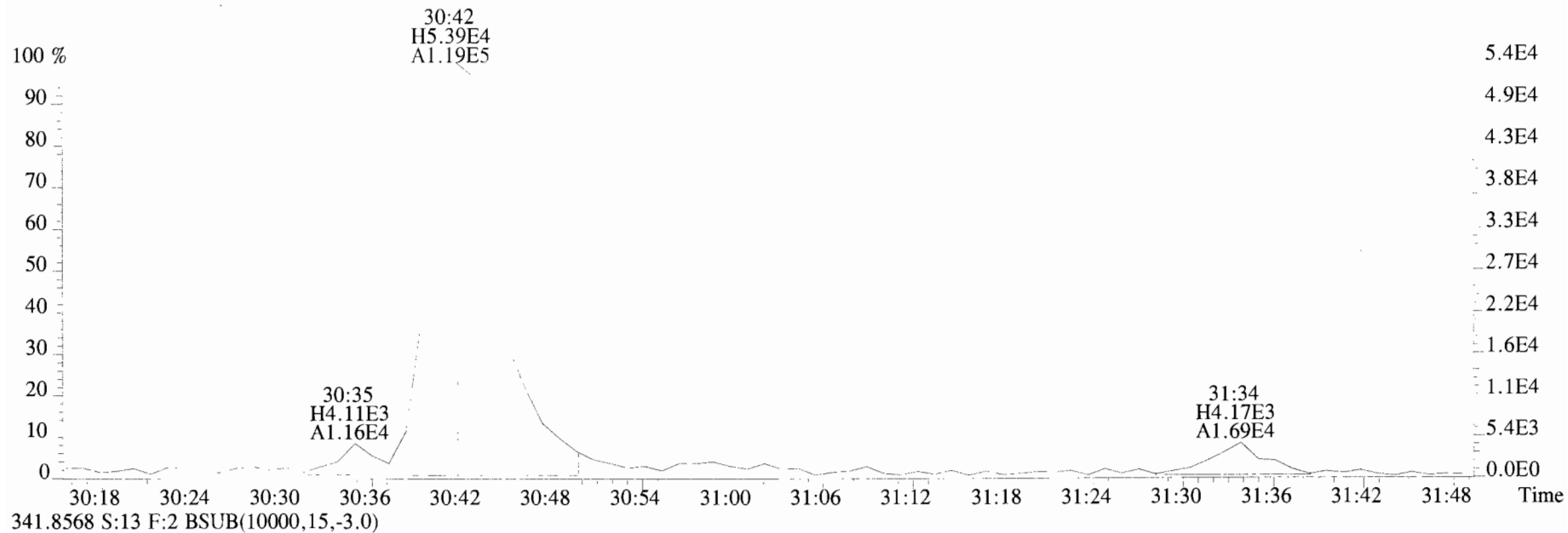
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(I0000,15,-3.0)



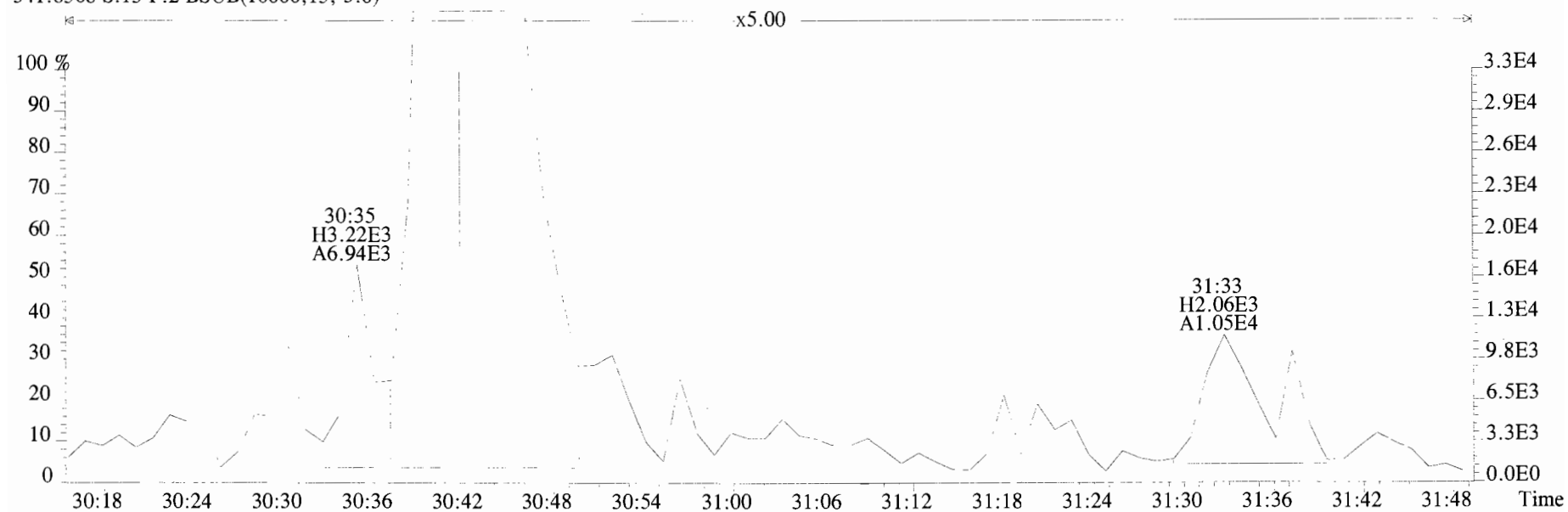
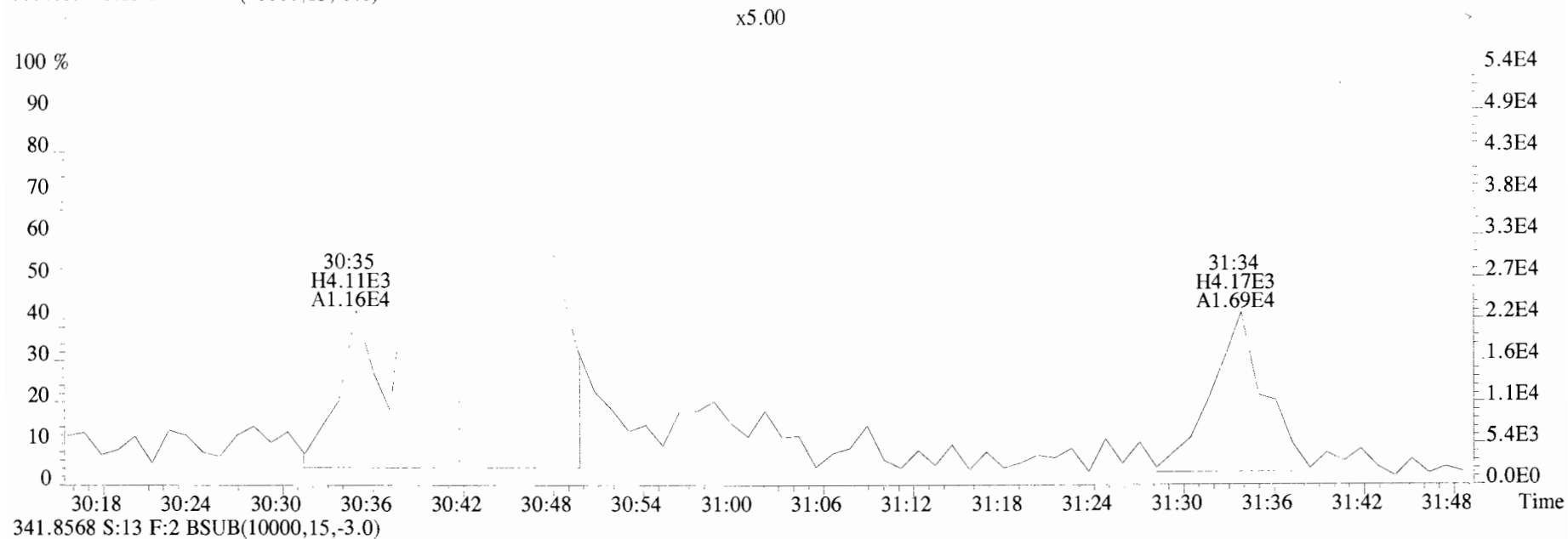
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0)



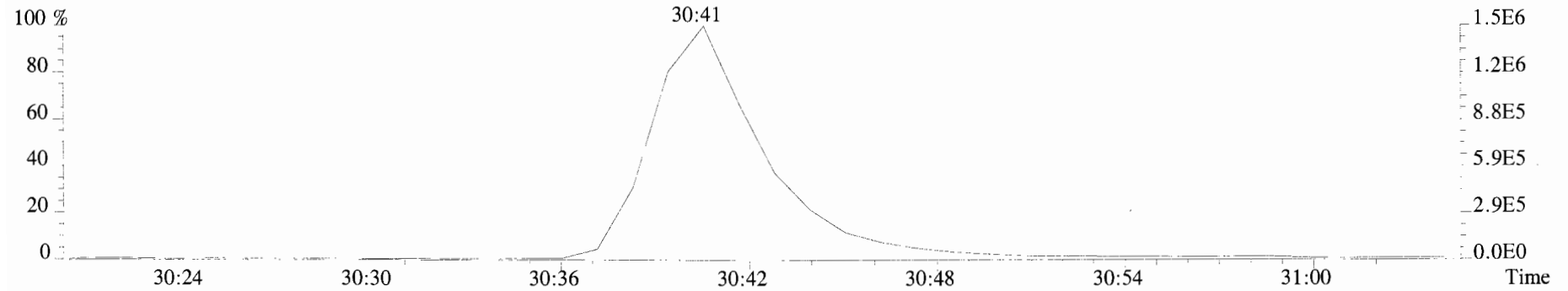
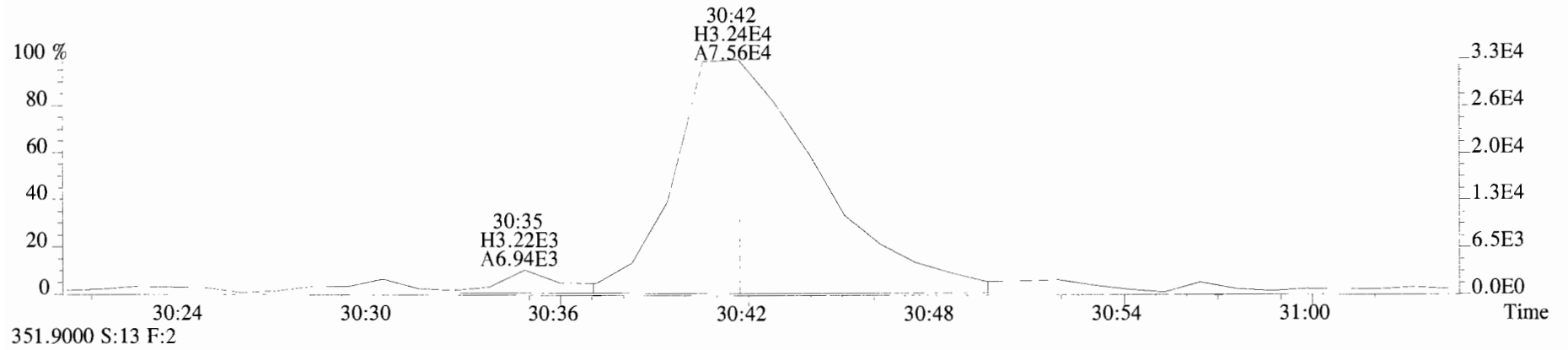
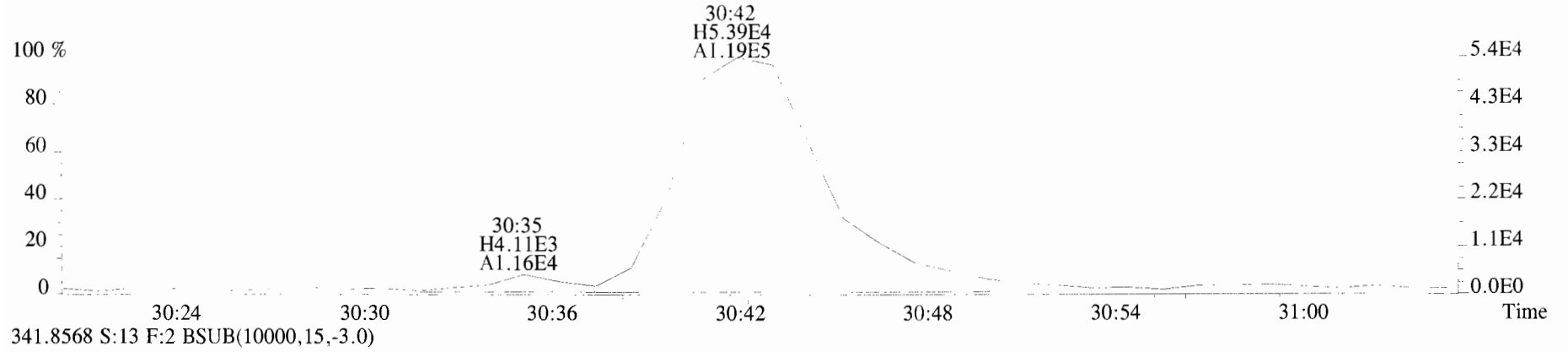
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(I0000,15,-3.0)



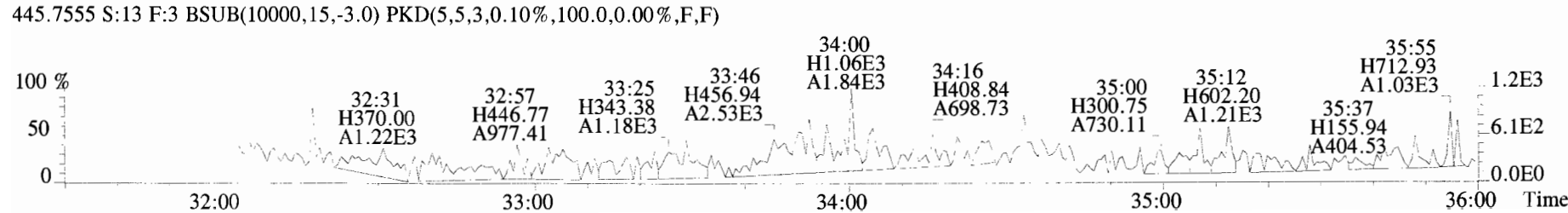
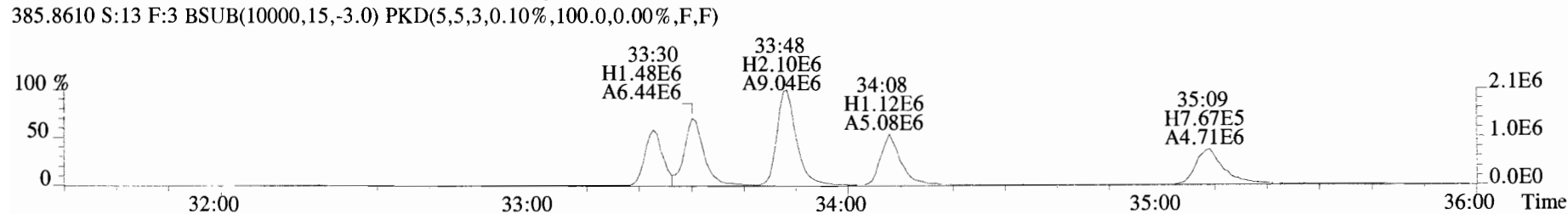
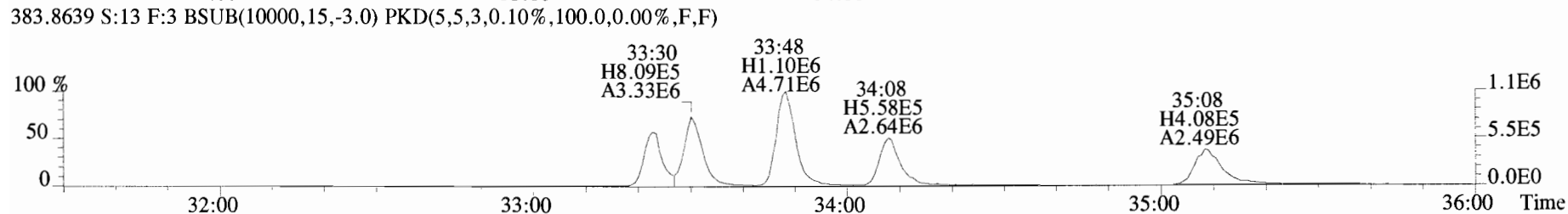
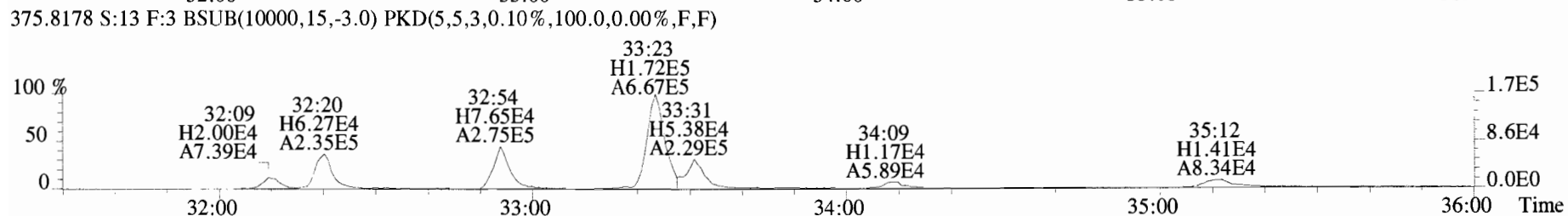
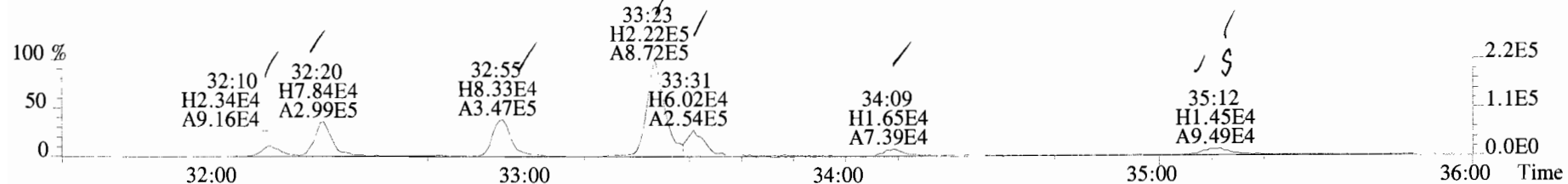
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0)



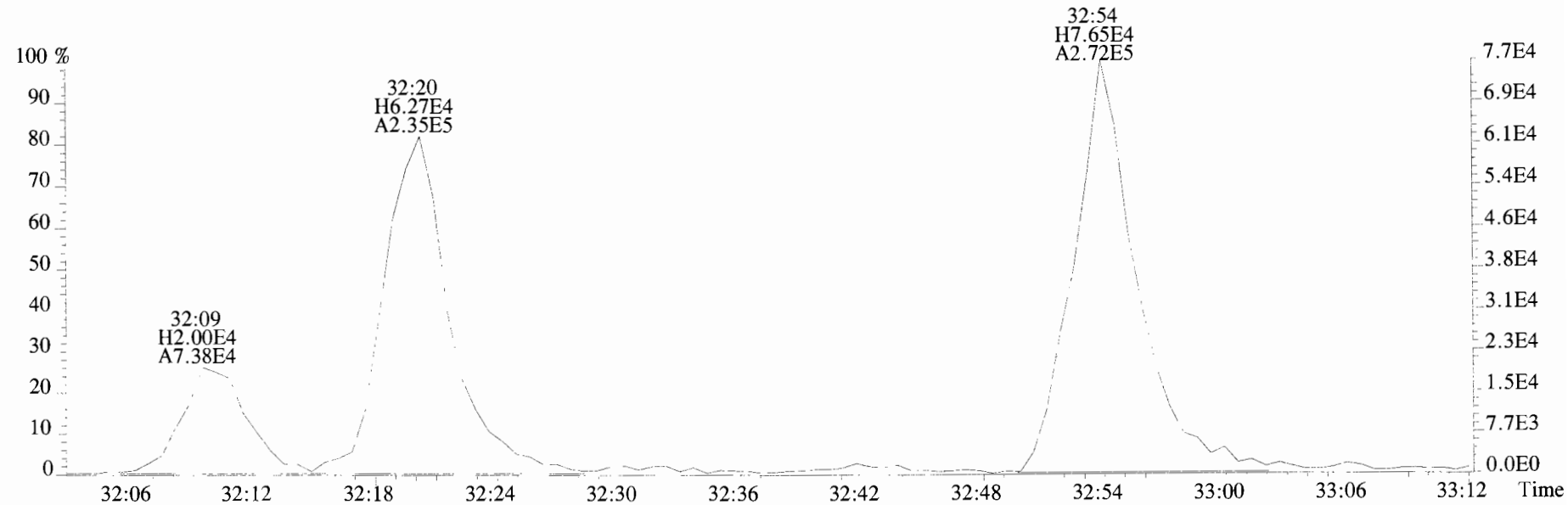
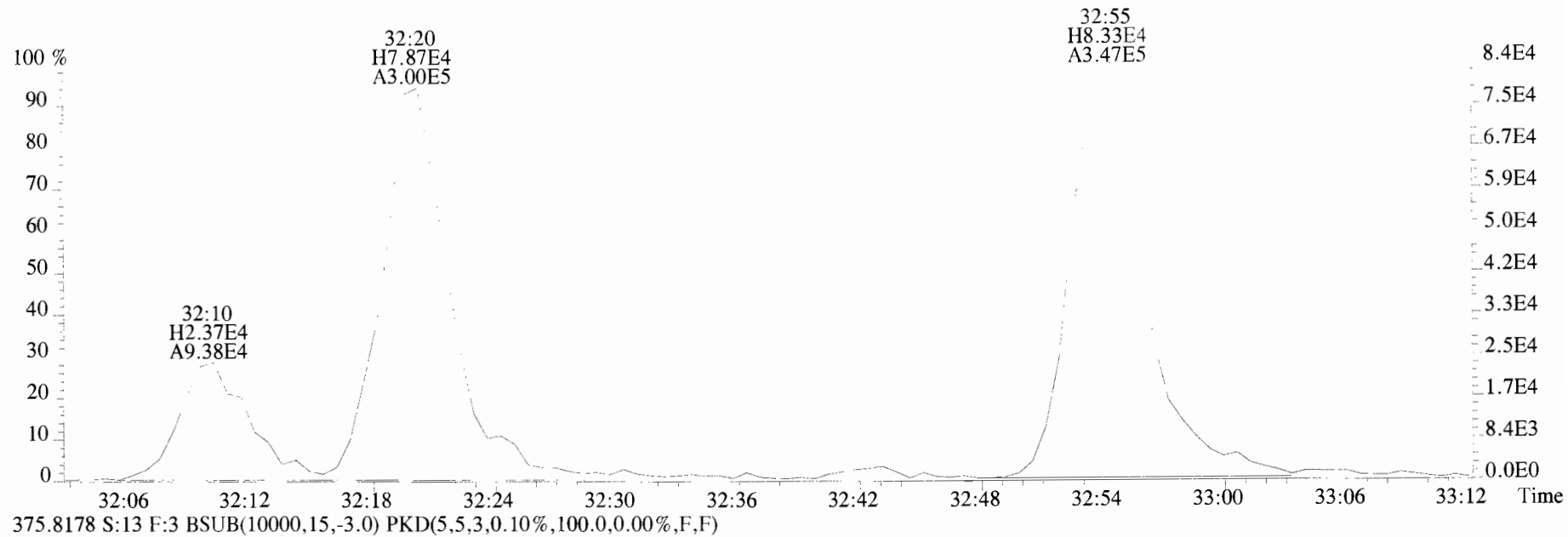
File:191011D2 #1-211 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0)



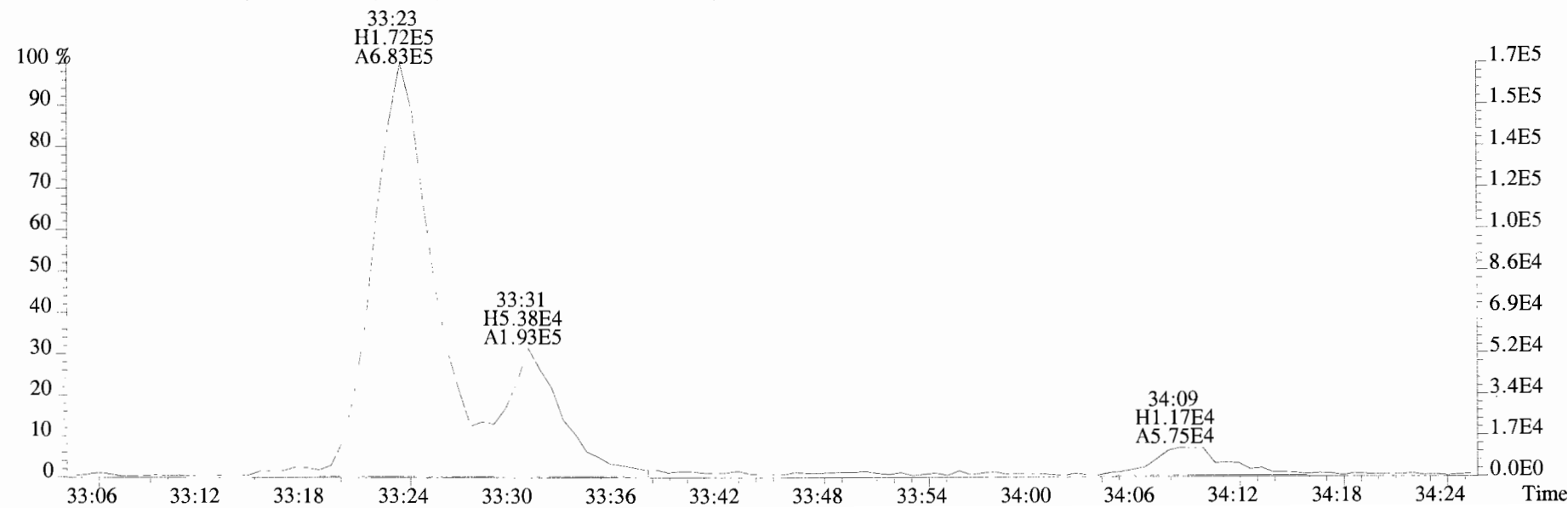
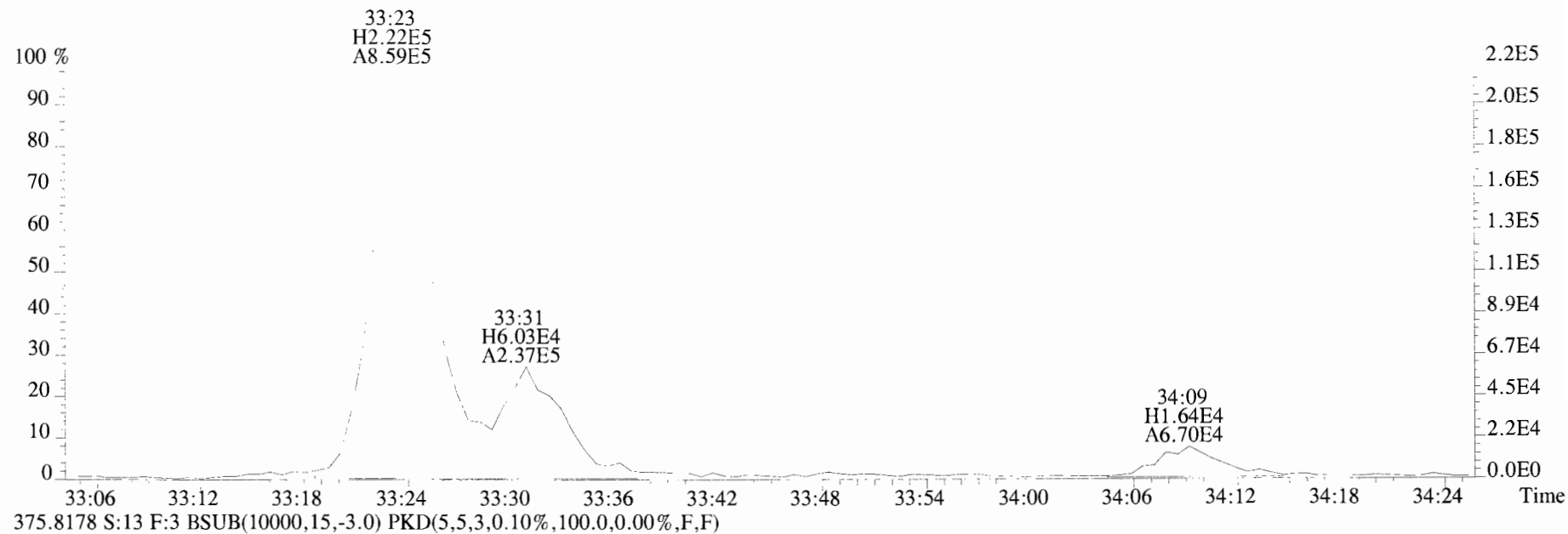
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



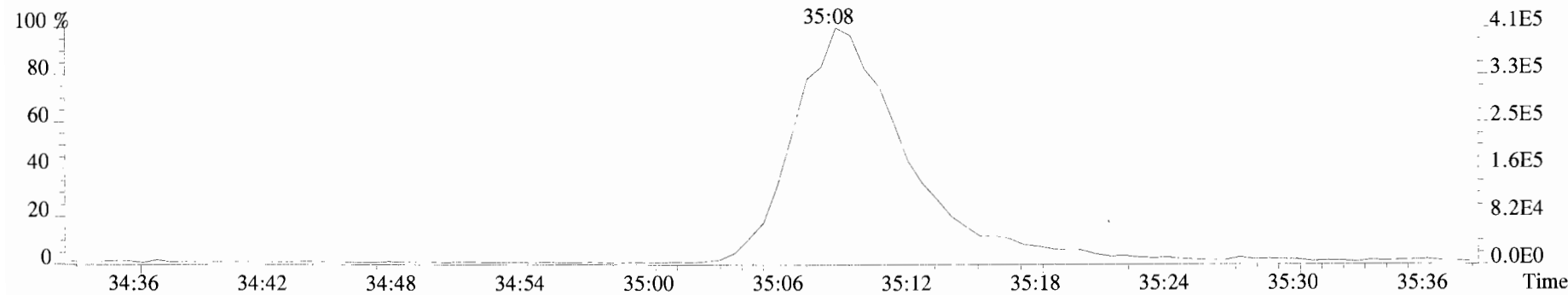
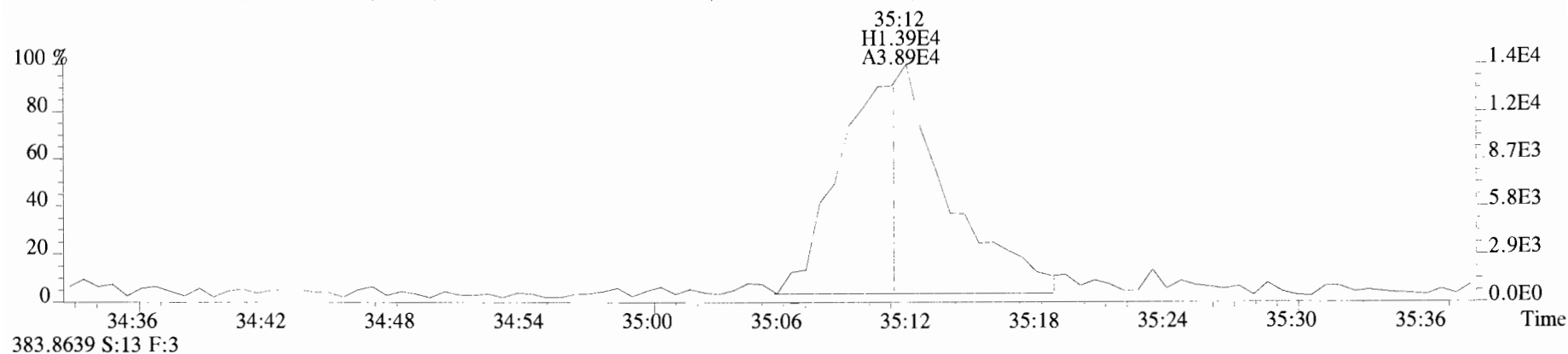
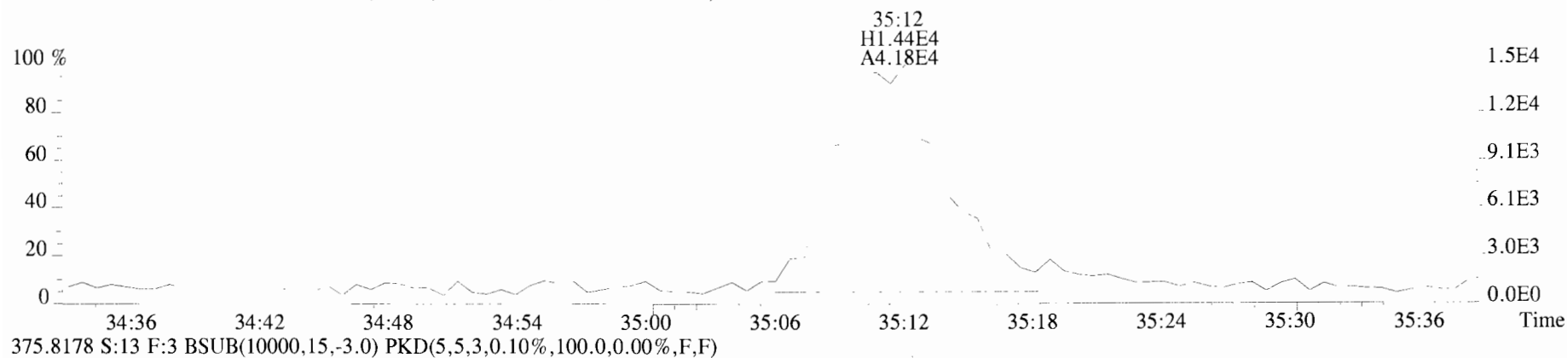
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



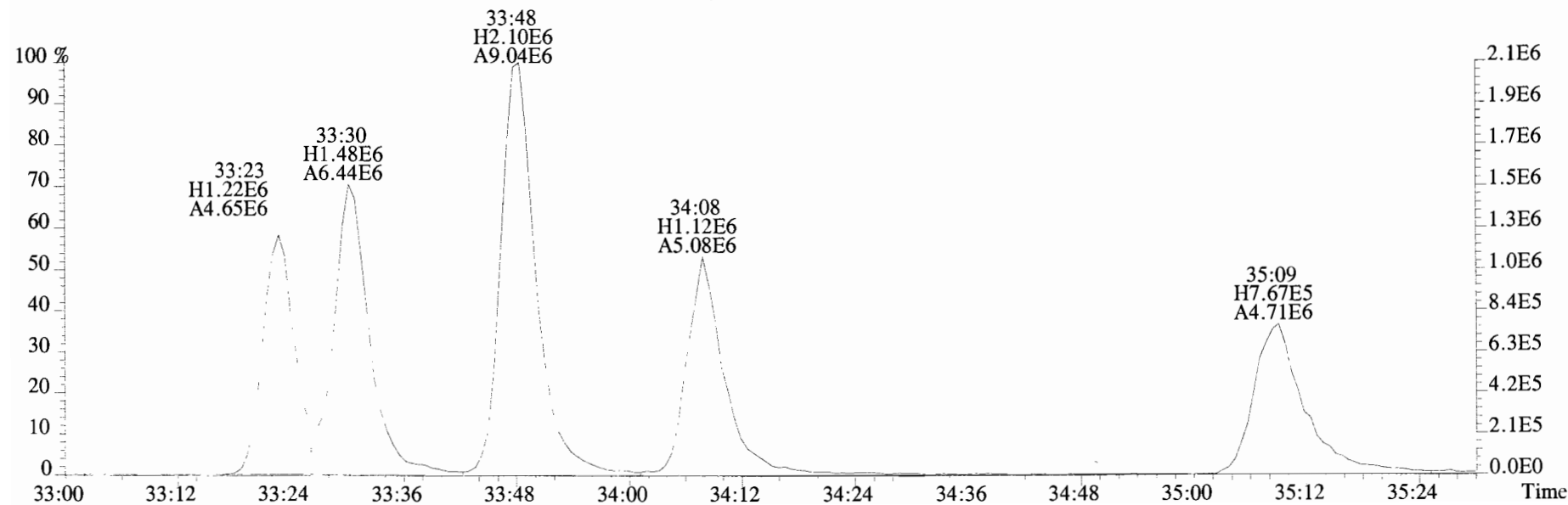
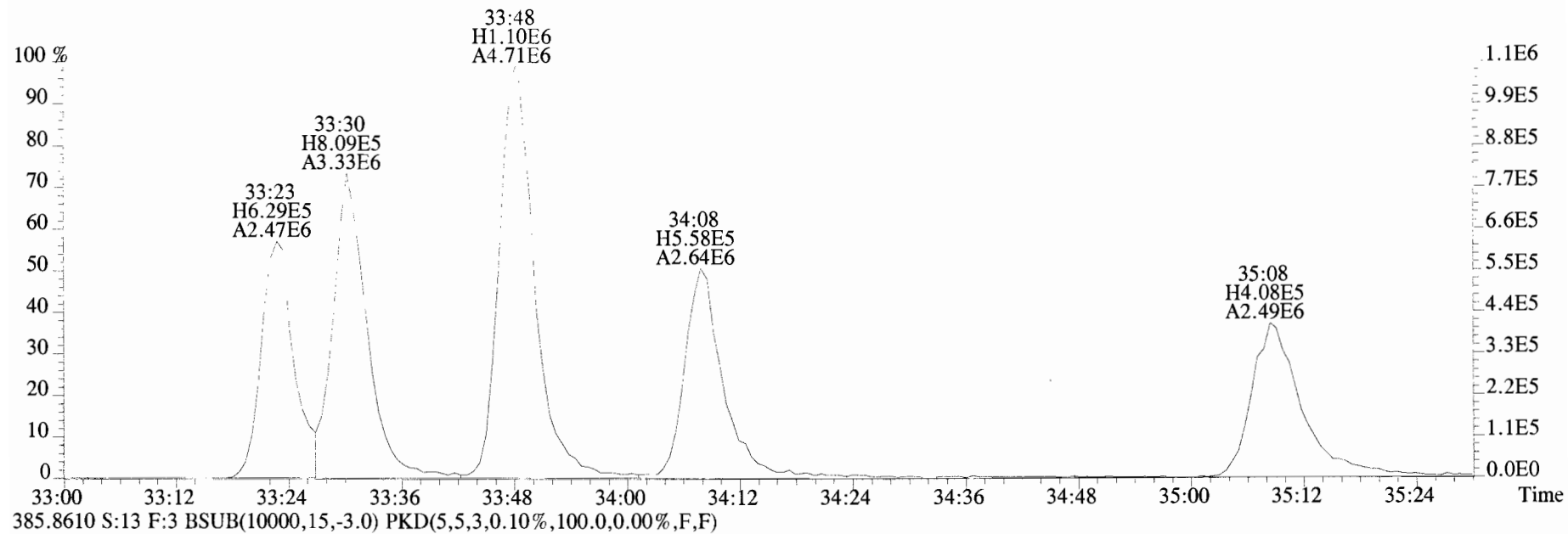
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
373.8207 S:13 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



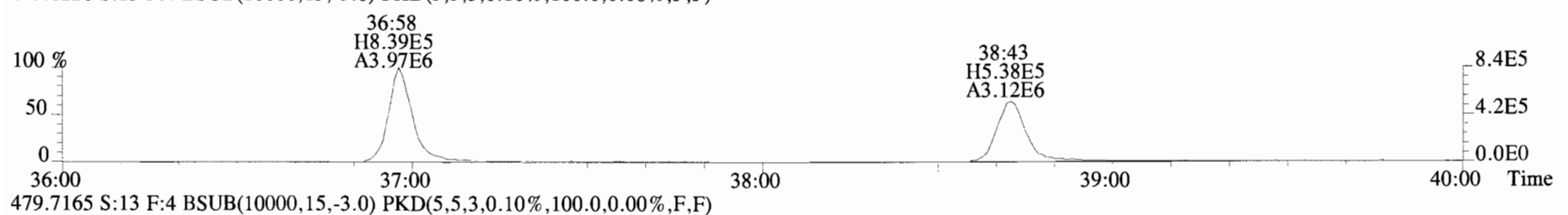
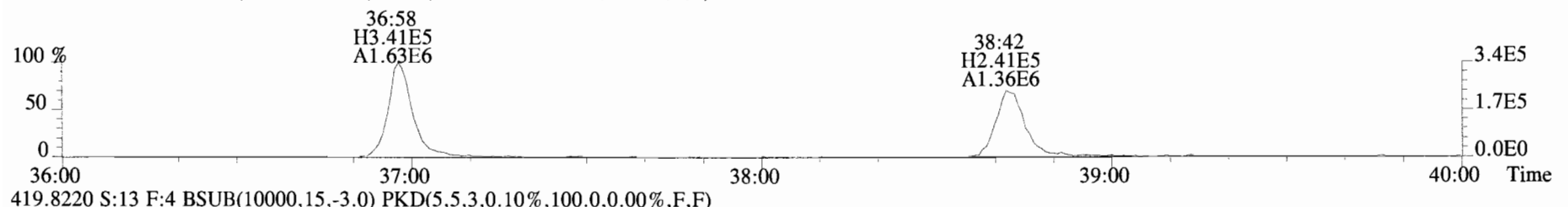
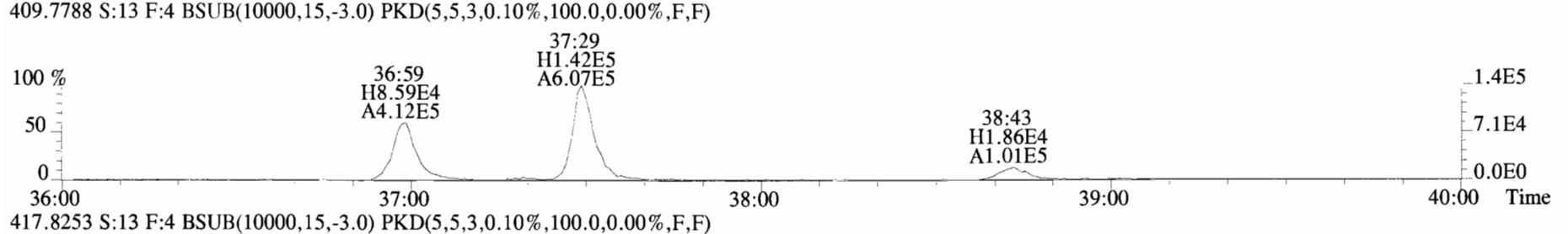
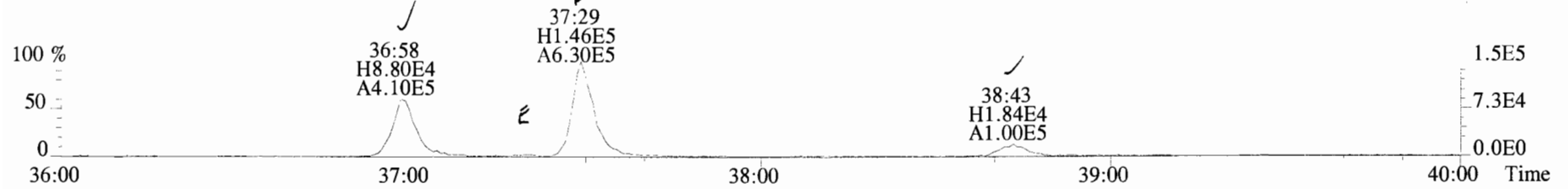
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



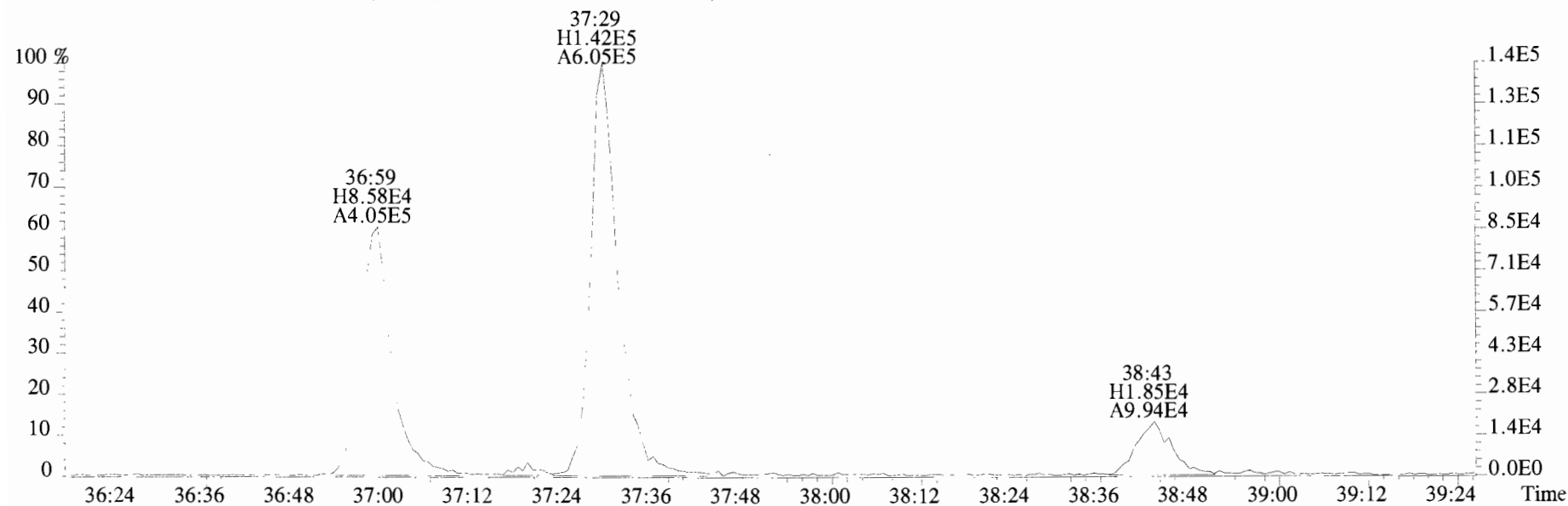
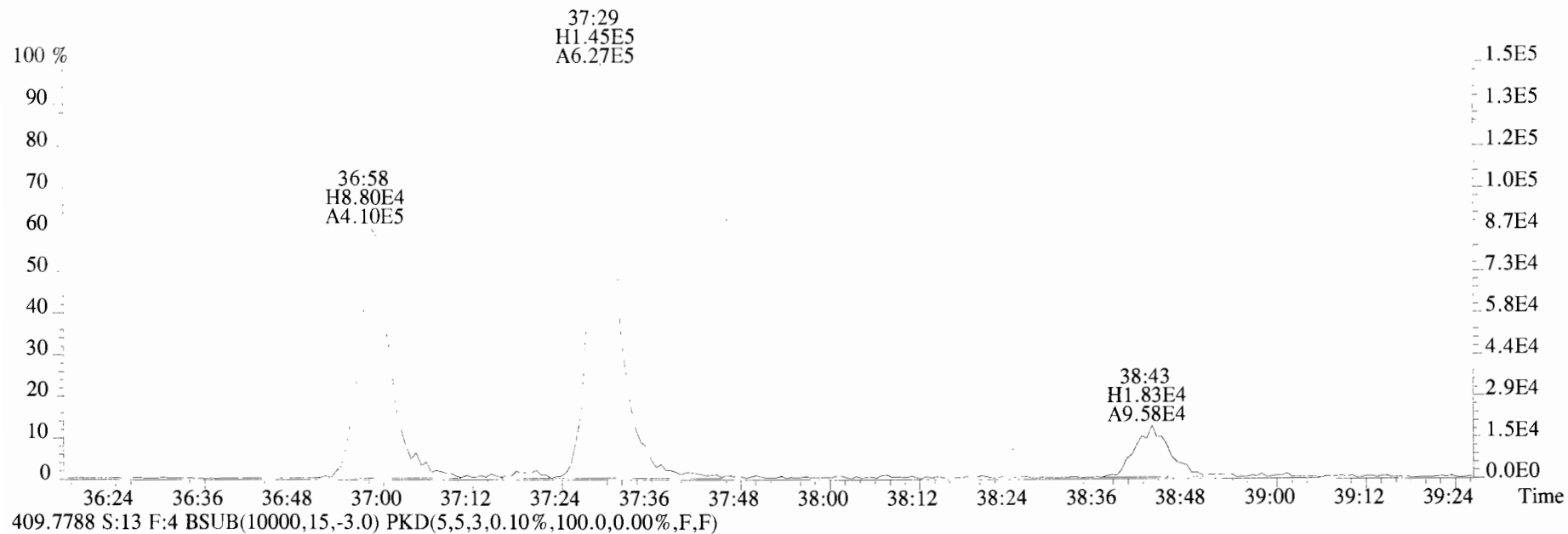
File:191011D2 #1-354 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
 383.8639 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



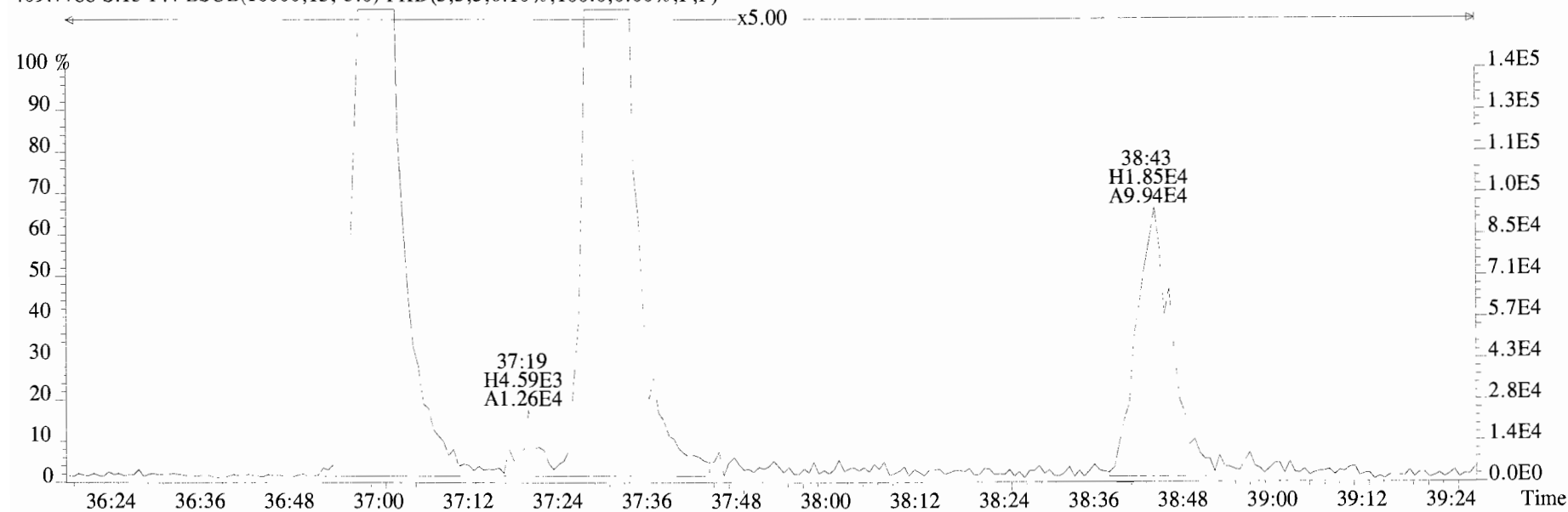
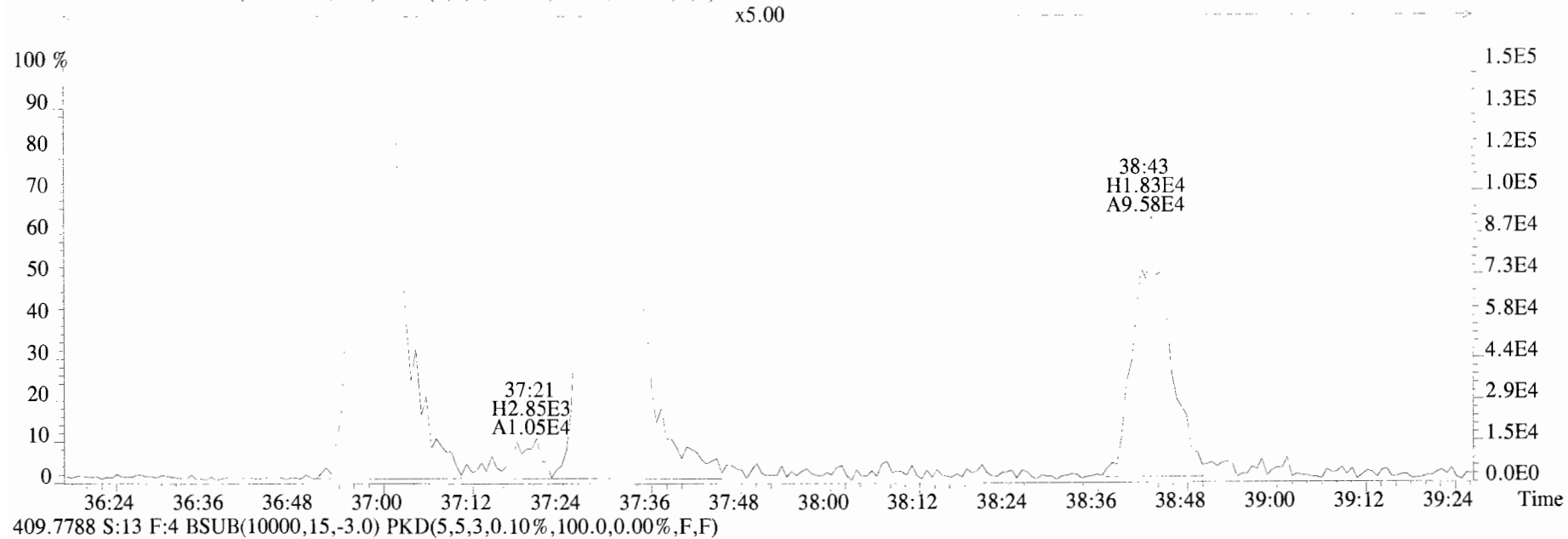
File: 191011D2 #1-356 Acq: 12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text: Vista Analytical Laboratory VG7 Text: 1903285-05 PDI-101SG-00-01-190923 26.9 Exp: OCDD_DB5
 407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



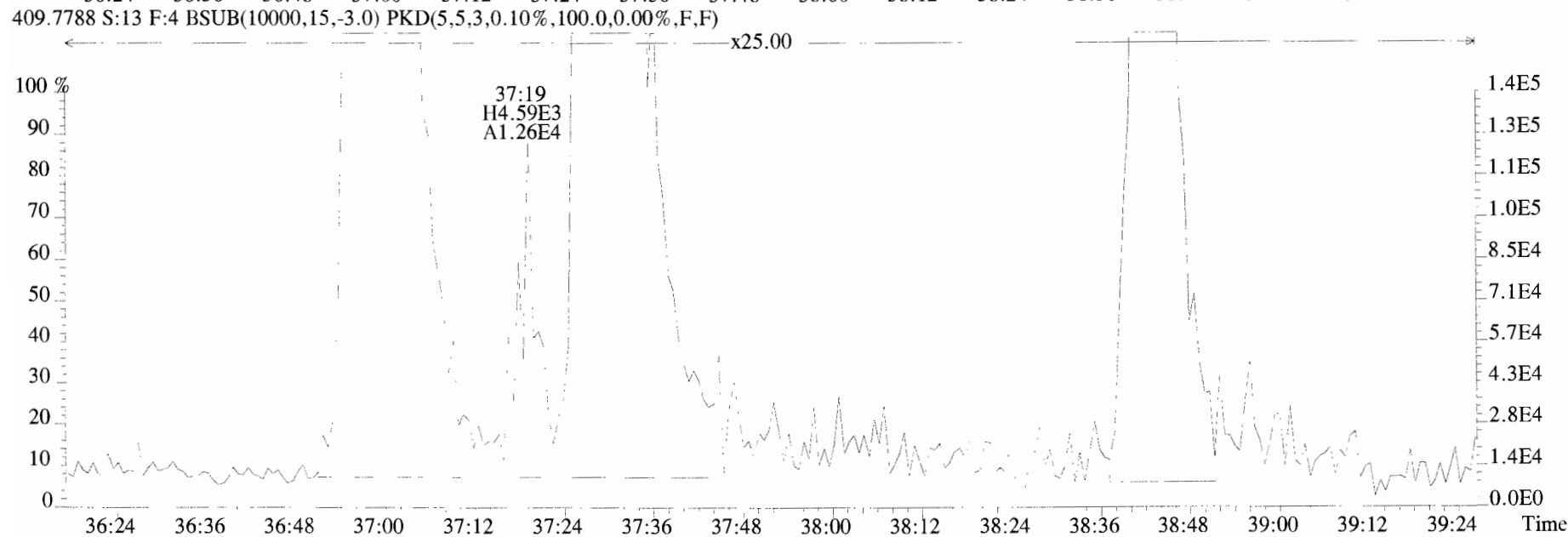
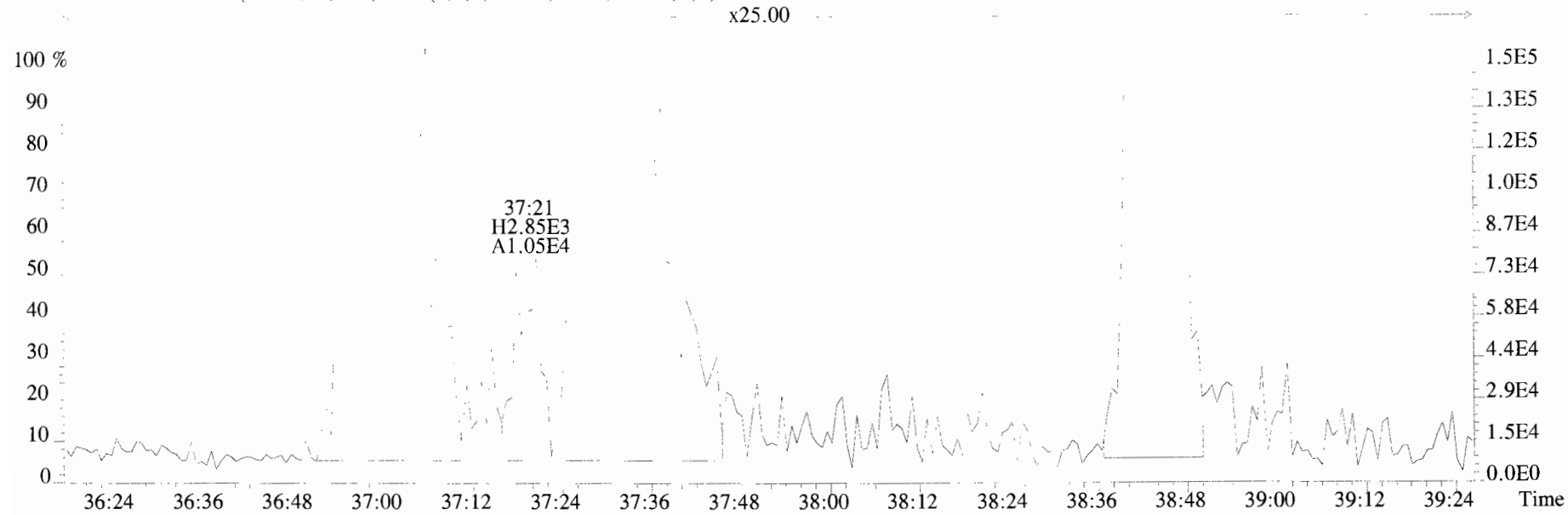
File:191011D2 #1-356 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



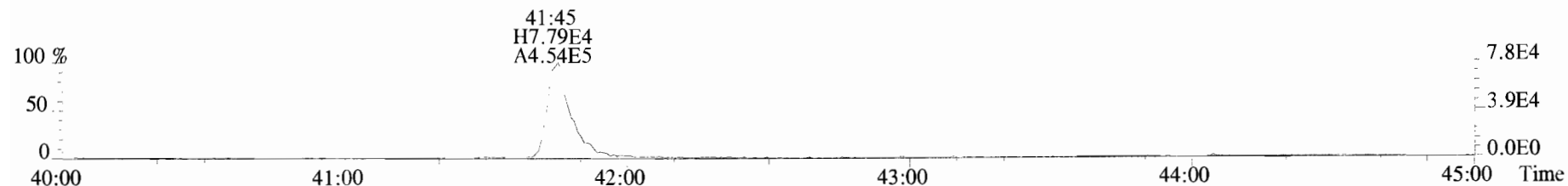
File:191011D2 #1-356 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



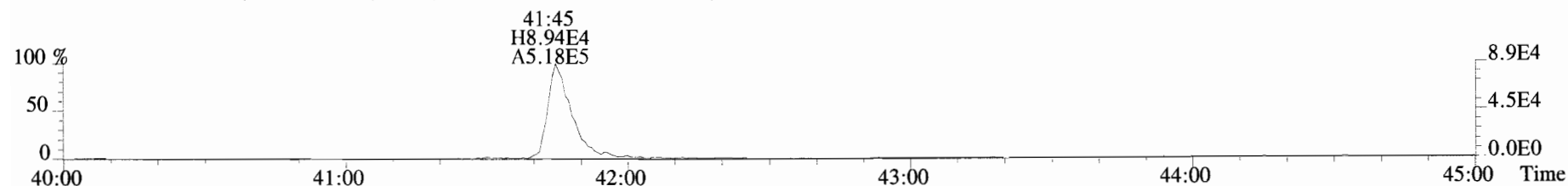
File:191011D2 #1-356 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
407.7818 S:13 F:4 BSub(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



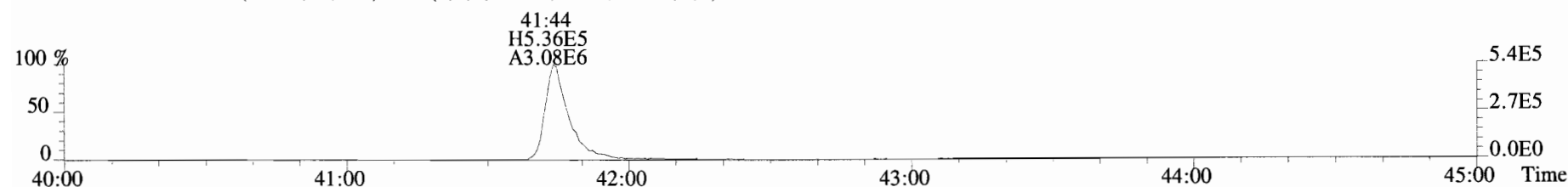
File:191011D2 #1-432 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
441.7428 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



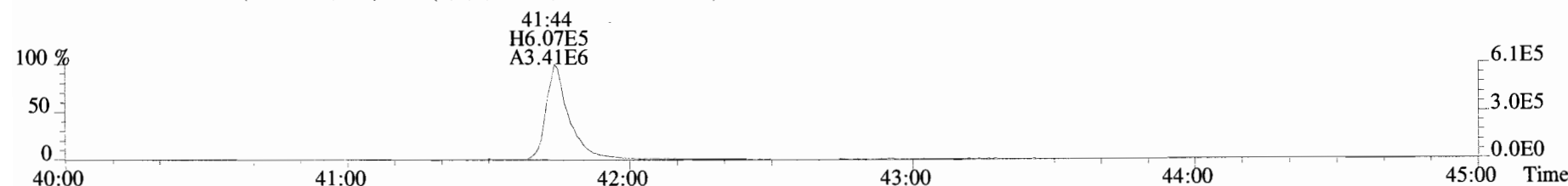
443.7398 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



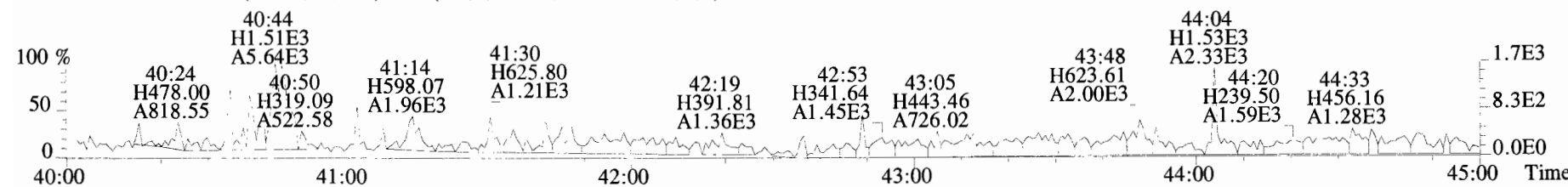
453.7831 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



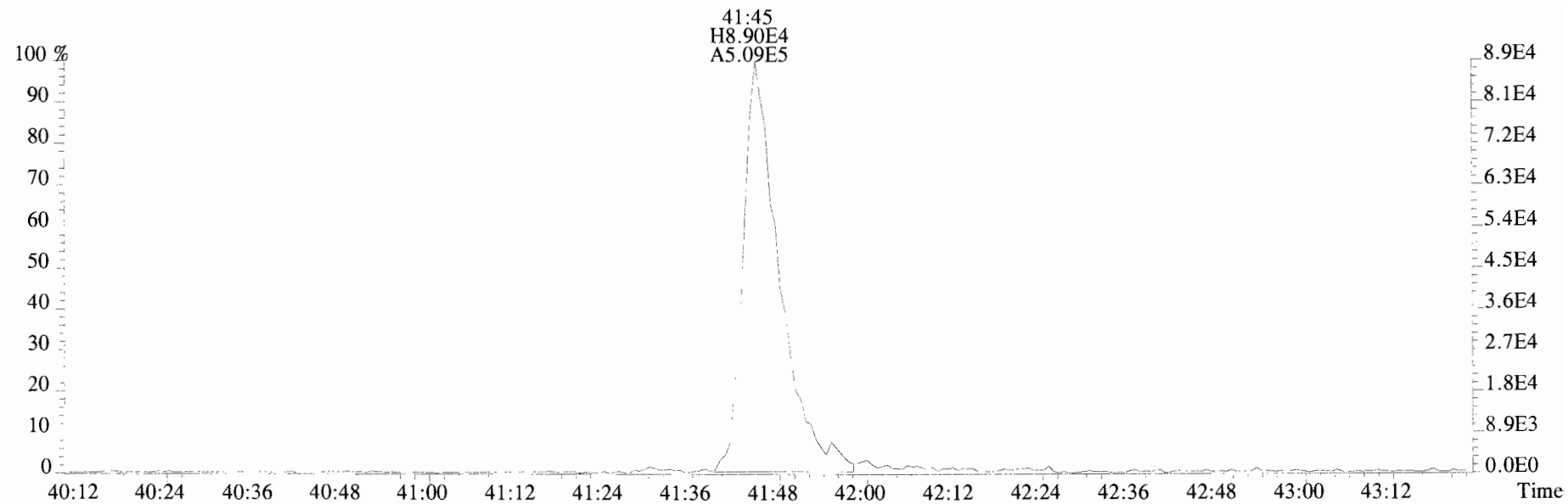
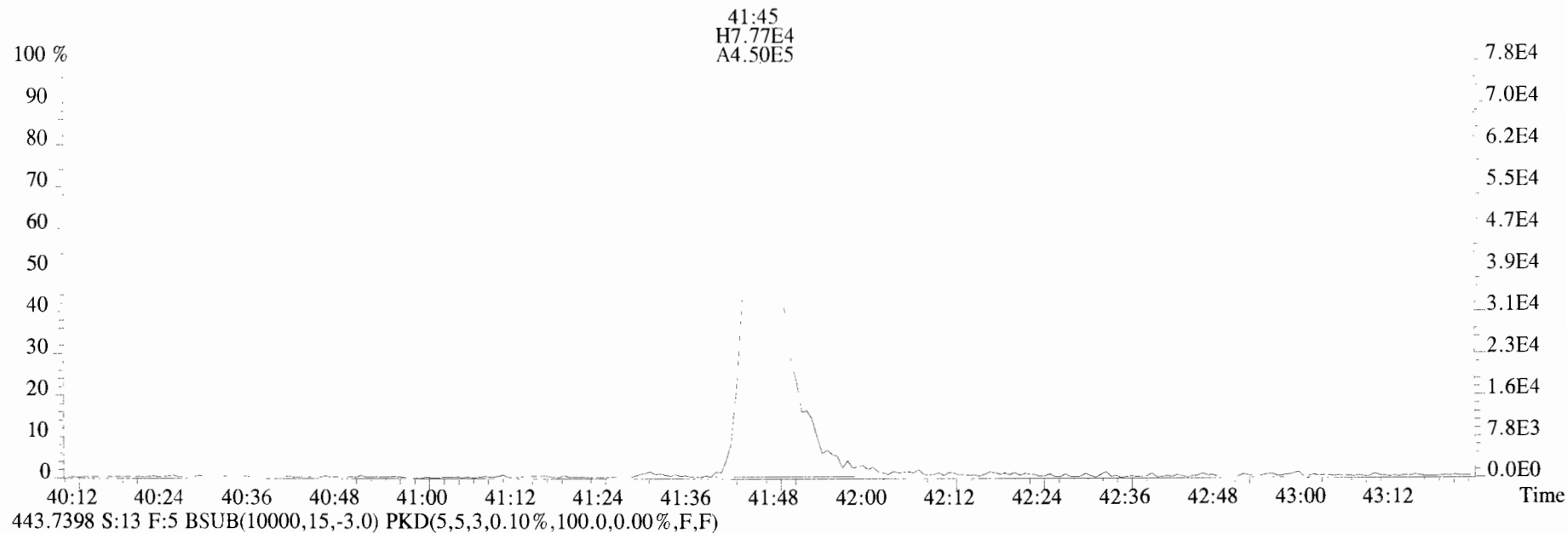
455.7801 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191011D2 #1-432 Acq:12-OCT-2019 10:50:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-05 PDI-101SG-00-01-190923 26.9 Exp:OCDD_DB5
441.7428 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.96e+04	0.70 y	0.91	26:18	0.52732	*	2.5	*	*	Total Tetra-Dioxins	6.13	6.13	*	*	
1,2,3,7,8-PeCDD	1.94e+04	0.55 y	0.90	30:46	0.68802	*	2.5	*	*	Total Penta-Dioxins	4.89	7.28	*	*	
1,2,3,4,7,8-HxCDD	2.38e+04	0.98 n	1.10	34:05	0.84790	*	2.5	*	*	Total Hexa-Dioxins	31.6	35.6	*	*	
1,2,3,6,7,8-HxCDD	1.09e+05	1.13 y	0.94	34:11	4.1021	*	2.5	*	*	Total Hepta-Dioxins	170	170	*	*	
1,2,3,7,8,9-HxCDD	5.29e+04	1.00 n	0.96	34:29	1.8948	*	2.5	*	*	Total Tetra-Furans	35.9	38.0	*	*	
1,2,3,4,6,7,8-HpCDD	1.94e+06	1.04 y	0.98	37:55	72.722	*	2.5	*	*	Total Penta-Furans	37.101	37.101	*	*	
OCDD	1.39e+07	0.91 y	0.96	41:12	664.32	*	2.5	*	*	Total Hexa-Furans	47.7	48.0	*	*	
										Total Hepta-Furans	49.8	49.8	*	*	
2,3,7,8-TCDF	5.36e+05	0.76 y	0.95	25:31	9.5982 (9.162)	*	2.5	*	*						
1,2,3,7,8-PeCDF	4.88e+05	1.62 y	0.96	29:36	10.490	*	2.5	*	*						
2,3,4,7,8-PeCDF	1.44e+05	1.50 y	1.01	30:28	2.9639	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	7.77e+05	1.21 y	1.18	33:11	18.147	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	2.24e+05	1.27 y	1.07	33:18	5.1264	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	8.02e+04	1.17 y	1.11	33:54	1.9459	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	3.07e+04	1.38 y	1.06	34:52	0.85080	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	5.84e+05	1.03 y	1.13	36:42	17.293	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	1.19e+05	1.12 y	1.28	38:27	3.7845	*	2.5	*	*						
OCDF	1.11e+06	0.93 y	0.95	41:25	50.356	*	2.5	*	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	8.06e+06	0.79 y	1.10	26:17	193.11					98.3					
IS 13C-1,2,3,7,8-PeCDD	6.13e+06	0.61 y	0.88	30:46	182.43					92.8					
IS 13C-1,2,3,4,7,8-HxCDD	5.00e+06	1.23 y	0.64	34:04	185.69					94.5					
IS 13C-1,2,3,6,7,8-HxCDD	5.57e+06	1.29 y	0.86	34:10	155.19					79.0					
IS 13C-1,2,3,7,8,9-HxCDD	5.70e+06	1.25 y	0.81	34:28	168.55					85.8					
IS 13C-1,2,3,4,6,7,8-HpCDD	5.37e+06	1.04 y	0.65	37:54	195.55					99.5					
IS 13C-OCDD	8.57e+06	0.95 y	0.58	41:11	352.40					89.7					
IS 13C-2,3,7,8-TCDF	1.15e+07	0.79 y	1.03	25:30	178.55					90.9					
IS 13C-1,2,3,7,8-PeCDF	9.51e+06	1.58 y	0.85	29:36	178.13					90.7					
IS 13C-2,3,4,7,8-PeCDF	9.43e+06	1.56 y	0.85	30:29	178.15					90.7					
IS 13C-1,2,3,4,7,8-HxCDF	7.15e+06	0.50 y	0.83	33:11	204.95					104					
IS 13C-1,2,3,6,7,8-HxCDF	8.02e+06	0.52 y	1.03	33:18	184.89					94.1					
IS 13C-2,3,4,6,7,8-HxCDF	7.28e+06	0.52 y	0.95	33:54	181.92					92.6					
IS 13C-1,2,3,7,8,9-HxCDF	6.68e+06	0.51 y	0.83	34:51	192.39					97.9					
IS 13C-1,2,3,4,6,7,8-HpCDF	5.89e+06	0.42 y	0.76	36:41	185.28					94.3					
IS 13C-1,2,3,4,7,8,9-HpCDF	4.81e+06	0.44 y	0.58	38:27	197.35					100					
IS 13C-OCDF	9.12e+06	0.96 y	0.69	41:25	315.55					80.3					
C/Up 37C1-2,3,7,8-TCDD	3.69e+06		1.20	26:18	80.848					103					
RS/RT 13C-1,2,3,4-TCDD	7.49e+06	0.77 y	1.00	25:44	196.49										
RS 13C-1,2,3,4-TCDF	1.23e+07	0.82 y	1.00	24:19	196.49										
RS/RT 13C-1,2,3,4,6,9-HxCDF	8.24e+06	0.50 y	1.00	33:35	196.49										

Integrations Reviewed
 by DB by HL
 Analyst: DB Analyst: HL ET
 Date: 10/28/19 Date: 10/31/19 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 17 File: 191016D2 S: 12 I: 1 F: 1
 Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 6.1764

Unnamed Concentration: 5.649

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
22:57	2.549e+04	2.977e+04	0.86	y	5.526e+04	1.4882
23:18	1.243e+04	1.558e+04	0.80	y	2.801e+04	0.75435
24:26	5.037e+03	6.342e+03	0.79	y	1.138e+04	0.30644
24:39	6.130e+03	8.586e+03	0.71	y	1.472e+04	0.39630
24:50	4.742e+03	6.796e+03	0.70	y	1.154e+04	0.31070
26:04	3.334e+04	4.489e+04	0.74	y	7.823e+04	2.1066
26:18	8.055e+03	1.153e+04	0.70	y	1.958e+04	0.52732
26:35	3.640e+03	5.099e+03	0.71	y	8.739e+03	0.23534
27:08	1.031e+03	1.073e+03	0.96	n	1.899e+03	0.051148

2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 17 File: 191016D2 S: 12 I: 1 F: 2
 Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 7.2761 Unnamed Concentration: 6.588

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:45	2.388e+04	3.461e+04	0.69	y	5.849e+04	2.0778
29:11	6.084e+03	1.378e+04	0.44	n	1.574e+04	0.55917
29:37	1.119e+04	1.813e+04	0.62	y	2.932e+04	1.0416
29:46	8.359e+03	1.997e+04	0.42	n	2.163e+04	0.76834
29:52	8.552e+03	1.029e+04	0.83	n	1.677e+04	0.59566
30:04	1.130e+04	1.921e+04	0.59	y	3.051e+04	1.0840
30:46	6.832e+03	1.254e+04	0.55	y	1.937e+04	0.68802
30:51	3.307e+03	4.248e+03	0.78	n	6.925e+03	0.24599
31:08	3.440e+03	3.722e+03	0.92	n	6.066e+03	0.21551

1,2,3,7,8-PeCDD

Totals class: HxCDD EMPC

Entry #: 23

Run: 17 File: 191016D2 S: 12 I: 1 F: 3
Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 35.647 Unnamed Concentration: 28.802

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
32:32	1.808e+05	1.412e+05	1.28	y	3.221e+05	11.759	
33:07	2.579e+04	2.156e+04	1.20	y	4.735e+04	1.7288	
33:22	2.089e+05	1.753e+05	1.19	y	3.841e+05	14.026	
33:30	1.346e+04	8.252e+03	1.63	n	1.848e+04	0.67492	
34:05	1.316e+04	1.343e+04	0.98	n	2.378e+04	0.84790	1,2,3,4,7,8-HxCDD
34:11	5.783e+04	5.133e+04	1.13	y	1.092e+05	4.1021	1,2,3,6,7,8-HxCDD
34:22	9.295e+03	9.213e+03	1.01	n	1.679e+04	0.61309	
34:29	2.927e+04	2.925e+04	1.00	n	5.288e+04	1.8948	1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 17 File: 191016D2 S: 12 I: 1 F: 4
Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 169.59

Unnamed Concentration: 96.864

RT	m1 Resp	m2 Resp	RA	Resp	Concentration	Name
37:05	1.300e+06	1.290e+06	1.01 y	2.591e+06	96.864	
37:55	9.899e+05	9.550e+05	1.04 y	1.945e+06	72.722	1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 17 File: 191016D2 S: 12 I: 1 F: 1
Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 37.996 Unnamed Concentration: 28.398

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
20:52	8.616e+03	1.078e+04	0.80	y	1.940e+04	0.34734
21:24	1.280e+04	1.665e+04	0.77	y	2.945e+04	0.52738
22:02	6.001e+04	8.194e+04	0.73	y	1.419e+05	2.5420
22:34	4.235e+04	5.239e+04	0.81	y	9.474e+04	1.6966
22:56	8.592e+04	1.172e+05	0.73	y	2.032e+05	3.6380
23:20	3.333e+04	4.665e+04	0.71	y	7.998e+04	1.4322
23:27	1.545e+04	2.040e+04	0.76	y	3.586e+04	0.64210
23:37	2.679e+04	3.834e+04	0.70	y	6.513e+04	1.1663
23:58	9.209e+03	7.170e+03	1.28	n	1.269e+04	0.22728
24:05	1.265e+04	1.373e+04	0.92	n	2.430e+04	0.43509
24:13	3.562e+04	3.871e+04	0.92	n	6.852e+04	1.2271
24:20	5.044e+04	6.946e+04	0.73	y	1.199e+05	2.1471
24:44	1.779e+05	2.252e+05	0.79	y	4.031e+05	7.2196
24:59	1.710e+04	2.007e+04	0.85	y	3.717e+04	0.66561
25:09	7.075e+03	9.148e+03	0.77	y	1.622e+04	0.29053
25:25	4.397e+04	5.400e+04	0.81	y	9.797e+04	1.7544
25:31	2.320e+05	3.039e+05	0.76	y	5.360e+05	9.5982
25:51	3.033e+04	3.890e+04	0.78	y	6.923e+04	1.2398
26:04	4.084e+03	7.608e+03	0.54	n	9.389e+03	0.16814
27:17	2.696e+04	3.064e+04	0.88	y	5.760e+04	1.0315

2,3,7,8-TCDF

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 17 File: 191016D2 S: 12 I: 1 F: 1
Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 5.5380 Unnamed Concentration: 5.538

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:16	1.603e+05	1.033e+05	1.55 y	2.636e+05	5.5380

Totals class: PeCDF EMPC

Entry #: 31

Run: 17 File: 191016D2 S: 12 I. 1 F: 2
Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 31.563 Unnamed Concentration: 18.109

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:33	2.587e+04	1.569e+04	1.65 y		4.156e+04	0.87327
28:41	2.273e+05	1.385e+05	1.64 y		3.657e+05	7.6846
29:14	5.280e+04	3.616e+04	1.46 y		8.896e+04	1.8692
29:26	2.999e+04	2.131e+04	1.41 y		5.130e+04	1.0778
29:36	3.014e+05	1.862e+05	1.62 y		4.876e+05	10.490 1,2,3,7,8-PeCDF
29:50	9.230e+04	5.935e+04	1.56 y		1.517e+05	3.1864
30:23	8.235e+03	5.357e+03	1.54 y		1.359e+04	0.28558
30:28	8.670e+04	5.767e+04	1.50 y		1.444e+05	2.9639 2,3,4,7,8-PeCDF
30:31	8.325e+04	4.861e+04	1.71 y		1.319e+05	2.7705
31:21	1.023e+04	6.997e+03	1.46 y		1.723e+04	0.36205

Totals class: HxCDF EMPC

Entry #: 33

Run: 17 File: 191016D2 S: 12 I: 1 F: 3
 Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 48.028

Unnamed Concentration: 21.958

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:00	5.922e+04	4.974e+04	1.19	y	1.090e+05	2.6640
32:10	1.686e+05	1.407e+05	1.20	y	3.094e+05	7.5643
32:32	5.784e+03	4.593e+03	1.26	y	1.038e+04	0.25374
32:43	2.221e+05	1.827e+05	1.22	y	4.049e+05	9.8989
33:04	8.569e+03	5.845e+03	1.47	n	1.309e+04	0.32010
33:11	4.252e+05	3.522e+05	1.21	y	7.773e+05	18.147
33:18	1.251e+05	9.872e+04	1.27	y	2.238e+05	5.1264
33:54	4.330e+04	3.694e+04	1.17	y	8.025e+04	1.9459
34:52	1.781e+04	1.291e+04	1.38	y	3.071e+04	0.85080
34:54	2.789e+04	2.351e+04	1.19	y	5.140e+04	1.2568

Totals class: HpCDF EMPC

Entry #: 35

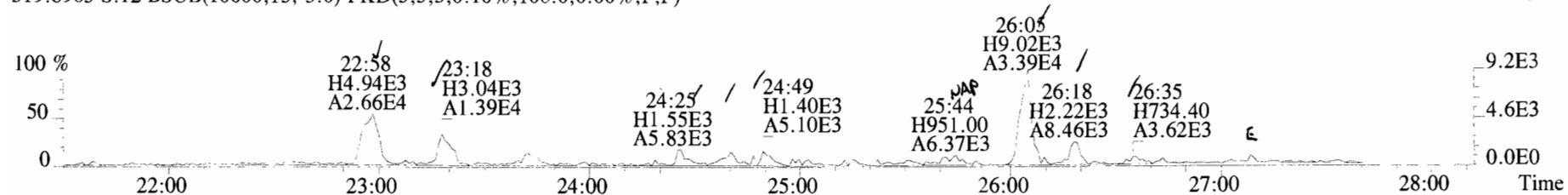
Run: 17 File: 191016D2 S: 12 I: 1 F: 4
 Acquired: 17-OCT-19 09:26:14 Processed: 17-OCT-19 13:17:11

Total Concentration: 49.806

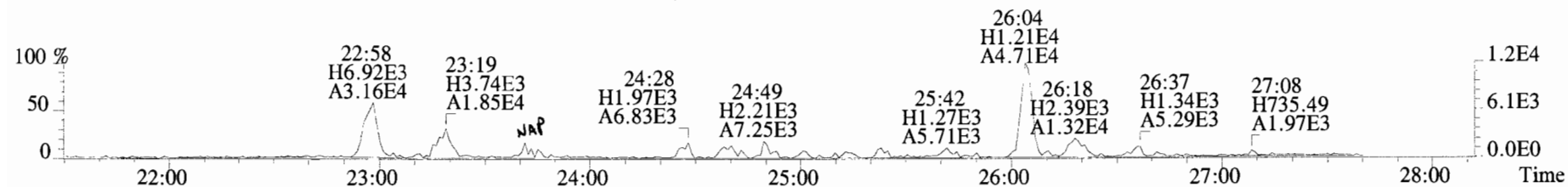
Unnamed Concentration: 28.729

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:42	2.969e+05	2.875e+05	1.03 y	5.844e+05	17.293	1,2,3,4,6,7,8-HpCDF
37:06	1.112e+04	1.099e+04	1.01 y	2.211e+04	0.68003	
37:16	4.545e+05	4.573e+05	0.99 y	9.118e+05	28.049	
38:27	6.258e+04	5.605e+04	1.12 y	1.186e+05	3.7845	1,2,3,4,7,8,9-HpCDF

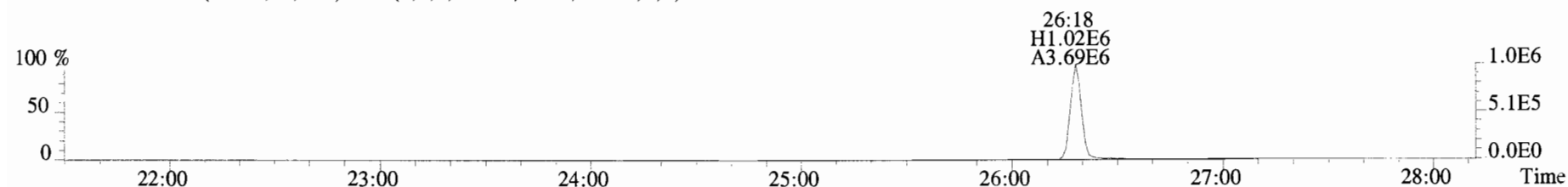
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



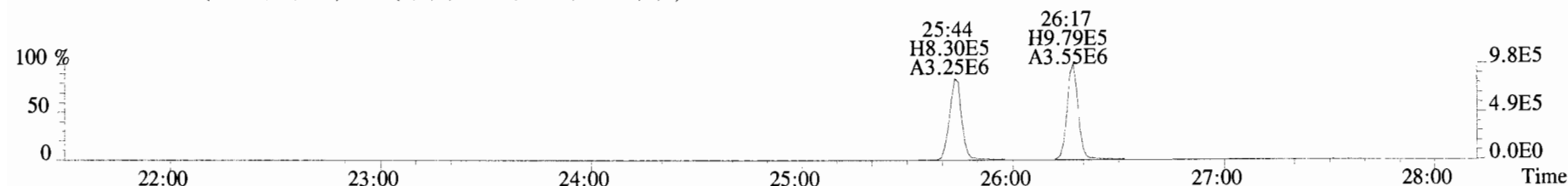
321.8936 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



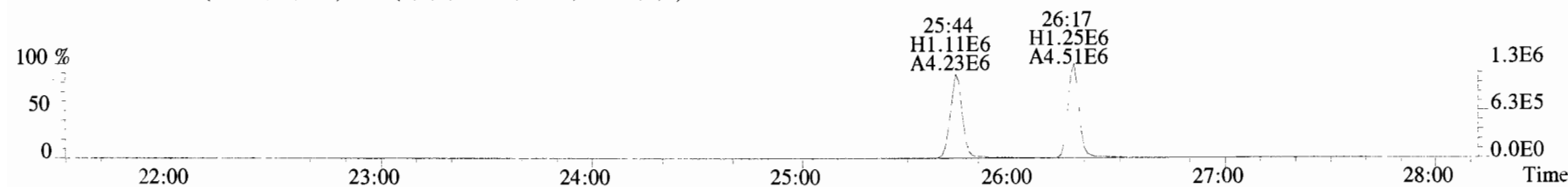
327.8847 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



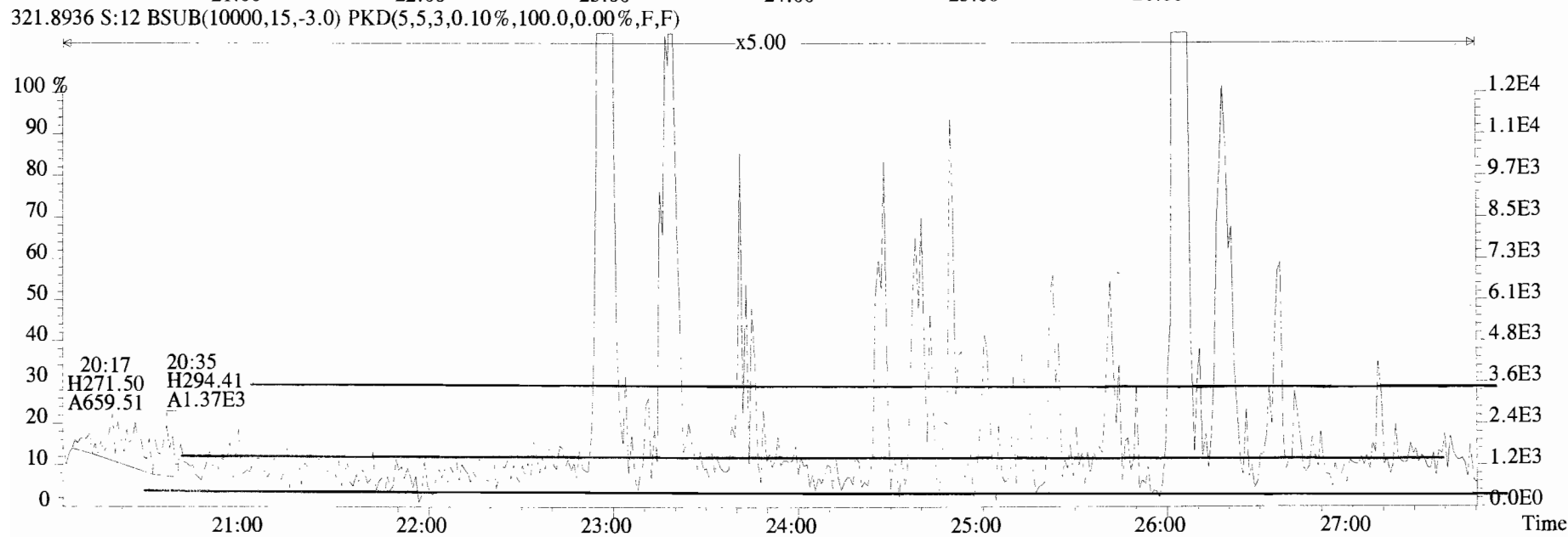
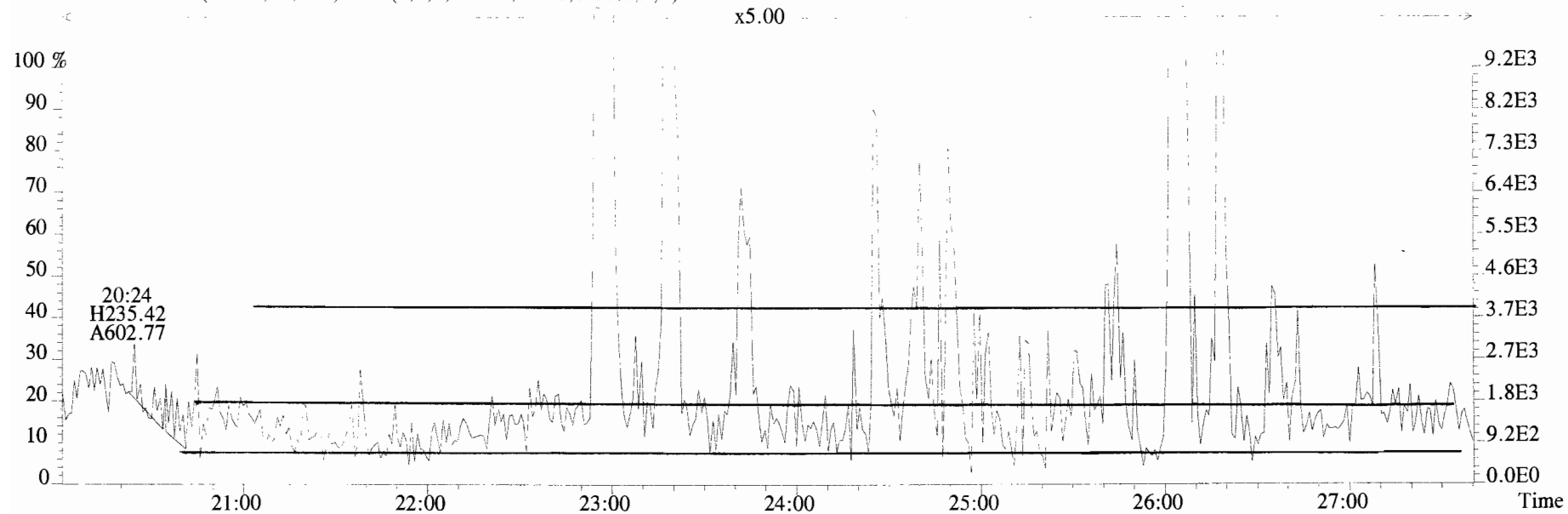
331.9368 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



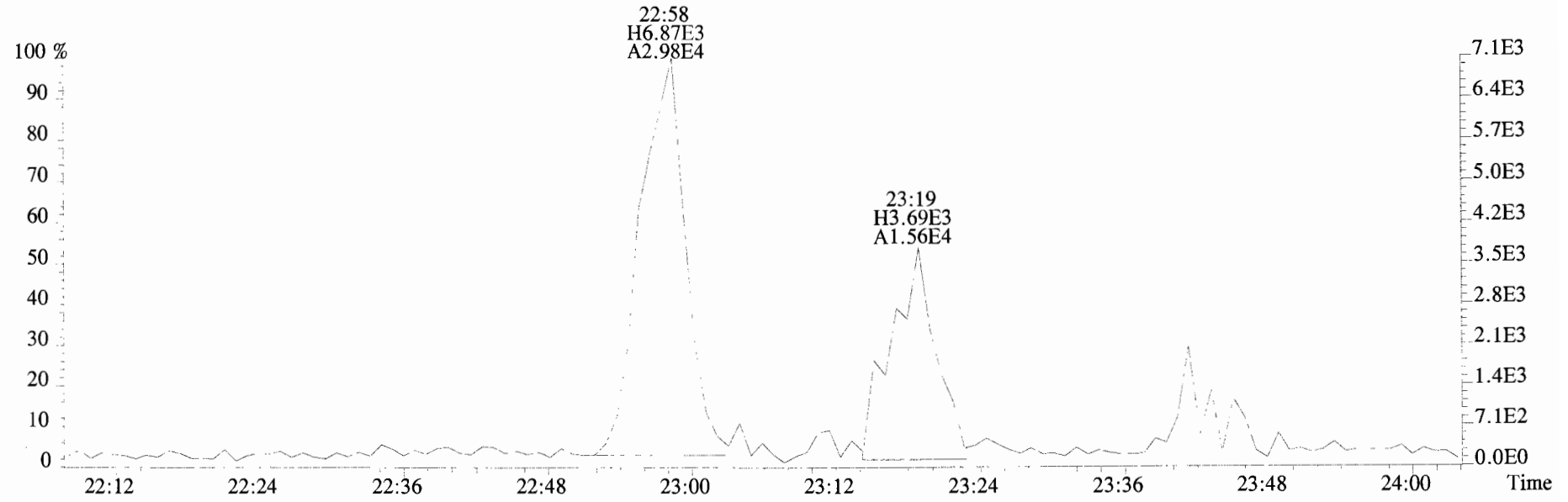
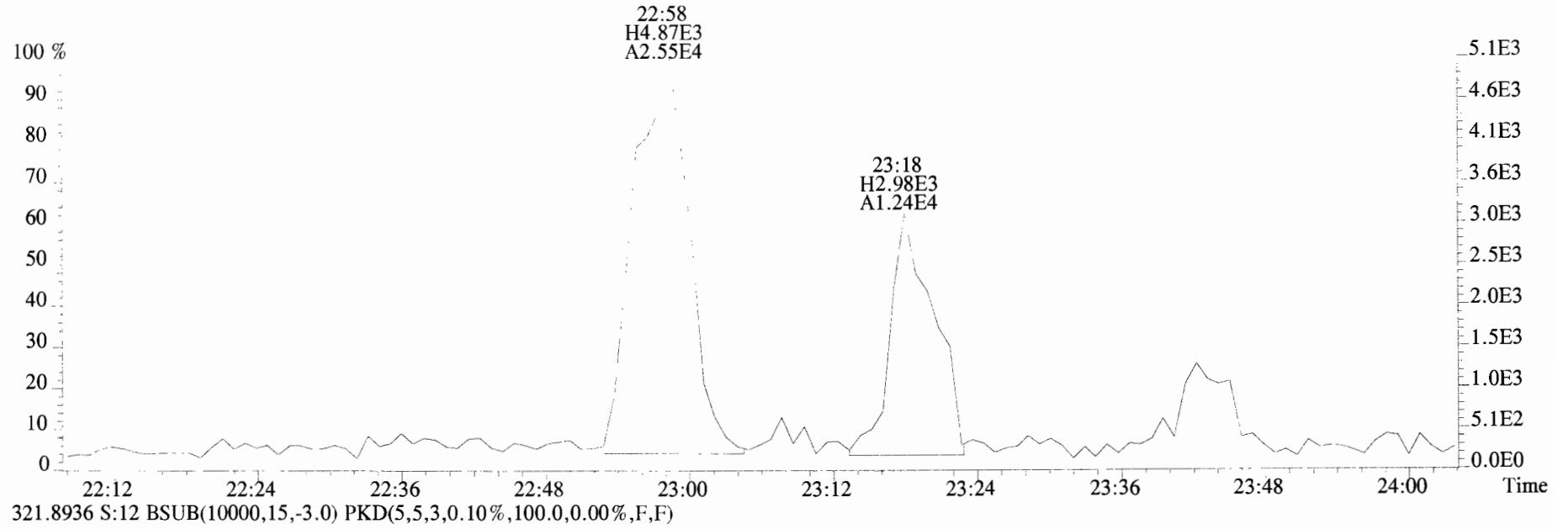
333.9339 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



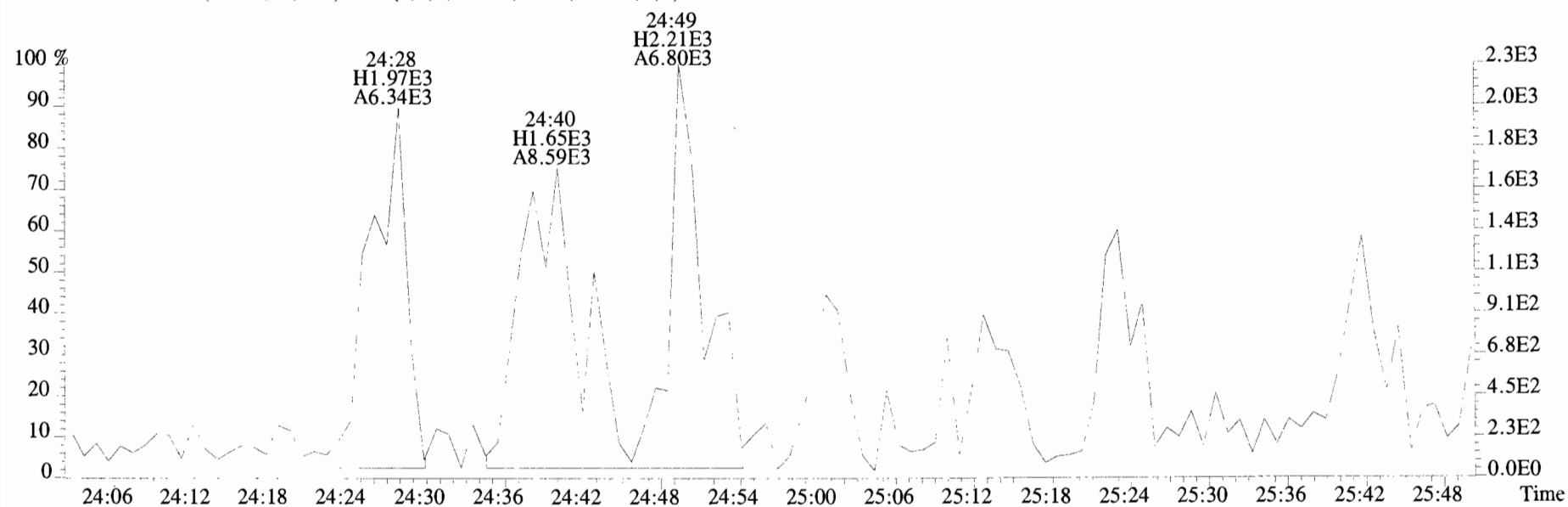
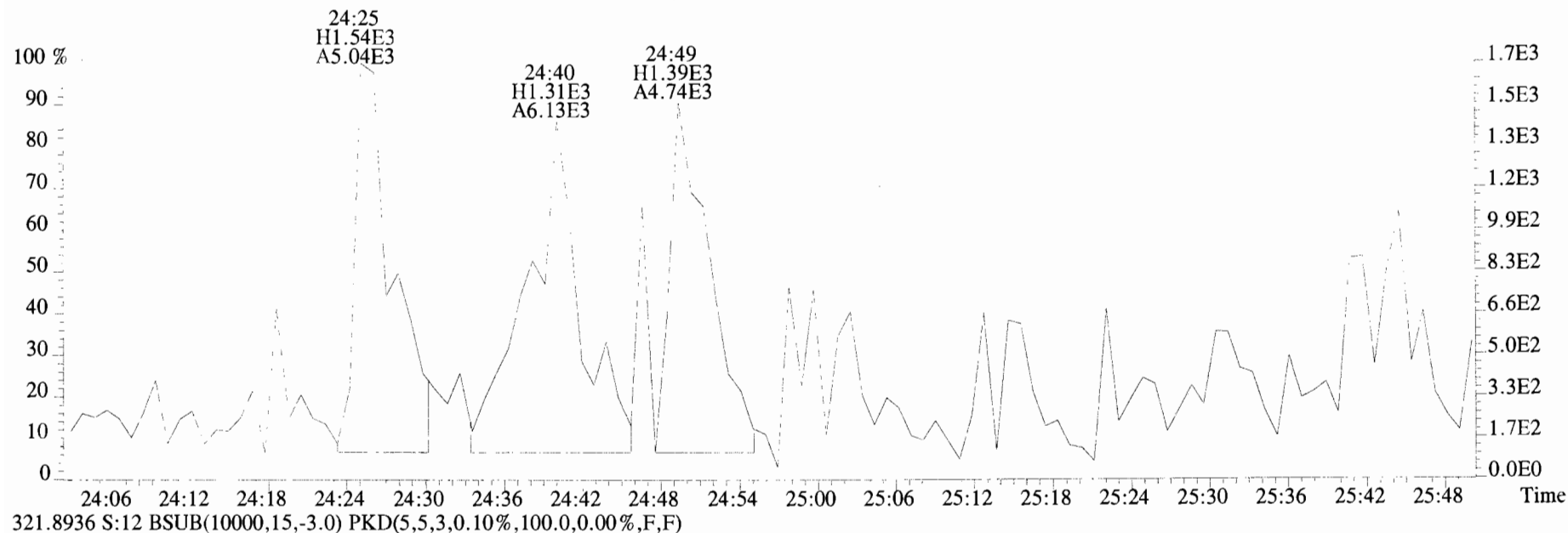
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



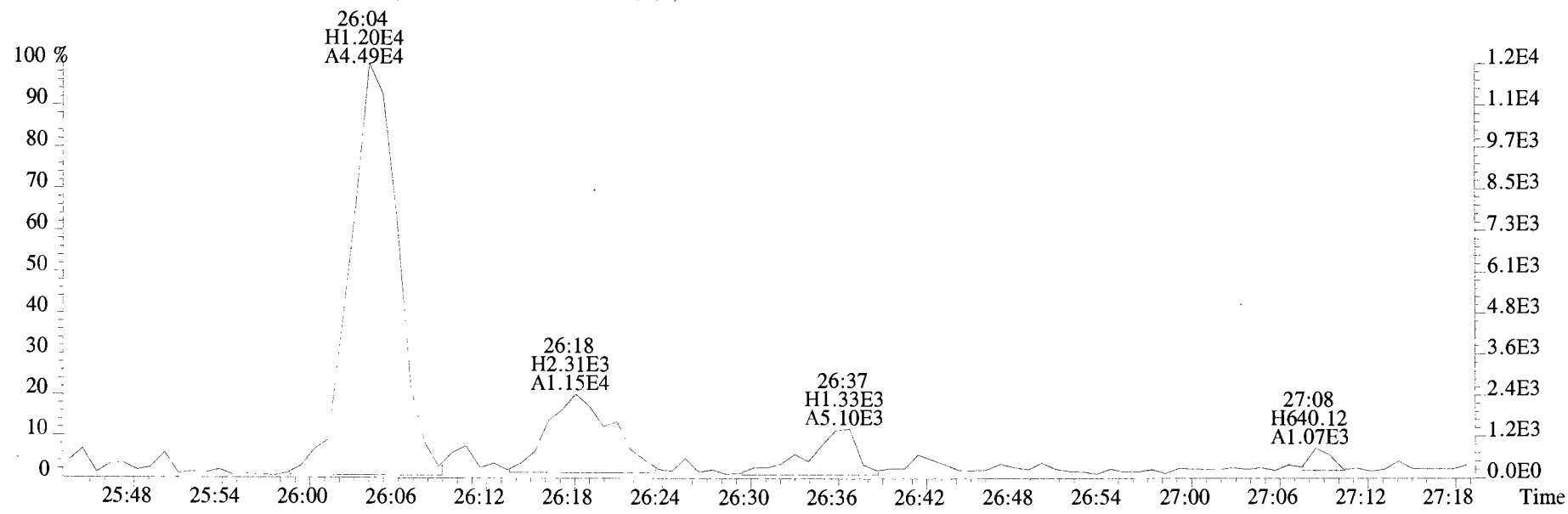
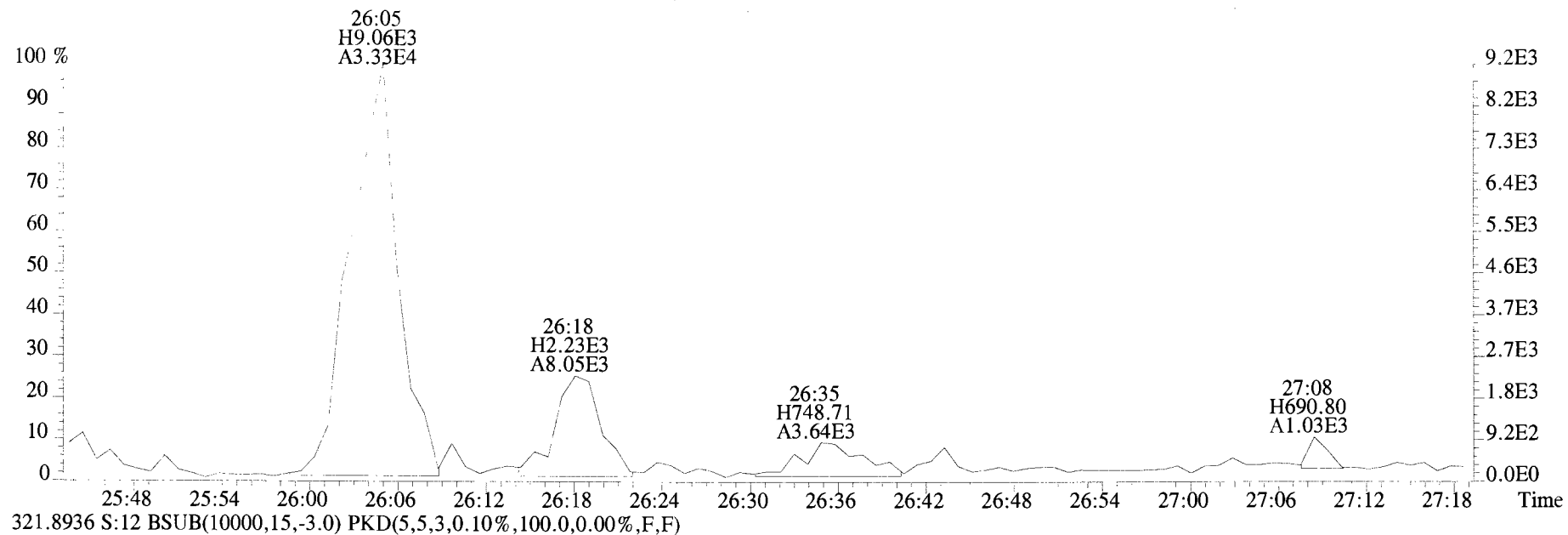
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Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
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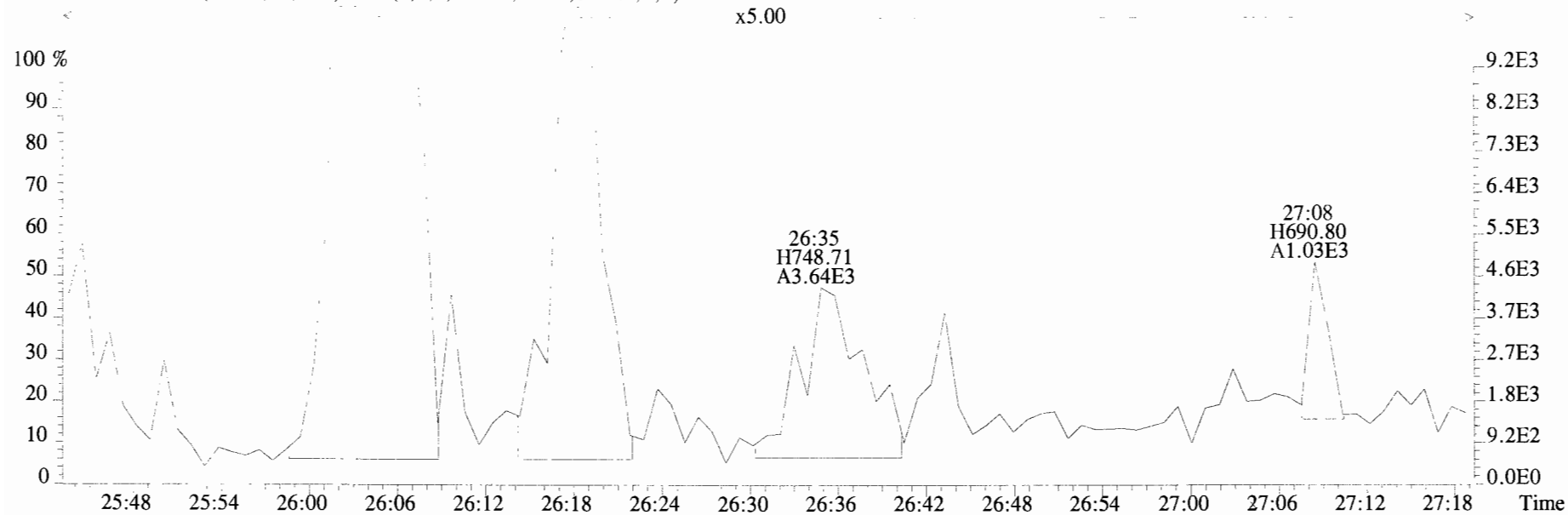
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Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



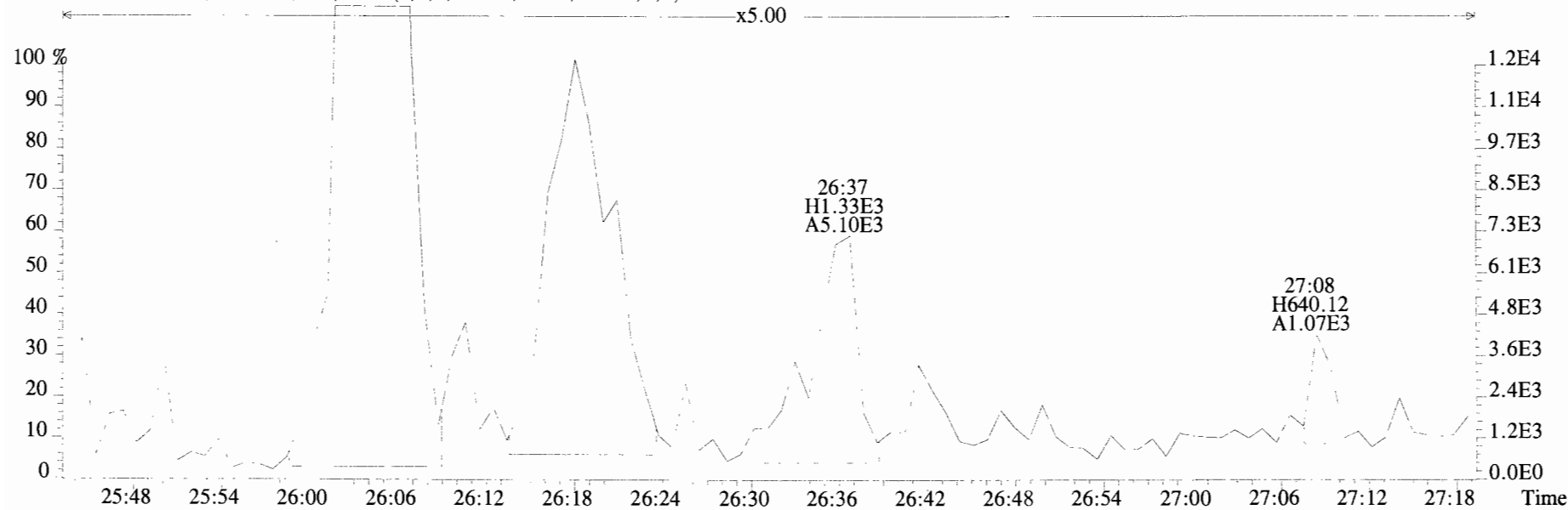
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Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



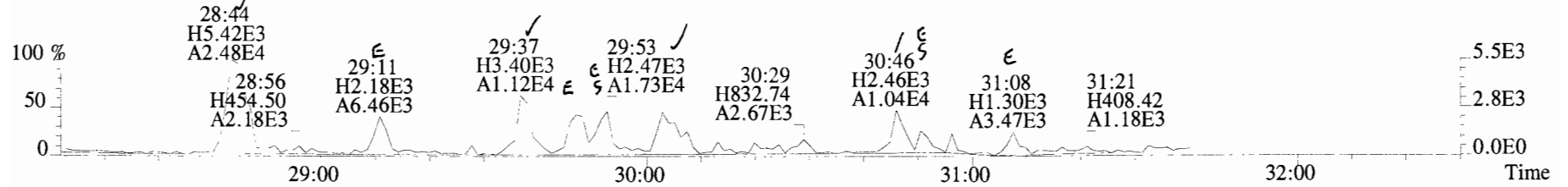
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Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
319.8965 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



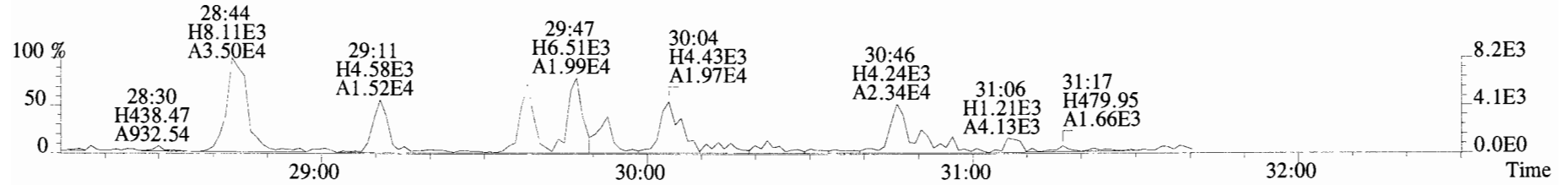
321.8936 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



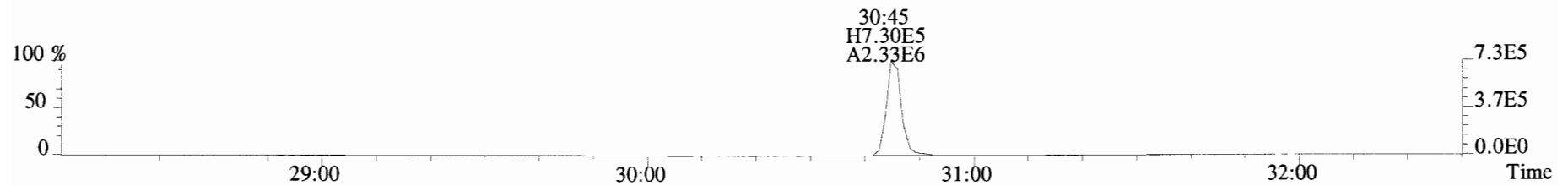
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



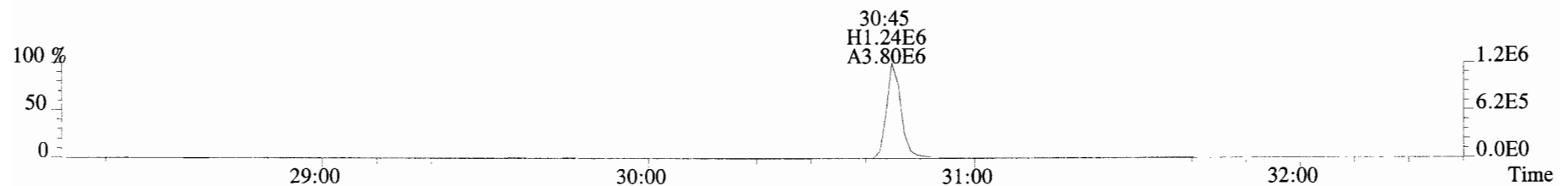
355.8546 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



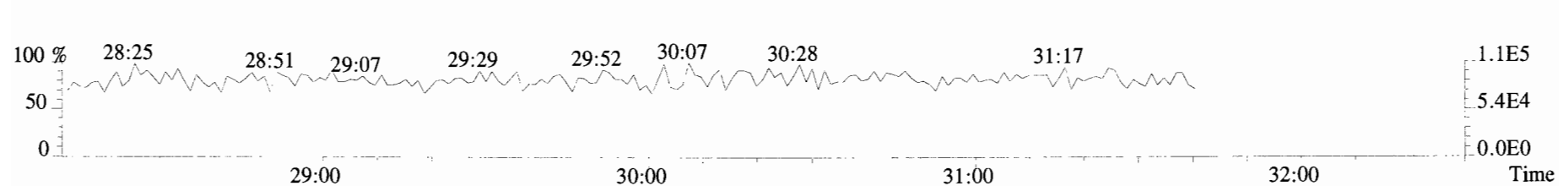
365.8978 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



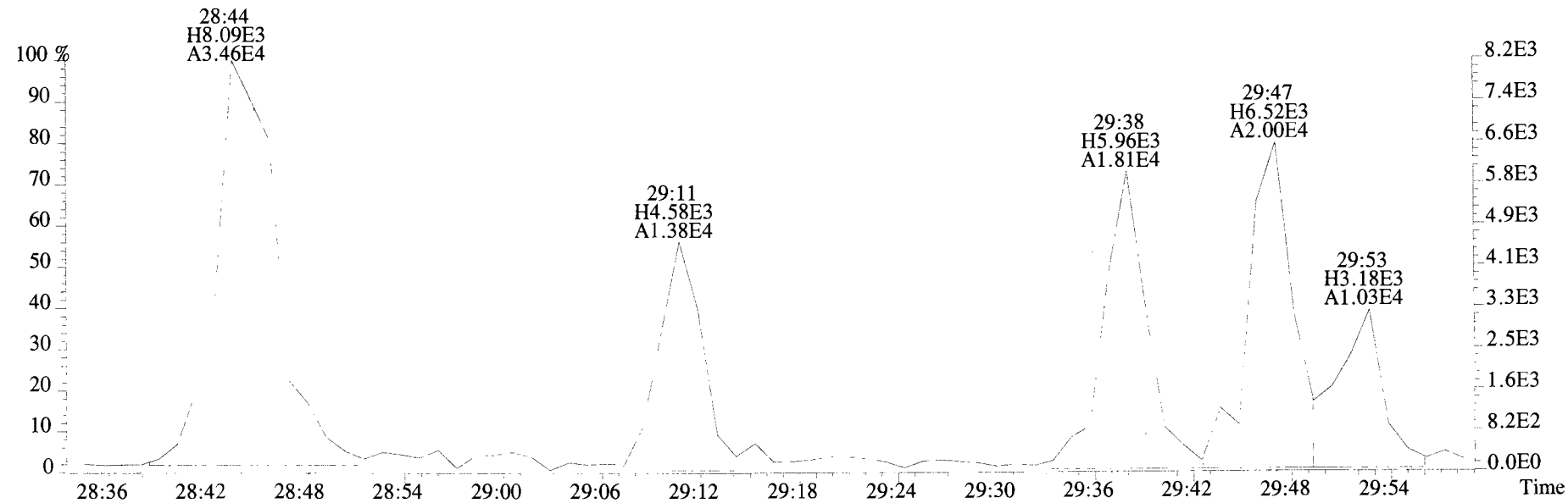
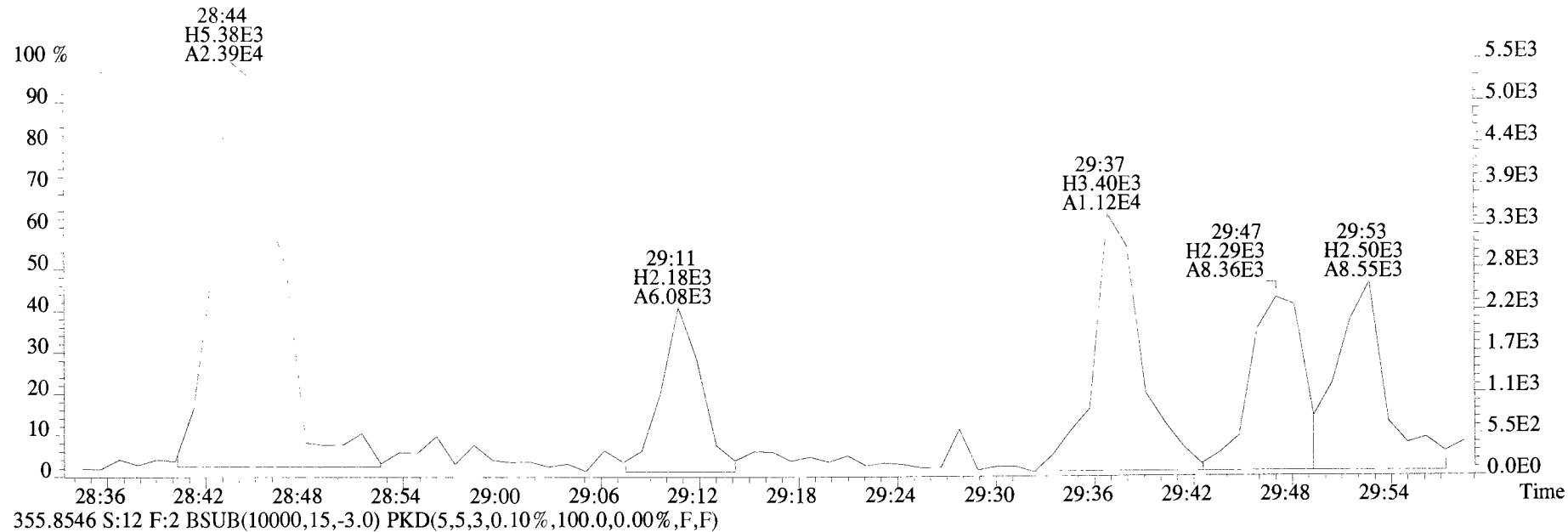
367.8949 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



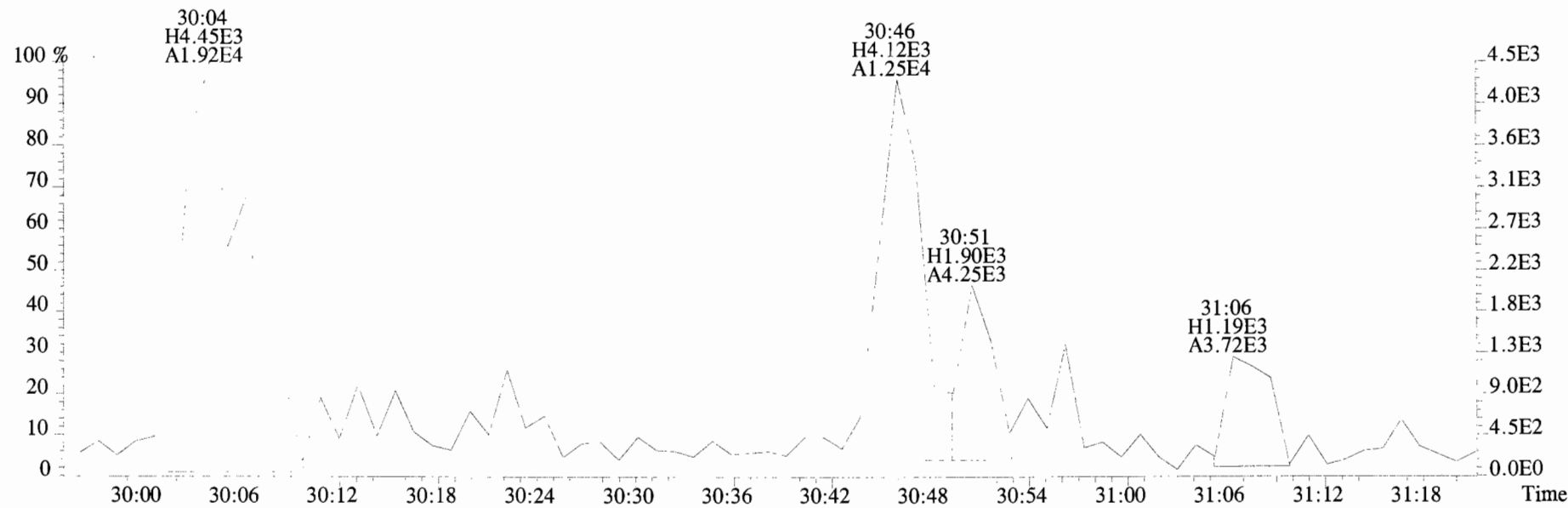
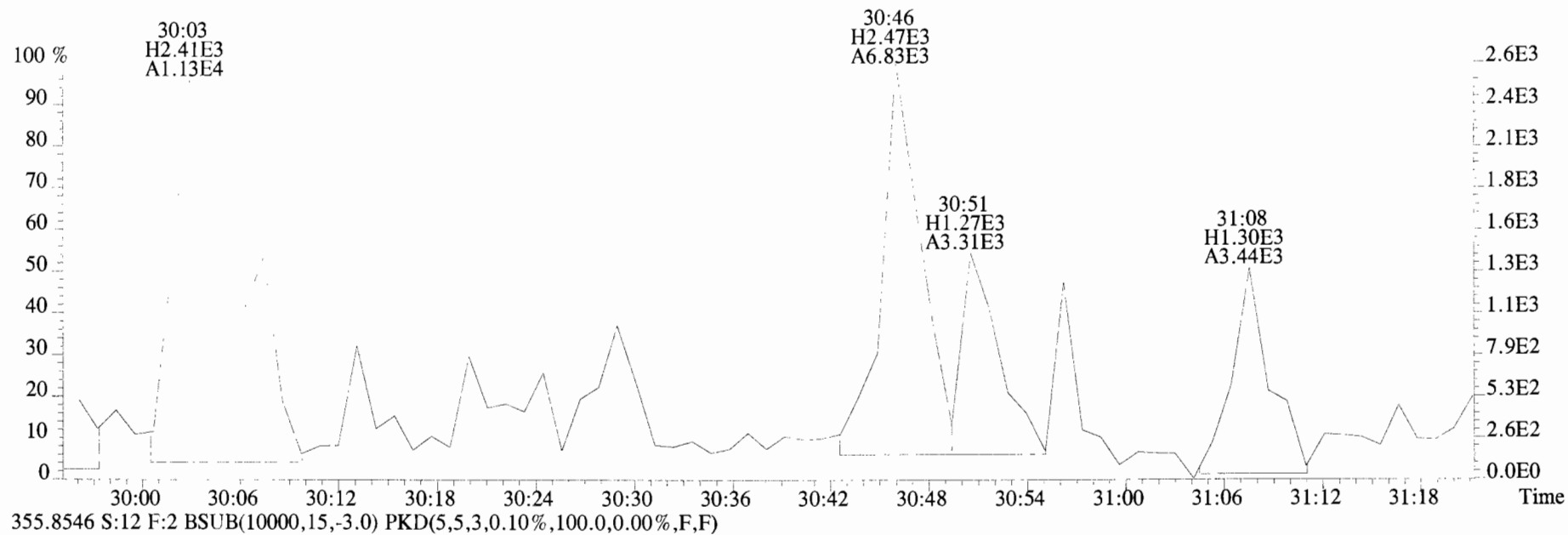
366.9792 S:12 F:2



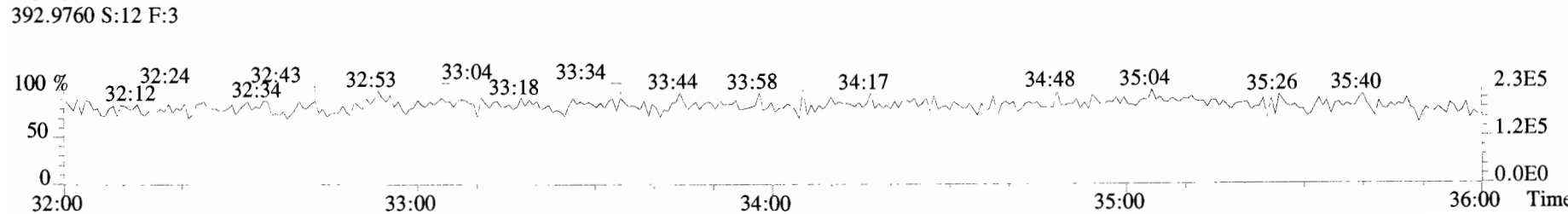
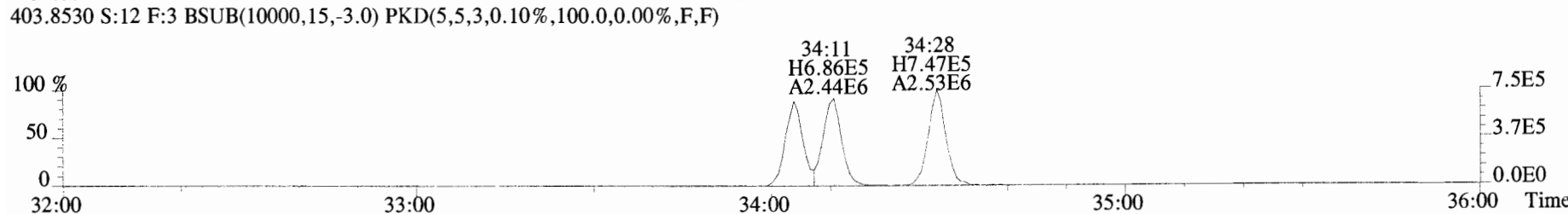
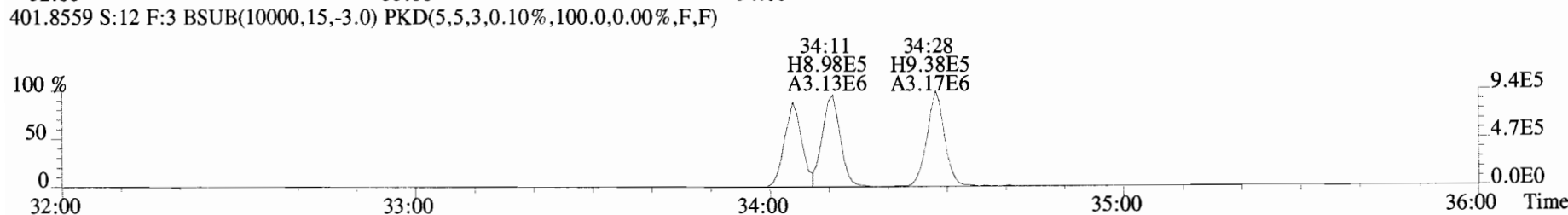
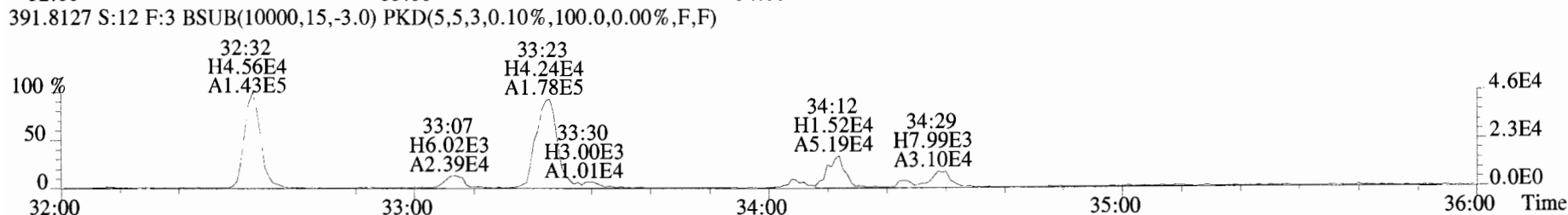
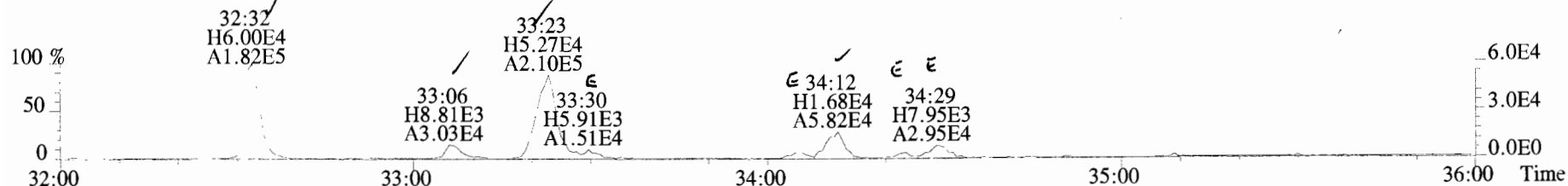
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



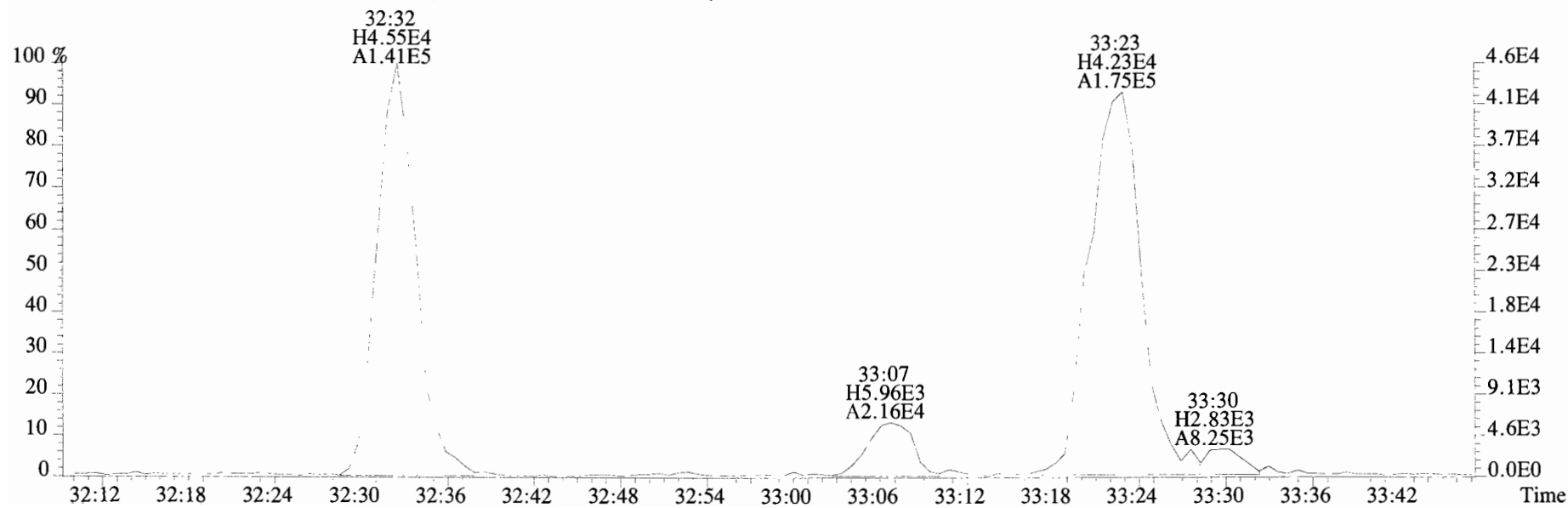
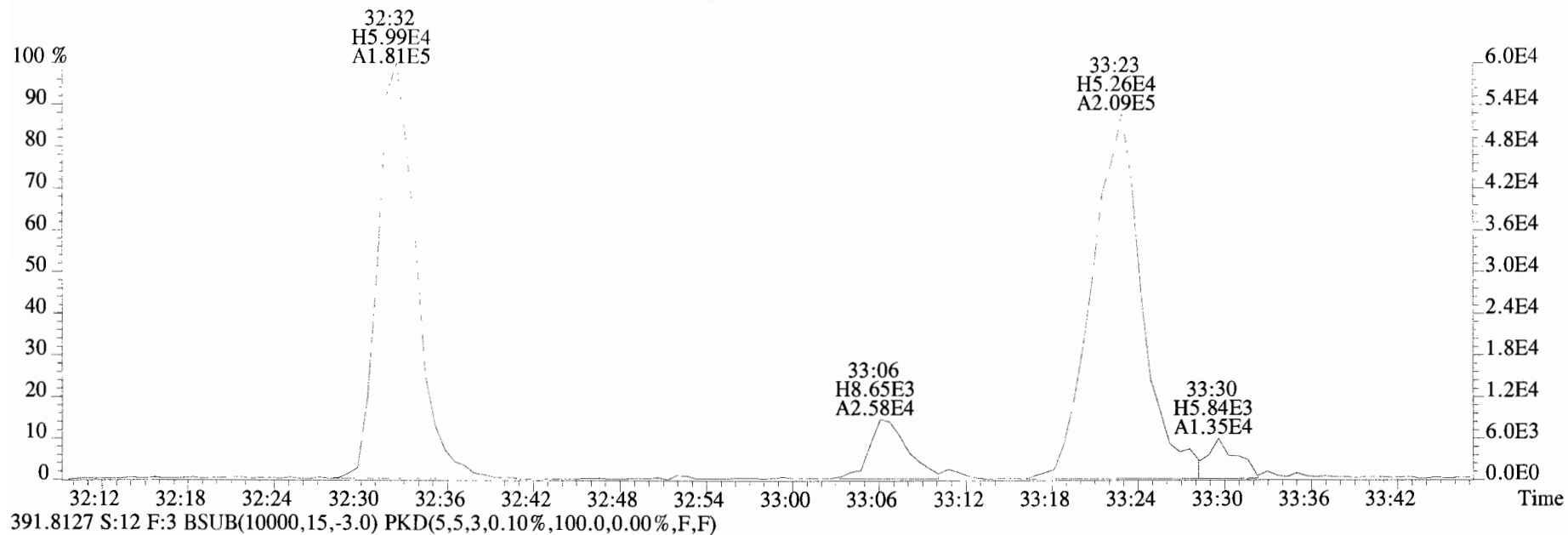
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 353.8576 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



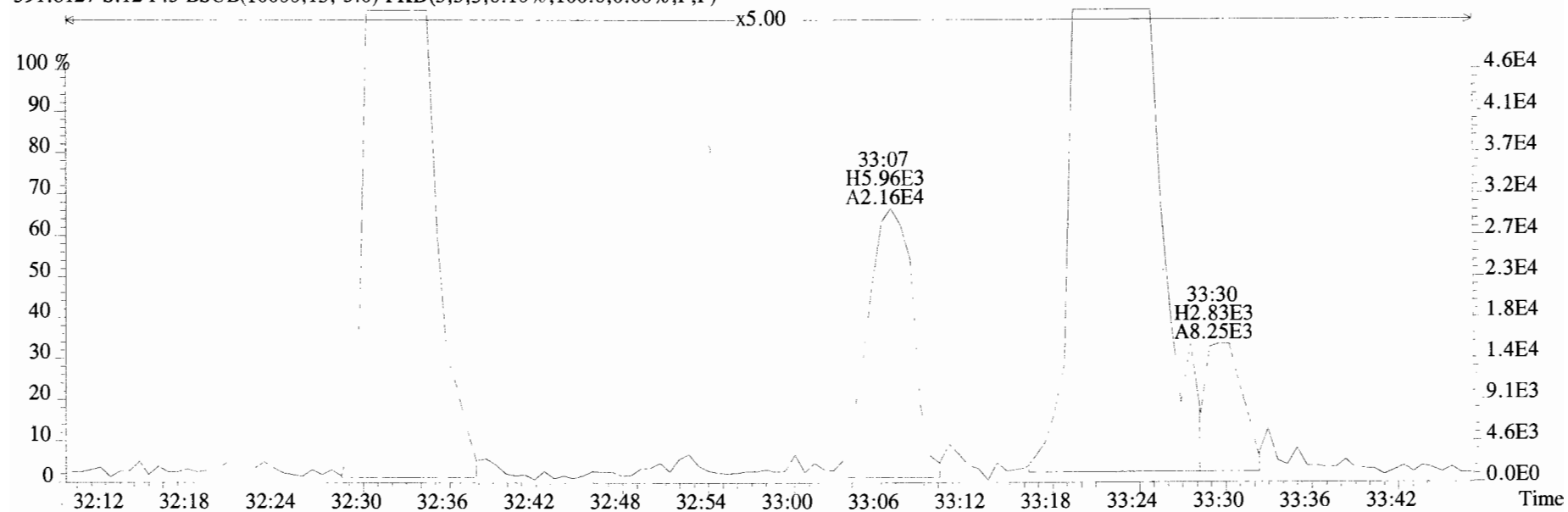
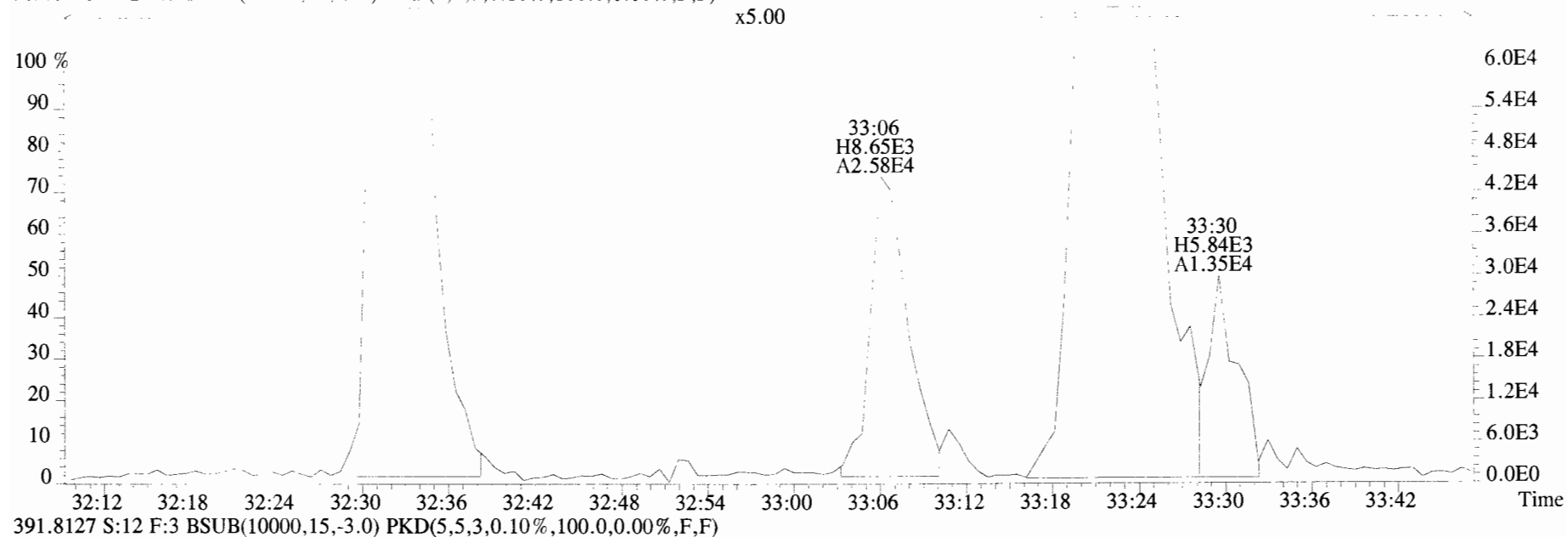
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



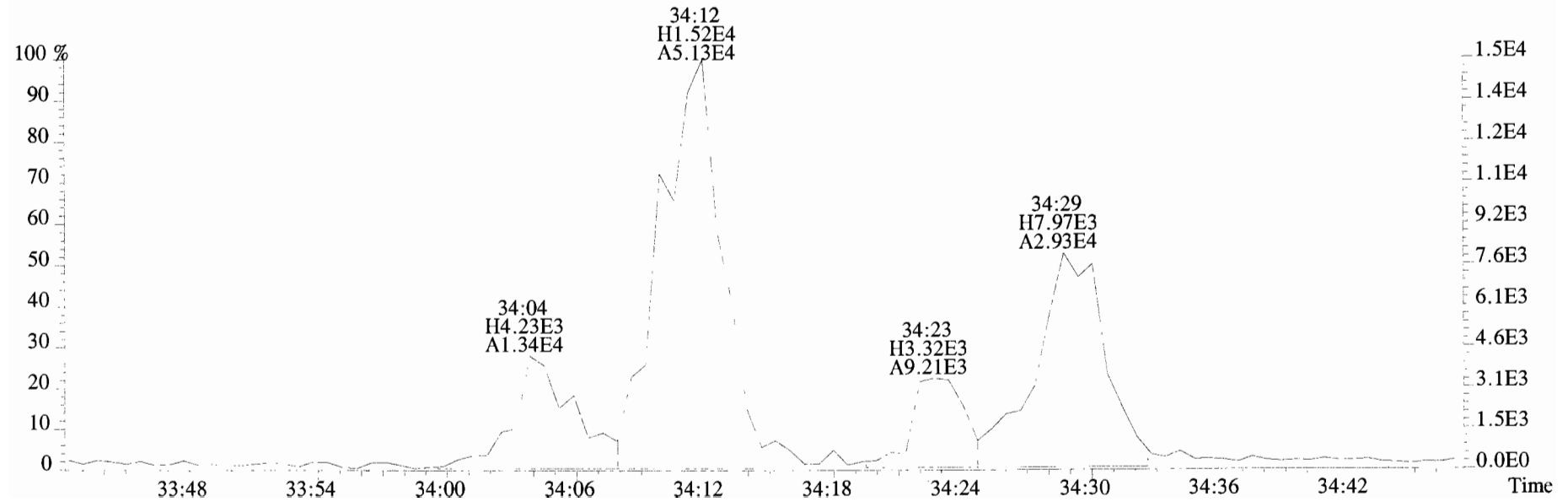
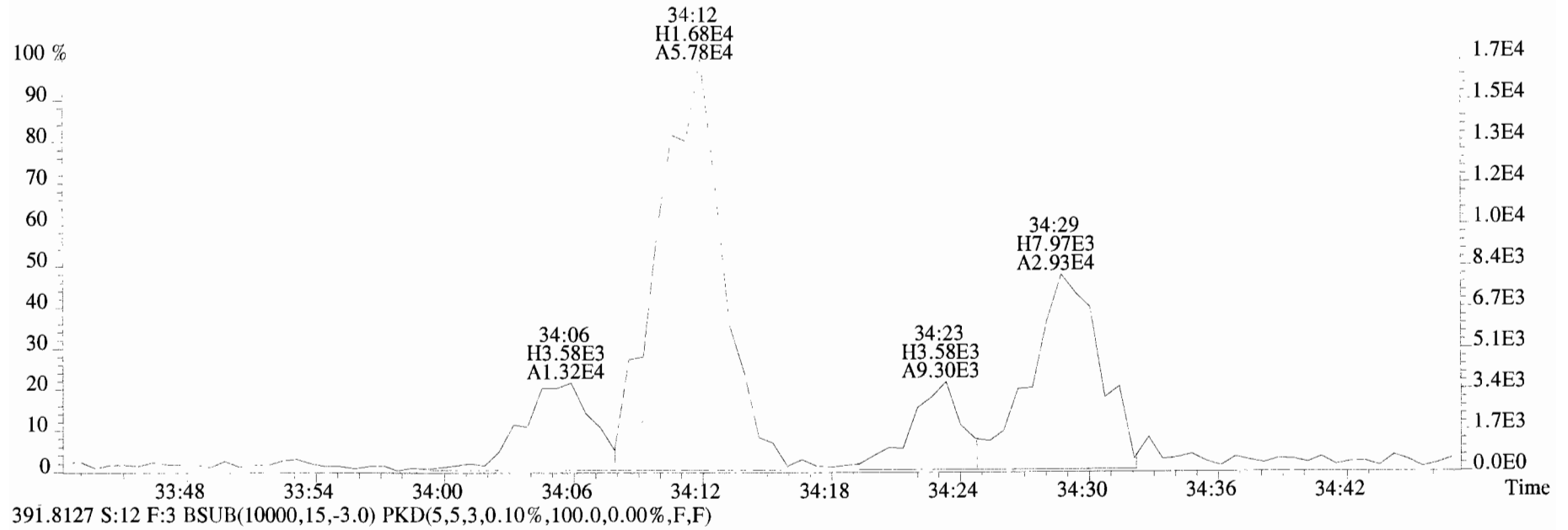
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



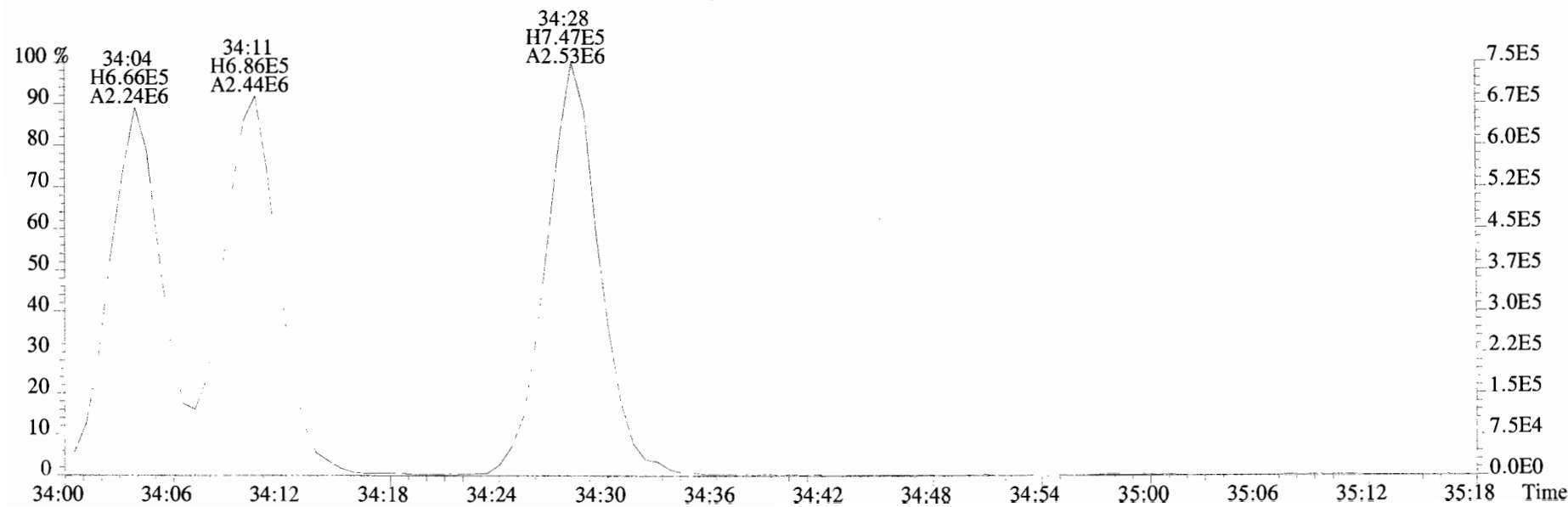
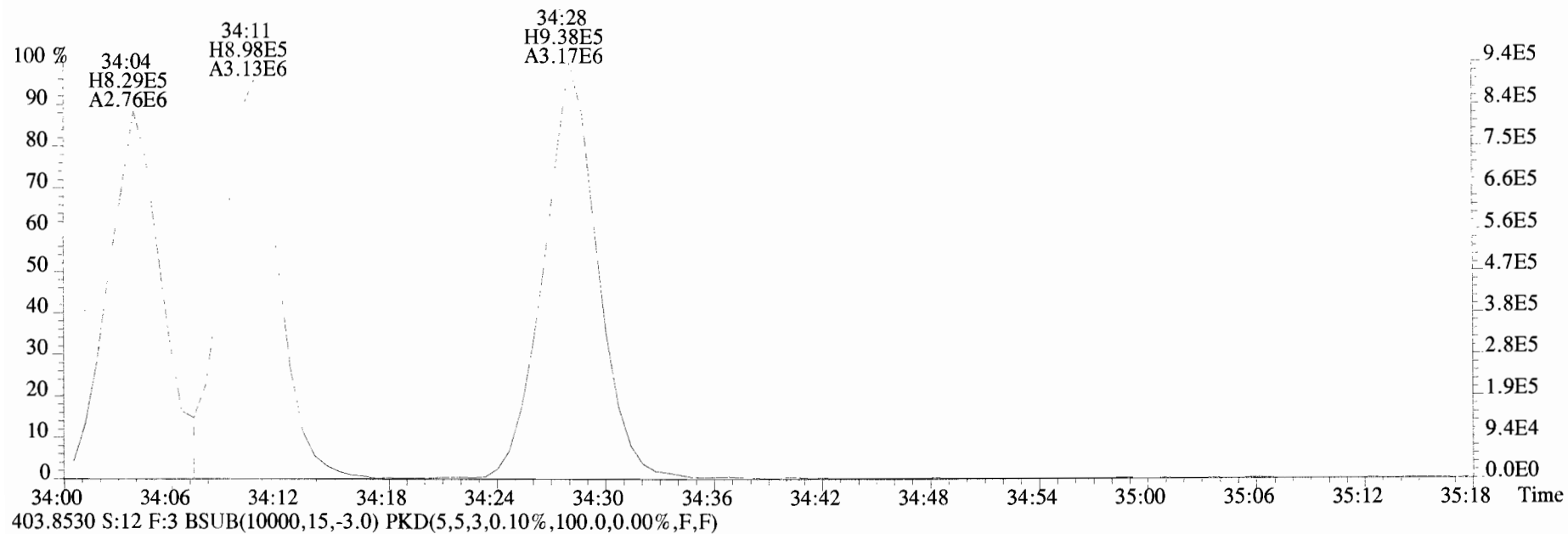
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



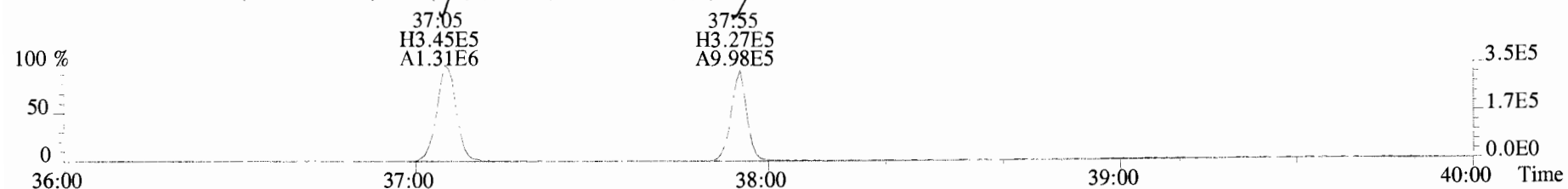
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
389.8156 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



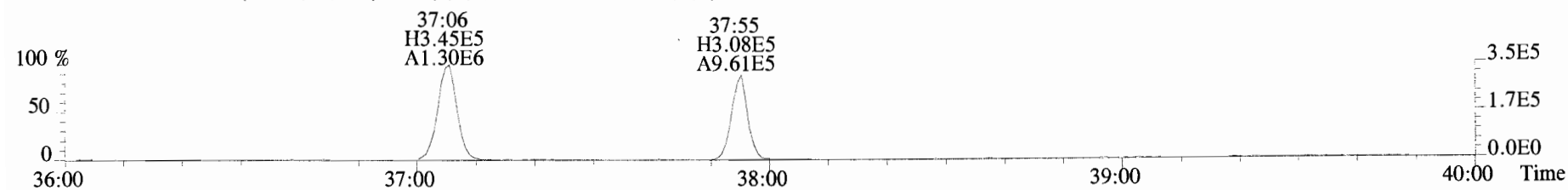
File: 191016D2 #1-385 Acq: 17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista Analytical Laboratory VG7 Text: 1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp: OCDD_DB5
401.8559 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



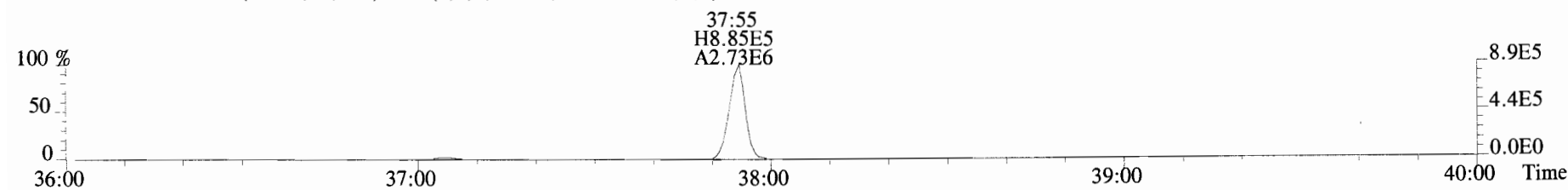
File:191016D2 #1-356 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista Analytical Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
423.7767 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



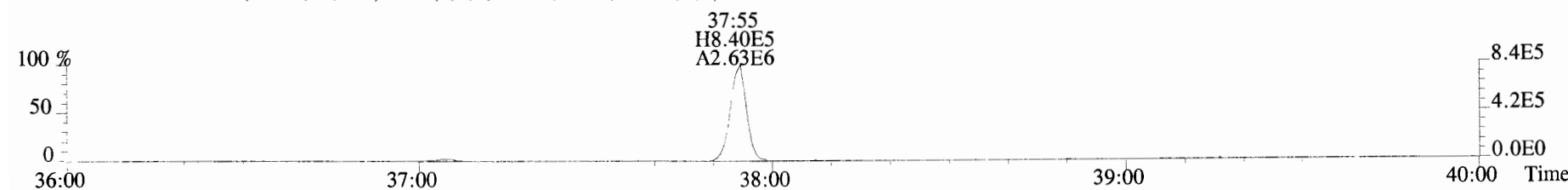
425.7737 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



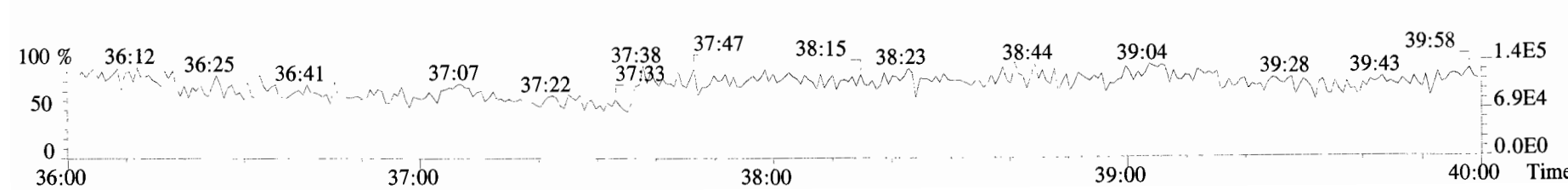
435.8169 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



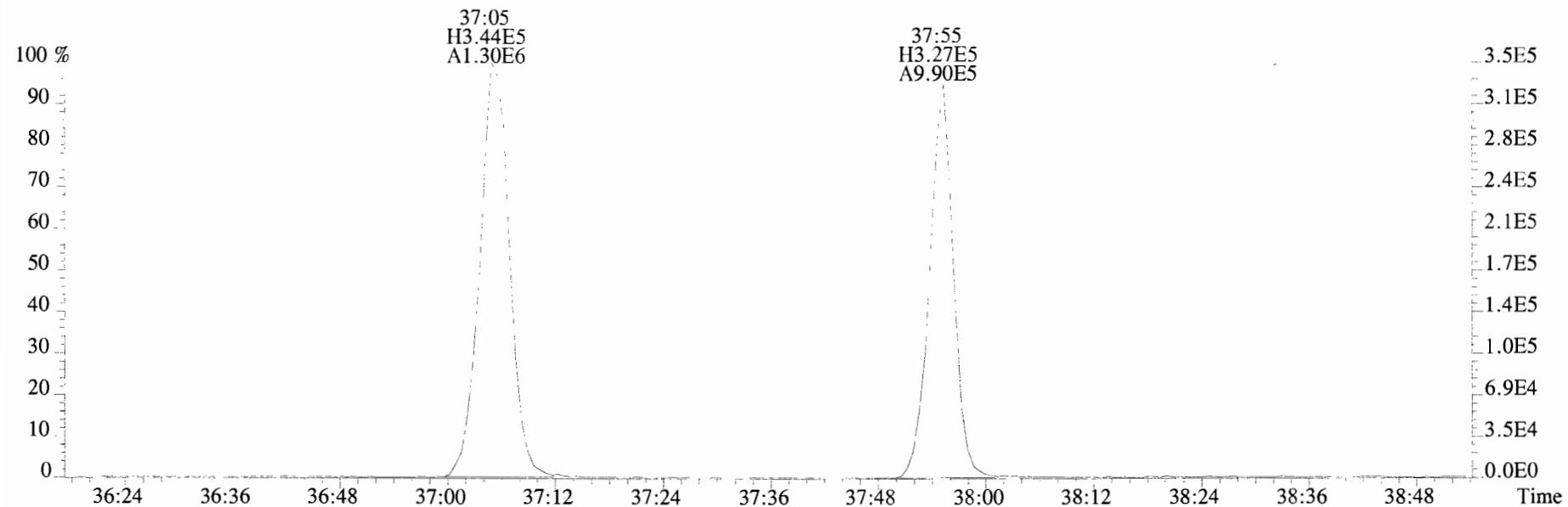
437.8140 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



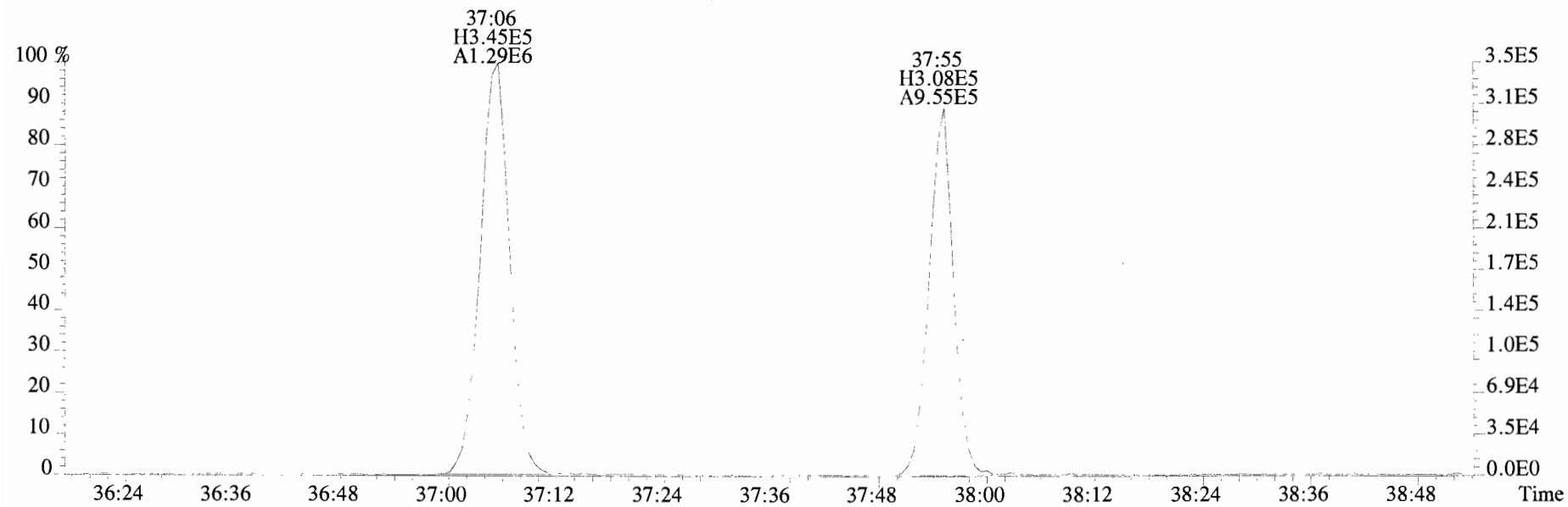
454.9728 S:12 F:4



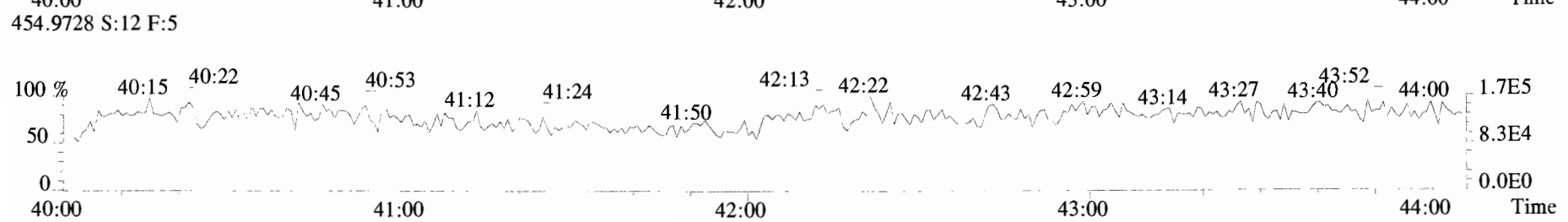
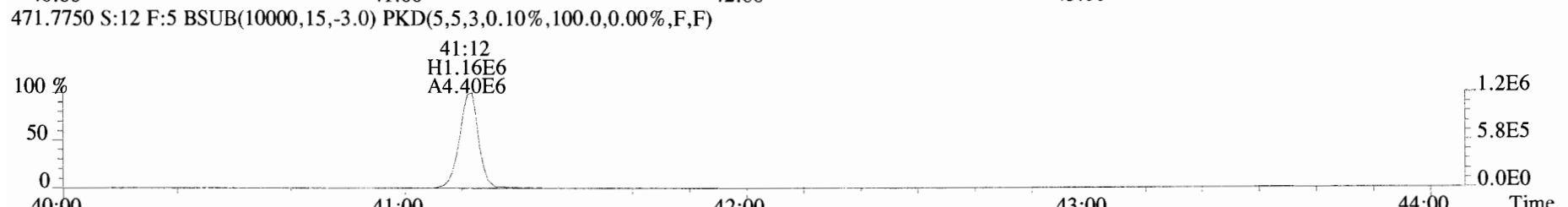
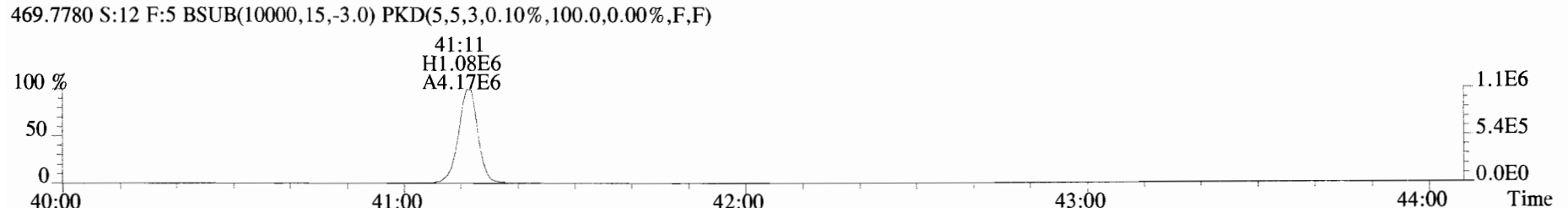
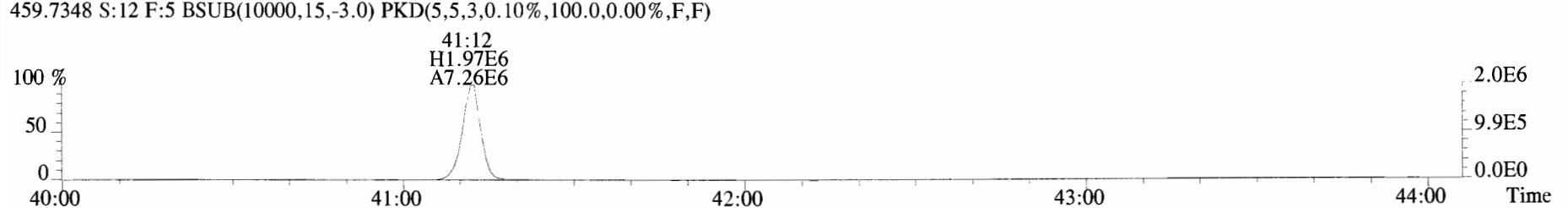
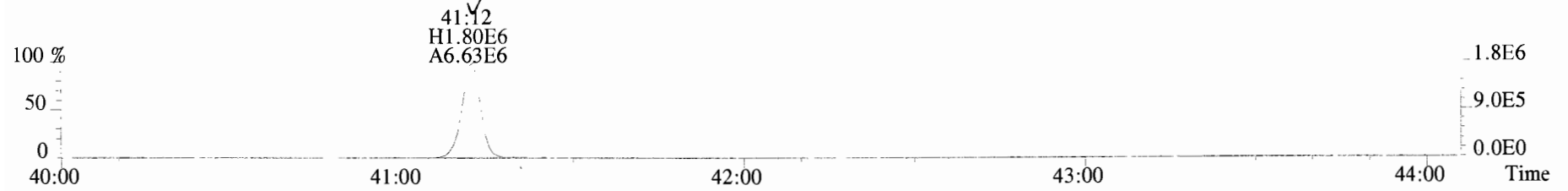
File:191016D2 #1-356 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
423.7767 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



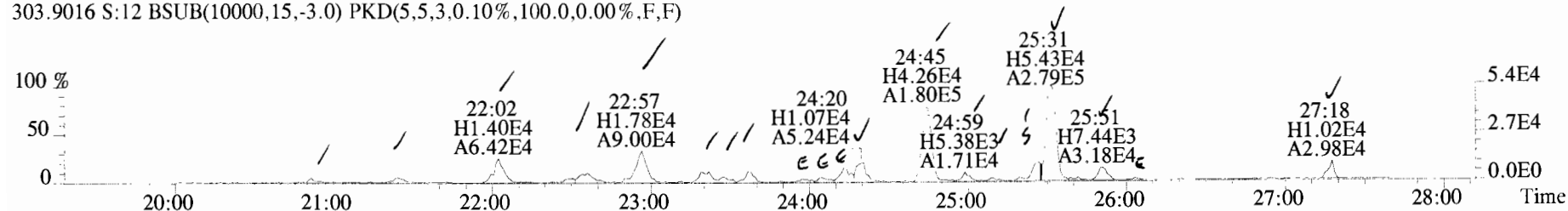
425.7737 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



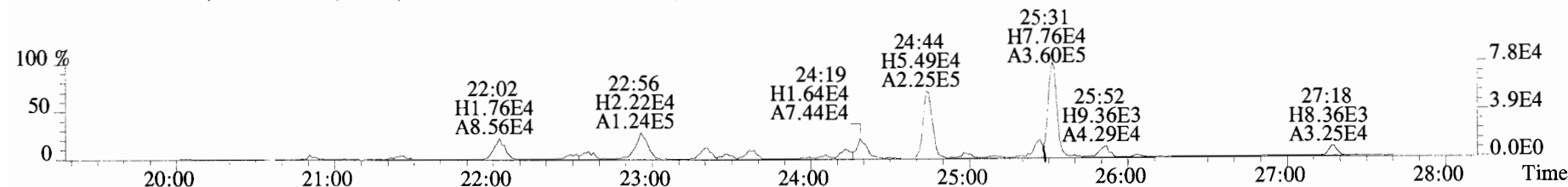
File:191016D2 #1-433 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
457.7377 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



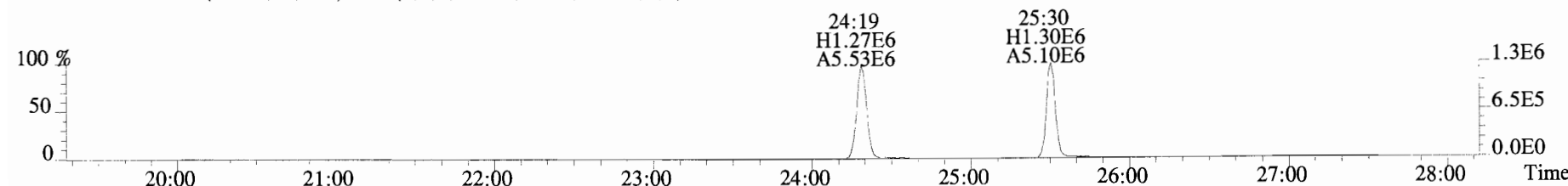
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



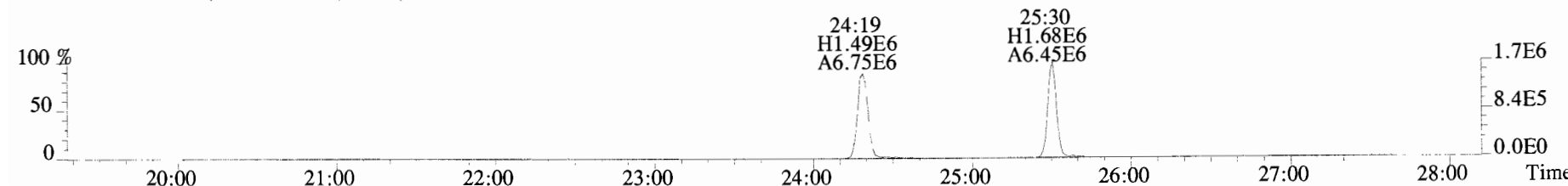
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



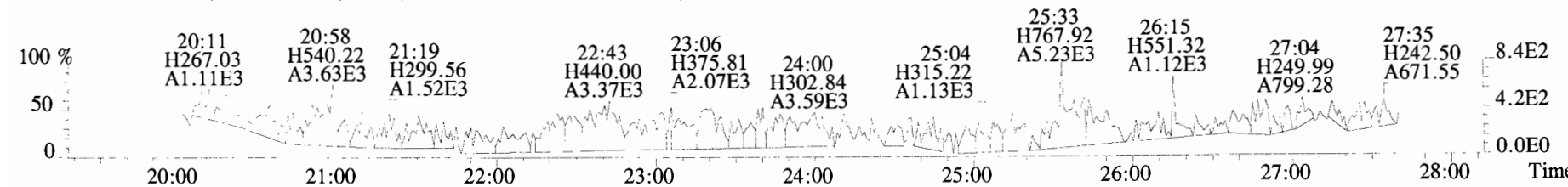
315.9419 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



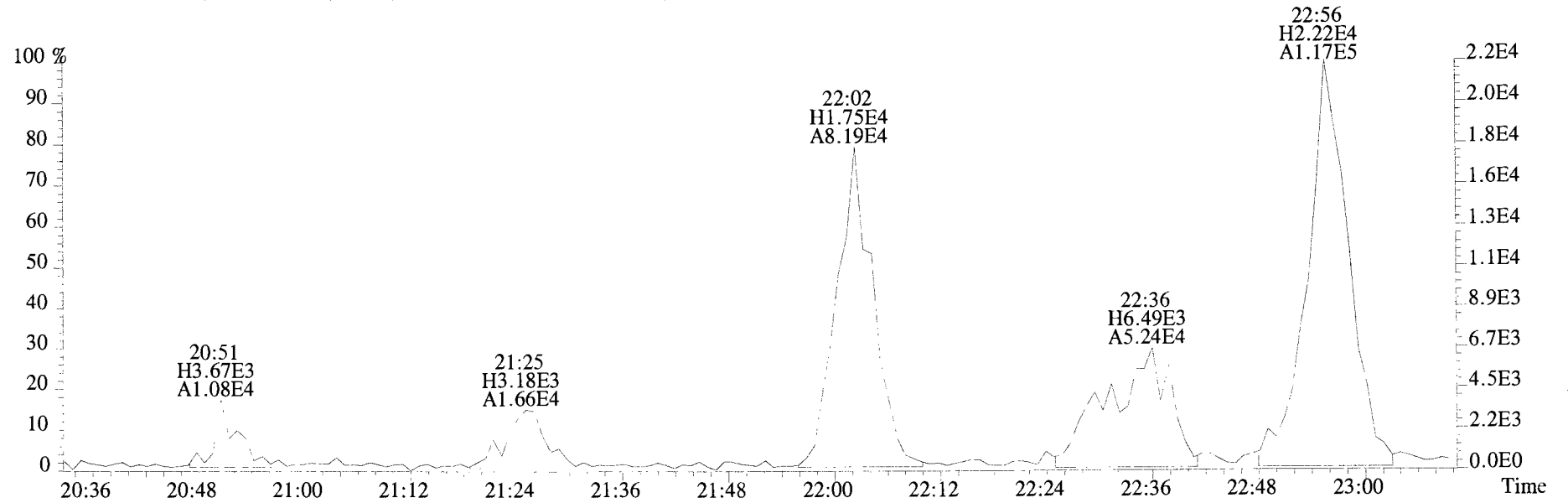
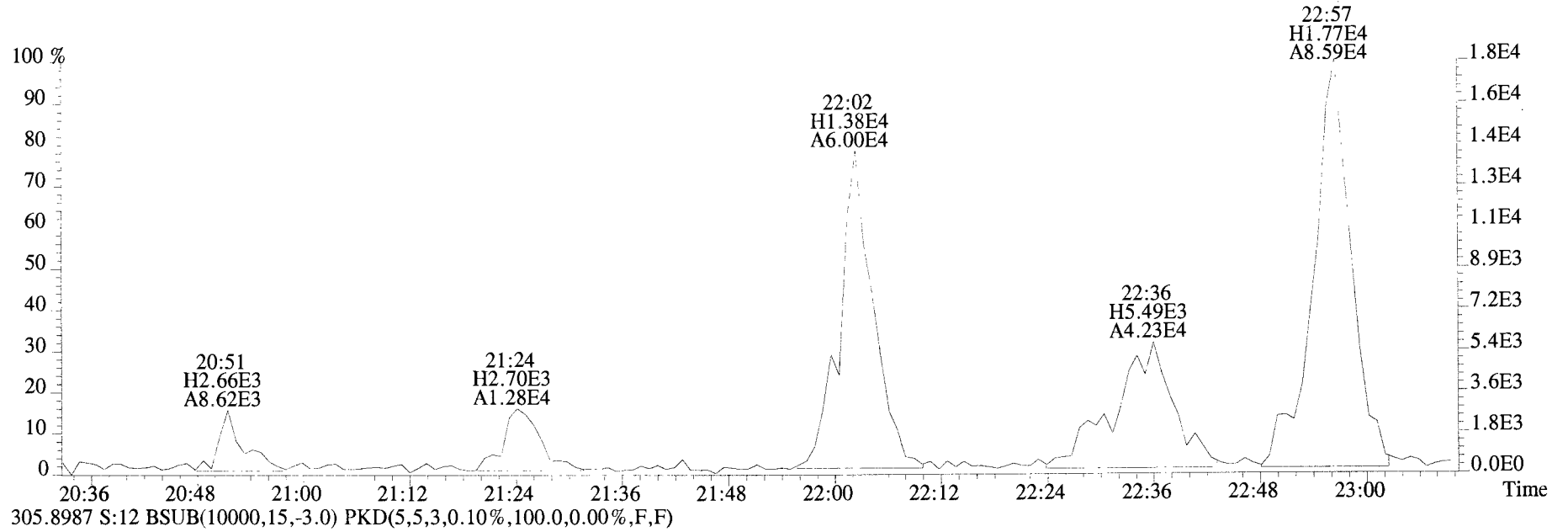
317.9389 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



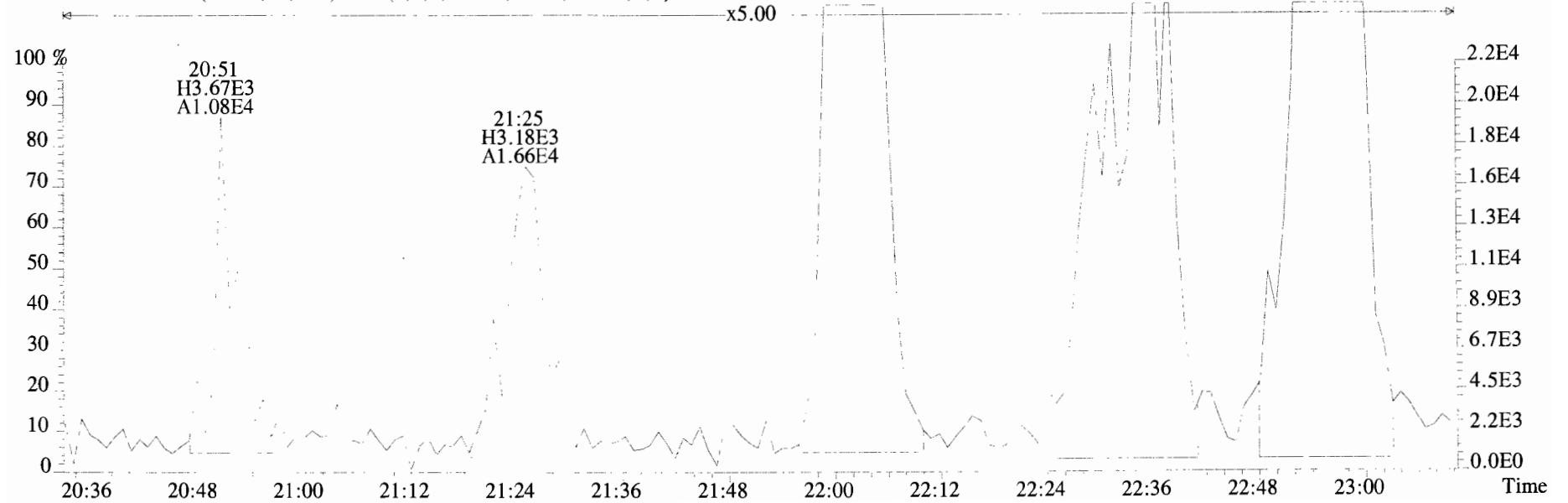
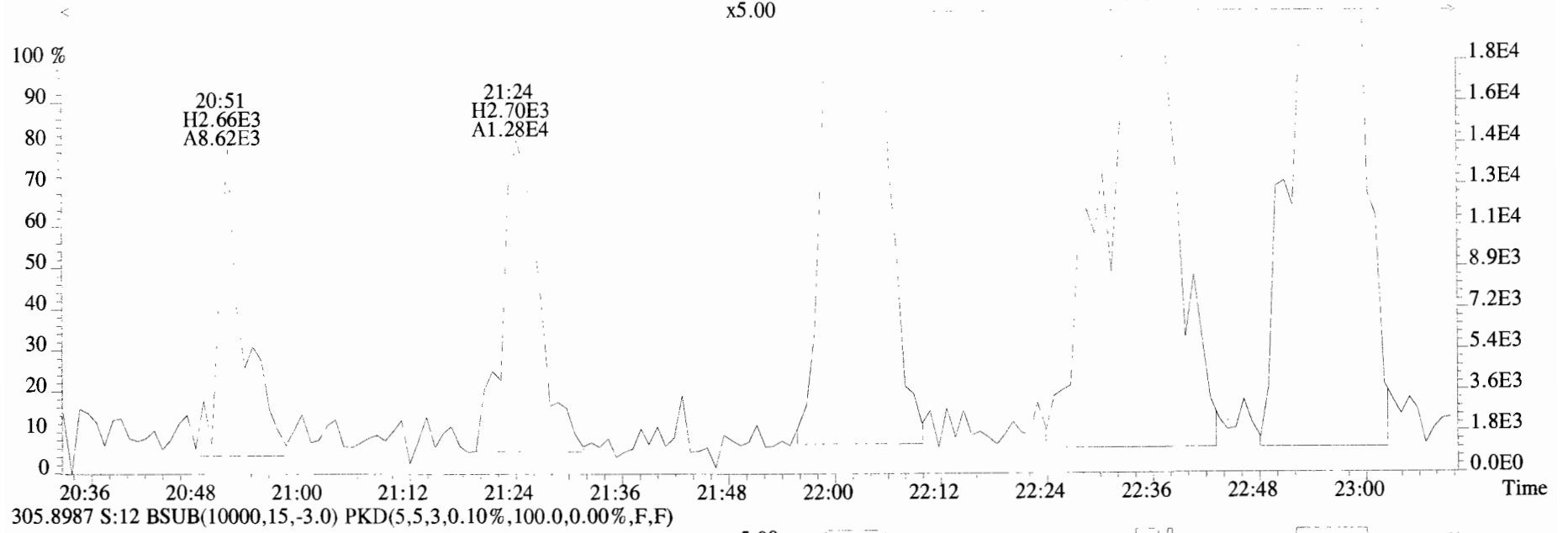
375.8364 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



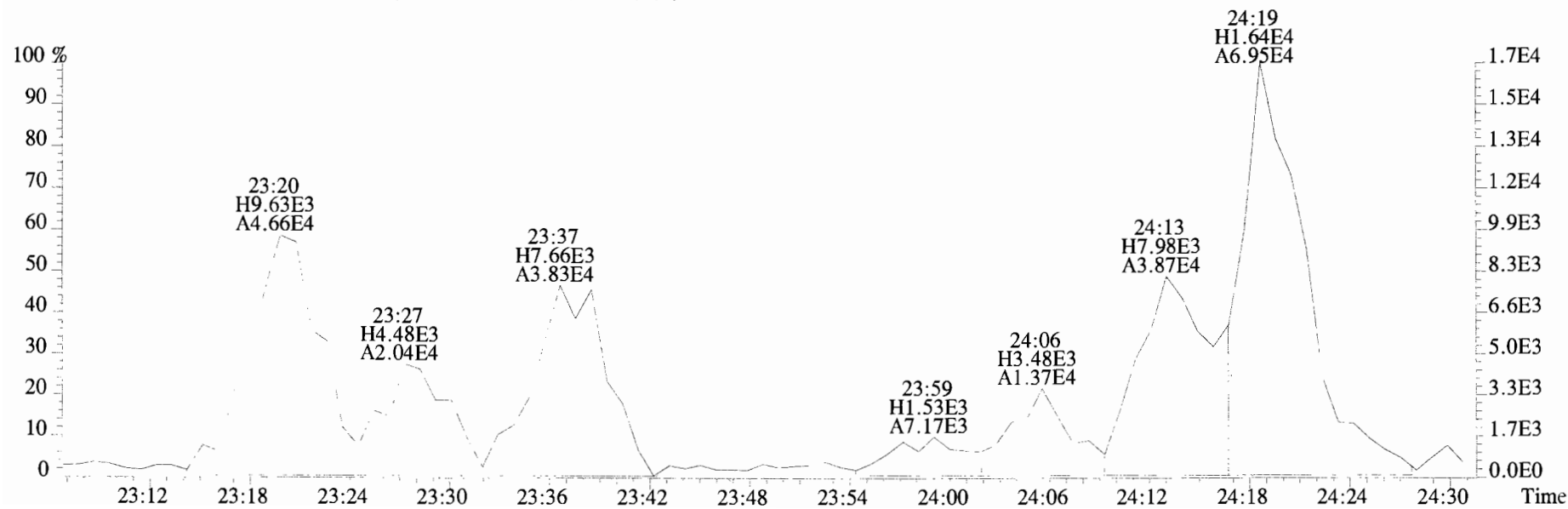
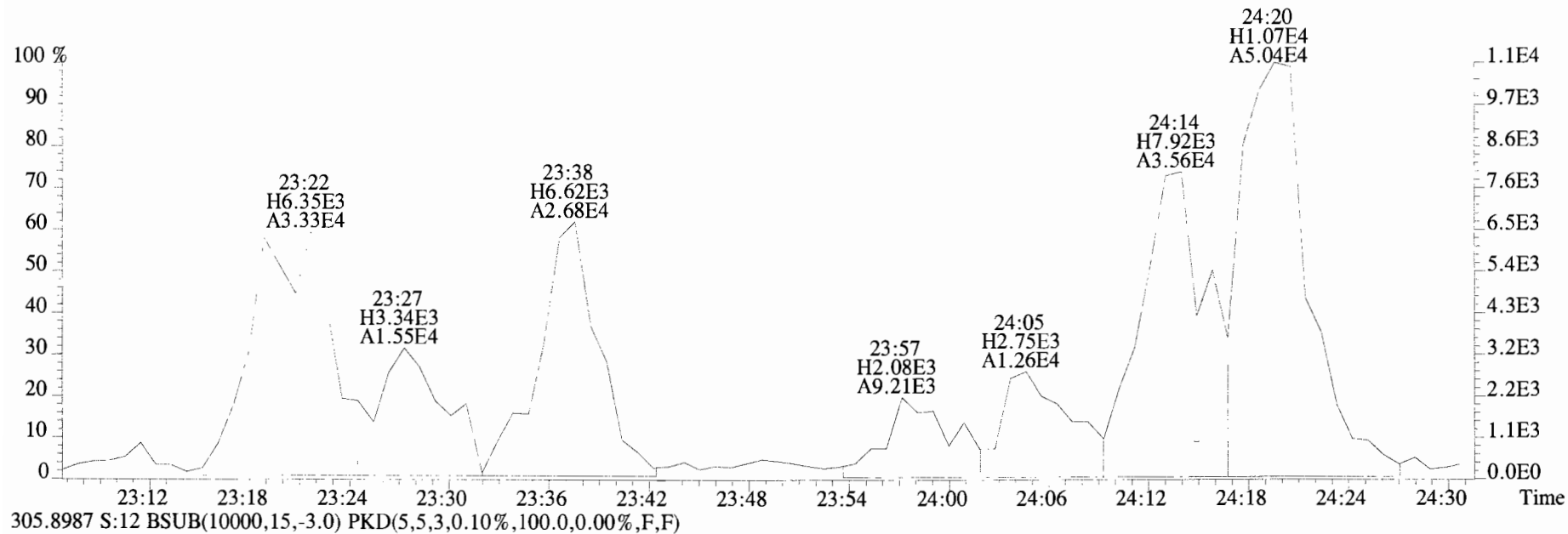
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



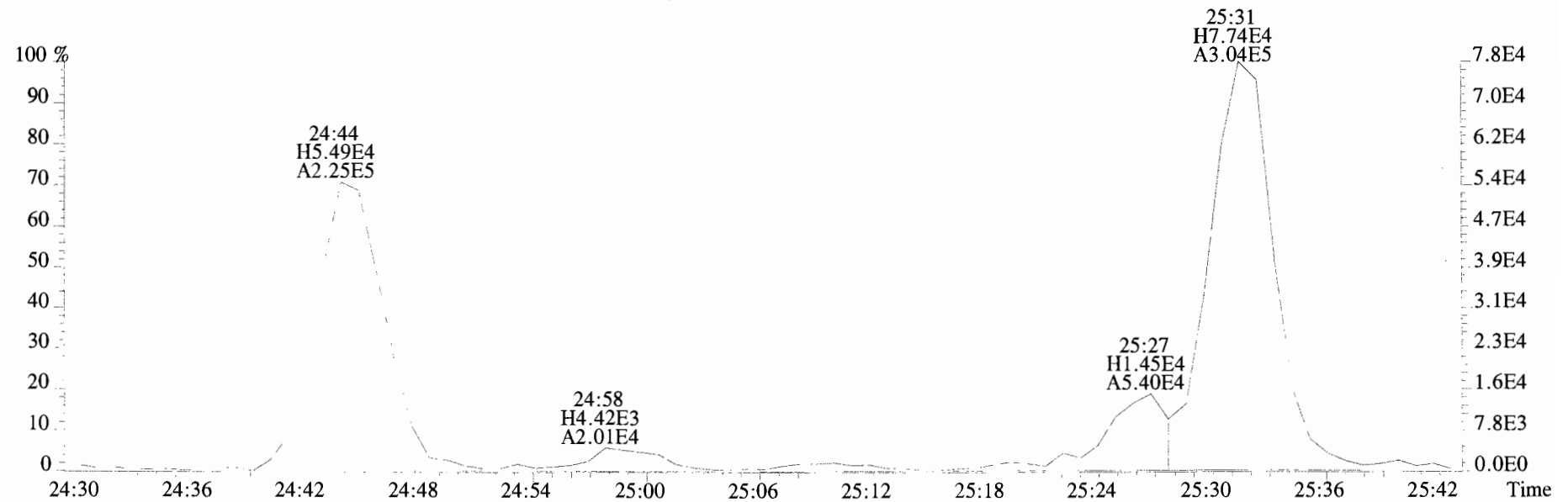
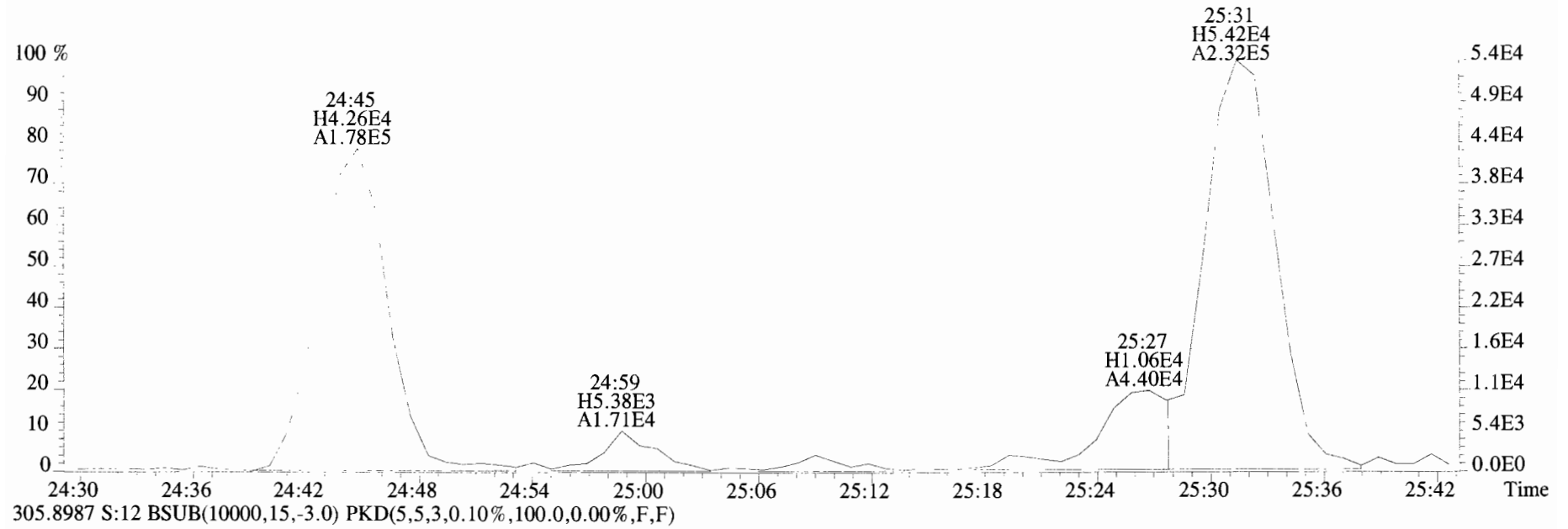
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



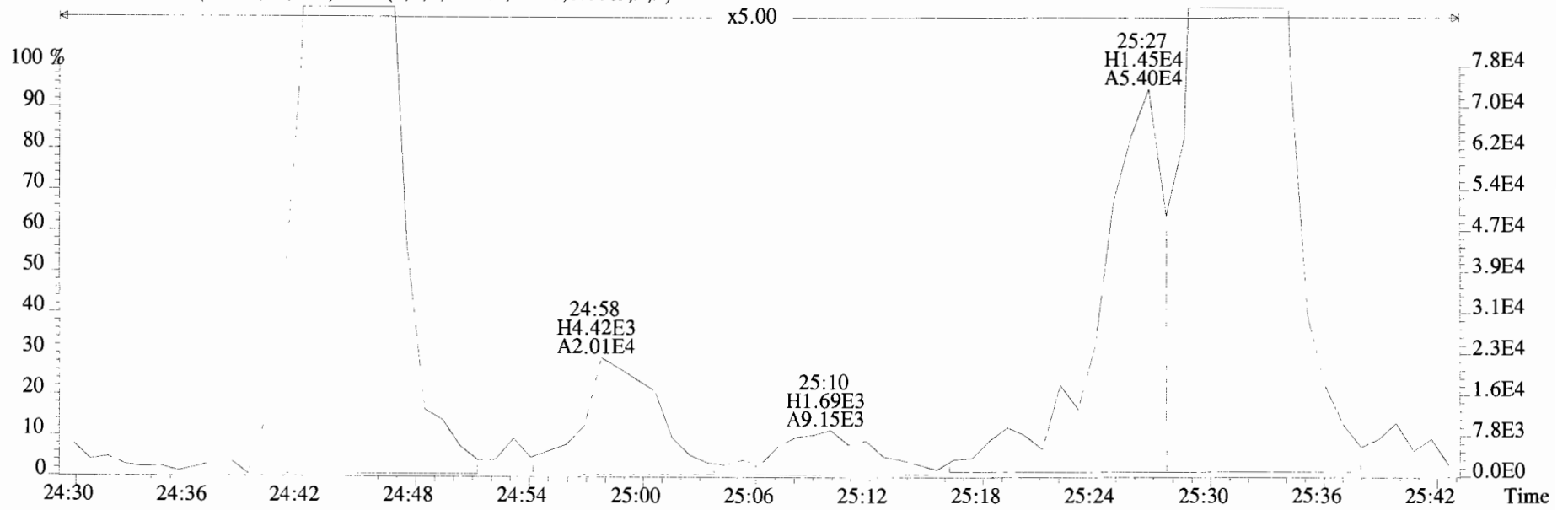
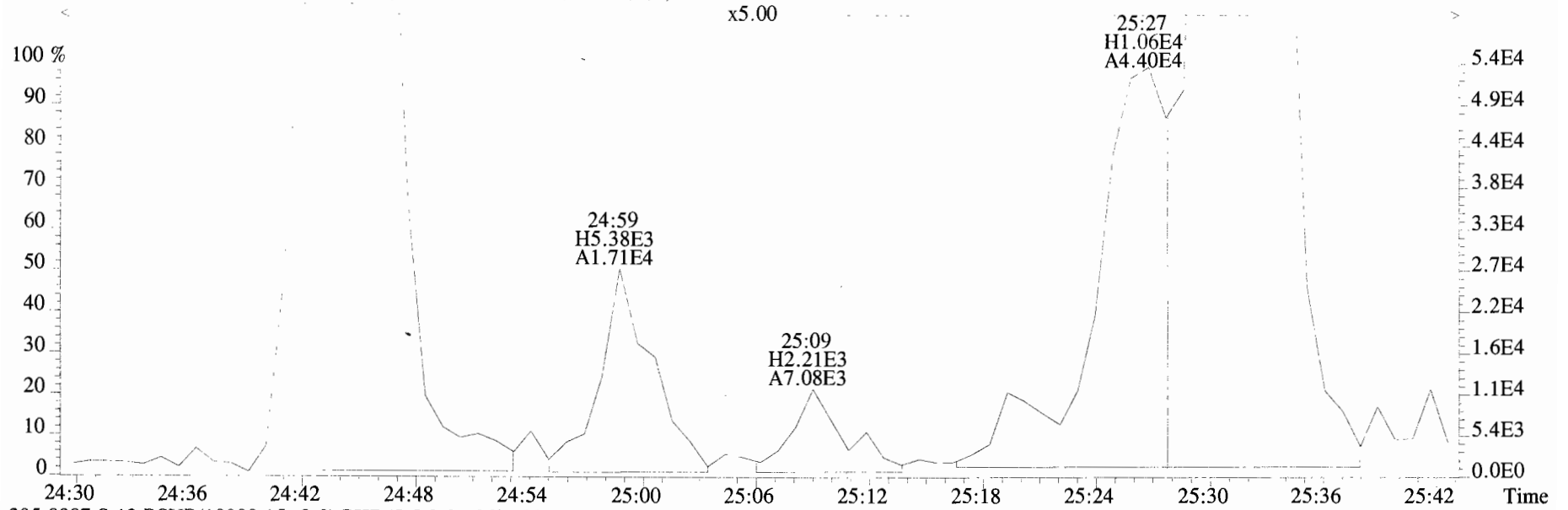
File: 191016D2 #1-493 Acq: 17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text: Vista Analytical Laboratory_VG7 Text: 1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp: OCDD_DB5
 303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



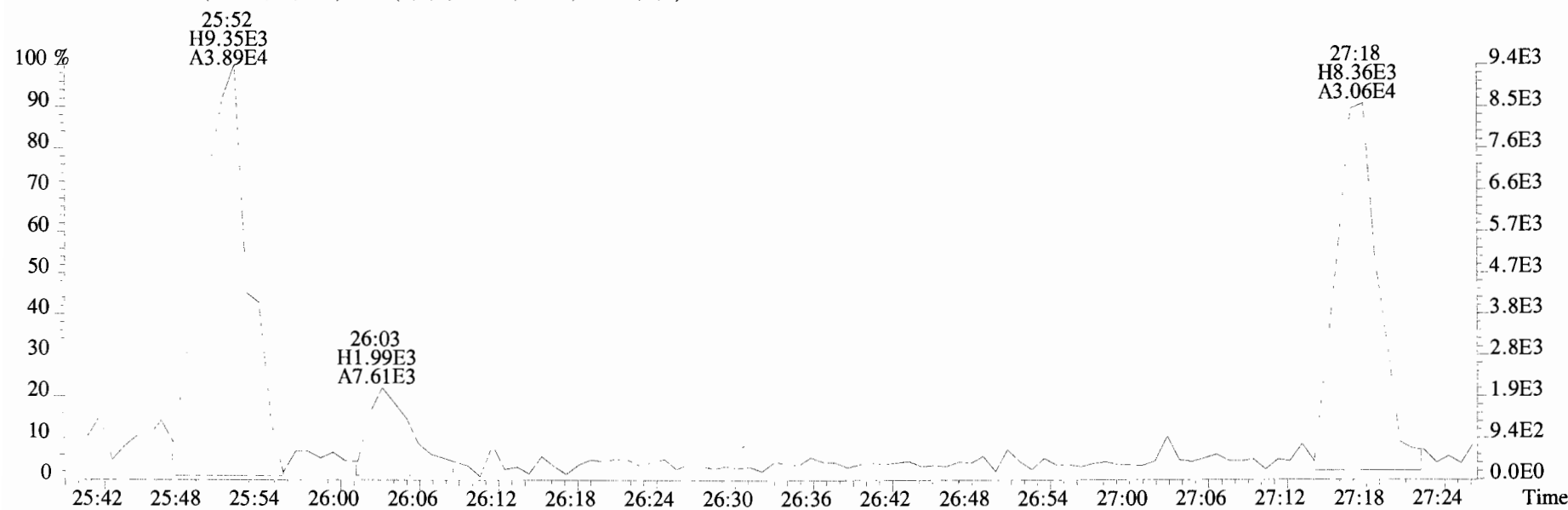
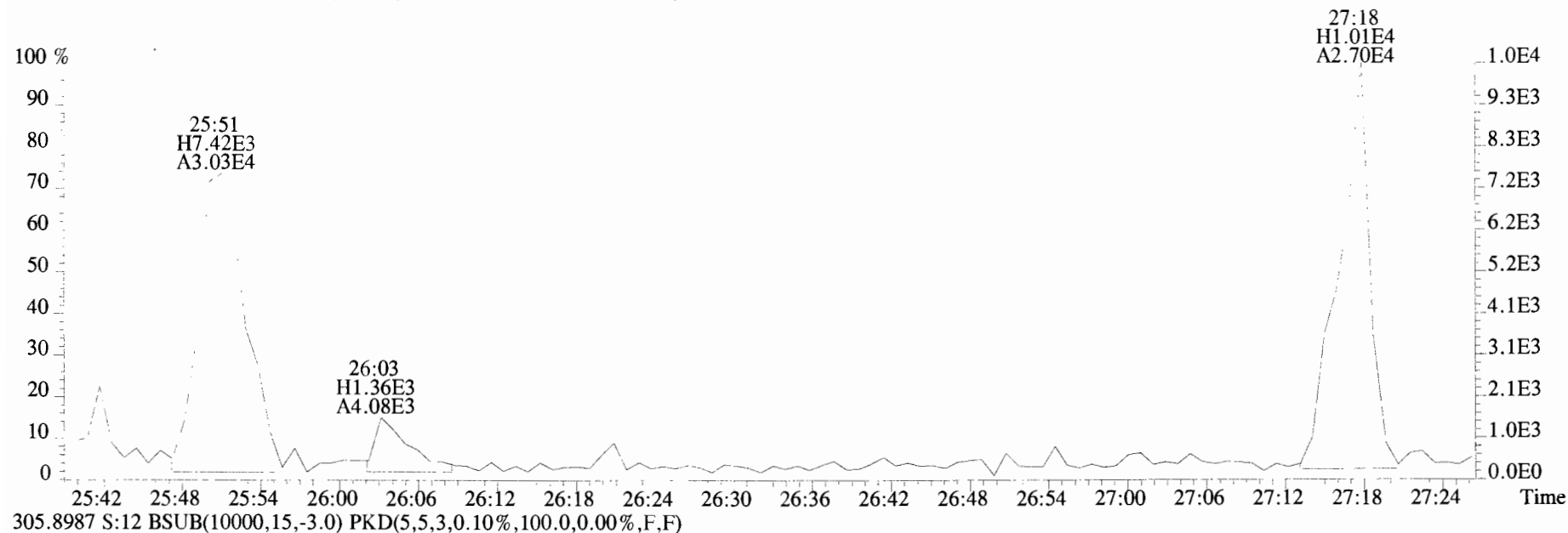
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



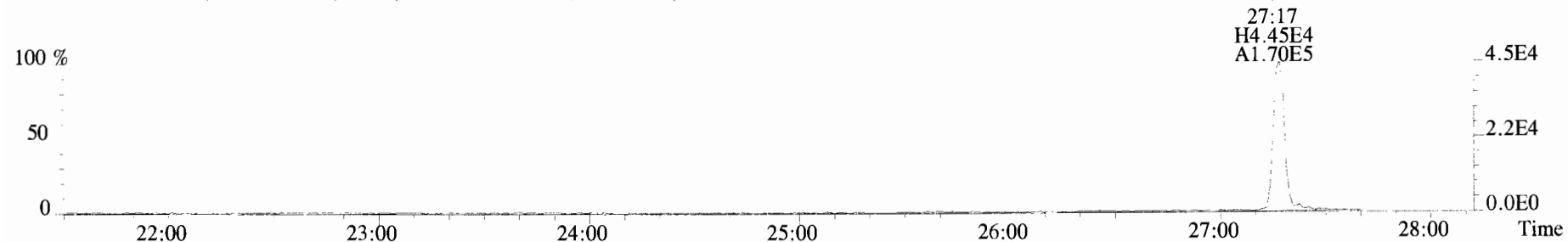
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Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



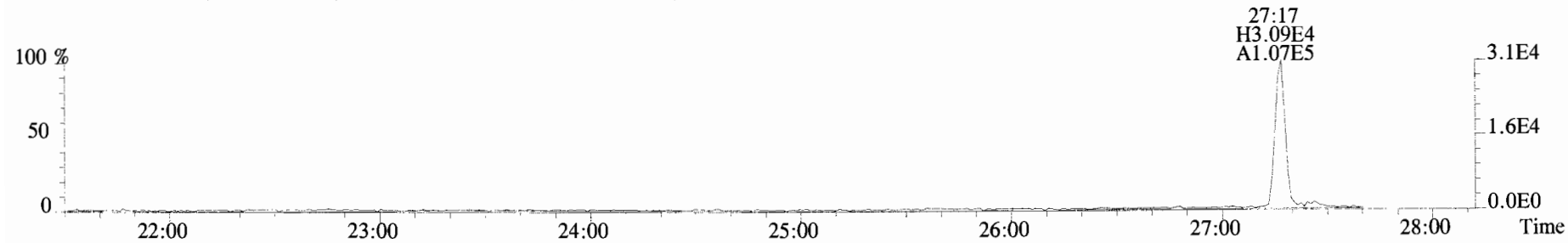
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



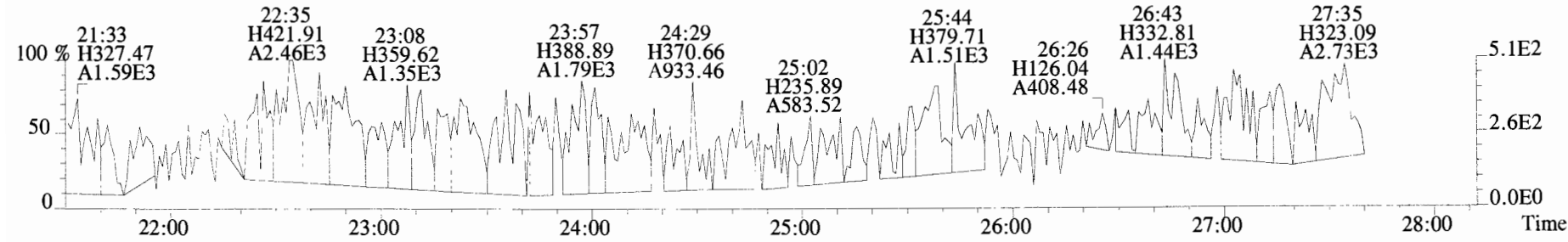
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 339.8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



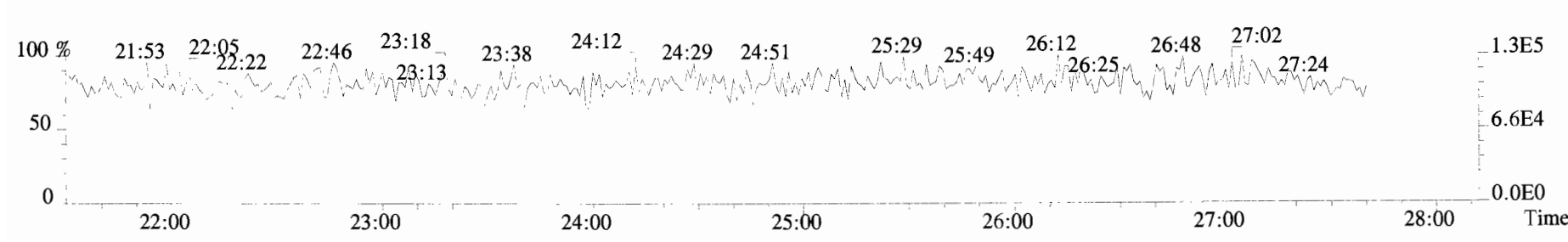
341.8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



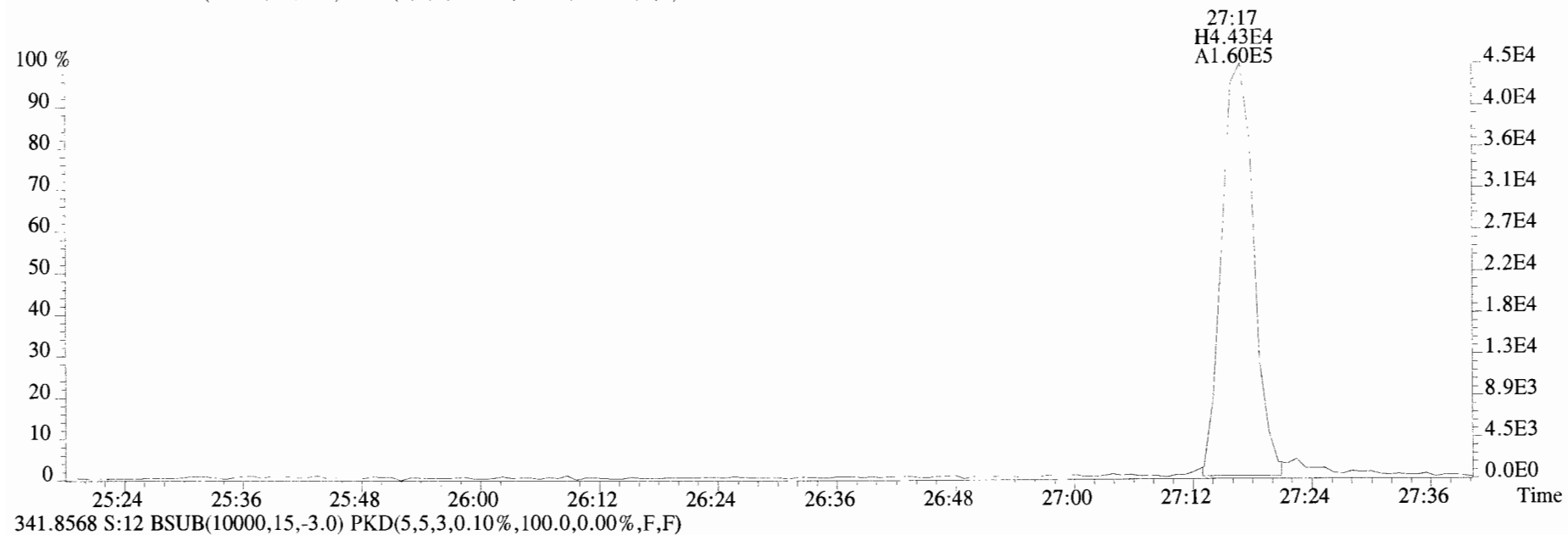
409.7974 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



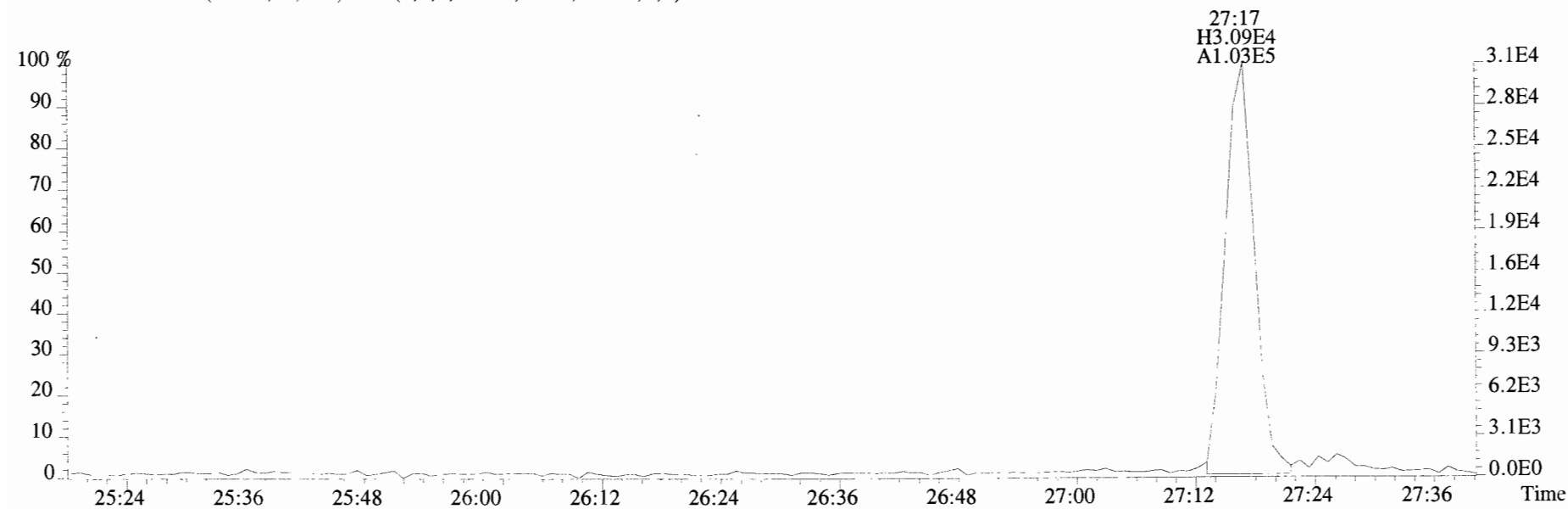
316.9824 S:12



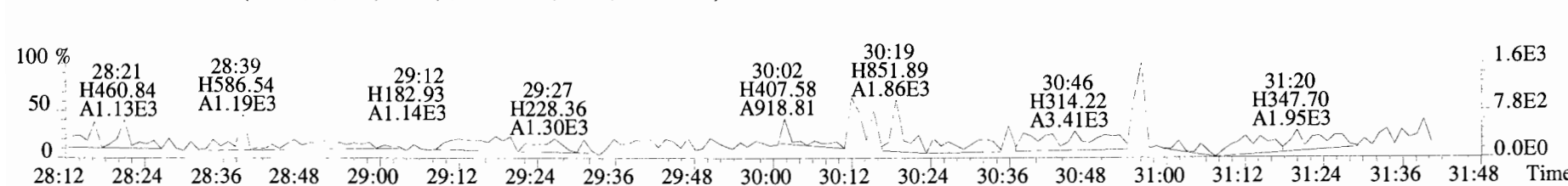
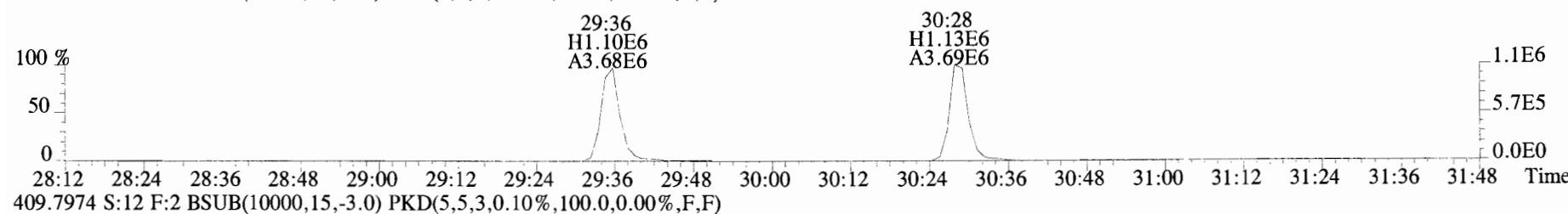
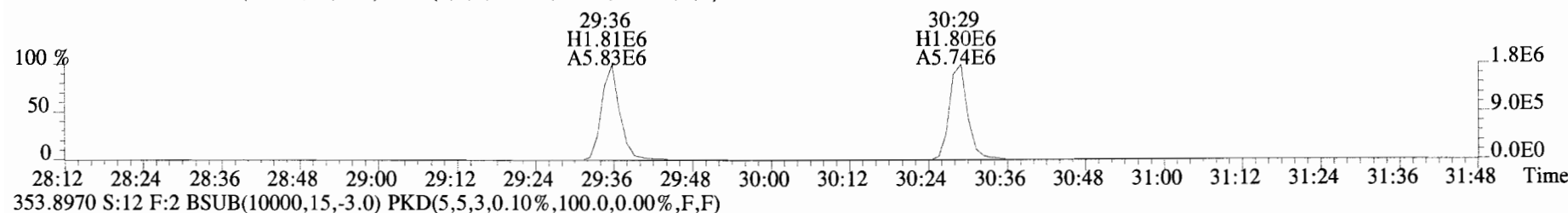
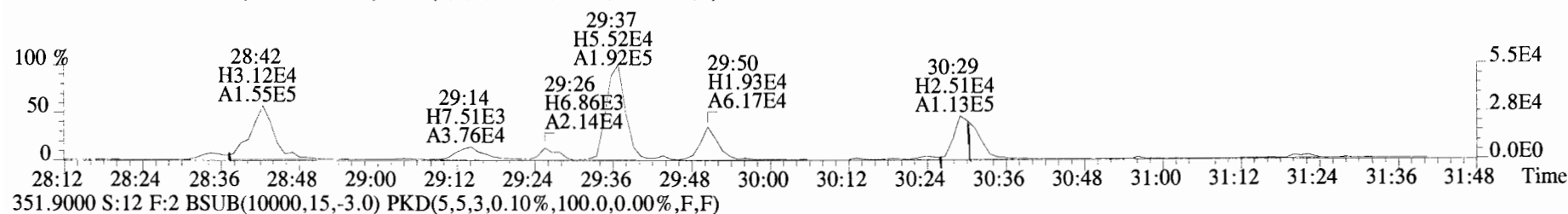
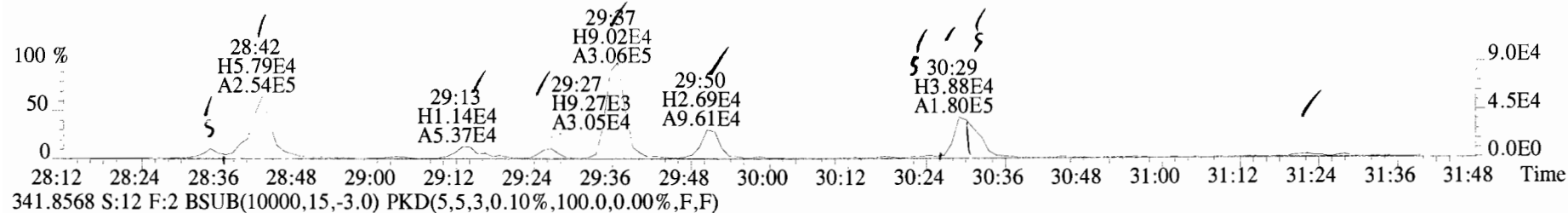
File:191016D2 #1-493 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
339.8597 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



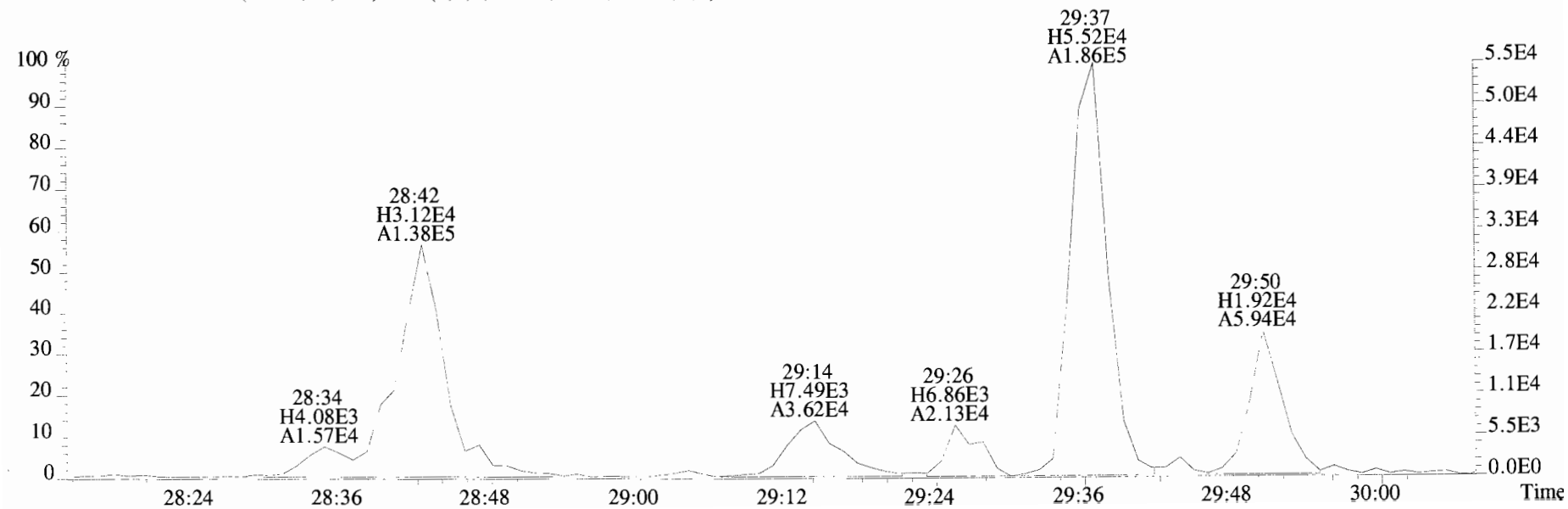
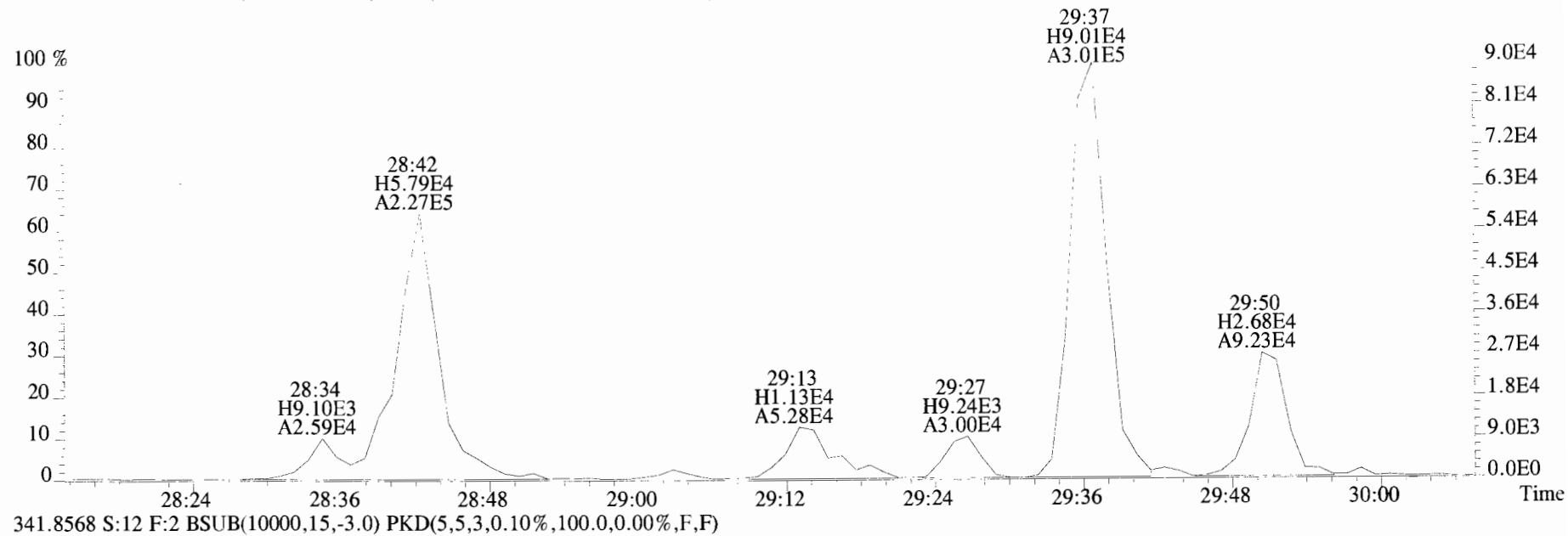
341.8568 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



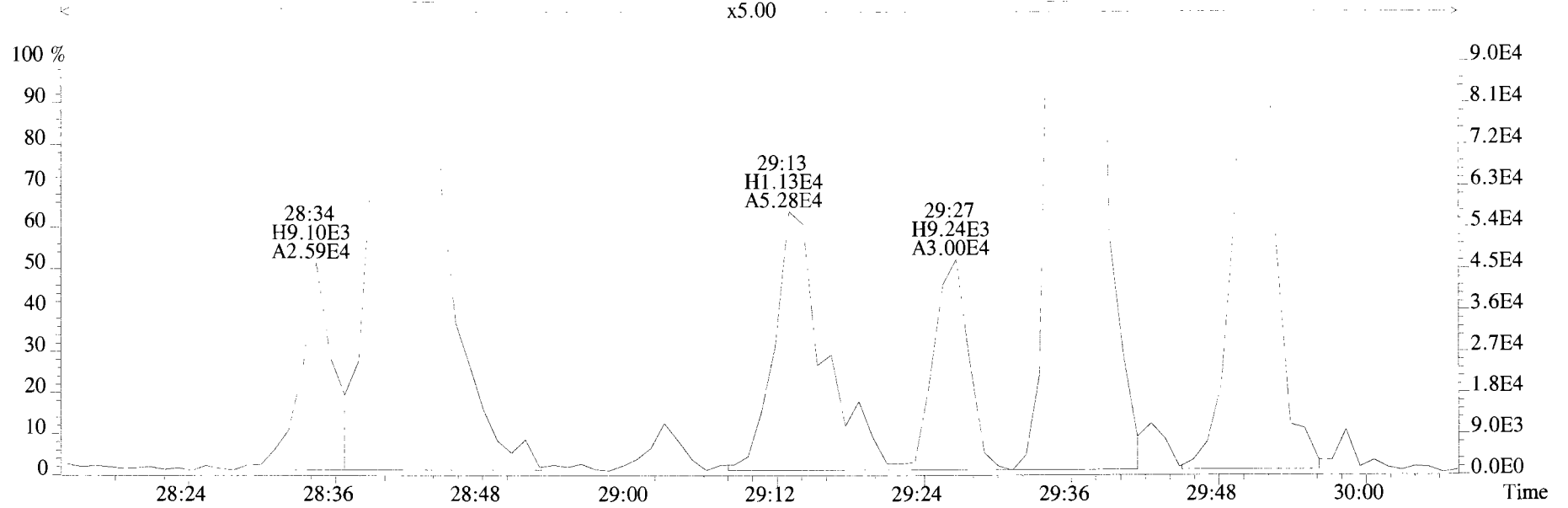
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PD1-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



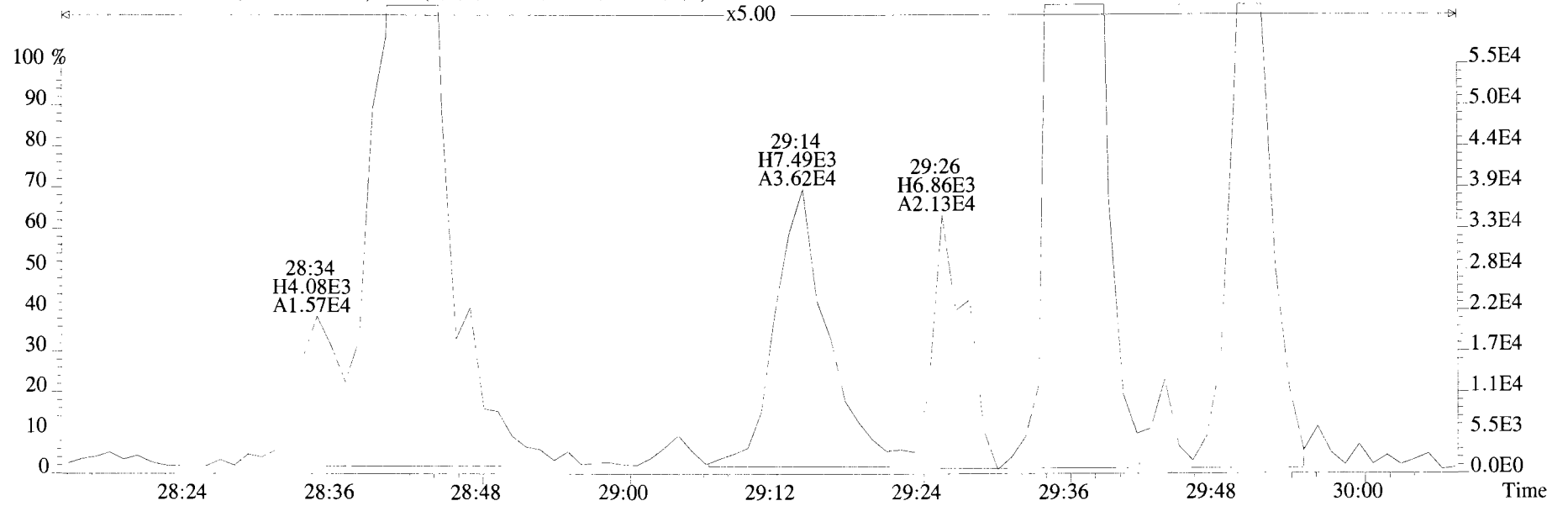
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



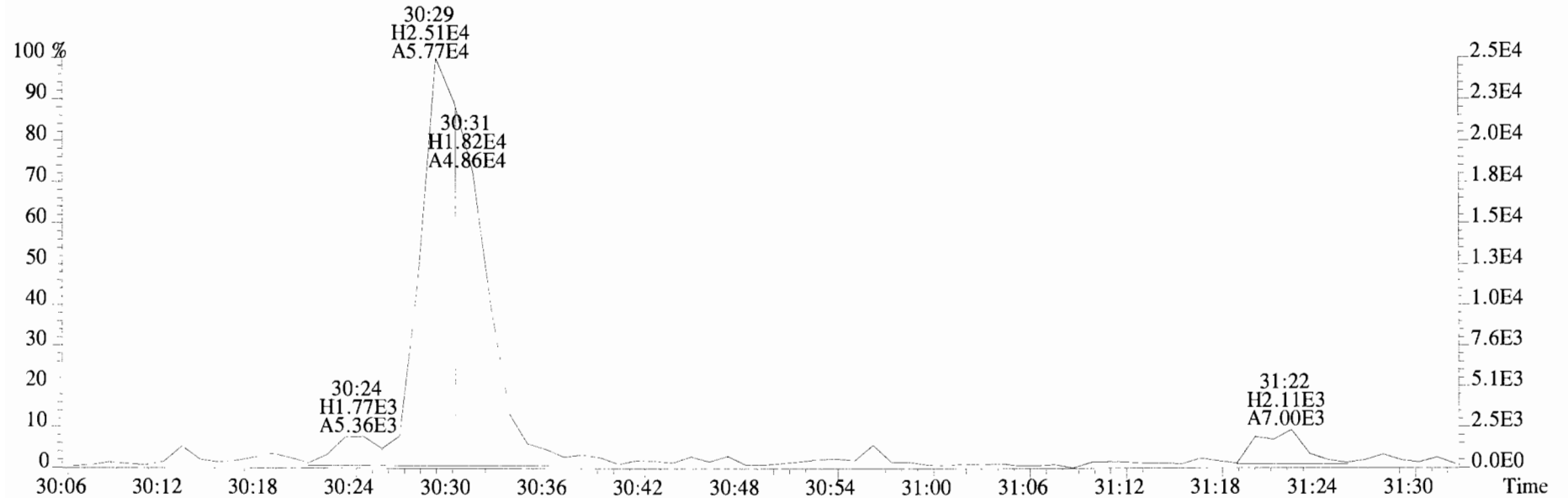
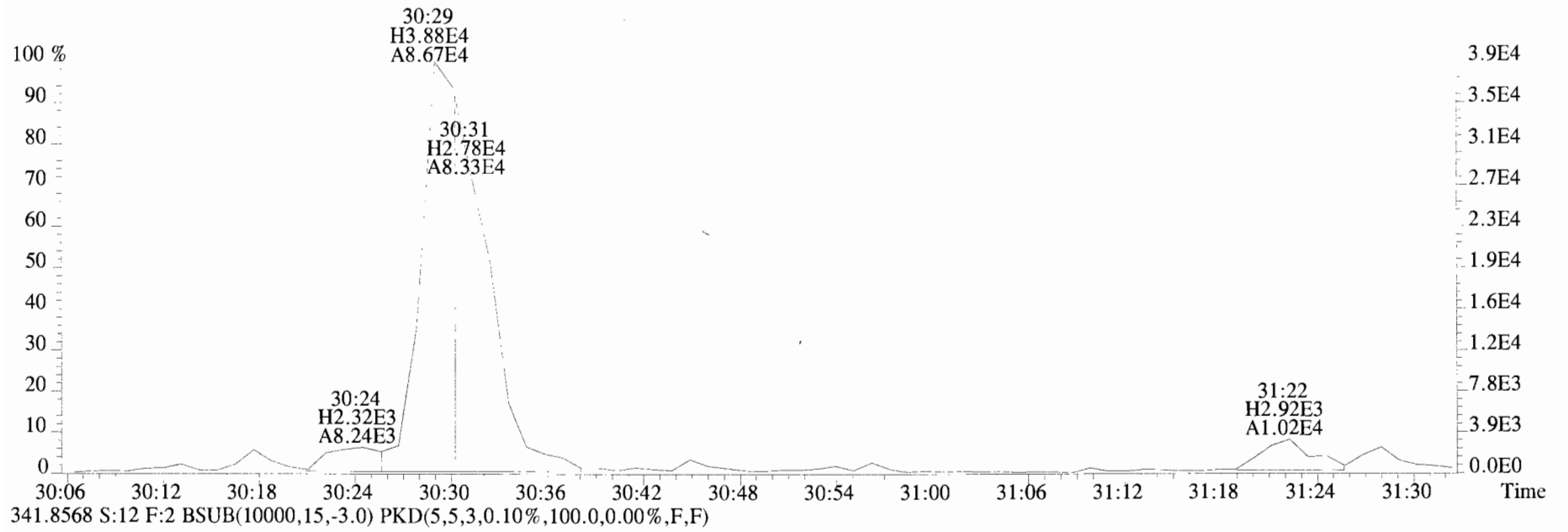
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



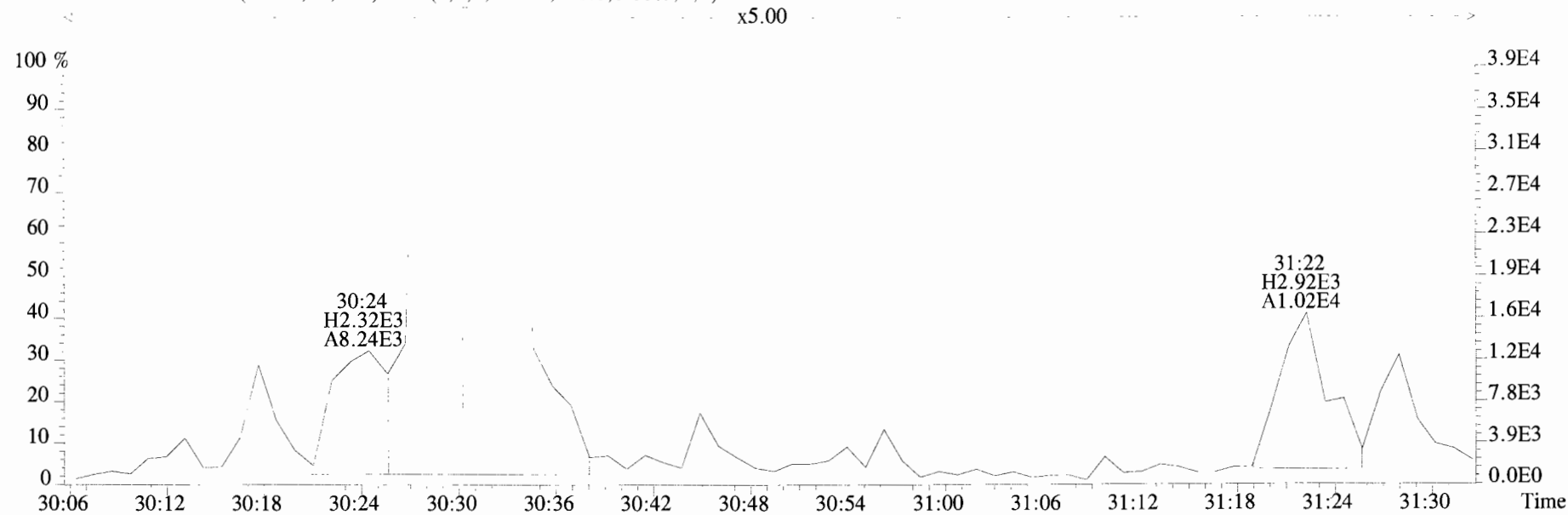
341.8568 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



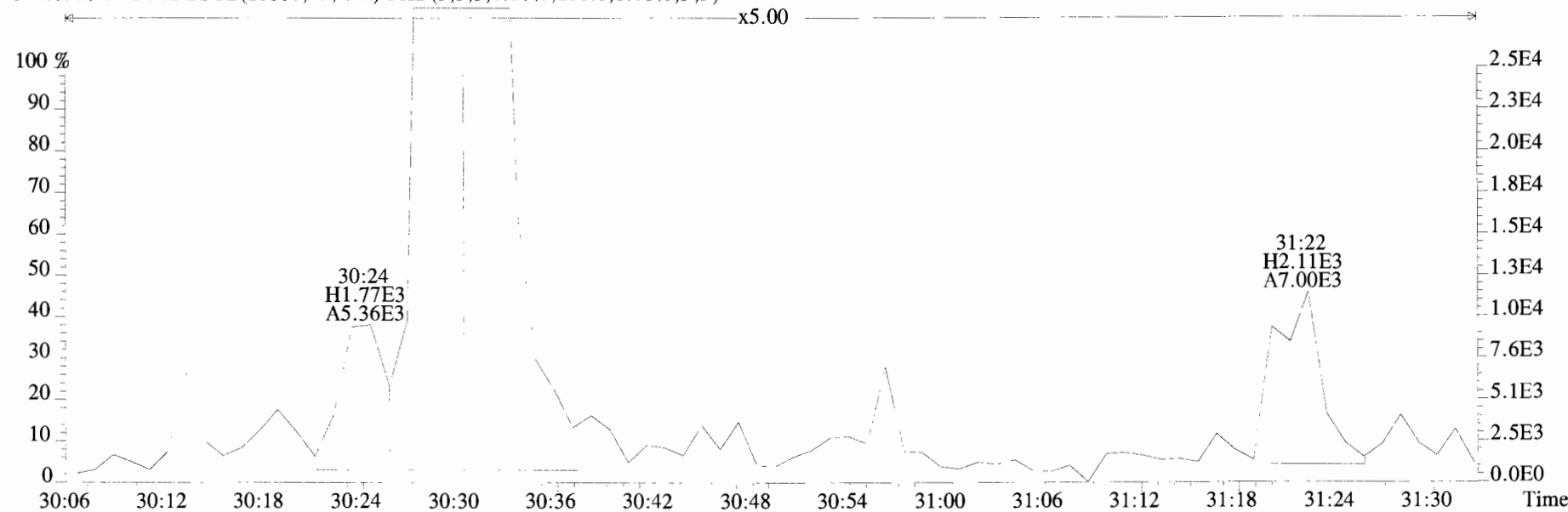
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



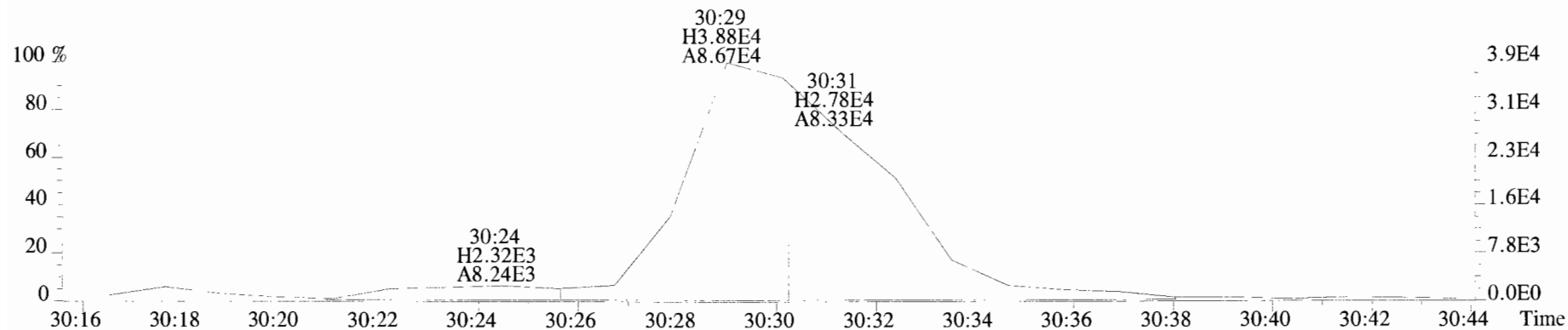
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



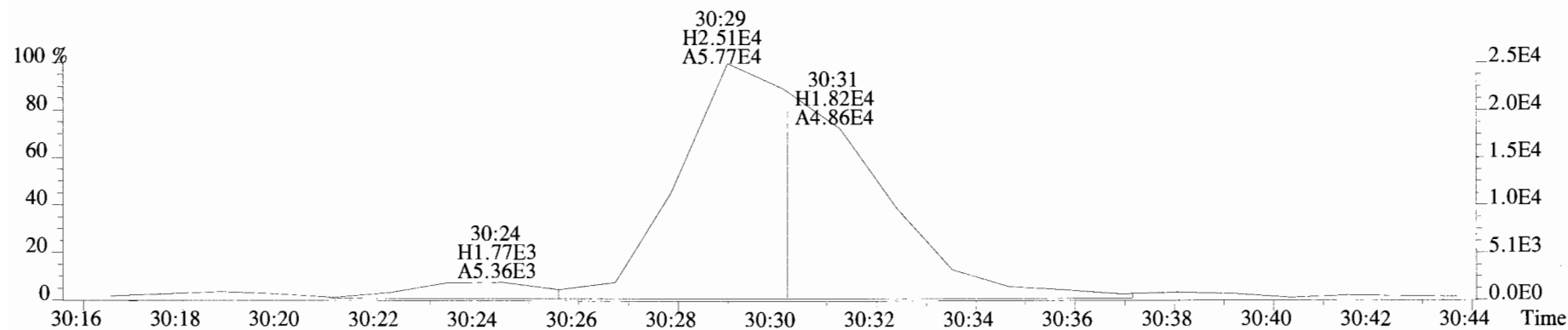
341.8568 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



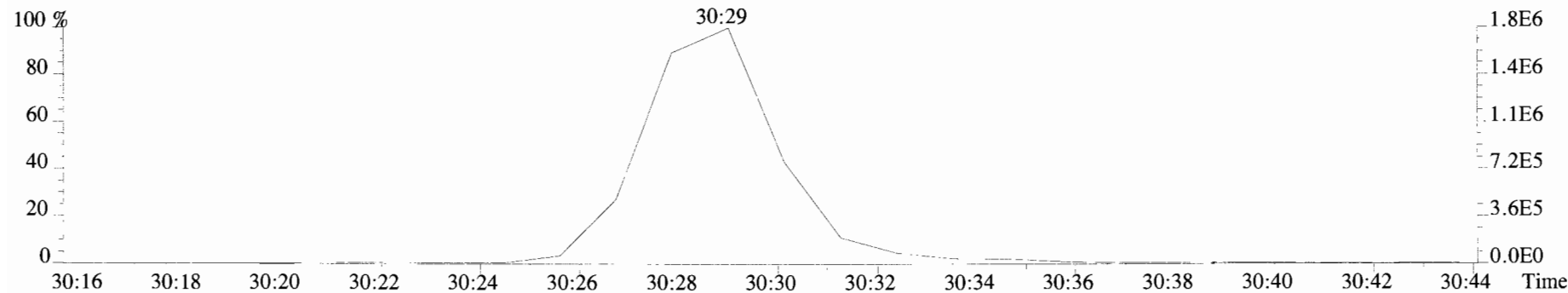
File:191016D2 #1-211 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 339.8597 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



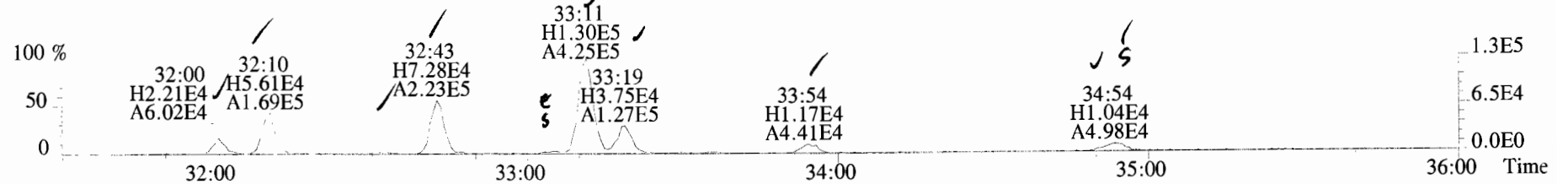
341.8568 S:12 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



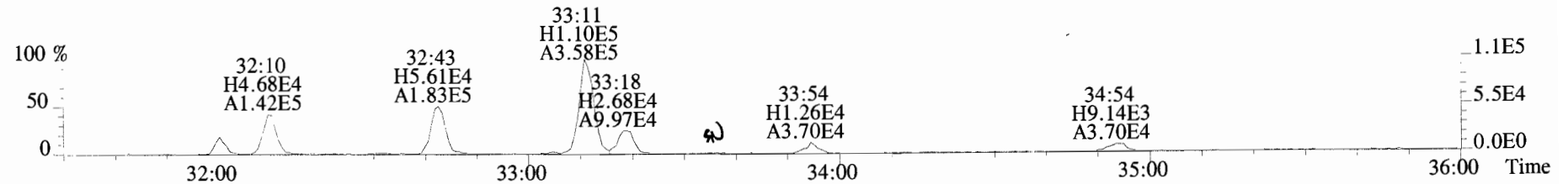
351.9000 S:12 F:2



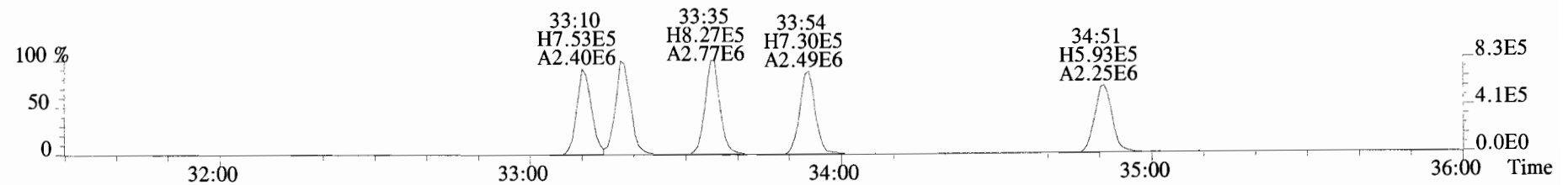
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



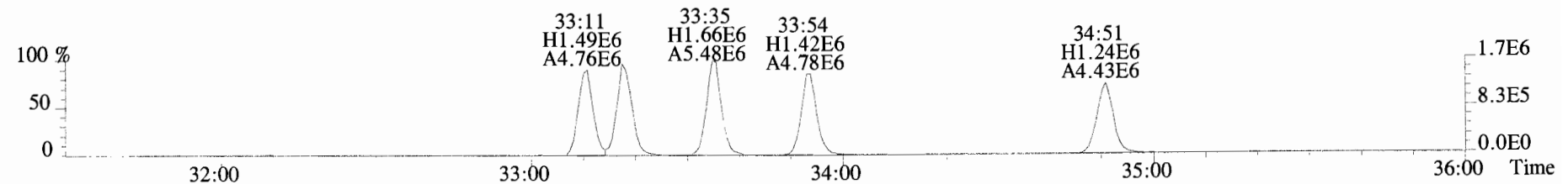
375.8178 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



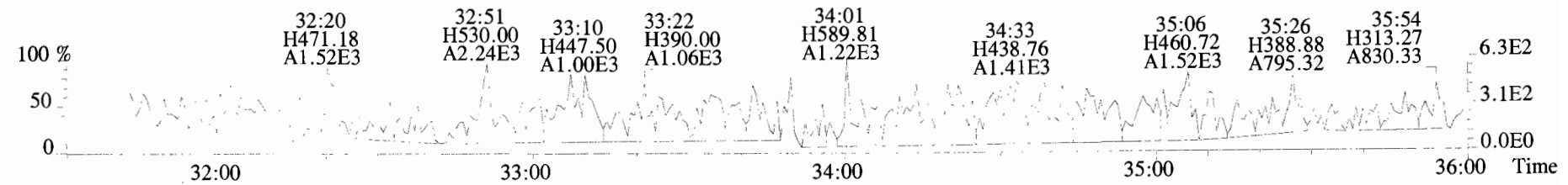
383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



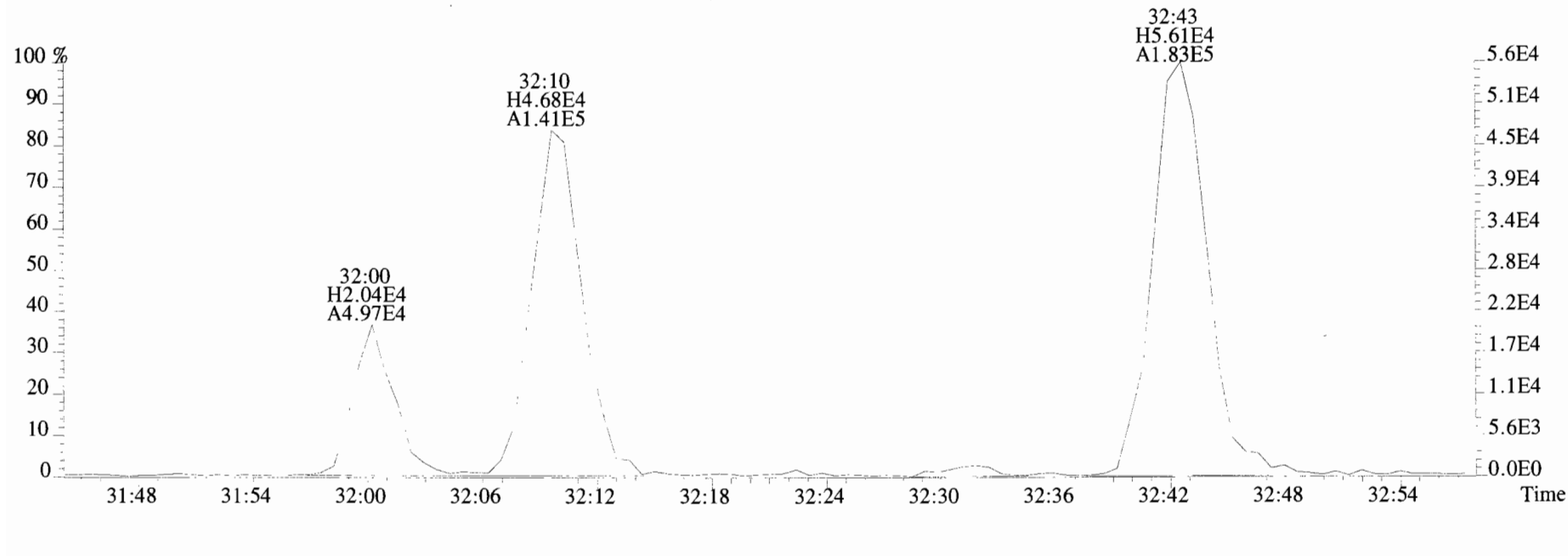
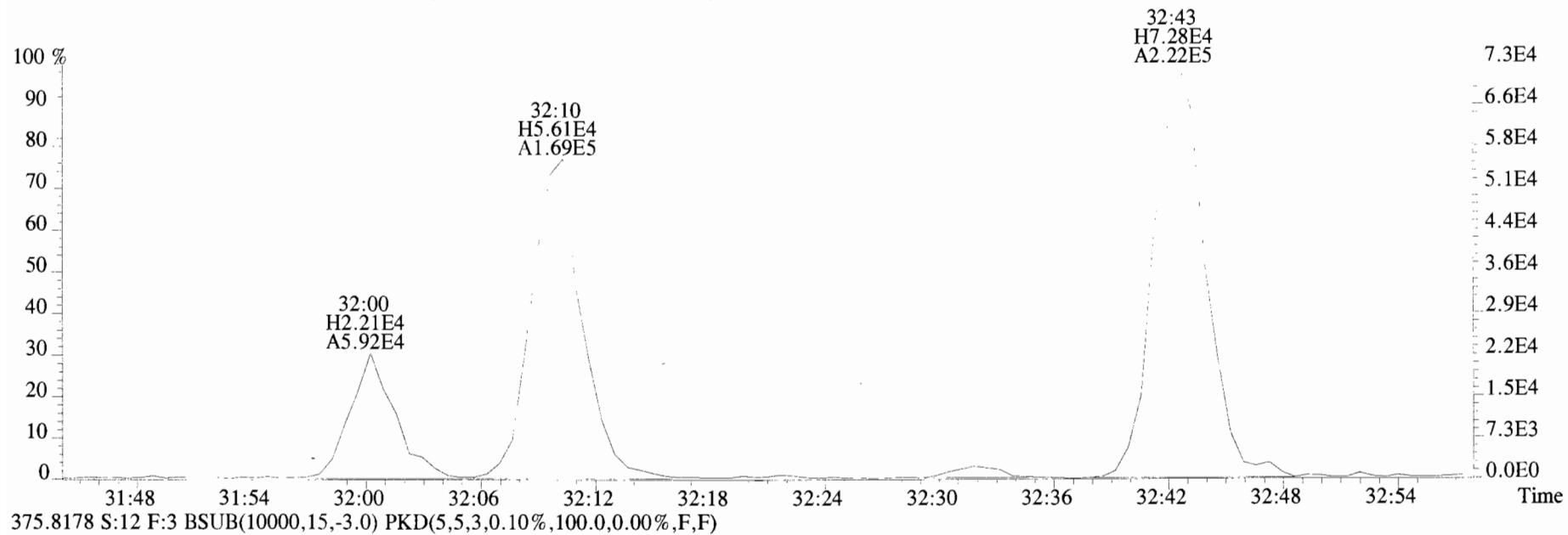
385.8610 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



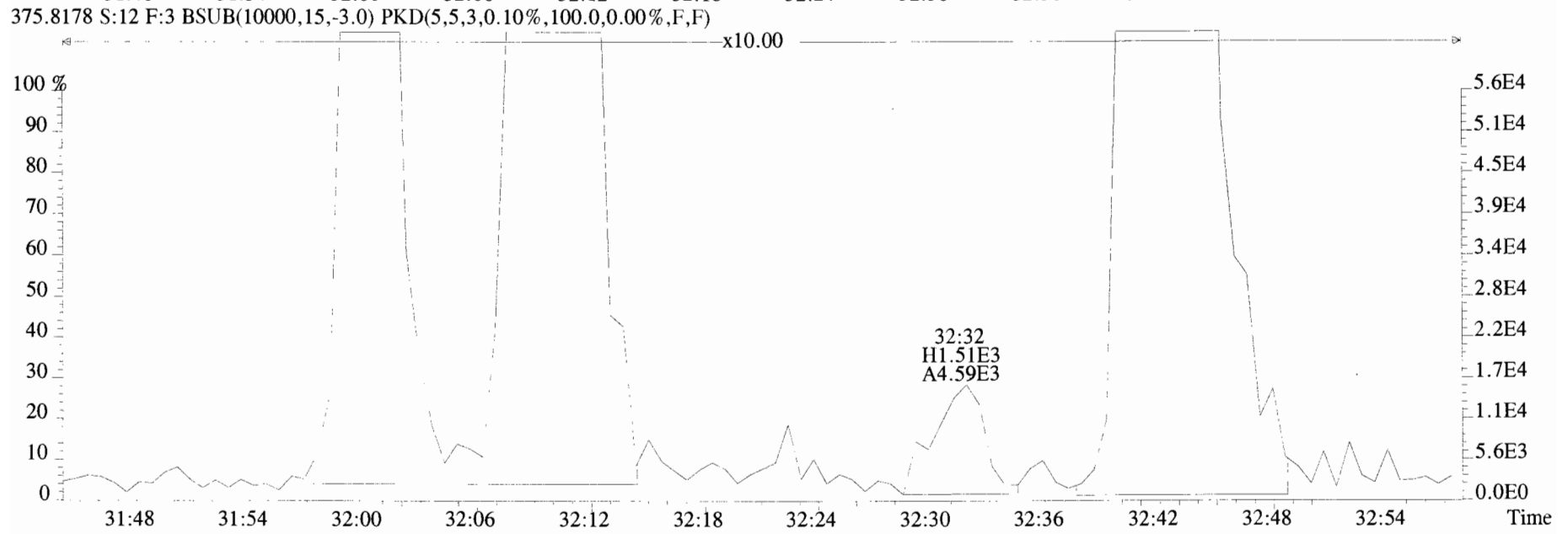
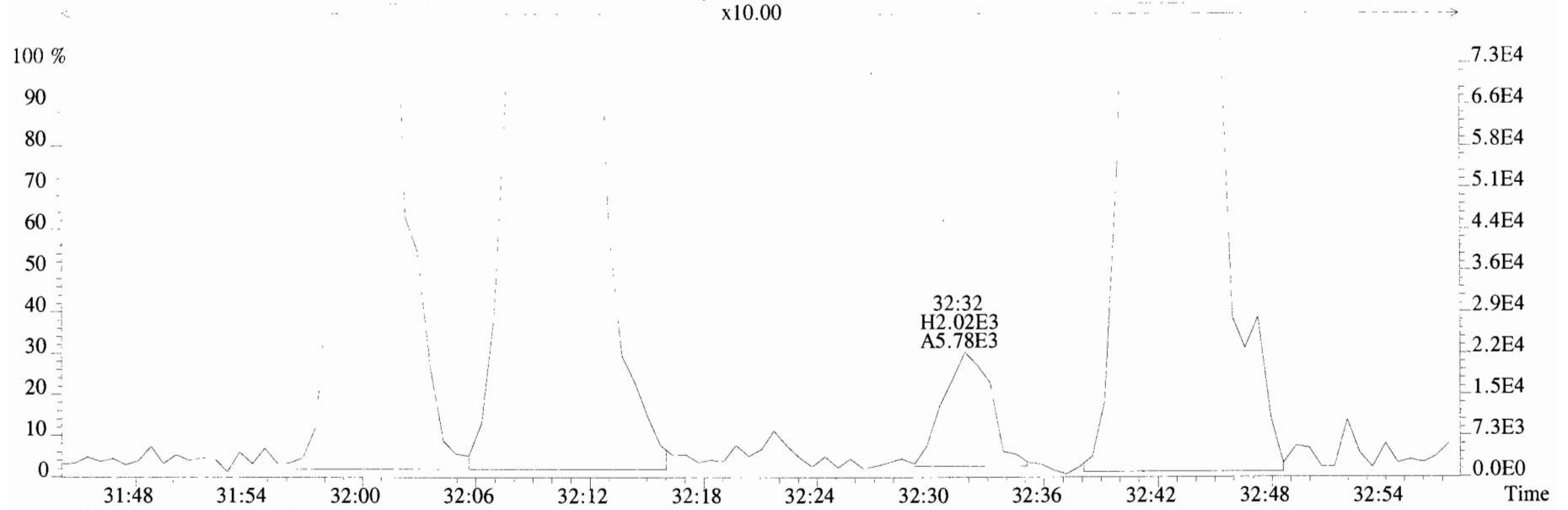
445.7555 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



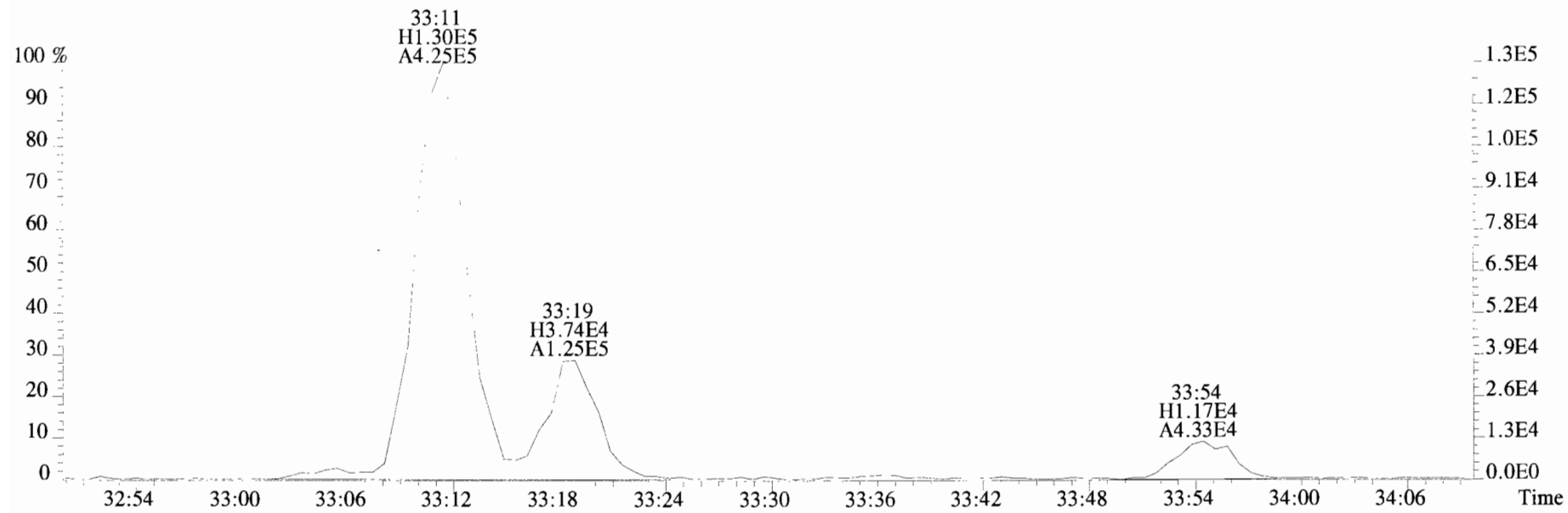
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



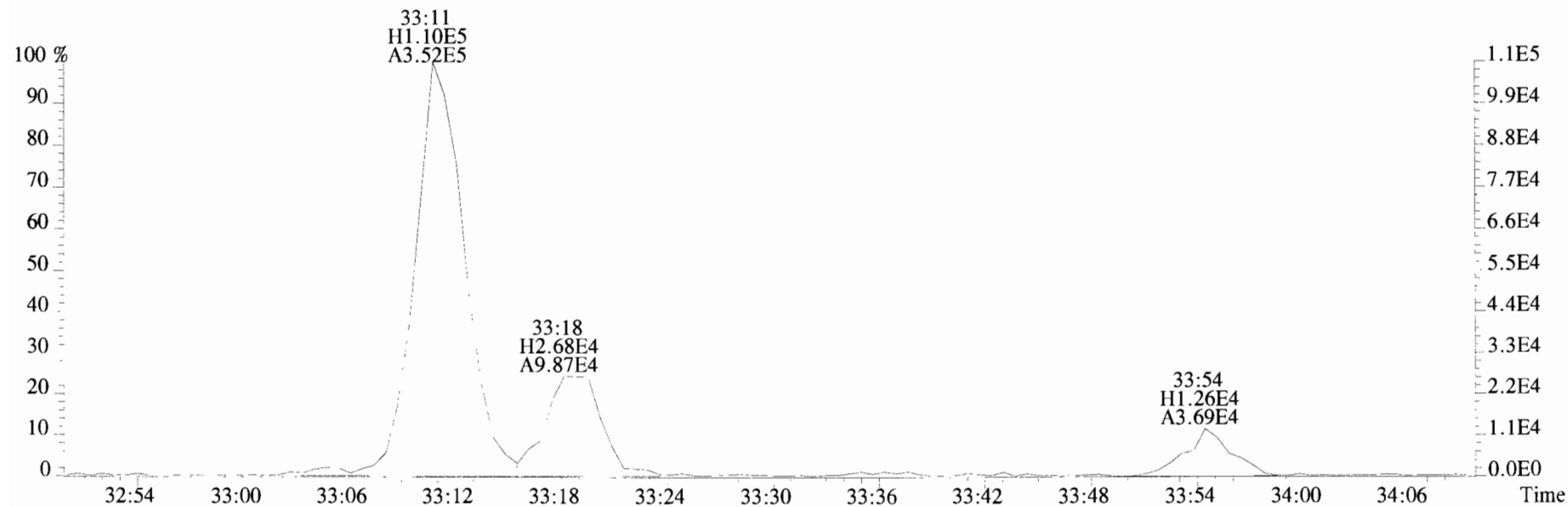
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



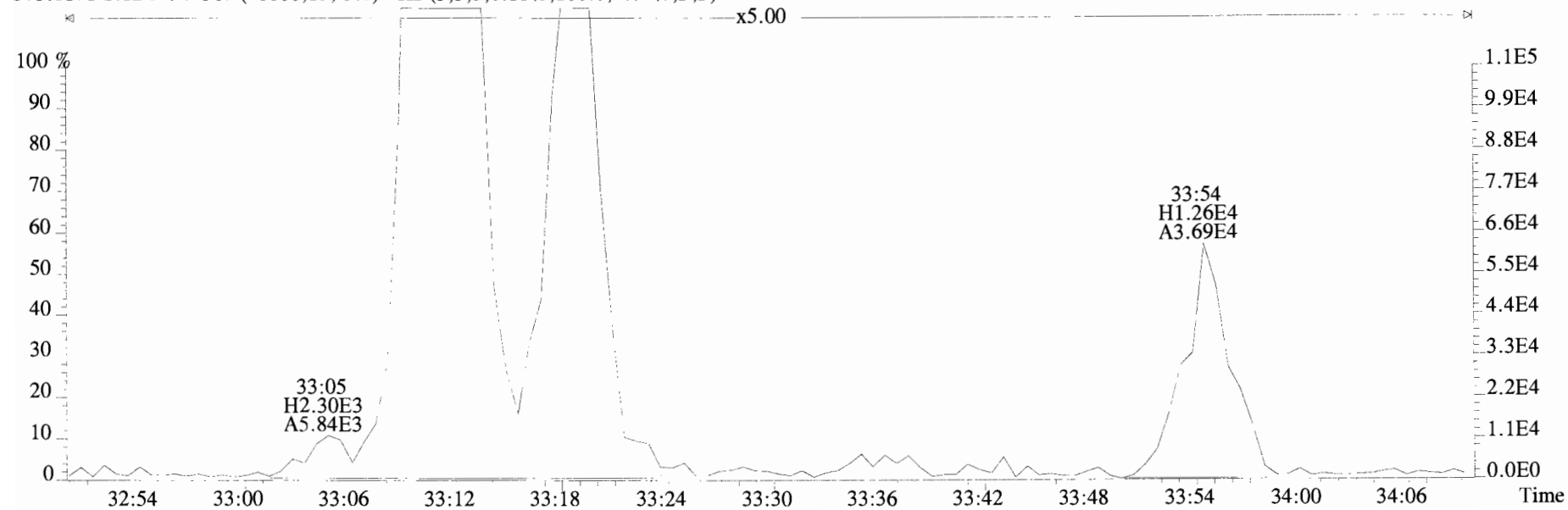
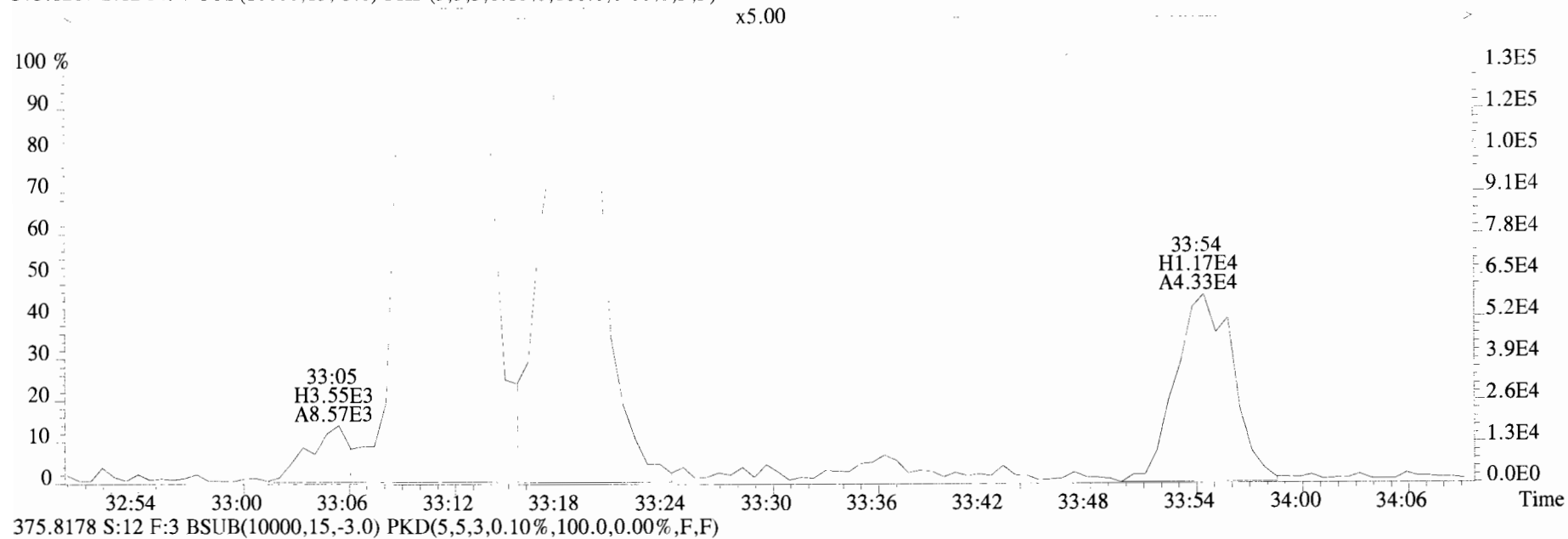
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(I0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



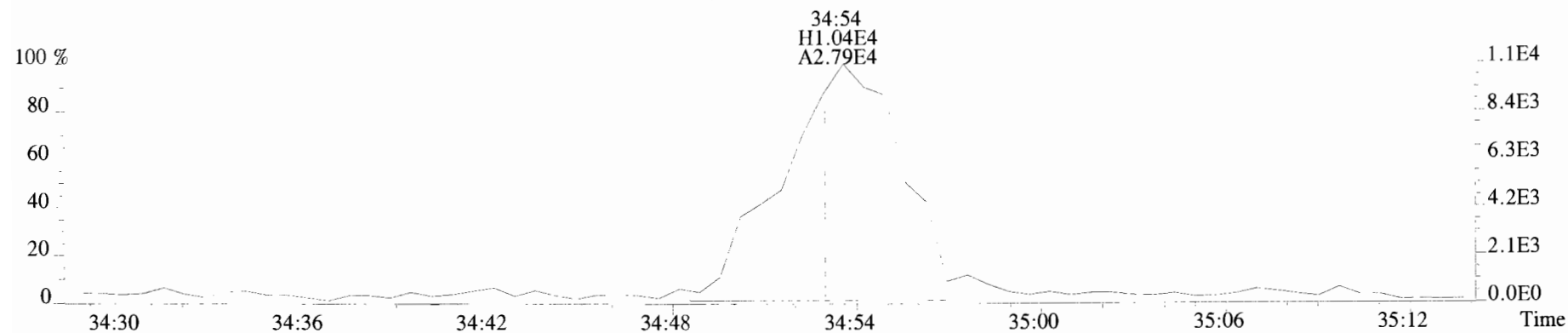
375.8178 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



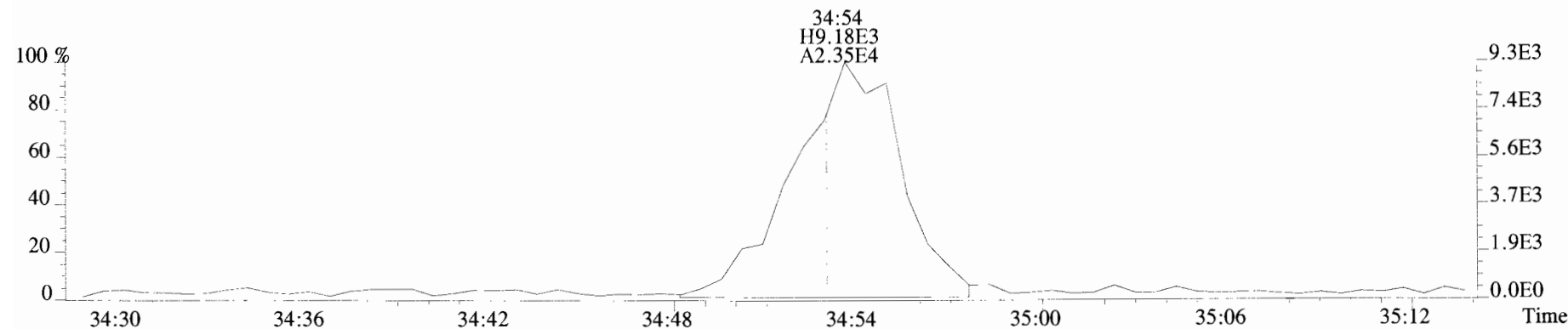
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



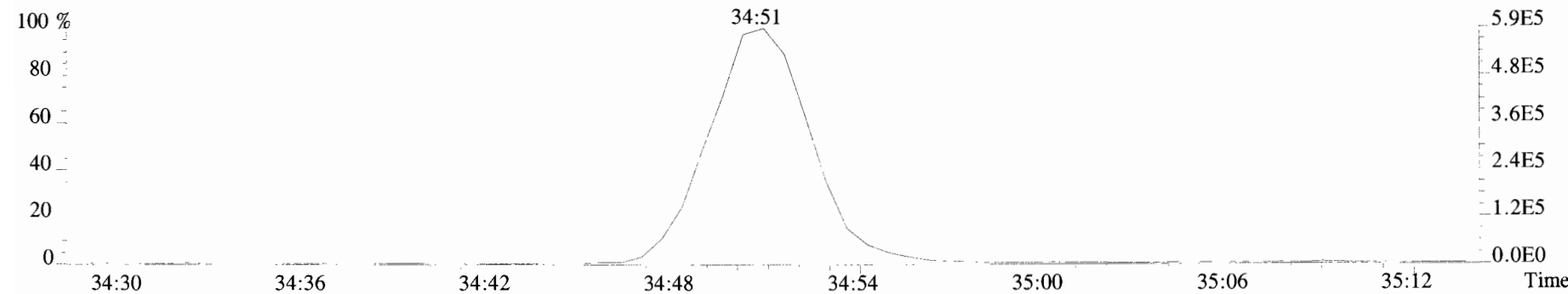
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
373.8207 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



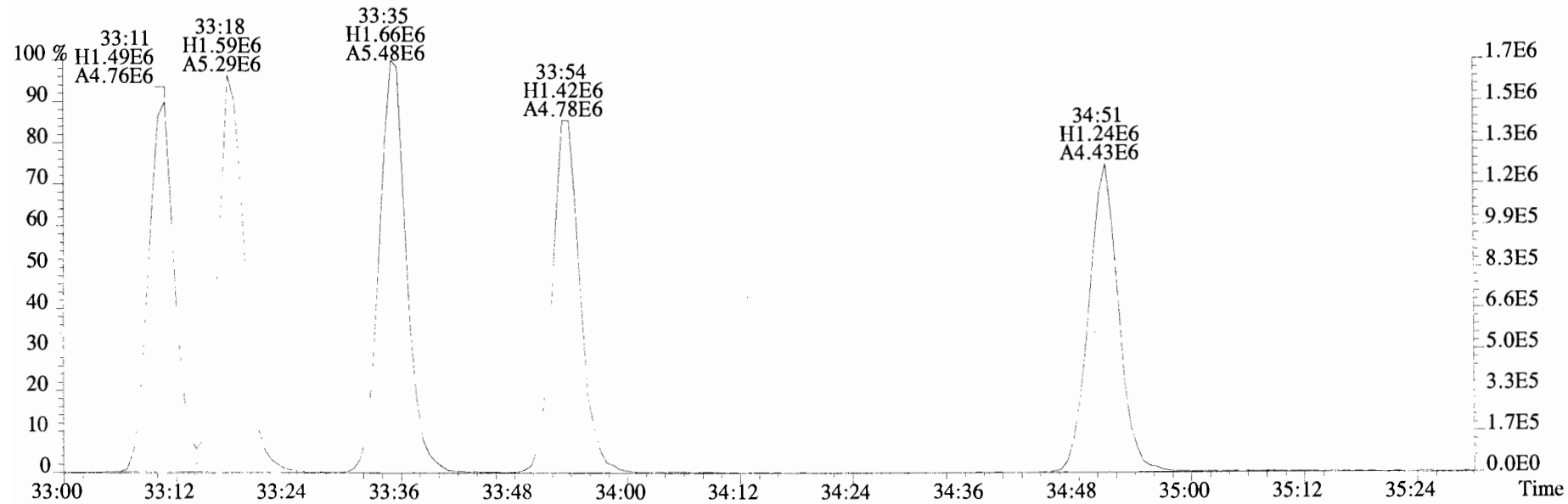
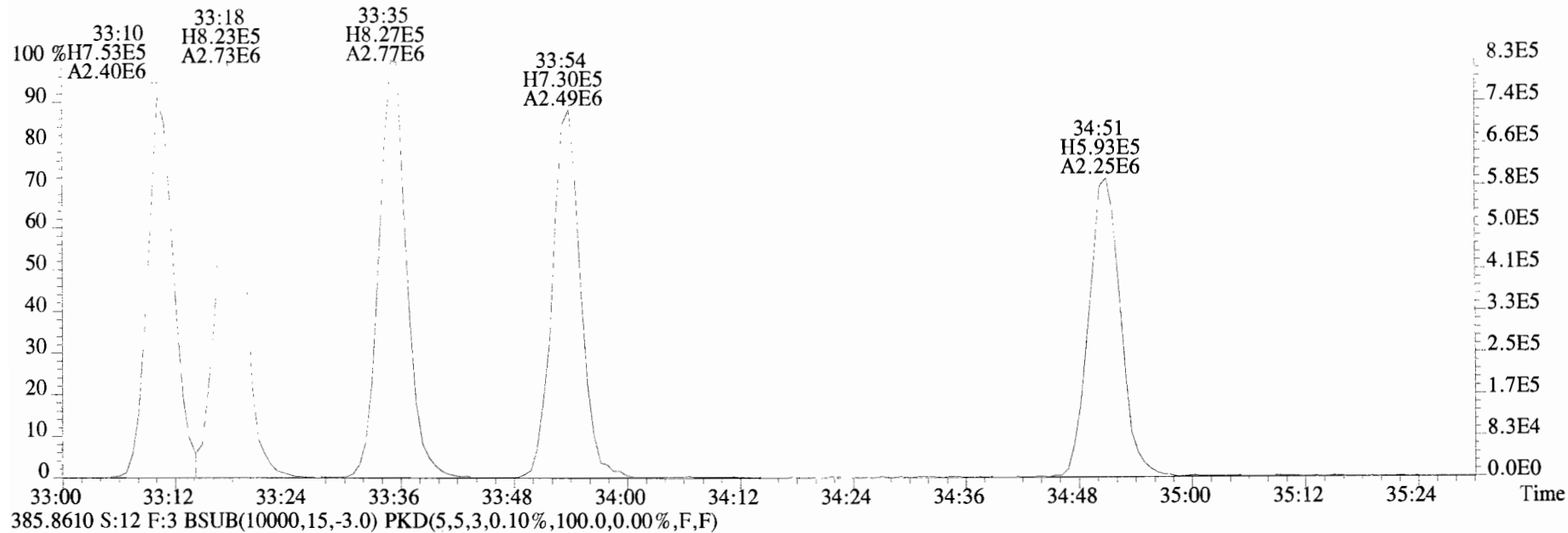
375.8178 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



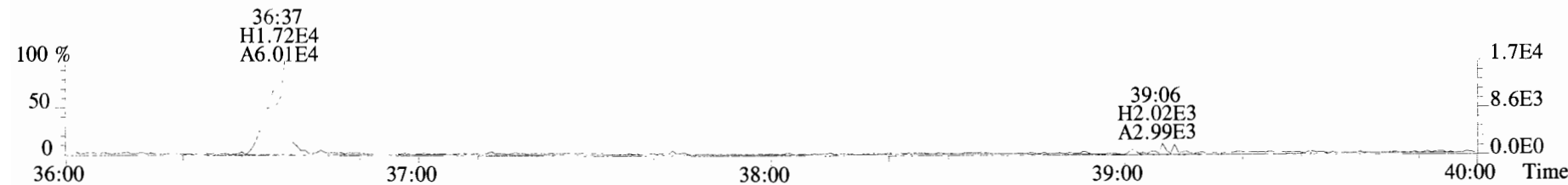
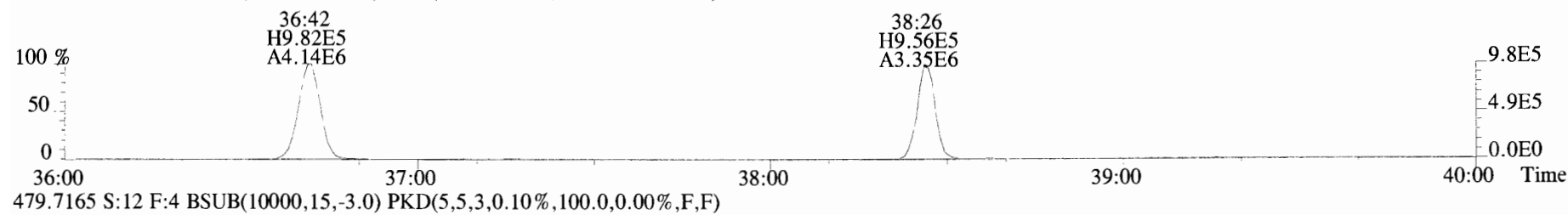
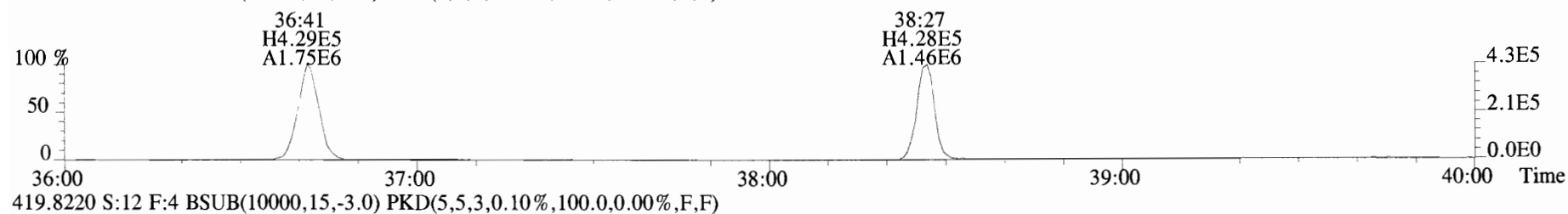
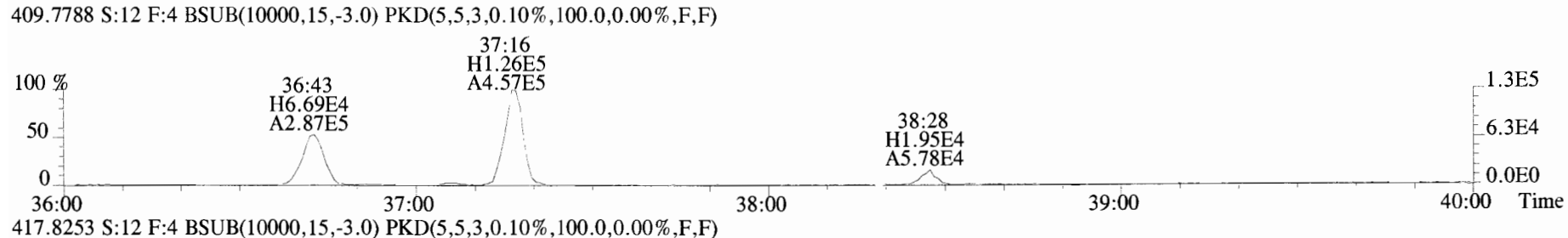
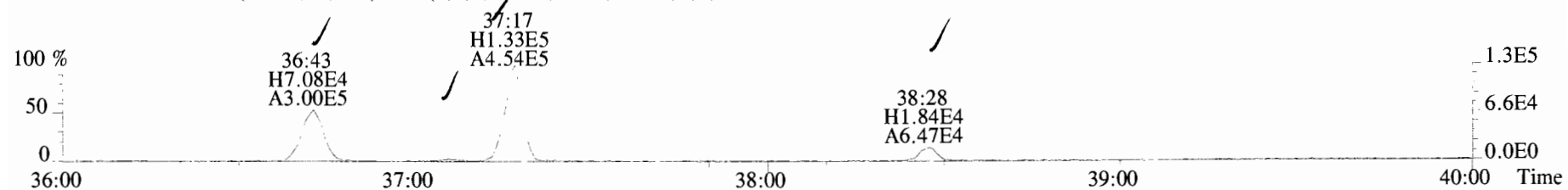
383.8639 S:12 F:3



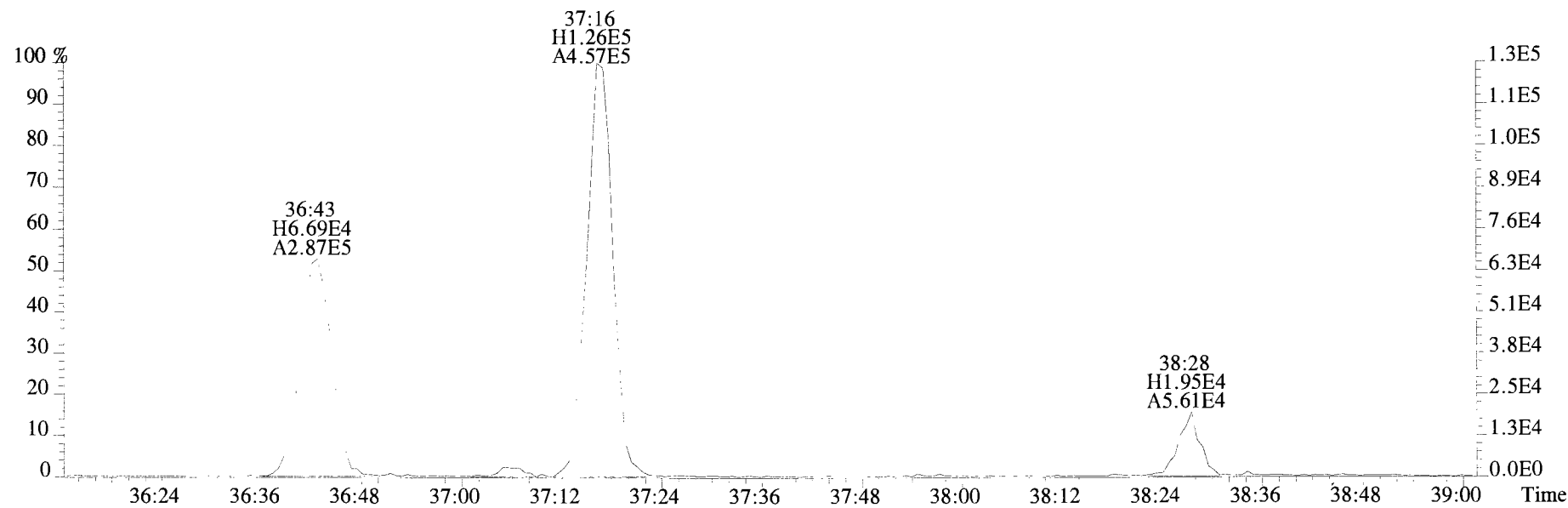
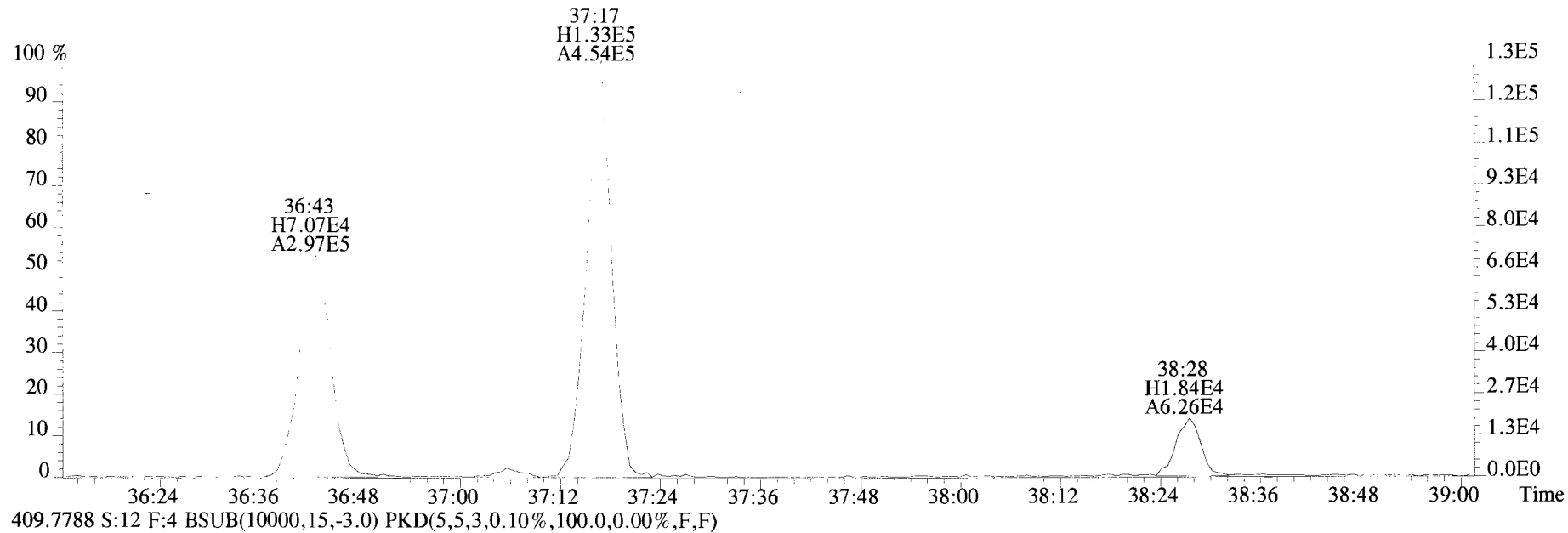
File:191016D2 #1-385 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
383.8639 S:12 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



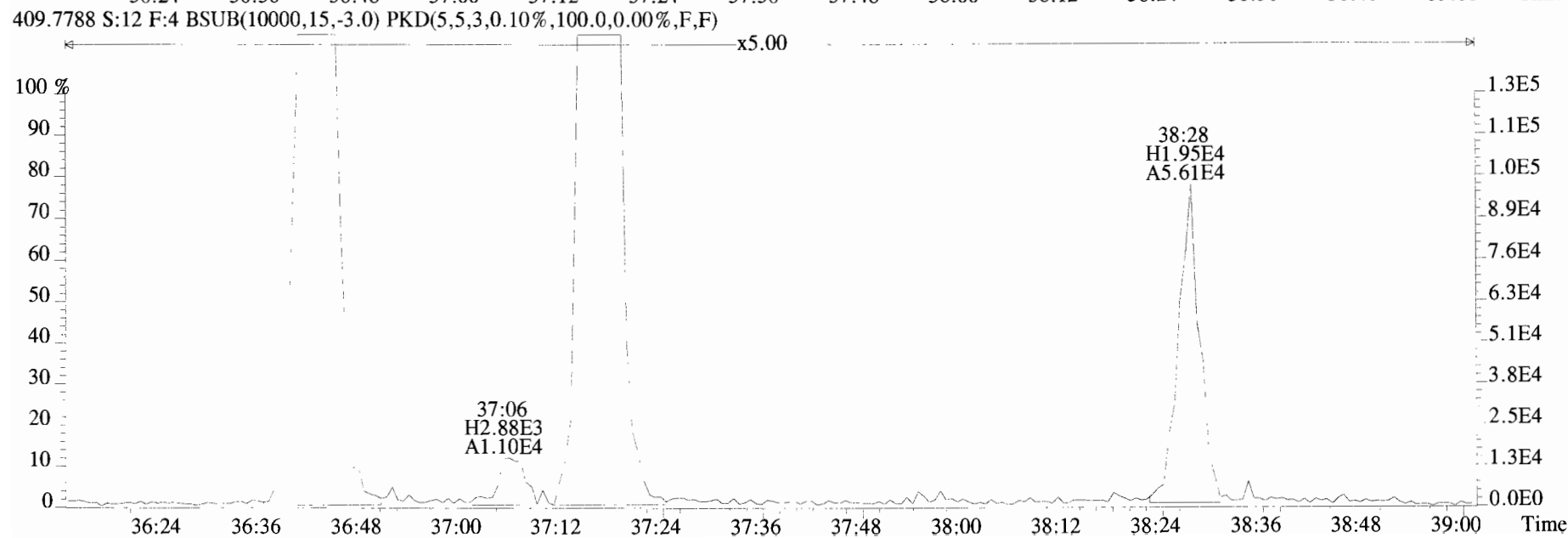
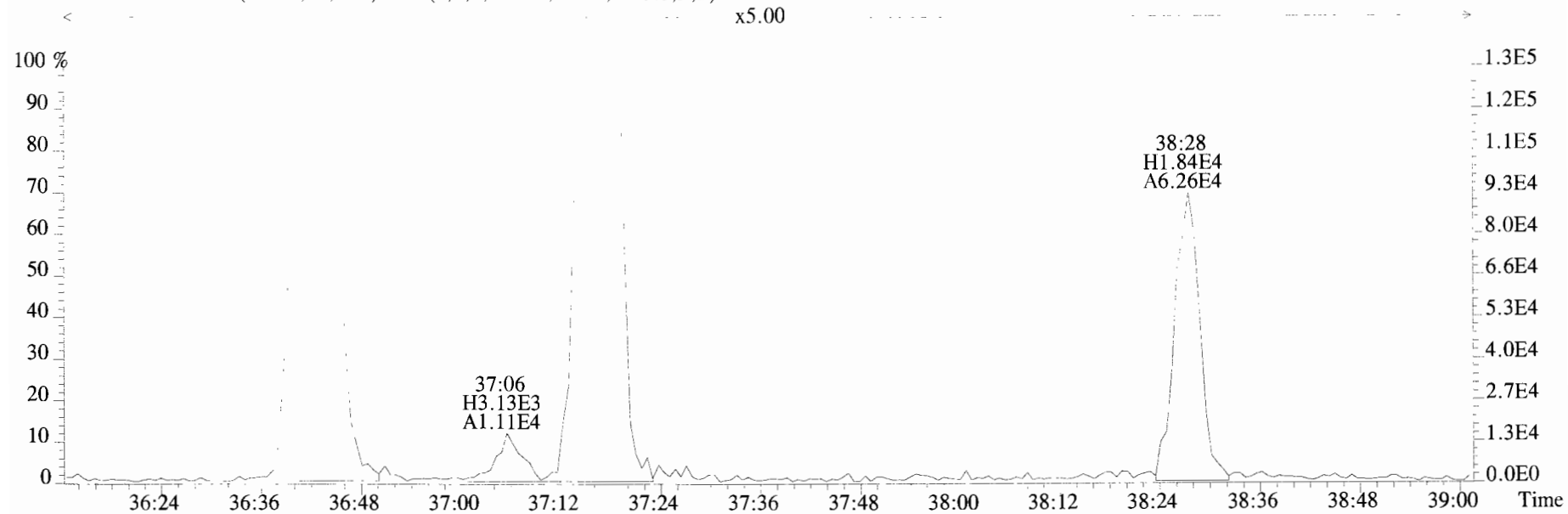
File:191016D2 #1-356 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



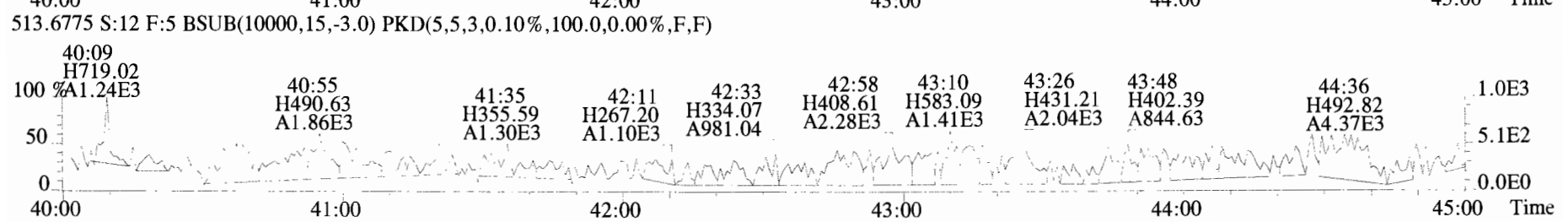
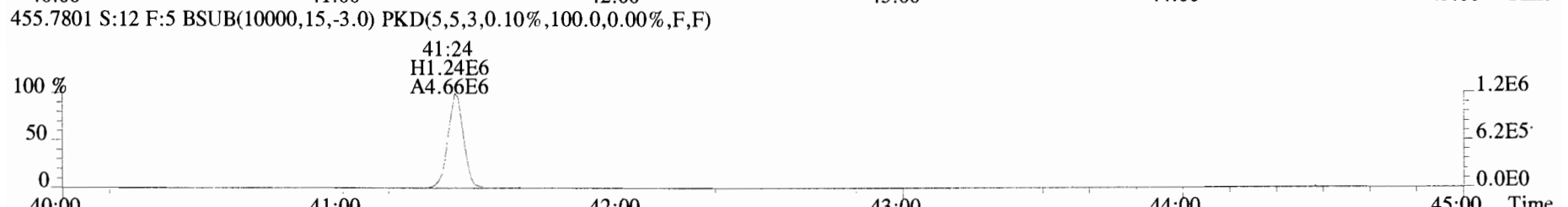
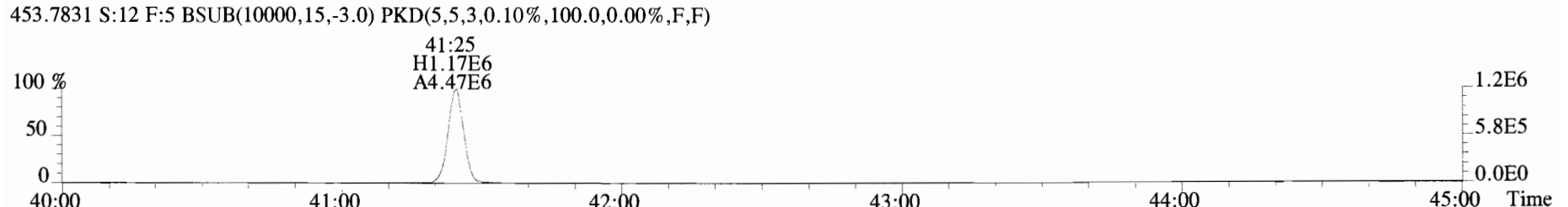
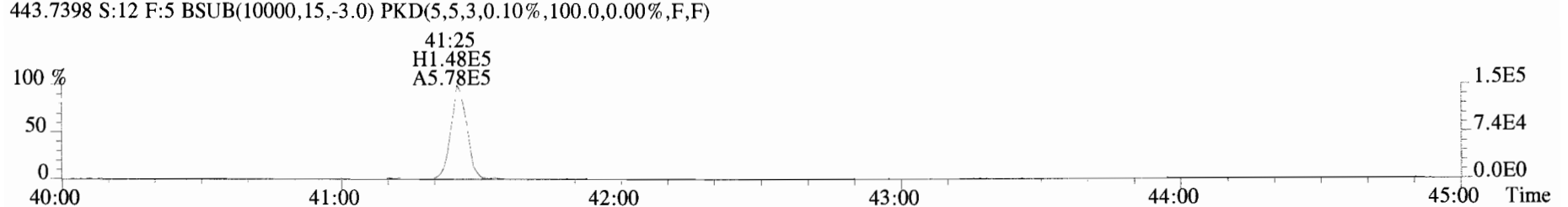
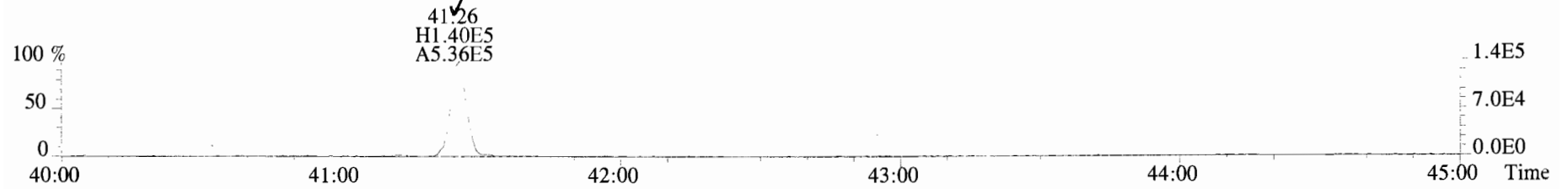
File: 191016D2 #1-356 Acq: 17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text: Vista Analytical Laboratory VG7 Text: 1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp: OCDD_DB5
407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



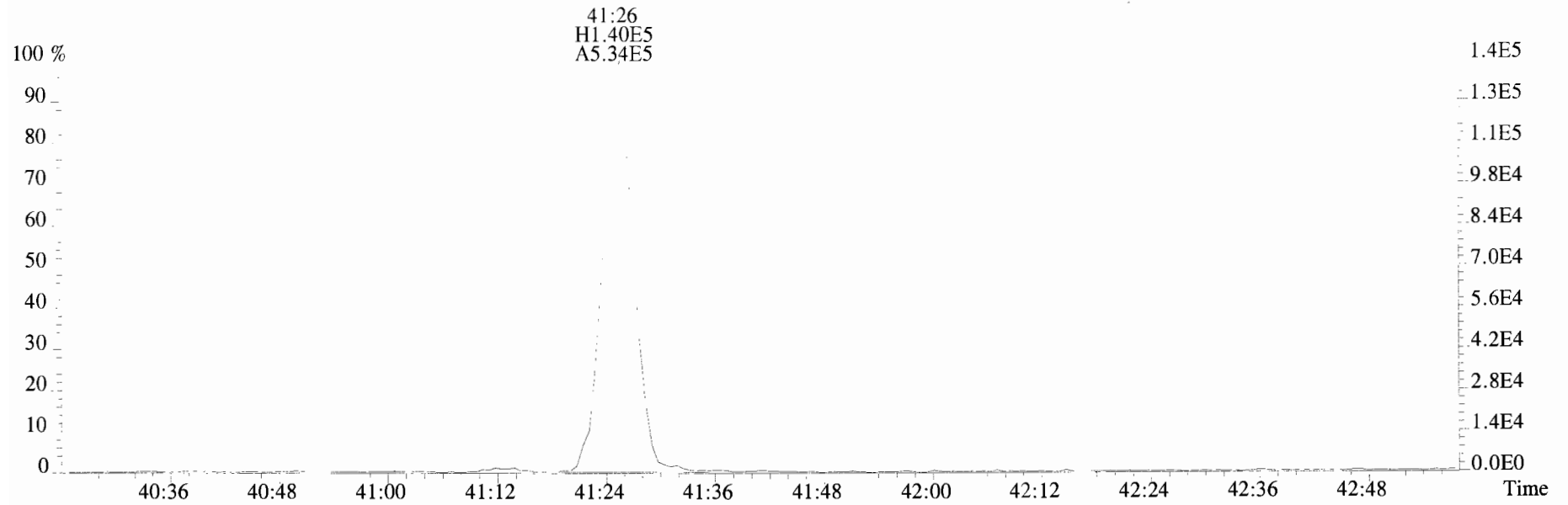
File:191016D2 #1-356 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
407.7818 S:12 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



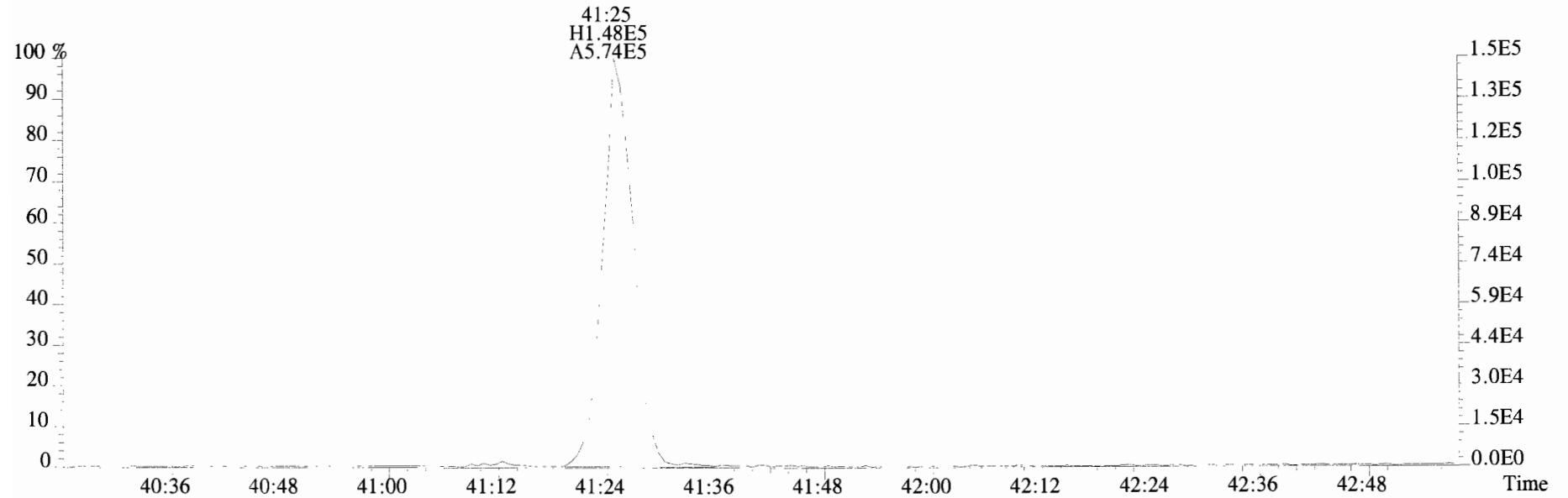
File:191016D2 #1-433 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory_VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
 441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191016D2 #1-433 Acq:17-OCT-2019 09:26:14 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-06RE1 PDI-102SG-00-01-190923 24.72 Exp:OCDD_DB5
441.7428 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



443.7398 S:12 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: Duplicate
Lab ID: B9J0052-DUP1

Filename: 191016D2 S:13 Acq:17-OCT 19 10:14:09
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol:10.105

ConCal: ST191016D2-1
EndCAL: NA

Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.93e+04	0.56 n	0.91	26:20	0.58397	*	2.5	*	*	Total Tetra-Dioxins	5.50	6.91	*	*	
1,2,3,7,8-PeCDD	3.01e+04	0.59 y	0.90	30:47	1.1849	*	2.5	*	*	Total Penta-Dioxins	9.83	10.0	*	*	
1,2,3,4,7,8-HxCDD	2.63e+04	1.33 y	1.10	34:06	1.1188	*	2.5	*	*	Total Hexa-Dioxins	44.0	44.0	*	*	
1,2,3,6,7,8-HxCDD	1.28e+05	1.26 y	0.94	34:13	5.2654	*	2.5	*	*	Total Hepta-Dioxins	254	254	*	*	
1,2,3,7,8,9-HxCDD	6.58e+04	1.27 y	0.96	34:31	2.7202	*	2.5	*	*	Total Tetra-Furans	41.4	45.8	*	*	
1,2,3,4,6,7,8-HpCDD	2.30e+06	1.01 y	0.98	37:56	99.501	*	2.5	*	*	Total Penta-Furans	46.896	48.286	*	*	
OCDD	1.92e+07	0.91 y	0.96	41:14	978.72	*	2.5	*	*	Total Hexa-Furans	59.7	59.7	*	*	
										Total Hepta-Furans	71.7	71.7	*	*	
2,3,7,8-TCDF	6.10e+05	0.78 y	0.95	25:33	12.433 (12-19)	*	2.5	*	*						
1,2,3,7,8-PeCDF	5.34e+05	1.56 y	0.96	29:38	12.653	*	2.5	*	*						
2,3,4,7,8-PeCDF	2.30e+05	1.57 y	1.01	30:30	5.0659	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	7.00e+05	1.20 y	1.18	33:13	20.071	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	1.85e+05	1.19 y	1.07	33:20	5.2317	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	8.86e+04	1.23 y	1.11	33:56	2.5109	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	3.15e+04	1.13 y	1.06	34:54	1.0097	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	7.77e+05	1.01 y	1.13	36:44	24.531	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	1.07e+05	1.04 y	1.28	38:29	4.0266	*	2.5	*	*						
OCDF	1.36e+06	0.89 y	0.95	41:27	60.087	*	2.5	*	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	7.23e+06	0.79 y	1.10	26:19	189.97					96.0					
IS 13C-1,2,3,7,8-PeCDD	5.58e+06	0.62 y	0.88	30:47	182.10					92.0					
IS 13C-1,2,3,4,7,8-HxCDD	4.22e+06	1.19 y	0.64	34:06	167.46					84.6					
IS 13C-1,2,3,6,7,8-HxCDD	5.15e+06	1.23 y	0.86	34:12	153.13					77.4					
IS 13C-1,2,3,7,8,9-HxCDD	4.98e+06	1.21 y	0.81	34:30	157.19					79.4					
IS 13C-1,2,3,4,6,7,8-HpCDD	4.67e+06	1.04 y	0.65	37:56	181.80					91.9					
IS 13C-OCDD	8.08e+06	0.93 y	0.58	41:13	354.97					89.7					
IS 13C-2,3,7,8-TCDF	1.02e+07	0.80 y	1.03	25:33	161.86					81.8					
IS 13C-1,2,3,7,8-PeCDF	8.70e+06	1.64 y	0.85	29:37	167.07					84.4					
IS 13C-2,3,4,7,8-PeCDF	8.86e+06	1.57 y	0.85	30:30	171.51					86.7					
IS 13C-1,2,3,4,7,8-HxCDF	5.86e+06	0.51 y	0.83	33:12	179.50					90.7					
IS 13C-1,2,3,6,7,8-HxCDF	6.56e+06	0.50 y	1.03	33:20	161.37					81.5					
IS 13C-2,3,4,6,7,8-HxCDF	6.27e+06	0.49 y	0.95	33:55	167.43					84.6					
IS 13C-1,2,3,7,8,9-HxCDF	5.82e+06	0.50 y	0.83	34:53	178.98					90.4					
IS 13C-1,2,3,4,6,7,8-HpCDF	5.56e+06	0.44 y	0.76	36:44	186.81					94.4					
IS 13C-1,2,3,4,7,8,9-HpCDF	4.09e+06	0.40 y	0.58	38:28	179.19					90.5					
IS 13C-OCDF	9.45e+06	0.88 y	0.69	41:27	349.02					88.2					
C/Up 37C1-2,3,7,8-TCDD	3.60e+06		1.20	26:20	86.447					109					
RS/RT 13C-1,2,3,4-TCDD	6.88e+06	0.77 y	1.00	25:46	197.93						Integrations				
RS 13C-1,2,3,4-TCDF	1.21e+07	0.82 y	1.00	24:21	197.93						by DB				
RS/RT 13C-1,2,3,4,6,9-HxCDF	7.77e+06	0.50 y	1.00	33:37	197.93						Analyst: AL			CT	

Date: 10/28/19 Date: 10-31-19 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 18 File: 191016D2 S: 13 I: 1 F: 1
Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 6.9139

Unnamed Concentration: 6.330

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
22:59	2.563e+04	3.321e+04	0.77	y	5.884e+04	1.7794
23:22	1.197e+04	1.443e+04	0.83	y	2.640e+04	0.79833
24:30	4.929e+03	5.122e+03	0.96	n	9.066e+03	0.27415
24:41	5.057e+03	6.893e+03	0.73	y	1.195e+04	0.36139
24:52	7.178e+03	6.804e+03	1.05	n	1.204e+04	0.36421
25:16	1.957e+03	2.918e+03	0.67	y	4.875e+03	0.14741
25:25	2.190e+03	3.270e+03	0.67	y	5.460e+03	0.16513
26:06	3.331e+04	4.100e+04	0.81	y	7.432e+04	2.2474
26:20	8.401e+03	1.497e+04	0.56	n	1.931e+04	0.58397
26:38	3.534e+03	3.597e+03	0.98	n	6.367e+03	0.19255

2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 18 File: 191016D2 S: 13 I: 1 F: 2
 Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 10.037 Unnamed Concentration: 8.852

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:46	2.247e+04	3.768e+04	0.60	y	6.015e+04	2.3647
29:12	8.850e+03	1.266e+04	0.70	y	2.151e+04	0.84555
29:39	1.352e+04	2.003e+04	0.68	y	3.355e+04	1.3191
29:48	1.323e+04	1.876e+04	0.71	y	3.200e+04	1.2580
29:54	7.388e+03	1.065e+04	0.69	y	1.803e+04	0.70905
30:05	1.460e+04	2.311e+04	0.63	y	3.772e+04	1.4829
30:24	2.877e+03	4.441e+03	0.65	y	7.318e+03	0.28772
30:47	1.121e+04	1.893e+04	0.59	y	3.014e+04	1.1849
30:53	2.476e+03	3.243e+03	0.76	n	5.286e+03	0.20780
31:09	3.508e+03	6.087e+03	0.58	y	9.595e+03	0.37722

1,2,3,7,8-PeCDD

Totals class: HxCDD EMPC

Entry #: 23

Run: 18 File: 191016D2 S: 13 I: 1 F: 3
Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 43.998

Unnamed Concentration: 34.893

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:34	1.807e+05	1.581e+05	1.14	y	3.388e+05	14.136
33:08	2.493e+04	2.140e+04	1.16	y	4.633e+04	1.9330
33:24	2.244e+05	1.849e+05	1.21	y	4.093e+05	17.075
33:32	1.381e+04	1.069e+04	1.29	y	2.450e+04	1.0224
34:06	1.503e+04	1.127e+04	1.33	y	2.629e+04	1.1188
34:13	7.173e+04	5.677e+04	1.26	y	1.285e+05	5.2654
34:25	9.854e+03	7.572e+03	1.30	y	1.743e+04	0.72706
34:31	3.678e+04	2.903e+04	1.27	y	6.580e+04	2.7202

Totals class: HpCDD EMPC

Entry #: 25

Run: 18

File: 191016D2

S: 13 I: 1 F: 4

Acquired: 17-OCT-19 10:14:09

Processed: 17-OCT-19 13:17:12

Total Concentration: 254.23

Unnamed Concentration: 154.729

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
37:07	1.809e+06	1.766e+06	1.02 y	3.575e+06	154.73
37:56	1.156e+06	1.143e+06	1.01 y	2.299e+06	99.501 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 18 File: 191016D2 S: 13 I: 1 F: 1
 Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 45.798

Unnamed Concentration: 33.365

RT	ml Resp	m2 Resp	RA		Resp Concentration	Name	
21:28	1.372e+04	1.378e+04	1.00	n	2.438e+04	0.49735	
22:05	6.893e+04	8.196e+04	0.84	y	1.509e+05	3.0775	
22:36	4.405e+04	5.010e+04	0.88	y	9.415e+04	1.9203	
22:58	9.478e+04	1.163e+05	0.81	y	2.111e+05	4.3052	
23:23	3.709e+04	5.027e+04	0.74	y	8.735e+04	1.7817	
23:30	1.588e+04	1.417e+04	1.12	n	2.507e+04	0.51140	
23:39	2.453e+04	2.970e+04	0.83	y	5.423e+04	1.1061	
24:00	5.606e+03	8.526e+03	0.66	y	1.413e+04	0.28824	
24:07	1.190e+04	1.683e+04	0.71	y	2.873e+04	0.58605	
24:14	1.929e+04	2.672e+04	0.72	y	4.600e+04	0.93831	
24:21	6.115e+04	8.124e+04	0.75	y	1.424e+05	2.9042	
24:47	2.153e+05	2.539e+05	0.85	y	4.693e+05	9.5711	
25:00	1.860e+04	2.421e+04	0.77	y	4.281e+04	0.87326	
25:12	5.920e+03	8.730e+03	0.68	y	1.465e+04	0.29882	
25:22	6.997e+03	7.009e+03	1.00	n	1.241e+04	0.25303	
25:28	5.203e+04	5.252e+04	0.99	n	9.297e+04	1.8962	
25:33	2.676e+05	3.420e+05	0.78	y	6.096e+05	12.433	2,3,7,8-TCDF
25:53	2.592e+04	3.817e+04	0.68	y	6.409e+04	1.3073	
26:06	4.562e+03	7.566e+03	0.60	n	1.049e+04	0.21389	
27:19	2.808e+04	2.867e+04	0.98	n	5.075e+04	1.0351	

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 18 File: 191016D2 S: 13 I: 1 F: 1
Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 7.0514 Unnamed Concentration: 7.051

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:19	1.883e+05	1.206e+05	1.56 y	3.089e+05	7.0514

Totals class: PeCDF EMPC

Entry #: 31

Run: 18 File: 191016D2 S: 13 I: 1 F: 2
 Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 41.234

Unnamed Concentration: 23.515

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:36	2.957e+04	1.629e+04	1.82	n	4.154e+04	0.94831
28:44	2.463e+05	1.712e+05	1.44	y	4.175e+05	9.5314
29:15	6.374e+04	4.552e+04	1.40	y	1.093e+05	2.4943
29:28	4.144e+04	2.578e+04	1.61	y	6.722e+04	1.5345
29:38	3.253e+05	2.090e+05	1.56	y	5.342e+05	12.653
29:53	1.368e+05	8.536e+04	1.60	y	2.221e+05	5.0710
30:26	1.161e+04	7.907e+03	1.47	y	1.951e+04	0.44547
30:30	1.405e+05	8.962e+04	1.57	y	2.301e+05	5.0659
30:34	8.453e+04	4.902e+04	1.72	y	1.336e+05	3.0489
31:22	1.175e+04	9.955e+03	1.18	n	1.933e+04	0.44139

Totals class: HxCDF EMPC

Entry #: 33

Run: 18 File: 191016D2 S: 13 I: 1 F: 3
 Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 59.733

Unnamed Concentration: 30.909

RT	ml Resp	m2 Resp	RA		Resp Concentration	Name
32:02	7.099e+04	5.552e+04	1.28	y	1.265e+05	3.7040
32:12	1.876e+05	1.626e+05	1.15	y	3.503e+05	10.255
32:32	7.067e+03	5.909e+03	1.20	y	1.298e+04	0.37993
32:44	2.655e+05	2.145e+05	1.24	y	4.800e+05	14.055
33:06	9.319e+03	7.506e+03	1.24	y	1.682e+04	0.49257
33:13	3.818e+05	3.180e+05	1.20	y	6.998e+05	20.071 1,2,3,4,7,8-HxCDF
33:20	1.008e+05	8.447e+04	1.19	y	1.853e+05	5.2317 1,2,3,6,7,8-HxCDF
33:37	5.197e+03	3.767e+03	1.38	y	8.964e+03	0.26244
33:56	4.892e+04	3.965e+04	1.23	y	8.856e+04	2.5109 2,3,4,6,7,8-HxCDF
34:54	1.675e+04	1.476e+04	1.13	y	3.151e+04	1.0097 1,2,3,7,8,9-HxCDF
34:56	3.304e+04	2.710e+04	1.22	y	6.014e+04	1.7607

Totals class: HpCDF EMPC

Entry #: 35

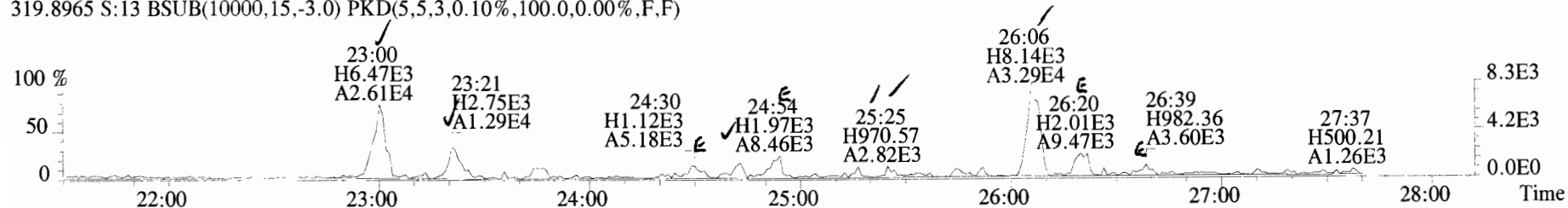
Run: 18 File: 191016D2 S: 13 I: 1 F: 4
Acquired: 17-OCT-19 10:14:09 Processed: 17-OCT-19 13:17:12

Total Concentration: 71.673

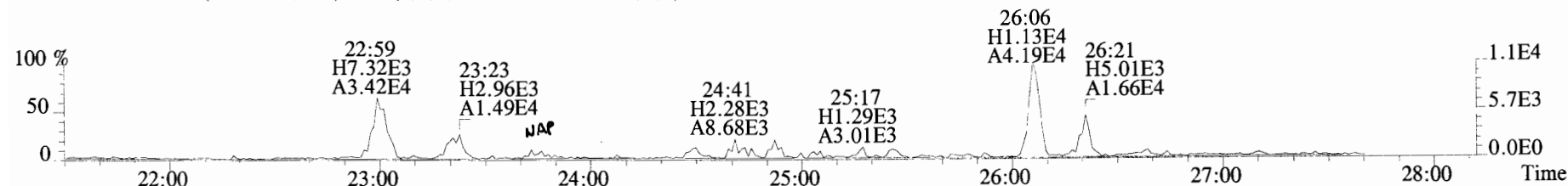
Unnamed Concentration: 43.116

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:44	3.894e+05	3.873e+05	1.01 y	7.768e+05	24.531	1,2,3,4,6,7,8-HpCDF
37:07	1.106e+04	1.081e+04	1.02 y	2.187e+04	0.75150	
37:18	6.267e+05	6.060e+05	1.03 y	1.233e+06	42.364	
38:29	5.434e+04	5.218e+04	1.04 y	1.065e+05	4.0266	1,2,3,4,7,8,9-HpCDF

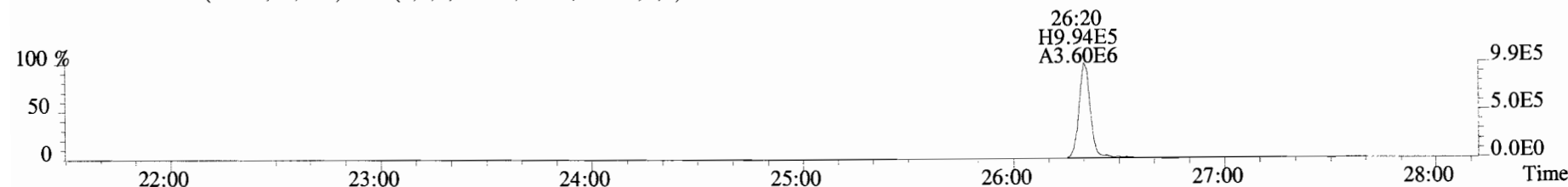
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



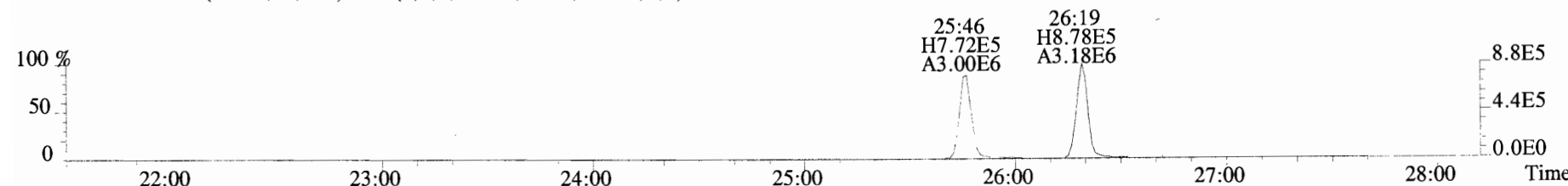
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



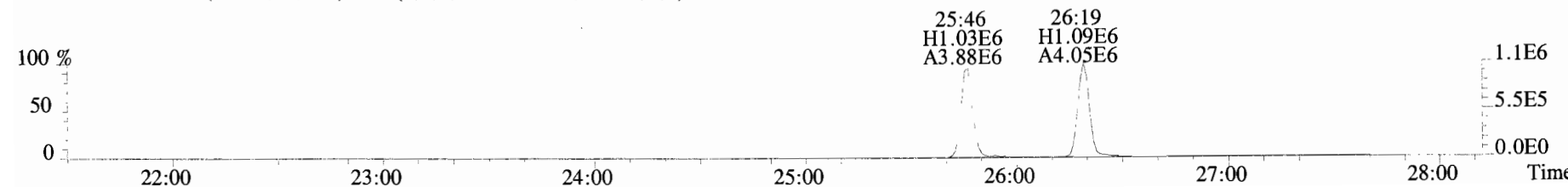
327.8847 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



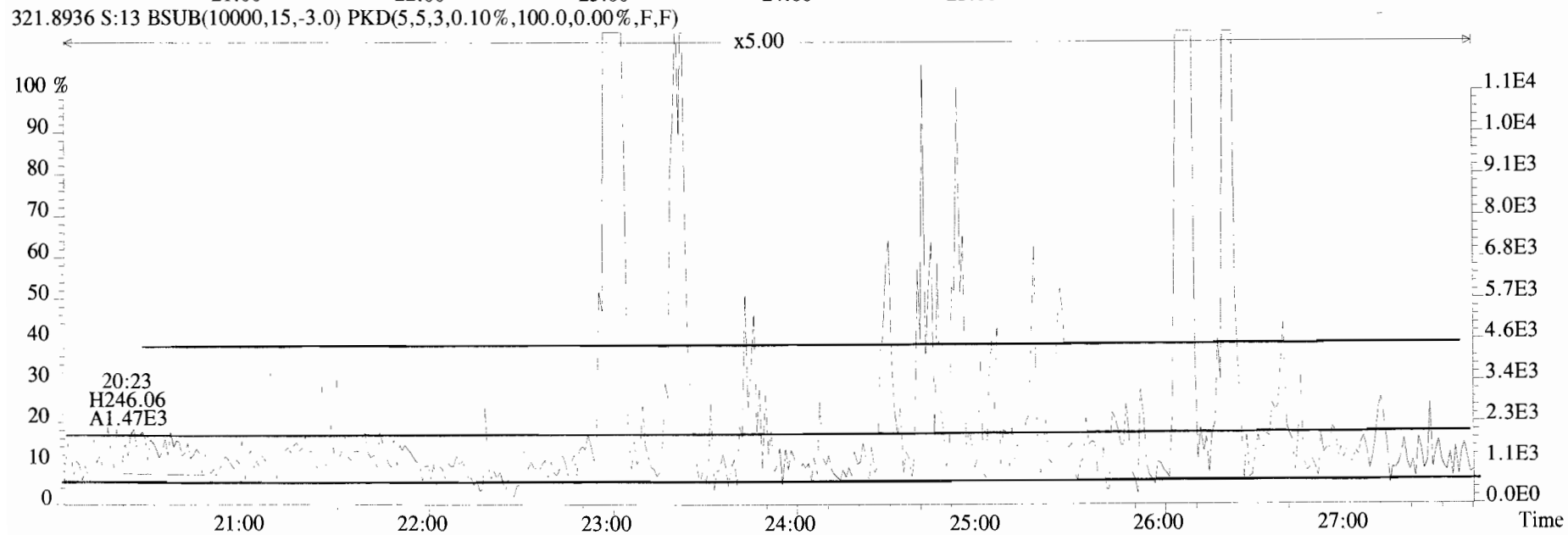
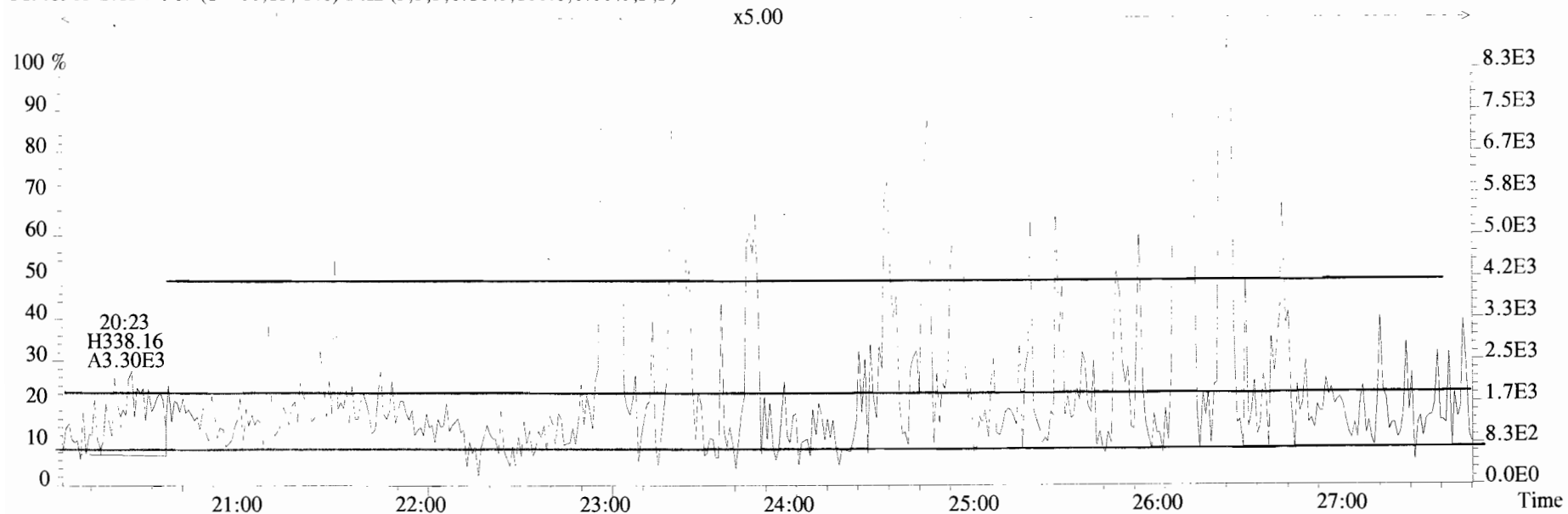
331.9368 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



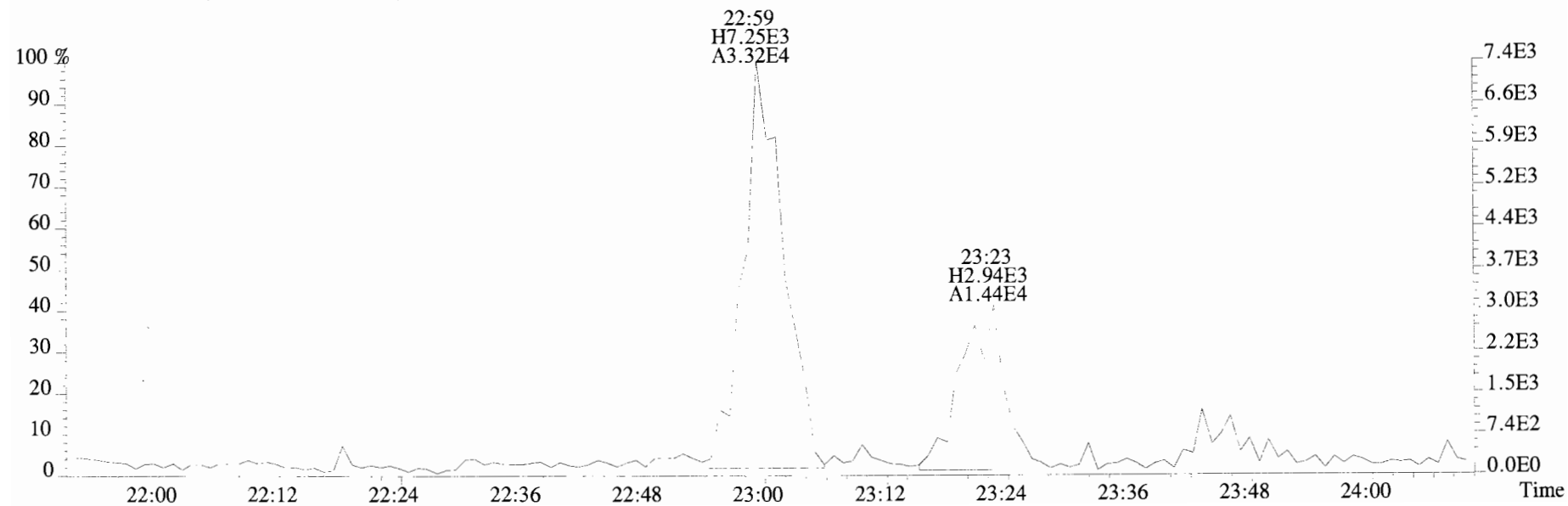
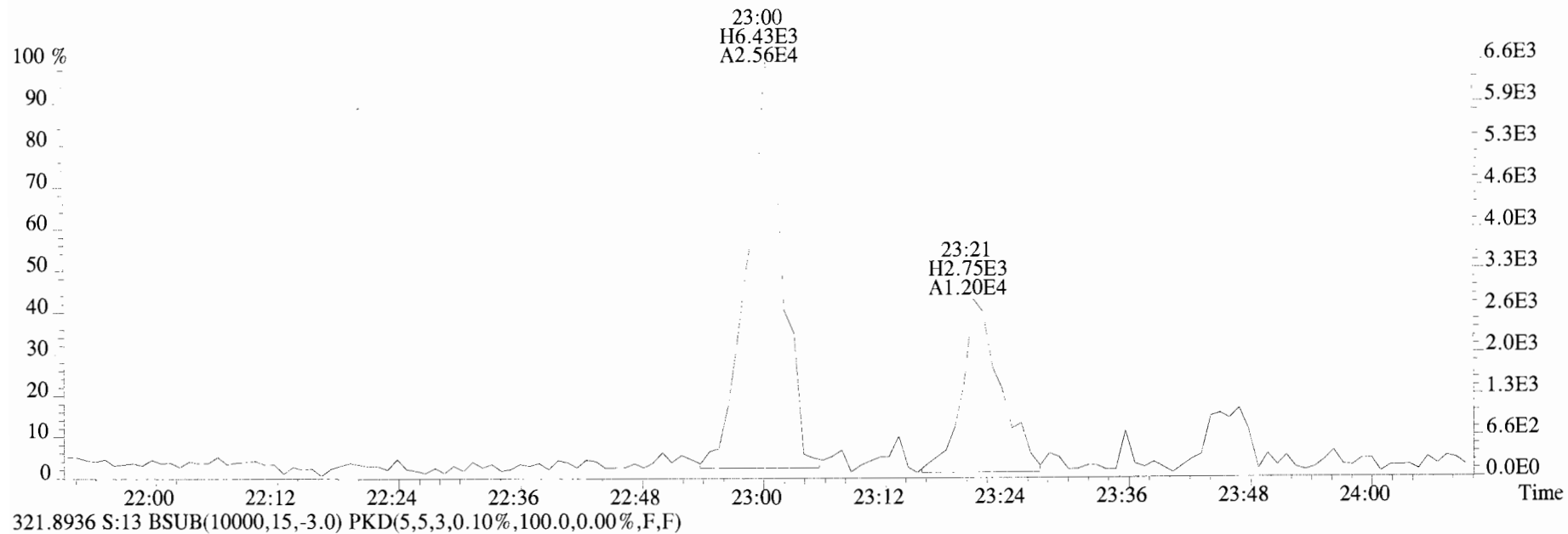
333.9339 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



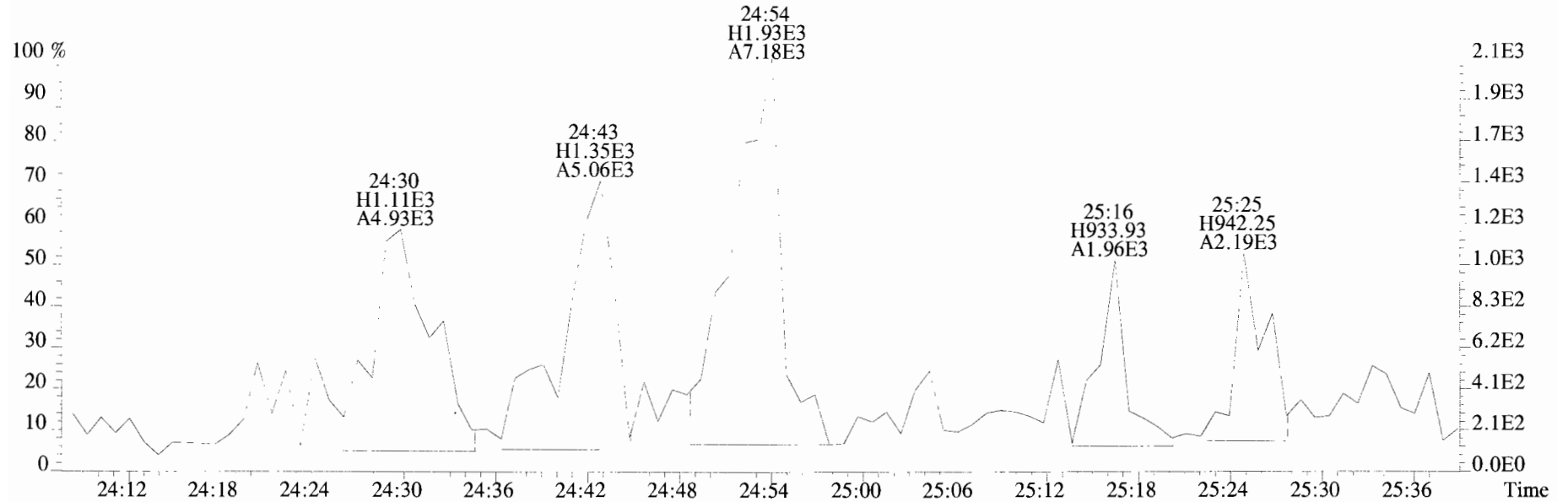
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



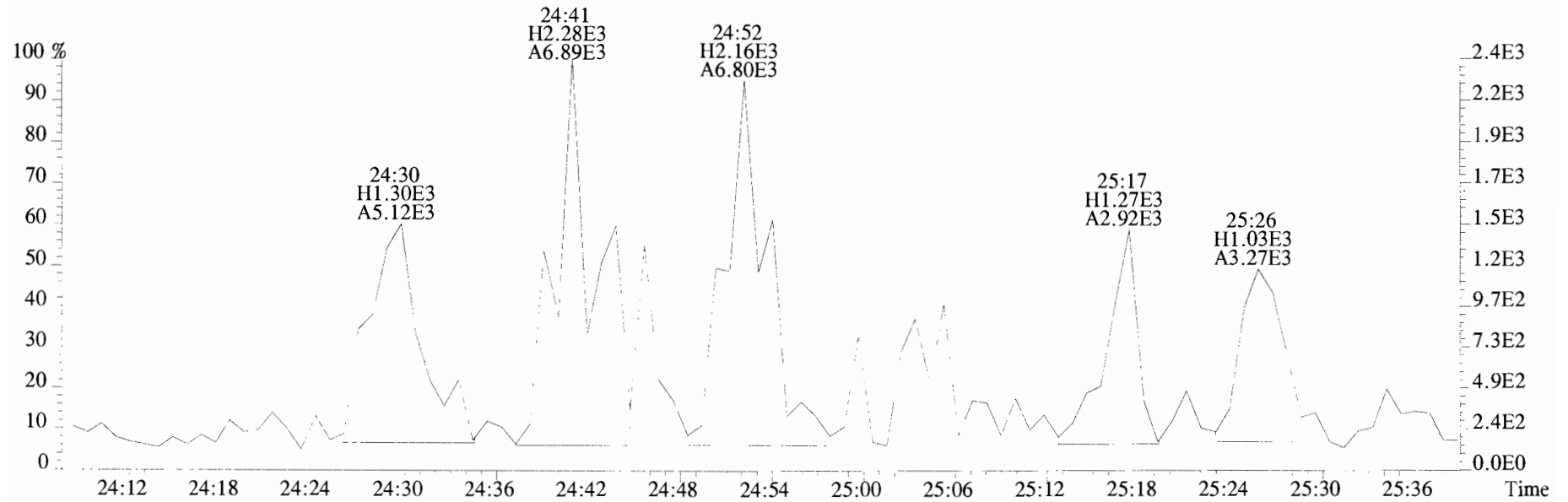
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



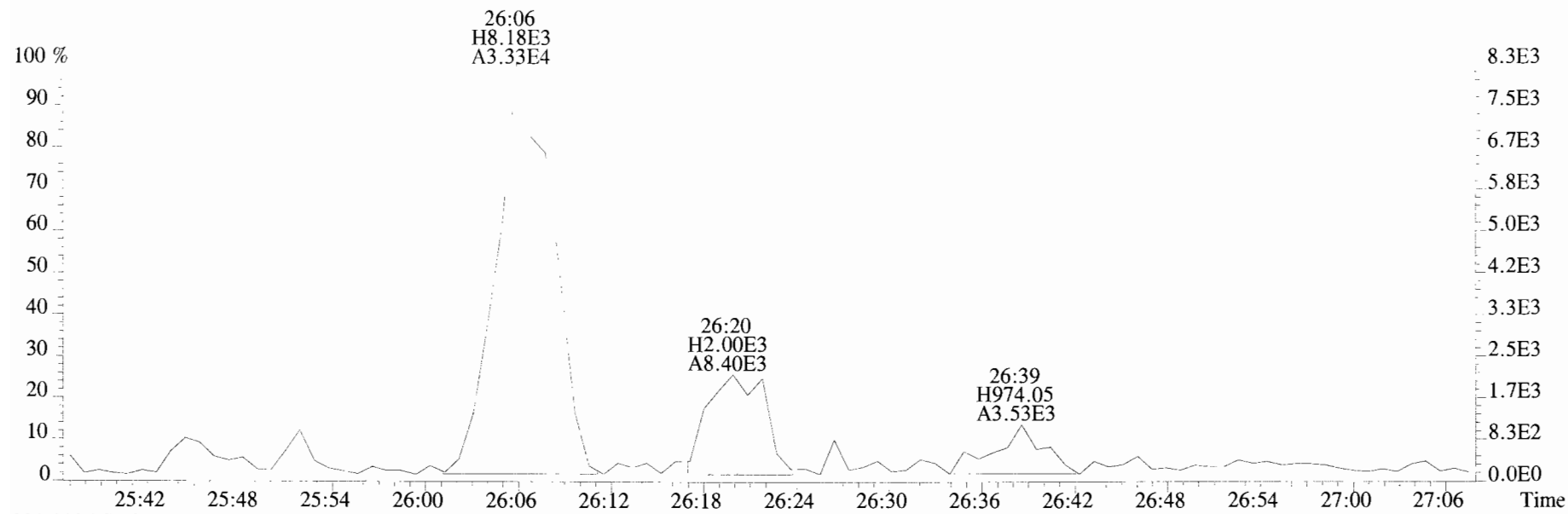
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 Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9I0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



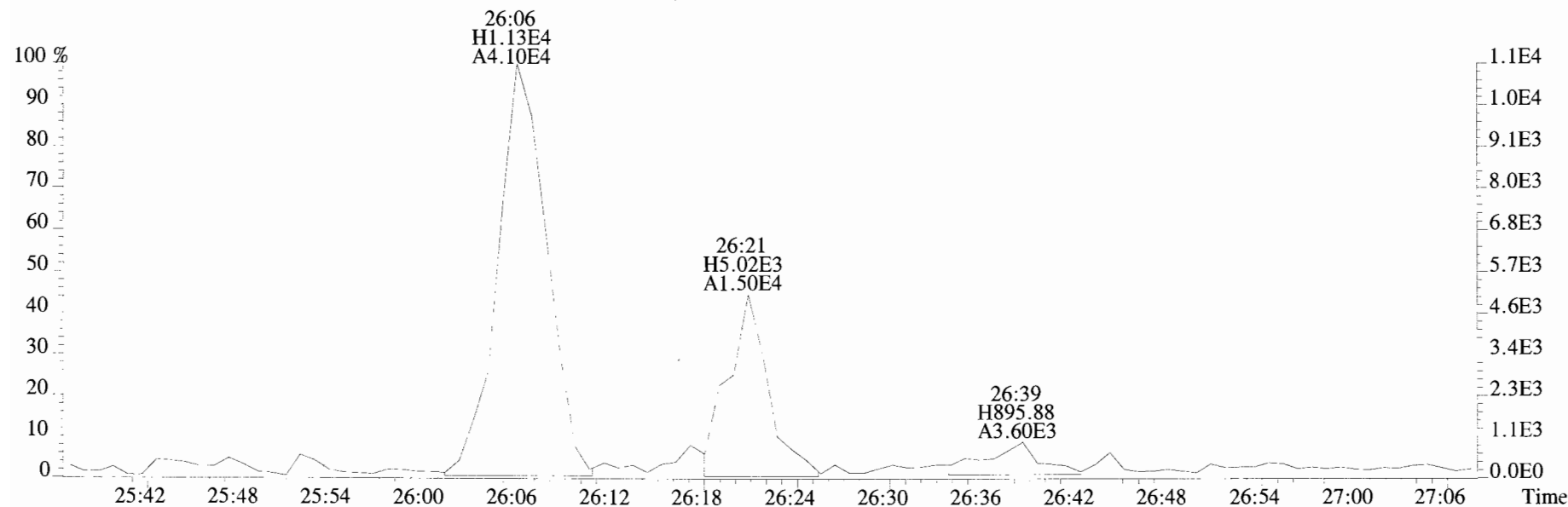
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



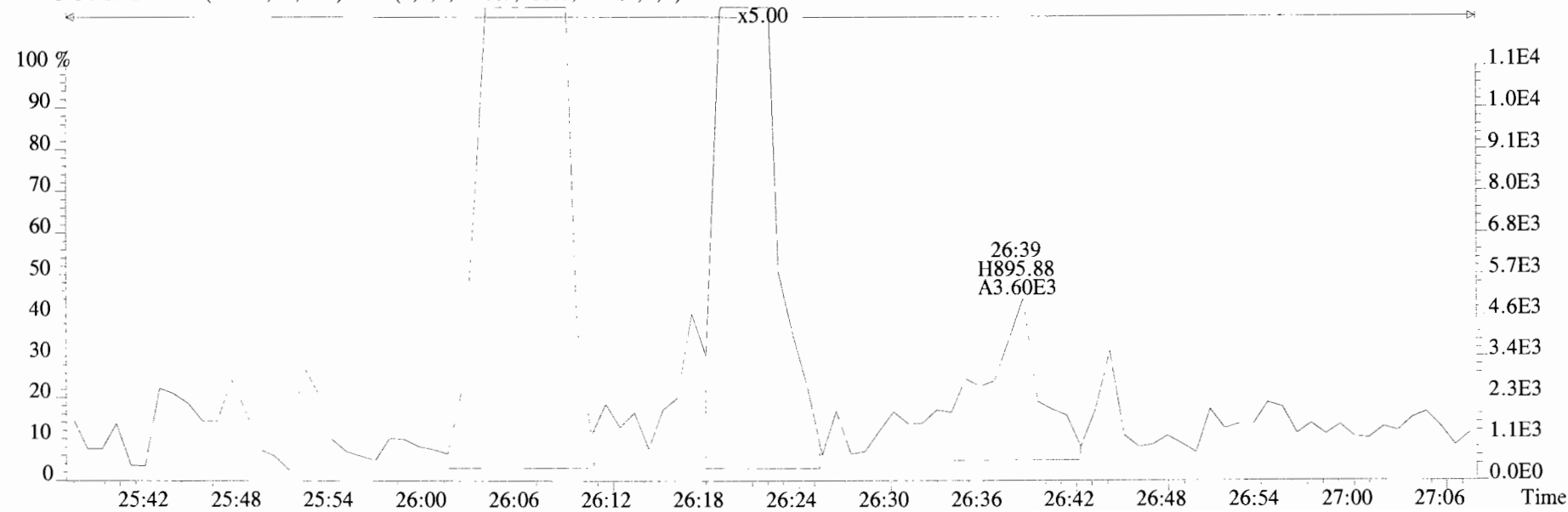
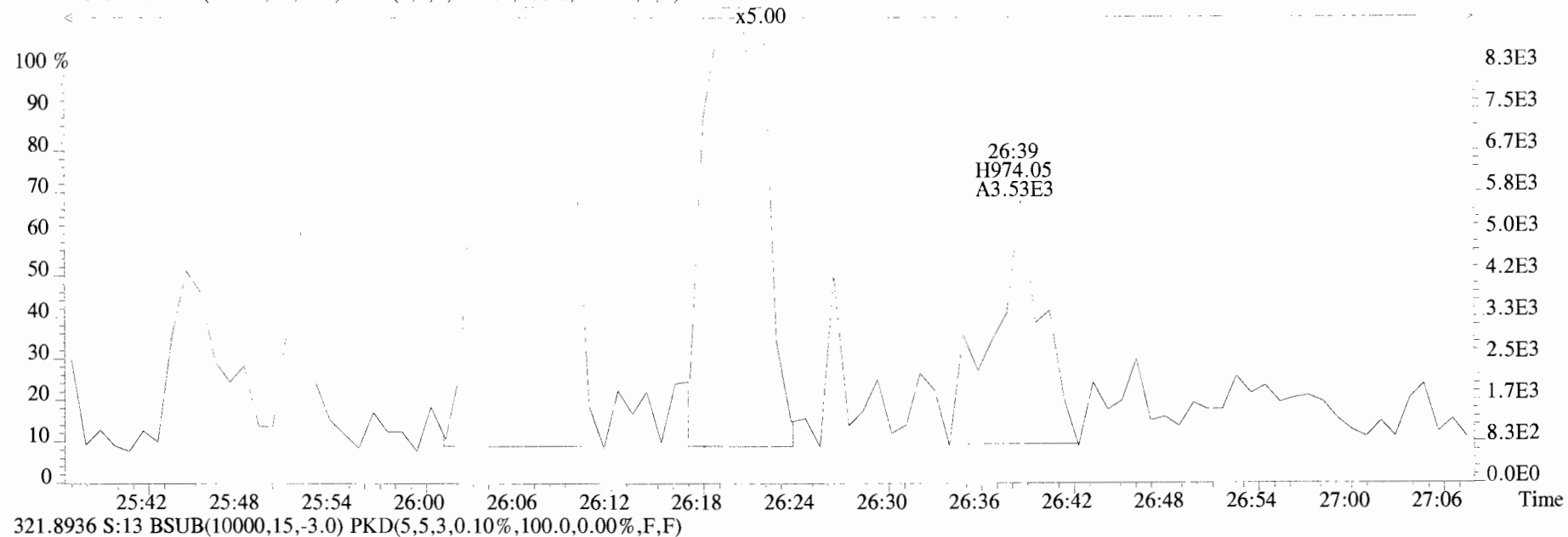
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



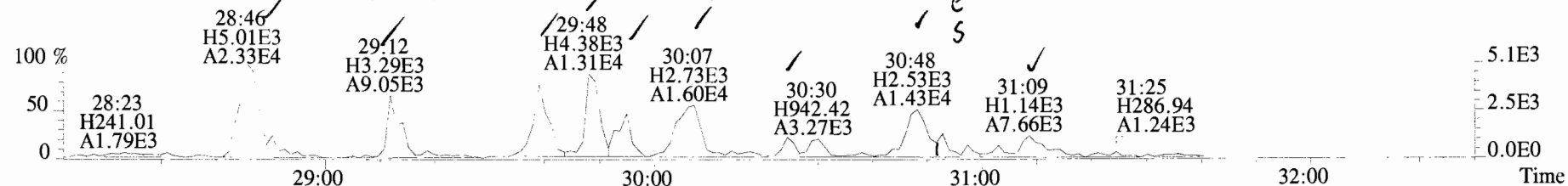
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



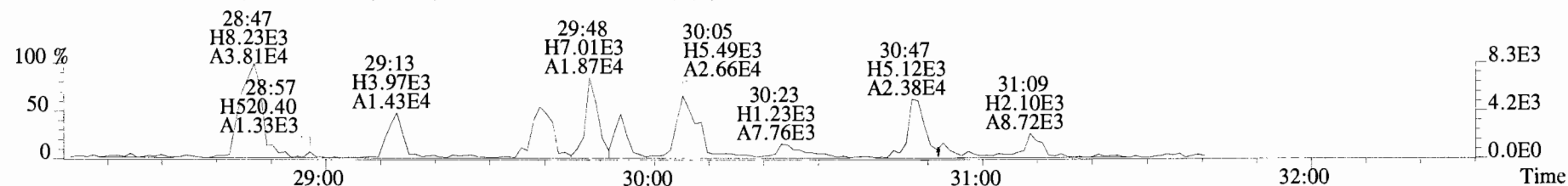
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



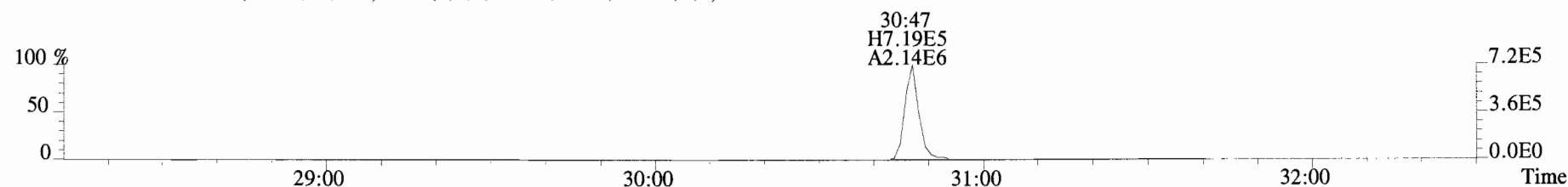
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



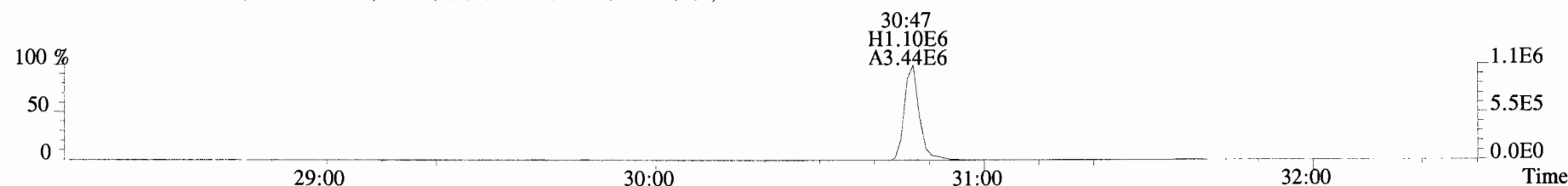
355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



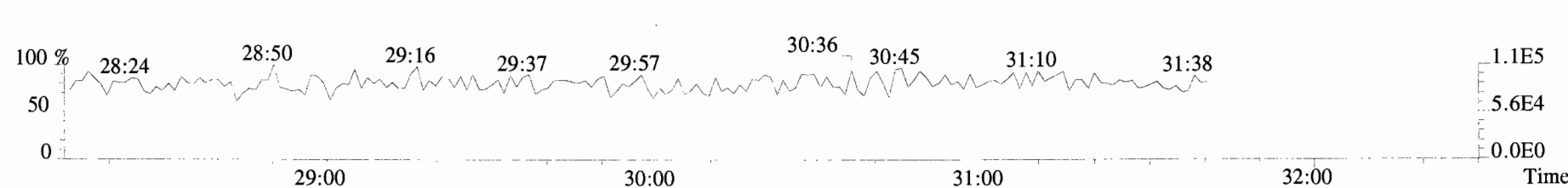
365.8978 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



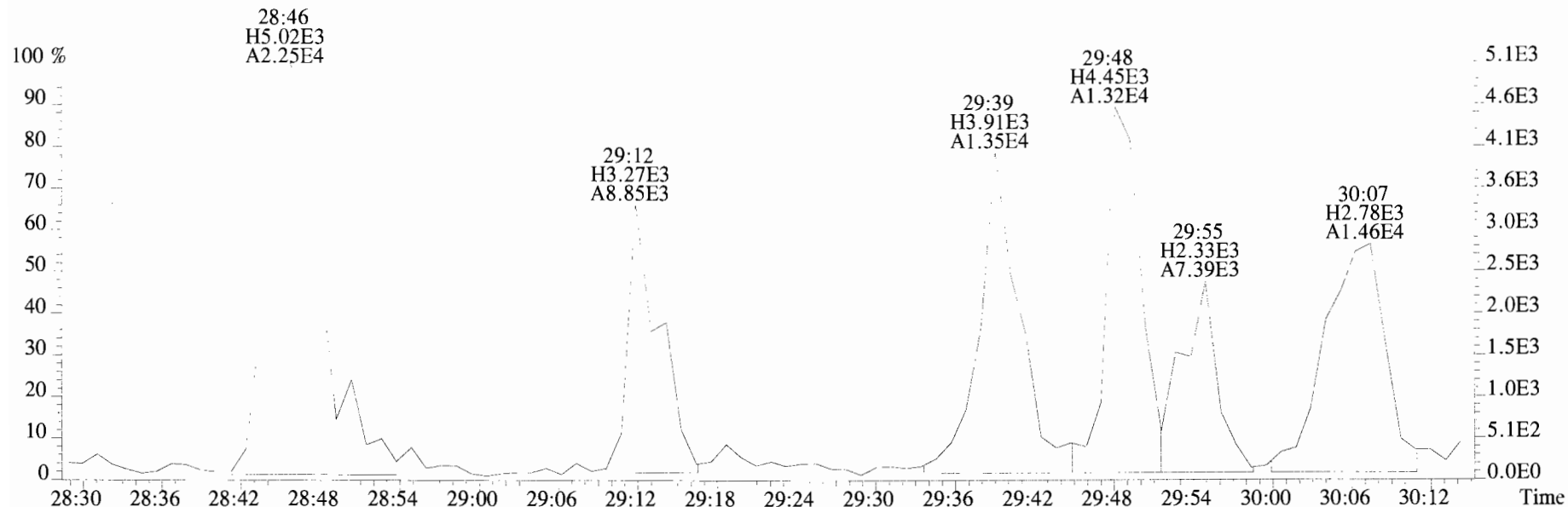
367.8949 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



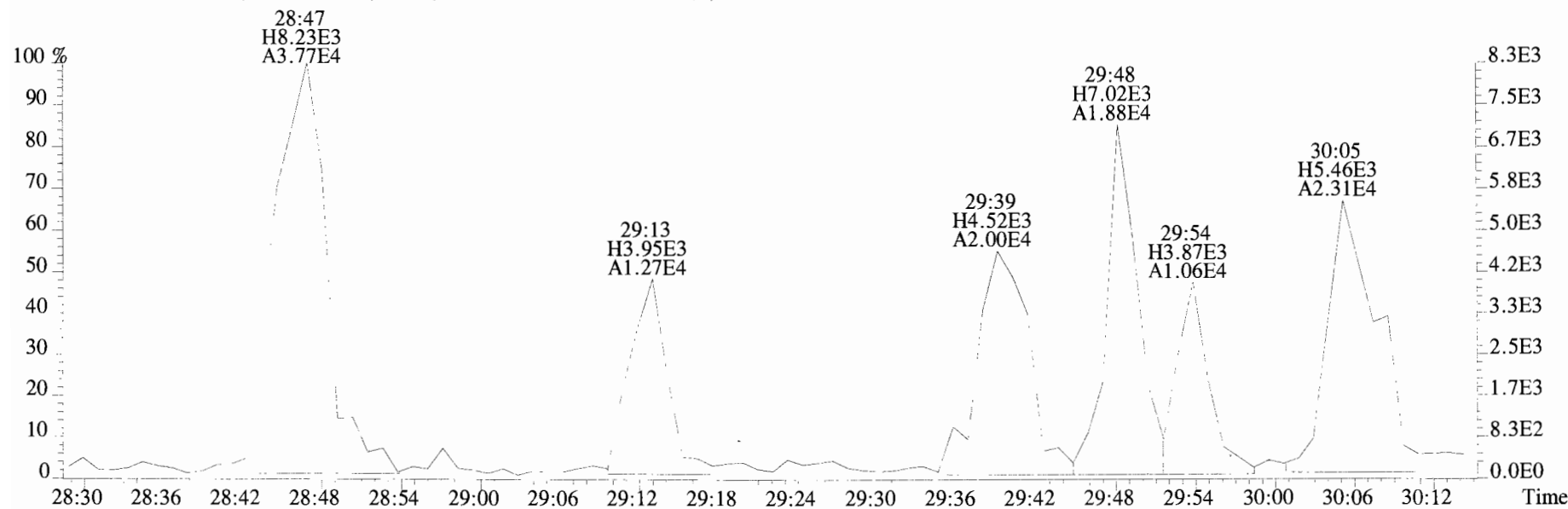
366.9792 S:13 F:2



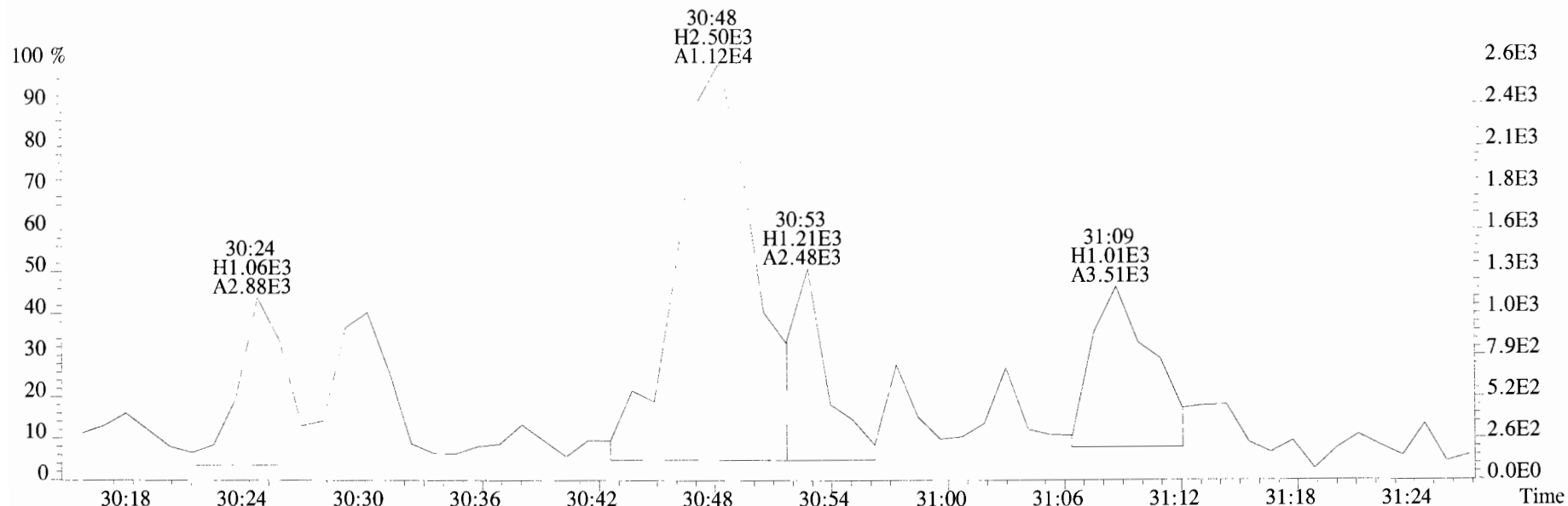
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



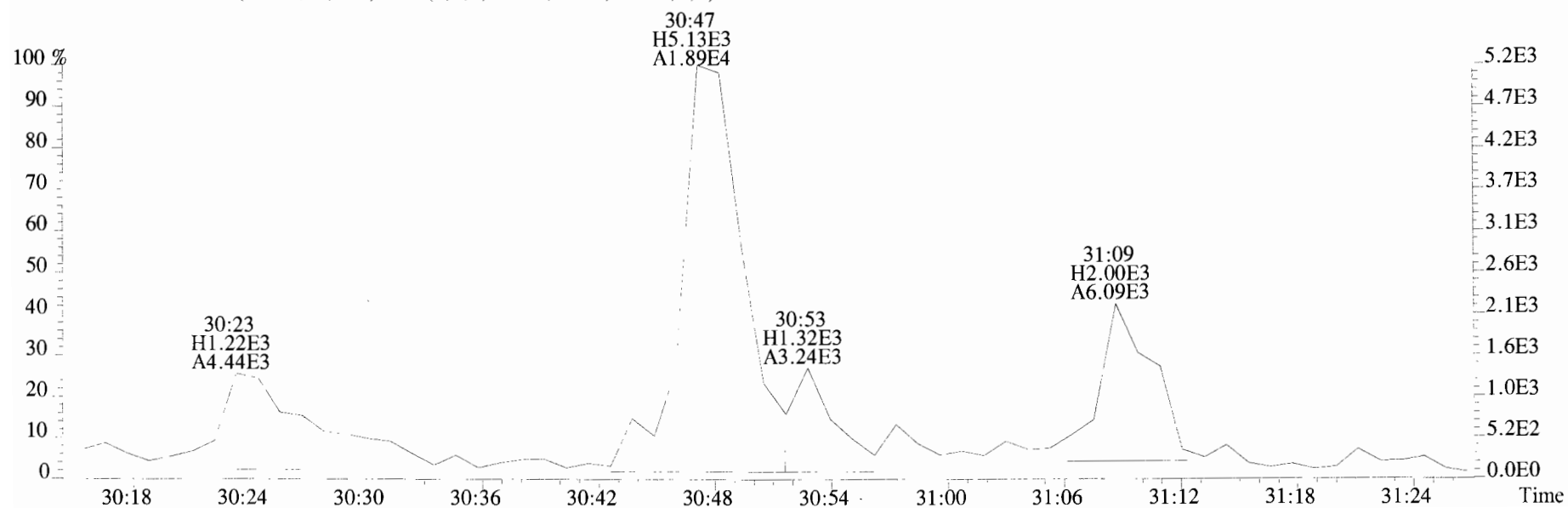
355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



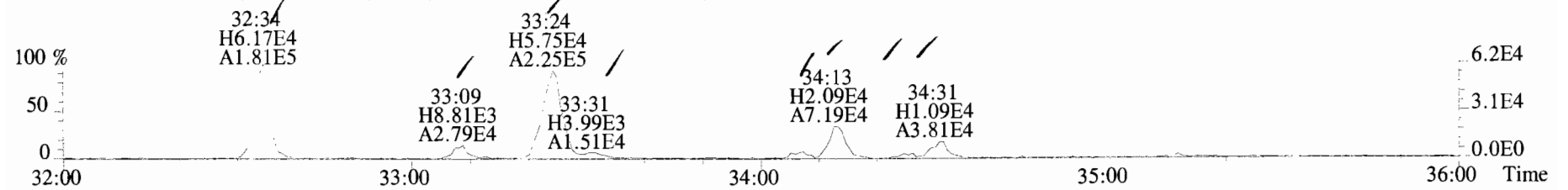
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



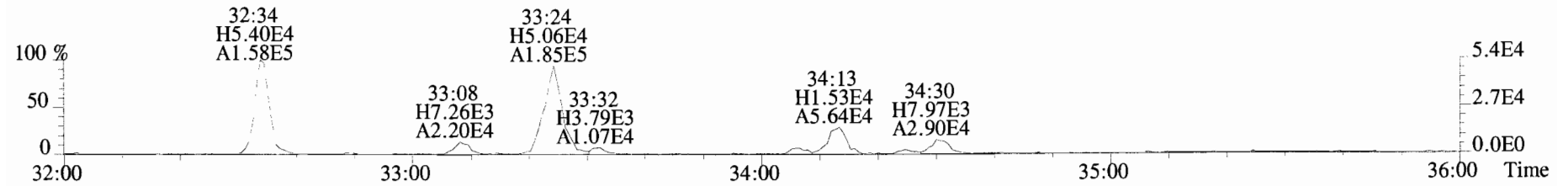
355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



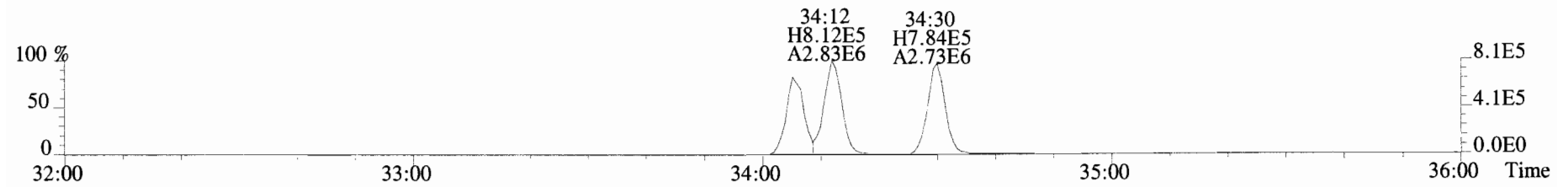
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



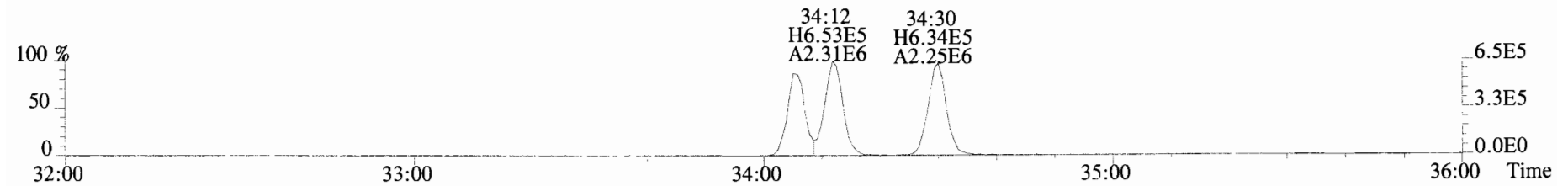
391.8127 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



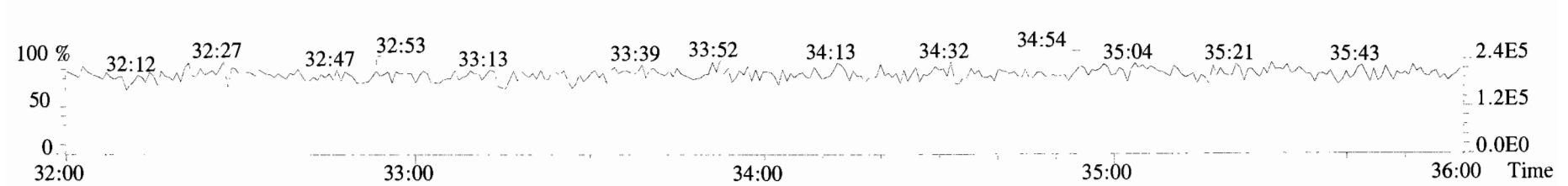
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



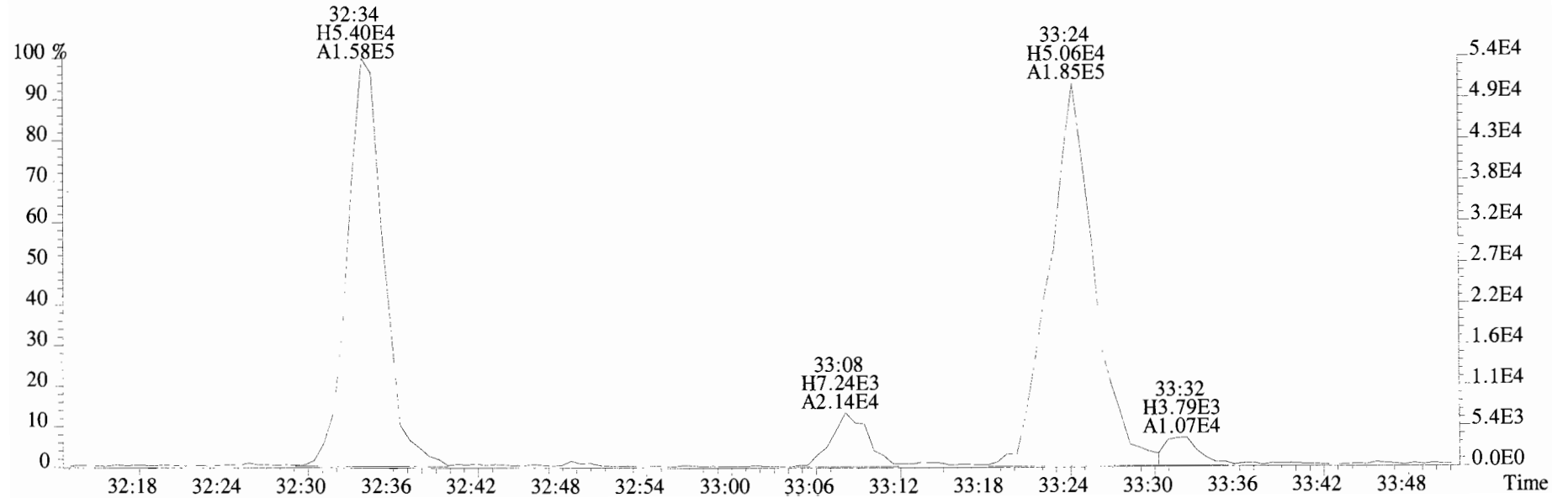
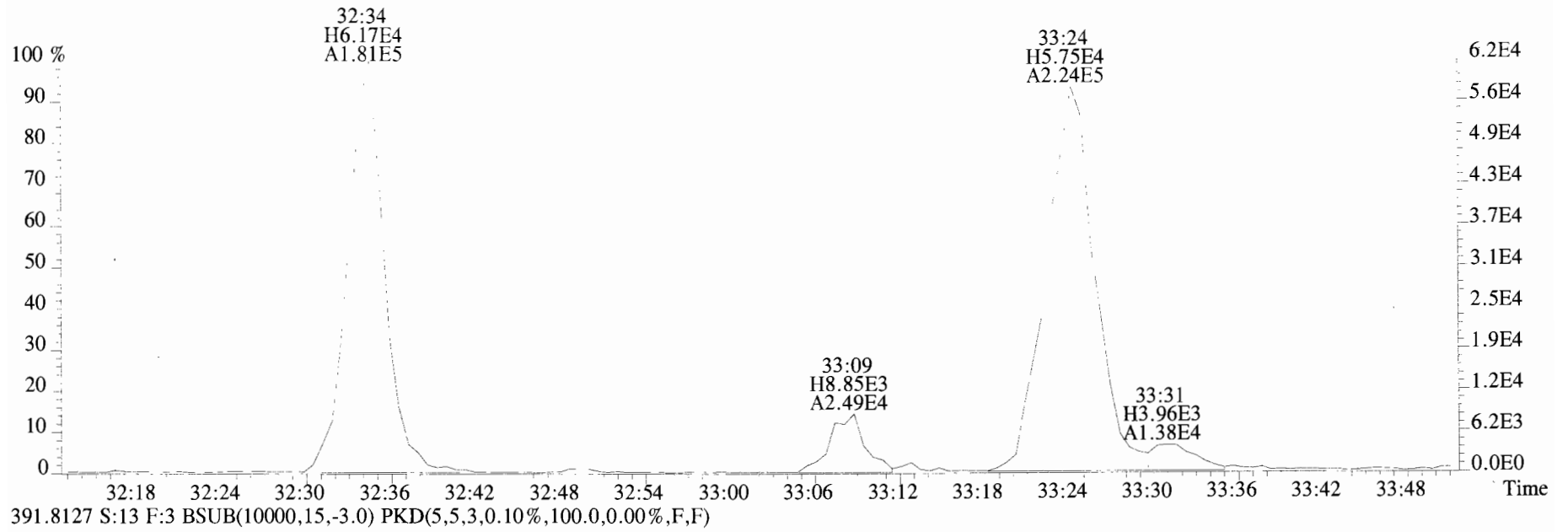
403.8530 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



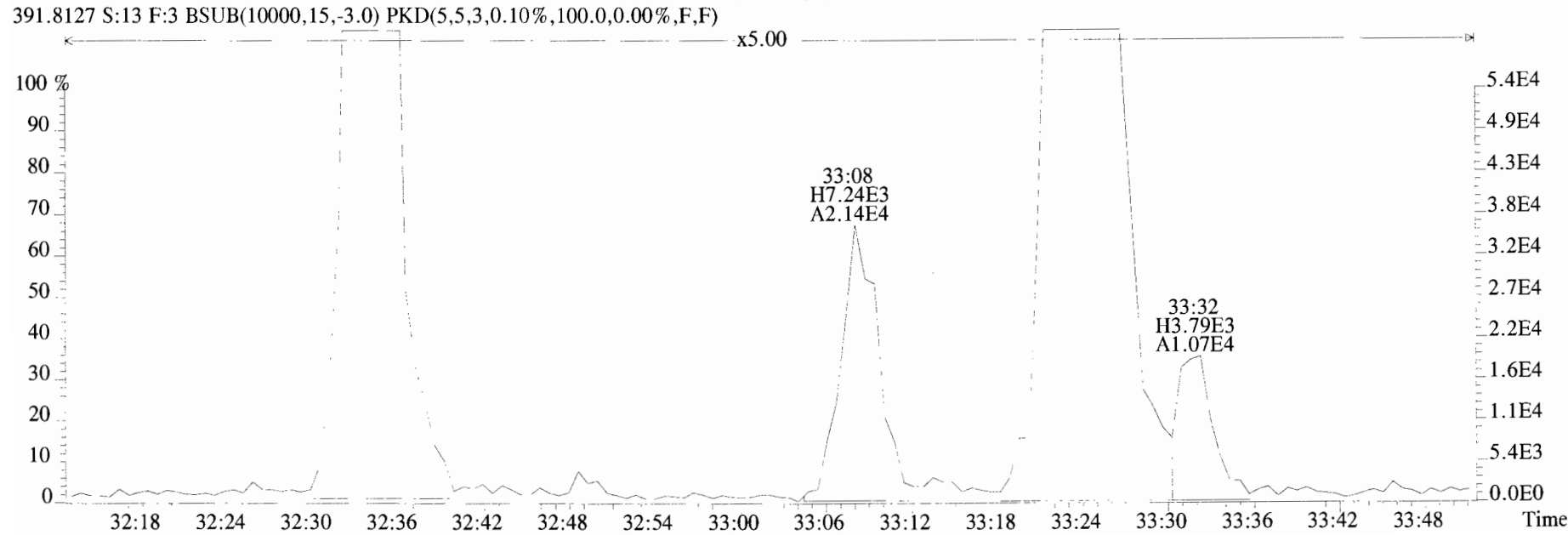
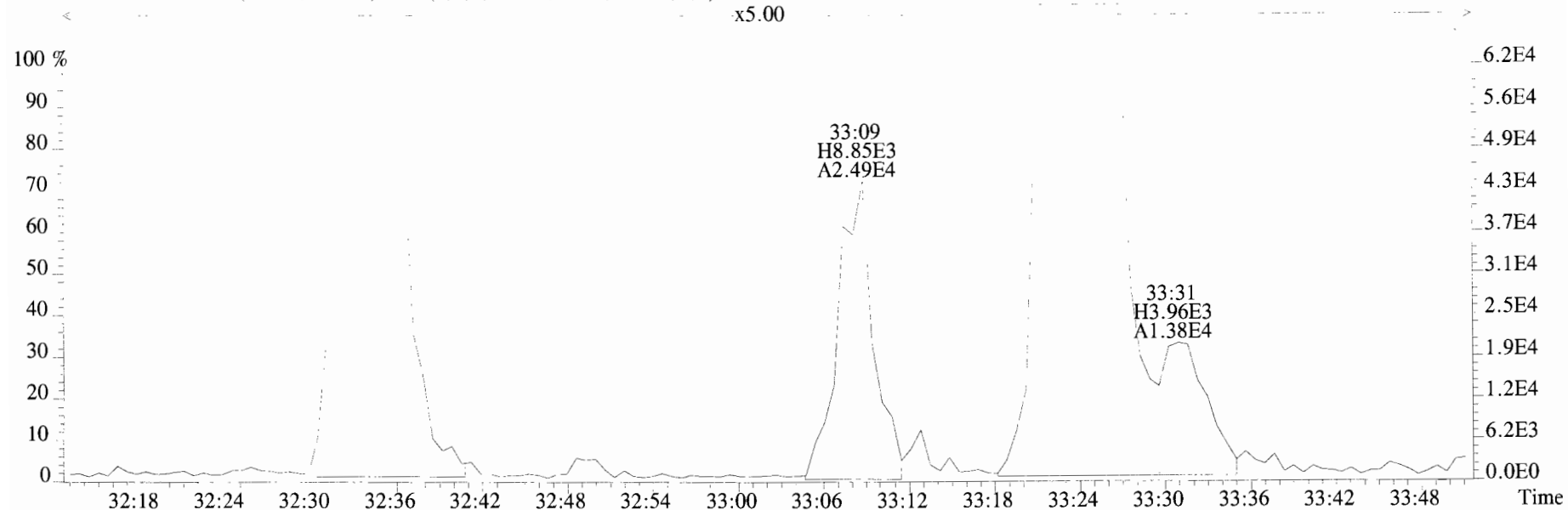
392.9760 S:13 F:3



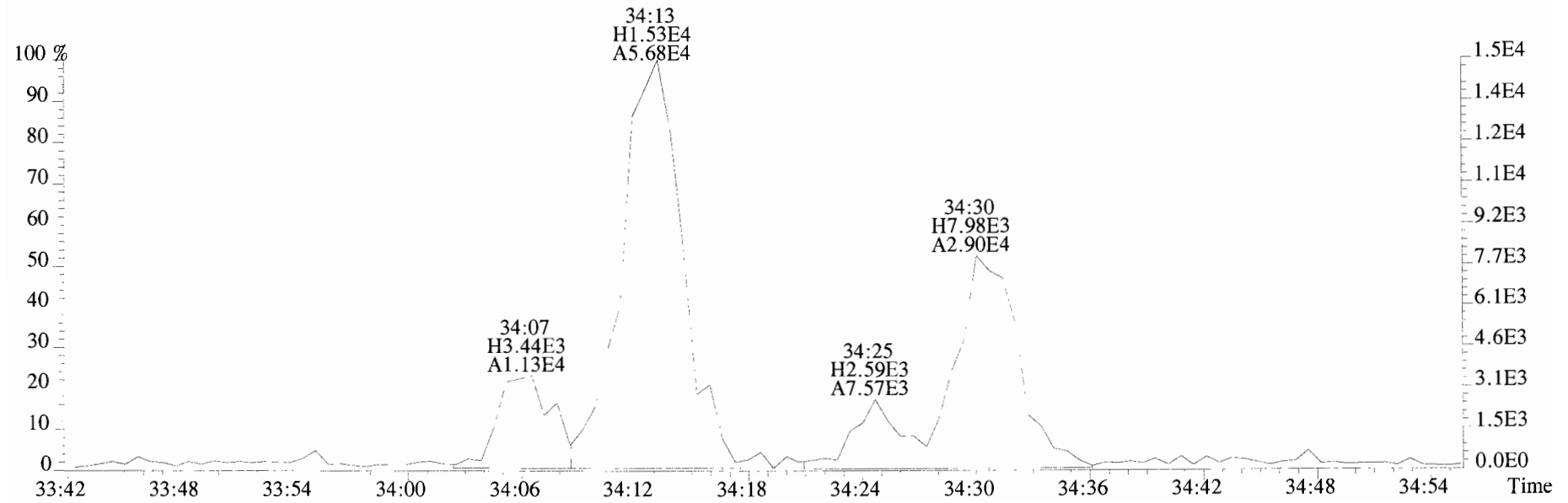
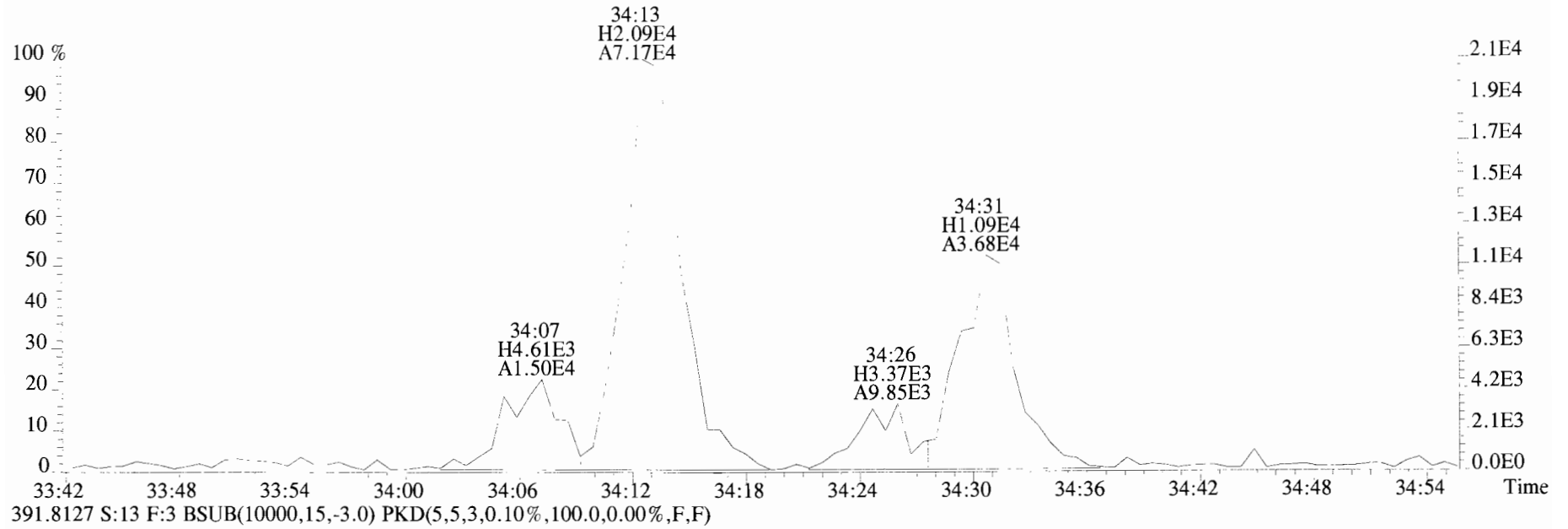
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



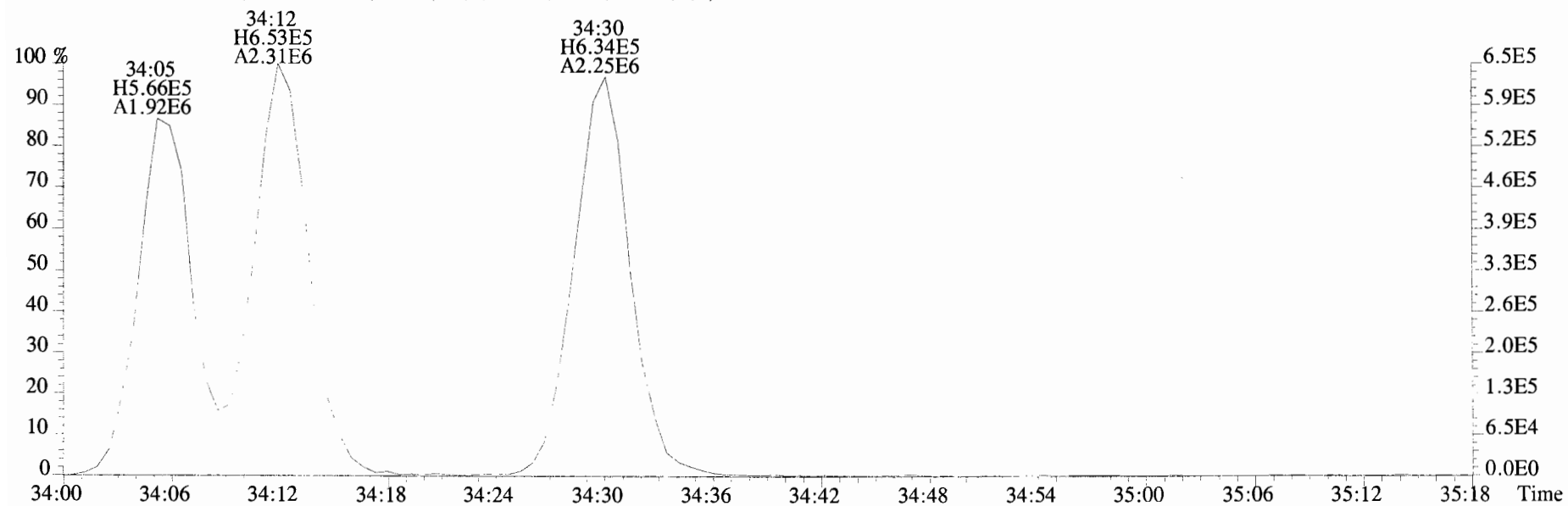
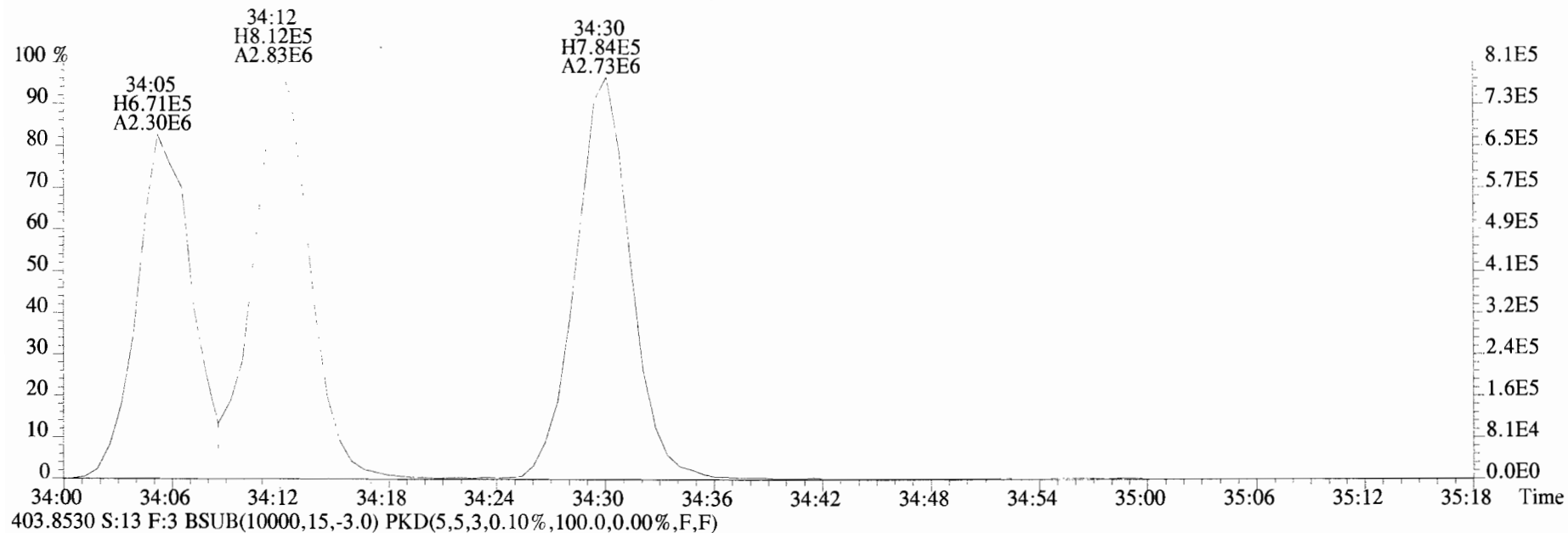
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



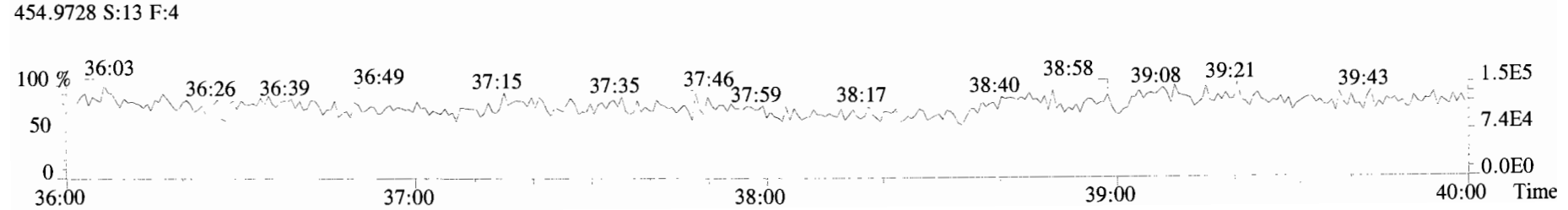
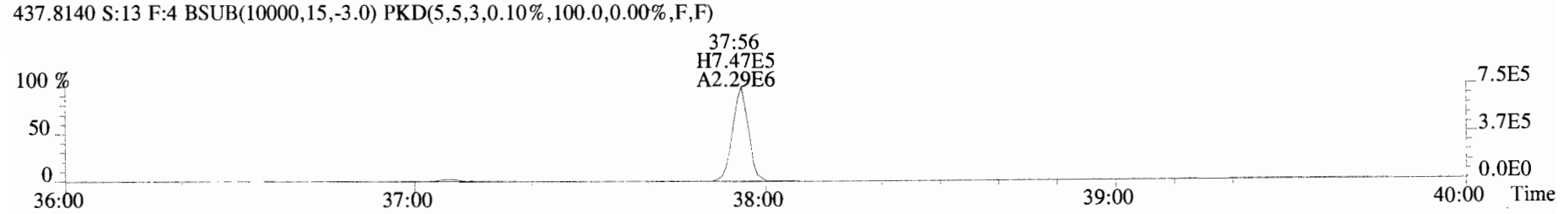
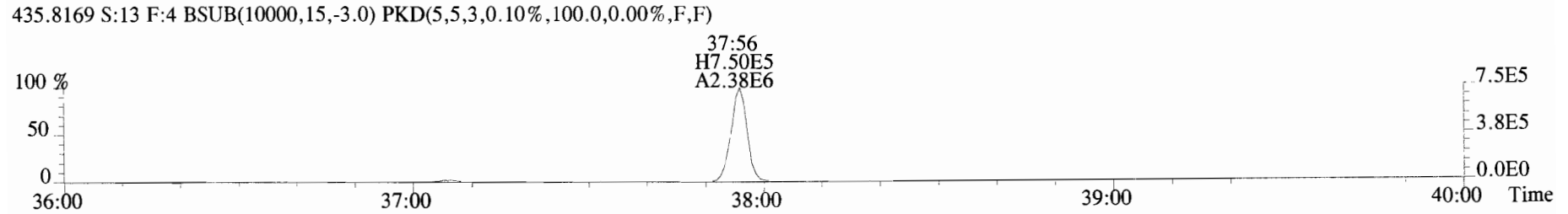
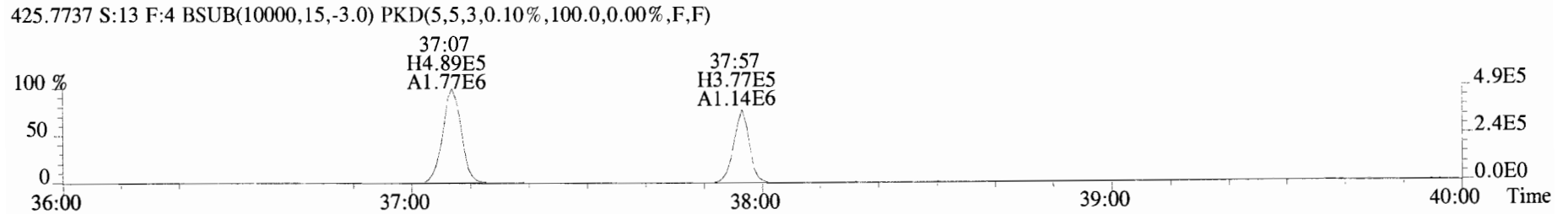
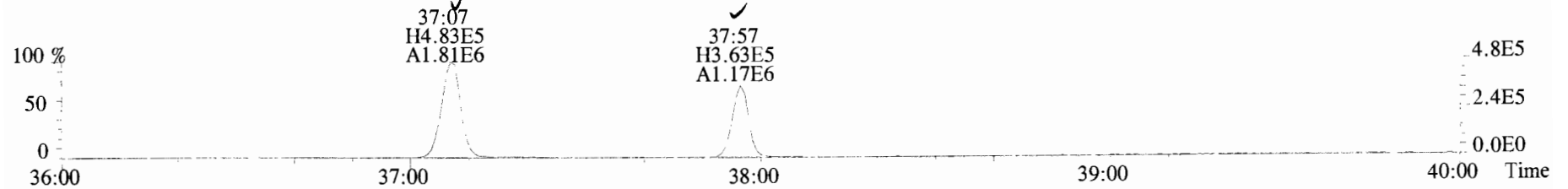
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



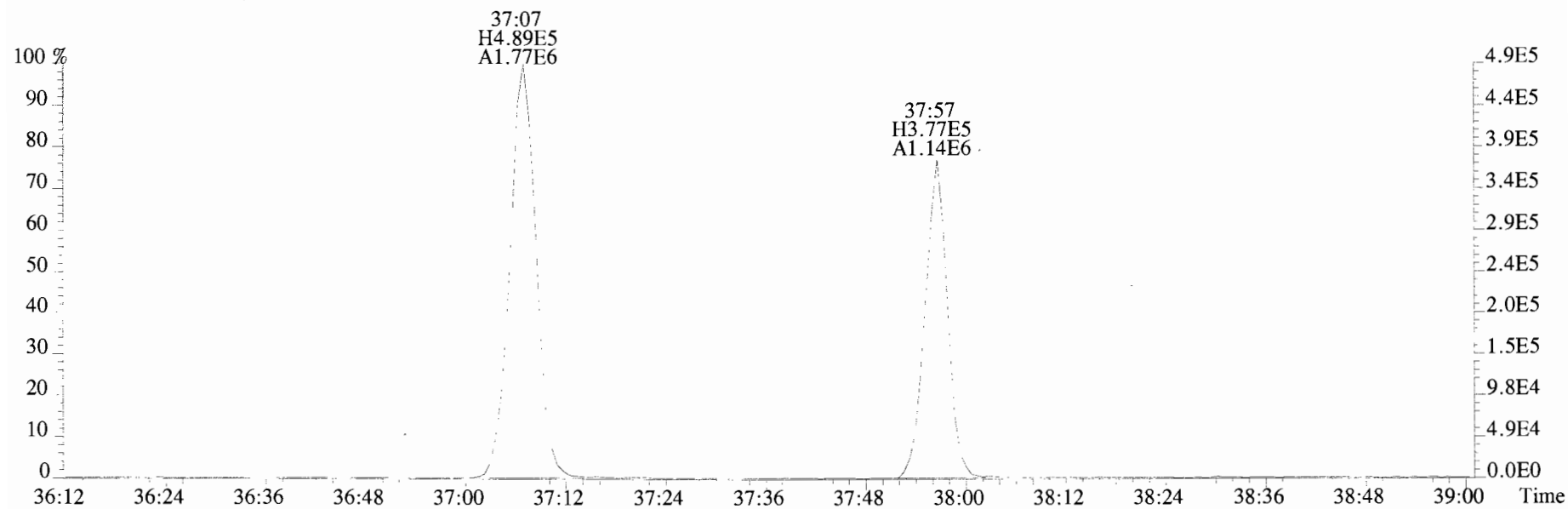
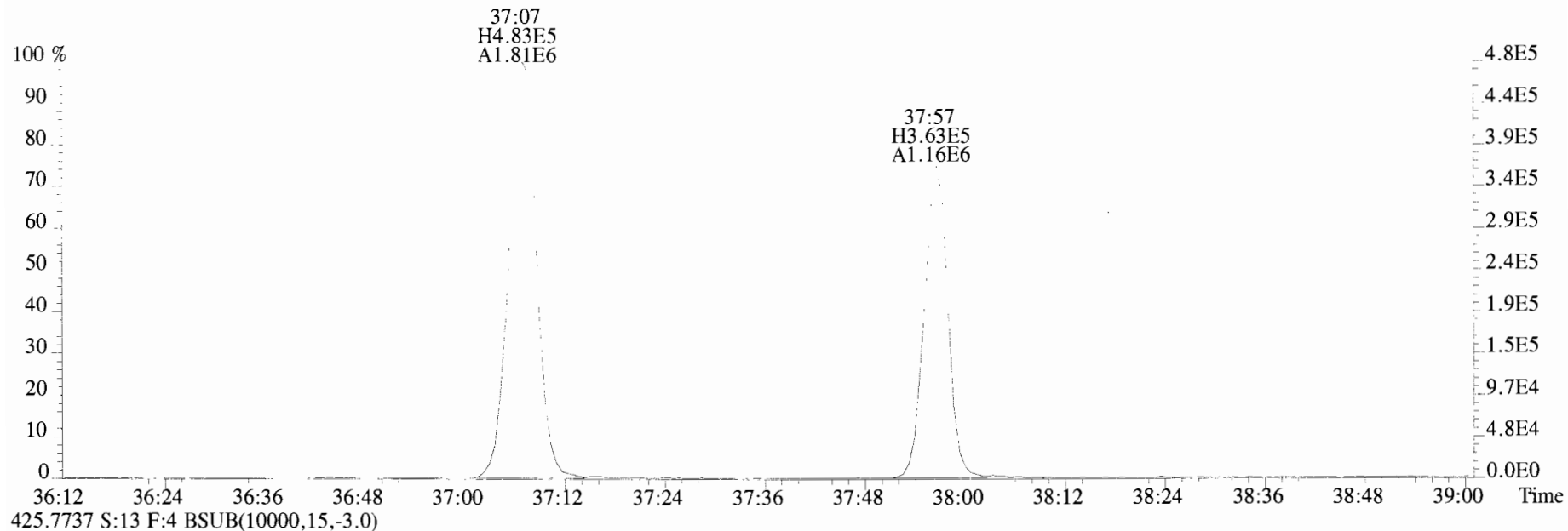
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



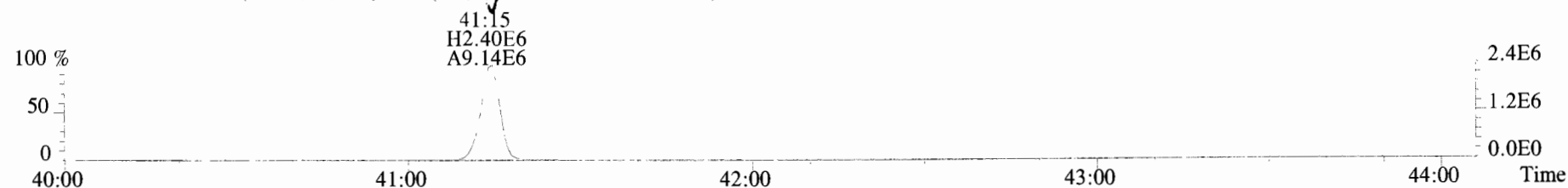
File:191016D2 #1-356 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



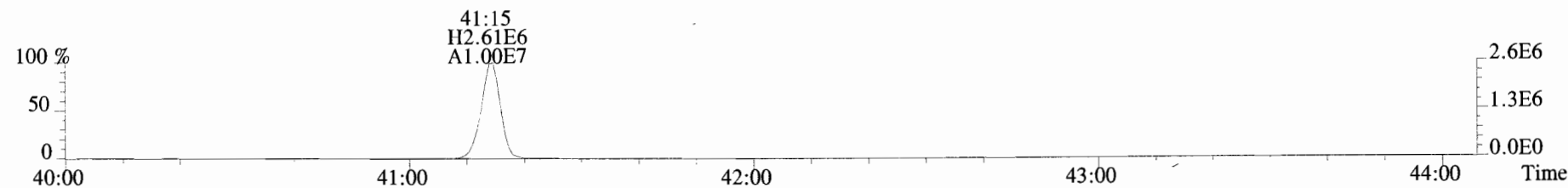
File:191016D2 #1-356 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9I0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
423.7767 S:13 F:4 BSUB(I0000,15,-3.0)



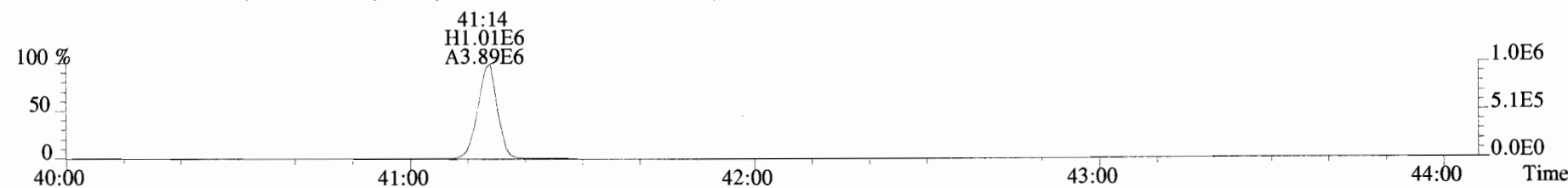
File:191016D2 #1-433 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
457.7377 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



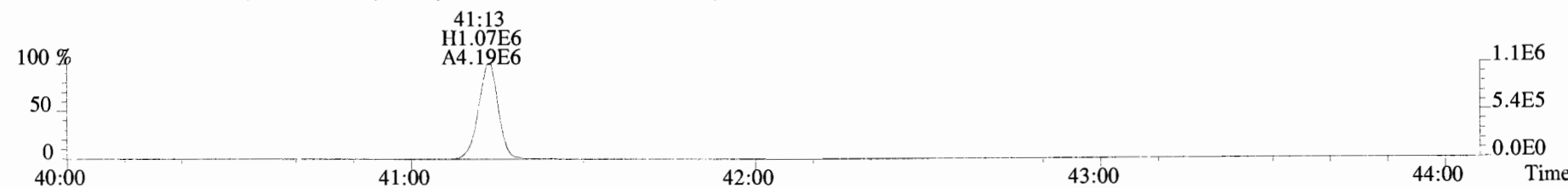
459.7348 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



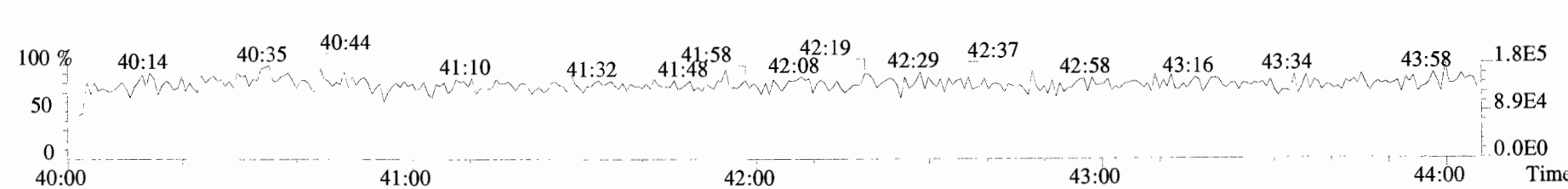
469.7780 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



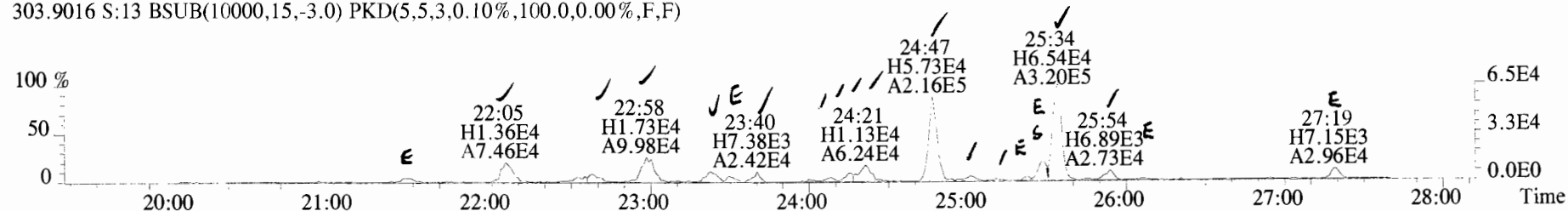
471.7750 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



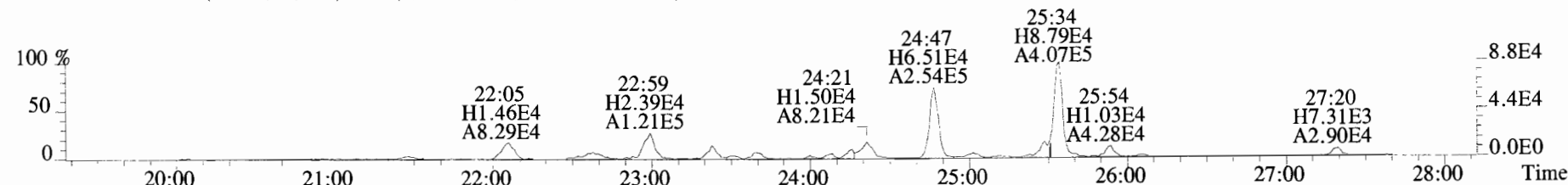
454.9728 S:13 F:5



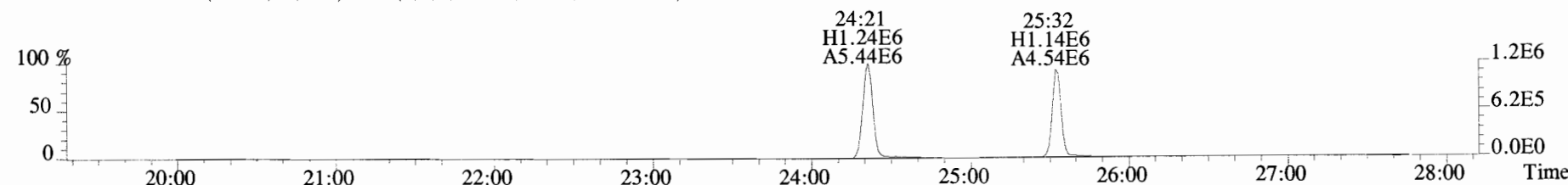
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



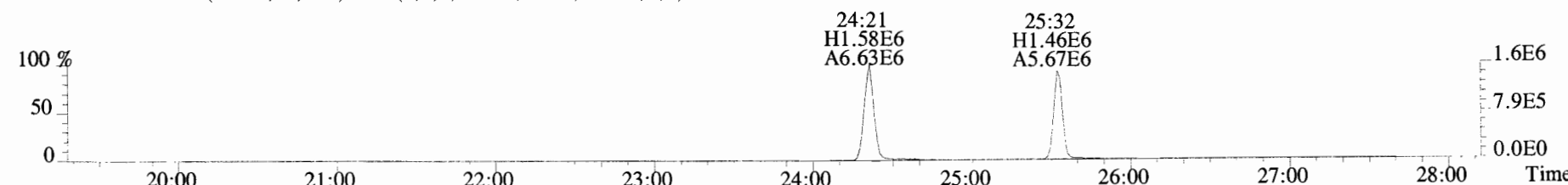
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



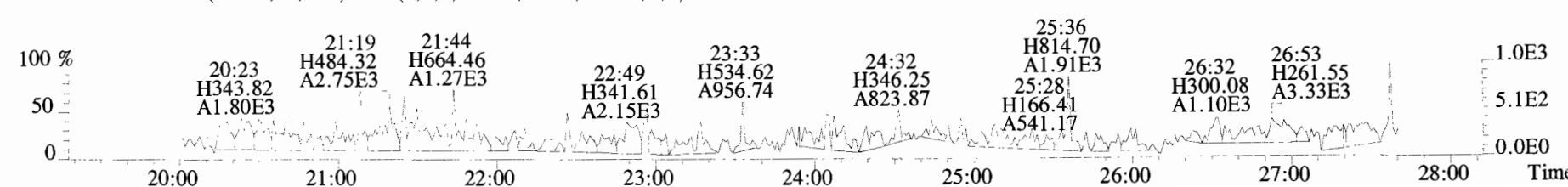
315.9419 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



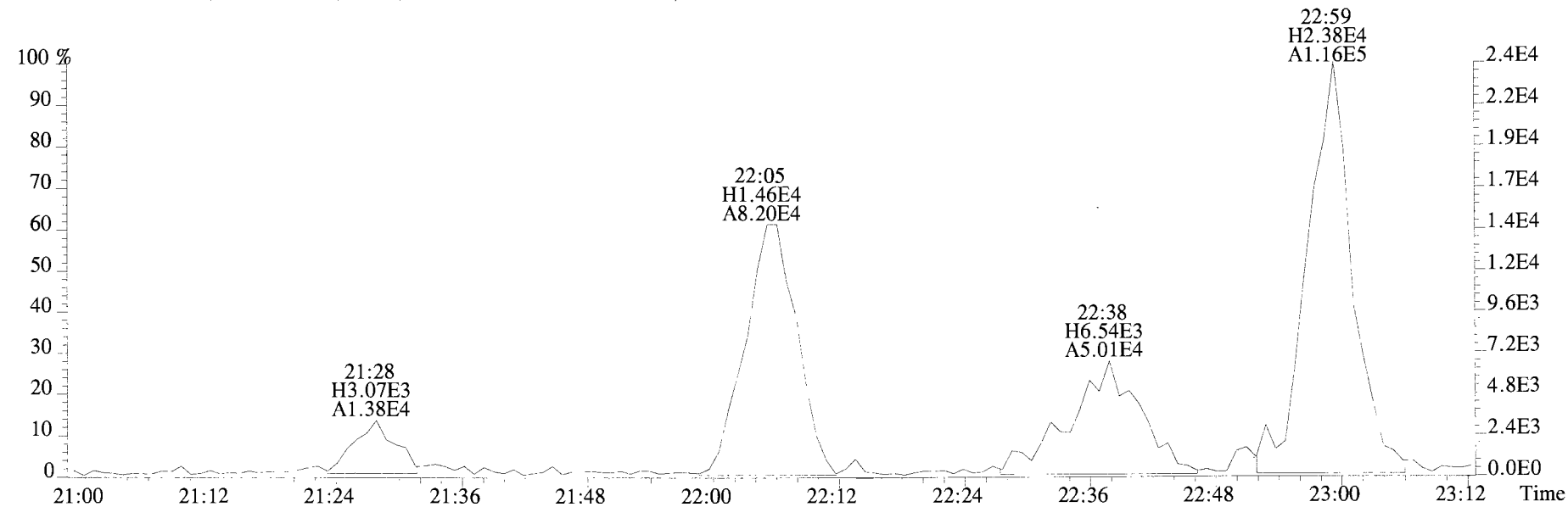
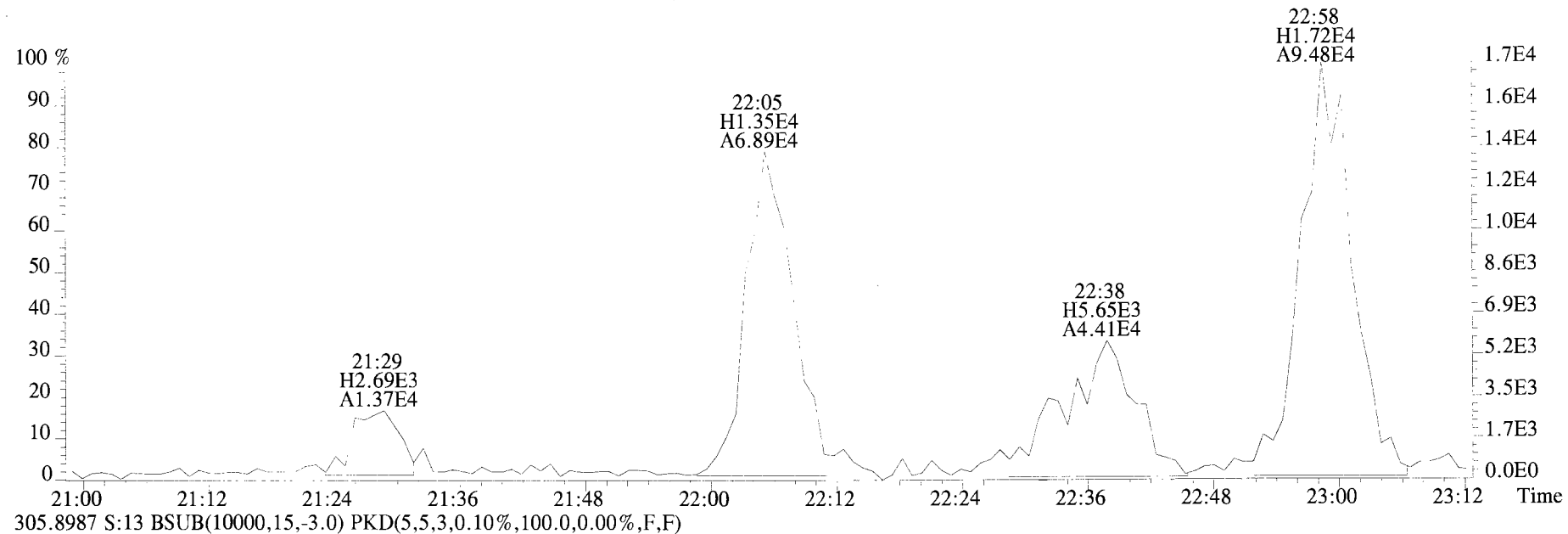
317.9389 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



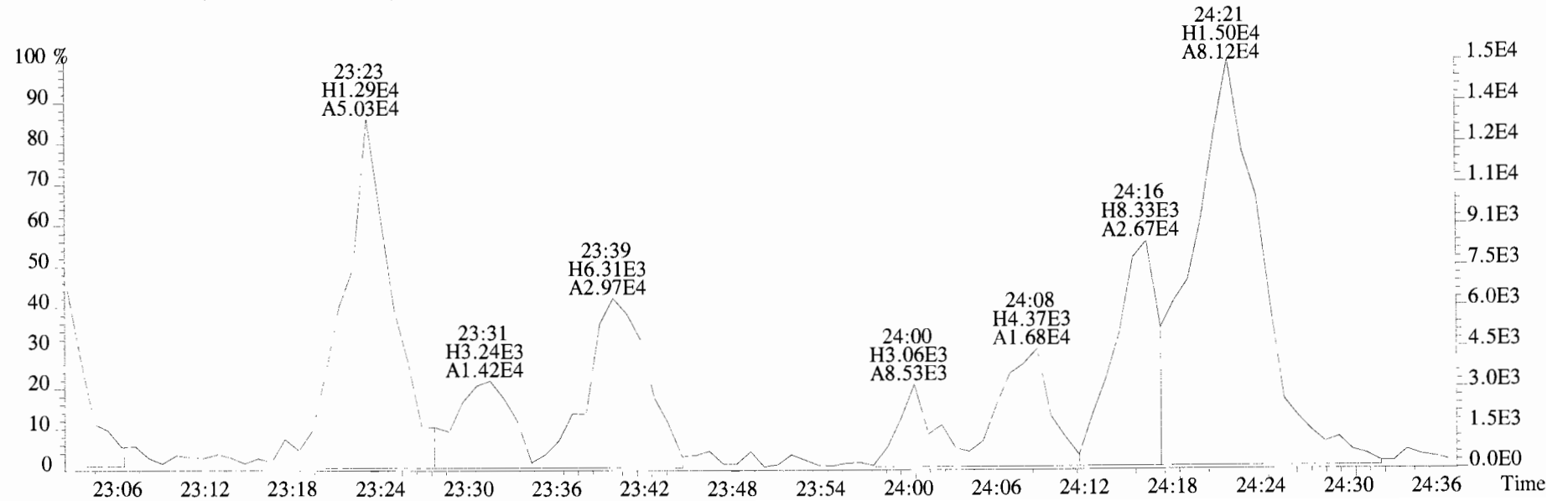
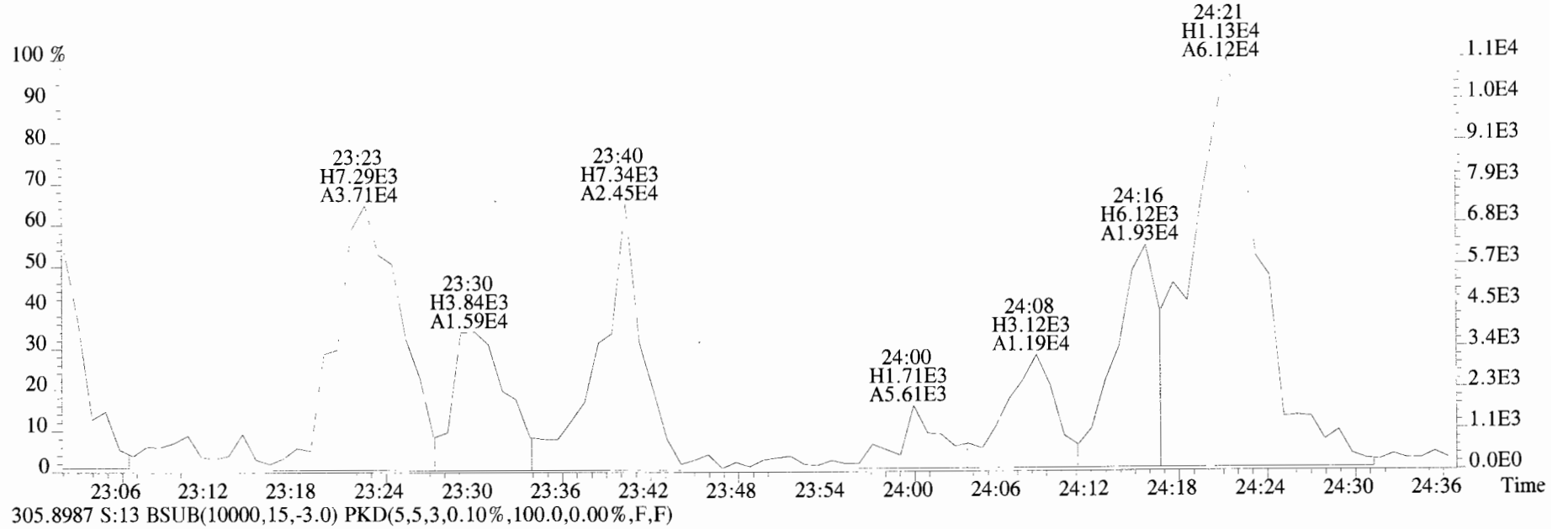
375.8364 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



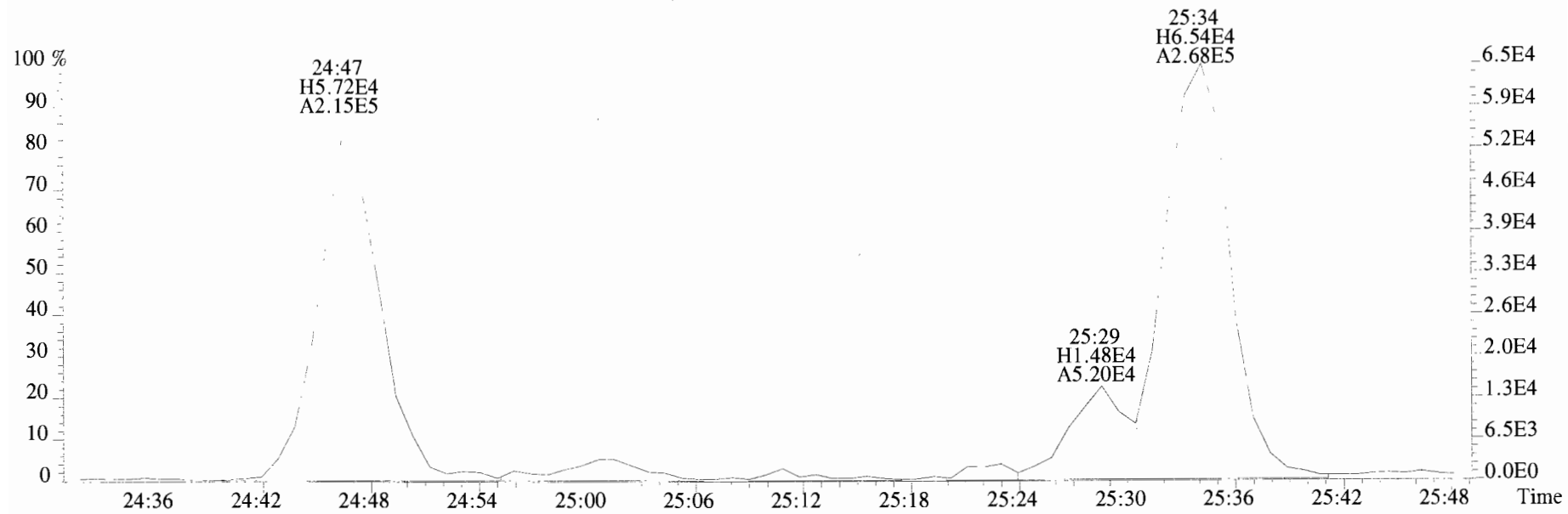
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



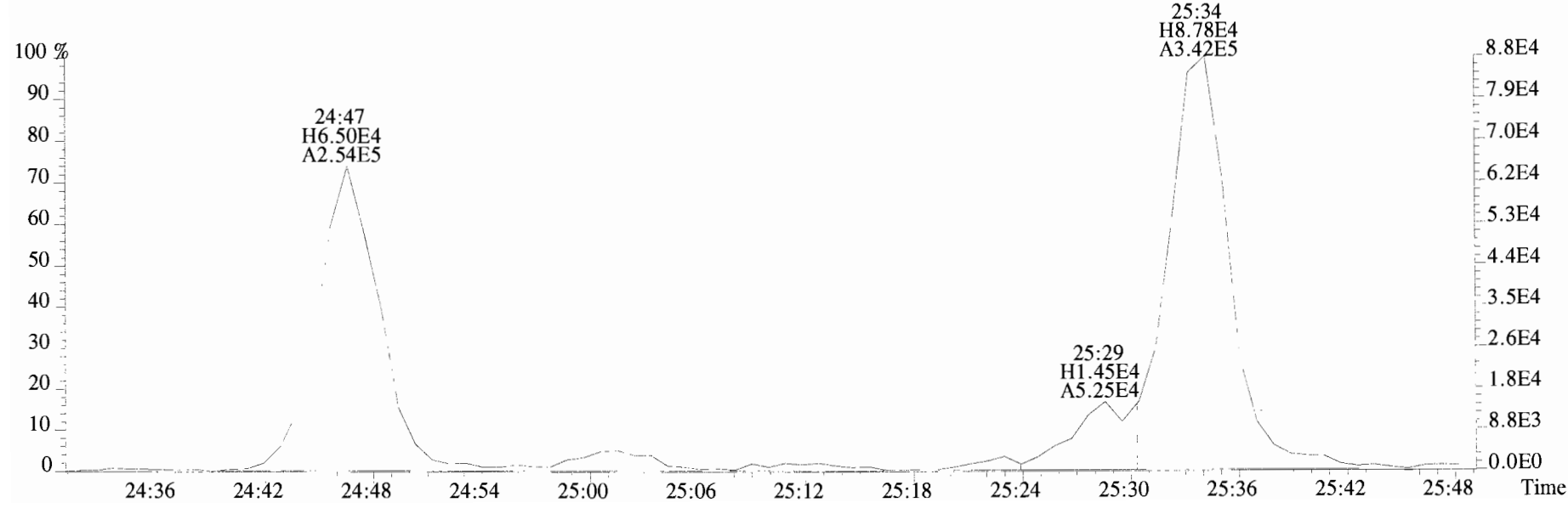
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



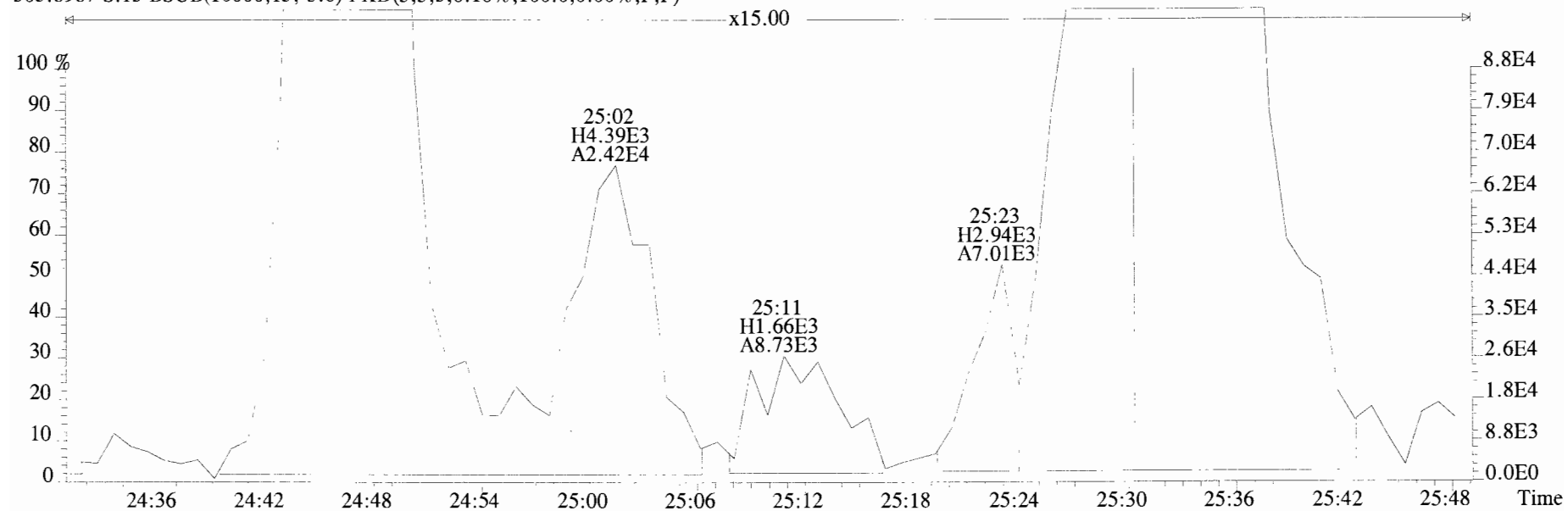
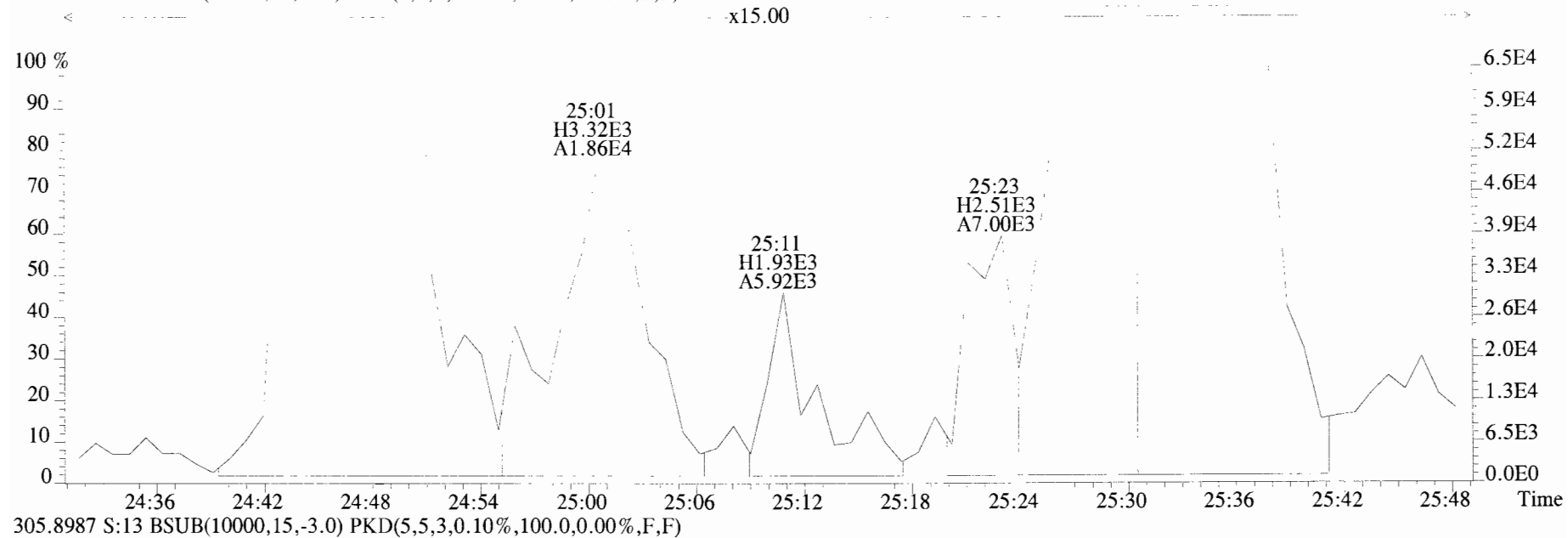
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



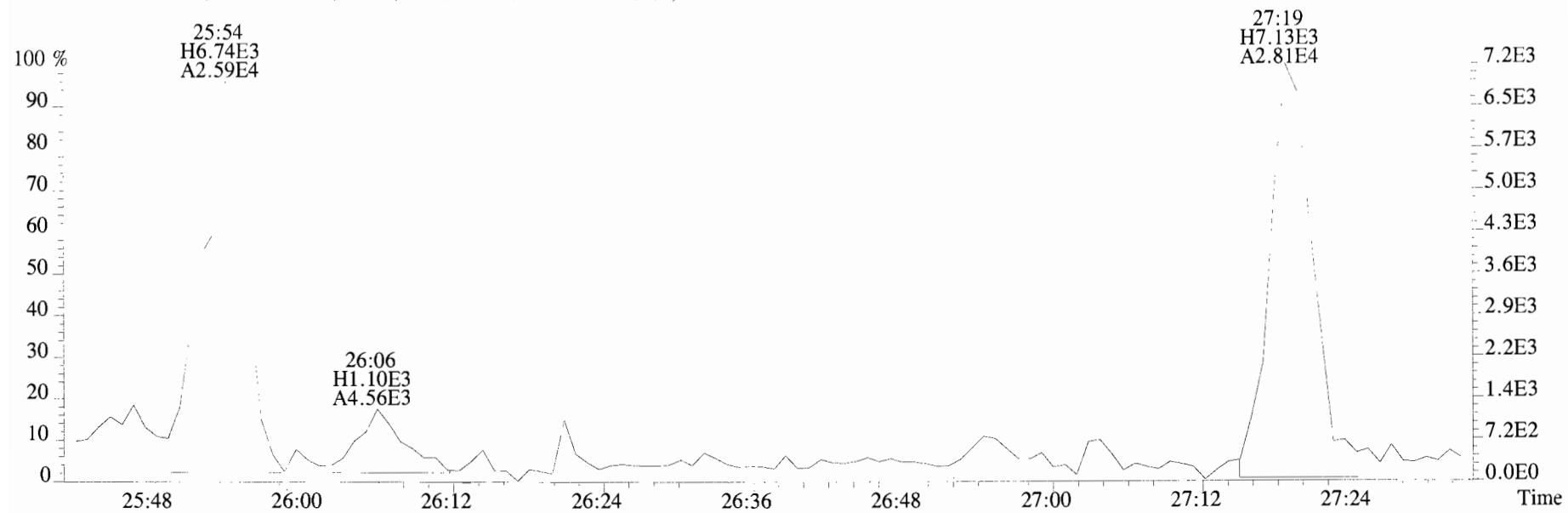
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



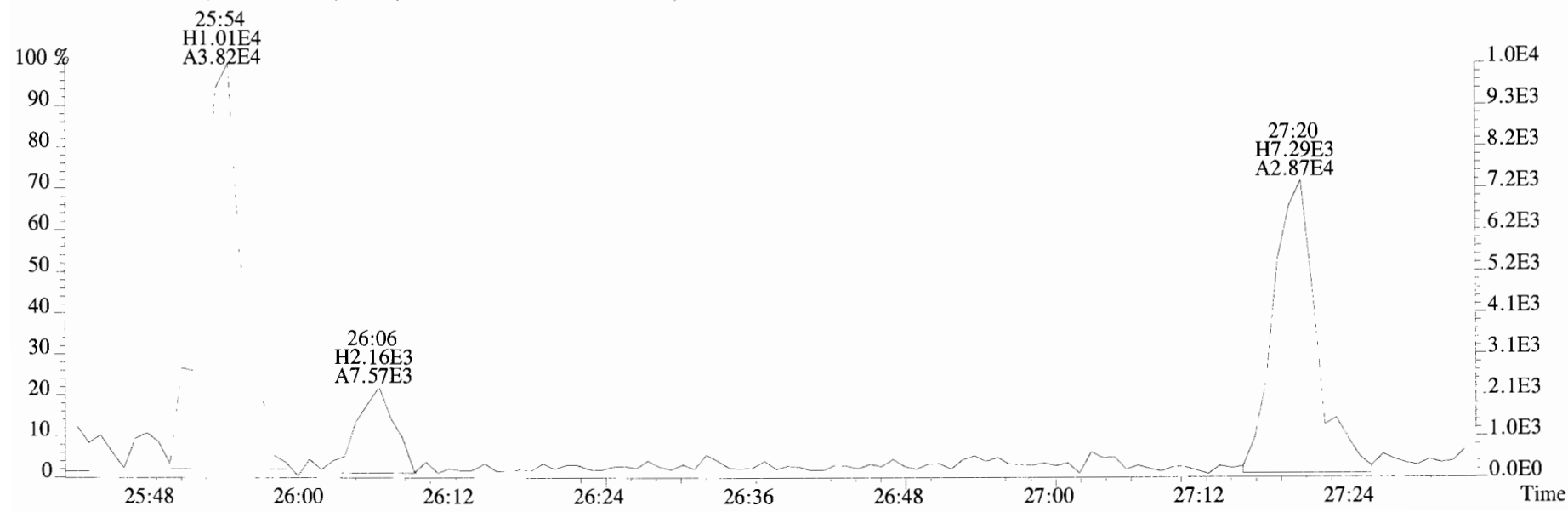
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



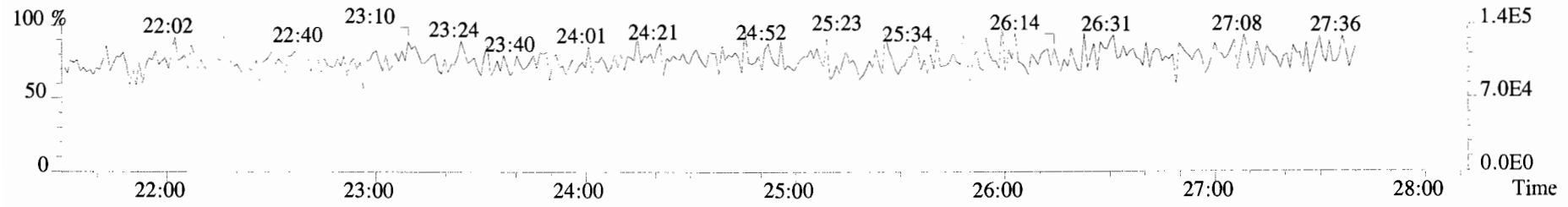
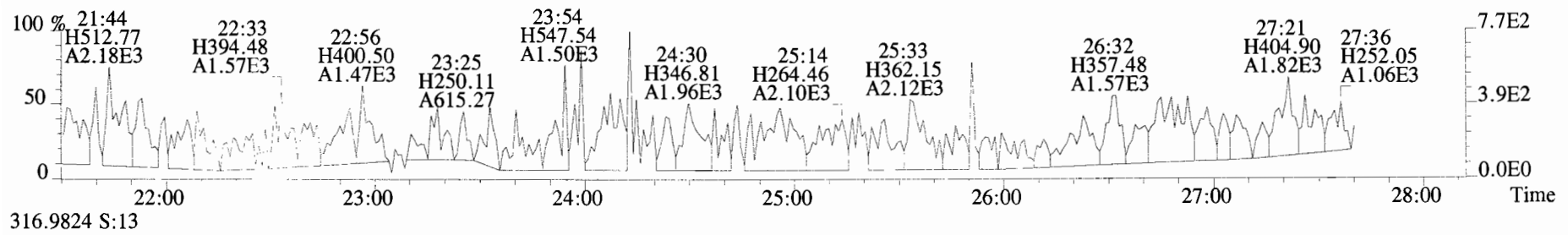
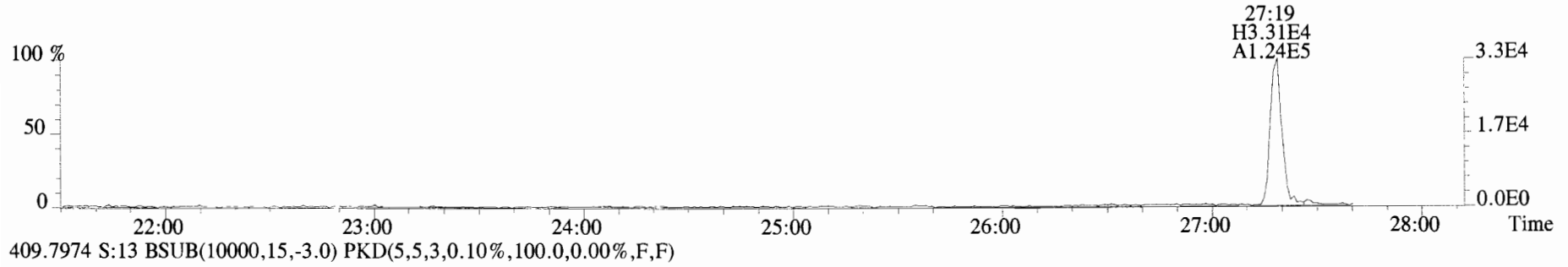
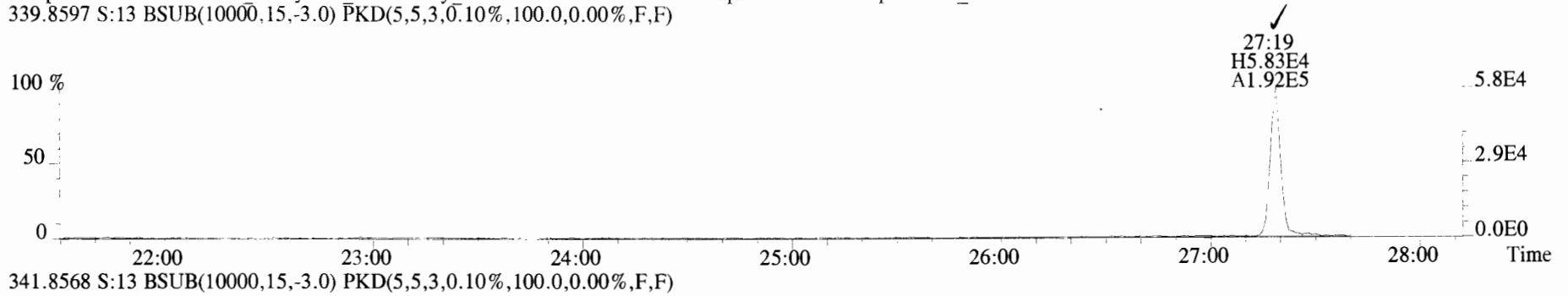
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



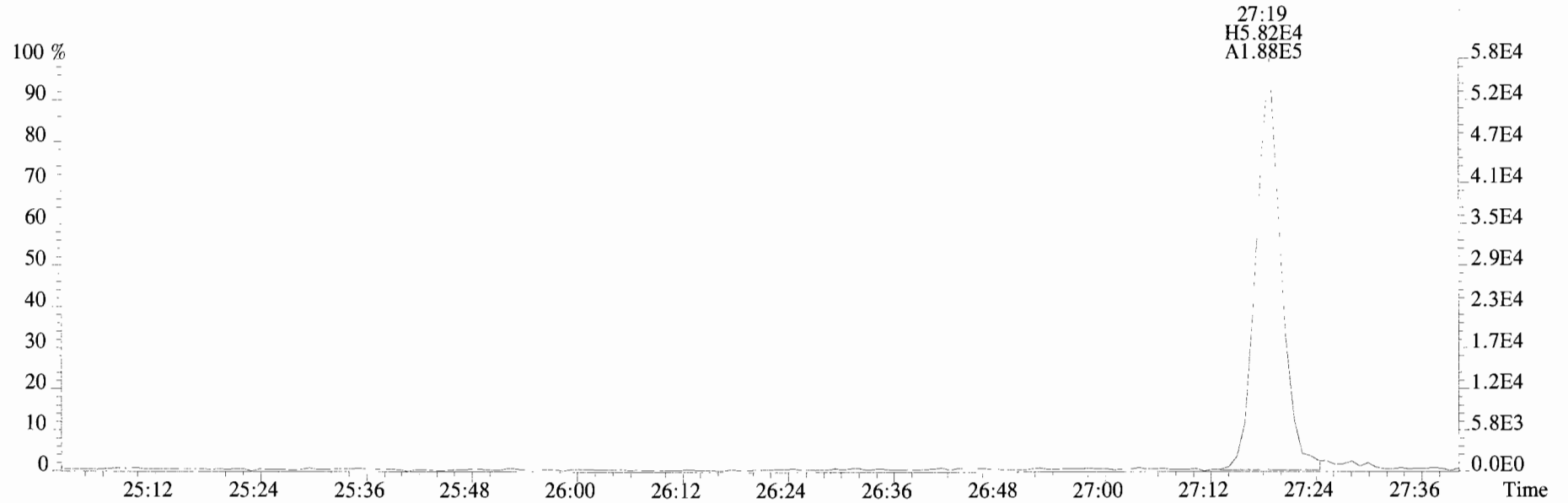
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



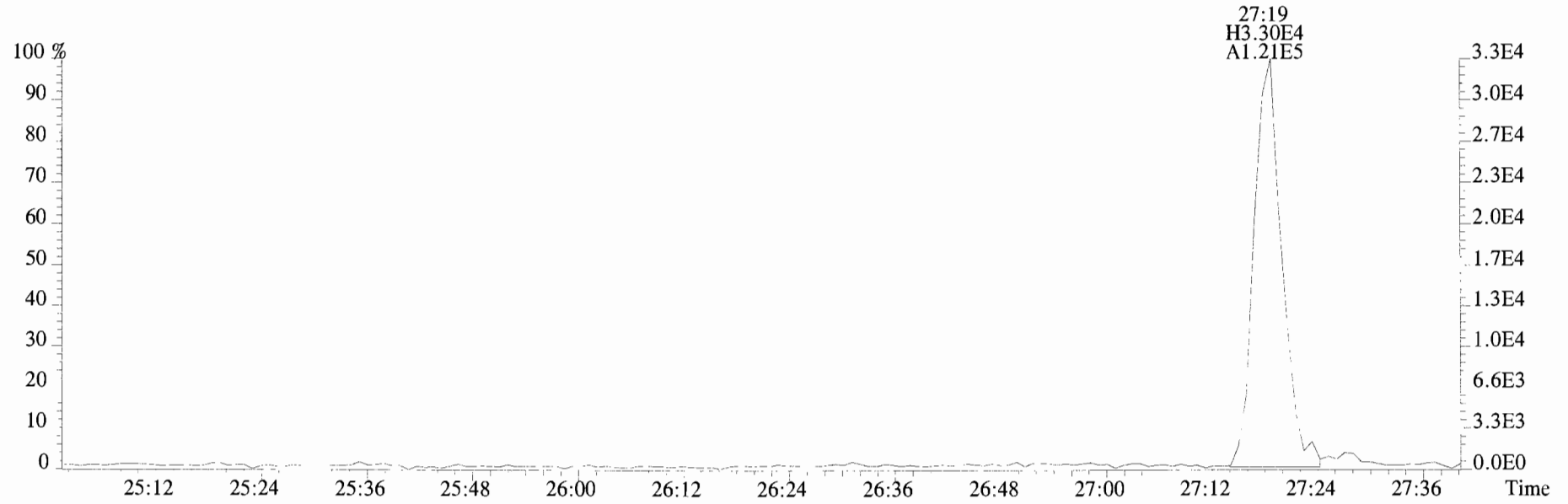
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



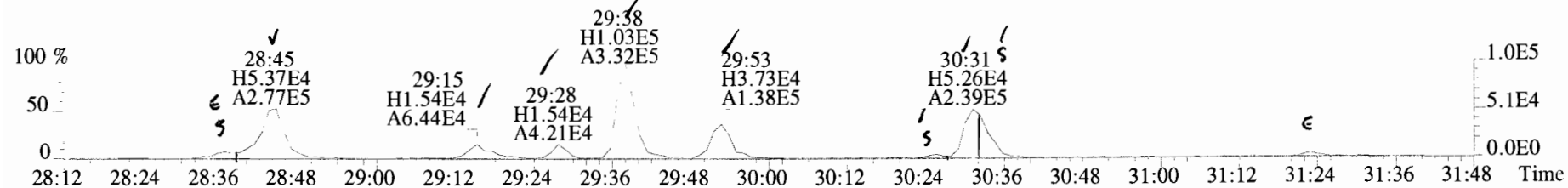
File:191016D2 #1-493 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



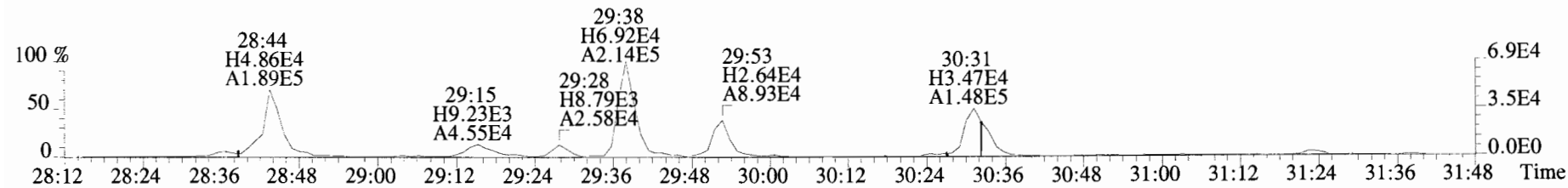
341.8568 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



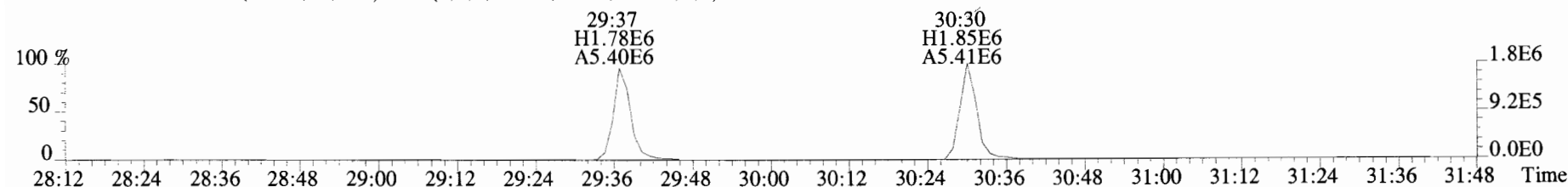
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



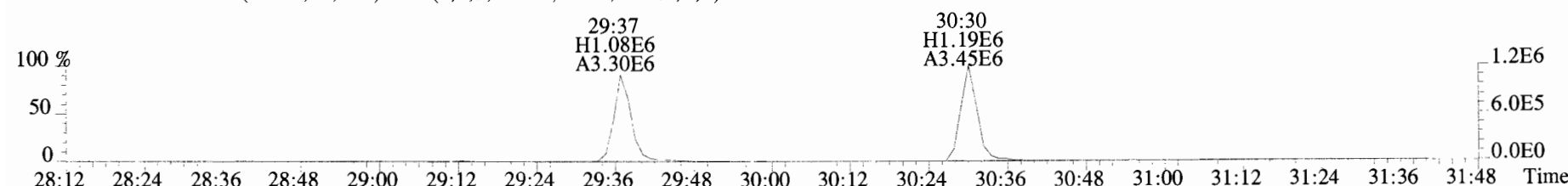
341.8568 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



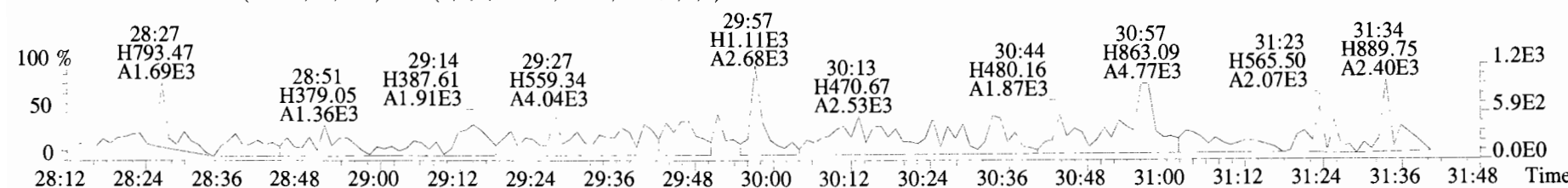
351.9000 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



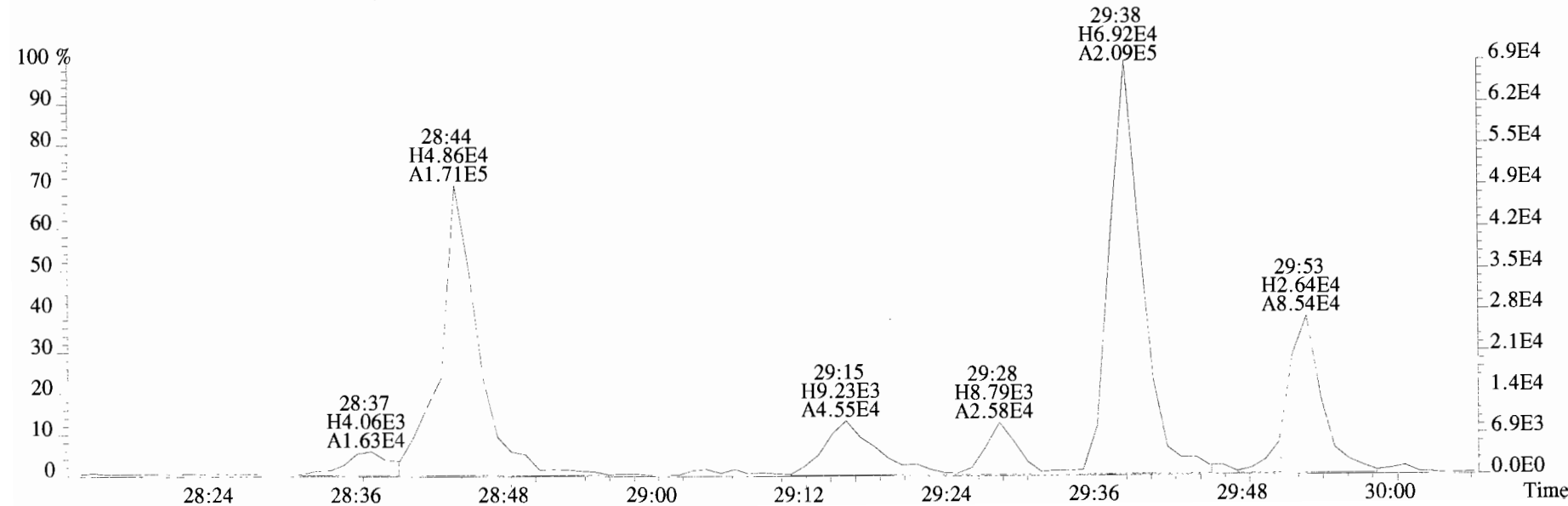
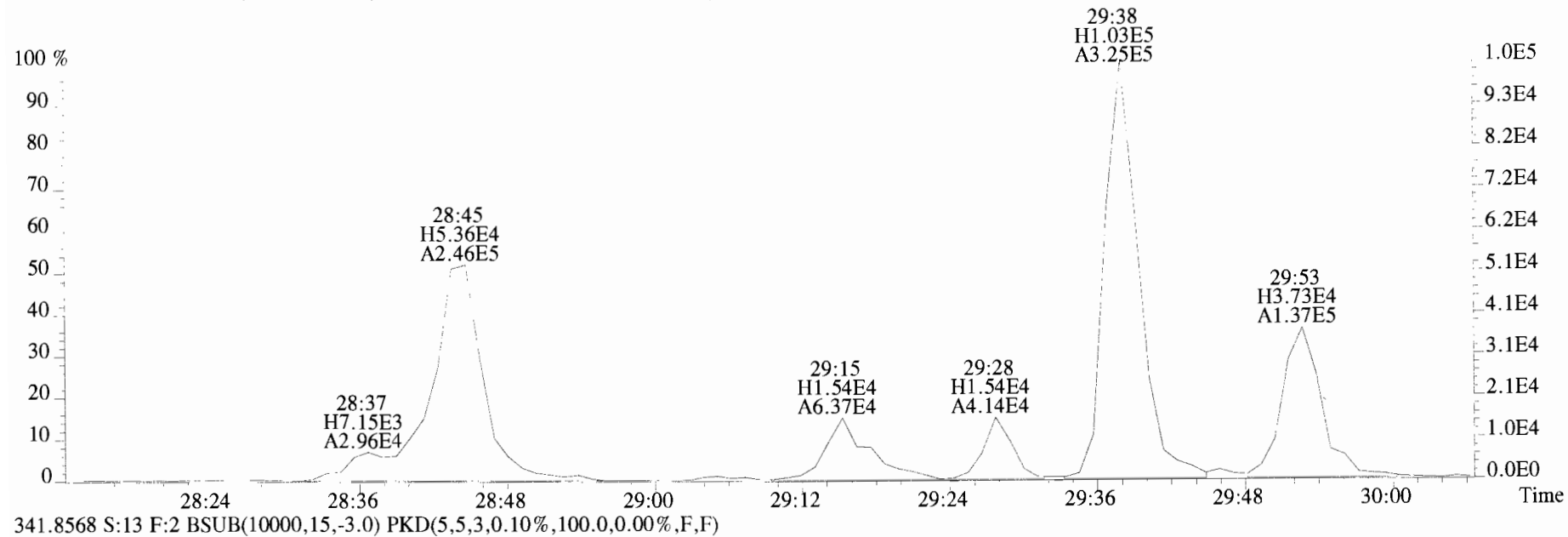
353.8970 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



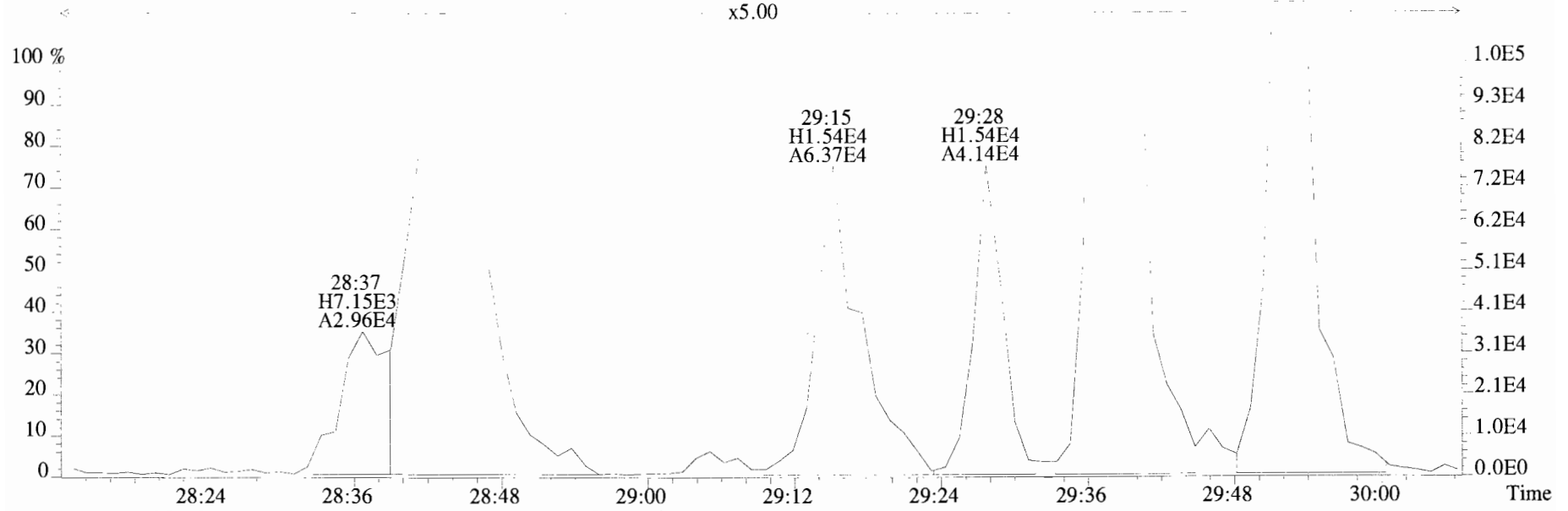
409.7974 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



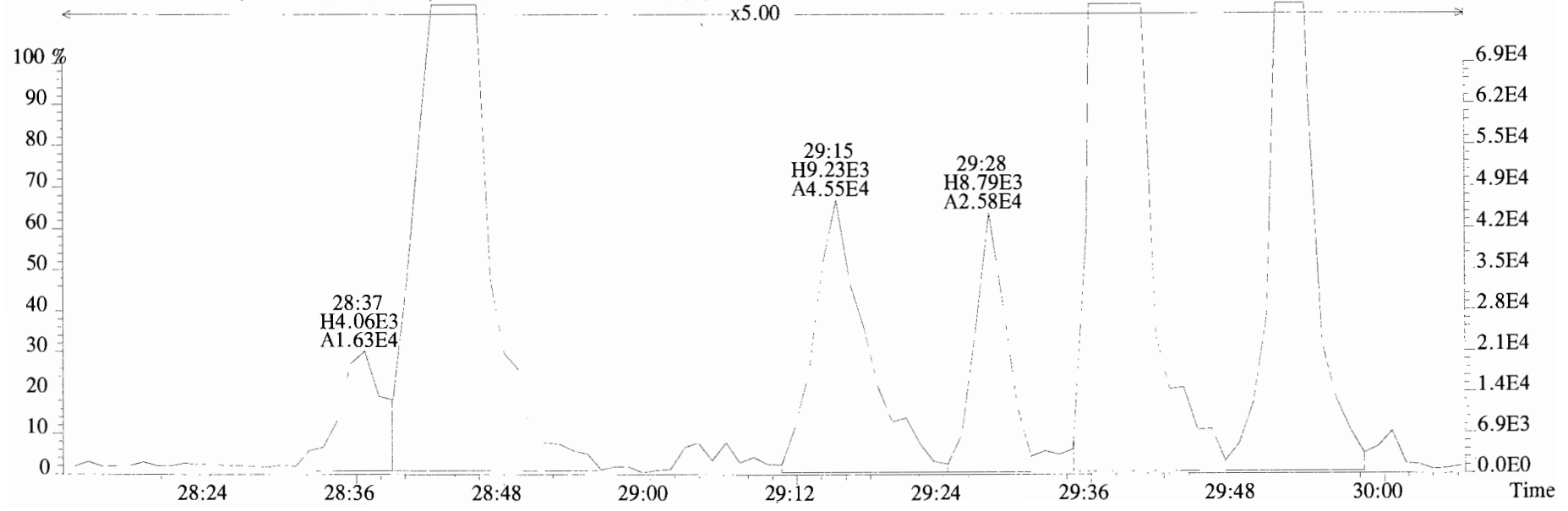
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



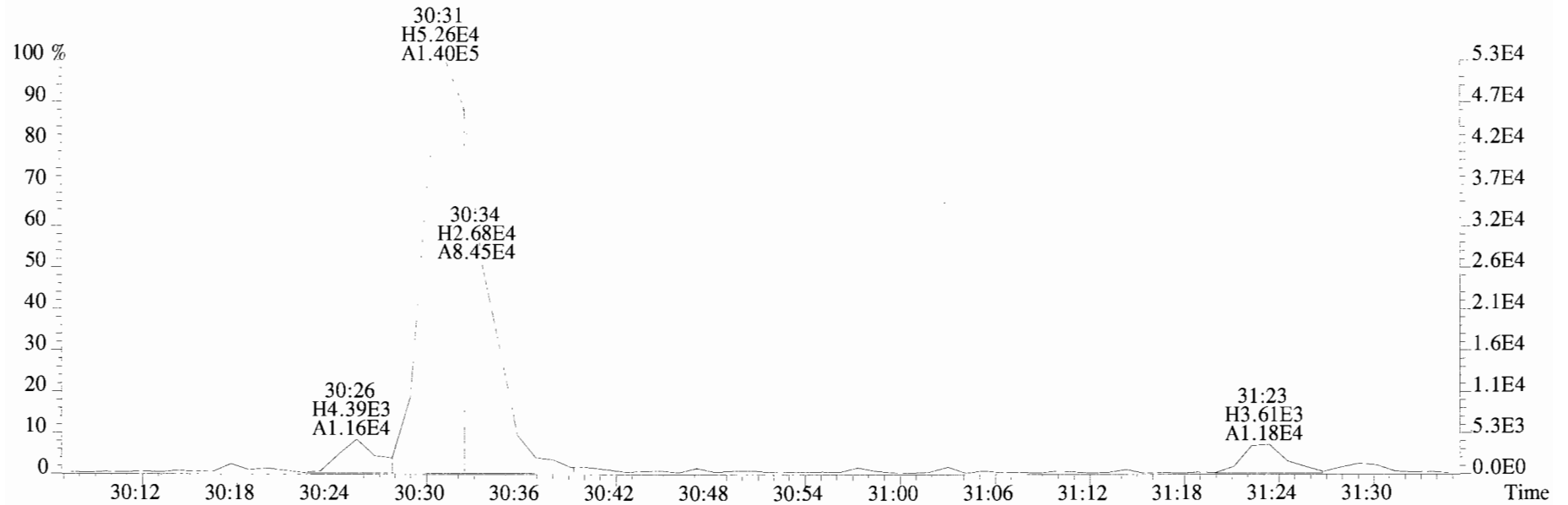
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



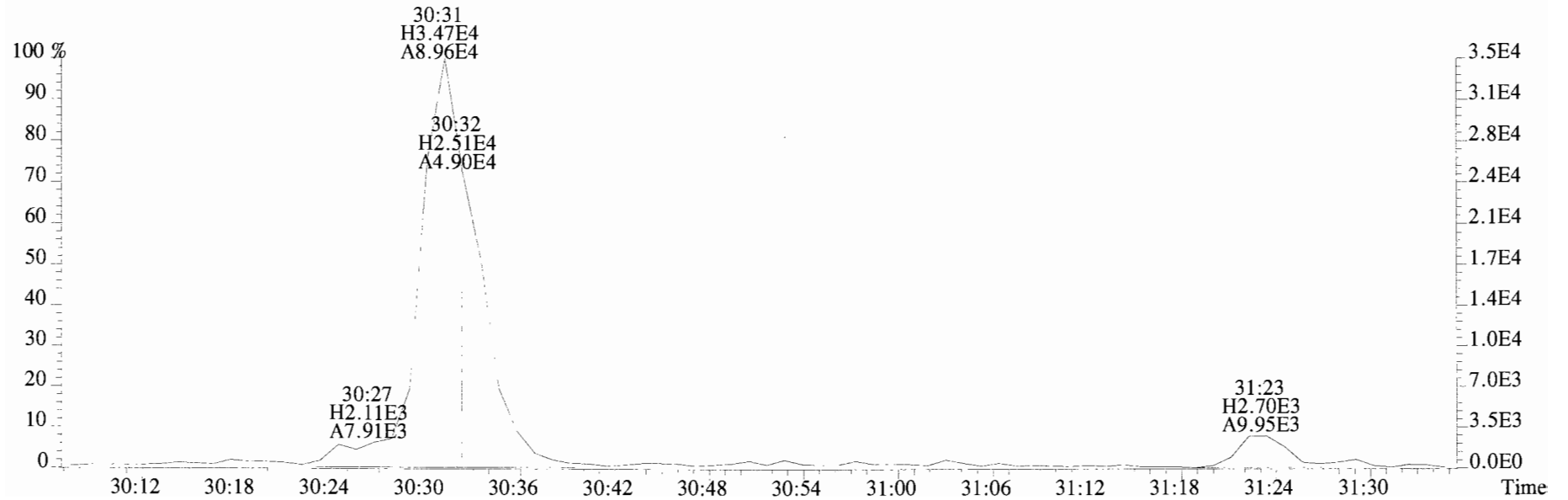
341.8568 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



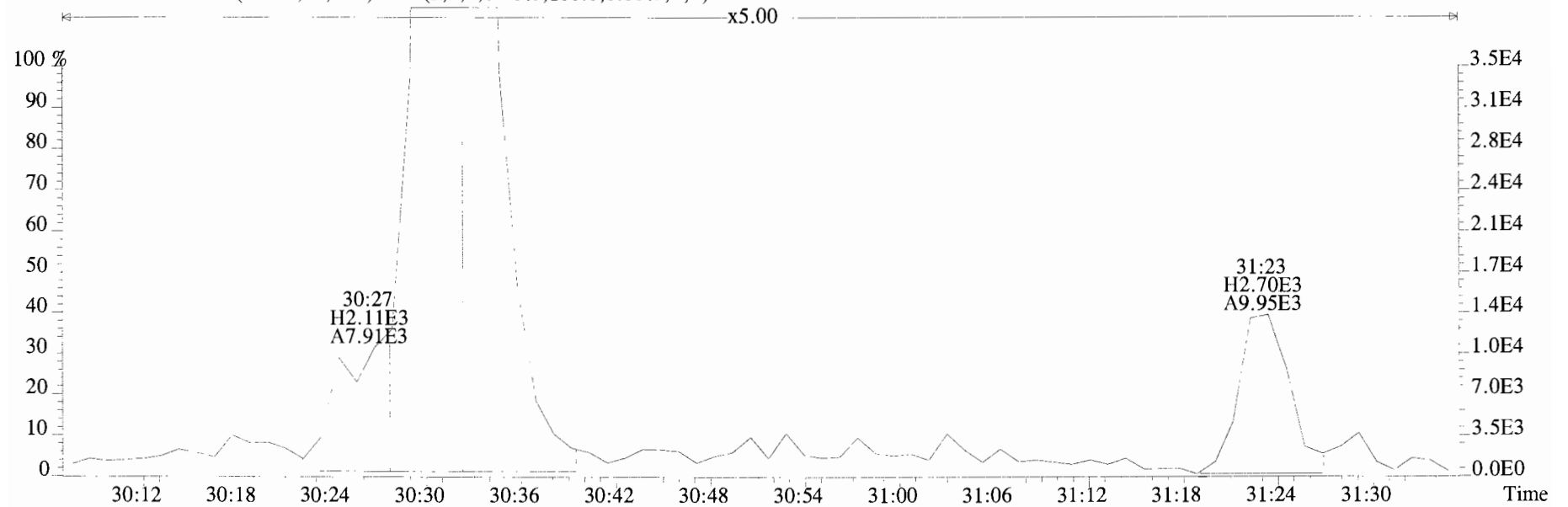
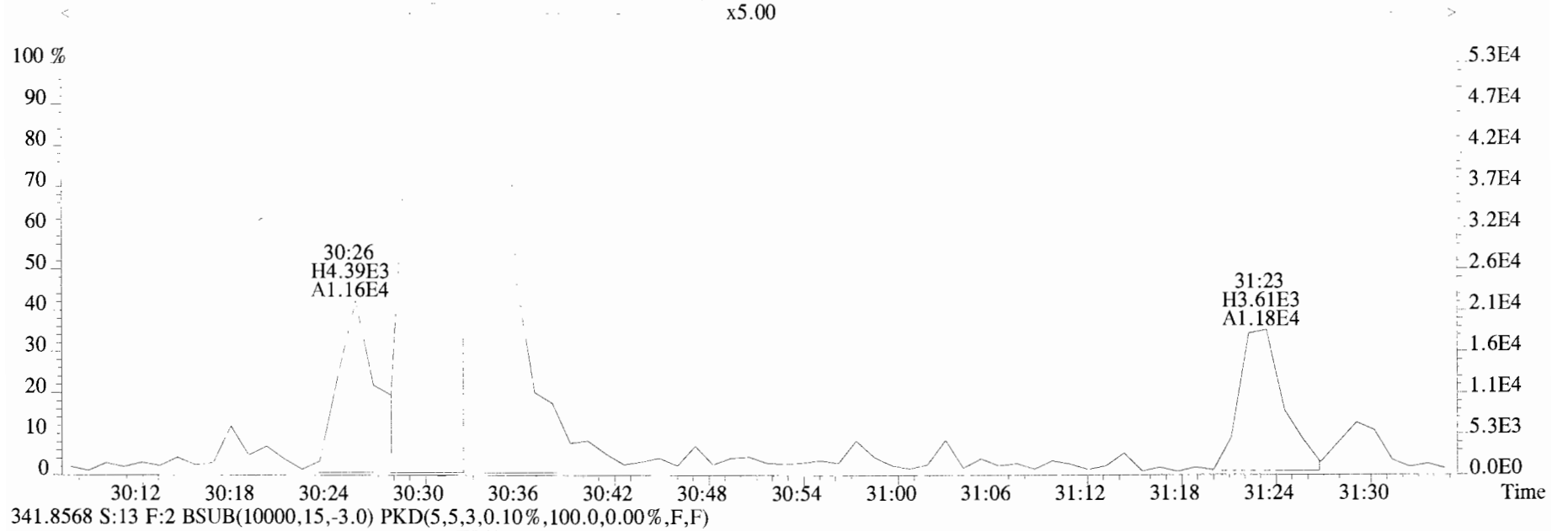
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



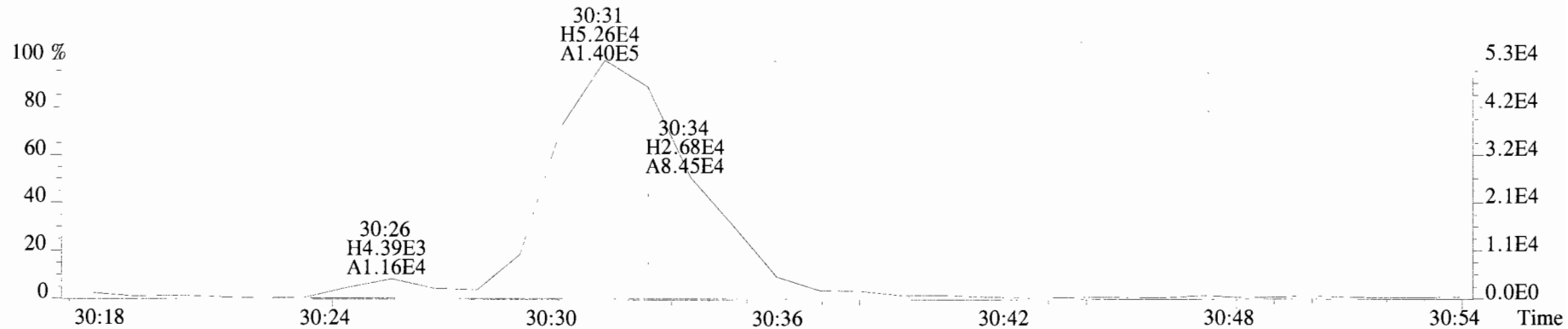
341.8568 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



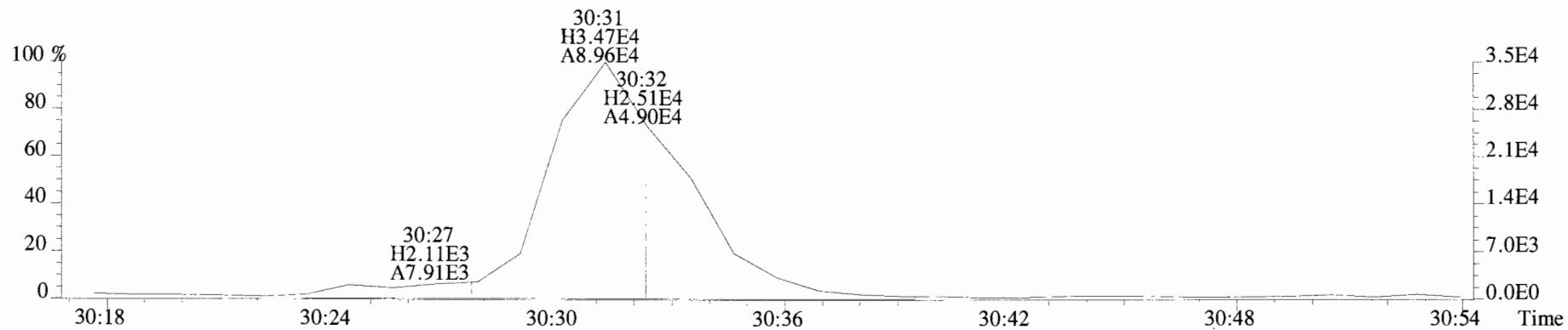
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



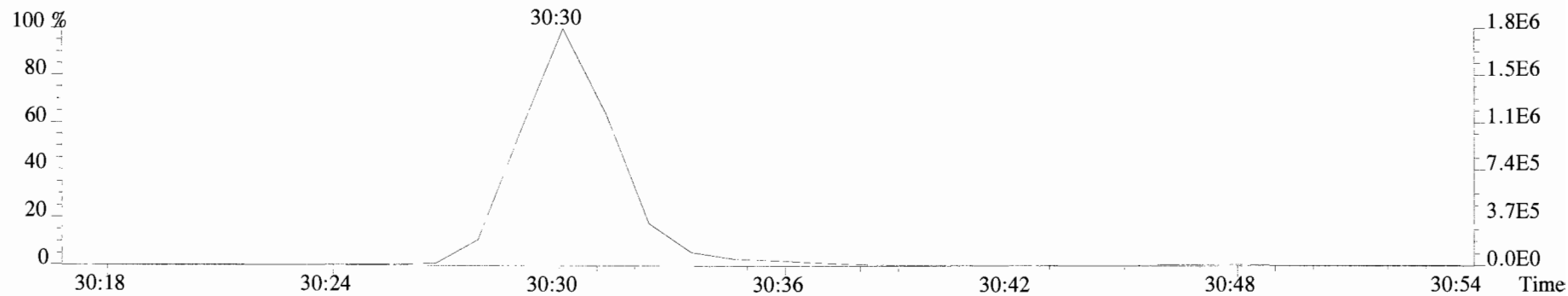
File:191016D2 #1-211 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



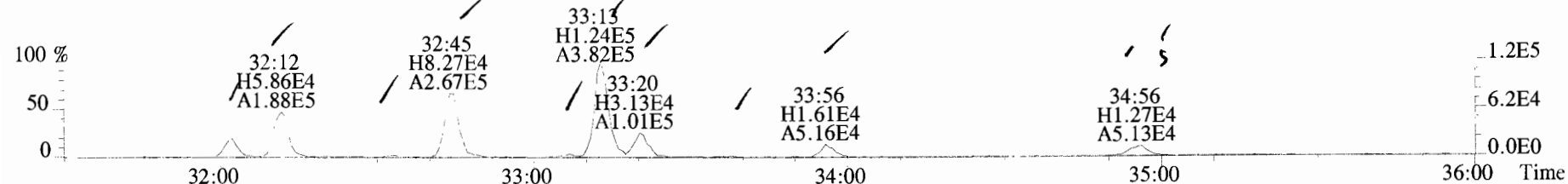
341.8568 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



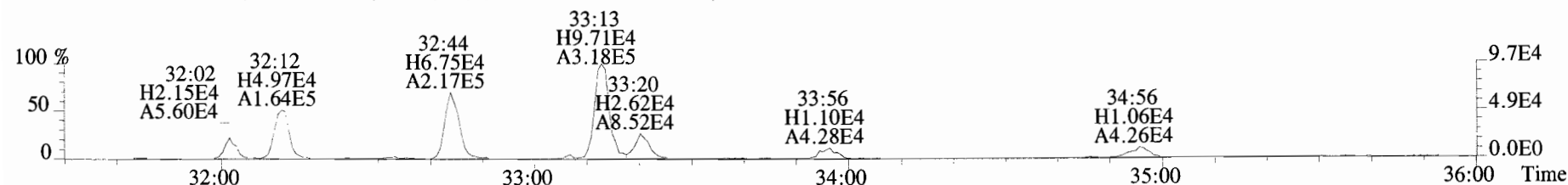
351.9000 S:13 F:2



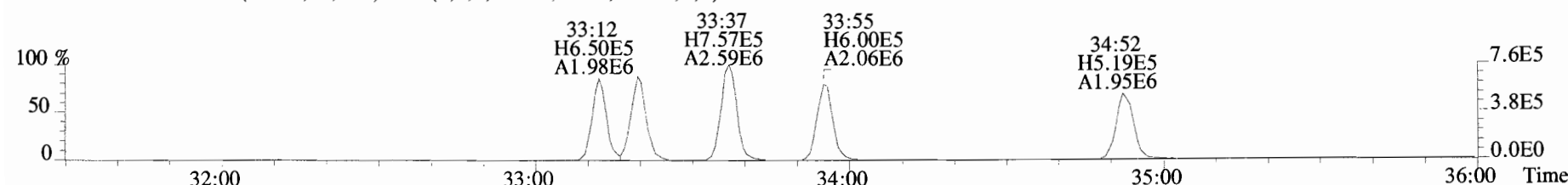
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



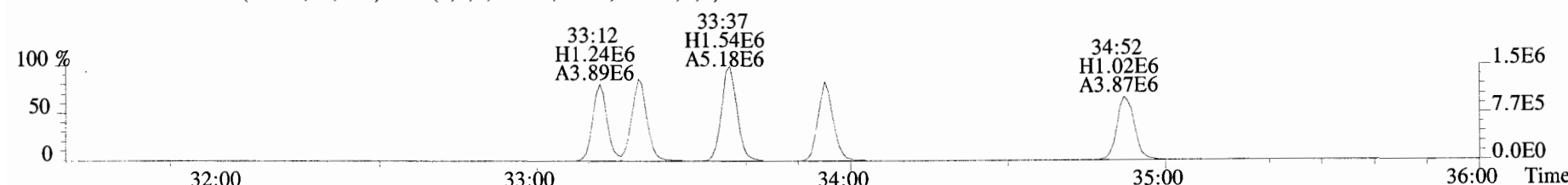
375.8178 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



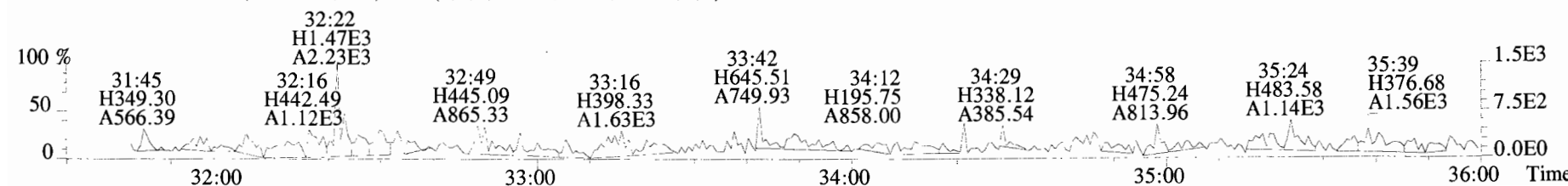
383.8639 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



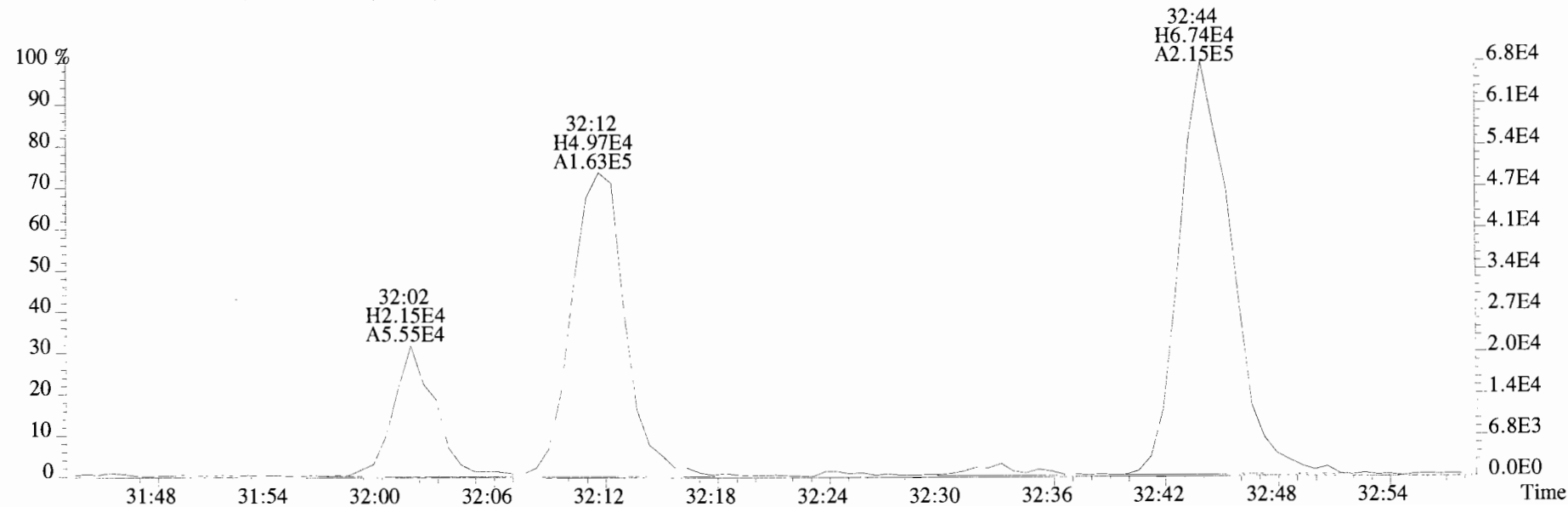
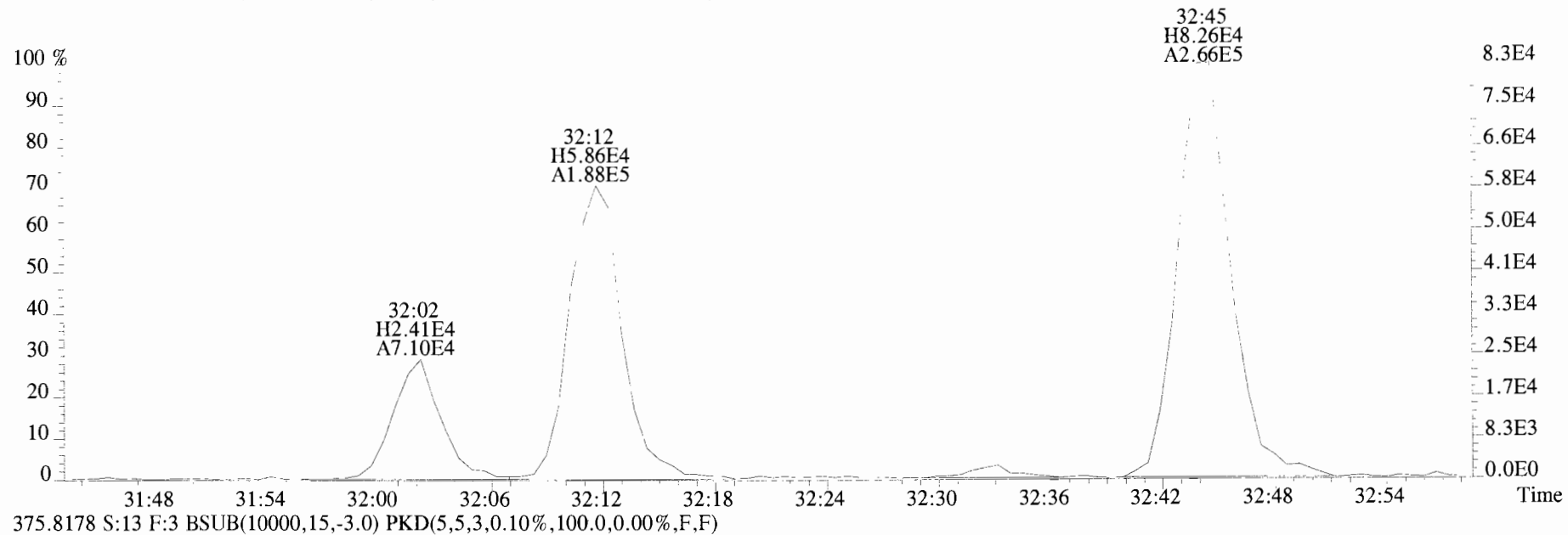
385.8610 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



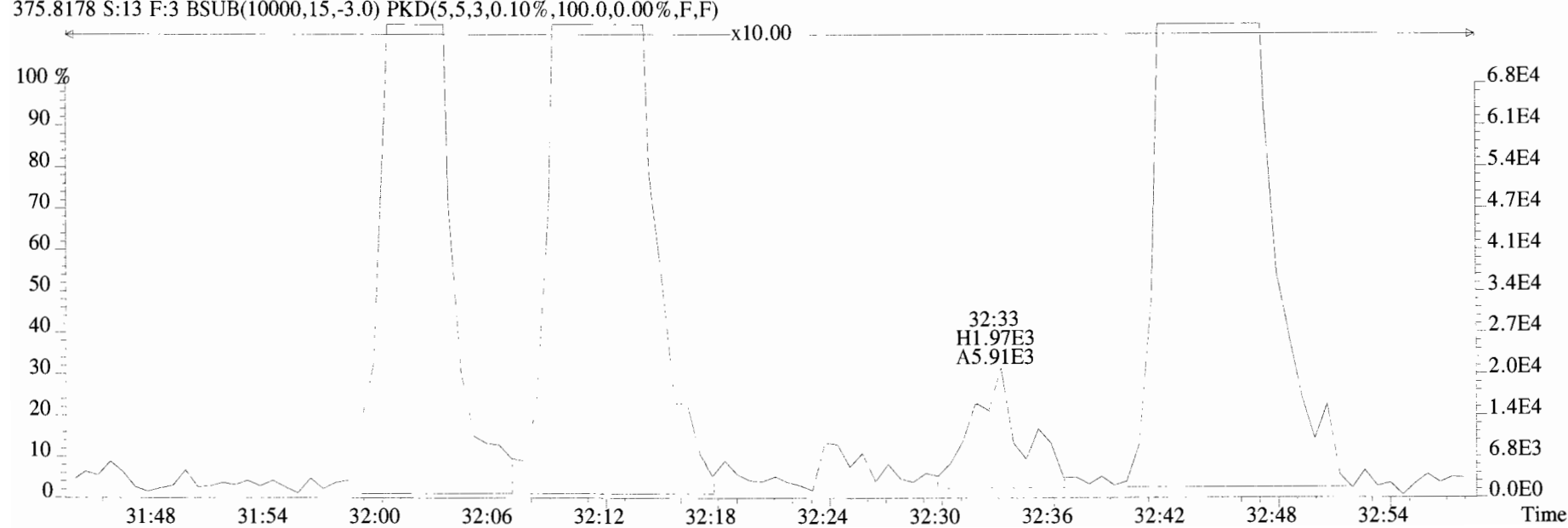
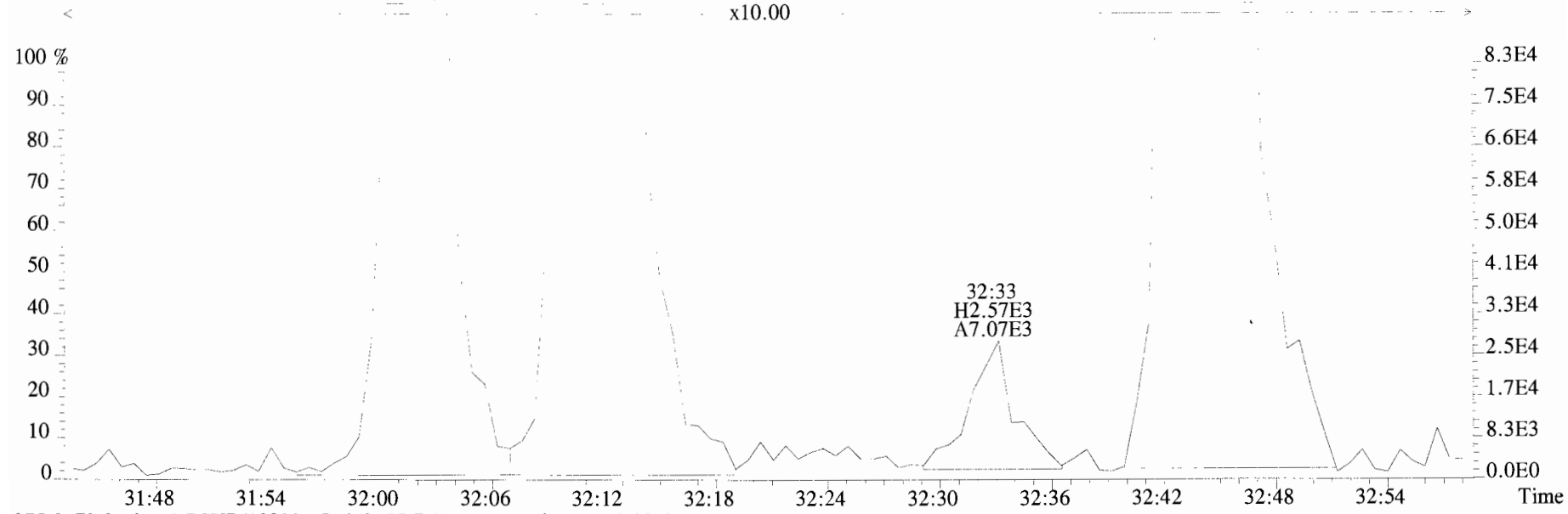
445.7555 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



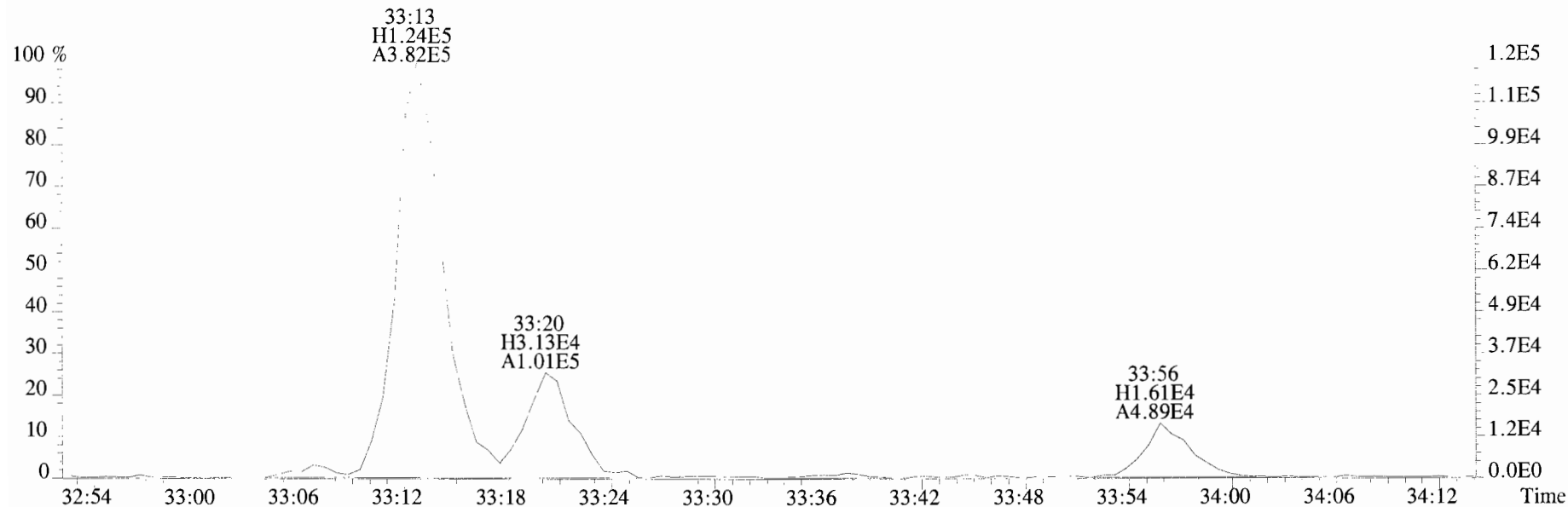
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
373.8207 S:13 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



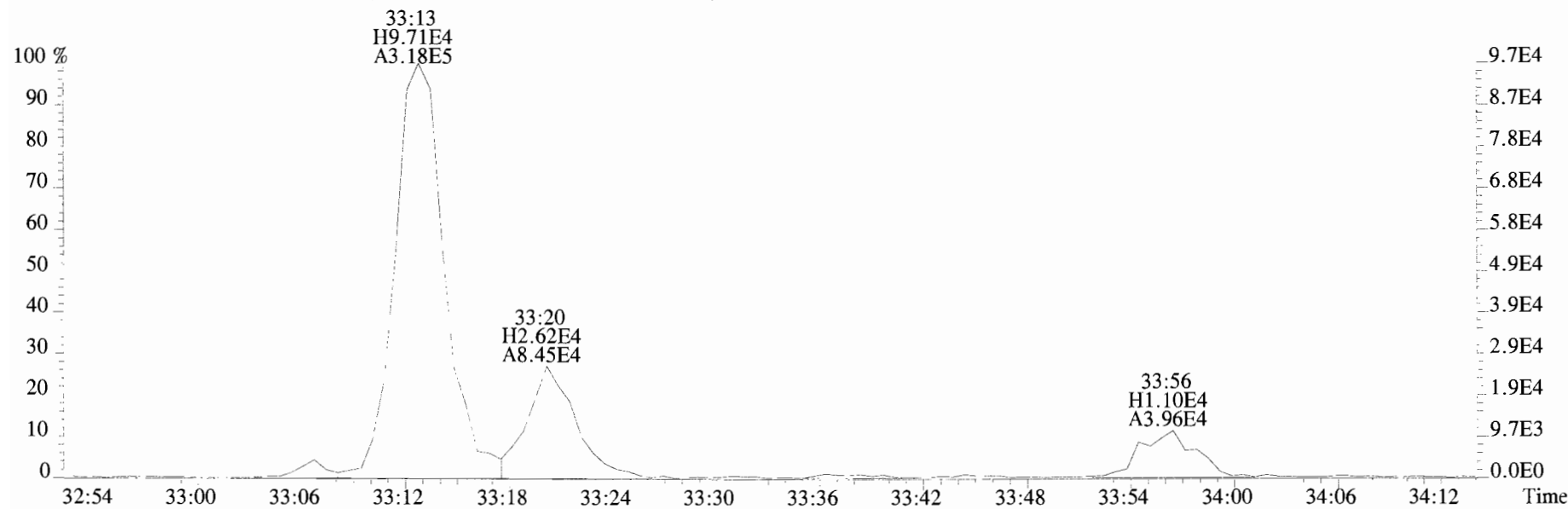
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



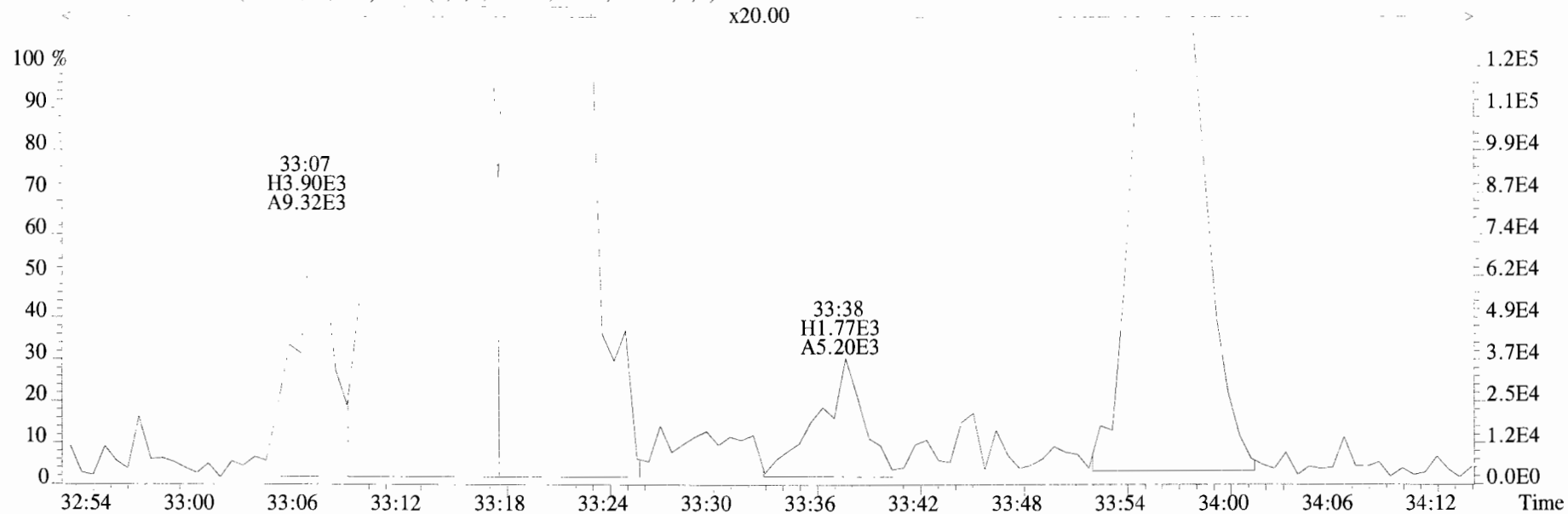
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
 373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



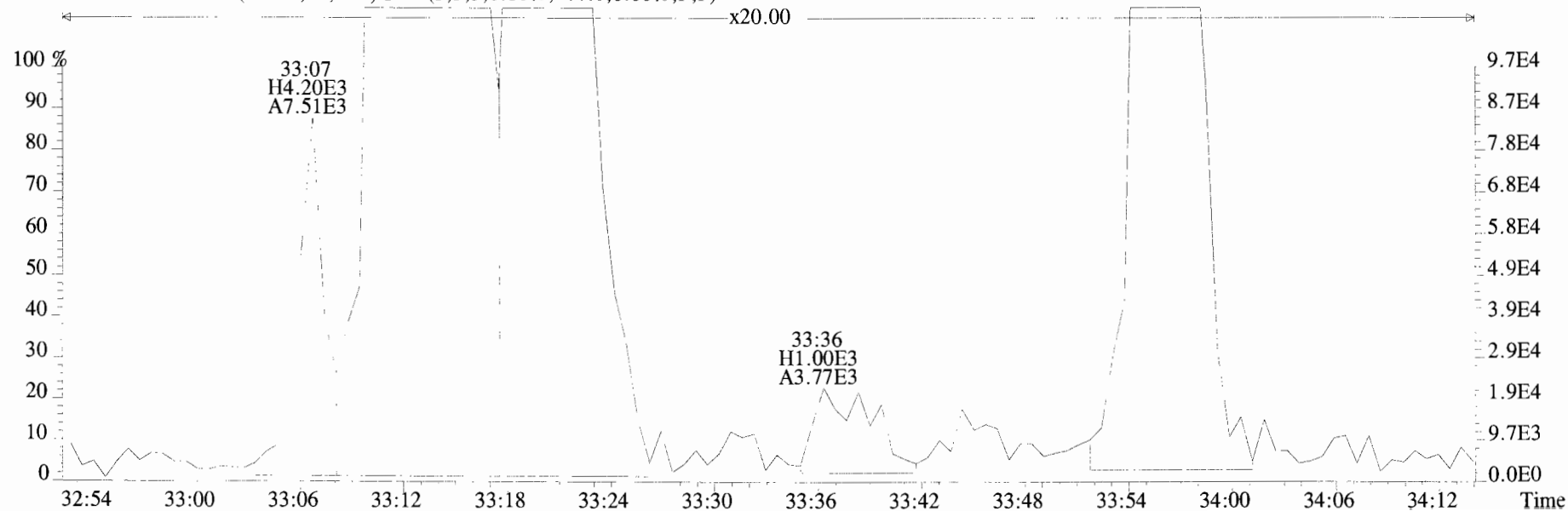
375.8178 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



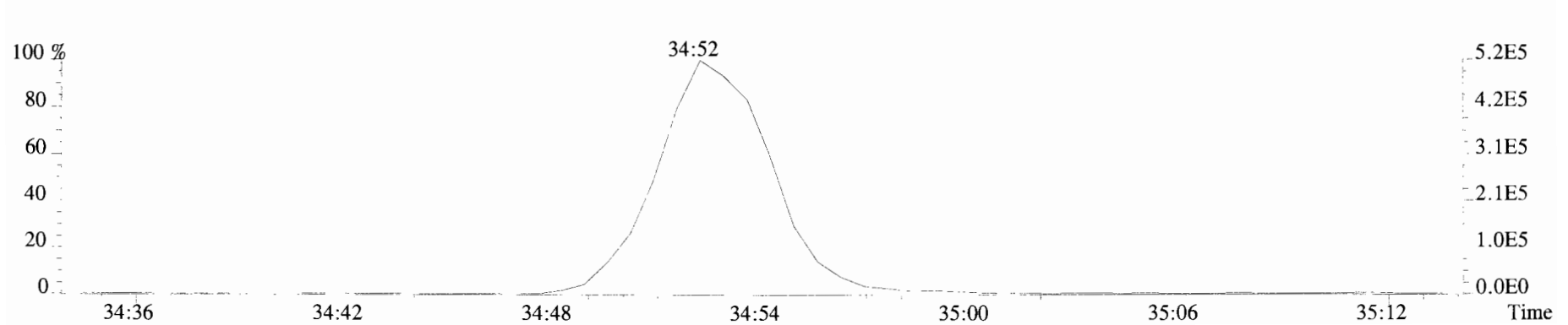
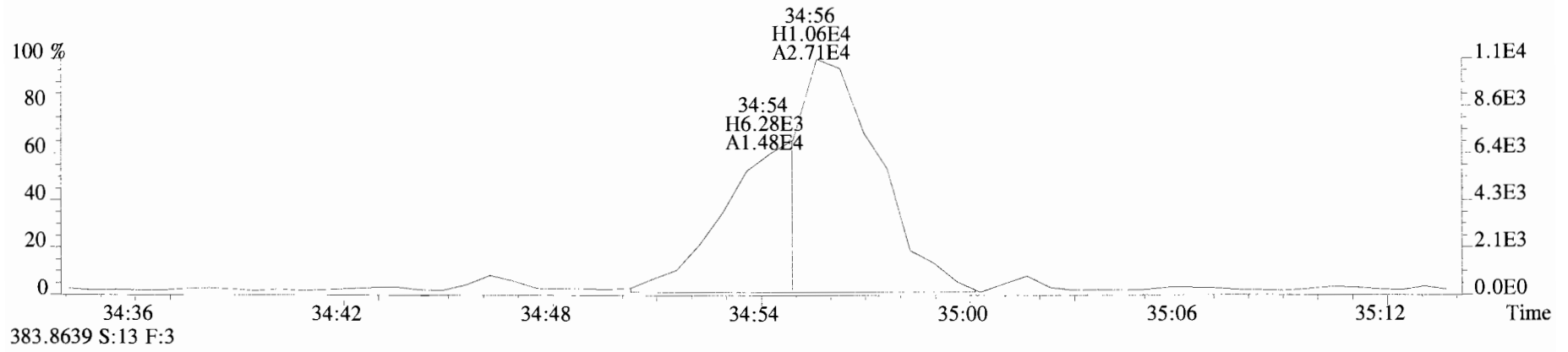
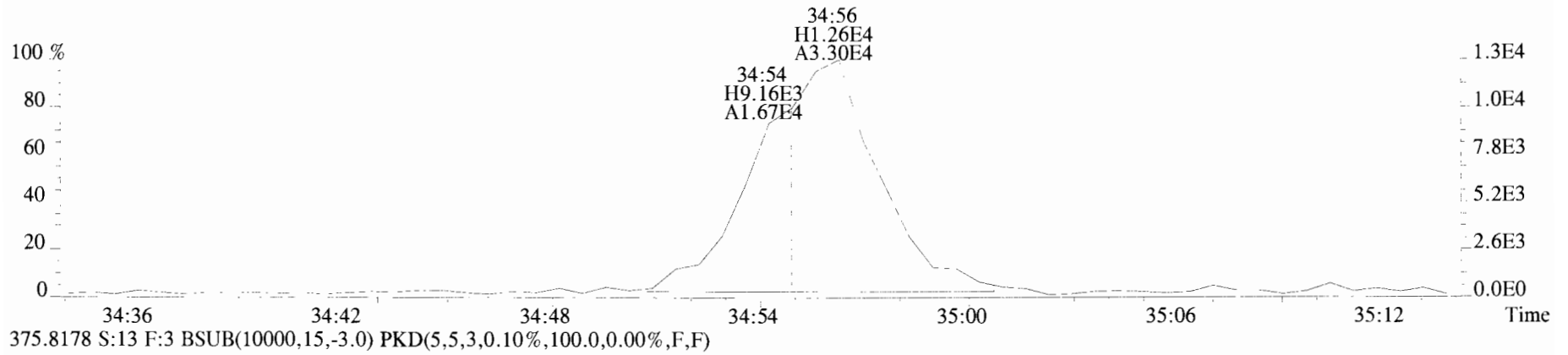
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



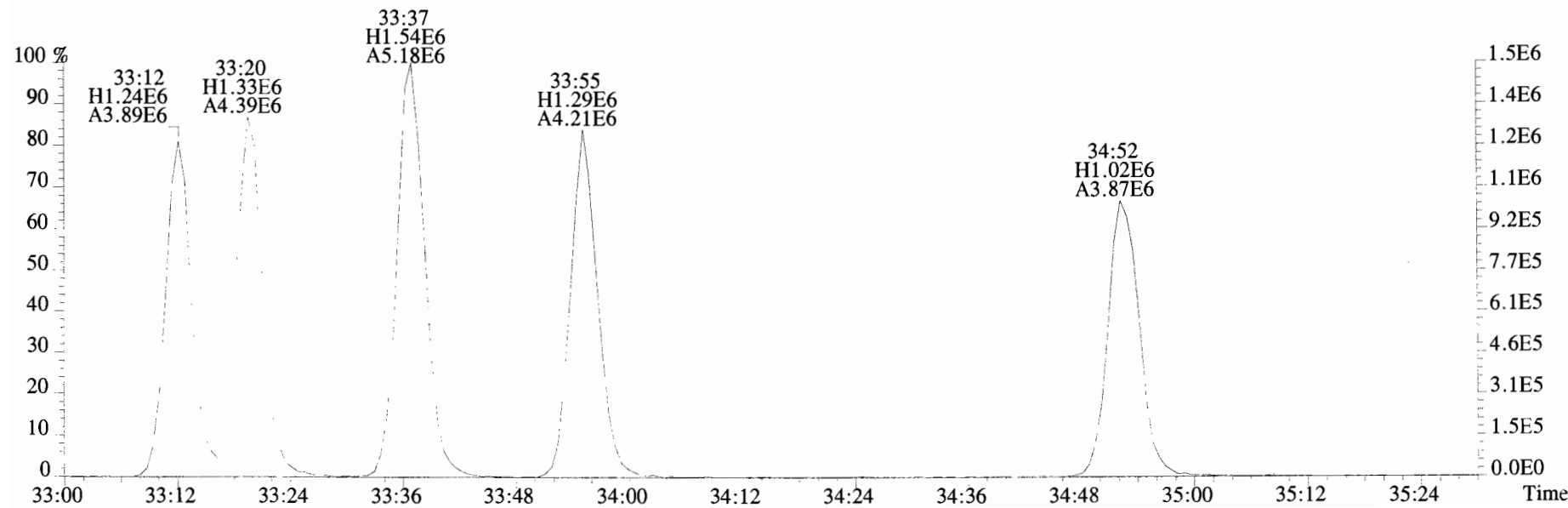
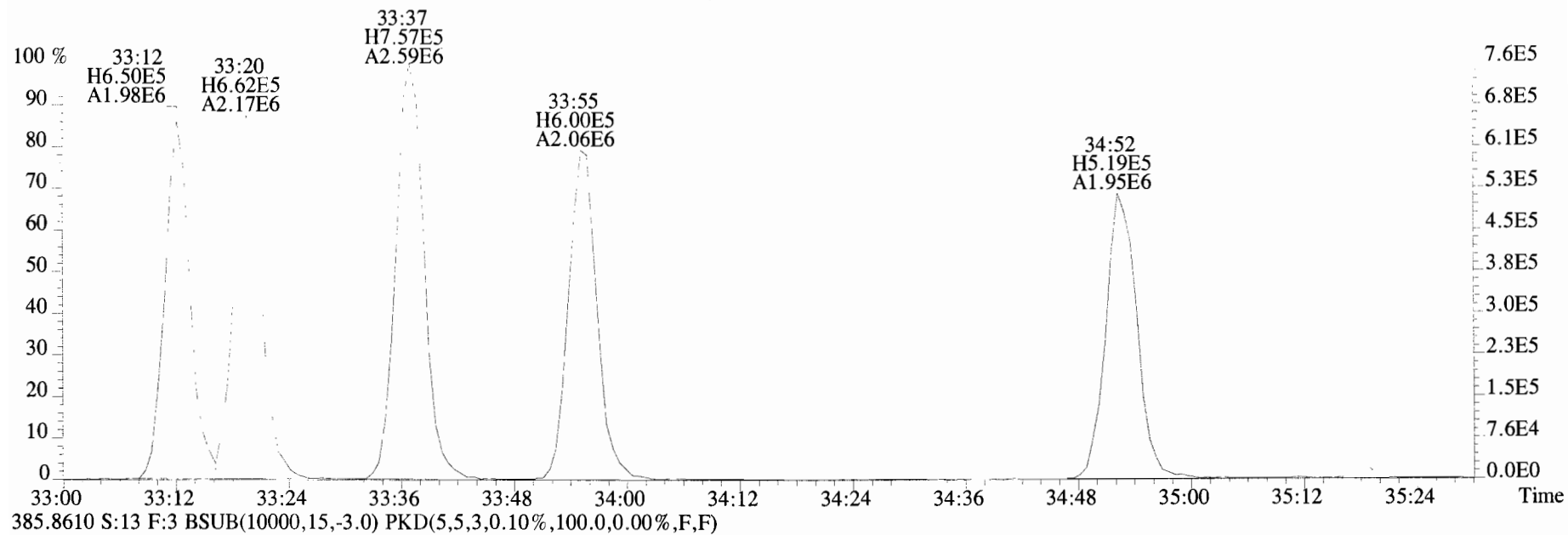
375.8178 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



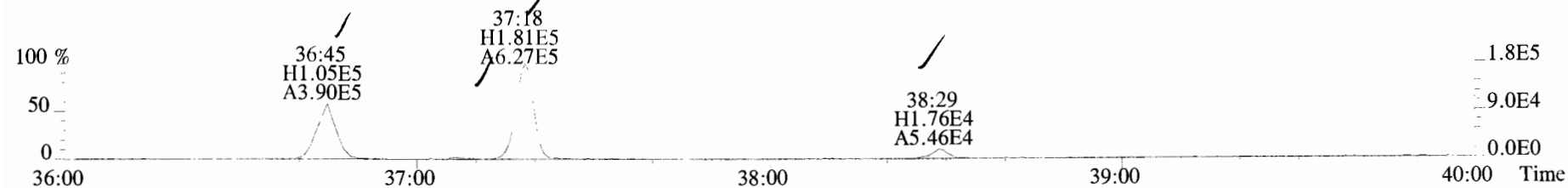
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



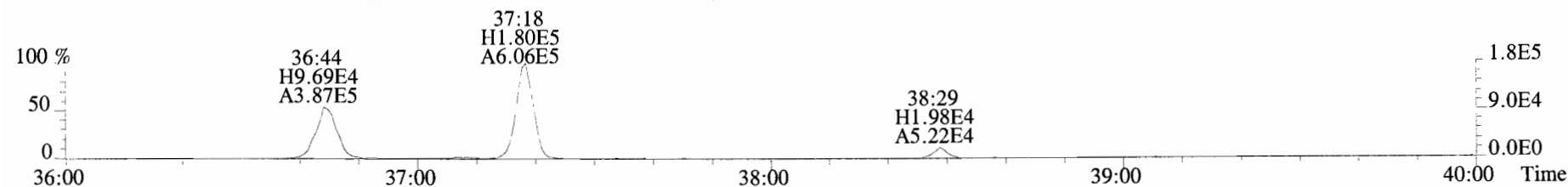
File:191016D2 #1-385 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
383.8639 S:13 F:3 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



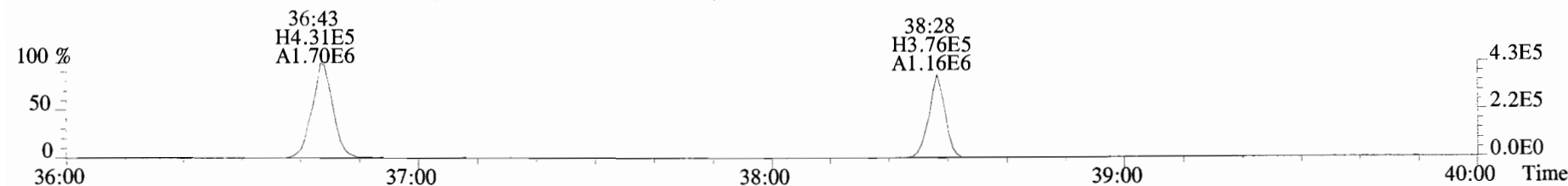
File:191016D2 #1-356 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:B9I0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



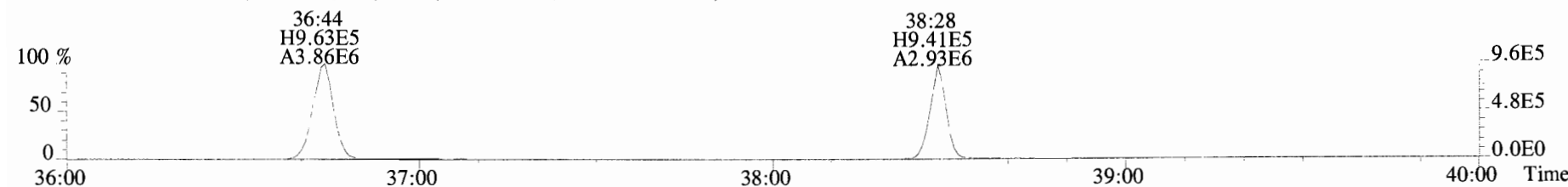
409.7788 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



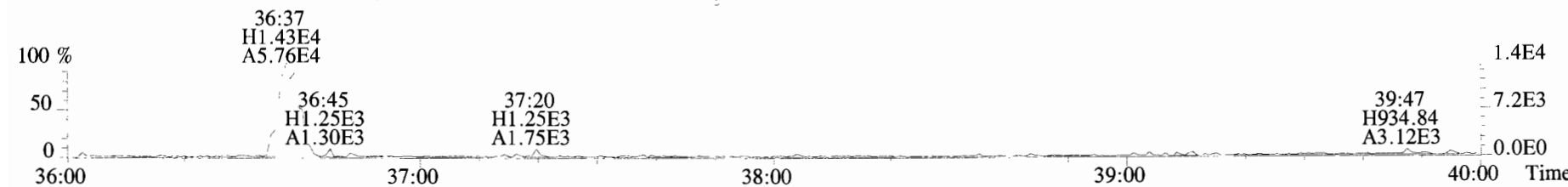
417.8253 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



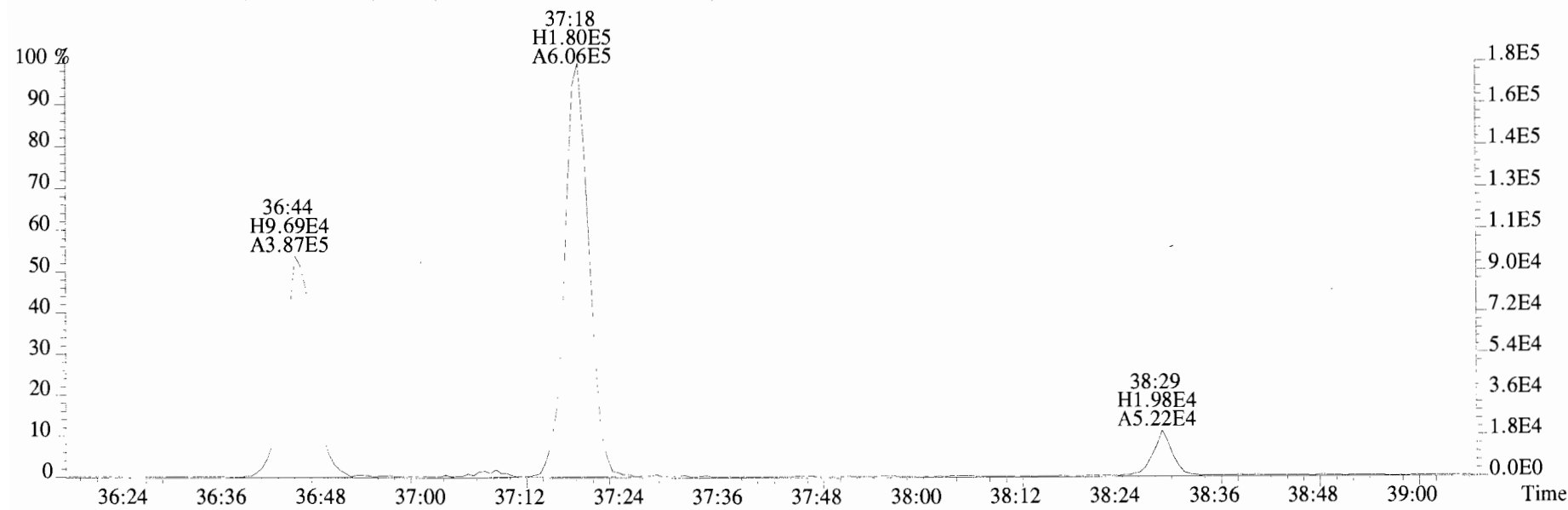
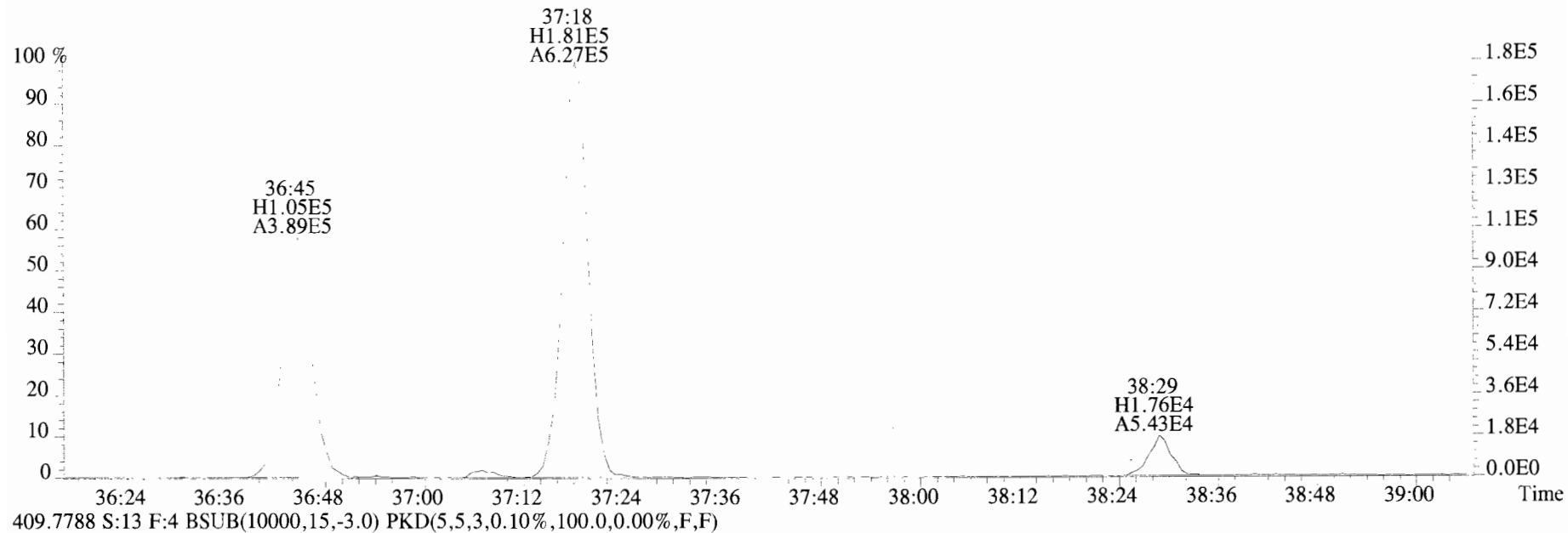
419.8220 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



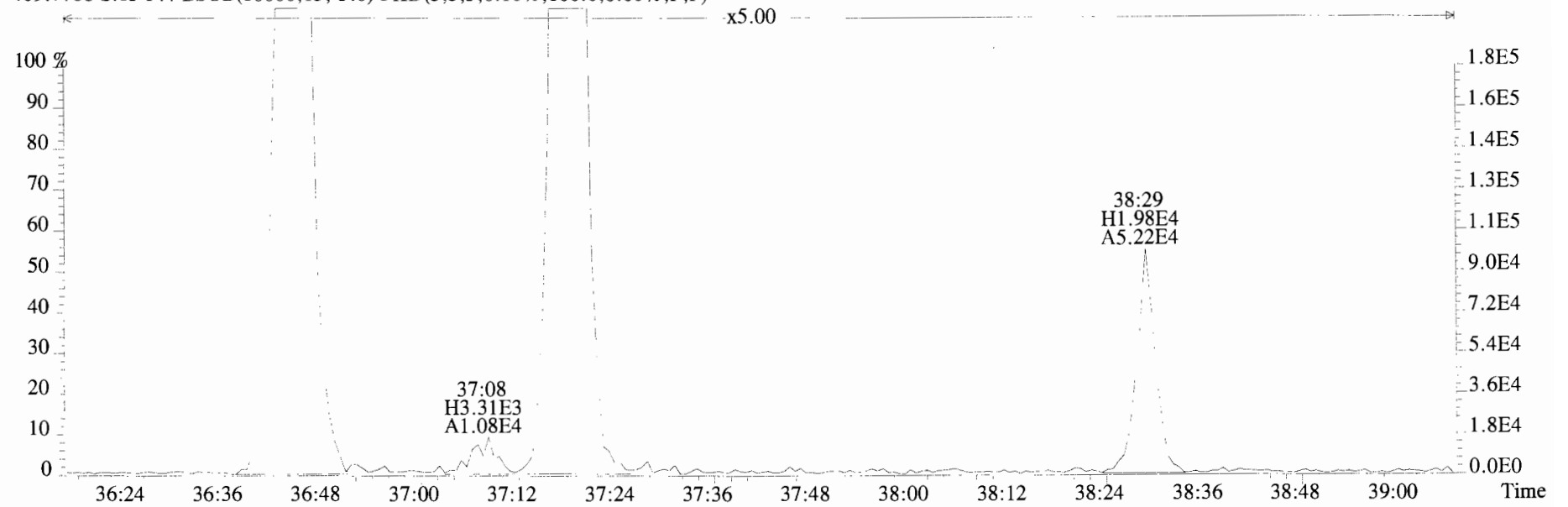
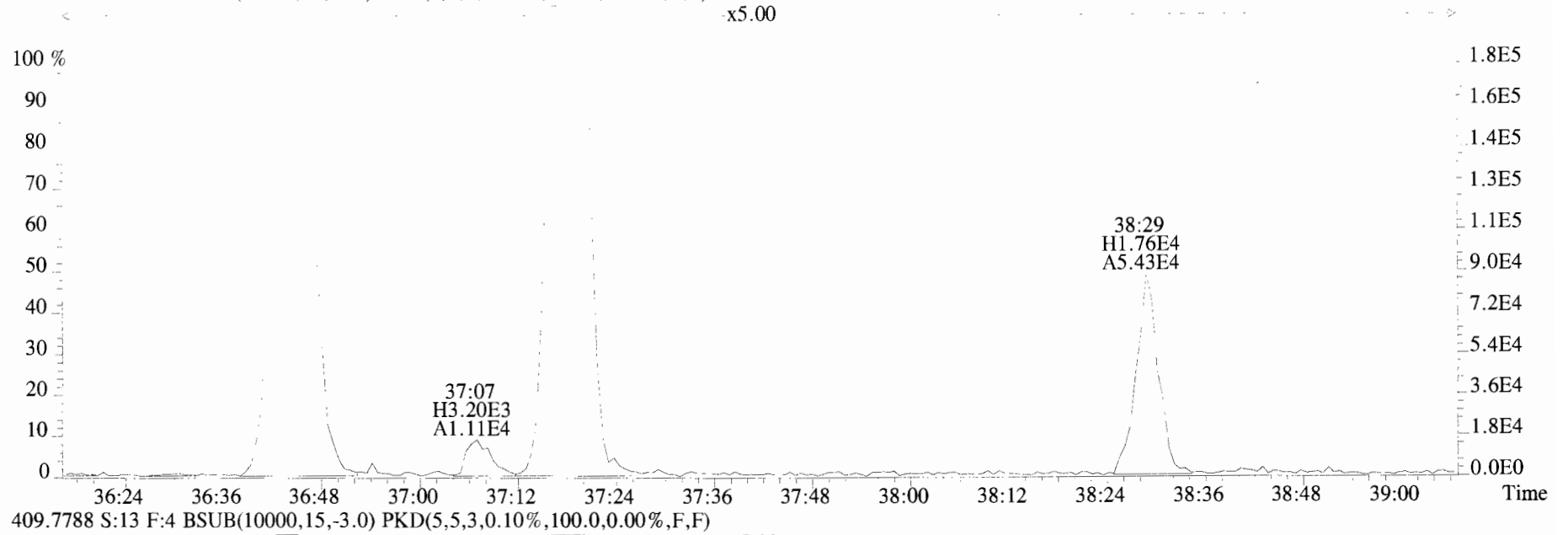
479.7165 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



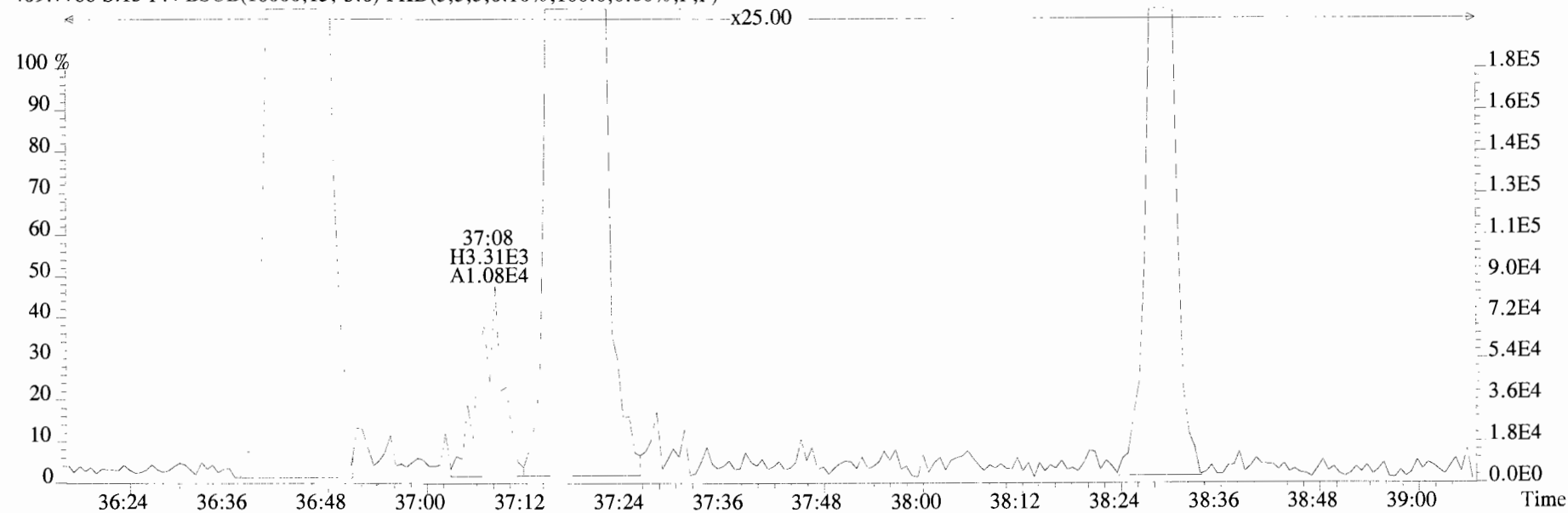
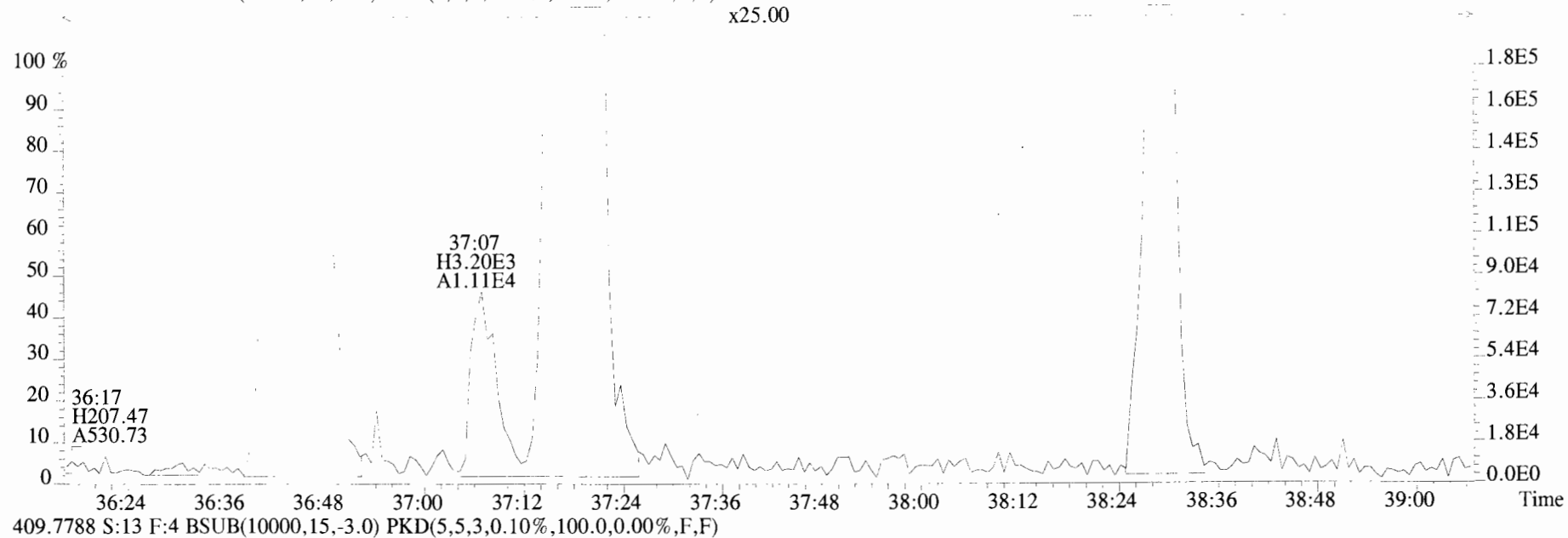
File:191016D2 #1-356 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUPI Duplicate 24.54 Exp:OCDD_DB5
407.7818 S:13 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



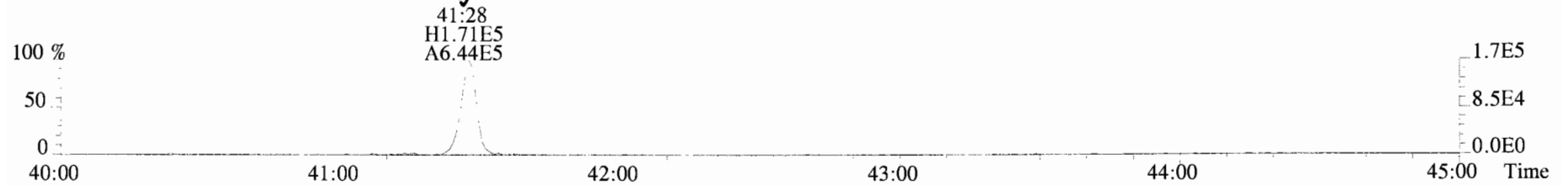
File:191016D2 #1-356 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



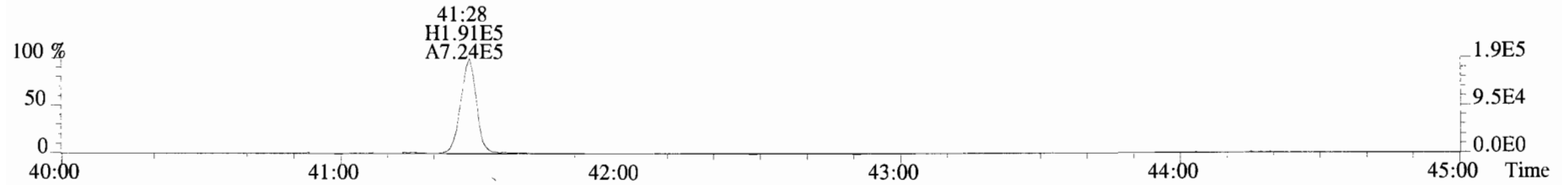
File:191016D2 #1-356 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



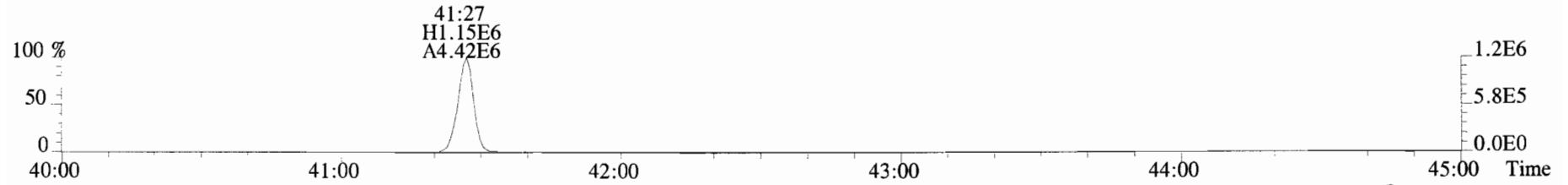
File:191016D2 #1-433 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:B9J0052-DUPI Duplicate 24.54 Exp:OCDD_DB5
441.7428 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



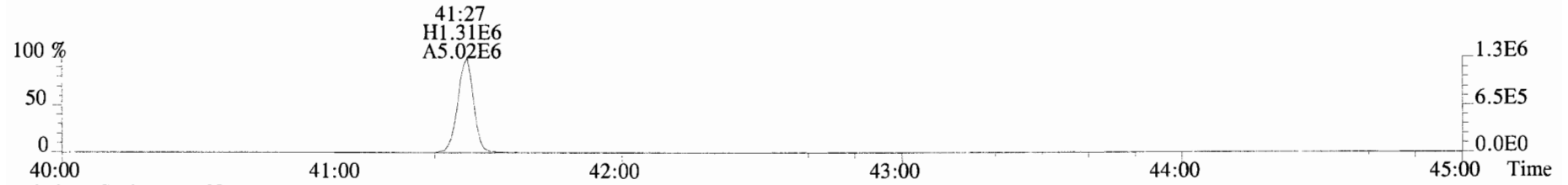
443.7398 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



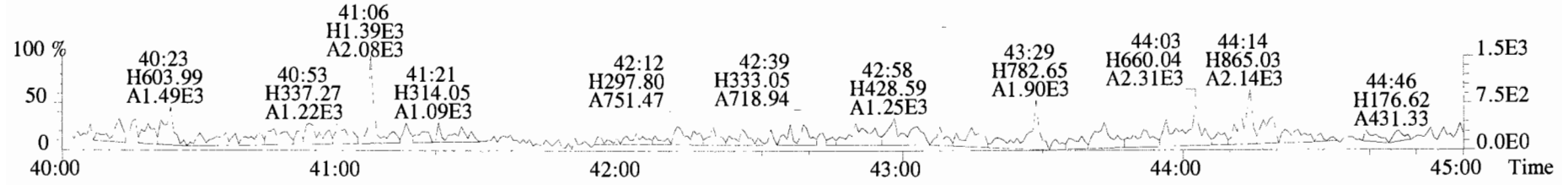
453.7831 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



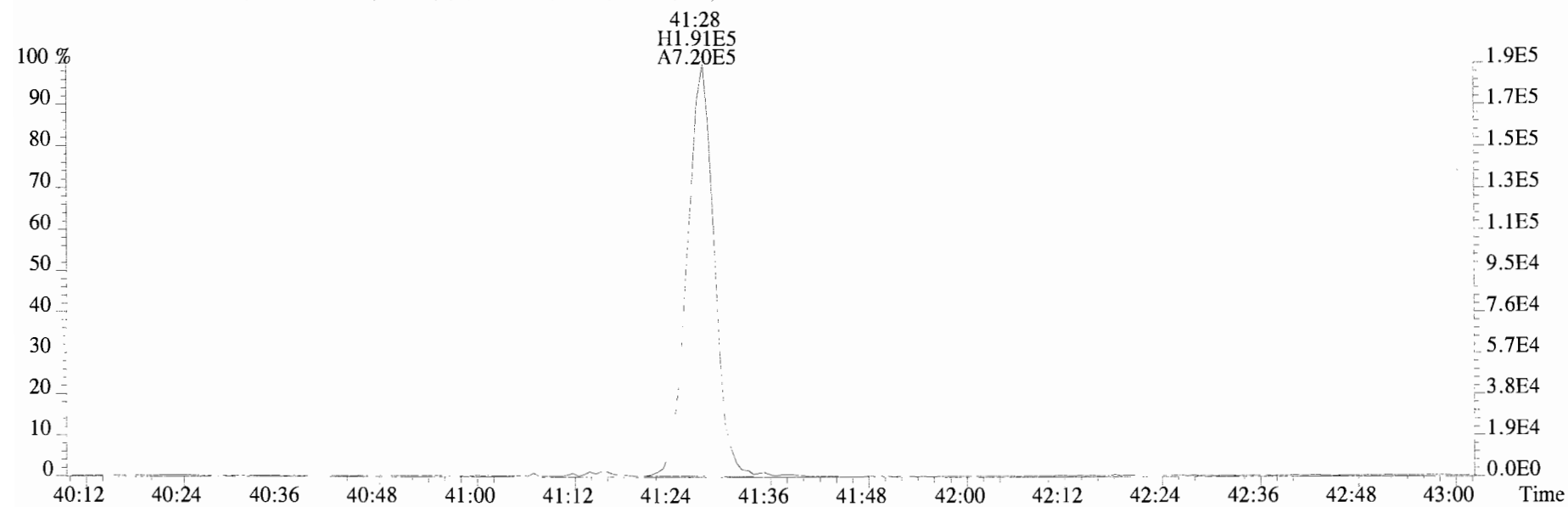
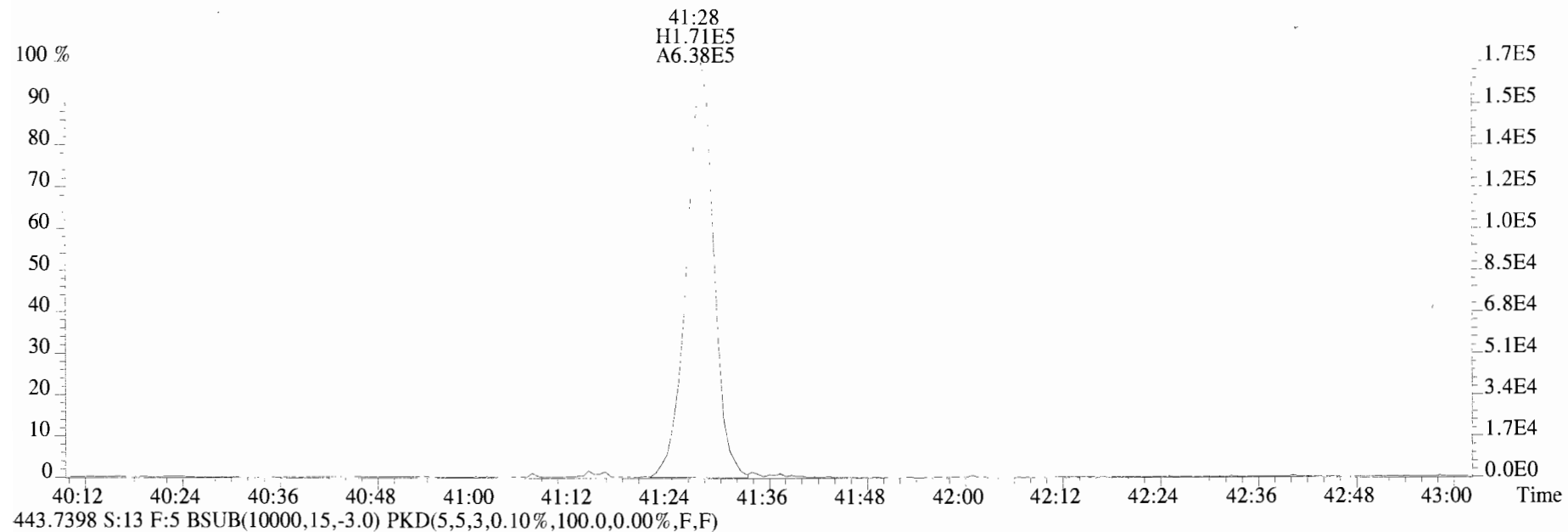
455.7801 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191016D2 #1-433 Acq:17-OCT-2019 10:14:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:B9J0052-DUP1 Duplicate 24.54 Exp:OCDD_DB5
441.7428 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.10e+04	0.36 n	0.91	26:35	0.26273	*	2.5	*	*	Total Tetra-Dioxins	5.31	5.78	*	*	
1,2,3,7,8-PeCDD	2.06e+04	0.72 y	0.90	30:57	0.56054	*	2.5	*	*	Total Penta-Dioxins	4.83	6.87	*	*	
1,2,3,4,7,8-HxCDD	3.32e+04	1.06 y	1.10	34:18	1.2052	*	2.5	*	*	Total Hexa-Dioxins	66.1	66.1	*	*	
1,2,3,6,7,8-HxCDD	1.98e+05	1.16 y	0.94	34:26	6.0584	*	2.5	*	*	Total Hepta-Dioxins	546	546	*	*	
1,2,3,7,8,9-HxCDD	9.46e+04	1.14 y	0.96	34:45	2.9314	*	2.5	*	*	Total Tetra-Furans	40.4	42.6	*	*	
1,2,3,4,6,7,8-HpCDD	6.58e+06	1.04 y	0.98	38:08	240.39	*	2.5	*	*	Total Penta-Furans	138.13	138.13	*	*	
OCDD	3.15e+07	0.89 y	0.96	41:31	1833.1	*	2.5	*	*	Total Hexa-Furans	830	830	*	*	
										Total Hepta-Furans	783	783	*	*	P
2,3,7,8-TCDF	6.85e+05	0.78 y	0.95	25:53	12.451	*	2.5	*	*						
1,2,3,7,8-PeCDF	4.01e+06	1.60 y	0.96	29:49	76.975	*	2.5	*	*						
2,3,4,7,8-PeCDF	5.53e+05	1.52 y	1.01	30:40	10.038	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	2.55e+07	1.25 y	1.18	33:24	595.52	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	6.74e+06	1.14 y	1.07	33:32	136.98	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	5.86e+05	1.19 y	1.11	34:10	13.498	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	4.11e+05	1.23 y	1.06	35:09	9.6409	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	1.87e+07	1.00 y	1.13	36:59	533.04	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	3.49e+06	0.98 y	1.28	38:44	100.91	*	2.5	*	*						
OCDF	1.23e+07	0.88 y	0.95	41:46	570.27	*	2.5	*	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	9.14e+06	0.81 y	1.10	26:35	133.75					67.7					
IS 13C-1,2,3,7,8-PeCDD	8.03e+06	0.62 y	0.88	30:57	145.96					73.9					
IS 13C-1,2,3,4,7,8-HxCDD	4.95e+06	1.29 y	0.64	34:18	113.61					57.5					
IS 13C-1,2,3,6,7,8-HxCDD	6.88e+06	1.28 y	0.86	34:25	118.58					60.0					
IS 13C-1,2,3,7,8,9-HxCDD	6.63e+06	1.25 y	0.81	34:45	121.27					61.4					
IS 13C-1,2,3,4,6,7,8-HpCDD	5.53e+06	1.04 y	0.65	38:08	124.57					63.1					
IS 13C-OCDD	7.08e+06	0.90 y	0.58	41:30	180.05					45.6					
IS 13C-2,3,7,8-TCDF	1.14e+07	0.79 y	1.03	25:52	119.56					60.5					
IS 13C-1,2,3,7,8-PeCDF	1.07e+07	1.62 y	0.85	29:49	135.63					68.7					
IS 13C-2,3,4,7,8-PeCDF	1.07e+07	1.59 y	0.85	30:41	137.06					69.4					
IS 13C-1,2,3,4,7,8-HxCDF	7.19e+06	0.50 y	0.83	33:23	127.43					64.5					
IS 13C-1,2,3,6,7,8-HxCDF	9.09e+06	0.52 y	1.03	33:31	129.57					65.6					
IS 13C-2,3,4,6,7,8-HxCDF	7.70e+06	0.51 y	0.95	34:09	119.09					60.3					
IS 13C-1,2,3,7,8,9-HxCDF	7.93e+06	0.52 y	0.83	35:10	141.32					71.5					
IS 13C-1,2,3,4,6,7,8-HpCDF	6.15e+06	0.43 y	0.76	36:59	119.72					60.6					
IS 13C-1,2,3,4,7,8,9-HpCDF	5.35e+06	0.41 y	0.58	38:43	135.60					68.6					
IS 13C-OCDF	9.01e+06	0.89 y	0.69	41:46	192.75					48.8					
C/Up 37Cl-2,3,7,8-TCDD	3.82e+06		1.20	26:36	51.139					64.7					
											Integrations		Reviewed		
											by		by		
RS/RT 13C-1,2,3,4-TCDD	1.23e+07	0.80 y	1.00	26:02	197.56						Analyst: <u>DB</u>		Analyst: <u>HC</u>		<u>CT</u>
RS 13C-1,2,3,4-TCDF	1.83e+07	0.83 y	1.00	24:42	197.56										
RS/RT 13C-1,2,3,4,6,9-HxCDF	1.34e+07	0.52 y	1.00	33:49	197.56										
											Date: <u>10/30/19</u>		Date: <u>10-31-19</u>		<u>10/31/19</u>

Totals class: TCDD EMPC

Entry #: 19

Run: 20 File: 191011D2 S: 15 I: 1 F: 1
 Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 5.7818

Unnamed Concentration: 5.519

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:24	3.560e+04	4.614e+04	0.77	y	8.174e+04	1.9512
23:44	1.145e+04	1.302e+04	0.88	y	2.447e+04	0.58413
24:07	3.892e+03	6.595e+03	0.59	n	8.947e+03	0.21357
24:47	5.695e+03	7.225e+03	0.79	y	1.292e+04	0.30841
25:11	6.263e+03	7.359e+03	0.85	y	1.362e+04	0.32518
26:22	4.010e+04	4.941e+04	0.81	y	8.951e+04	2.1366
26:35	4.788e+03	1.342e+04	0.36	n	1.101e+04	0.26273
						2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 20 File: 191011D2 S: 15 I: 1 F: 2
 Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 6.8674 Unnamed Concentration: 6.307

RT	m1 Resp	m2 Resp	RA		Resp Concentration		Name
28:56	2.745e+04	3.983e+04	0.69	y	6.728e+04	1.8339	
29:22	1.172e+04	1.534e+04	0.76	n	2.500e+04	0.68143	
29:49	1.531e+04	1.872e+04	0.82	n	3.051e+04	0.83160	
29:58	1.068e+04	1.644e+04	0.65	y	2.712e+04	0.73938	
30:04	8.377e+03	1.358e+04	0.62	y	2.196e+04	0.59857	
30:15	1.437e+04	2.587e+04	0.56	y	4.024e+04	1.0969	
30:57	8.577e+03	1.199e+04	0.72	y	2.056e+04	0.56054	1,2,3,7,8-PeCDD
31:01	2.576e+03	6.562e+03	0.39	n	6.664e+03	0.18166	
31:19	4.870e+03	1.213e+04	0.40	n	1.260e+04	0.34346	

Totals class: HxCDD EMPC

Entry #: 23

Run: 20 File: 191011D2 S: 15 I: 1 F: 3
 Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 66.089 Unnamed Concentration: 55.894

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:43	4.126e+05	3.328e+05	1.24	y	7.454e+05	24.126
33:18	5.356e+04	4.425e+04	1.21	y	9.781e+04	3.1657
33:35	4.198e+05	3.236e+05	1.30	y	7.435e+05	24.063
33:42	5.187e+04	4.117e+04	1.26	y	9.304e+04	3.0114
34:18	1.711e+04	1.613e+04	1.06	y	3.324e+04	1.2052 1,2,3,4,7,8-HxCDD
34:26	1.065e+05	9.156e+04	1.16	y	1.981e+05	6.0584 1,2,3,6,7,8-HxCDD
34:38	2.573e+04	2.149e+04	1.20	y	4.722e+04	1.5283
34:45	5.051e+04	4.413e+04	1.14	y	9.464e+04	2.9314 1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 20

File: 191011D2

S: 15 I: 1 F: 4

Acquired: 12-OCT-19 12:25:34

Processed: 14-OCT-19 10:39:31

Total Concentration: 546.00

Unnamed Concentration: 305.608

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
37:19	4.242e+06	4.129e+06	1.03	y	8.371e+06	305.61
38:08	3.353e+06	3.232e+06	1.04	y	6.585e+06	240.39

1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 20 File: 191011D2 S: 15 I: 1 F: 1
 Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 42.622

Unnamed Concentration: 30.170

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
21:26	9.830e+03	1.326e+04	0.74	y	2.309e+04	0.41974	
21:59	1.365e+04	1.381e+04	0.99	n	2.445e+04	0.44438	
22:36	6.360e+04	8.222e+04	0.77	y	1.458e+05	2.6506	
23:05	2.849e+04	3.601e+04	0.79	y	6.450e+04	1.1723	
23:24	9.096e+04	1.094e+05	0.83	y	2.003e+05	3.6413	
23:46	3.389e+04	4.150e+04	0.82	y	7.539e+04	1.3703	
23:53	8.803e+03	1.013e+04	0.87	y	1.893e+04	0.34416	
24:03	1.961e+04	1.917e+04	1.02	n	3.394e+04	0.61687	
24:26	1.631e+04	2.218e+04	0.74	y	3.848e+04	0.69951	
24:41	8.834e+04	1.164e+05	0.76	y	2.047e+05	3.7205	
25:07	2.438e+05	3.096e+05	0.79	y	5.534e+05	10.059	
25:21	1.568e+04	2.327e+04	0.67	y	3.895e+04	0.70801	
25:45	5.249e+04	6.667e+04	0.79	y	1.192e+05	2.1658	
25:53	2.998e+05	3.852e+05	0.78	y	6.850e+05	12.451	2,3,7,8-TCDF
26:10	2.293e+04	3.220e+04	0.71	y	5.513e+04	1.0021	
27:33	3.829e+04	3.592e+04	1.07	n	6.359e+04	1.1558	

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 20 File: 191011D2 S: 15 I: 1 F: 1
Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 6.3714 Unnamed Concentration: 6.371

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:31	2.142e+05	1.272e+05	1.68 y	3.415e+05	6.3714

Totals class: PeCDF EMPC

Entry #: 31

Run: 20 File: 191011D2 S: 15 I: 1 F: 2
 Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 131.76 Unnamed Concentration: 44.746

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:47	3.053e+04	2.258e+04	1.35	y	5.311e+04	0.99095
28:56	6.284e+05	4.102e+05	1.53	y	1.039e+06	19.378
29:27	6.302e+04	4.104e+04	1.54	y	1.041e+05	1.9415
29:38	5.535e+04	3.894e+04	1.42	y	9.429e+04	1.7594
29:49	2.467e+06	1.541e+06	1.60	y	4.008e+06	76.975 1,2,3,7,8-PeCDF
30:03	3.551e+05	2.207e+05	1.61	y	5.758e+05	10.743
30:40	3.338e+05	2.196e+05	1.52	y	5.534e+05	10.038 2,3,4,7,8-PeCDF
30:44	3.321e+05	2.002e+05	1.66	y	5.323e+05	9.9322

Totals class: HxCDF EMPC

Entry #: 33

Run: 20 File: 191011D2 S: 15 I: 1 F: 3
Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

Total Concentration: 830.38

Unnamed Concentration: 74.744

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:11	1.042e+05	9.131e+04	1.14	y	1.955e+05	4.3882
32:21	7.956e+05	6.563e+05	1.21	y	1.452e+06	32.583
32:55	6.996e+05	5.663e+05	1.24	y	1.266e+06	28.410
33:24	1.416e+07	1.134e+07	1.25	y	2.550e+07	595.52 1,2,3,4,7,8-HxCDF
33:32	3.585e+06	3.153e+06	1.14	y	6.738e+06	136.98 1,2,3,6,7,8-HxCDF
34:10	3.184e+05	2.675e+05	1.19	y	5.859e+05	13.498 2,3,4,6,7,8-HxCDF
35:09	2.268e+05	1.842e+05	1.23	y	4.110e+05	9.6409 1,2,3,7,8,9-HxCDF
35:13	2.351e+05	1.821e+05	1.29	y	4.172e+05	9.3624

Totals class: HpCDF EMPC

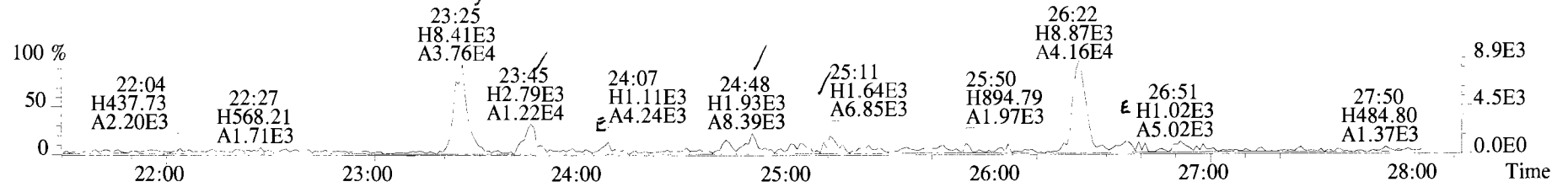
Entry #: 35

Run: 20 File: 191011D2 S: 15 I: 1 F: 4
Acquired: 12-OCT-19 12:25:34 Processed: 14-OCT-19 10:39:31

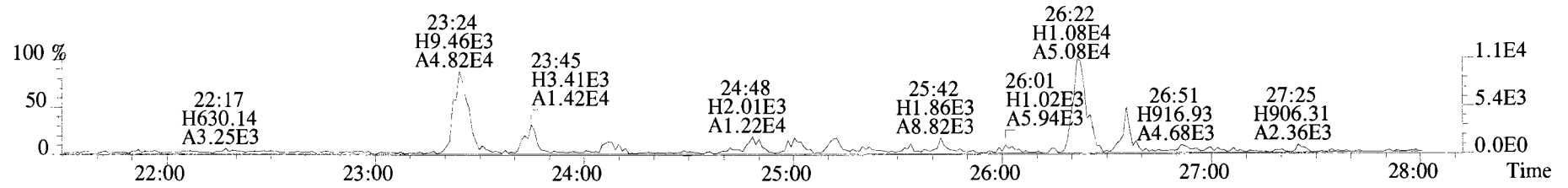
Total Concentration: 782.92 Unnamed Concentration: 148.972

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:59	9.365e+06	9.349e+06	1.00	y	1.871e+07	533.04 1,2,3,4,6,7,8-HpCDF ⁸
37:19	8.217e+04	7.061e+04	1.16	y	1.528e+05	4.3986
37:30	2.532e+06	2.489e+06	1.02	y	5.022e+06	144.57
38:44	1.734e+06	1.761e+06	0.98	y	3.495e+06	100.91 1,2,3,4,7,8,9-HpCDF

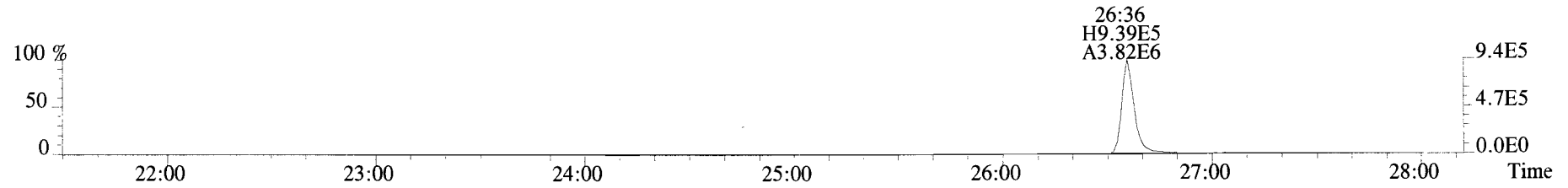
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



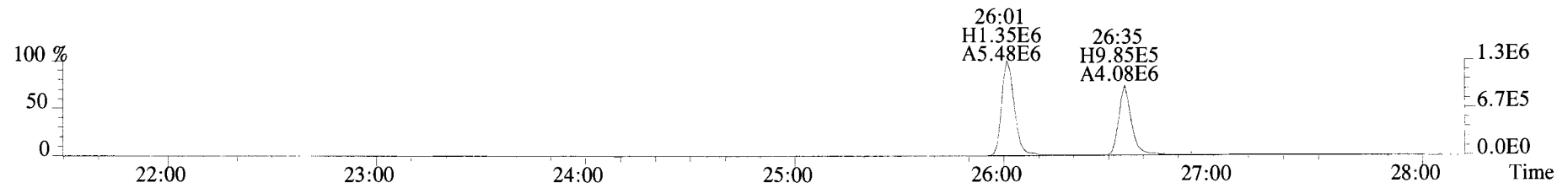
321.8936 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



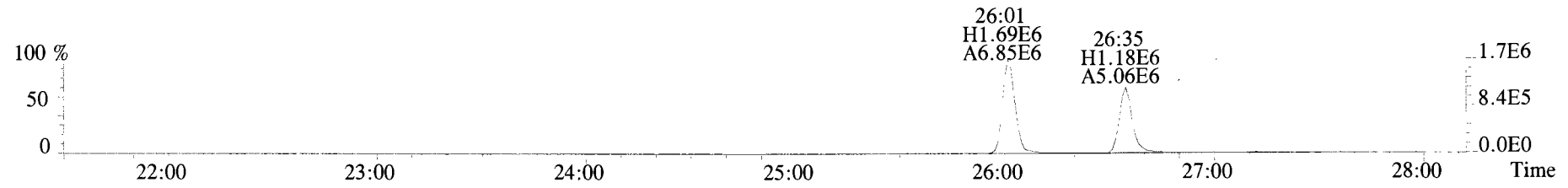
327.8847 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



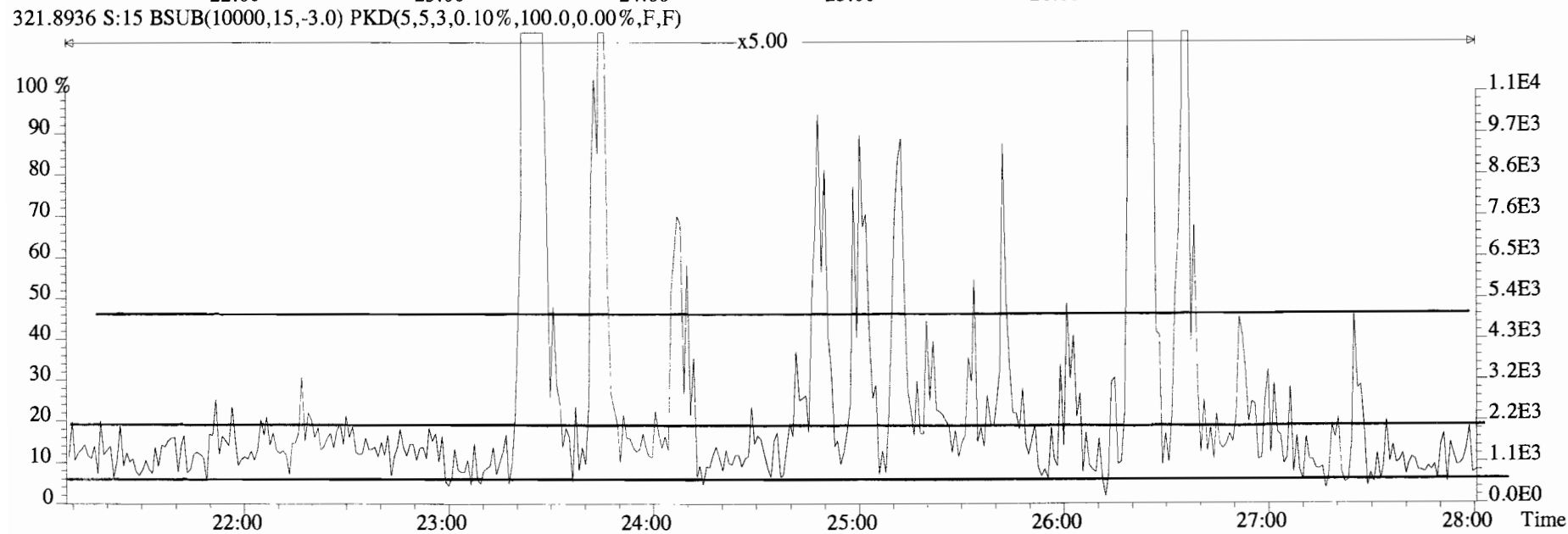
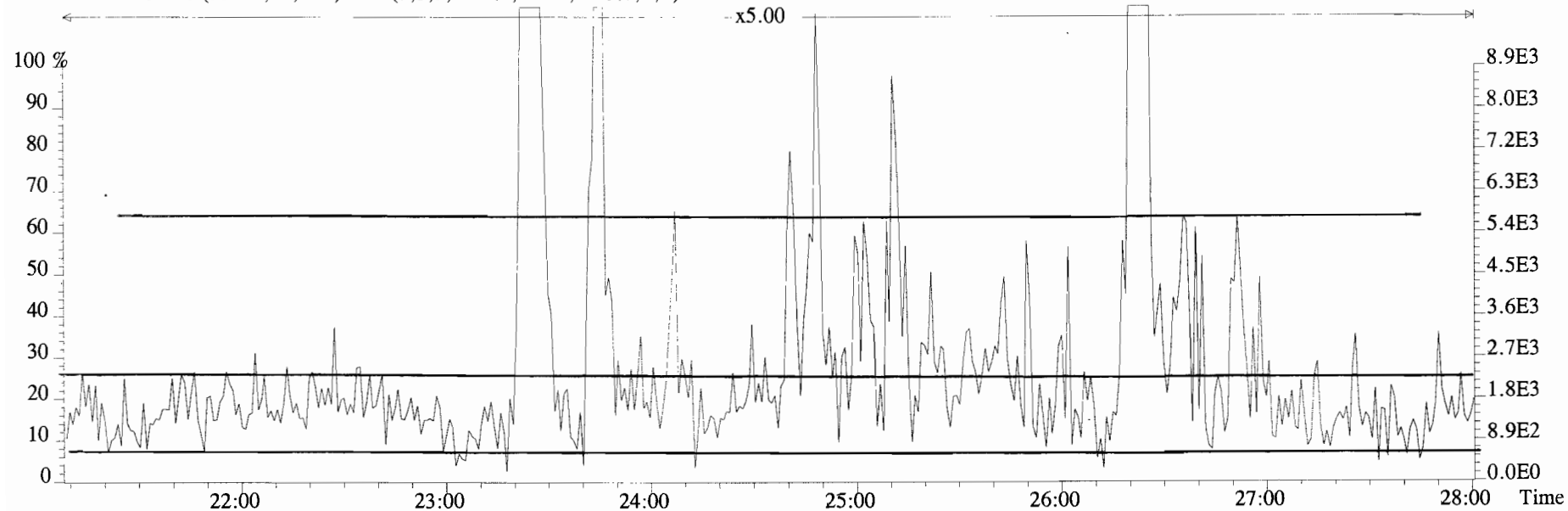
331.9368 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



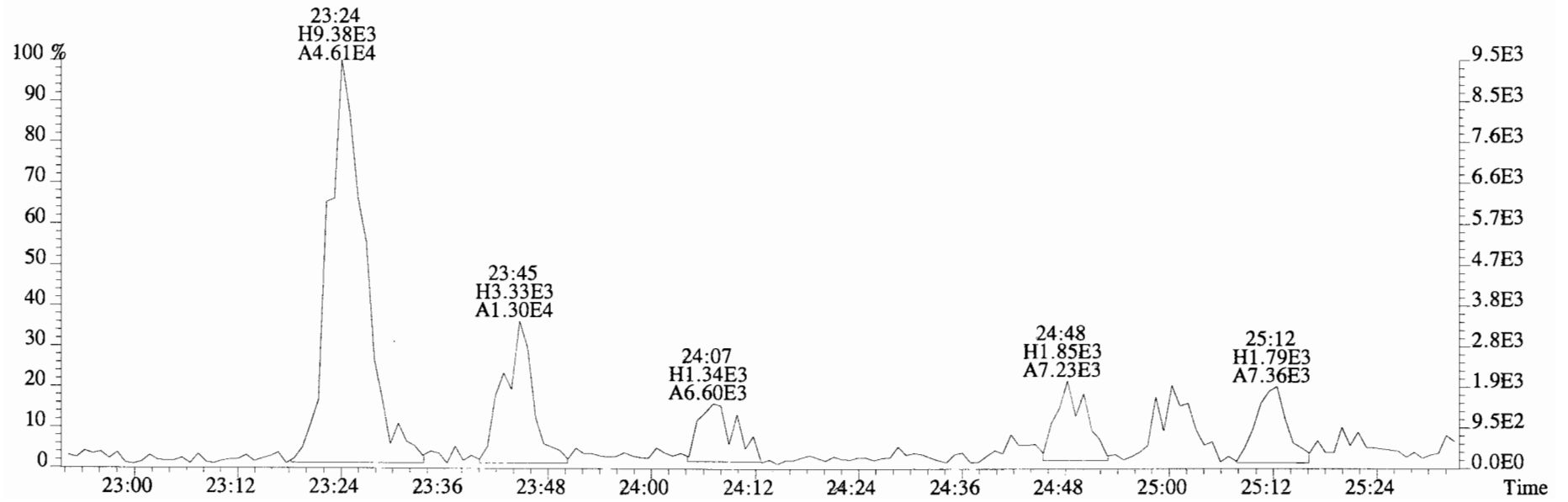
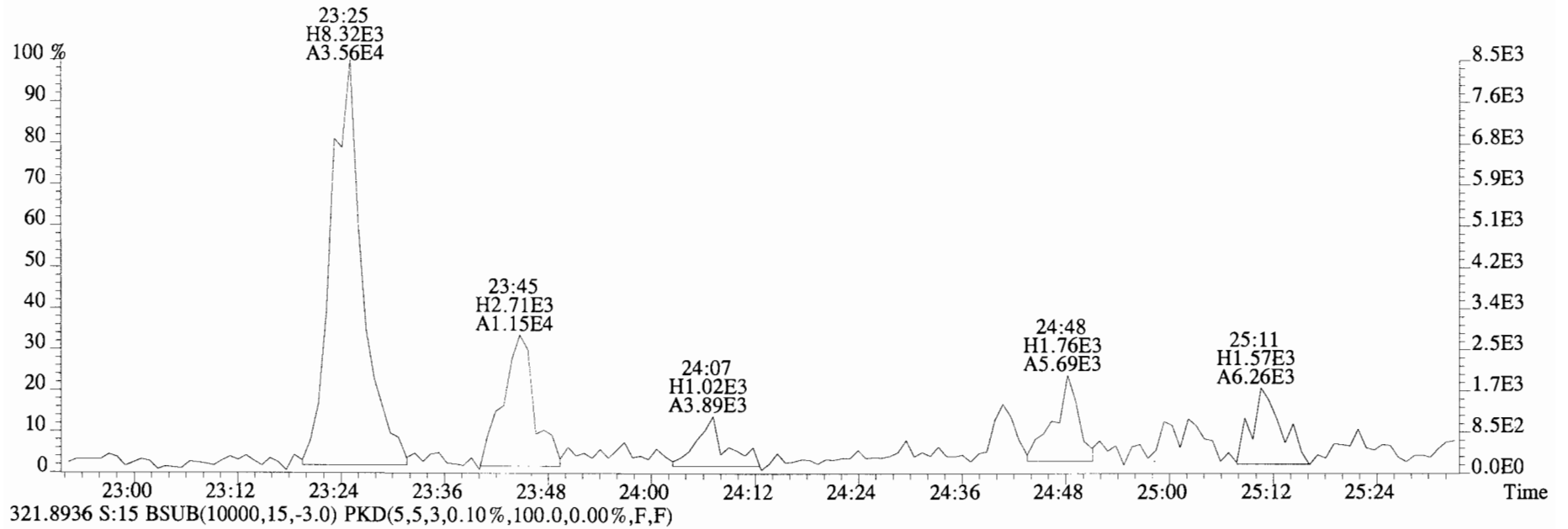
333.9339 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



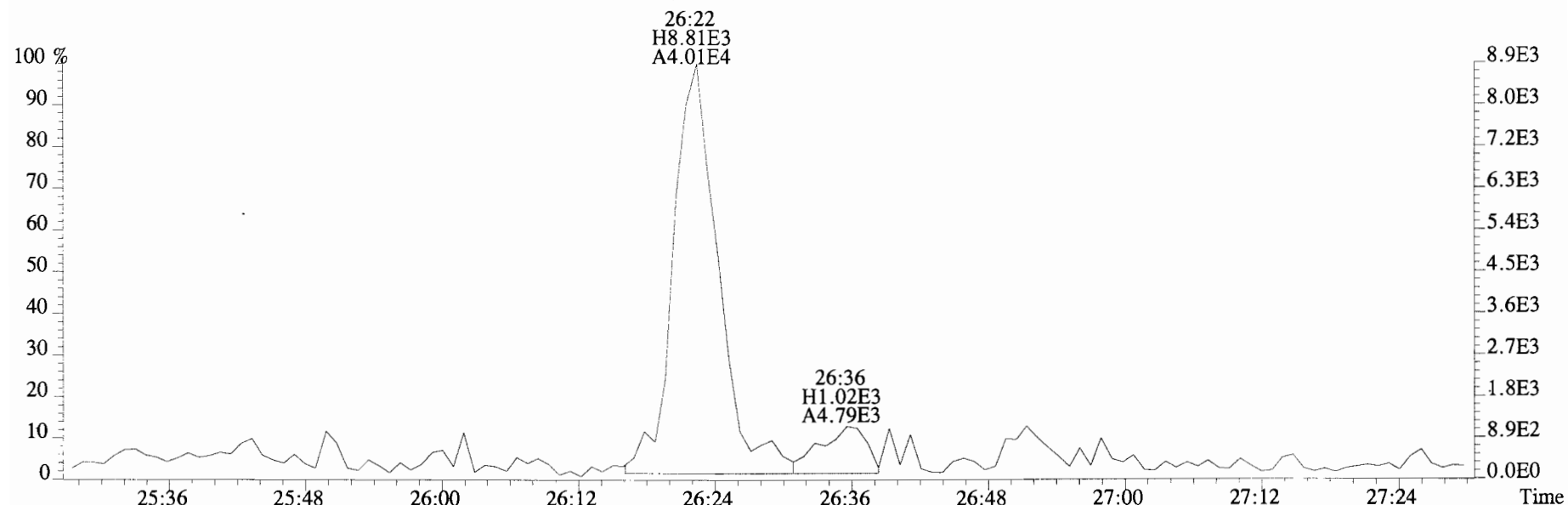
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



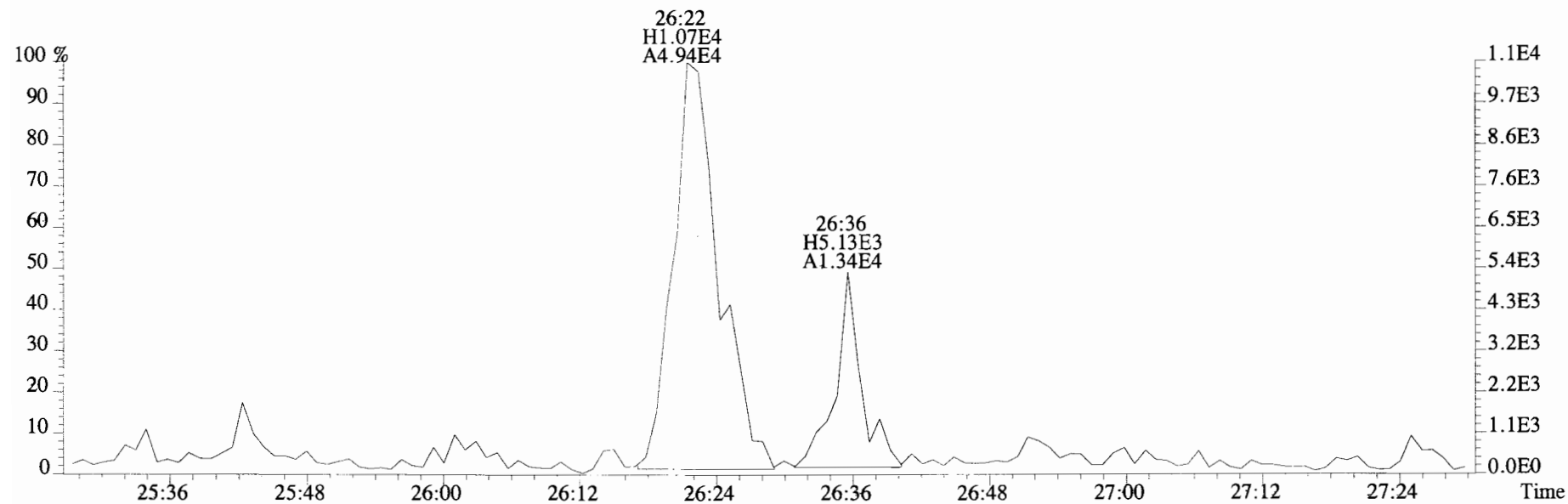
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text: Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



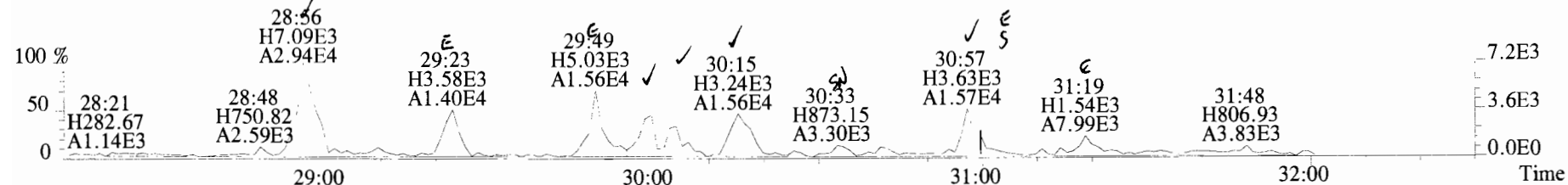
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



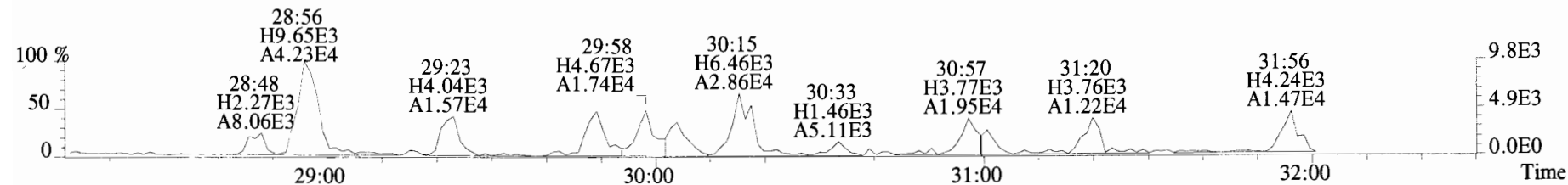
321.8936 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



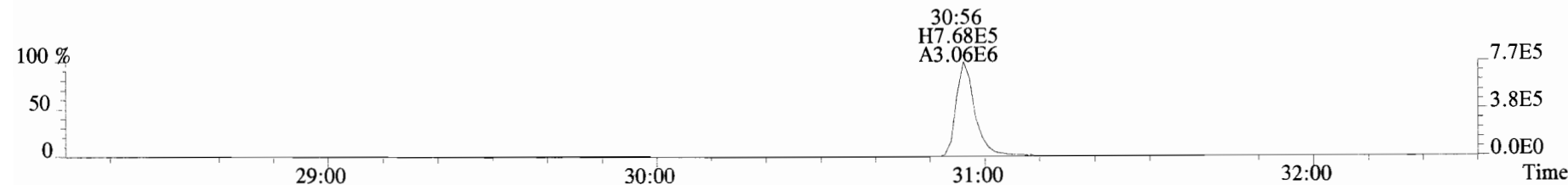
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 353.8576 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



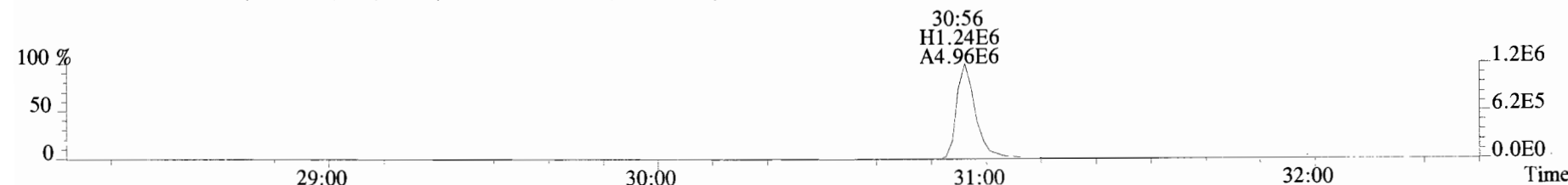
355.8546 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



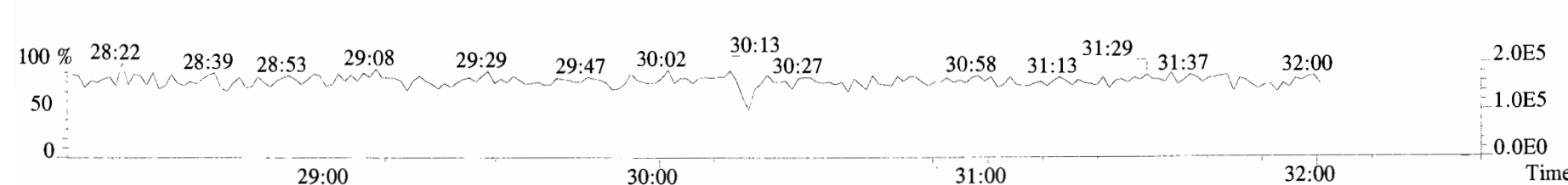
365.8978 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



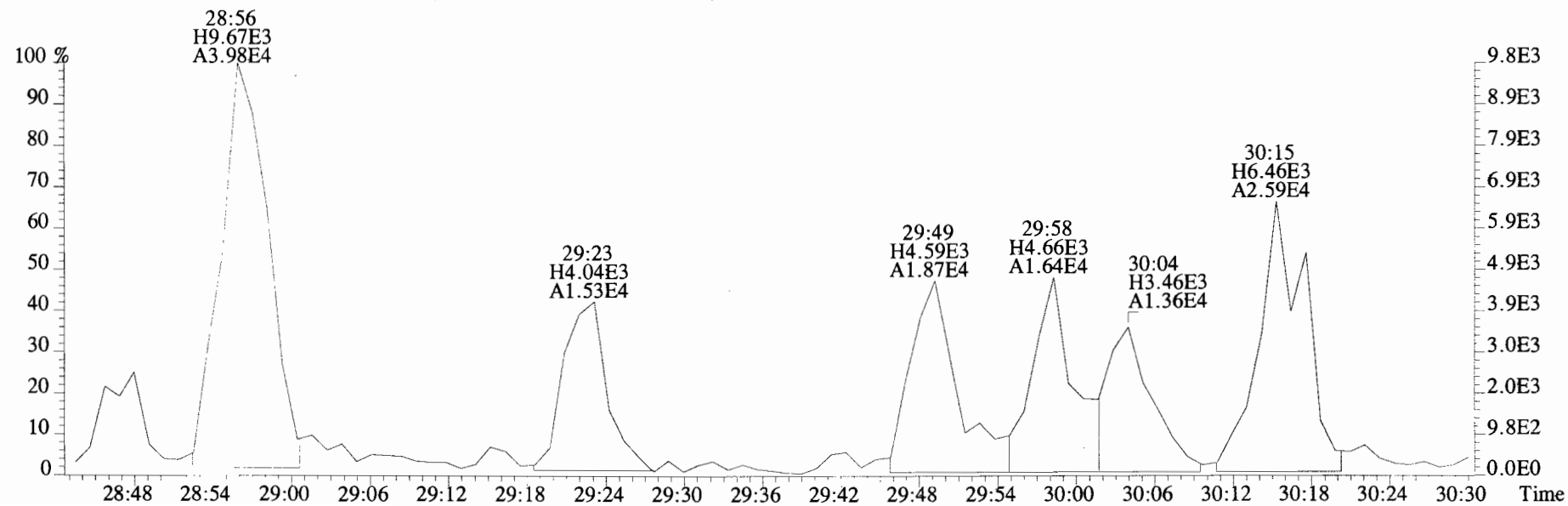
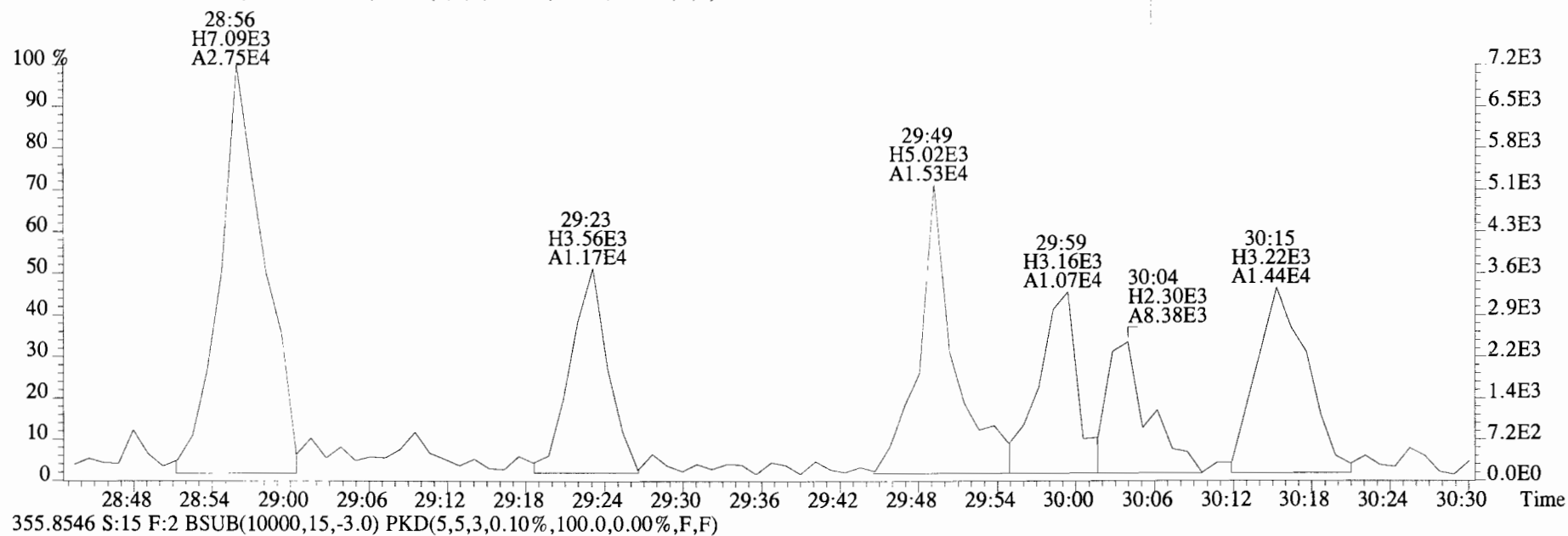
367.8949 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



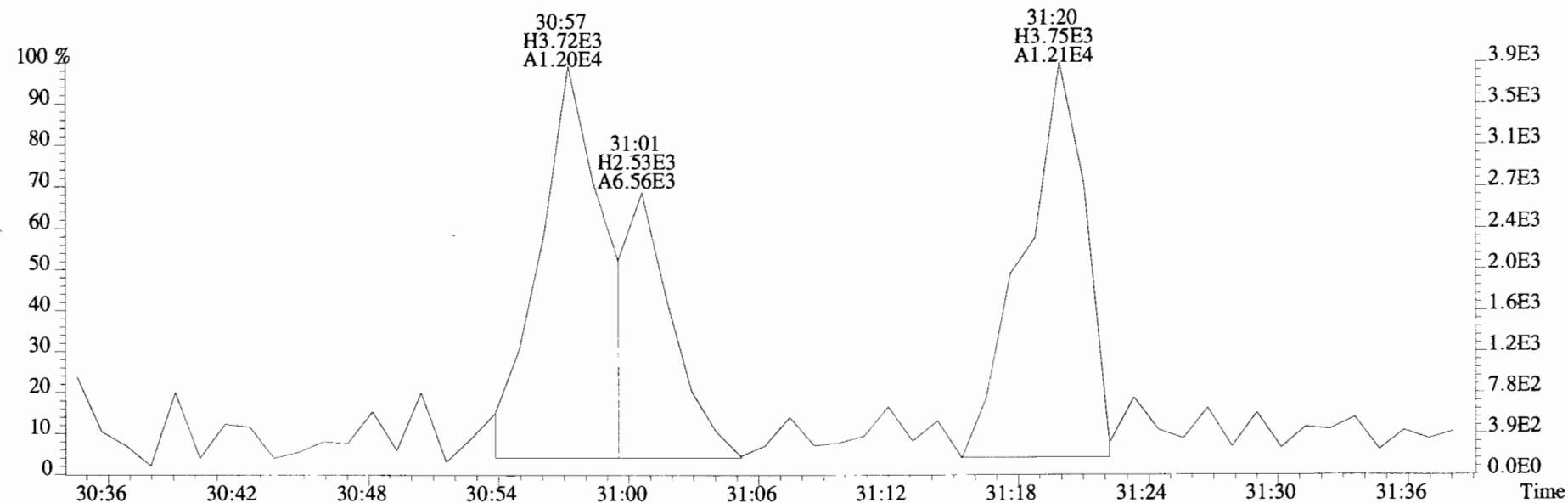
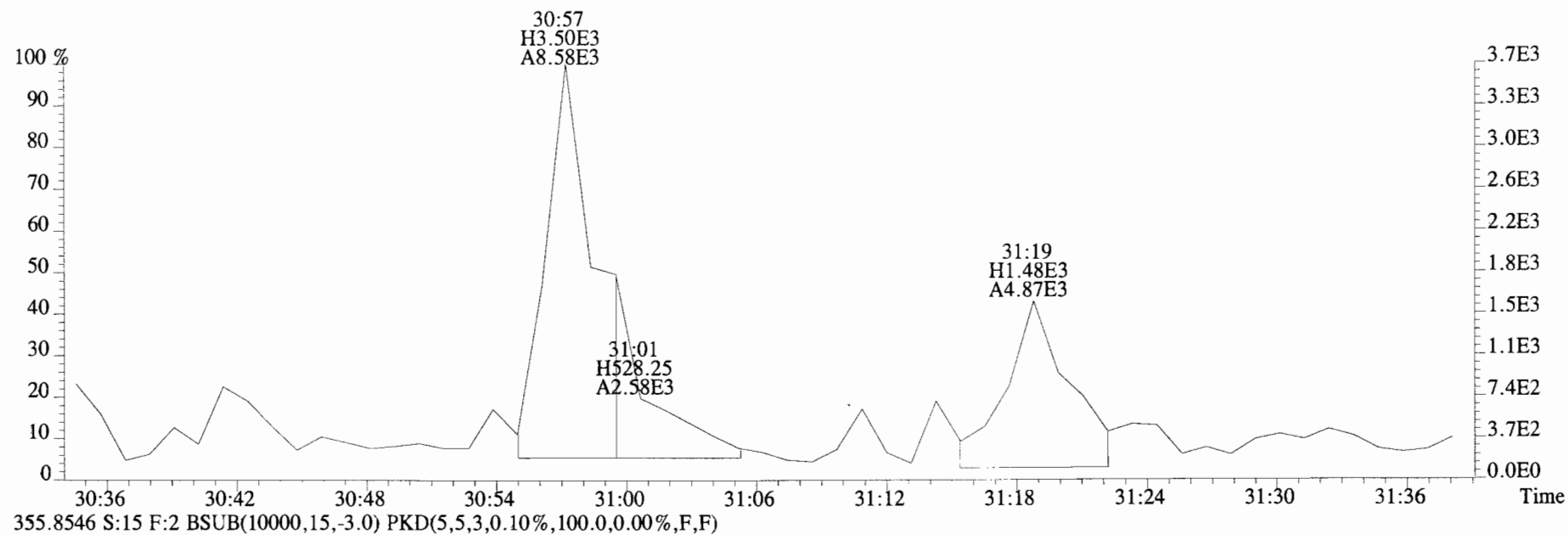
366.9792 S:15 F:2



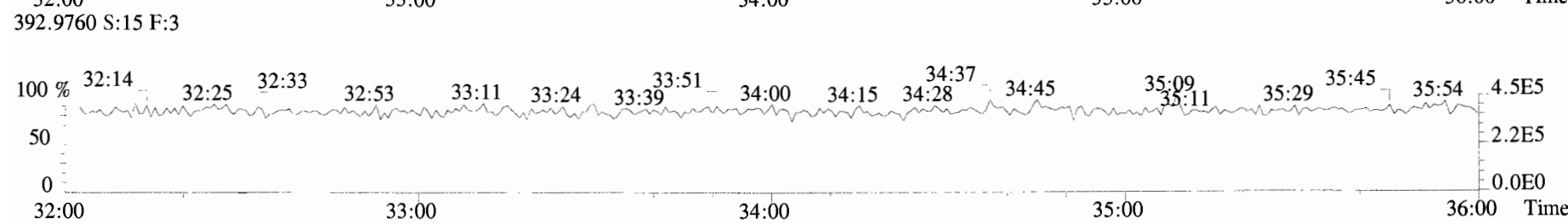
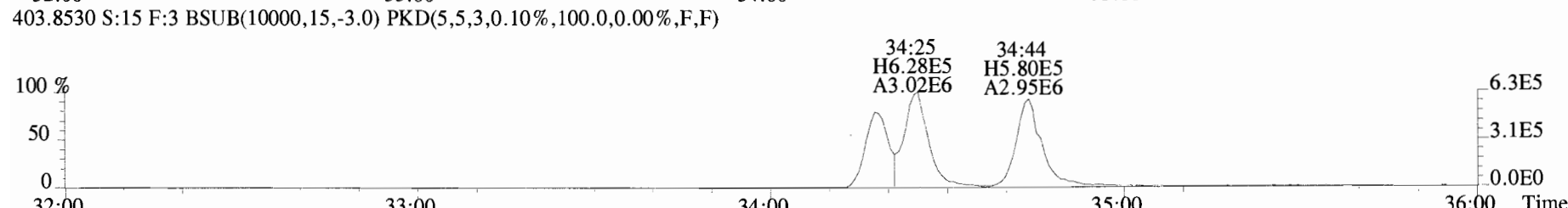
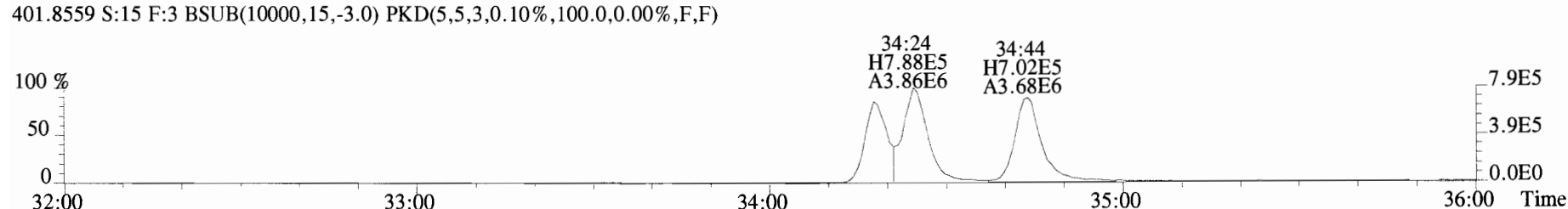
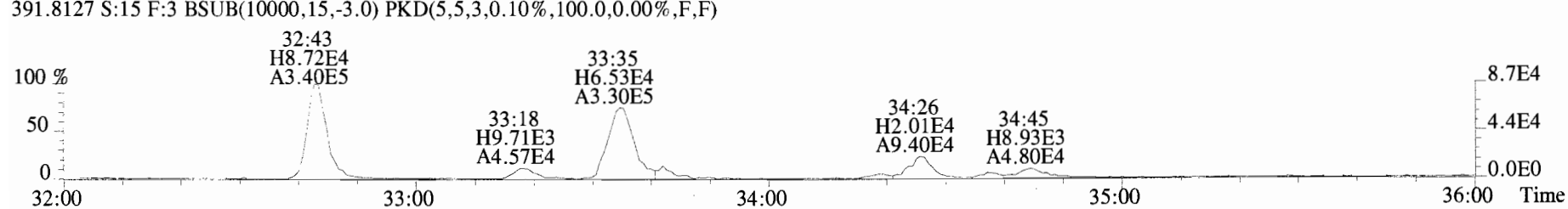
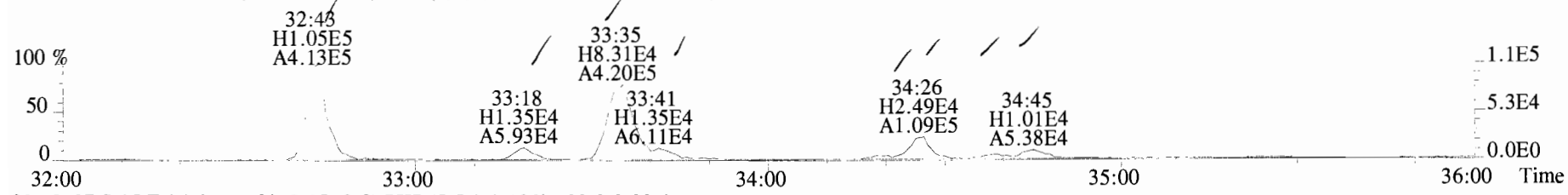
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 353.8576 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



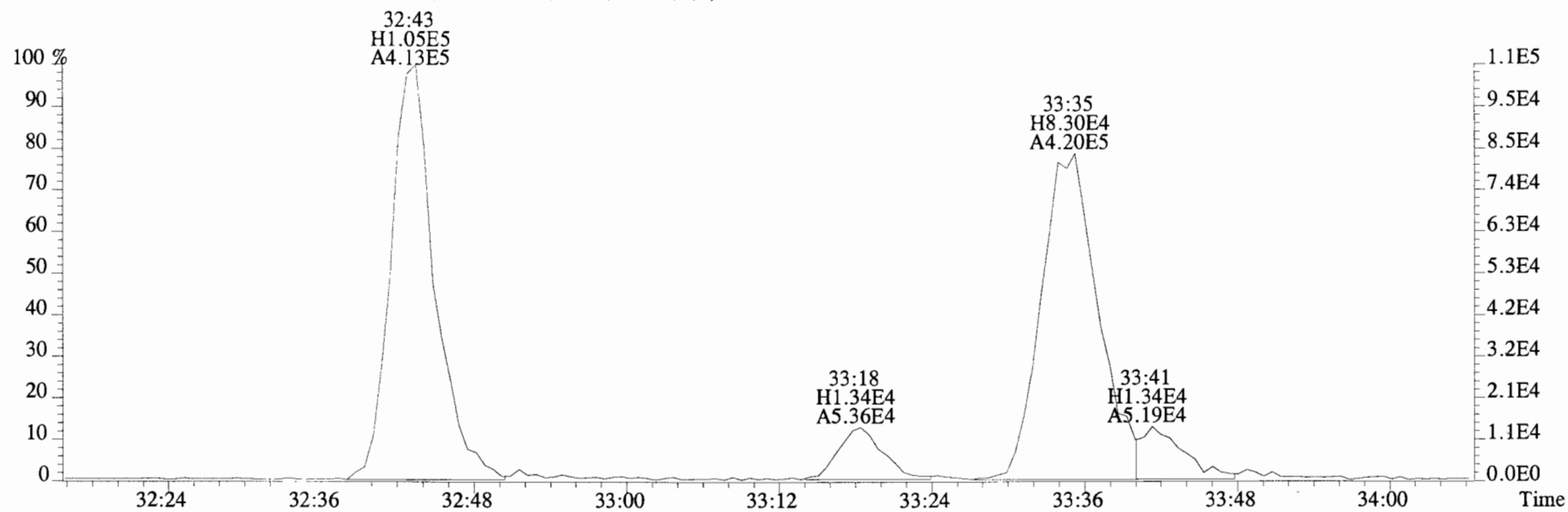
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 353.8576 S:15 F:2 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



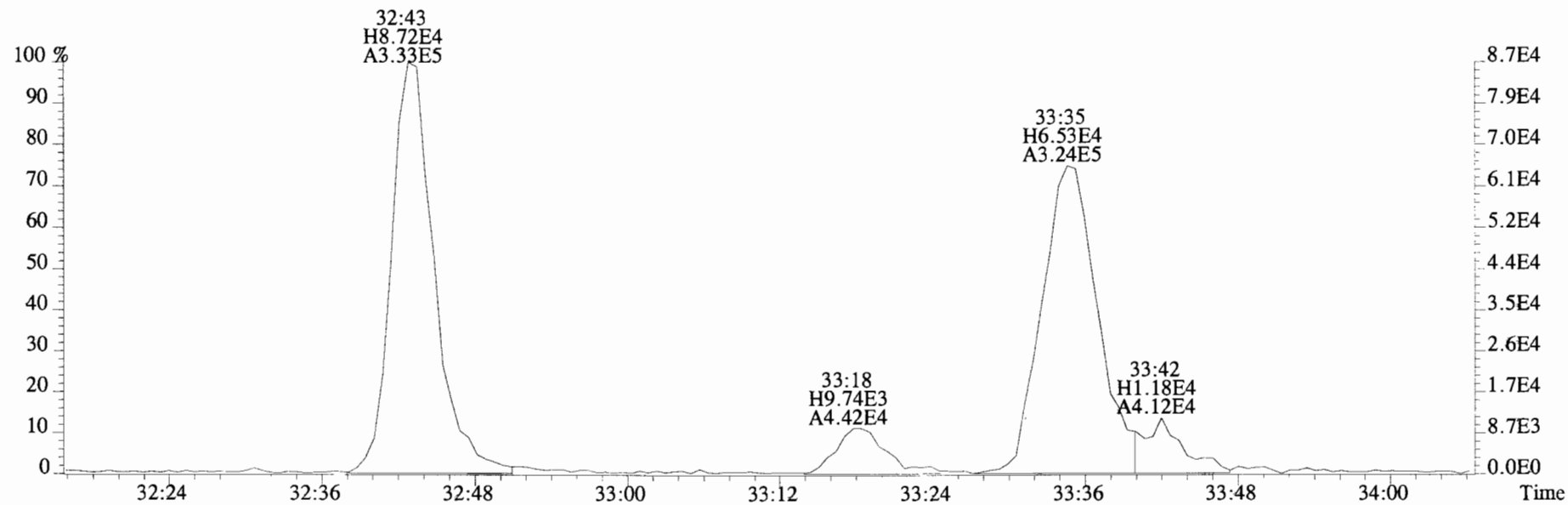
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 389.8156 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



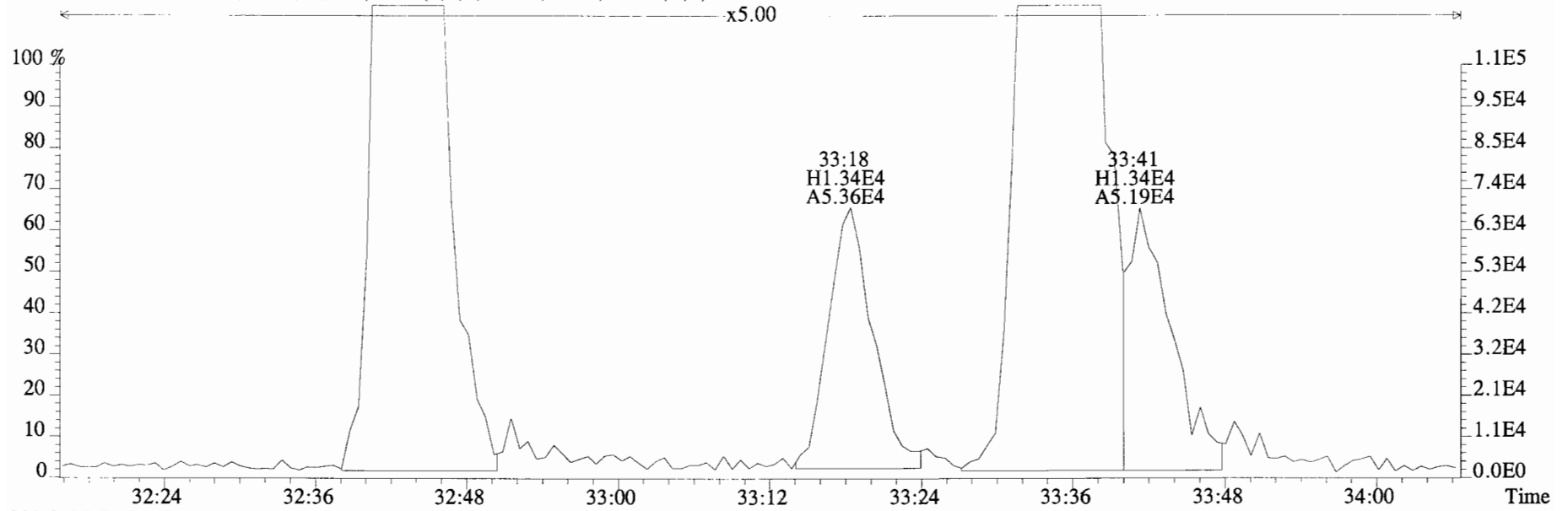
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
389.8156 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



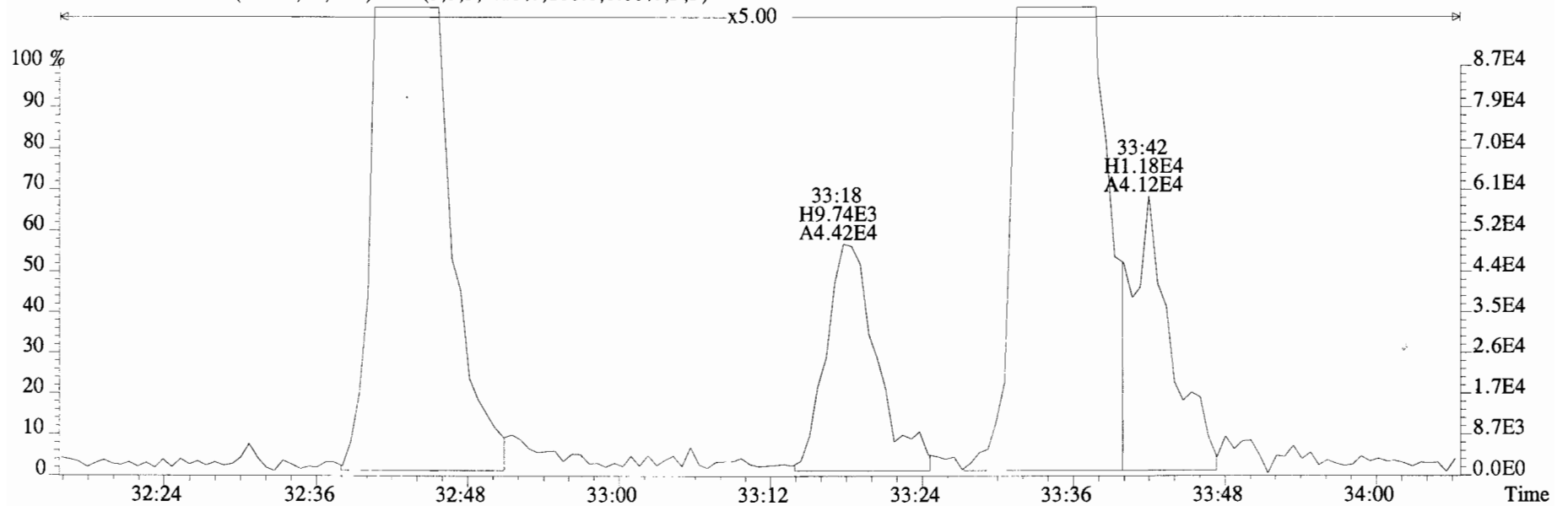
391.8127 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



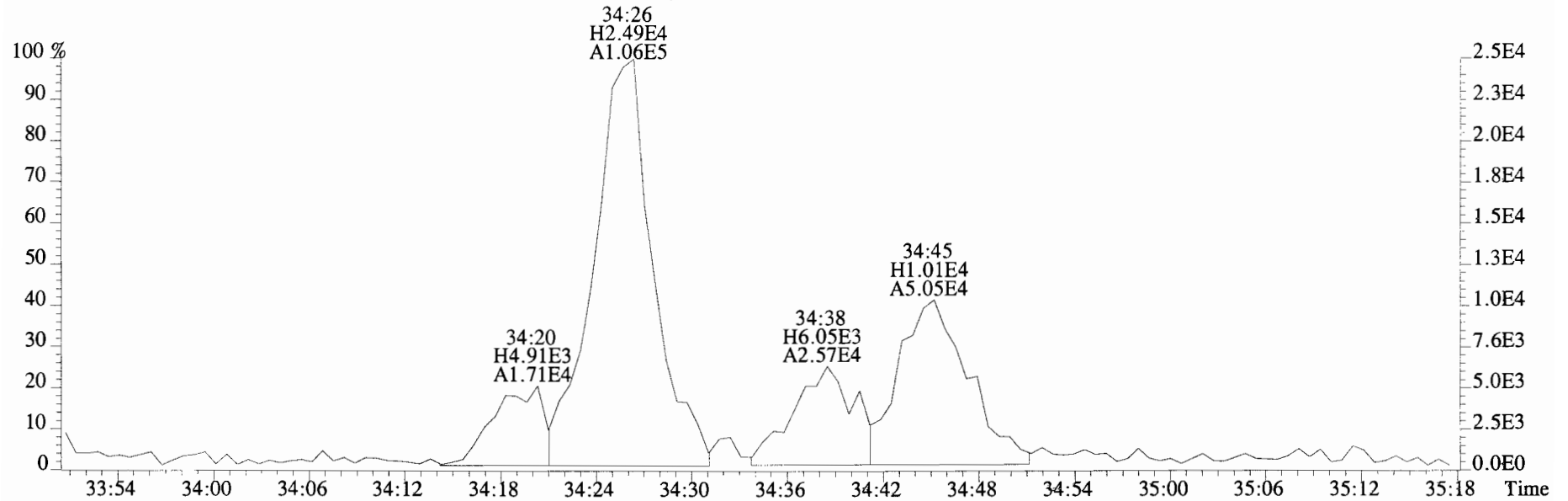
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
389.8156 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



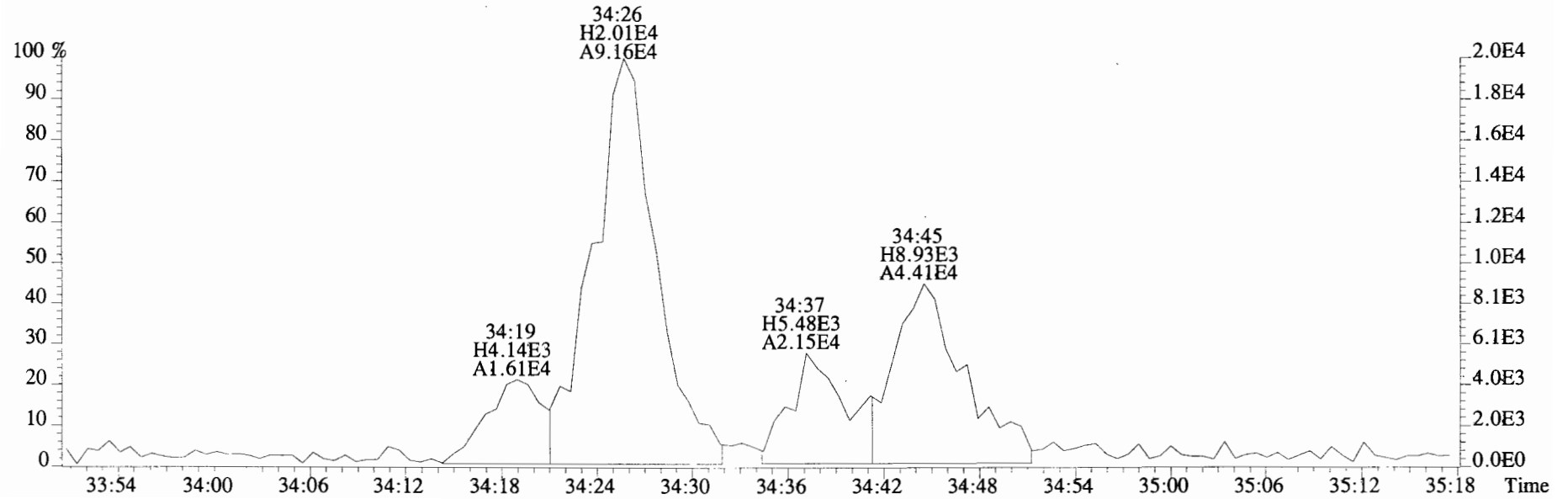
391.8127 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



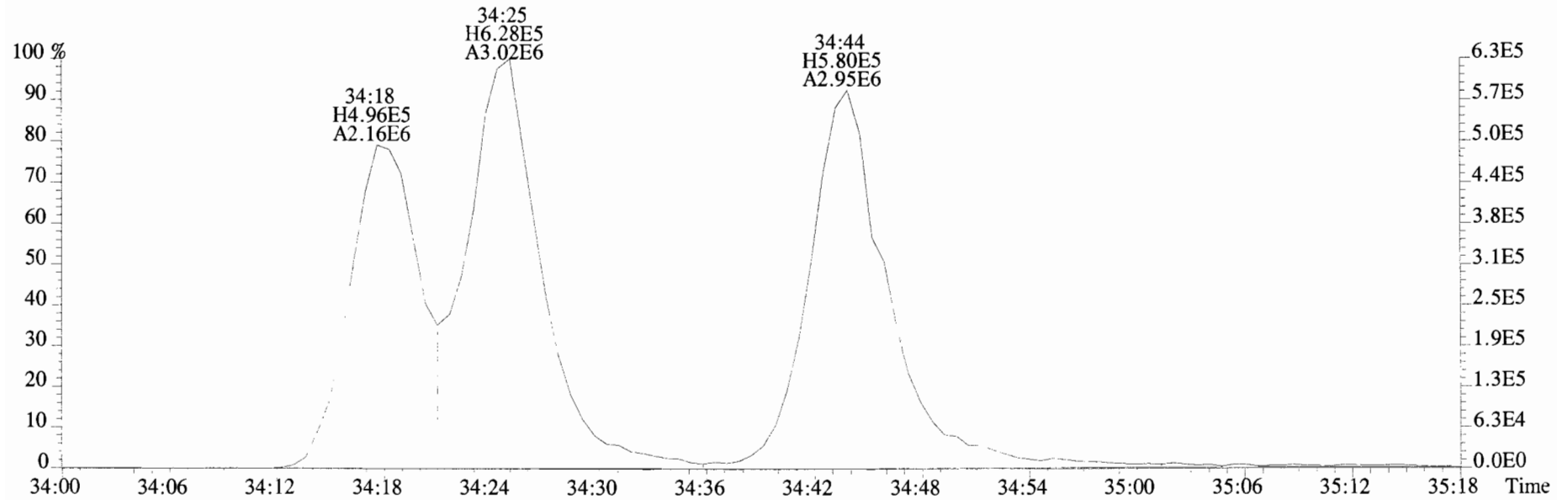
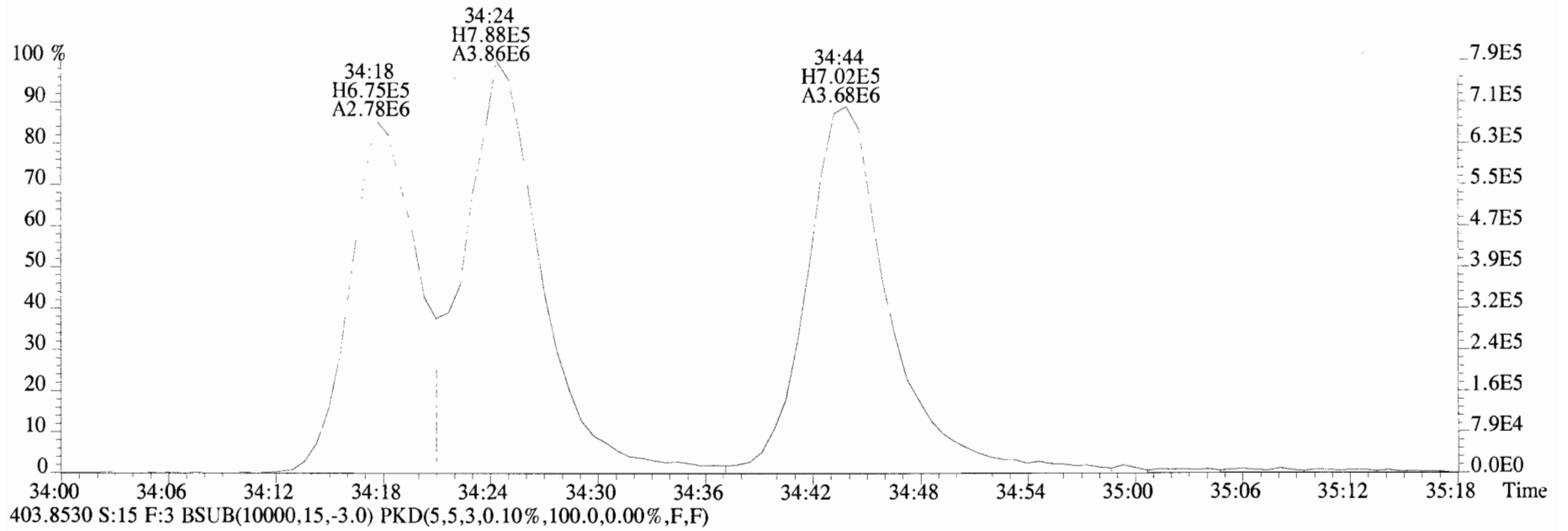
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
389.8156 S:15 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



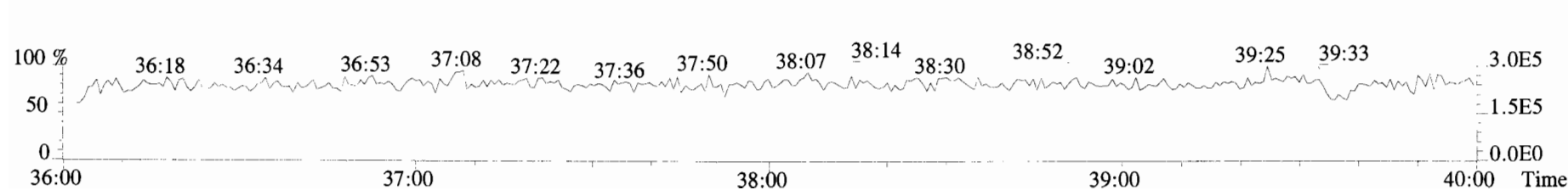
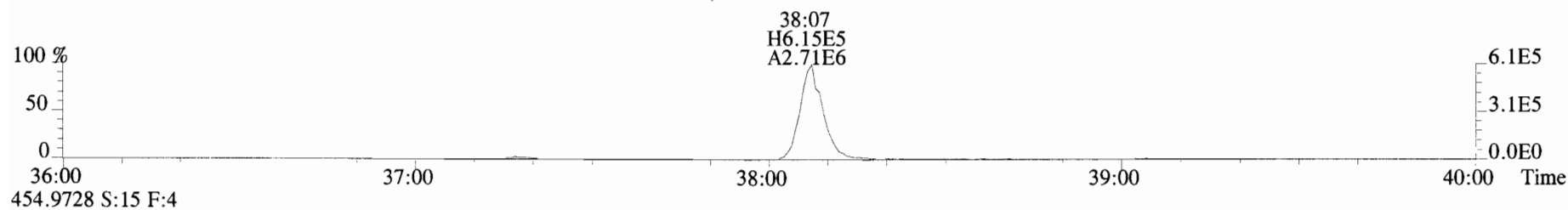
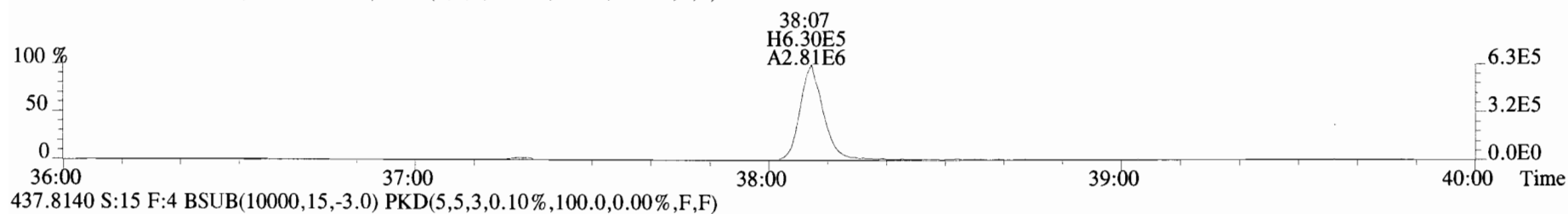
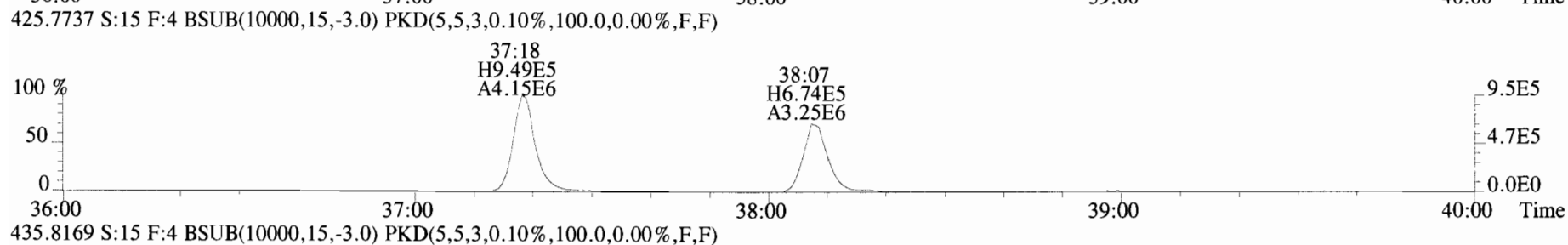
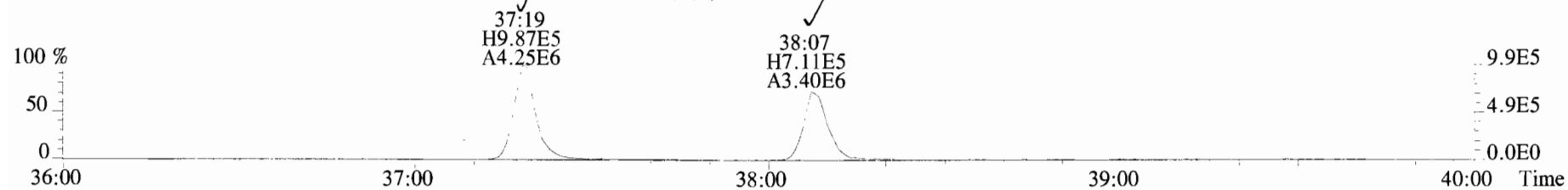
391.8127 S:15 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



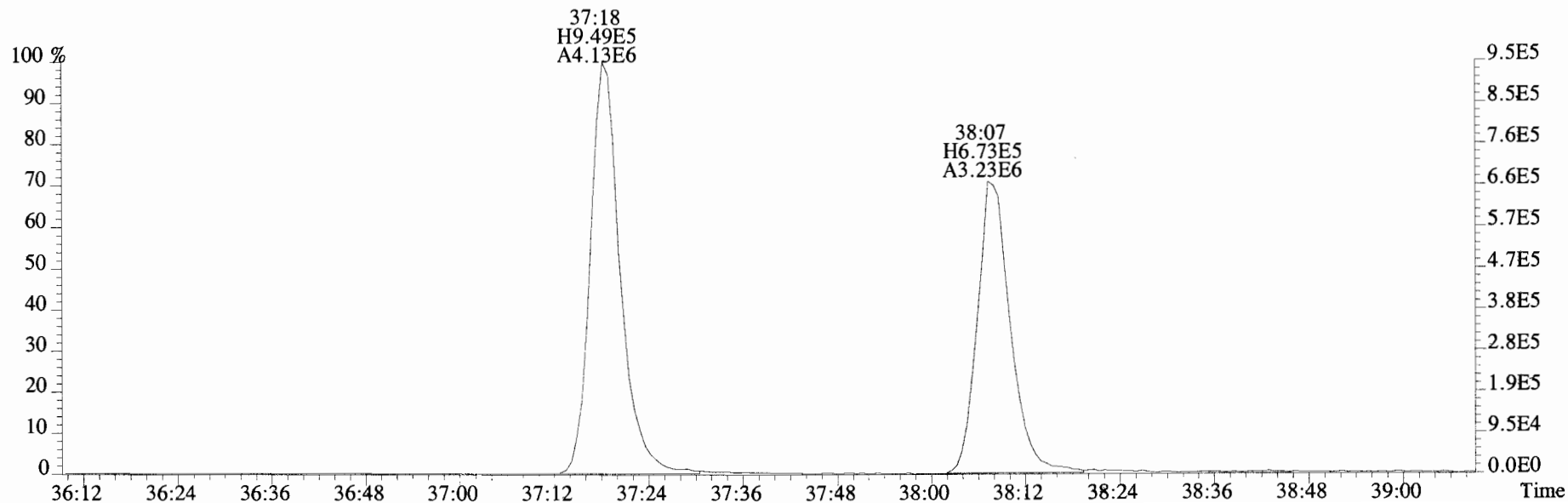
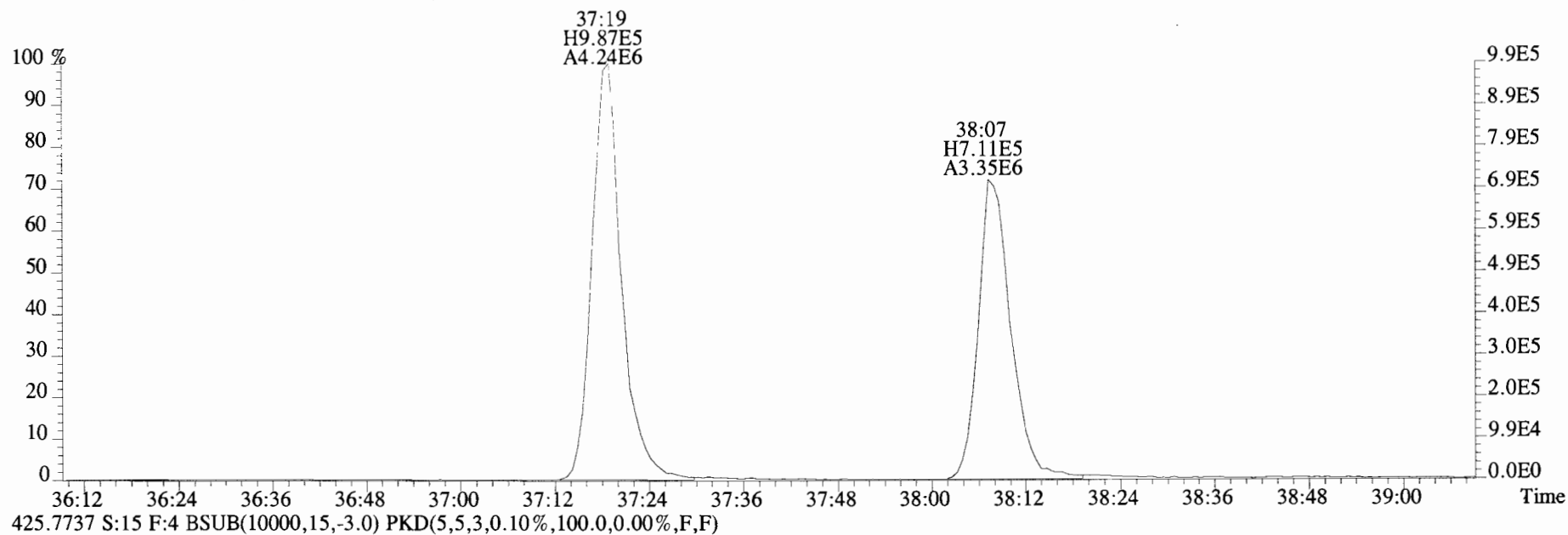
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
401.8559 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



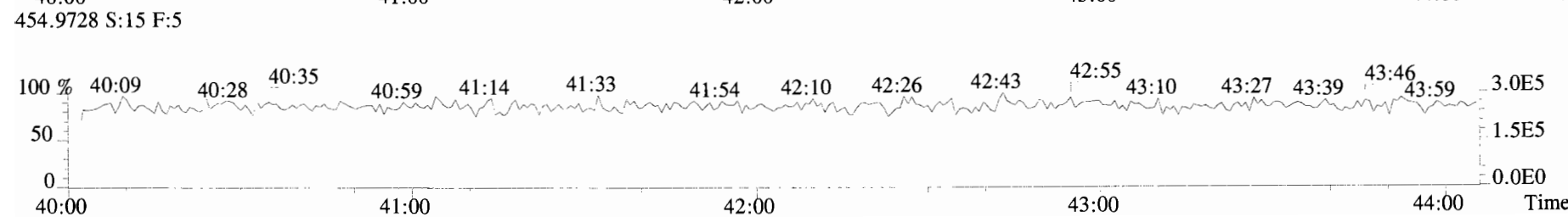
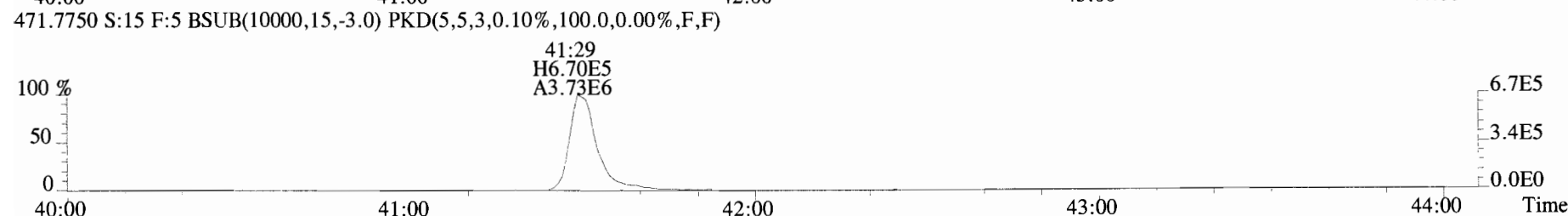
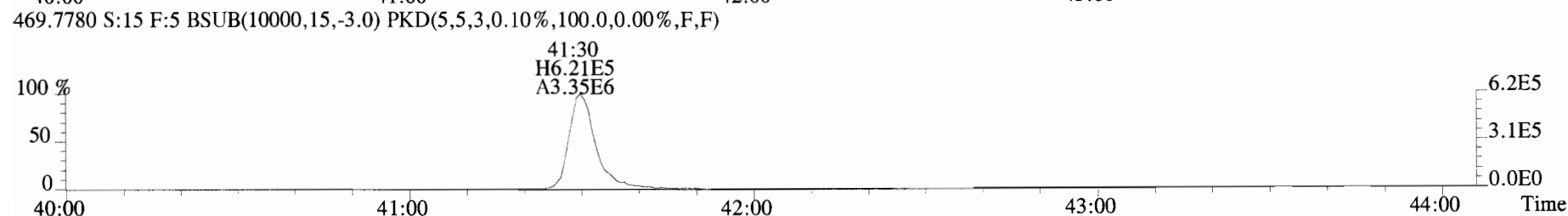
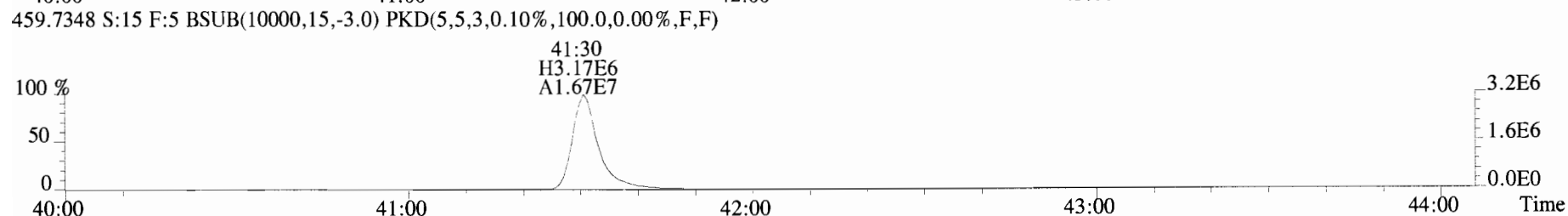
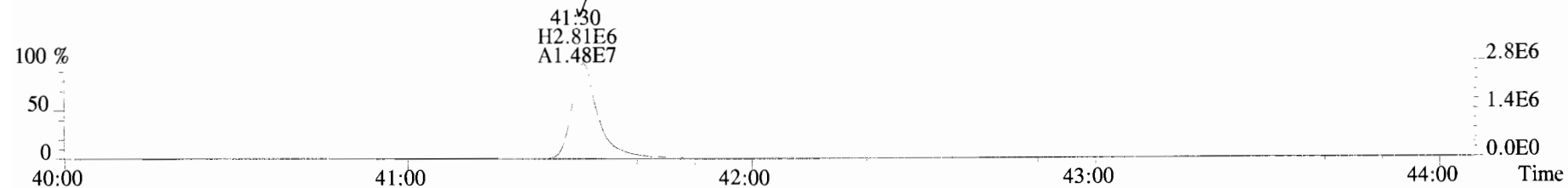
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
423.7767 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



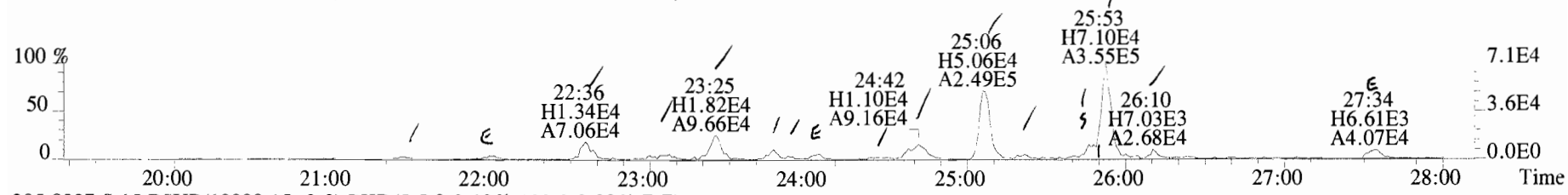
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
423.7767 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



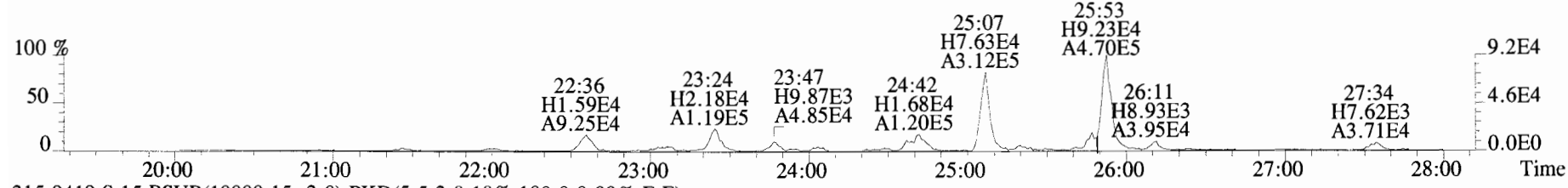
File:191011D2 #1-432 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
457.7377 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



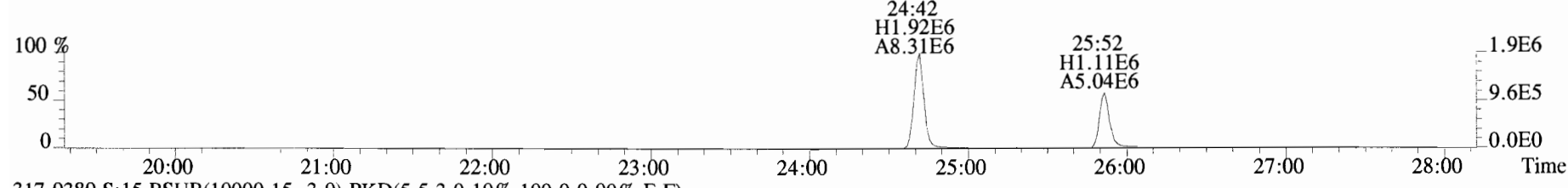
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



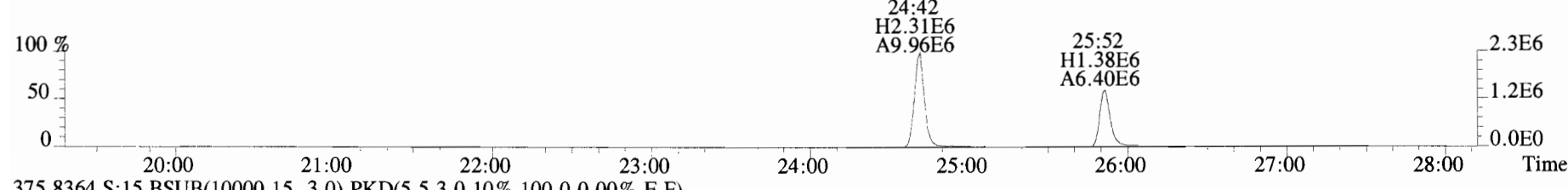
305.8987 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



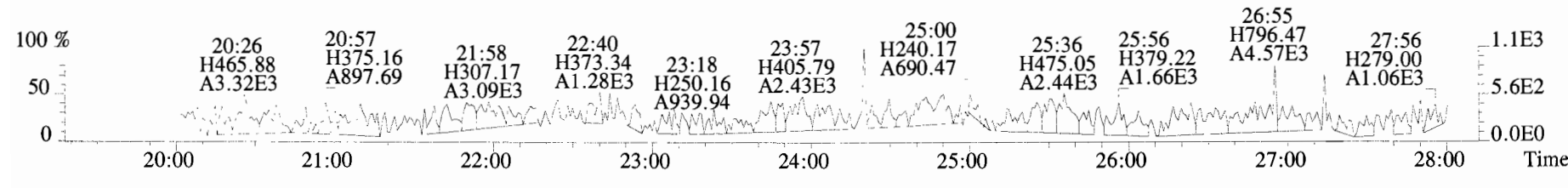
315.9419 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



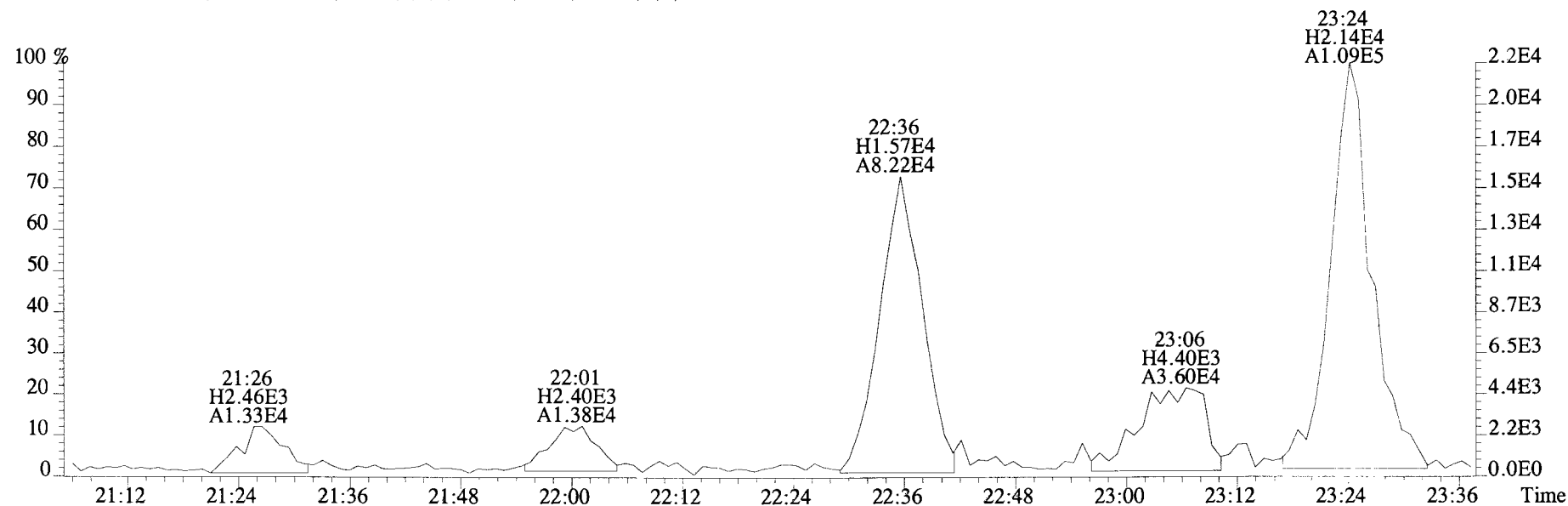
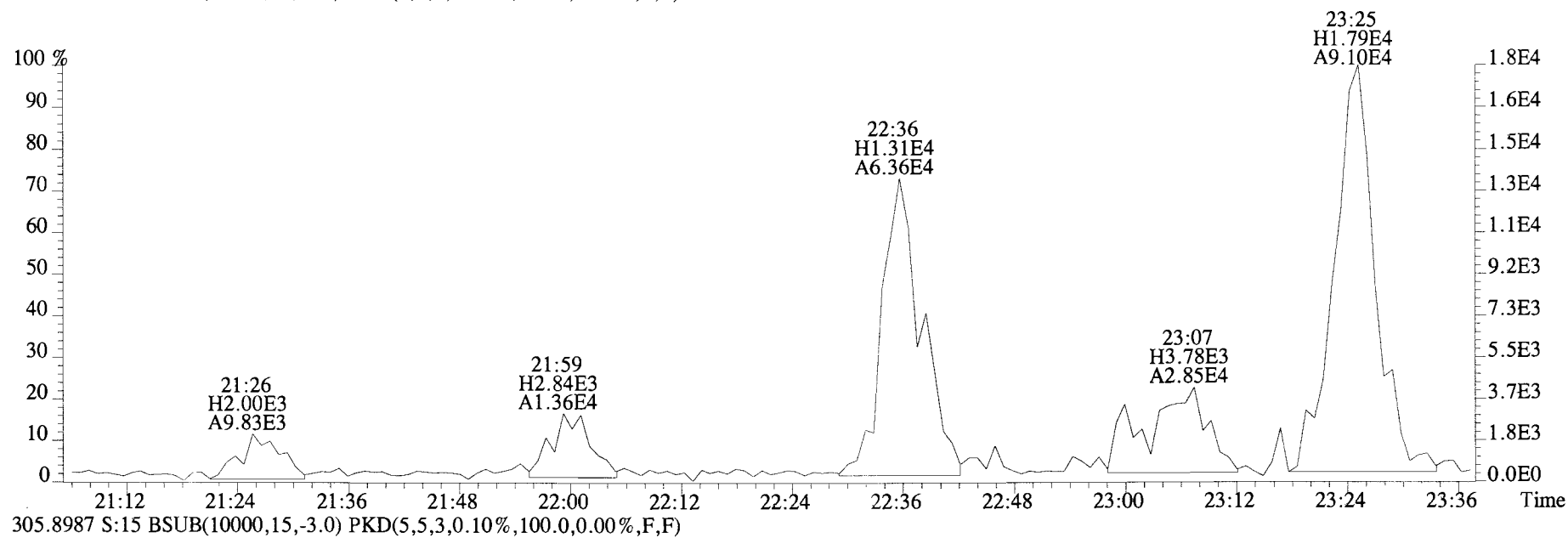
317.9389 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



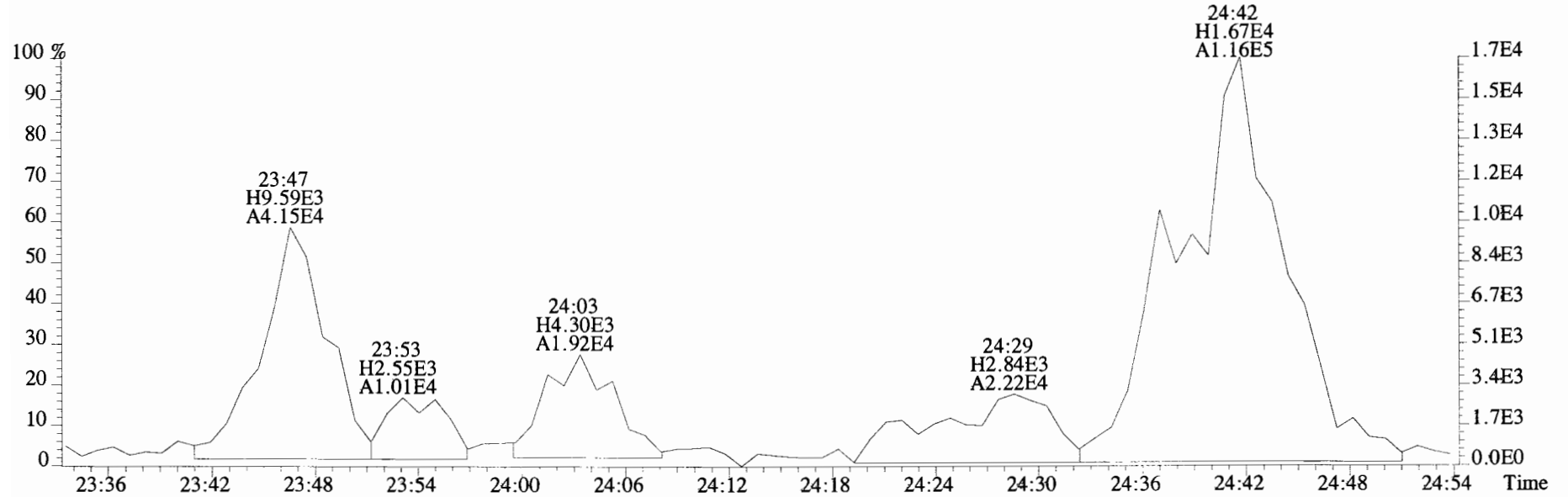
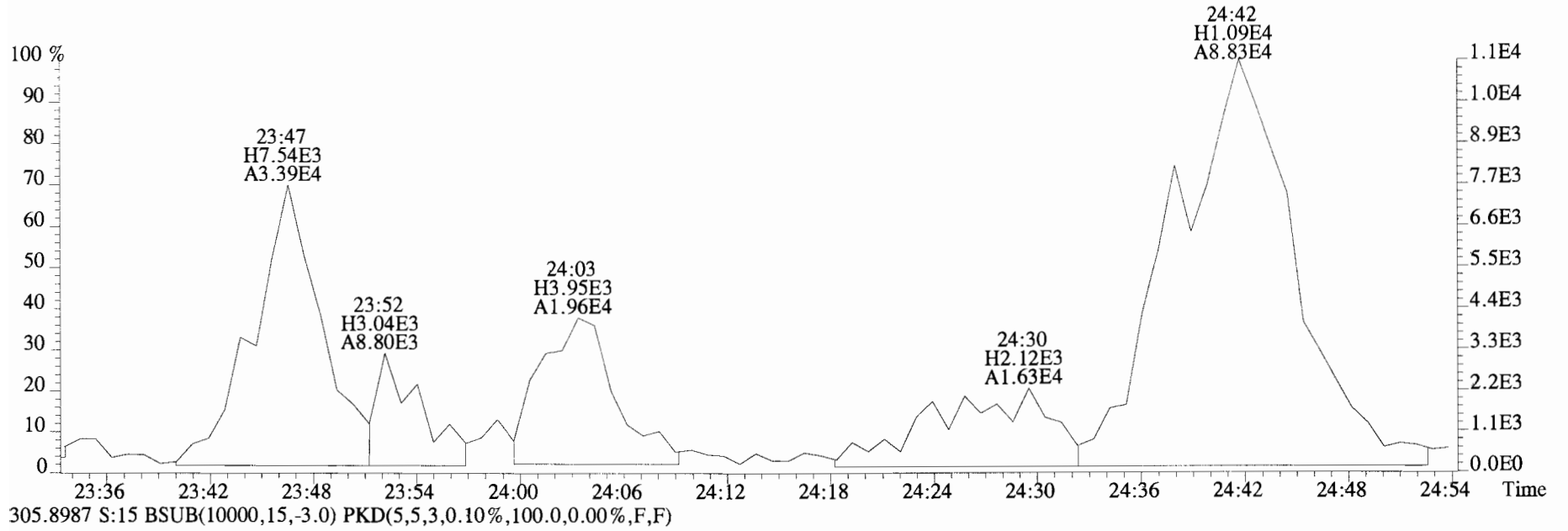
375.8364 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



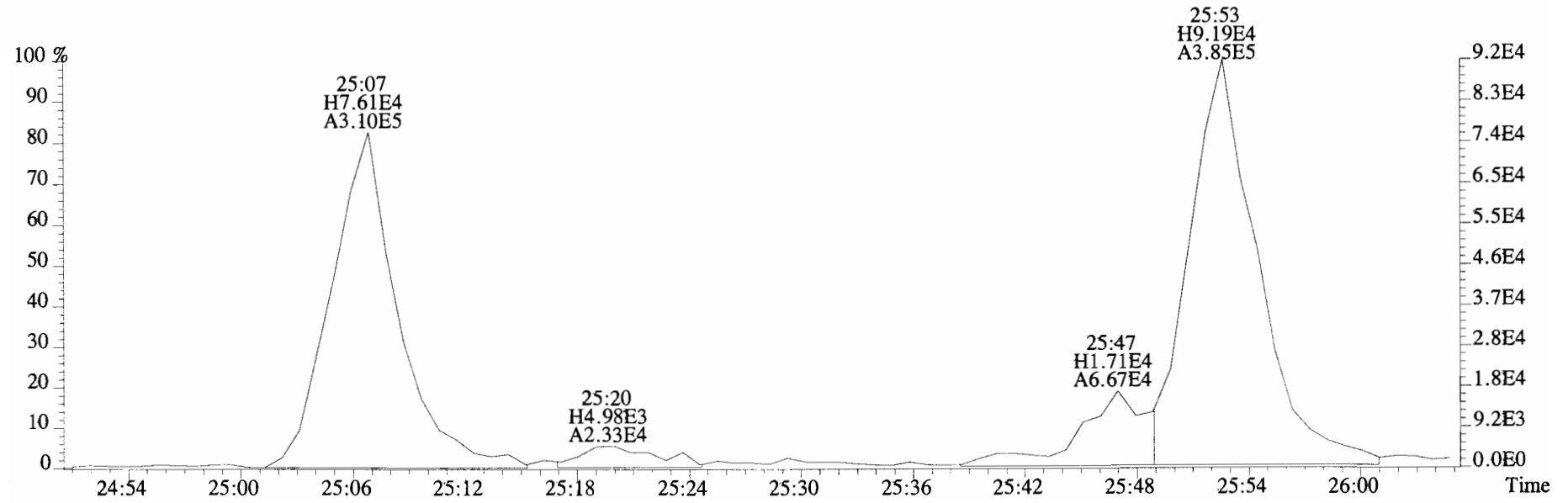
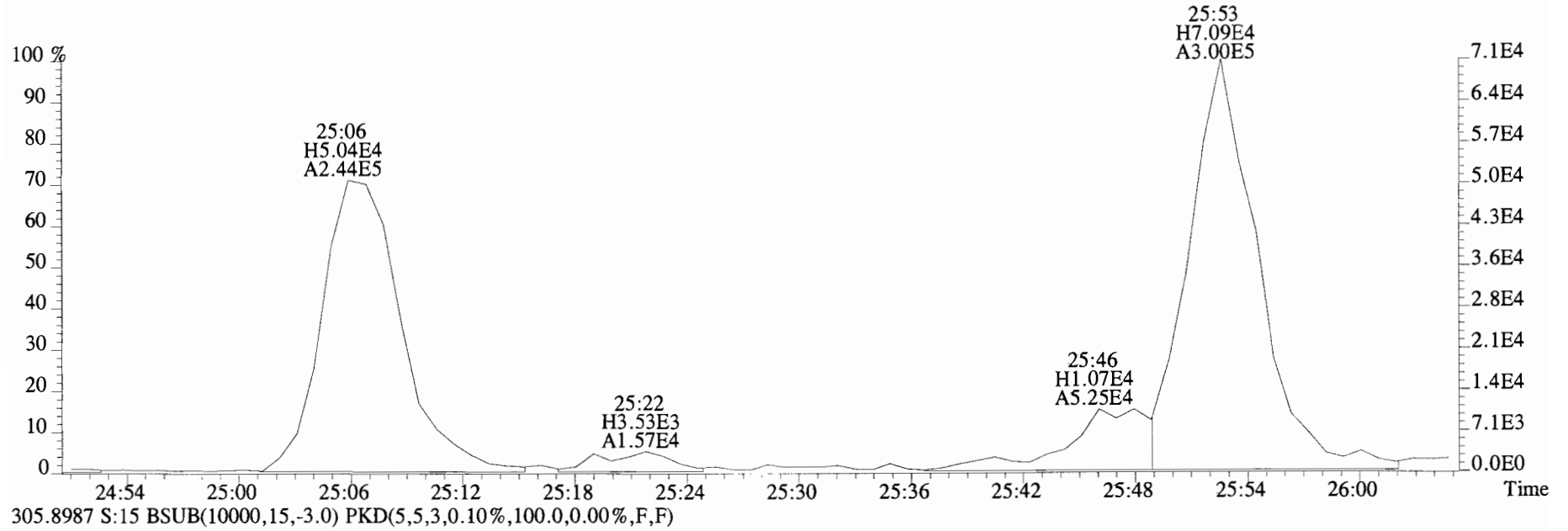
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text: Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



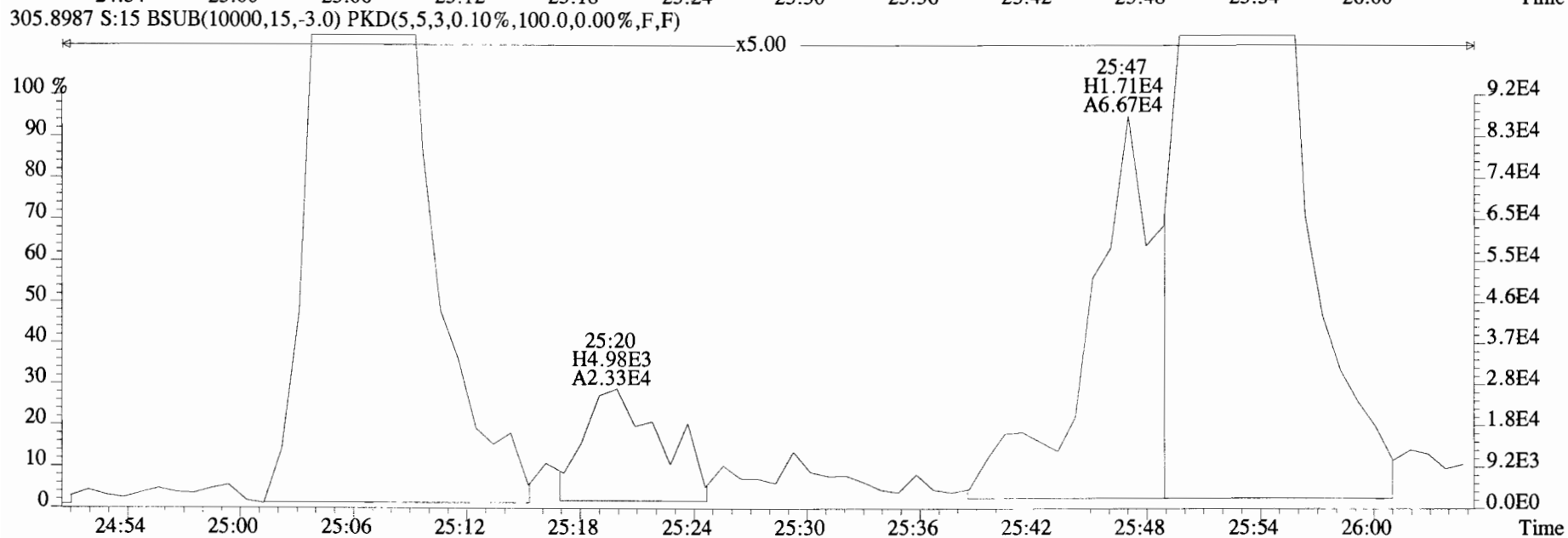
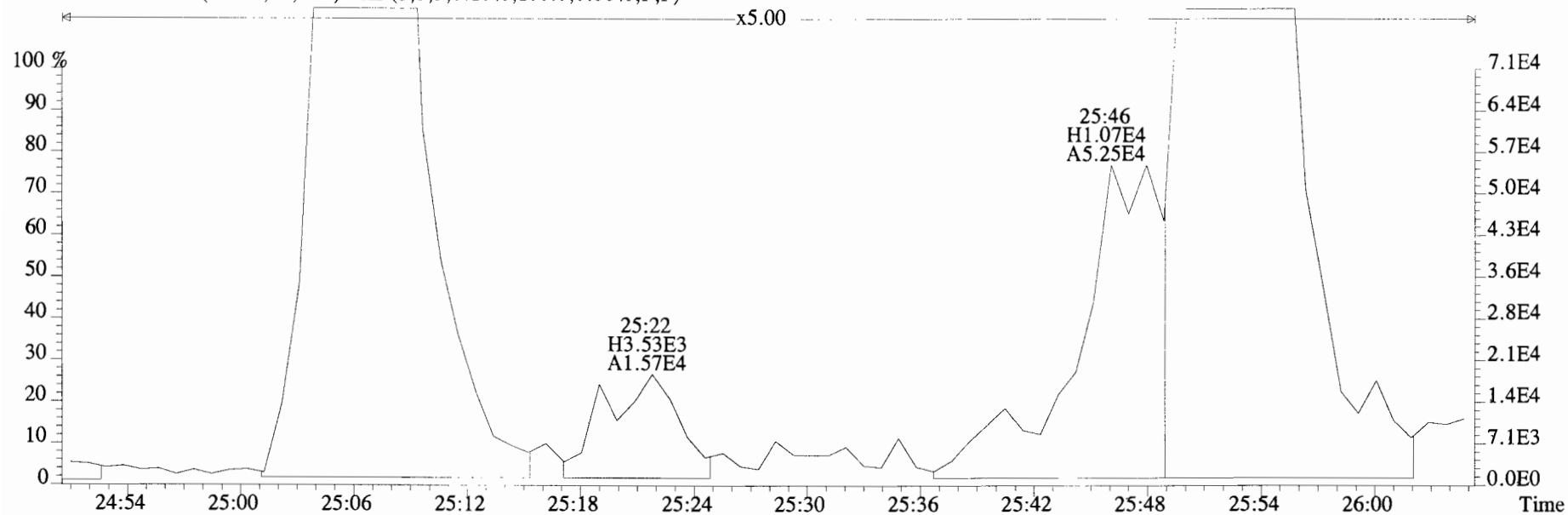
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text: Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



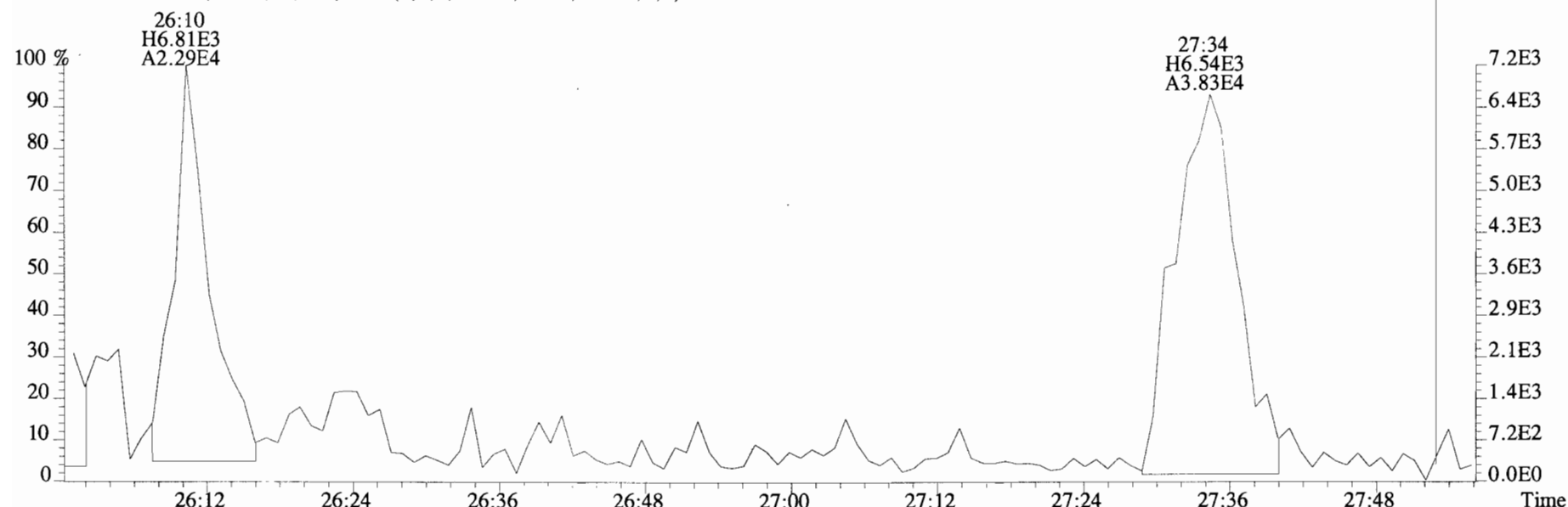
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-I03SG-00-01-190924 22.71 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



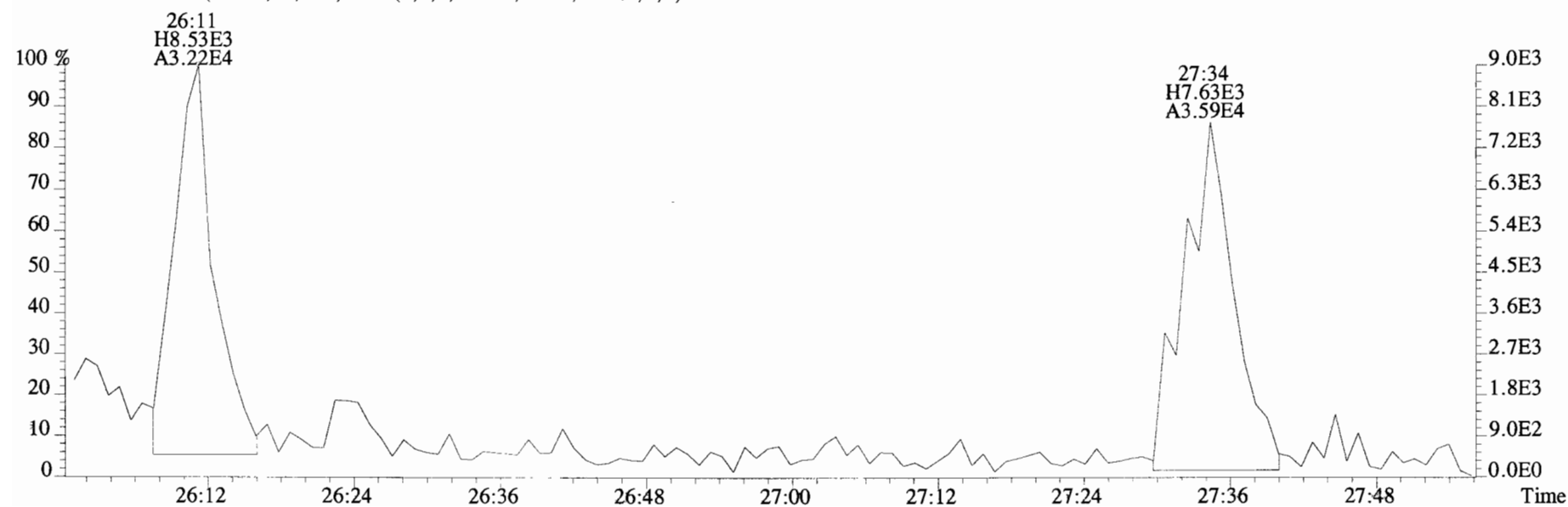
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



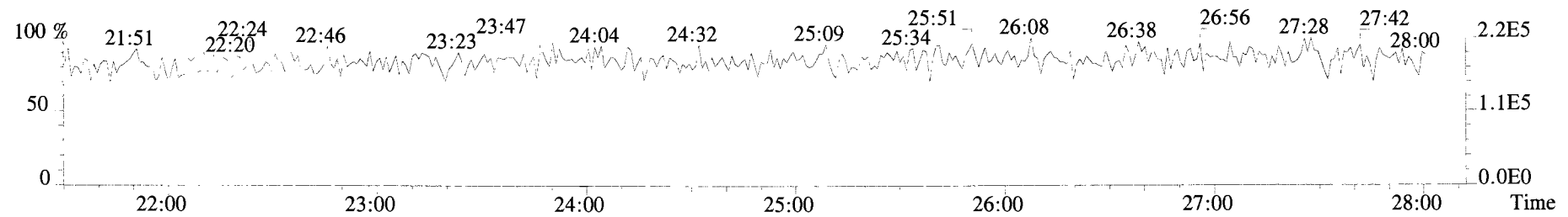
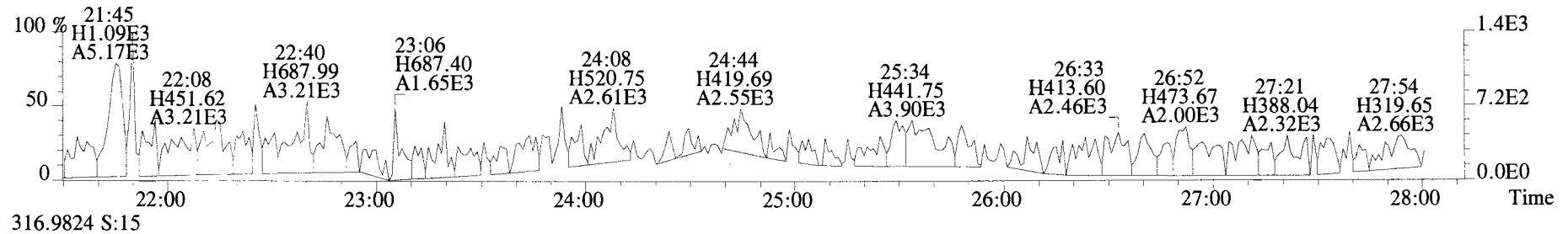
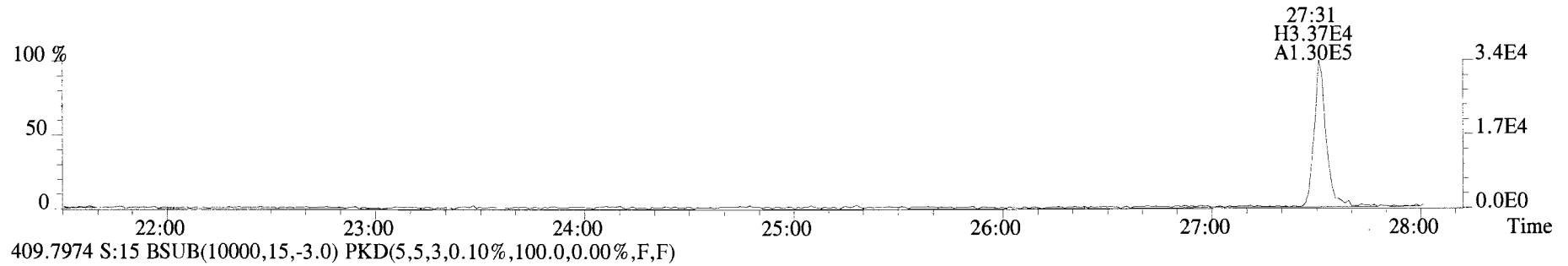
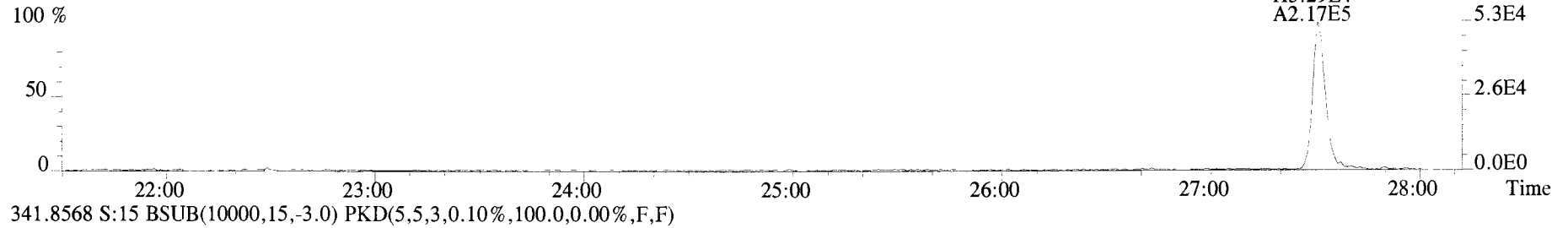
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



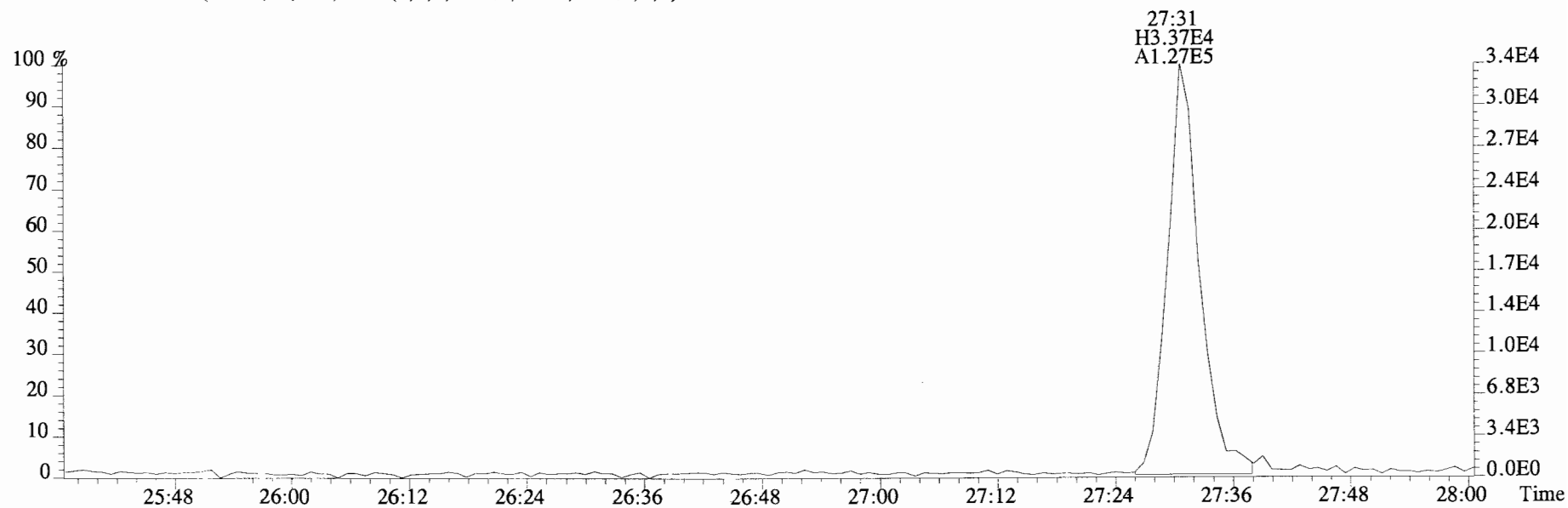
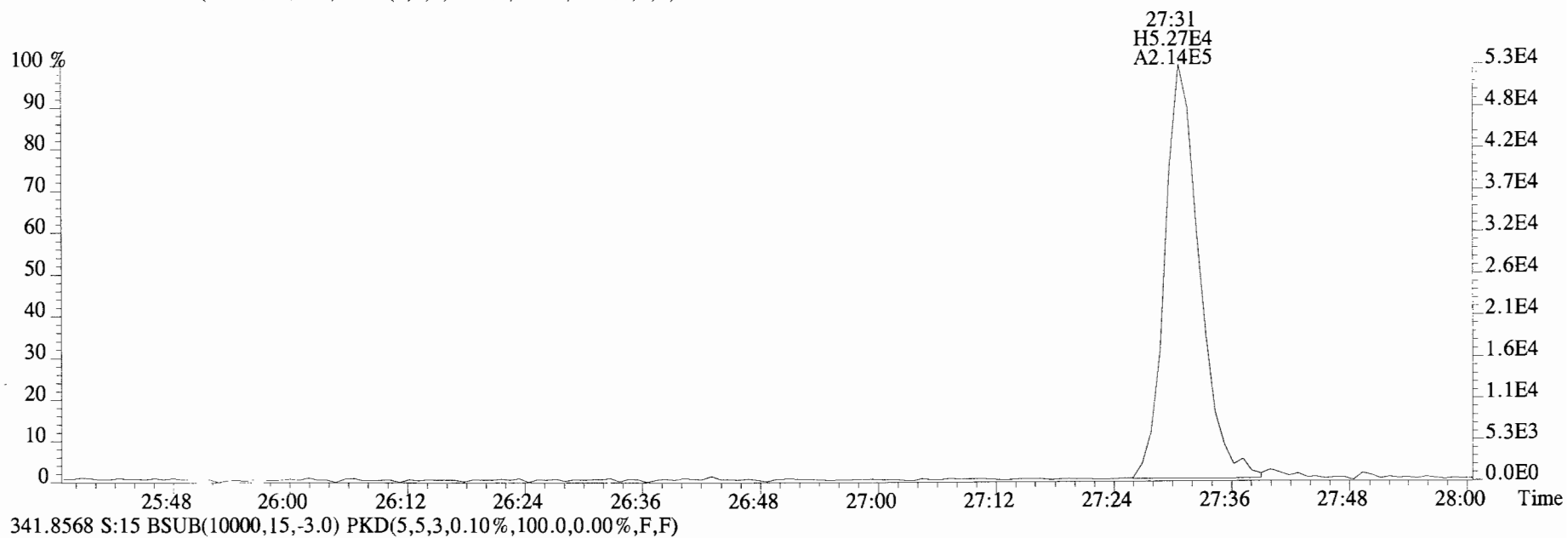
305.8987 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



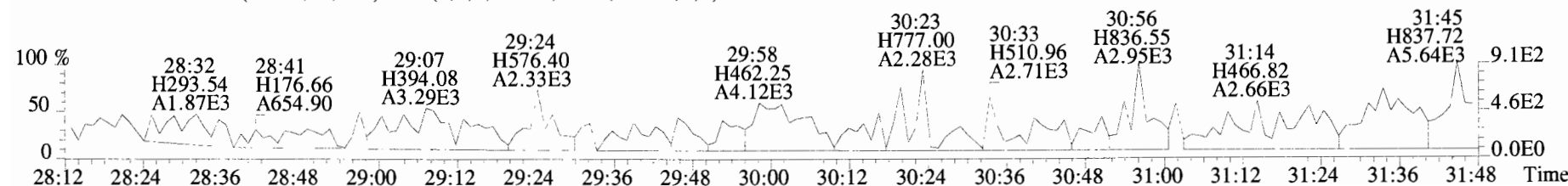
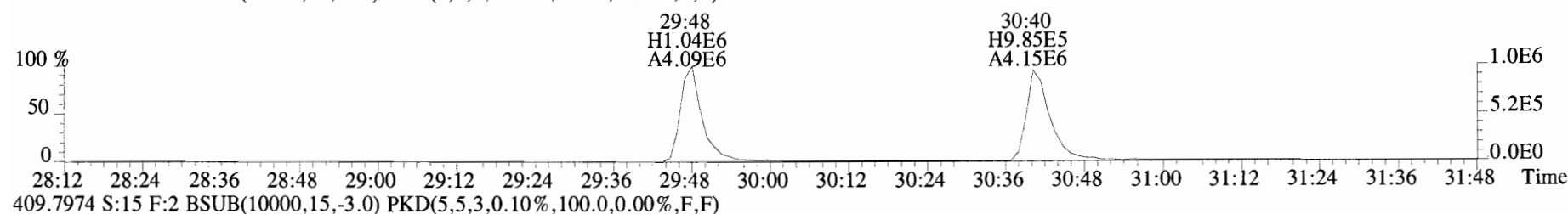
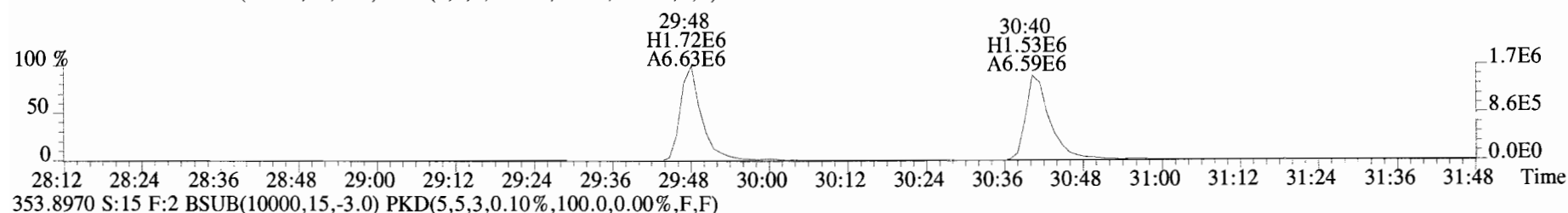
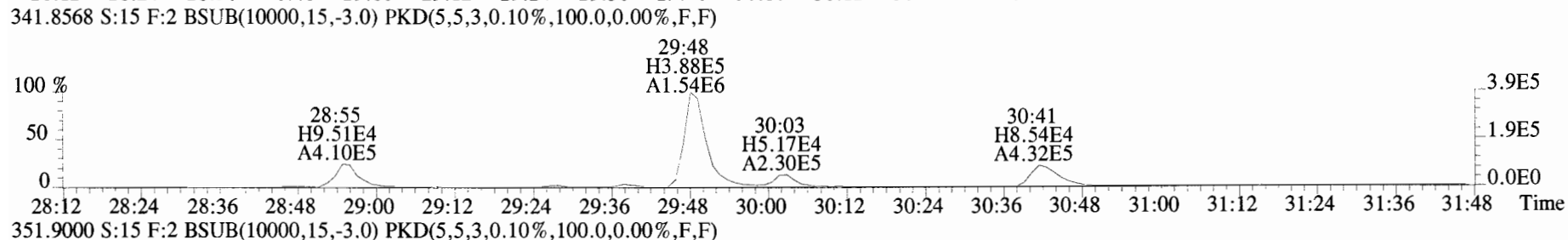
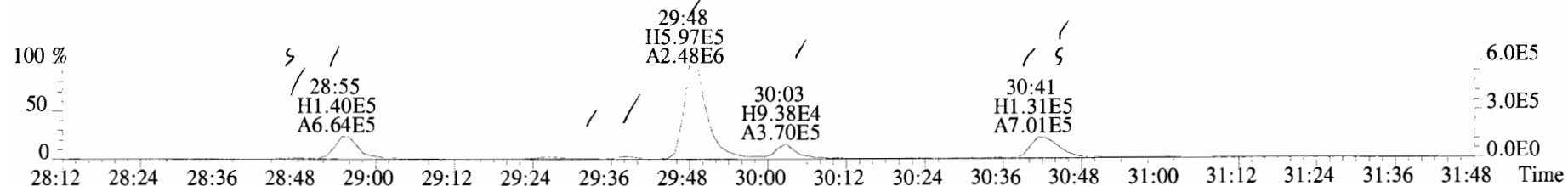
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 339.8597 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



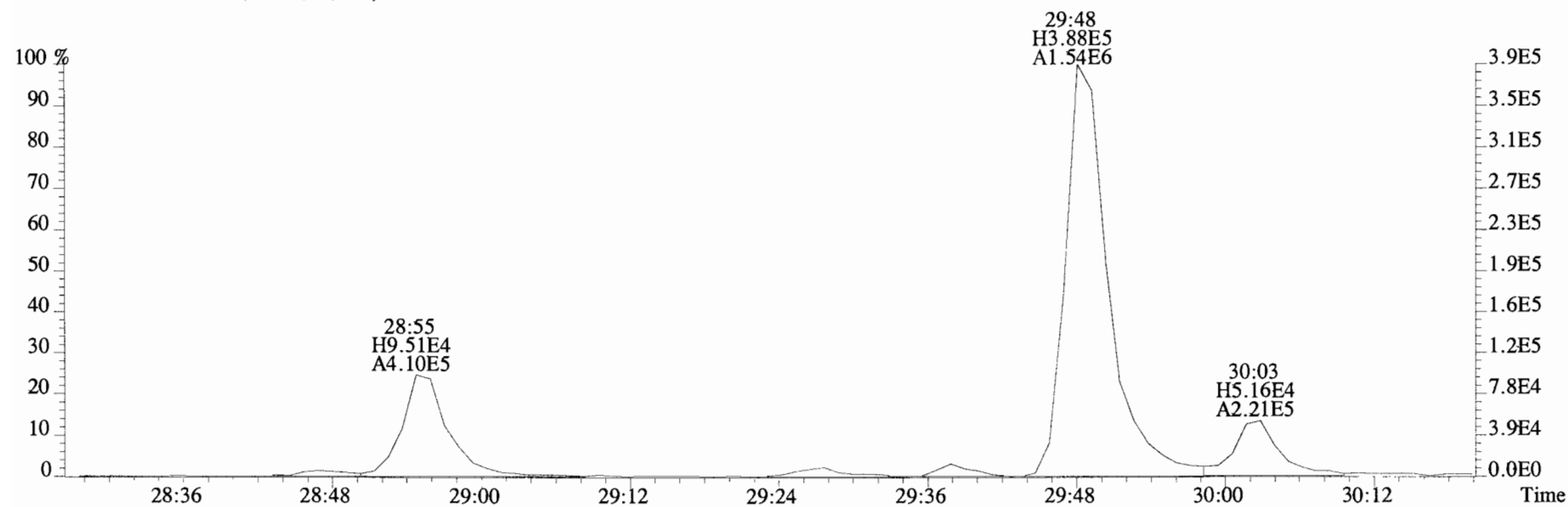
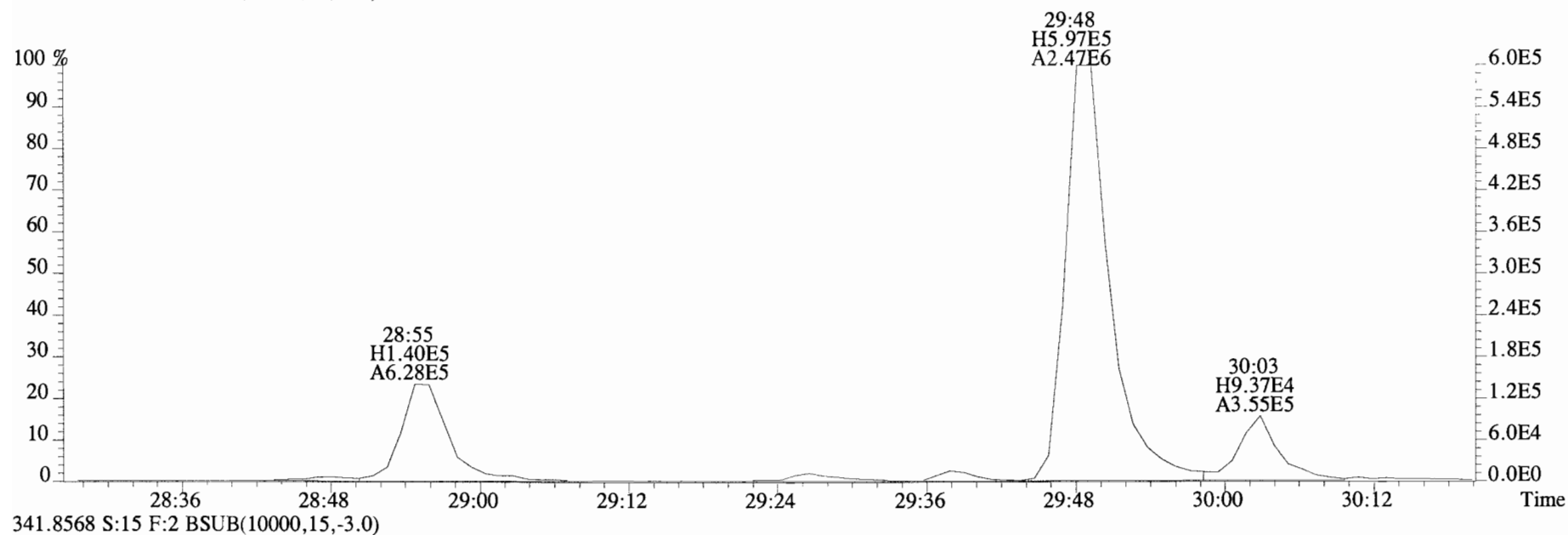
File:191011D2 #1-514 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
339.8597 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



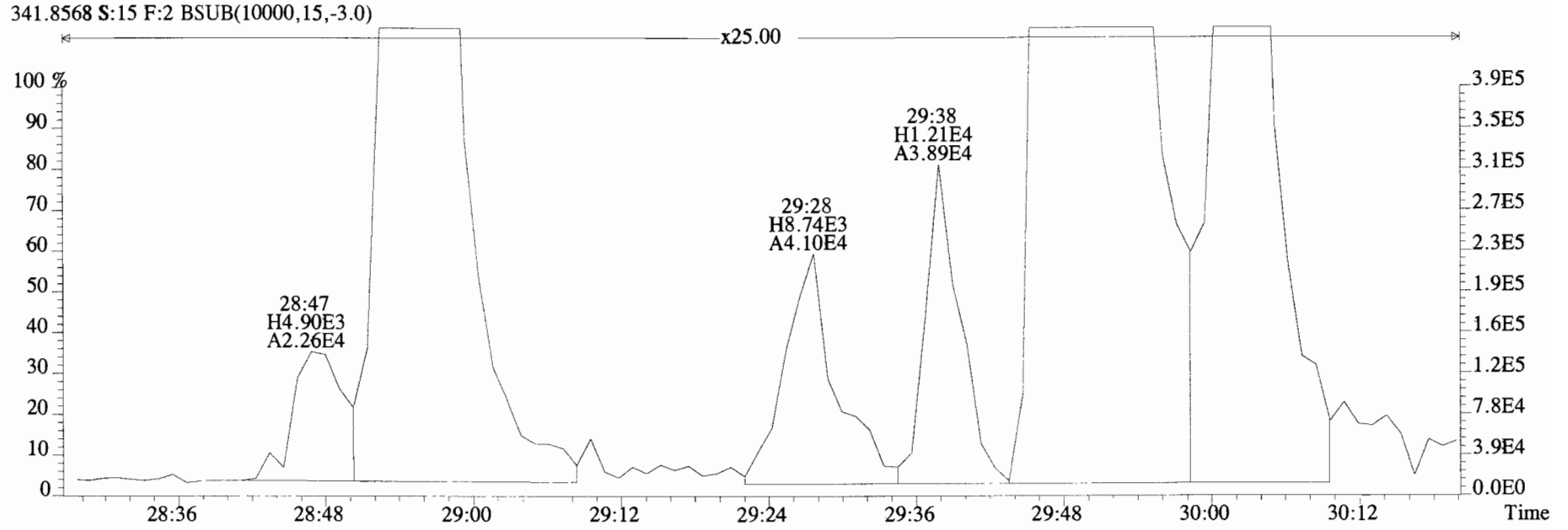
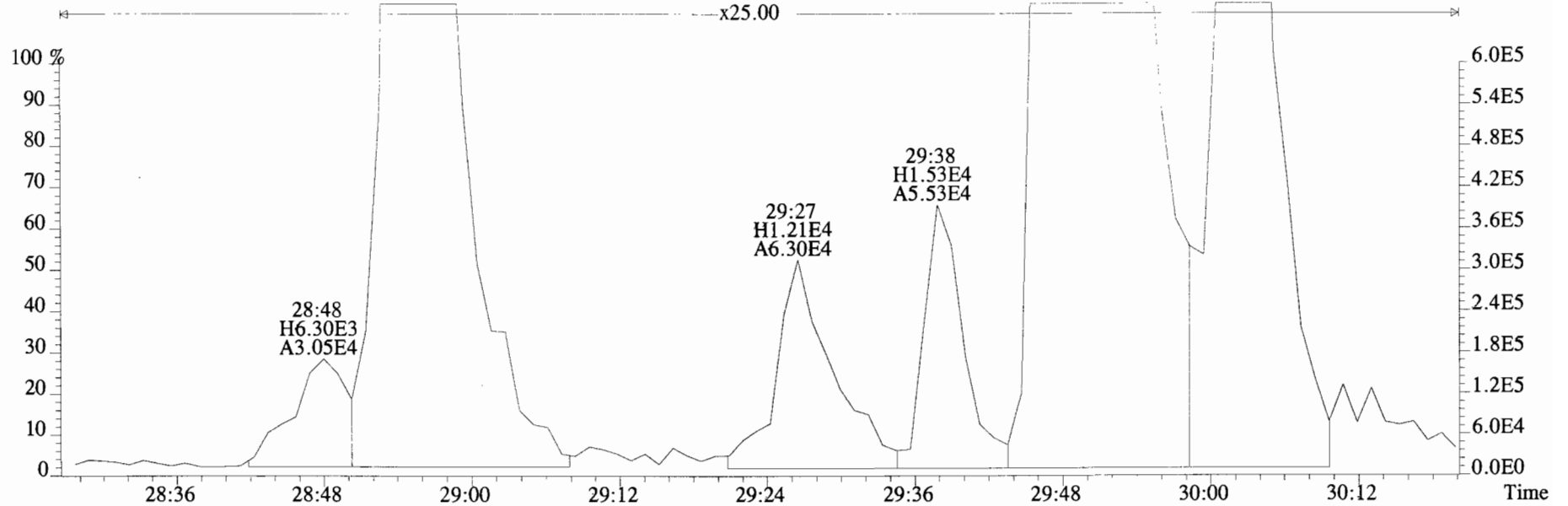
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



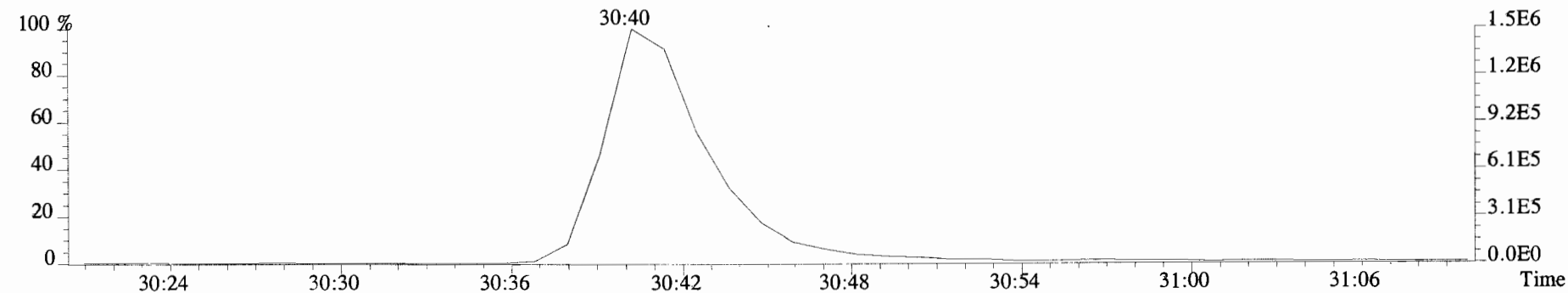
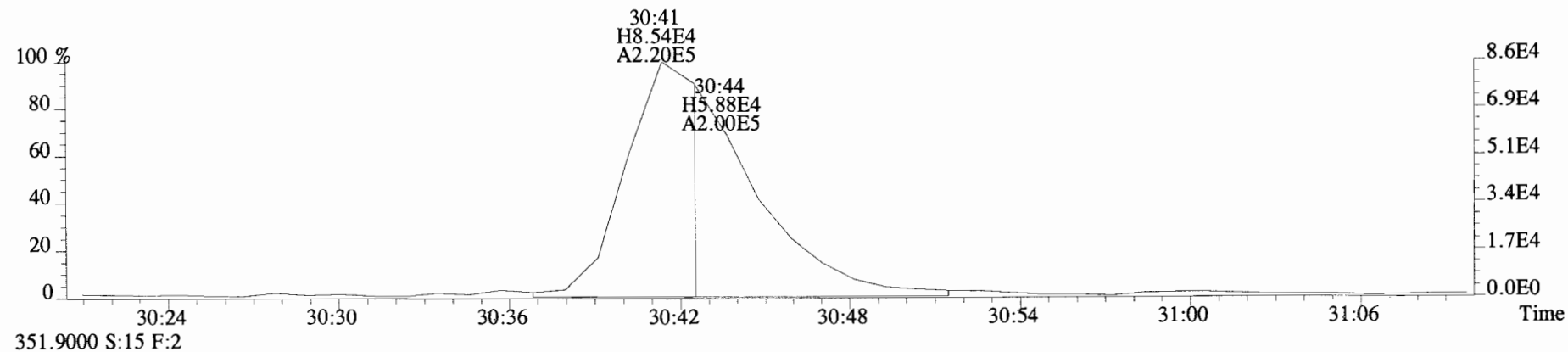
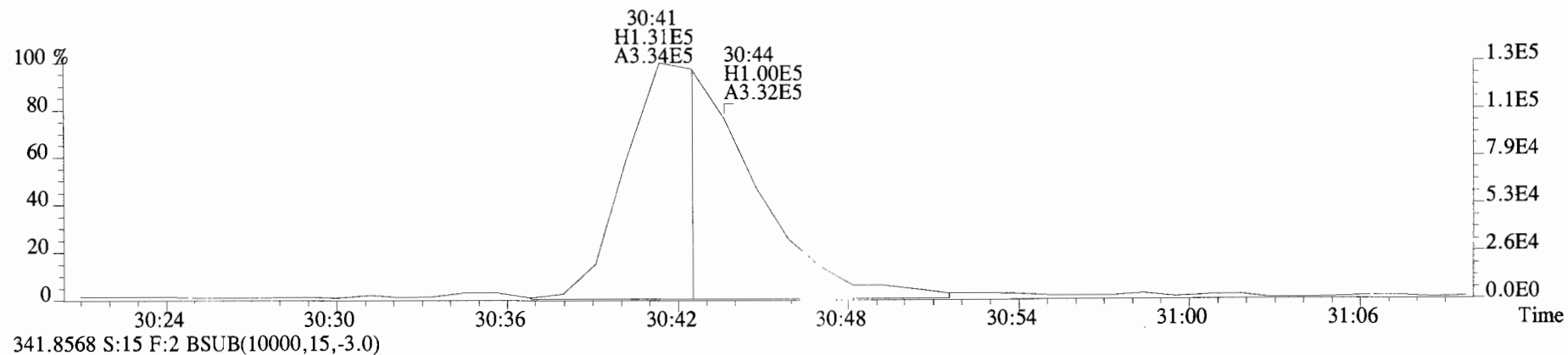
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0)



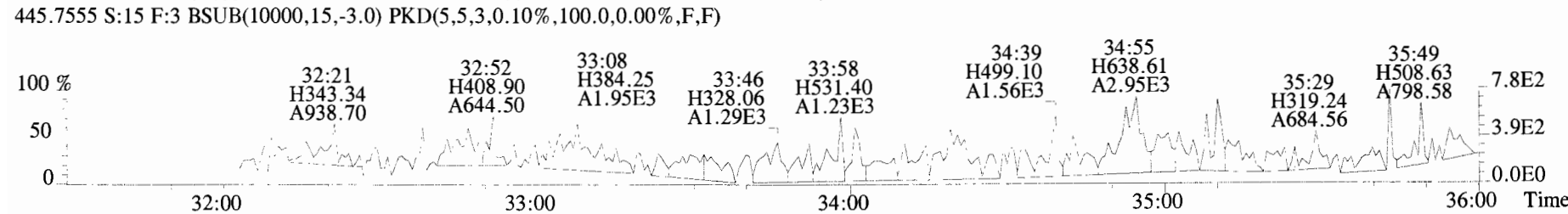
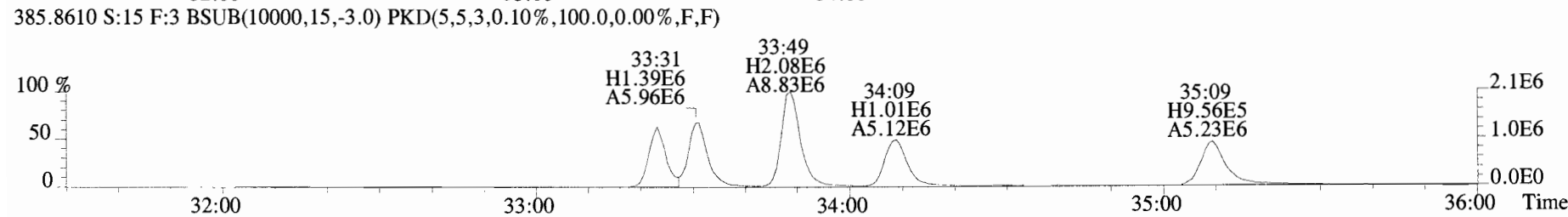
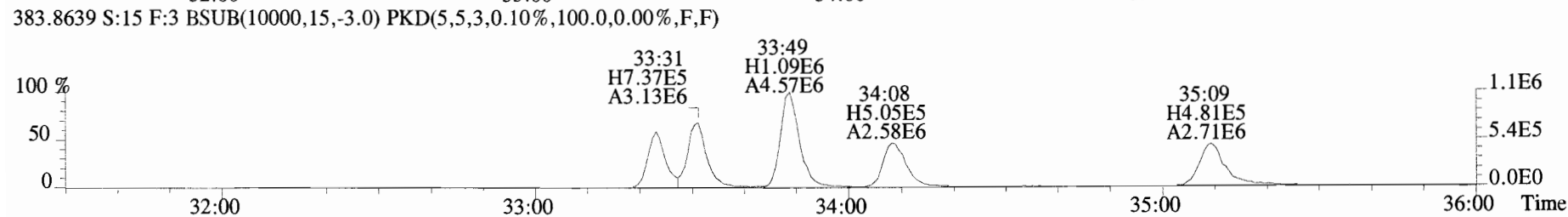
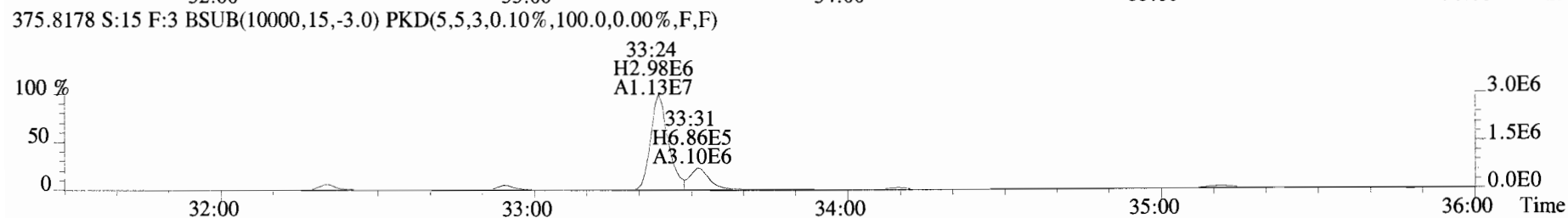
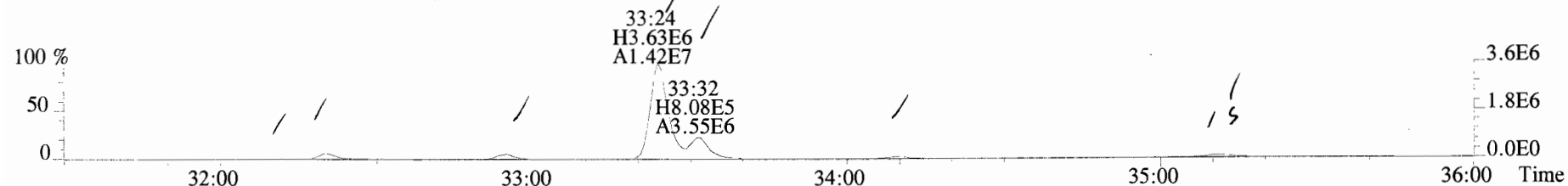
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-I03SG-00-01-i90924 22.71 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0)



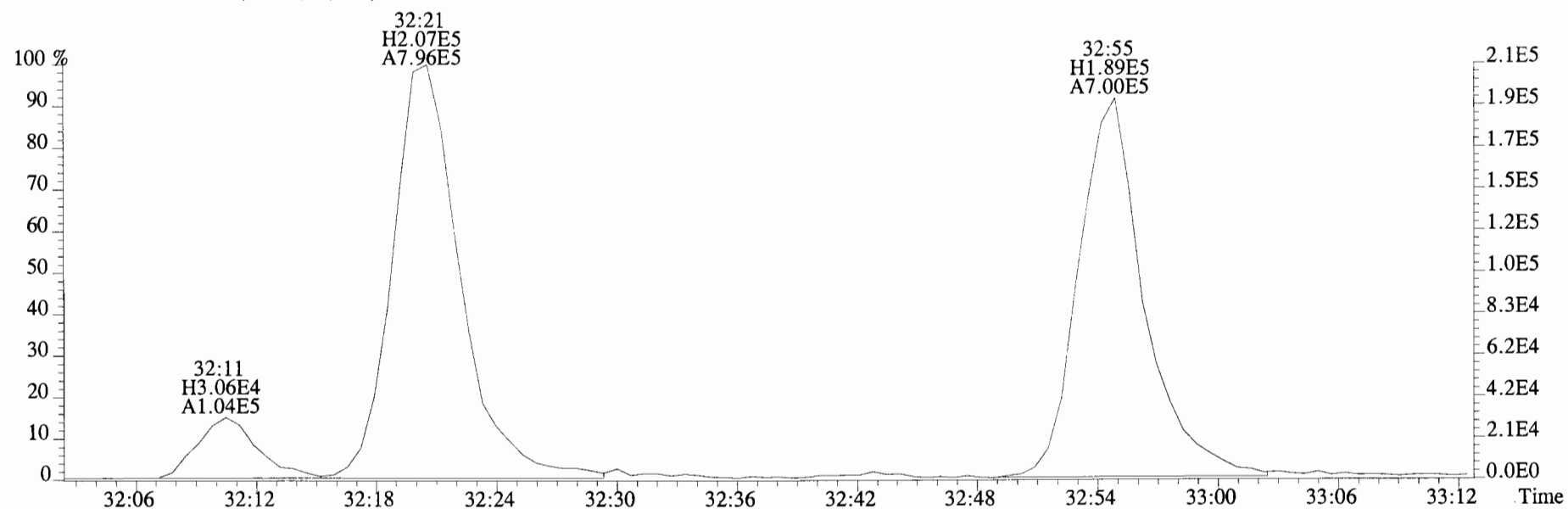
File:191011D2 #1-211 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0)



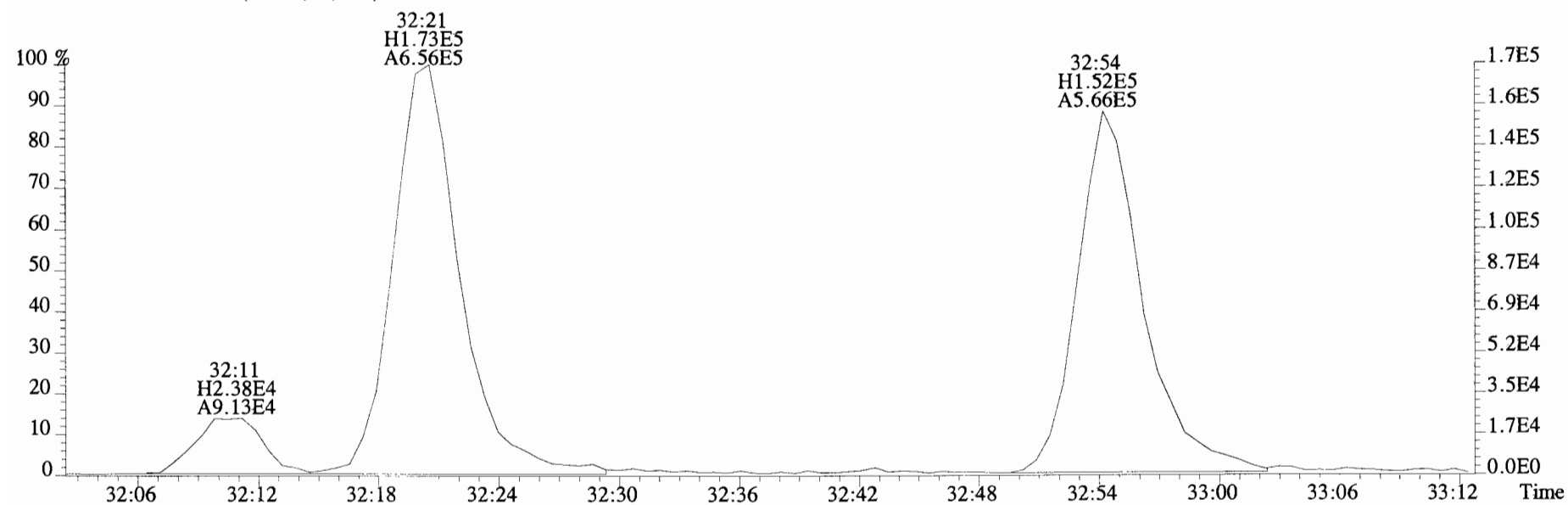
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 373.8207 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



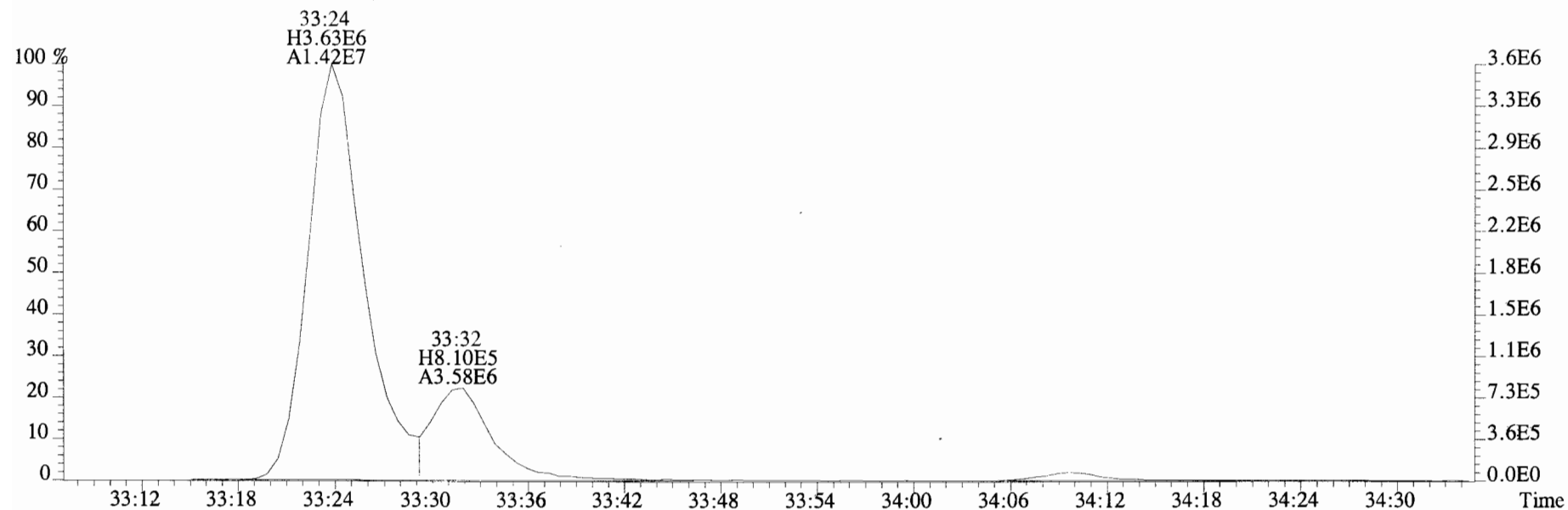
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



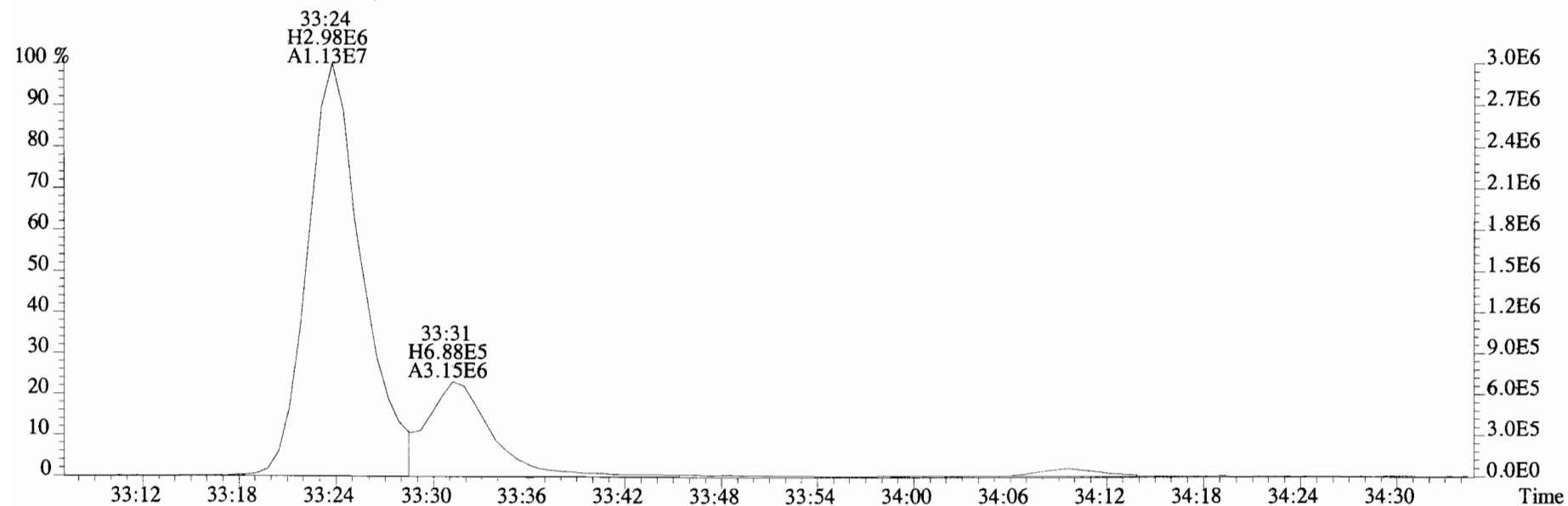
375.8178 S:15 F:3 BSUB(10000,15,-3.0)



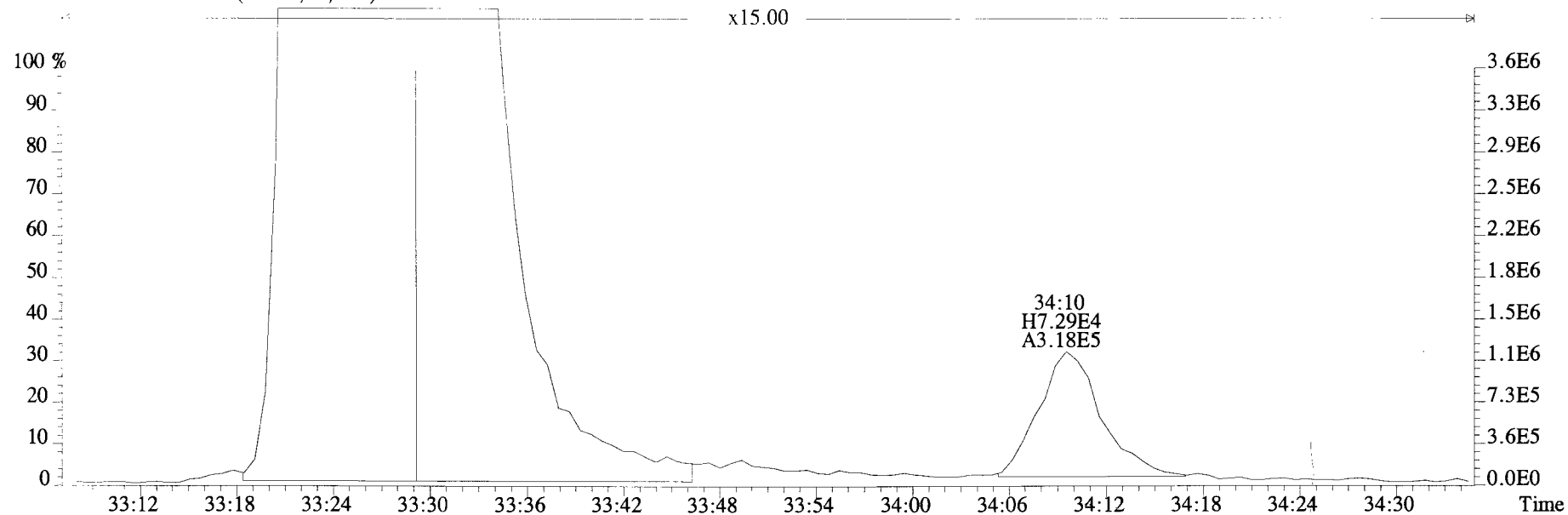
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



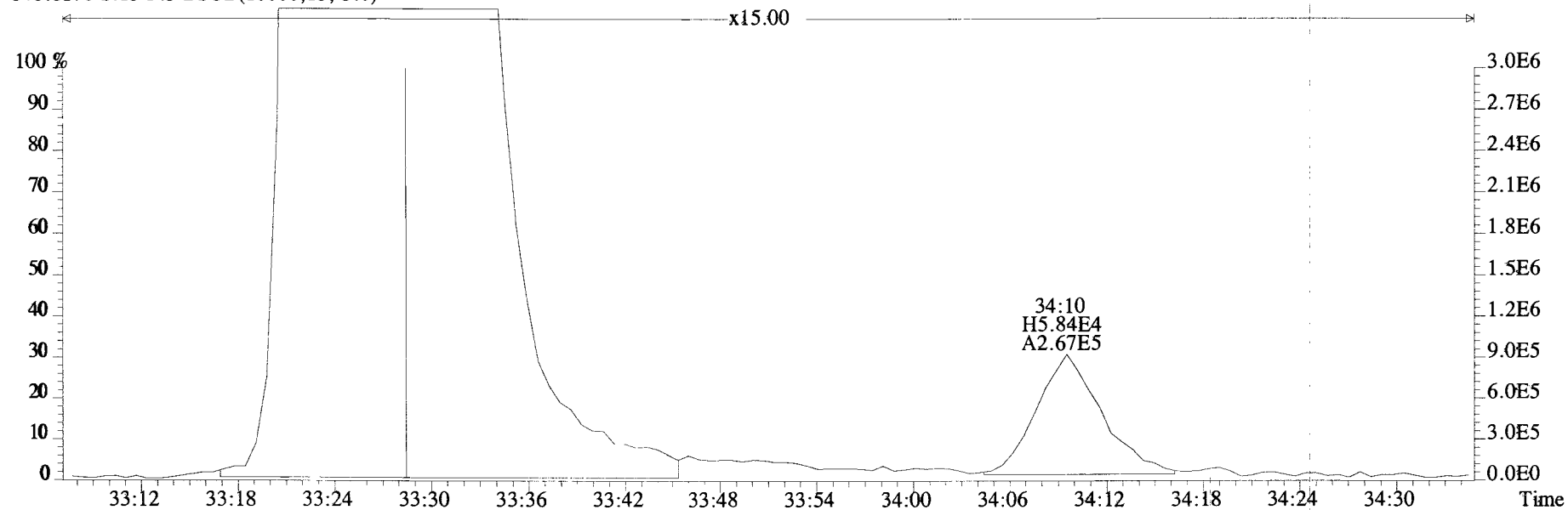
375.8178 S:15 F:3 BSUB(10000,15,-3.0)



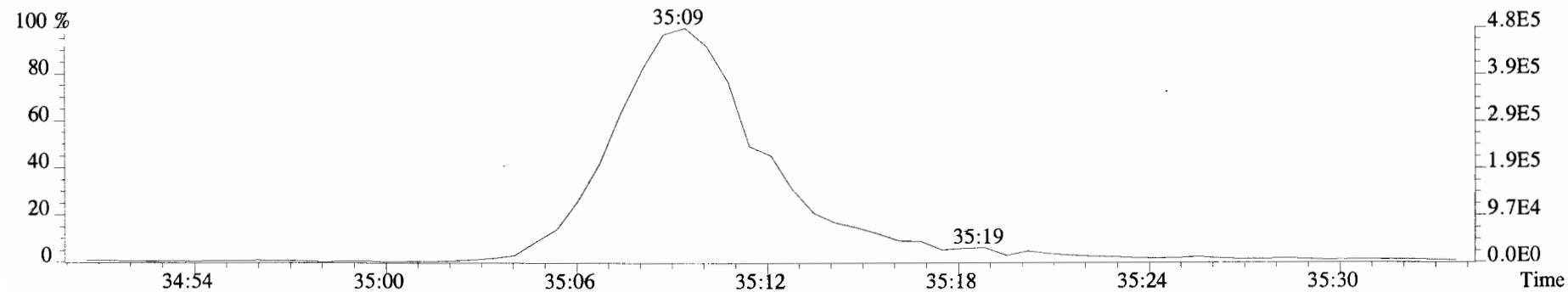
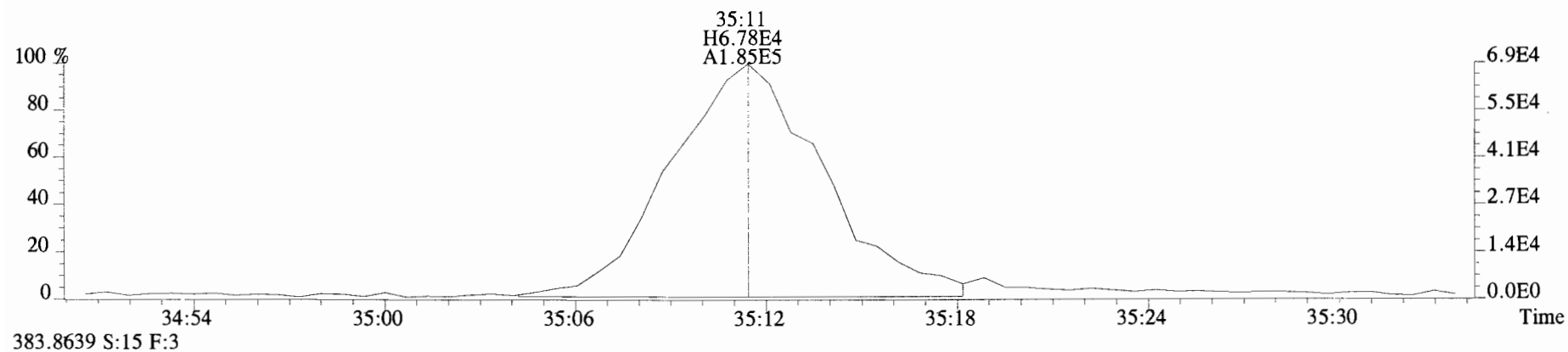
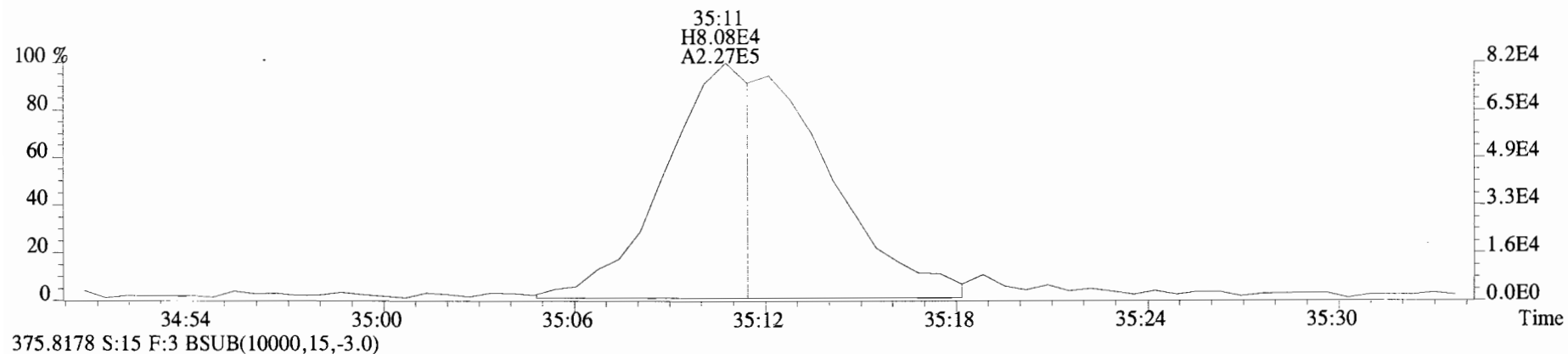
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text: Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



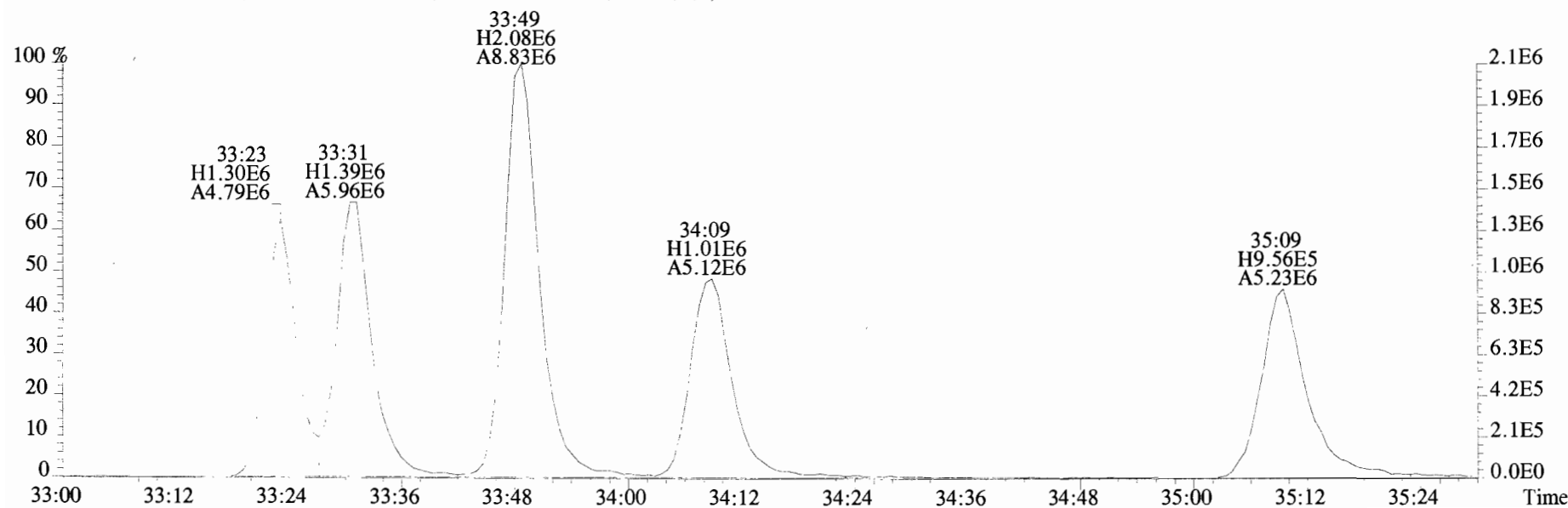
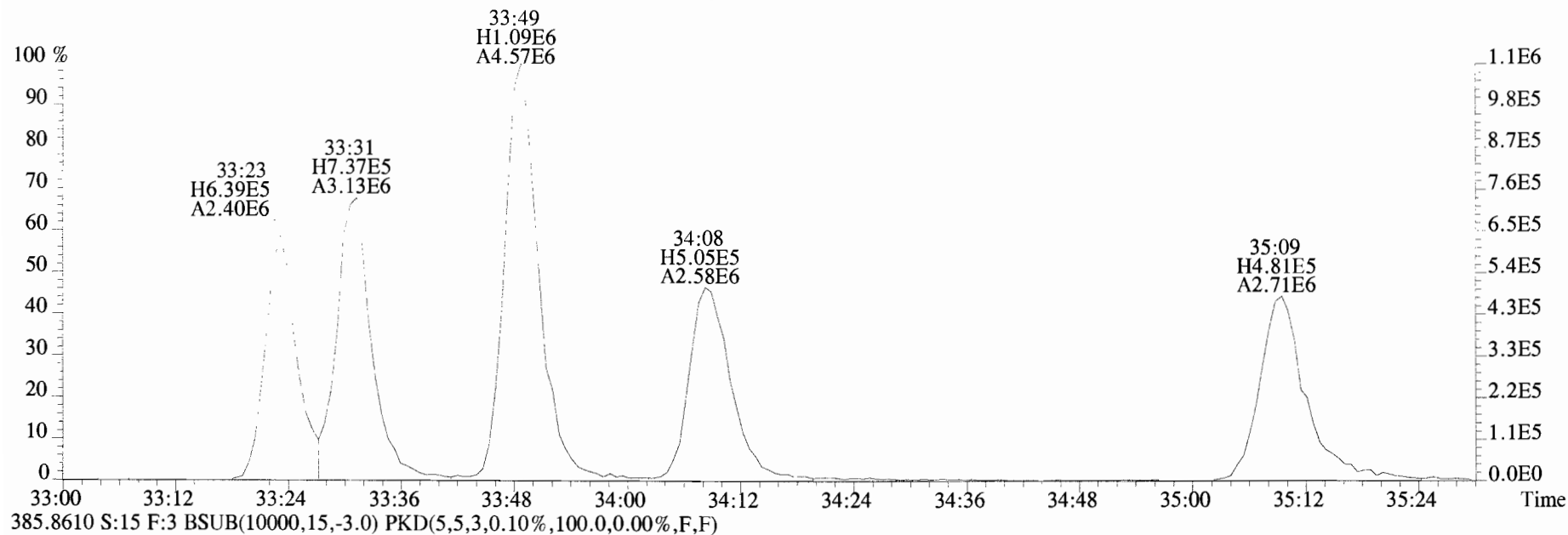
375.8178 S:15 F:3 BSUB(10000,15,-3.0)



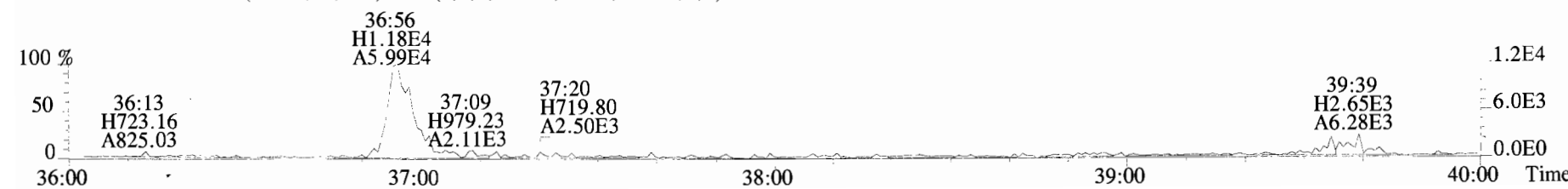
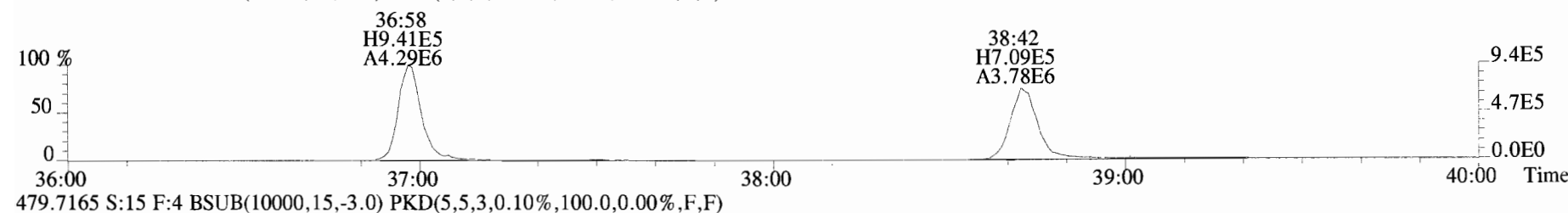
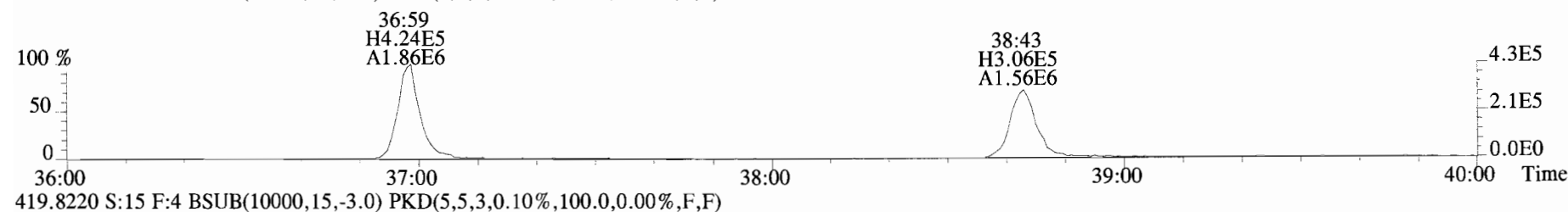
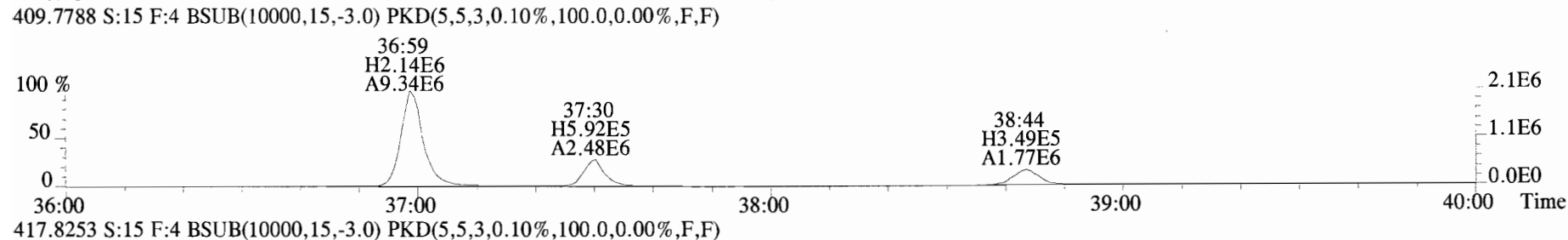
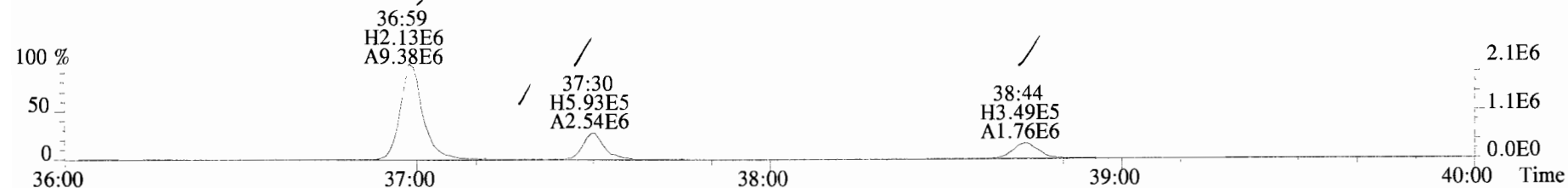
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



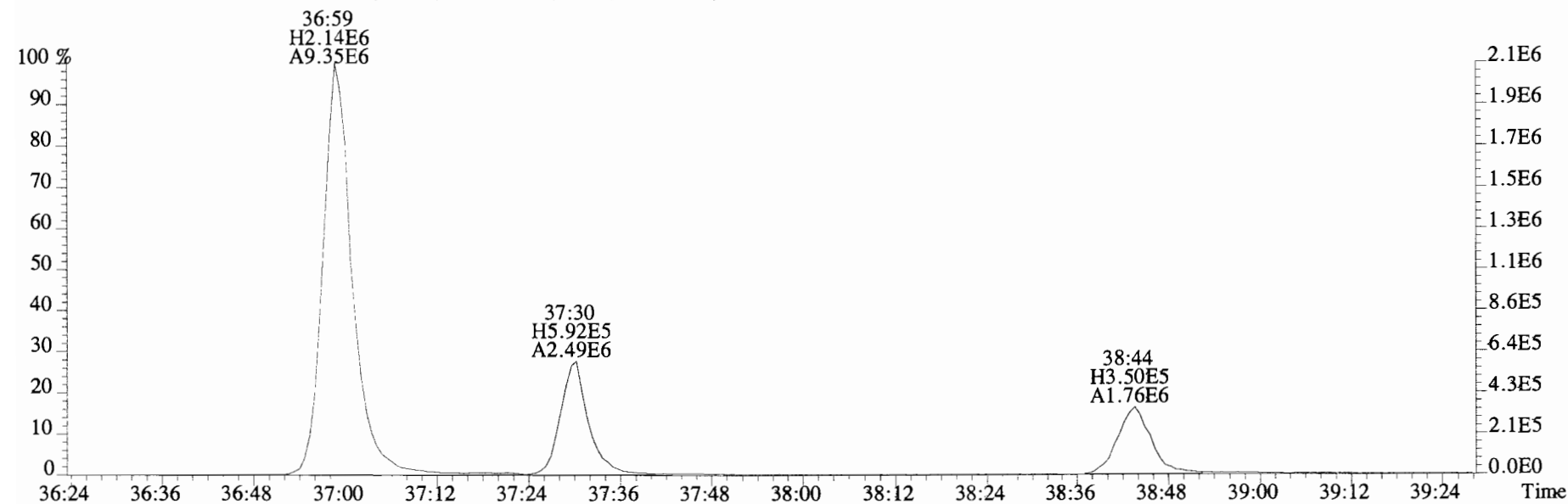
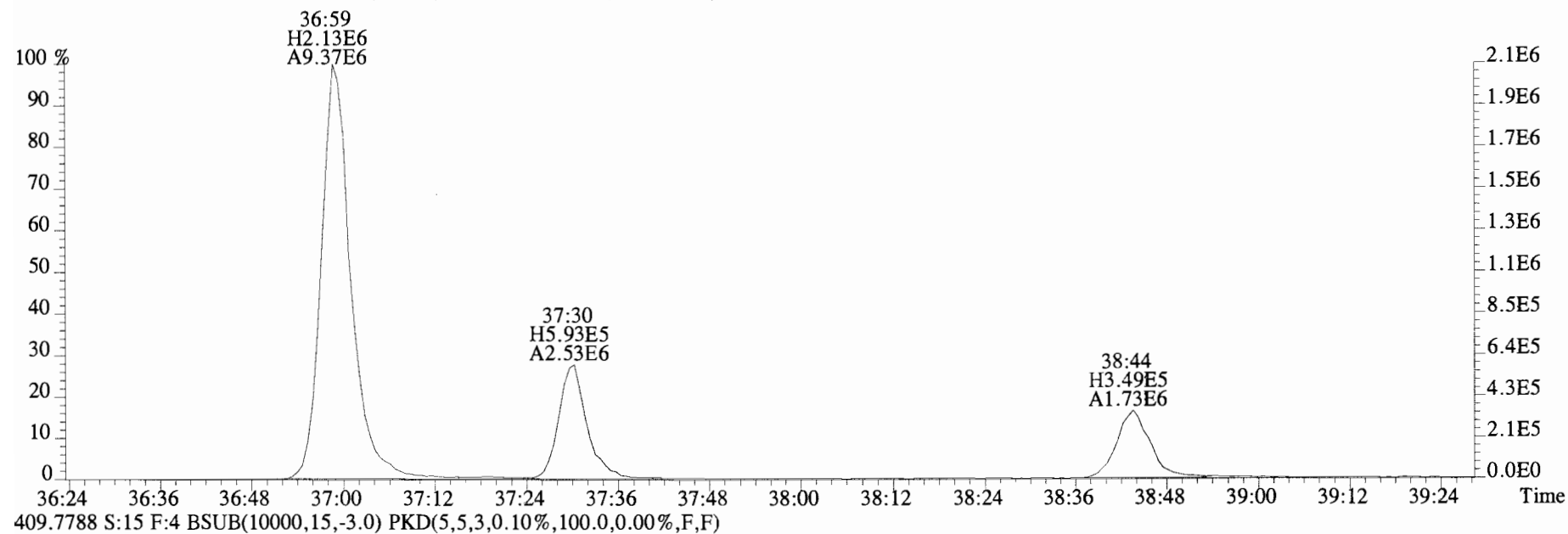
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
383.8639 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



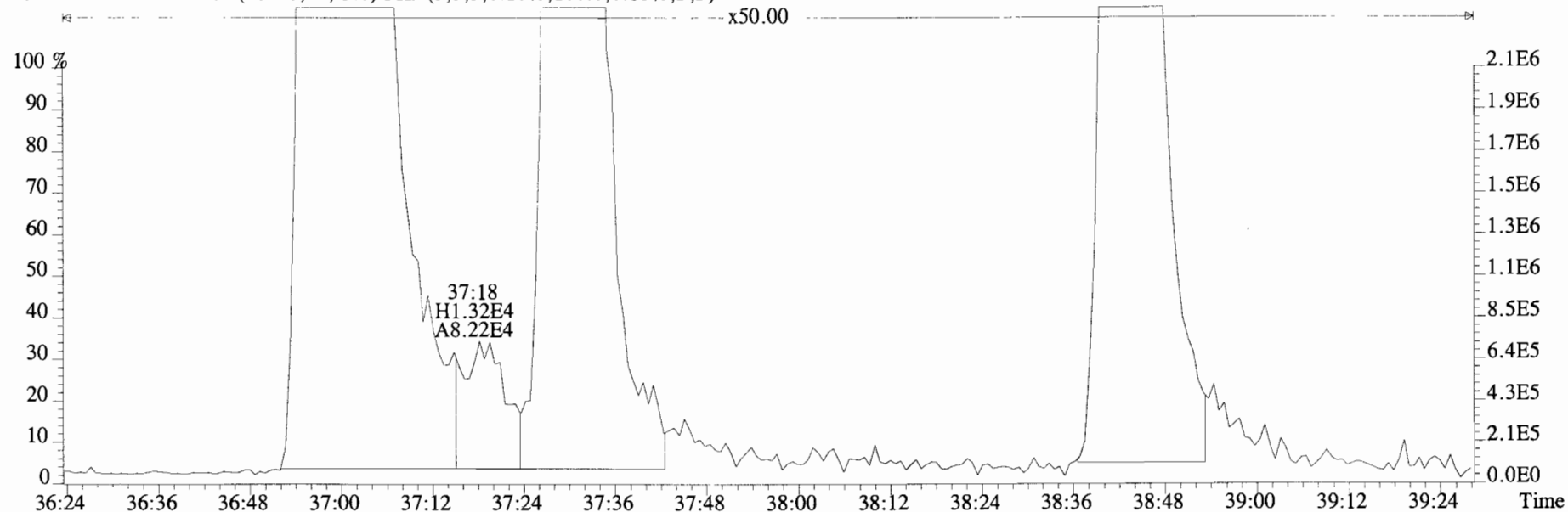
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
407.7818 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



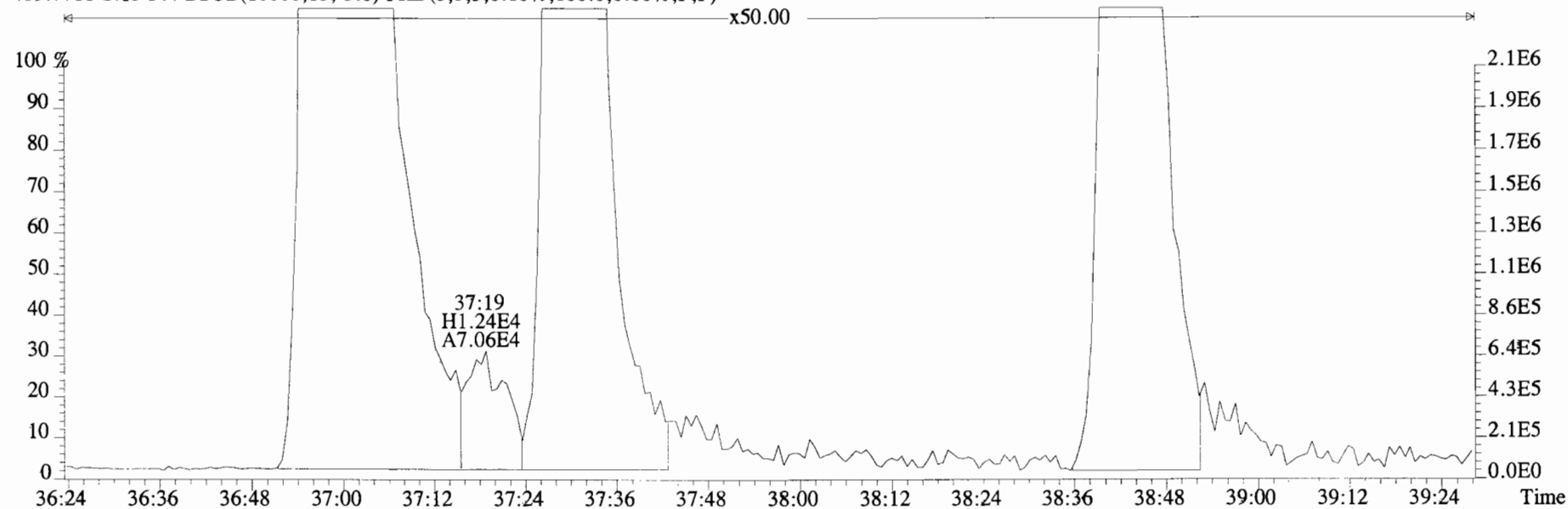
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
407.7818 S:15 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



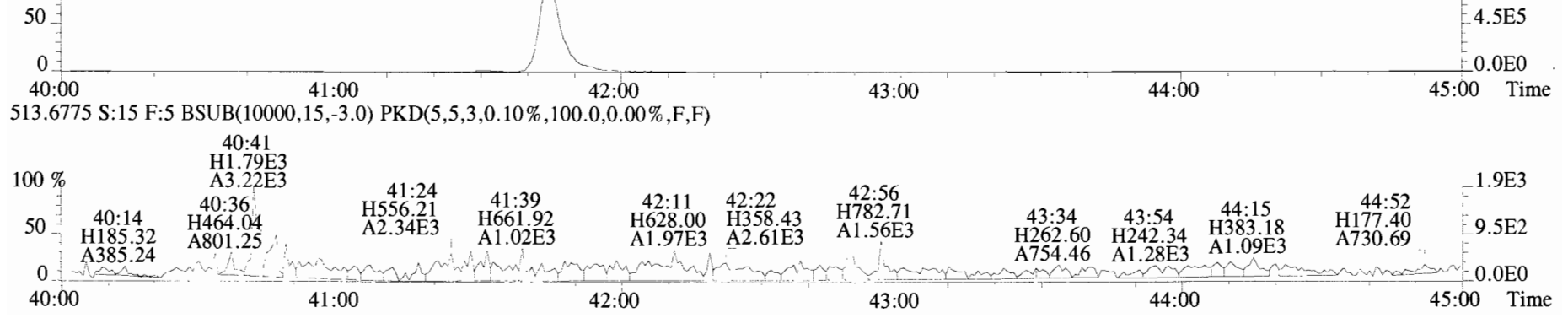
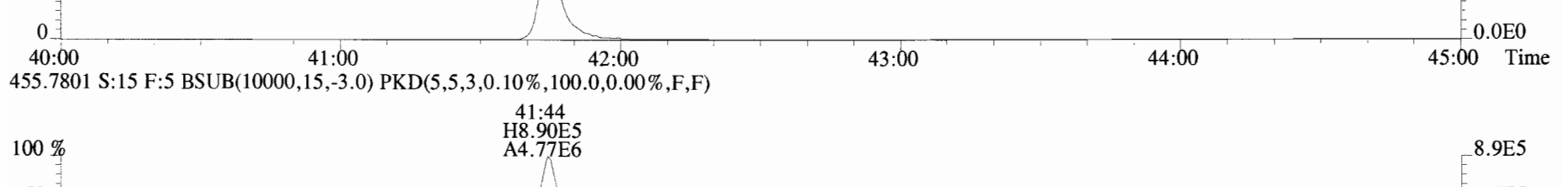
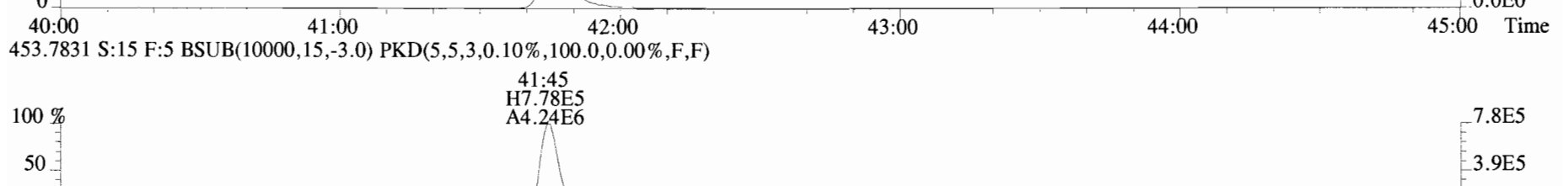
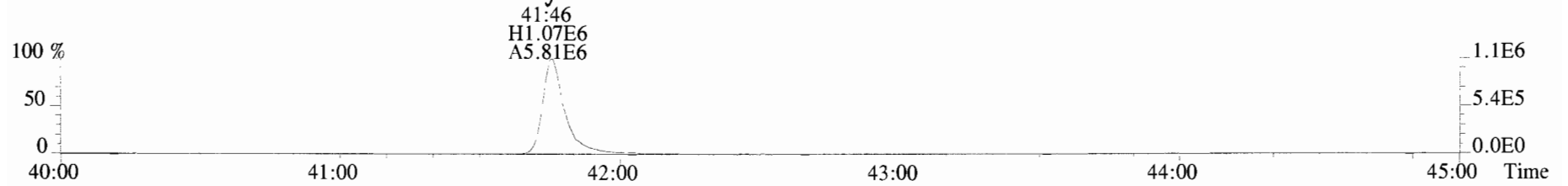
File:191011D2 #1-355 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
407.7818 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



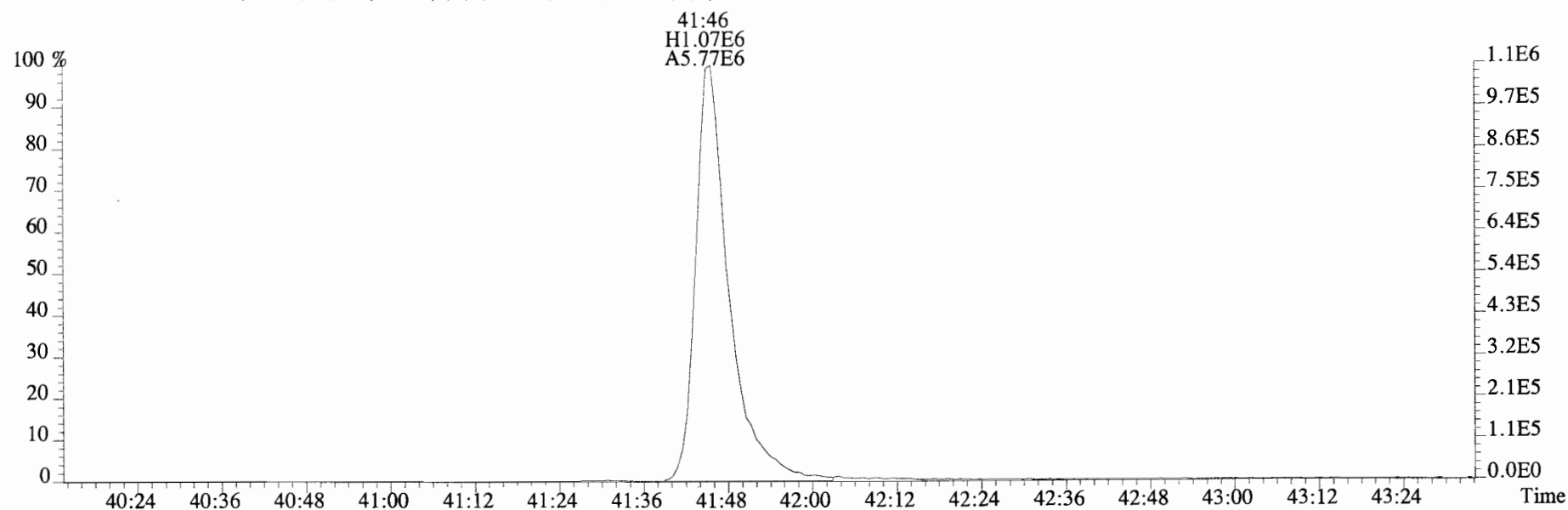
409.7788 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



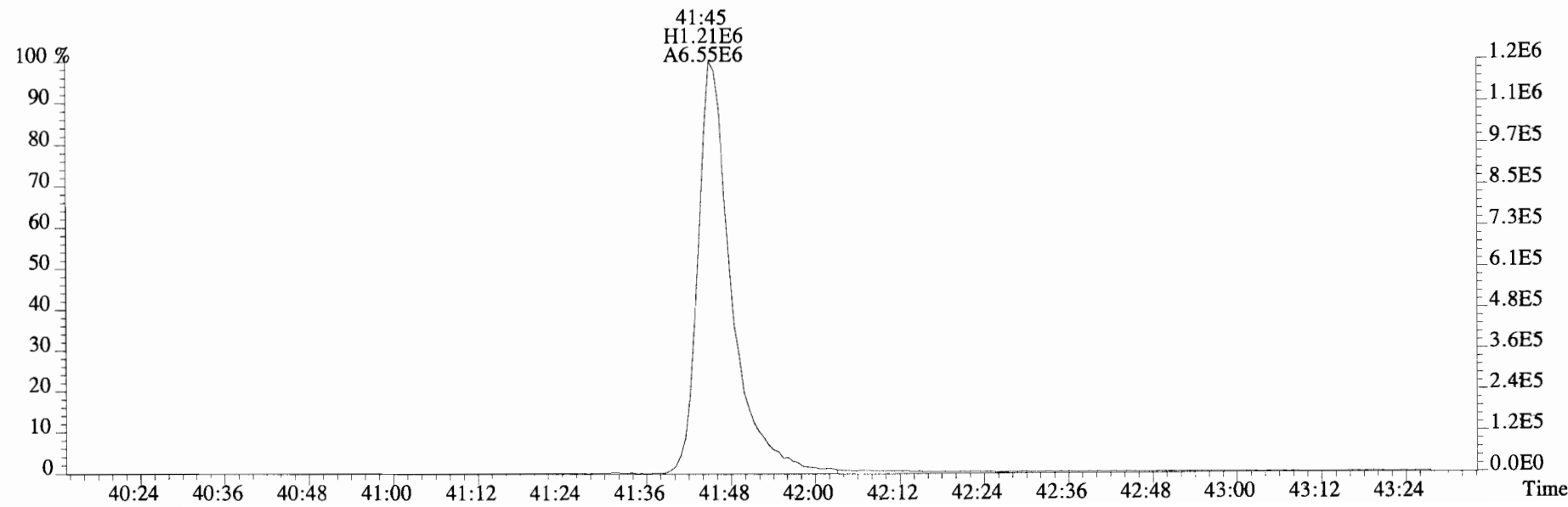
File:191011D2 #1-432 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
 441.7428 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191011D2 #1-432 Acq:12-OCT-2019 12:25:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text: Vista Analytical Laboratory VG7 Text:1903285-07 PDI-103SG-00-01-190924 22.71 Exp:OCDD_DB5
441.7428 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



443.7398 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.92e+04	0.66 y	0.91	26:35	0.53958			* 2.5	*	Total Tetra-Dioxins	3.97	6.96		*	*
1,2,3,7,8-PeCDD	2.72e+04	0.72 y	0.90	30:56	0.78815			* 2.5	*	Total Penta-Dioxins	5.29	7.02		*	*
1,2,3,4,7,8-HxCDD	3.10e+04	1.19 y	1.10	34:18	1.1534			* 2.5	*	Total Hexa-Dioxins	43.7	43.7		*	*
1,2,3,6,7,8-HxCDD	1.22e+05	1.22 y	0.94	34:24	4.1784			* 2.5	*	Total Hepta-Dioxins	274	274		*	*
1,2,3,7,8,9-HxCDD	6.51e+04	1.31 y	0.96	34:43	2.2142			* 2.5	*	Total Tetra-Furans	59.2	60.0		*	*
1,2,3,4,6,7,8-HpCDD	3.37e+06	1.01 y	0.98	38:06	127.02			* 2.5	*	Total Penta-Furans	62.140	62.681		*	*
OCDD	1.94e+07	0.88 y	0.96	41:29	1044.2			* 2.5	*	Total Hexa-Furans	69.8	69.8		*	*
										Total Hepta-Furans	72.8	72.8		*	*P
2,3,7,8-TCDF	9.36e+05	0.79 y	0.95	25:52	19.678			* 2.5	*						
1,2,3,7,8-PeCDF	9.53e+05	1.61 y	0.96	29:48	19.900			* 2.5	*						
2,3,4,7,8-PeCDF	4.29e+05	1.50 y	1.01	30:40	8.6324			* 2.5	*						
1,2,3,4,7,8-HxCDF	1.09e+06	1.24 y	1.18	33:23	27.411			* 2.5	*						
1,2,3,6,7,8-HxCDF	2.98e+05	1.32 y	1.07	33:30	6.6692			* 2.5	*						
2,3,4,6,7,8-HxCDF	1.04e+05	1.21 y	1.11	34:08	2.6357			* 2.5	*						
1,2,3,7,8,9-HxCDF	1.01e+05	1.23 y	1.06	35:09	2.9071			* 2.5	*						
1,2,3,4,6,7,8-HpCDF	7.33e+05	1.00 y	1.13	36:57	23.281			* 2.5	*						
1,2,3,4,7,8,9-HpCDF	1.52e+05	1.08 y	1.28	38:41	5.3870			* 2.5	*						
OCDF	1.47e+06	0.89 y	0.95	41:43	64.615			* 2.5	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	7.84e+06	0.74 y	1.10	26:35	162.48					81.4					
IS 13C-1,2,3,7,8-PeCDD	7.63e+06	0.63 y	0.88	30:56	196.44					98.4					
IS 13C-1,2,3,4,7,8-HxCDD	4.88e+06	1.21 y	0.64	34:17	168.19					84.2					
IS 13C-1,2,3,6,7,8-HxCDD	6.20e+06	1.31 y	0.86	34:24	160.33					80.3					
IS 13C-1,2,3,7,8,9-HxCDD	6.10e+06	1.23 y	0.81	34:42	167.49					83.9					
IS 13C-1,2,3,4,6,7,8-HpCDD	5.41e+06	1.01 y	0.65	38:06	183.33					91.8					
IS 13C-OCDD	7.75e+06	0.90 y	0.58	41:28	296.04					74.1					
IS 13C-2,3,7,8-TCDF	9.99e+06	0.80 y	1.03	25:51	133.83					67.0					
IS 13C-1,2,3,7,8-PeCDF	9.96e+06	1.61 y	0.85	29:48	161.57					80.9					
IS 13C-2,3,4,7,8-PeCDF	9.78e+06	1.59 y	0.85	30:40	160.01					80.1					
IS 13C-1,2,3,4,7,8-HxCDF	6.73e+06	0.49 y	0.83	33:22	179.26					89.8					
IS 13C-1,2,3,6,7,8-HxCDF	8.35e+06	0.50 y	1.03	33:30	178.74					89.5					
IS 13C-2,3,4,6,7,8-HxCDF	7.07e+06	0.50 y	0.95	34:07	164.28					82.3					
IS 13C-1,2,3,7,8,9-HxCDF	6.52e+06	0.50 y	0.83	35:08	174.48					87.4					
IS 13C-1,2,3,4,6,7,8-HpCDF	5.57e+06	0.43 y	0.76	36:57	162.96					81.6					
IS 13C-1,2,3,4,7,8,9-HpCDF	4.39e+06	0.43 y	0.58	38:40	167.26					83.8					
IS 13C-OCDF	9.61e+06	0.87 y	0.69	41:42	308.90					77.4					
C/Up 37Cl-2,3,7,8-TCDD	3.31e+06		1.20	26:36	62.736					78.6					
											Integrations	Reviewed			
											by	by			
RS/RT 13C-1,2,3,4-TCDD	8.79e+06	0.75 y	1.00	26:01	199.64						Analyst: <u>DB</u>	Analyst: <u>Hu</u>			C7
RS 13C-1,2,3,4-TCDF	1.44e+07	0.81 y	1.00	24:41	199.64										
RS/RT 13C-1,2,3,4,6,9-HxCDF	9.02e+06	0.50 y	1.00	33:48	199.64										
											Date: <u>10/11/19</u>	Date: <u>10/31/19</u>			<u>10/31/19</u>

Totals class: TCDD EMPC

Entry #: 19

Run: 11 File: 191009D1 S: 13 I: 1 F: 1
Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 6.9598 Unnamed Concentration: 6.420

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:24	3.179e+04	3.956e+04	0.80	y	7.135e+04	2.0075
23:43	1.267e+04	1.536e+04	0.83	y	2.803e+04	0.78851
24:07	4.620e+03	4.545e+03	1.02	n	8.045e+03	0.22634
24:49	5.703e+03	7.684e+03	0.74	y	1.339e+04	0.37666
25:00	4.176e+03	4.150e+03	1.01	n	7.346e+03	0.20667
25:10	3.660e+03	5.424e+03	0.67	y	9.084e+03	0.25557
26:22	4.917e+04	5.139e+04	0.96	n	9.095e+04	2.5589
26:35	7.629e+03	1.155e+04	0.66	y	1.918e+04	0.53958 2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 11 File: 191009D1 S: 13 I: 1 F: 2
Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 7.0239 Unnamed Concentration: 6.236

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:56	2.900e+04	4.516e+04	0.64	y	7.416e+04	2.1508
29:22	9.682e+03	1.220e+04	0.79	n	1.989e+04	0.57687
29:48	1.184e+04	1.528e+04	0.77	n	2.491e+04	0.72249
29:57	1.064e+04	1.683e+04	0.63	y	2.747e+04	0.79662
30:03	6.846e+03	9.265e+03	0.74	n	1.510e+04	0.43794
30:15	1.280e+04	1.881e+04	0.68	y	3.161e+04	0.91673
30:56	1.138e+04	1.580e+04	0.72	y	2.718e+04	0.78815
31:02	2.028e+03	3.111e+03	0.65	y	5.139e+03	0.14904
31:18	6.021e+03	1.071e+04	0.56	y	1.673e+04	0.48521

Totals class: HxCDD EMPC

Entry #: 23

Run: 11 File: 191009D1 S: 13 I: 1 F: 3
 Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 43.736 Unnamed Concentration: 36.190

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
32:42	2.469e+05	1.962e+05	1.26 y	4.432e+05	15.583
33:17	3.221e+04	2.664e+04	1.21 y	5.885e+04	2.0692
33:34	2.548e+05	2.040e+05	1.25 y	4.587e+05	16.131
33:41	2.343e+04	2.125e+04	1.10 y	4.467e+04	1.5708
34:18	1.684e+04	1.419e+04	1.19 y	3.103e+04	1.1534 1,2,3,4,7,8-HxCDD
34:24	6.692e+04	5.478e+04	1.22 y	1.217e+05	4.1784 1,2,3,6,7,8-HxCDD
34:36	1.385e+04	9.932e+03	1.39 y	2.379e+04	0.83642
34:43	3.690e+04	2.816e+04	1.31 y	6.506e+04	2.2142 1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 11 File: 191009D1 S: 13 I: 1 F: 4
Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 274.17 Unnamed Concentration: 147.155

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
37:17	1.969e+06	1.940e+06	1.02 y	3.909e+06	147.16
38:06	1.698e+06	1.675e+06	1.01 y	3.374e+06	127.02 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 11 File: 191009D1 S: 13 I: 1 F: 1
 Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 59.960

Unnamed Concentration: 40.282

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
21:26	1.161e+04	1.359e+04	0.85	y	2.520e+04	0.53005	
21:58	1.176e+04	1.533e+04	0.77	y	2.709e+04	0.56971	
22:35	7.240e+04	8.791e+04	0.82	y	1.603e+05	3.3717	
23:03	3.410e+04	4.440e+04	0.77	y	7.850e+04	1.6512	
23:24	8.966e+04	1.202e+05	0.75	y	2.098e+05	4.4132	
23:46	3.285e+04	4.787e+04	0.69	y	8.072e+04	1.6977	
23:53	1.027e+04	1.021e+04	1.01	n	1.807e+04	0.38015	
24:03	2.073e+04	2.556e+04	0.81	y	4.629e+04	0.97354	
24:22	8.683e+03	1.094e+04	0.79	y	1.962e+04	0.41274	
24:29	1.154e+04	1.009e+04	1.14	n	1.786e+04	0.37565	
24:40	9.332e+04	1.286e+05	0.73	y	2.219e+05	4.6673	
25:06	2.868e+05	3.664e+05	0.78	y	6.533e+05	13.740	
25:19	2.003e+04	2.387e+04	0.84	y	4.390e+04	0.92331	
25:30	1.079e+04	1.529e+04	0.71	y	2.608e+04	0.54845	
25:45	6.041e+04	7.331e+04	0.82	y	1.337e+05	2.8124	
25:52	4.132e+05	5.224e+05	0.79	y	9.356e+05	19.678	2,3,7,8-TCDF
26:10	3.196e+04	4.683e+04	0.68	y	7.879e+04	1.6572	
27:34	3.245e+04	4.161e+04	0.78	y	7.406e+04	1.5576	

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 11 File: 191009D1 S: 13 I: 1 F: 1
Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 7.4220 Unnamed Concentration: 7.422

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:30	2.231e+05	1.391e+05	1.60 y	3.622e+05	7.4220

Totals class: PeCDF EMPC

Entry #: 31

Run: 11 File: 191009D1 S: 13 I: 1 F: 2
 Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 55.259

Unnamed Concentration: 26.727

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
28:55	3.632e+05	2.496e+05	1.46	y	6.127e+05	12.556	
29:26	5.509e+04	3.945e+04	1.40	y	9.454e+04	1.9374	
29:38	6.610e+04	4.382e+04	1.51	y	1.099e+05	2.2525	
29:48	5.878e+05	3.652e+05	1.61	y	9.530e+05	19.900	1,2,3,7,8-PeCDF
30:01	2.041e+05	1.308e+05	1.56	y	3.349e+05	6.8624	
30:34	1.409e+04	8.163e+03	1.73	y	2.225e+04	0.45592	
30:40	2.575e+05	1.715e+05	1.50	y	4.290e+05	8.6324	2,3,4,7,8-PeCDF
30:45	6.162e+04	4.191e+04	1.47	y	1.035e+05	2.1215	
31:32	1.606e+04	1.305e+04	1.23	n	2.642e+04	0.54131	

Totals class: HxCDF EMPC

Entry #: 33

Run: 11

File: 191009D1

S: 13 I: 1 F: 3

Acquired: 10-OCT-19 01:44:36

Processed: 10-OCT-19 10:29:36

Total Concentration: 69.808

Unnamed Concentration: 30.185

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
32:09	6.953e+04	5.451e+04	1.28	y	1.240e+05	3.1304	
32:19	2.350e+05	1.923e+05	1.22	y	4.272e+05	10.782	
32:41	7.411e+03	6.798e+03	1.09	y	1.421e+04	0.35861	
32:53	3.109e+05	2.600e+05	1.20	y	5.709e+05	14.407	
33:16	1.217e+04	9.293e+03	1.31	y	2.146e+04	0.54167	
33:23	6.015e+05	4.865e+05	1.24	y	1.088e+06	27.411	1,2,3,4,7,8-HxCDF
33:30	1.697e+05	1.285e+05	1.32	y	2.982e+05	6.6692	1,2,3,6,7,8-HxCDF
34:08	5.683e+04	4.715e+04	1.21	y	1.040e+05	2.6357	2,3,4,6,7,8-HxCDF
35:09	5.567e+04	4.515e+04	1.23	y	1.008e+05	2.9071	1,2,3,7,8,9-HxCDF
35:13	2.161e+04	1.666e+04	1.30	y	3.828e+04	0.96603	

Totals class: HpCDF EMPC

Entry #: 35

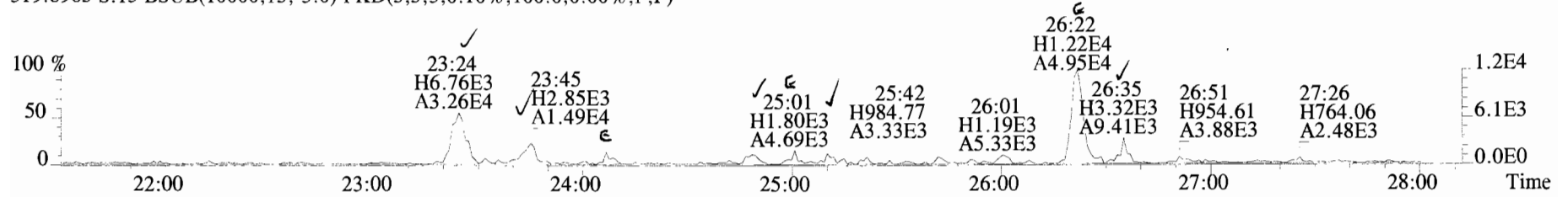
Run: 11 File: 191009D1 S: 13 I: 1 F: 4
Acquired: 10-OCT-19 01:44:36 Processed: 10-OCT-19 10:29:36

Total Concentration: 72.797

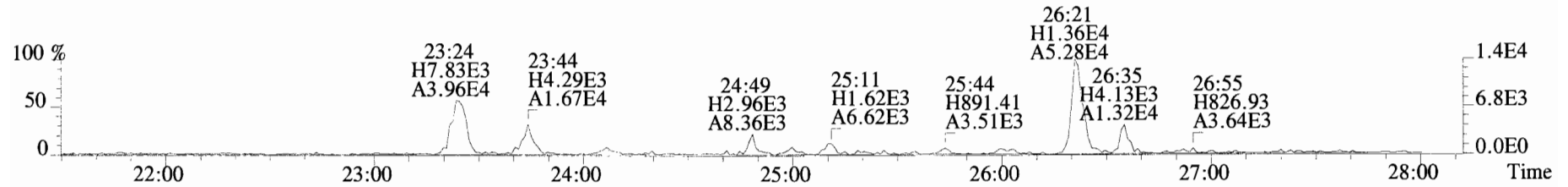
Unnamed Concentration: 44.129

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
36:57	3.664e+05	3.666e+05	1.00 y	7.330e+05 23.281	1,2,3,4,6,7,8-HpCDF <i>P</i>
37:18	9.476e+03	8.806e+03	1.08 y	1.828e+04 0.61365	
37:28	6.594e+05	6.371e+05	1.04 y	1.296e+06 43.516	
38:41	7.889e+04	7.274e+04	1.08 y	1.516e+05 5.3870	1,2,3,4,7,8,9-HpCDF

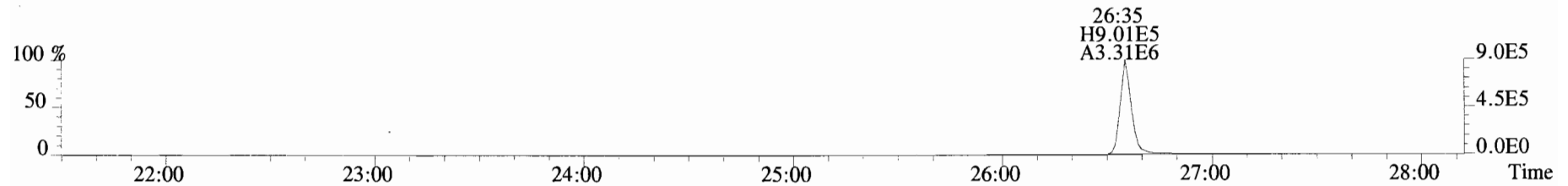
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



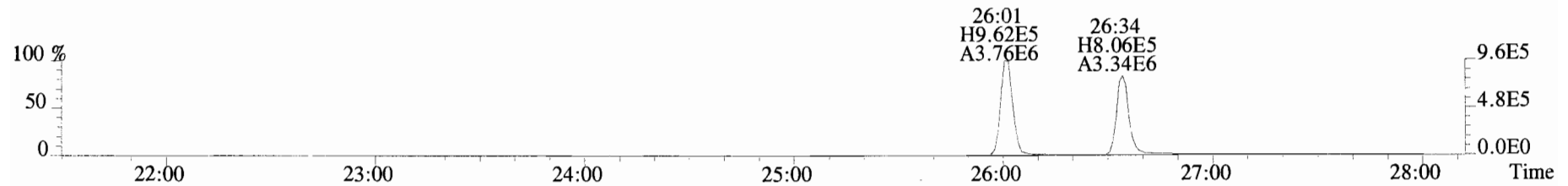
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



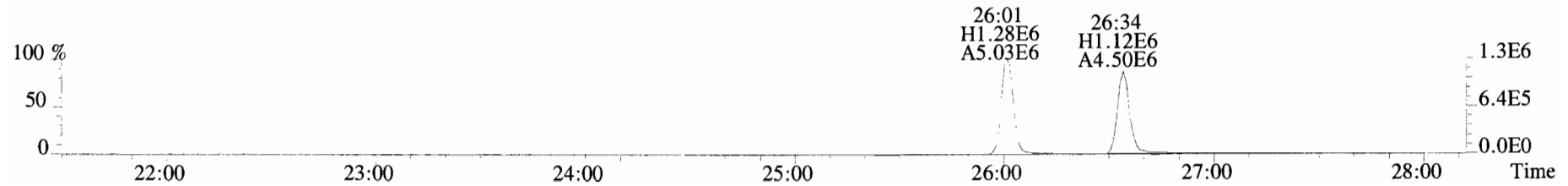
327.8847 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



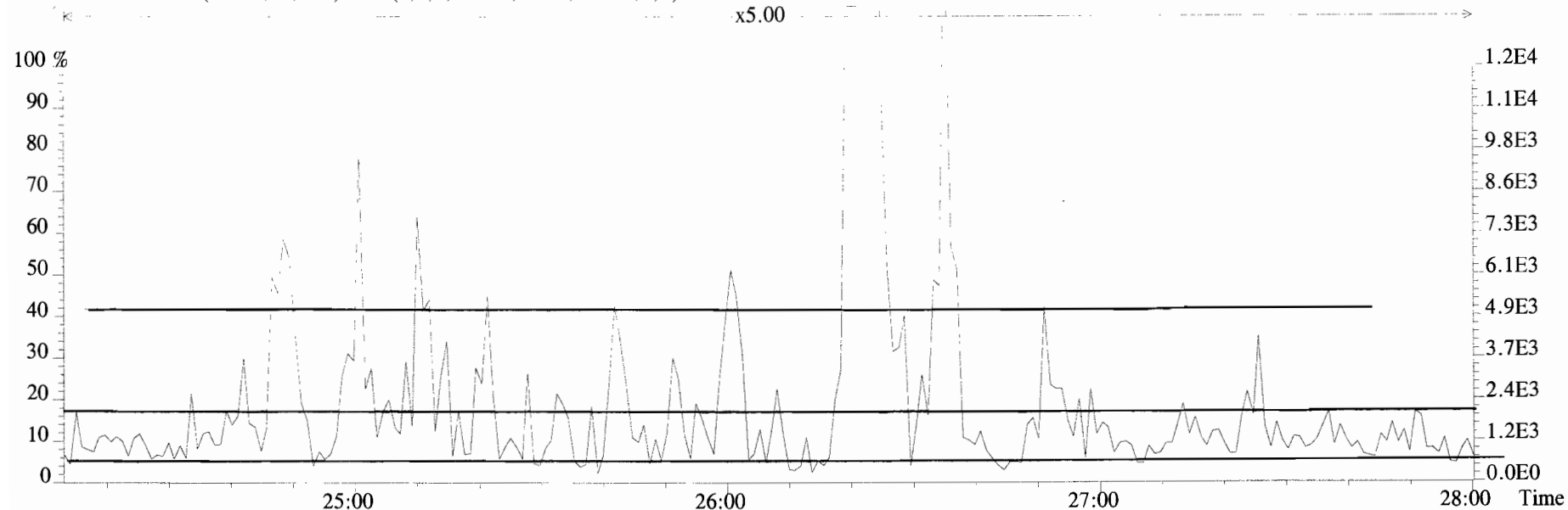
331.9368 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



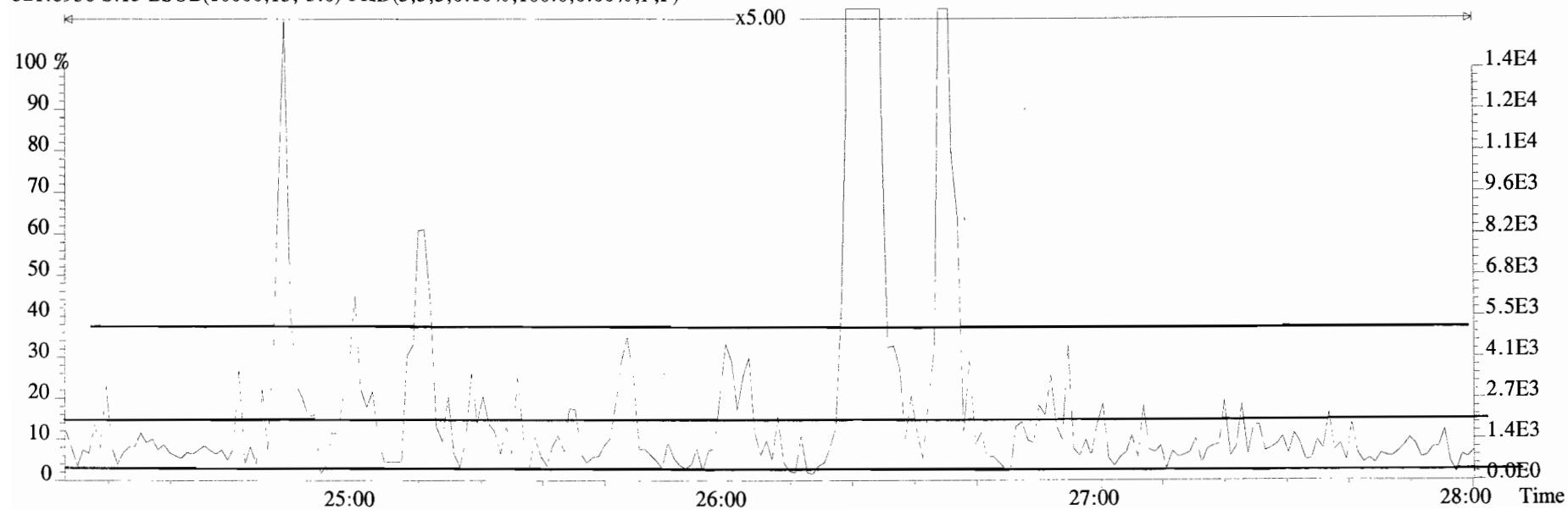
333.9339 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



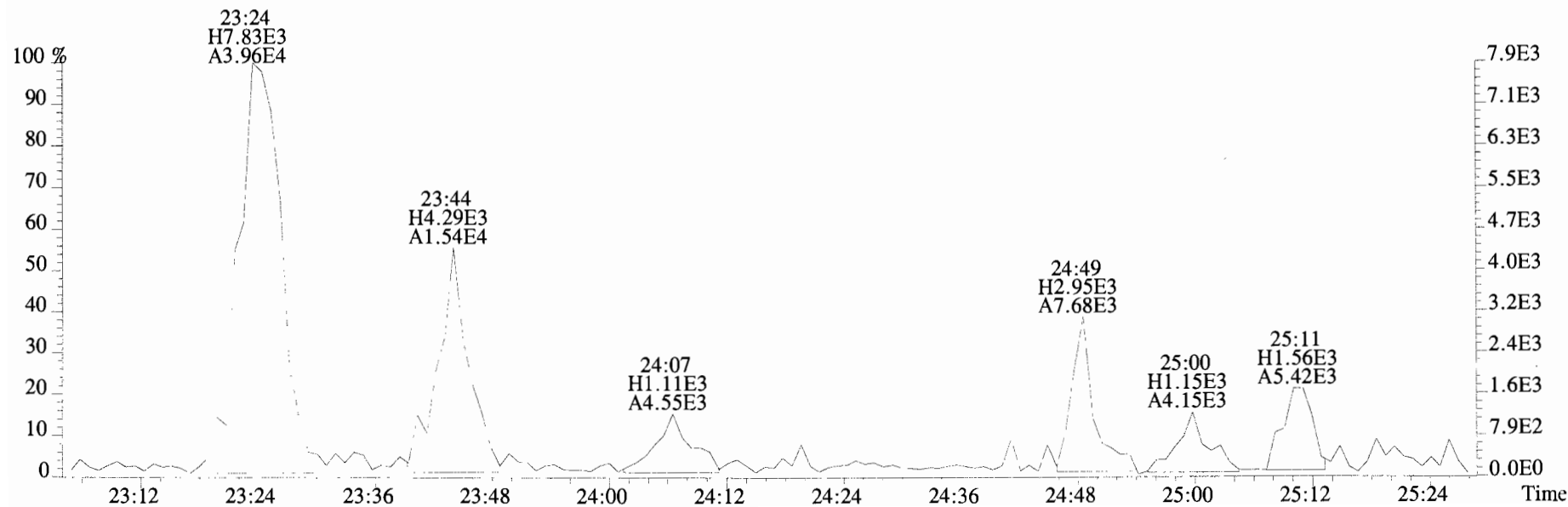
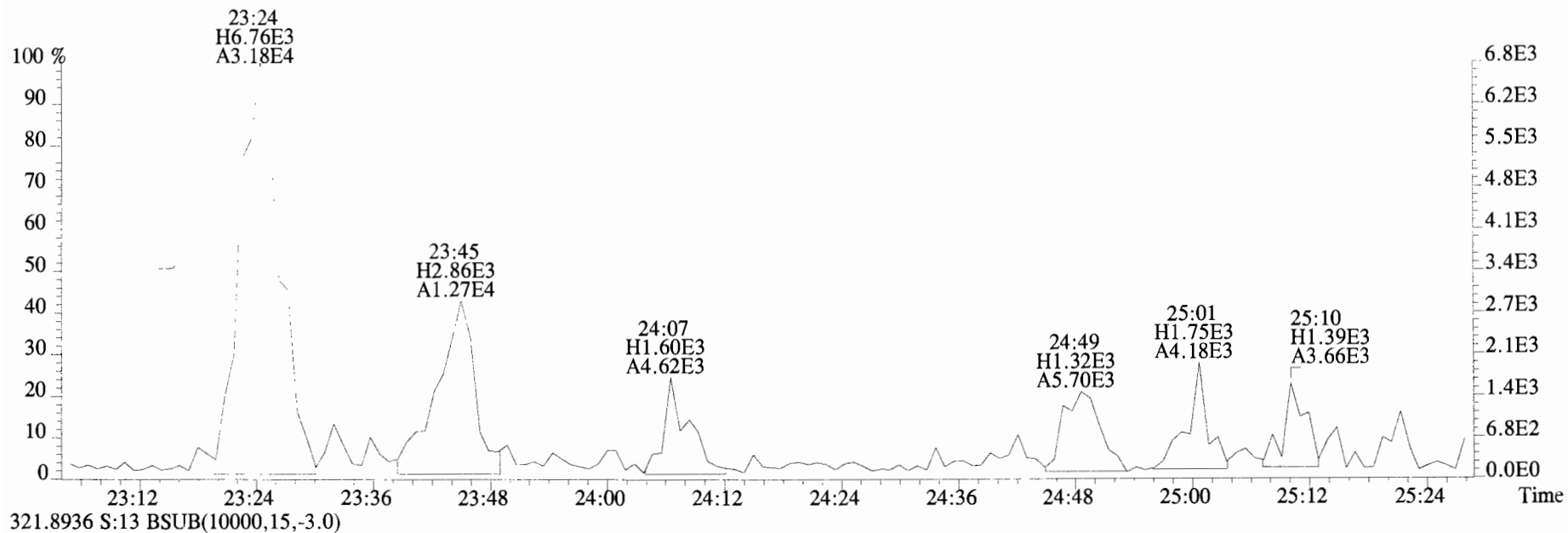
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



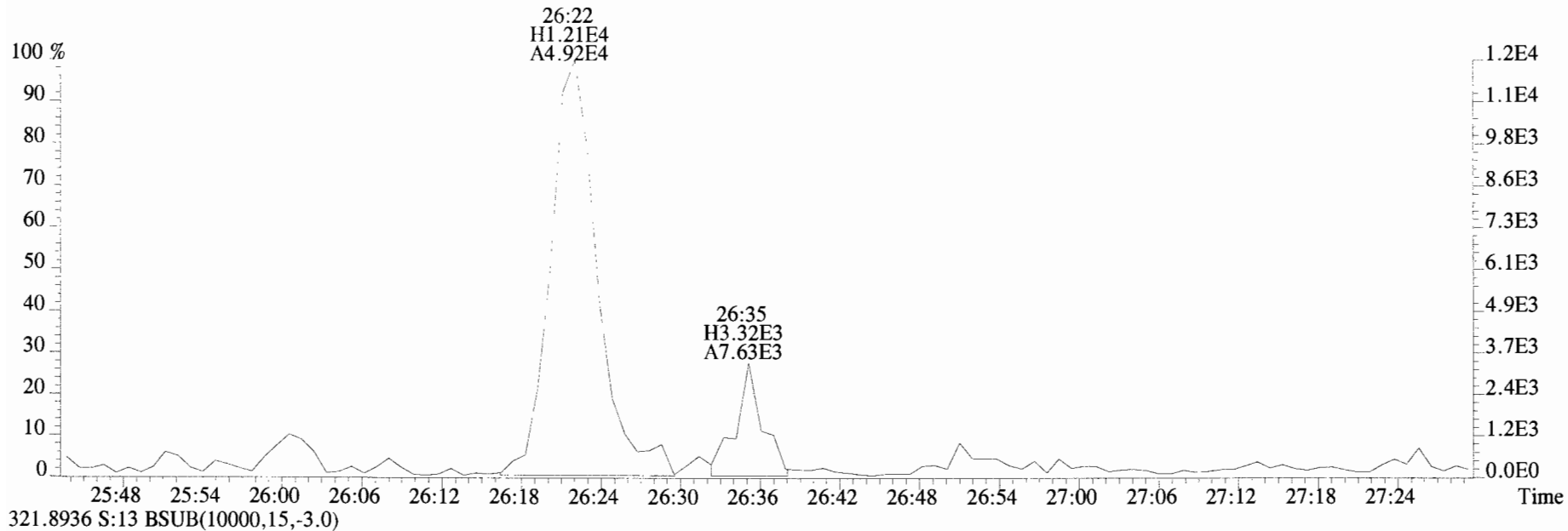
321.8936 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



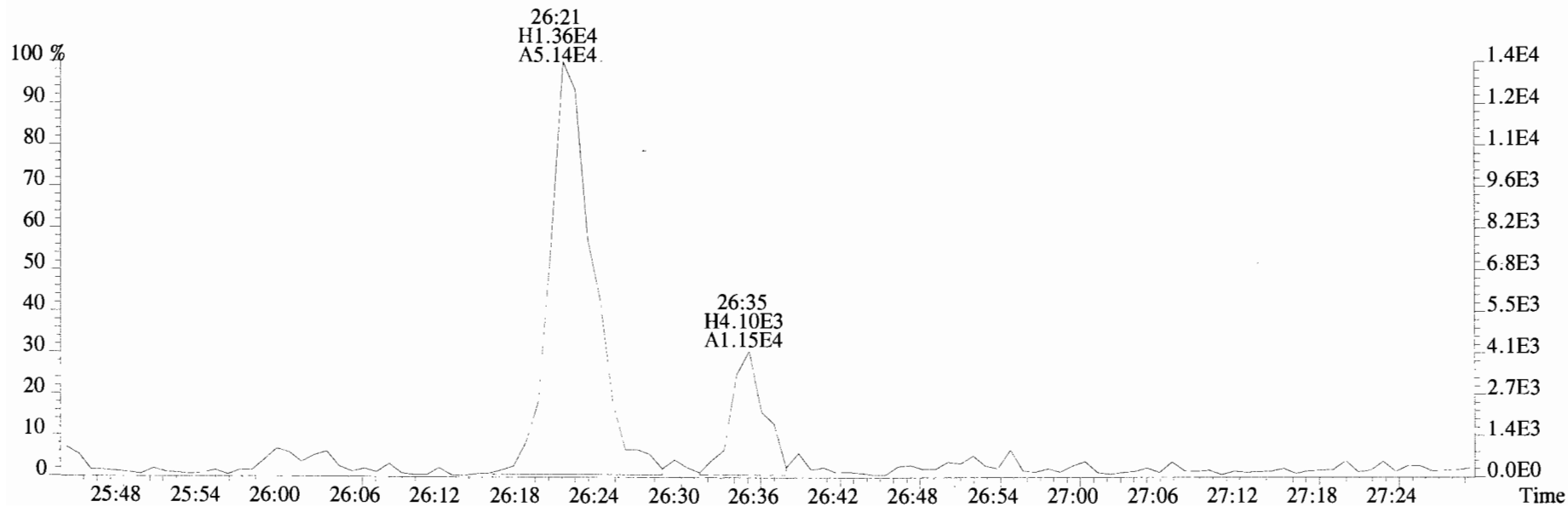
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0)



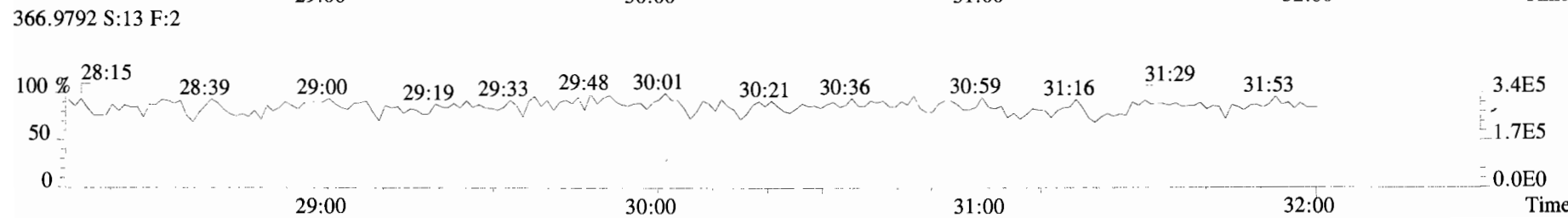
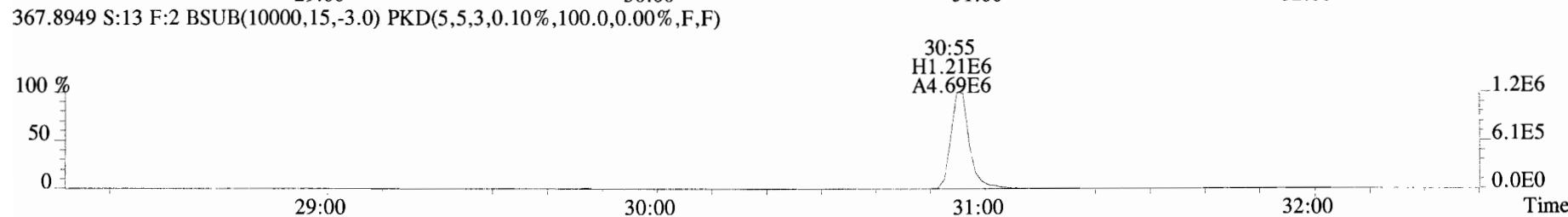
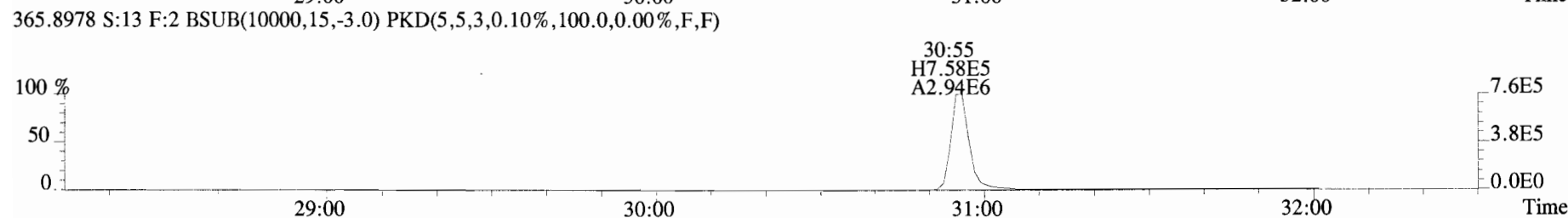
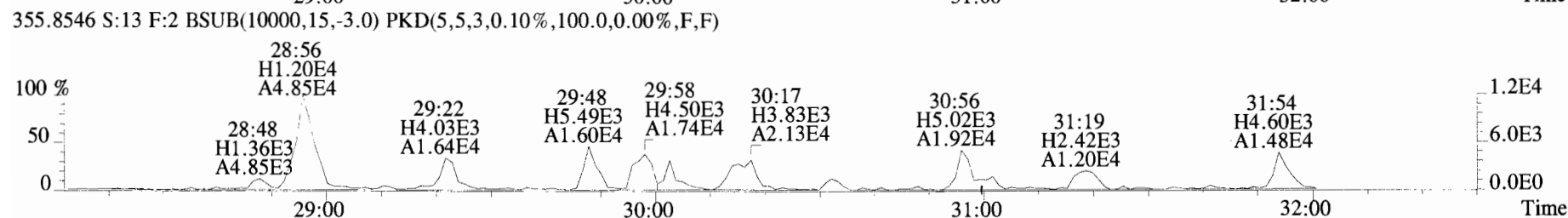
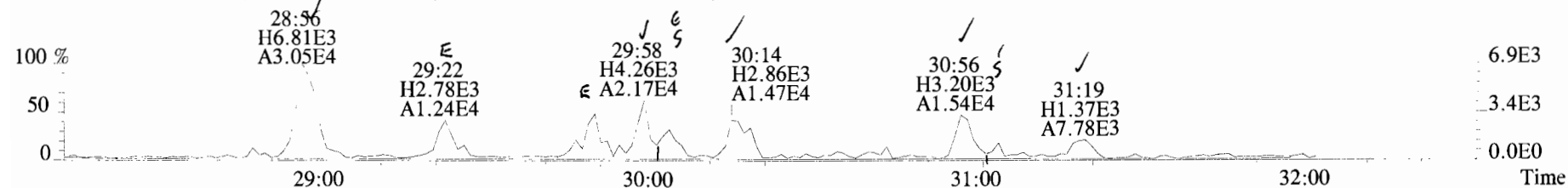
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
319.8965 S:13 BSUB(10000,15,-3.0)



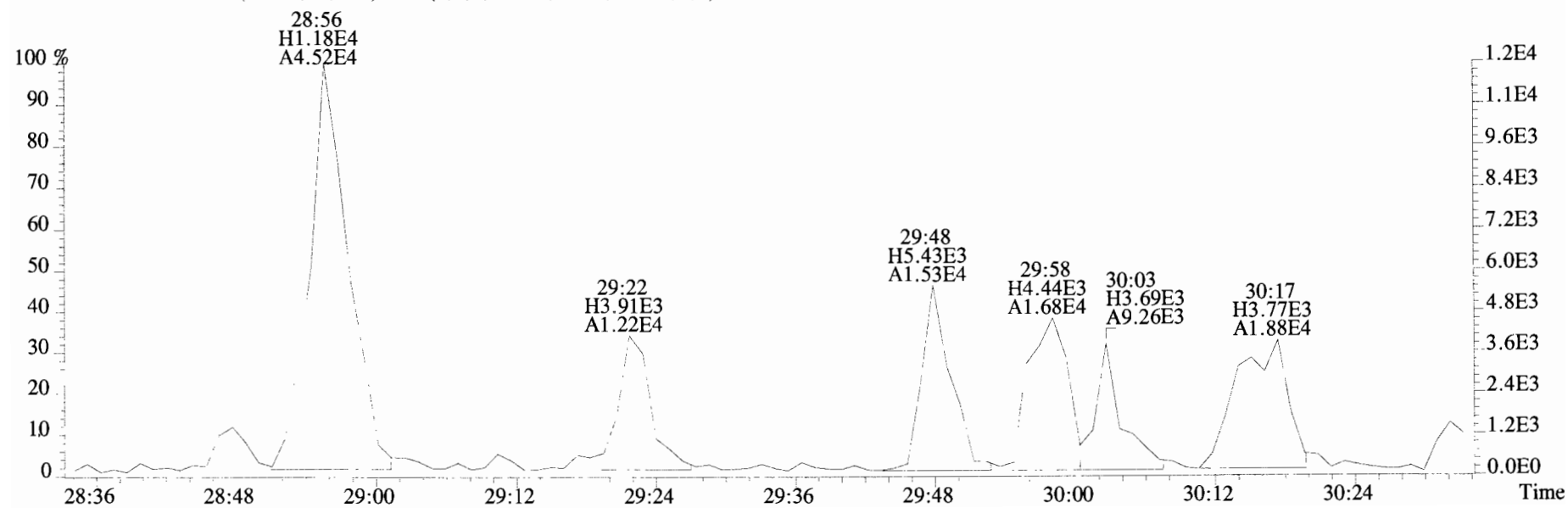
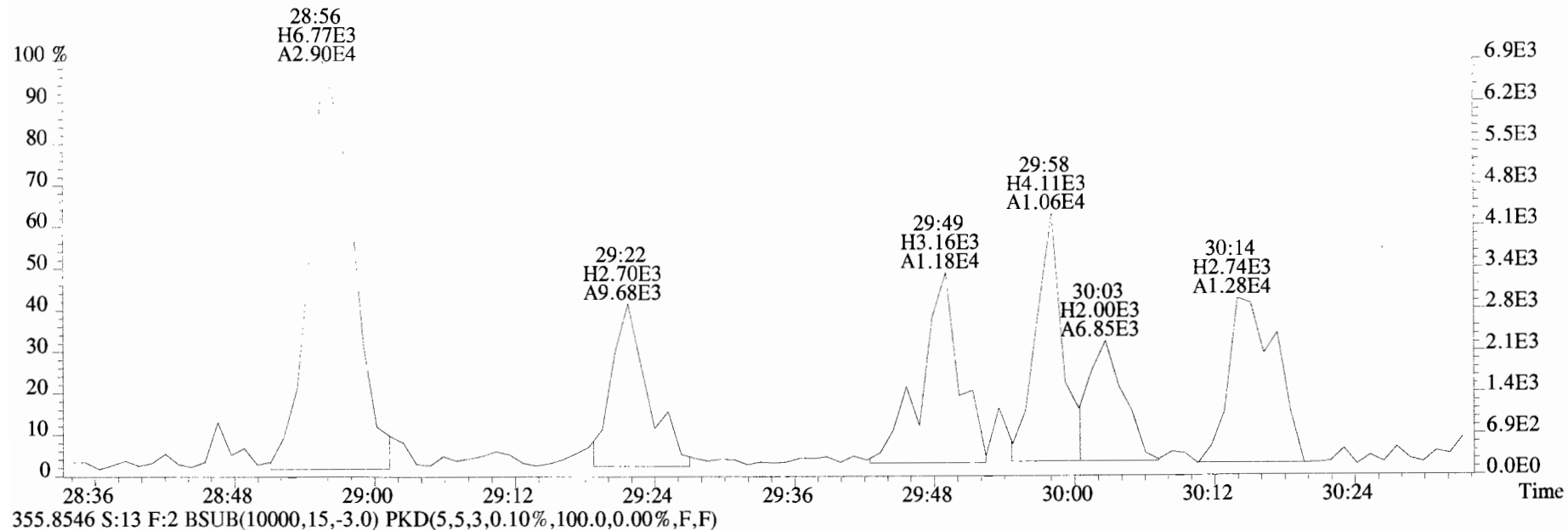
321.8936 S:13 BSUB(10000,15,-3.0)



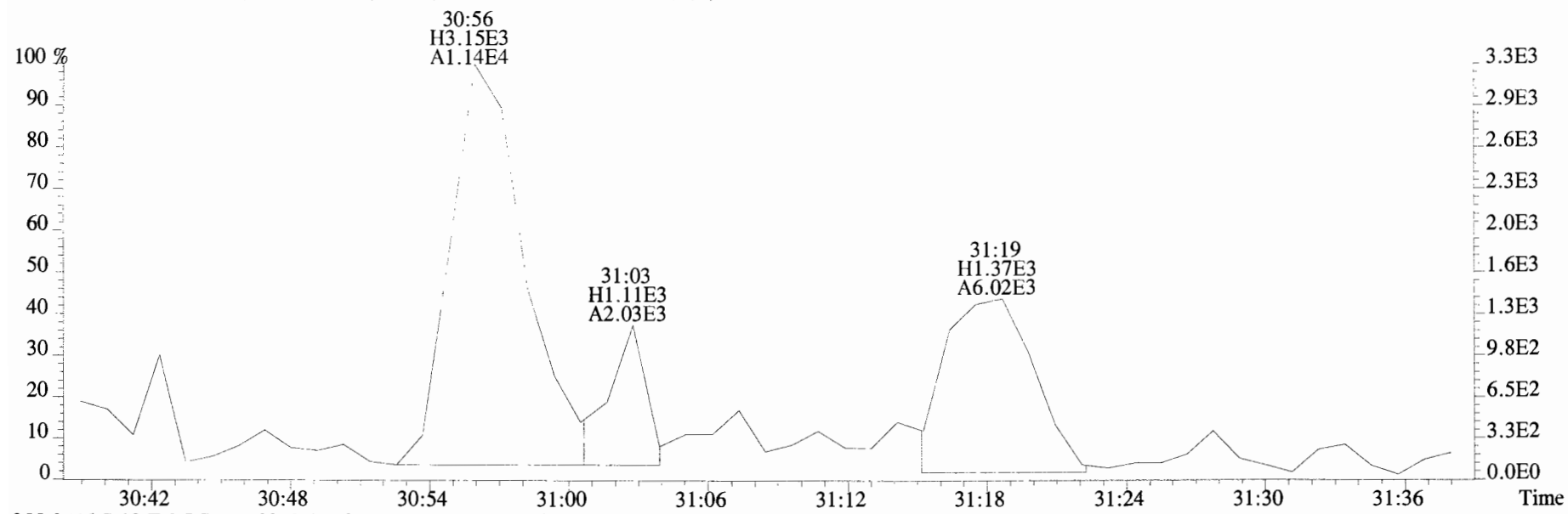
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



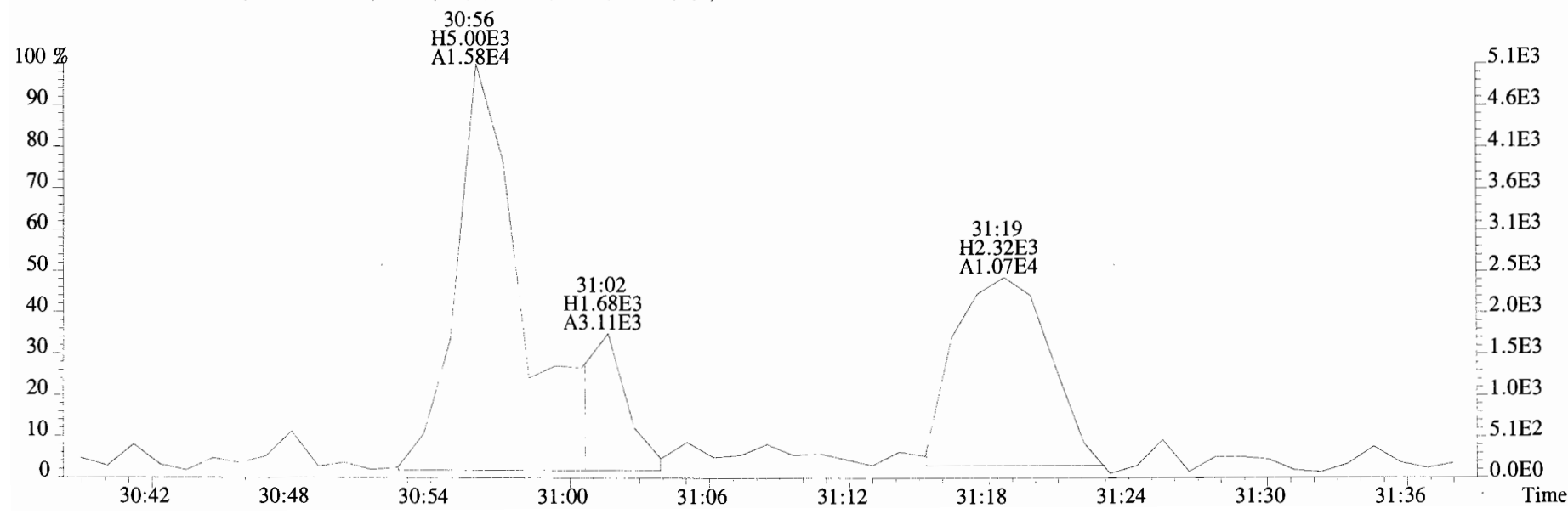
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



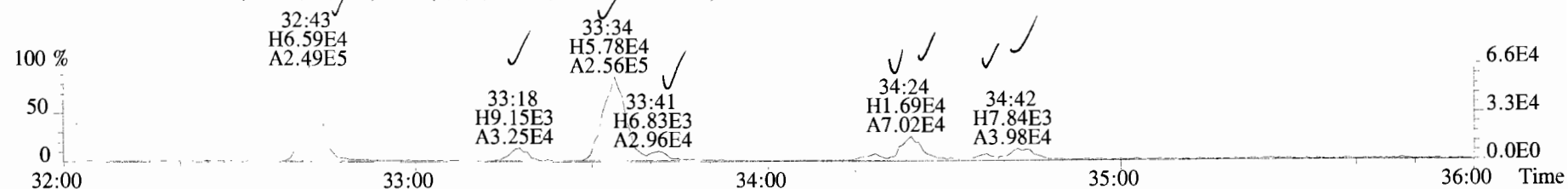
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 353.8576 S:13 F:2 BSUB(I0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



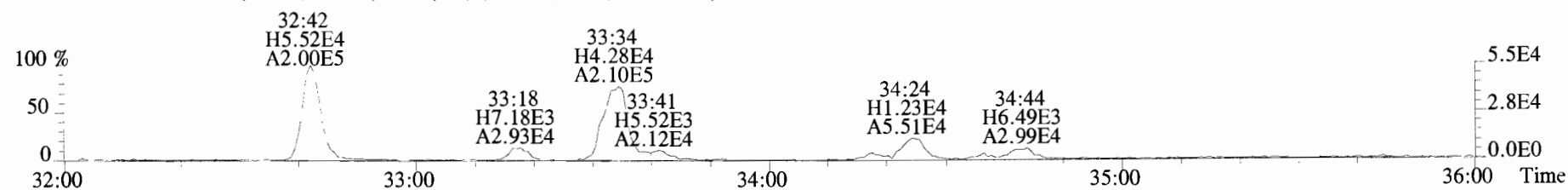
355.8546 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



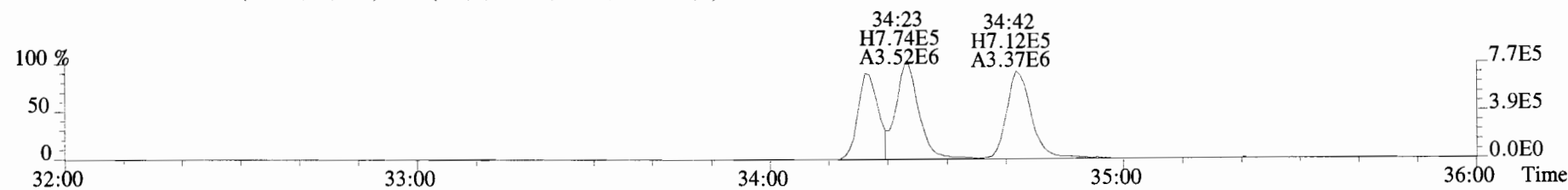
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



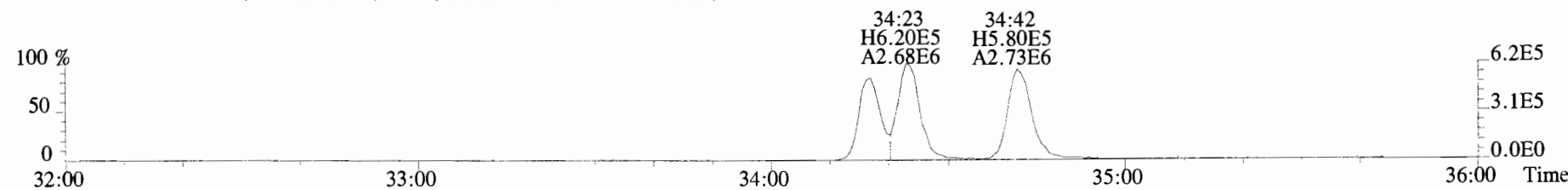
391.8127 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



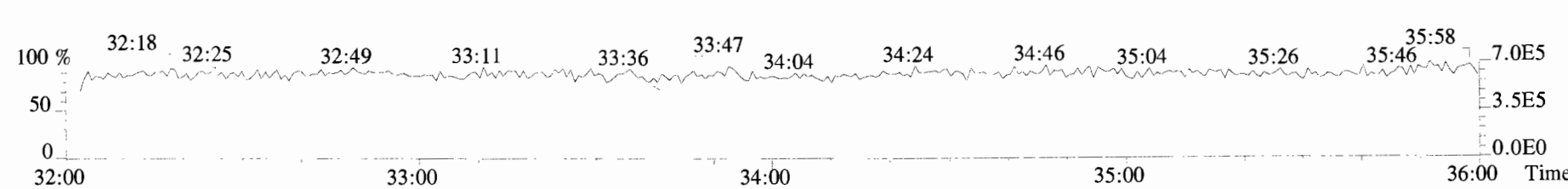
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



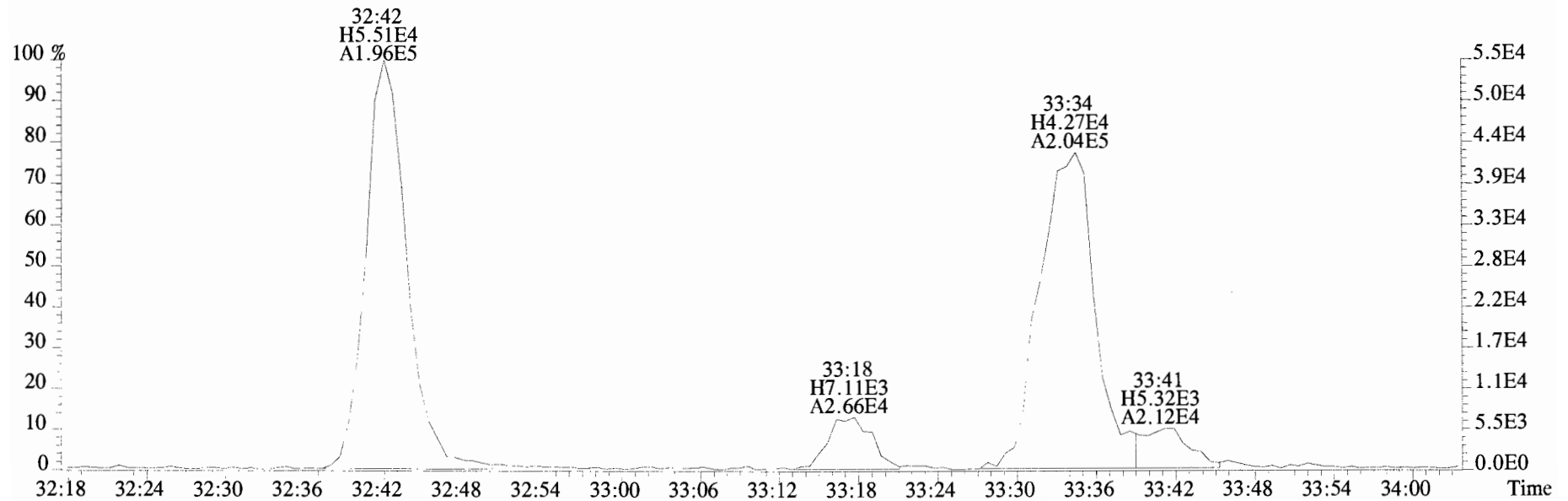
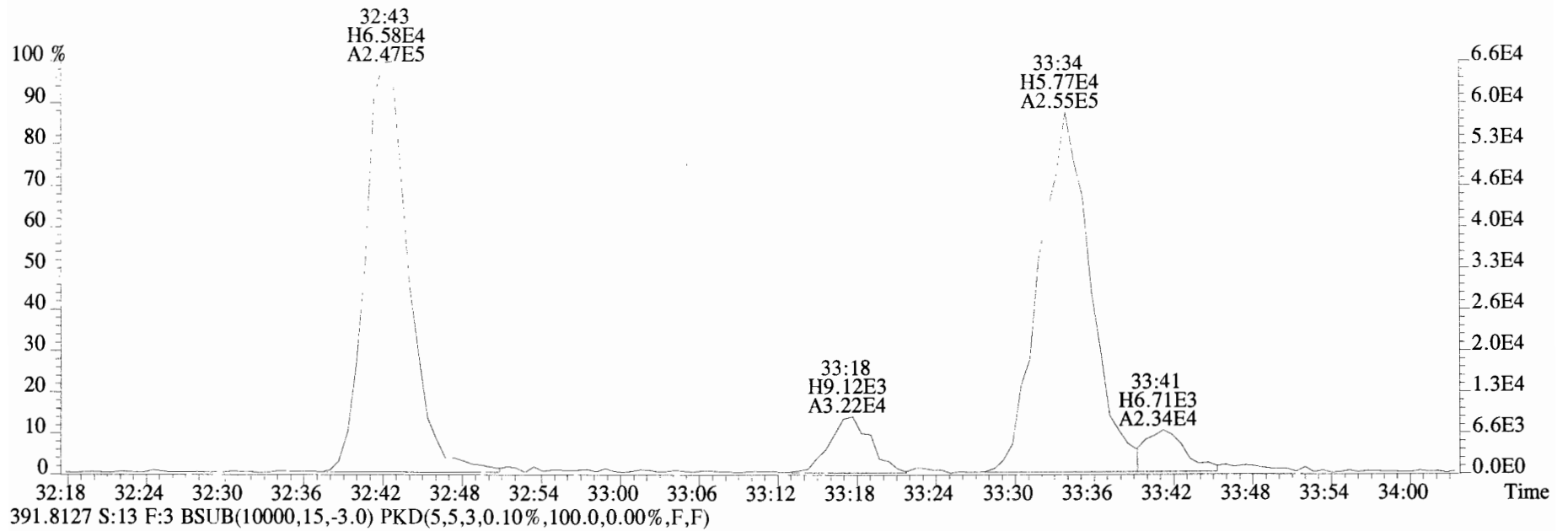
403.8530 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



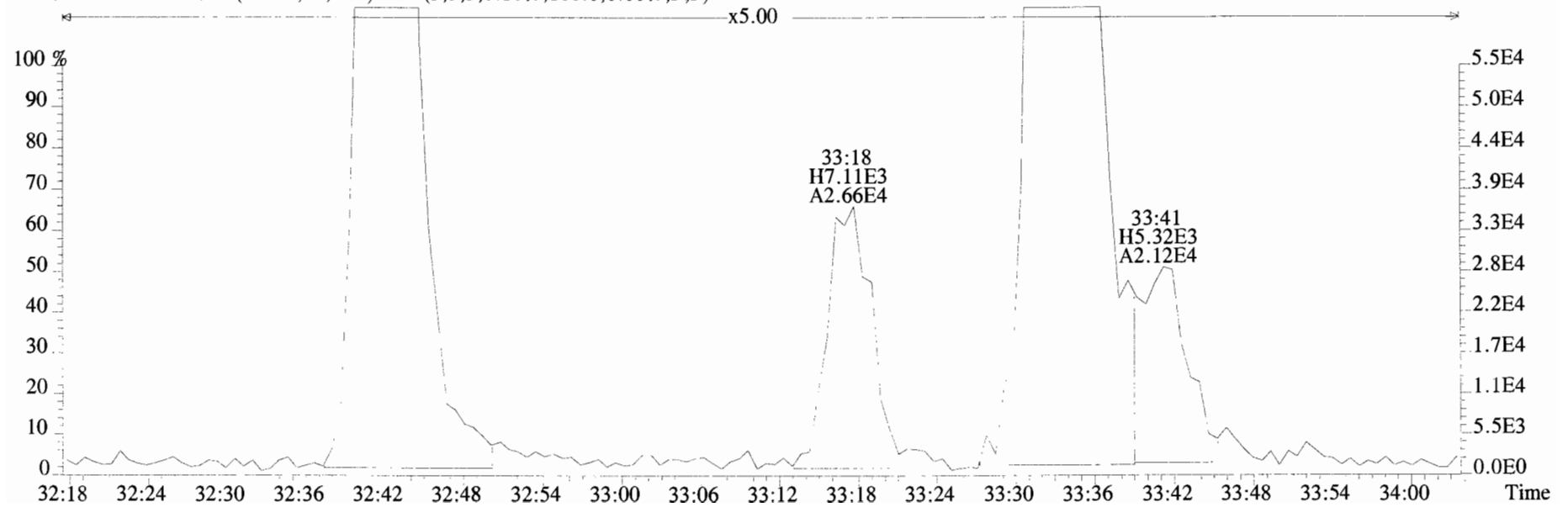
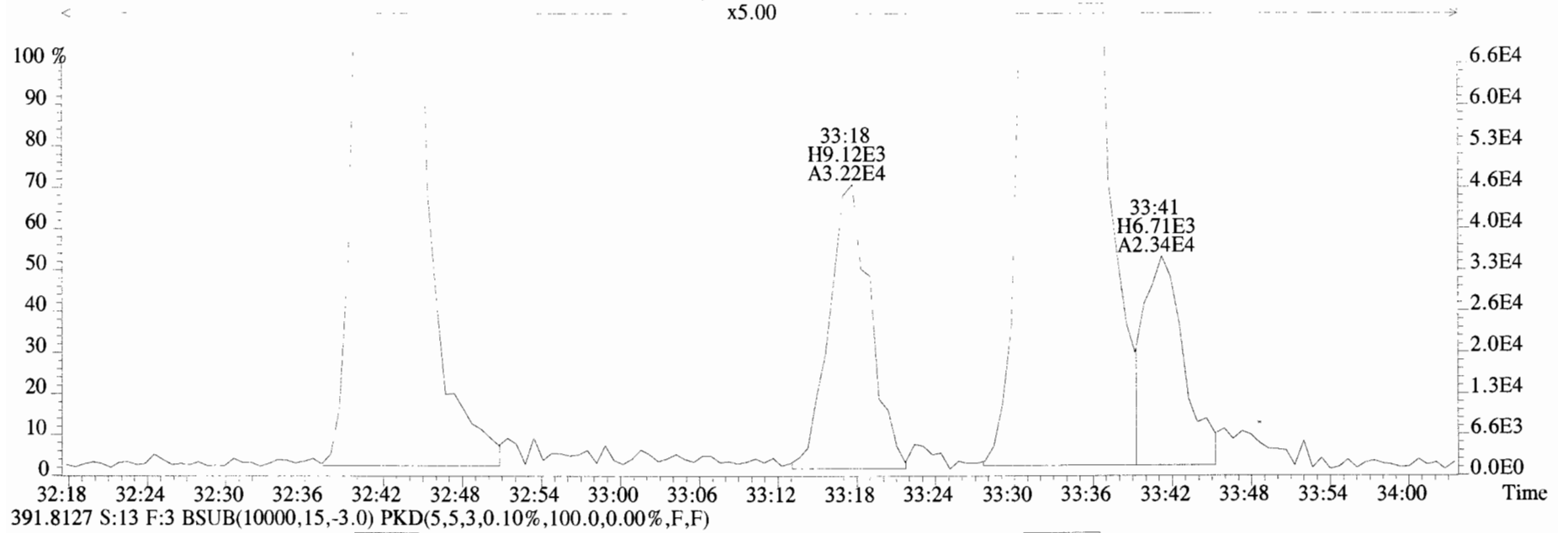
392.9760 S:13 F:3



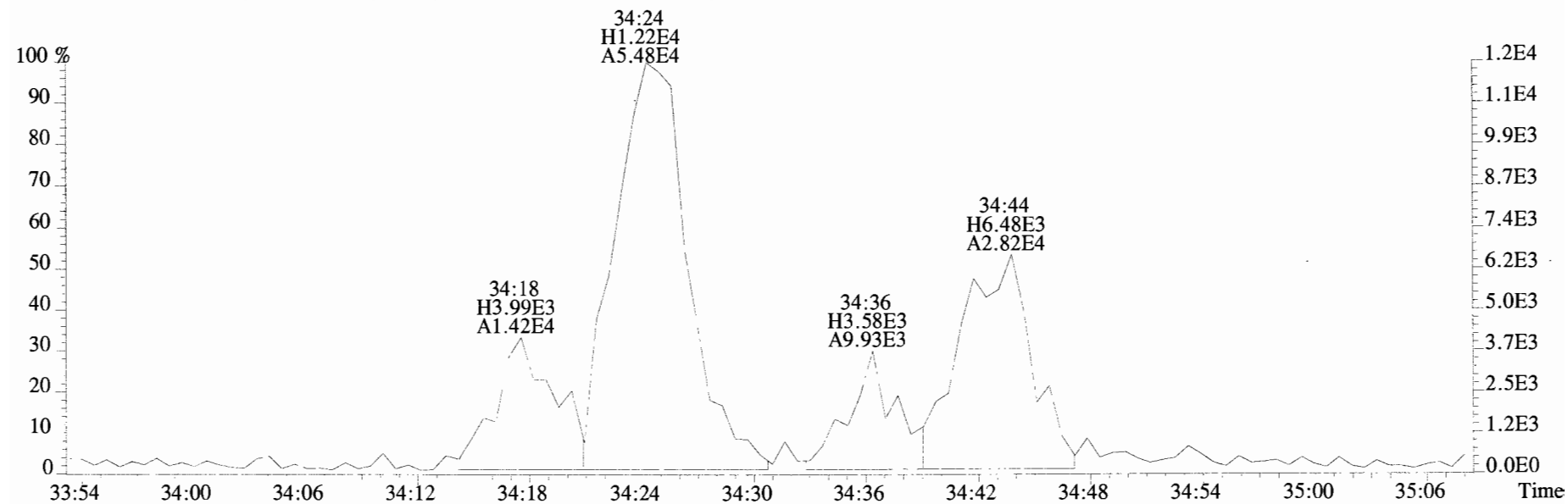
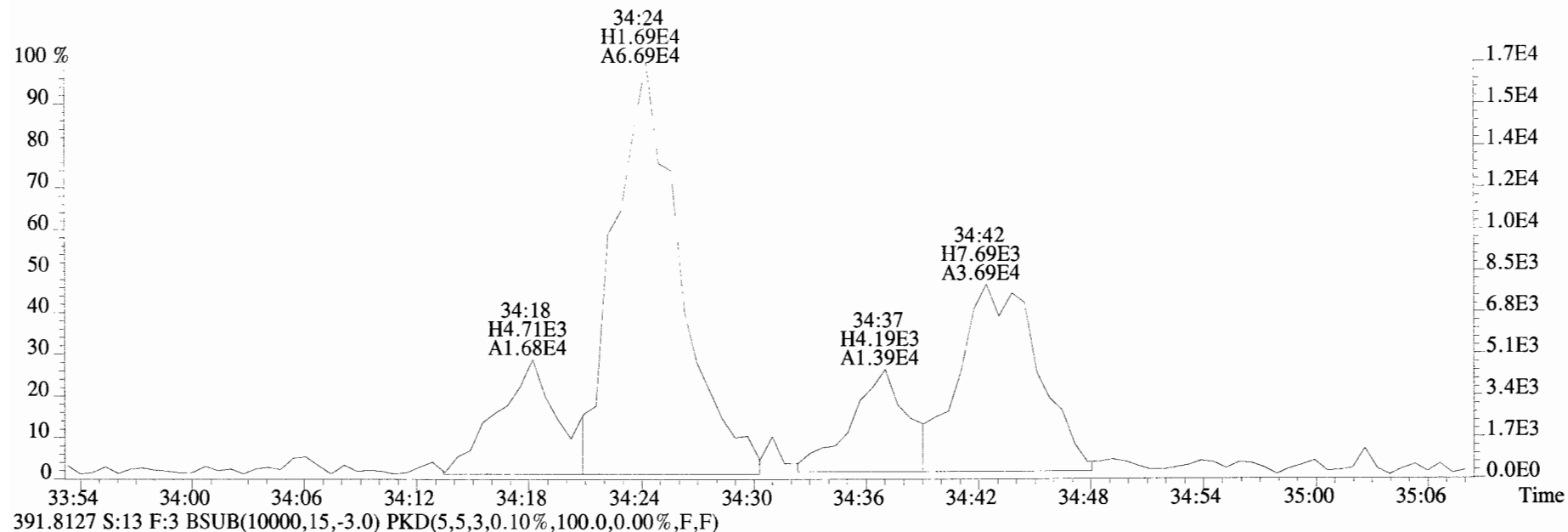
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



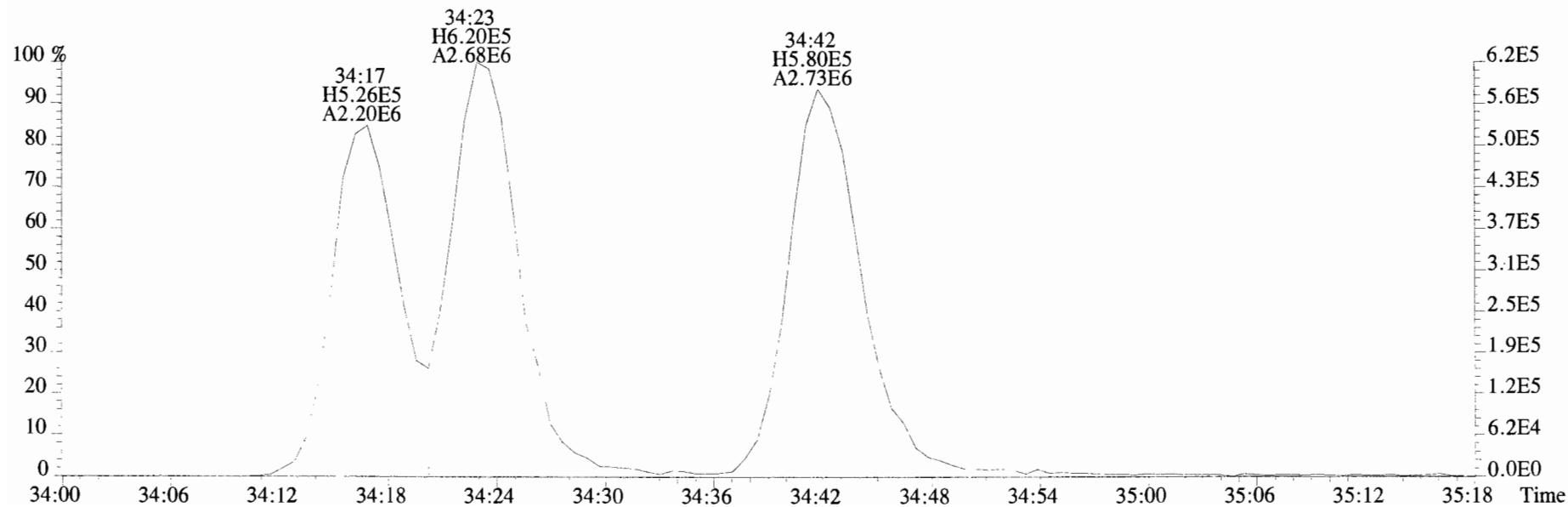
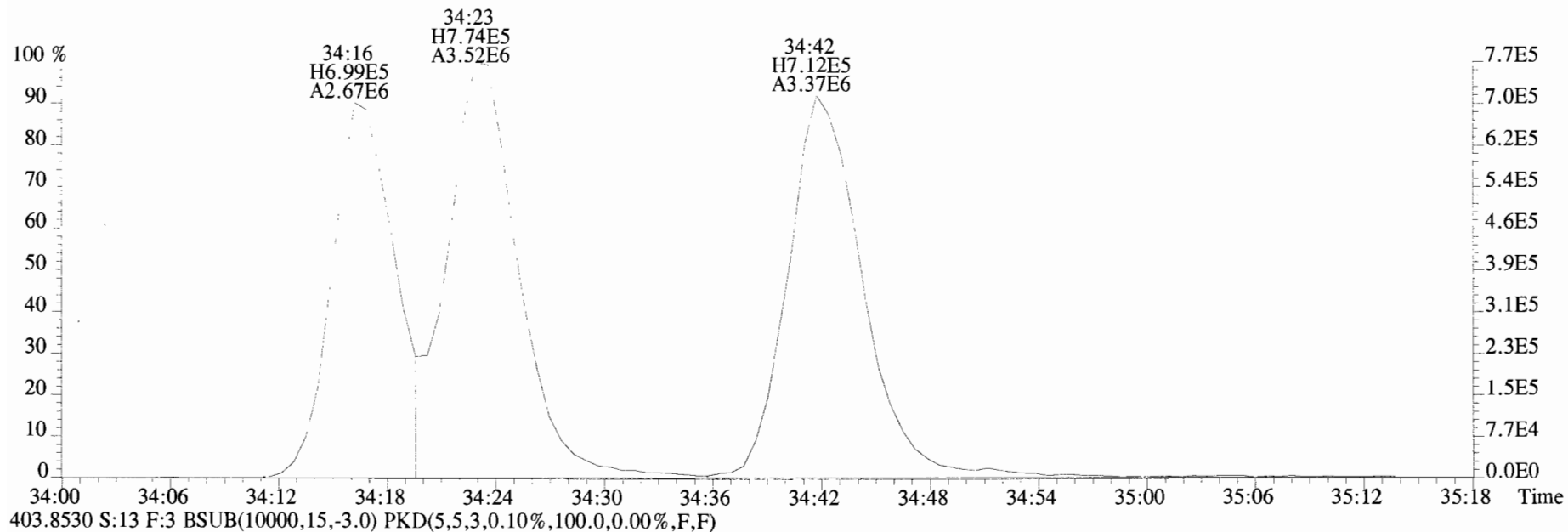
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



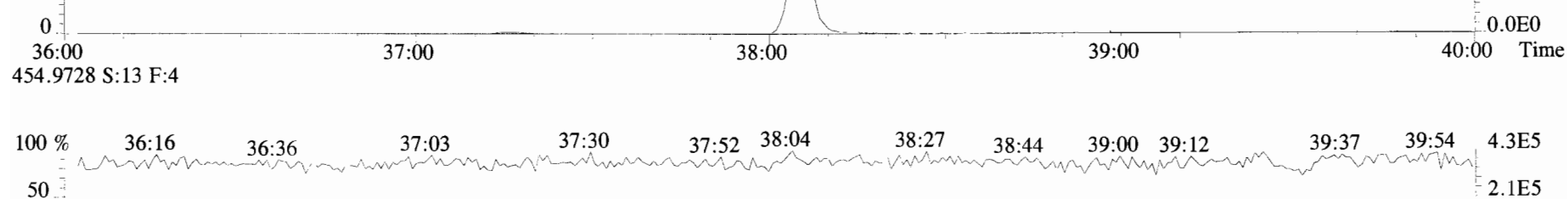
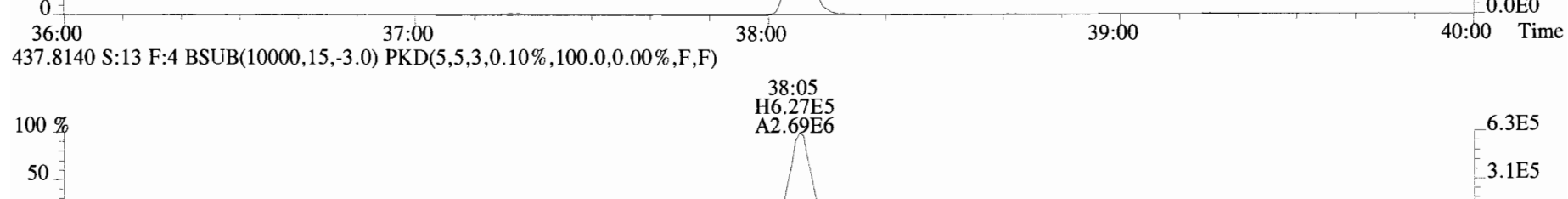
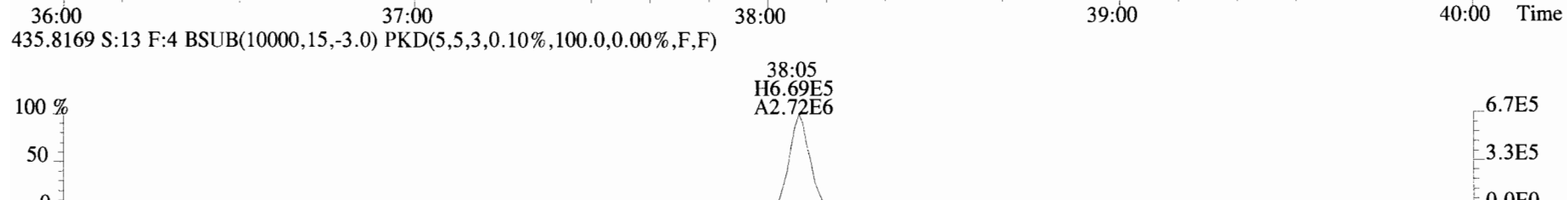
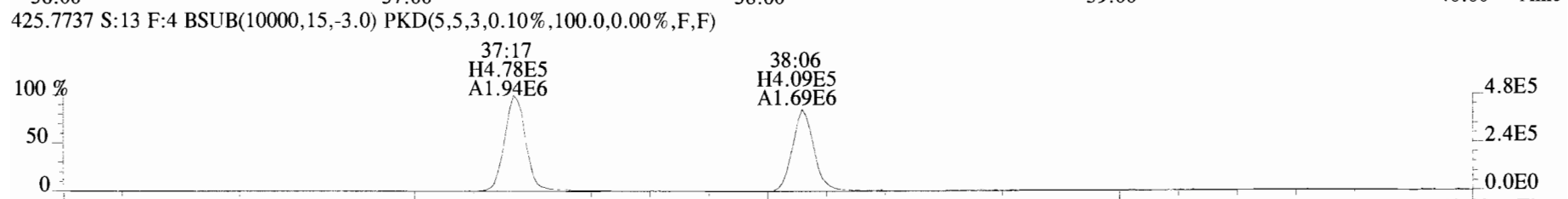
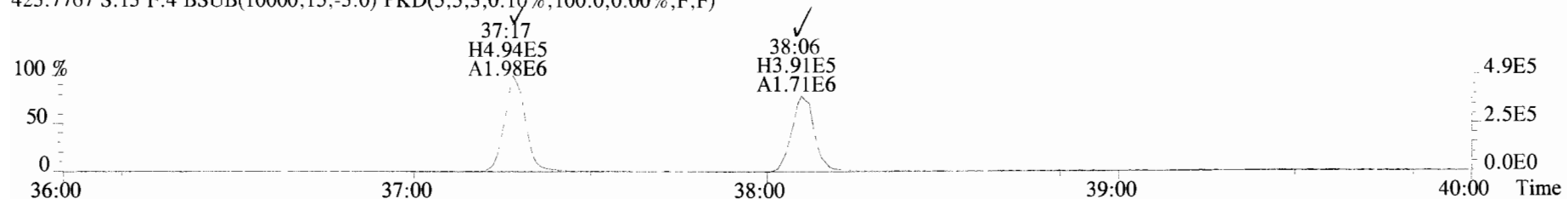
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
389.8156 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



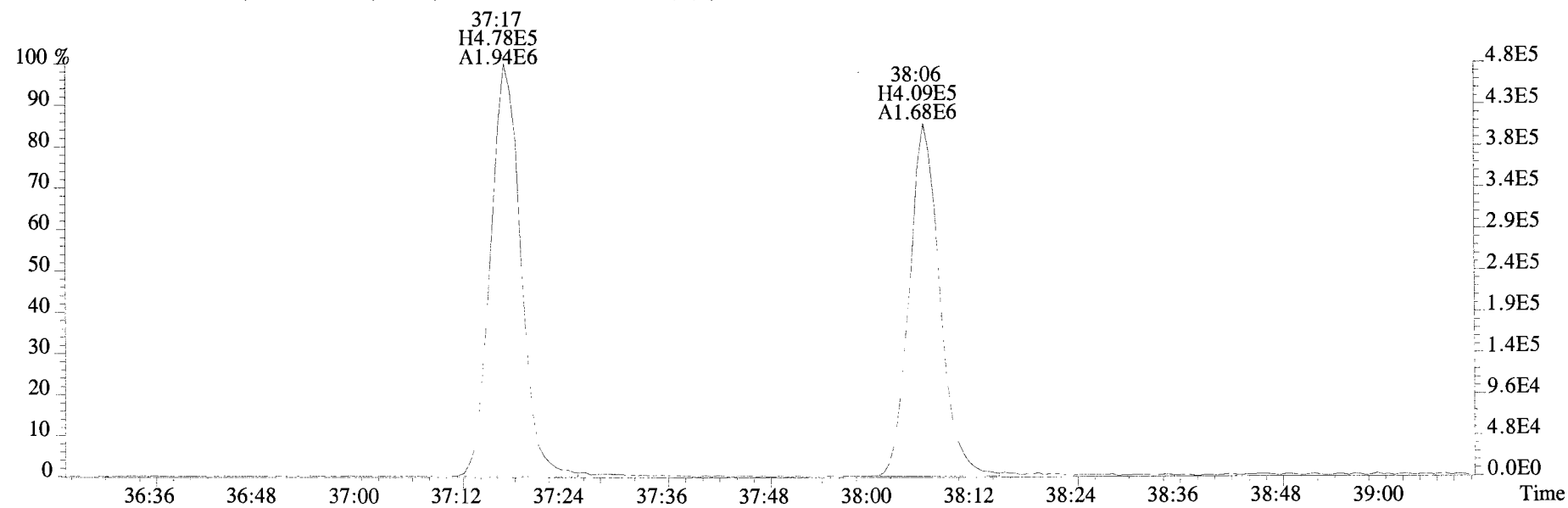
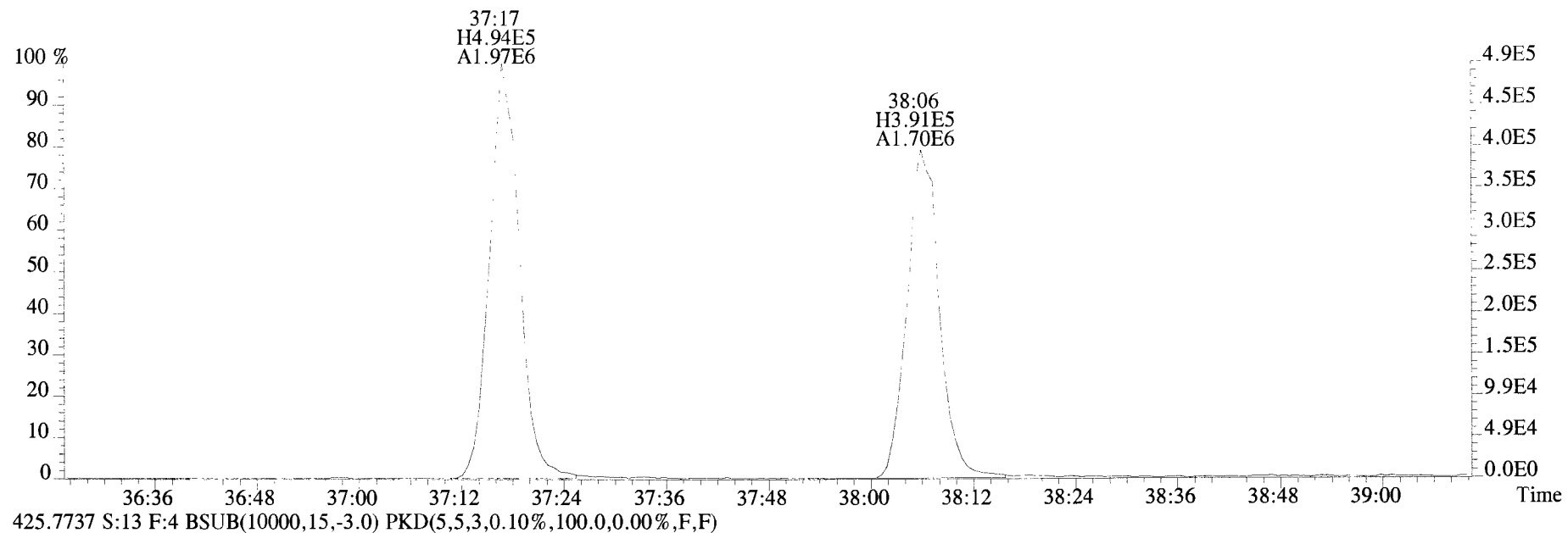
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
401.8559 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



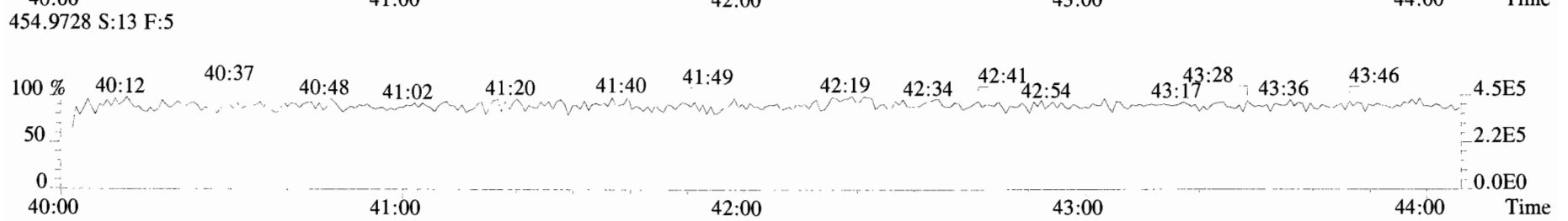
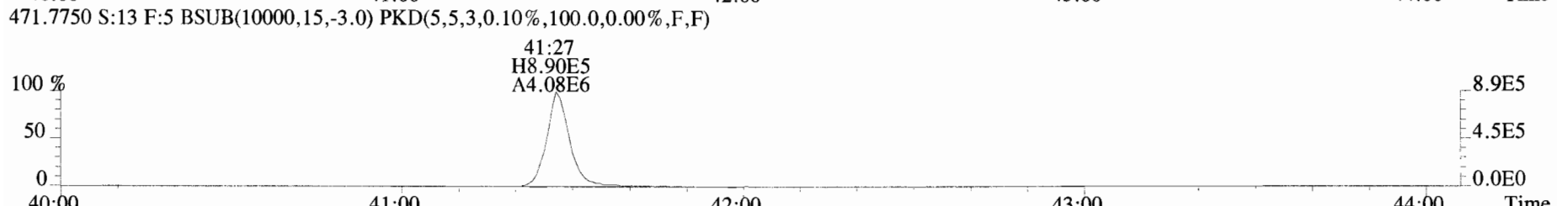
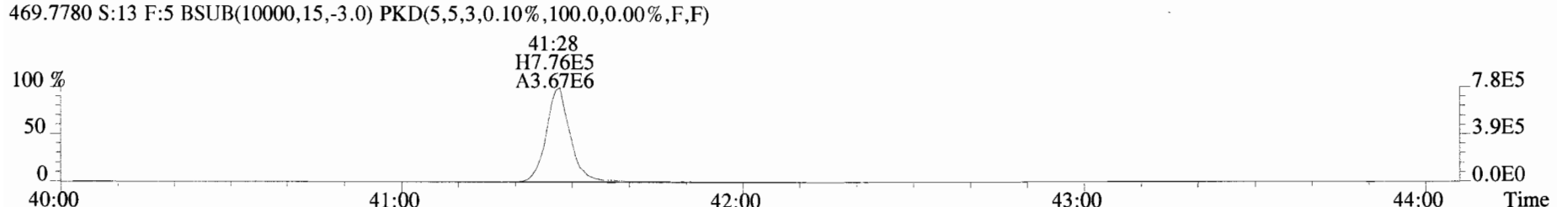
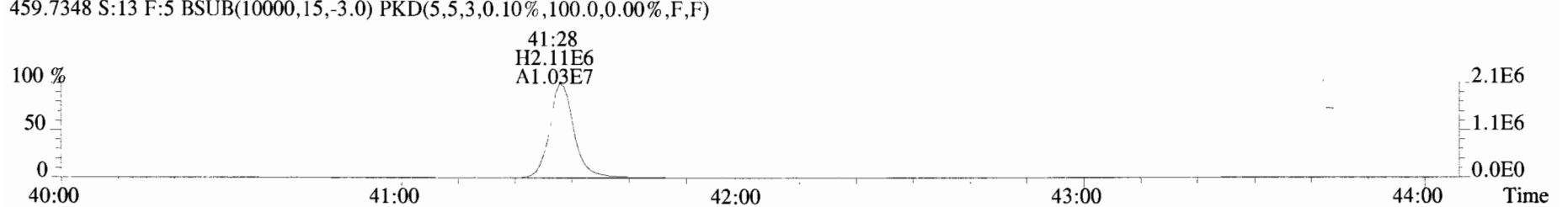
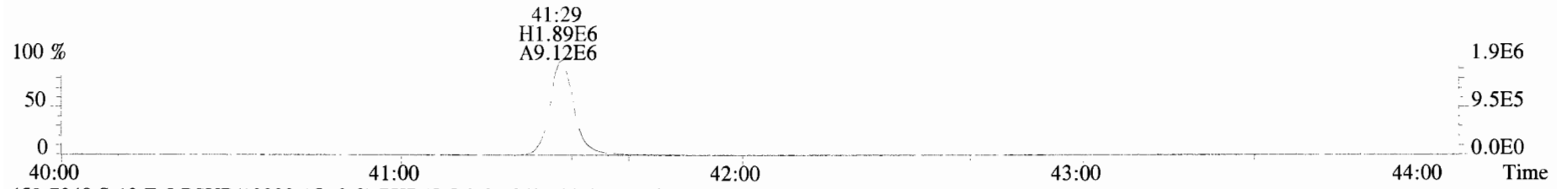
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



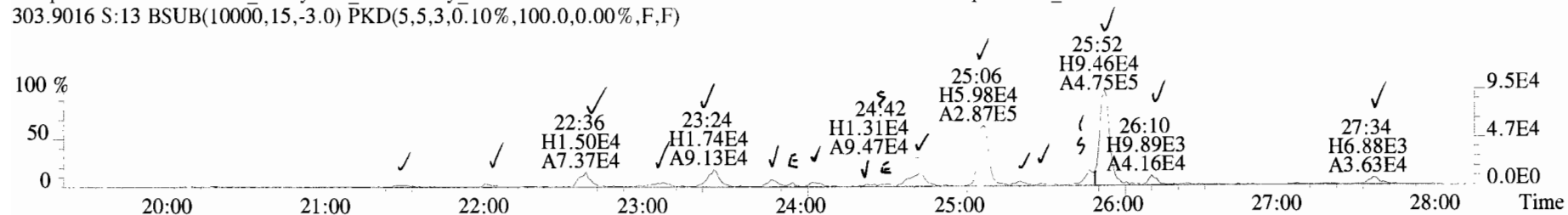
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-I04SG-00-01-190924 10 Exp:OCDD_DB5
423.7767 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



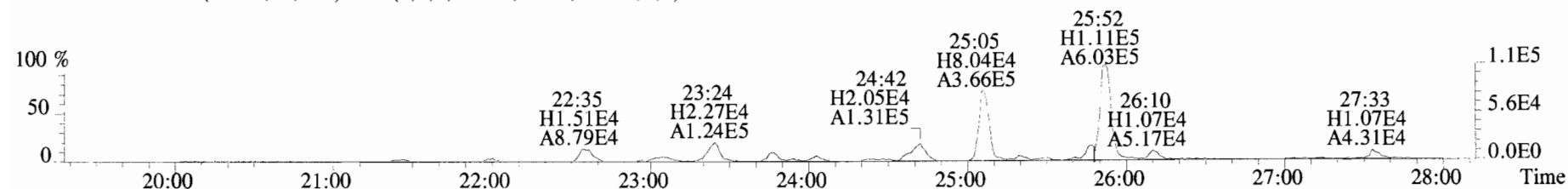
File:191009D1 #1-432 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
457.7377 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



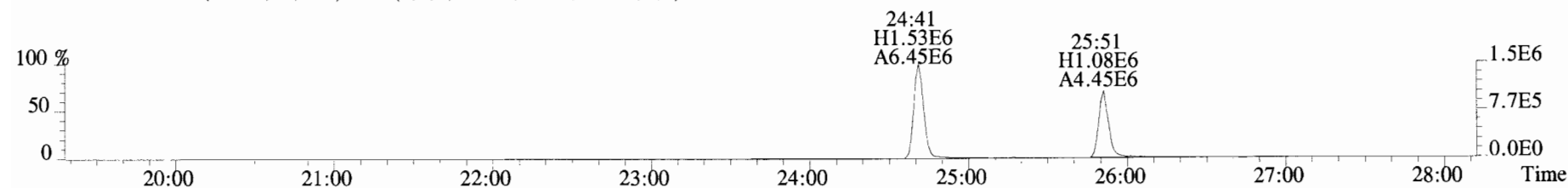
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



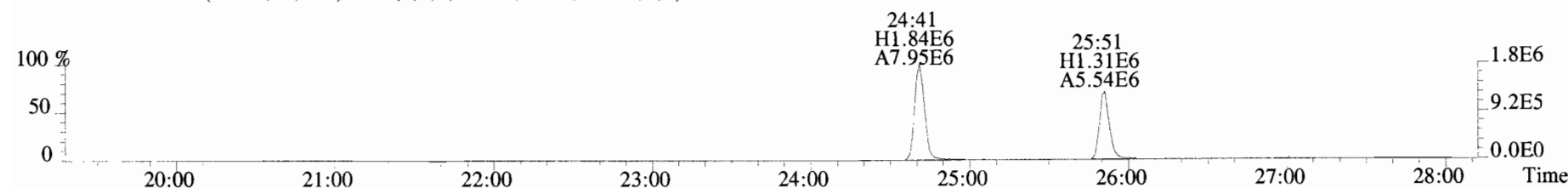
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



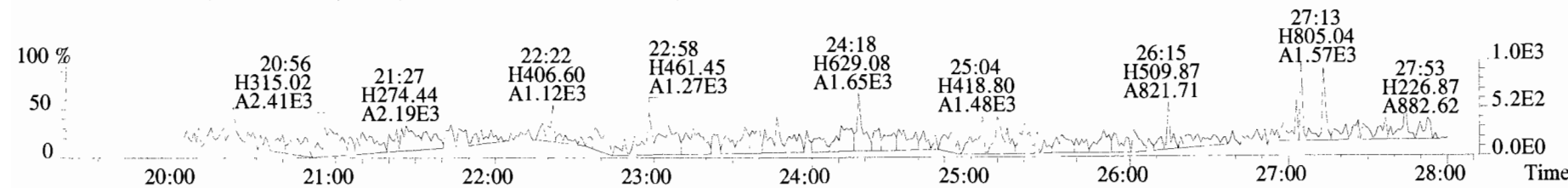
315.9419 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



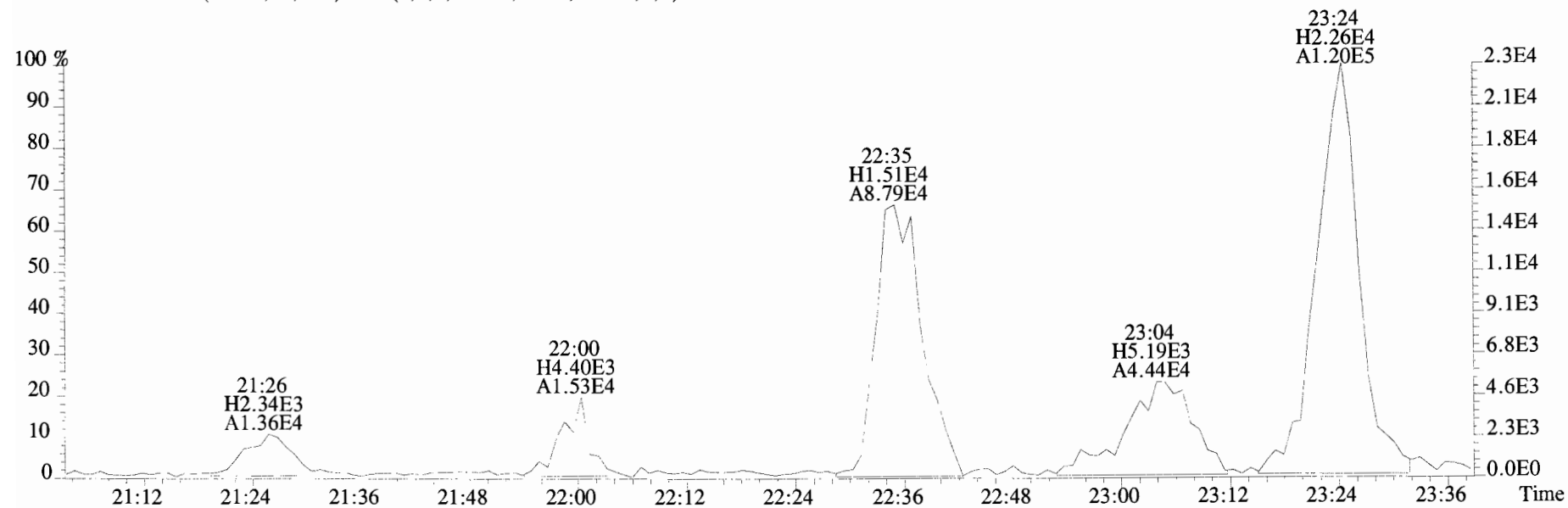
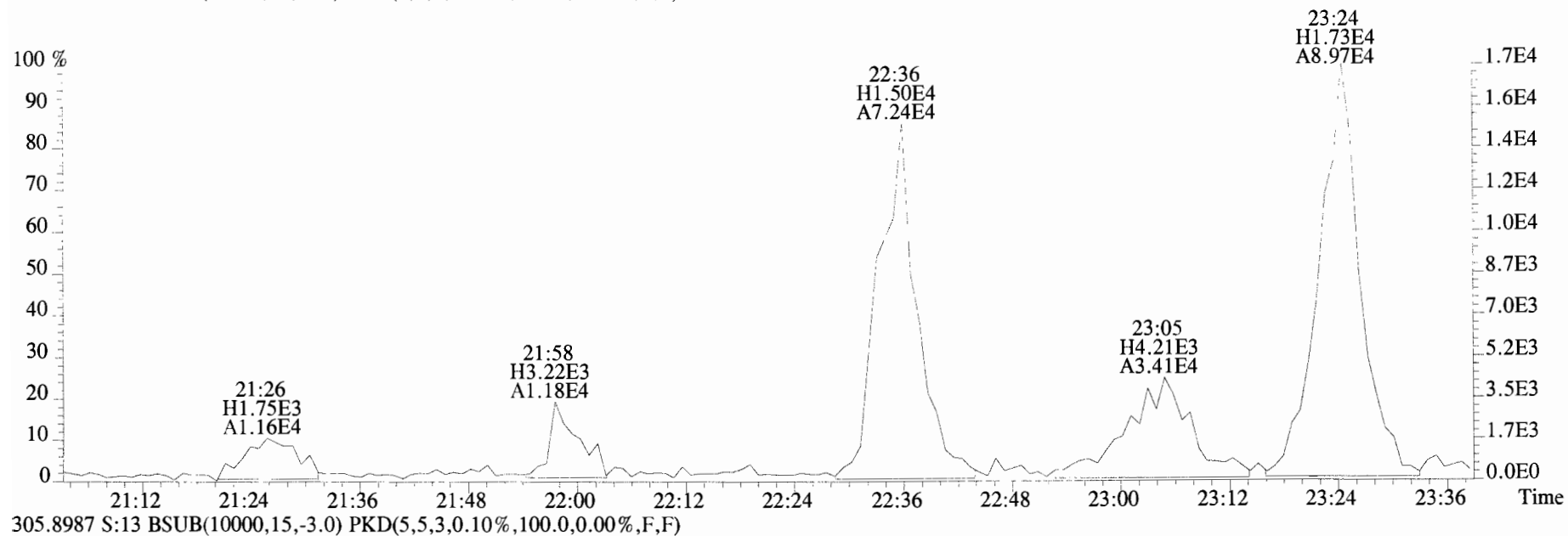
317.9389 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



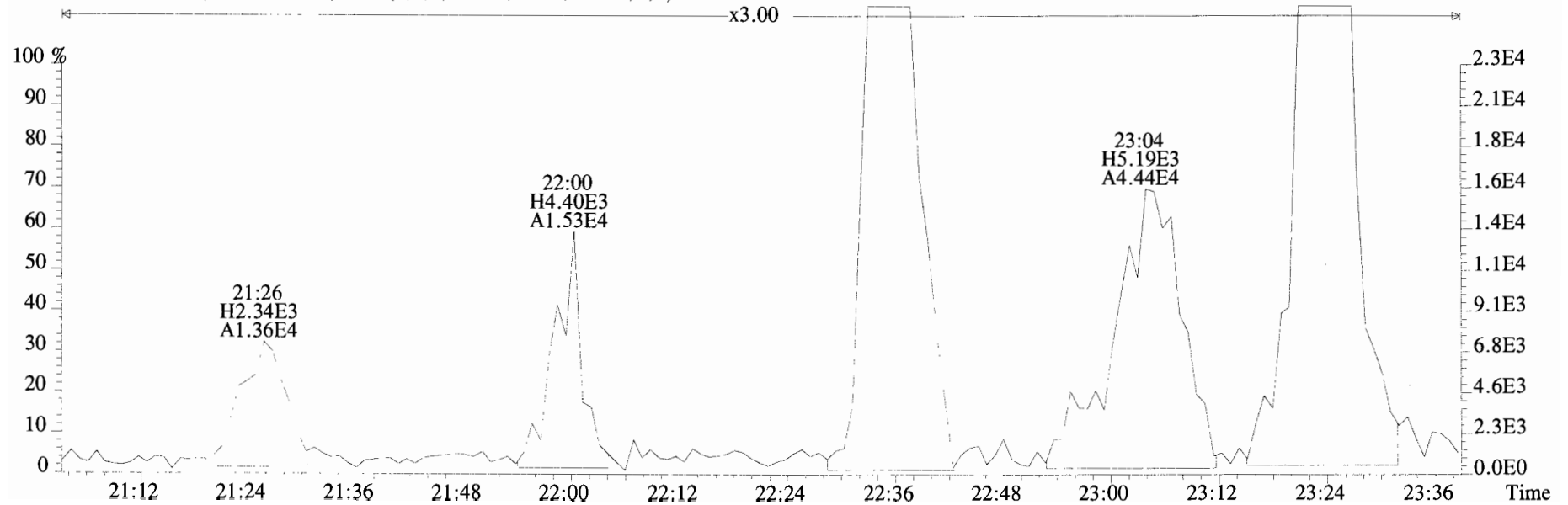
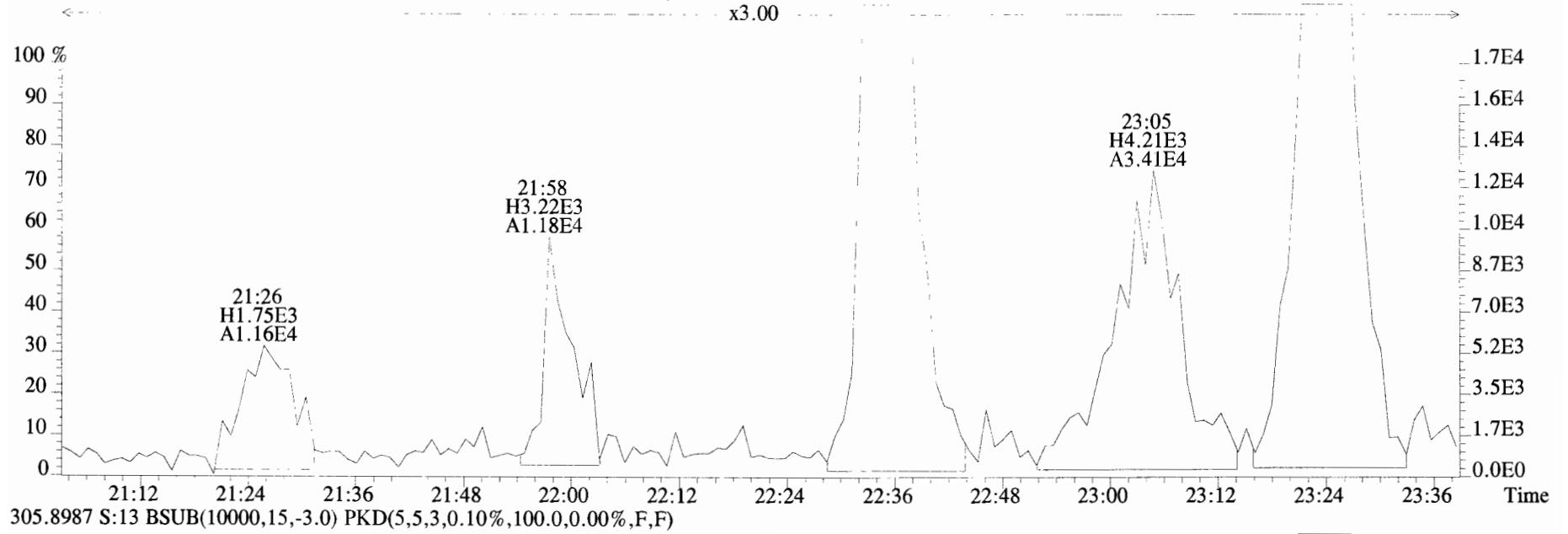
375.8364 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



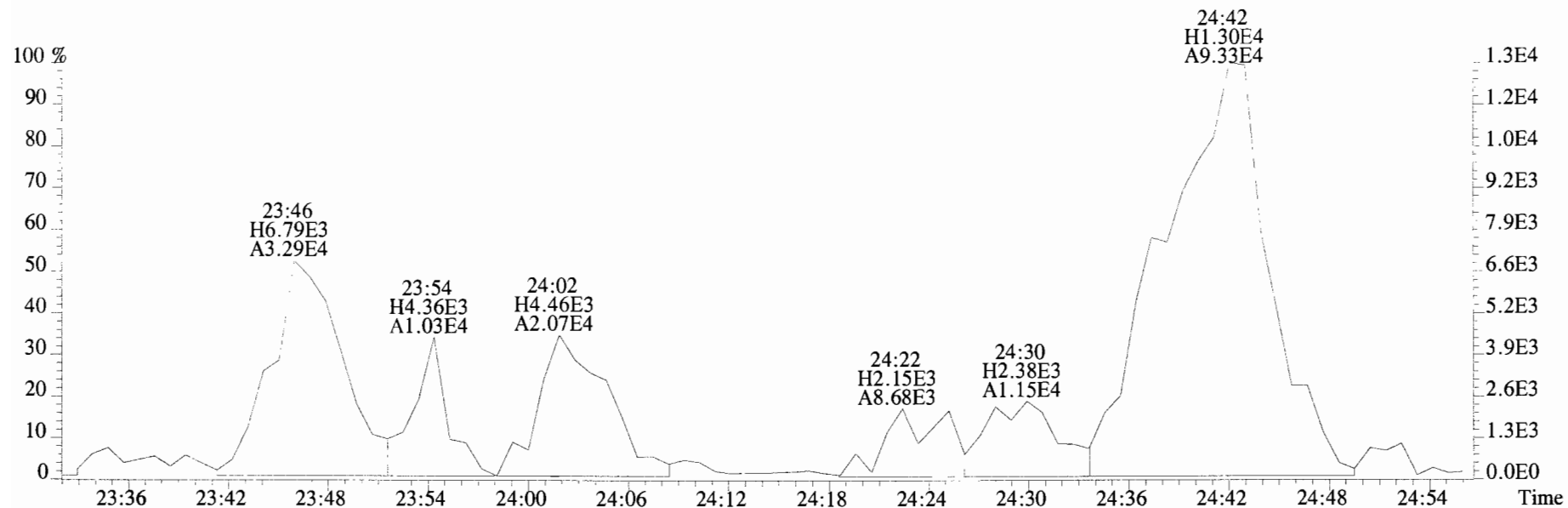
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



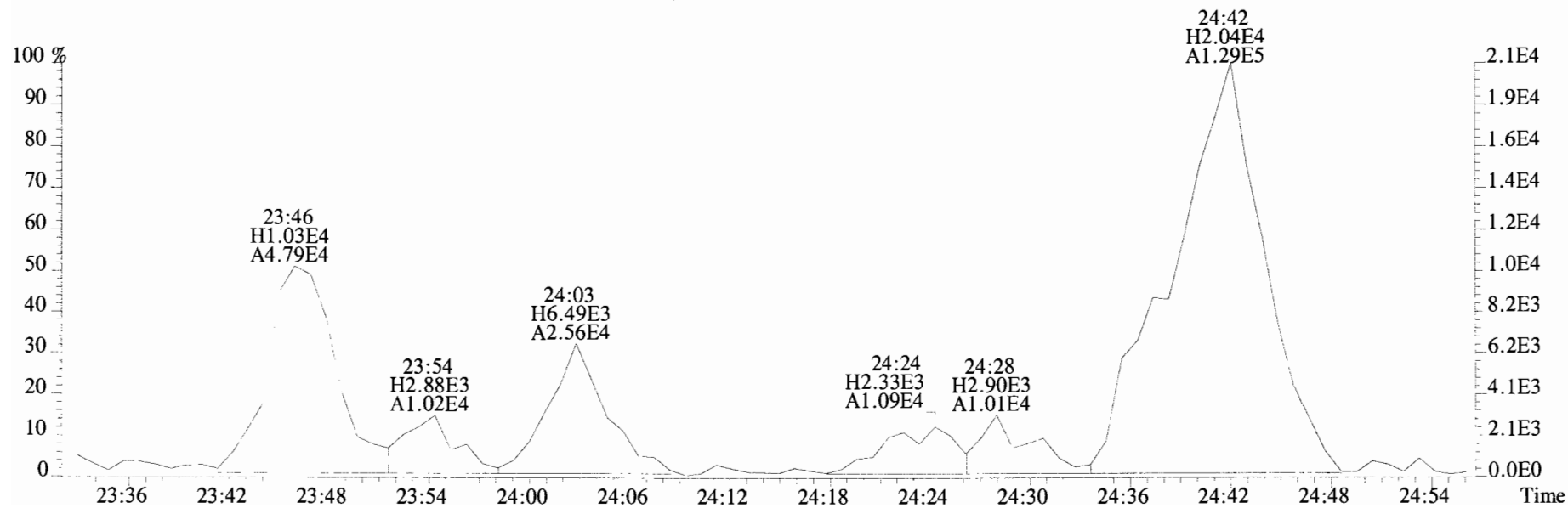
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



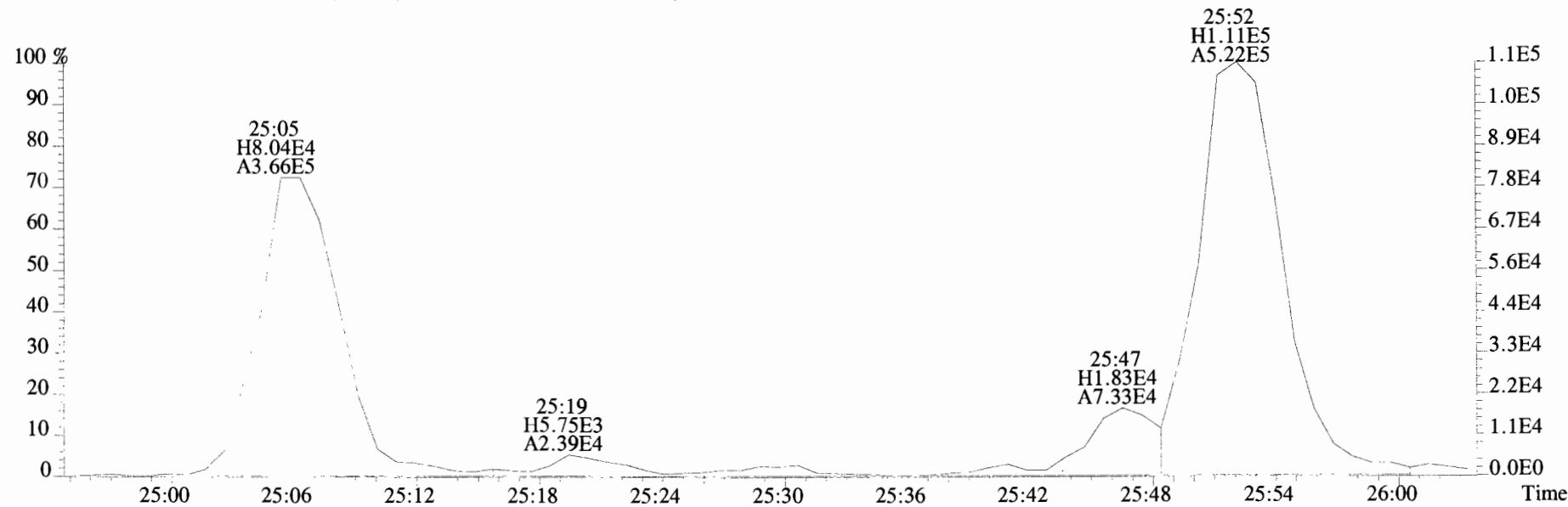
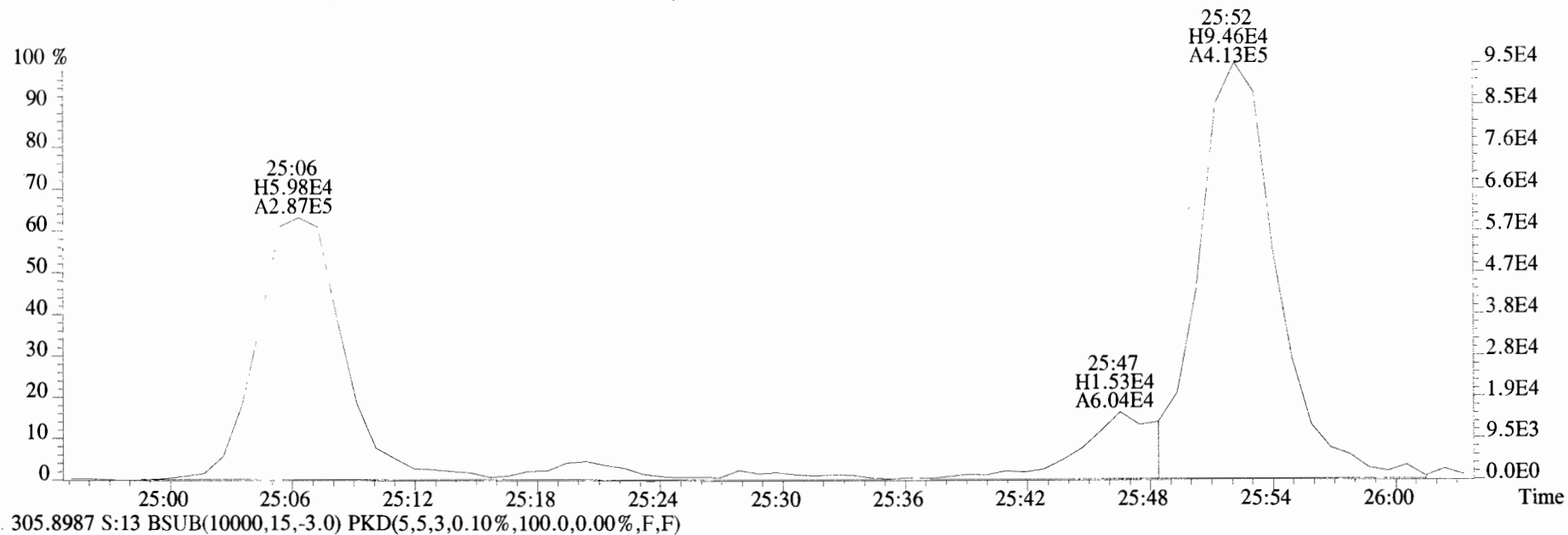
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



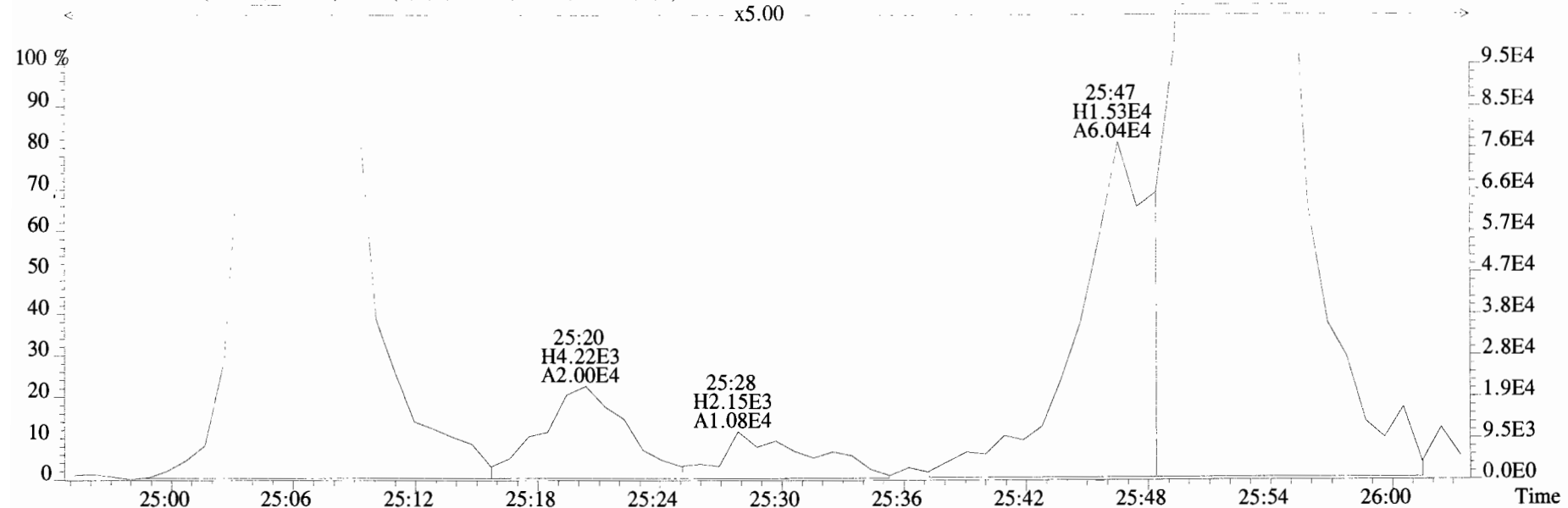
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



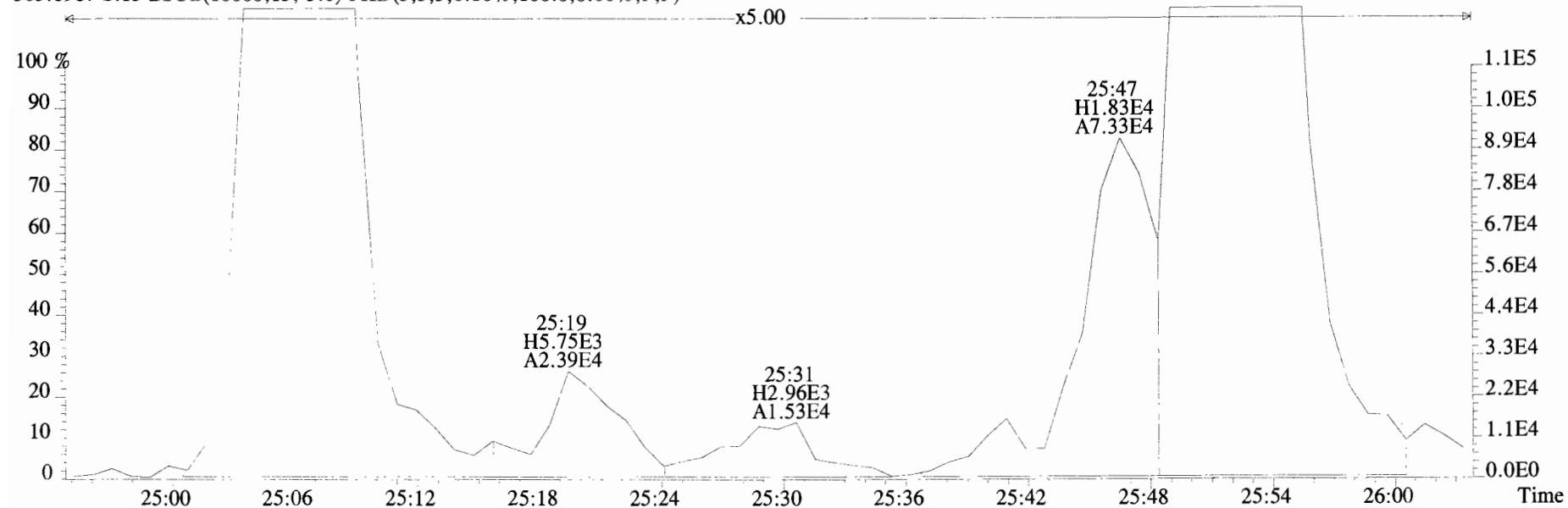
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



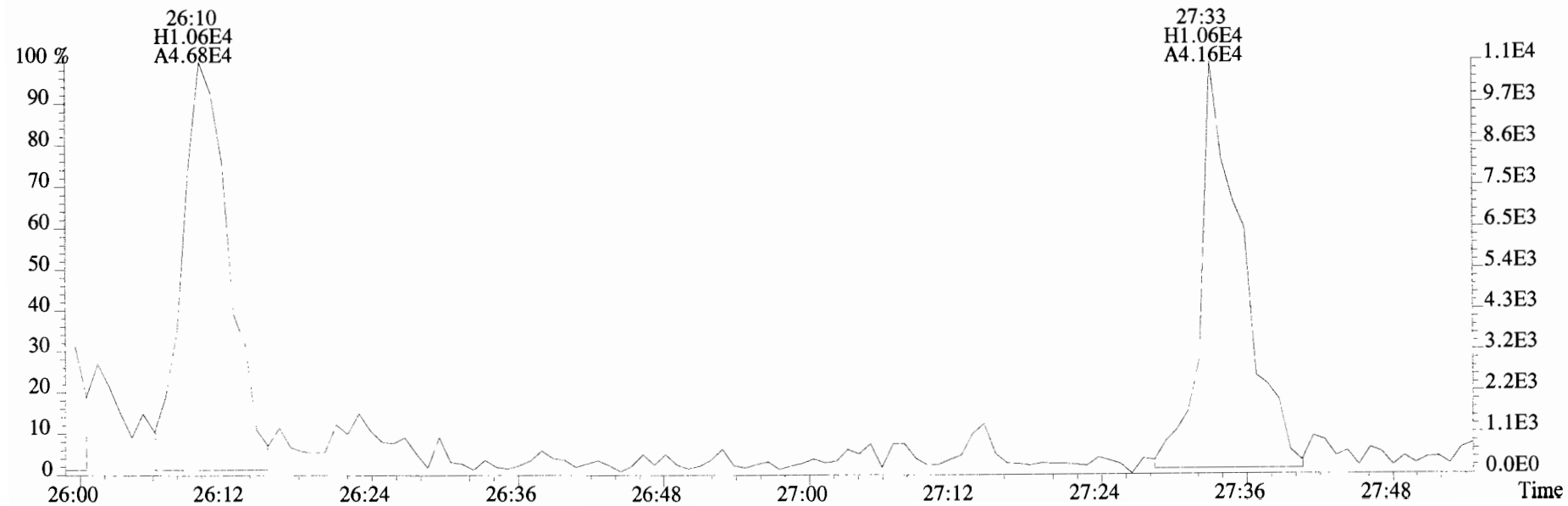
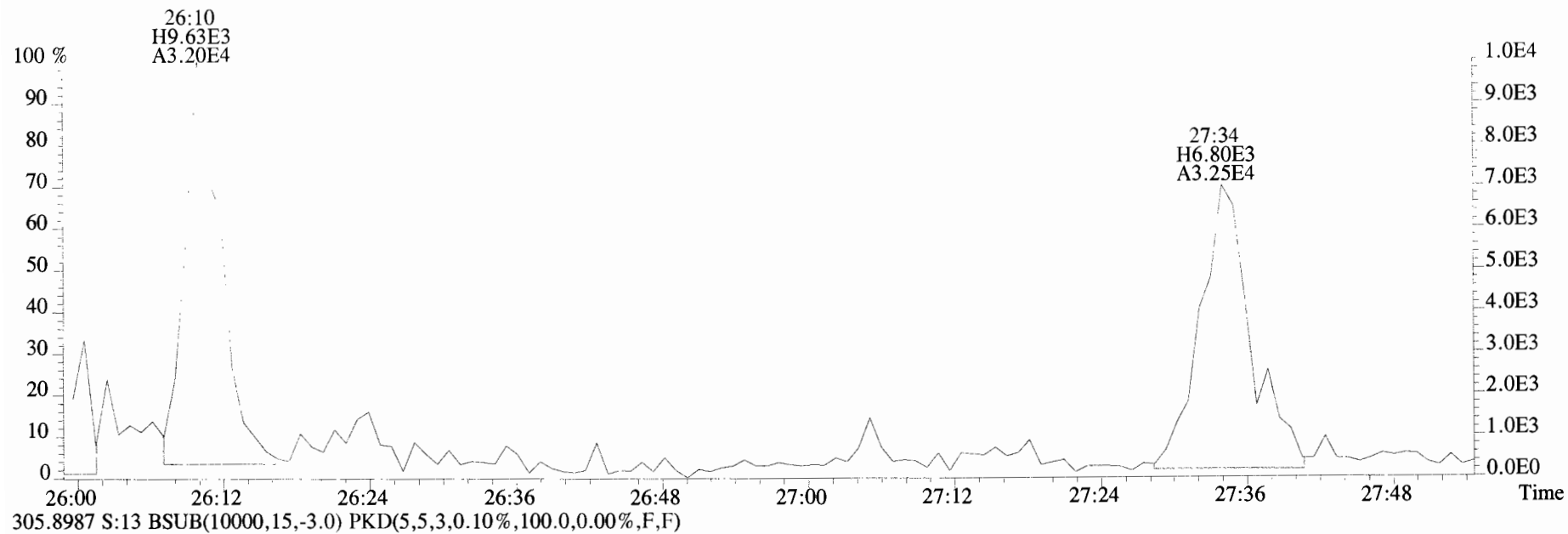
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



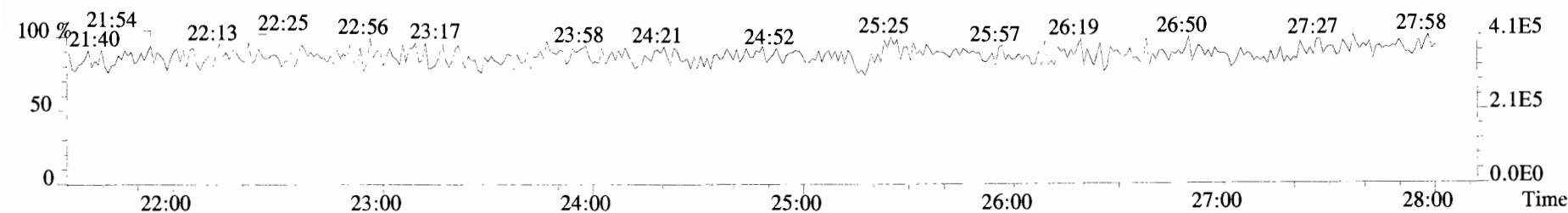
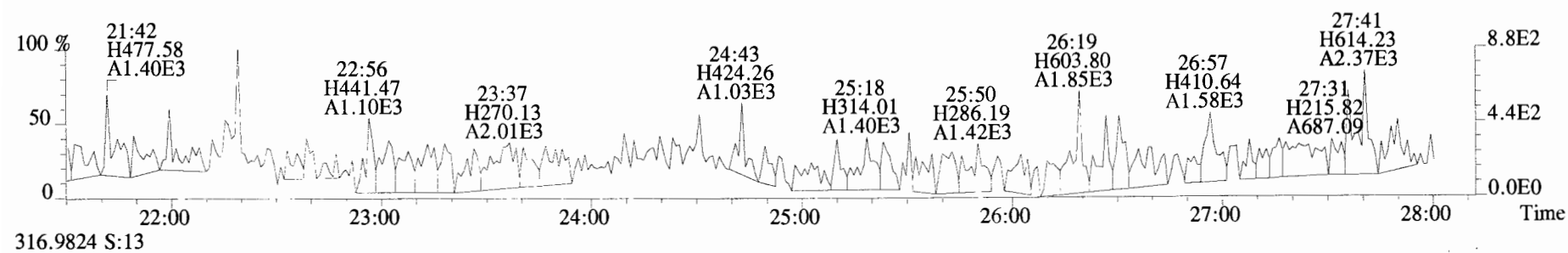
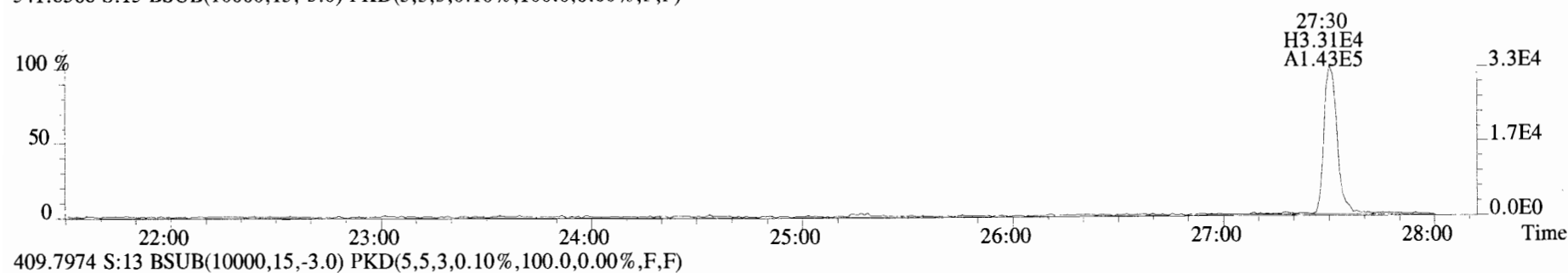
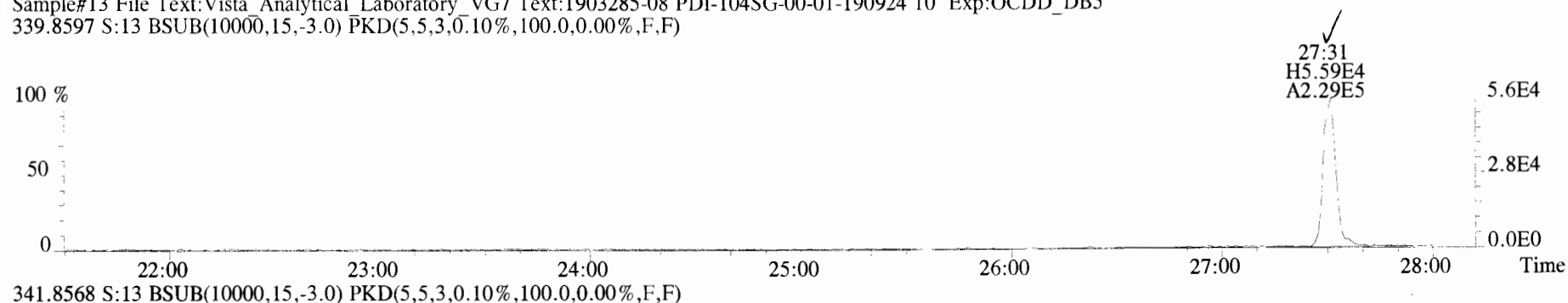
305.8987 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



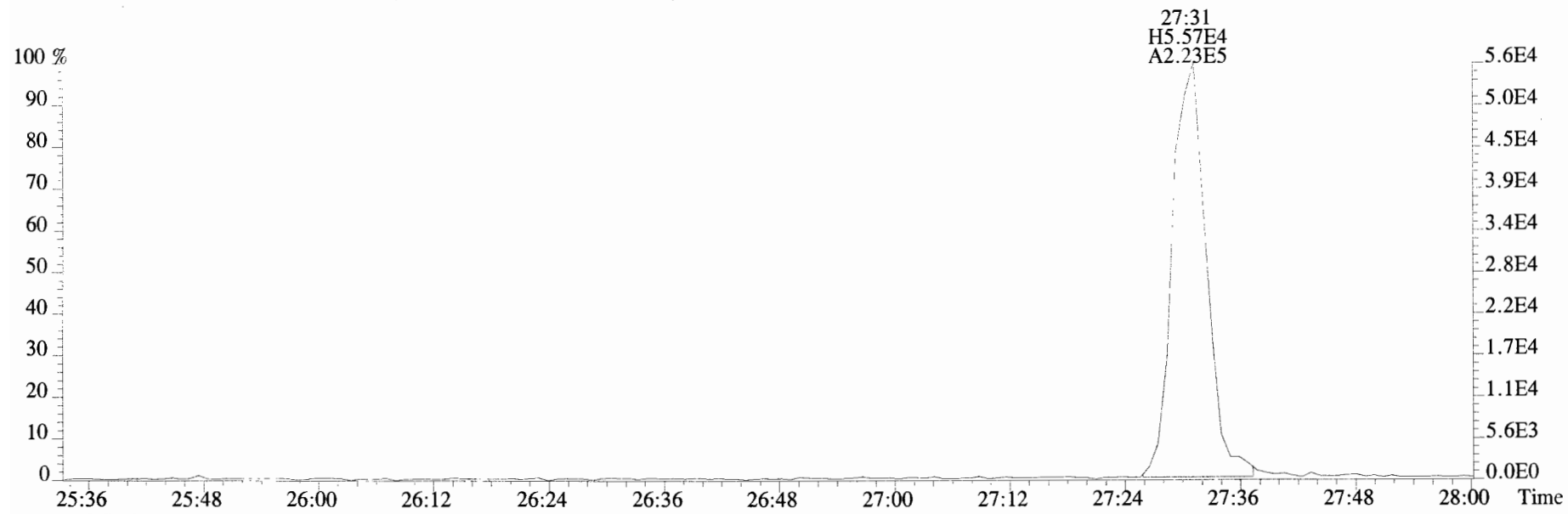
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



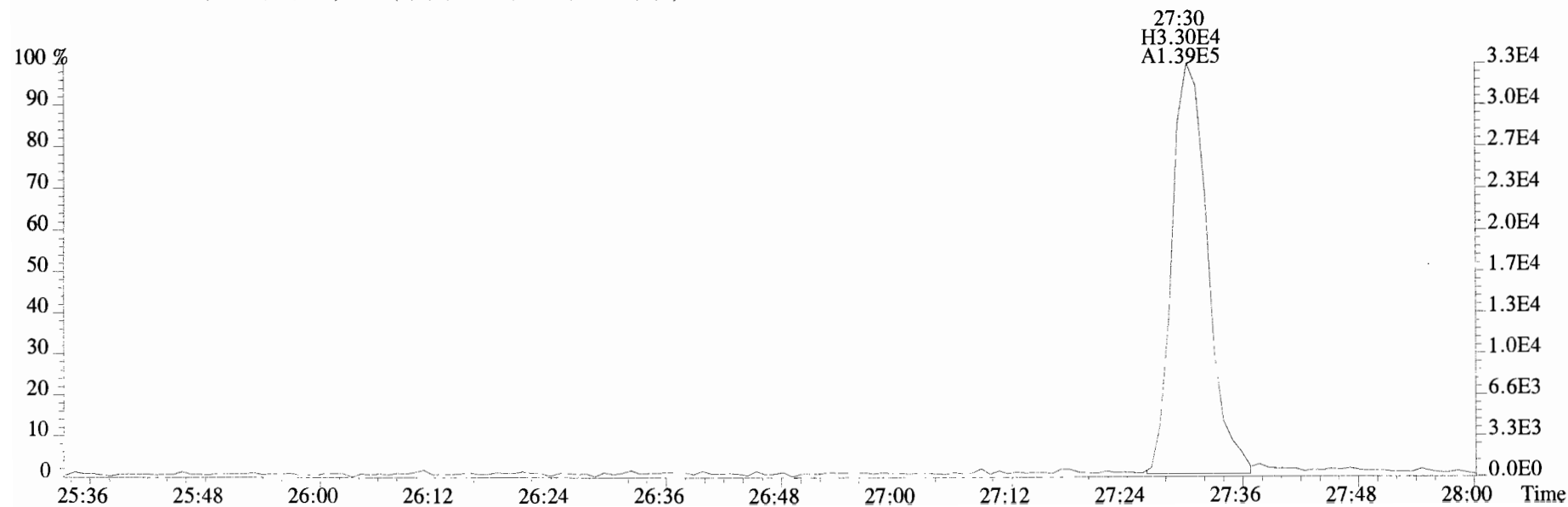
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



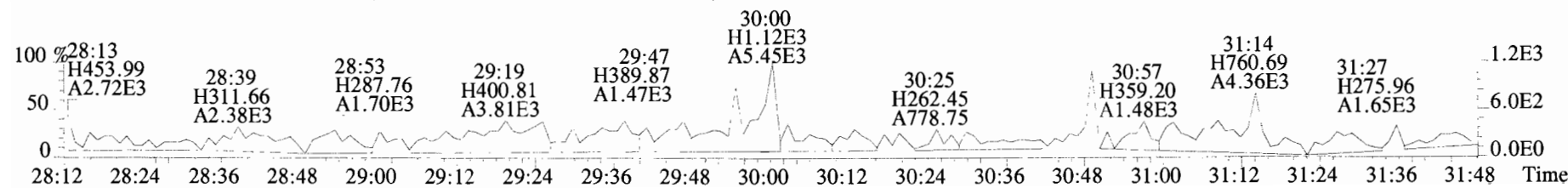
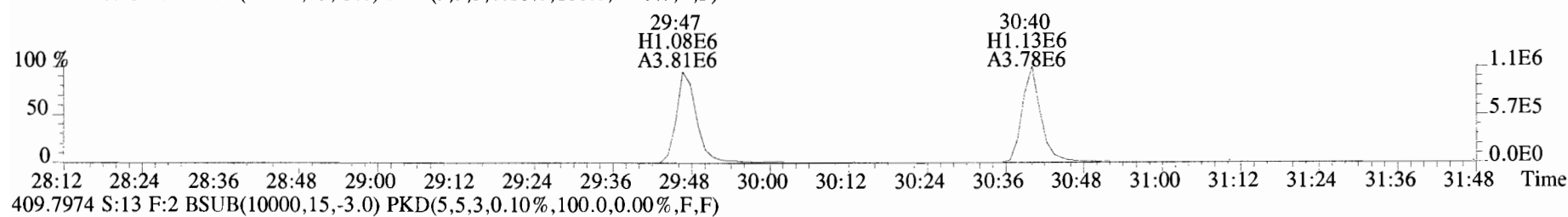
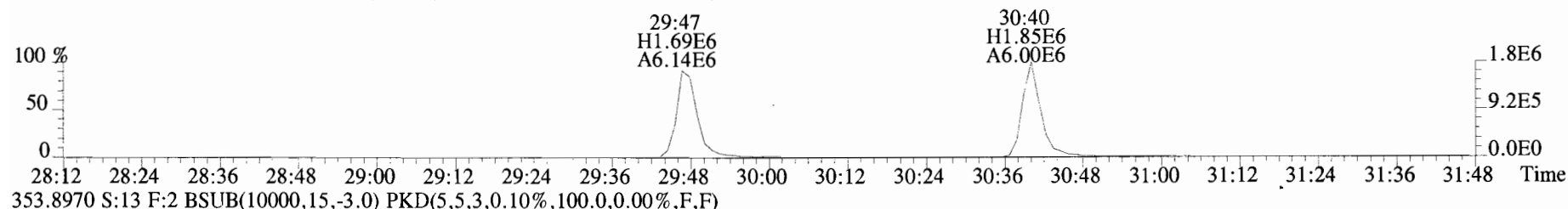
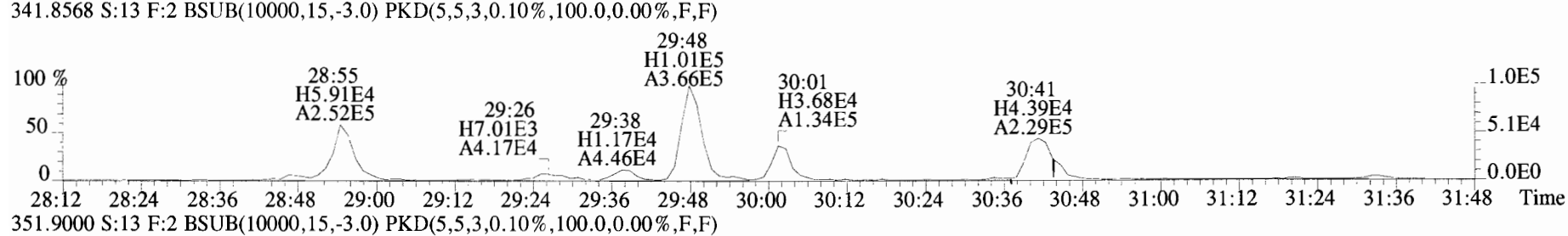
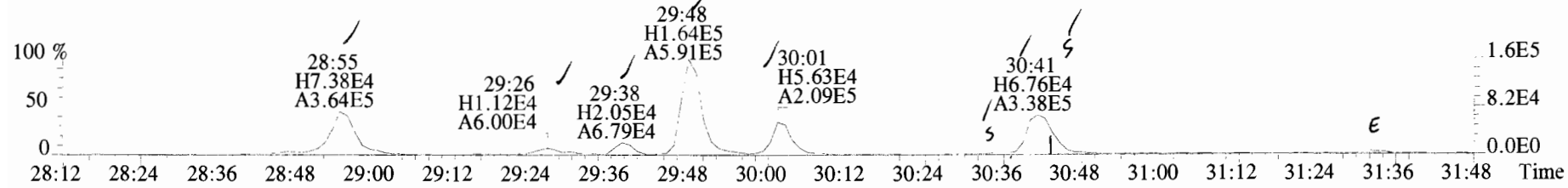
File:191009D1 #1-513 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



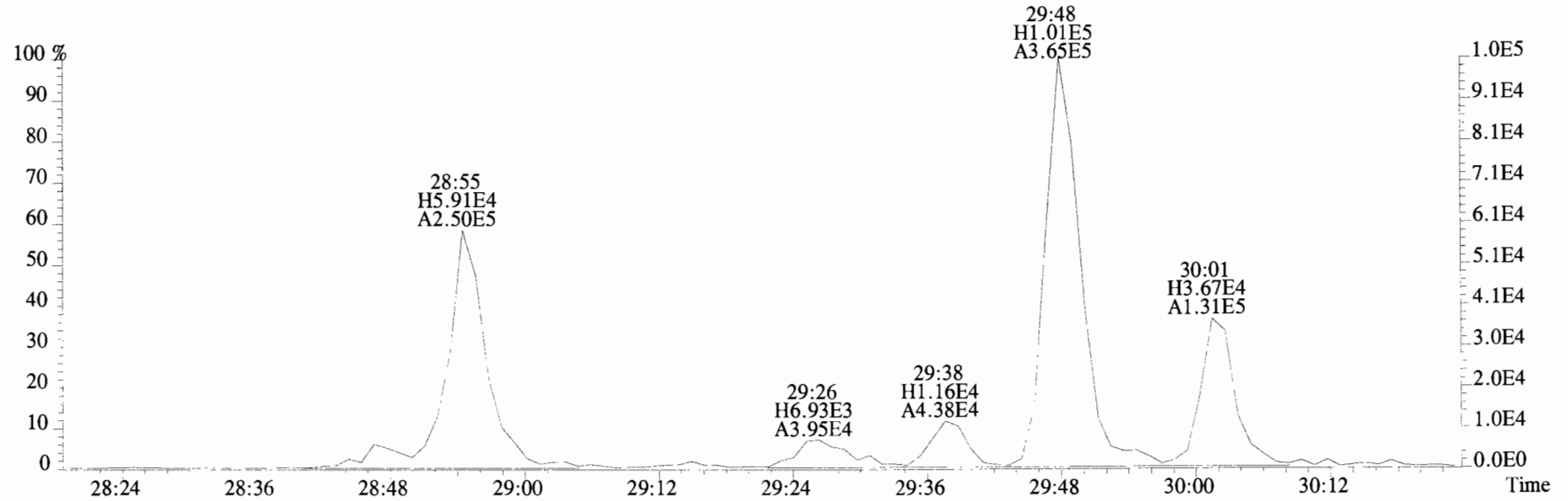
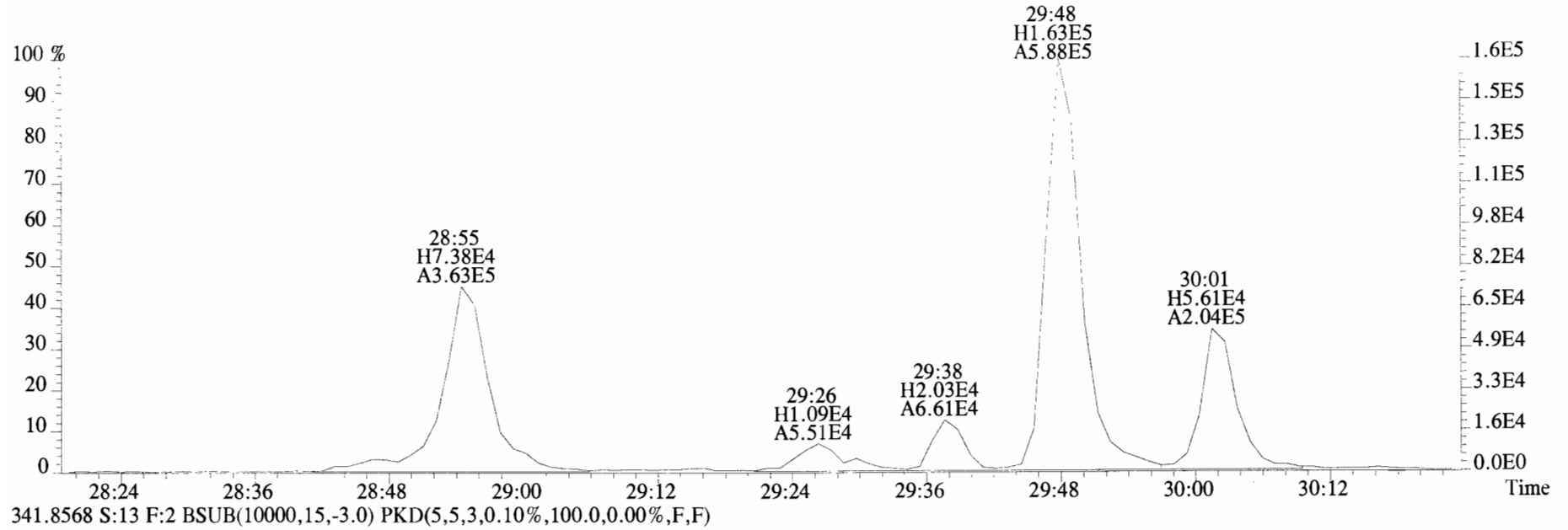
341.8568 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



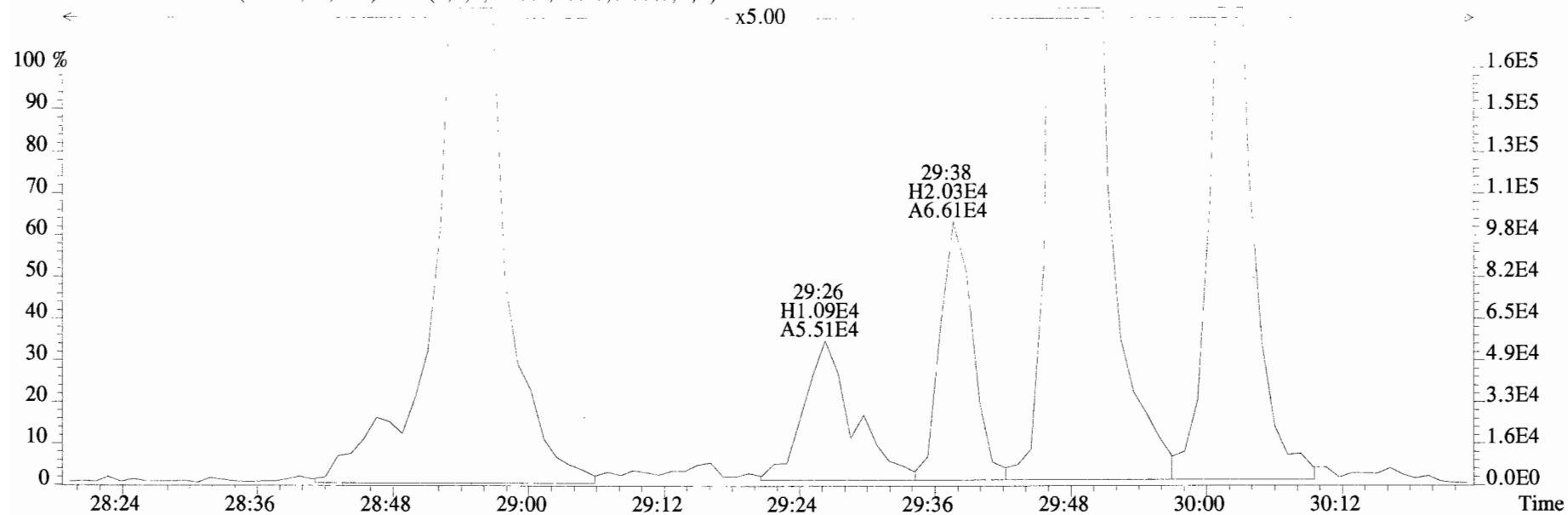
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 339.8597 S:13 F:2 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



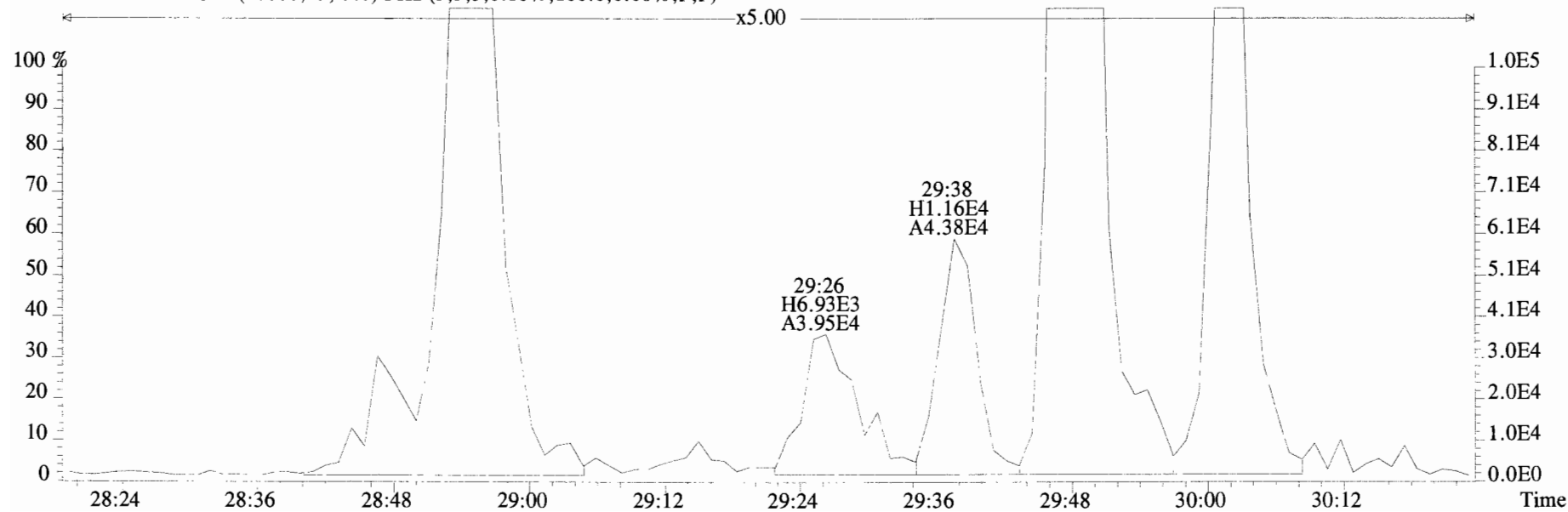
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



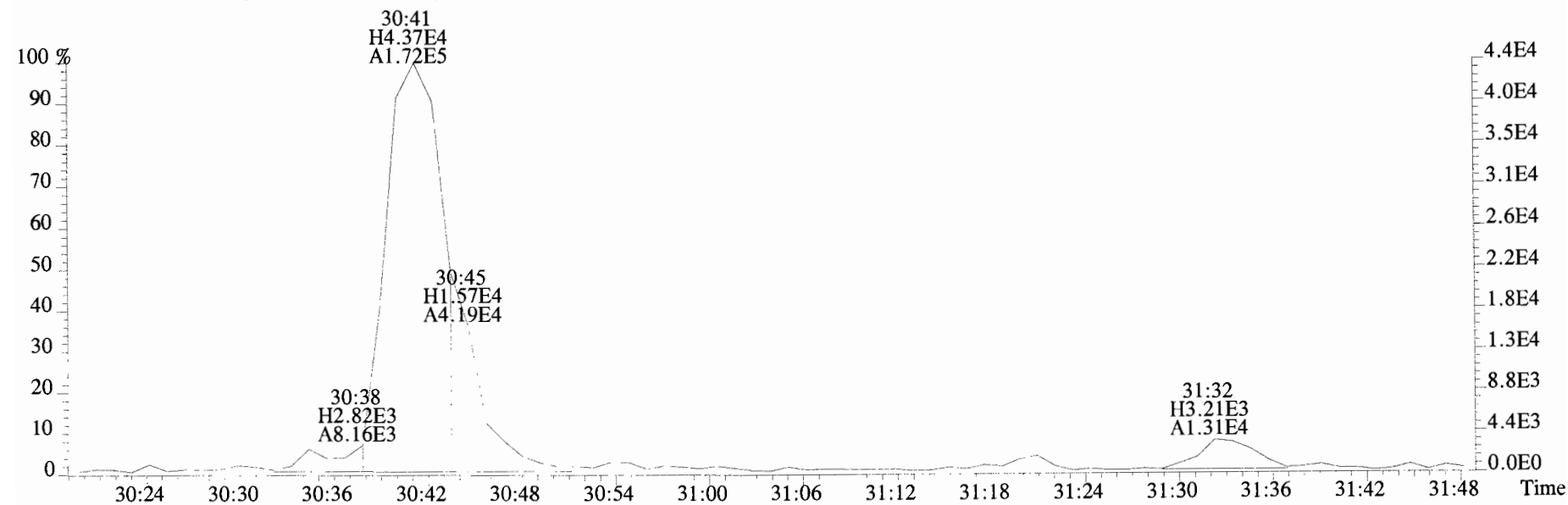
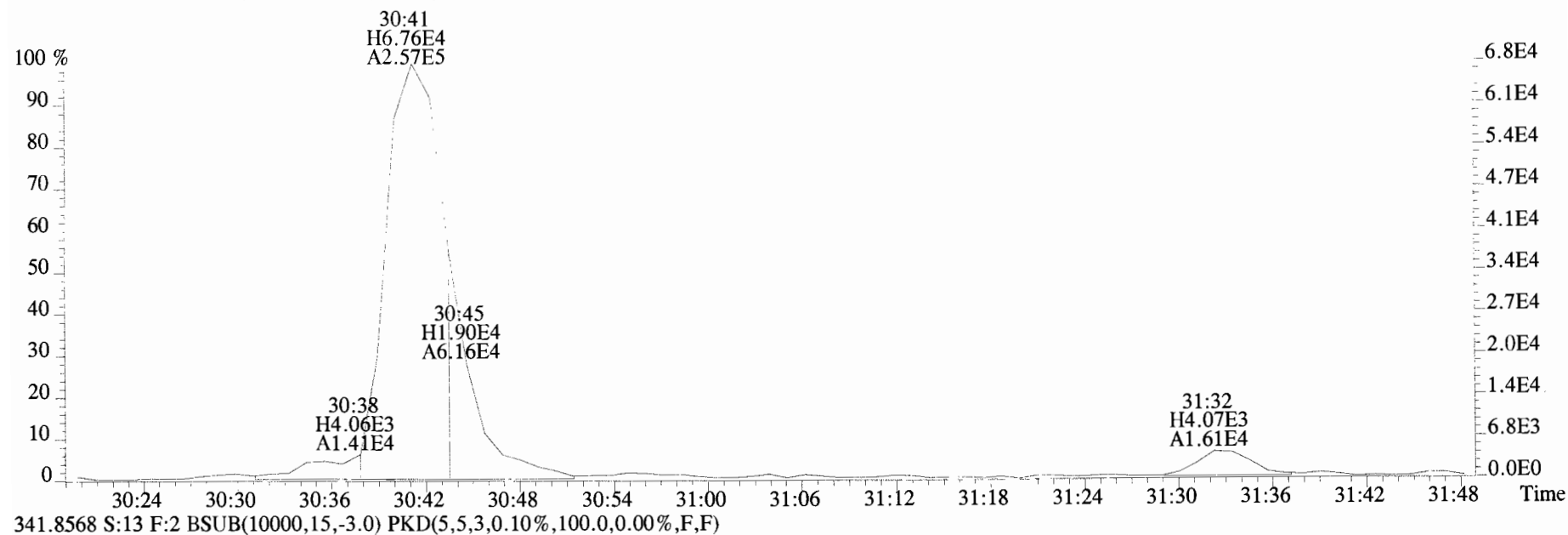
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



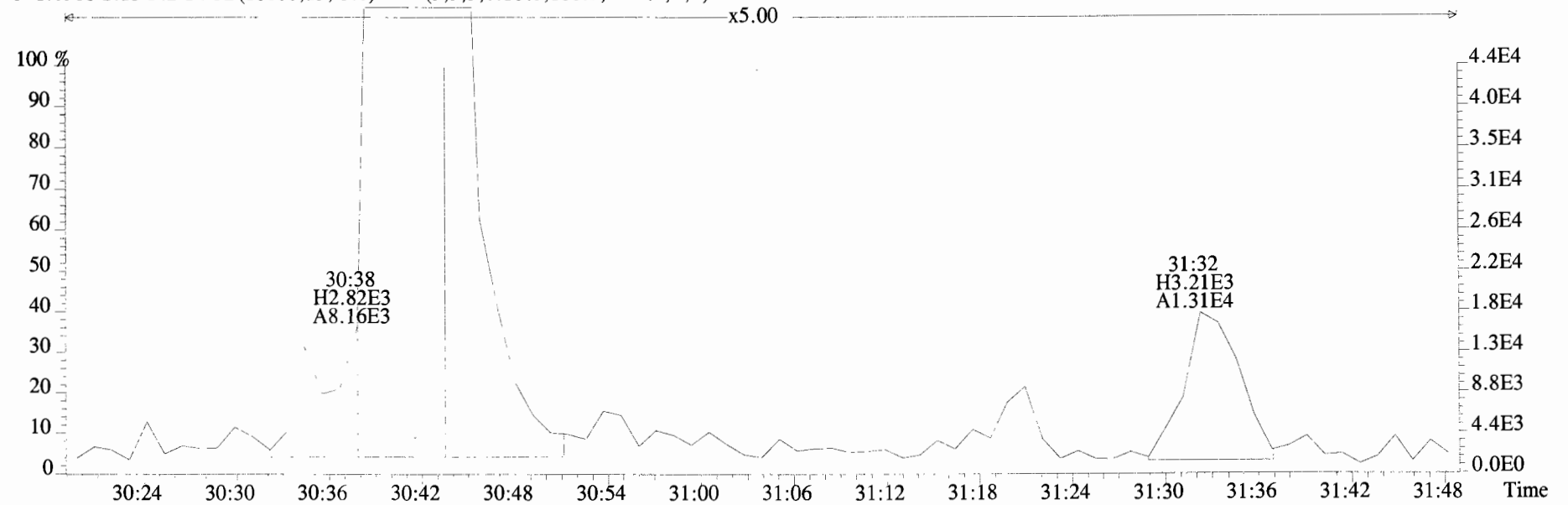
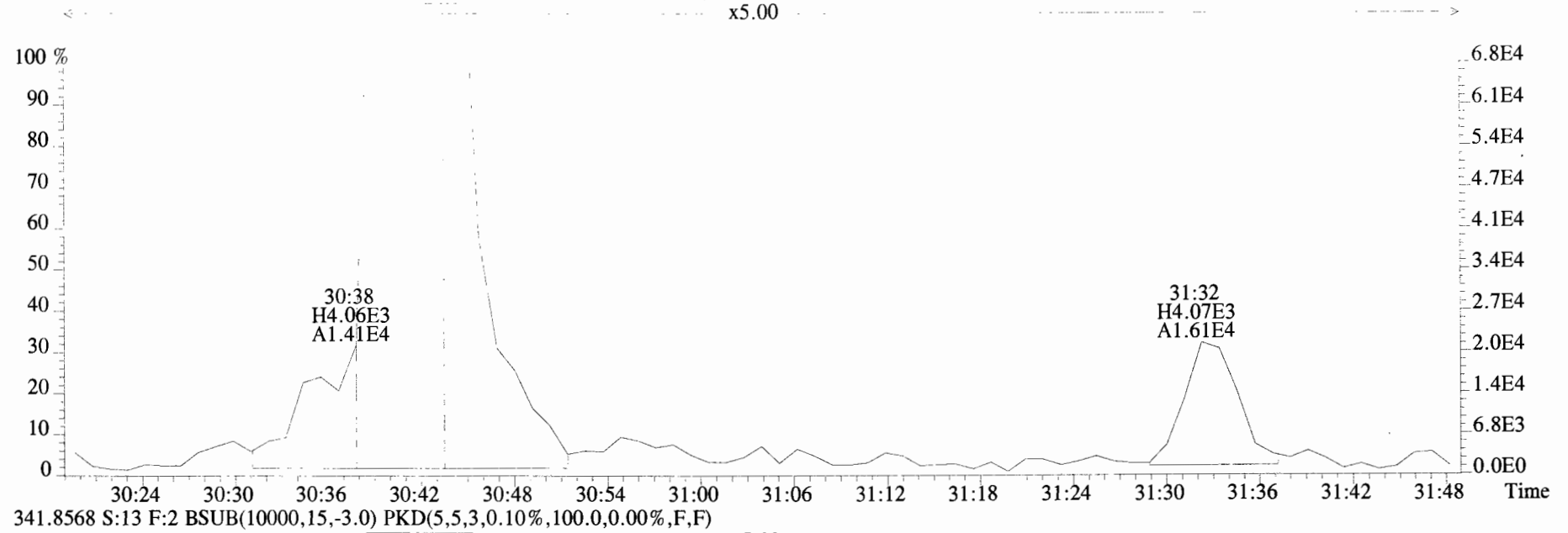
341.8568 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



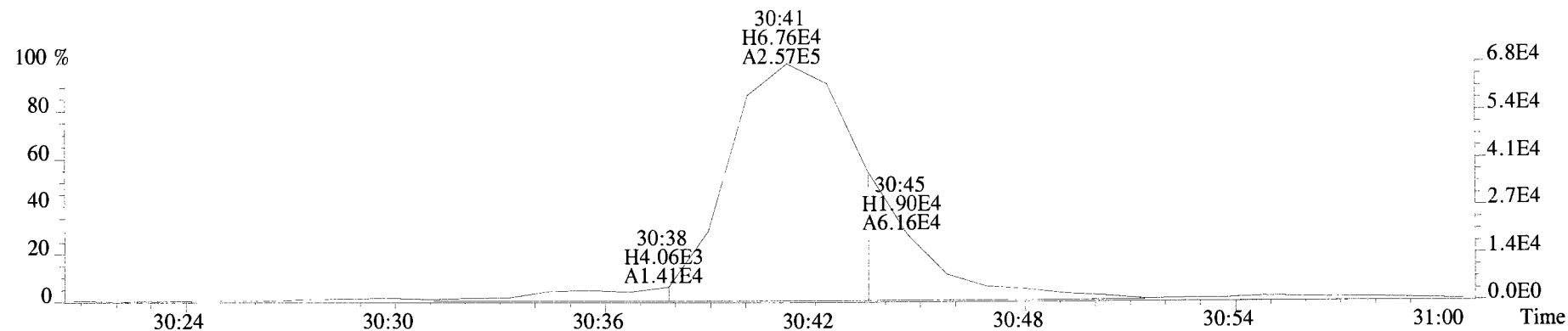
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
 339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



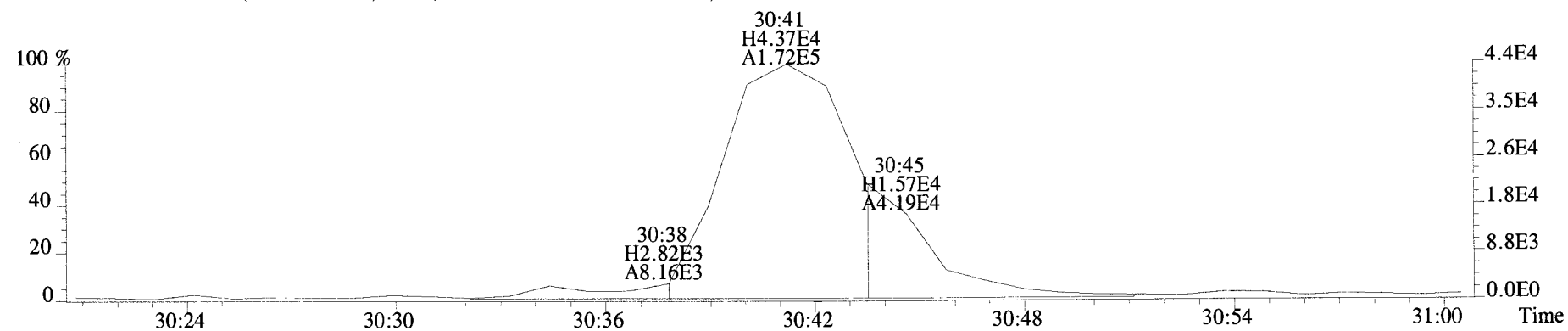
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



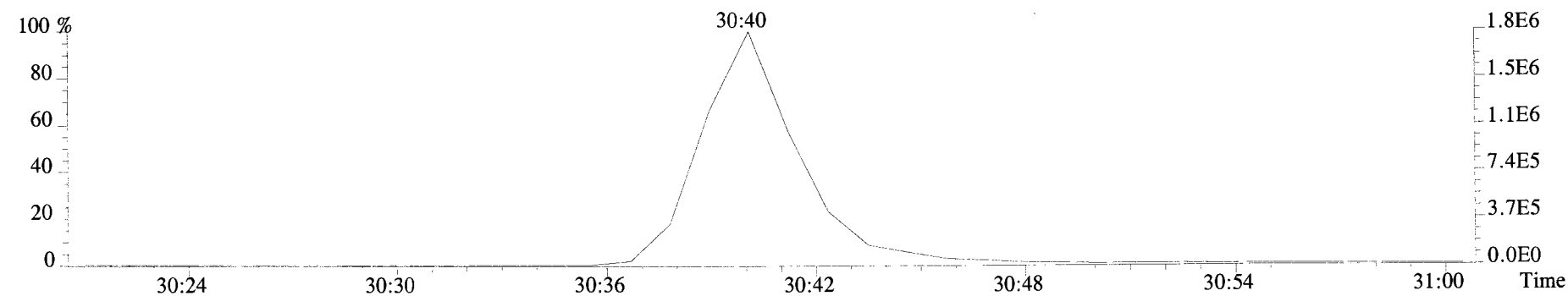
File:191009D1 #1-211 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



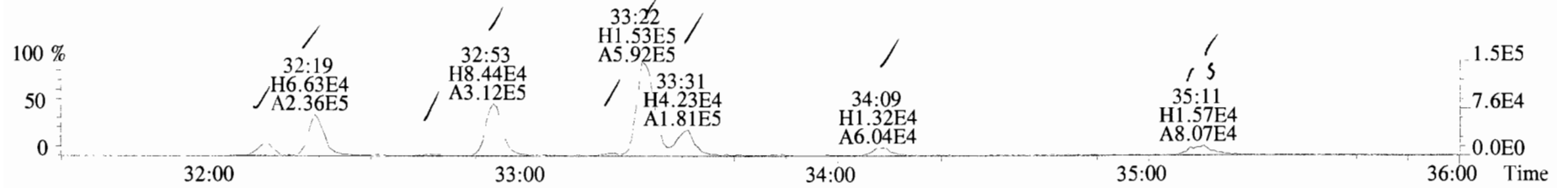
341.8568 S:13 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



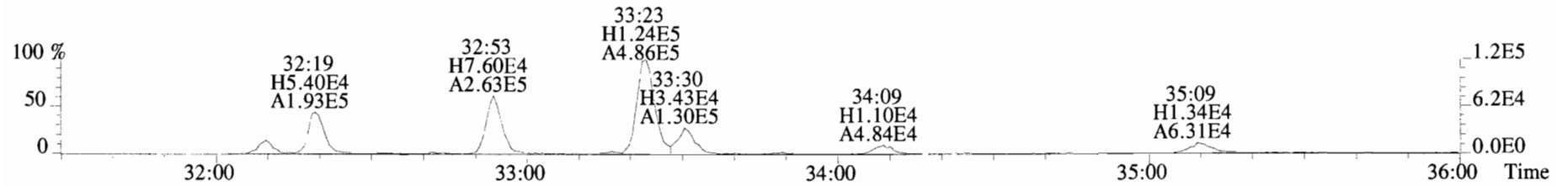
351.9000 S:13 F:2



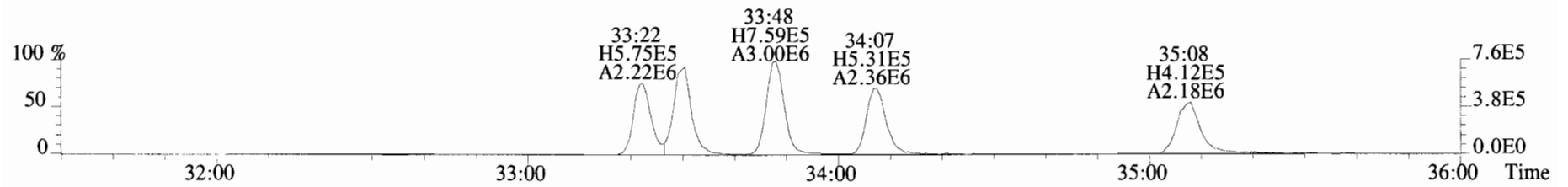
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



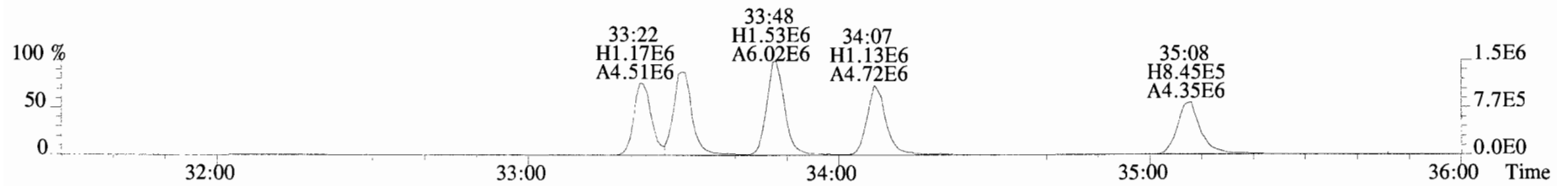
375.8178 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



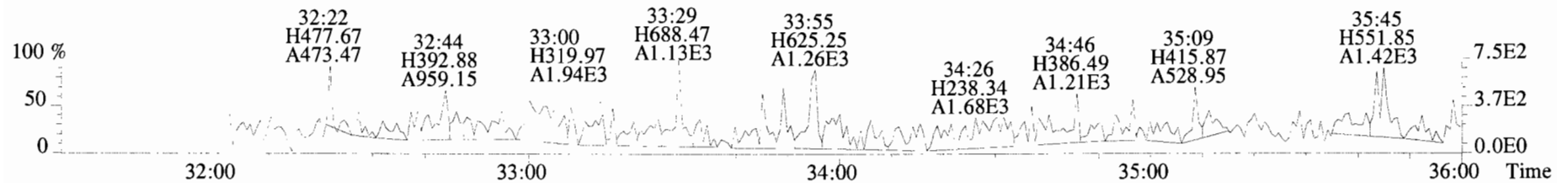
383.8639 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



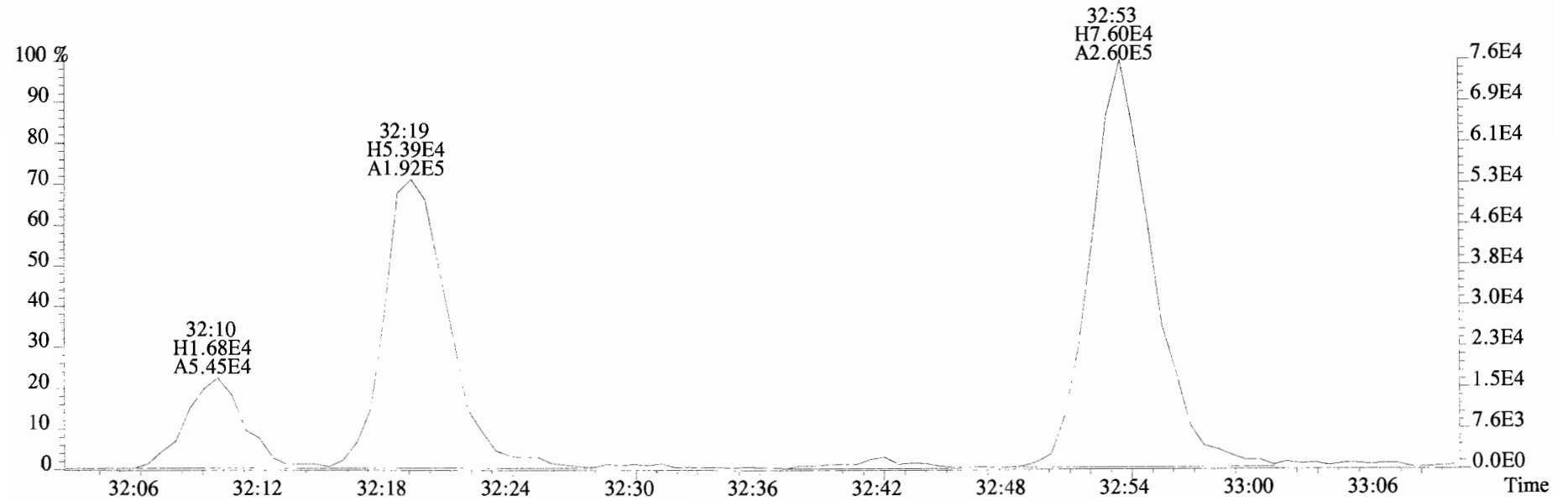
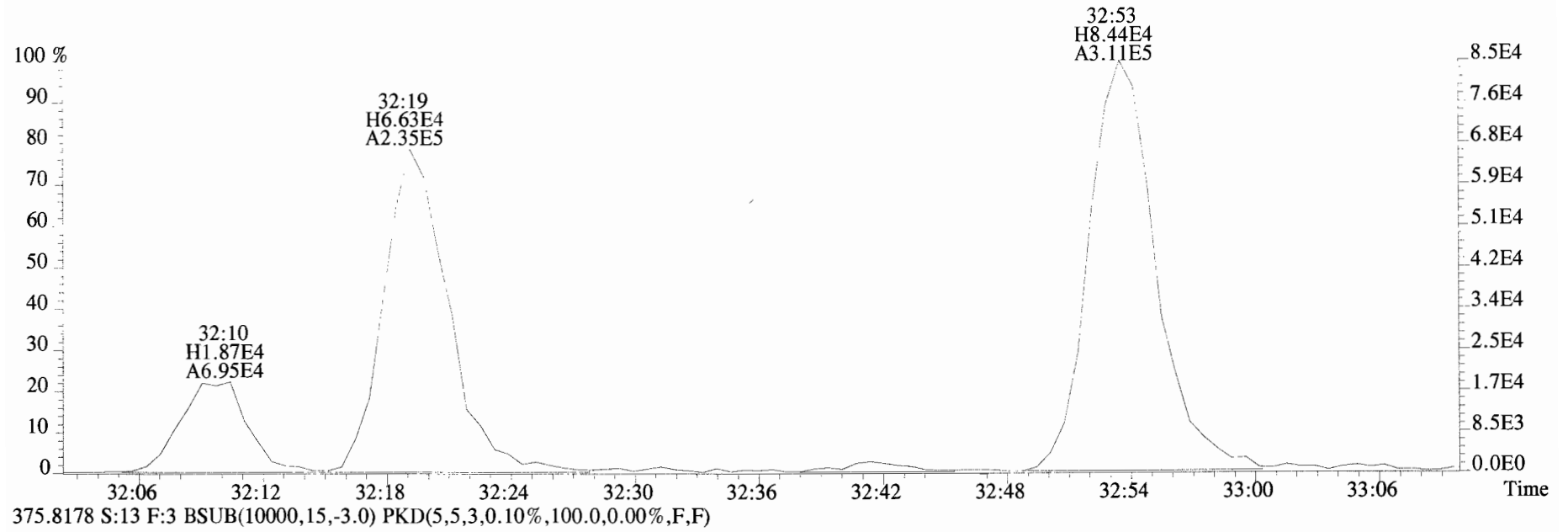
385.8610 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



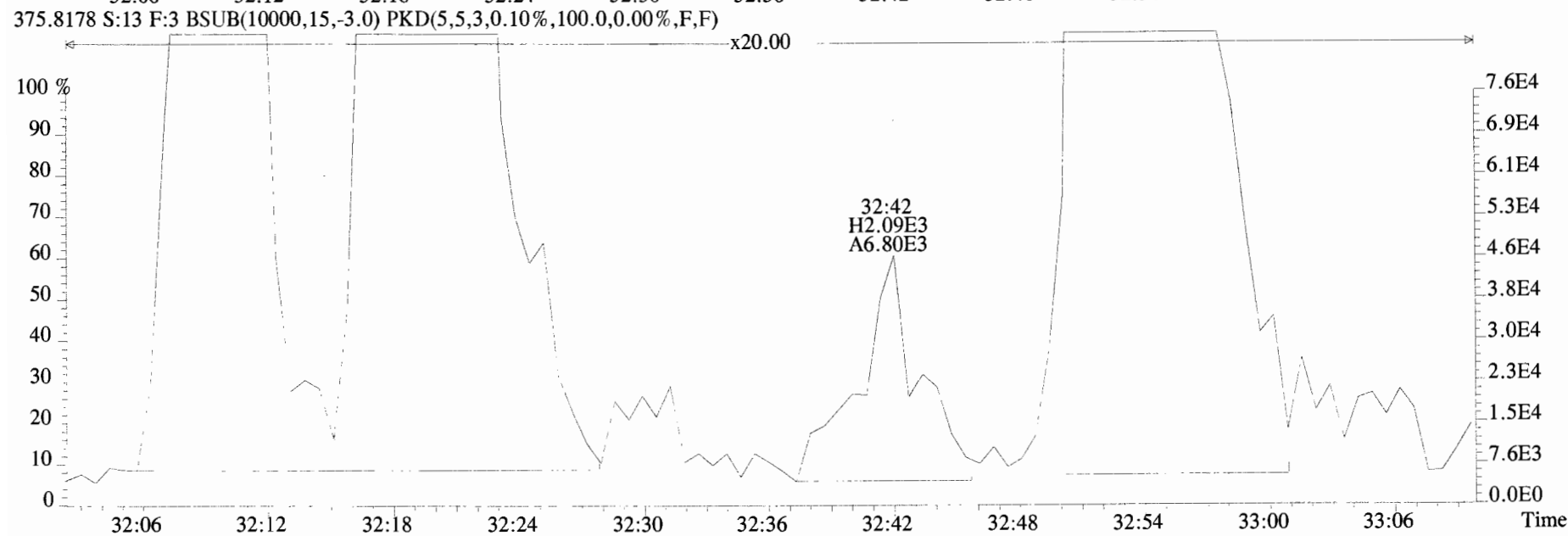
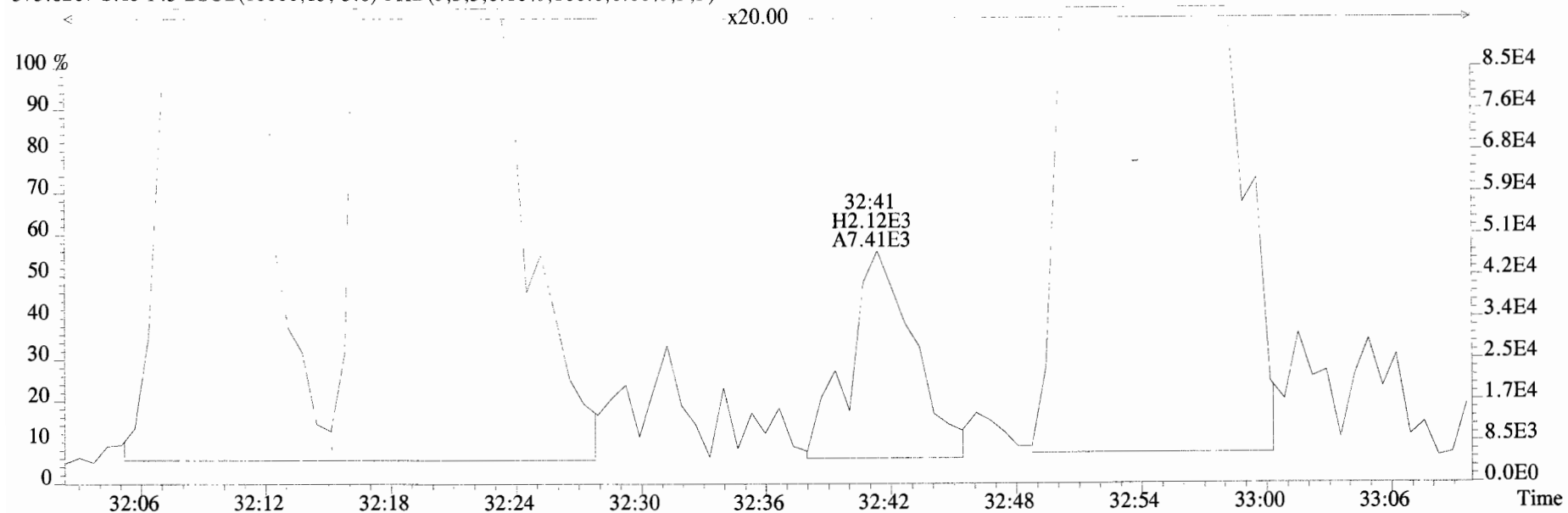
445.7555 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



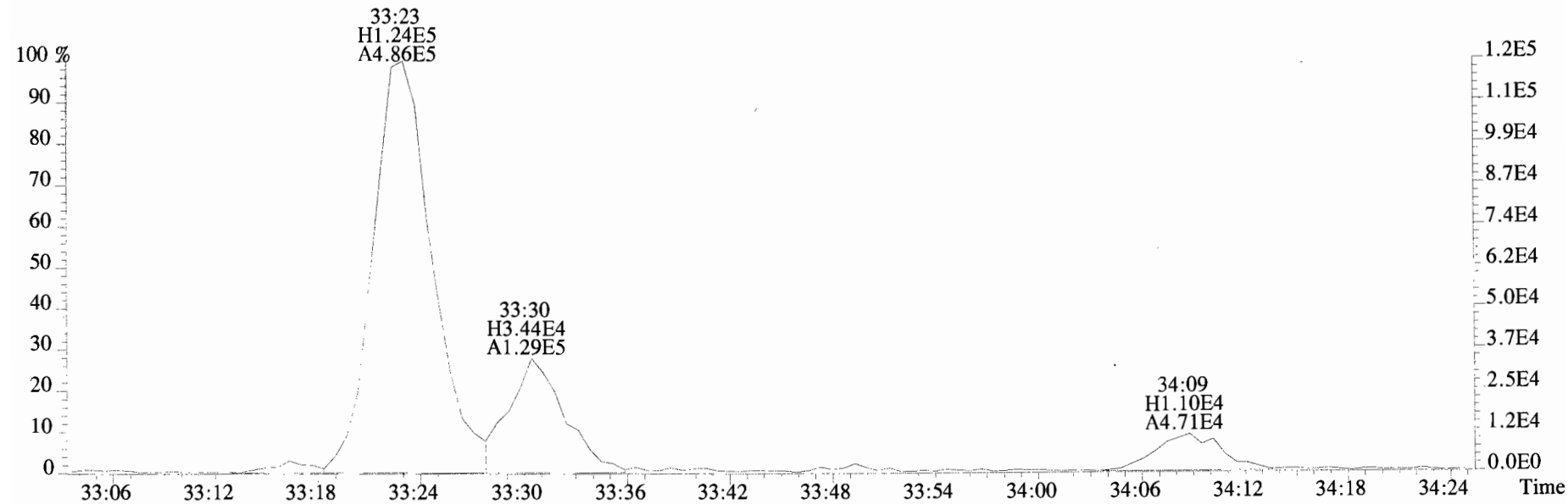
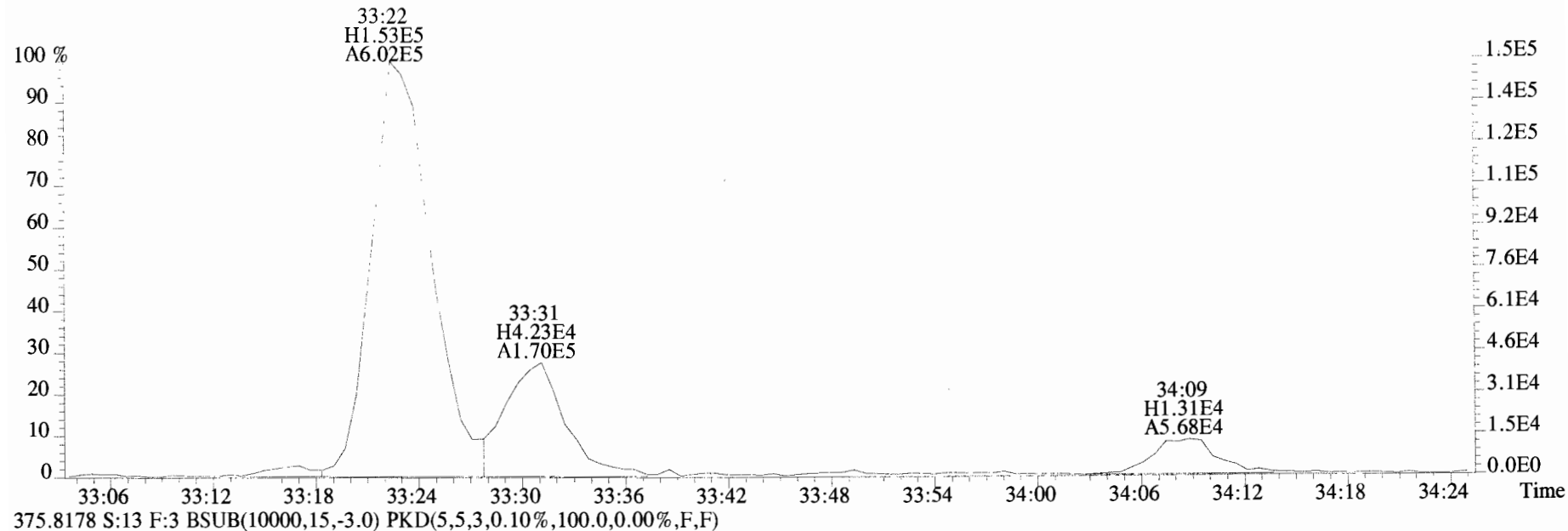
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



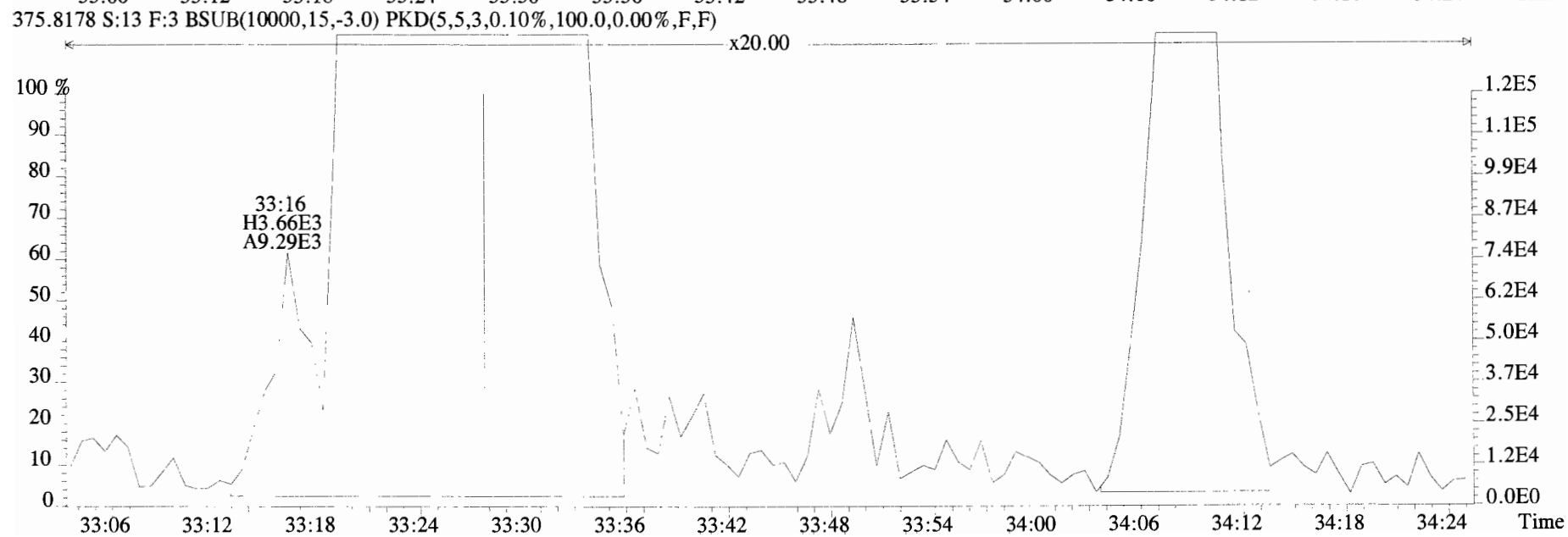
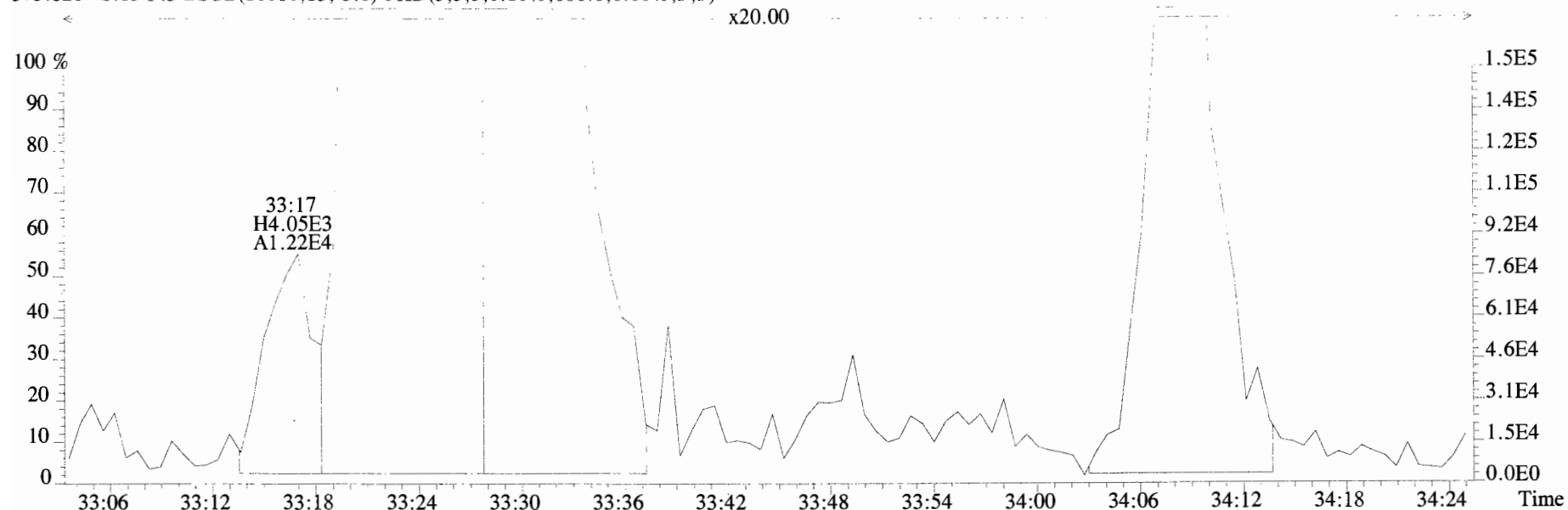
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



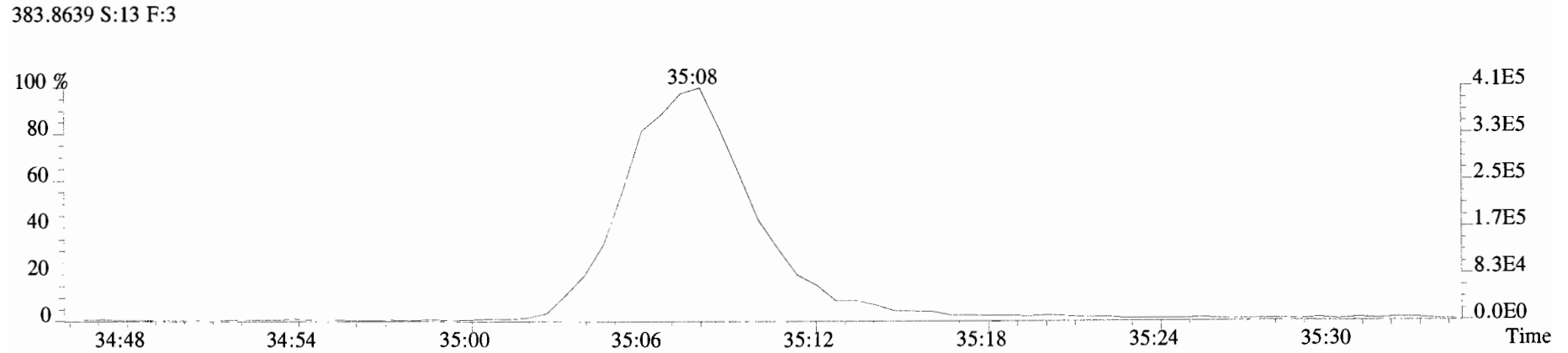
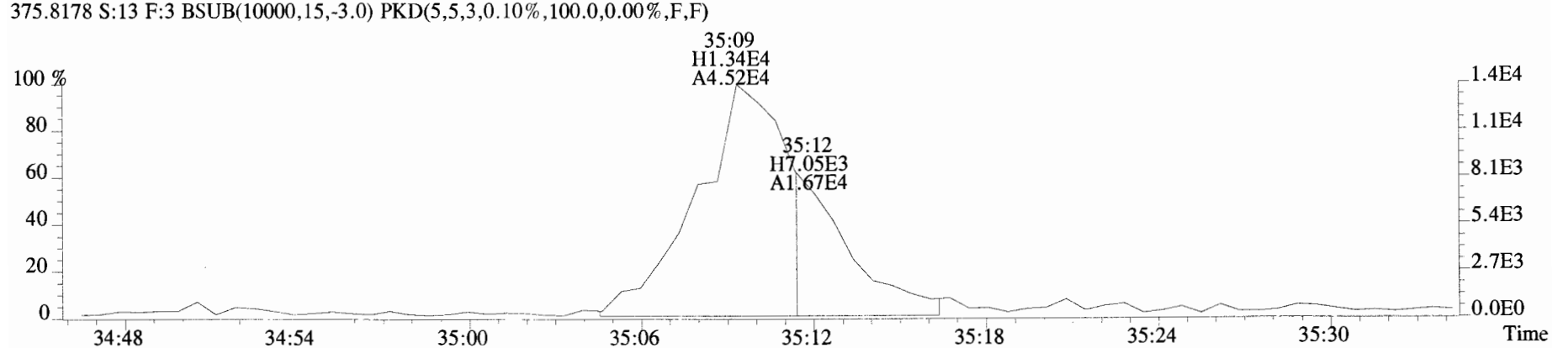
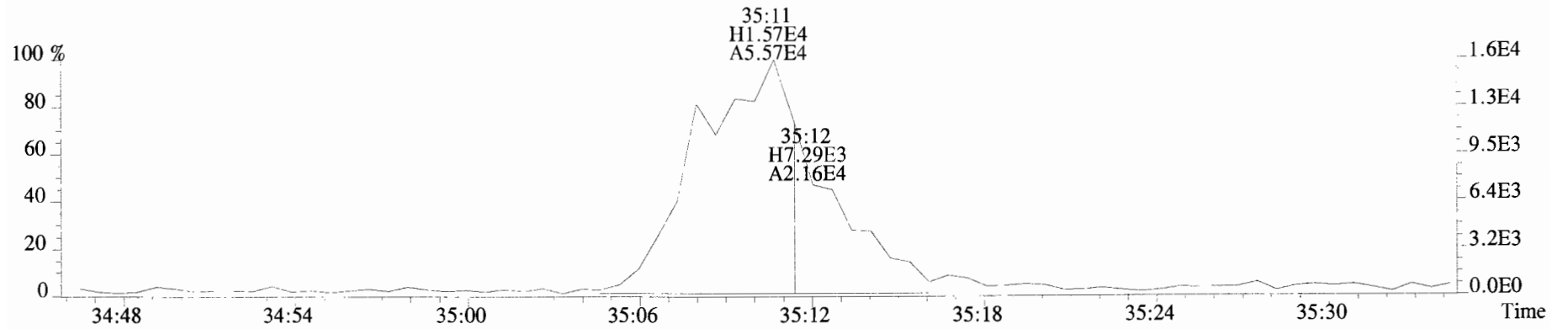
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



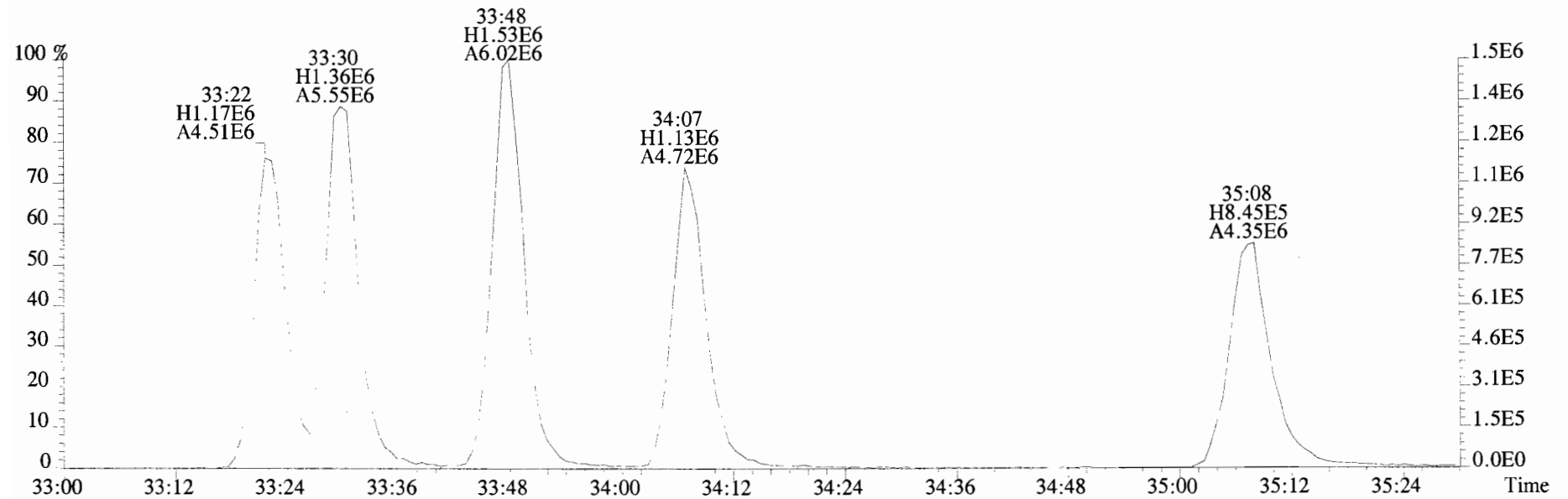
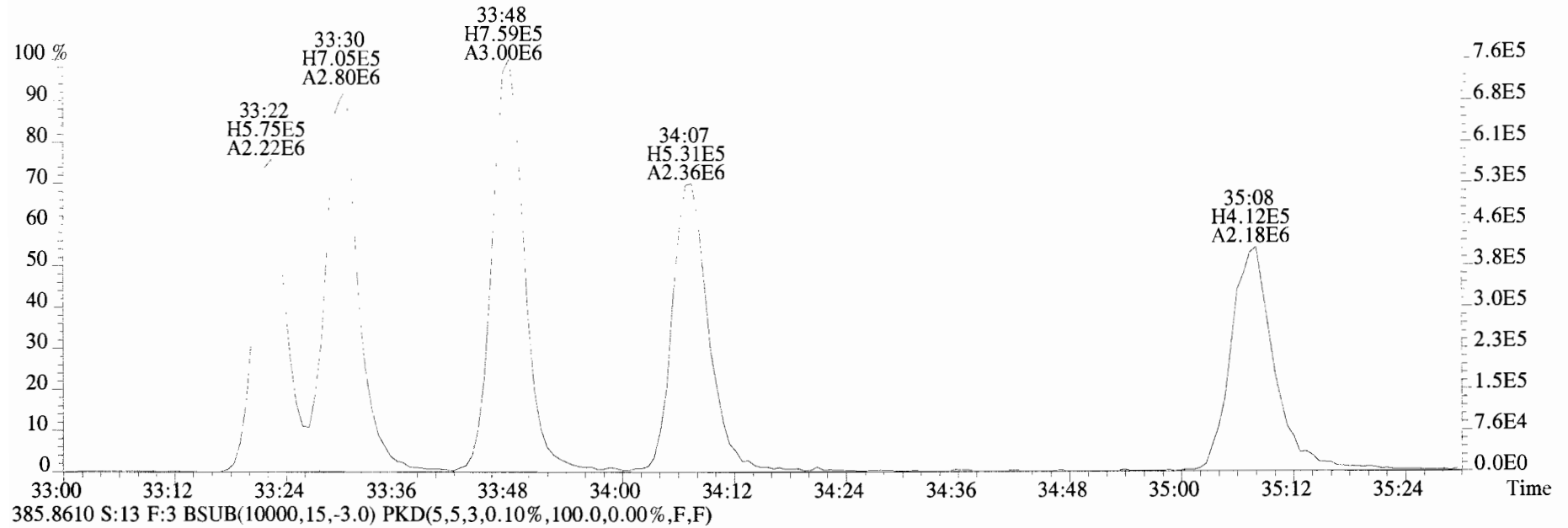
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



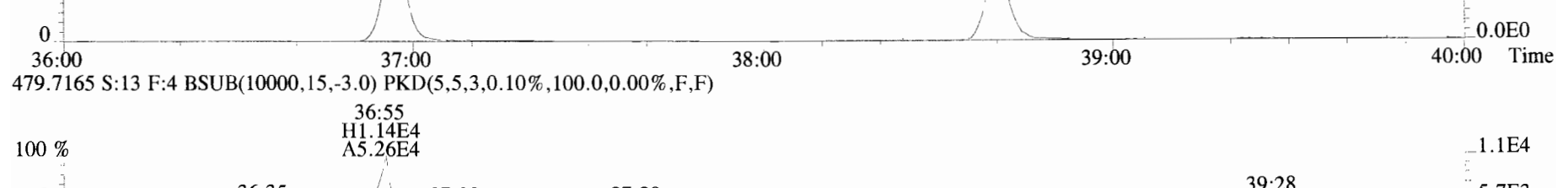
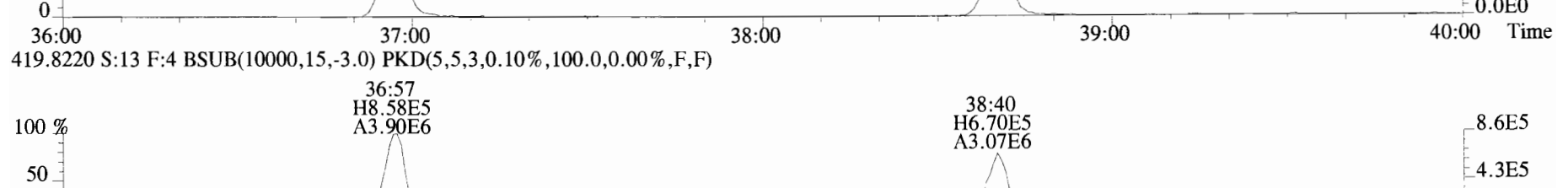
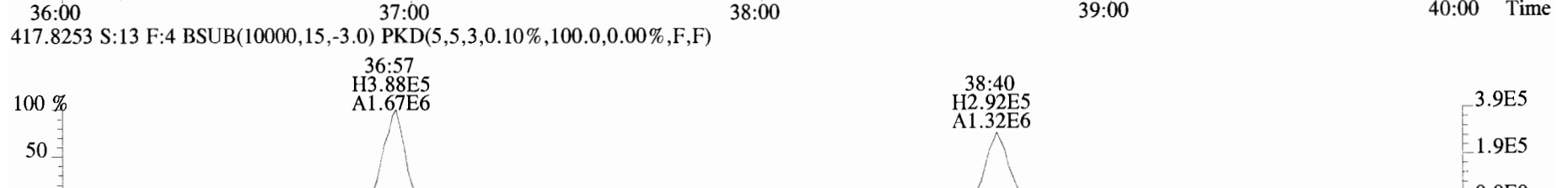
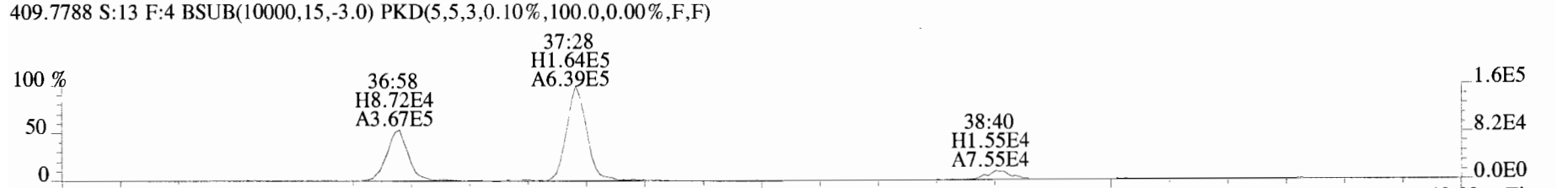
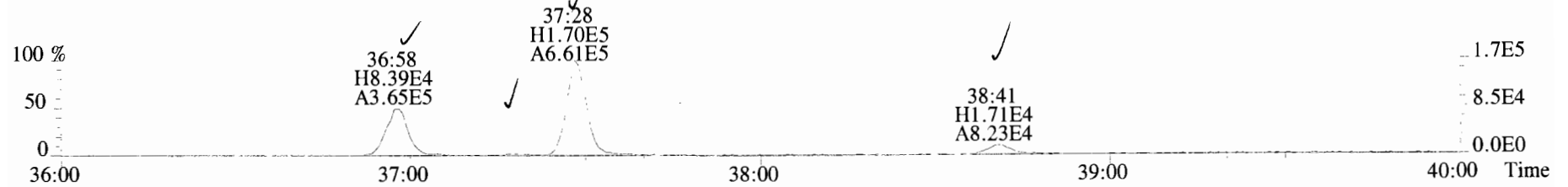
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:13 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



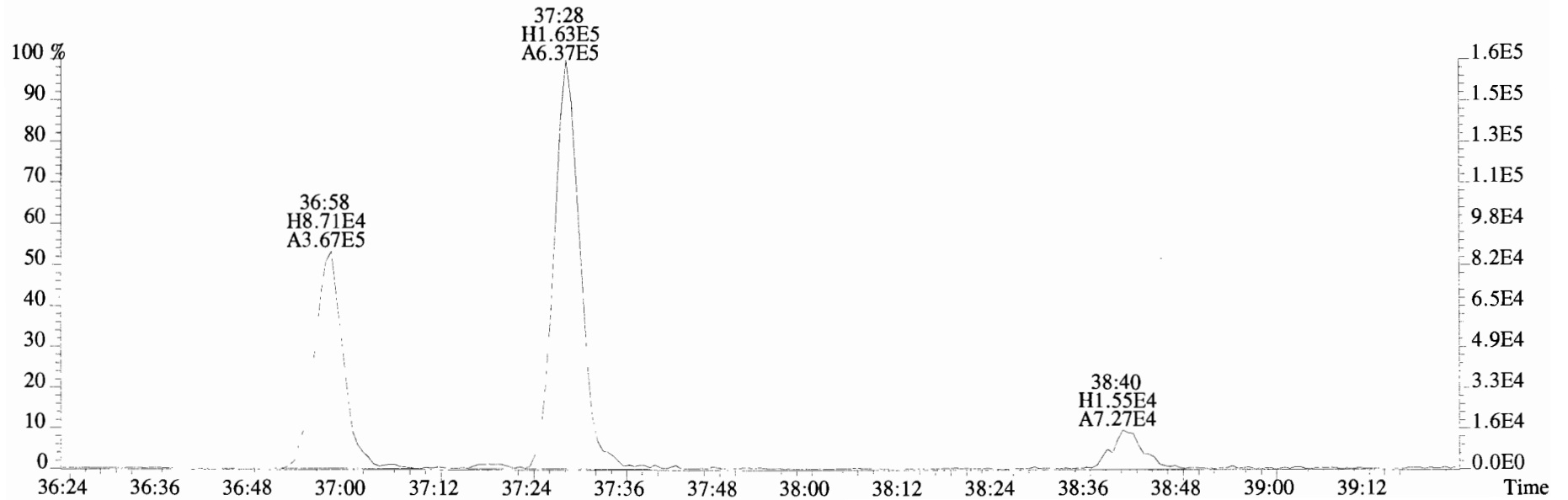
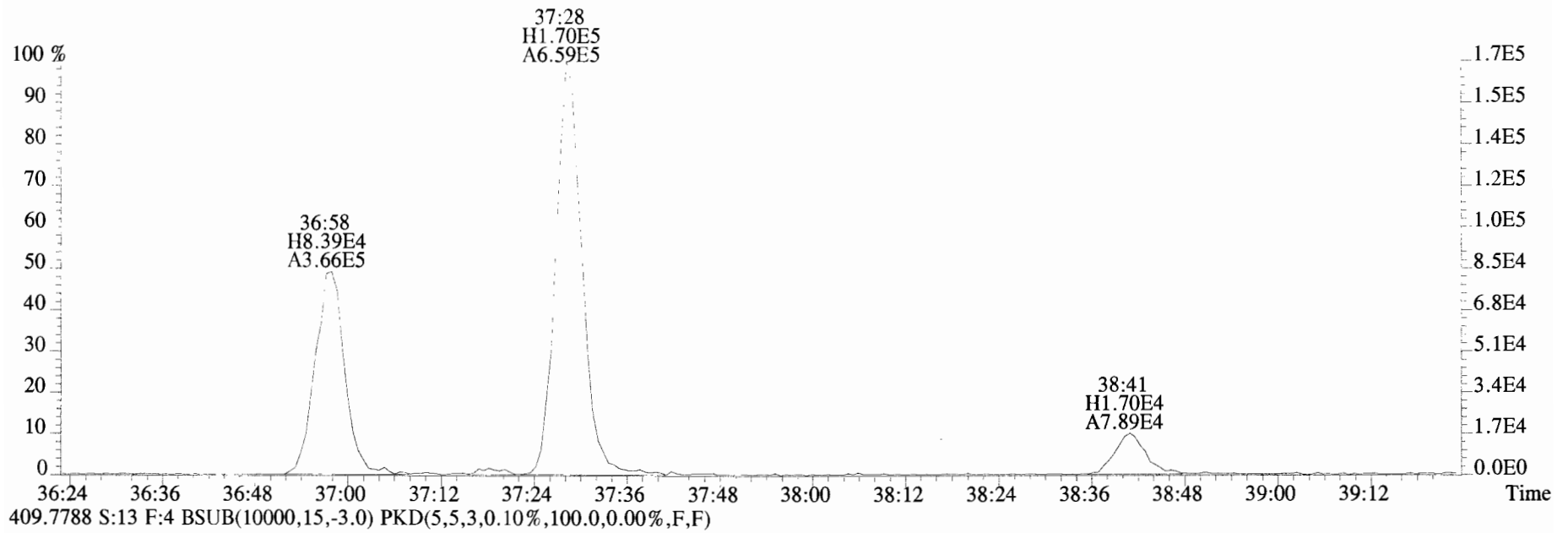
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
383.8639 S:13 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



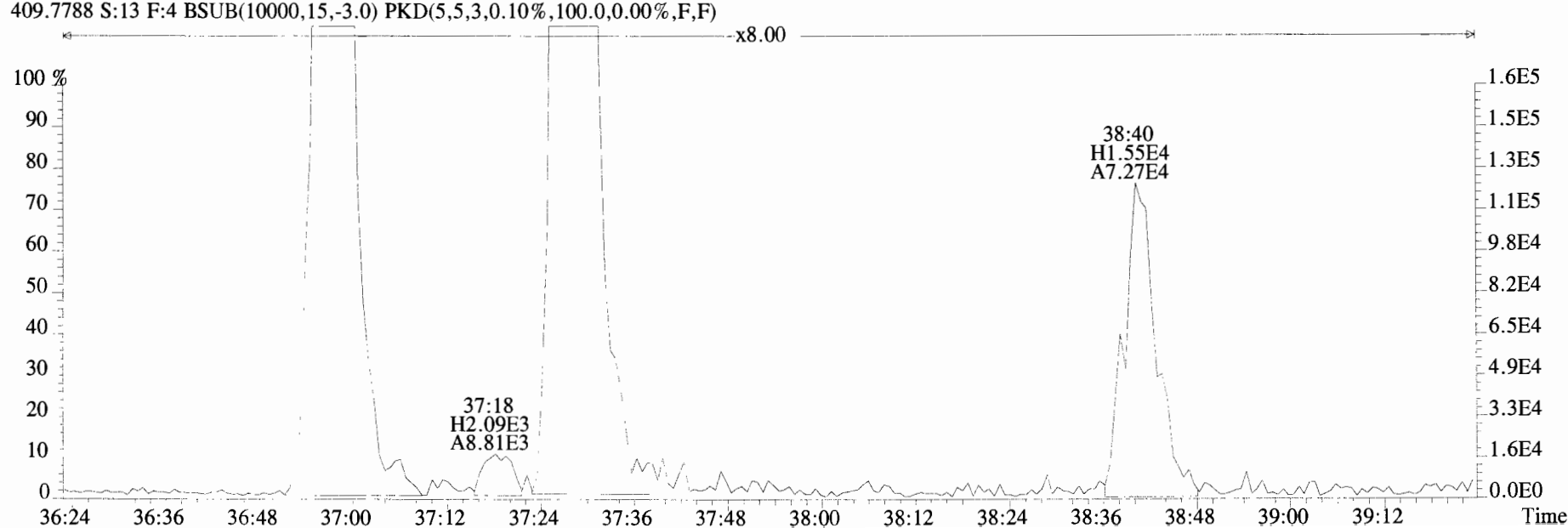
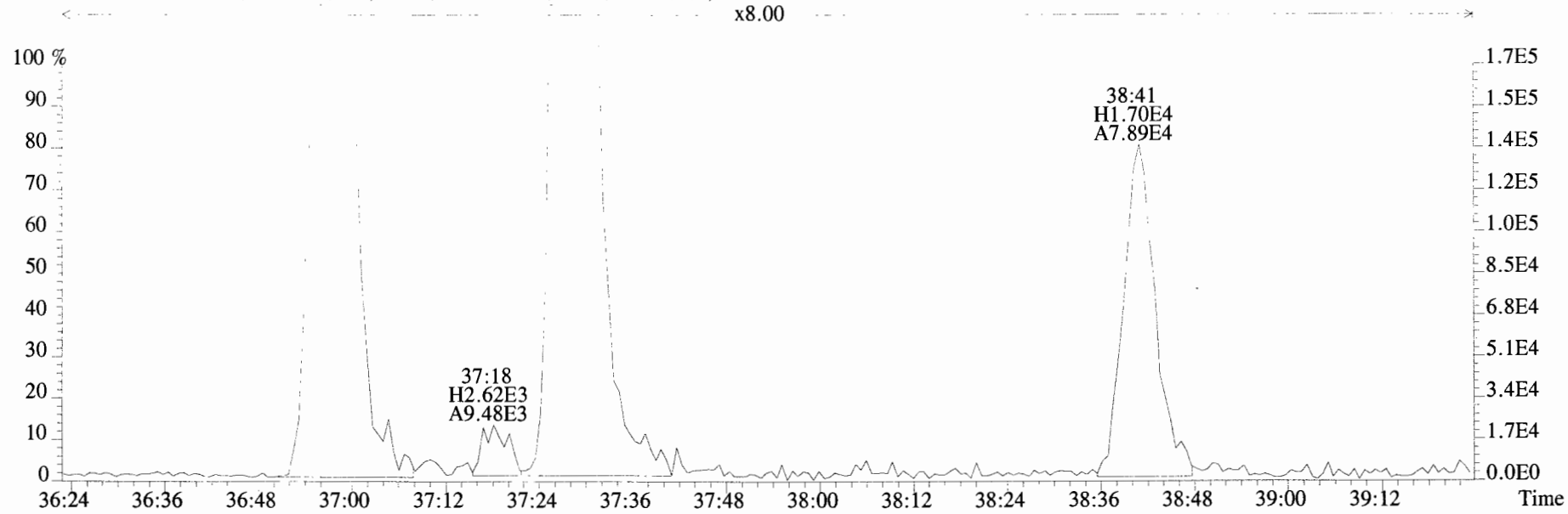
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



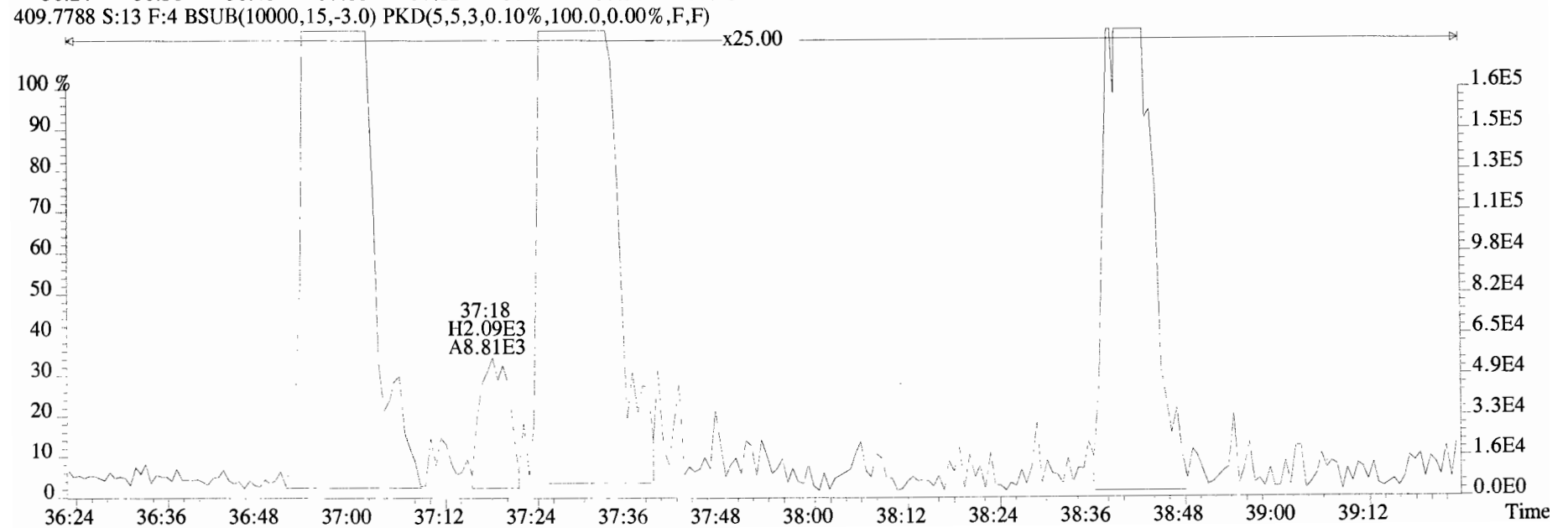
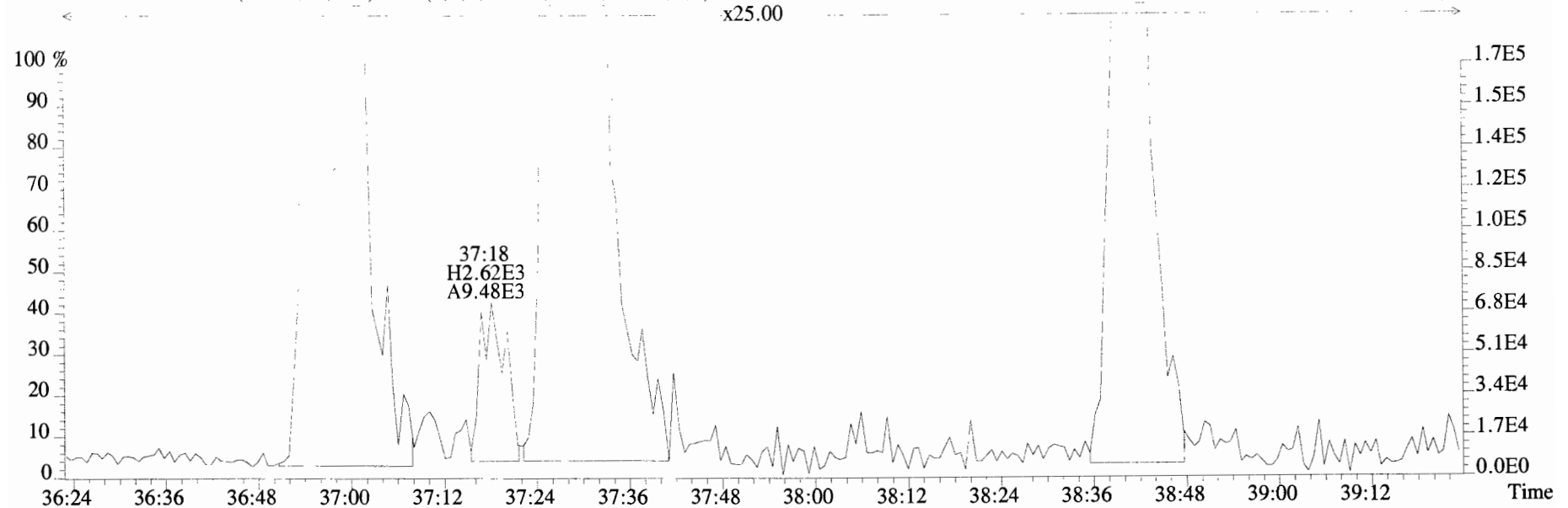
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



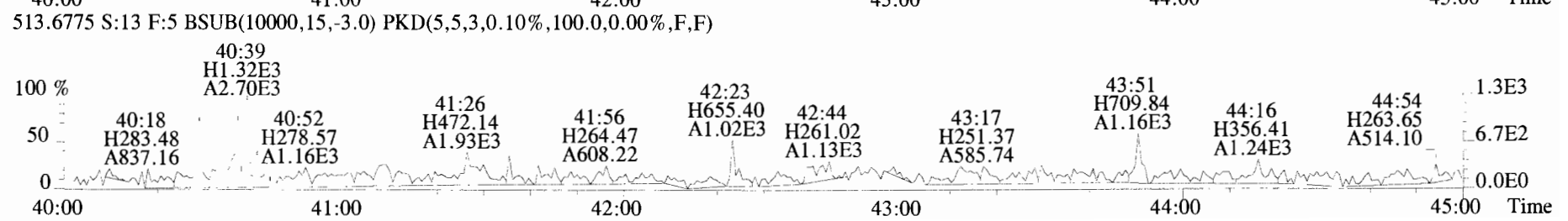
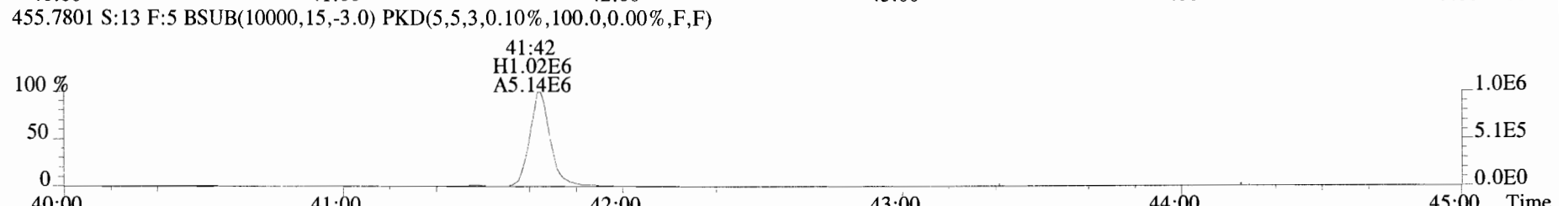
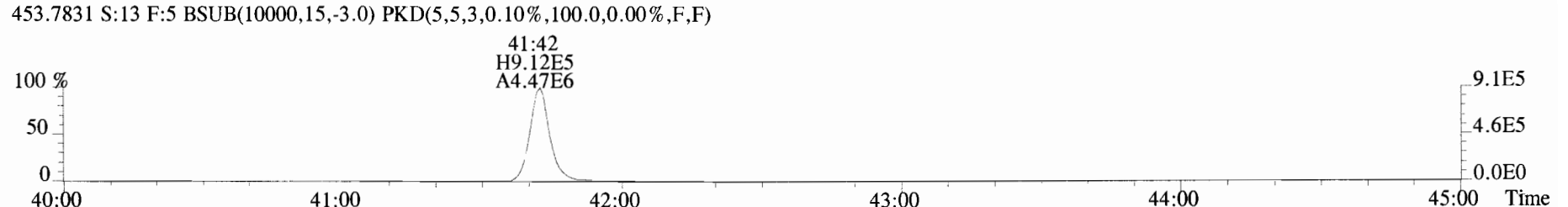
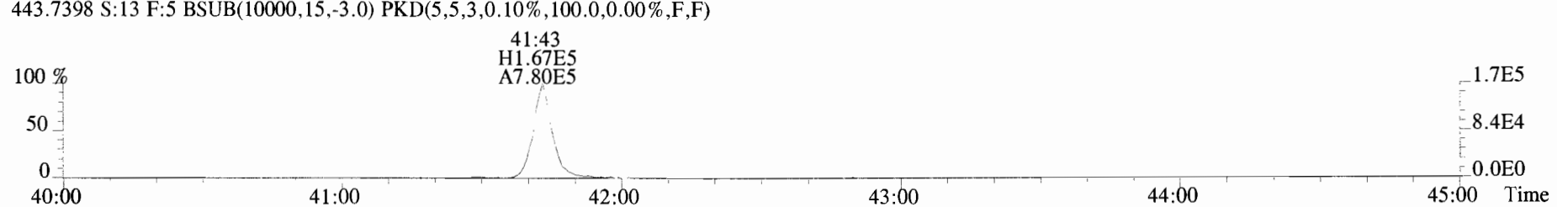
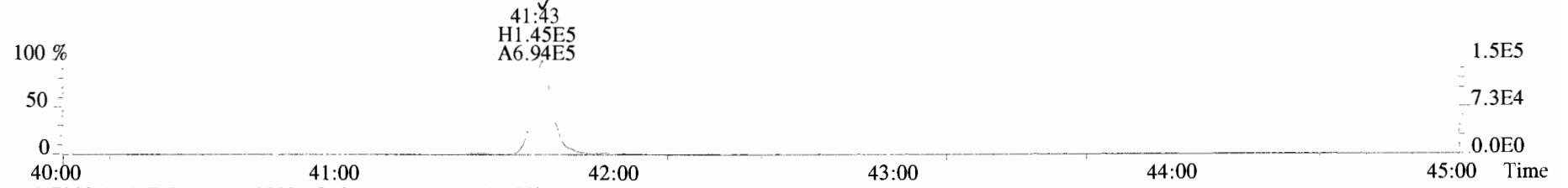
File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:13 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-355 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:13 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-432 Acq:10-OCT-2019 01:44:36 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text: Vista Analytical Laboratory_VG7 Text:1903285-08 PDI-104SG-00-01-190924 10 Exp:OCDD_DB5
441.7428 S:13 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.13e+04	0.67 y	0.91	26:34 ✓	0.34346	*	2.5	*	*	Total Tetra-Dioxins	4.76	4.76	*	*	*
1,2,3,7,8-PeCDD	1.63e+04	1.03 n	0.90	30:57 ✓	0.58962	*	2.5	*	*	Total Penta-Dioxins	4.04	5.76	*	*	*
1,2,3,4,7,8-HxCDD	1.54e+04	1.16 y	1.10	34:17 ✓	0.70025	*	2.5	*	*	Total Hexa-Dioxins	38.7	38.7	*	*	*
1,2,3,6,7,8-HxCDD	9.03e+04	1.12 y	0.94	34:24 ✓	3.7047	*	2.5	*	*	Total Hepta-Dioxins	285	285	*	*	*
1,2,3,7,8,9-HxCDD	4.17e+04	1.24 y	0.96	34:43 ✓	1.7710	*	2.5	*	*	Total Tetra-Furans	34.7	37.8	*	*	*
1,2,3,4,6,7,8-HpCDD	2.92e+06	1.02 y	0.98	38:06 ✓	132.87	*	2.5	*	*	Total Penta-Furans	28.051	31.658	*	*	*
OCDD	1.83e+07	0.91 y	0.96	41:28 ✓	1206.9	*	2.5	*	*	Total Hexa-Furans	37.1	37.1	*	*	*
										Total Hepta-Furans	57.6	57.6	*	*	*
2,3,7,8-TCDF	5.04e+05	0.77 y	0.95	25:52 ✓	11.605	*	2.5	*	*						
1,2,3,7,8-PeCDF	3.52e+05	1.54 y	0.96	29:48 ✓	8.6147	*	2.5	*	*						
2,3,4,7,8-PeCDF	1.80e+05	1.37 y	1.01	30:40 ✓	4.3002	*	2.5	*	*						
1,2,3,4,7,8-HxCDF	3.68e+05	1.19 y	1.18	33:23 ✓	11.567	*	2.5	*	*						
1,2,3,6,7,8-HxCDF	1.15e+05	1.35 y	1.07	33:30 ✓	3.0501	*	2.5	*	*						
2,3,4,6,7,8-HxCDF	4.80e+04	1.29 y	1.11	34:08 ✓	1.4407	*	2.5	*	*						
1,2,3,7,8,9-HxCDF	3.86e+04	1.18 y	1.06	35:09 ✓	1.3098	*	2.5	*	*						
1,2,3,4,6,7,8-HpCDF	4.92e+05	1.04 y	1.13	36:57 ✓	17.604	*	2.5	*	*						
1,2,3,4,7,8,9-HpCDF	7.25e+04	1.05 y	1.28	38:41 ✓	2.9686	*	2.5	*	*						
OCDF	1.21e+06	0.88 y	0.95	41:43 ✓	64.557	*	2.5	*	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	7.53e+06	0.77 y	1.10	26:35	177.75					86.1					
IS 13C-1,2,3,7,8-PeCDD	6.34e+06	0.63 y	0.88	30:56	185.89					90.1					
IS 13C-1,2,3,4,7,8-HxCDD	4.13e+06	1.24 y	0.64	34:16	168.31					81.5					
IS 13C-1,2,3,6,7,8-HxCDD	5.36e+06	1.25 y	0.86	34:23	163.91					79.4					
IS 13C-1,2,3,7,8,9-HxCDD	5.05e+06	1.23 y	0.81	34:42	163.97					79.4					
IS 13C-1,2,3,4,6,7,8-HpCDD	4.63e+06	1.05 y	0.65	38:05	185.28					89.8					
IS 13C-OCDD	6.54e+06	0.91 y	0.58	41:28	295.06					71.5					
IS 13C-2,3,7,8-TCDF	9.44e+06	0.81 y	1.03	25:52	151.93					73.6					
IS 13C-1,2,3,7,8-PeCDF	8.79e+06	1.55 y	0.85	29:48	171.45					83.1					
IS 13C-2,3,4,7,8-PeCDF	8.50e+06	1.59 y	0.85	30:41	167.15					81.0					
IS 13C-1,2,3,4,7,8-HxCDF	5.58e+06	0.50 y	0.83	33:22	175.71					85.1					
IS 13C-1,2,3,6,7,8-HxCDF	7.28e+06	0.51 y	1.03	33:30	184.06					89.2					
IS 13C-2,3,4,6,7,8-HxCDF	6.17e+06	0.51 y	0.95	34:07	169.45					82.1					
IS 13C-1,2,3,7,8,9-HxCDF	5.72e+06	0.51 y	0.83	35:08	180.96					87.7					
IS 13C-1,2,3,4,6,7,8-HpCDF	5.12e+06	0.44 y	0.76	36:57	176.84					85.7					
IS 13C-1,2,3,4,7,8,9-HpCDF	3.94e+06	0.46 y	0.58	38:40	177.40					86.0					
IS 13C-OCDF	8.17e+06	0.89 y	0.69	41:42	310.35					75.2					
C/Up 37Cl-2,3,7,8-TCDD	3.15e+06		1.20	26:36	67.964					82.3					
RS/RT 13C-1,2,3,4-TCDD	7.98e+06	0.82 y	1.00	26:01	206.40						Integrations	Reviewed			
RS 13C-1,2,3,4-TCDF	1.24e+07	0.79 y	1.00	24:41	206.40						by DB	by HC			
RS/RT 13C-1,2,3,4,6,9-HxCDF	7.89e+06	0.50 y	1.00	33:48	206.40						Analyst: DB	Analyst: HC		CT	
											Date: 10/11/19	Date: 10/31/19		10/31/19	

Totals class: TCDD EMPC

Entry #: 19

Run: 12 File: 191009D1 S: 14 I: 1 F: 1
Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 4.7560 Unnamed Concentration: 4.413

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:24	2.041e+04	3.115e+04	0.66 y	5.156e+04	1.5609	
23:43	7.065e+03	8.031e+03	0.88 y	1.510e+04	0.45697	
25:10	3.647e+03	4.783e+03	0.76 y	8.430e+03	0.25518	
26:21	3.298e+04	3.770e+04	0.87 y	7.068e+04	2.1395	
26:34	4.559e+03	6.787e+03	0.67 y	1.135e+04	0.34346	2,3,7,8-TCDD

Totals class: PeCDD EMPC

Entry #: 21

Run: 12 File: 191009D1 S: 14 I: 1 F: 2
Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 5.7553 Unnamed Concentration: 5.166

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:57	1.917e+04	2.983e+04	0.64	y	4.900e+04	1.7677
29:22	5.646e+03	7.867e+03	0.72	y	1.351e+04	0.48747
29:48	6.281e+03	9.170e+03	0.68	y	1.545e+04	0.55736
29:57	8.627e+03	1.203e+04	0.72	y	2.066e+04	0.74513
30:03	4.773e+03	8.645e+03	0.55	y	1.342e+04	0.48403
30:15	8.668e+03	1.053e+04	0.82	n	1.716e+04	0.61913
30:57	1.037e+04	1.003e+04	1.03	n	1.634e+04	0.58962
31:02	2.551e+03	2.026e+03	1.26	n	3.302e+03	0.11911
31:18	4.133e+03	9.708e+03	0.43	n	1.069e+04	0.38578

Totals class: HxCDD EMPC

Entry #: 23

Run: 12 File: 191009D1 S: 14 I: 1 F: 3
 Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 38.663 Unnamed Concentration: 32.487

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
32:42	1.772e+05	1.431e+05	1.24 y	3.203e+05	13.751
33:17	2.322e+04	1.683e+04	1.38 y	4.005e+04	1.7196
33:33	1.910e+05	1.484e+05	1.29 y	3.394e+05	14.571
33:41	1.868e+04	1.679e+04	1.11 y	3.547e+04	1.5227
34:17	8.296e+03	7.133e+03	1.16 y	1.543e+04	0.70025 1,2,3,4,7,8-HxCDD
34:24	4.761e+04	4.266e+04	1.12 y	9.027e+04	3.7047 1,2,3,6,7,8-HxCDD
34:36	1.122e+04	1.026e+04	1.09 y	2.148e+04	0.92225
34:43	2.310e+04	1.859e+04	1.24 y	4.169e+04	1.7710 1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 12 File: 191009D1 S: 14 I: 1 F: 4
Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 285.07 Unnamed Concentration: 152.204

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
37:17	1.678e+06	1.665e+06	1.01 y	3.344e+06	152.20	
38:06	1.477e+06	1.442e+06	1.02 y	2.919e+06	132.87	1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 12 File: 191009D1 S: 14 I: 1 F: 1
 Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 37.845 Unnamed Concentration: 26.240

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
21:25	5.670e+03	6.552e+03	0.87	y	1.222e+04	0.28121	
21:59	7.430e+03	8.921e+03	0.83	y	1.635e+04	0.37624	
22:35	4.832e+04	5.051e+04	0.96	n	8.941e+04	2.0572	
23:04	2.016e+04	2.512e+04	0.80	y	4.528e+04	1.0419	
23:24	5.678e+04	8.069e+04	0.70	y	1.375e+05	3.1632	
23:46	2.490e+04	2.814e+04	0.88	y	5.305e+04	1.2206	
23:53	7.333e+03	6.474e+03	1.13	n	1.146e+04	0.26368	
24:02	1.238e+04	1.607e+04	0.77	y	2.845e+04	0.65460	
24:25	1.111e+04	1.651e+04	0.67	y	2.762e+04	0.63555	
24:40	5.701e+04	7.167e+04	0.80	y	1.287e+05	2.9610	
25:06	1.683e+05	2.212e+05	0.76	y	3.896e+05	8.9636	
25:19	1.649e+04	2.035e+04	0.81	y	3.684e+04	0.84769	
25:45	3.586e+04	4.553e+04	0.79	y	8.139e+04	1.8727	
25:52	2.201e+05	2.843e+05	0.77	y	5.044e+05	11.605	2,3,7,8-TCDF
26:10	2.088e+04	2.430e+04	0.86	y	4.518e+04	1.0395	
27:33	2.441e+04	2.115e+04	1.15	n	3.743e+04	0.86135	

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 12 File: 191009D1 S: 14 I: 1 F: 1
Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 5.4569 Unnamed Concentration: 5.457

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:30	1.377e+05	8.808e+04	1.56 y	2.258e+05	5.4569

Totals class: PeCDF EMPC

Entry #: 31

Run: 12 File: 191009D1 S: 14 I: 1 F: 2
 Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 26.201

Unnamed Concentration: 13.286

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:53	1.625e+05	1.071e+05	1.52	y	2.696e+05	6.5170
29:26	3.526e+04	1.970e+04	1.79	n	5.022e+04	1.2139
29:38	3.490e+04	1.937e+04	1.80	n	4.939e+04	1.1938
29:48	2.138e+05	1.387e+05	1.54	y	3.525e+05	8.6147 1,2,3,7,8-PeCDF
30:01	8.373e+04	4.711e+04	1.78	y	1.308e+05	3.1621
30:40	1.040e+05	7.571e+04	1.37	y	1.798e+05	4.3002 2,3,4,7,8-PeCDF
30:45	3.581e+04	1.946e+04	1.64	n	4.962e+04	1.1993

Totals class: HxCDF EMPC

Entry #: 33

Run: 12 File: 191009D1 S: 14 I: 1 F: 3
Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

Total Concentration: 37.053

Unnamed Concentration: 19.685

RT	m1 Resp	m2 Resp	RA	Resp	Concentration	Name
32:10	3.725e+04	3.525e+04	1.06 y	7.250e+04	2.1914	
32:19	1.237e+05	1.010e+05	1.23 y	2.248e+05	6.7939	
32:53	1.840e+05	1.564e+05	1.18 y	3.404e+05	10.288	
33:23	1.998e+05	1.684e+05	1.19 y	3.683e+05	11.567	1,2,3,4,7,8-HxCDF
33:30	6.593e+04	4.899e+04	1.35 y	1.149e+05	3.0501	1,2,3,6,7,8-HxCDF
34:08	2.704e+04	2.093e+04	1.29 y	4.798e+04	1.4407	2,3,4,6,7,8-HxCDF
35:09	2.089e+04	1.767e+04	1.18 y	3.856e+04	1.3098	1,2,3,7,8,9-HxCDF
35:13	7.347e+03	6.274e+03	1.17 y	1.362e+04	0.41176	

Totals class: HpCDF EMPC

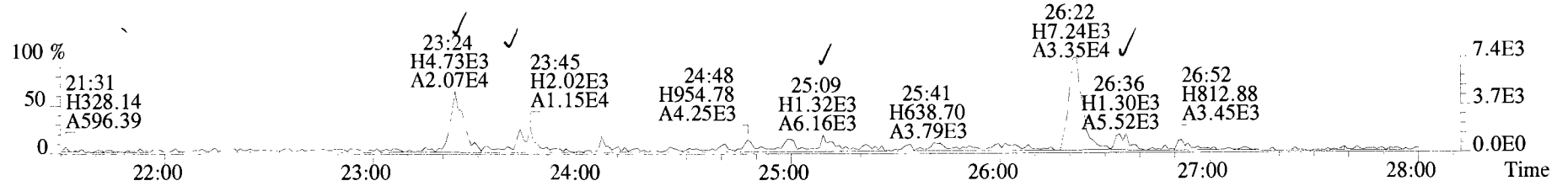
Entry #: 35

Run: 12 File: 191009D1 S: 14 I: 1 F: 4
Acquired: 10-OCT-19 02:32:11 Processed: 10-OCT-19 10:29:37

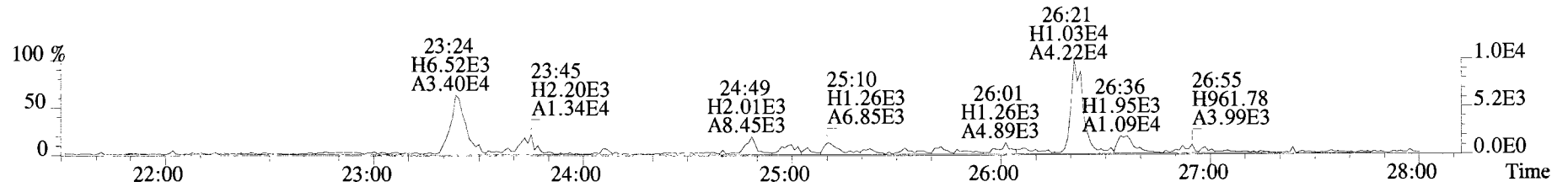
Total Concentration: 57.635 Unnamed Concentration: 37.062

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:57	2.511e+05	2.412e+05	1.04 y	4.922e+05	17.604	1,2,3,4,6,7,8-HpCDF
37:17	8.585e+03	8.982e+03	0.96 y	1.757e+04	0.67061	
37:28	4.828e+05	4.704e+05	1.03 y	9.532e+05	36.392	
38:41	3.722e+04	3.531e+04	1.05 y	7.253e+04	2.9686	1,2,3,4,7,8,9-HpCDF

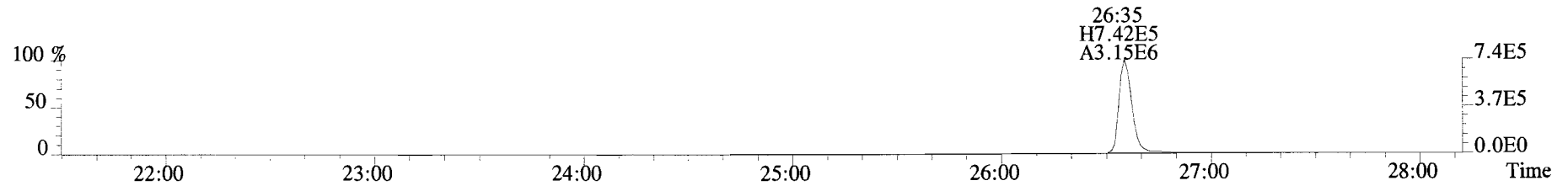
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
319.8965 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



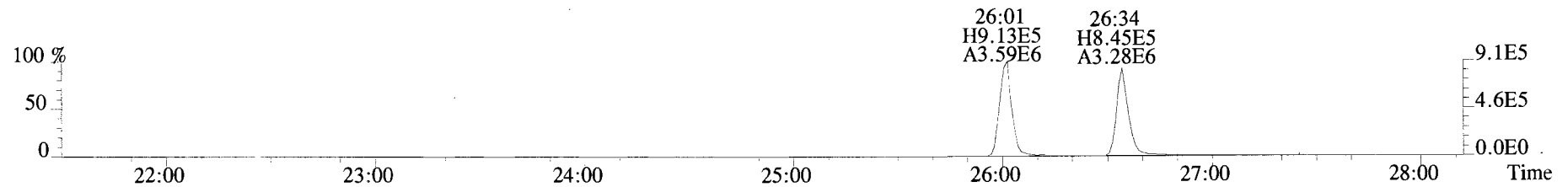
321.8936 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



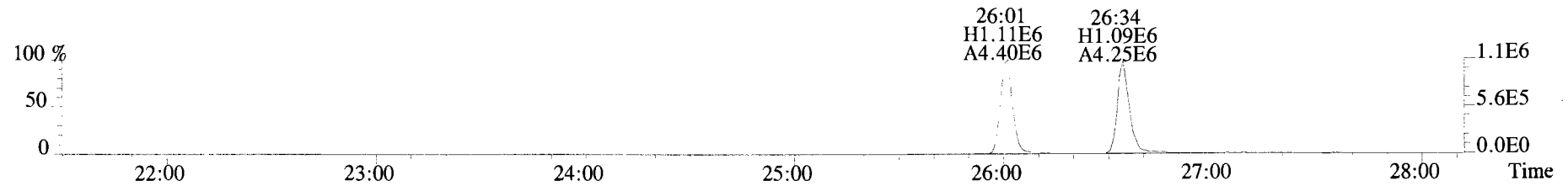
327.8847 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



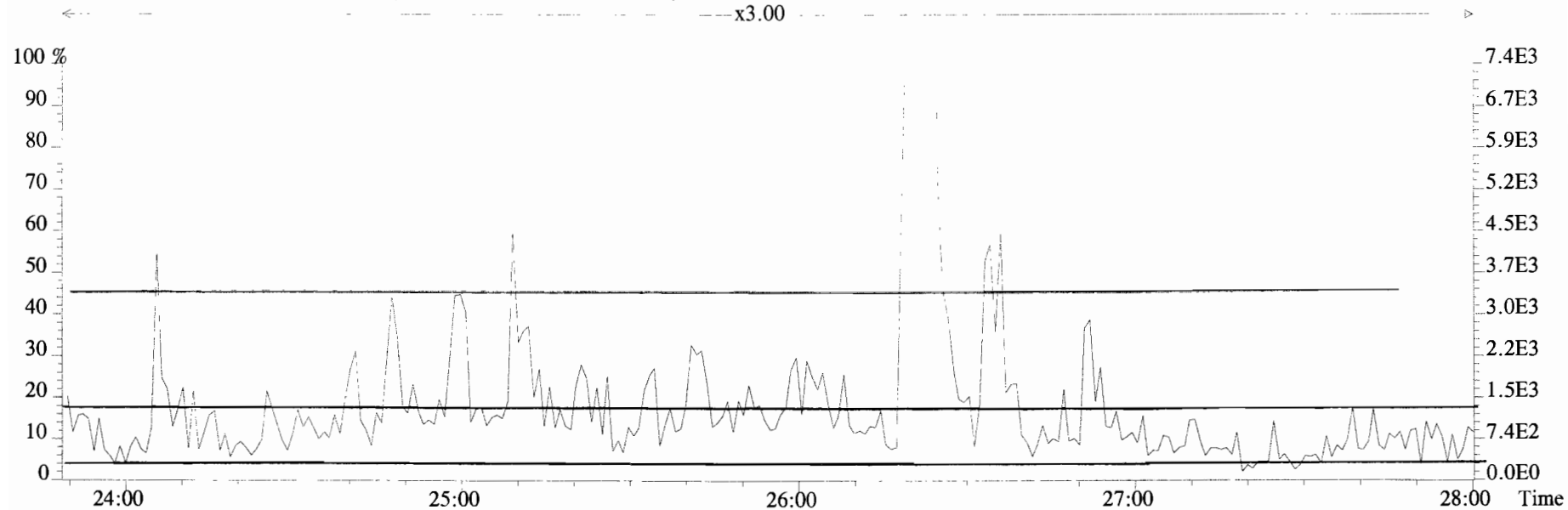
331.9368 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



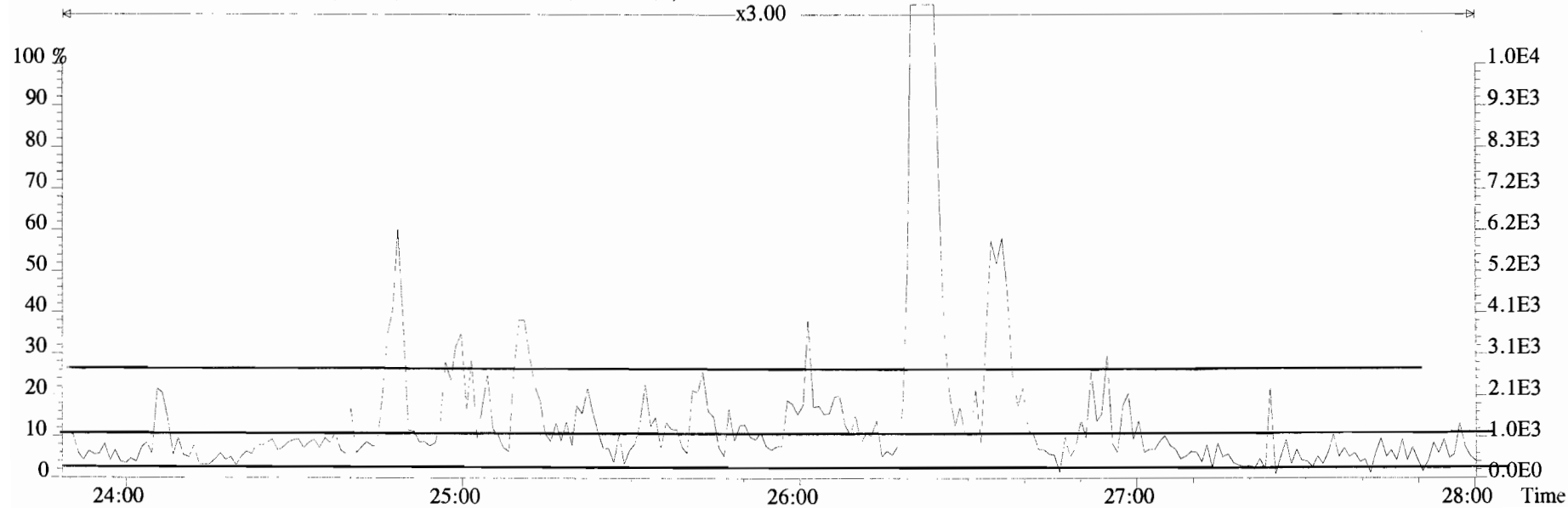
333.9339 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



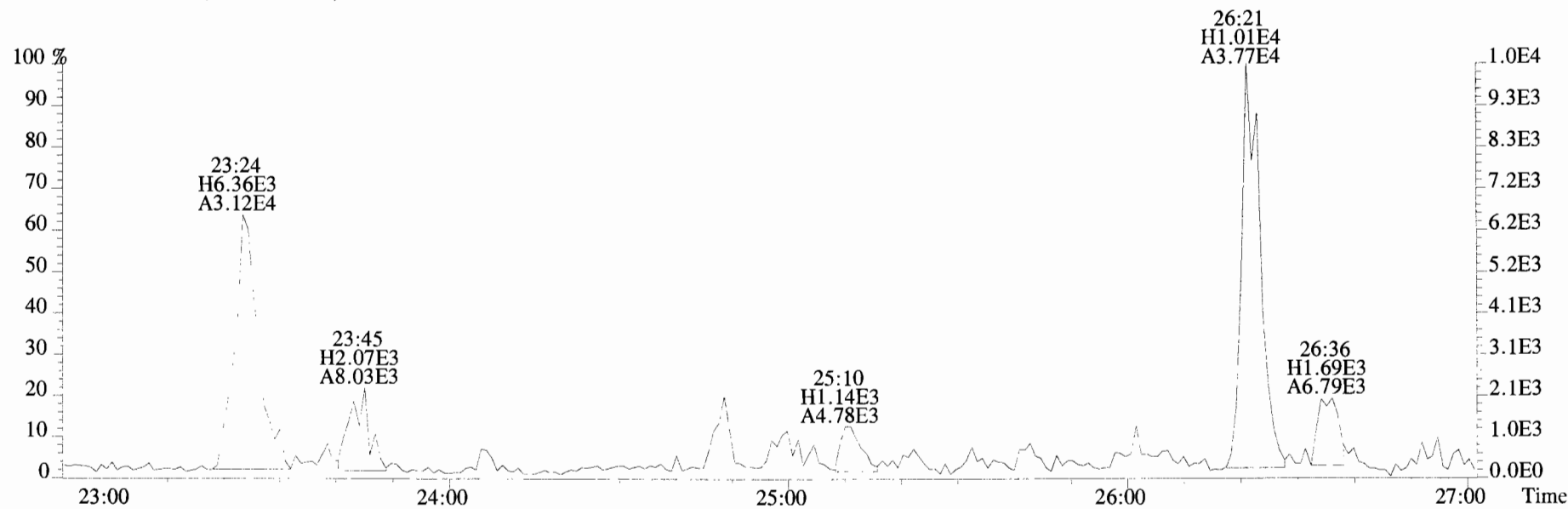
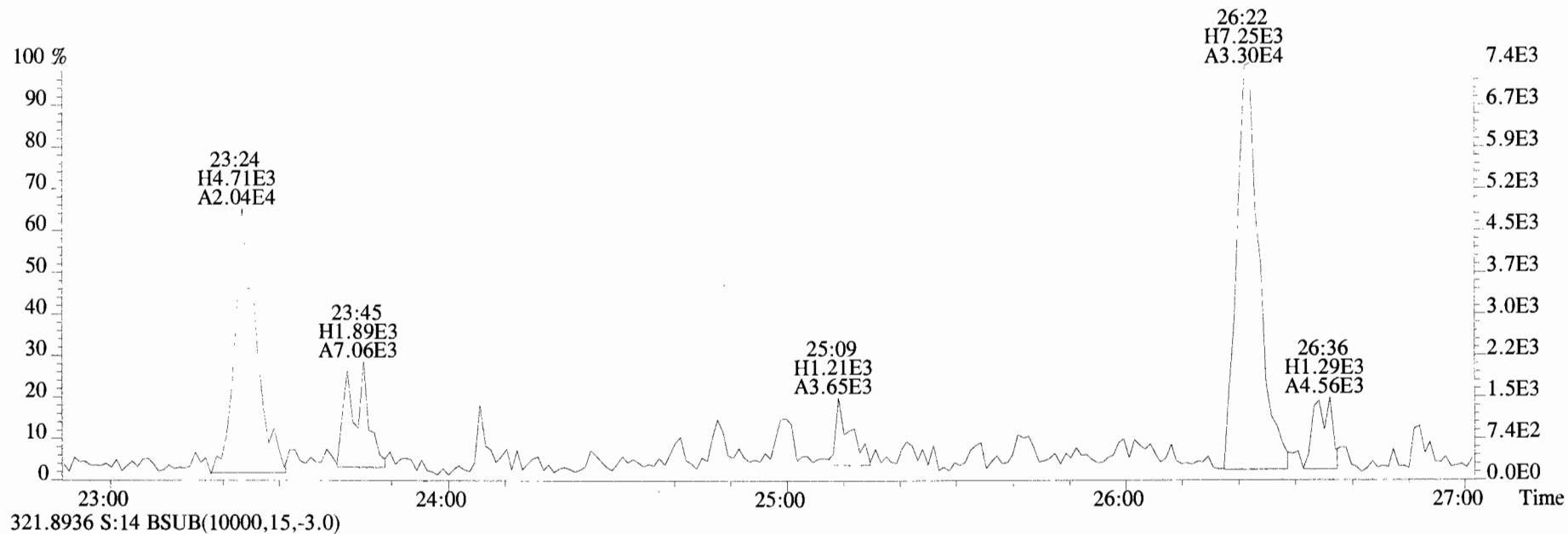
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
319.8965 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



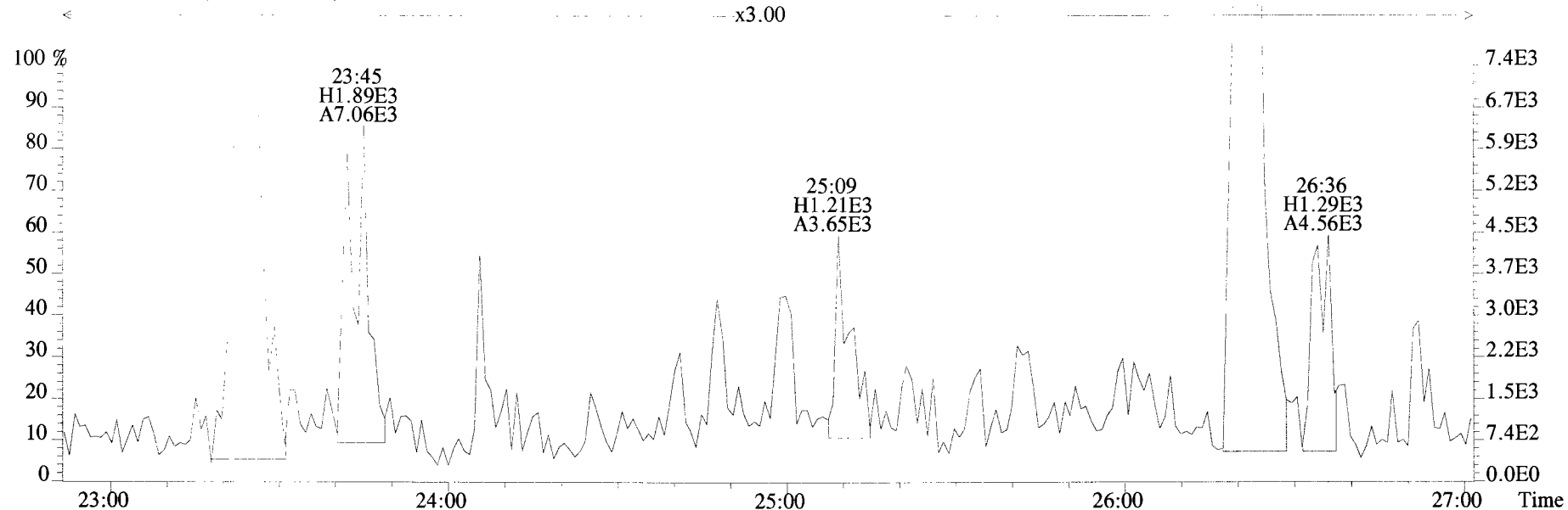
321.8936 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



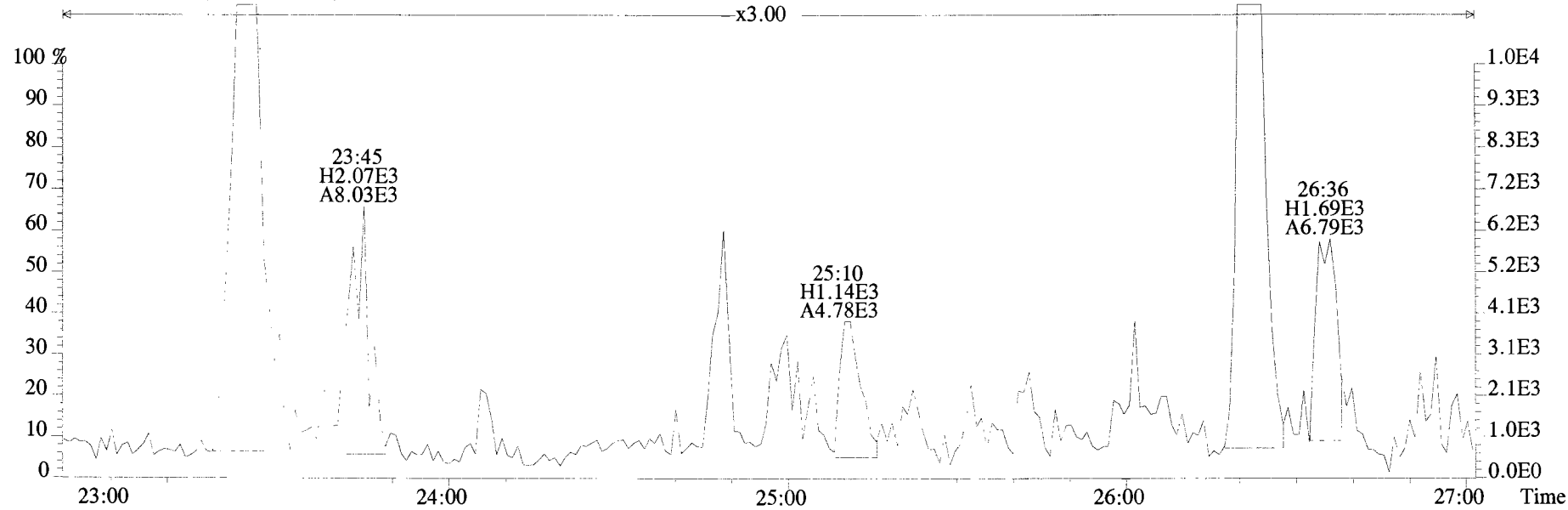
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
319.8965 S:14 BSUB(10000,15,-3.0)



File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
319.8965 S:14 BSUB(10000,15,-3.0)



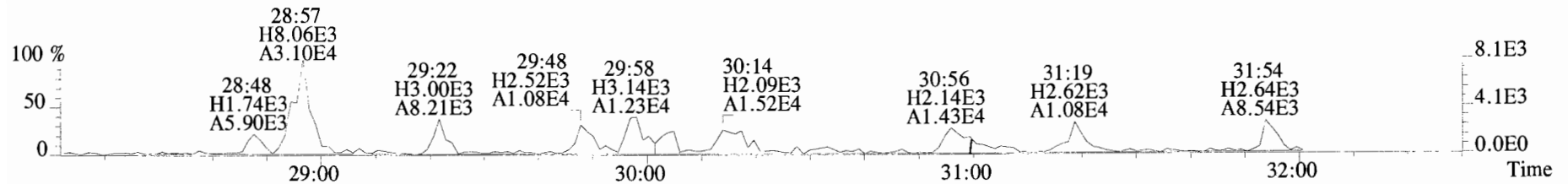
321.8936 S:14 BSUB(10000,15,-3.0)



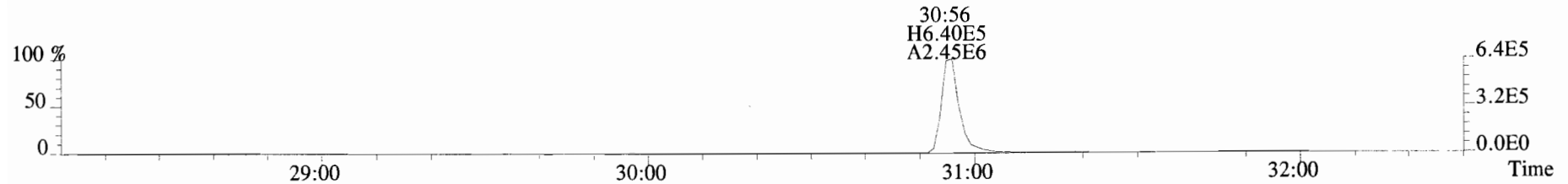
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 353.8576 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



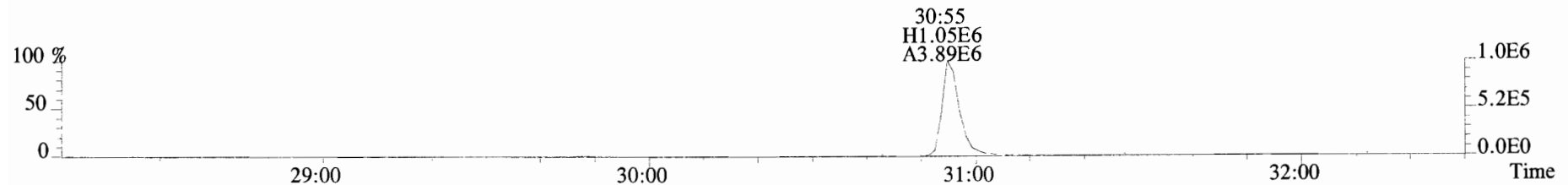
355.8546 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



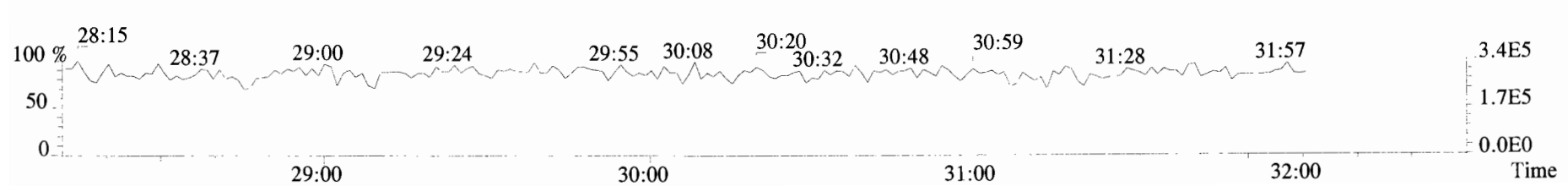
365.8978 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



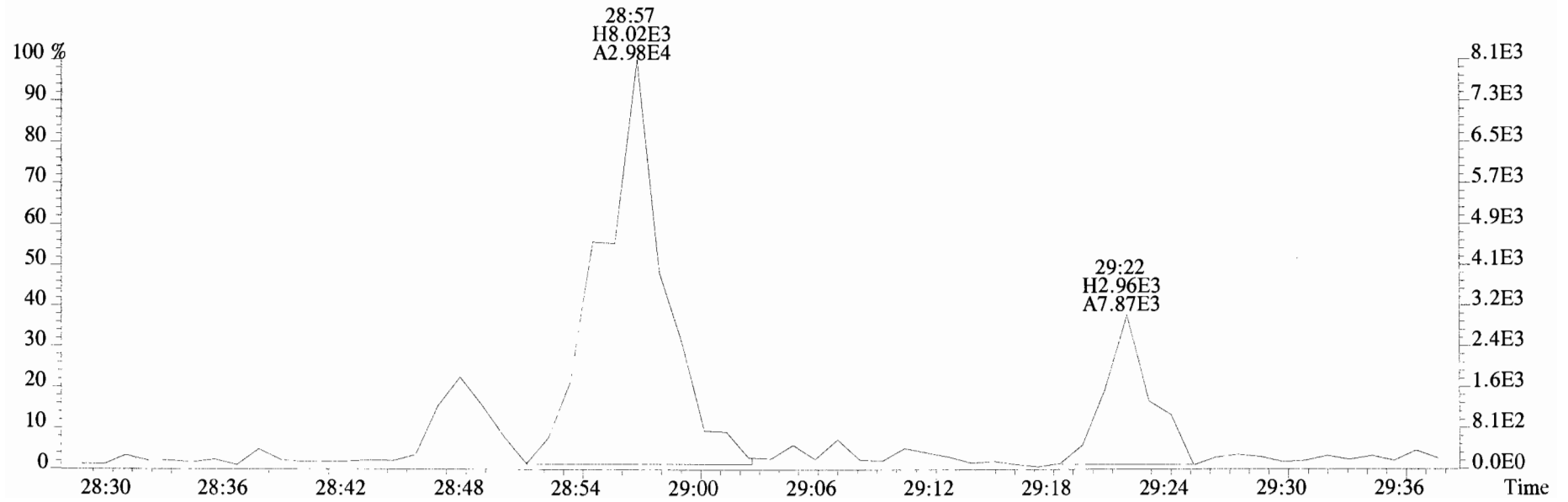
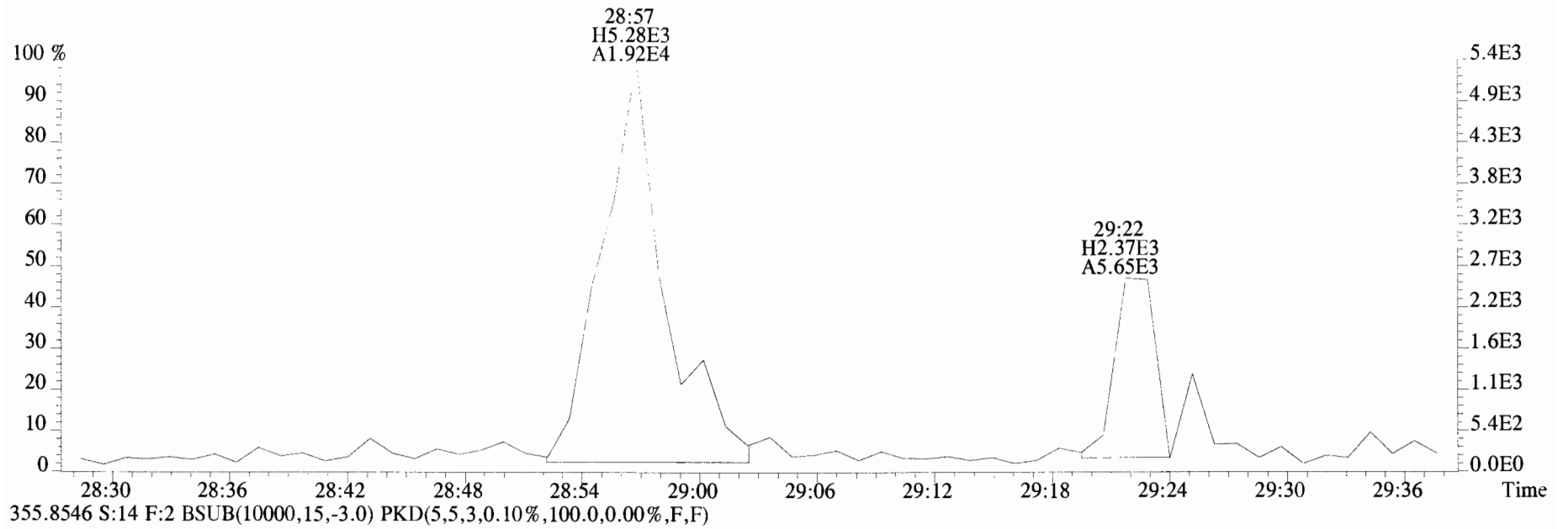
367.8949 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



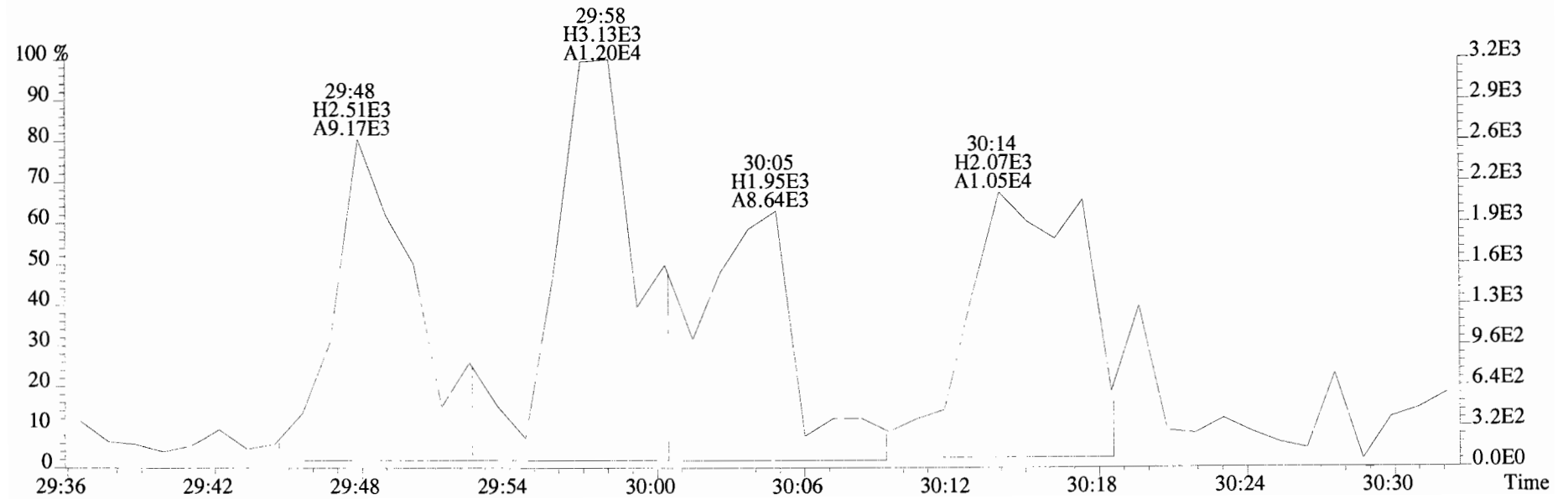
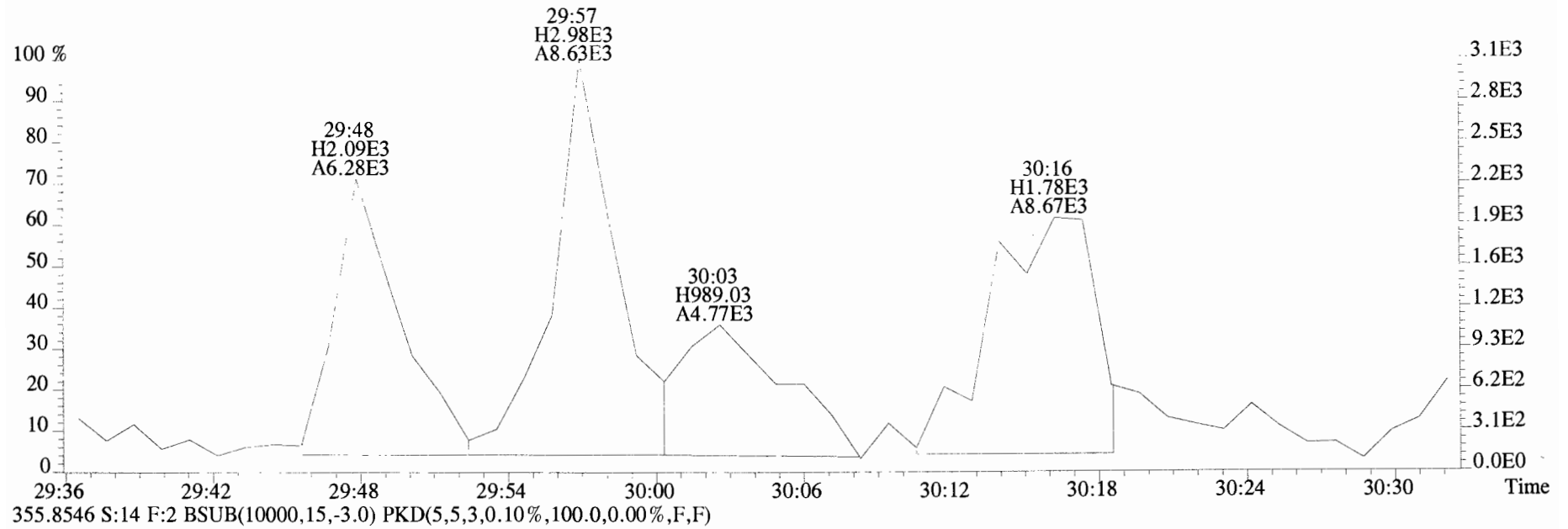
366.9792 S:14 F:2



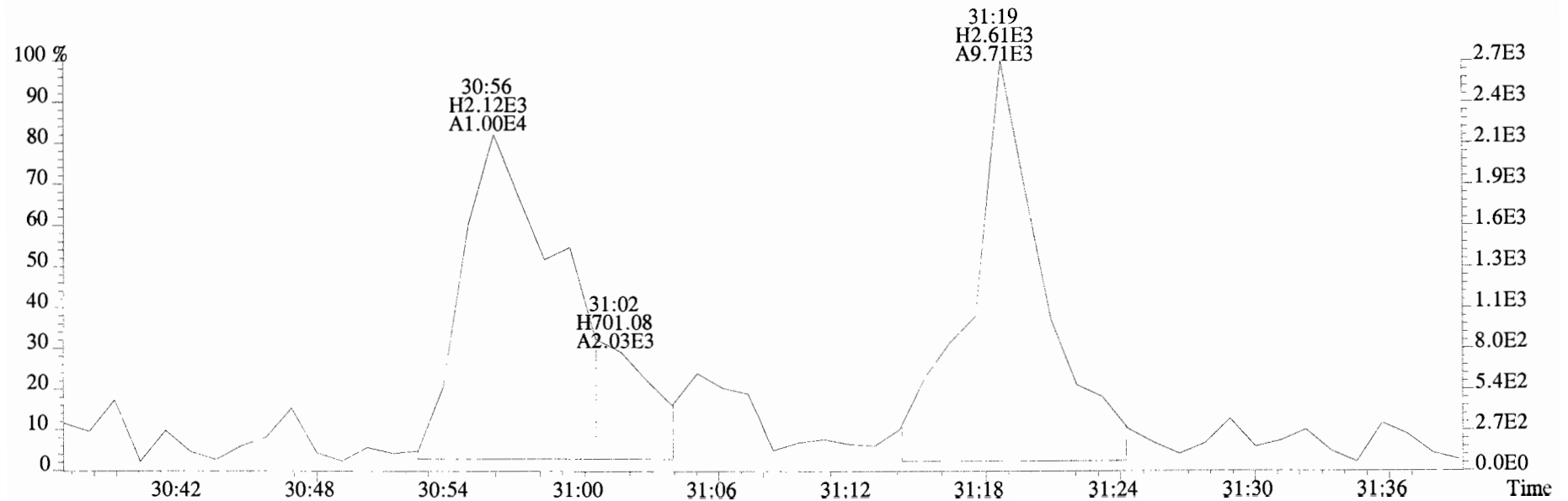
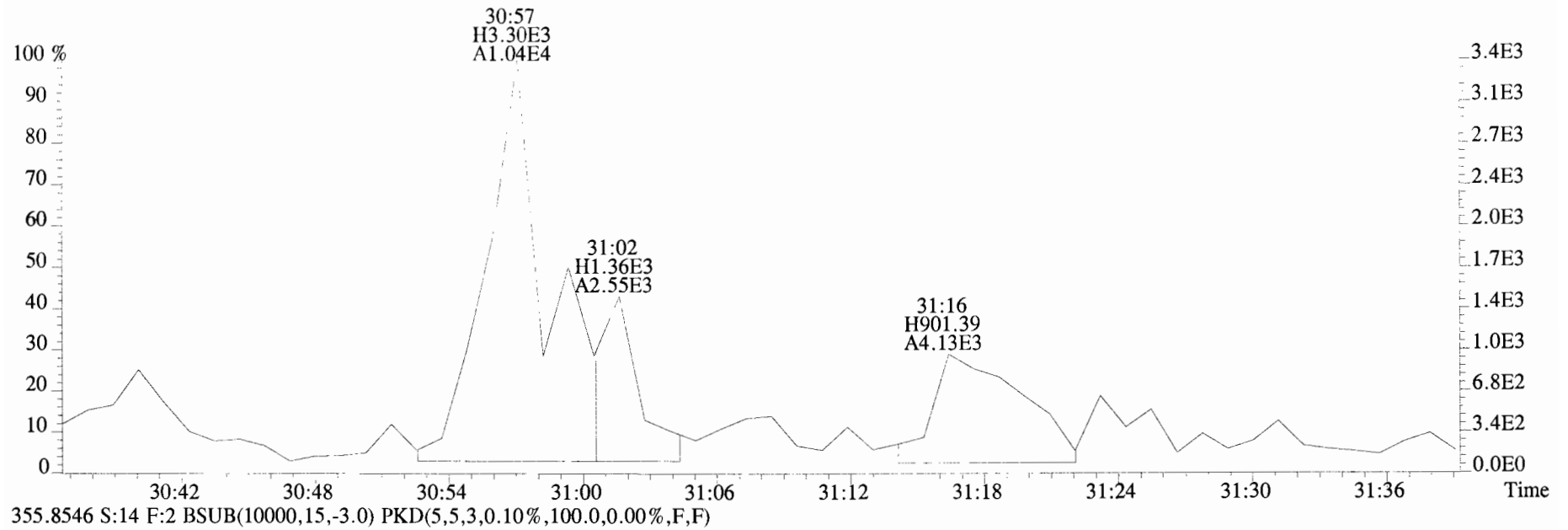
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
353.8576 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



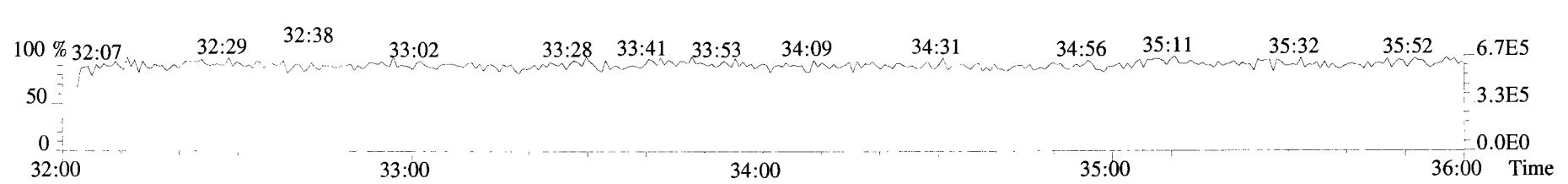
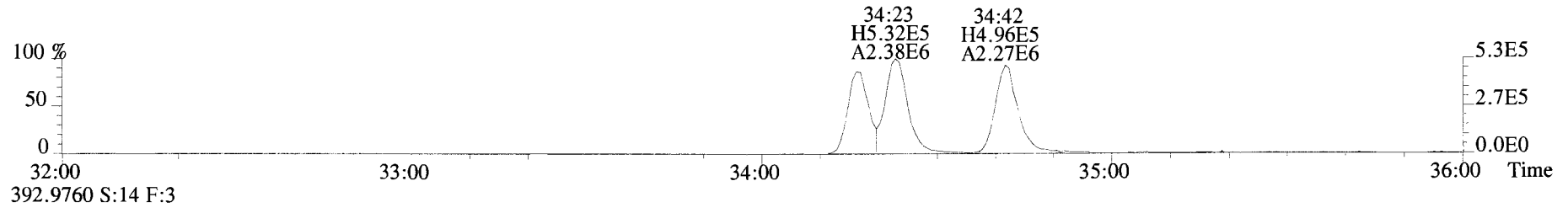
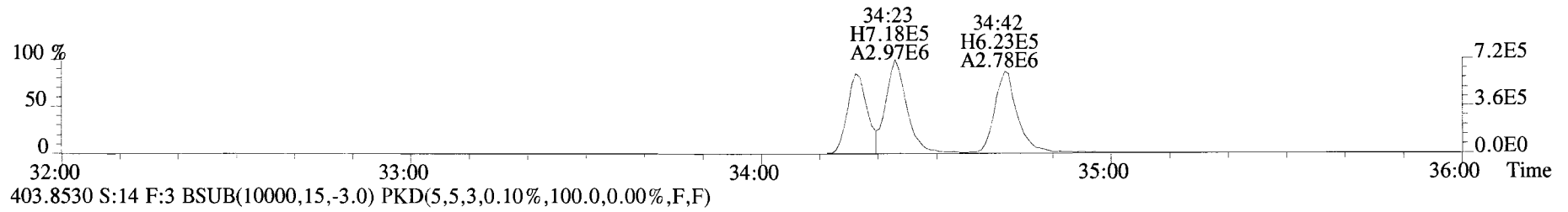
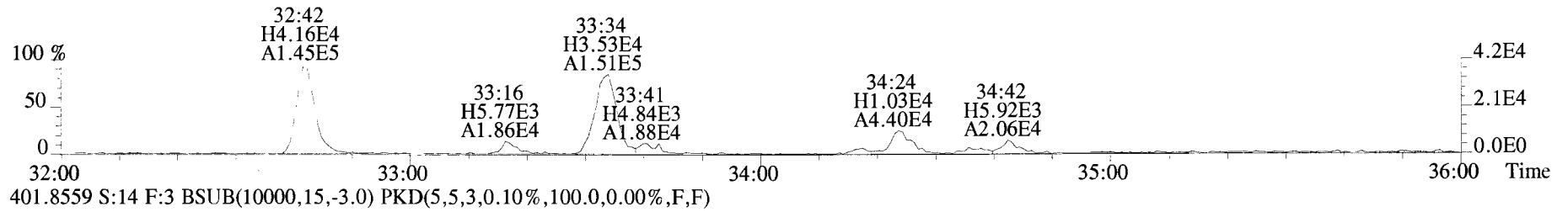
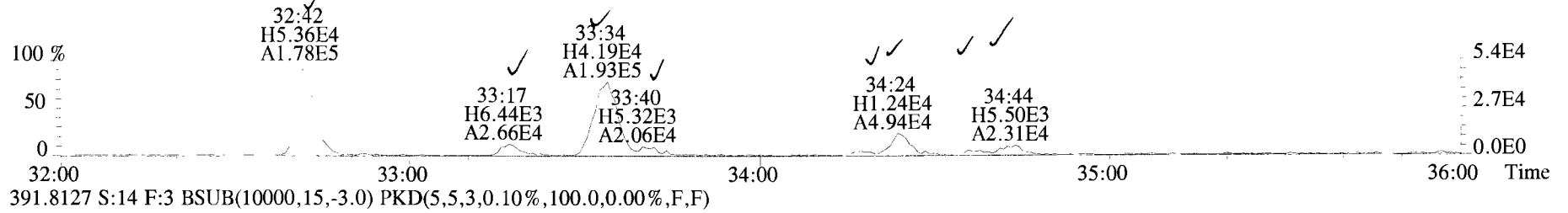
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 353.8576 S:14 F:2 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



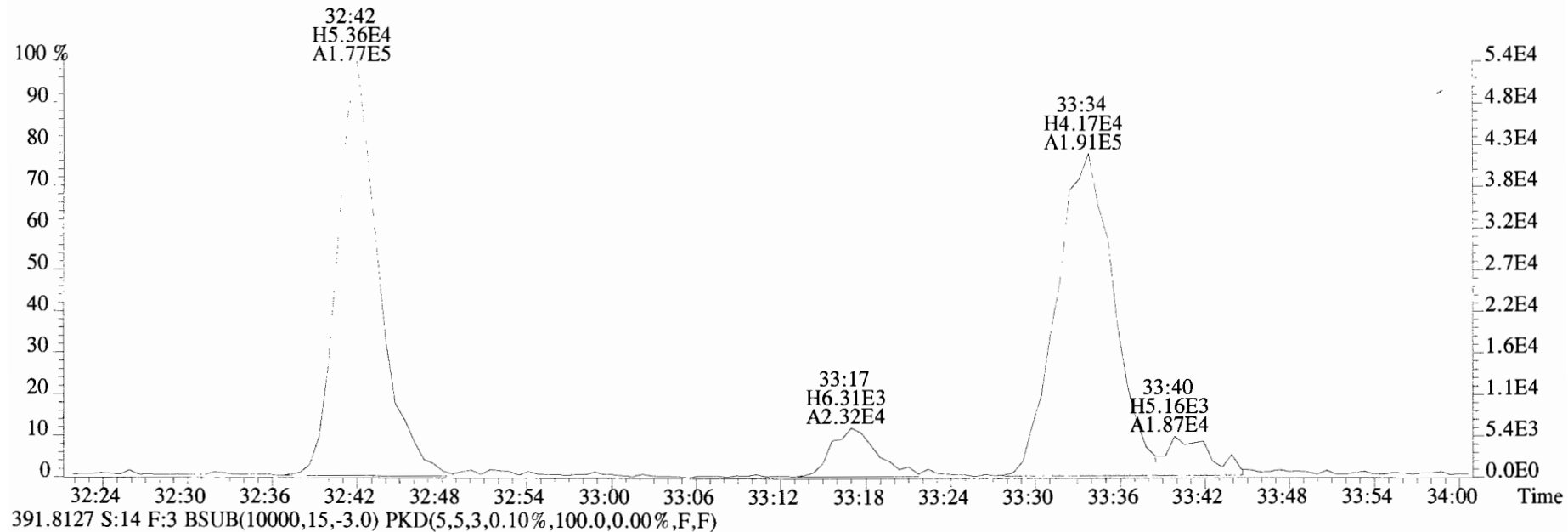
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 353.8576 S:14 F:2 BSUB(T0000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



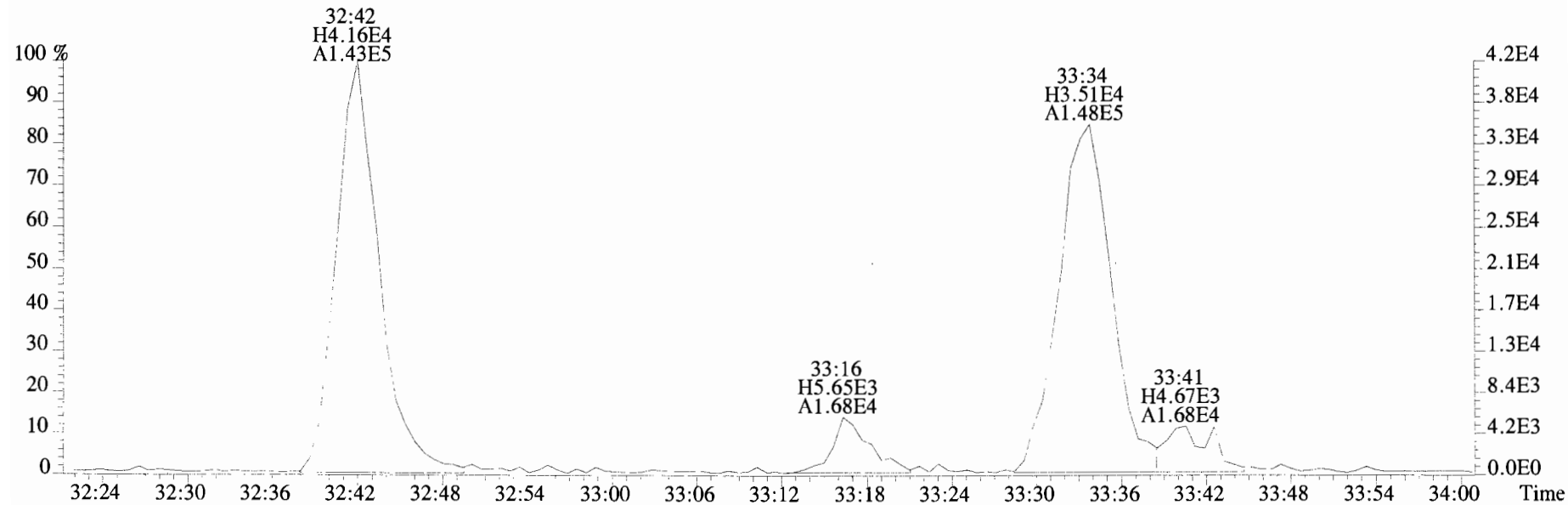
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
389.8156 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



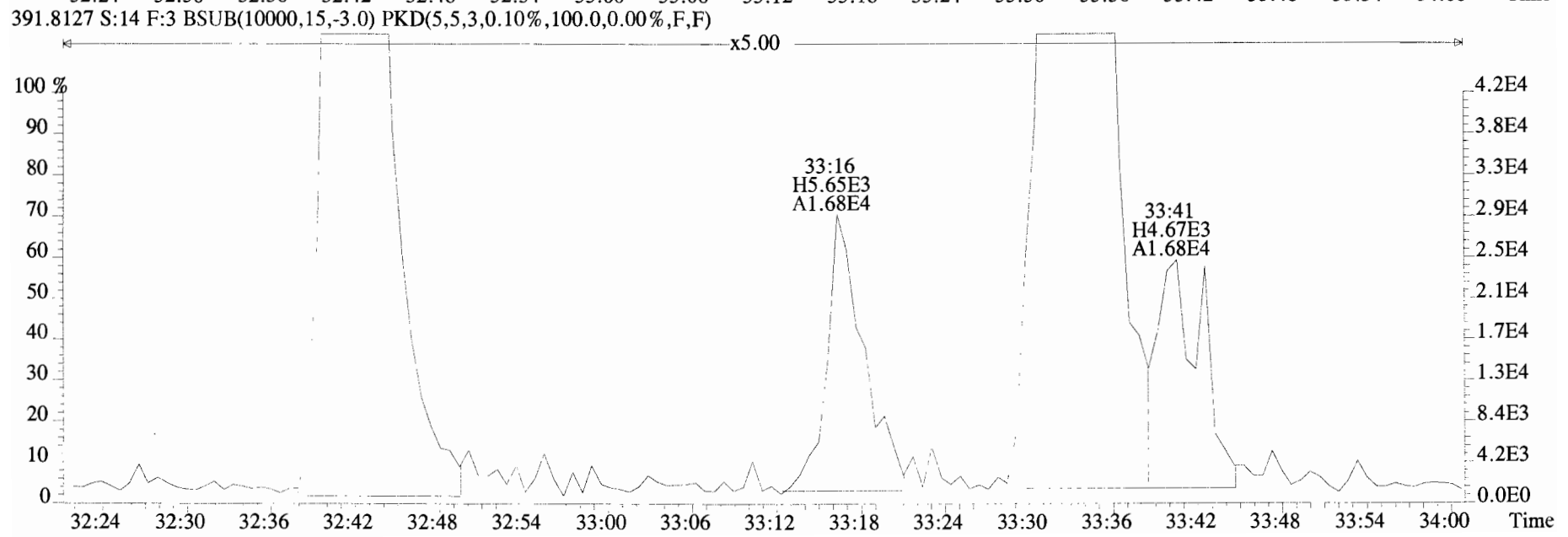
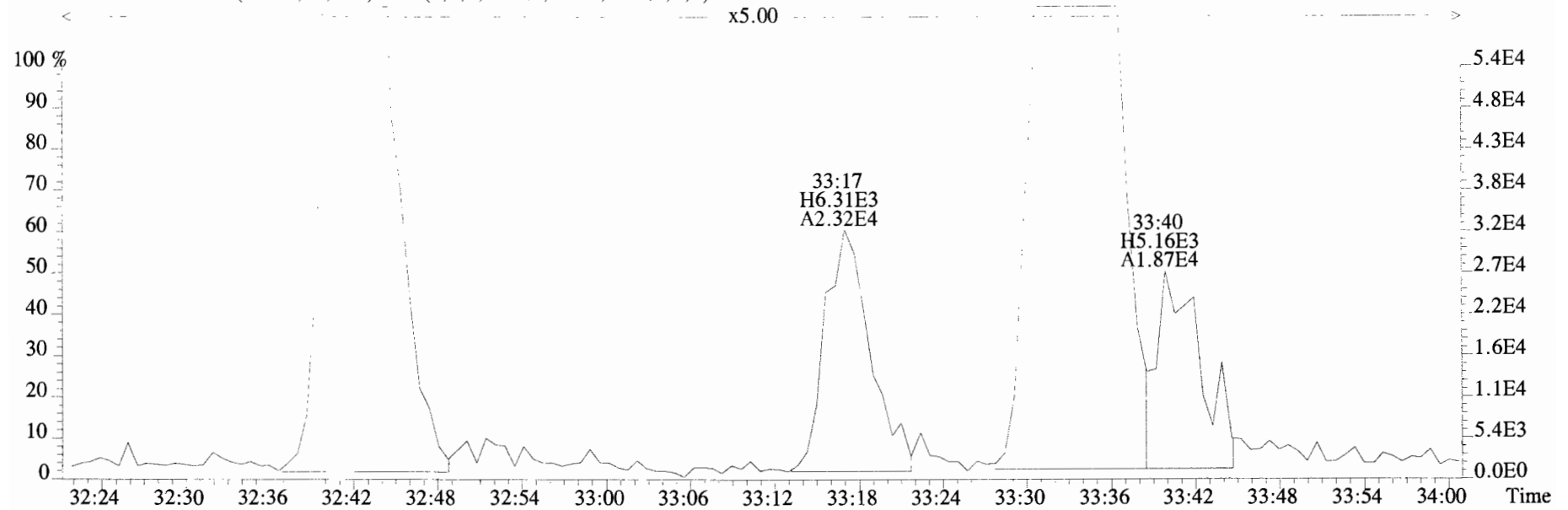
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
389.8156 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



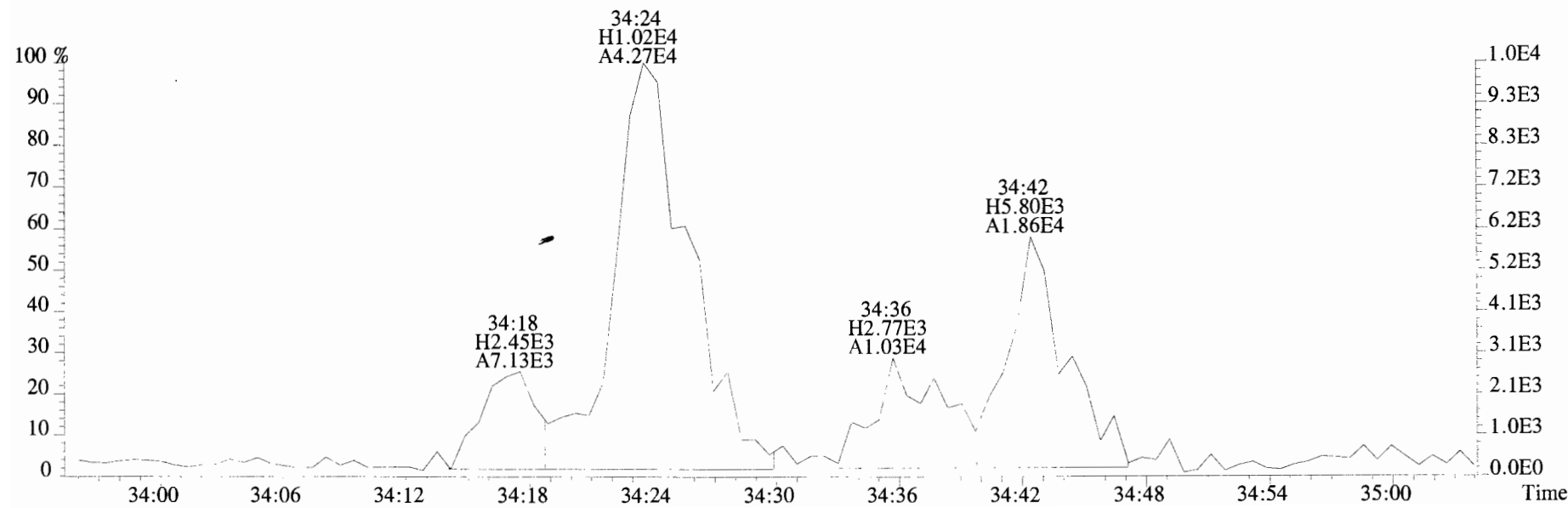
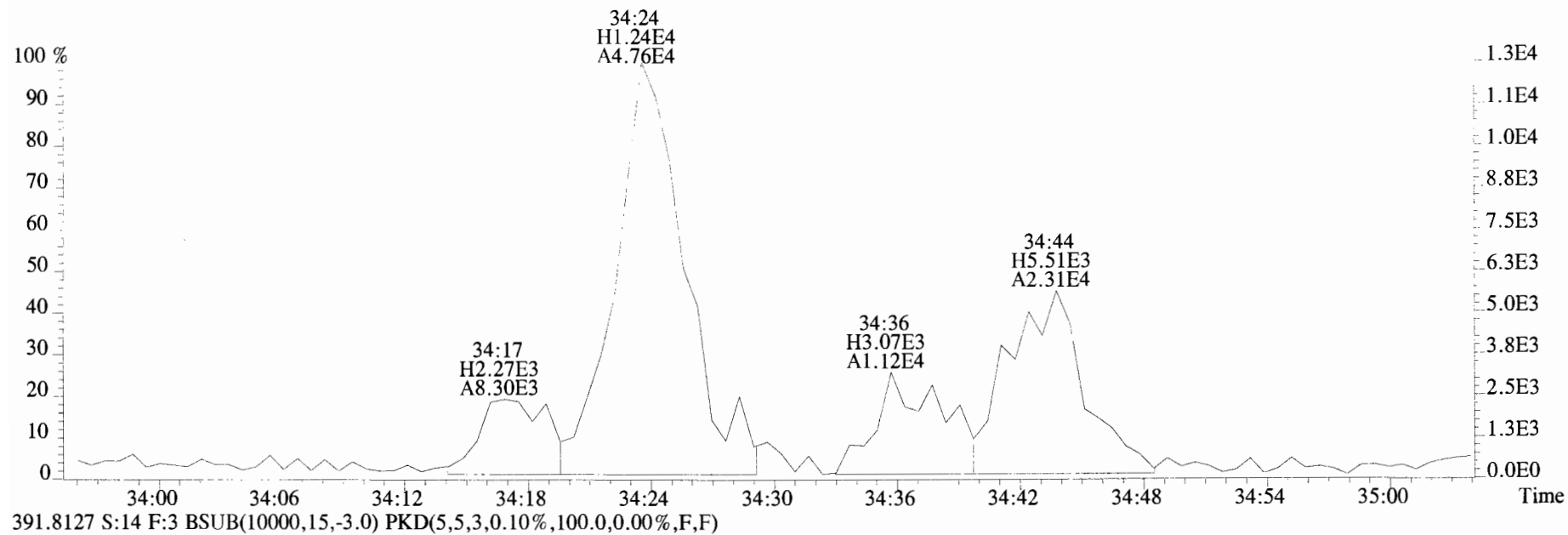
391.8127 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



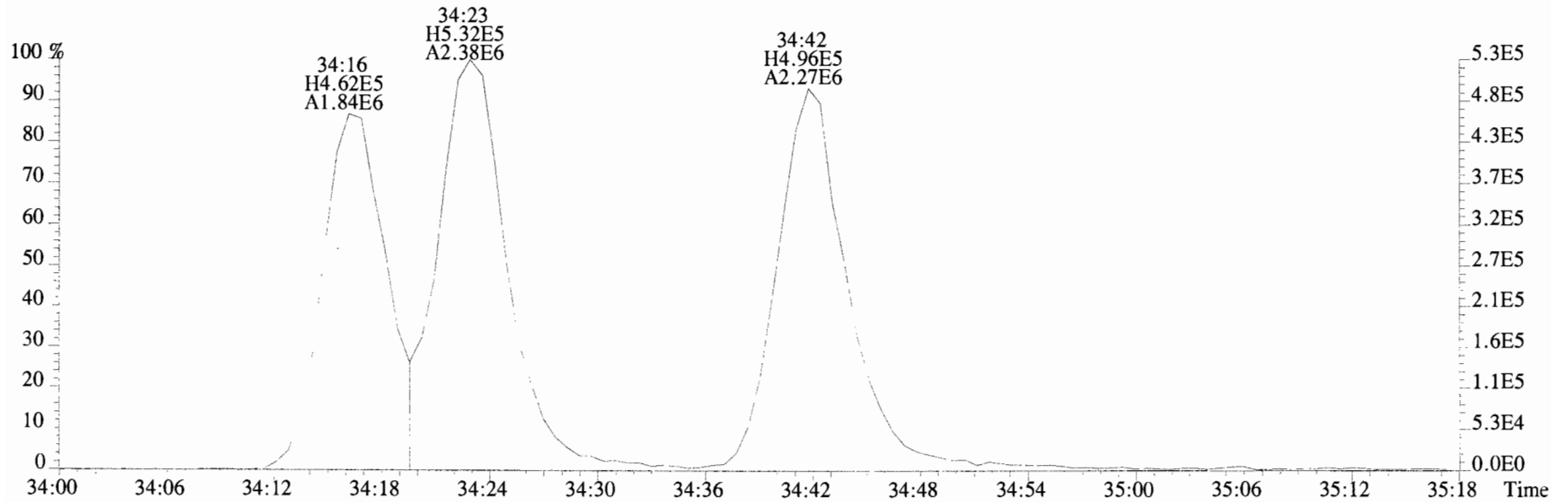
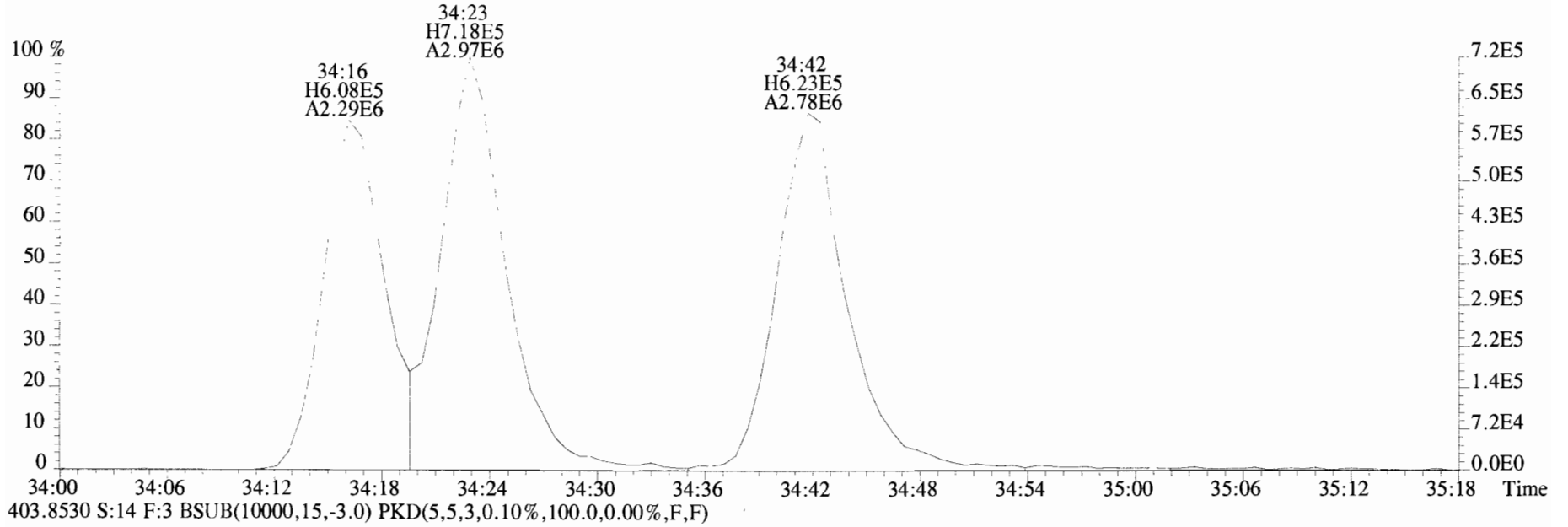
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
389.8156 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



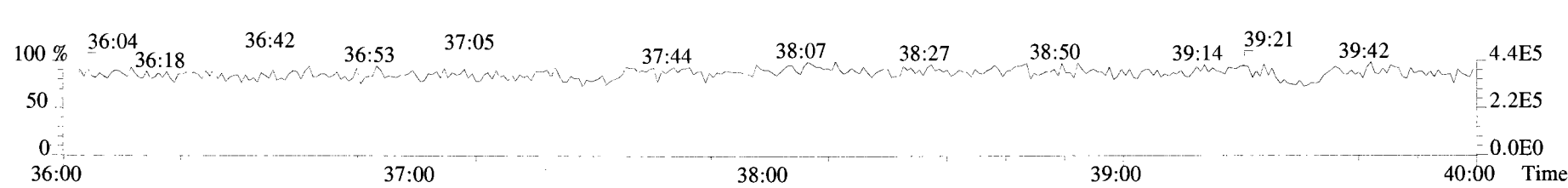
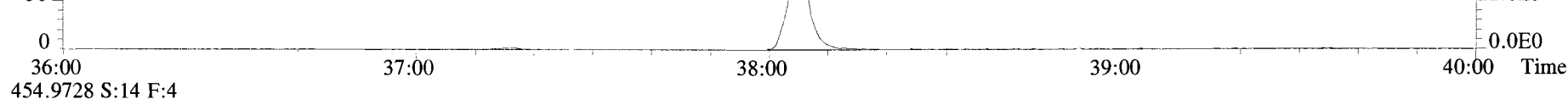
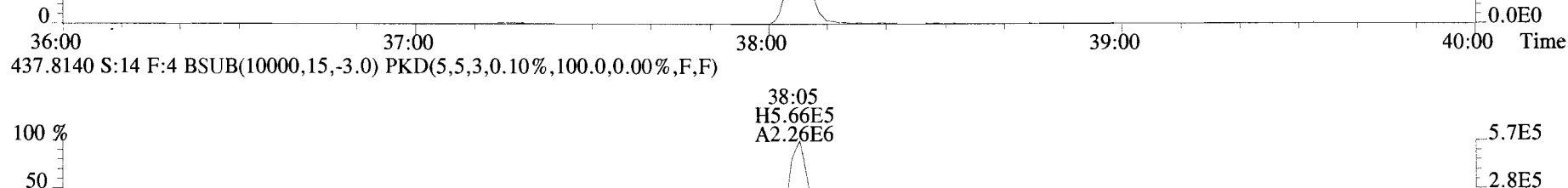
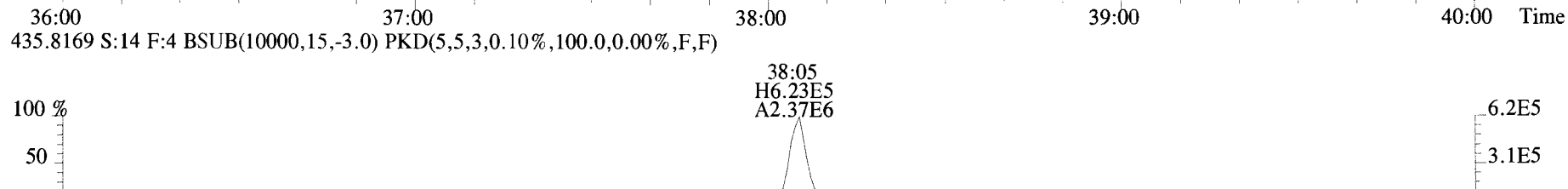
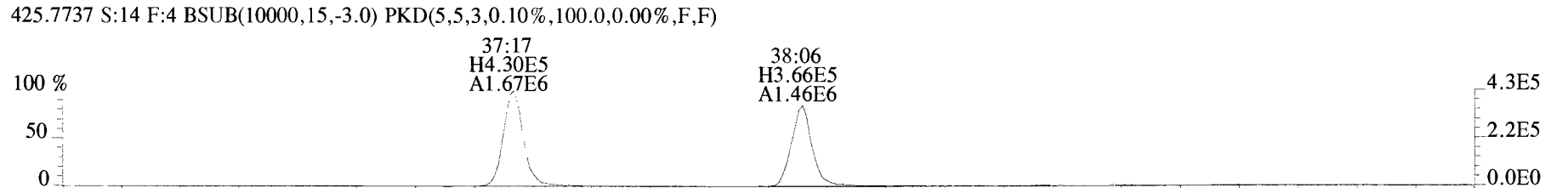
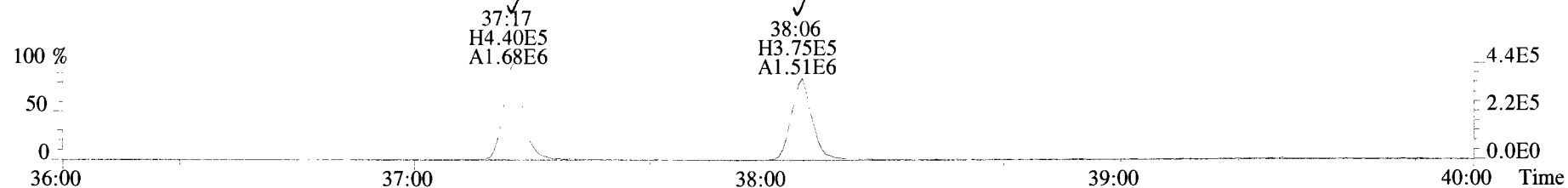
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
389.8156 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



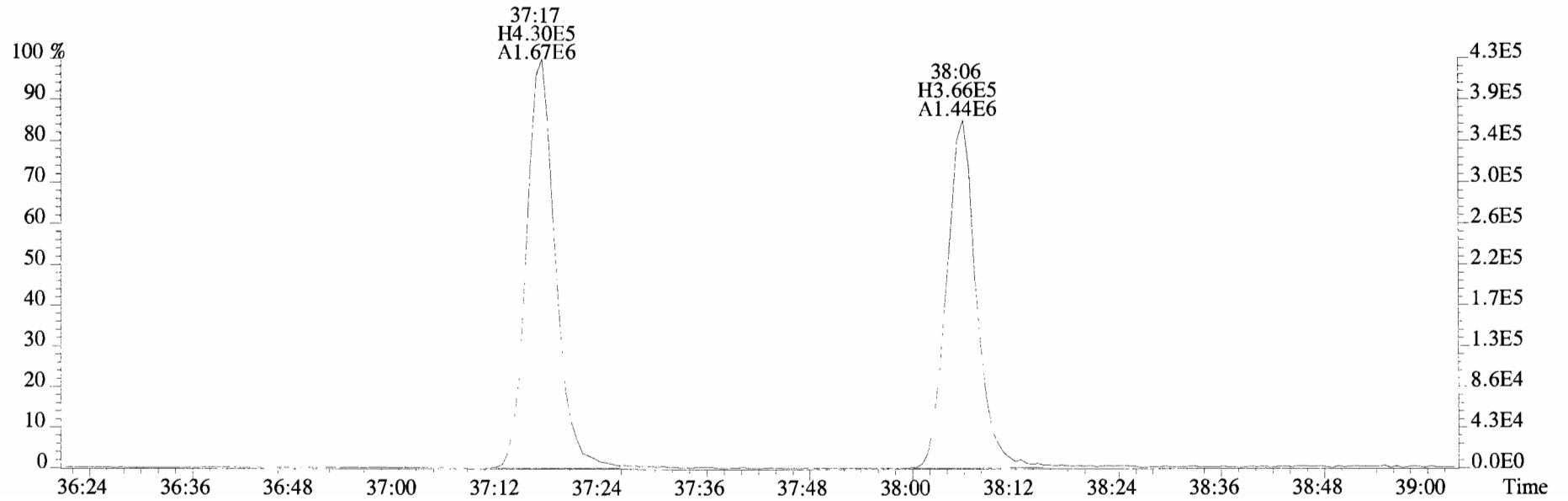
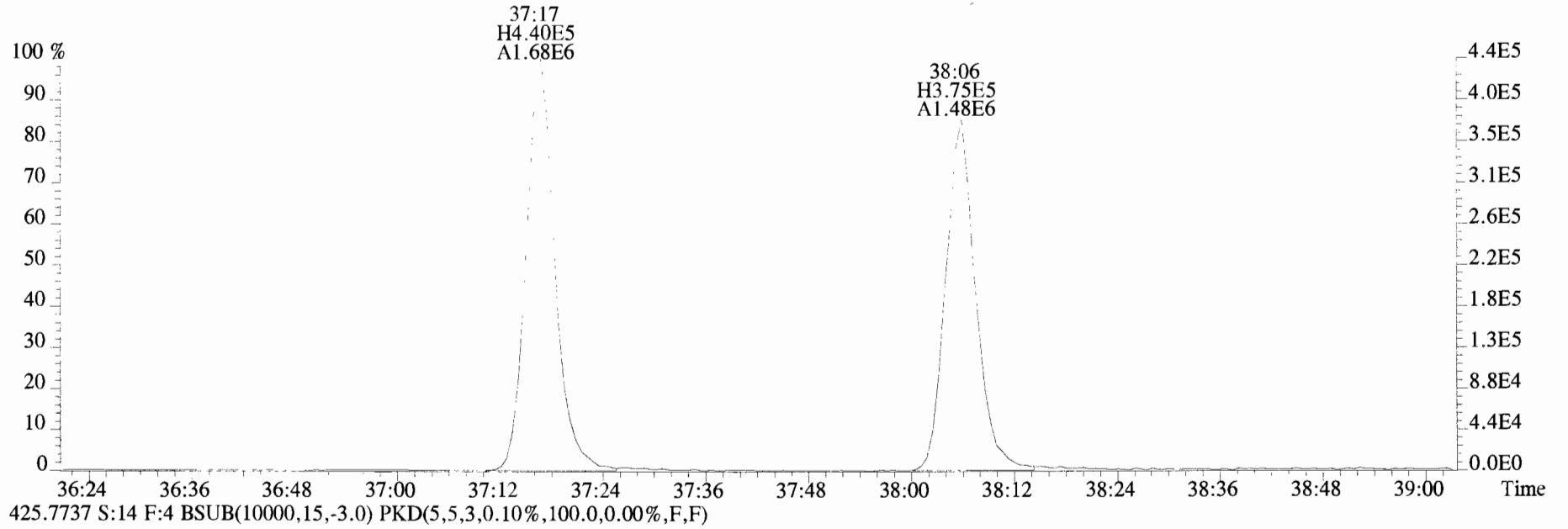
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
401.8559 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



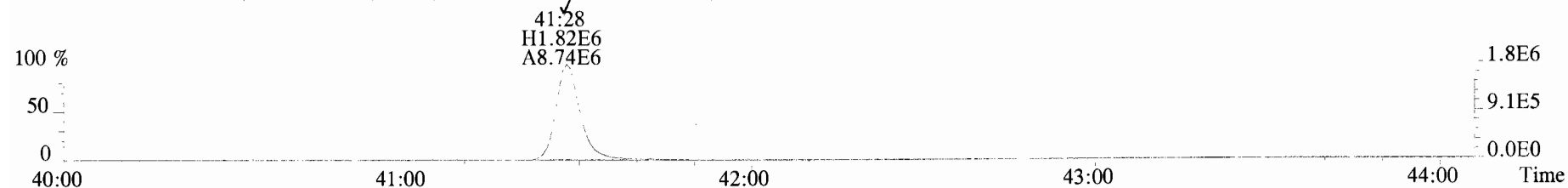
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
423.7767 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



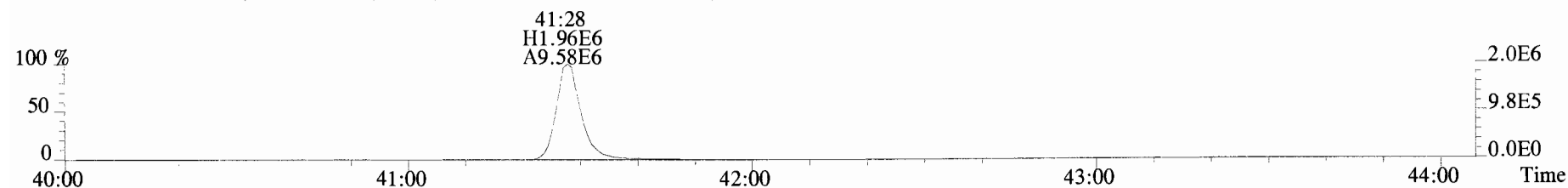
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
423.7767 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



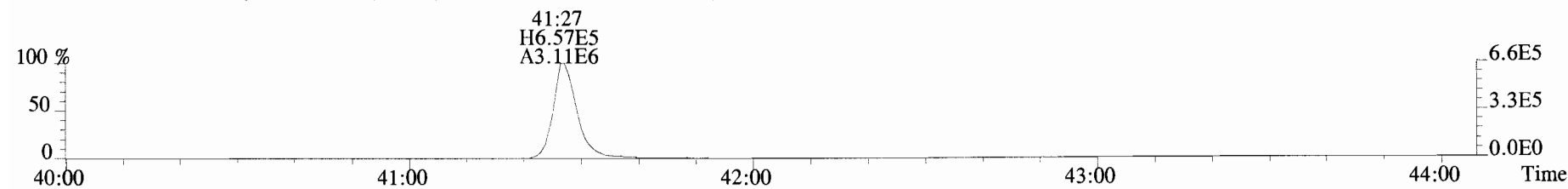
File:191009D1 #1-432 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
457.7377 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



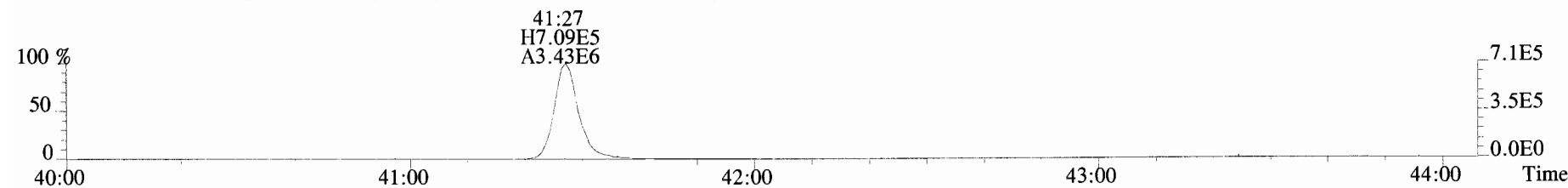
459.7348 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



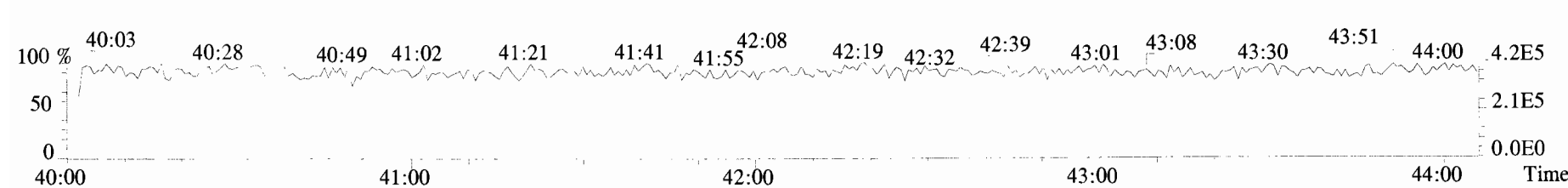
469.7780 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



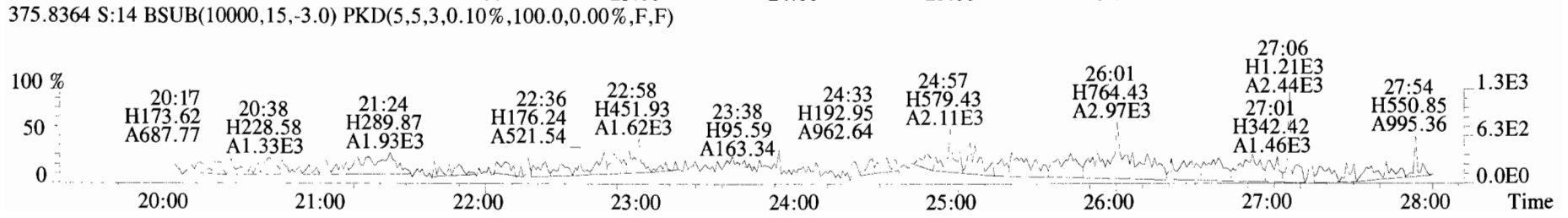
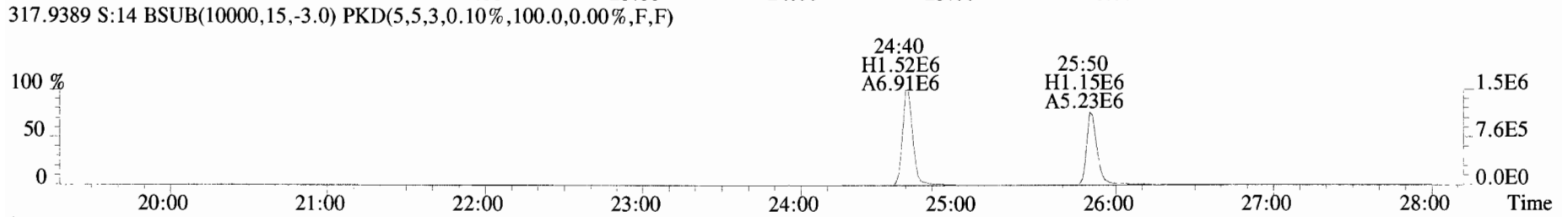
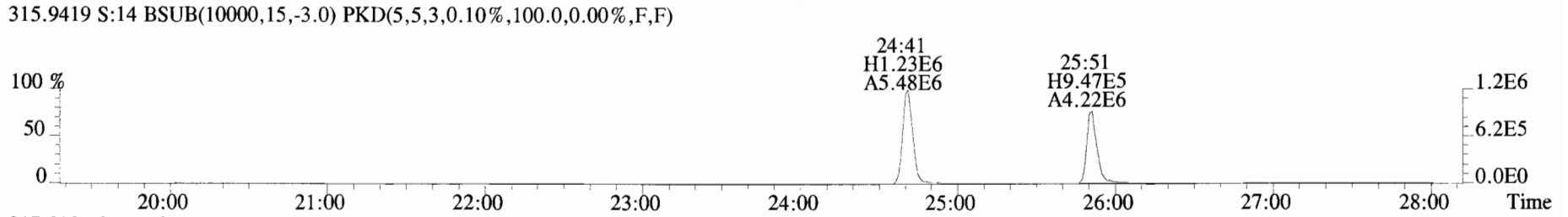
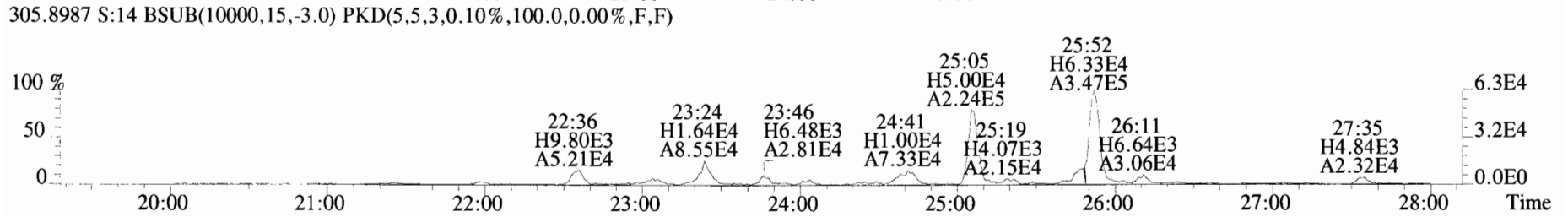
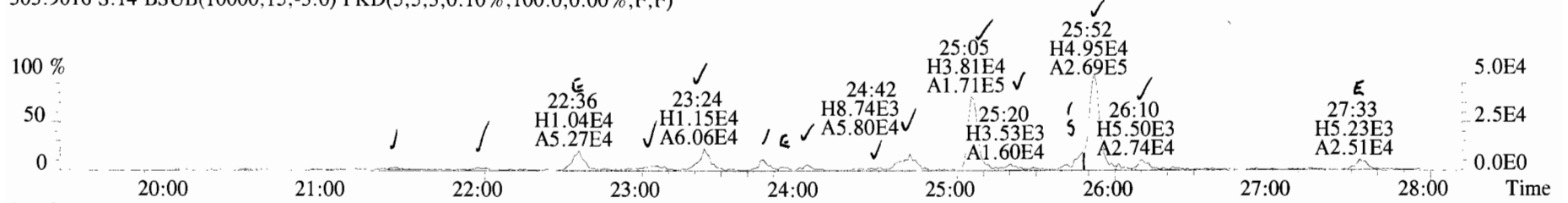
471.7750 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



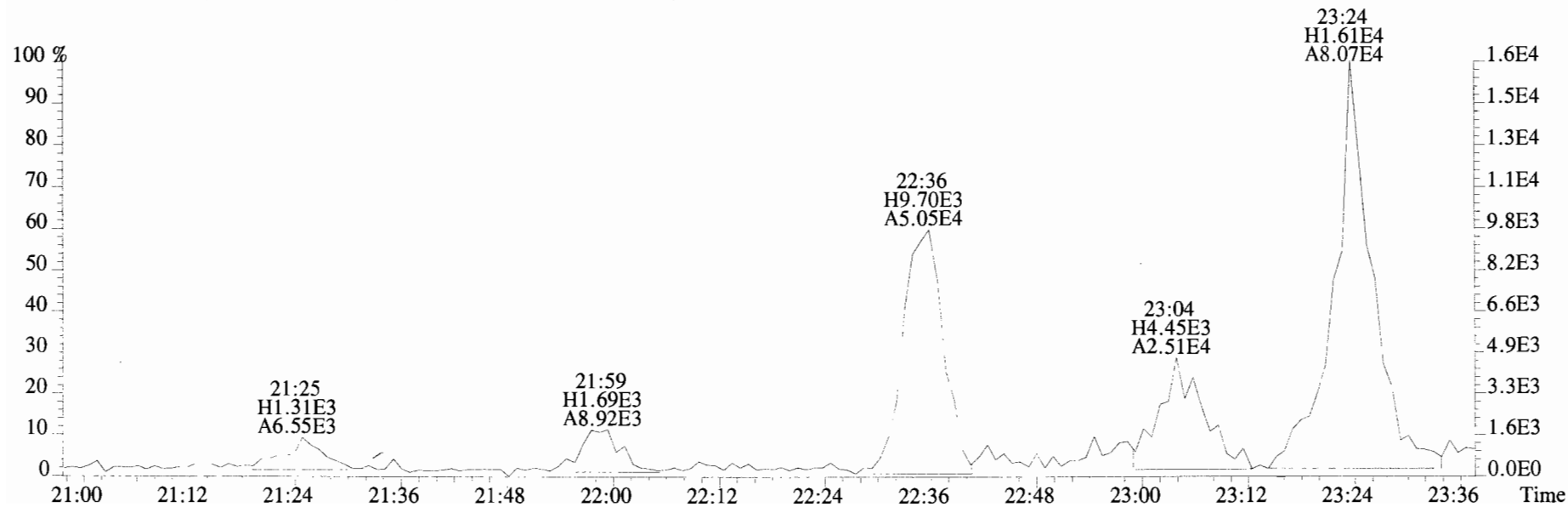
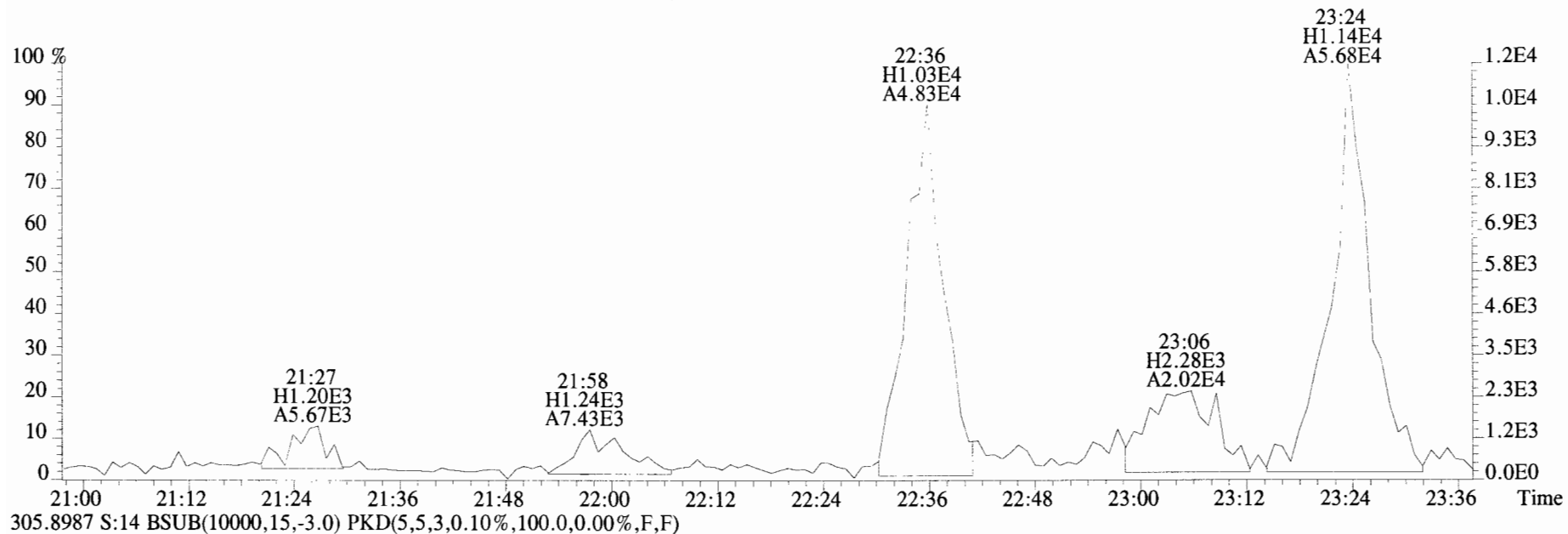
454.9728 S:14 F:5



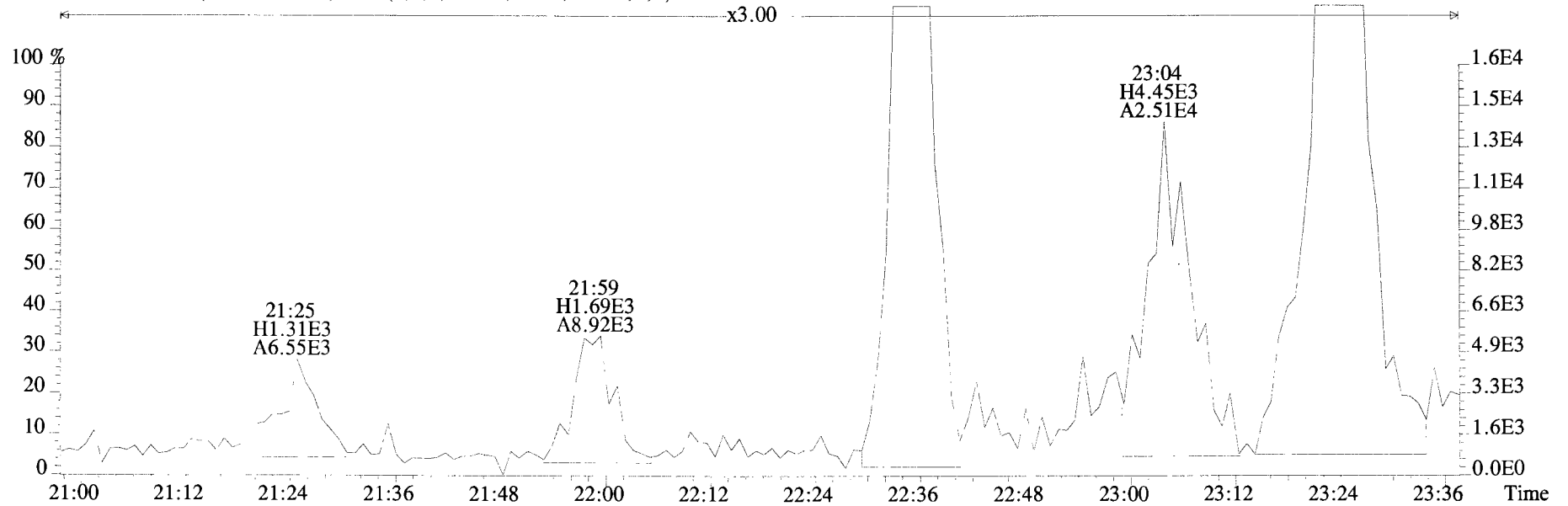
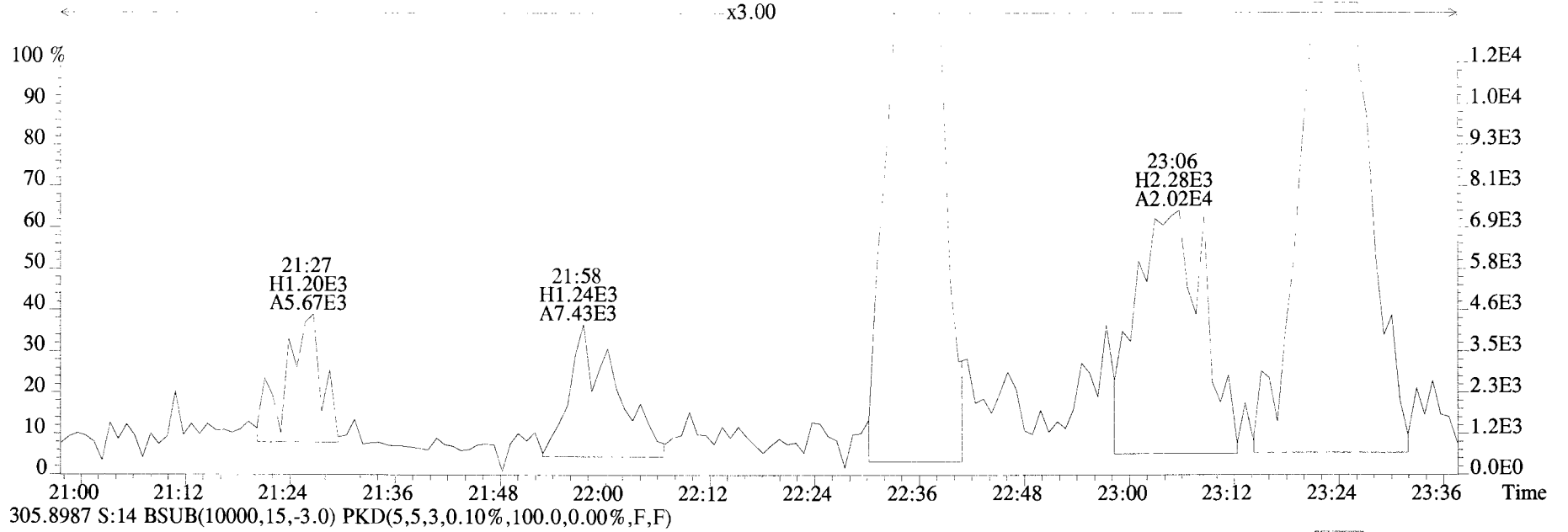
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



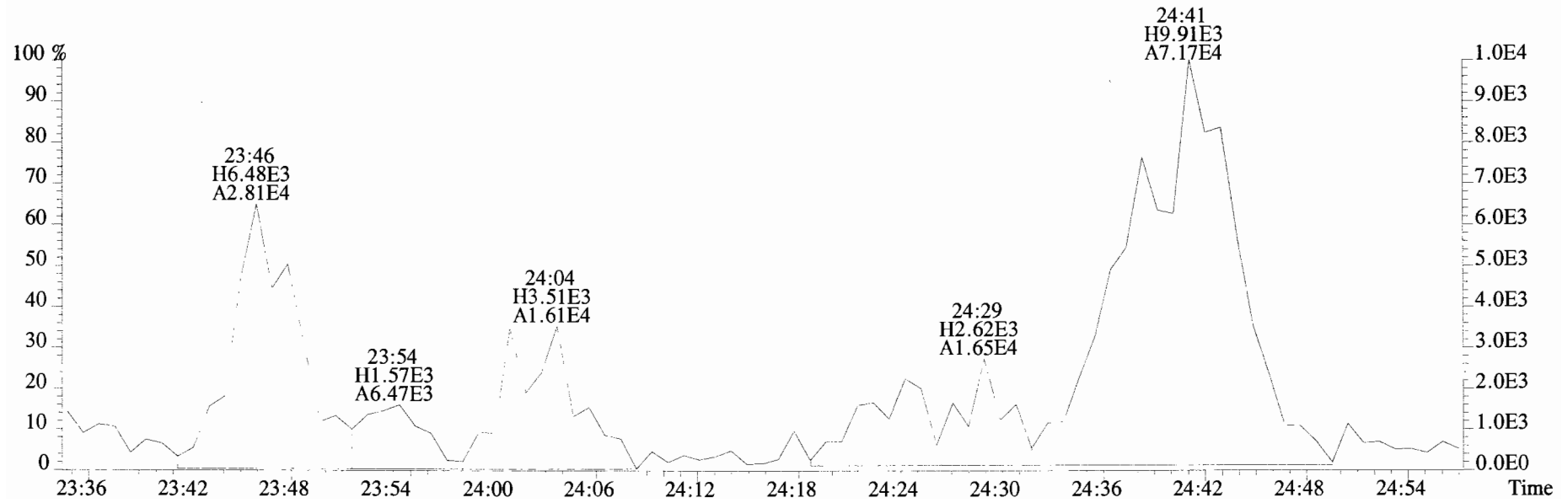
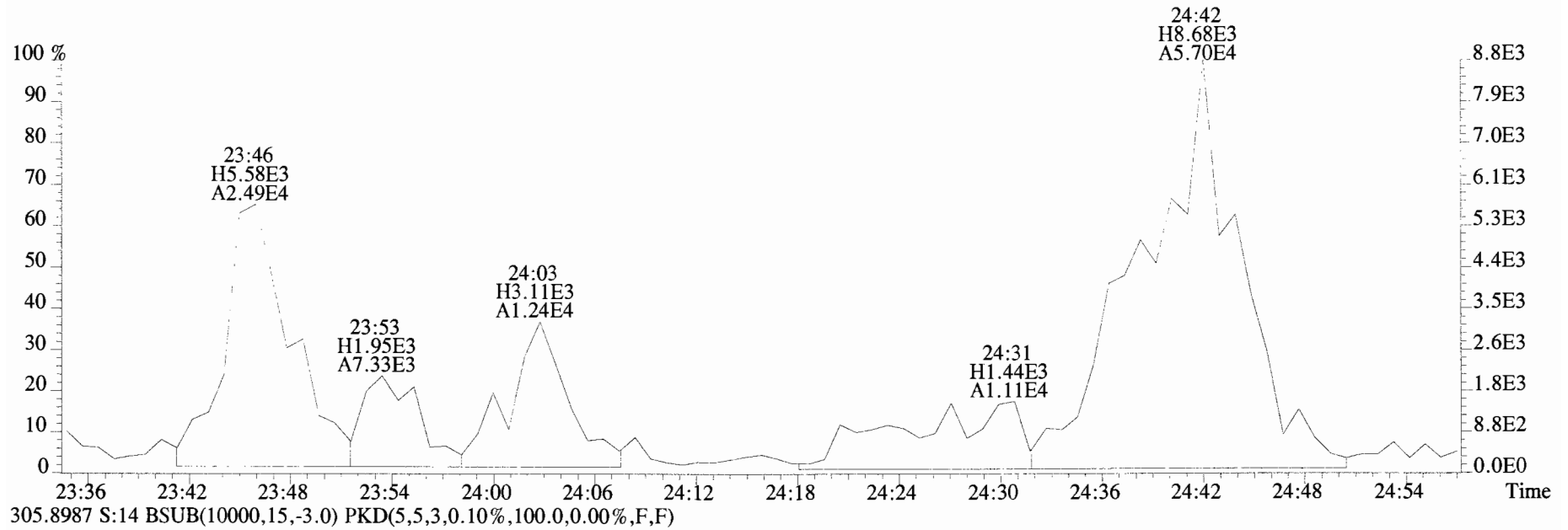
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



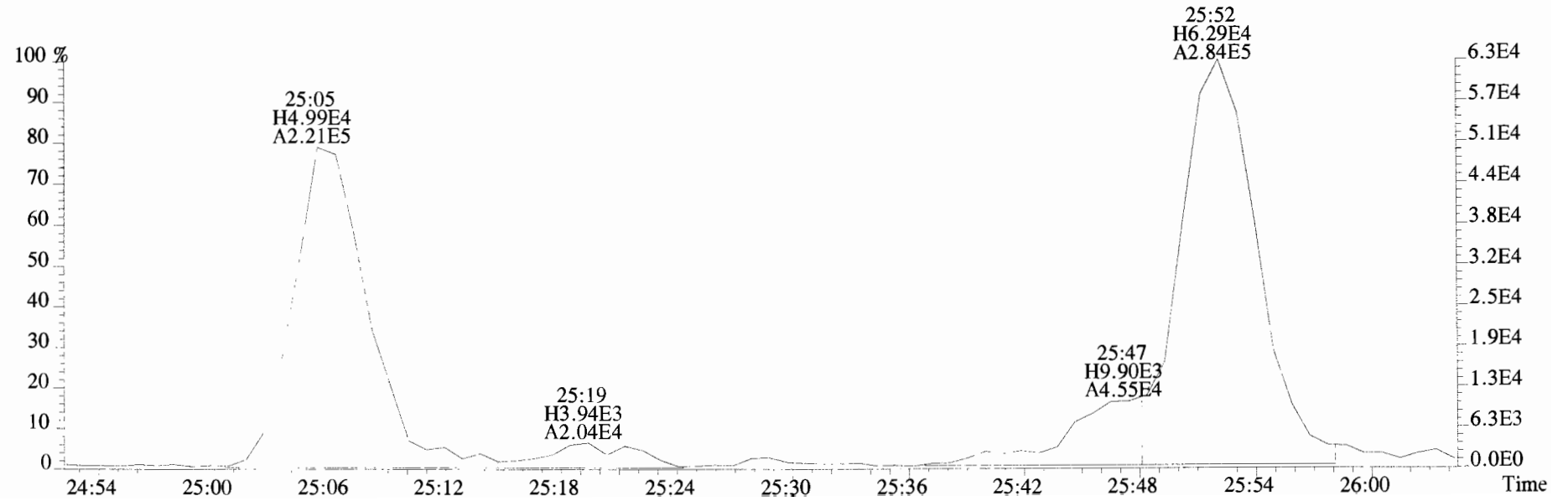
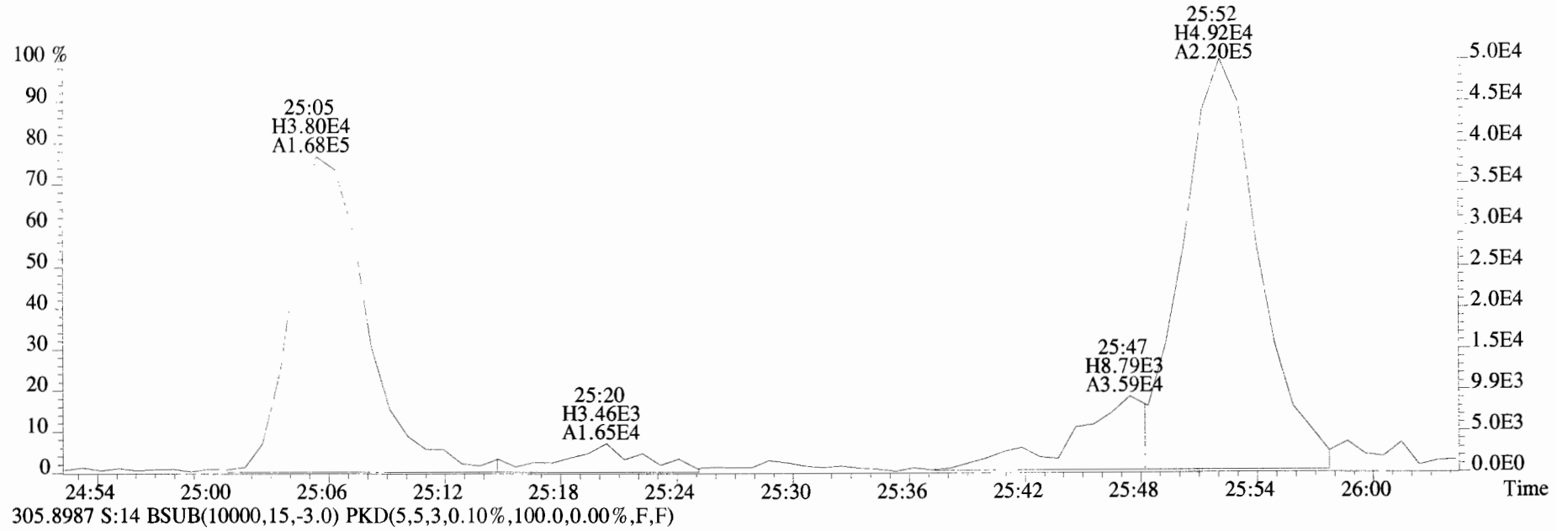
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



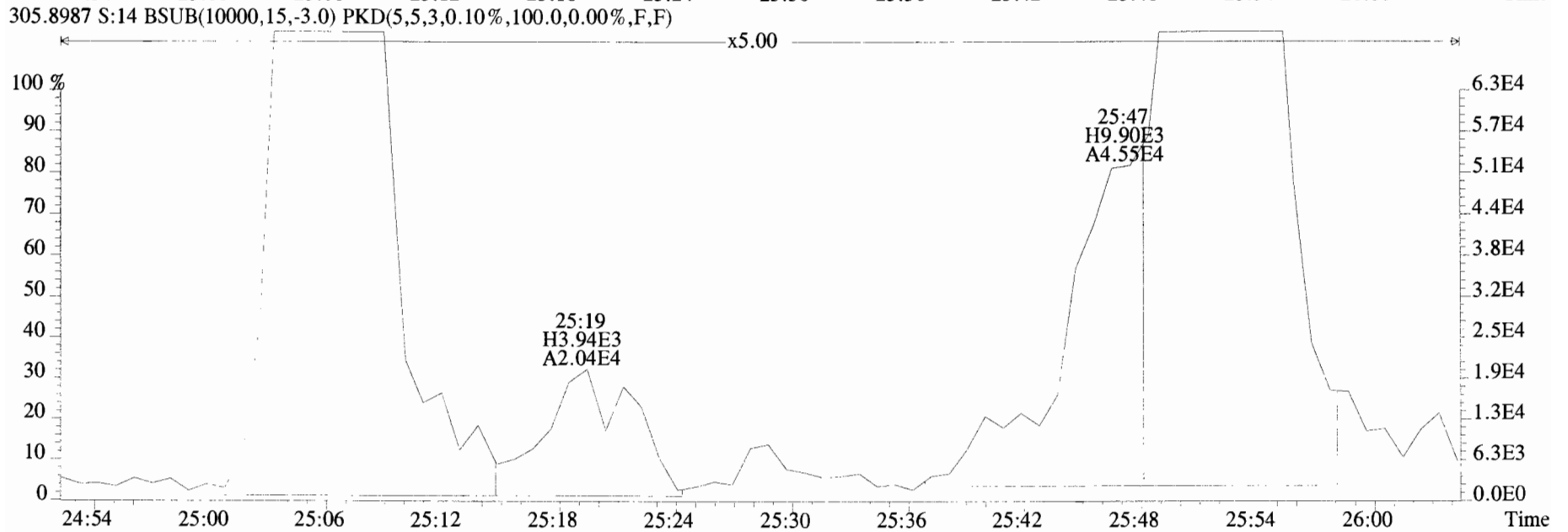
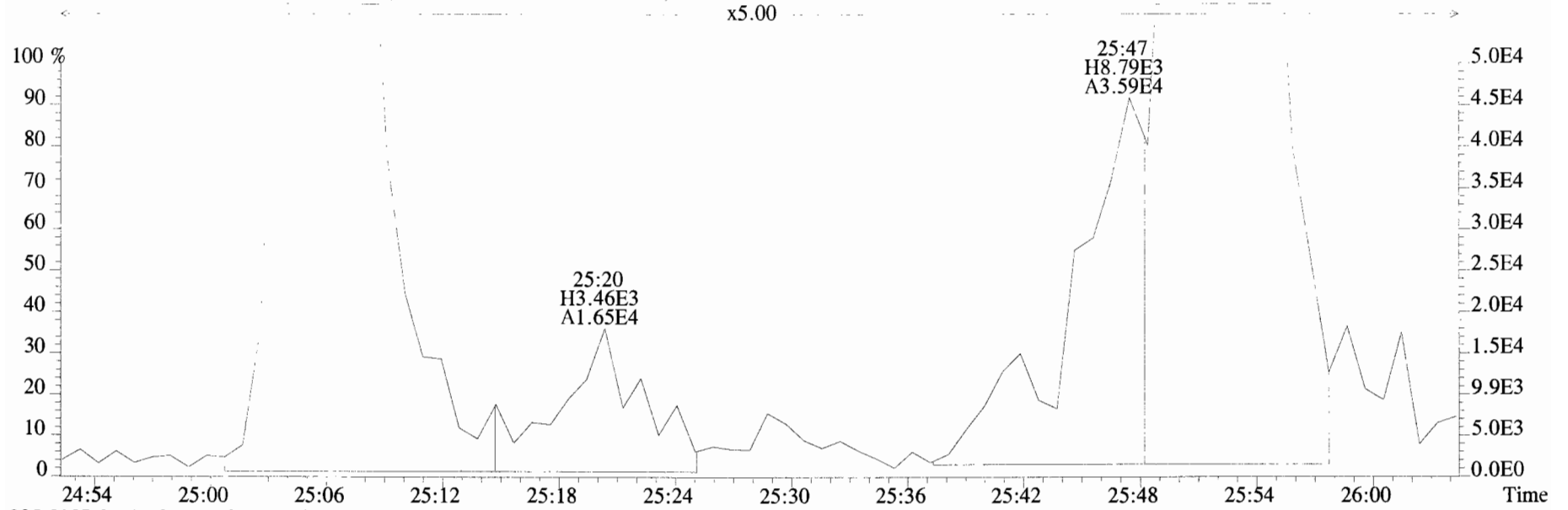
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



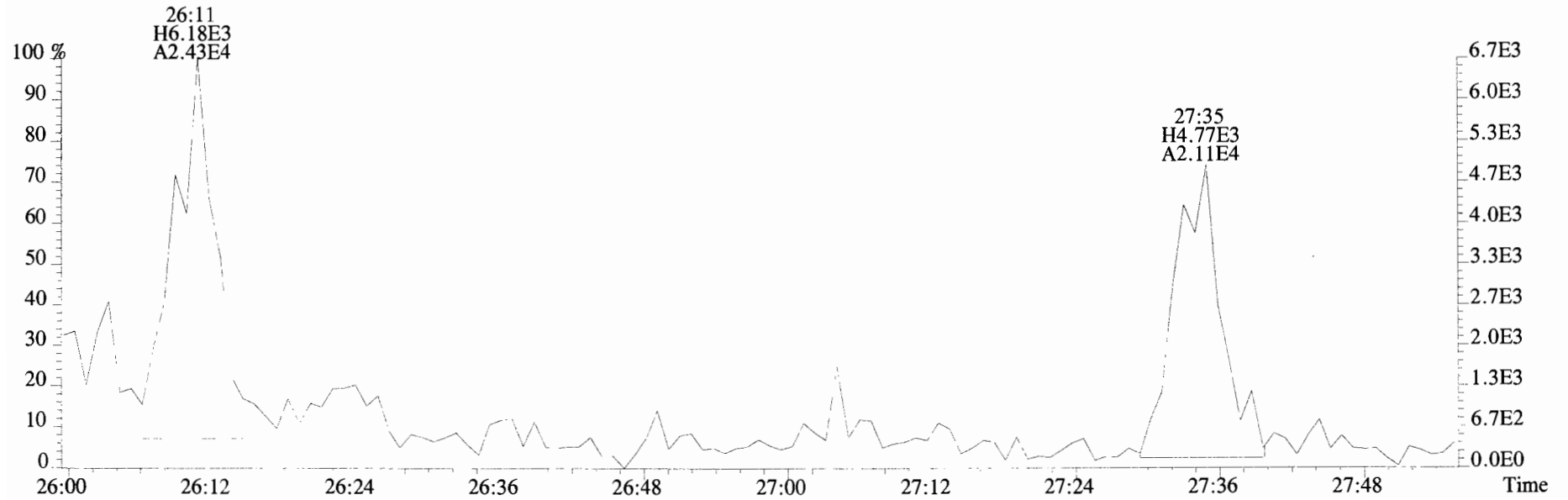
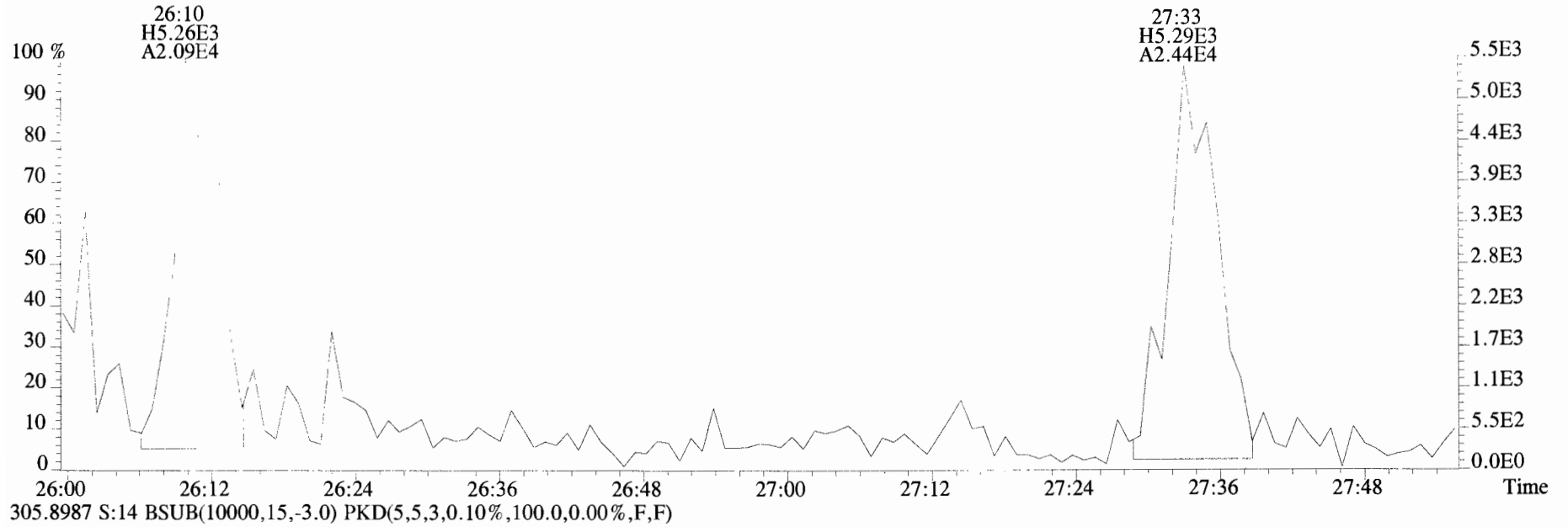
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



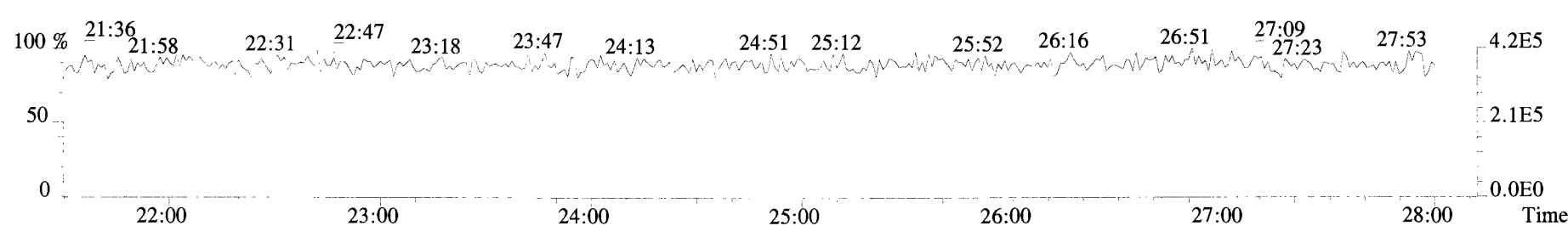
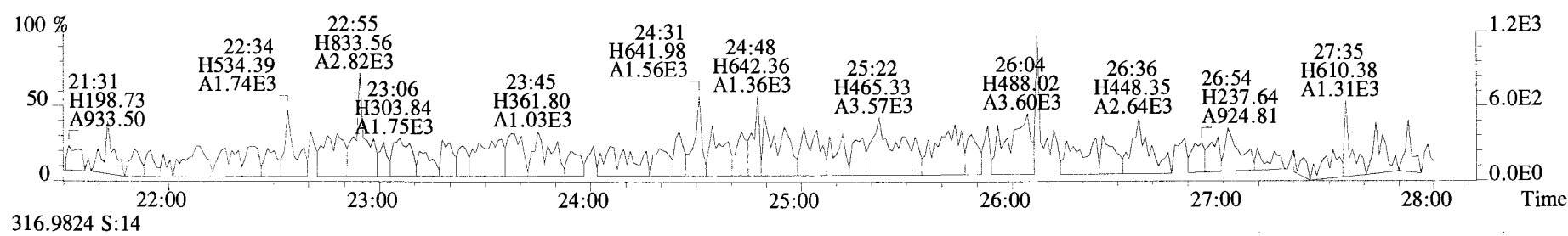
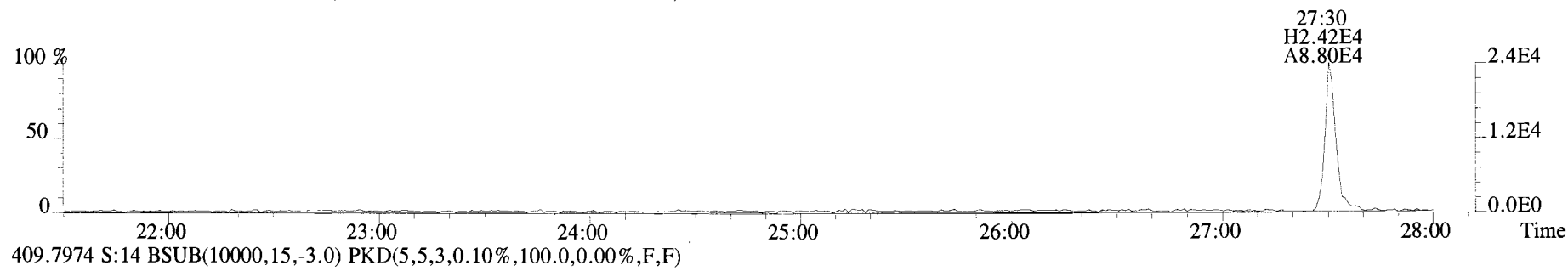
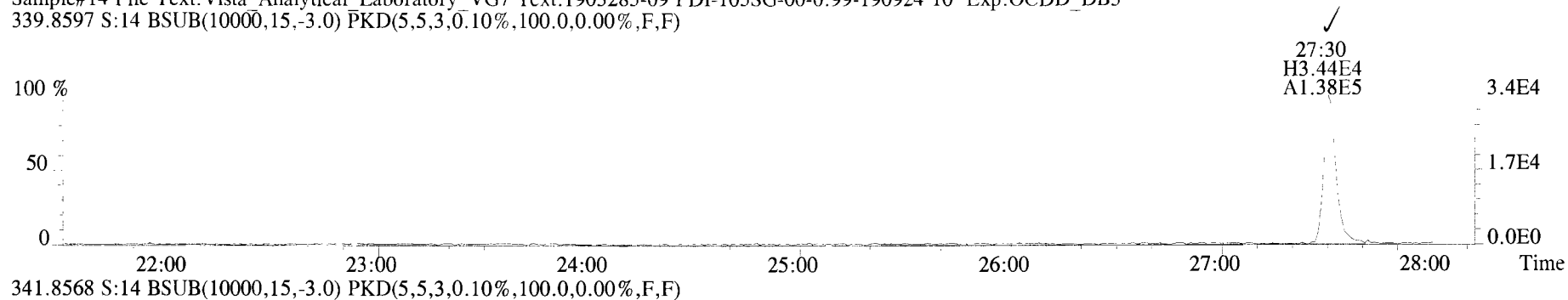
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



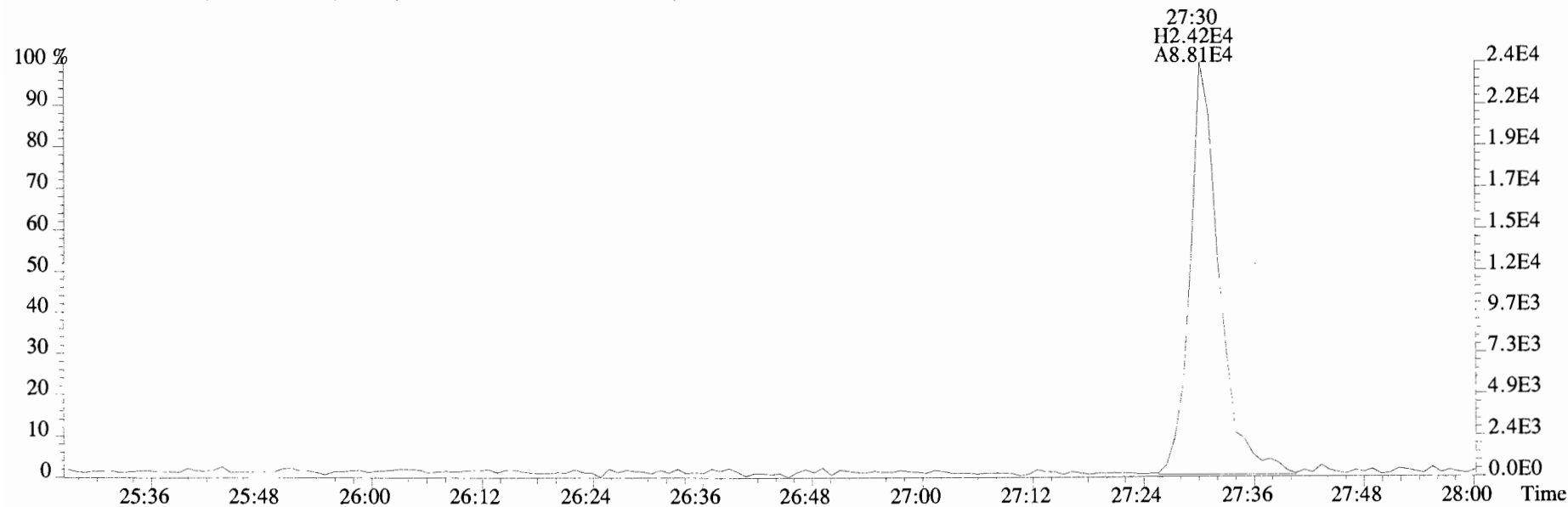
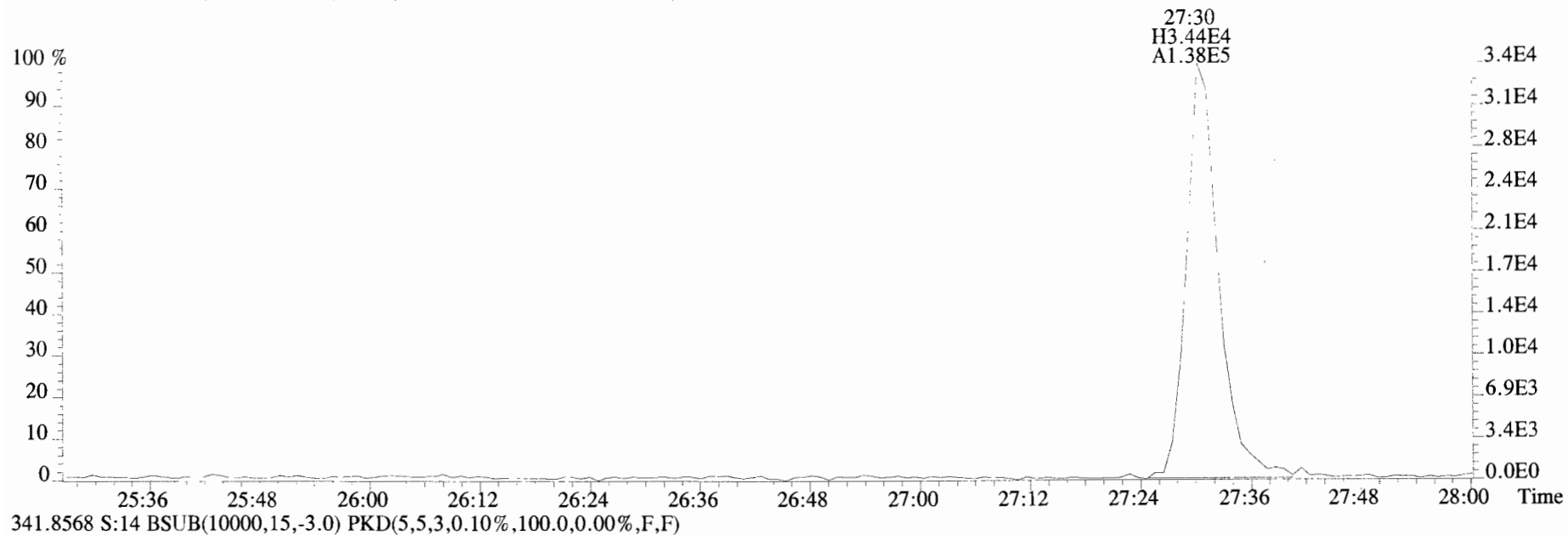
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
303.9016 S:14 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



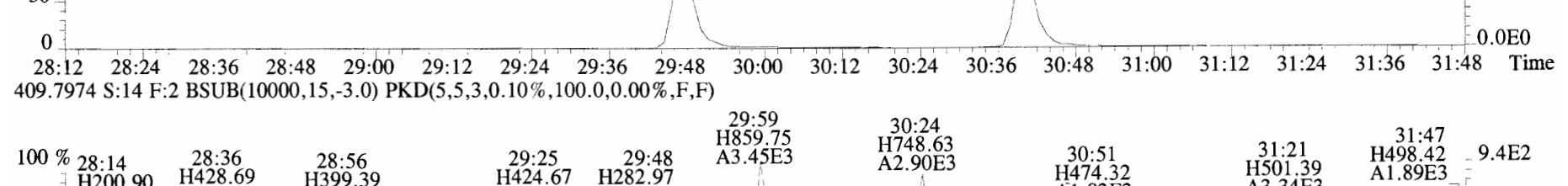
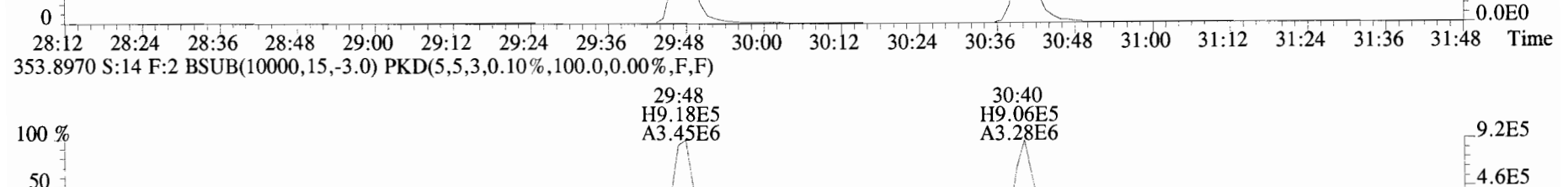
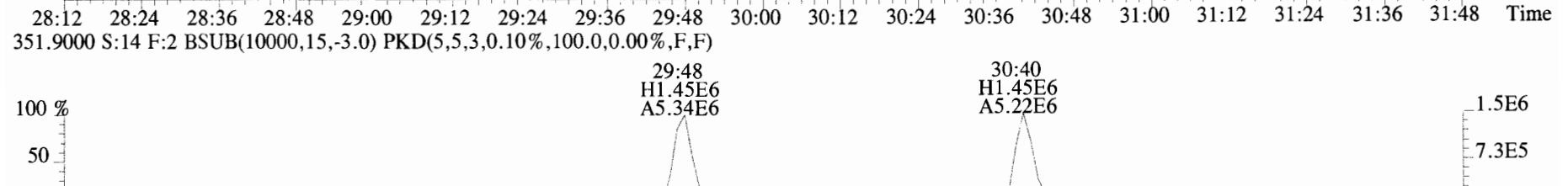
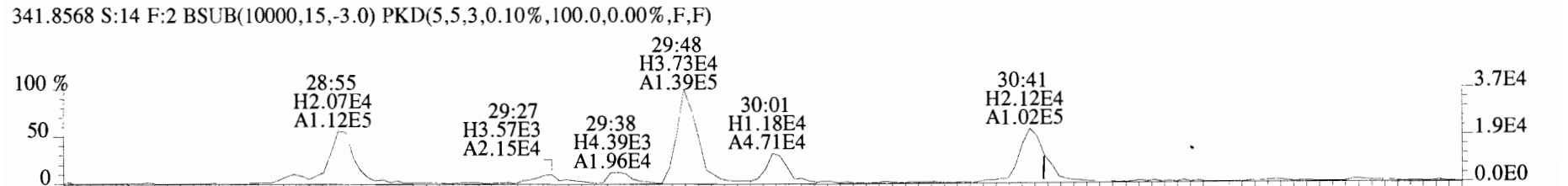
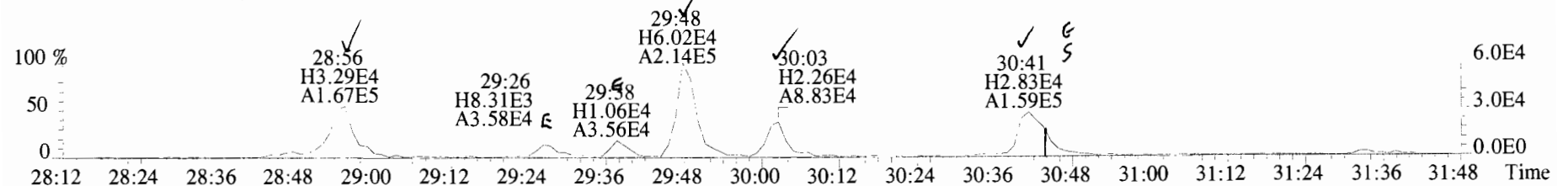
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 339.8597 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



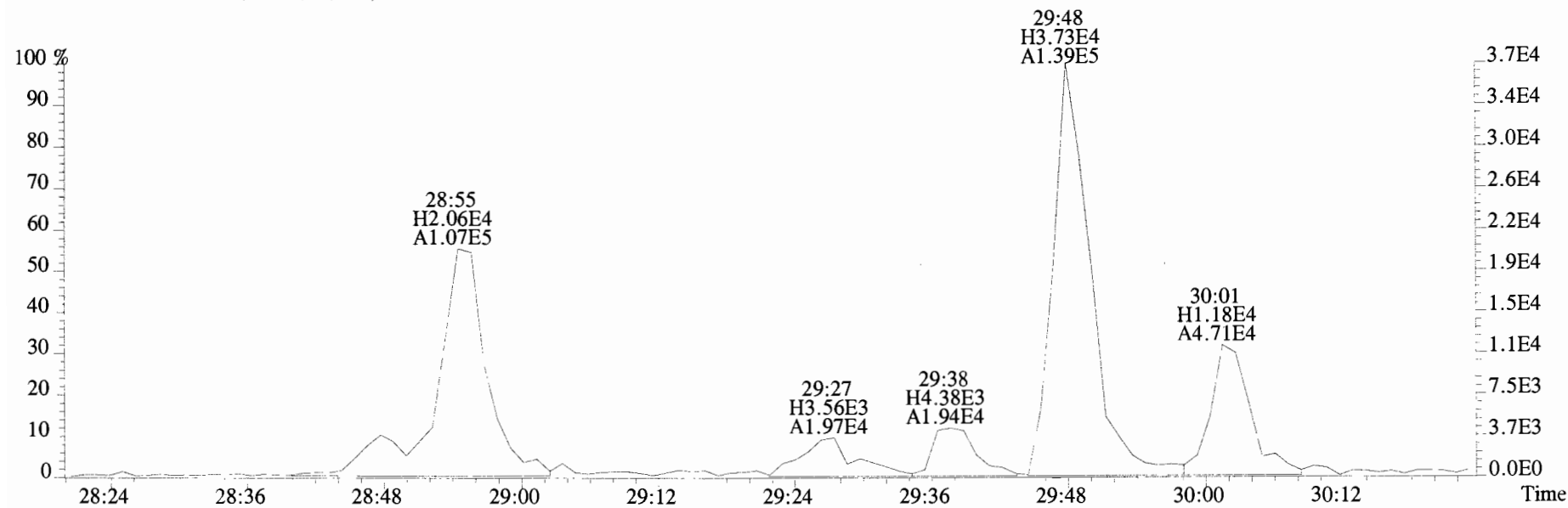
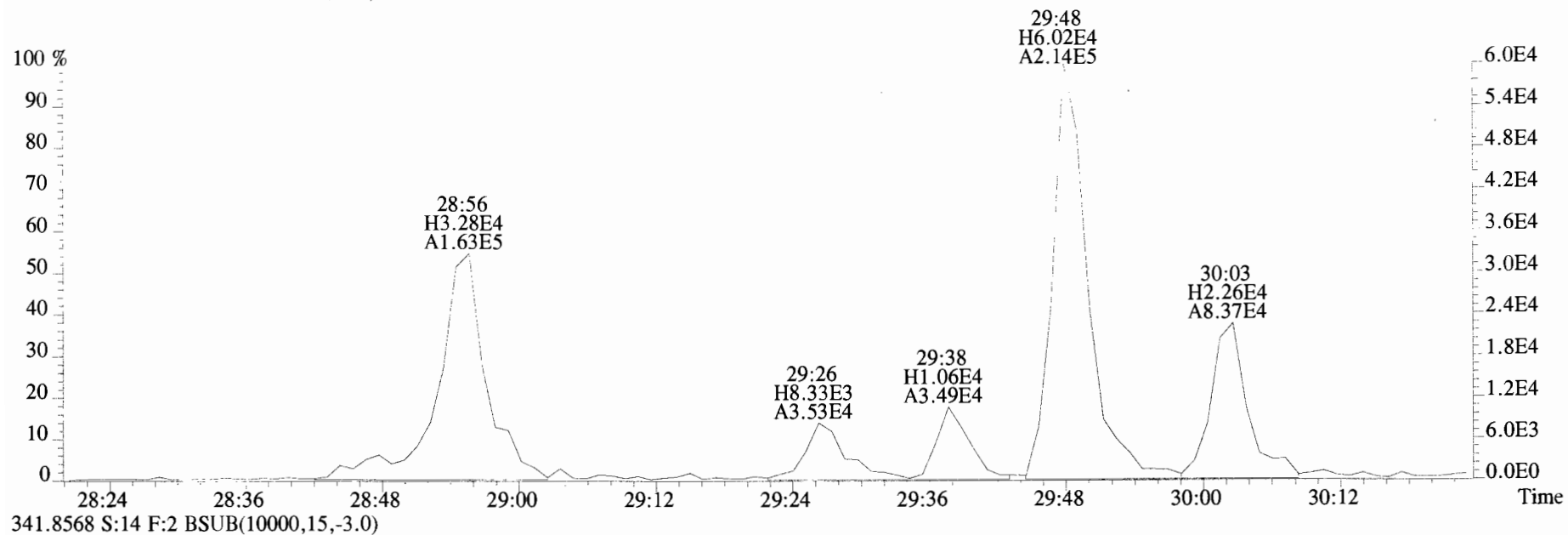
File:191009D1 #1-513 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
339.8597 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



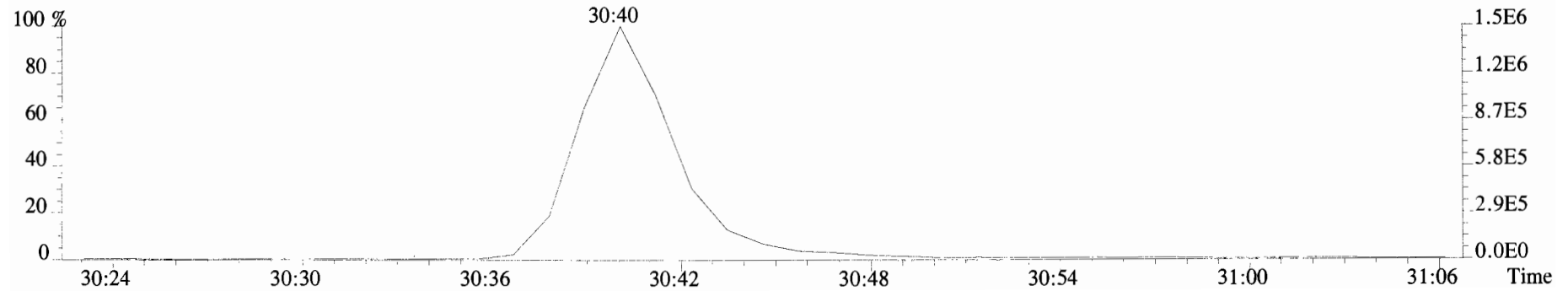
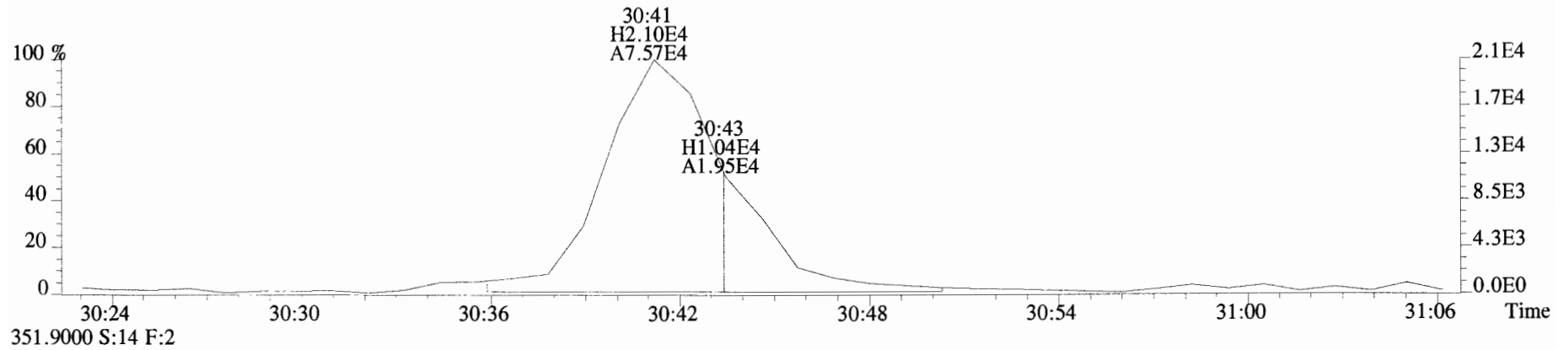
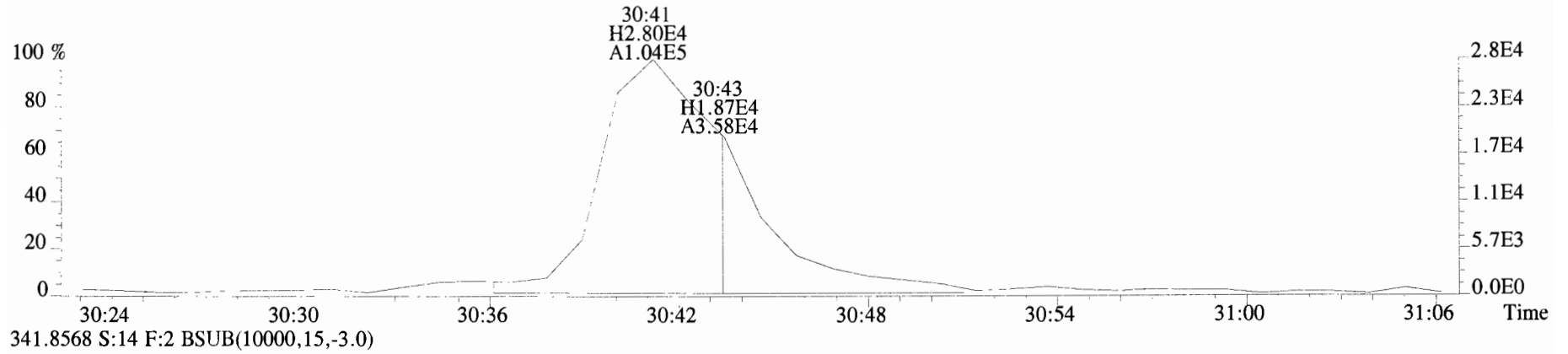
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista_Analytical Laboratory VG7 Text:1903285-09 PDI-I05SG-00-0.99-190924 10 Exp:OCDD_DB5
 339.8597 S:14 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



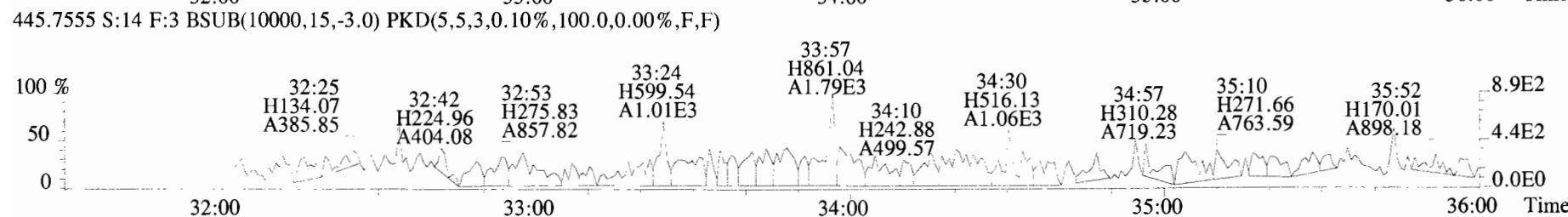
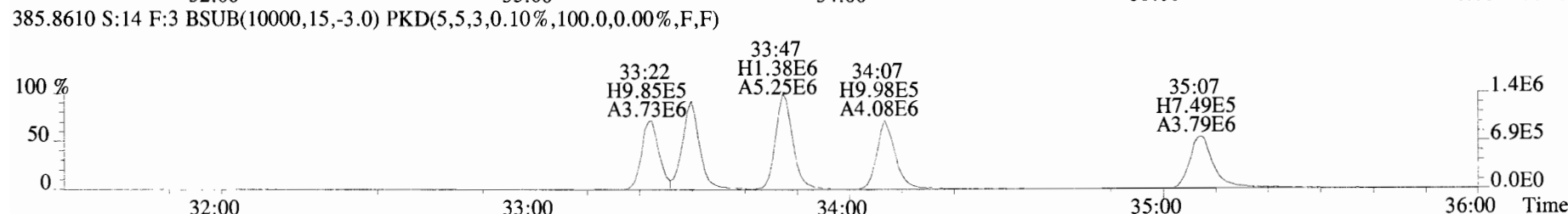
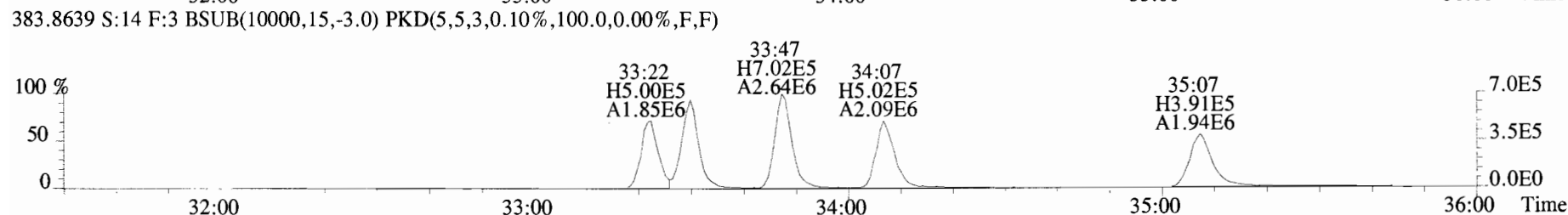
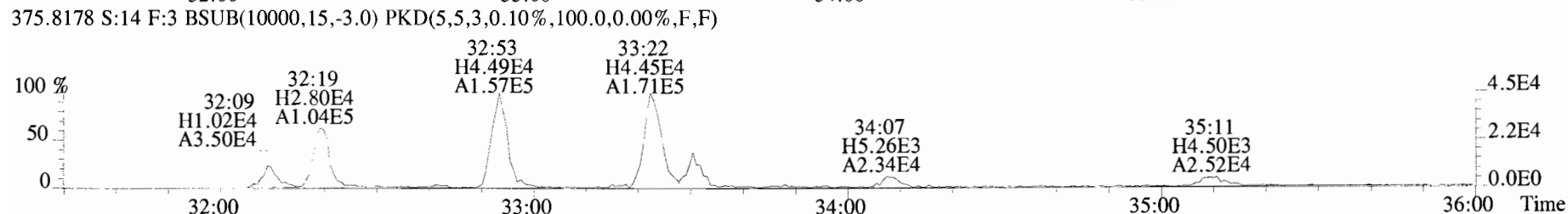
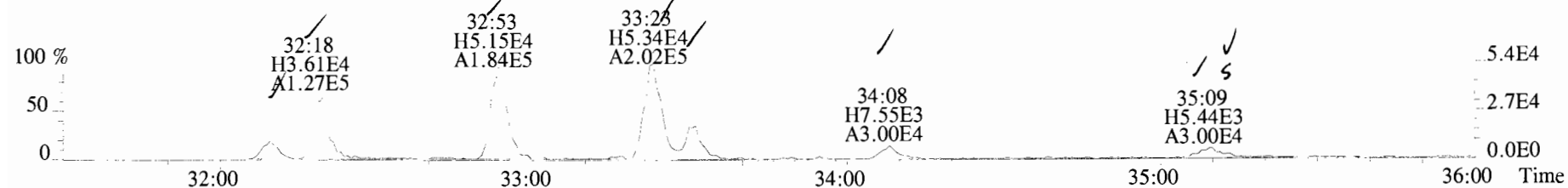
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
339.8597 S:14 F:2 BSUB(10000,15,-3.0)



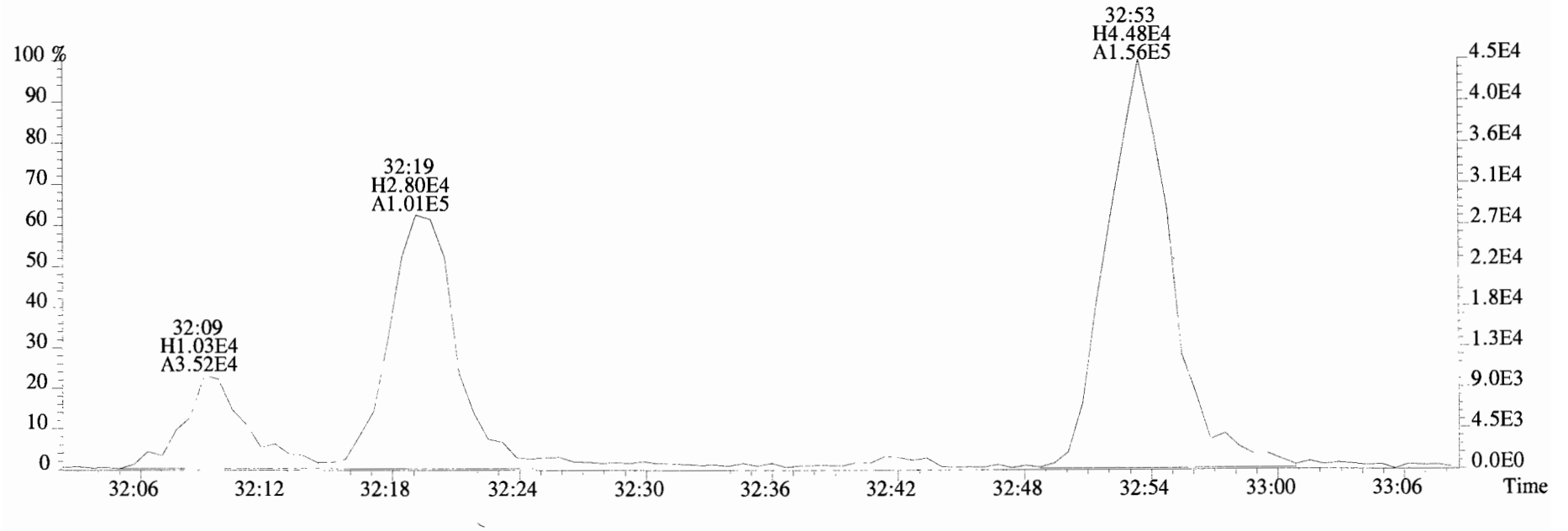
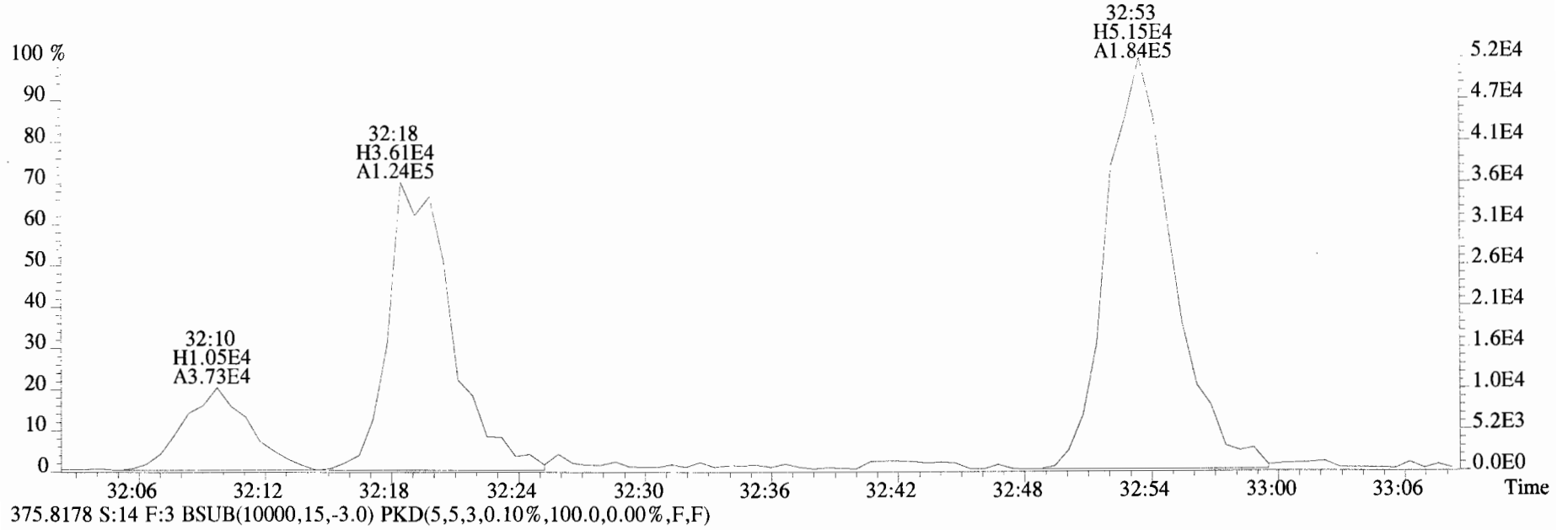
File:191009D1 #1-211 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
339.8597 S:14 F:2 BSUB(10000,15,-3.0)



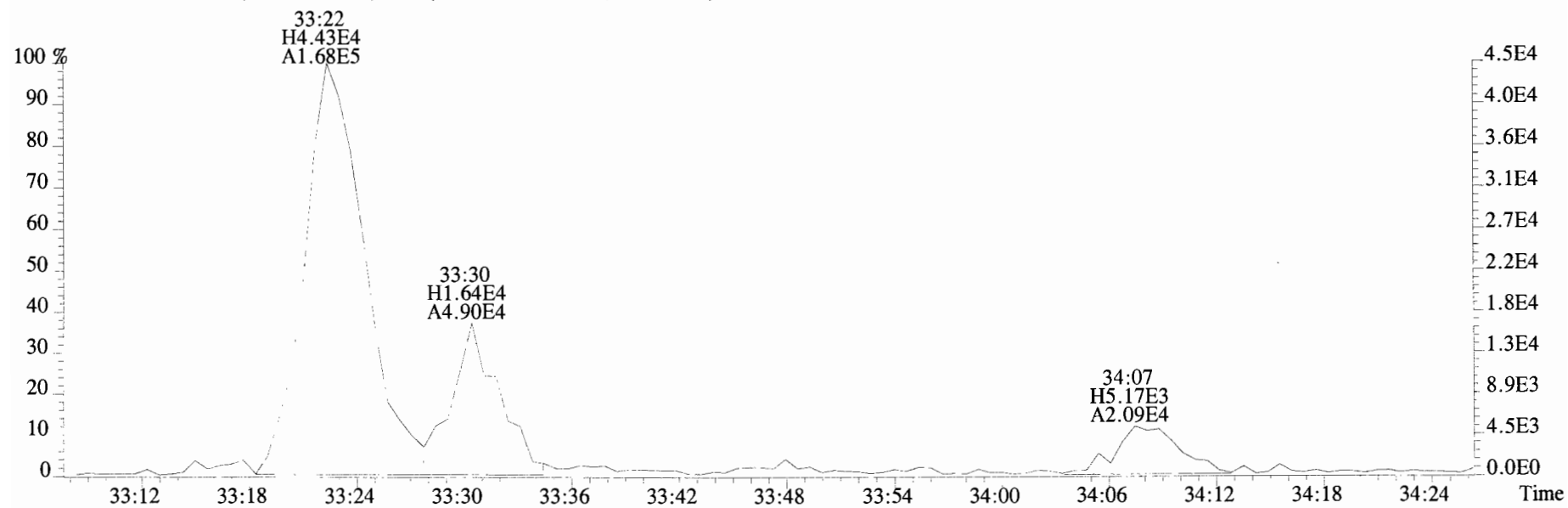
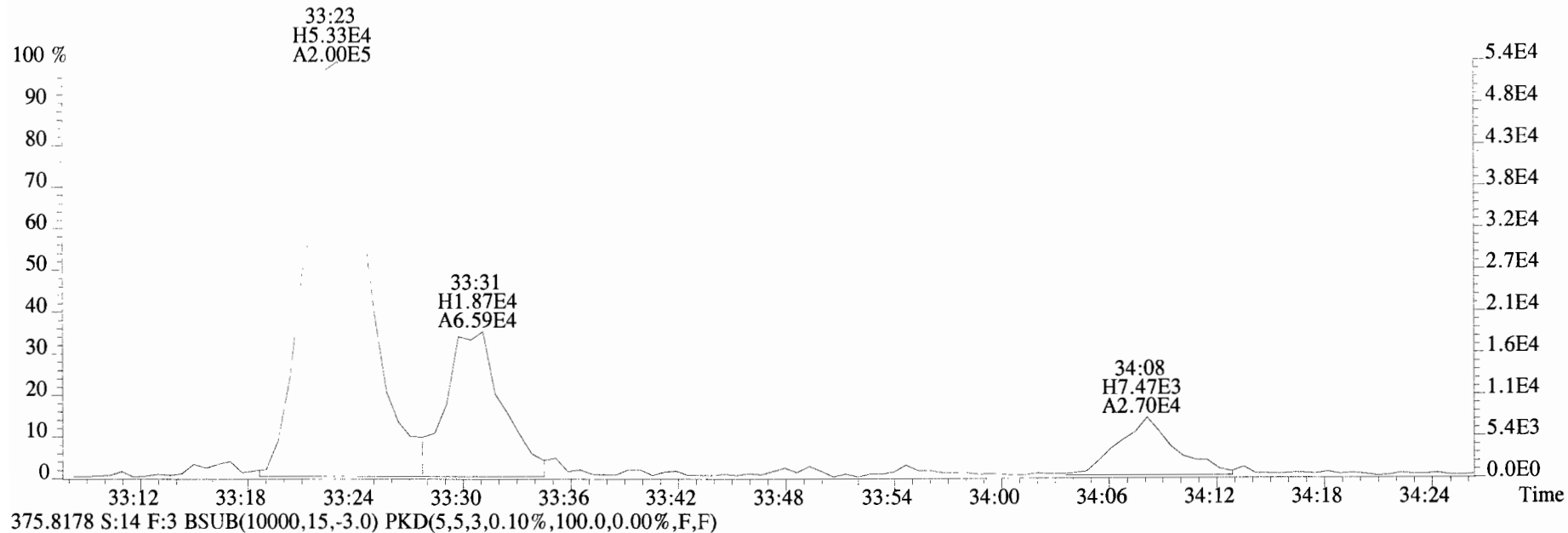
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
 373.8207 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



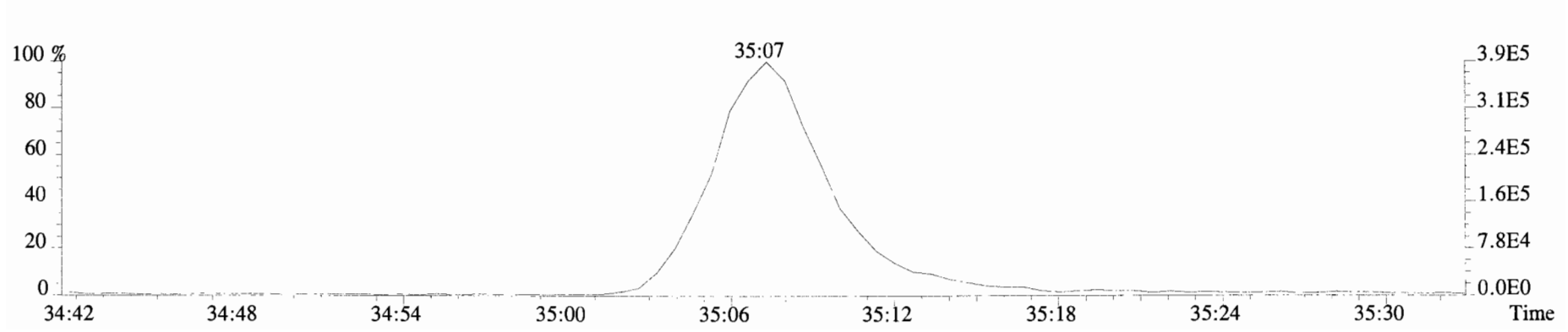
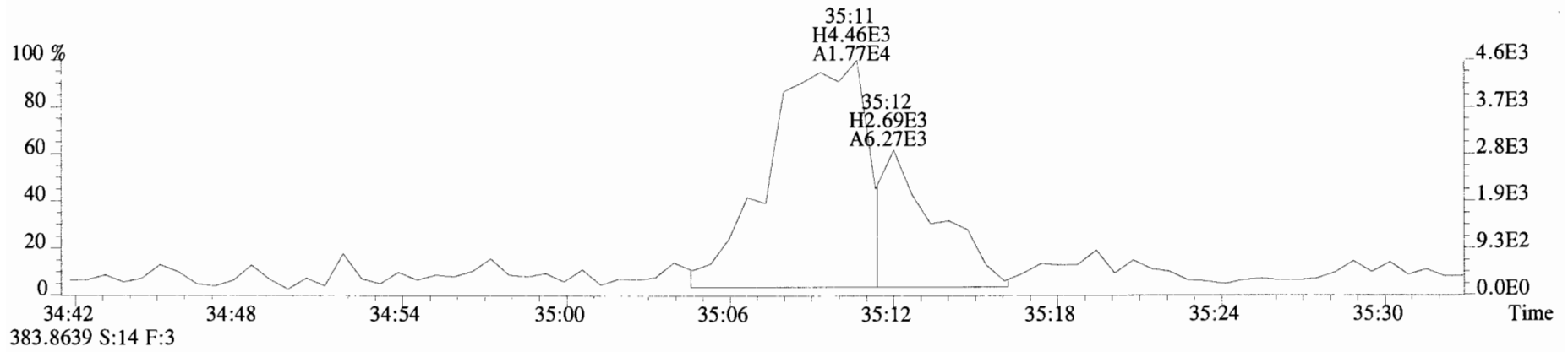
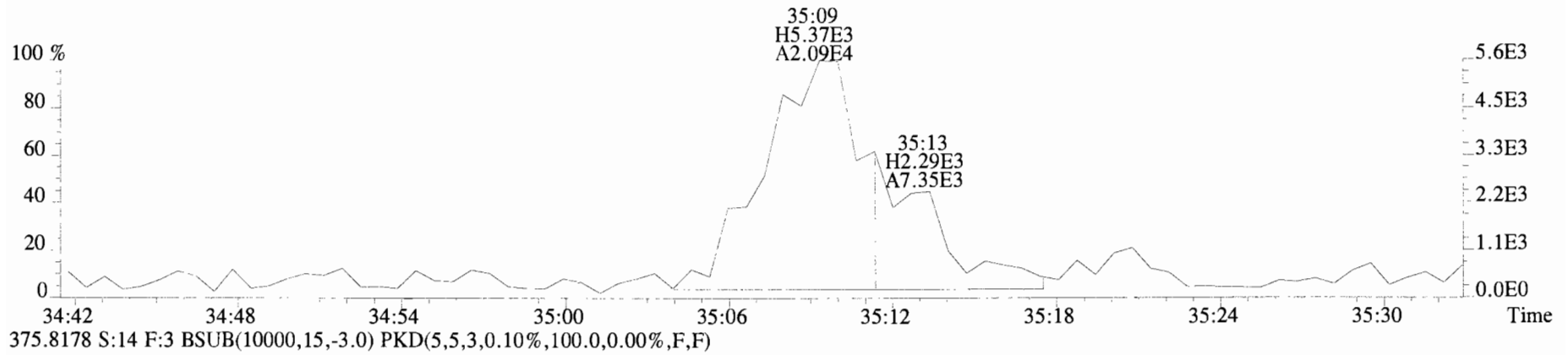
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
373.8207 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



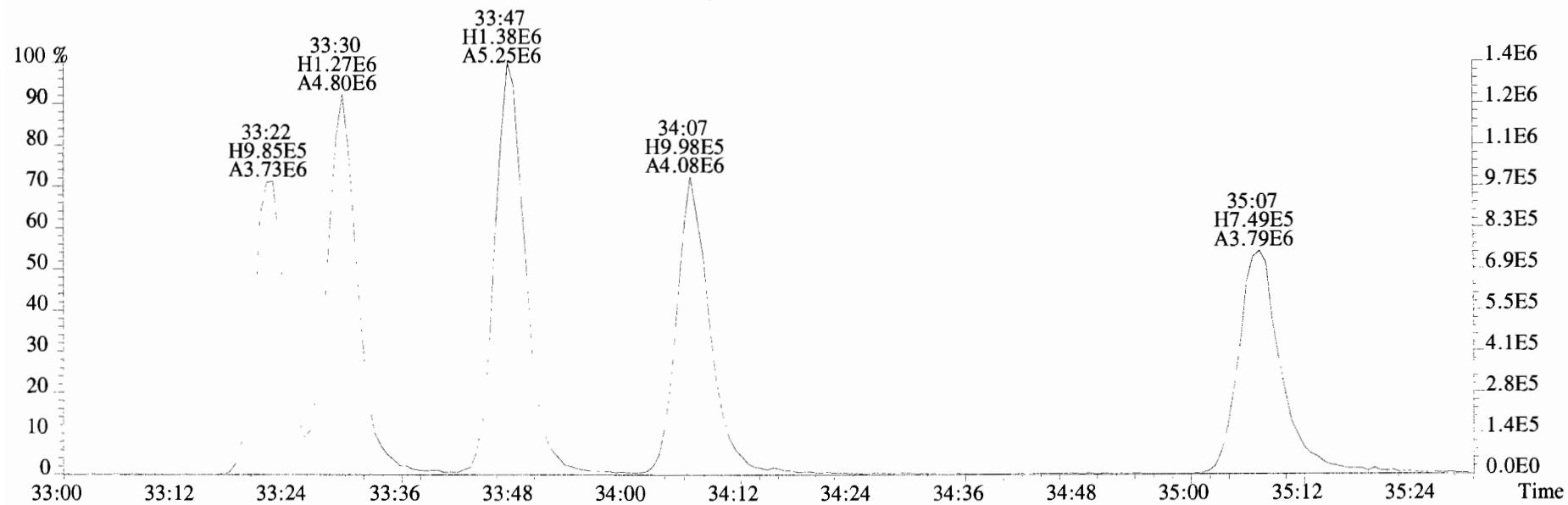
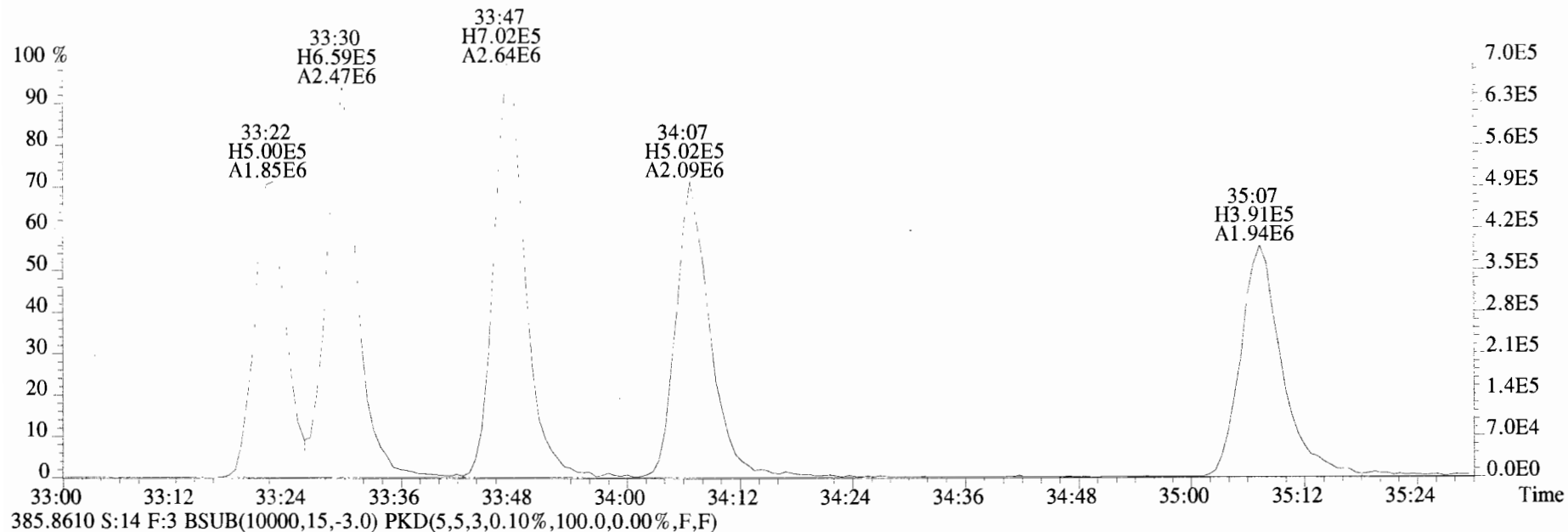
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
373.8207 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



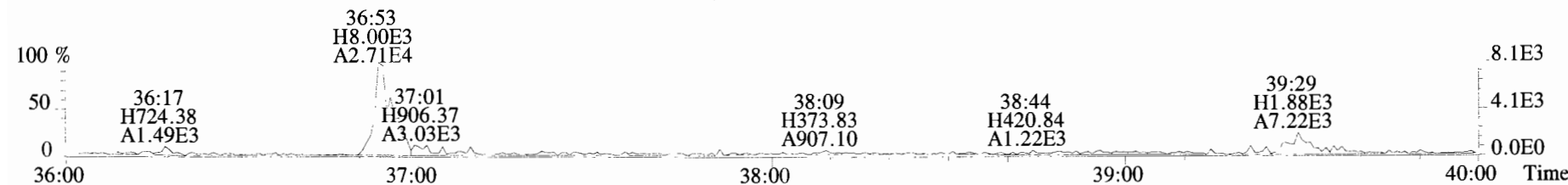
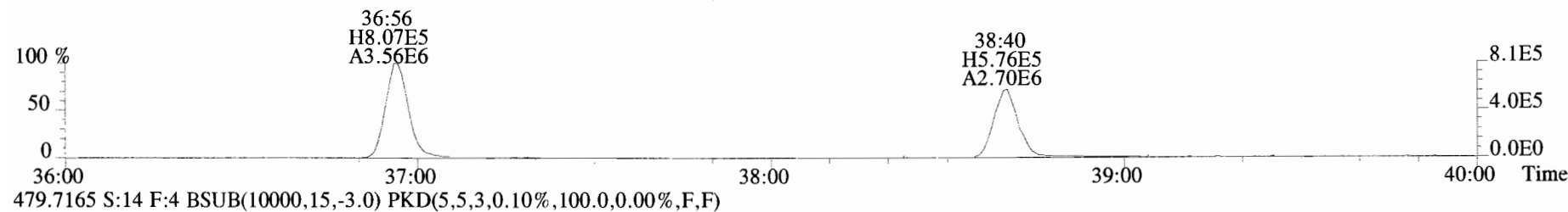
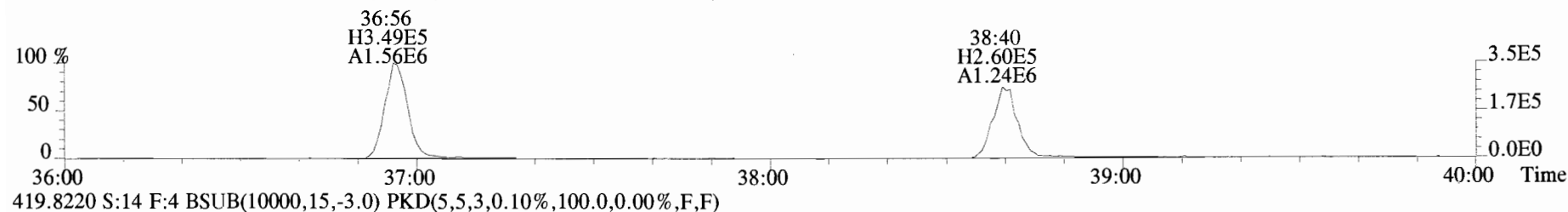
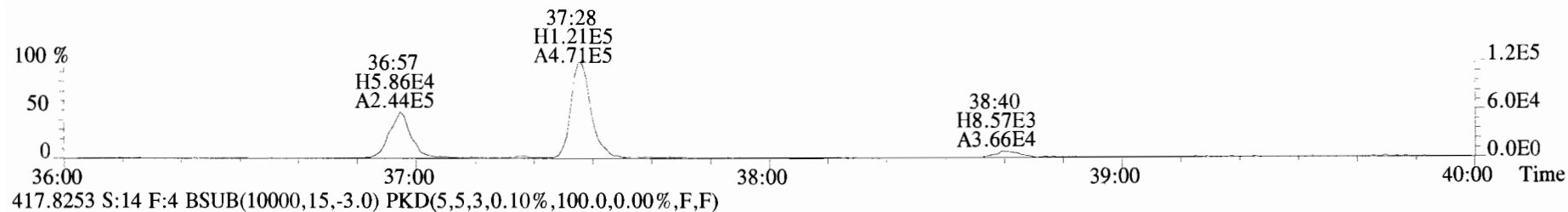
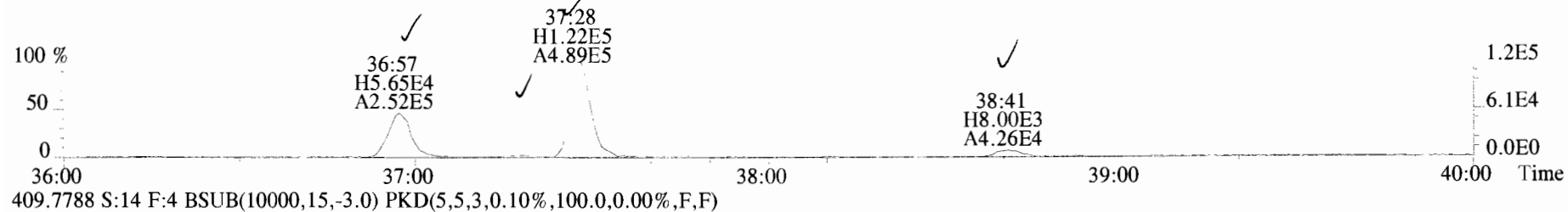
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
373.8207 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



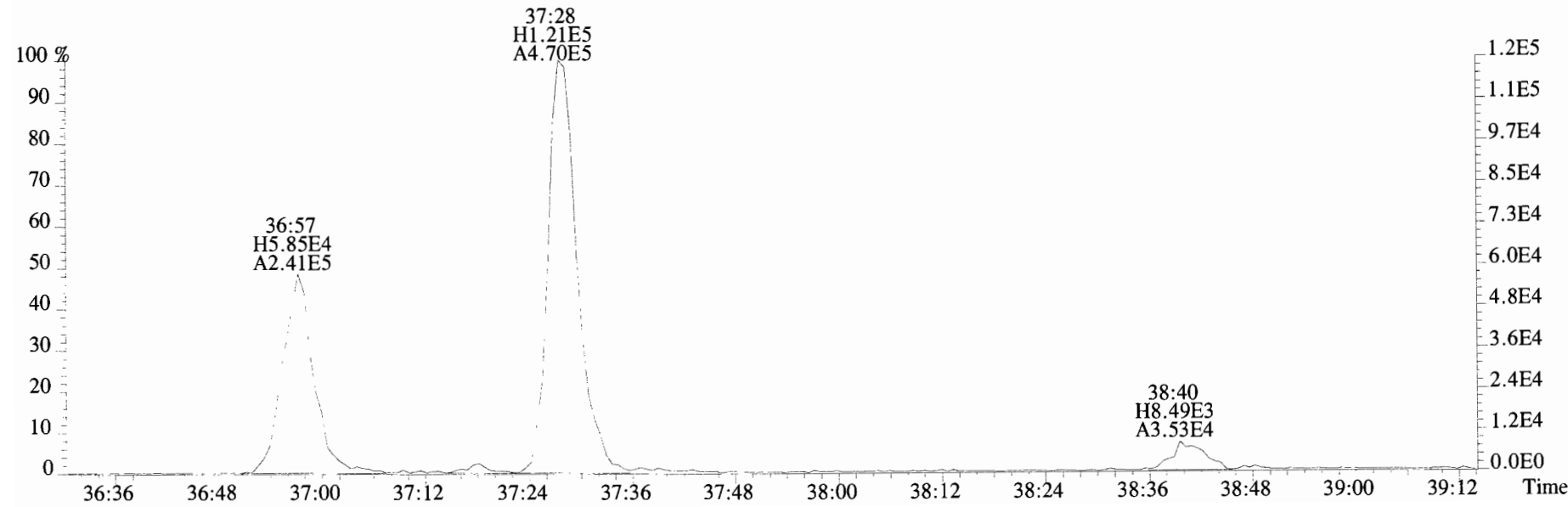
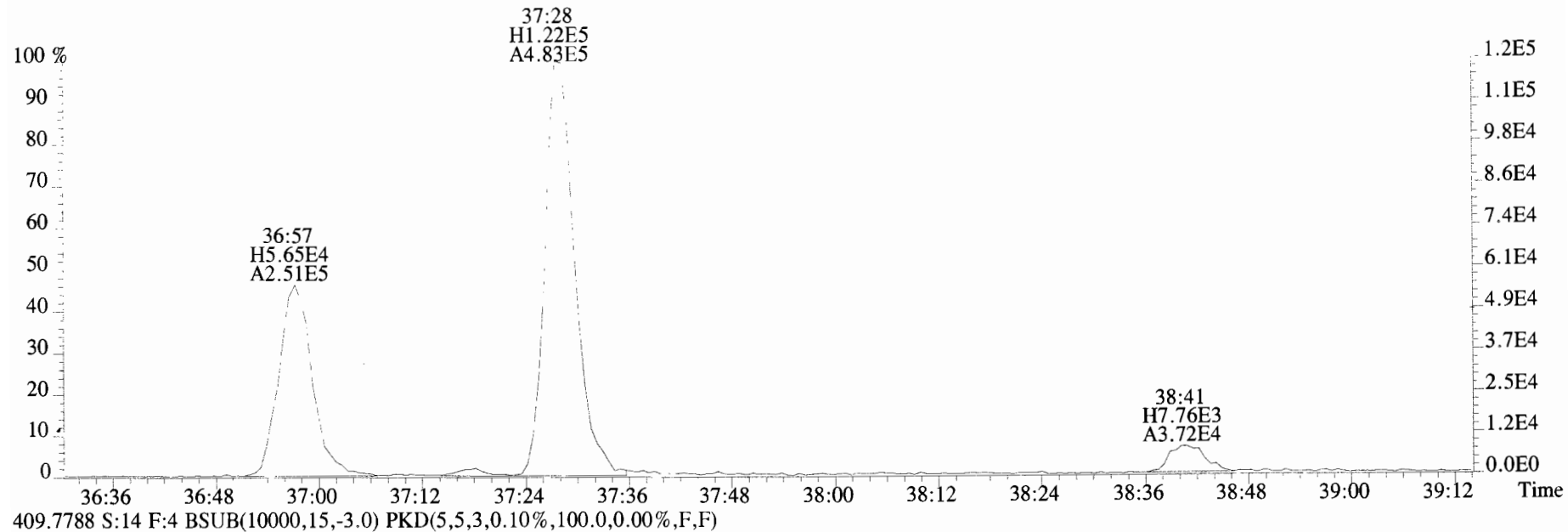
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
383.8639 S:14 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



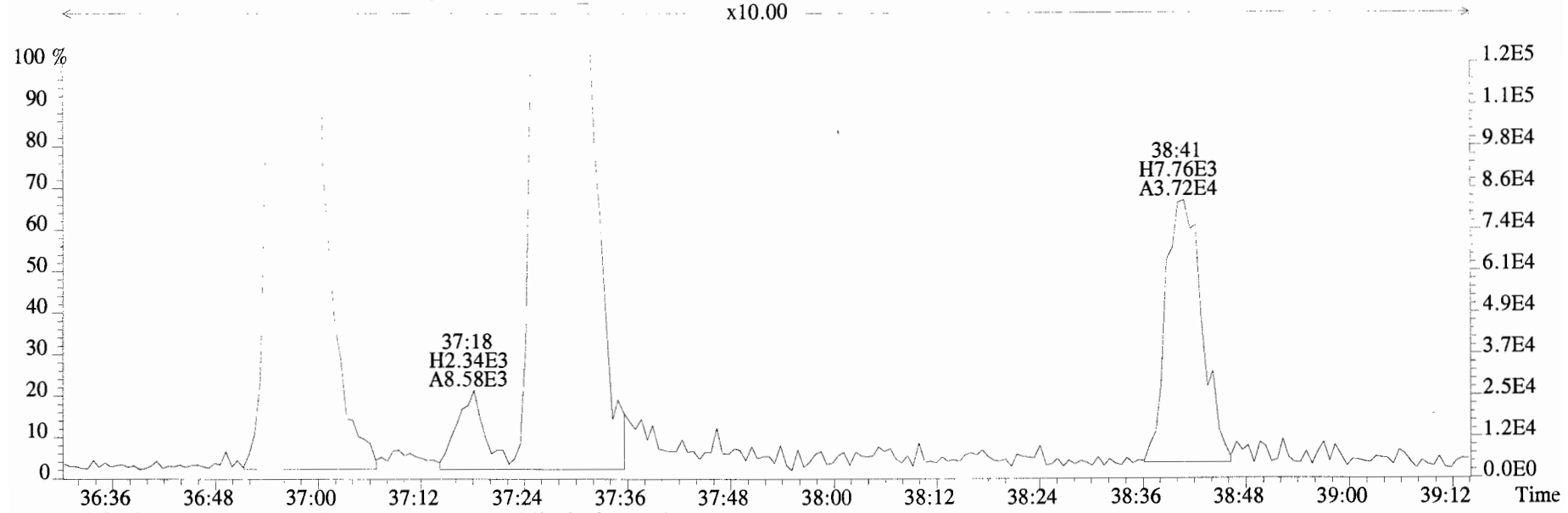
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
407.7818 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



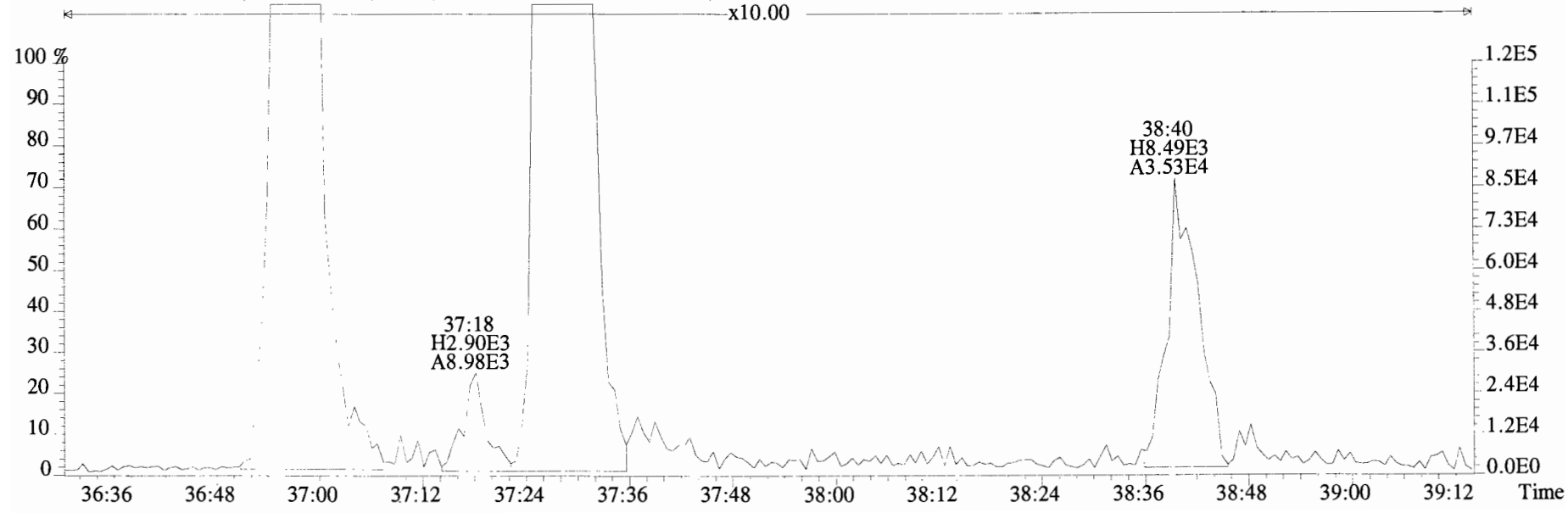
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
407.7818 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



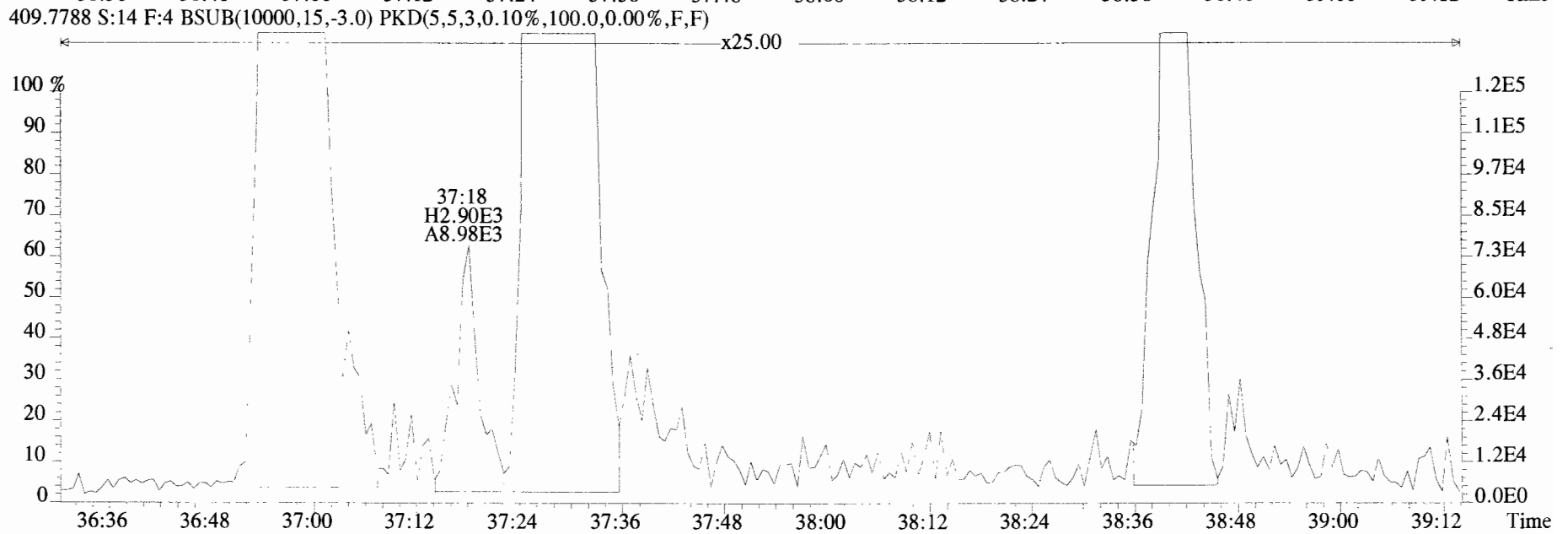
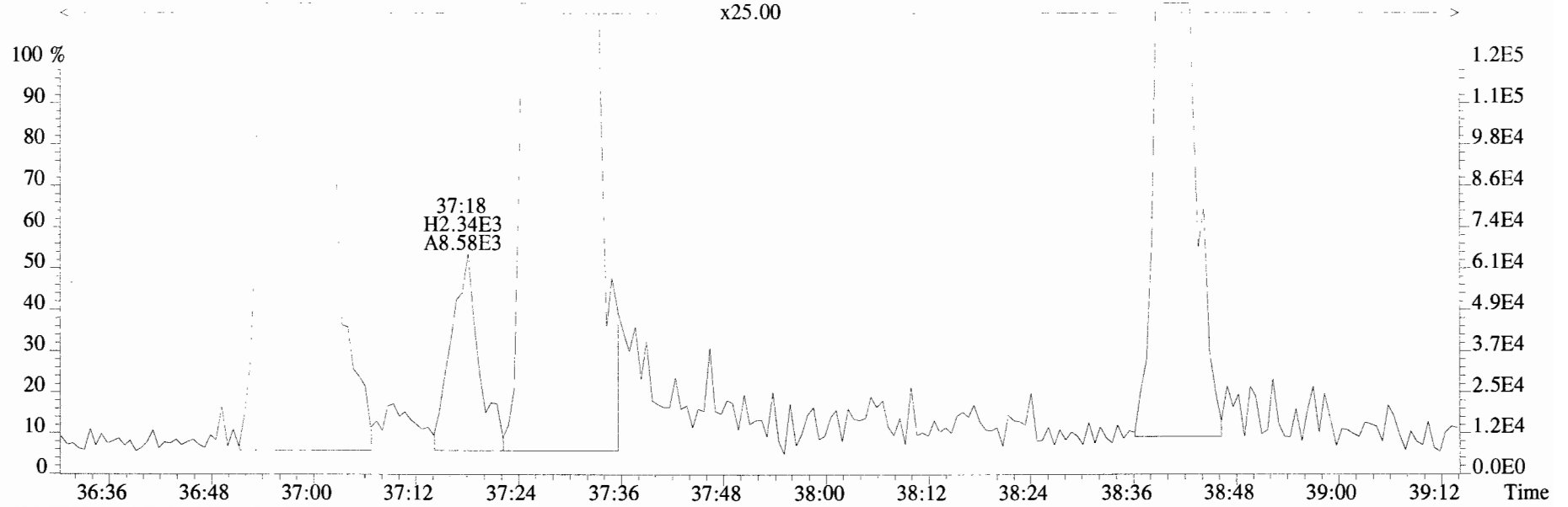
File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
407.7818 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



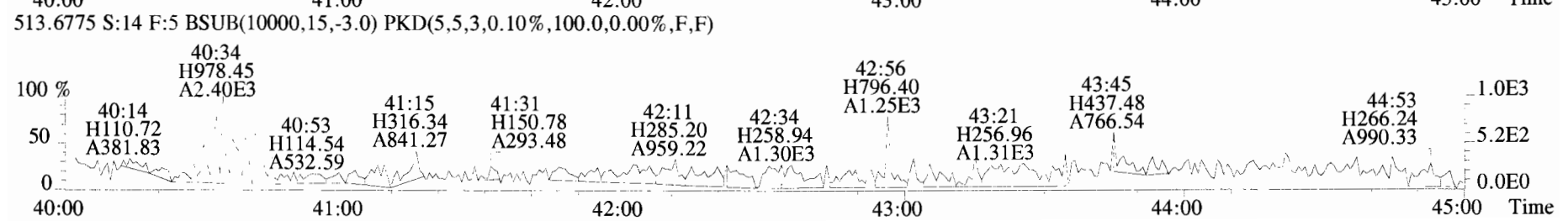
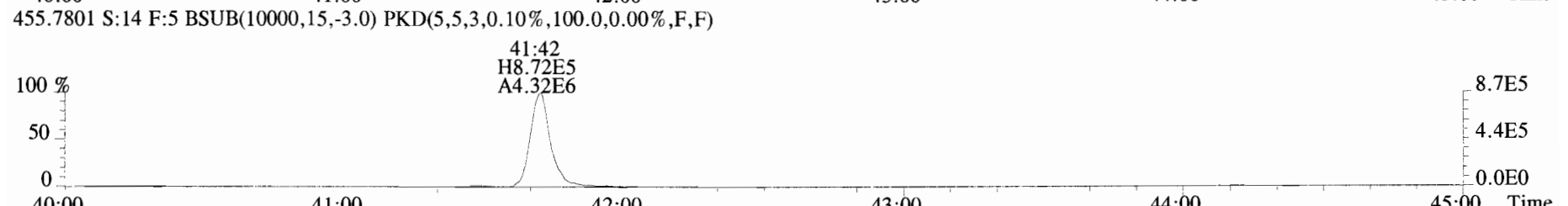
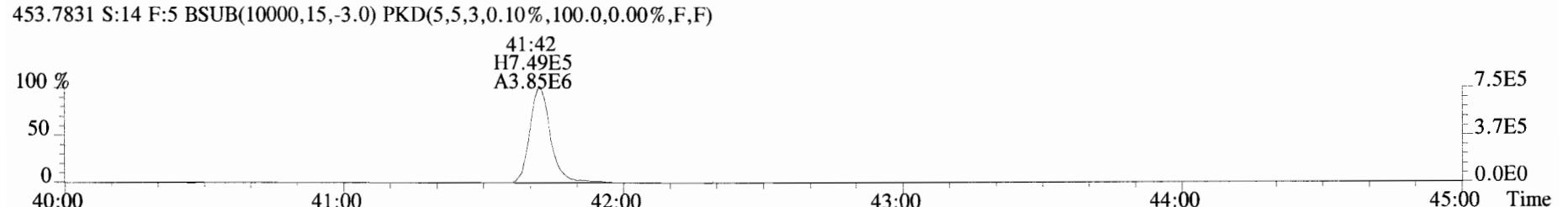
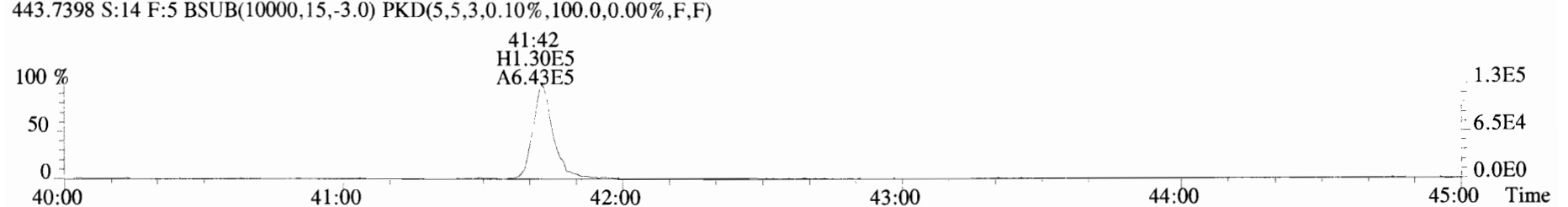
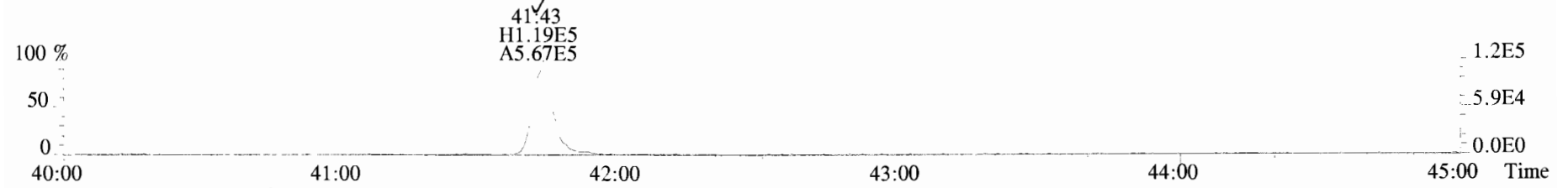
409.7788 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-355 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
407.7818 S:14 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-432 Acq:10-OCT-2019 02:32:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-09 PDI-105SG-00-0.99-190924 10 Exp:OCDD_DB5
441.7428 S:14 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL
2,3,7,8-TCDD	*	* n	0.91	Not F ₁	*	144	2.5	0.0788	
1,2,3,7,8-PeCDD	1.04e+04	0.85 n	0.90	30:56	0.33009	*	2.5	*	
1,2,3,4,7,8-HxCDD	1.08e+04	1.09 y	1.10	34:16	0.38006	*	2.5	*	
1,2,3,6,7,8-HxCDD	5.27e+04	1.32 y	0.94	34:23	1.7156	*	2.5	*	
1,2,3,7,8,9-HxCDD	2.67e+04	1.22 y	0.96	34:42	0.87004	*	2.5	*	
1,2,3,4,6,7,8-HpCDD	1.27e+06	1.00 y	0.98	38:06	44.282	*	2.5	*	
OCDD	7.67e+06	0.90 y	0.96	41:28	395.48	*	2.5	*	
2,3,7,8-TCDF	2.06e+05	0.75 y	0.95	25:51	4.9161	*	2.5	*	
1,2,3,7,8-PeCDF	2.42e+05	1.41 y	0.96	29:48	5.4668	*	2.5	*	
2,3,4,7,8-PeCDF	9.44e+04	1.74 y	1.01	30:40	2.0603	*	2.5	*	
1,2,3,4,7,8-HxCDF	3.19e+05	1.18 y	1.18	33:22	8.5286	*	2.5	*	
1,2,3,6,7,8-HxCDF	1.24e+05	1.18 y	1.07	33:30	2.7795	*	2.5	*	
2,3,4,6,7,8-HxCDF	3.40e+04	1.31 y	1.11	34:07	0.78020	*	2.5	*	
1,2,3,7,8,9-HxCDF	2.14e+04	1.01 n	1.06	35:07	0.59585	*	2.5	*	
1,2,3,4,6,7,8-HpCDF	3.88e+05	1.02 y	1.13	36:57	11.026	*	2.5	*	
1,2,3,4,7,8,9-HpCDF	7.12e+04	1.19 y	1.28	38:40	2.3614	*	2.5	*	
OCDF	7.22e+05	0.91 y	0.95	41:43	30.120	*	2.5	*	
IS 13C-2,3,7,8-TCDD	7.15e+06	0.79 y	1.10	26:34	138.47				
IS 13C-1,2,3,7,8-PeCDD	6.96e+06	0.63 y	0.88	30:56	167.46				
IS 13C-1,2,3,4,7,8-HxCDD	5.14e+06	1.26 y	0.64	34:16	178.47				
IS 13C-1,2,3,6,7,8-HxCDD	6.52e+06	1.25 y	0.86	34:23	169.98				
IS 13C-1,2,3,7,8,9-HxCDD	6.35e+06	1.28 y	0.81	34:42	175.66				
IS 13C-1,2,3,4,6,7,8-HpCDD	5.81e+06	1.05 y	0.65	38:05	198.22				
IS 13C-OCDD	8.06e+06	0.91 y	0.58	41:28	310.18				
IS 13C-2,3,7,8-TCDF	8.78e+06	0.80 y	1.03	25:51	120.75				
IS 13C-1,2,3,7,8-PeCDF	9.19e+06	1.52 y	0.85	29:47	153.06				
IS 13C-2,3,4,7,8-PeCDF	8.98e+06	1.61 y	0.85	30:40	150.85				
IS 13C-1,2,3,4,7,8-HxCDF	6.33e+06	0.51 y	0.83	33:22	169.79				
IS 13C-1,2,3,6,7,8-HxCDF	8.28e+06	0.49 y	1.03	33:30	178.56				
IS 13C-2,3,4,6,7,8-HxCDF	7.79e+06	0.51 y	0.95	34:07	182.32				
IS 13C-1,2,3,7,8,9-HxCDF	6.72e+06	0.52 y	0.83	35:08	181.16				
IS 13C-1,2,3,4,6,7,8-HpCDF	6.21e+06	0.43 y	0.76	36:56	183.01				
IS 13C-1,2,3,4,7,8,9-HpCDF	4.69e+06	0.43 y	0.58	38:40	180.01				
IS 13C-OCDF	1.01e+07	0.87 y	0.69	41:42	326.50				
C/Up 37Cl-2,3,7,8-TCDD	3.15e+06		1.20	26:35	55.788				
RS/RT 13C-1,2,3,4-TCDD	9.38e+06	0.79 y	1.00	26:00	199.03				
RS 13C-1,2,3,4-TCDF	1.40e+07	0.83 y	1.00	24:41	199.03				
RS/RT 13C-1,2,3,4,6,9-HxCDF	8.92e+06	0.50 y	1.00	33:47	199.03				

Name	Conc	EMPC	Qual	noise	DL
Total Tetra-Dioxins	1.75	2.40	*	*	
Total Penta-Dioxins	0.710	1.76	*	*	
Total Hexa-Dioxins	14.3	14.6	*	*	
Total Hepta-Dioxins	98.2	98.2	*	*	
Total Tetra-Furans	13.9	16.0	*	*	
Total Penta-Furans	15.821	17.371	*	*	
Total Hexa-Furans	18.1	23.5	*	*	
Total Hepta-Furans	31.5	31.5	*	*P	

Rec Qual

69.6
84.1
89.7
85.4
88.3
99.6
77.9
60.7
76.9
75.8
85.3
89.7
91.6
91.0
92.0
90.4
82.0

Integrations
 by 7B
 Analyst:

Reviewed
 by HC
 Analyst: C7

Date: 10/28/19

Date: 10-31-19 10/31/19

Totals class: TCDD EMPC

Entry #: 19

Run: 13 File: 191009D1 S: 15 I: 1 F: 1
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 2.3958

Unnamed Concentration: 2.396

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
23:23	1.137e+04	1.701e+04	0.67	y	2.838e+04	0.87258
23:43	5.039e+03	4.769e+03	1.06	n	8.442e+03	0.25954
24:48	7.288e+03	7.096e+03	1.03	n	1.256e+04	0.38615
26:21	1.289e+04	1.566e+04	0.82	y	2.854e+04	0.87758

Totals class: PeCDD EMPC

Entry #: 21

Run: 13 File: 191009D1 S: 15 I: 1 F: 2
 Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 1.7571

Unnamed Concentration: 1.427

RT	m1 Resp	m2 Resp	RA		Resp Concentration		Name
28:56	8.779e+03	1.364e+04	0.64	y	2.242e+04	0.71028	
29:21	3.303e+03	4.512e+03	0.73	n	7.354e+03	0.23299	
29:47	3.883e+03	2.532e+03	1.53	n	4.126e+03	0.13074	
29:57	4.241e+03	3.960e+03	1.07	n	6.456e+03	0.20453	
30:13	4.989e+03	2.875e+03	1.73	n	4.687e+03	0.14849	
30:56	5.460e+03	6.392e+03	0.85	n	1.042e+04	0.33009	1,2,3,7,8-PeCDD

Totals class: HxCDD EMPC

Entry #: 23

Run: 13 File: 191009D1 S: 15 I: 1 F: 3
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 14.553

Unnamed Concentration: 11.587

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
32:41	7.732e+04	6.498e+04	1.19	y	1.423e+05	4.7591	
33:17	1.190e+04	8.674e+03	1.37	y	2.058e+04	0.68811	
33:33	8.906e+04	6.863e+04	1.30	y	1.577e+05	5.2738	
33:40	9.437e+03	7.769e+03	1.21	y	1.721e+04	0.57545	
34:16	5.627e+03	5.173e+03	1.09	y	1.080e+04	0.38006	1,2,3,4,7,8-HxCDD
34:23	2.999e+04	2.273e+04	1.32	y	5.272e+04	1.7156	1,2,3,6,7,8-HxCDD
34:35	4.813e+03	4.751e+03	1.01	n	8.695e+03	0.29080	
34:42	1.468e+04	1.201e+04	1.22	y	2.668e+04	0.87004	1,2,3,7,8,9-HxCDD

Totals class: HpCDD EMPC

Entry #: 25

Run: 13 File: 191009D1 S: 15 I: 1 F: 4
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 98.189

Unnamed Concentration: 53.907

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
37:17	7.855e+05	7.554e+05	1.04	y	1.541e+06	53.907
38:06	6.343e+05	6.315e+05	1.00	y	1.266e+06	44.282 1,2,3,4,6,7,8-HpCDD

Totals class: TCDF EMPC

Entry #: 27

Run: 13 File: 191009D1 S: 15 I: 1 F: 1
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 15.985 Unnamed Concentration: 11.069

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
21:58	5.583e+03	4.109e+03	1.36	n	7.273e+03	0.17344
22:34	2.425e+04	2.625e+04	0.92	n	4.647e+04	1.1082
23:01	1.327e+04	1.551e+04	0.86	y	2.878e+04	0.68620
23:23	2.704e+04	3.237e+04	0.84	y	5.941e+04	1.4167
23:46	1.034e+04	1.273e+04	0.81	y	2.307e+04	0.55009
24:01	9.846e+03	6.053e+03	1.63	n	1.071e+04	0.25546
24:39	2.528e+04	2.952e+04	0.86	y	5.480e+04	1.3067
25:05	6.490e+04	8.387e+04	0.77	y	1.488e+05	3.5476
25:19	6.560e+03	9.363e+03	0.70	y	1.592e+04	0.37969
25:45	9.886e+03	1.364e+04	0.72	y	2.352e+04	0.56094
25:51	8.840e+04	1.178e+05	0.75	y	2.062e+05	4.9161 2,3,7,8-TCDF
26:10	1.081e+04	1.263e+04	0.86	y	2.344e+04	0.55905
27:32	1.467e+04	1.244e+04	1.18	n	2.202e+04	0.52510

Totals class: 1st Func. PeCDF EMPC Entry #: 29

Run: 13 File: 191009D1 S: 15 I: 1 F: 1
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 2.4170 Unnamed Concentration: 2.417

RT	m1 Resp	m2 Resp	RA	Resp Concentration	Name
27:30	6.197e+04	4.700e+04	1.32 y	1.090e+05	2.4170

Totals class: PeCDF EMPC

Entry #: 31

Run: 13 File: 191009D1 S: 15 I: 1 F: 2
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 14.954 Unnamed Concentration: 7.427

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
28:45	1.189e+04	8.469e+03	1.40	y	2.035e+04	0.45147
28:54	9.267e+04	5.437e+04	1.70	y	1.470e+05	3.2613
29:26	1.912e+04	1.123e+04	1.70	y	3.035e+04	0.67316
29:36	1.962e+04	1.127e+04	1.74	y	3.089e+04	0.68510
29:48	1.417e+05	1.007e+05	1.41	y	2.424e+05	5.4668 1,2,3,7,8-PeCDF
30:01	5.176e+04	2.740e+04	1.89	n	6.988e+04	1.5499
30:40	5.990e+04	3.447e+04	1.74	y	9.437e+04	2.0603 2,3,4,7,8-PeCDF
30:43	2.168e+04	1.468e+04	1.48	y	3.635e+04	0.80635

Totals class: HxCDF EMPC

Entry #: 33

Run: 13 File: 191009D1 S: 15 I: 1 F: 3
 Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 23.521 Unnamed Concentration: 10.837

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
32:09	2.855e+04	2.334e+04	1.22	y	5.189e+04	1.2861
32:19	9.069e+04	7.776e+04	1.17	y	1.685e+05	4.1751
32:53	1.085e+05	1.064e+05	1.02	n	1.959e+05	4.8556
33:22	1.729e+05	1.462e+05	1.18	y	3.191e+05	8.5286 1,2,3,4,7,8-HxCDF
33:30	6.687e+04	5.668e+04	1.18	y	1.236e+05	2.7795 1,2,3,6,7,8-HxCDF
34:07	1.928e+04	1.472e+04	1.31	y	3.400e+04	0.78020 2,3,4,6,7,8-HxCDF
35:07	1.182e+04	1.176e+04	1.01	n	2.136e+04	0.59585 1,2,3,7,8,9-HxCDF
35:11	1.155e+04	9.448e+03	1.22	y	2.100e+04	0.52046

Totals class: HpCDF EMPC

Entry #: 35

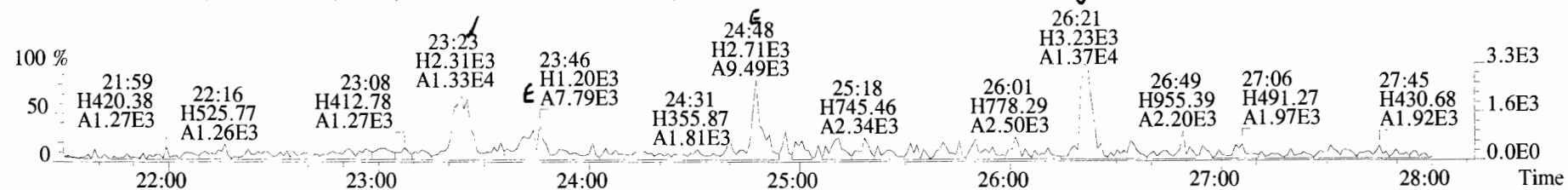
Run: 13 File: 191009D1 S: 15 I: 1 F: 4
Acquired: 10-OCT-19 03:19:47 Processed: 10-OCT-19 10:29:38

Total Concentration: 31.491

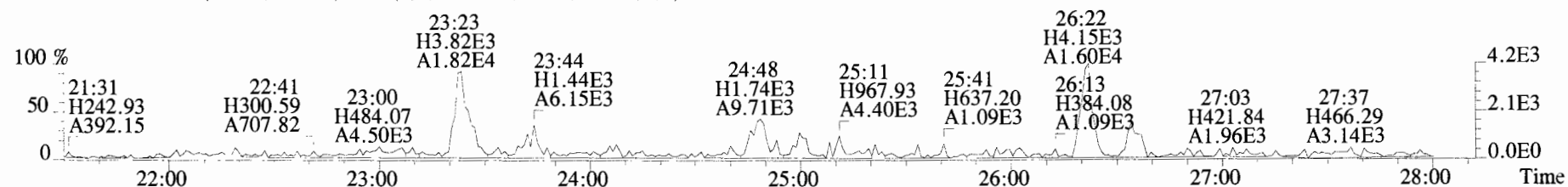
Unnamed Concentration: 18.103

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name
36:57	1.955e+05	1.926e+05	1.02 y	3.881e+05	11.026	1,2,3,4,6,7,8-HpCDF P
37:16	5.237e+03	5.487e+03	0.95 y	1.072e+04	0.32806	
37:28	2.901e+05	2.910e+05	1.00 y	5.810e+05	17.775	
38:40	3.865e+04	3.254e+04	1.19 y	7.119e+04	2.3614	1,2,3,4,7,8,9-HpCDF

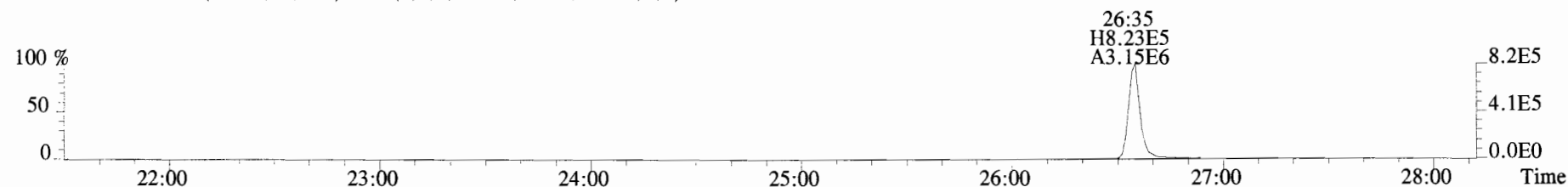
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



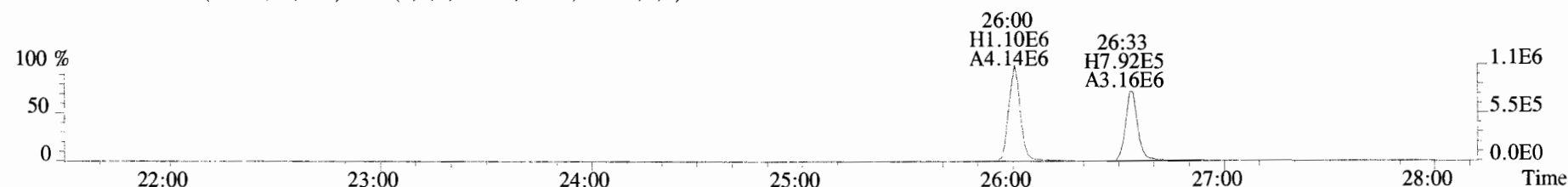
321.8936 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



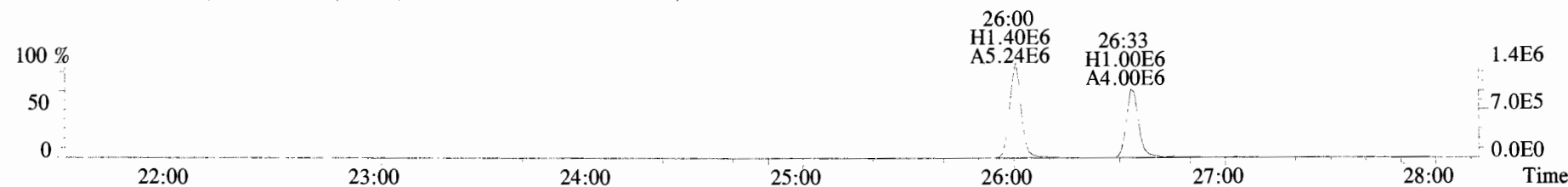
327.8847 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



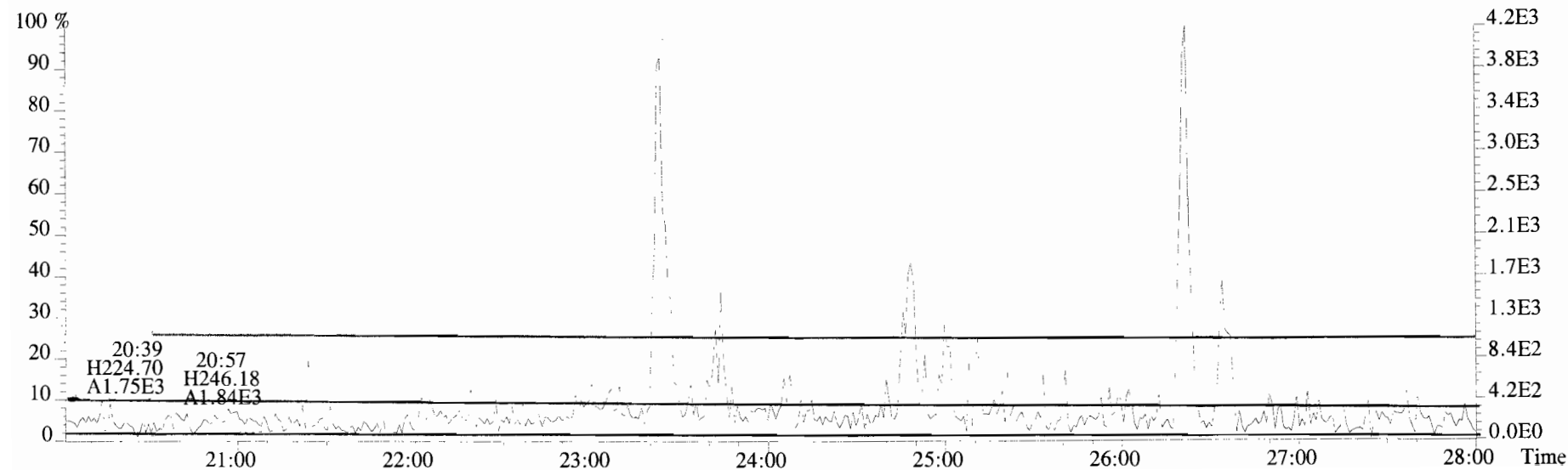
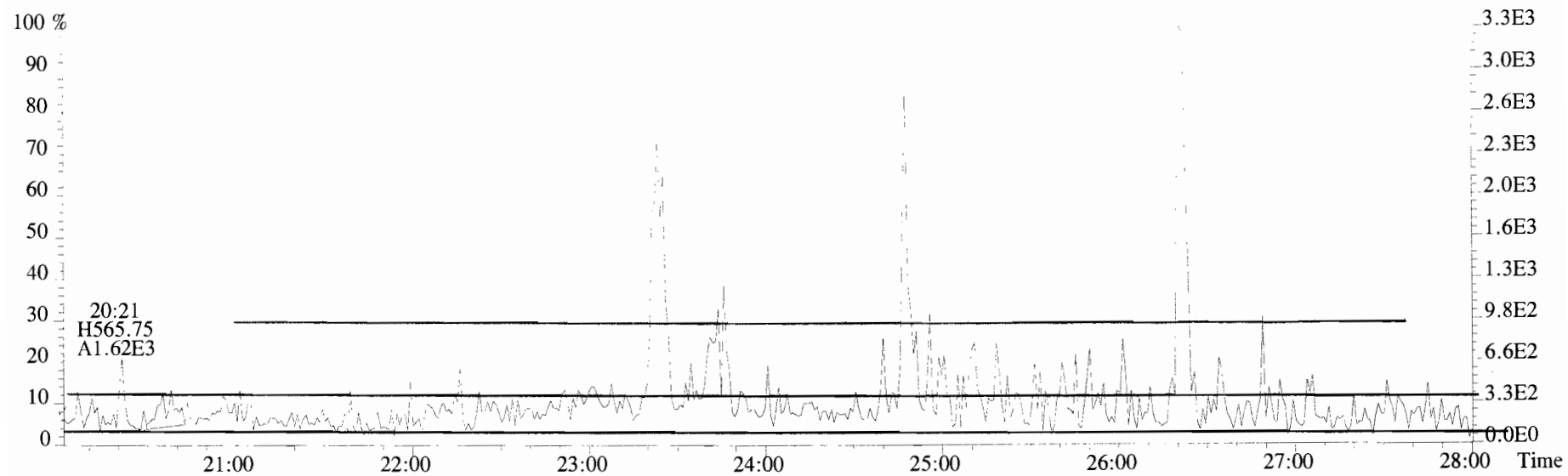
331.9368 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



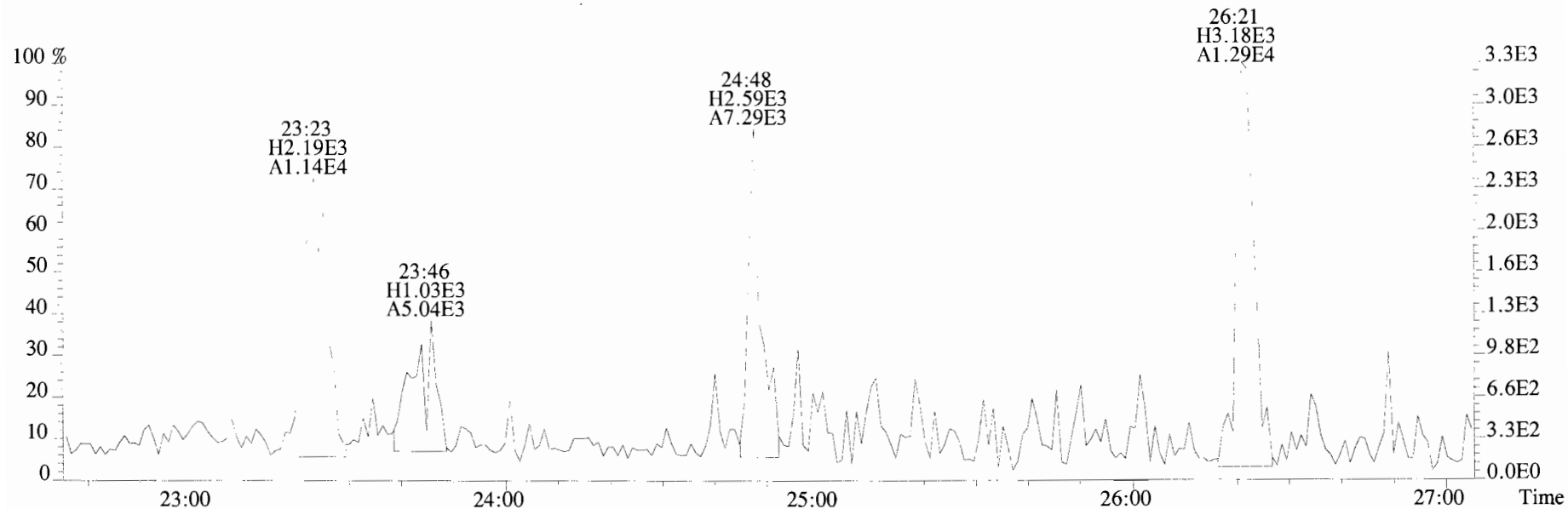
333.9339 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



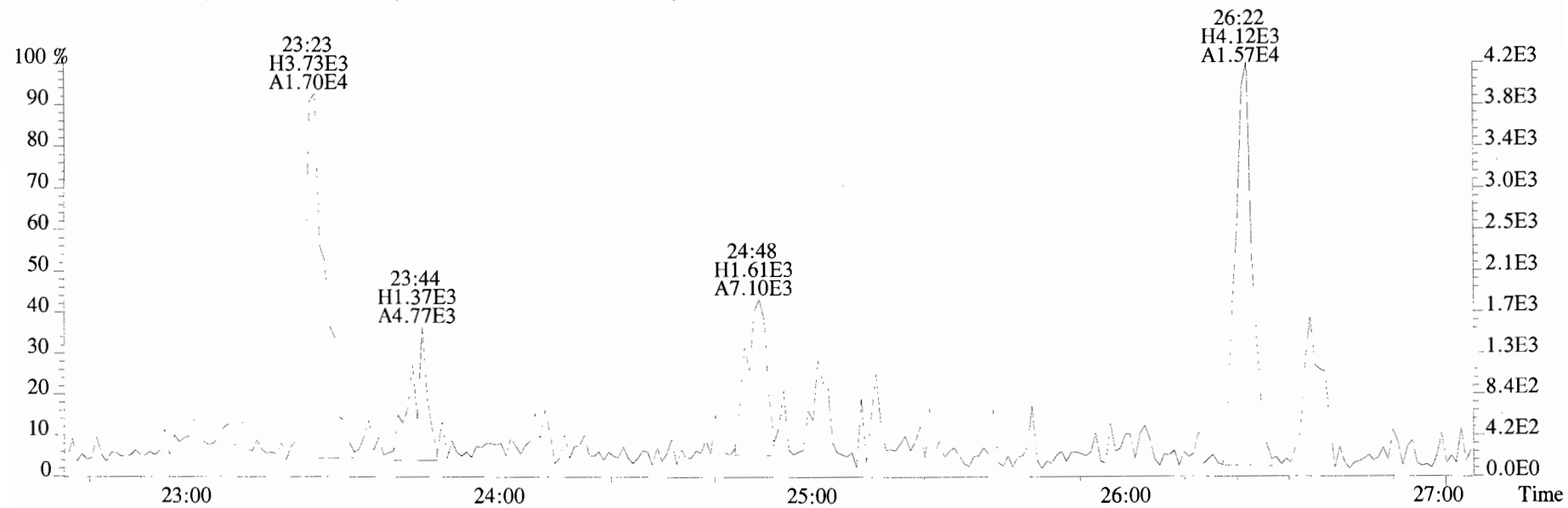
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



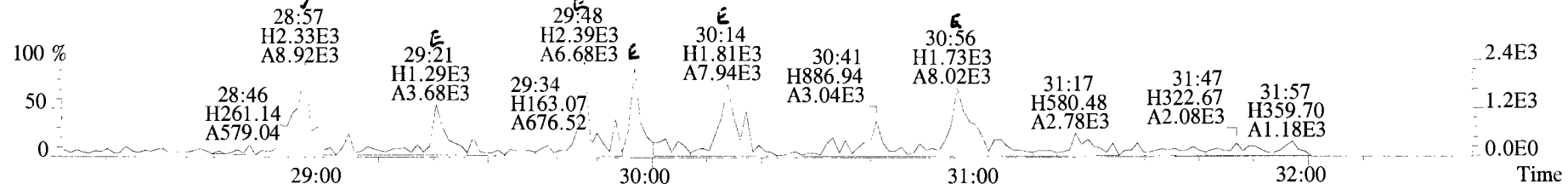
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
319.8965 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



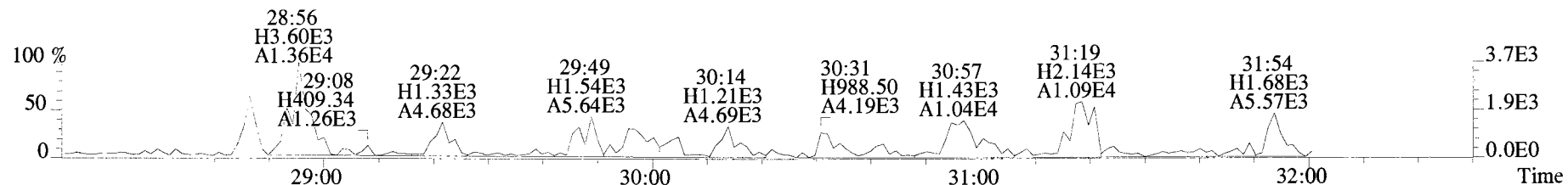
321.8936 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



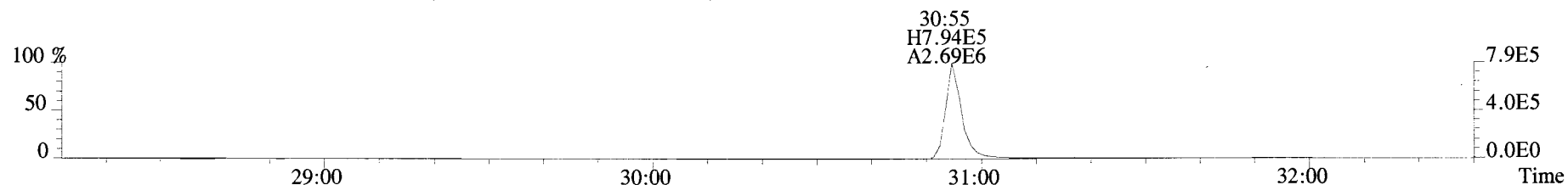
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 353.8576 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



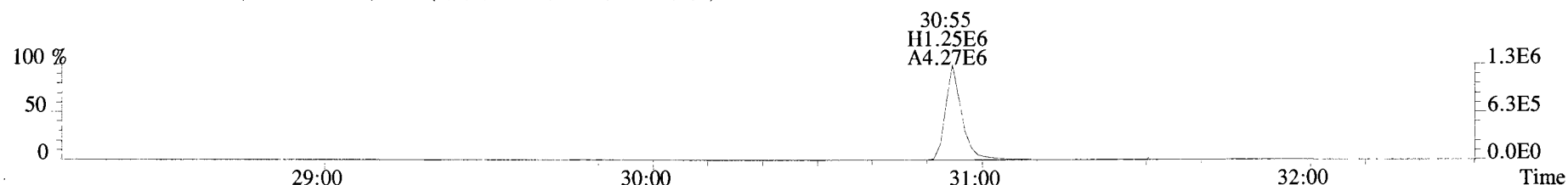
355.8546 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



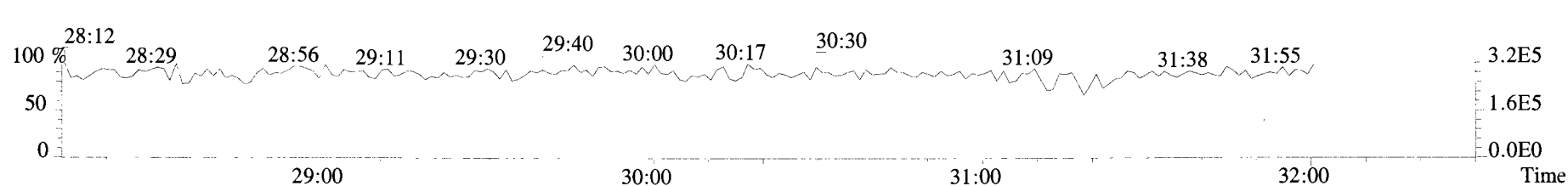
365.8978 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



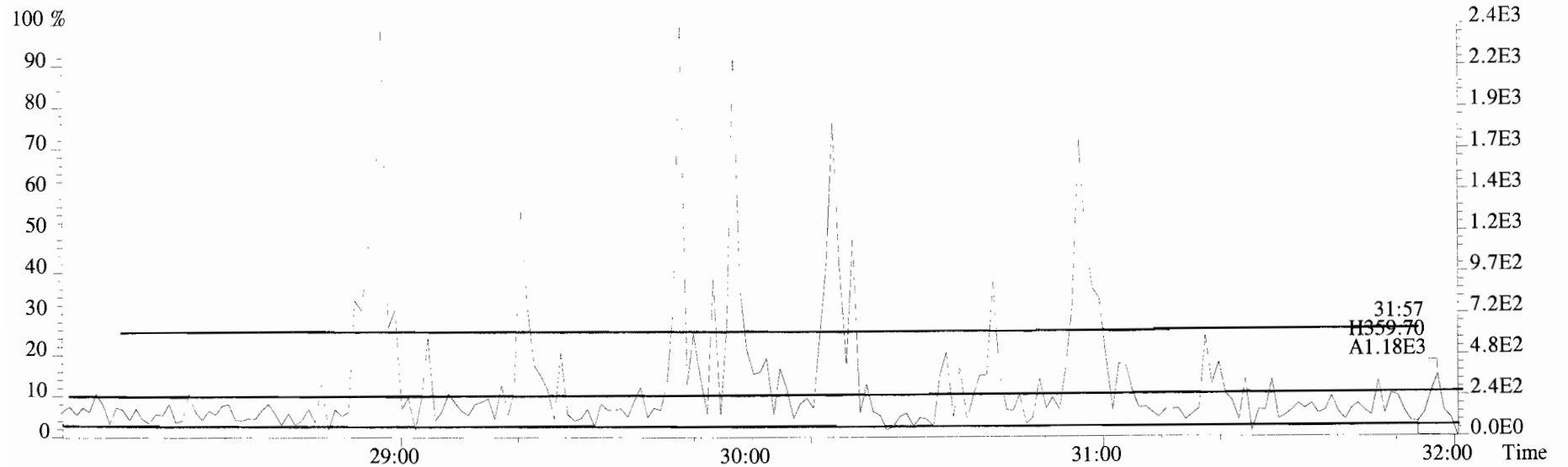
367.8949 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



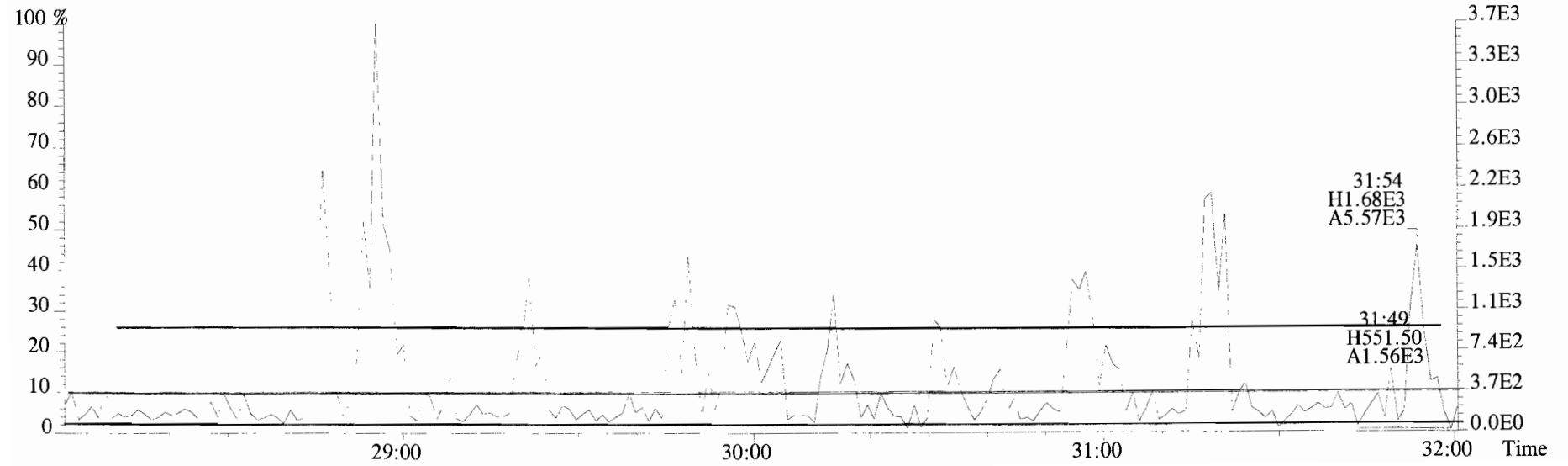
366.9792 S:15 F:2



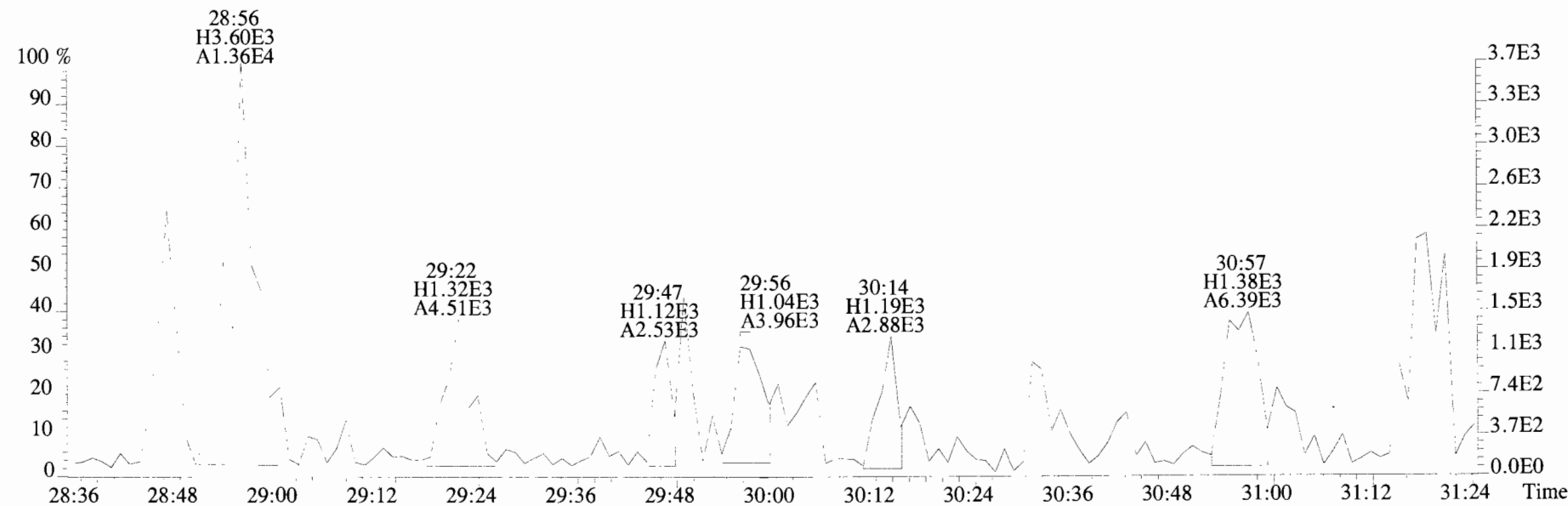
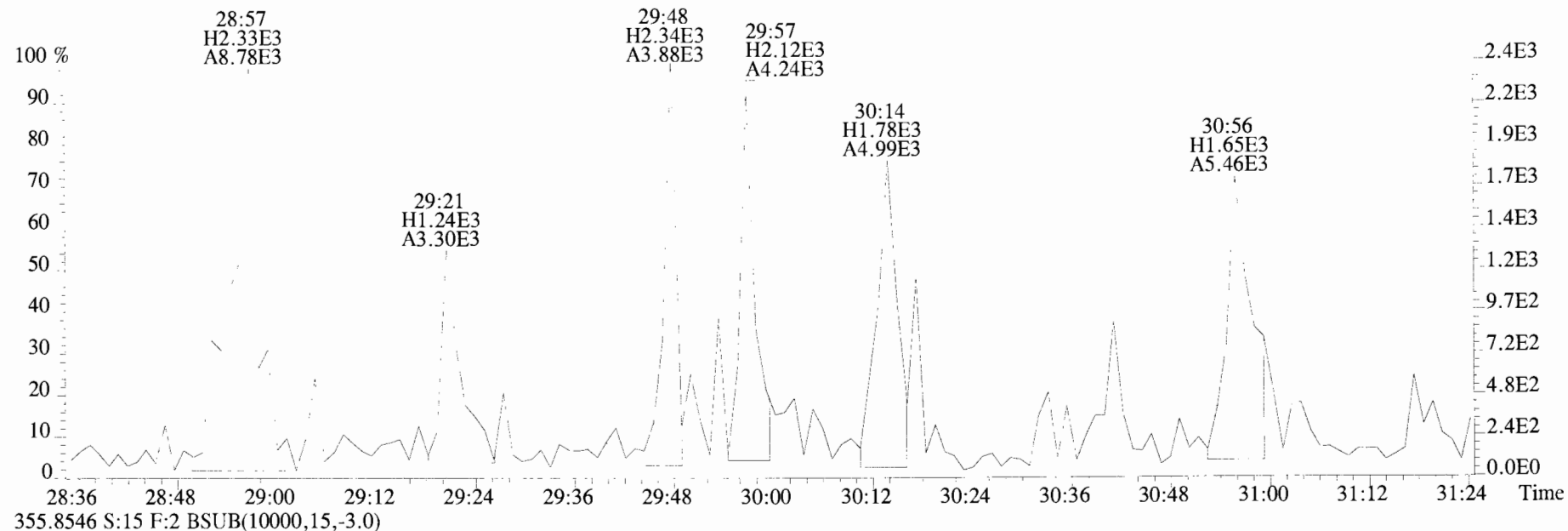
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
353.8576 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



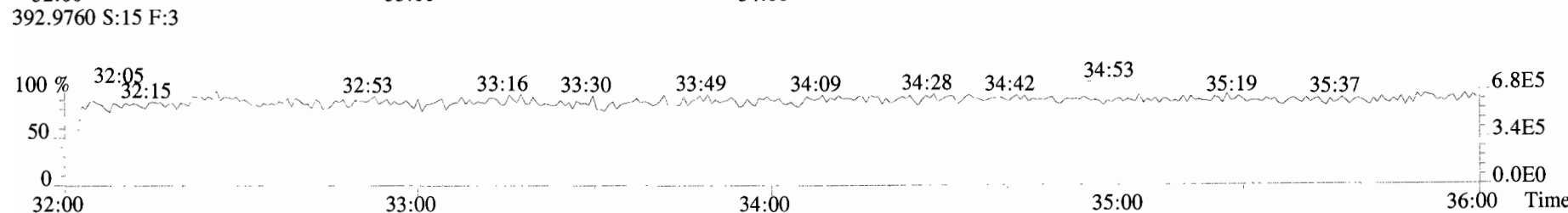
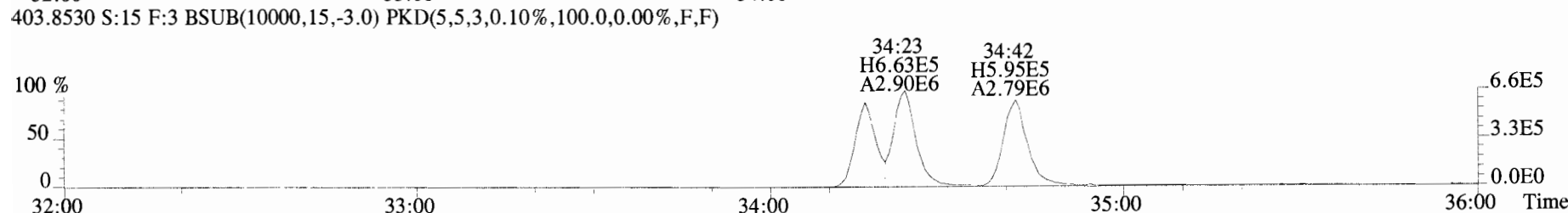
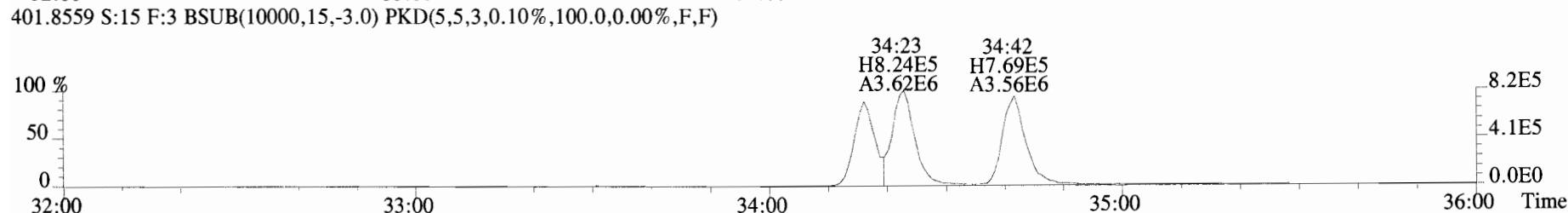
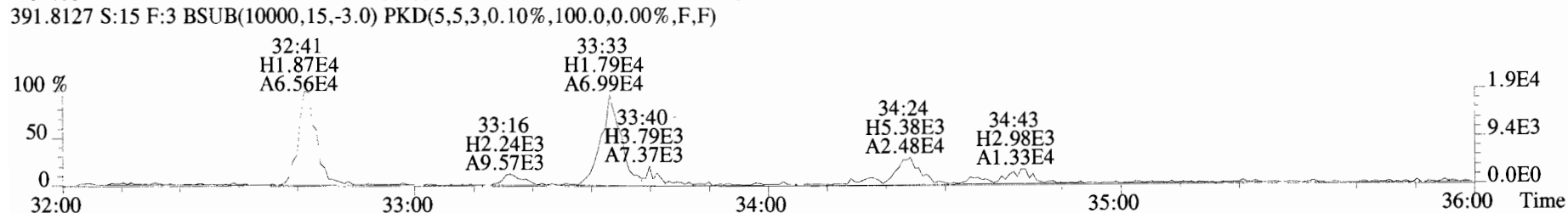
355.8546 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



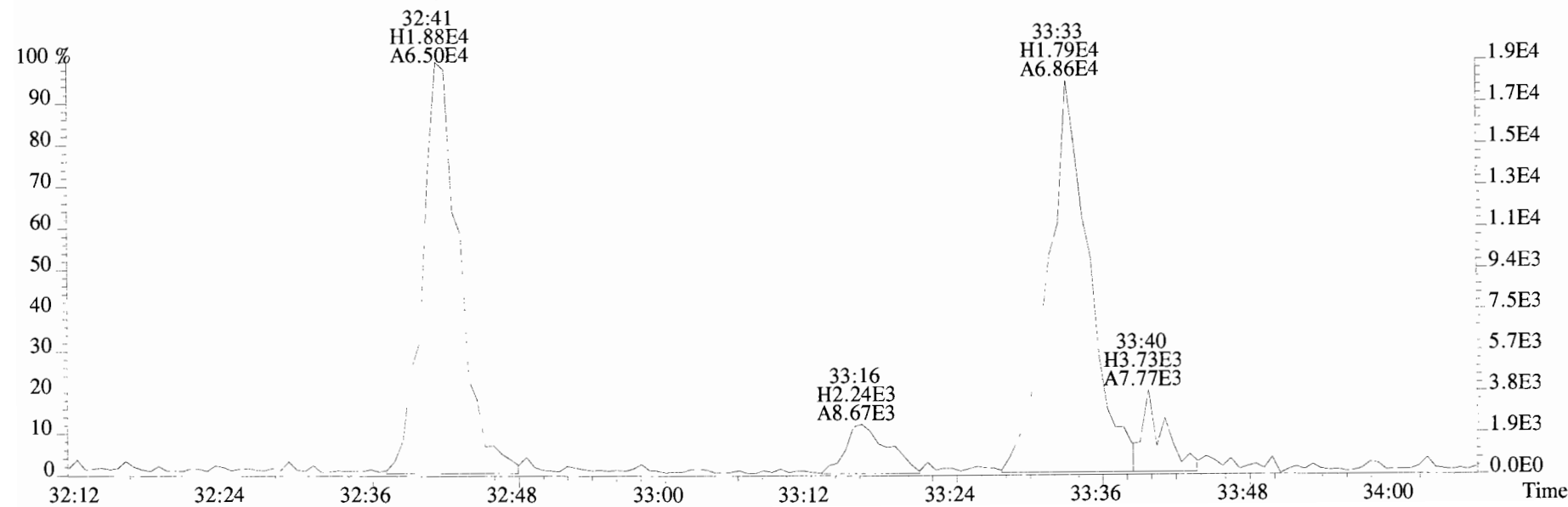
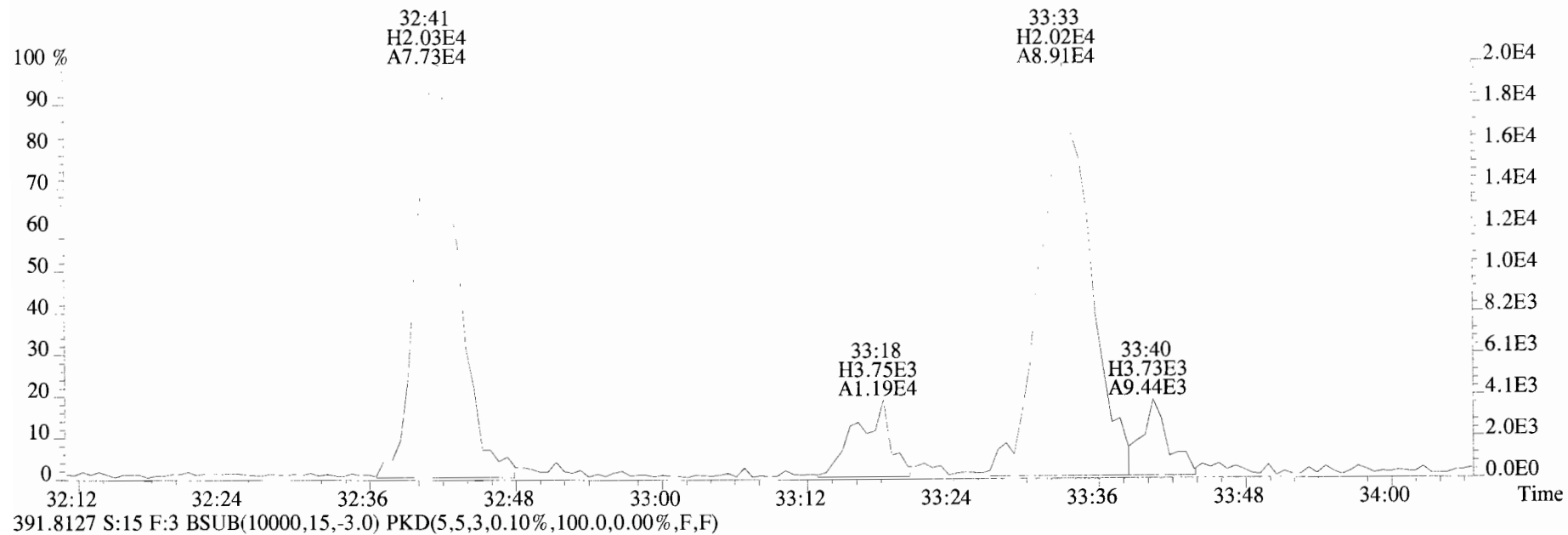
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 353.8576 S:15 F:2 BSUB(I0000,15,-3.0)



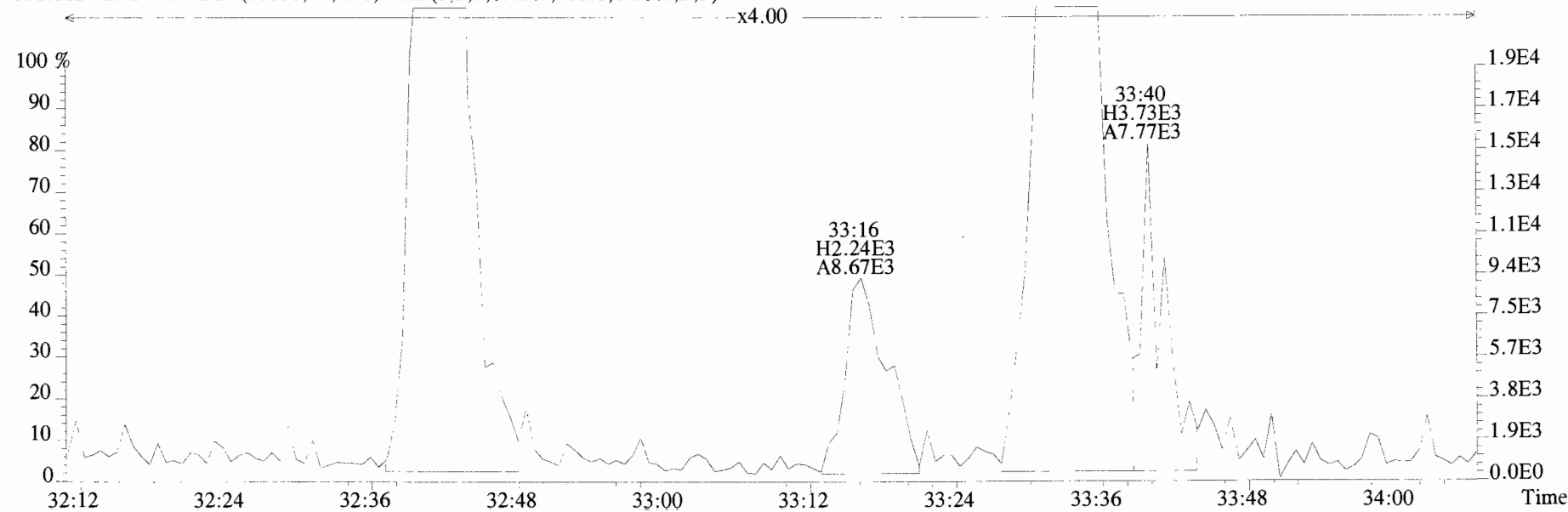
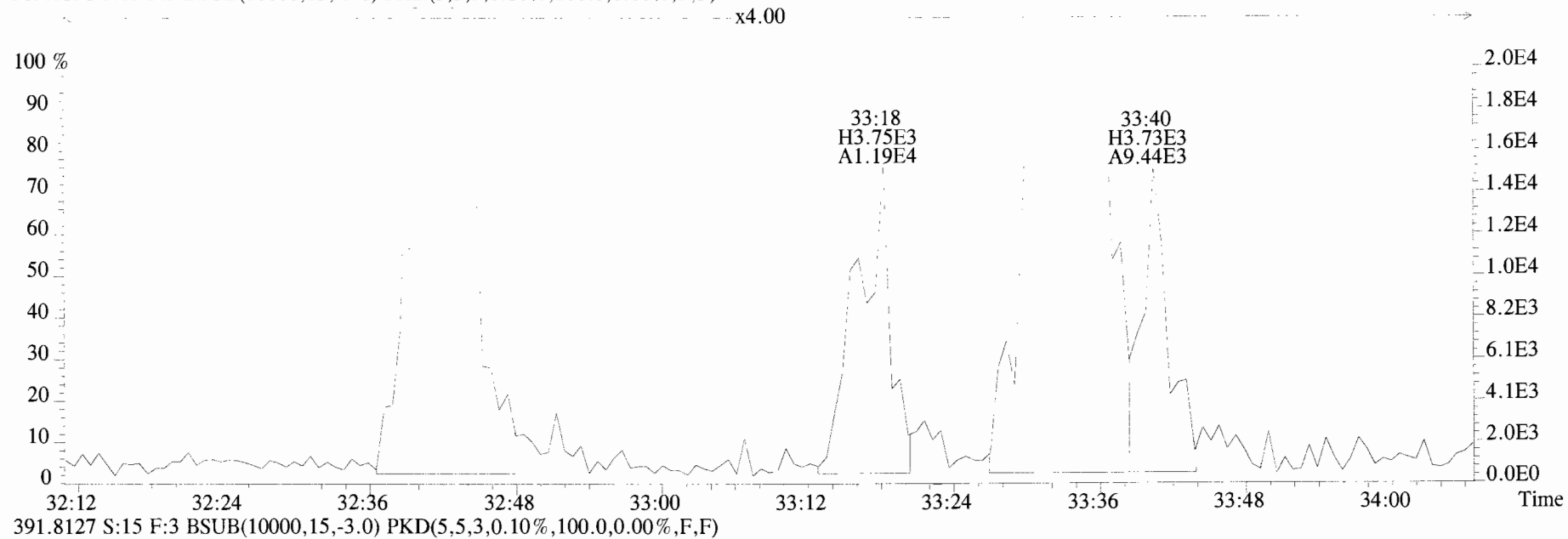
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 389.8156 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



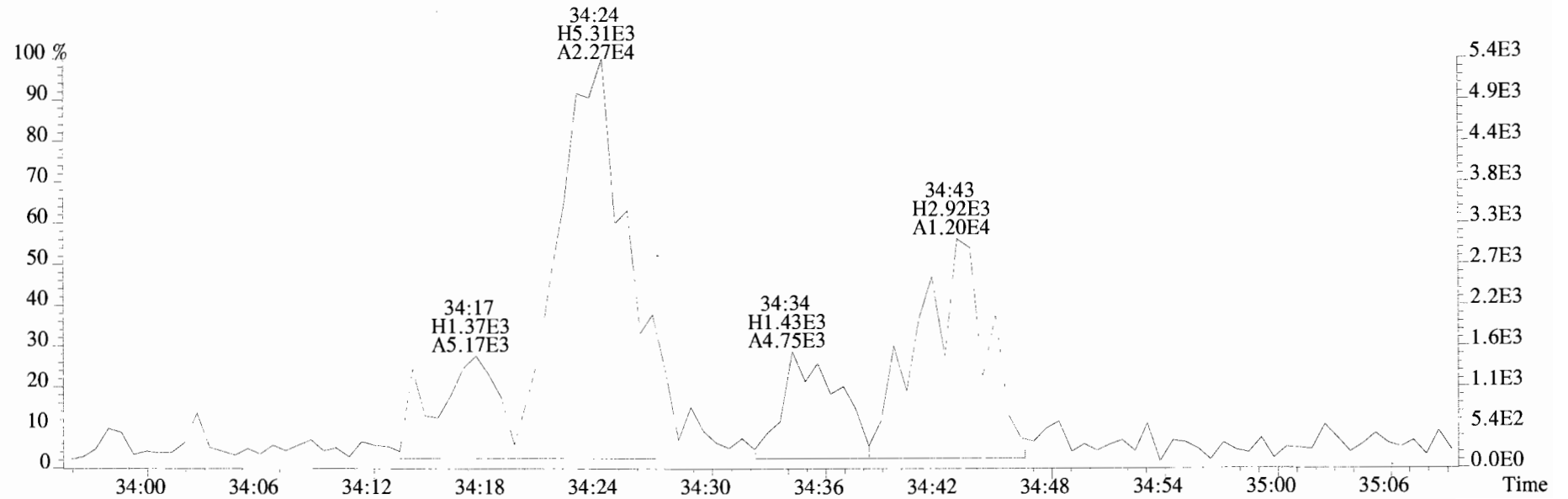
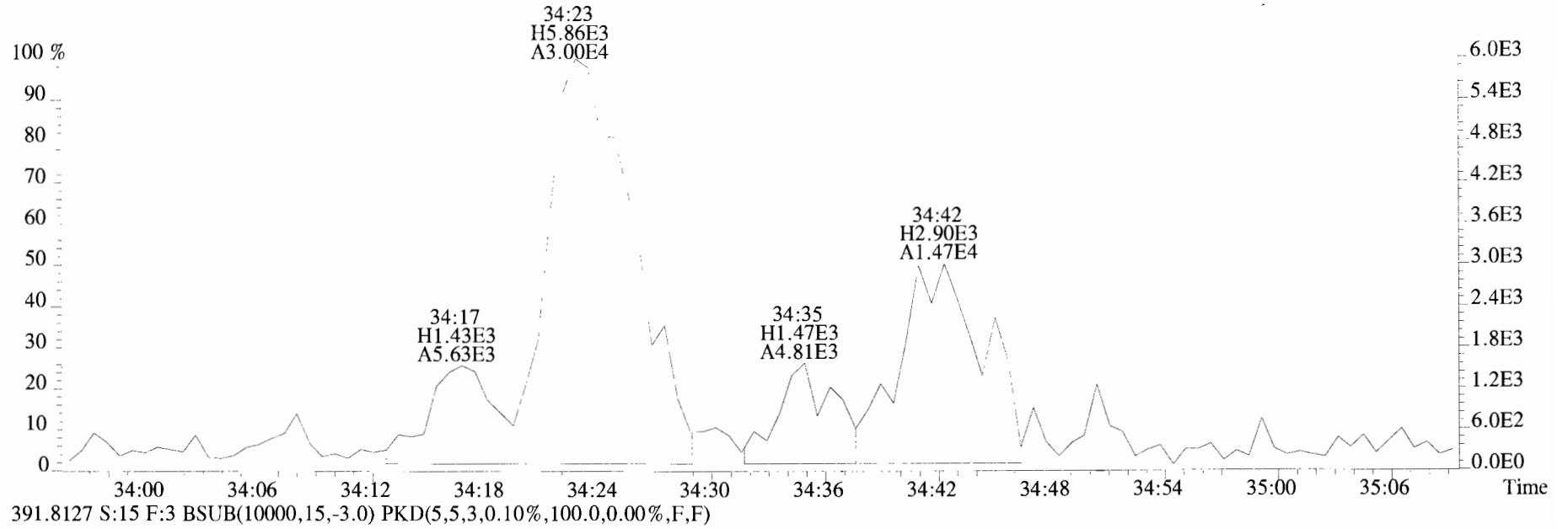
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
389.8156 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



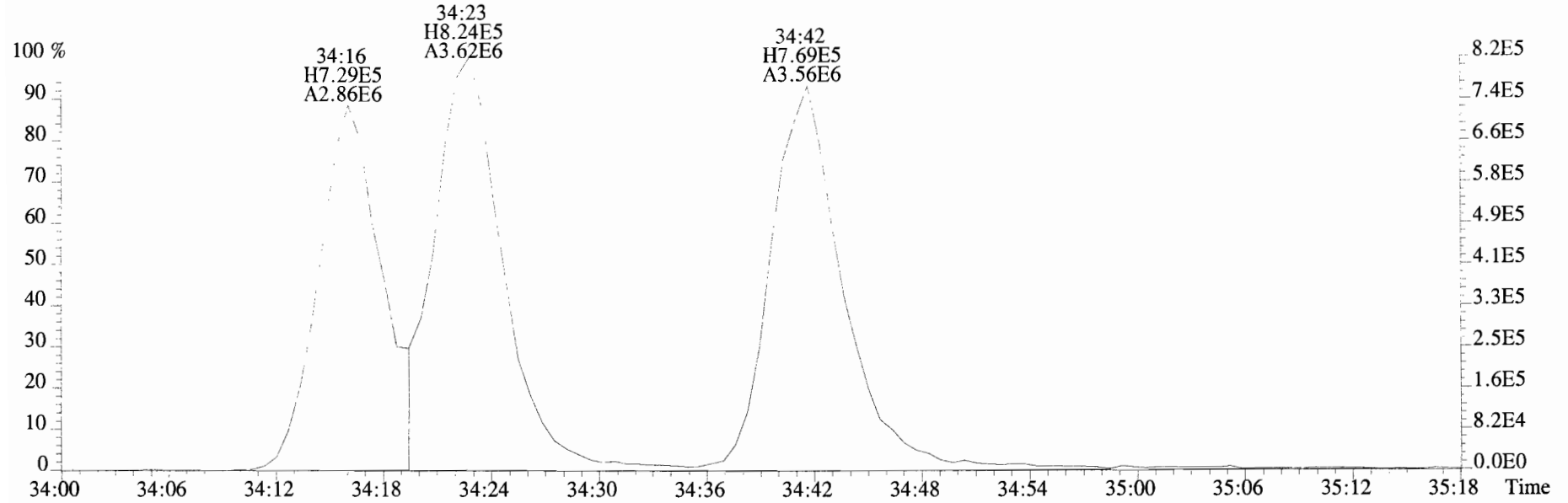
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
389.8156 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



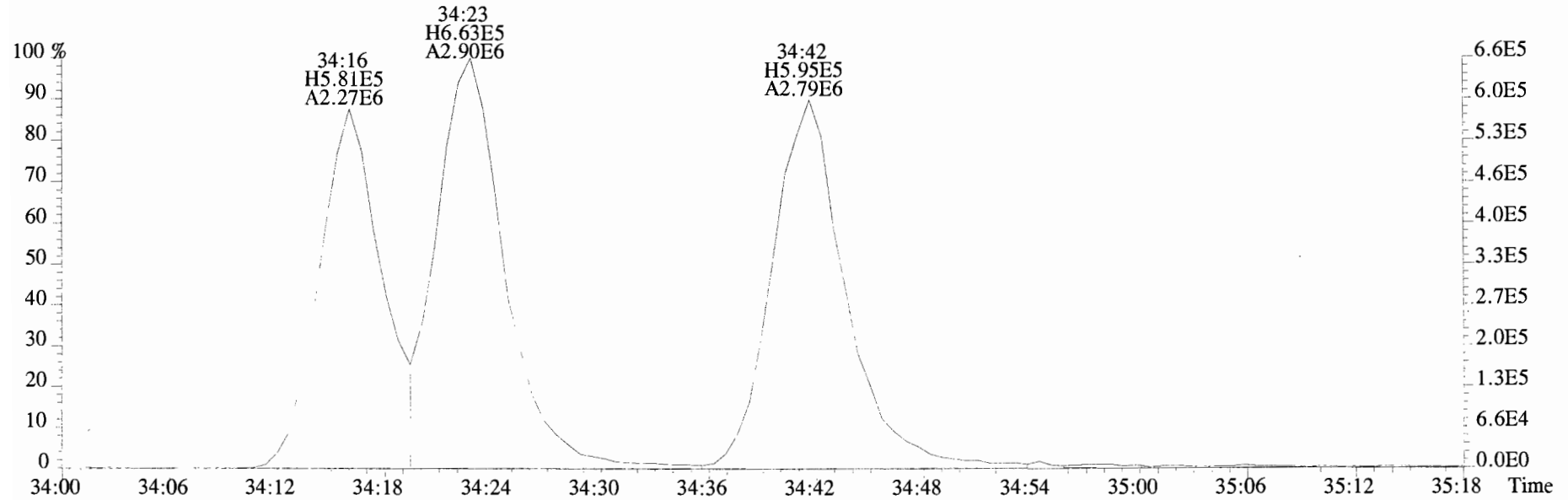
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
389.8156 S:15 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



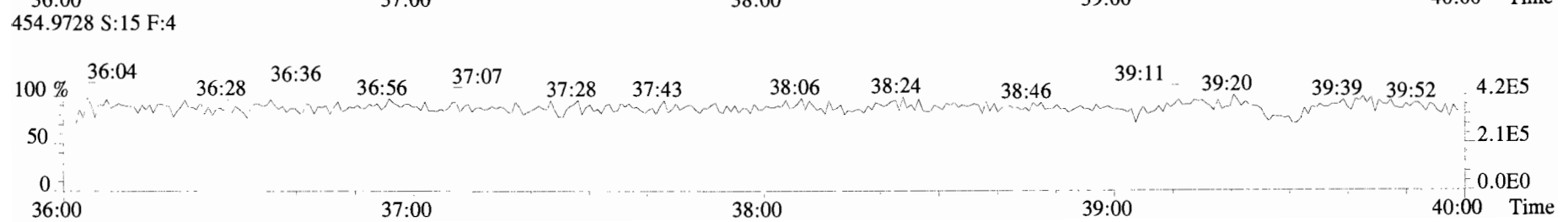
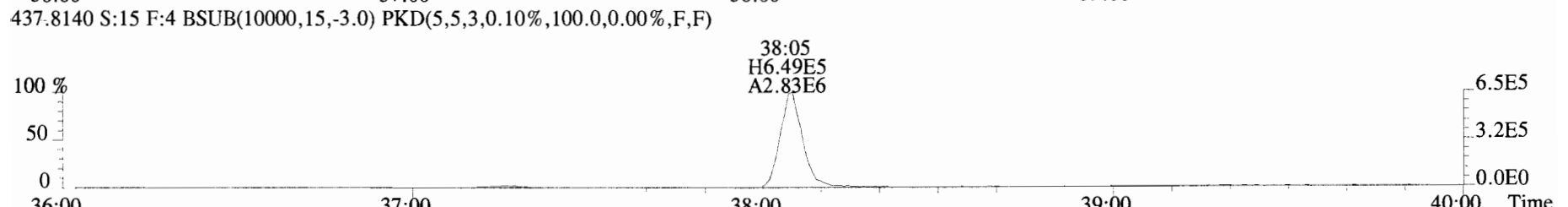
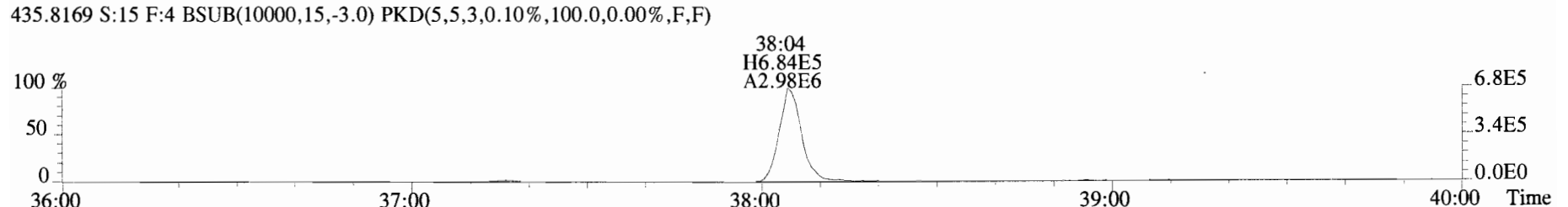
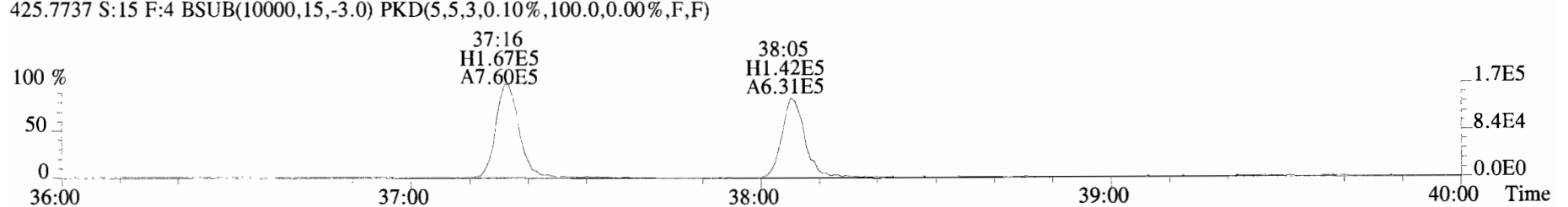
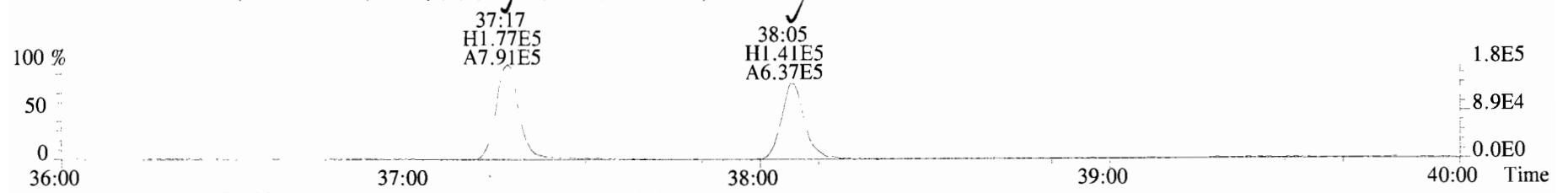
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 401.8559 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



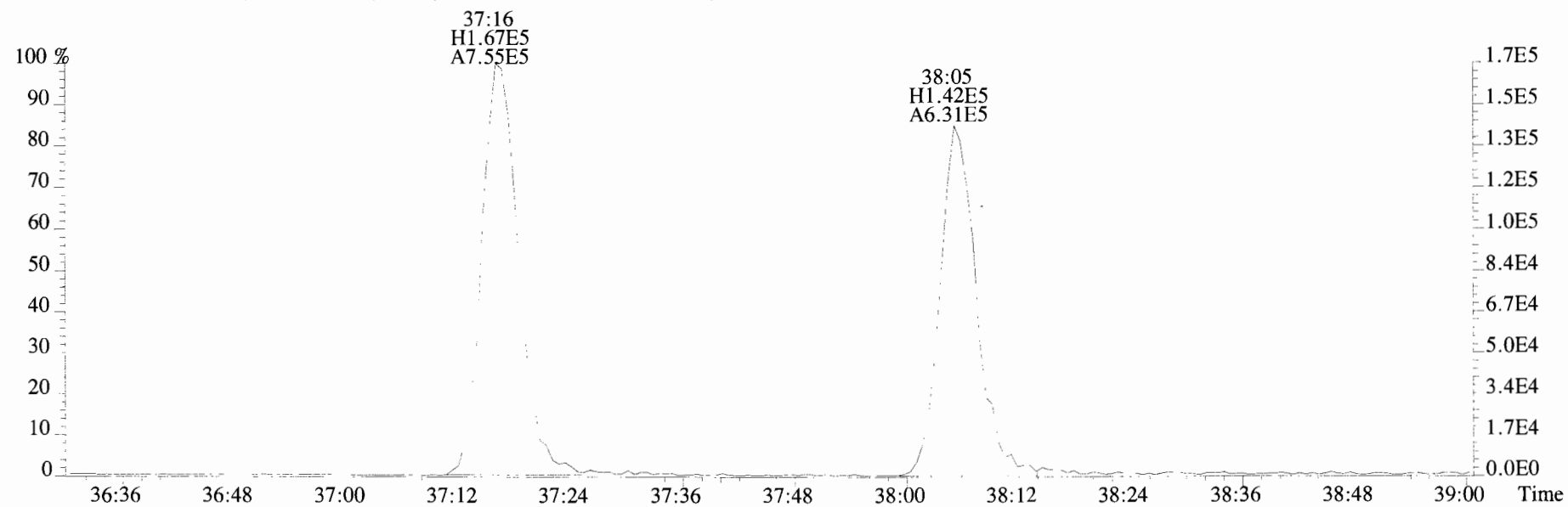
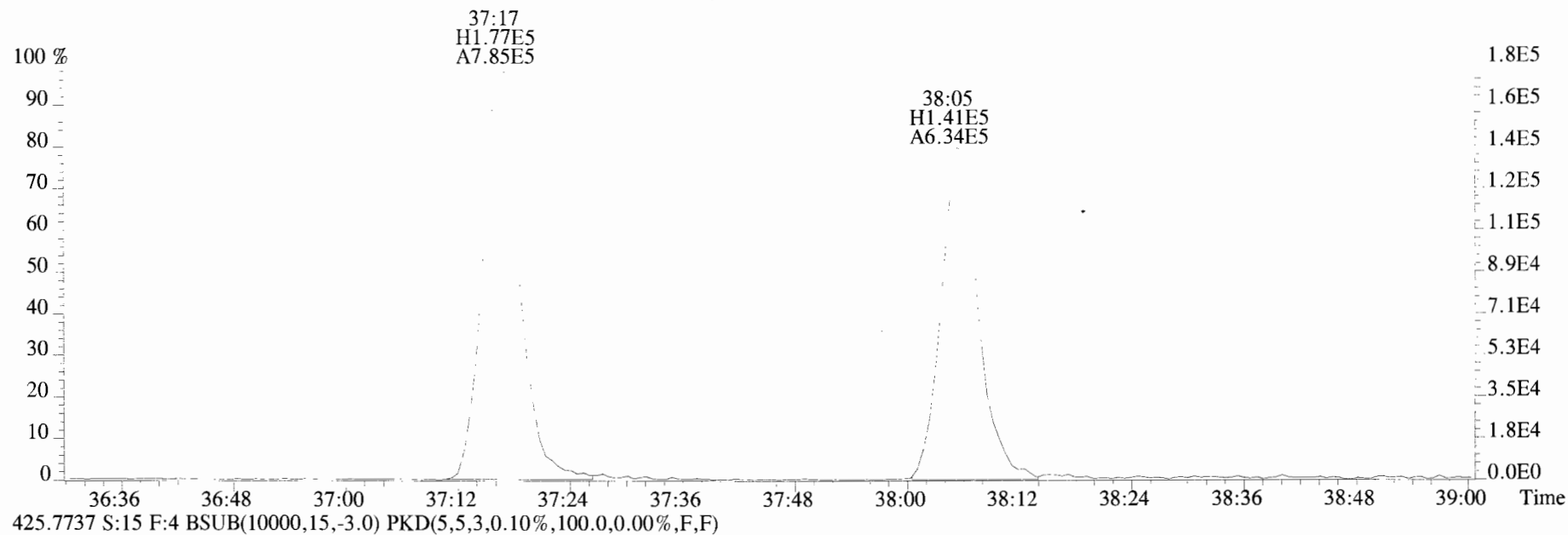
403.8530 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



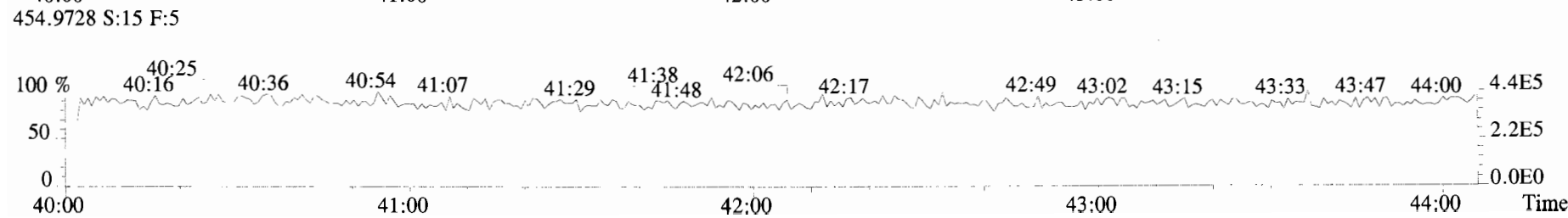
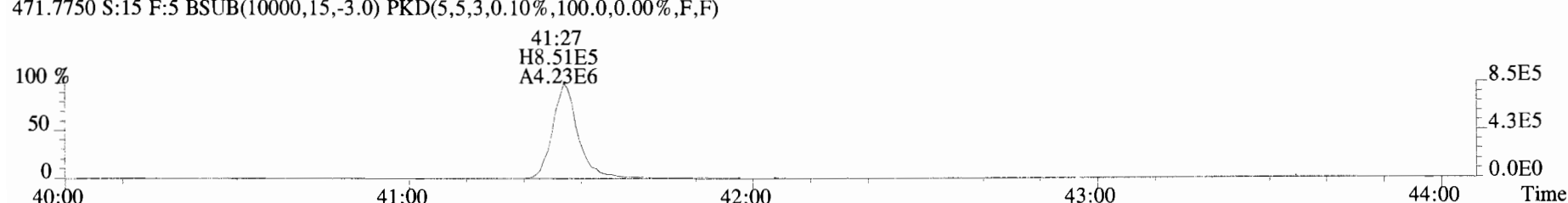
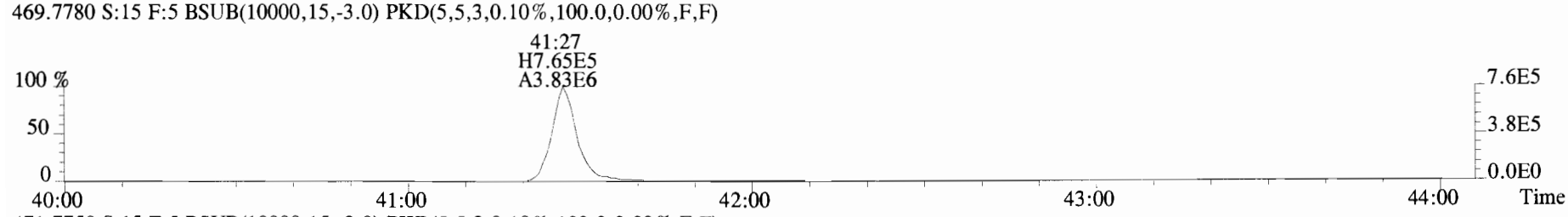
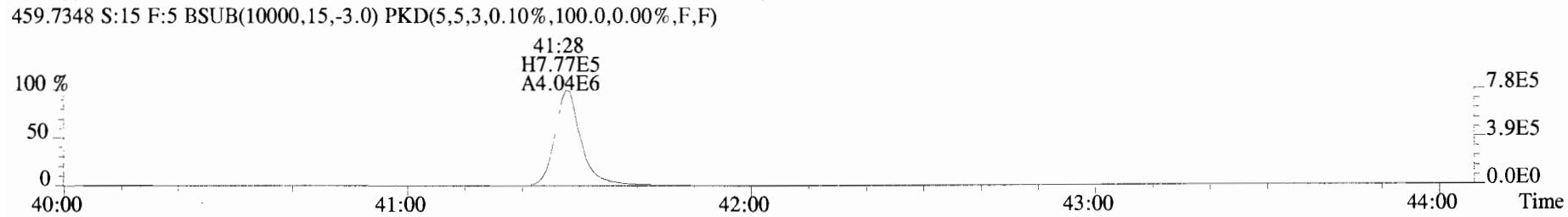
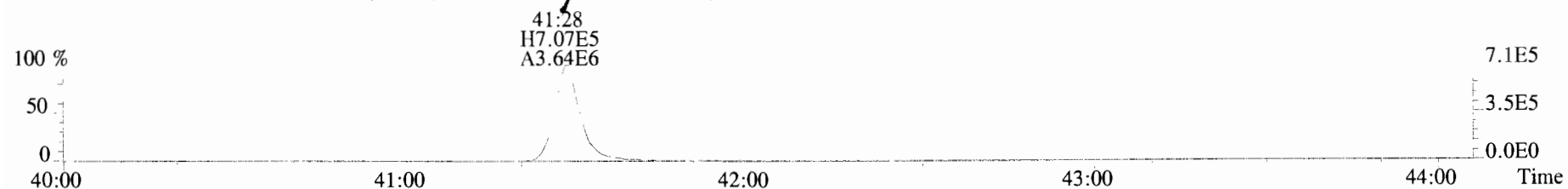
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
423.7767 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



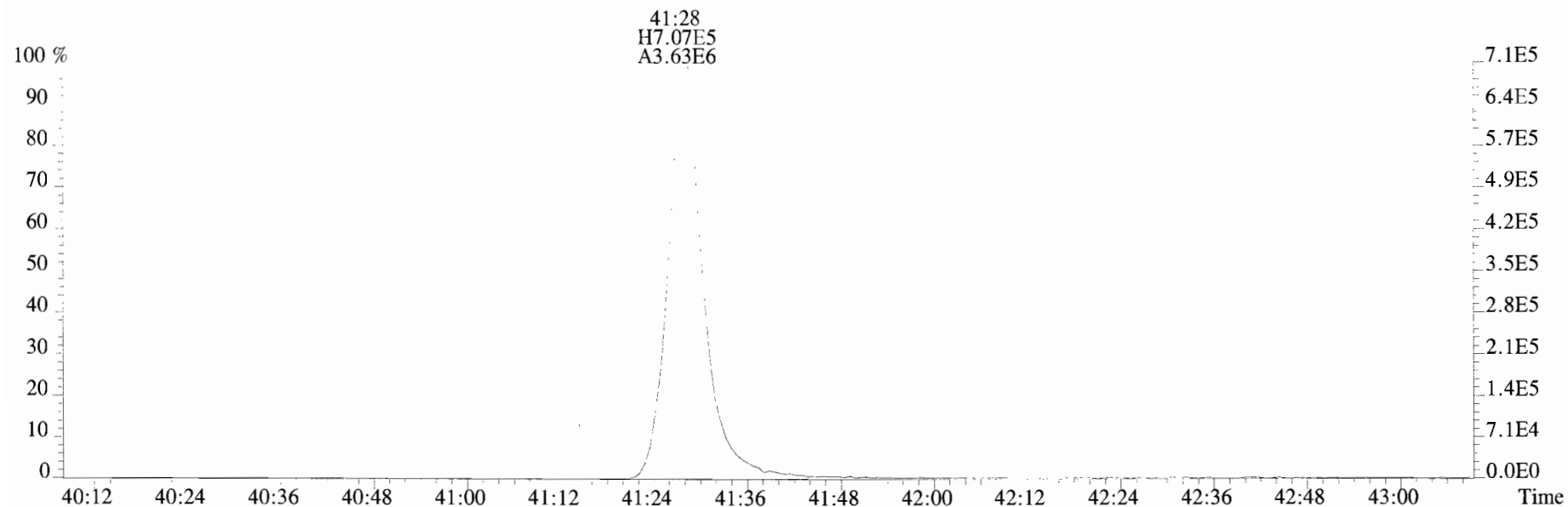
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
423.7767 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



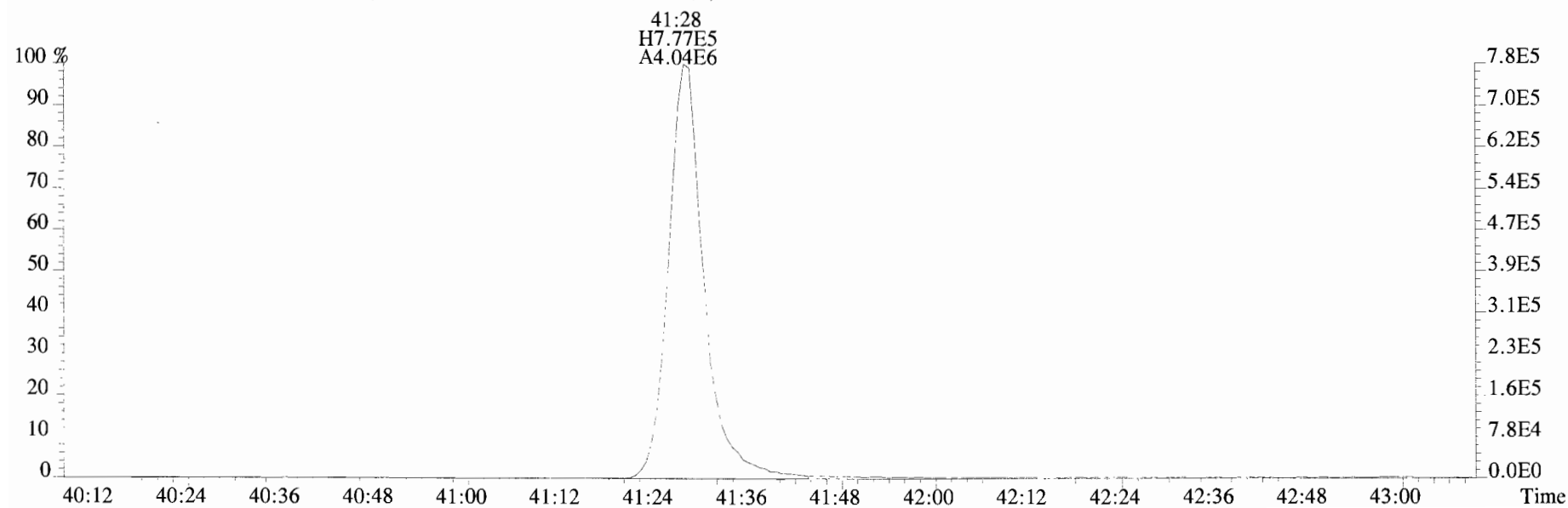
File:191009D1 #1-432 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
457.7377 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



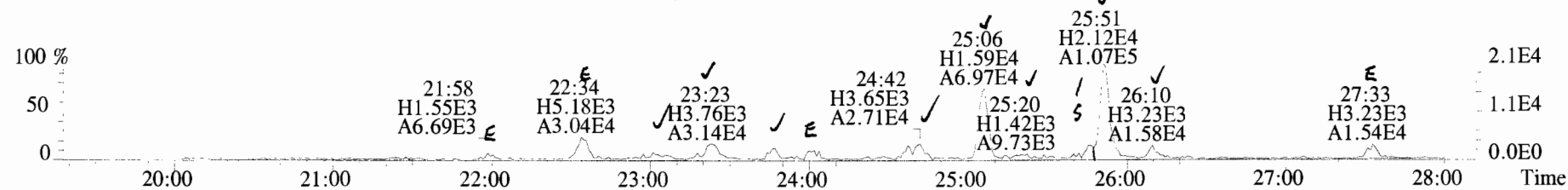
File:191009D1 #1-432 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
457.7377 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



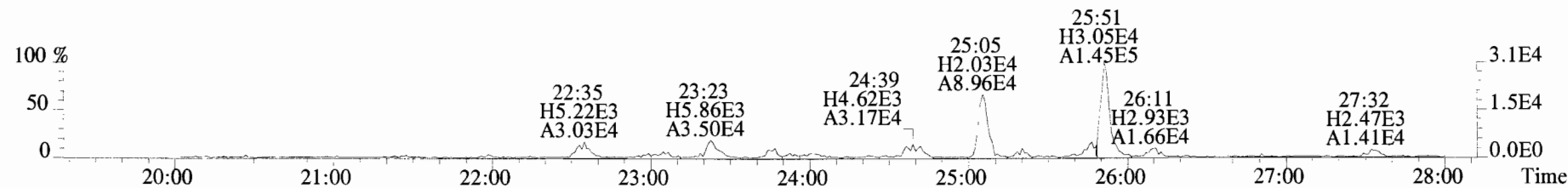
459.7348 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



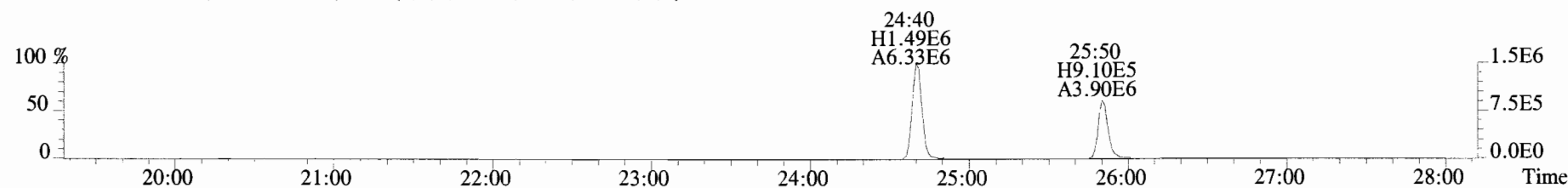
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



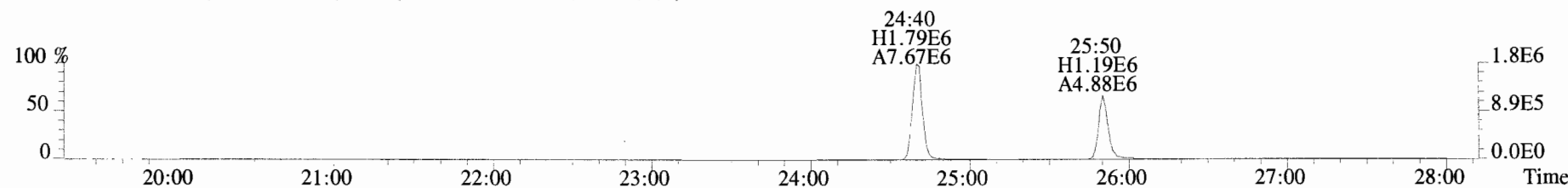
305.8987 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



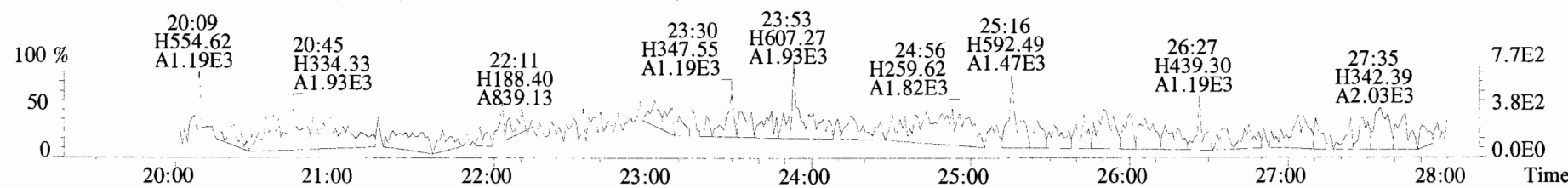
315.9419 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



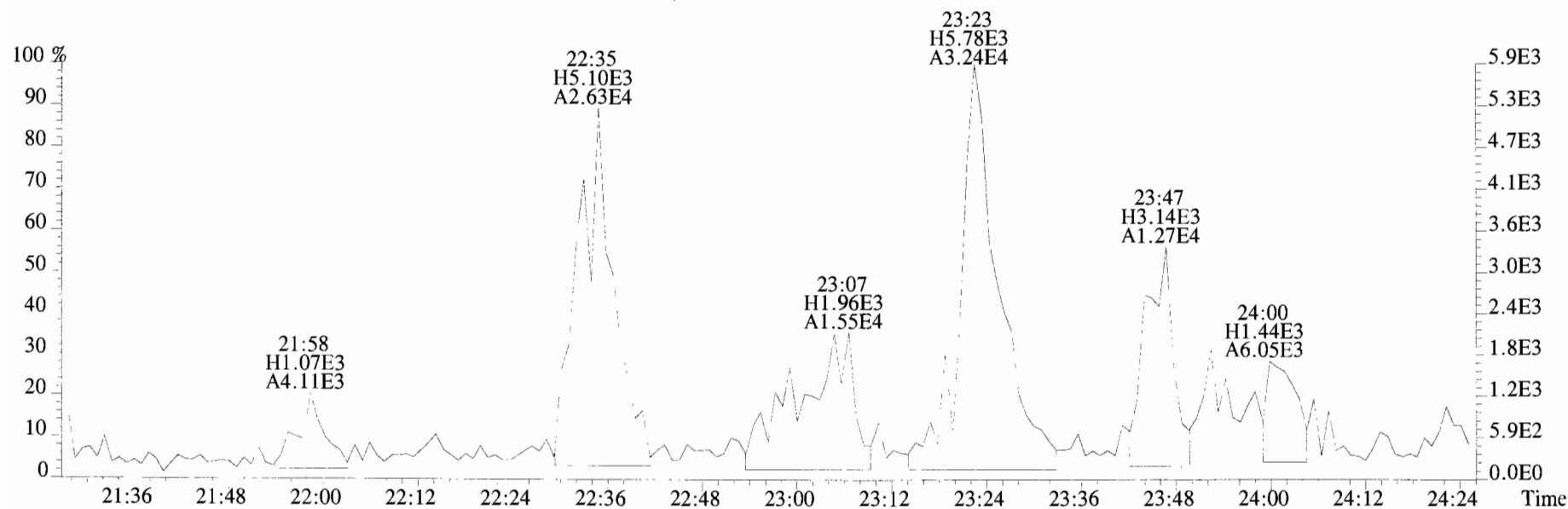
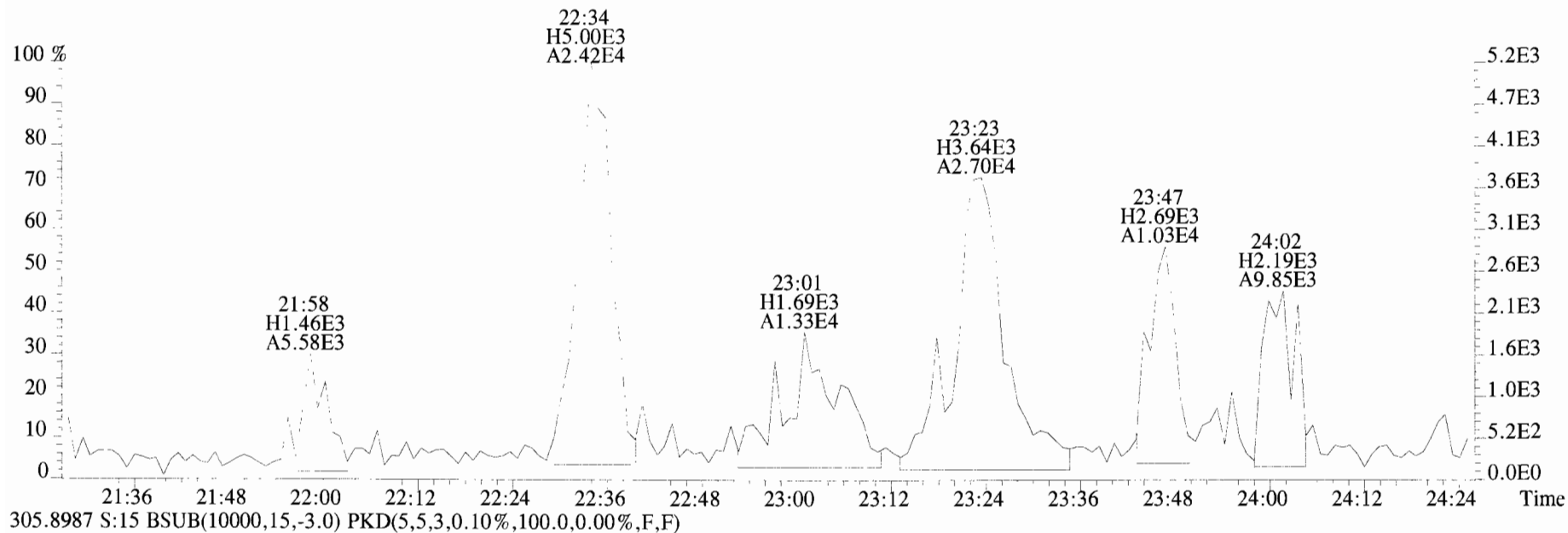
317.9389 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



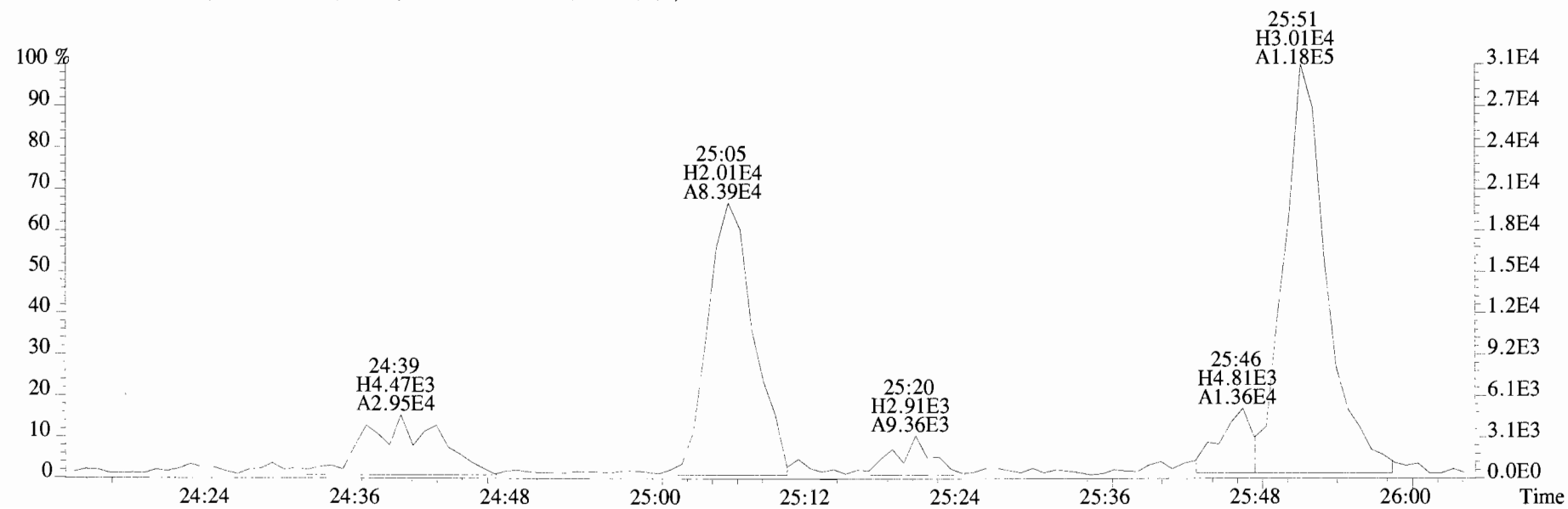
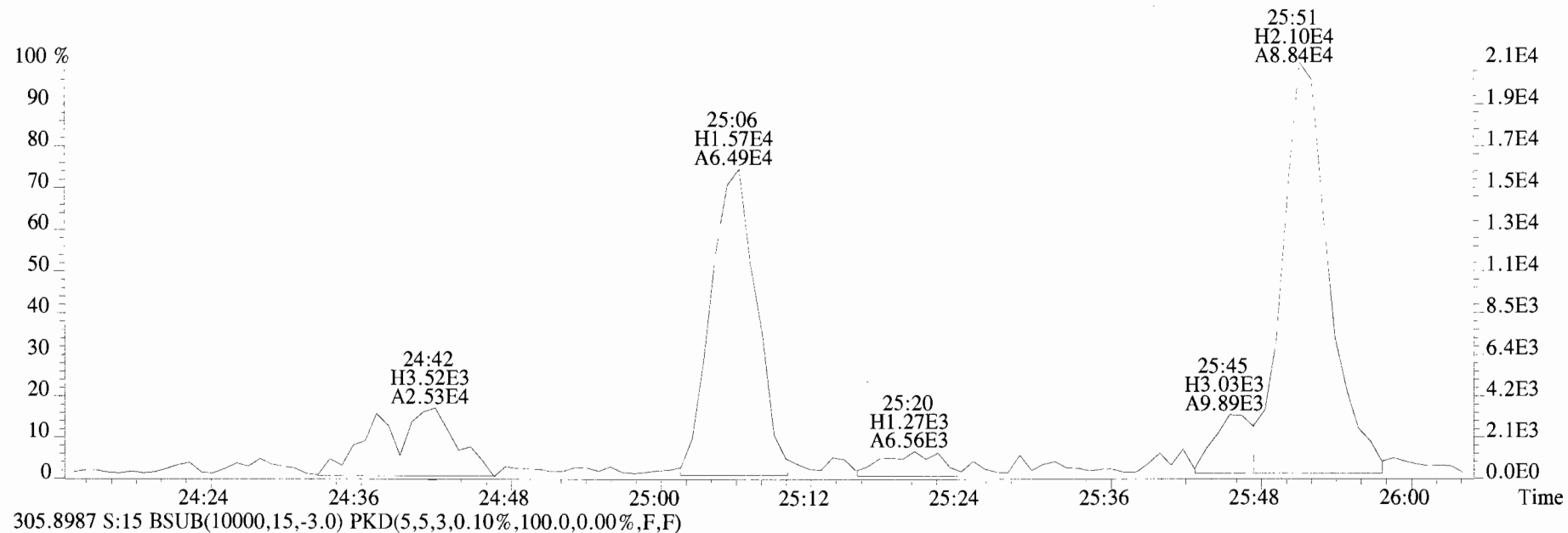
375.8364 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



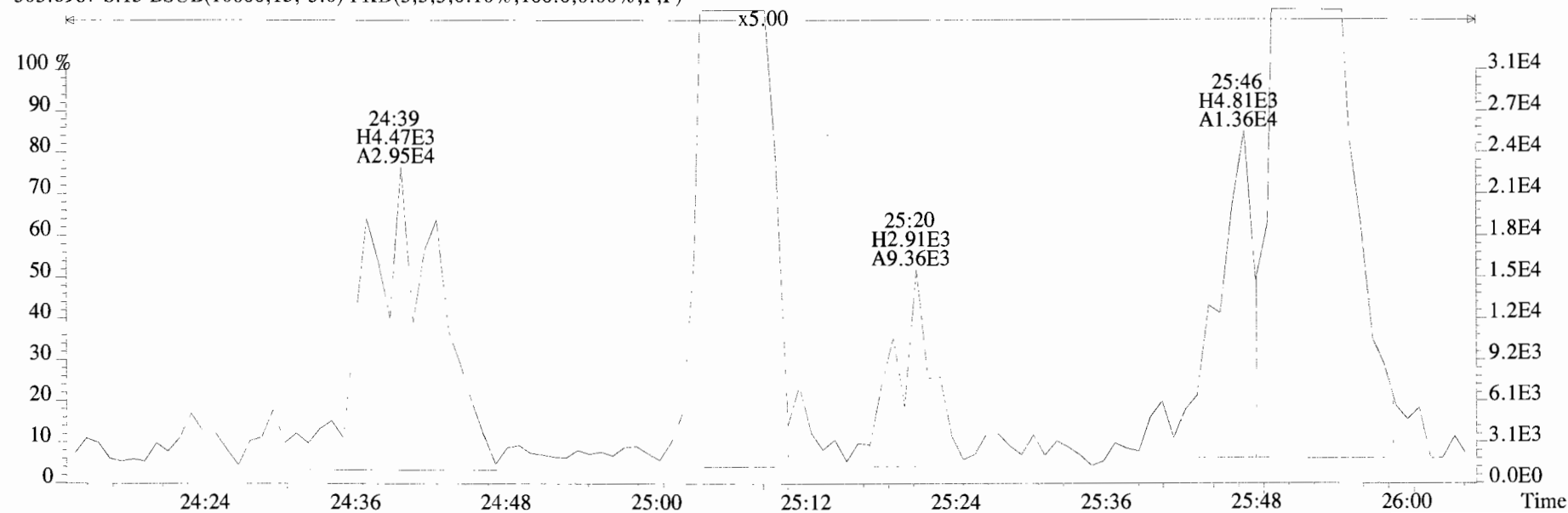
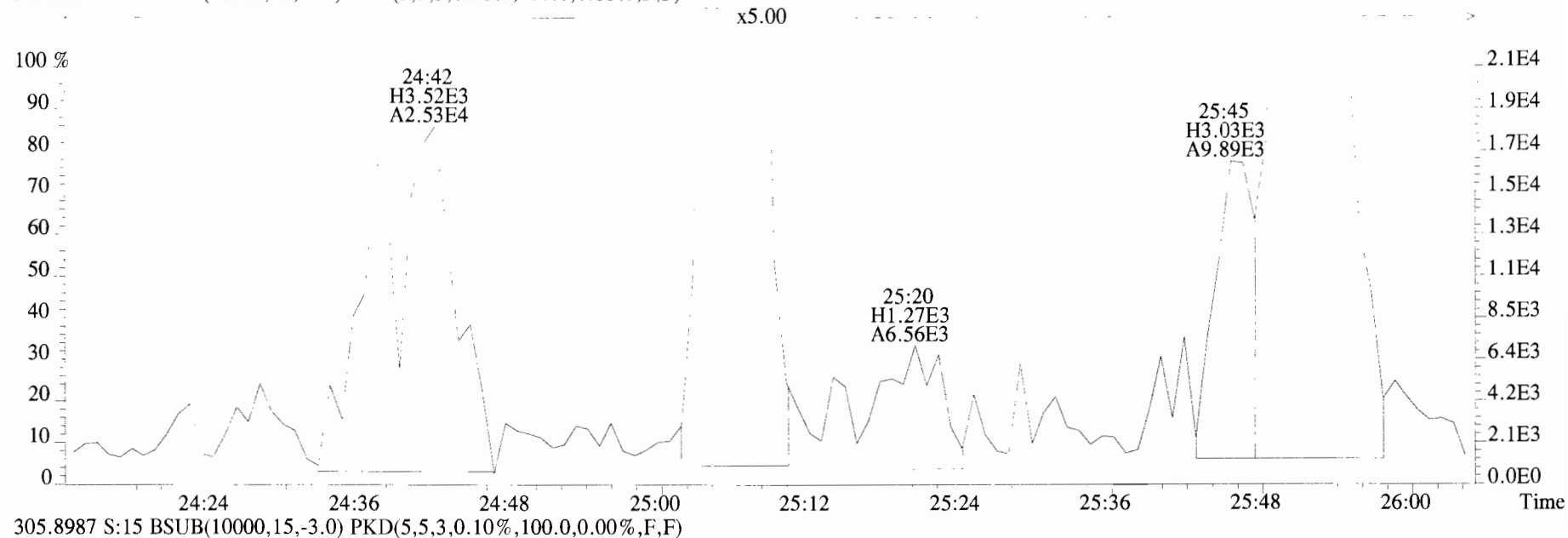
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



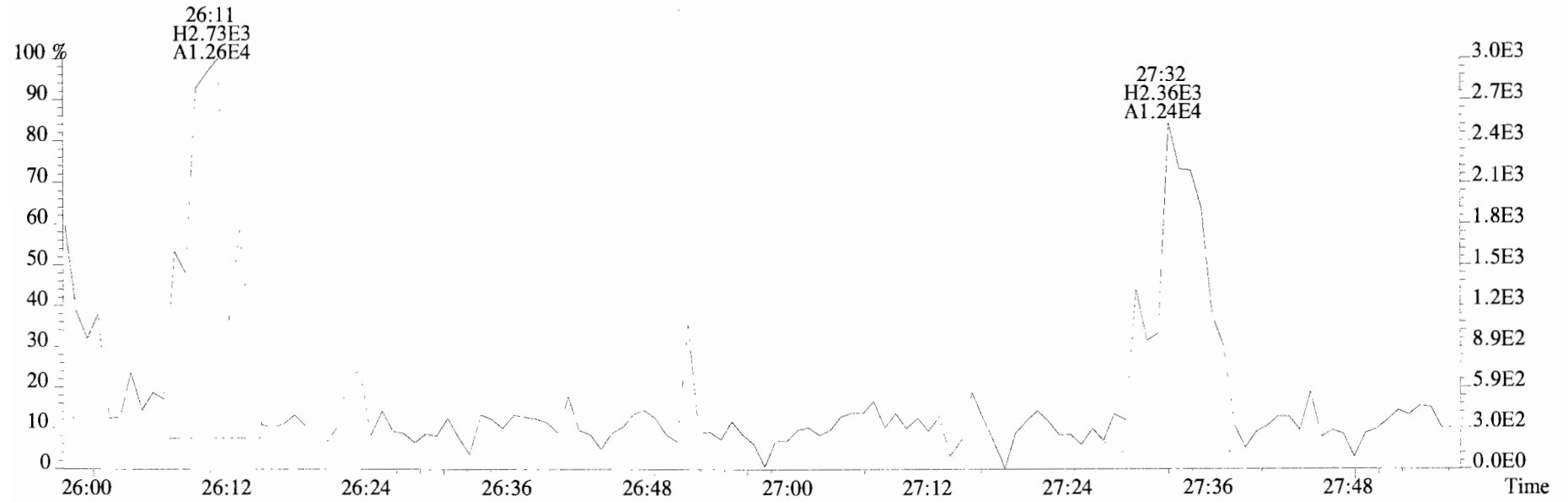
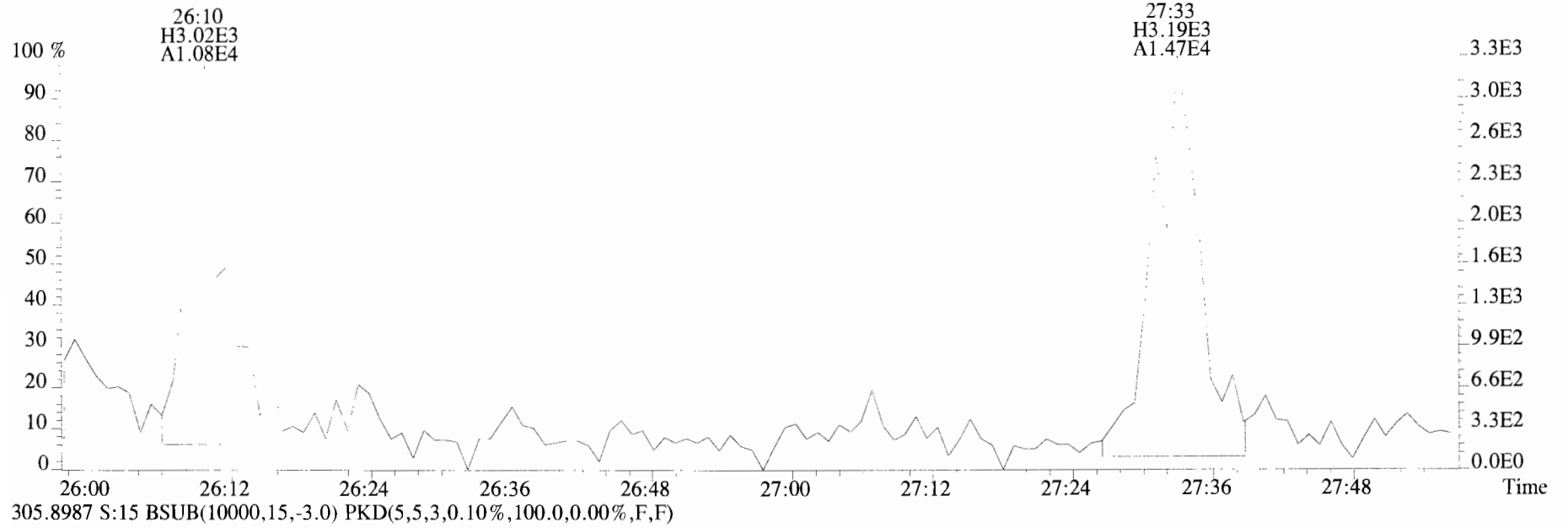
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



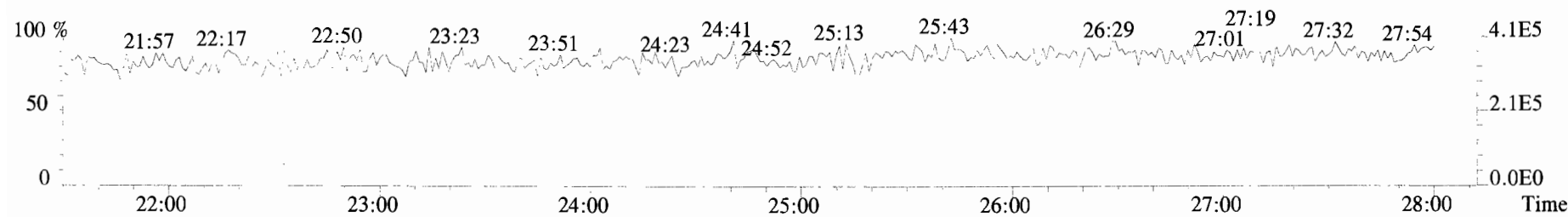
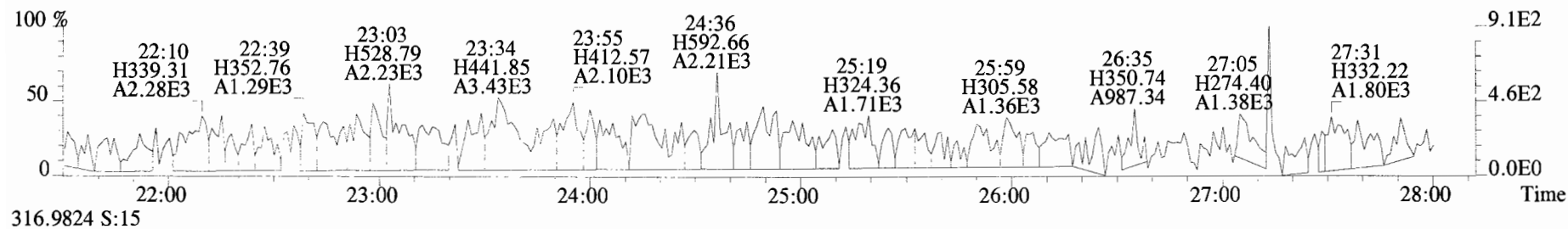
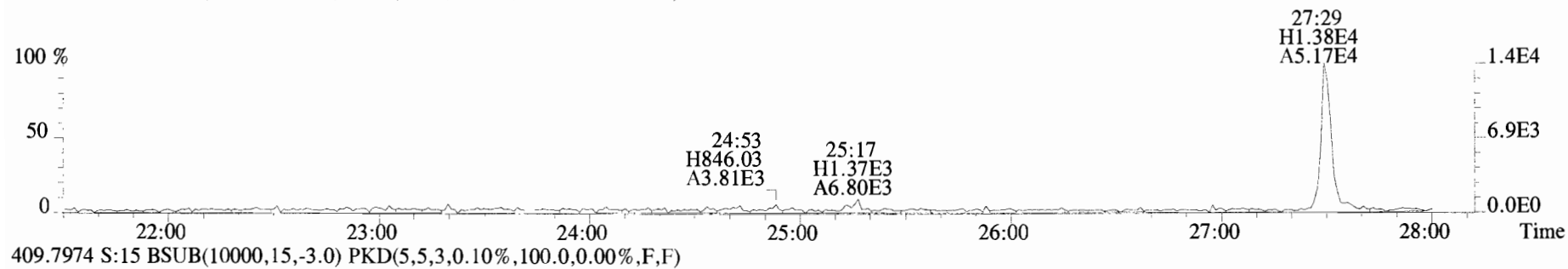
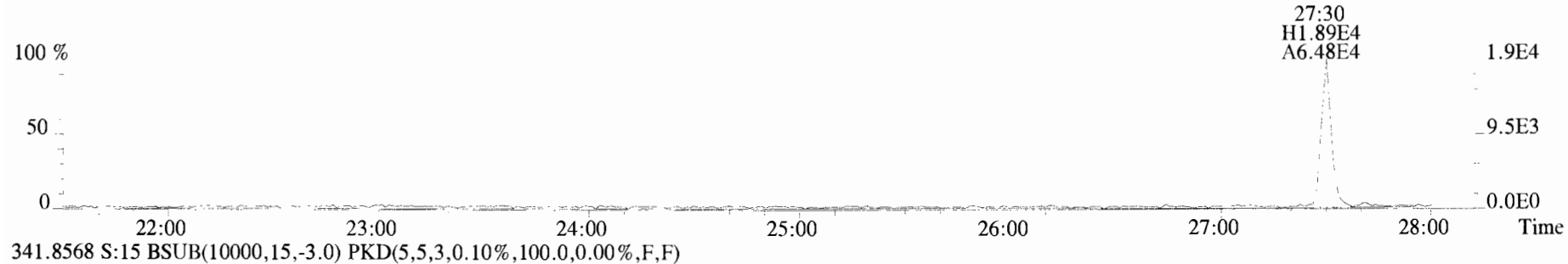
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



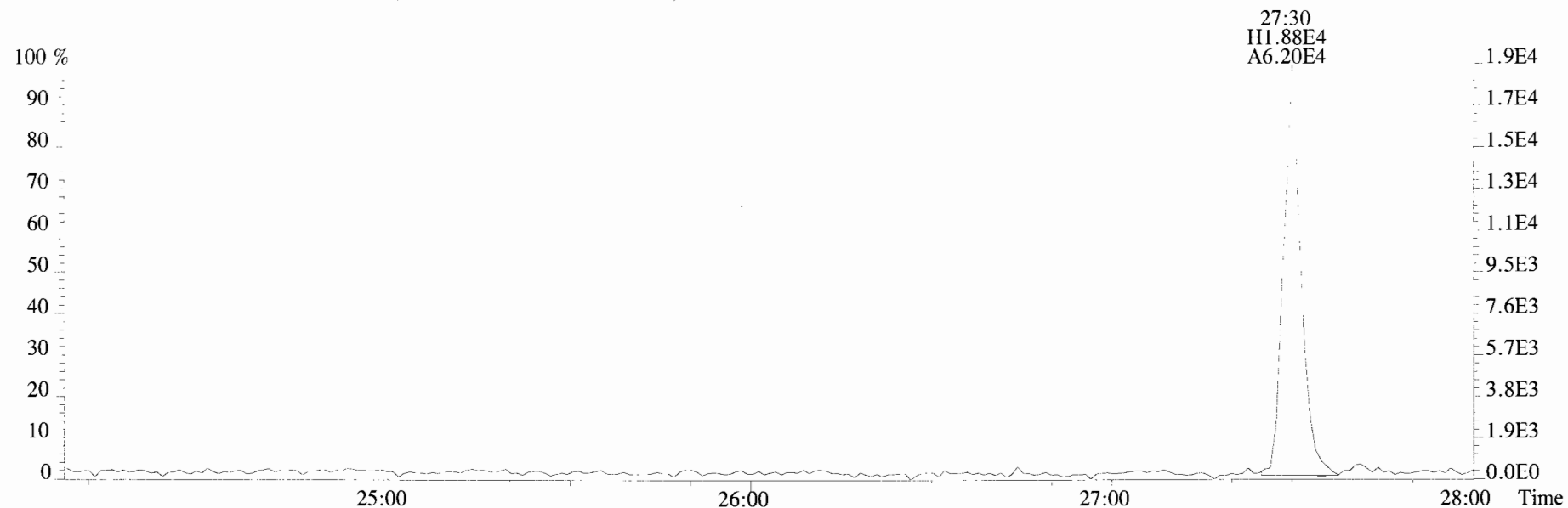
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



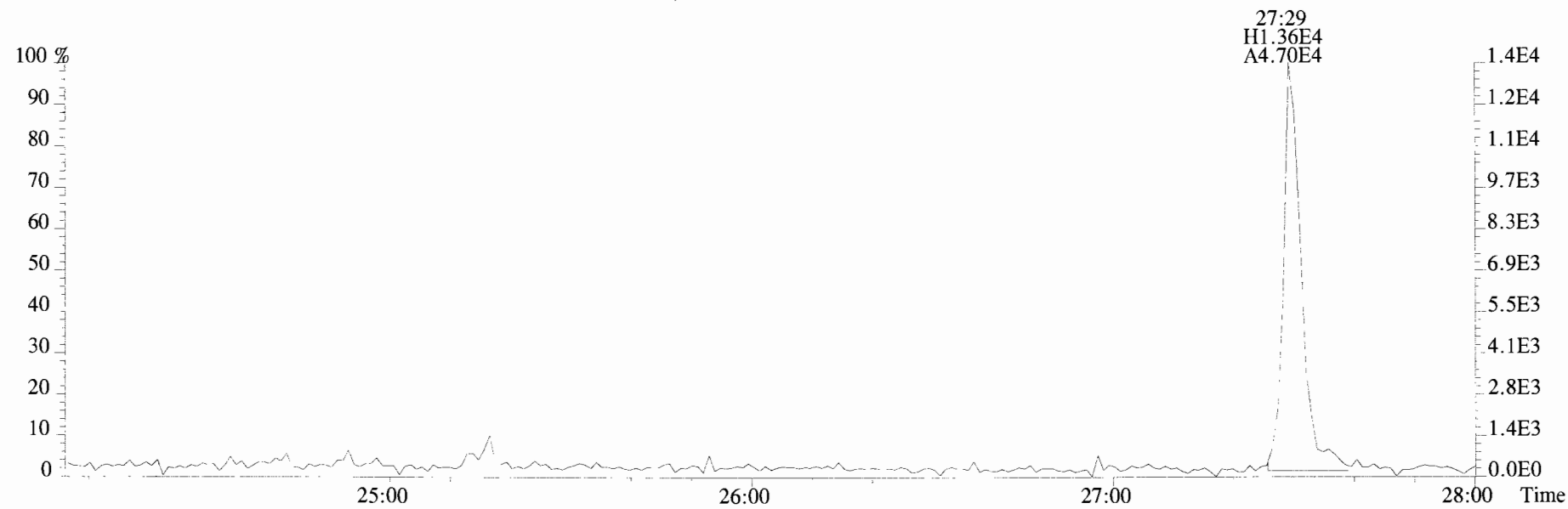
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 339.8597 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



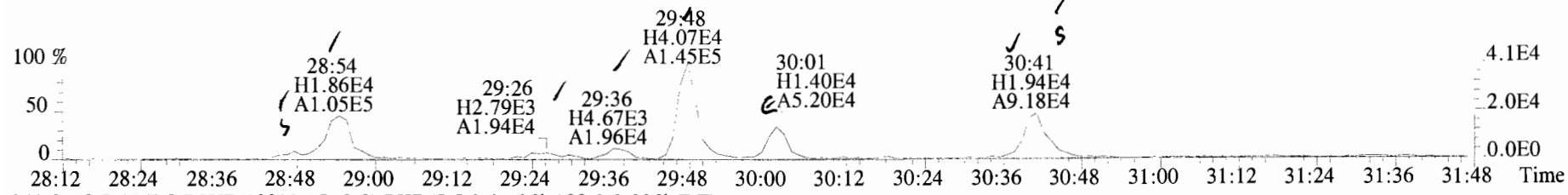
File:191009D1 #1-513 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



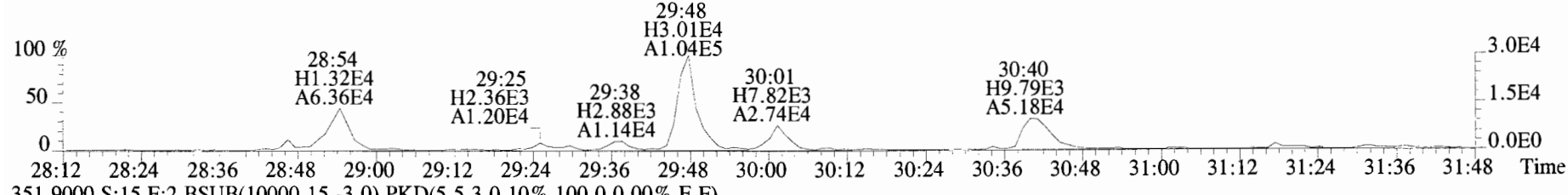
341.8568 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



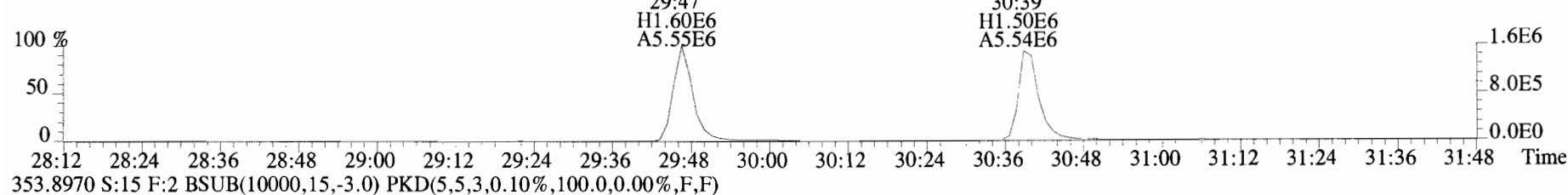
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



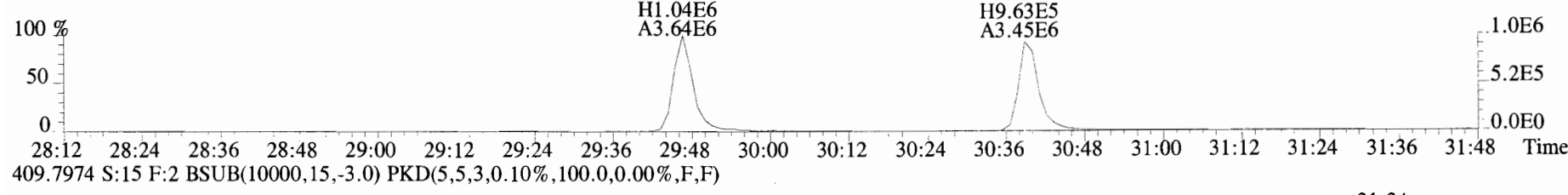
341.8568 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



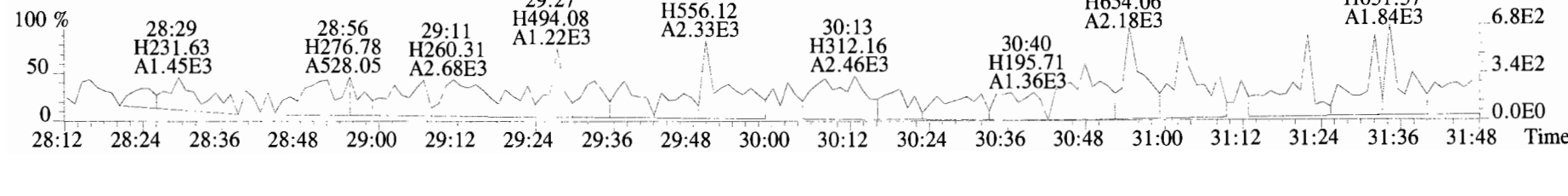
351.9000 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



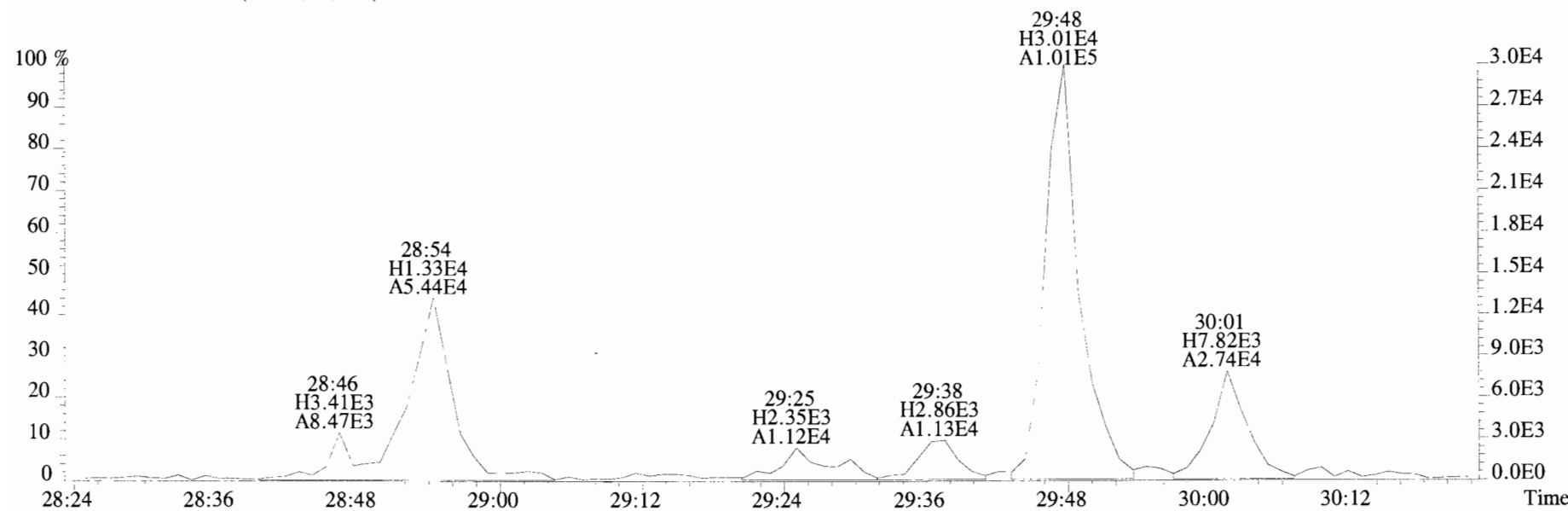
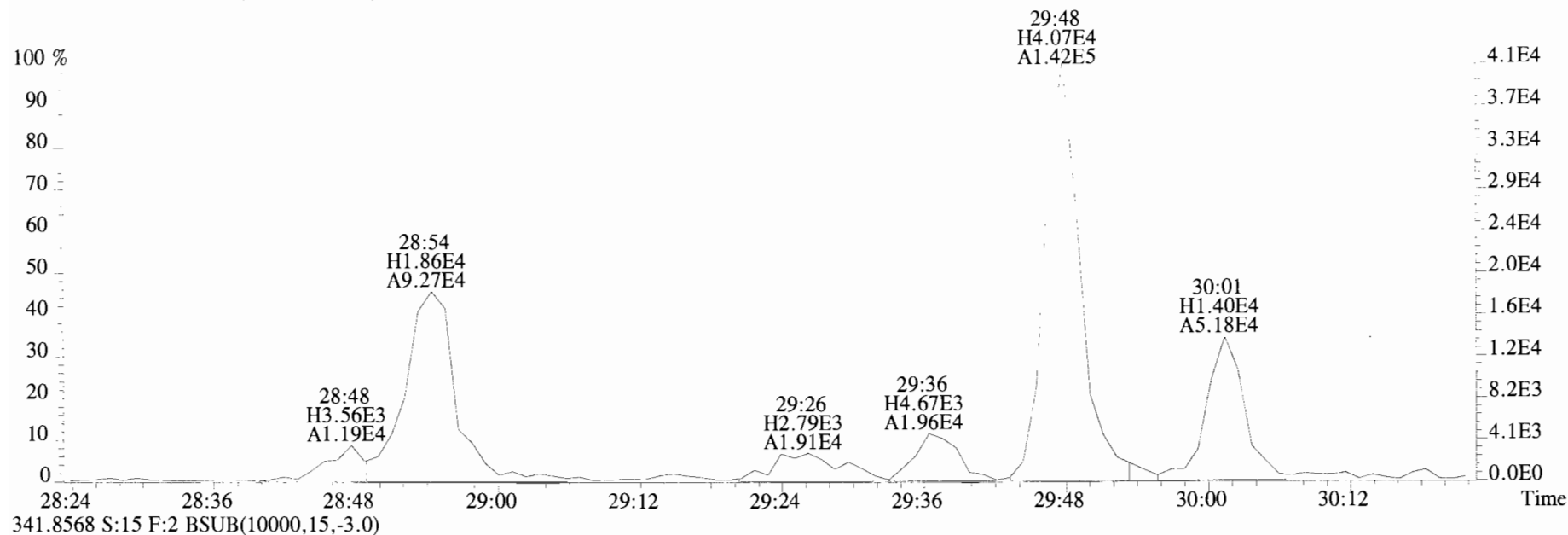
353.8970 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



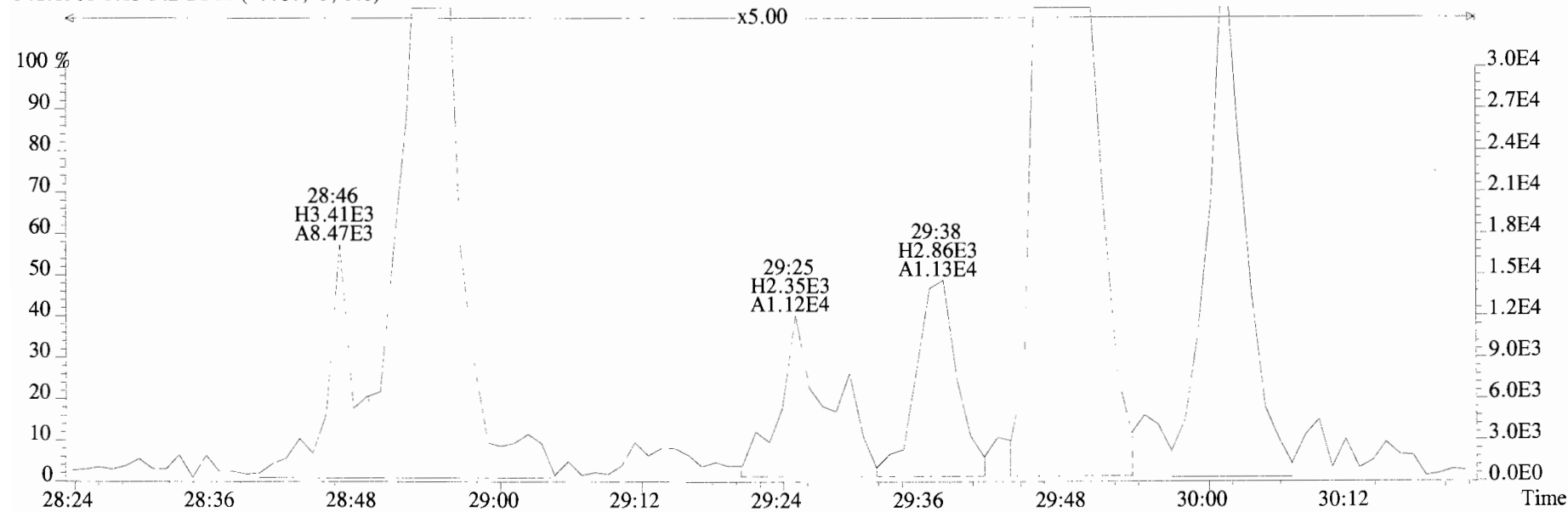
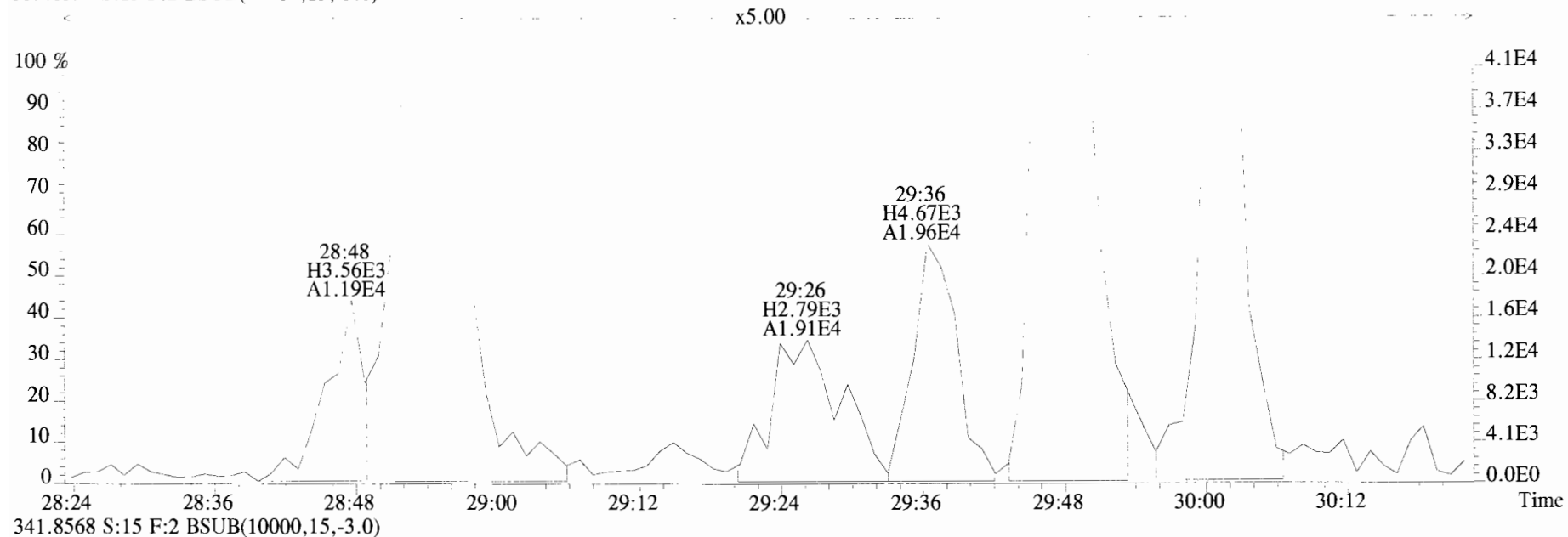
409.7974 S:15 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



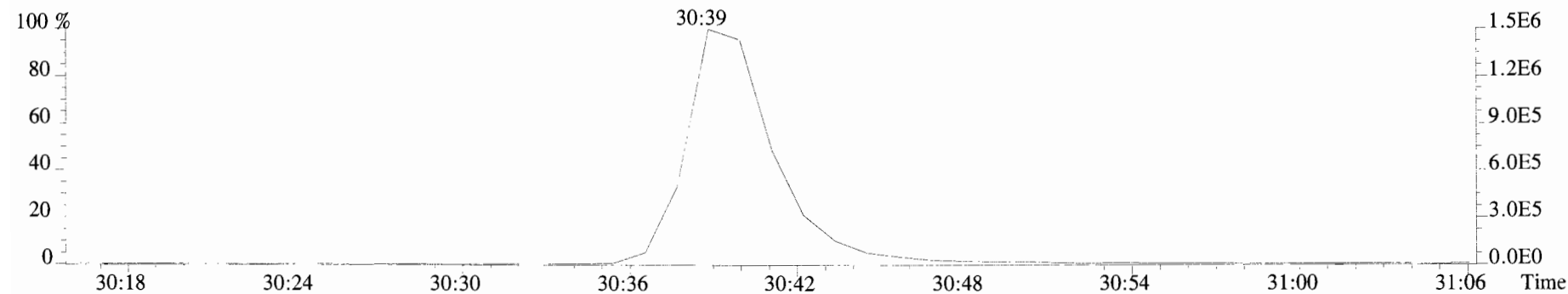
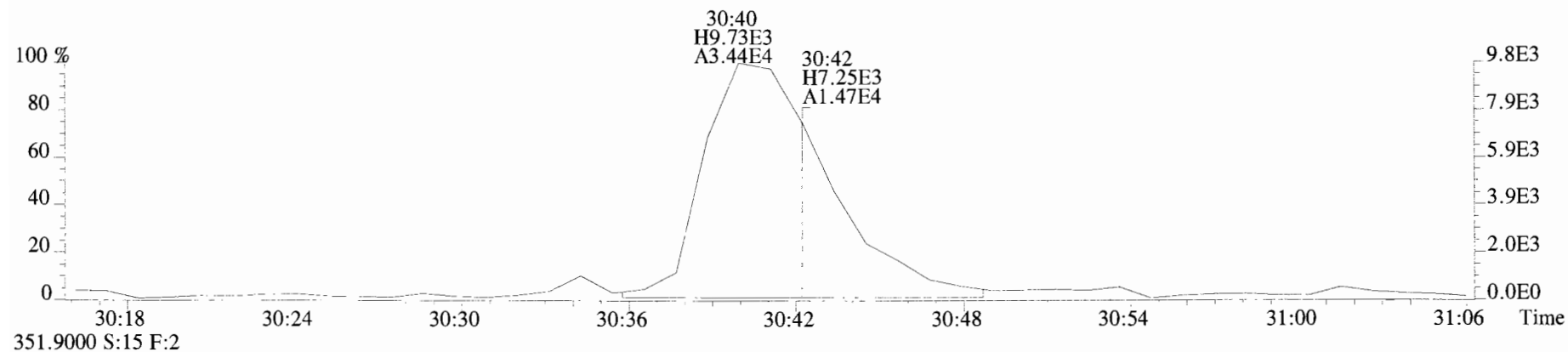
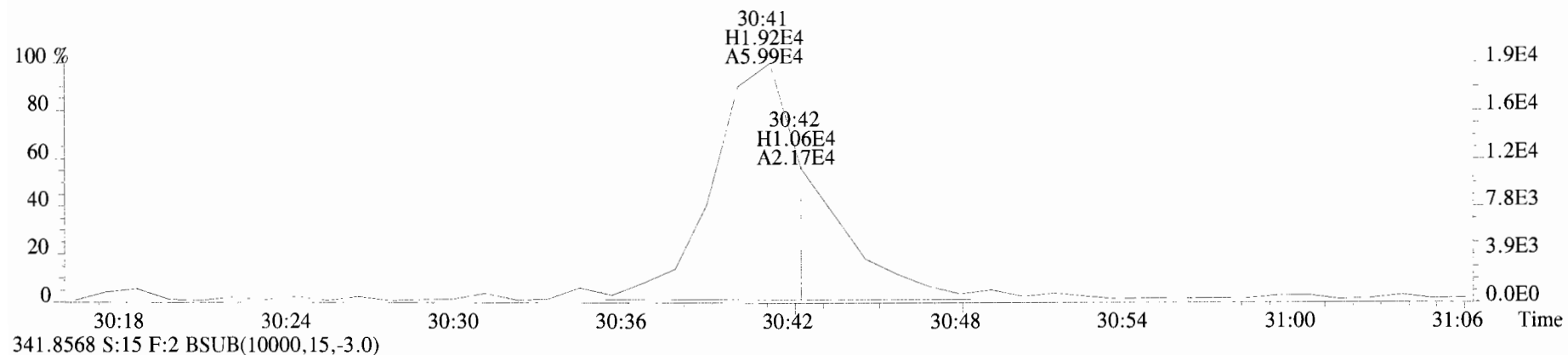
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
 339.8597 S:15 F:2 BSUB(10000,15,-3.0)



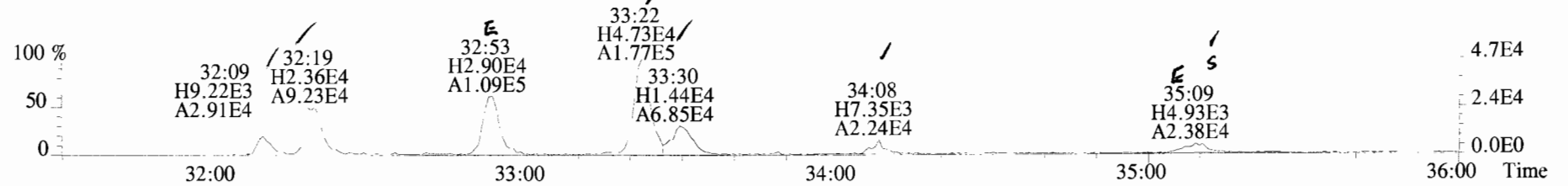
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0)



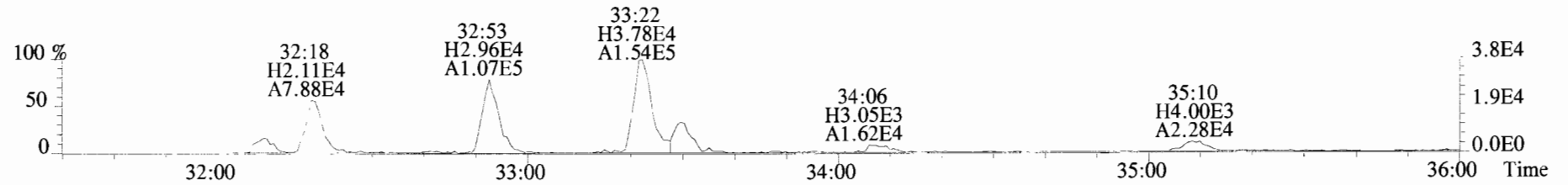
File:191009D1 #1-211 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
339.8597 S:15 F:2 BSUB(10000,15,-3.0)



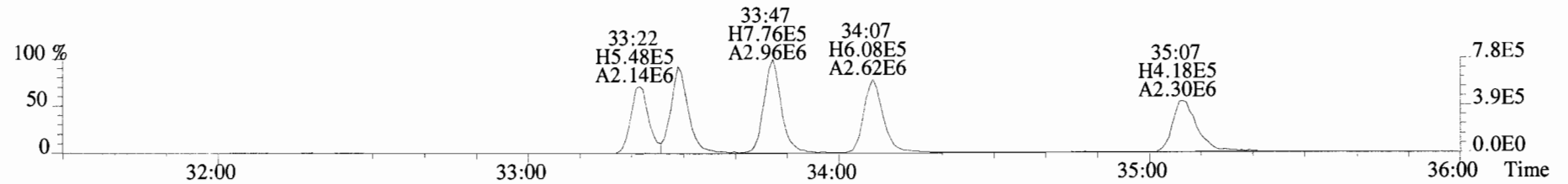
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



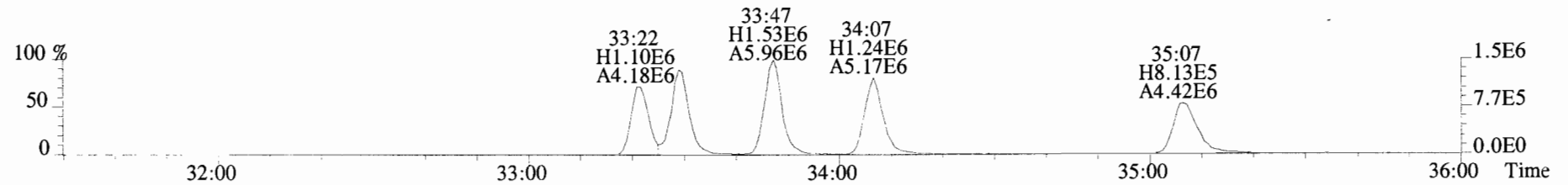
375.8178 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



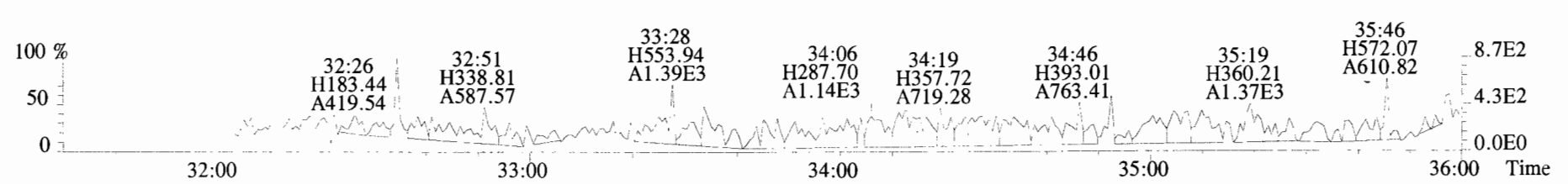
383.8639 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



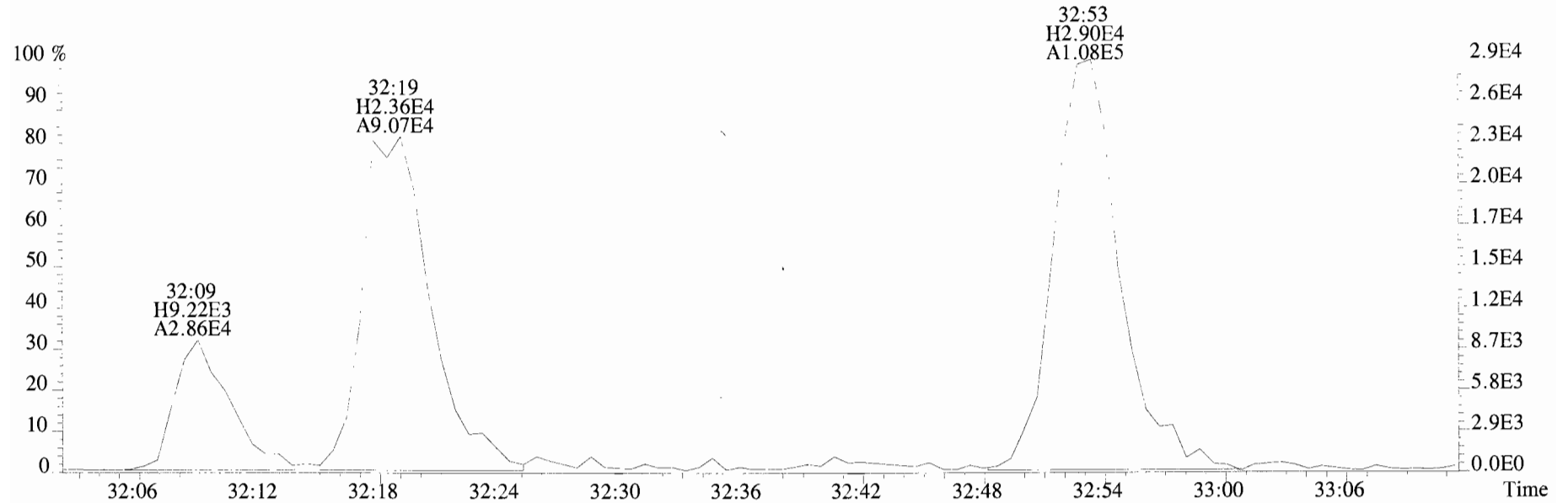
385.8610 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



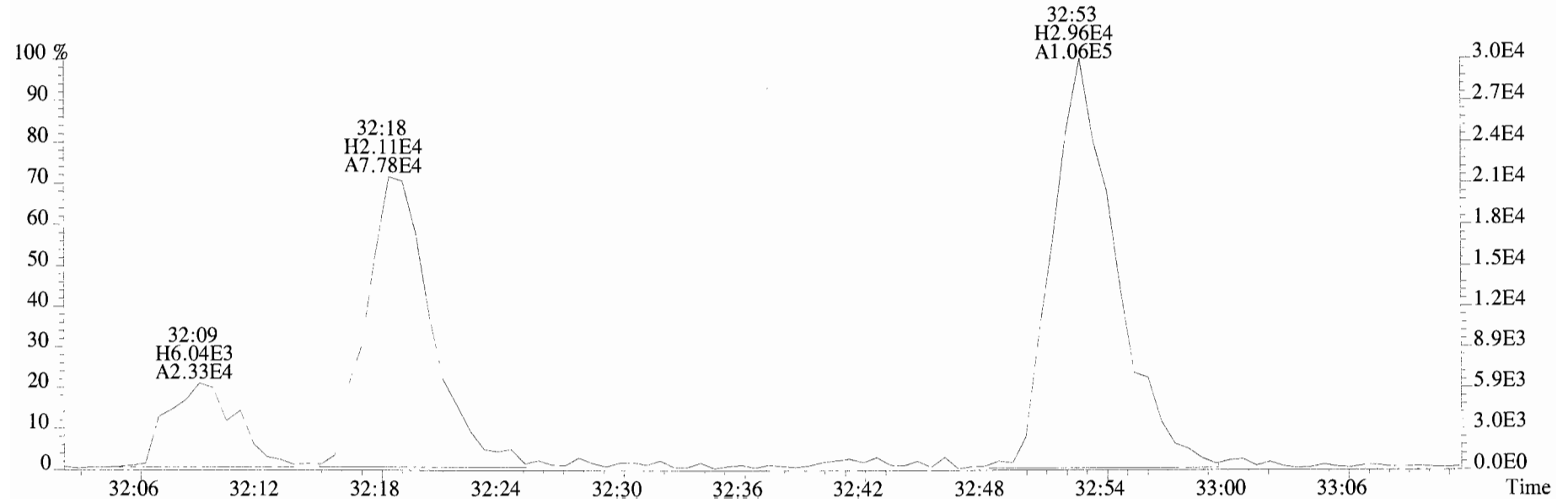
445.7555 S:15 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



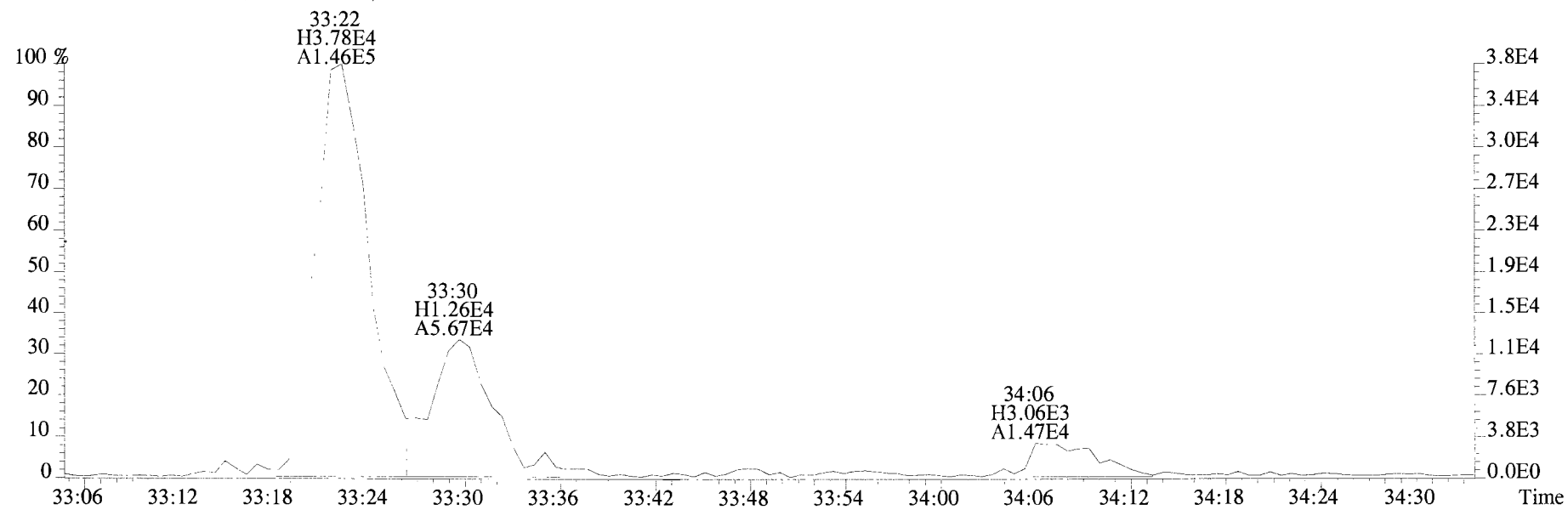
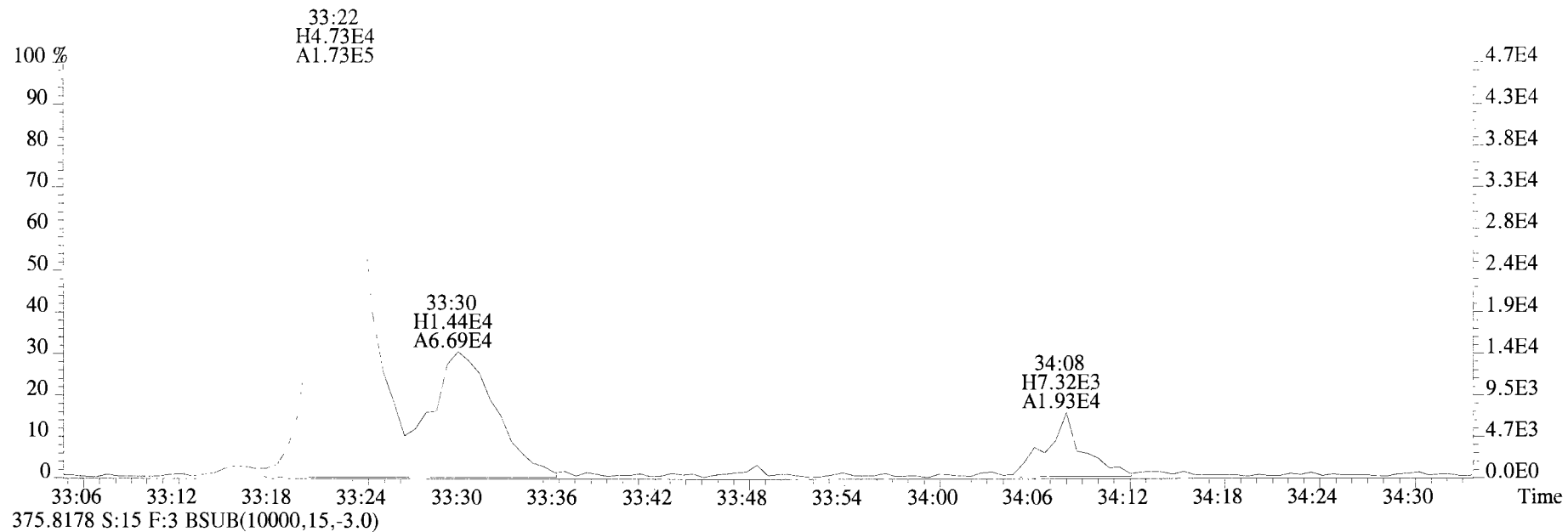
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-I06SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



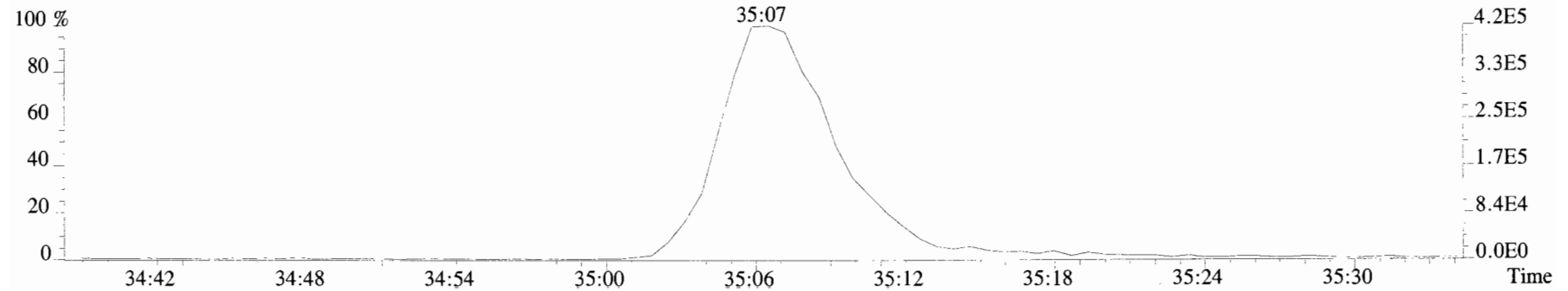
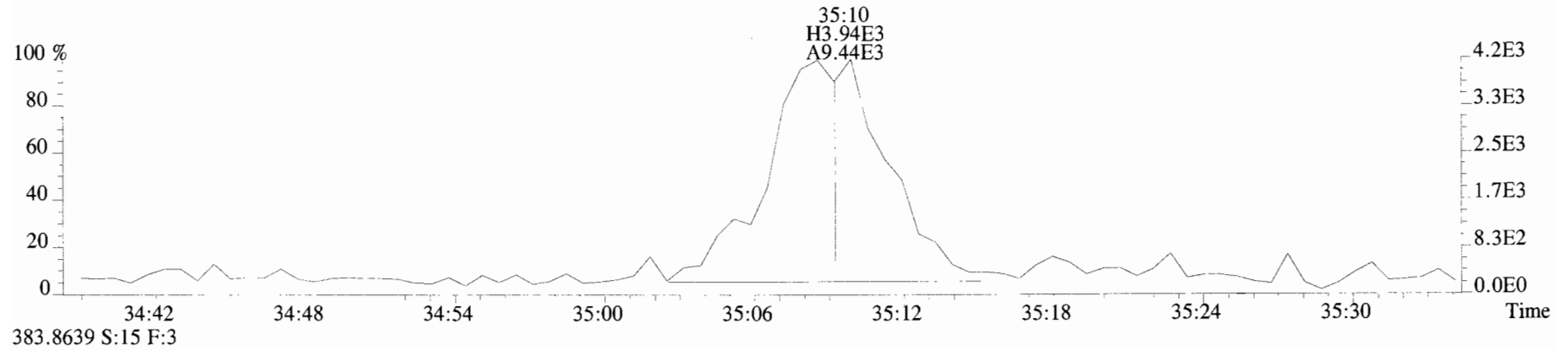
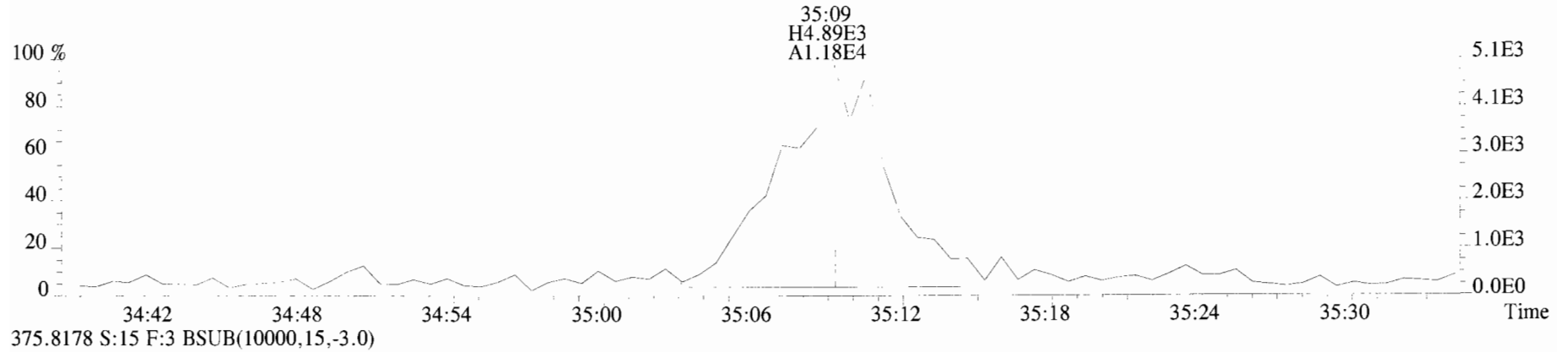
375.8178 S:15 F:3 BSUB(10000,15,-3.0)



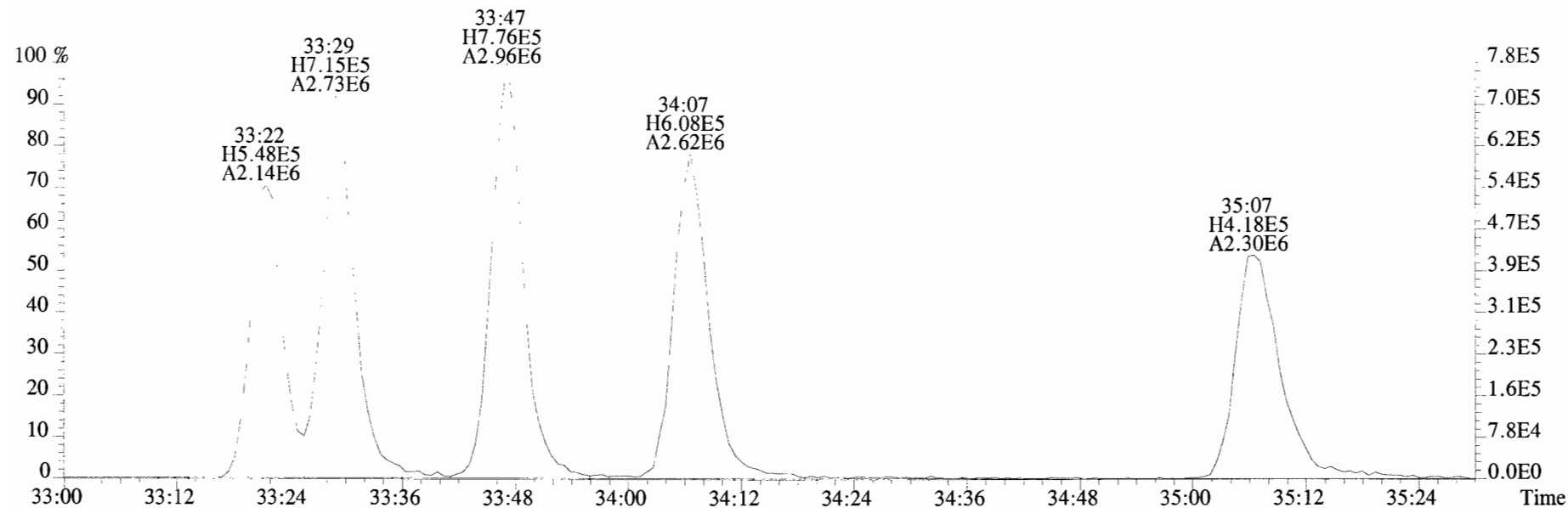
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-I06SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



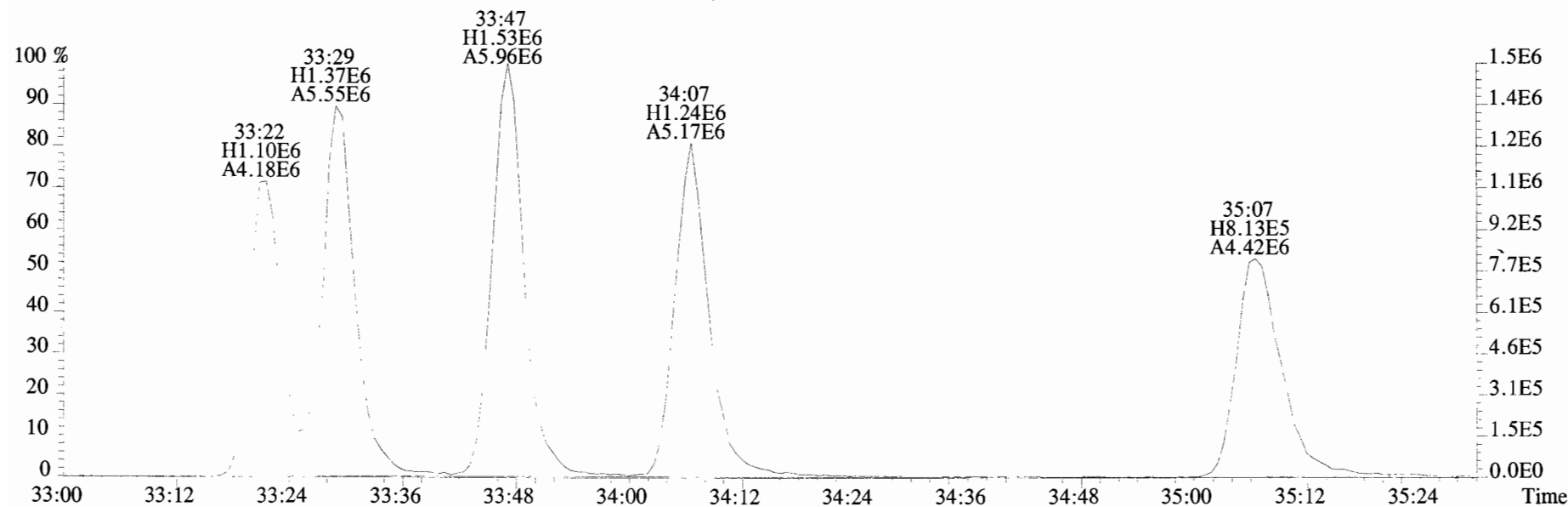
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
373.8207 S:15 F:3 BSUB(10000,15,-3.0)



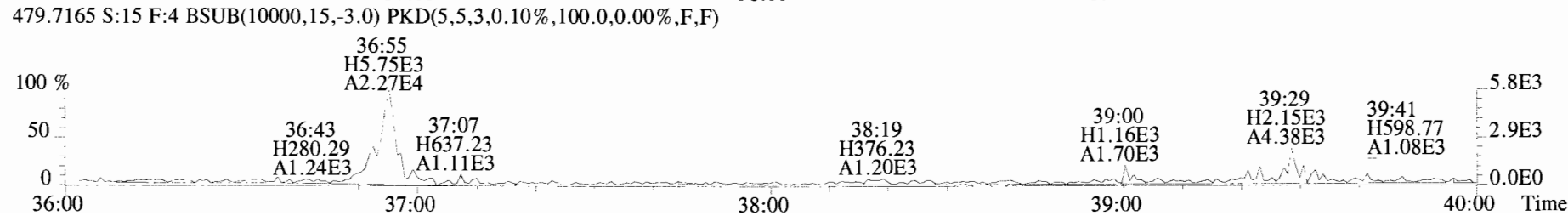
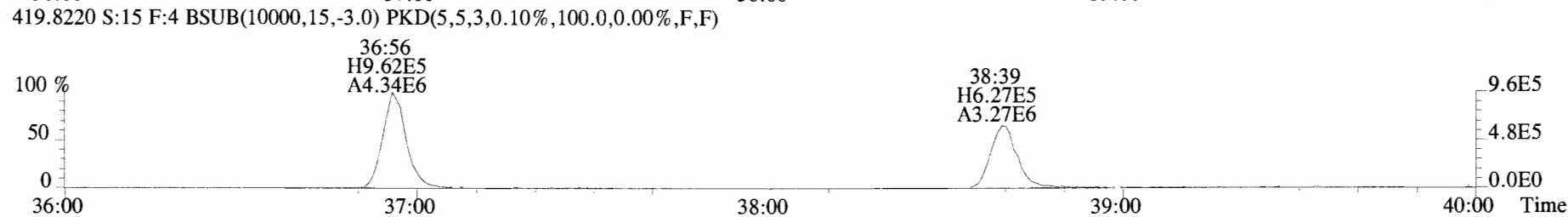
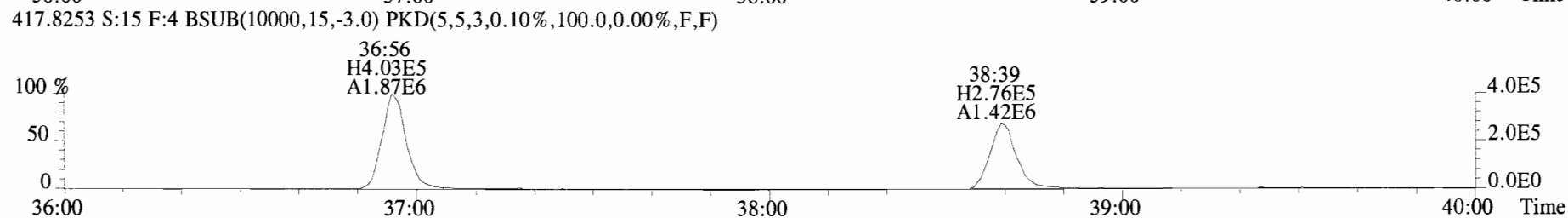
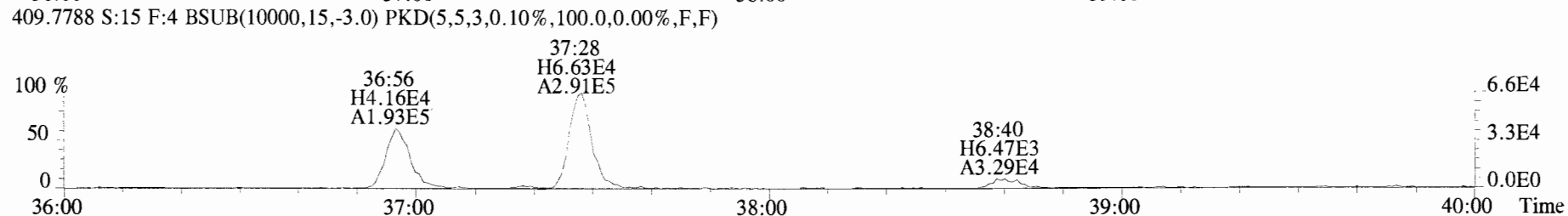
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
383.8639 S:15 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



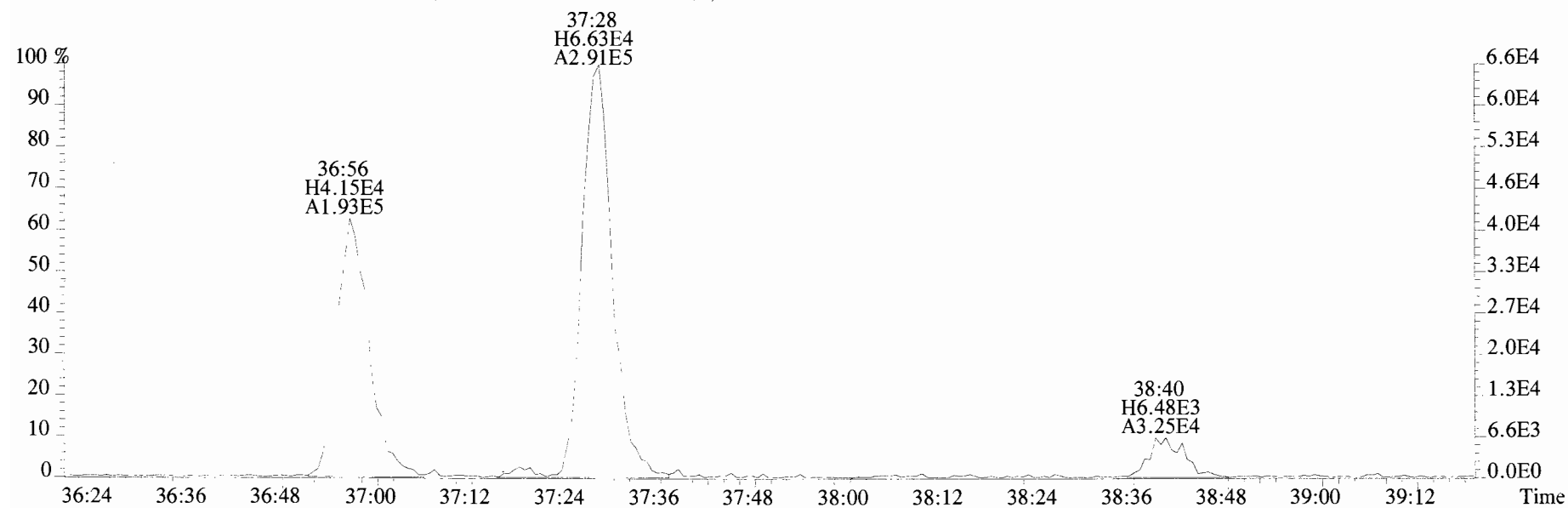
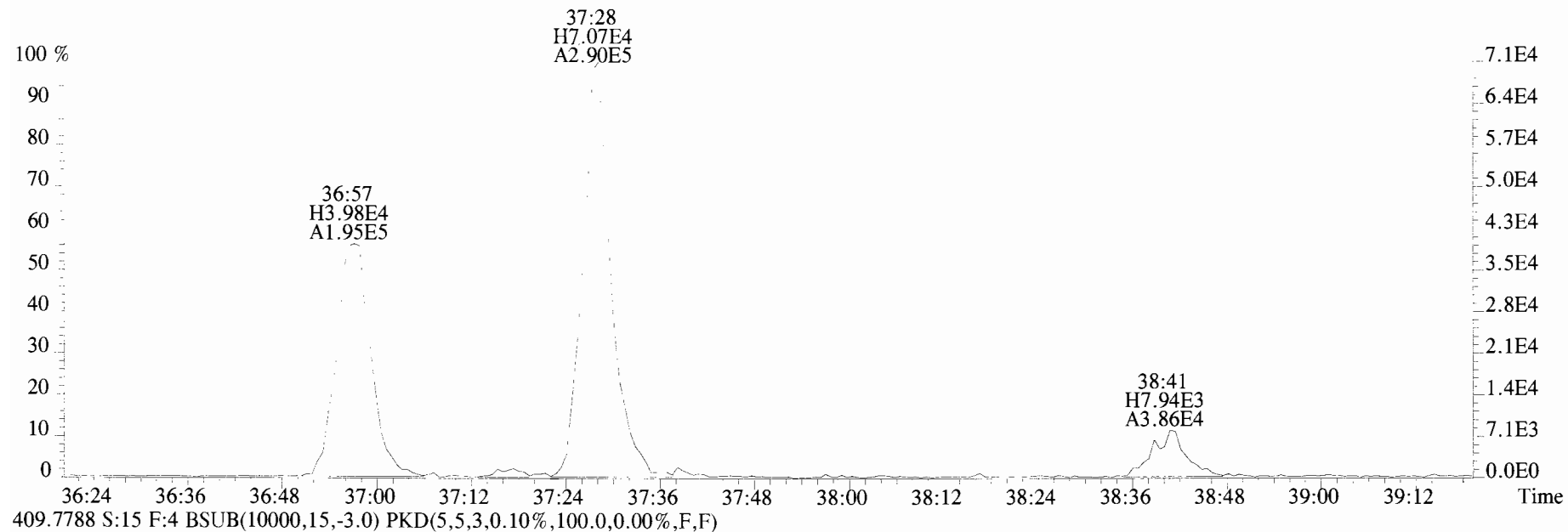
385.8610 S:15 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



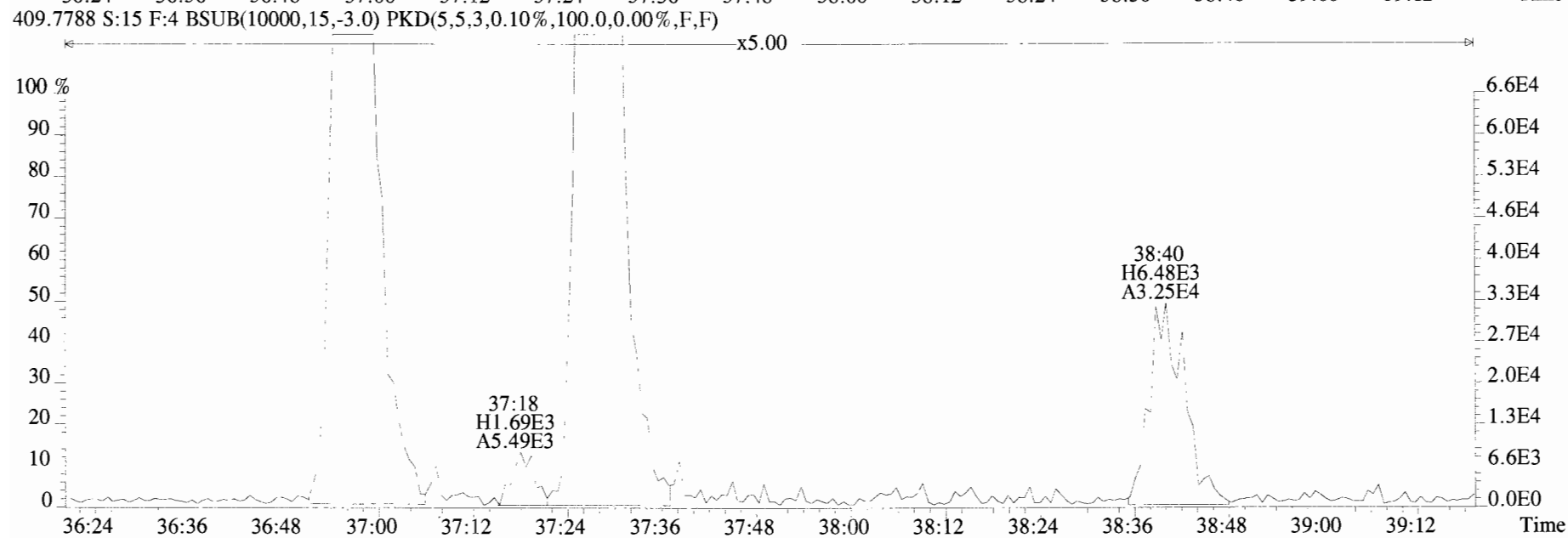
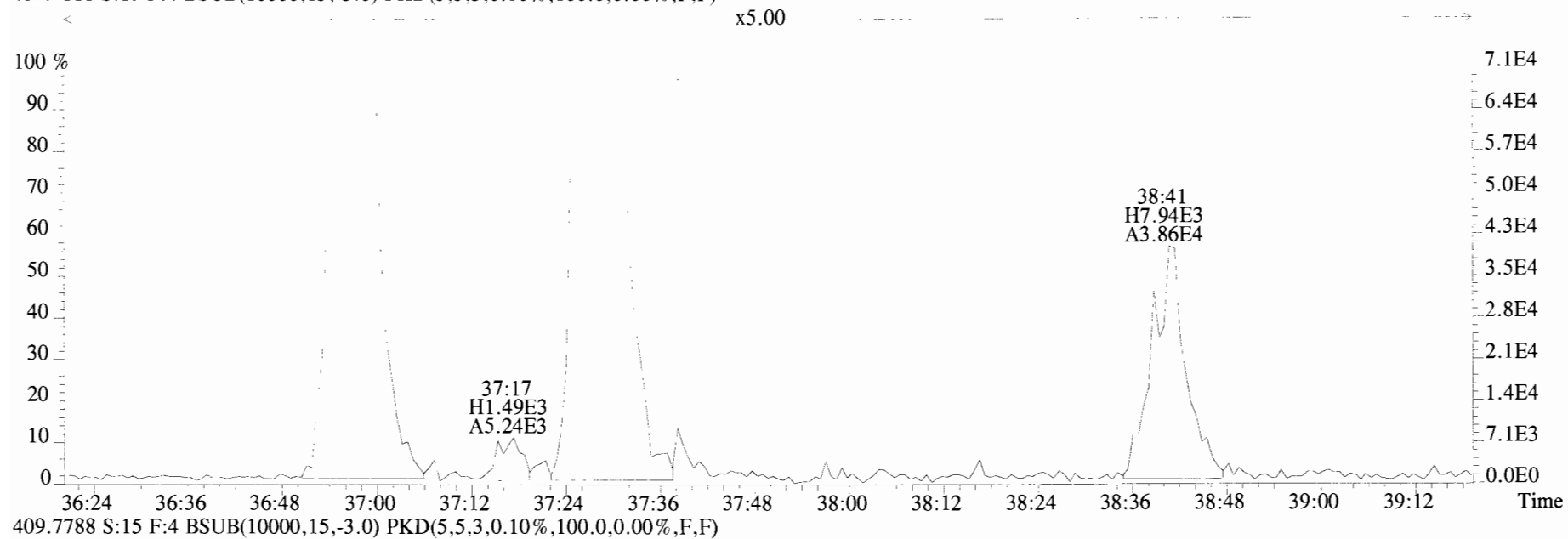
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



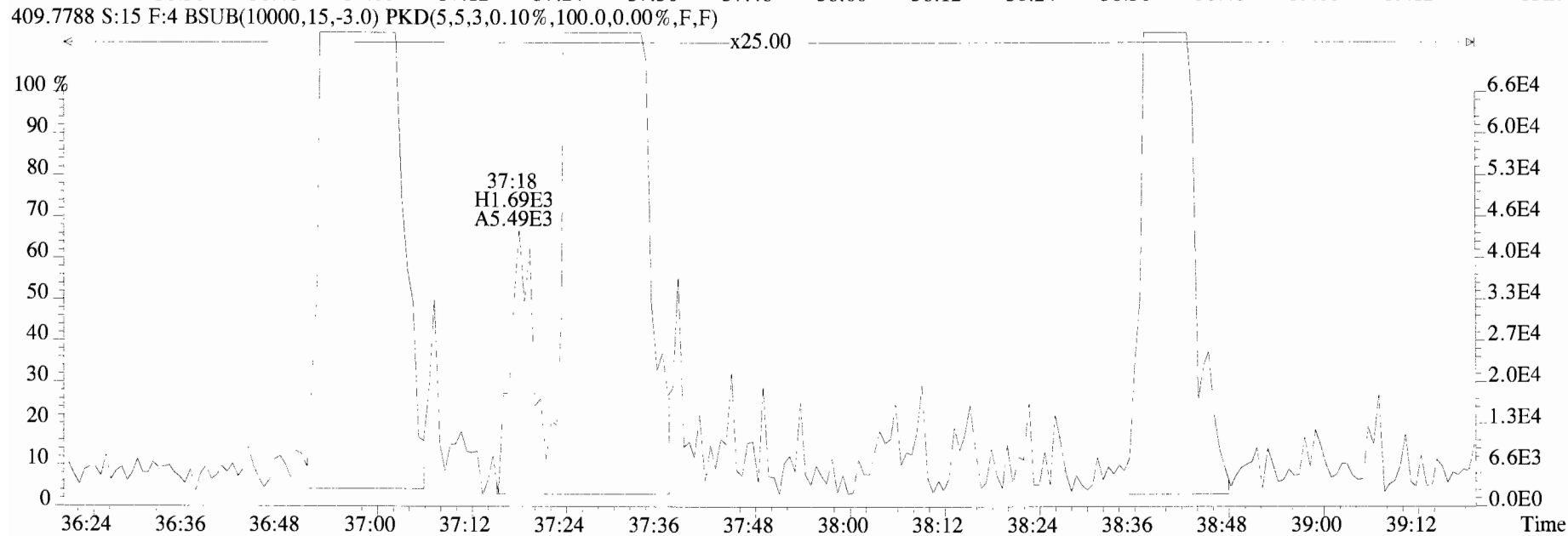
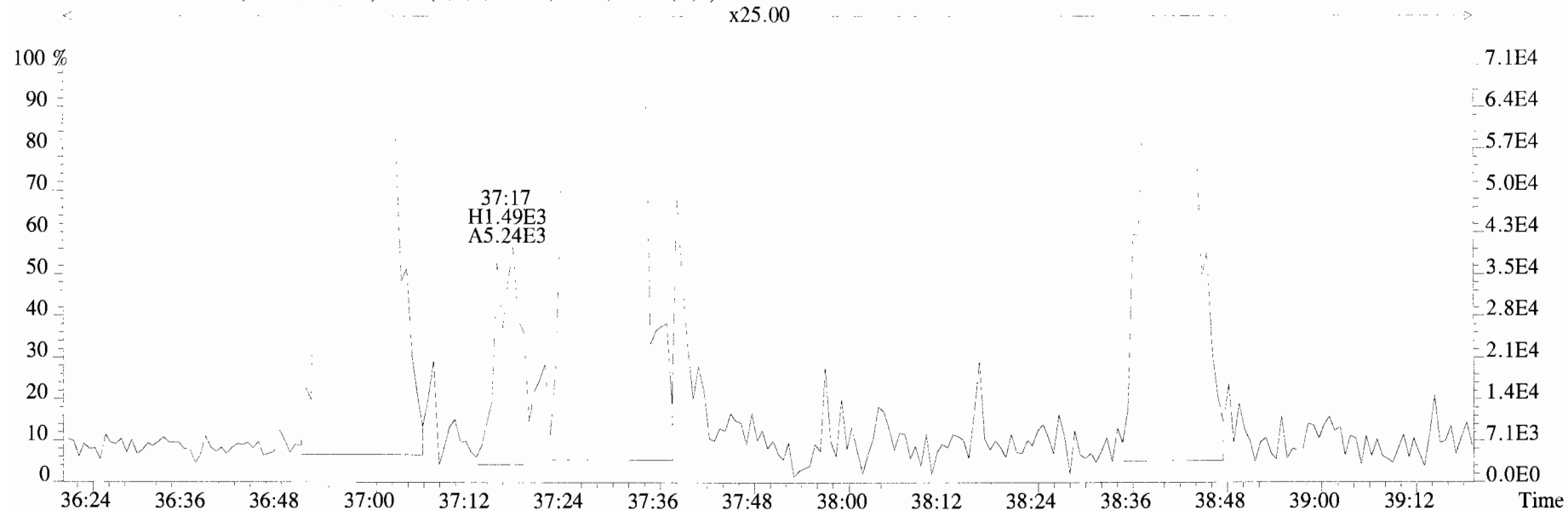
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



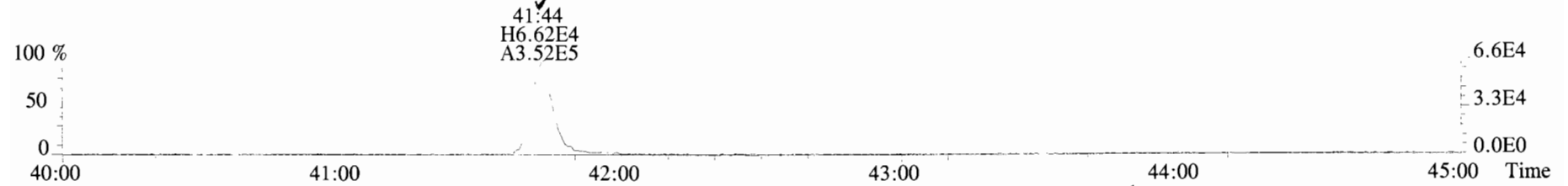
File: 191009D1 #1-355 Acq: 10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text: Vista_Analytical_Laboratory_VG7 Text: 1903285-10 PDI-106SG-00-01-190924 10 Exp: OCDD_DB5
407.7818 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



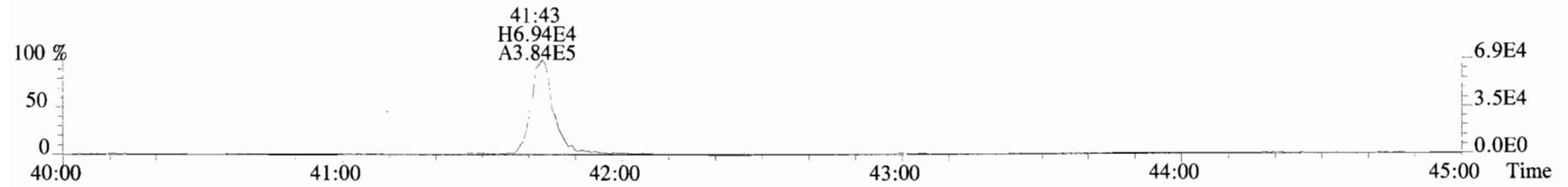
File:191009D1 #1-355 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
407.7818 S:15 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



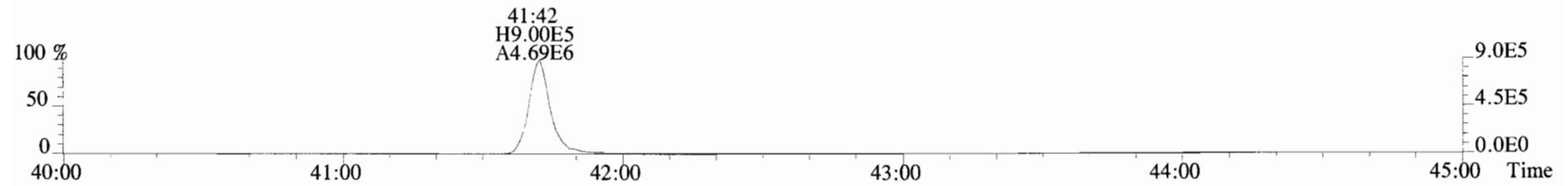
File:191009D1 #1-432 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
441.7428 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



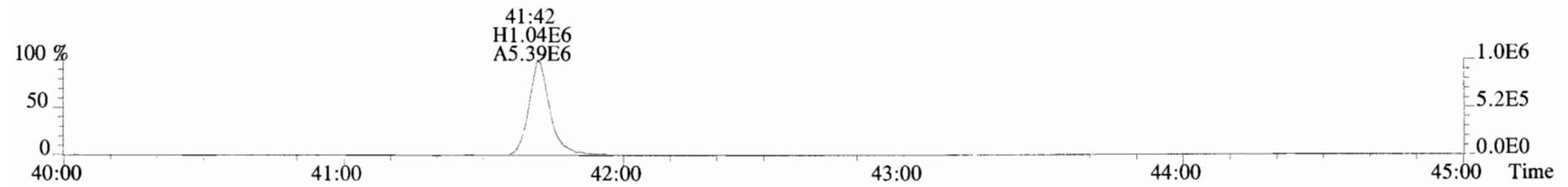
443.7398 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



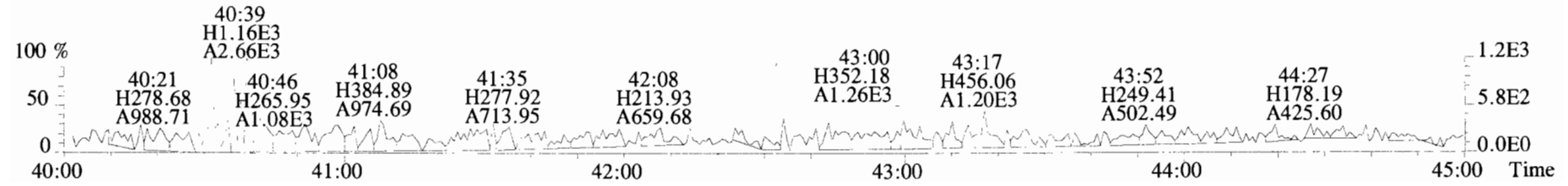
453.7831 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



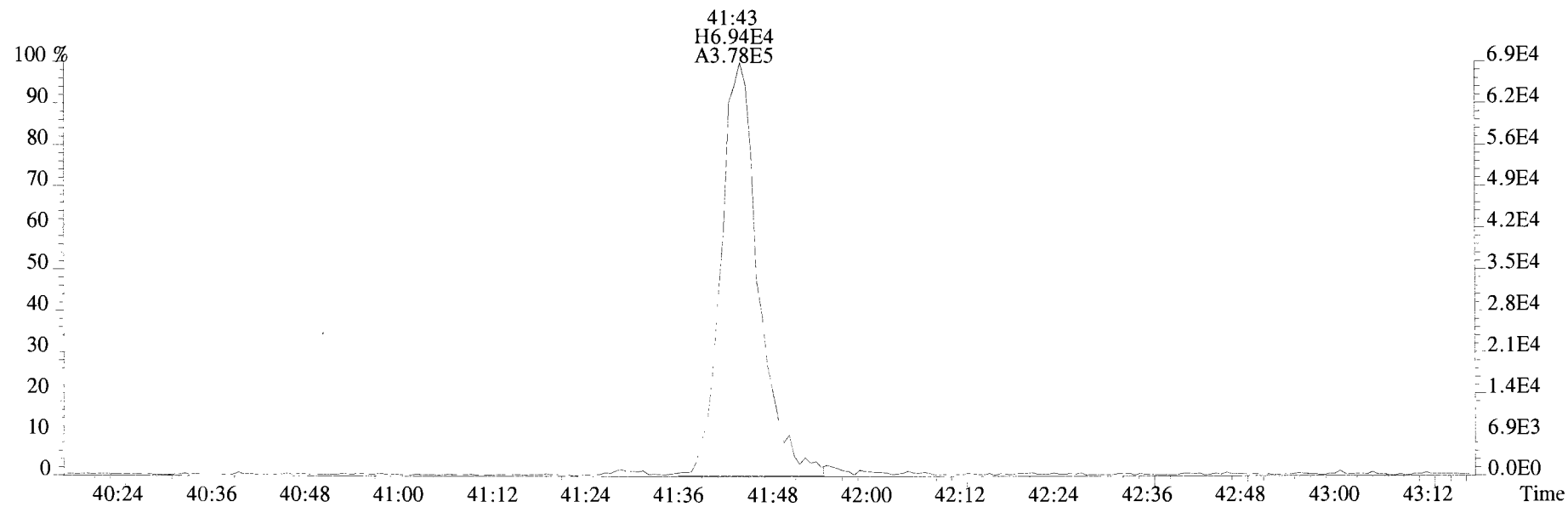
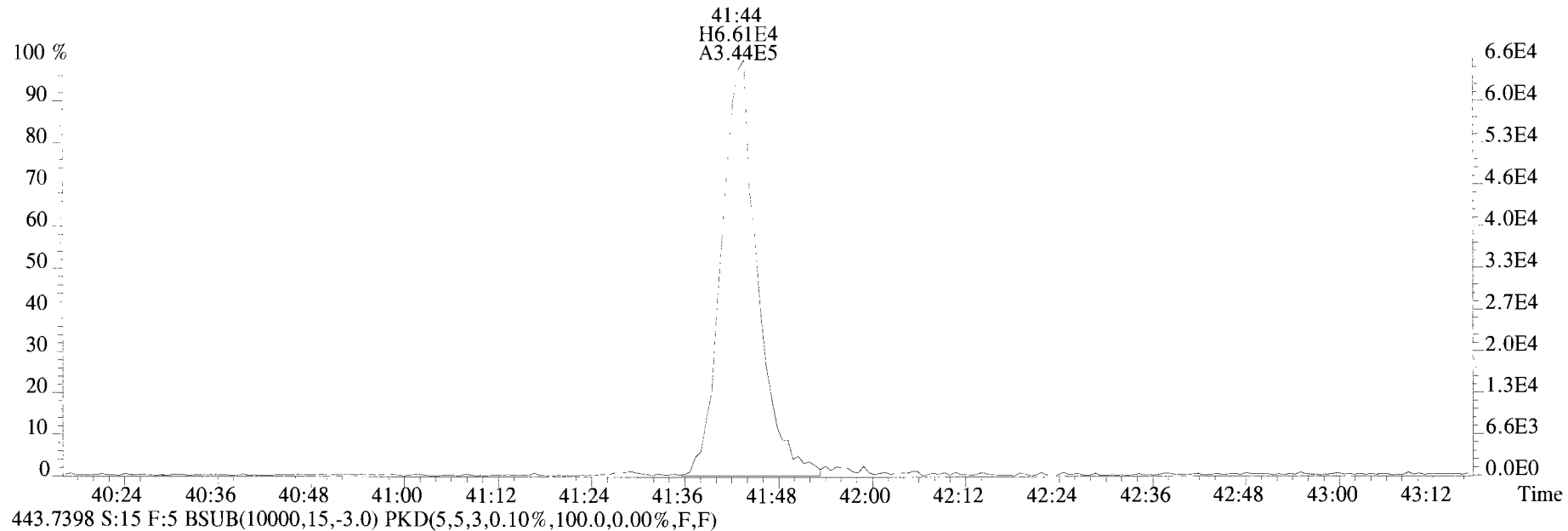
455.7801 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-432 Acq:10-OCT-2019 03:19:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-10 PDI-106SG-00-01-190924 10 Exp:OCDD_DB5
441.7428 S:15 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



CONFIRMATION

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.77e+07	0.80 y	15:42	1.00	197.2	
13C-2,3,7,8-TCDF	1.64e+07	0.78 y	17:55	1.02	179.0	90.8
2,3,7,8-TCDF	1.14e+07	0.79 y	17:55	0.95	145.3	

Integrations

by DB
Analyst: DB

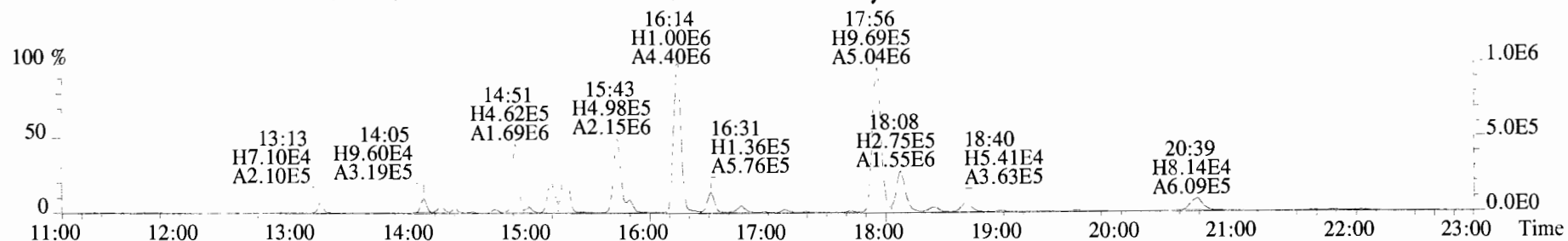
Date: 10/23/19

Reviewed

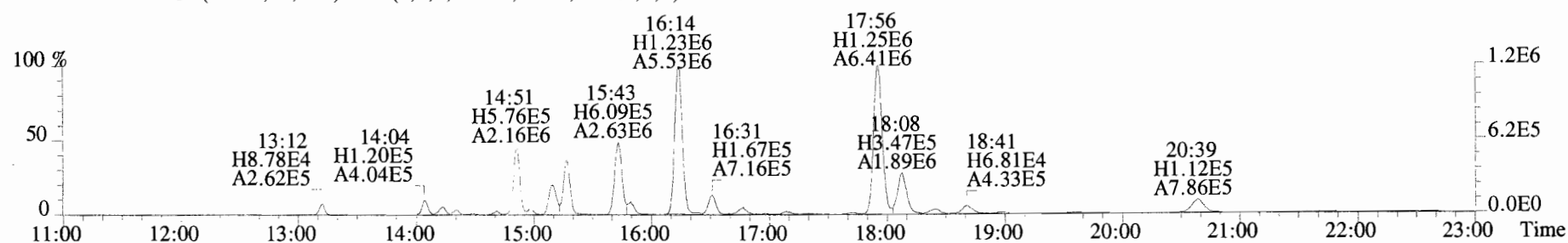
by CT
Analyst: CT

Date: 10/31/19

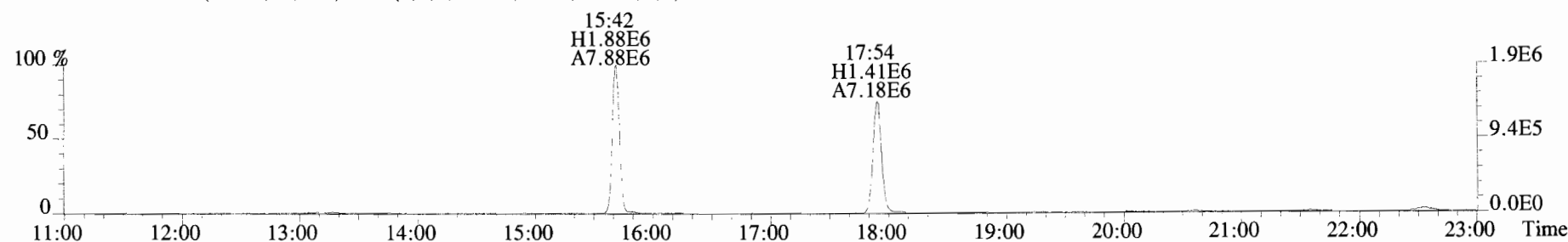
File:191022D1 #1-1683 Acq:22-OCT-2019 21:16:16 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-01RE1 PDI-014SG-00-0.78-190923 18.99 Exp:TCDF_DB225
 303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



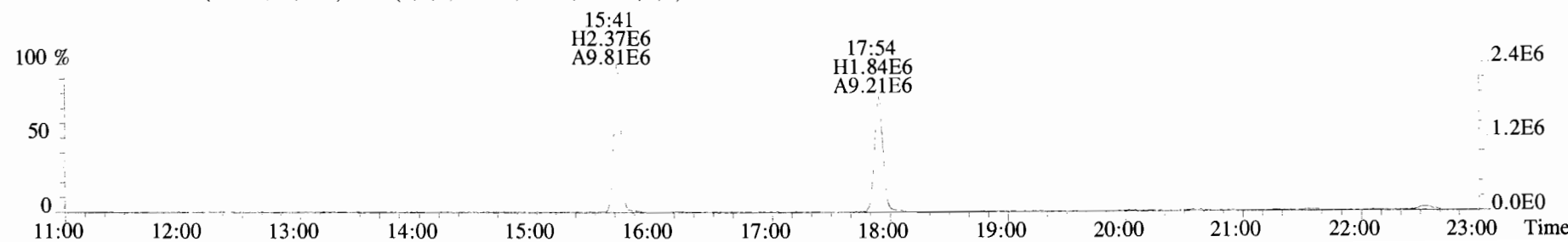
305.8987 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



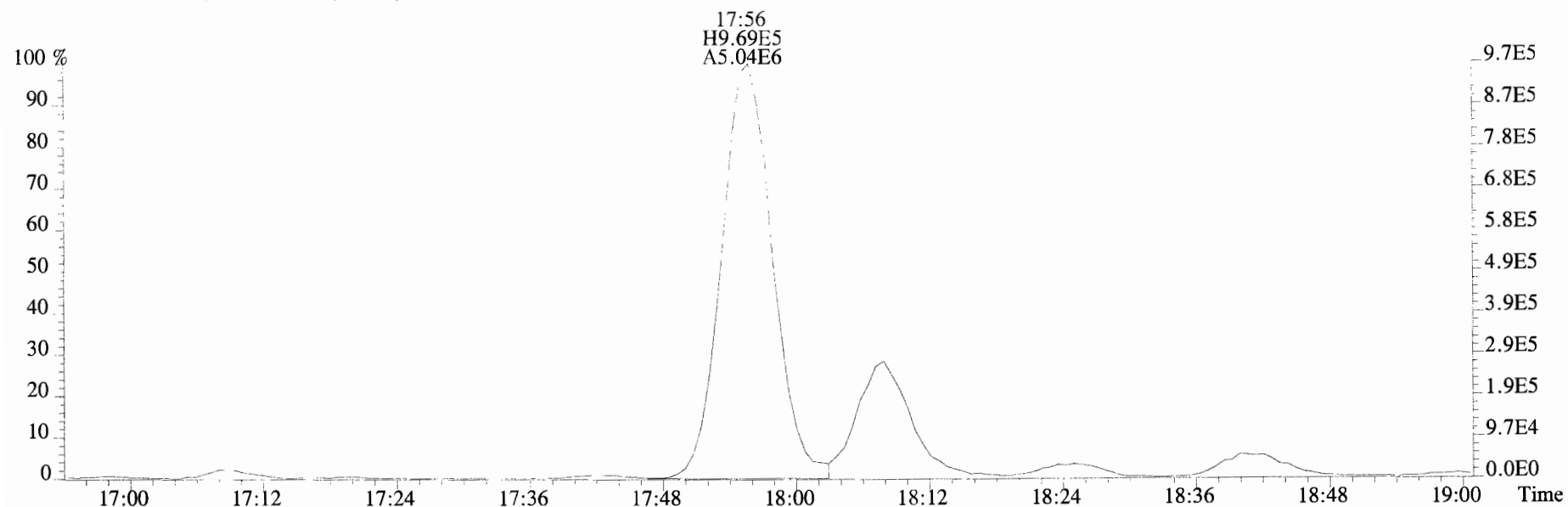
315.9419 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



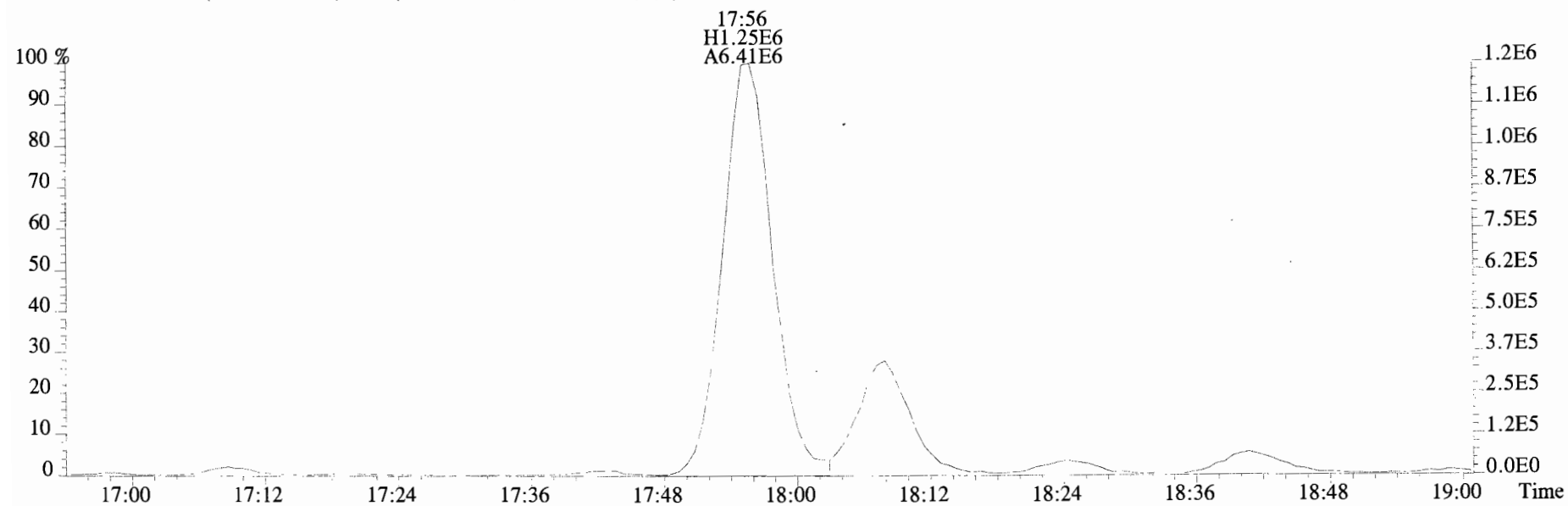
317.9389 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



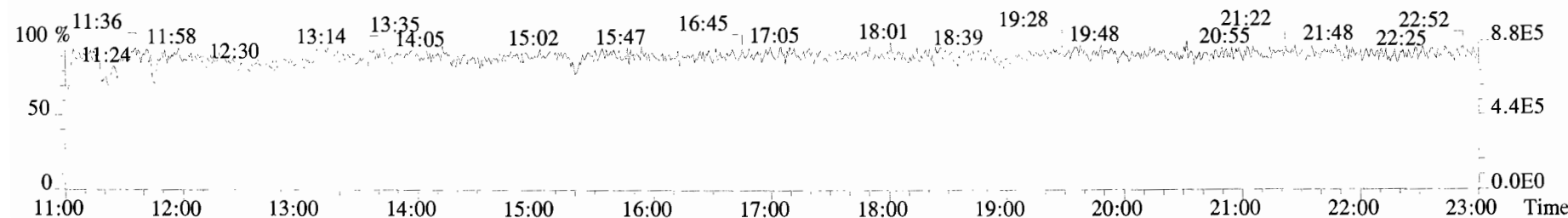
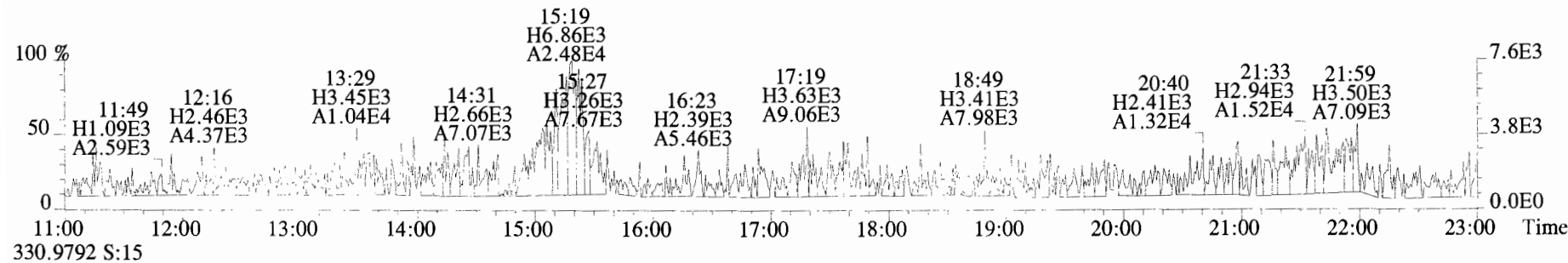
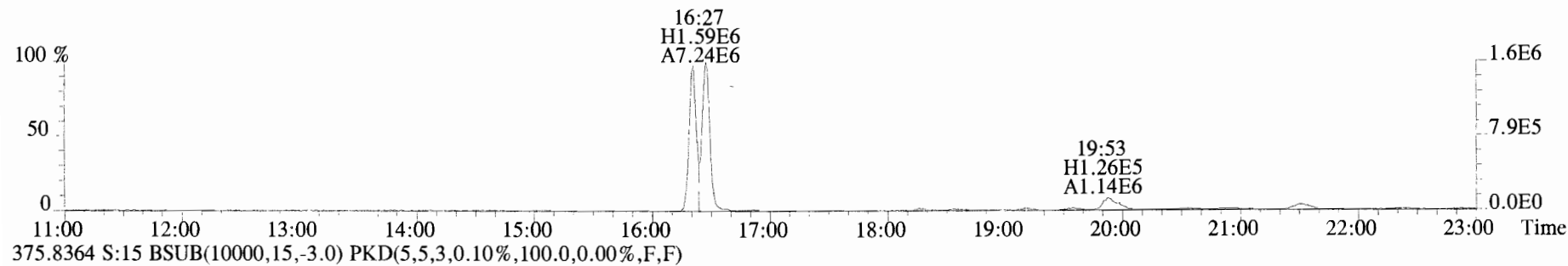
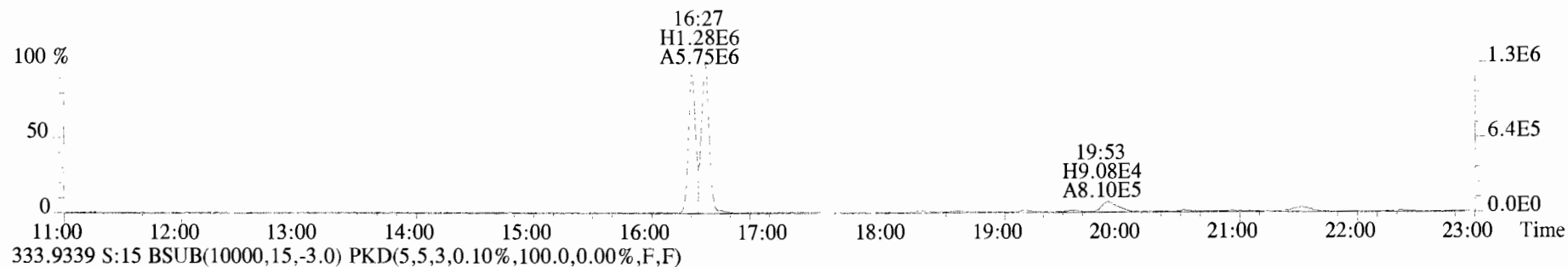
File:191022D1 #1-1683 Acq:22-OCT-2019 21:16:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory VG7 Text:1903285-01RE1 PDI-014SG-00-0.78-190923 18.99 Exp:TCDF_DB225
303.9016 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



305.8987 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 21:16:16 GC EI+ Voltage SIR Autospec-UltimaE
Sample#15 File Text:Vista Analytical Laboratory_VG7 Text:1903285-01RE1 PDI-014SG-00-0.78-190923 18.99 Exp:TCDF_DB225
331.9368 S:15 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.78e+07	0.81 y	15:42	1.00	193.9	-
13C-2,3,7,8-TCDF	1.50e+07	0.78 y	17:55	1.02	160.2	82.6
2,3,7,8-TCDF	8.73e+06	0.79 y	17:56	0.95	119.1	

Integrations

by DB
Analyst: DB

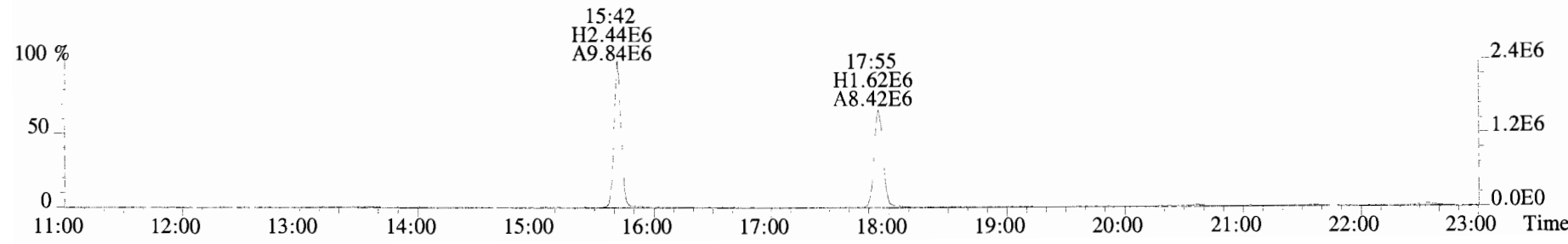
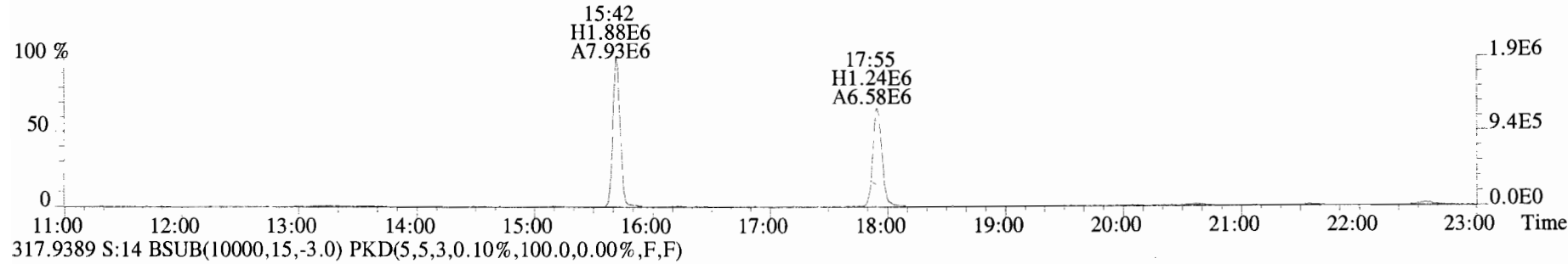
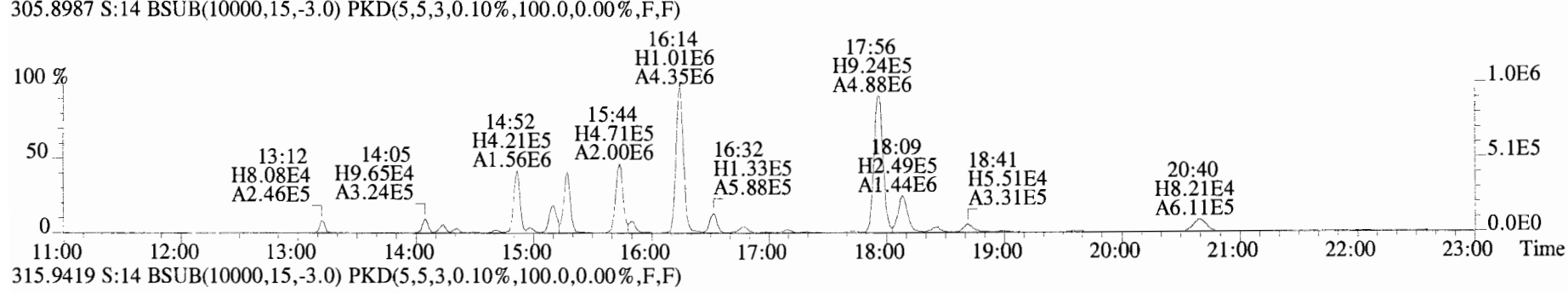
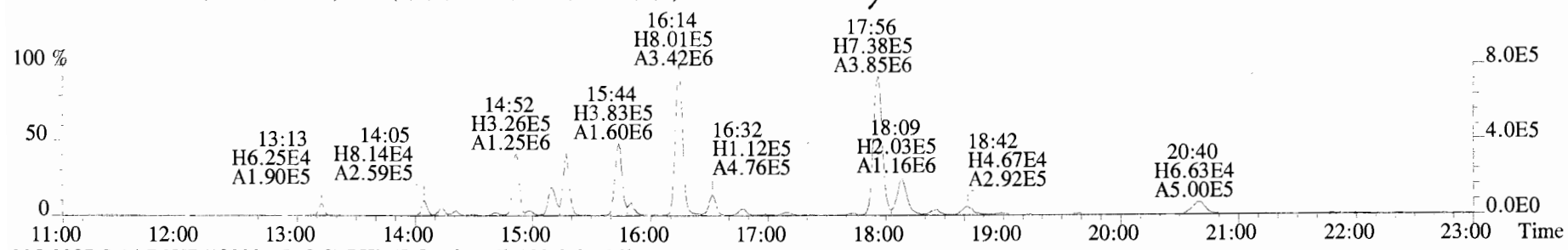
Date: 10/23/19

Reviewed

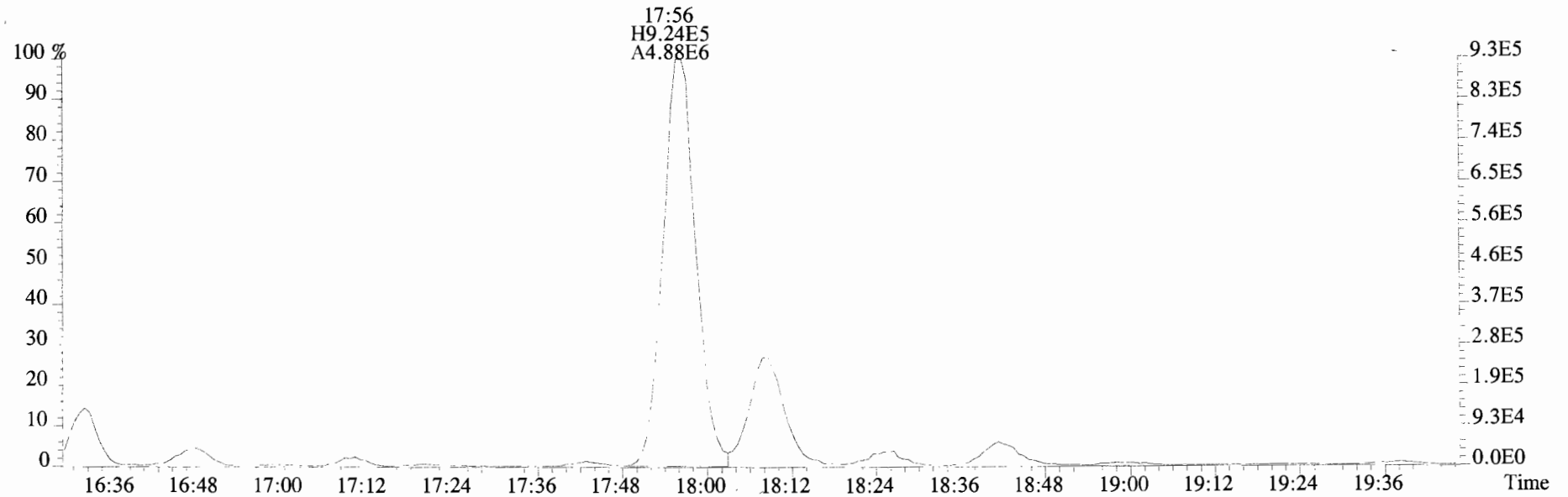
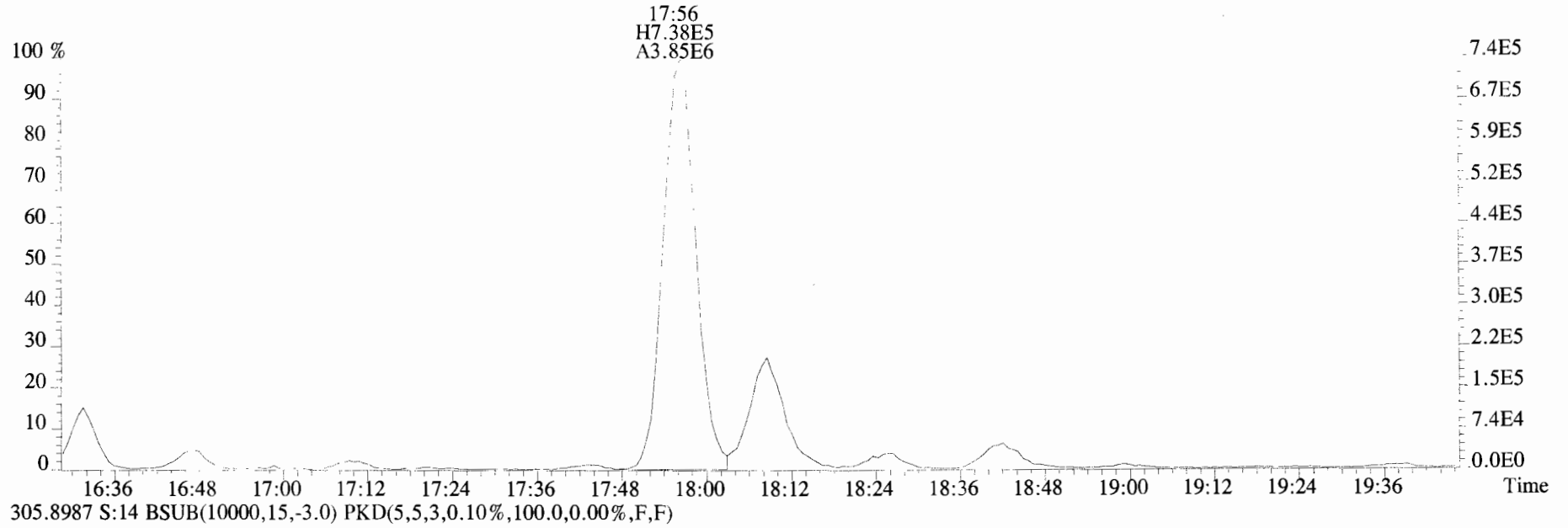
by HL
Analyst: HL

Date: 10-31-19

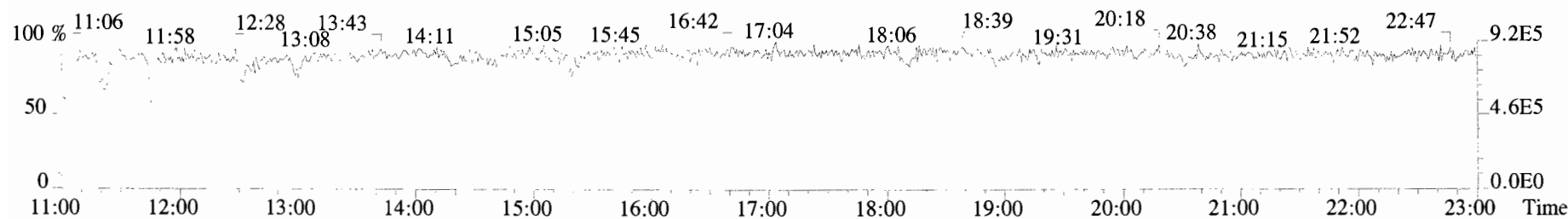
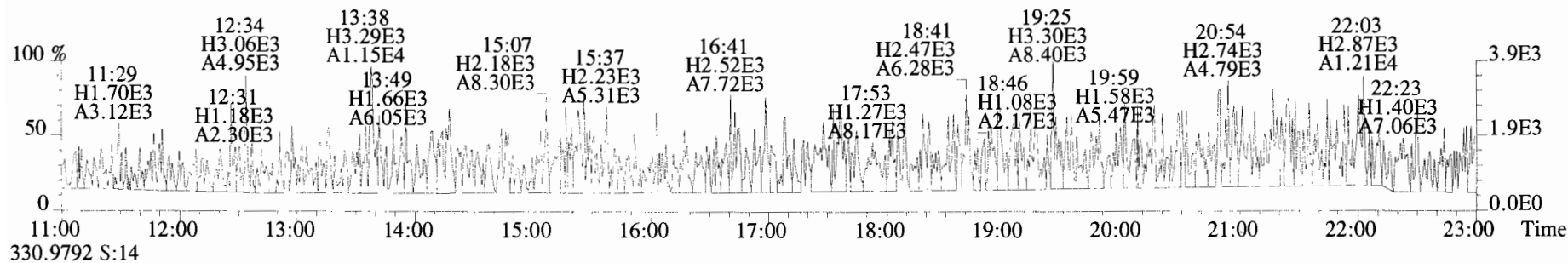
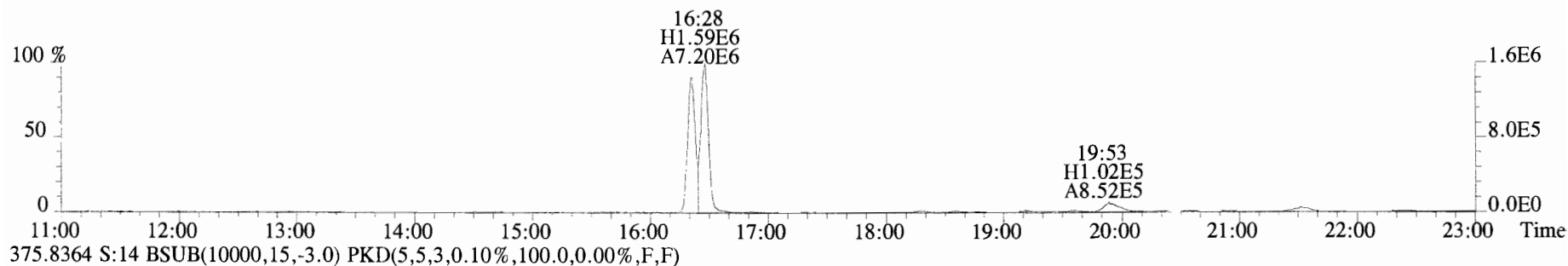
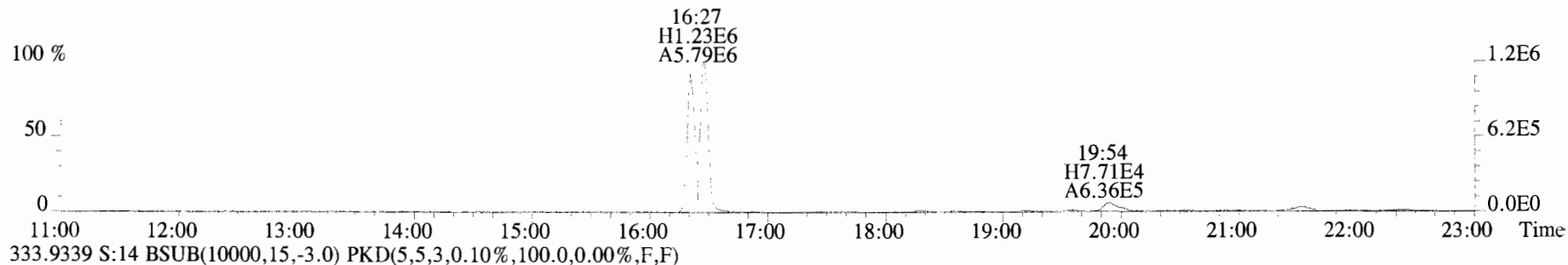
File:191022D1 #1-1683 Acq:22-OCT-2019 20:44:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-02RE1 PDI-1014SG-00-0.78-190923 18.61 Exp:TCDF_DB225
303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 20:44:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-02RE1 PDI-1014SG-00-0.78-190923 18.61 Exp:TCDF_DB225
303.9016 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 20:44:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#14 File Text:Vista Analytical Laboratory VG7 Text:1903285-02RE1 PDI-1014SG-00-0.78-190923 18.61 Exp:TCDF_DB225
331.9368 S:14 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Lab ID: 1903285-03RE1

GC Column ID: DB-225 ICal: 1613TCDFVG7 5-30-19 wt/vol:10.053 ✓

EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.52e+07	0.79 y	15:41	1.00	198.9	-
13C-2,3,7,8-TCDF	1.36e+07	0.80 y	17:55	1.02	173.6	87.3
2,3,7,8-TCDF	1.25e+06	0.80 y	17:55	0.95	19.33	

Integrations

by
Analyst: DB

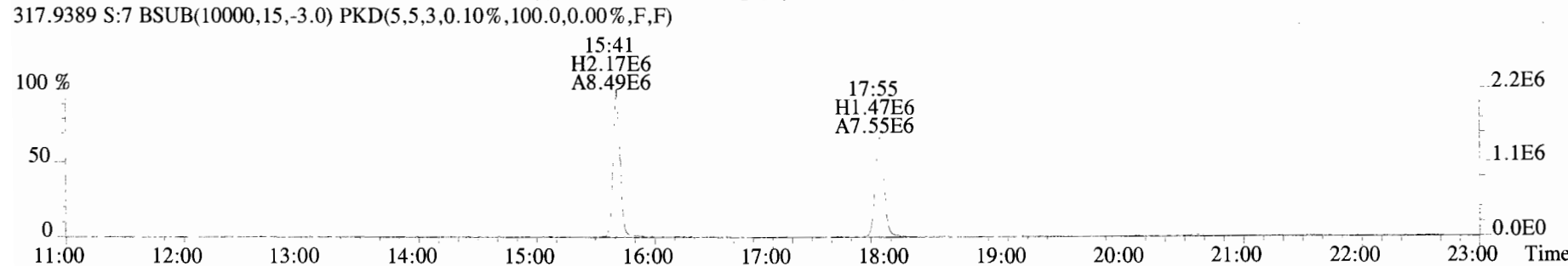
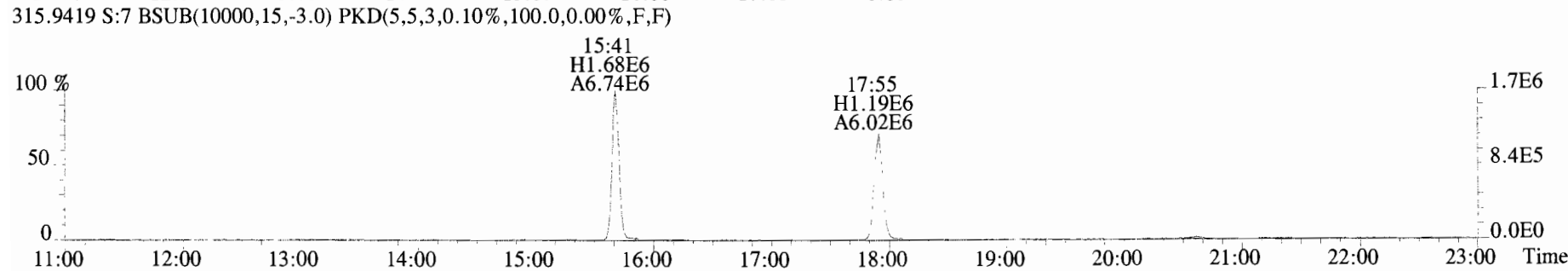
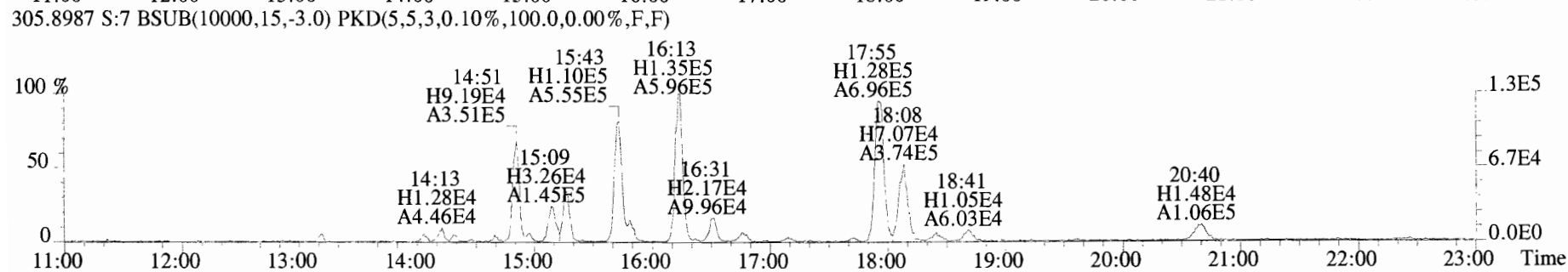
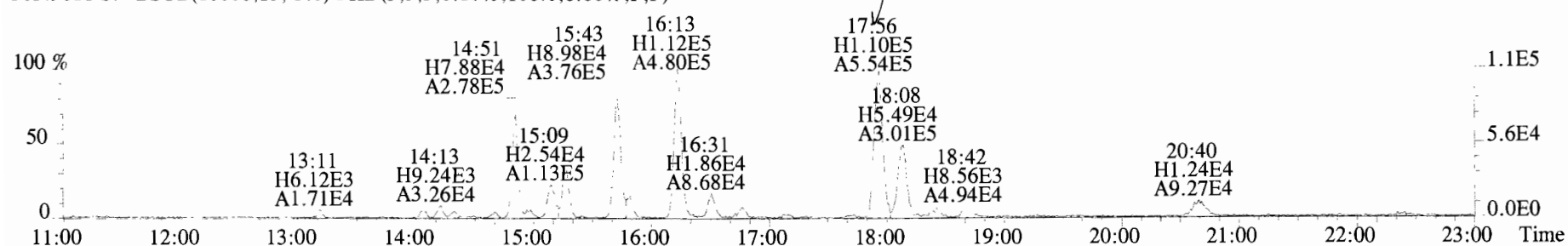
Date: 10/23/19

Reviewed

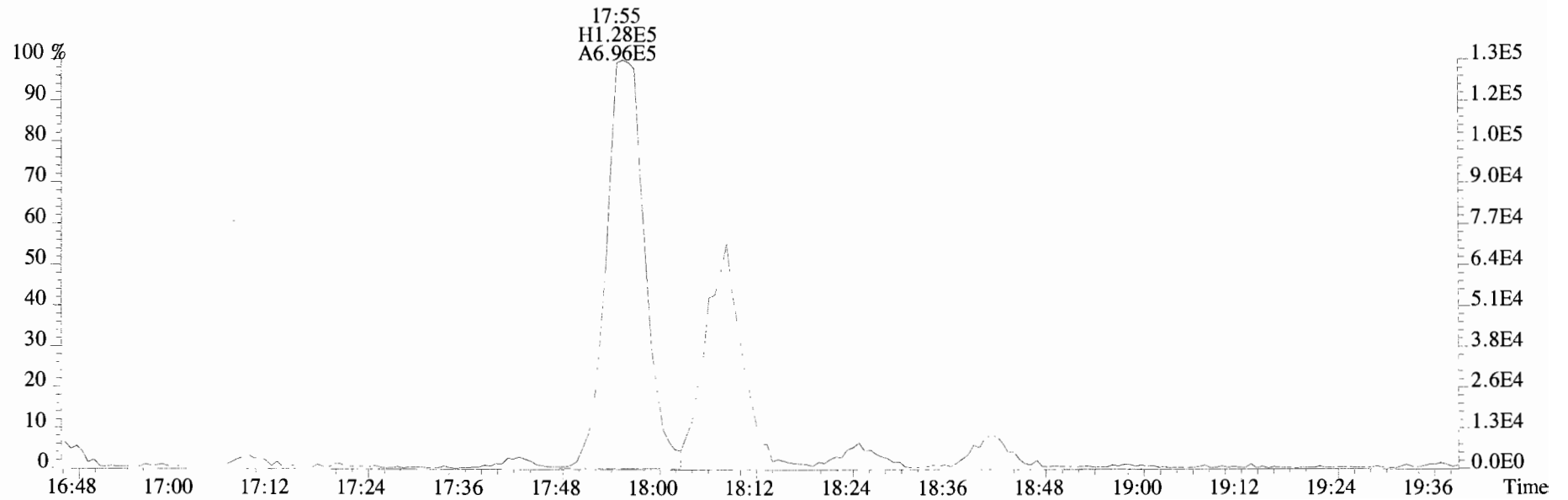
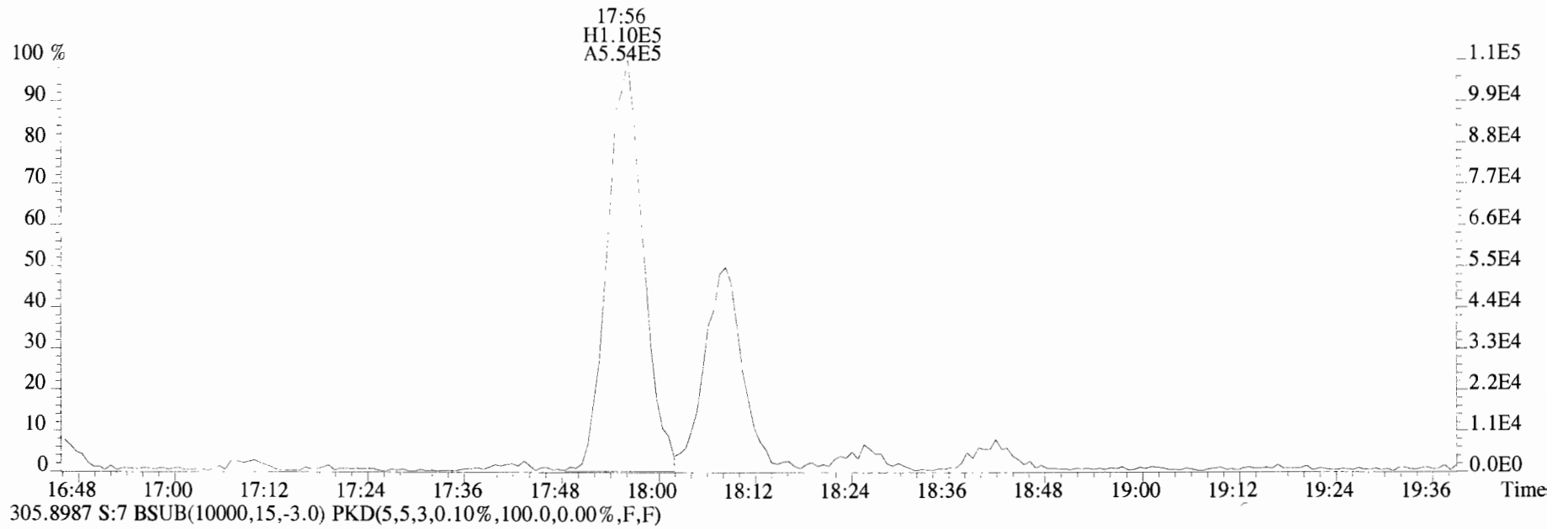
by
Analyst: He CT

Date: 10-31-19 10/31/19

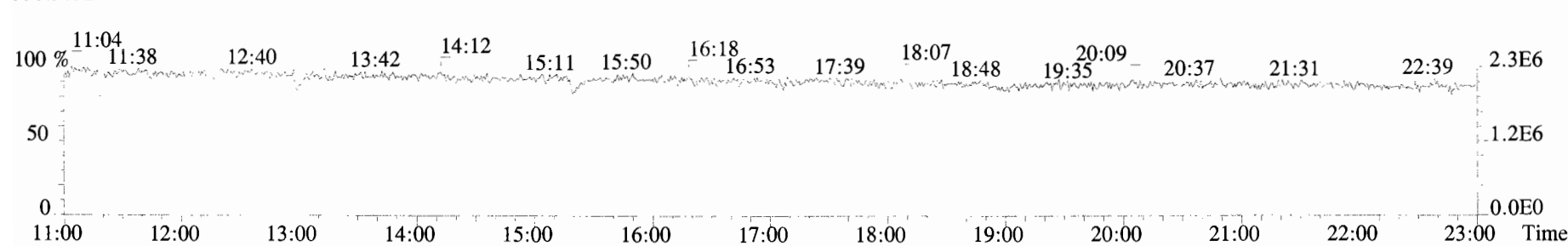
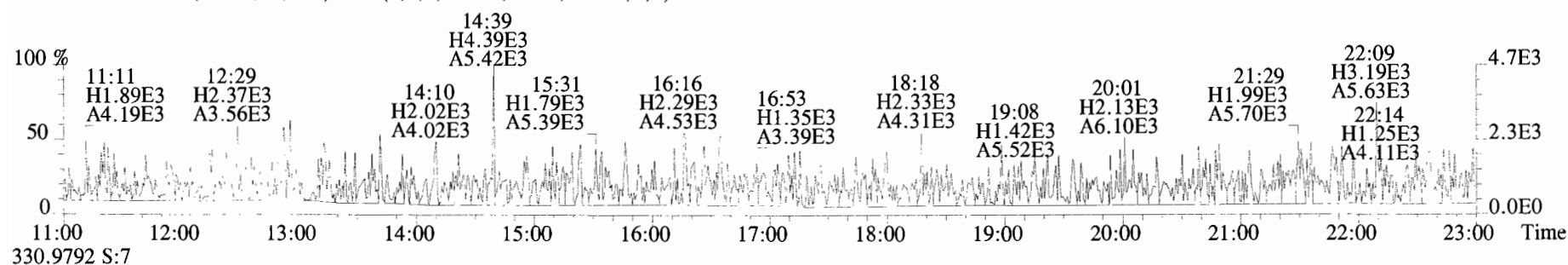
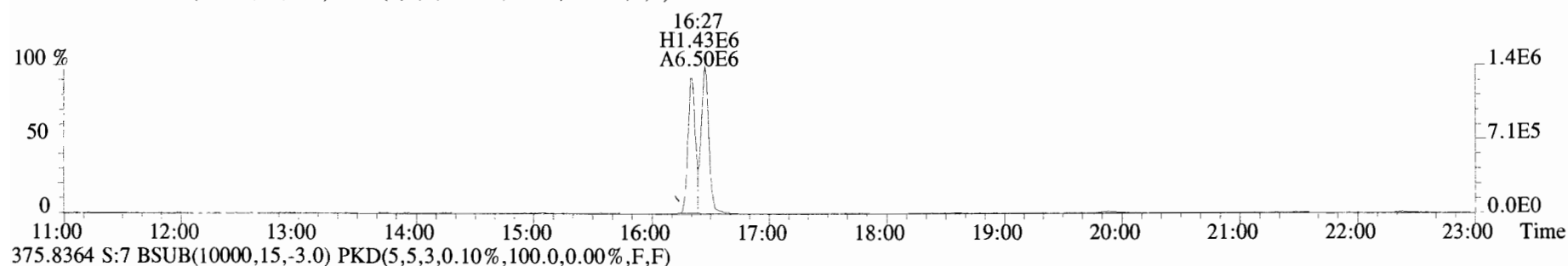
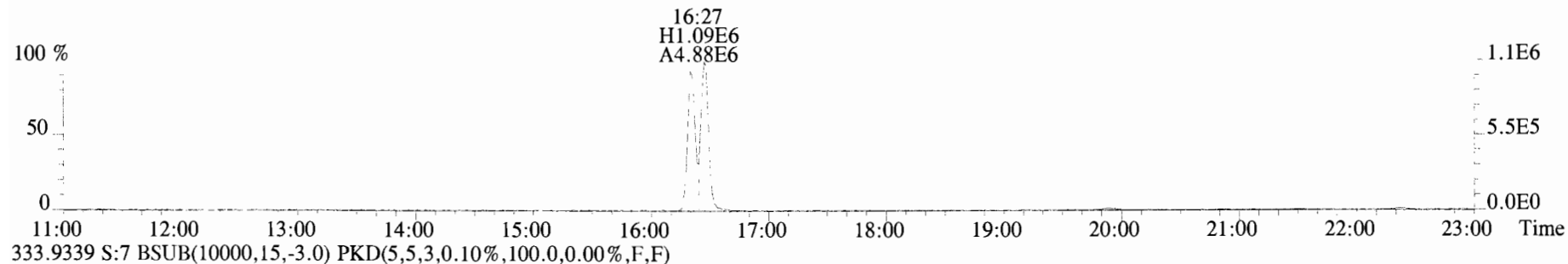
File:191022D1 #1-1682 Acq:22-OCT-2019 17:01:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG7 Text:1903285-03RE1 PDI-015SG-00-0.87-190924 16.03 Exp:TCDF_DB225
303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1682 Acq:22-OCT-2019 17:01:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory_VG7 Text:1903285-03RE1 PDI-015SG-00-0.87-190924 16.03 Exp:TCDF_DB225
303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1682 Acq:22-OCT-2019 17:01:49 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG7 Text:1903285-03RE1 PDI-015SG-00-0.87-190924 16.03 Exp:TCDF_DB225
331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.38e+07	0.82 y	15:39	1.00	199.6	-
13C-2,3,7,8-TCDF	1.46e+07	0.79 y	17:53	1.02	205.8	103.1
2,3,7,8-TCDF	1.01e+06	0.78 y	17:54	0.95	14.62	

Integrations

by
Analyst: DB

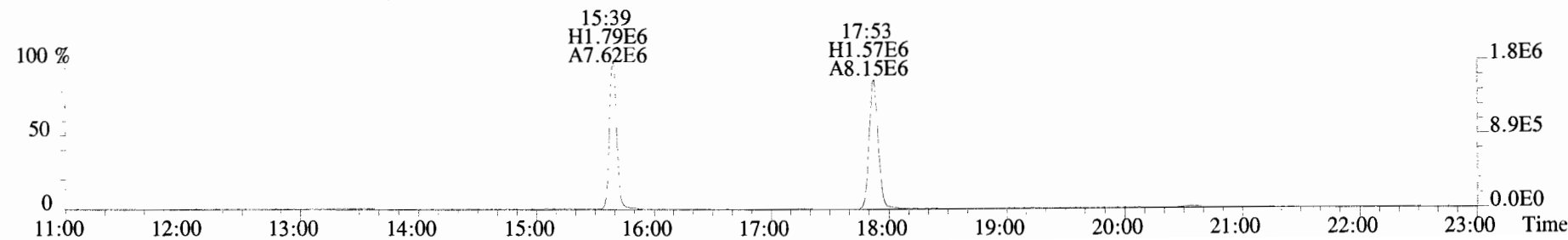
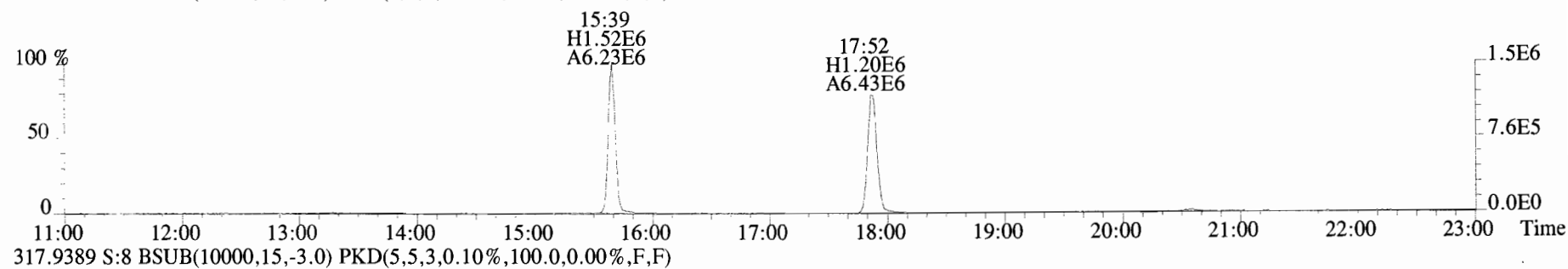
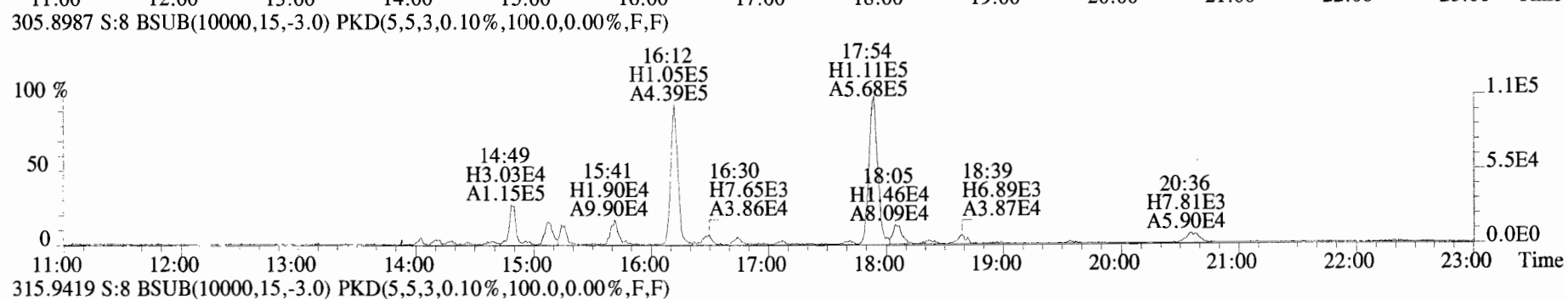
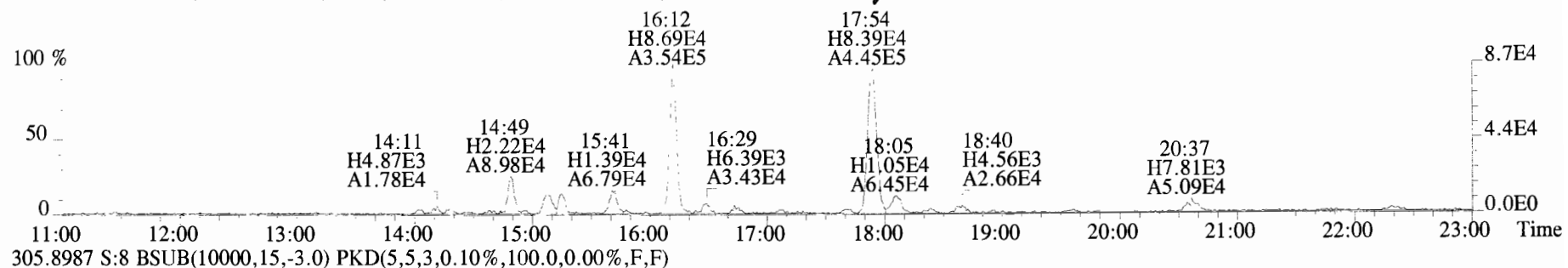
Date: 10/23/19

Reviewed

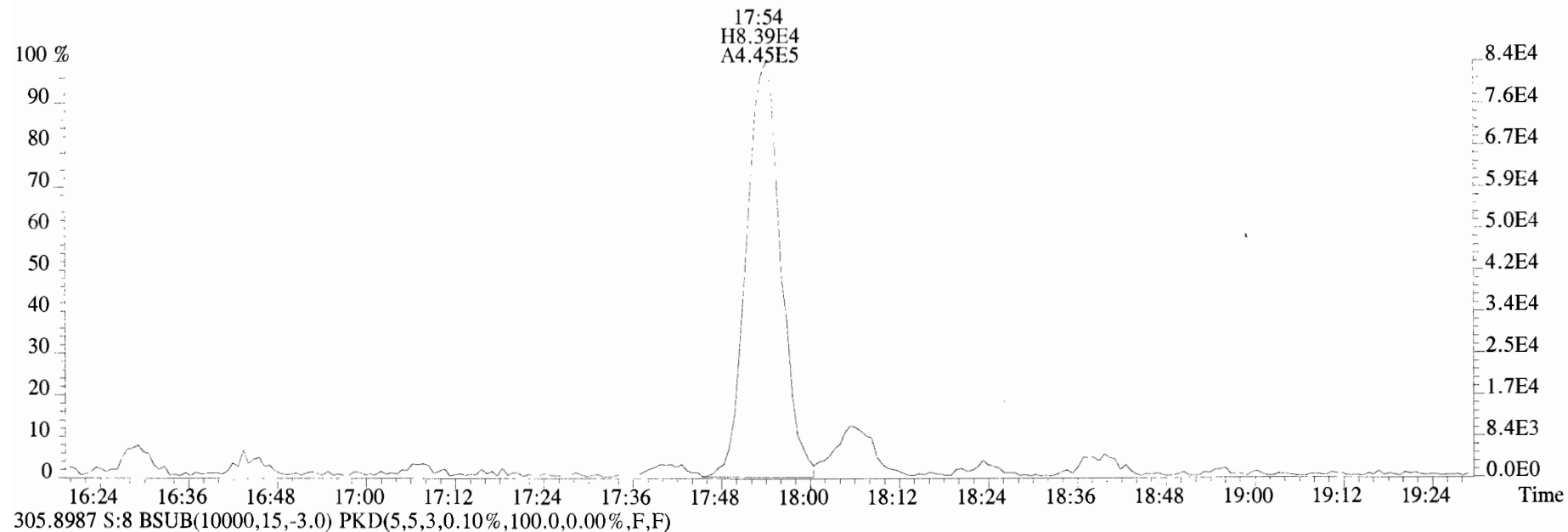
by
Analyst: HC CT

Date: 10.31.19 10/31/19

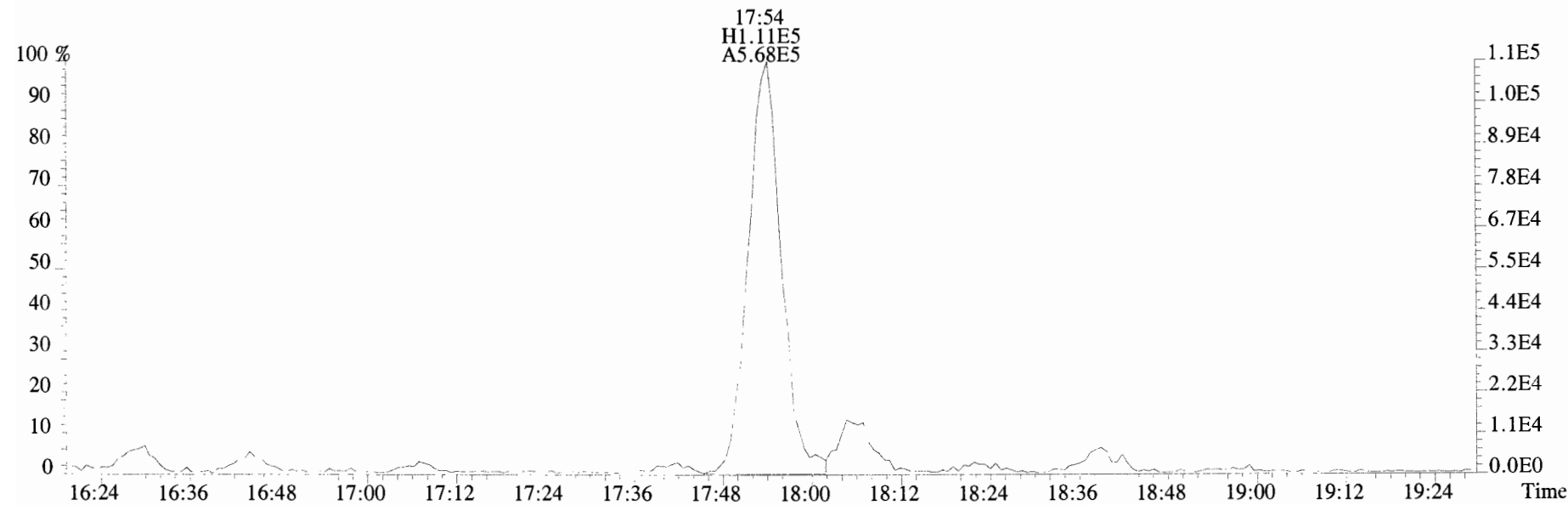
File:191022D1 #1-1682 Acq:22-OCT-2019 17:33:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG7 Text:1903285-04RE1 PDI-022SG-00-01-190924 17 Exp:TCDF_DB225
303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



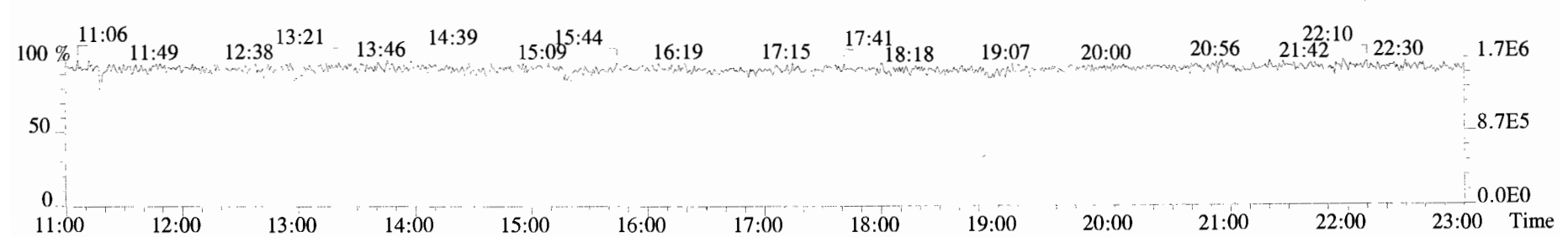
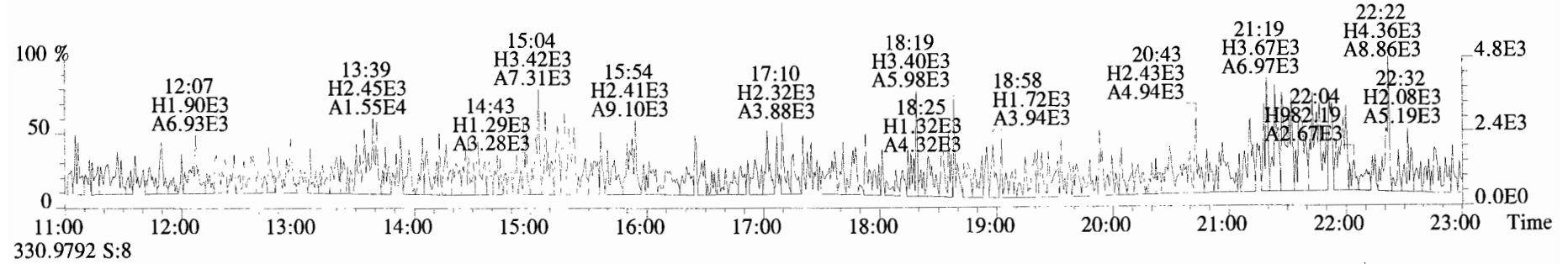
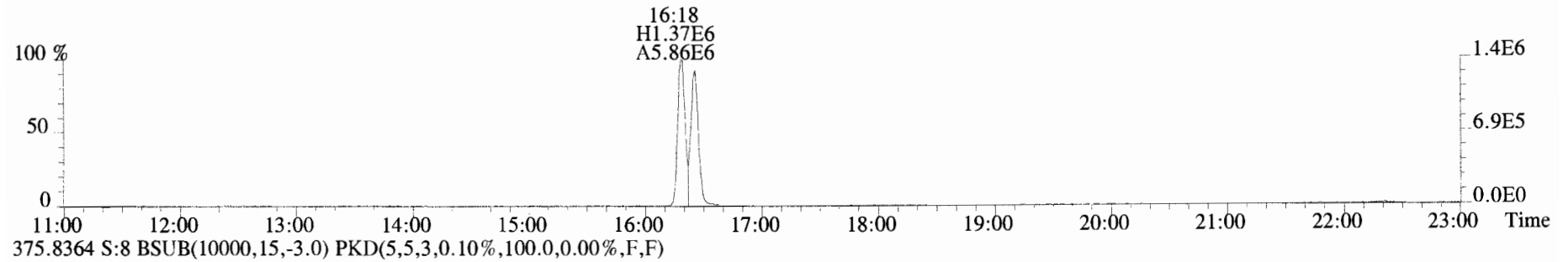
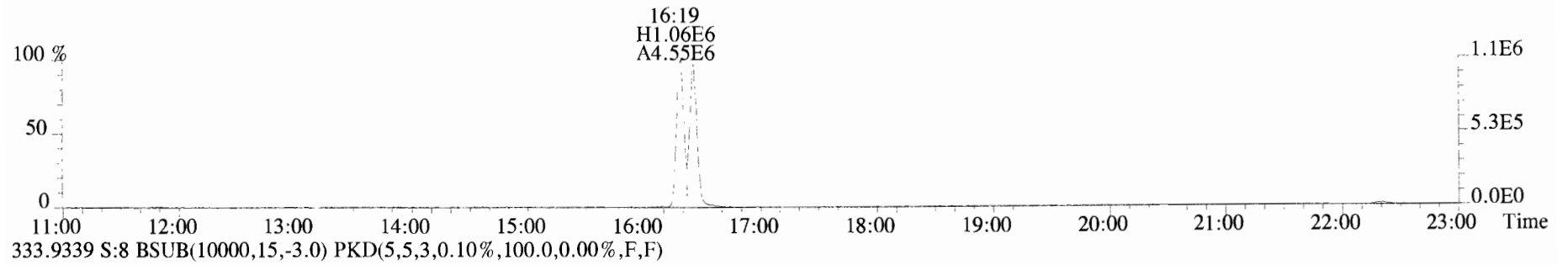
File:191022D1 #1-1682 Acq:22-OCT-2019 17:33:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG7 Text:1903285-04RE1 PDI-022SG-00-01-190924 17 Exp:TCDF_DB225
303.9016 S:8 BSUB(10000.15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



305.8987 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1682 Acq:22-OCT-2019 17:33:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:1903285-04RE1 PDI-022SG-00-01-190924 17 Exp:TCDF_DB225
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.57e+07	0.80 y	15:41	1.00	199.7	-
13C-2,3,7,8-TCDF	9.98e+06	0.78 y	17:55	1.02	124.6	62.4
2,3,7,8-TCDF	5.60e+05	0.83 y	17:56	0.95	11.82	

Integrations

by DB
Analyst: DB

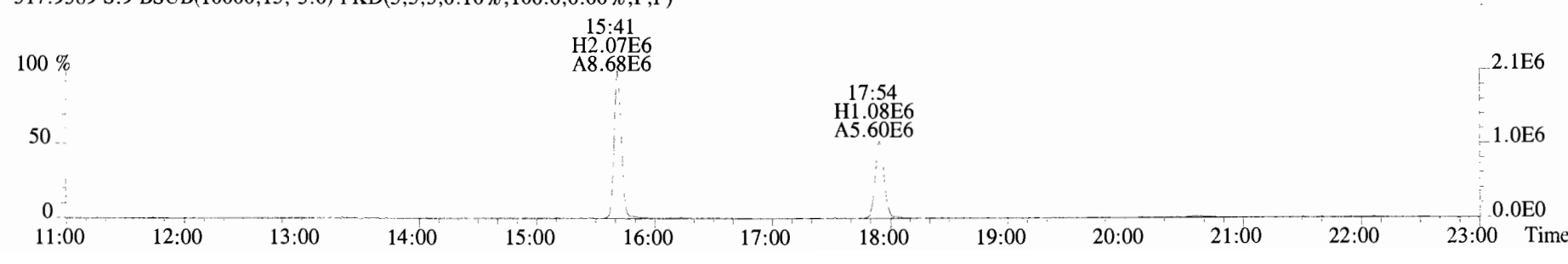
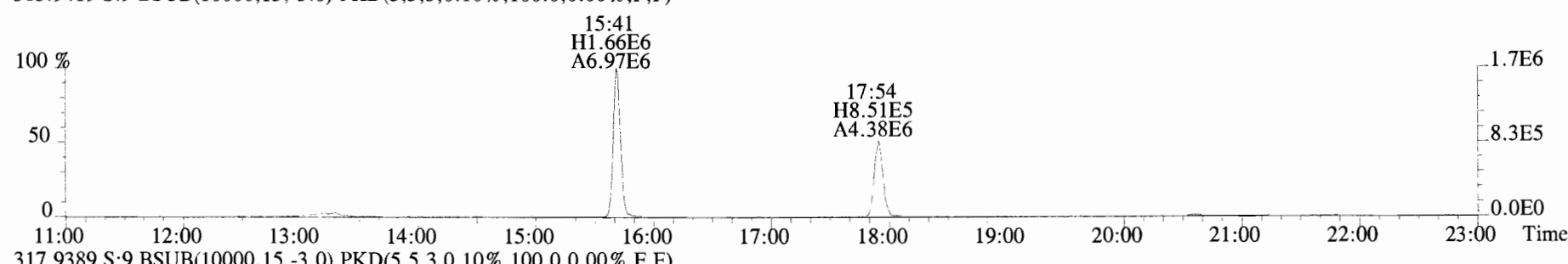
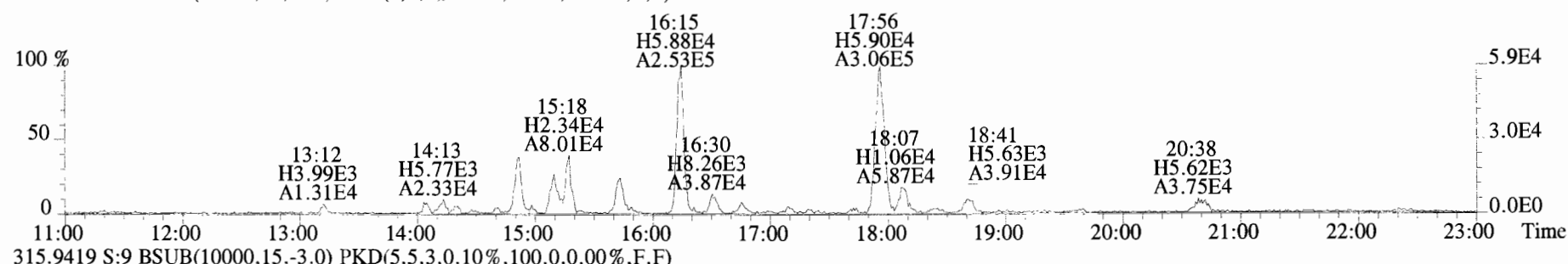
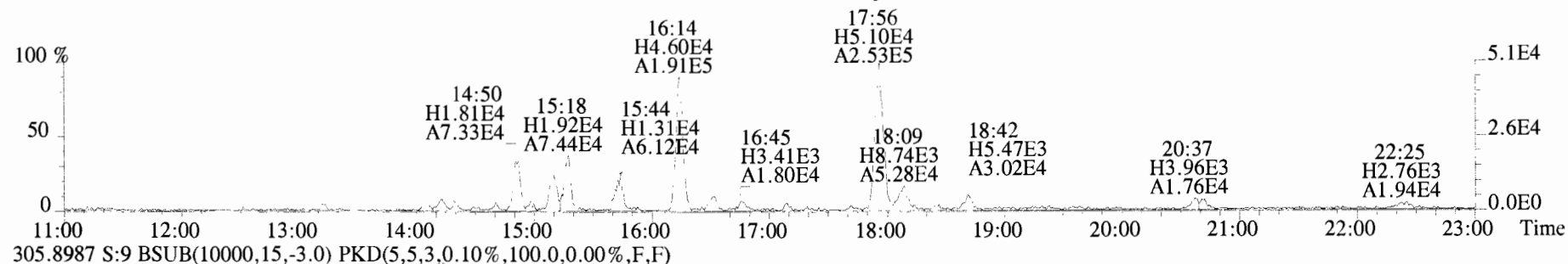
Date: 10/23/19

Reviewed

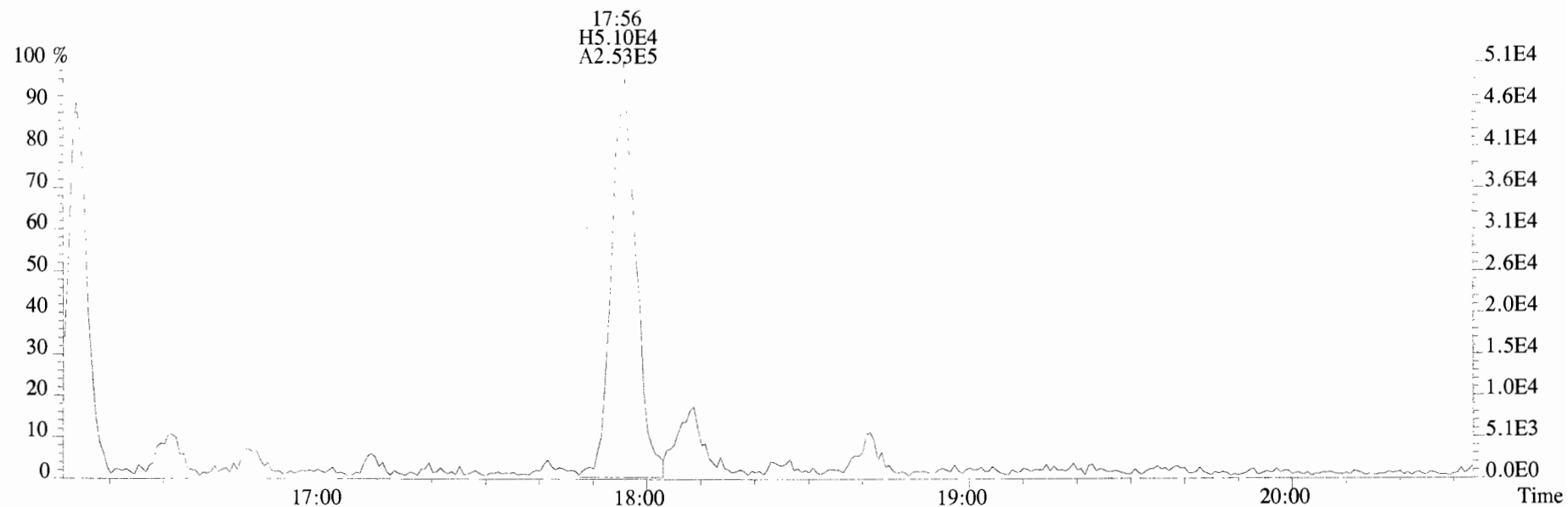
by HC CT
Analyst: HC CT

Date: 10.31.19 10/31/19

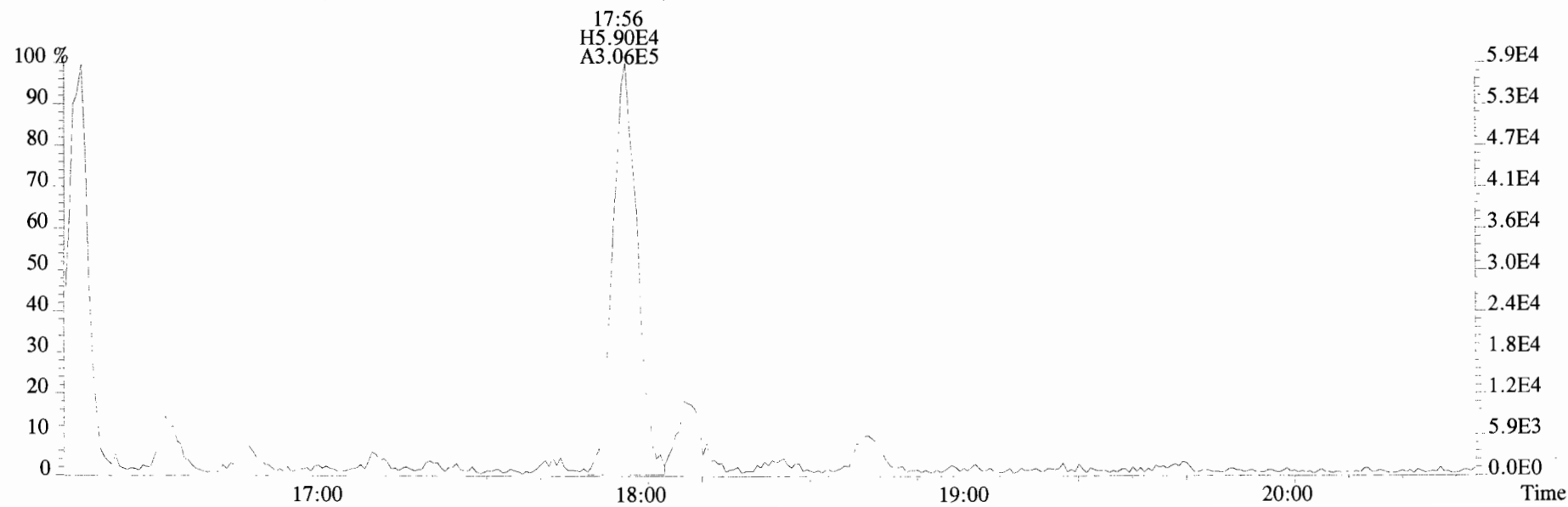
File:191022D1 #1-1683 Acq:22-OCT-2019 18:05:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-05RE1 PDI-101SG-00-01-190923 26.9 Exp:TCDF_DB225
 303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



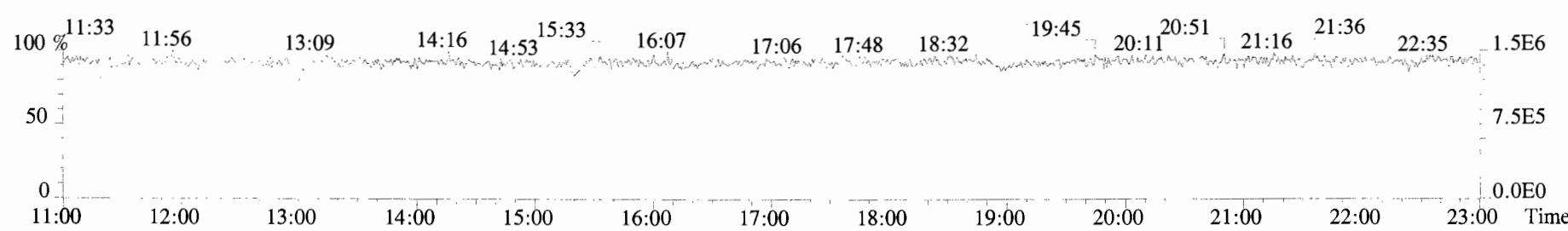
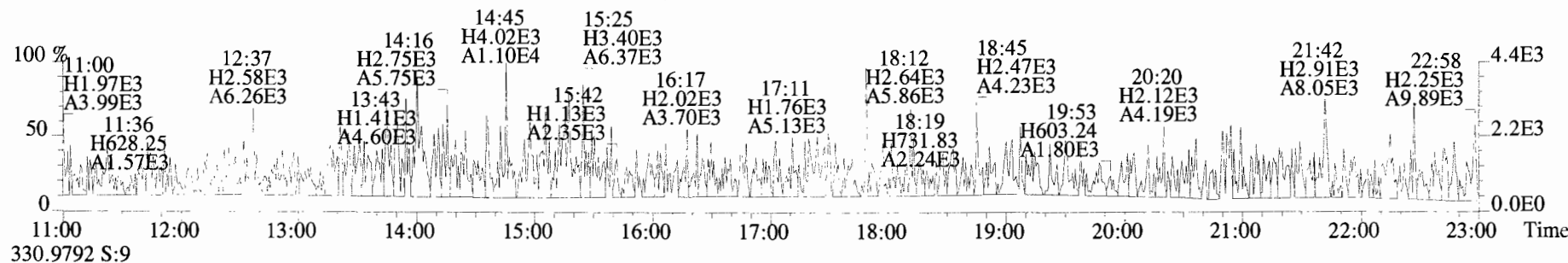
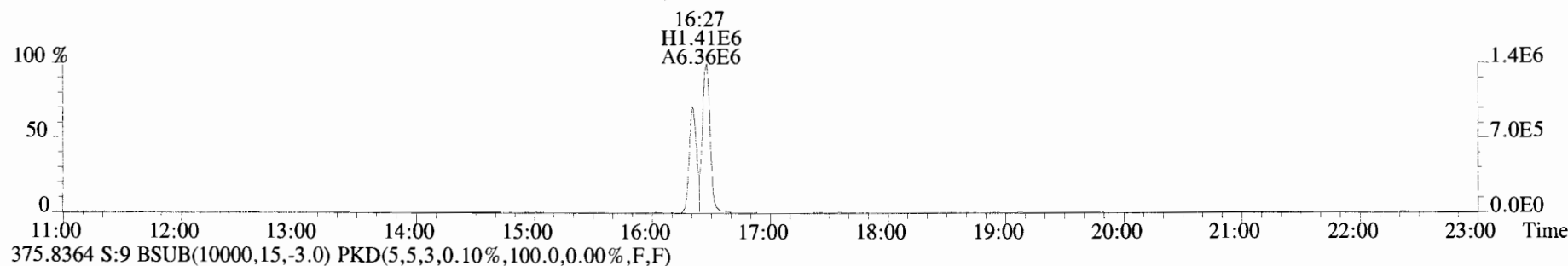
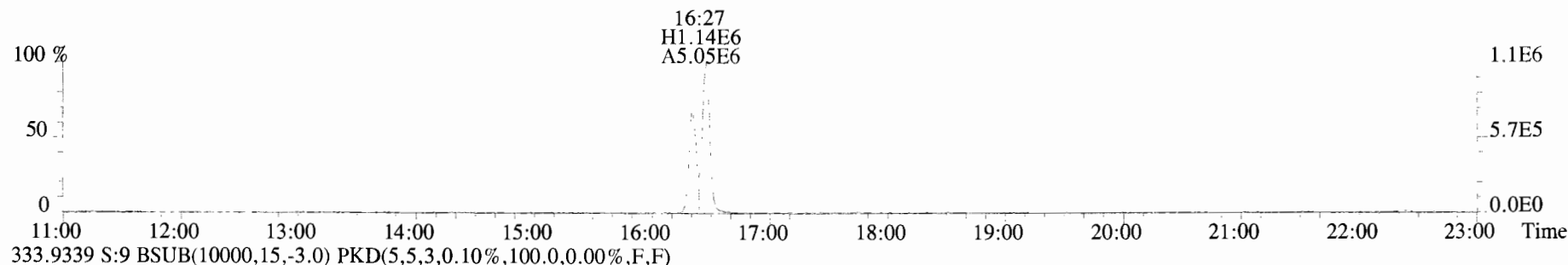
File:191022D1 #1-1683 Acq:22-OCT-2019 18:05:19 GC EI+ Voltage SIR Autospec-UltimaE
Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-05RE1 PDI-101SG-00-01-190923 26.9 Exp:TCDF_DB225
303.9016 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



305.8987 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 18:05:19 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#9 File Text:Vista Analytical Laboratory VG7 Text:1903285-05RE1 PDI-101SG-00-01-190923 26.9 Exp:TCDF_DB225
 331.9368 S:9 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: PDI-102SG-00-01-190923 Filename: 191030D1 S:6 Acq:30-OCT-19 16:37:44
Lab ID: 1903285-06RE3 GC Column ID: DB-225 ICal: 1613TCDFVG7-5-30-19 wt/vol:10.179

ConCal: ST191030D1-1
EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.30e+07	0.79 y	15:31	1.00	196.5	-
13C-2,3,7,8-TCDF	1.30e+07	0.78 y	17:43	1.02	193.1	98.3
2,3,7,8-TCDF	5.75e+05	0.75 y	17:43	0.95	9.162	

Integrations

by
Analyst: DB

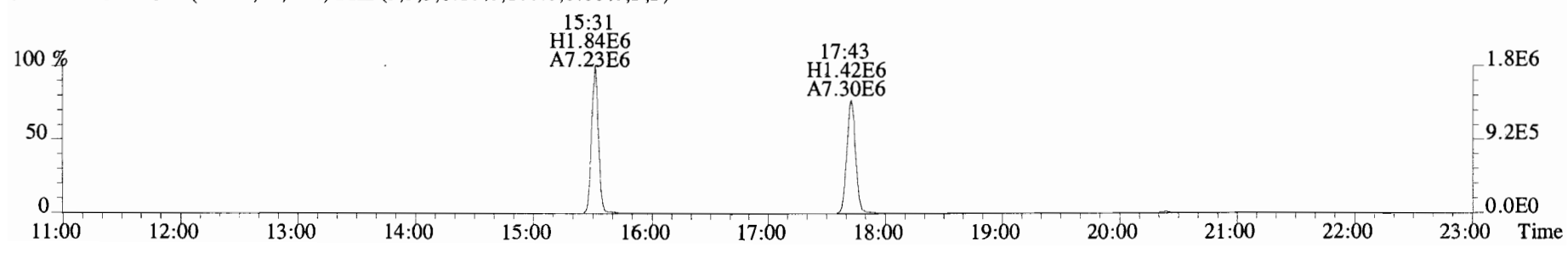
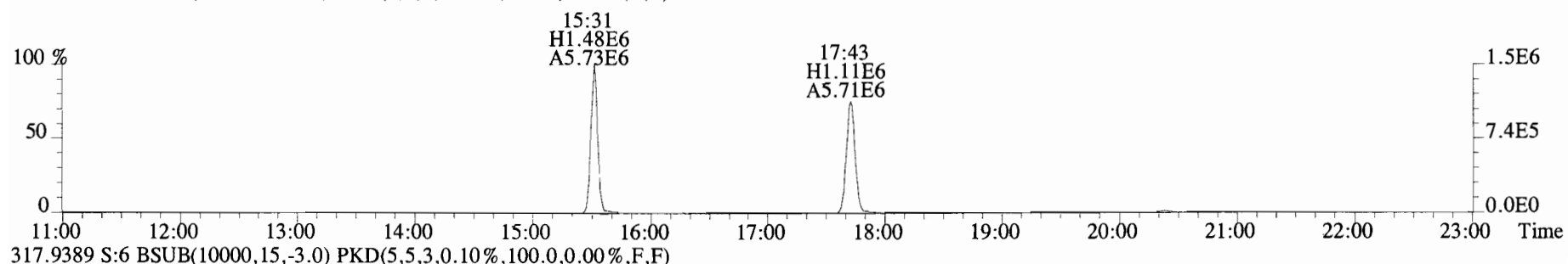
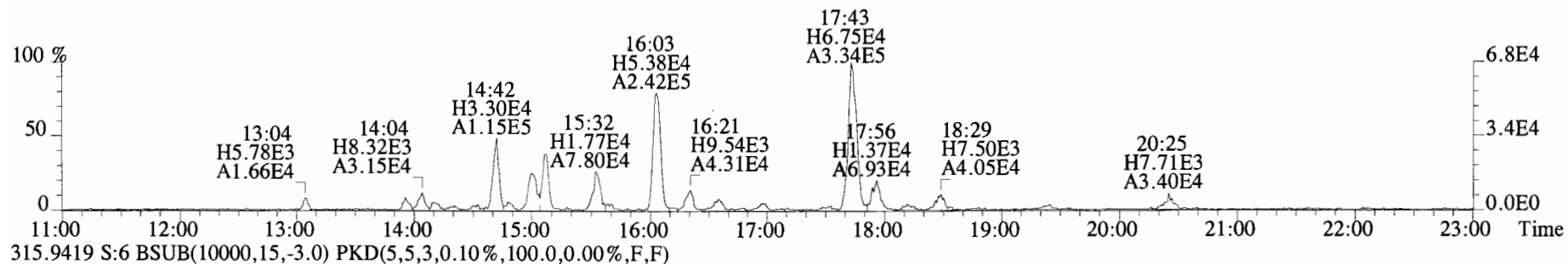
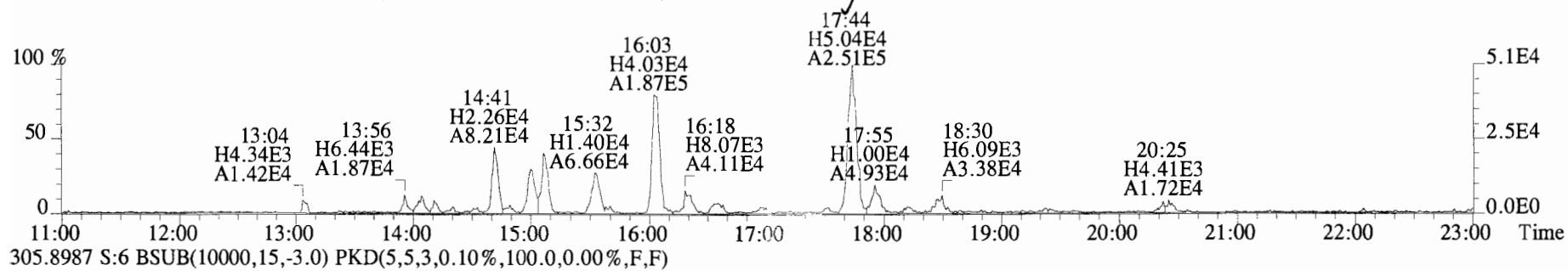
Date: 10/30/19

Reviewed

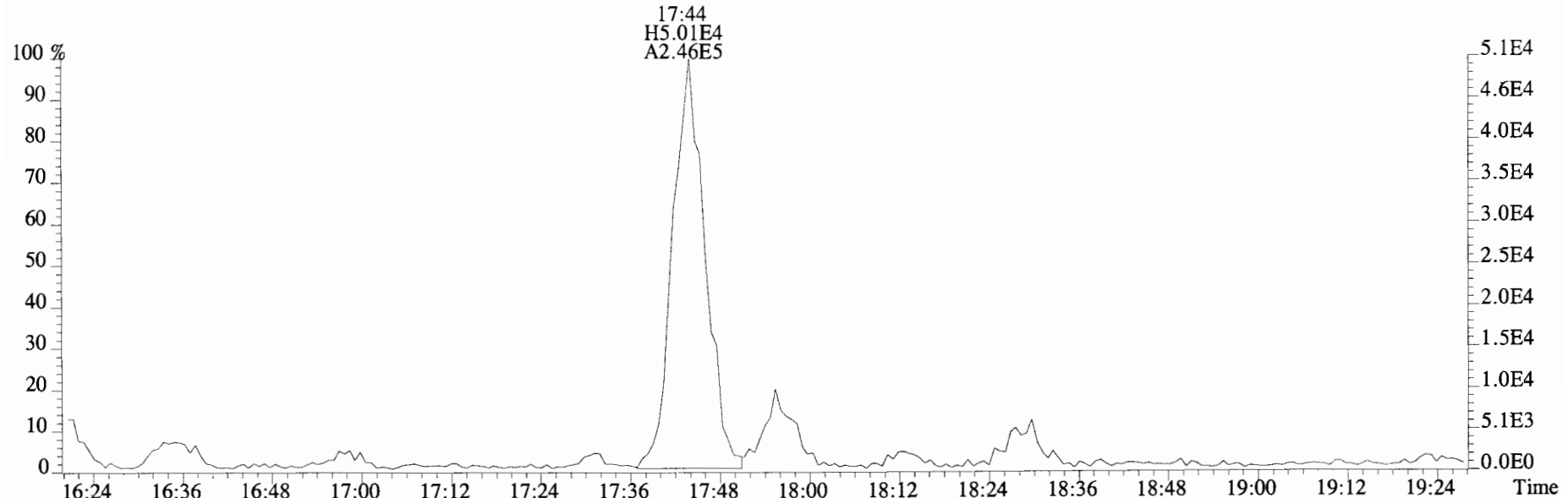
by
Analyst: HL C7

Date: 10.31.19 10/31/19

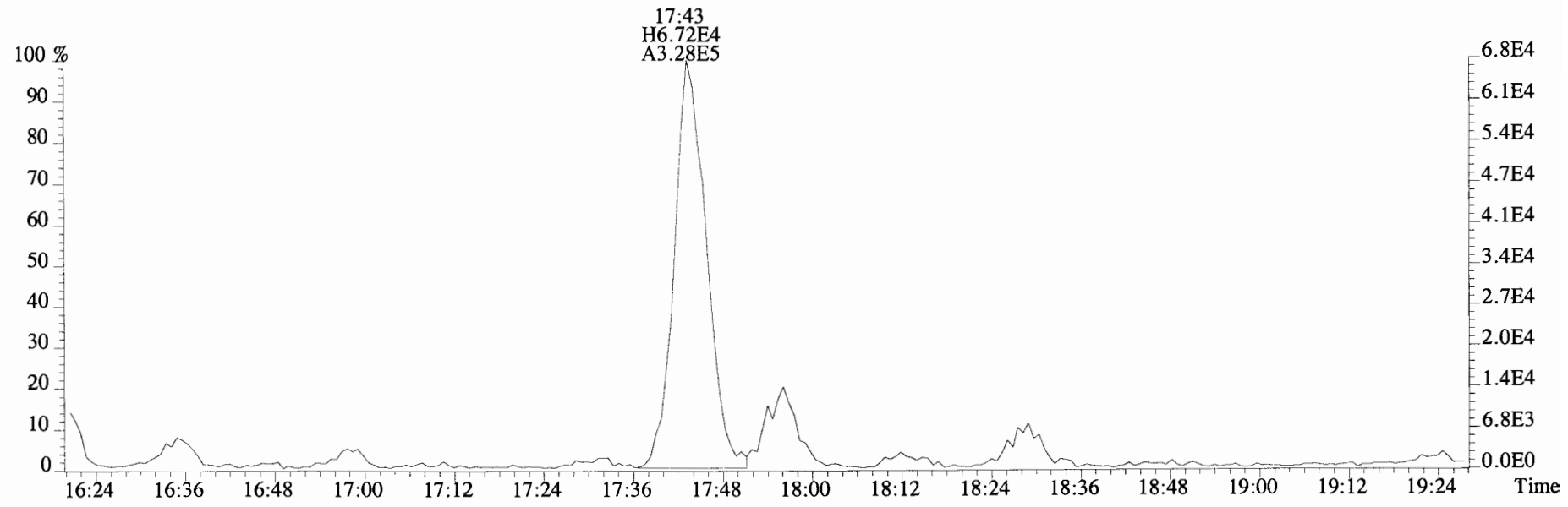
File:191030D1 #1-1682 Acq:30-OCT-2019 16:37:44 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Viata Analytical Laboratory_VG7 Text:1903285-06RE3 PDI-102SG-00-01-190923 24.72 Exp:TCDF_DB225
 303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



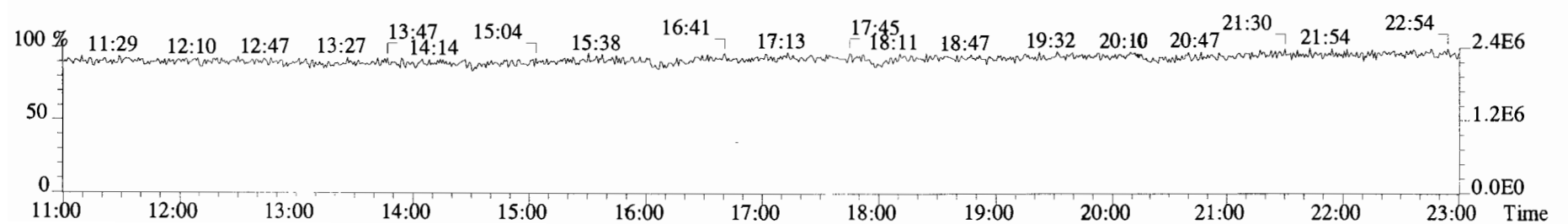
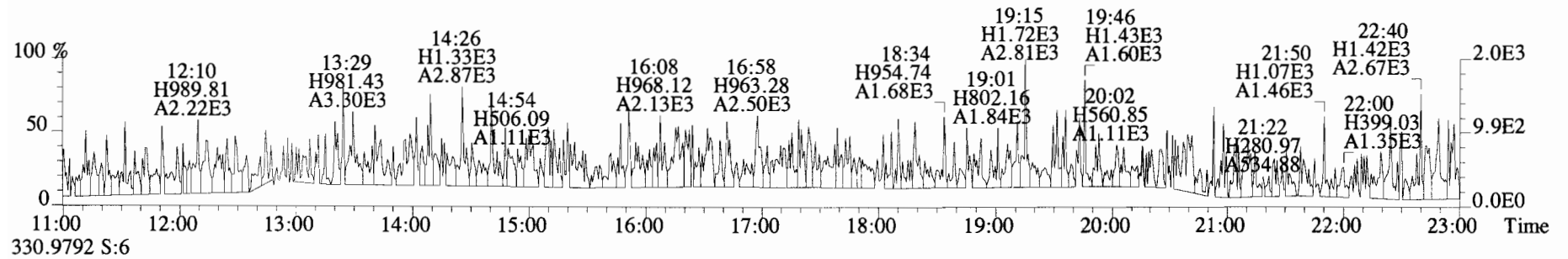
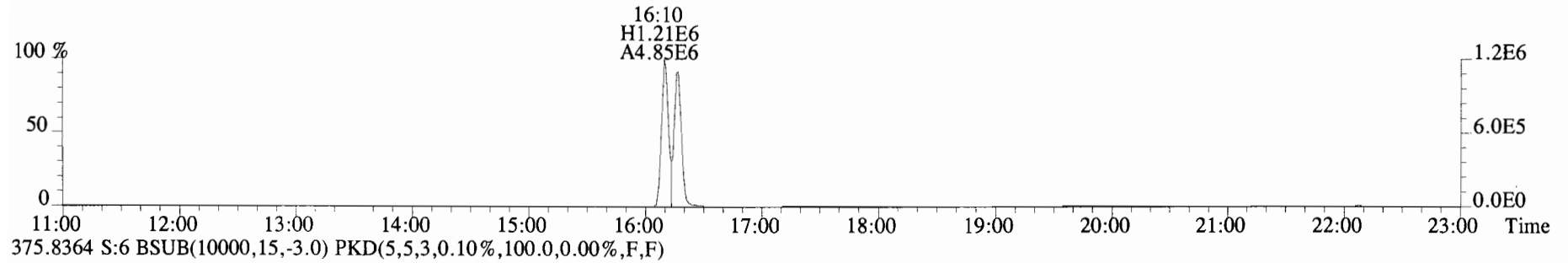
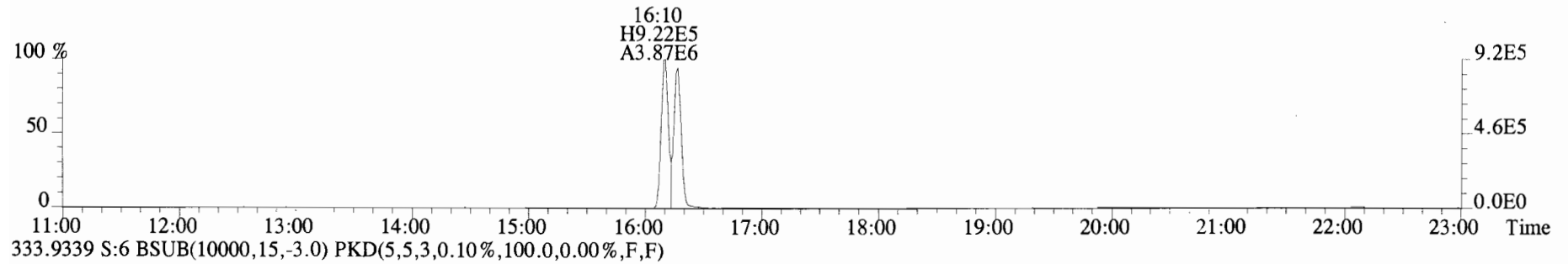
File:191030D1 #1-1682 Acq:30-OCT-2019 16:37:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Viata Analytical Laboratory_VG7 Text:1903285-06RE3 PDI-102SG-00-01-190923 24.72 Exp:TCDF_DB225
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



305.8987 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191030D1 #1-1682 Acq:30-OCT-2019 16:37:44 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Viata Analytical Laboratory_VG7 Text:1903285-06RE3 PDI-102SG-00-01-190923 24.72 Exp:TCDF_DB225
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: Duplicate
Lab ID: B9J0052-DUP1RE1

Filename: 191030D1 S:7 Acq:30-OCT-19 17:09:35
GC Column ID: DB-225 ICal: 1613TCDFVG7-5-30-19 wt/vol:10.105

ConCal: ST191030D1-1
EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.22e+07	0.79 y	15:33	1.00	197.9	-
13C-2,3,7,8-TCDF	1.12e+07	0.79 y	17:45	1.02	178.3	90.1
2,3,7,8-TCDF	6.54e+05	0.79 y	17:46	0.95	12.19	

Integrations

by
Analyst: DB

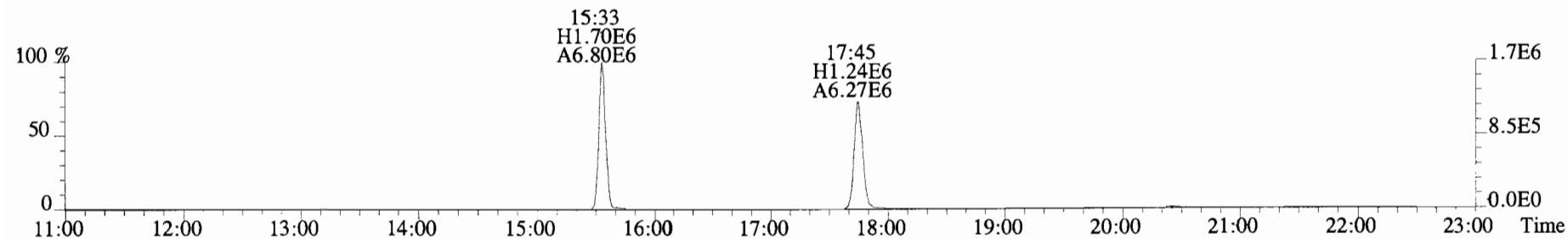
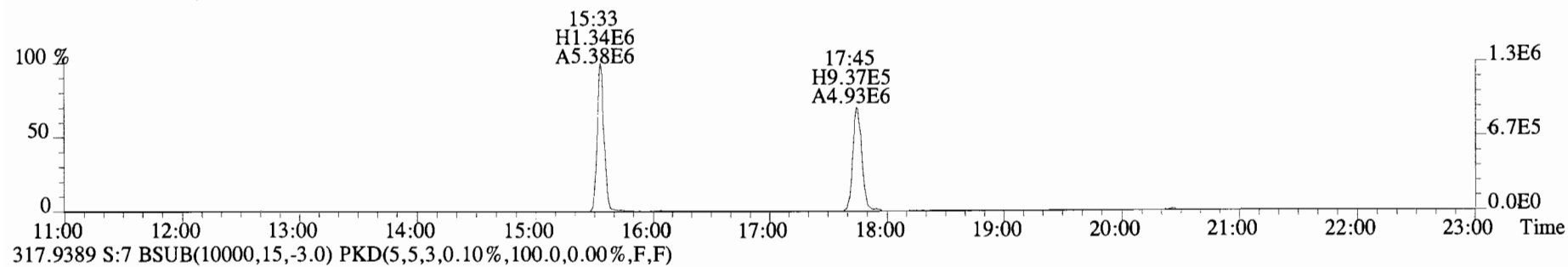
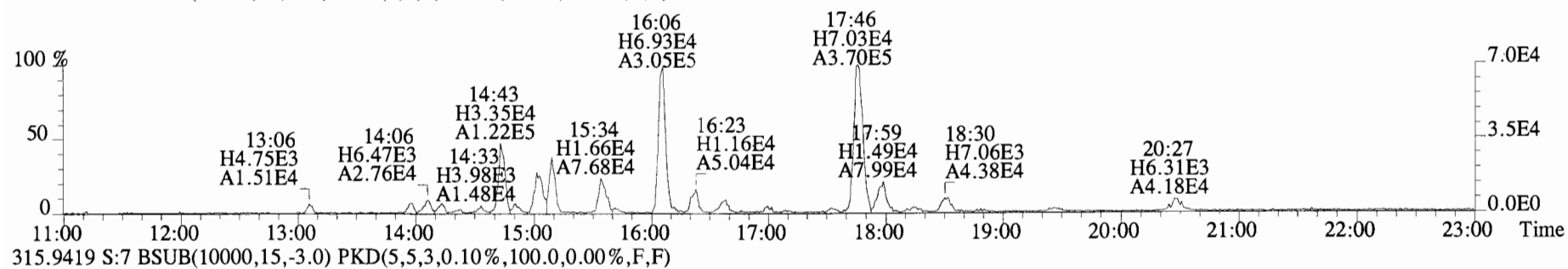
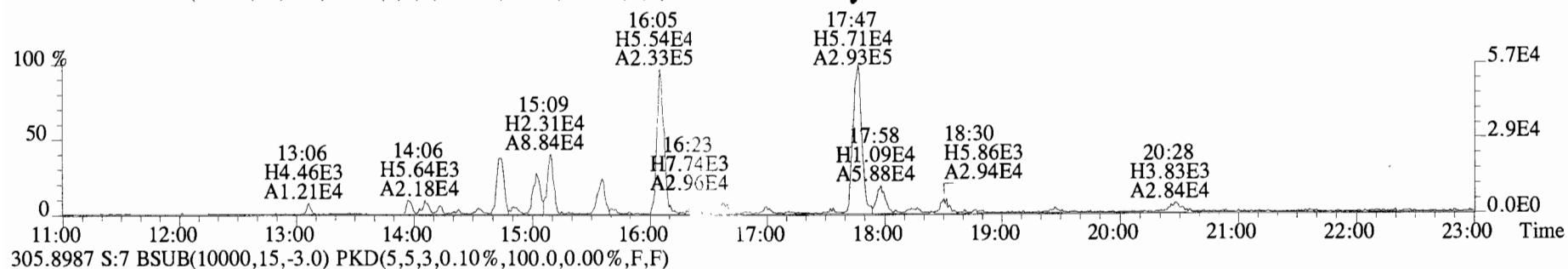
Date: 10/31/19

Reviewed

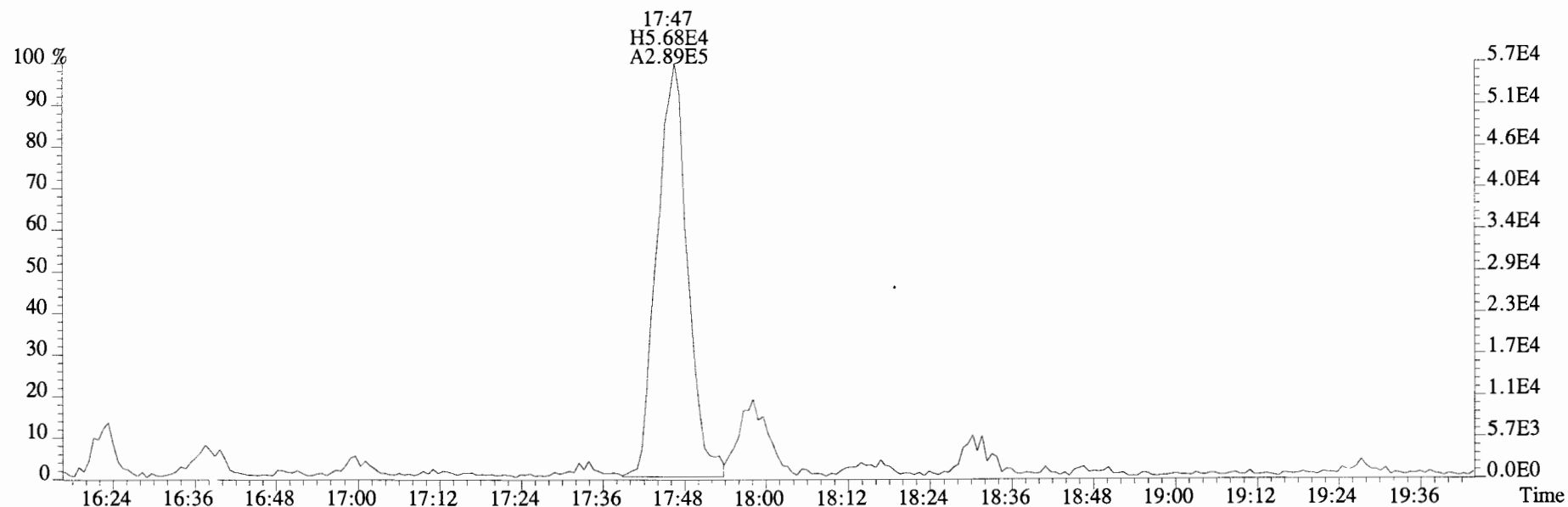
by
Analyst: AC C7

Date: 10.31.19 10/31/19

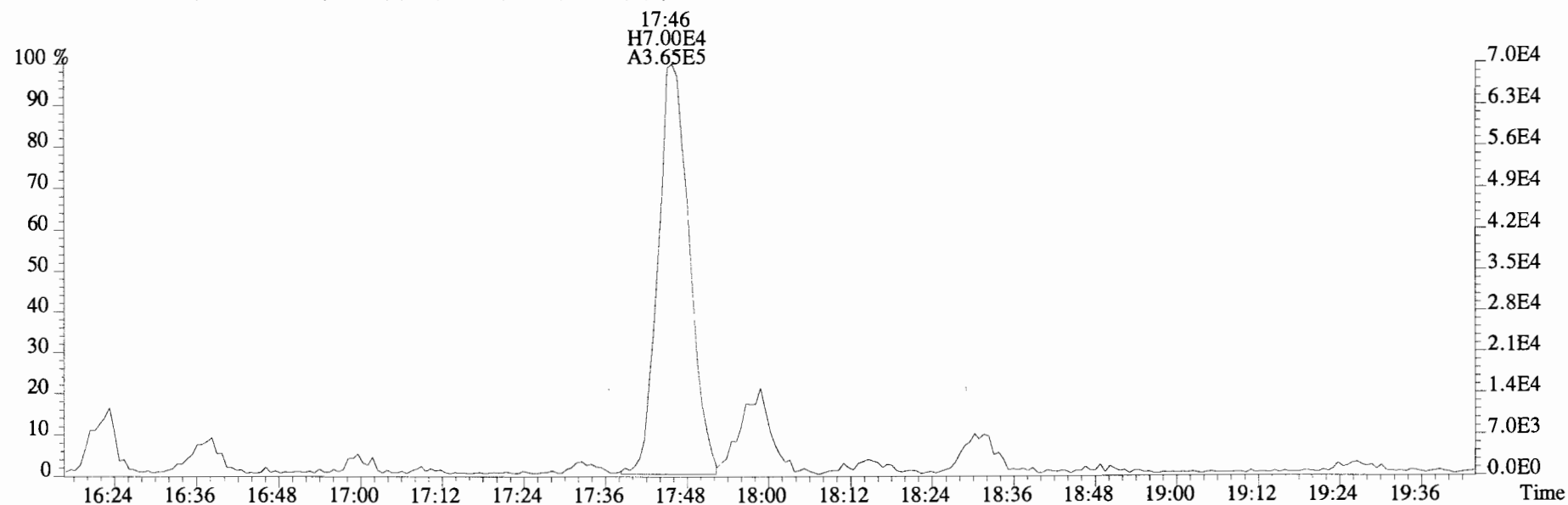
File:191030D1 #1-1683 Acq:30-OCT-2019 17:09:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata Analytical Laboratory_VG7 Text:B9J0052-DUP1RE1 Duplicate 10.105 Exp:TCDF_DB225
 303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



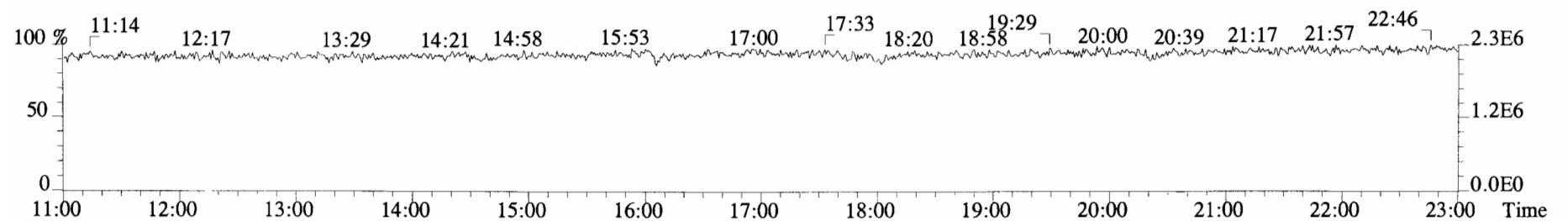
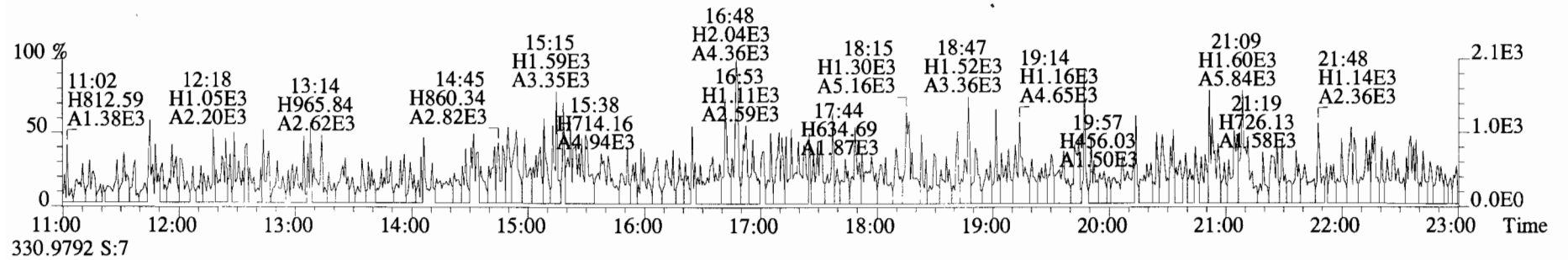
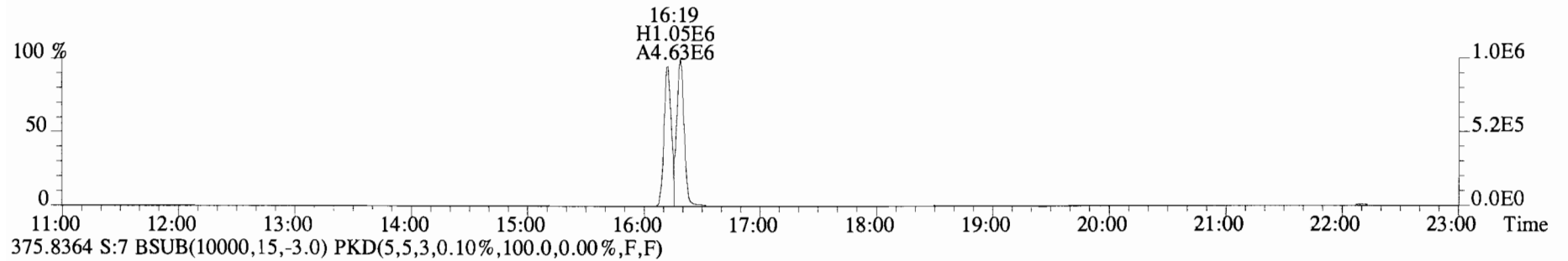
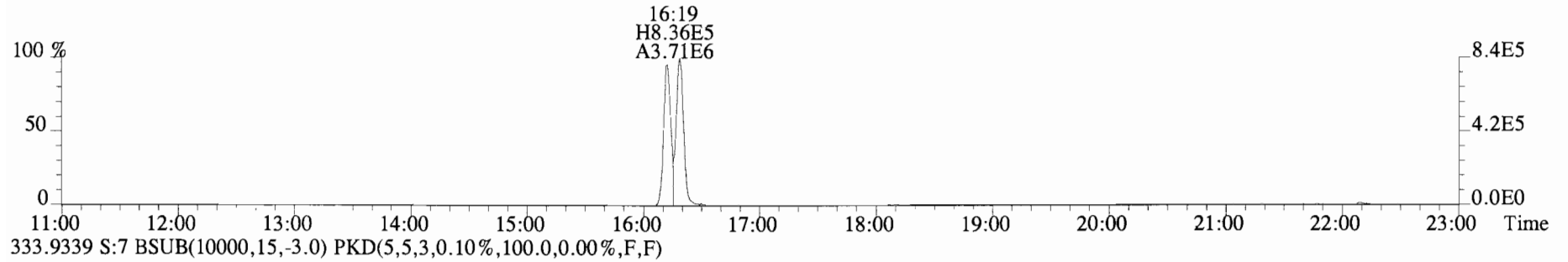
File:191030D1 #1-1683 Acq:30-OCT-2019 17:09:35 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Viata_Analytical_Laboratory_VG7 Text:B9J0052-DUP1RE1 Duplicate 10.105 Exp:TCDF_DB225
303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



305.8987 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191030D1 #1-1683 Acq:30-OCT-2019 17:09:35 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Viata Analytical Laboratory_VG7 Text:B9J0052-DUP1RE1 Duplicate 10.105 Exp:TCDF_DB225
 331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.65e+07	0.80 y	15:40	1.00	197.6	-
13C-2,3,7,8-TCDF	1.03e+07	0.78 y	17:53	1.02	121.0	61.2
2,3,7,8-TCDF	6.82e+05	0.81 y	17:54	0.95	13.75	

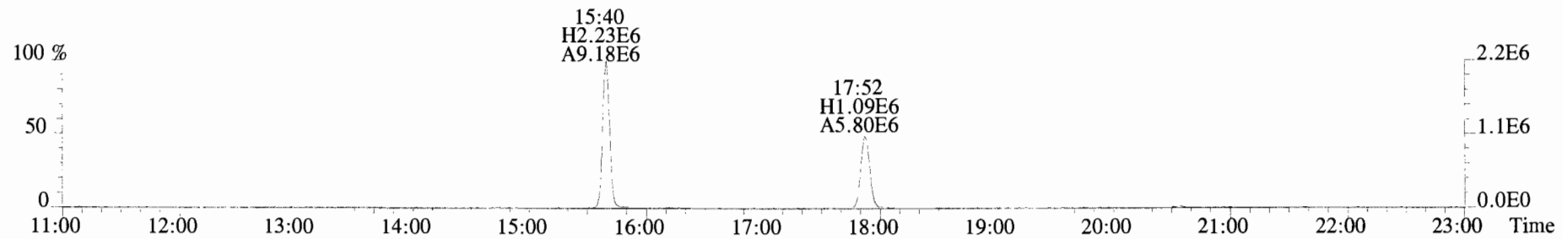
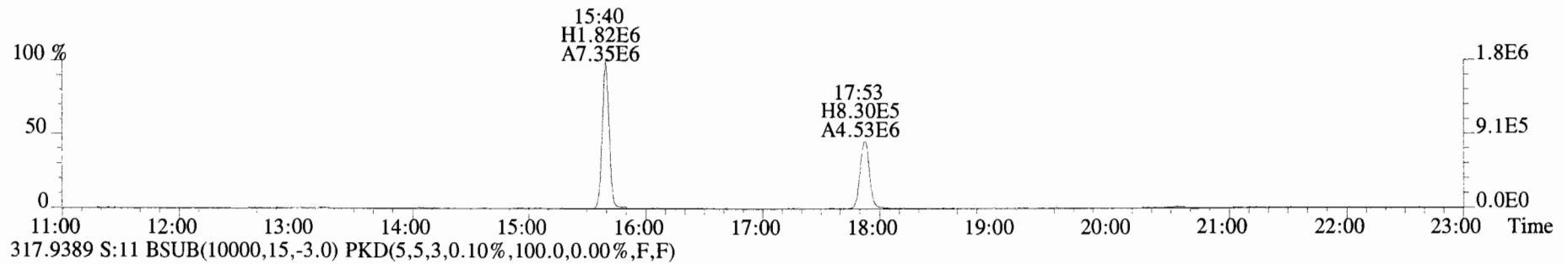
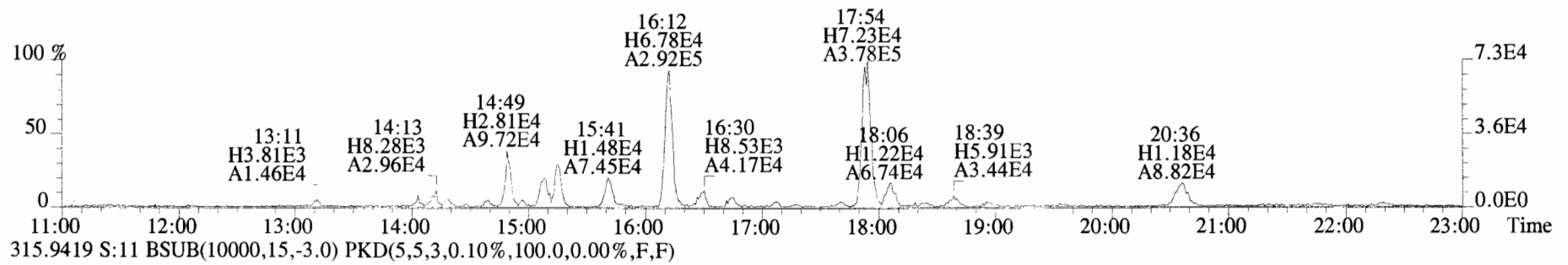
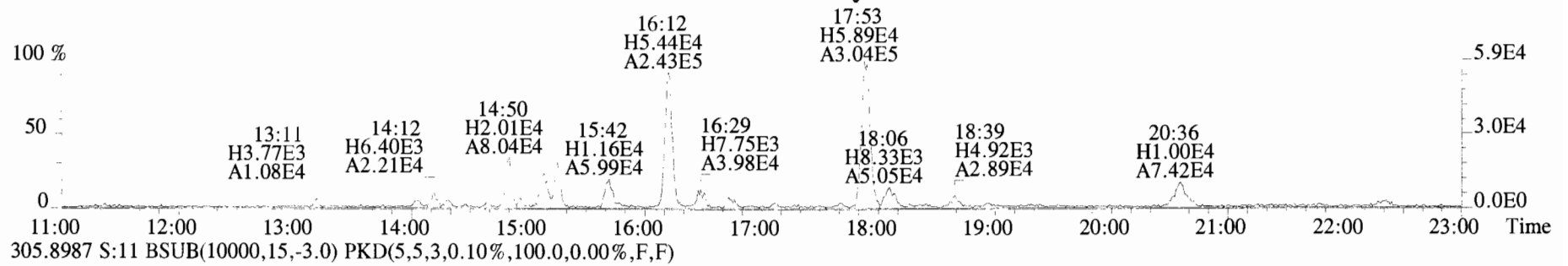
Integrations
by
Analyst: DB

Date: 10/23/19

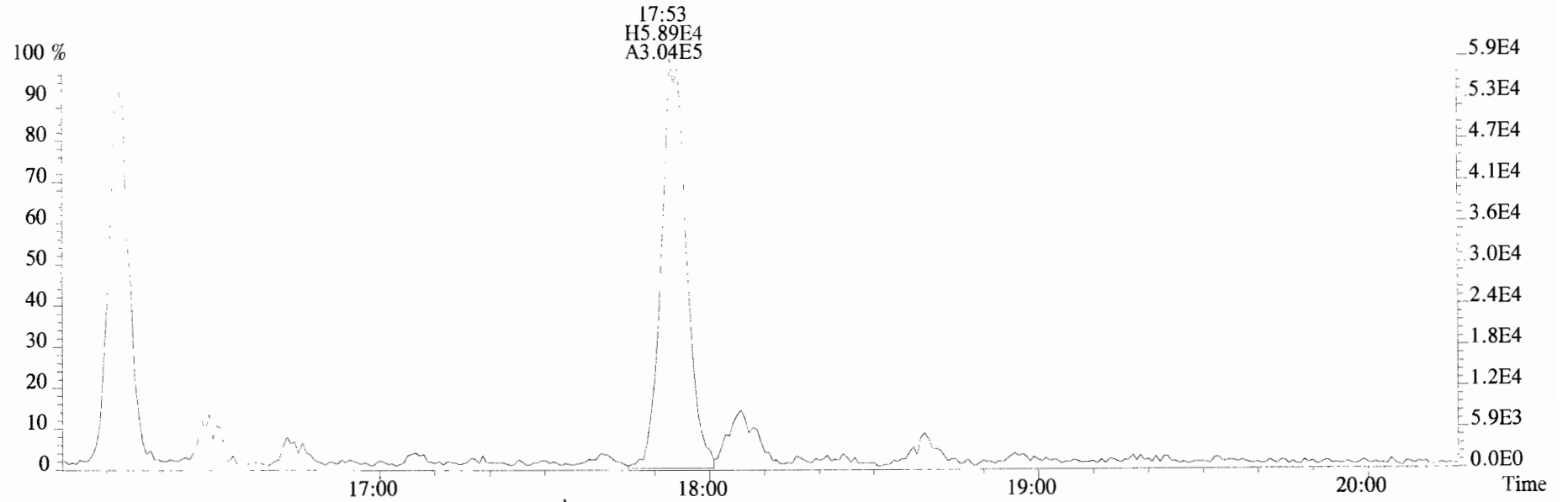
Reviewed
by
Analyst: HL CT

Date: 10/31/19 10/31/19

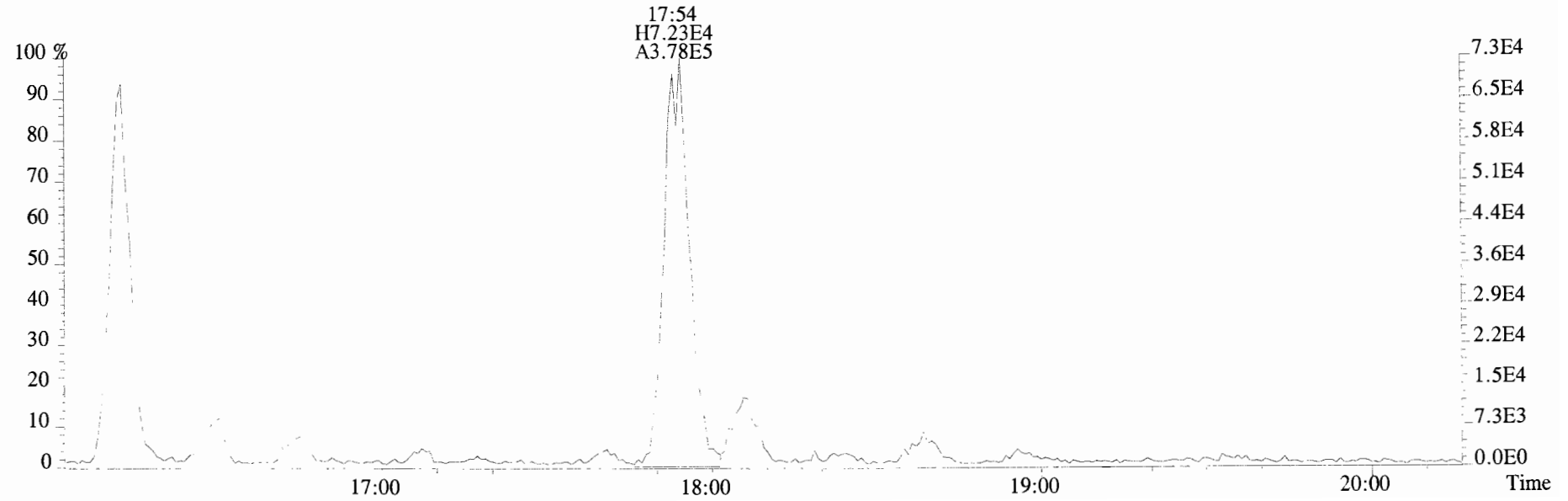
File:191022D1 #1-1683 Acq:22-OCT-2019 19:08:57 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07RE1 PDI-103SG-00-01-190924 22.71 Exp:TCDF_DB225
 303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



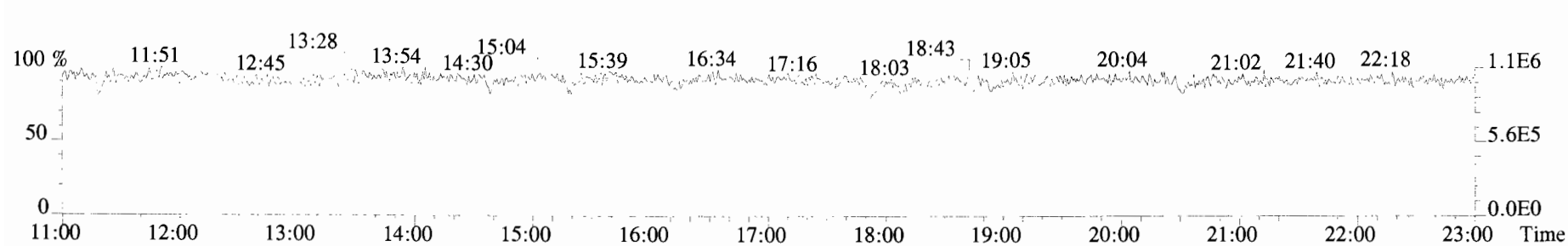
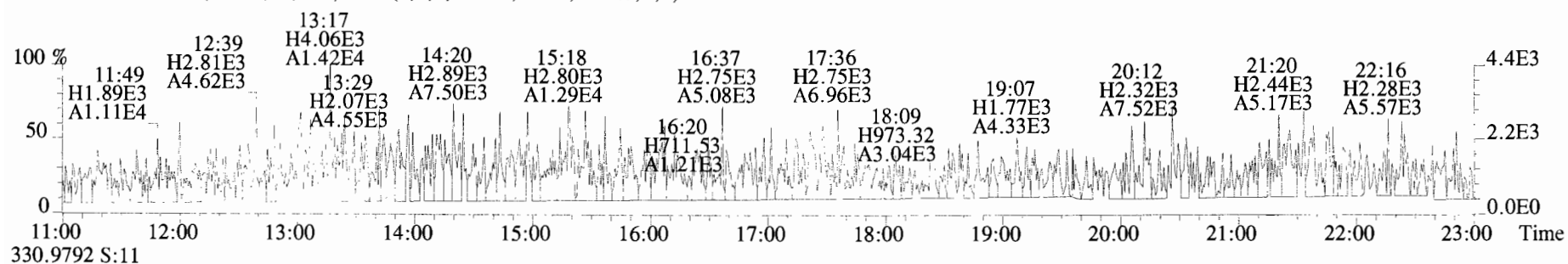
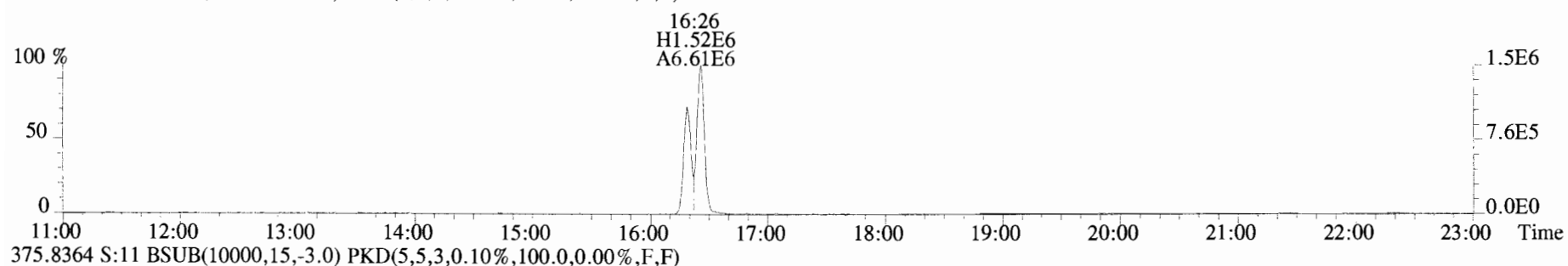
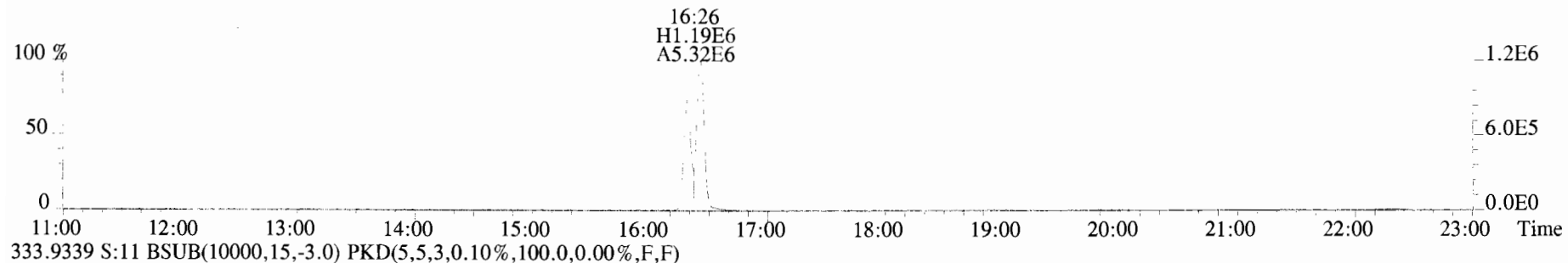
File:191022D1 #1-1683 Acq:22-OCT-2019 19:08:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07RE1 PDI-103SG-00-01-190924 22.71 Exp:TCDF_DB225
303.9016 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



305.8987 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 19:08:57 GC EI+ Voltage SIR Autospec-UltimaE
Sample#11 File Text:Vista Analytical Laboratory_VG7 Text:1903285-07RE1 PDI-103SG-00-01-190924 22.71 Exp:TCDF_DB225
331.9368 S:11 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: PDI 104SG 00-01-190924 Filename: 191022D1 S:12 Acq:22 OCT 19 19:40:47
Lab ID: 1903285-08RE1 GC Column ID: DB-225 ICal: 1613TCDFVG7-5-30-19 wt/vol:10.018

ConCal: ST:191022D1-1
EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.76e+07	0.80 y	15:41	1.00	199.6	-
13C-2,3,7,8-TCDF	1.29e+07	0.79 y	17:54	1.02	143.6	71.9
2,3,7,8-TCDF	1.29e+06	0.80 y	17:55	0.95	21.09	

Integrations

by DB
Analyst: DB

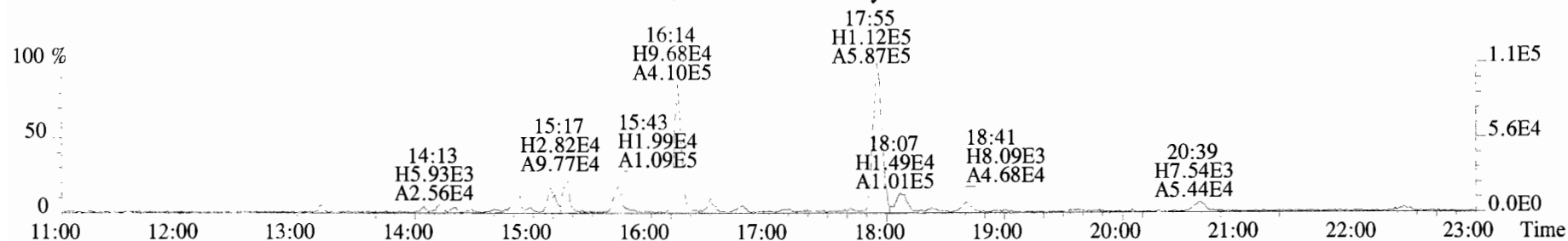
Date: 10/23/19

Reviewed

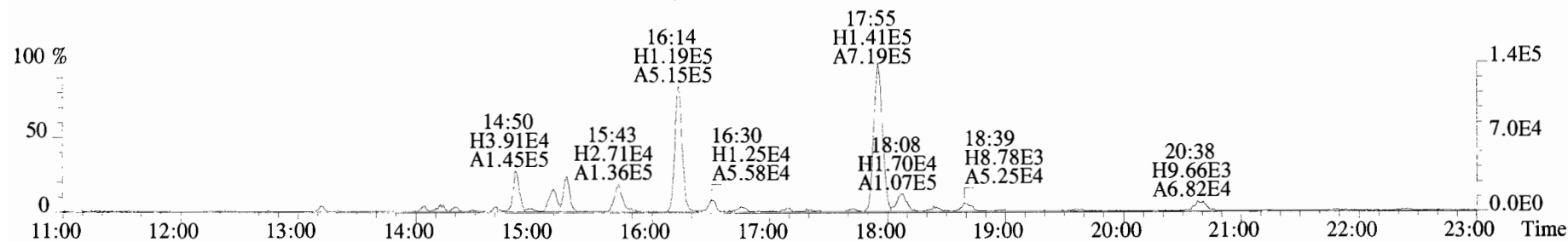
by AC CT
Analyst: AC CT

Date: 10/31/19 10/31/19

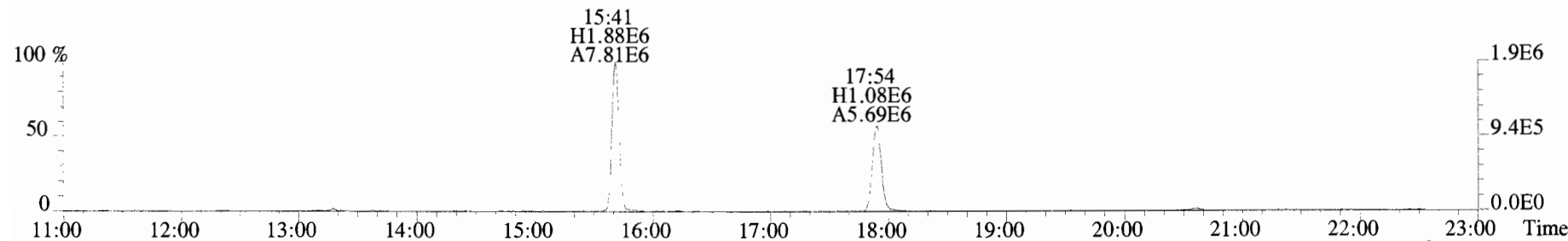
File:191022D1 #1-1683 Acq:22-OCT-2019 19:40:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-08RE1 PDI-104SG-00-01-190924 27.03 Exp:TCDF_DB225
 303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



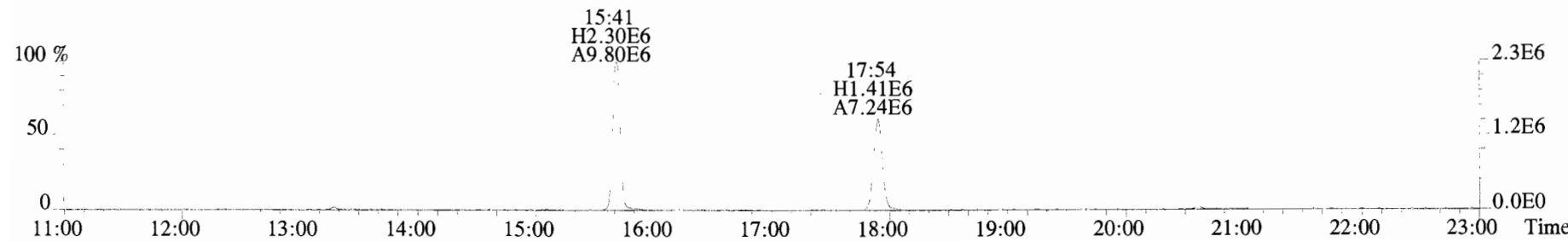
305.8987 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



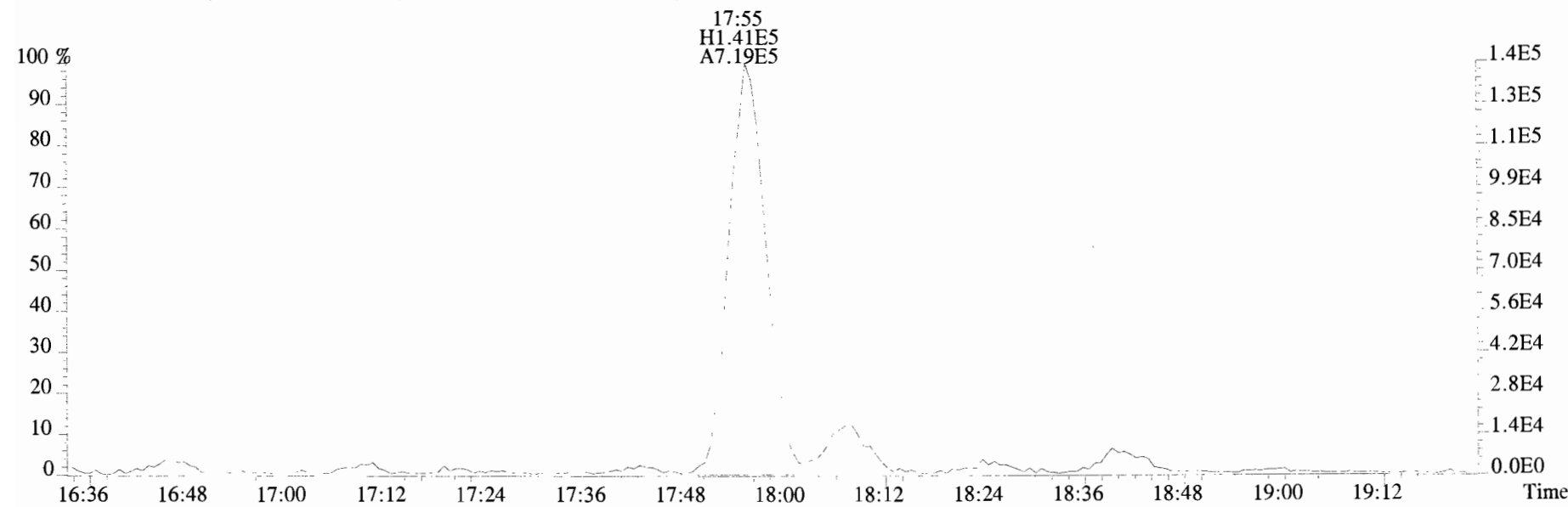
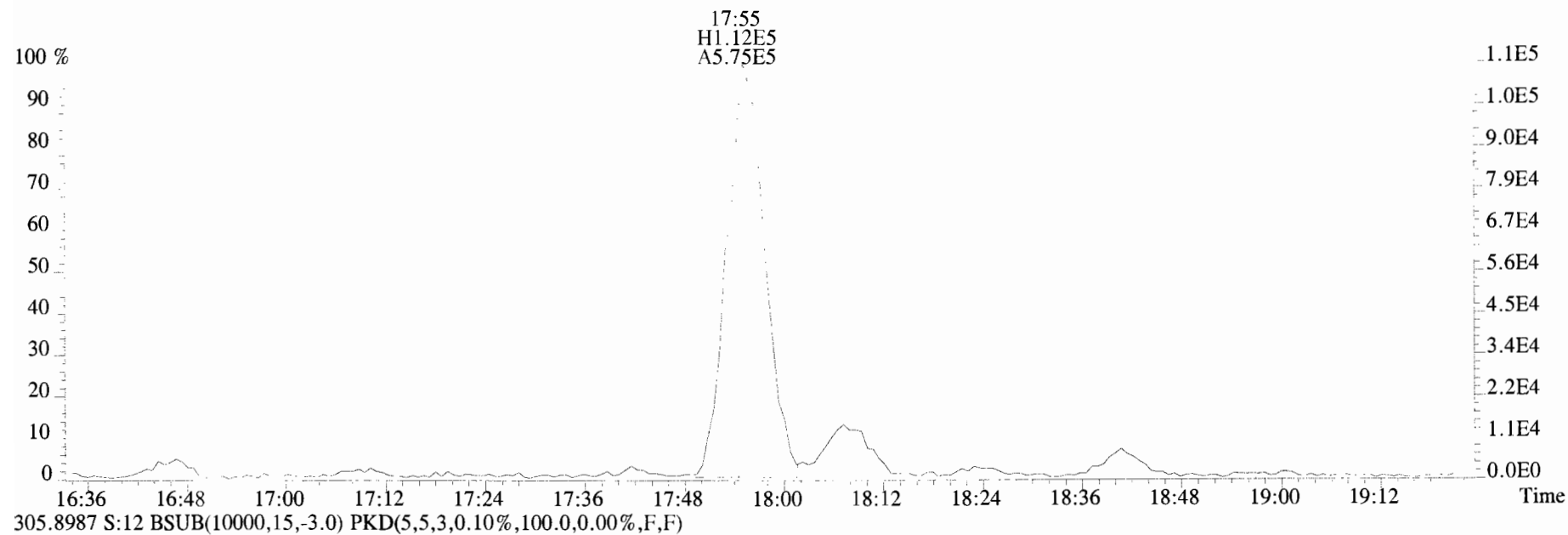
315.9419 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



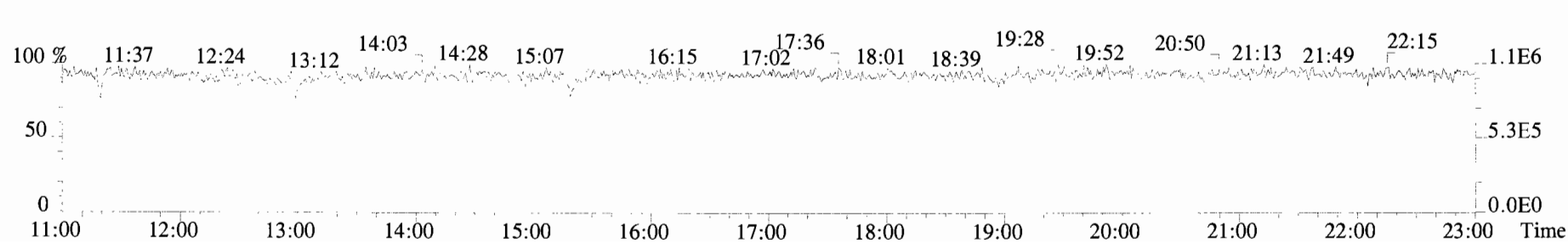
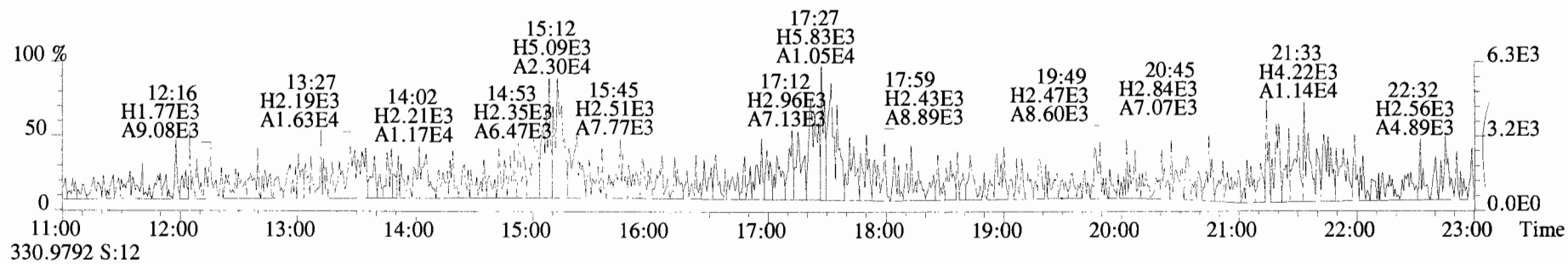
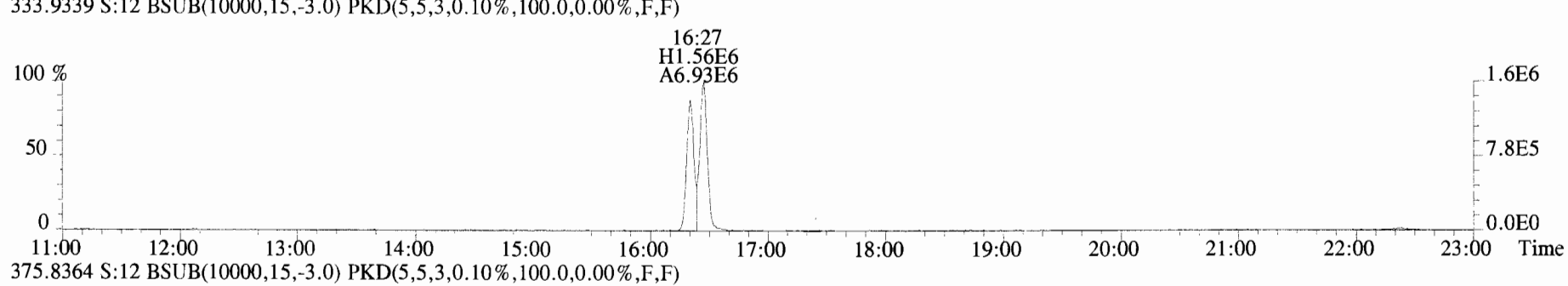
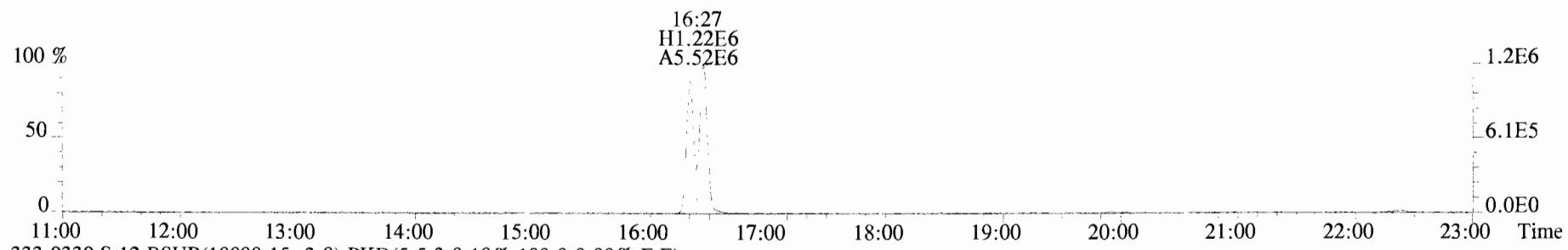
317.9389 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 19:40:47 GC EI+ Voltage SIR Autospec-UltimaE
Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-08RE1 PDI-104SG-00-01-190924 27.03 Exp:TCDF_DB225
303.9016 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 19:40:47 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#12 File Text:Vista Analytical Laboratory VG7 Text:1903285-08RE1 PDI-104SG-00-01-190924 27.03 Exp:TCDF_DB225
 331.9368 S:12 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Client ID: FDI-105SG 00-0 99 19097
Lab ID: 1903285-09RE1

Filename: 191022D1 S:13 Acq:22 OCT 19 20 12:37
GC Column ID: DB 225 ICal: 1613TCDFVG7-5-30-19 wt/vol: 9.690

ConCal: ST191022D1 1
EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.54e+07	0.81 y	15:41	1.00	206.4	-
13C-2,3,7,8-TCDF	1.28e+07	0.81 y	17:55	1.02	168.3	81.6
2,3,7,8-TCDF	7.18e+05	0.79 y	17:56	0.95	12.19	

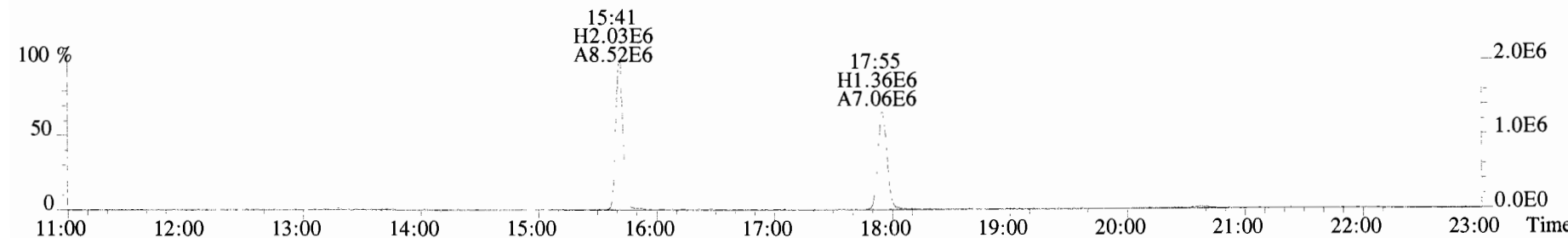
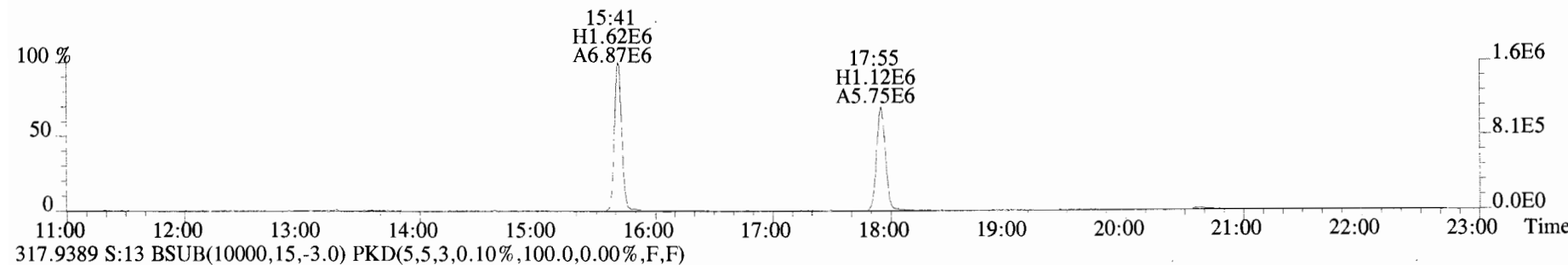
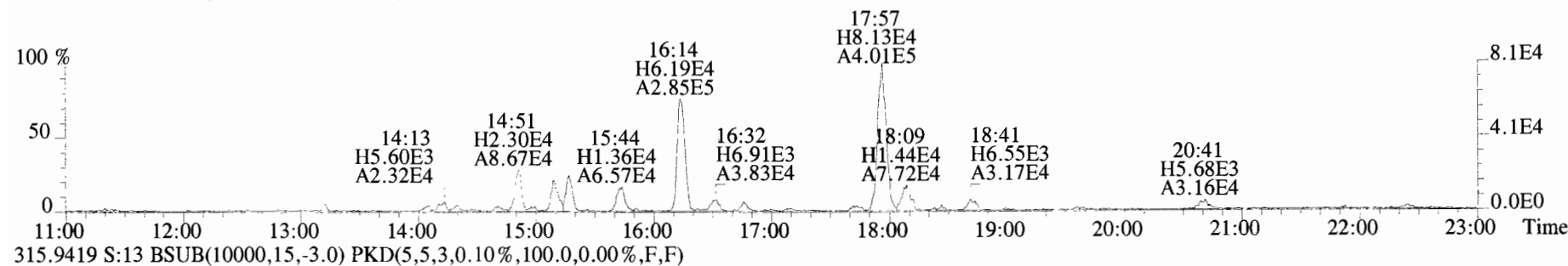
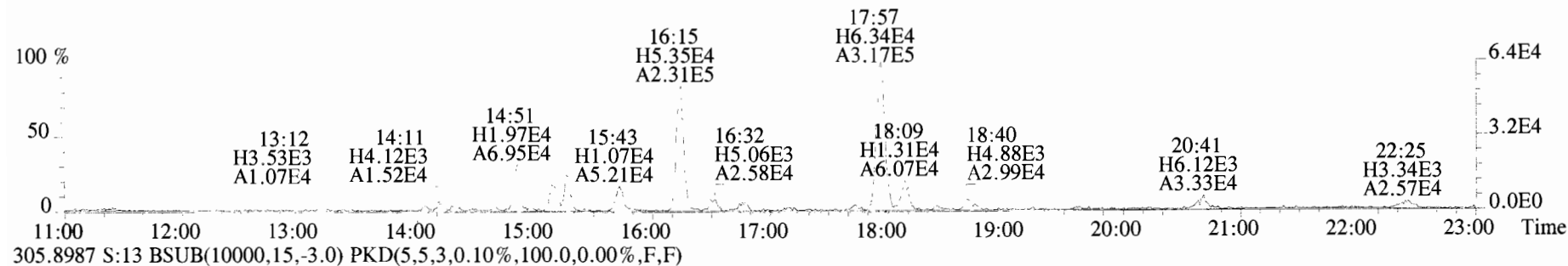
Integrations
by
Analyst: DB

Date: 10/23/19

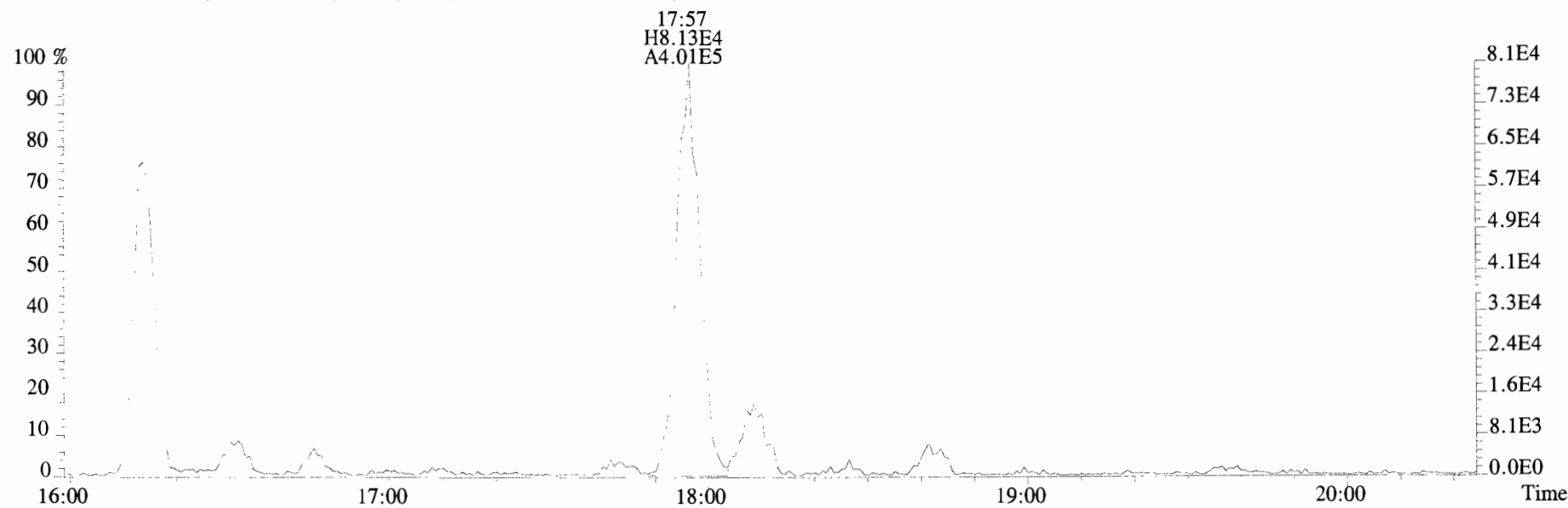
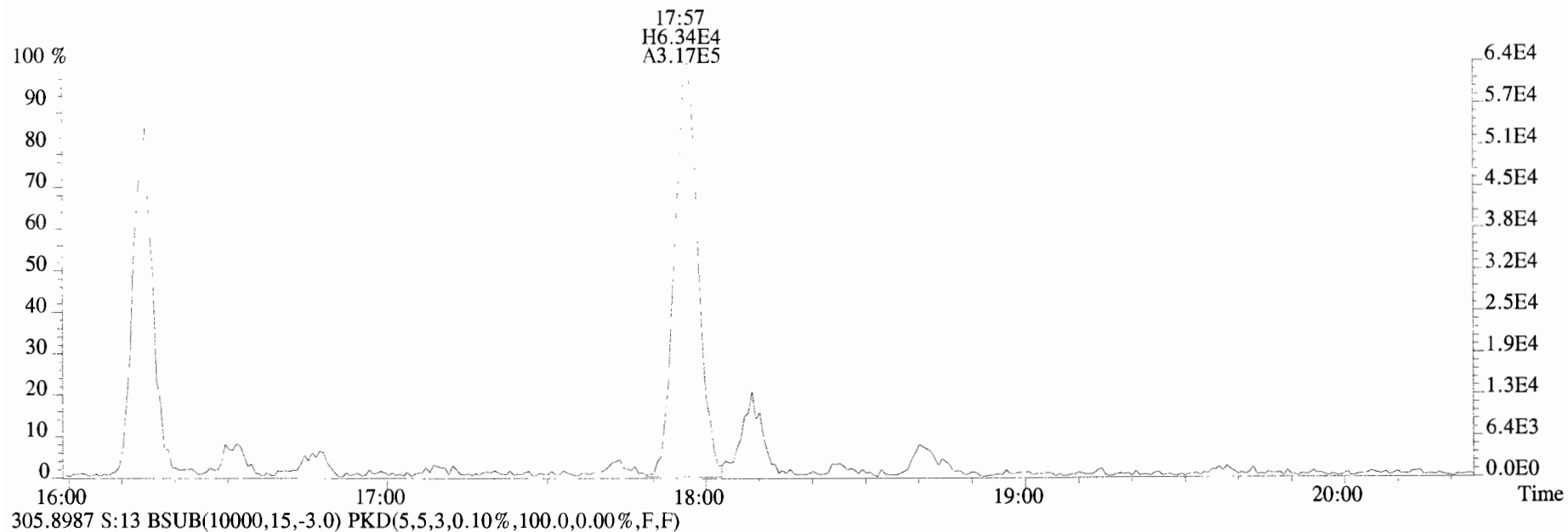
Reviewed
by
Analyst: HC

Date: 10-31-19 10/31/19

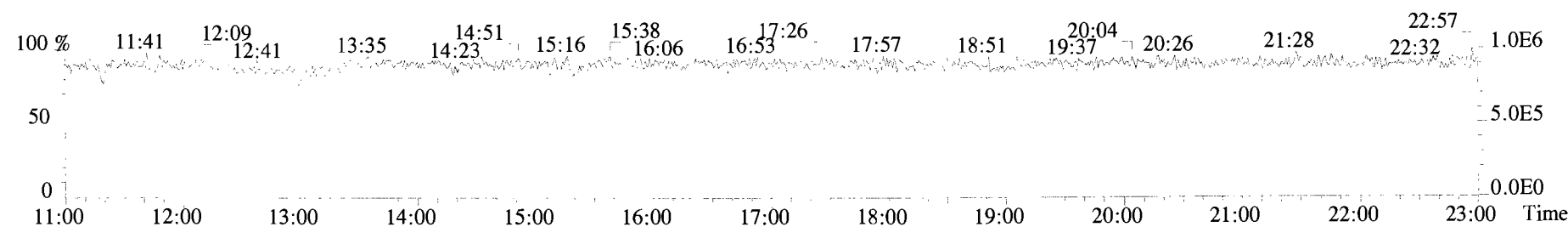
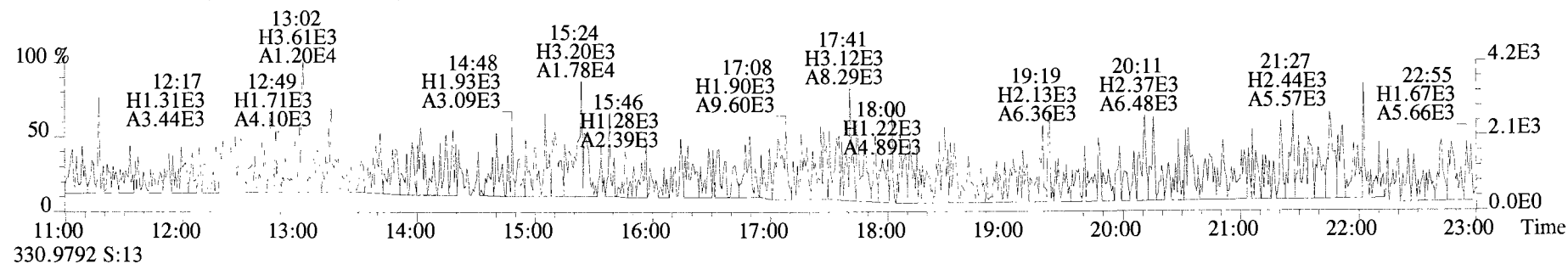
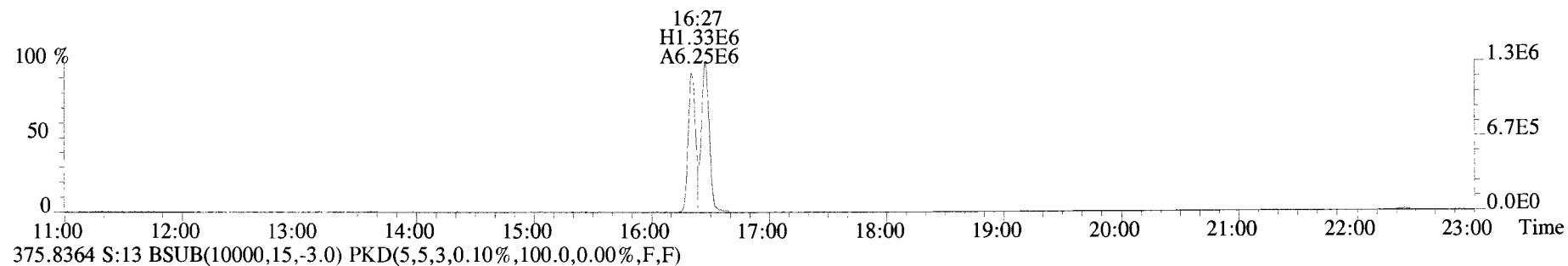
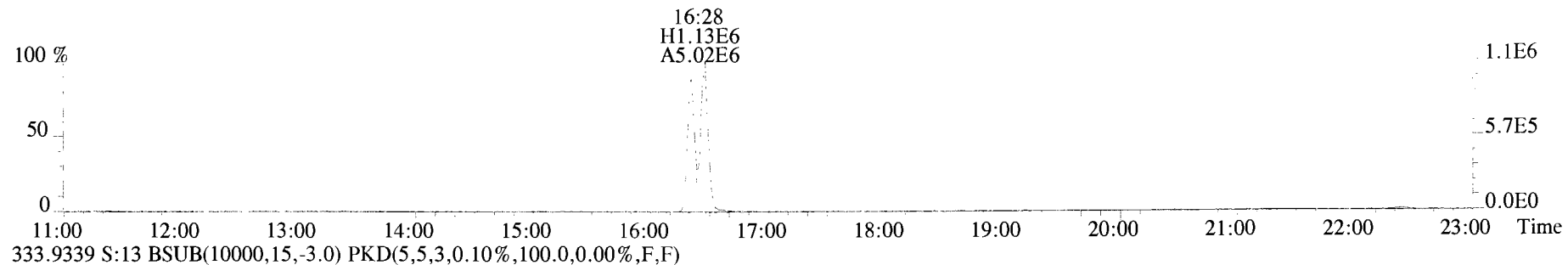
File:191022D1 #1-1683 Acq:22-OCT-2019 20:12:37 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-09RE1 PDI-105SG-00-0.99-190924 20.16 Exp:TCDF_DB225
 303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 20:12:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory VG7 Text:1903285-09RE1 PDI-105SG-00-0.99-190924 20.16 Exp:TCDF_DB225
303.9016 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1683 Acq:22-OCT-2019 20:12:37 GC EI+ Voltage SIR Autospec-UltimaE
Sample#13 File Text:Vista Analytical Laboratory_VG7 Text:1903285-09RE1 PDI-105SG-00-0.99-190924 20.16 Exp:TCDF_DB225
331.9368 S:13 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.48e+07	0.80 y	15:40	1.00	199.0	-
13C-2,3,7,8-TCDF	1.01e+07	0.81 y	17:54	1.02	132.8	66.7
2,3,7,8-TCDF	2.41e+05	0.84 y	17:55	0.95	5.013	

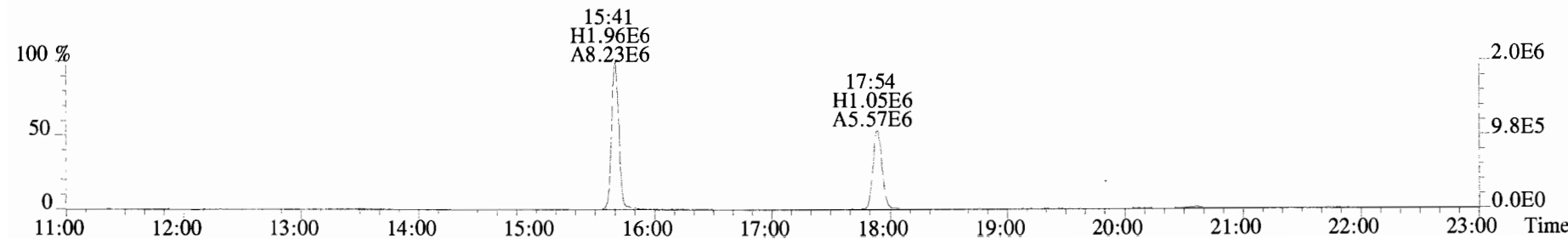
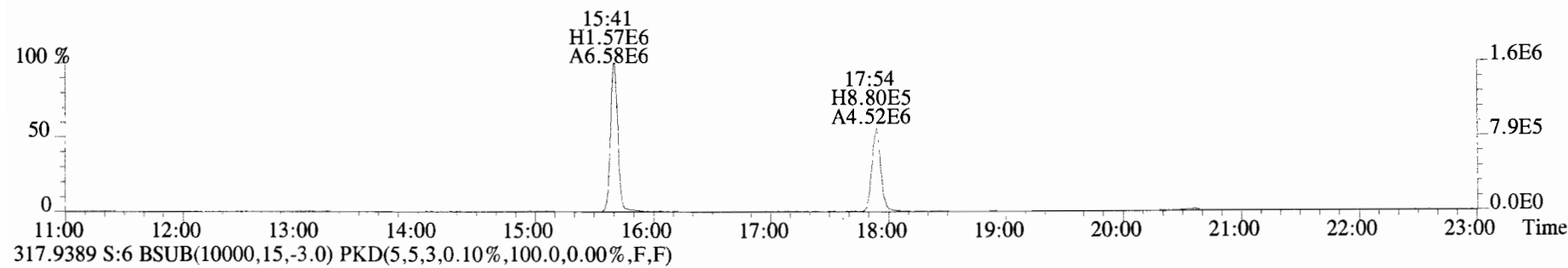
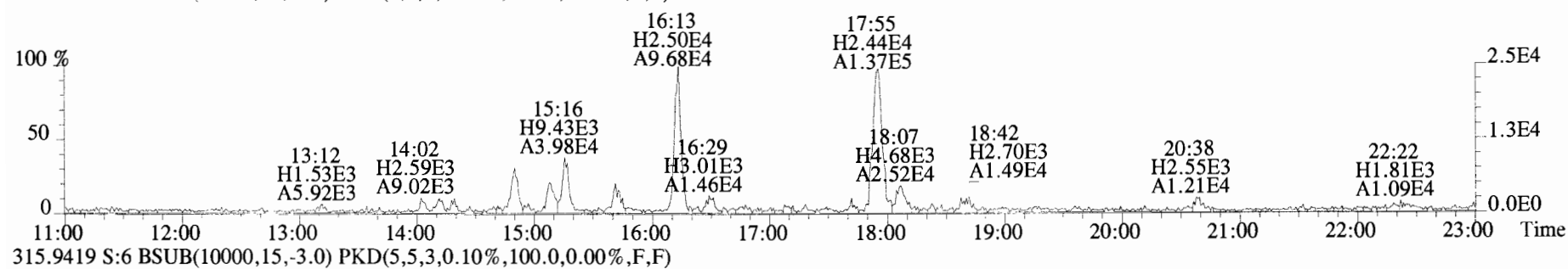
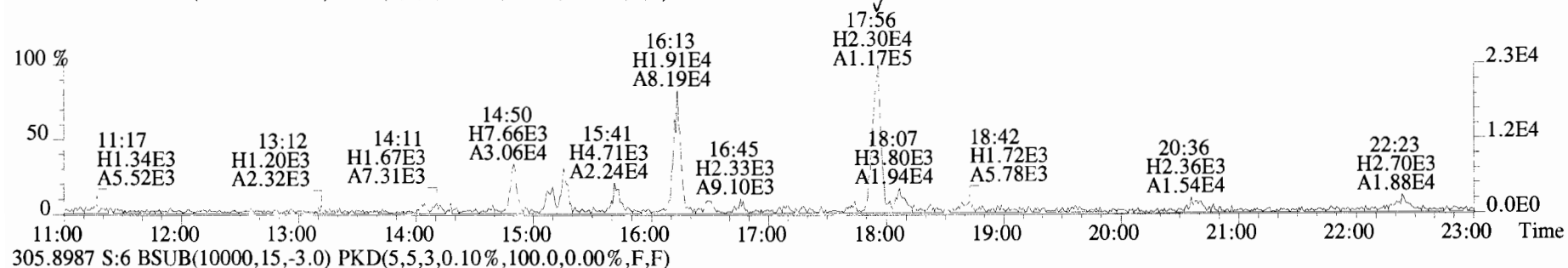
Integrations
by
Analyst: DB

Date: 10/22/19

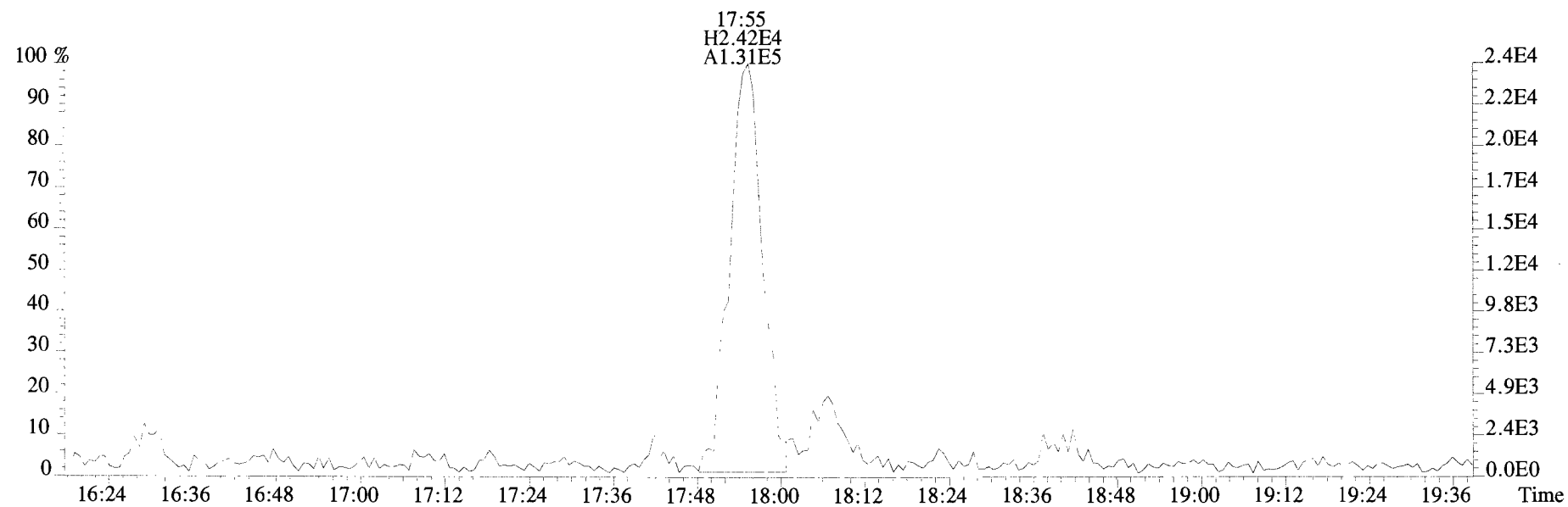
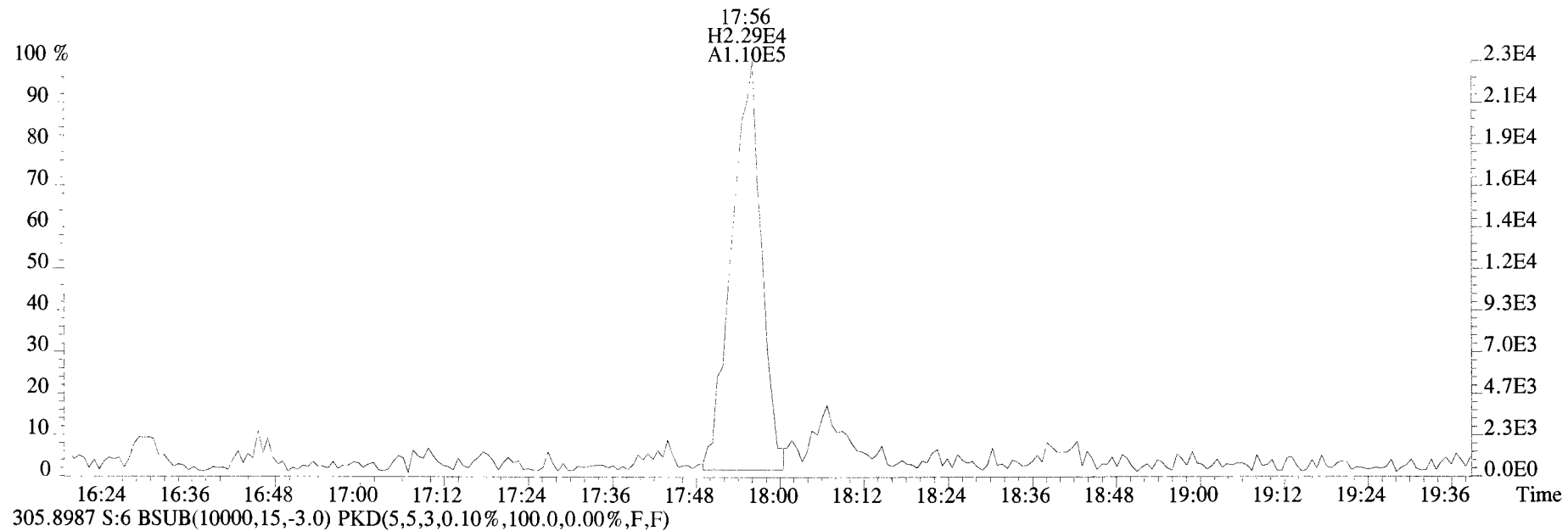
Reviewed
by
Analyst: HC CT

Date: 10.31.19 10/31/19

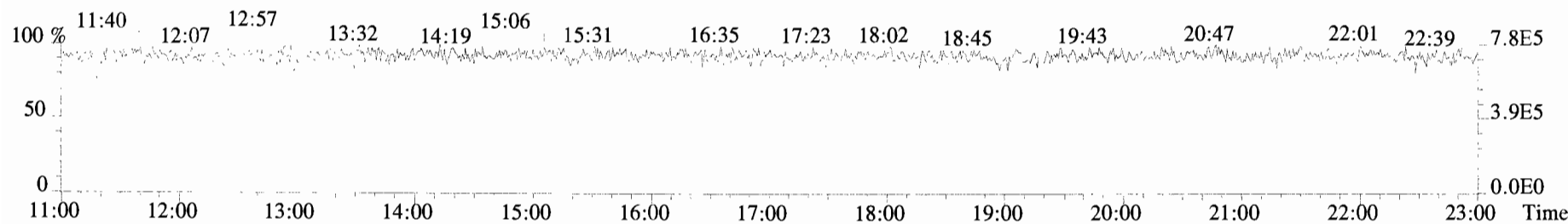
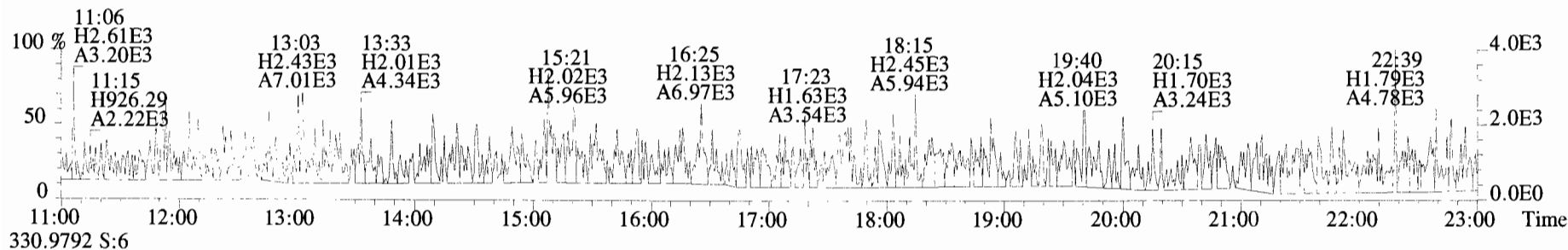
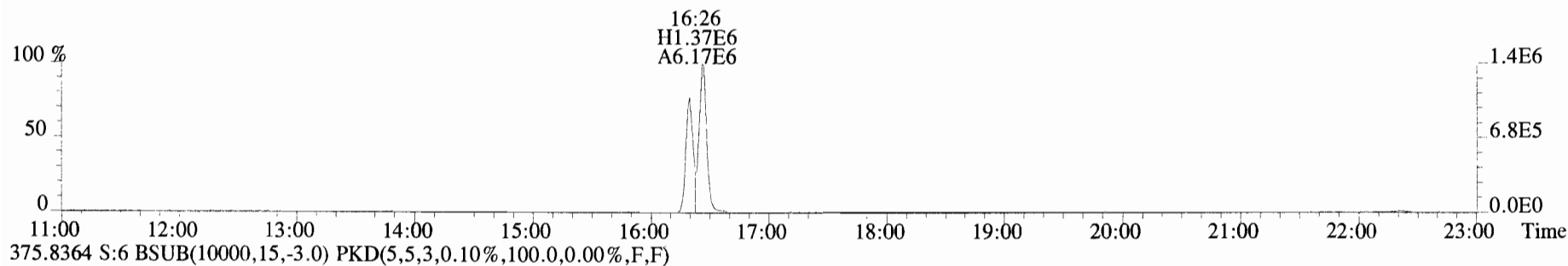
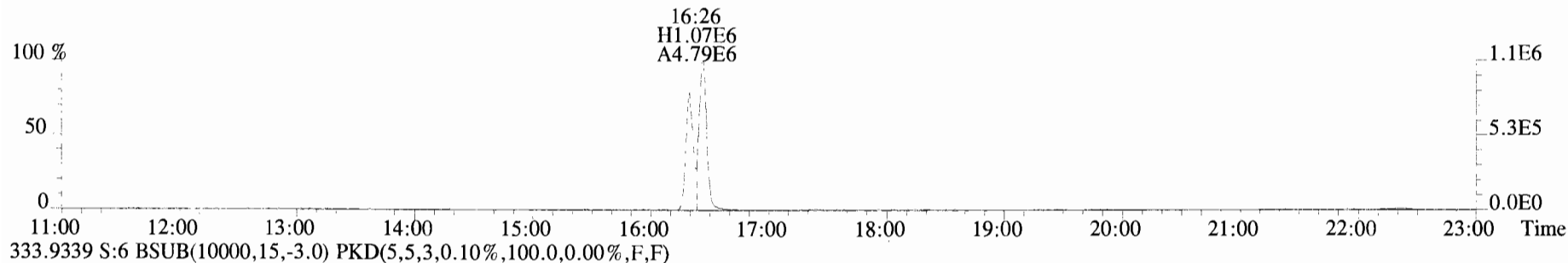
File:191022D1 #1-1682 Acq:22-OCT-2019 16:30:03 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:1903285-10RE1 PDI-106SG-00-01-190924 27.16 Exp:TCDF_DB225
 303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1682 Acq:22-OCT-2019 16:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:1903285-10RE1 PDI-106SG-00-01-190924 27.16 Exp:TCDF_DB225
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191022D1 #1-1682 Acq:22-OCT-2019 16:30:03 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:1903285-10RE1 PDI-106SG-00-01-190924 27.16 Exp:TCDF_DB225
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



SAMPLE DATA – EPA METHOD 1668C

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

Last Altered: Friday, October 11, 2019 09:28:07 Pacific Daylight Time

Printed: Friday, October 11, 2019 09:29:52 Pacific Daylight Time

HC 10/11/19 CT 10/23/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.02	10.000	15.50		1.001		YES			0.144	
2	2 PCB-2			NO	1.01	10.000	17.91		0.988		YES			0.146	
3	3 PCB-3			NO	1.01	10.000	18.14		1.001		YES			0.147	
4	4 PCB-4/10			NO	1.28	10.000	19.57		1.004		YES			0.807	
5	5 PCB-7/9			NO	0.976	10.000	21.37		1.003		YES			0.663	
6	6 PCB-6			NO	1.02	10.000	22.02		1.033		YES			0.637	
7	7 PCB-5/8			NO	1.01	10.000	22.43		1.052		YES			0.640	
8	8 PCB-14			NO	1.03	10.000	23.58		0.952		YES			0.674	
9	9 PCB-11			NO	1.10	10.000	24.79		1.001		YES			0.635	
10	10 PCB-12/13			NO	1.04	10.000	25.22		1.018		YES			0.671	
11	11 PCB-15			NO	1.03	10.000	25.52		1.030		YES			0.677	
12	12 PCB-19			NO	0.934	10.000	23.75		1.001		YES			0.284	
13	13 PCB-30			NO	1.48	10.000	24.64		1.039		YES			0.179	
14	14 PCB-18			NO	0.693	10.000	25.44		0.952		YES			0.280	
15	15 PCB-17			NO	0.667	10.000	25.60		0.958		YES			0.291	
16	16 PCB-24/27			NO	0.915	10.000	26.21		0.981		YES			0.212	
17	17 PCB-16/32			NO	0.792	10.000	26.74		1.001		YES			0.245	
18	18 PCB-34			NO	0.987	10.000	27.55		0.959		YES			0.233	
19	19 PCB-23			NO	0.974	10.000	27.64		0.962		YES			0.237	
20	20 PCB-29			NO	0.953	10.000	27.91		0.972		YES			0.242	
21	21 PCB-26			NO	1.00	10.000	28.12		0.979		YES			0.230	
22	22 PCB-25			NO	0.978	10.000	28.29		0.985		YES			0.236	
23	23 PCB-31			NO	1.12	10.000	28.66		0.998		YES			0.205	
24	24 PCB-28			NO	1.11	10.000	28.75		1.001		YES			0.208	
25	25 PCB-20/21/33			NO	1.00	10.000	29.37		1.022		YES			0.230	
26	26 PCB-22			NO	1.03	10.000	29.84		1.039		YES			0.223	
27	27 PCB-36			NO	1.18	10.000	30.49		0.932		YES			0.221	
28	28 PCB-39			NO	1.08	10.000	30.96		0.946		YES			0.240	
29	29 PCB-38			NO	1.13	10.000	31.77		0.971		YES			0.230	
30	30 PCB-35			NO	1.13	10.000	32.31		0.987		YES			0.230	
31	31 PCB-37			NO	1.11	10.000	32.76		1.001		YES			0.235	
32	32 PCB-54			NO	0.996	10.000	27.58		1.001		YES			0.187	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

Last Altered: Friday, October 11, 2019 09:28:07 Pacific Daylight Time

Printed: Friday, October 11, 2019 09:29:52 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.781	10.000	28.77		1.044		YES			0.239	
34	34 PCB-53			NO	0.955	10.000	29.46		0.943		YES			0.229	
35	35 PCB-51			NO	1.02	10.000	29.80		0.955		YES			0.214	
36	36 PCB-45			NO	0.808	10.000	30.26		0.969		YES			0.271	
37	37 PCB-46			NO	0.754	10.000	30.75		0.985		YES			0.290	
38	38 PCB-52/69			NO	1.09	10.000	31.26		1.001		YES			0.200	
39	39 PCB-73			NO	1.29	10.000	31.38		1.005		YES			0.170	
40	40 PCB-43/49			NO	0.940	10.000	31.55		1.010		YES			0.233	
41	41 PCB-47	3.61e2	0.55	YES	0.869	10.000	31.76	31.78	1.001	1.001	NO	0.8273		0.103	0.7204
42	42 PCB-48/75			NO	1.02	10.000	31.87		1.004		YES			0.204	
43	43 PCB-65			NO	1.11	10.000	32.14		1.013		YES			0.188	
44	44 PCB-62			NO	1.07	10.000	32.25		1.016		YES			0.196	
45	45 PCB-44			NO	0.761	10.000	32.59		1.027		YES			0.274	
46	46 PCB-42/59			NO	0.960	10.000	32.80		1.033		YES			0.217	
47	47 PCB-41/64/71/72			NO	1.08	10.000	33.42		1.053		YES			0.193	
48	48 PCB-68			NO	1.11	10.000	33.68		1.061		YES			0.188	
49	49 PCB-40			NO	0.577	10.000	33.91		1.068		YES			0.362	
50	50 PCB-57			NO	1.05	10.000	34.27		0.969		YES			0.172	
51	51 PCB-67			NO	0.993	10.000	34.60		0.978		YES			0.182	
52	52 PCB-58			NO	1.11	10.000	34.73		0.982		YES			0.162	
53	53 PCB-63			NO	0.962	10.000	34.88		0.986		YES			0.188	
54	54 PCB-74			NO	1.07	10.000	35.17		0.994		YES			0.169	
55	55 PCB-61/70			NO	0.986	10.000	35.39		1.000		YES			0.183	
56	56 PCB-76/66			NO	1.07	10.000	35.55		1.005		YES			0.169	
57	57 PCB-80			NO	1.08	10.000	35.82		1.001		YES			0.167	
58	58 PCB-55			NO	1.07	10.000	36.14		1.010		YES			0.169	
59	59 PCB-56/60			NO	0.934	10.000	36.64		1.024		YES			0.194	
60	60 PCB-79			NO	1.04	10.000	37.76		1.055		YES			0.173	
61	61 PCB-78			NO	1.03	10.000	38.49		0.987		YES			0.193	
62	62 PCB-81			NO	0.933	10.000	39.02		1.000		YES			0.214	
63	63 PCB-77			NO	1.03	10.000	39.63		1.000		YES			0.196	
64	64 PCB-104			NO	0.995	10.000	32.43		1.001		YES			0.269	
65	65 PCB-96			NO	0.996	10.000	33.72		1.041		YES			0.268	
66	66 PCB-103			NO	0.774	10.000	34.29		1.058		YES			0.345	
67	67 PCB-100			NO	0.778	10.000	34.66		1.069		YES			0.344	
68	68 PCB-94			NO	0.773	10.000	35.15		0.985		YES			0.438	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

Last Altered: Friday, October 11, 2019 09:28:07 Pacific Daylight Time

Printed: Friday, October 11, 2019 09:29:52 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.01	10.000	35.62		0.999		YES			0.334	
70	70 PCB-93			NO	0.841	10.000	35.75		1.002		YES			0.403	
71	71 PCB-88/91			NO	0.890	10.000	36.10		1.012		YES			0.381	
72	72 PCB-121			NO	1.39	10.000	36.19		1.015		YES			0.244	
73	73 PCB-84/92			NO	0.879	10.000	37.06		0.990		YES			0.404	
74	74 PCB-89			NO	0.959	10.000	37.26		0.996		YES			0.370	
75	75 PCB-90/101			NO	0.944	10.000	37.44		1.000		YES			0.376	
76	76 PCB-113			NO	1.23	10.000	37.68		1.007		YES			0.288	
77	77 PCB-99			NO	1.12	10.000	37.78		1.010		YES			0.317	
78	78 PCB-119			NO	1.47	10.000	38.25		0.987		YES			0.272	
79	79 PCB-108/112			NO	1.25	10.000	38.41		0.991		YES			0.320	
80	80 PCB-83			NO	1.55	10.000	38.58		0.996		YES			0.259	
81	81 PCB-97			NO	1.07	10.000	38.80		1.001		YES			0.372	
82	82 PCB-86			NO	0.996	10.000	38.94		1.005		YES			0.402	
83	83 PCB-87/117/125			NO	1.33	10.000	39.05		1.008		YES			0.300	
84	84 PCB-111/115			NO	1.60	10.000	39.22		1.012		YES			0.250	
85	85 PCB-85/116			NO	1.22	10.000	39.34		1.015		YES			0.329	
86	86 PCB-120			NO	1.68	10.000	39.61		1.022		YES			0.238	
87	87 PCB-110			NO	1.49	10.000	39.75		1.026		YES			0.269	
88	88 PCB-82			NO	0.674	10.000	40.37		0.975		YES			0.484	
89	89 PCB-124			NO	1.16	10.000	41.12		0.993		YES			0.280	
90	90 PCB-107/109			NO	1.17	10.000	41.25		0.996		YES			0.280	
91	91 PCB-123			NO	1.04	10.000	41.42		1.000		YES			0.313	
92	92 PCB-106/118			NO	1.07	10.000	41.64		1.001		YES			0.290	
93	93 PCB-114			NO	1.16	10.000	42.28		1.000		YES			0.279	
94	94 PCB-122			NO	0.973	10.000	42.41		1.003		YES			0.334	
95	95 PCB-105			NO	1.10	10.000	43.17		1.000		YES			0.280	
96	96 PCB-127			NO	1.11	10.000	43.53		1.000		YES			0.254	
97	97 PCB-126			NO	1.21	10.000	45.48		1.000		YES			0.276	
98	98 PCB-155			NO	0.874	10.000	36.95		1.000		YES			0.248	
99	99 PCB-150			NO	0.881	10.000	38.25		1.036		YES			0.246	
100	1... PCB-152			NO	1.00	10.000	38.74		1.049		YES			0.215	
101	1... PCB-145			NO	1.00	10.000	39.18		1.061		YES			0.216	
102	1... PCB-136			NO	0.843	10.000	39.54		1.071		YES			0.257	
103	1... PCB-148			NO	0.693	10.000	39.65		1.073		YES			0.312	
104	1... PCB-154			NO	0.724	10.000	40.14		1.087		YES			0.299	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

Last Altered: Friday, October 11, 2019 09:28:07 Pacific Daylight Time

Printed: Friday, October 11, 2019 09:29:52 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.632	10.000	40.81		1.105		YES			0.342	
106	1... PCB-135			NO	0.716	10.000	41.03		1.111		YES			0.302	
107	1... PCB-144			NO	0.667	10.000	41.14		1.114		YES			0.325	
108	1... PCB-147			NO	0.661	10.000	41.26		1.117		YES			0.327	
109	1... PCB-139/149			NO	0.738	10.000	41.55		1.125		YES			0.293	
110	1... PCB-140			NO	0.627	10.000	41.74		1.130		YES			0.345	
111	1... PCB-134/143			NO	0.733	10.000	42.24		0.975		YES			0.296	
112	1... PCB-131/133			NO	0.790	10.000	42.52		0.982		YES			0.274	
113	1... PCB-142			NO	0.708	10.000	42.67		0.985		YES			0.306	
114	1... PCB-146/165			NO	0.959	10.000	42.92		0.991		YES			0.226	
115	1... PCB-132/161			NO	0.974	10.000	43.16		0.996		YES			0.223	
116	1... PCB-153			NO	1.01	10.000	43.34		1.000		YES			0.214	
117	1... PCB-168			NO	1.02	10.000	43.57		1.006		YES			0.213	
118	1... PCB-141			NO	0.967	10.000	44.12		1.000		YES			0.282	
119	1... PCB-137			NO	0.987	10.000	44.50		1.009		YES			0.276	
120	1... PCB-130			NO	0.840	10.000	44.61		1.012		YES			0.325	
121	1... PCB-138/163/164			NO	1.23	10.000	44.99		1.001		YES			0.209	
122	1... PCB-158/160			NO	1.18	10.000	45.24		1.006		YES			0.218	
123	1... PCB-129			NO	0.819	10.000	45.48		1.012		YES			0.314	
124	1... PCB-166			NO	1.07	10.000	45.96		0.993		YES			0.213	
125	1... PCB-159			NO	1.12	10.000	46.30		1.000		YES			0.204	
126	1... PCB-128/162			NO	0.851	10.000	46.58		1.007		YES			0.268	
127	1... PCB-167			NO	1.04	10.000	47.02		1.000		YES			0.216	
128	1... PCB-156			NO	1.06	10.000	48.34		1.000		YES			0.223	
129	1... PCB-157			NO	0.978	10.000	48.63		1.001		YES			0.238	
130	1... PCB-169			NO	1.11	10.000	50.88		1.000		YES			0.227	
131	1... PCB-188			NO	1.19	10.000	42.98		1.001		YES			0.159	
132	1... PCB-184			NO	1.17	10.000	43.42		1.011		YES			0.162	
133	1... PCB-179			NO	1.18	10.000	44.23		1.030		YES			0.161	
134	1... PCB-176			NO	1.16	10.000	44.70		1.041		YES			0.163	
135	1... PCB-186			NO	1.22	10.000	45.31		1.055		YES			0.156	
136	1... PCB-178			NO	0.830	10.000	45.82		1.067		YES			0.228	
137	1... PCB-175			NO	0.849	10.000	46.18		1.075		YES			0.223	
138	1... PCB-182/187			NO	0.960	10.000	46.38		1.080		YES			0.197	
139	1... PCB-183			NO	0.957	10.000	46.71		1.088		YES			0.198	
140	1... PCB-185			NO	1.32	10.000	47.41		0.955		YES			0.241	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.22	10.000	47.78		0.962		YES			0.261	
142	1... PCB-181			NO	1.41	10.000	47.88		0.964		YES			0.225	
143	1... PCB-177			NO	1.24	10.000	48.06		0.968		YES			0.256	
144	1... PCB-171			NO	1.24	10.000	48.35		0.974		YES			0.256	
145	1... PCB-173			NO	1.14	10.000	48.79		0.983		YES			0.278	
146	1... PCB-172			NO	1.31	10.000	49.27		0.992		YES			0.243	
147	1... PCB-192			NO	1.70	10.000	49.46		0.996		YES			0.187	
148	1... PCB-180			NO	1.32	10.000	49.67		1.000		YES			0.241	
149	1... PCB-193			NO	1.54	10.000	49.90		1.005		YES			0.206	
150	1... PCB-191			NO	1.57	10.000	50.14		1.010		YES			0.202	
151	1... PCB-170			NO	1.36	10.000	51.34		1.000		YES			0.274	
152	1... PCB-190			NO	1.84	10.000	51.52		1.004		YES			0.202	
153	1... PCB-189			NO	1.33	10.000	53.08		1.000		YES			0.186	
154	1... PCB-202			NO	1.02	10.000	48.57		1.001		YES			0.113	
155	1... PCB-201			NO	0.915	10.000	49.06		1.011		YES			0.127	
156	1... PCB-204			NO	0.979	10.000	49.20		1.014		YES			0.119	
157	1... PCB-197			NO	0.979	10.000	49.52		1.020		YES			0.119	
158	1... PCB-200			NO	0.954	10.000	50.47		1.040		YES			0.122	
159	1... PCB-198			NO	0.748	10.000	52.02		1.072		YES			0.155	
160	1... PCB-199			NO	0.706	10.000	52.14		1.074		YES			0.164	
161	1... PCB-196/203			NO	0.785	10.000	52.45		1.081		YES			0.148	
162	1... PCB-195			NO	1.03	10.000	53.79		0.984		YES			0.171	
163	1... PCB-194			NO	1.16	10.000	54.71		1.000		YES			0.153	
164	1... PCB-205			NO	1.40	10.000	54.97		1.005		YES			0.126	
165	1... PCB-208			NO	0.934	10.000	53.93		1.000		YES			0.117	
166	1... PCB-207			NO	0.912	10.000	54.25		1.006		YES			0.119	
167	1... PCB-206			NO	0.987	10.000	56.23		1.000		YES			0.146	
168	1... PCB-209			NO	0.943	10.000	57.47		1.000		YES			0.0901	
169	1... 13C-PCB-1	6.93e5	3.37	NO	1.08	10.000	15.50	15.49	0.608	0.608	NO	539.4	53.9	0.822	
170	1... 13C-PCB-3	7.21e5	3.26	NO	1.09	10.000	18.14	18.13	0.712	0.712	NO	554.3	55.4	0.812	
171	1... 13C-PCB-4	5.20e5	1.61	NO	0.640	10.000	19.50	19.49	0.765	0.765	NO	682.2	68.2	0.433	
172	1... 13C-PCB-9	8.51e5	1.61	NO	0.995	10.000	21.32	21.31	0.837	0.836	NO	717.9	71.8	0.279	
173	1... 13C-PCB-11	8.32e5	1.58	NO	0.971	10.000	24.77	24.77	0.972	0.972	NO	718.8	71.9	0.285	
174	1... 13C-PCB-19	4.44e5	0.99	NO	0.637	10.000	23.73	23.72	0.931	0.931	NO	585.1	58.5	2.99	
175	1... 13C-PCB-32	6.29e5	1.01	NO	0.910	10.000	26.71	26.72	1.048	1.049	NO	580.4	58.0	2.10	
176	1... 13C-PCB-28	7.87e5	0.99	NO	1.07	10.000	28.72	28.73	1.004	1.004	NO	749.6	75.0	2.90	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	7.16e5	0.99	NO	0.959	10.000	32.70	32.73	1.143	1.144	NO	760.0	76.0	3.23	
178	1... 13C-PCB-54	5.48e5	0.76	NO	1.10	10.000	27.58	27.56	0.753	0.752	NO	723.3	72.3	1.02	
179	1... 13C-PCB-52	4.46e5	0.77	NO	0.844	10.000	31.23	31.22	0.853	0.852	NO	765.8	76.6	1.33	
180	1... 13C-PCB-47	4.68e5	0.77	NO	0.893	10.000	31.75	31.74	0.867	0.866	NO	759.9	76.0	1.26	
181	1... 13C-PCB-70	5.50e5	0.79	NO	1.01	10.000	35.37	35.37	0.965	0.965	NO	791.8	79.2	1.12	
182	1... 13C-PCB-80	5.67e5	0.77	NO	1.05	10.000	35.80	35.80	0.977	0.977	NO	785.9	78.6	1.07	
183	1... 13C-PCB-81	5.20e5	0.75	NO	0.985	10.000	39.00	39.00	1.064	1.064	NO	765.7	76.6	1.14	
184	1... 13C-PCB-77	5.08e5	0.77	NO	0.958	10.000	39.61	39.61	1.081	1.081	NO	768.9	76.9	1.17	
185	1... 13C-PCB-104	4.39e5	1.61	NO	1.10	10.000	32.41	32.41	0.827	0.827	NO	819.8	82.0	0.498	
186	1... 13C-PCB-95	3.36e5	1.63	NO	0.852	10.000	35.66	35.67	0.910	0.910	NO	808.2	80.8	0.641	
187	1... 13C-PCB-101	3.25e5	1.65	NO	0.814	10.000	37.41	37.42	0.954	0.954	NO	818.2	81.8	0.671	
188	1... 13C-PCB-97	2.84e5	1.62	NO	0.709	10.000	38.76	38.76	0.989	0.989	NO	820.9	82.1	0.770	
189	1... 13C-PCB-123	3.65e5	1.60	NO	0.922	10.000	41.40	41.40	1.056	1.056	NO	811.9	81.2	0.592	
190	1... 13C-PCB-118	3.85e5	1.60	NO	0.975	10.000	41.58	41.60	1.061	1.061	NO	810.2	81.0	0.560	
191	1... 13C-PCB-114	4.65e5	1.56	NO	1.52	10.000	42.27	42.26	0.908	0.908	NO	917.9	91.8	0.815	
192	1... 13C-PCB-105	4.87e5	1.55	NO	1.58	10.000	43.16	43.15	0.927	0.927	NO	922.6	92.3	0.783	
193	1... 13C-PCB-127	5.12e5	1.53	NO	1.62	10.000	43.50	43.51	0.934	0.934	NO	945.7	94.6	0.764	
194	1... 13C-PCB-126	4.47e5	1.54	NO	1.45	10.000	45.47	45.46	0.976	0.976	NO	926.4	92.6	0.857	
195	1... 13C-PCB-155	3.13e5	1.28	NO	1.03	10.000	36.95	36.94	0.943	0.942	NO	625.9	62.6	0.193	
196	1... 13C-PCB-153	4.04e5	1.24	NO	1.42	10.000	43.33	43.32	0.931	0.930	NO	850.4	85.0	0.790	
197	1... 13C-PCB-141	3.23e5	1.29	NO	1.14	10.000	44.09	44.10	0.947	0.947	NO	848.2	84.8	0.984	
198	1... 13C-PCB-138	3.37e5	1.24	NO	1.18	10.000	44.97	44.95	0.966	0.965	NO	854.9	85.5	0.953	
199	1... 13C-PCB-159	3.90e5	1.25	NO	1.43	10.000	46.27	46.28	0.994	0.994	NO	816.5	81.6	0.785	
200	2... 13C-PCB-167	3.93e5	1.26	NO	1.42	10.000	46.99	47.00	1.009	1.009	NO	827.1	82.7	0.790	
201	2... 13C-PCB-156	3.82e5	1.30	NO	1.40	10.000	48.29	48.33	1.037	1.038	NO	819.8	82.0	0.805	
202	2... 13C-PCB-157	3.78e5	1.30	NO	1.41	10.000	48.59	48.59	1.044	1.044	NO	806.5	80.6	0.799	
203	2... 13C-PCB-169	3.66e5	1.27	NO	1.35	10.000	50.86	50.86	1.092	1.092	NO	814.3	81.4	0.835	
204	2... 13C-PCB-188	3.39e5	0.44	NO	1.46	10.000	42.98	42.94	0.927	0.926	NO	849.3	84.9	0.819	
205	2... 13C-PCB-180	2.07e5	0.46	NO	0.932	10.000	49.65	49.65	1.070	1.070	NO	811.3	81.1	1.29	
206	2... 13C-PCB-170	1.80e5	0.44	NO	0.796	10.000	51.31	51.32	1.106	1.106	NO	828.2	82.8	1.51	
207	2... 13C-PCB-189	2.39e5	0.44	NO	1.09	10.000	53.03	53.06	1.143	1.144	NO	800.9	80.1	1.10	
208	2... 13C-PCB-202	2.60e5	0.96	NO	1.45	10.000	48.52	48.53	1.042	1.042	NO	657.0	65.7	0.399	
209	2... 13C-PCB-194	2.79e5	0.91	NO	0.714	10.000	54.70	54.69	0.995	0.995	NO	843.1	84.3	0.715	
210	2... 13C-PCB-208	3.28e5	0.77	NO	0.896	10.000	53.95	53.91	0.982	0.981	NO	789.7	79.0	0.565	
211	2... 13C-PCB-206	2.40e5	0.77	NO	0.653	10.000	56.21	56.21	1.023	1.023	NO	793.2	79.3	0.775	
212	2... 13C-PCB-209	2.49e5	1.23	NO	0.806	10.000	57.46	57.47	1.045	1.046	NO	667.4	66.7	0.130	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.19e6	1.61	NO	1.00	10.000	25.49	25.48	1.000	0.000	NO	1000	100	0.277	
214	2... 13C-PCB-31	9.81e5	0.98	NO	1.00	10.000	28.64	28.62	1.000	0.000	NO	1000	100	3.10	
215	2... 13C-PCB-60	6.89e5	0.73	NO	1.00	10.000	36.66	36.64	1.000	0.000	NO	1000	100	1.12	
216	2... 13C-PCB-111	4.88e5	1.61	NO	1.00	10.000	39.22	39.21	1.000	0.000	NO	1000	100	0.546	
217	2... 13C-PCB-128	3.34e5	1.23	NO	1.00	10.000	46.58	46.56	1.000	0.000	NO	1000	100	1.12	
218	2... 13C-PCB-182	2.73e5	0.46	NO	1.00	10.000	46.41	46.39	0.000	0.000	NO	1000	100	1.20	
219	2... 13C-PCB-205	4.63e5	0.90	NO	1.00	10.000	54.98	54.97	1.000	0.000	NO	1000	100	0.510	
220	2... 13C-PCB-79	6.08e5	0.78	NO	1.03	10.000	37.74	37.74	1.030	1.030	NO	854.3	85.4	1.09	
221	2... 13C-PCB-178	2.27e5	0.45	NO	0.875	10.000	45.84	45.82	0.988	0.988	NO	778.2	77.8	1.07	
222	2... 13C-PCB-79	6.08e5	0.78	NO	1.05	10.000	37.73	37.74	0.967	0.968	NO	1118	112	1.46	
223	2... 13C-PCB-178	2.27e5	0.45	NO	0.975	10.000	45.86	45.82	0.924	0.923	NO	1127	113	1.60	
224	2... Total Mono-PCBs				1.01	10.000	0.00		0.000		NO			0.437	0.147
225	2... Total Di-PCBs				1.06	10.000	0.00		0.000		NO			5.40	0.867
226	2... 2nd Function Tri-PCBs				0.914	10.000	0.00		0.000		NO			1.49	0.291
227	2... 3rd Function Tri-PCBs				1.06	10.000	0.00		0.000		NO			3.20	
228	2... Total Tetra-PCBs				0.986	10.000	0.00		0.000		NO	0.0000		6.48	0.7204
229	2... 3rd Function Penta-PCBs				1.12	10.000	0.00		0.000		NO			9.44	>0.464
230	2... 4th Function Penta-PCBs				1.11	10.000	0.00		0.000		NO			1.42	
231	2... 3rd Function Hexa-PCBs				0.774	10.000	0.00		0.000		NO			3.73	>0.345
232	2... 4th Function Hexa-PCBs				0.972	10.000	0.00		0.000		NO			4.97	
233	2... Total Hepta-PCBs				1.26	10.000	0.00		0.000		NO			4.90	0.278
234	2... 4th Function Octa-PCBs				0.886	10.000	0.00		0.000		NO			1.07	>0.171
235	2... 5th Function Octa-PCBs				1.20	10.000	0.00		0.000		NO			0.449	
236	2... Total Nona-PCBs				0.945	10.000	0.00		0.000		NO			0.382	0.146
237	2... Deca-CB				0.943	10.000	0.00		0.000		NO			0.0901	
238	2... Total PCBs														

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

Total Mono-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Di-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

2nd Function Tri-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Tri-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Tetra-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												
PCB-47	31.76	31.78	1.639e3	2.046e3	1.274e2	2.333e2	0.55	YES	3.608e2	0.00000	0.72043	0.103

3rd Function Penta-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

4th Function Penta-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Hexa-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

4th Function Hexa-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Hepta-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

4th Function Octa-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

5th Function Octa-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Nona-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

Deca-CB

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Mono-Isotopes

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.50	15.49	9.389e6	2.838e6	5.342e5	1.583e5	3.37	NO	6.925e5	539.39	0.822
2	13C-PCB-3	18.14	18.13	9.255e6	2.807e6	5.513e5	1.692e5	3.26	NO	7.205e5	554.29	0.812

Total Di-Isotopes

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.50	19.49	5.352e6	3.372e6	3.208e5	1.994e5	1.61	NO	5.201e5	682.16	0.433
2	13C-PCB-9	21.32	21.31	8.503e6	5.282e6	5.250e5	3.264e5	1.61	NO	8.514e5	717.86	0.279
3	13C-PCB-11	24.77	24.77	7.852e6	5.036e6	5.093e5	3.228e5	1.58	NO	8.321e5	718.84	0.285
4	13C-PCB-15	25.49	25.48	1.122e7	7.125e6	7.350e5	4.566e5	1.61	NO	1.192e6	1000.0	0.277

2nd Function Tri-Isotopes

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.73	23.72	3.530e6	3.608e6	2.209e5	2.234e5	0.99	NO	4.443e5	585.07	2.99
2	13C-PCB-32	26.71	26.72	4.879e6	4.863e6	3.163e5	3.130e5	1.01	NO	6.293e5	580.43	2.10

3rd Function Tri-Isotopes

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.64	28.62	6.594e6	6.757e6	4.851e5	4.964e5	0.98	NO	9.815e5	1000.0	3.10
2	13C-PCB-28	28.72	28.73	5.073e6	5.176e6	3.910e5	3.955e5	0.99	NO	7.866e5	749.58	2.90
3	13C-PCB-37	32.70	32.73	4.494e6	4.520e6	3.555e5	3.602e5	0.99	NO	7.157e5	760.01	3.23

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

Last Altered: Friday, October 11, 2019 09:28:07 Pacific Daylight Time

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ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

Tetra-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.58	27.56	3.084e6	4.092e6	2.358e5	3.119e5	0.76	NO	5.477e5	723.32		1.02
2	13C-PCB-52	31.23	31.22	2.656e6	3.425e6	1.940e5	2.517e5	0.77	NO	4.457e5	765.77		1.33
3	13C-PCB-47	31.75	31.74	2.779e6	3.550e6	2.033e5	2.647e5	0.77	NO	4.680e5	759.89		1.26
4	13C-PCB-70	35.37	35.37	3.268e6	4.133e6	2.428e5	3.073e5	0.79	NO	5.501e5	791.85		1.12
5	13C-PCB-80	35.80	35.80	3.205e6	4.152e6	2.461e5	3.206e5	0.77	NO	5.667e5	785.87		1.07
6	13C-PCB-60	36.66	36.64	3.846e6	5.201e6	2.919e5	3.976e5	0.73	NO	6.895e5	1000.0		1.12
7	13C-PCB-79	37.74	37.74	3.380e6	4.378e6	2.655e5	3.423e5	0.78	NO	6.078e5	854.28		1.09
8	13C-PCB-81	39.00	39.00	2.874e6	3.814e6	2.234e5	2.966e5	0.75	NO	5.200e5	765.73		1.14
9	13C-PCB-77	39.61	39.61	2.876e6	3.718e6	2.211e5	2.869e5	0.77	NO	5.081e5	768.92		1.17

3rd Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.41	32.41	3.488e6	2.232e6	2.706e5	1.682e5	1.61	NO	4.388e5	819.78		0.498
2	13C-PCB-95	35.66	35.67	2.764e6	1.673e6	2.081e5	1.279e5	1.63	NO	3.360e5	808.21		0.641
3	13C-PCB-101	37.41	37.42	2.654e6	1.618e6	2.022e5	1.226e5	1.65	NO	3.248e5	818.22		0.671
4	13C-PCB-97	38.76	38.76	2.338e6	1.432e6	1.759e5	1.083e5	1.62	NO	2.841e5	820.93		0.770
5	13C-PCB-111	39.22	39.21	3.879e6	2.412e6	3.007e5	1.872e5	1.61	NO	4.879e5	1000.0		0.546
6	13C-PCB-123	41.40	41.40	2.853e6	1.746e6	2.246e5	1.404e5	1.60	NO	3.651e5	811.88		0.592
7	13C-PCB-118	41.58	41.60	2.997e6	1.891e6	2.369e5	1.485e5	1.60	NO	3.854e5	810.24		0.560

4th Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.27	42.26	3.501e6	2.270e6	2.832e5	1.820e5	1.56	NO	4.652e5	917.87		0.815
2	13C-PCB-105	43.16	43.15	3.675e6	2.375e6	2.960e5	1.913e5	1.55	NO	4.873e5	922.64		0.783
3	13C-PCB-127	43.50	43.51	4.010e6	2.612e6	3.097e5	2.019e5	1.53	NO	5.115e5	945.69		0.764
4	13C-PCB-126	45.47	45.46	3.384e6	2.146e6	2.707e5	1.760e5	1.54	NO	4.466e5	926.43		0.857

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-5.qld

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ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.33	43.32	2.841e6	2.285e6	2.234e5	1.805e5	1.24	NO	4.039e5	850.42		0.790
2	13C-PCB-141	44.09	44.10	2.298e6	1.802e6	1.821e5	1.413e5	1.29	NO	3.233e5	848.19		0.984
3	13C-PCB-138	44.97	44.95	2.400e6	1.904e6	1.863e5	1.502e5	1.24	NO	3.365e5	854.92		0.953
4	13C-PCB-159	46.27	46.28	2.711e6	2.131e6	2.167e5	1.737e5	1.25	NO	3.904e5	816.48		0.785
5	13C-PCB-128	46.58	46.56	2.434e6	1.953e6	1.841e5	1.495e5	1.23	NO	3.336e5	1000.0		1.12
6	13C-PCB-167	46.99	47.00	2.754e6	2.183e6	2.191e5	1.738e5	1.26	NO	3.929e5	827.13		0.790
7	13C-PCB-156	48.29	48.33	2.677e6	2.051e6	2.164e5	1.658e5	1.30	NO	3.822e5	819.82		0.805
8	13C-PCB-157	48.59	48.59	2.700e6	2.121e6	2.137e5	1.647e5	1.30	NO	3.784e5	806.49		0.799
9	13C-PCB-169	50.86	50.86	2.482e6	1.931e6	2.049e5	1.608e5	1.27	NO	3.657e5	814.34		0.835

5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.70	54.69	2.434e6	2.653e6	1.330e5	1.458e5	0.91	NO	2.788e5	843.05		0.715
2	13C-PCB-205	54.98	54.97	4.058e6	4.470e6	2.192e5	2.443e5	0.90	NO	4.634e5	1000.0		0.510

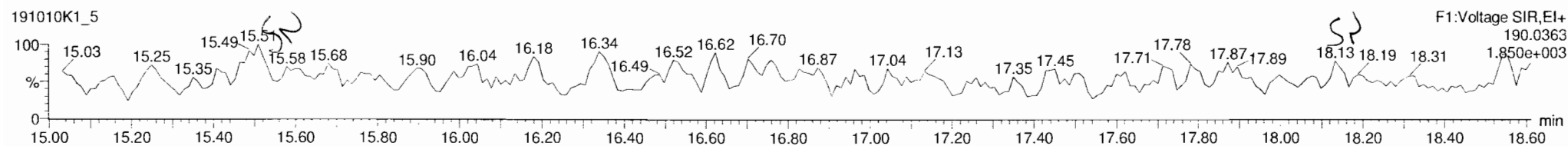
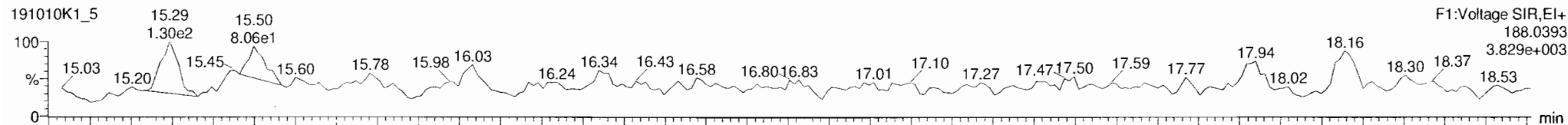
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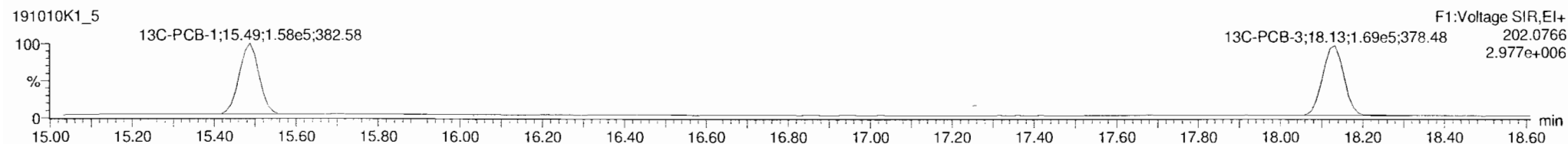
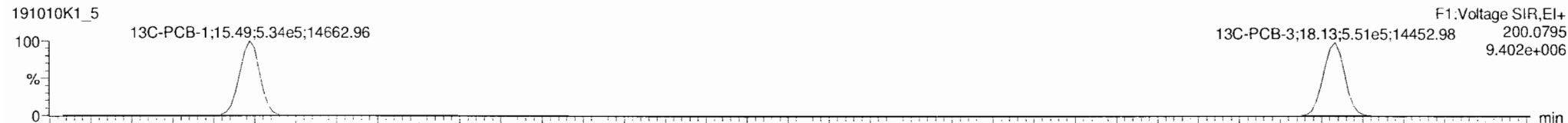
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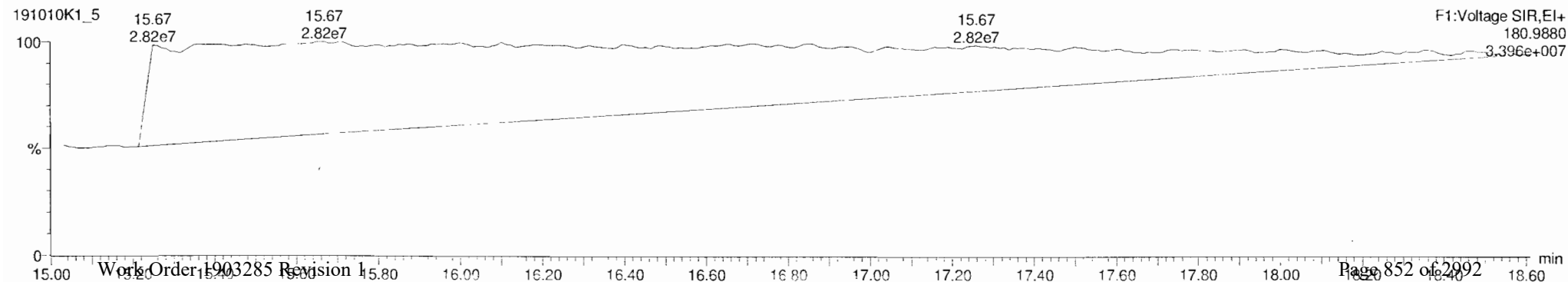
PCB-1



13C-PCB-1



PFK1



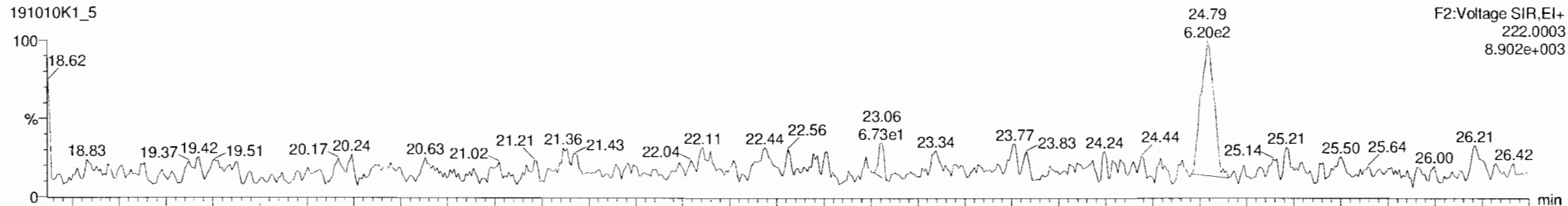
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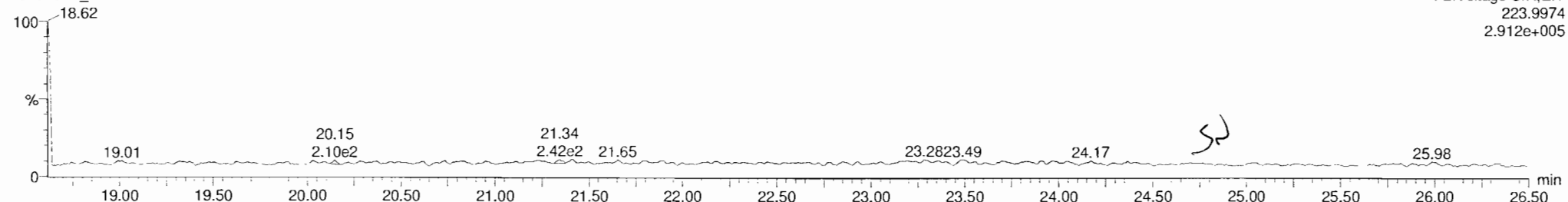
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PCB-4/10

191010K1_5

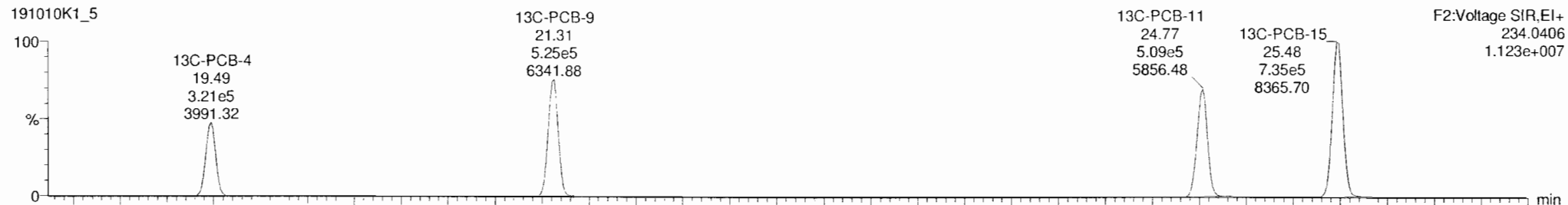


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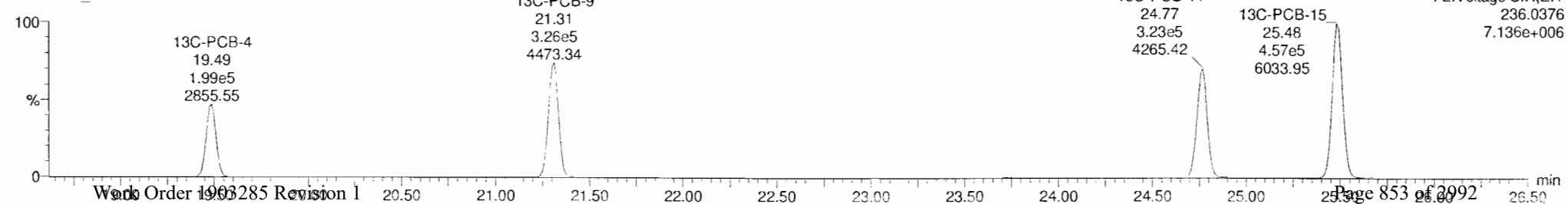


13C-PCB-4

191010K1_5



191010K1_5



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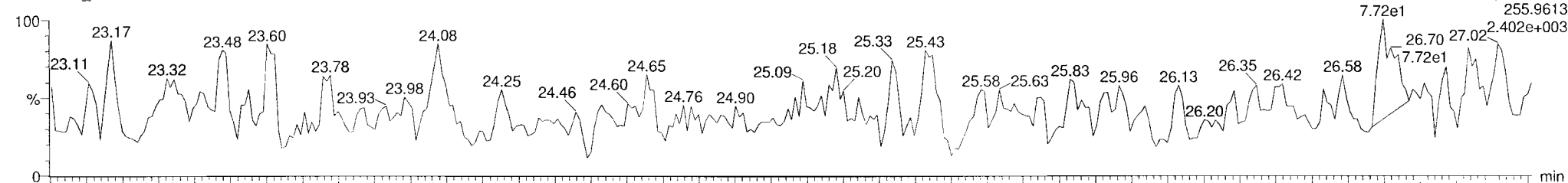
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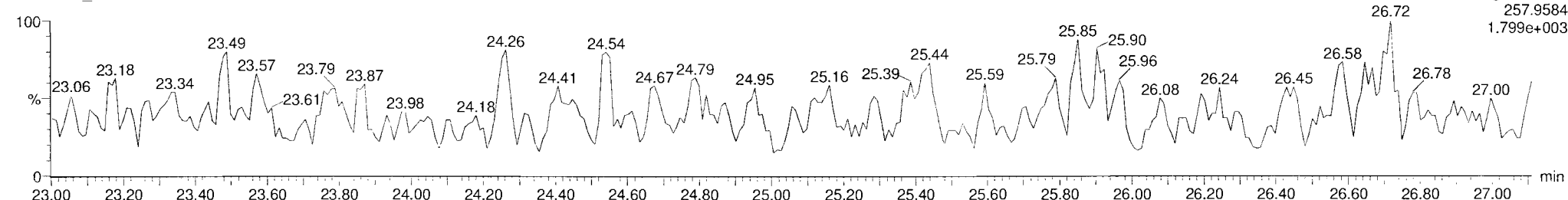
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PCB-19

191010K1_5

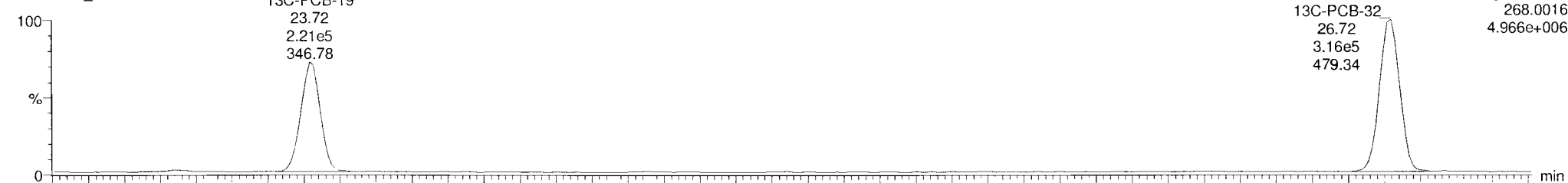


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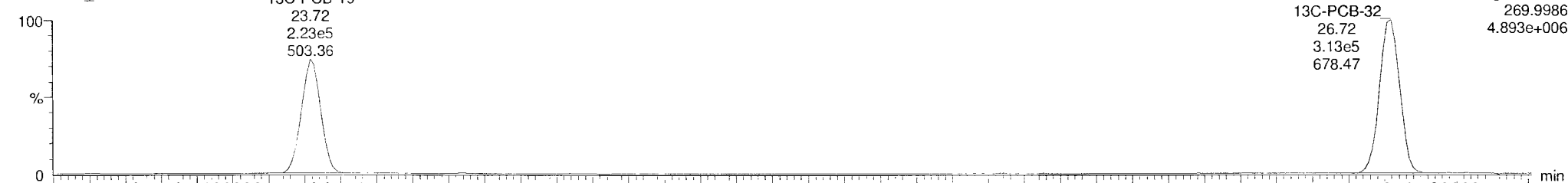


13C-PCB-19

191010K1_5



191010K1_5

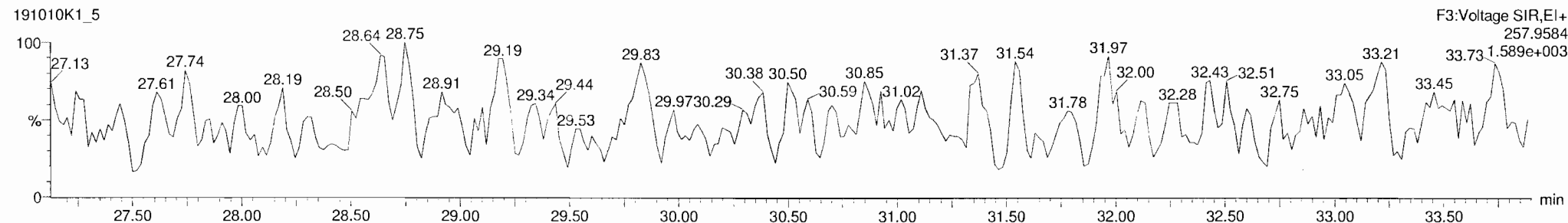
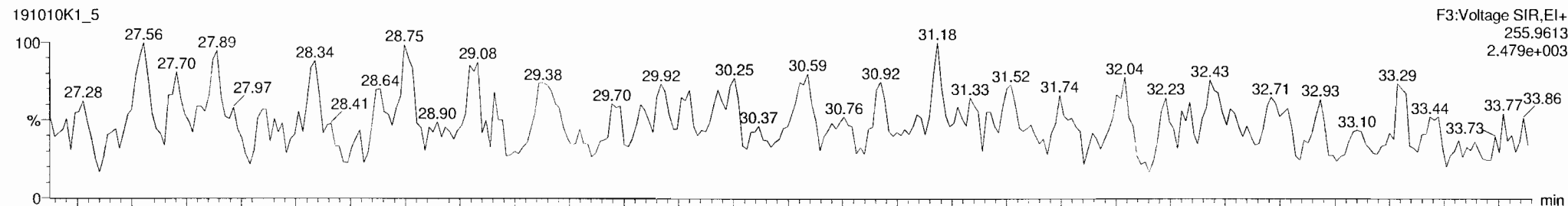


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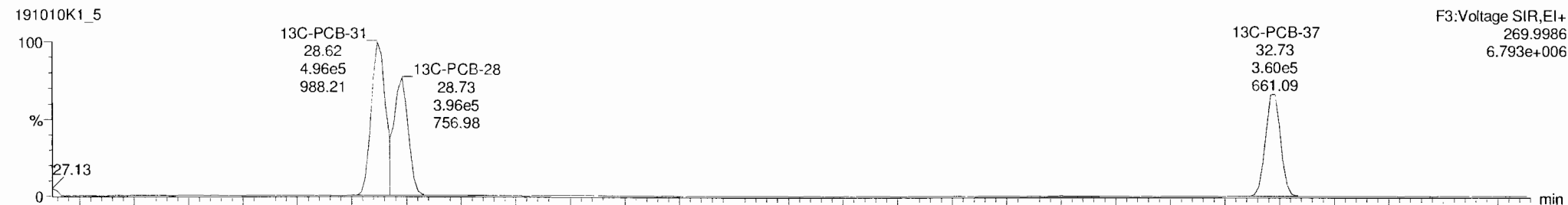
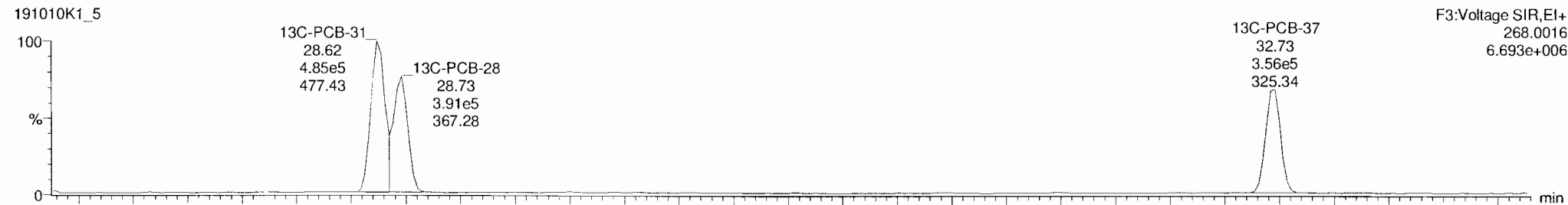
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PCB-34



13C-PCB-28



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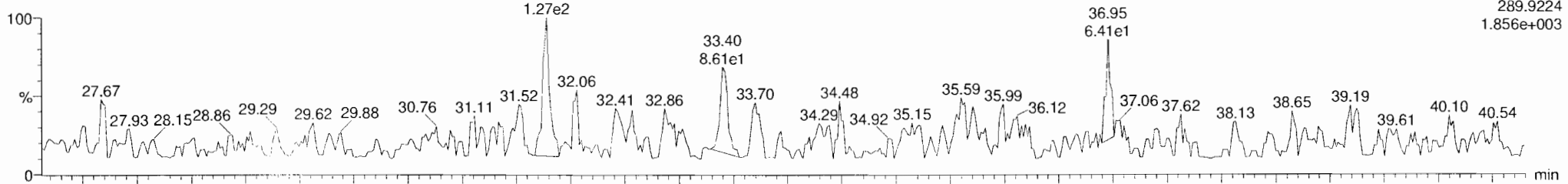
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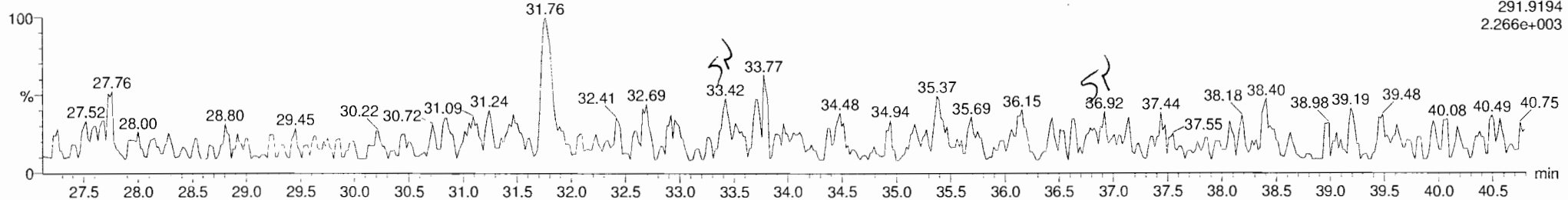
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PCB-54

191010K1_5

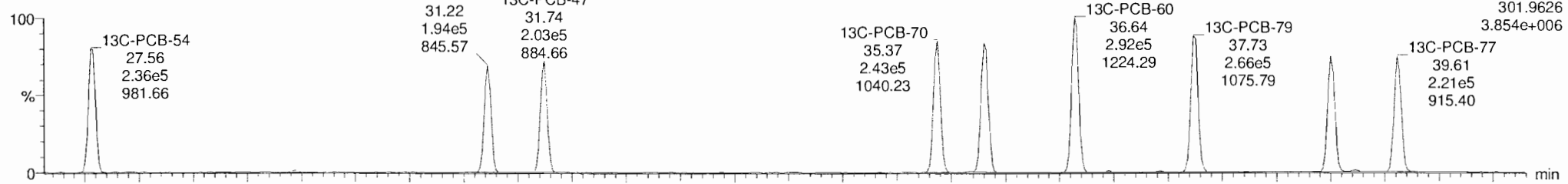


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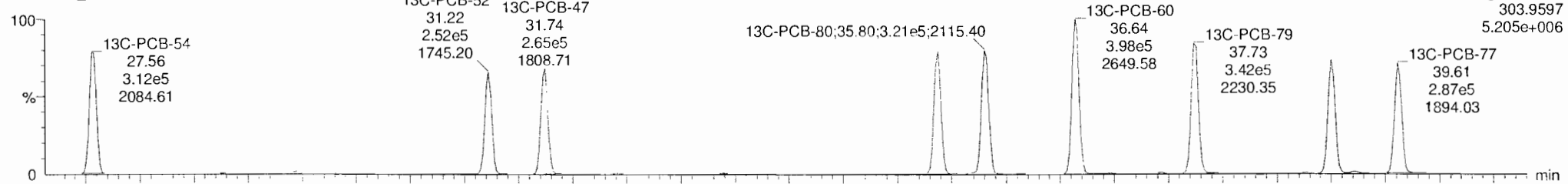


13C-PCB-54

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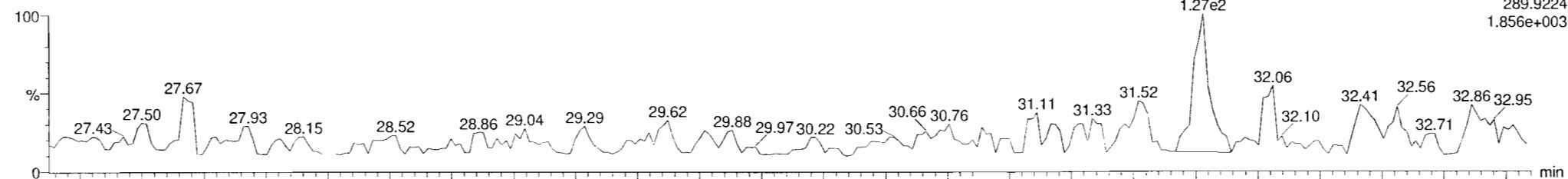
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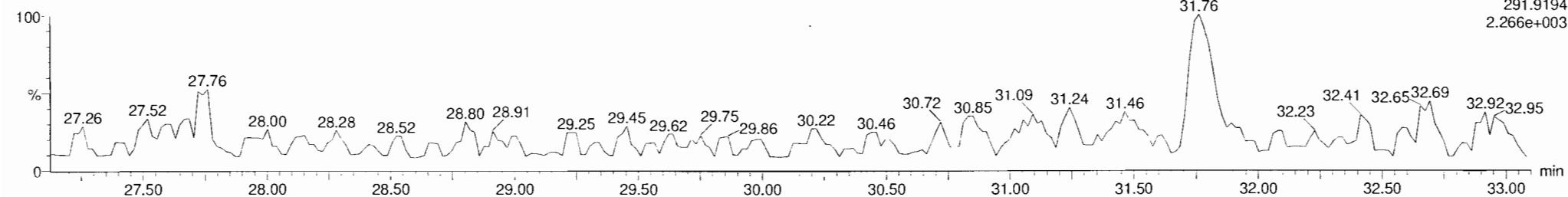
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PCB-50

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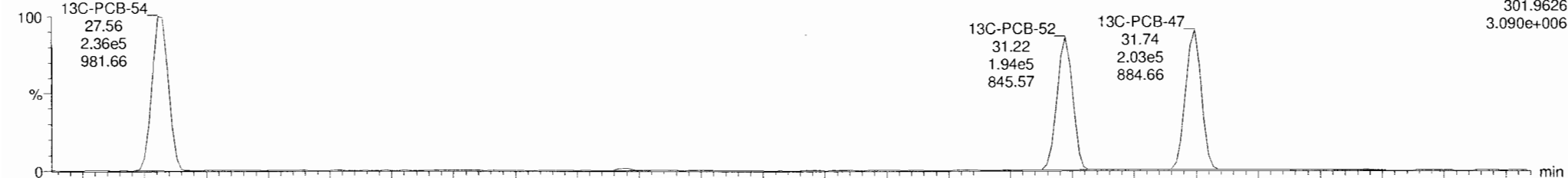


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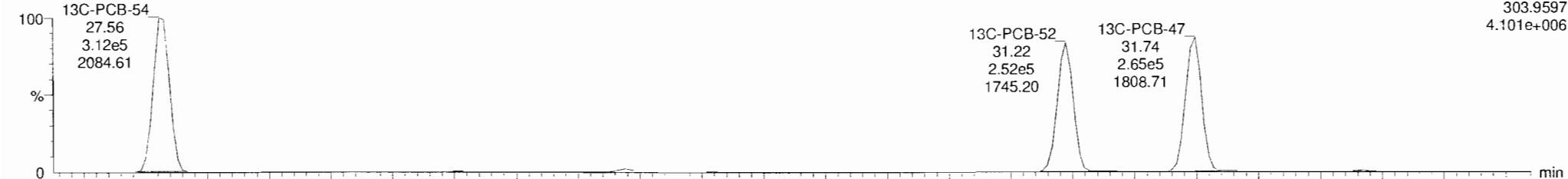


13C-PCB-52

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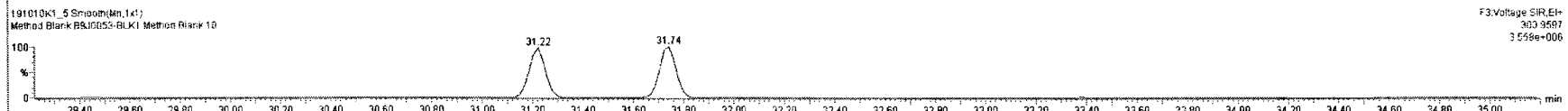
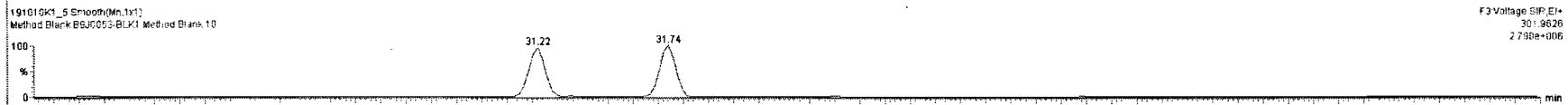
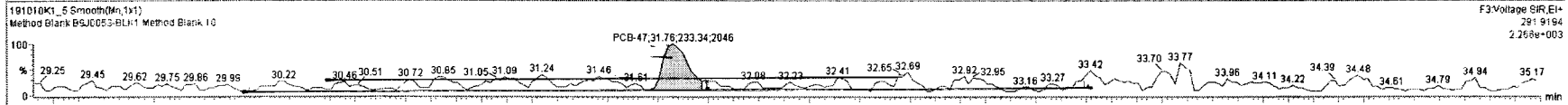
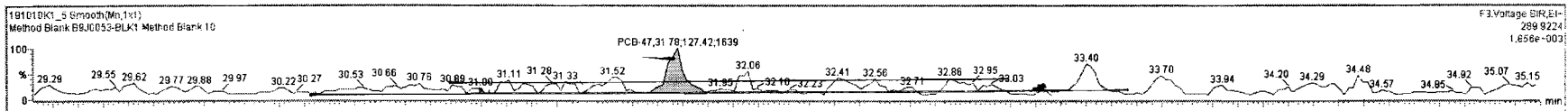


191010K1_5



#	Name	Resp	RA	RV	RF	WVol	Pred.RT	RT	Pred.R	RRT	RRT.Err	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	6.08e5	0.78	NO	1.0454	10.000	37.73	37.74	0.967	0.969	NO	1118	112	1.45	
223	13C-PCB-178	2.27e5	0.45	NO	0.9749	10.000	45.86	45.82	0.924	0.923	NO	1127	113	1.60	
224	Total Mono-PCBs				1.0122	10.000	0.00		0.000		NO			0.437	
225	Total Di-PCBs				1.0592	10.000	0.00		0.000		NO			5.40	
226	2nd Function Tri-PCBs				0.9137	10.000	0.00		0.000		NO			1.49	
227	3rd Function Tri-PCBs				1.0563	10.000	0.00		0.000		NO			3.20	
228	Total Tetra-PCBs				0.9861	10.000	0.00		0.000		NO	0.0000		6.49	0.7204
229	3rd Function Penta-PCBs				1.1154	10.000	0.00		0.000		NO			9.44	
230	4th Function Penta-PCBs				1.1112	10.000	0.00		0.000		NO			1.42	
231	3rd Function Hexa-PCBs				0.7739	10.000	0.00		0.000		NO			3.73	
232	4th Function Hexa-PCBs				0.9719	10.000	0.00		0.000		NO			4.97	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	RV	EMPC	Conc.
41	PCB-47	31.76	31.78	1.274e2	2.333e2	0.770	0.55	YES	0.72043	0.00000



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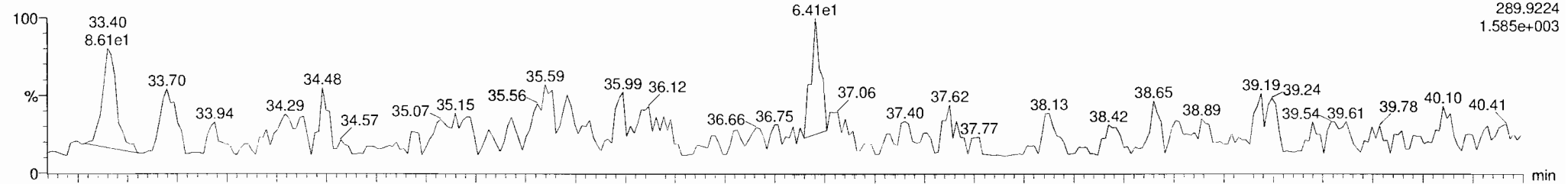
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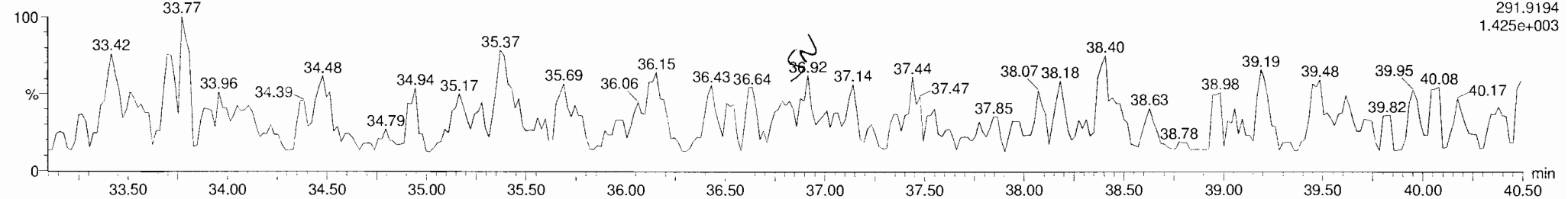
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PCB-68

191010K1_5

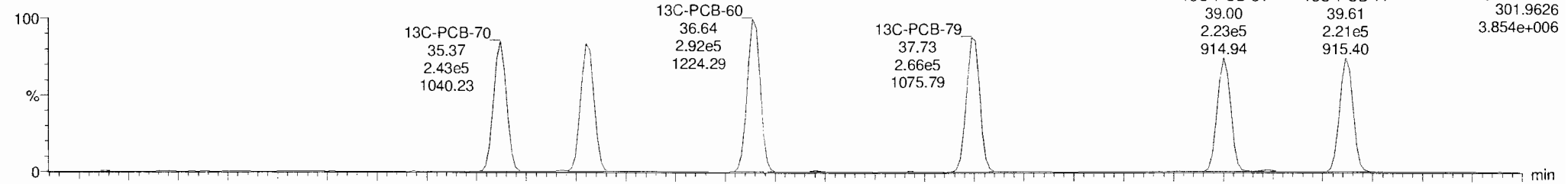


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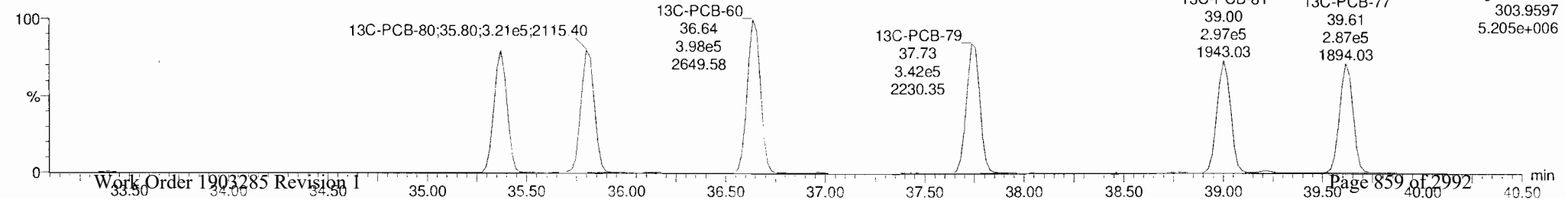


13C-PCB-60

191010K1_5



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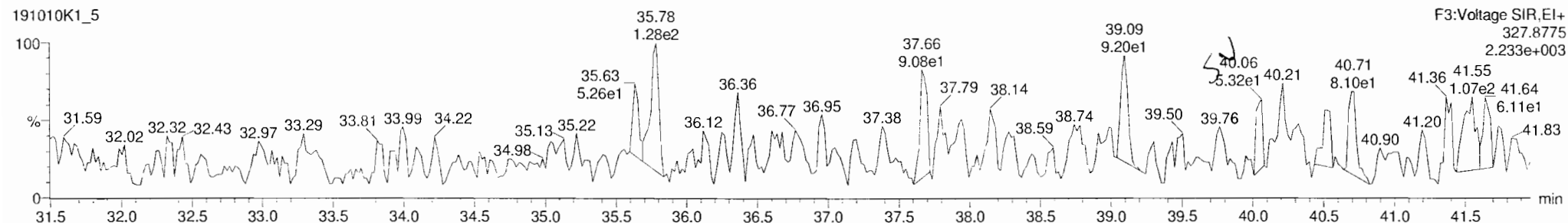
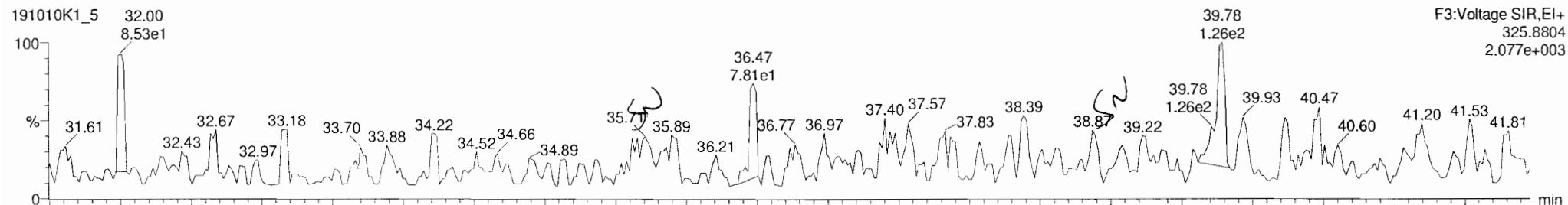
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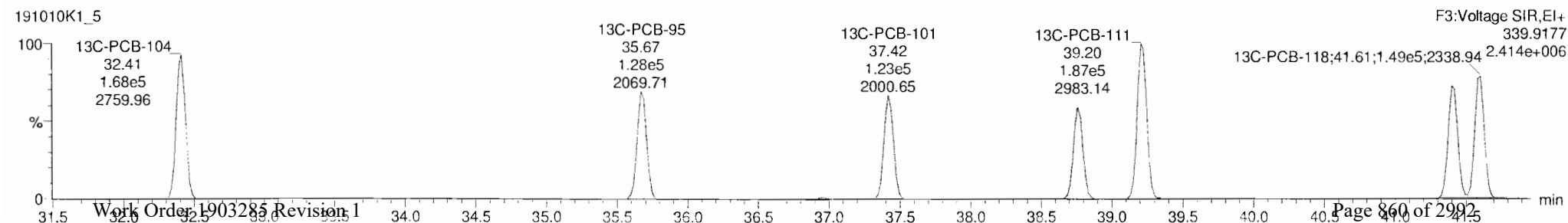
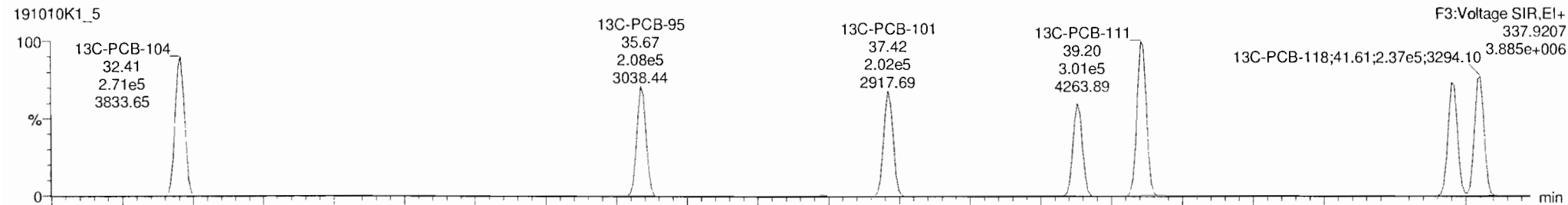
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-104



13C-PCB-104



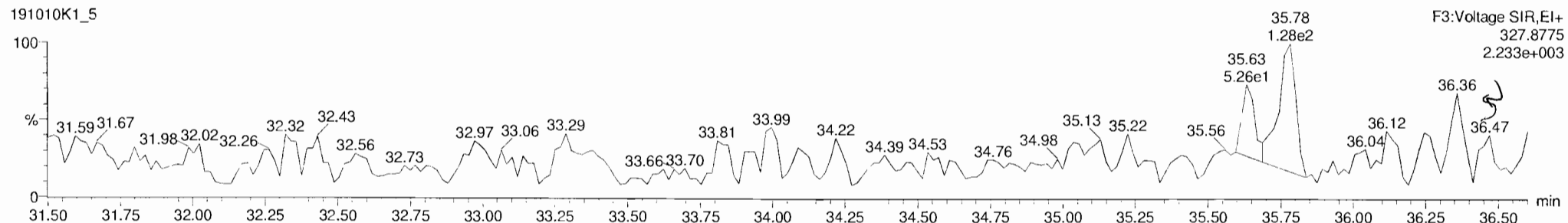
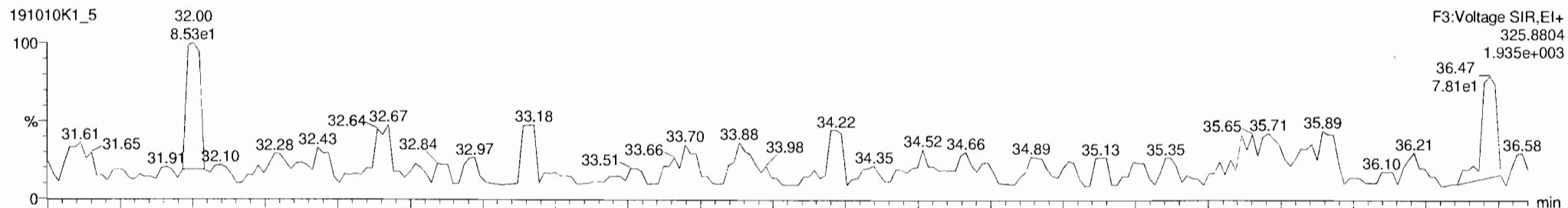
Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

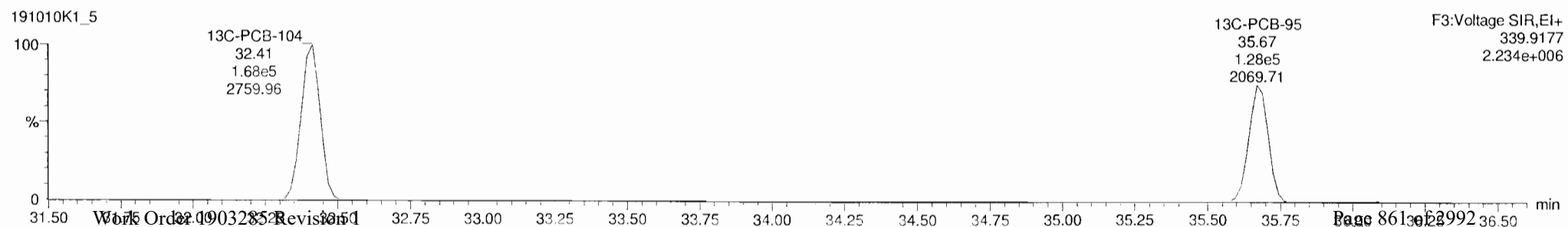
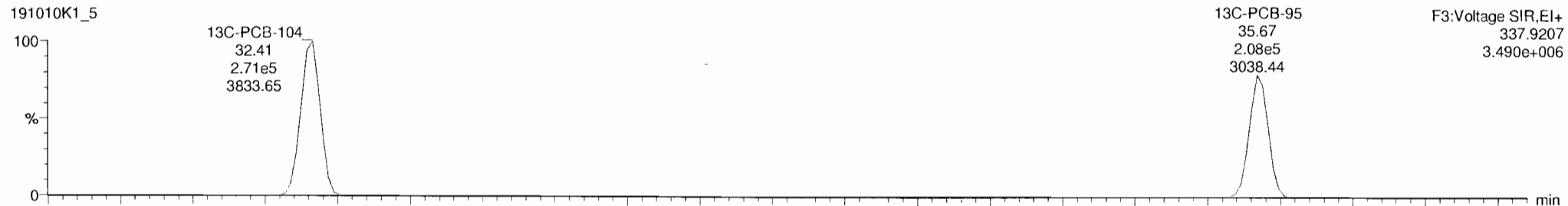
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-96



13C-PCB-95



Dataset: Untitled

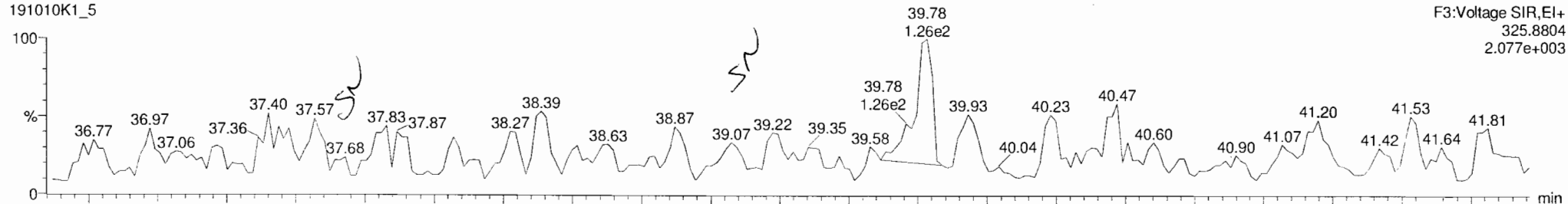
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

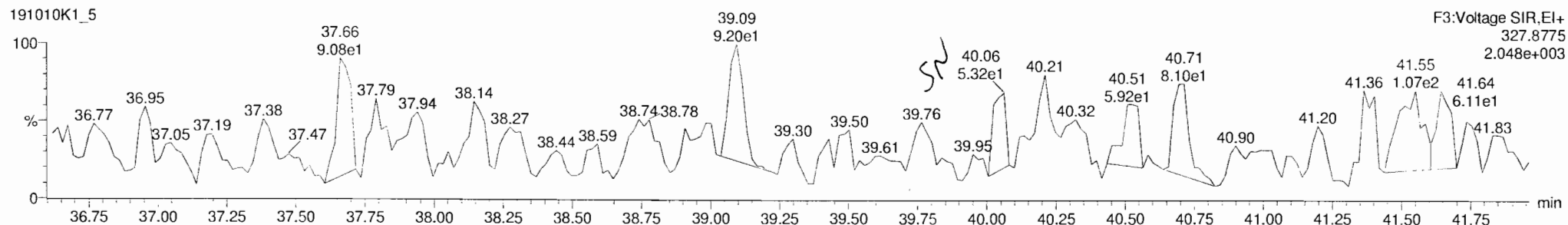
Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-119

191010K1_5

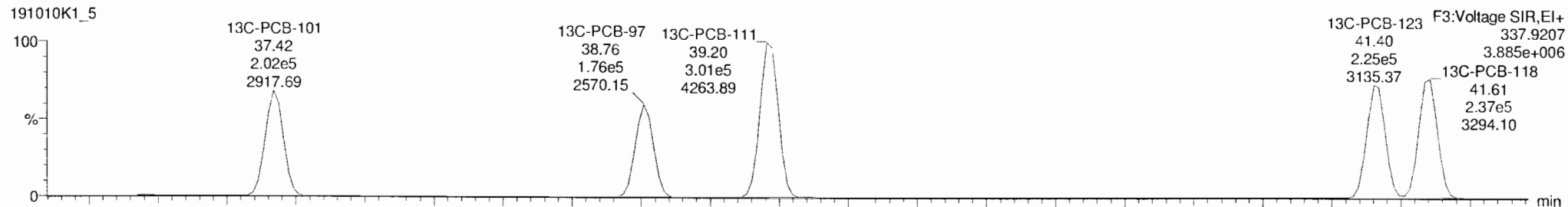


191010K1_5

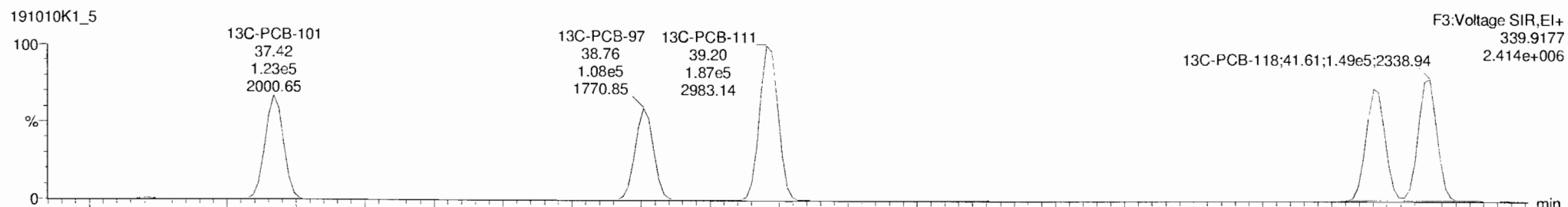


13C-PCB-111

191010K1_5



191010K1_5



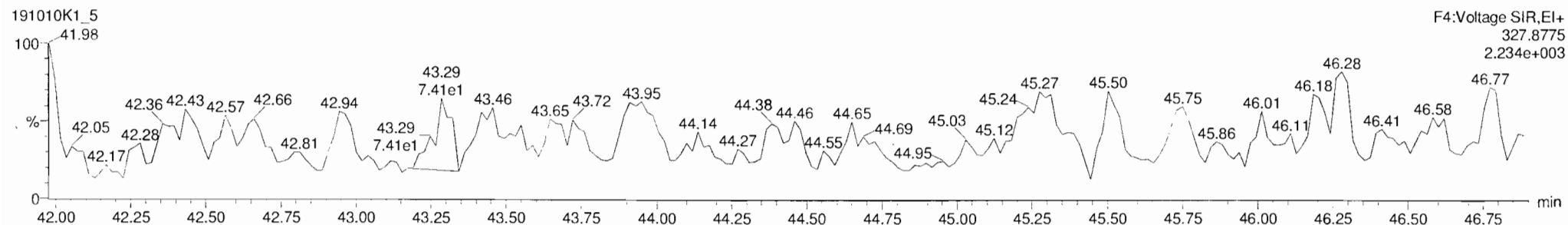
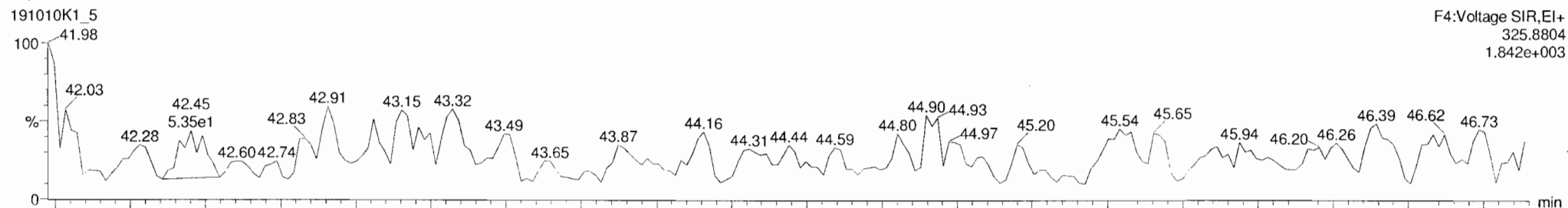
Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

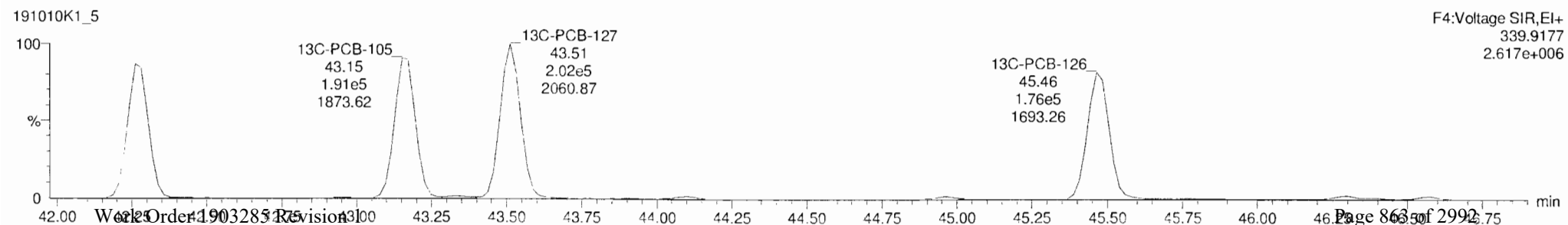
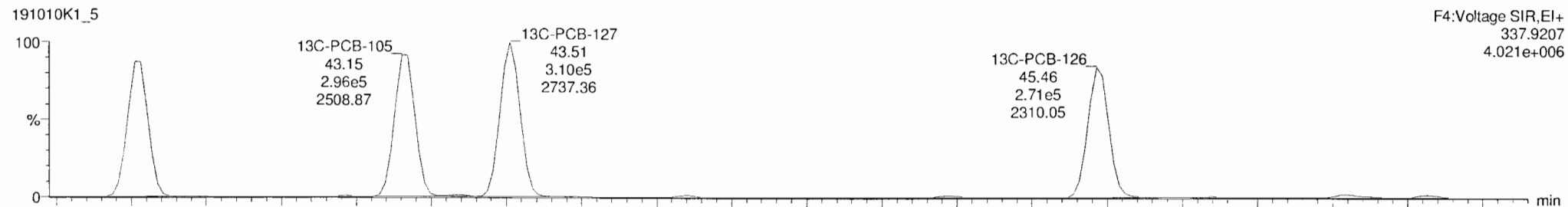
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-114



13C-PCB-114



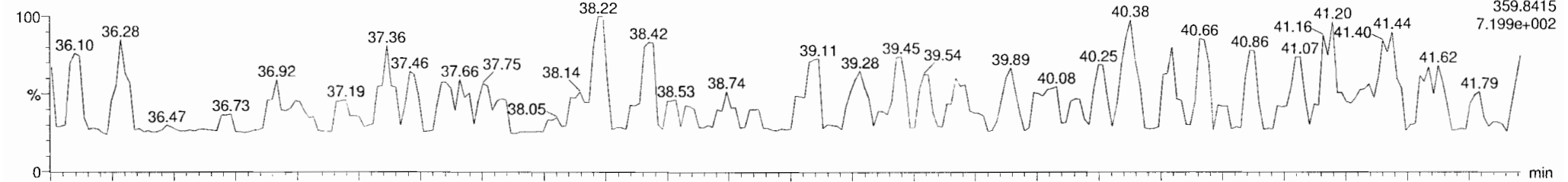
Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

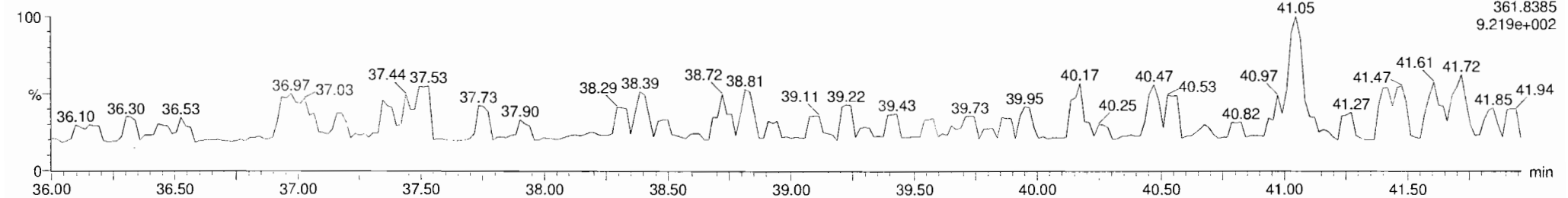
Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-155

191010K1_5

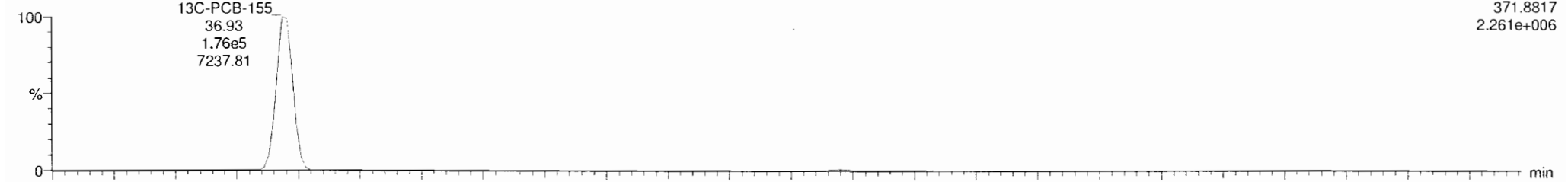


191010K1_5

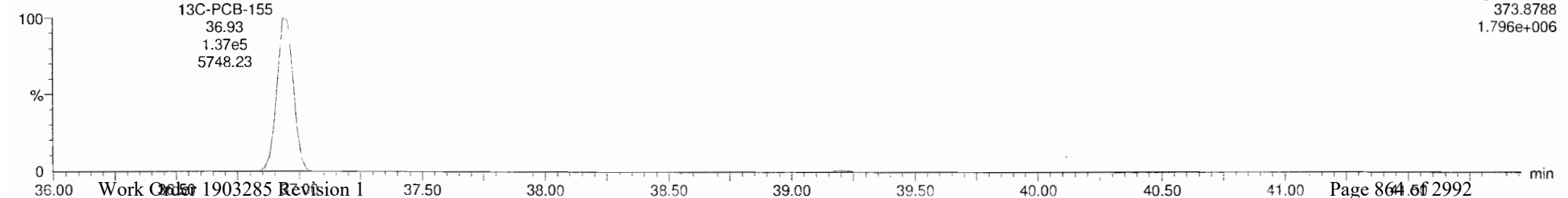


13C-PCB-155

191010K1_5



191010K1_5

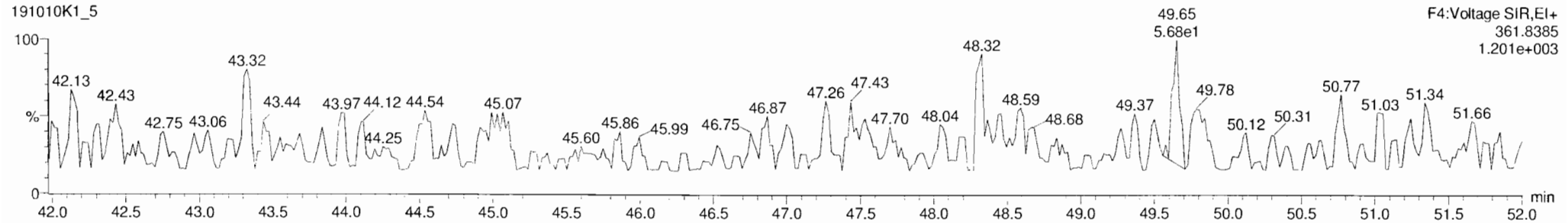
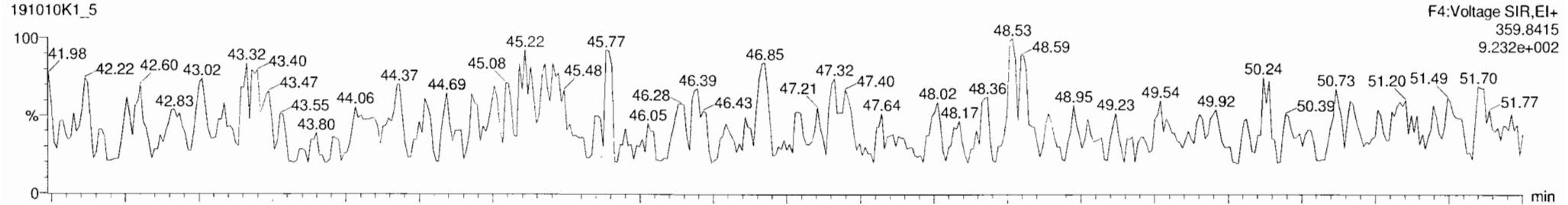


Dataset: Untitled

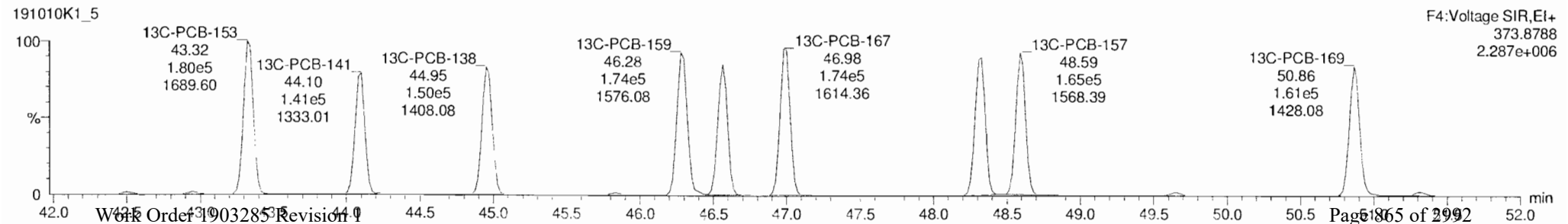
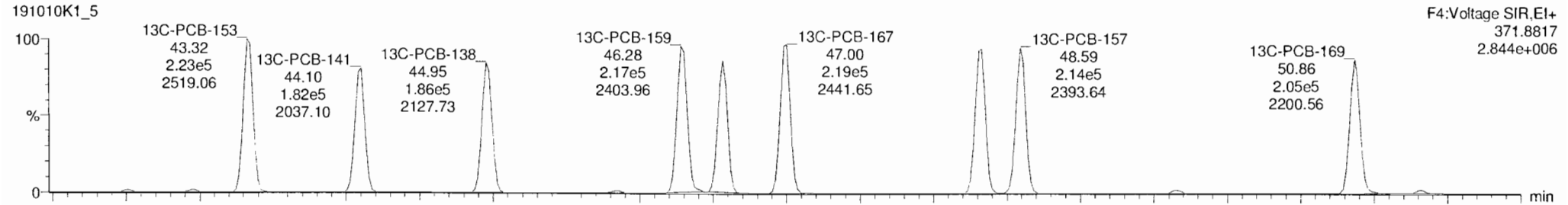
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-134/143



13C-PCB-153



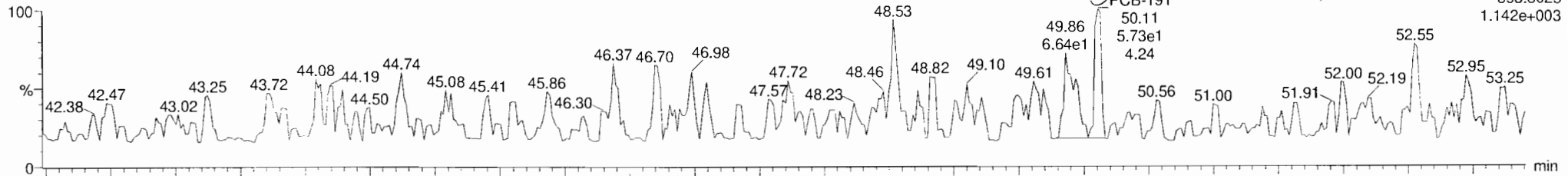
Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

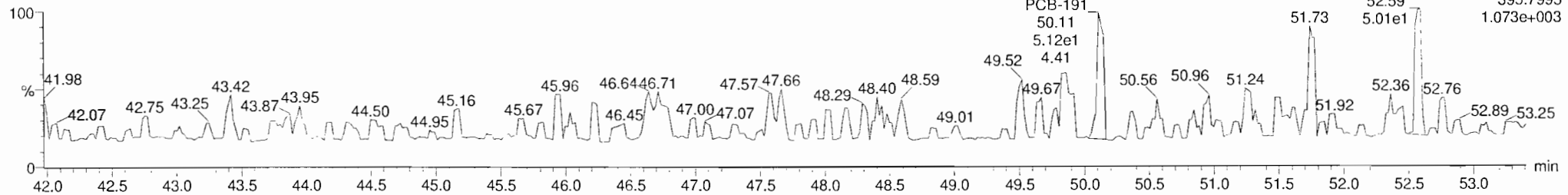
Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-188

191010K1_5

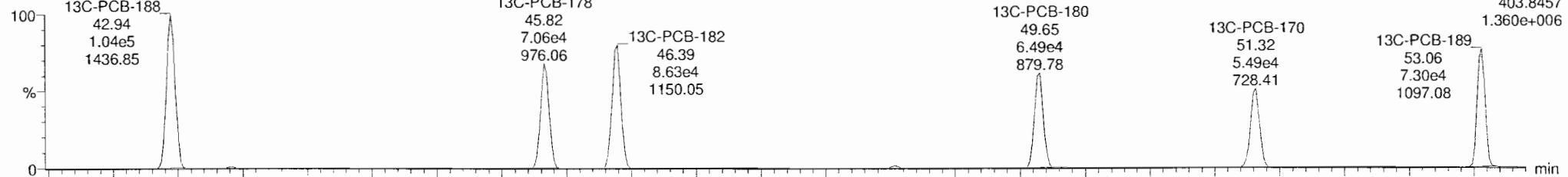


191010K1_5

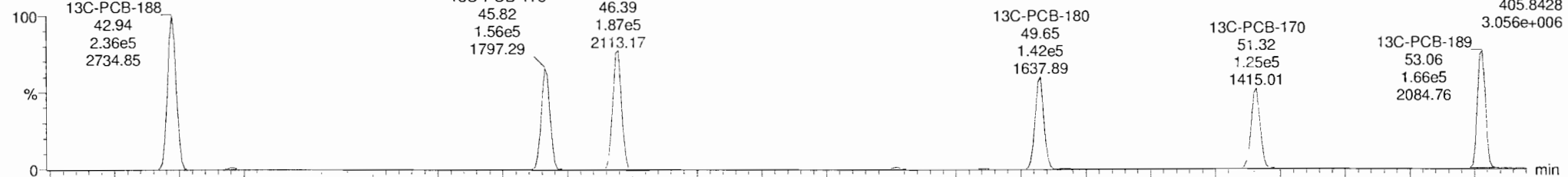


13C-PCB-188

191010K1_5



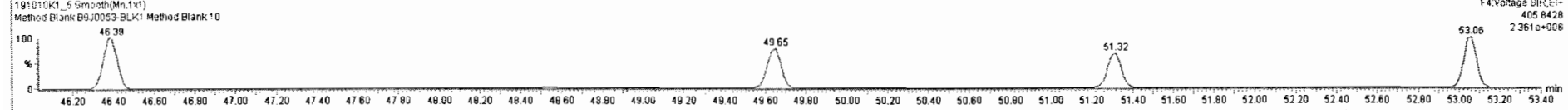
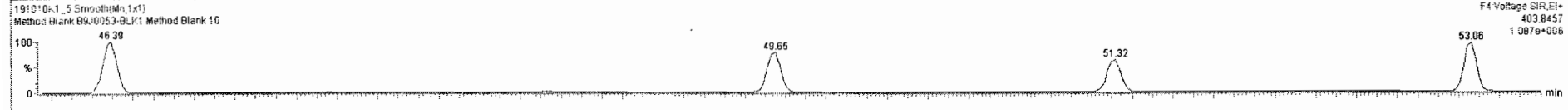
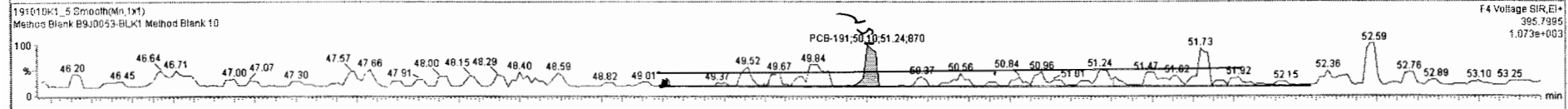
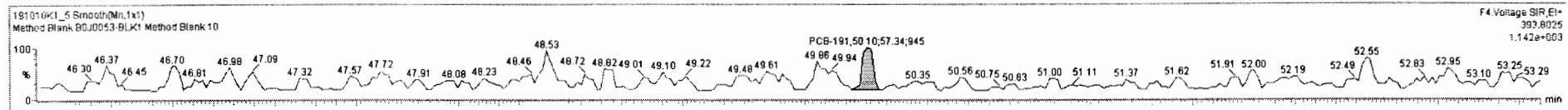
191010K1_5



191010K1_5 - B9J0053-BLK1 Method Blank 10 - Method Blank

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT.Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2636	10.000	0.00		0.000		NO	0.3340		4.30	0.3340
234	234 4th Function Octa-PCBs				0.8953	10.000	0.00		0.000		NO			1.07	
235	235 5th Function Octa-PCBs				1.1967	10.000	0.00		0.000		NO			0.449	
236	236 Total Nona-PCBs				0.9446	10.000	0.00		0.000		NO			0.382	
237	237 Deca-CB				0.9426	10.000	0.00		0.000		NO			0.0901	
238	238 Total PCBs														
239	239 Total Mono-isotopes														
240	240 Total Di-isotopes														
241	241 2nd Function Tri-isotopes														
242	242 3rd Function Tri-isotopes														
243	243 Tetra-isotopes				0.9849	10.000	0.00		1.000		NO	7216		10.3	0.0000

#	Name	Pred.RT	RT	m1 Resp.	m2 Resp.	1° Ratio (Pred)	RA	n/y	EMPC	Conc
1	PCB-191	50.14	50.10	5.734e1	5.124e1	1.050	1.12	NO	0.33404	0.33404



Dataset: Untitled

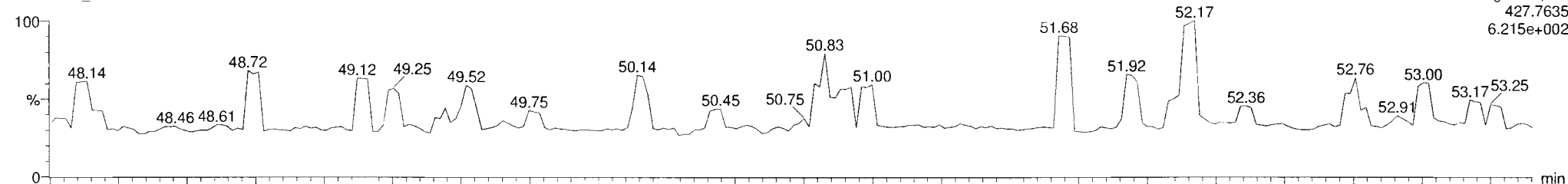
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

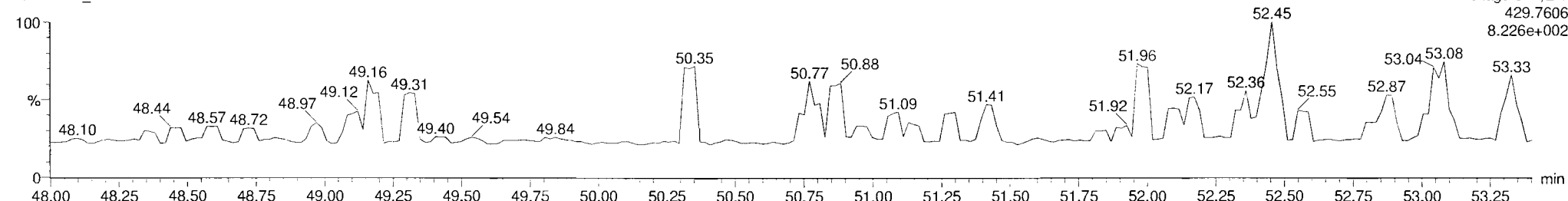
Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

PCB-202

191010K1_5

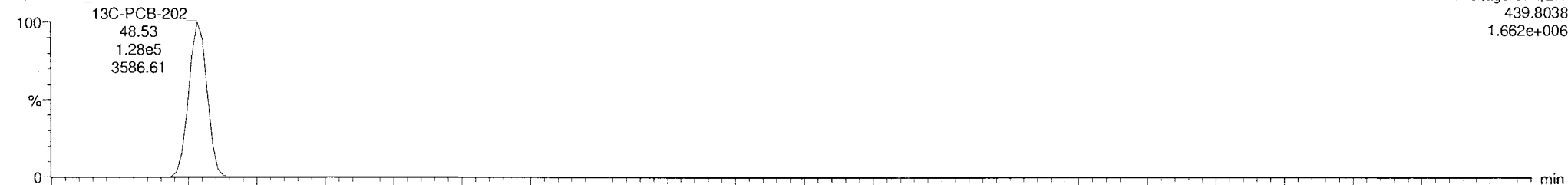


191010K1_5

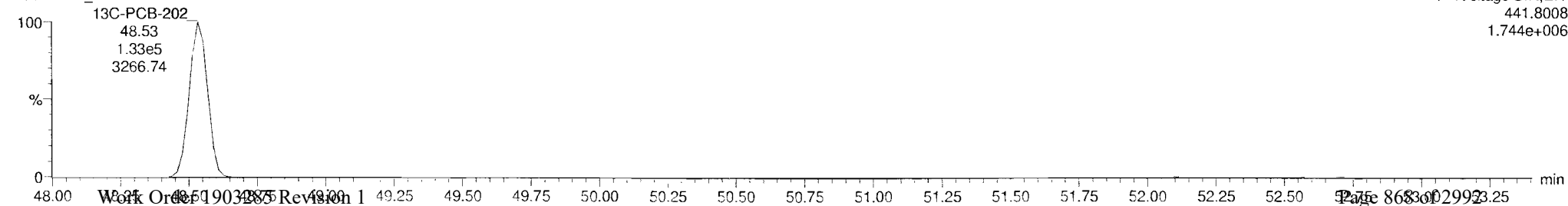


13C-PCB-202

191010K1_5



191010K1_5

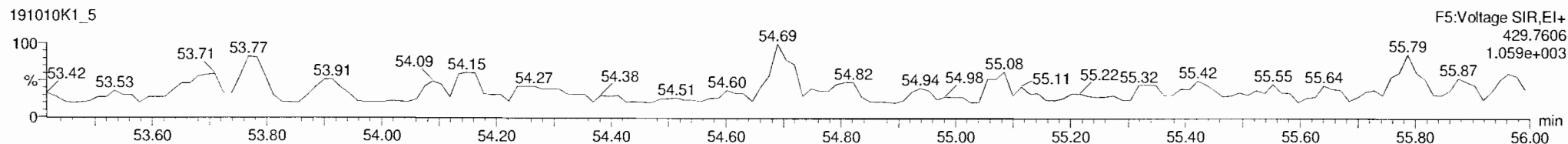
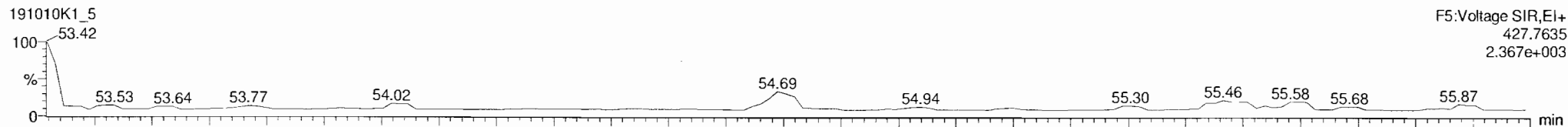


Dataset: Untitled

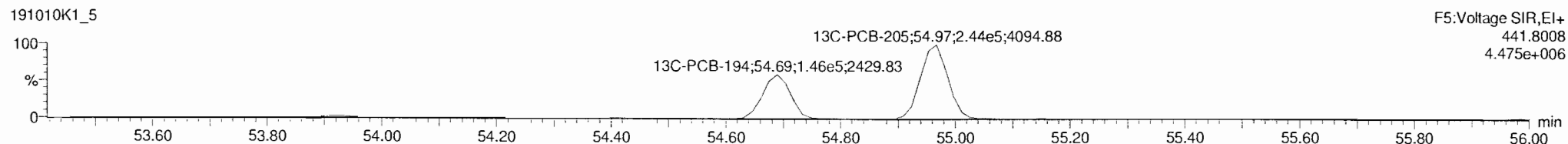
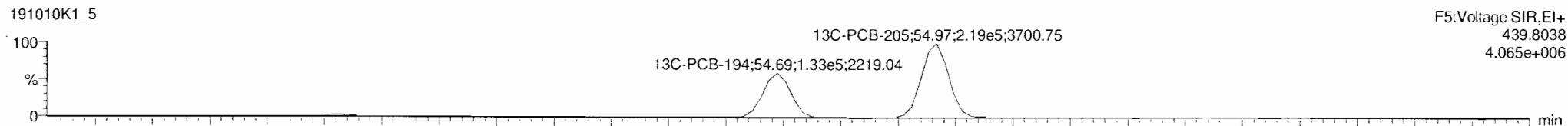
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

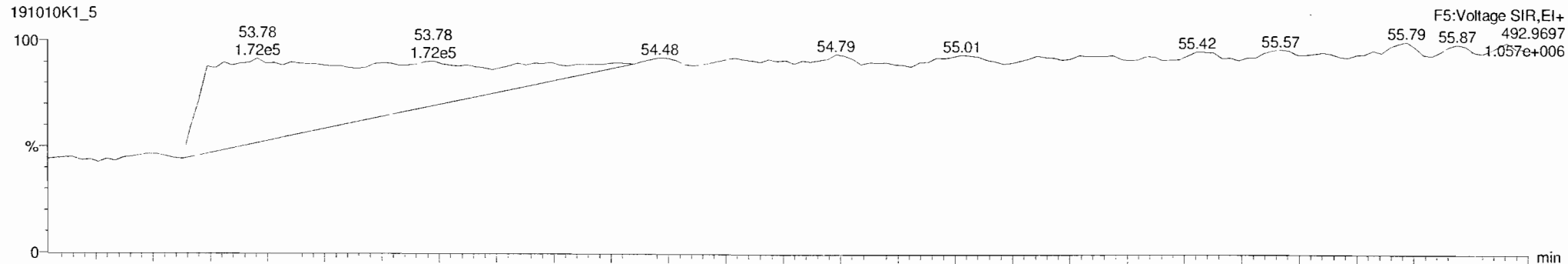
PCB-195



13C-PCB-194



PFK5



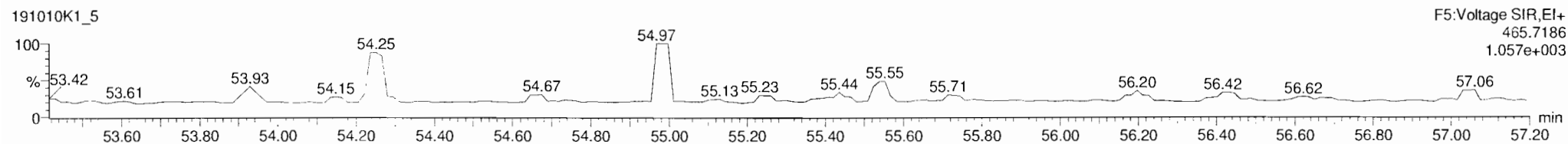
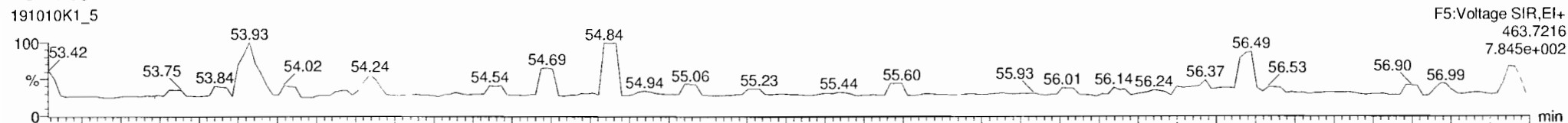
Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

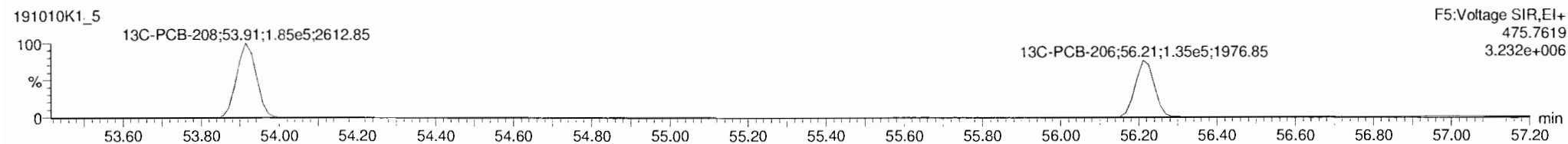
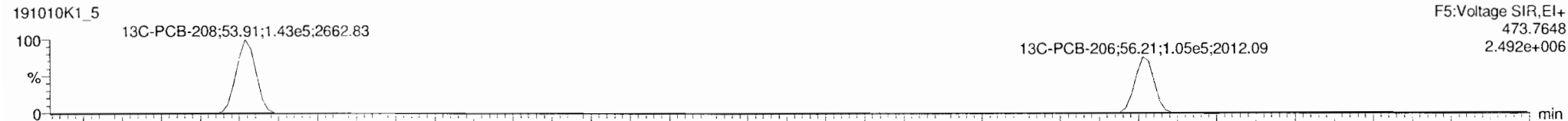
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

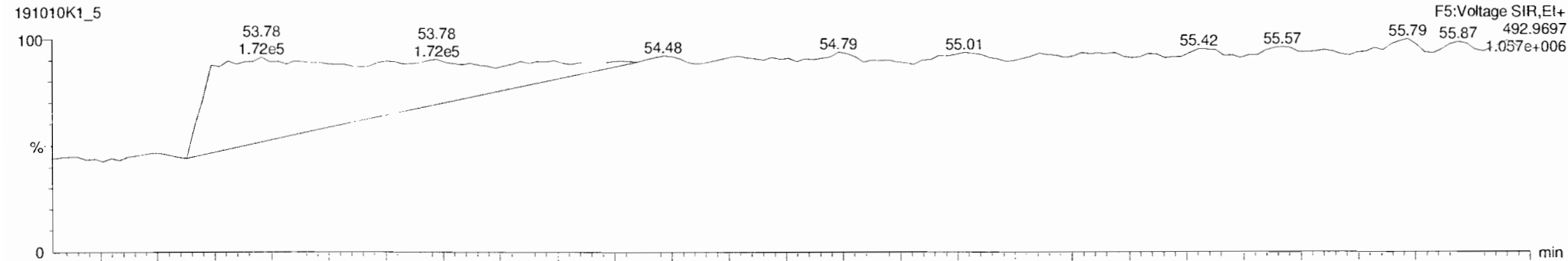
PCB-208



13C-PCB-208



PFK5

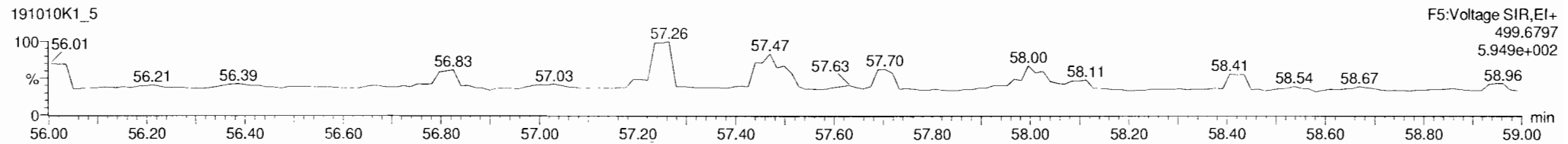
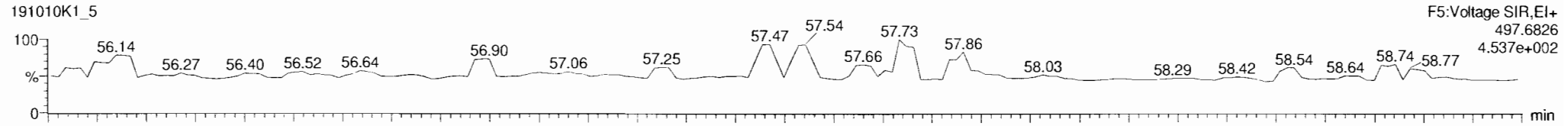


Dataset: Untitled

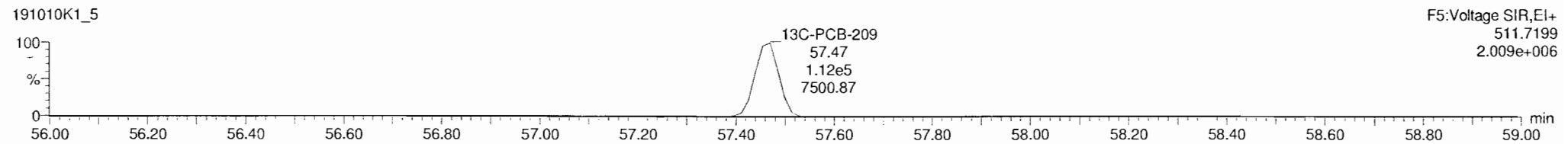
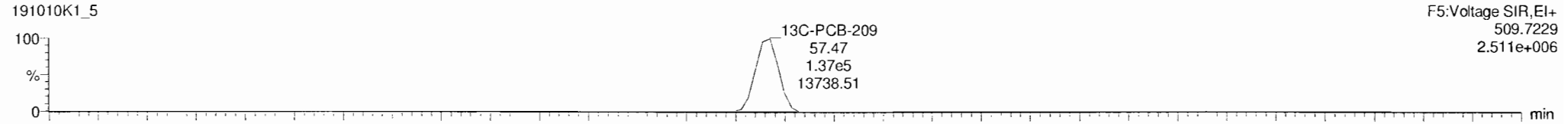
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_5, Date: 10-Oct-2019, Time: 19:41:04, ID: B9J0053-BLK1 Method Blank 10, Description: Method Blank

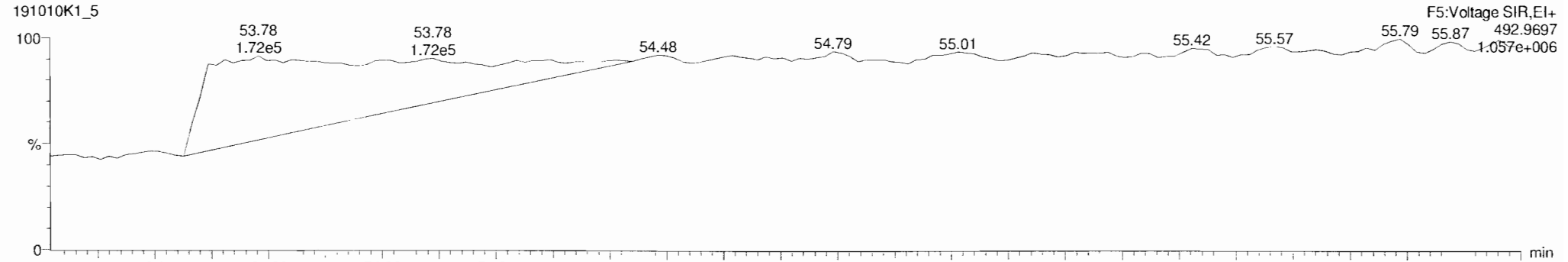
PCB-209



13C-PCB-209



PFK5



Dataset: U:\VG11.PRO\Results\191010K1\191010K1-3.qld

Last Altered: Friday, October 11, 2019 09:47:10 Pacific Daylight Time

Printed: Friday, October 11, 2019 09:48:02 Pacific Daylight Time

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	4.03e5	3.15	NO	1.02	10.000	15.51	15.52	1.001	1.001	NO	639.2		0.220	639.2
2	2 PCB-2	4.23e5	3.19	NO	1.01	10.000	17.93	17.93	0.988	0.988	NO	621.2		0.206	621.2
3	3 PCB-3	4.28e5	3.16	NO	1.01	10.000	18.15	18.17	1.001	1.001	NO	629.4		0.207	629.4
4	4 PCB-4/10	6.71e5	1.59	NO	1.28	10.000	19.58	19.58	1.004	1.004	NO	1124		0.926	1124
5	5 PCB-7/9	8.47e5	1.57	NO	0.976	10.000	21.38	21.36	1.003	1.002	NO	1127		0.747	1127
6	6 PCB-6	4.66e5	1.58	NO	1.02	10.000	22.03	22.03	1.033	1.033	NO	594.9		0.717	594.9
7	7 PCB-5/8	9.24e5	1.59	NO	1.01	10.000	22.44	22.44	1.052	1.052	NO	1186		0.721	1186
8	8 PCB-14	4.73e5	1.63	NO	1.03	10.000	23.59	23.57	0.952	0.951	NO	556.0		0.689	556.0
9	9 PCB-11	5.16e5	1.59	NO	1.10	10.000	24.80	24.80	1.001	1.001	NO	572.0		0.649	572.0
10	10 PCB-12/13	9.58e5	1.61	NO	1.04	10.000	25.23	25.17	1.018	1.016	NO	1122		0.686	1122
11	11 PCB-15	4.73e5	1.58	NO	1.03	10.000	25.53	25.52	1.030	1.030	NO	558.6		0.691	558.6
12	12 PCB-19	2.23e5	0.99	NO	0.934	10.000	23.77	23.76	1.001	1.001	NO	582.4		0.351	582.4
13	13 PCB-30	3.70e5	1.00	NO	1.48	10.000	24.66	24.67	1.039	1.040	NO	610.5		0.222	610.5
14	14 PCB-18	2.43e5	0.98	NO	0.693	10.000	25.45	25.44	0.952	0.952	NO	579.9		0.325	579.9
15	15 PCB-17	2.30e5	0.98	NO	0.667	10.000	25.61	25.61	0.958	0.958	NO	569.5		0.338	569.5
16	16 PCB-24/27	6.54e5	0.99	NO	0.915	10.000	26.22	26.21	0.981	0.981	NO	1182		0.246	1182
17	17 PCB-16/32	5.58e5	0.97	NO	0.792	10.000	26.75	26.75	1.001	1.001	NO	1164		0.284	1164
18	18 PCB-34	4.10e5	1.04	NO	0.987	10.000	27.57	27.56	0.959	0.959	NO	575.2		0.436	575.2
19	19 PCB-23	3.71e5	1.07	NO	0.974	10.000	27.66	27.65	0.962	0.962	NO	527.0		0.442	527.0
20	20 PCB-29	3.84e5	1.07	NO	0.953	10.000	27.93	27.91	0.972	0.971	NO	558.1		0.452	558.1
21	21 PCB-26	4.05e5	1.05	NO	1.00	10.000	28.14	28.13	0.979	0.979	NO	560.9		0.430	560.9
22	22 PCB-25	4.04e5	1.07	NO	0.978	10.000	28.31	28.30	0.985	0.984	NO	572.6		0.441	572.6
23	23 PCB-31	4.51e5	1.05	NO	1.12	10.000	28.68	28.65	0.998	0.997	NO	555.6		0.384	555.6
24	24 PCB-28	4.42e5	1.07	NO	1.11	10.000	28.76	28.76	1.001	1.001	NO	553.0		0.390	553.0
25	25 PCB-20/21/33	1.25e6	1.06	NO	1.00	10.000	29.39	29.40	1.022	1.023	NO	1719		0.429	1719
26	26 PCB-22	4.32e5	1.06	NO	1.03	10.000	29.86	29.84	1.039	1.038	NO	579.6		0.417	579.6
27	27 PCB-36	4.58e5	1.04	NO	1.18	10.000	30.49	30.50	0.932	0.932	NO	565.4		0.389	565.4
28	28 PCB-39	4.18e5	1.06	NO	1.08	10.000	30.96	30.98	0.946	0.947	NO	560.1		0.422	560.1
29	29 PCB-38	4.38e5	1.06	NO	1.13	10.000	31.77	31.76	0.971	0.970	NO	564.2		0.405	564.2
30	30 PCB-35	4.45e5	1.04	NO	1.13	10.000	32.31	32.30	0.987	0.987	NO	571.4		0.404	571.4
31	31 PCB-37	4.11e5	1.06	NO	1.11	10.000	32.76	32.75	1.001	1.001	NO	539.4		0.414	539.4
32	32 PCB-54	3.00e5	0.73	NO	0.996	10.000	27.59	27.59	1.001	1.001	NO	572.5		0.471	572.5

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-3.qld

Last Altered: Friday, October 11, 2019 09:47:10 Pacific Daylight Time

Printed: Friday, October 11, 2019 09:48:02 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	2.40e5	0.74	NO	0.781	10.000	28.79	28.80	1.044	1.045	NO	583.8		0.600	583.8
34	34 PCB-53	2.24e5	0.73	NO	0.955	10.000	29.47	29.47	0.943	0.943	NO	538.6		0.615	538.6
35	35 PCB-51	2.41e5	0.72	NO	1.02	10.000	29.82	29.83	0.955	0.955	NO	542.9		0.574	542.9
36	36 PCB-45	1.94e5	0.73	NO	0.808	10.000	30.27	30.27	0.969	0.969	NO	552.0		0.727	552.0
37	37 PCB-46	1.88e5	0.72	NO	0.754	10.000	30.77	30.77	0.985	0.985	NO	573.9		0.780	573.9
38	38 PCB-52/69	5.37e5	0.73	NO	1.09	10.000	31.28	31.28	1.001	1.001	NO	1132		0.538	1132
39	39 PCB-73	3.30e5	0.74	NO	1.29	10.000	31.40	31.39	1.005	1.005	NO	588.7		0.456	588.7
40	40 PCB-43/49	4.67e5	0.73	NO	0.940	10.000	31.56	31.56	1.010	1.010	NO	1142		0.625	1142
41	41 PCB-47	2.20e5	0.73	NO	0.869	10.000	31.76	31.78	1.001	1.001	NO	541.4		0.630	541.4
42	42 PCB-48/75	5.43e5	0.74	NO	1.02	10.000	31.87	31.89	1.004	1.005	NO	1131		0.534	1131
43	43 PCB-65	2.84e5	0.74	NO	1.11	10.000	32.14	32.15	1.013	1.013	NO	547.7		0.494	547.7
44	44 PCB-62	2.84e5	0.74	NO	1.07	10.000	32.25	32.26	1.016	1.016	NO	569.8		0.514	569.8
45	45 PCB-44	1.89e5	0.73	NO	0.761	10.000	32.59	32.60	1.027	1.027	NO	530.7		0.719	530.7
46	46 PCB-42/59	4.91e5	0.73	NO	0.960	10.000	32.80	32.82	1.033	1.034	NO	1093		0.570	1093
47	47 PCB-41/64/71/72	1.14e6	0.73	NO	1.08	10.000	33.42	33.44	1.053	1.053	NO	2248		0.506	2248
48	48 PCB-68	3.02e5	0.73	NO	1.11	10.000	33.68	33.70	1.061	1.062	NO	581.0		0.493	581.0
49	49 PCB-40	1.50e5	0.74	NO	0.577	10.000	33.91	33.92	1.068	1.069	NO	554.4		0.949	554.4
50	50 PCB-57	3.16e5	0.73	NO	1.05	10.000	34.29	34.29	0.969	0.969	NO	578.1		0.474	578.1
51	51 PCB-67	3.03e5	0.73	NO	0.993	10.000	34.62	34.61	0.978	0.978	NO	584.3		0.501	584.3
52	52 PCB-58	3.30e5	0.74	NO	1.11	10.000	34.75	34.72	0.982	0.981	NO	567.9		0.447	567.9
53	53 PCB-63	2.92e5	0.72	NO	0.962	10.000	34.90	34.89	0.986	0.986	NO	581.6		0.517	581.6
54	54 PCB-74	3.11e5	0.73	NO	1.07	10.000	35.19	35.19	0.994	0.994	NO	558.1		0.466	558.1
55	55 PCB-61/70	5.99e5	0.72	NO	0.986	10.000	35.41	35.32	1.000	0.998	NO	1163		0.504	1163
56	56 PCB-76/66	6.29e5	0.74	NO	1.07	10.000	35.57	35.60	1.005	1.006	NO	1130		0.466	1130
57	57 PCB-80	3.25e5	0.73	NO	1.08	10.000	35.84	35.84	1.001	1.001	NO	552.1		0.430	552.1
58	58 PCB-55	3.32e5	0.74	NO	1.07	10.000	36.16	36.15	1.010	1.009	NO	571.9		0.436	571.9
59	59 PCB-56/60	5.90e5	0.73	NO	0.934	10.000	36.66	36.67	1.024	1.024	NO	1163		0.499	1163
60	60 PCB-79	3.34e5	0.73	NO	1.04	10.000	37.78	37.77	1.055	1.055	NO	587.8		0.446	587.8
61	61 PCB-78	3.04e5	0.73	NO	1.03	10.000	38.50	38.50	0.987	0.987	NO	570.8		0.482	570.8
62	62 PCB-81	2.63e5	0.75	NO	0.933	10.000	39.04	39.04	1.000	1.000	NO	546.2		0.533	546.2
63	63 PCB-77	2.94e5	0.75	NO	1.03	10.000	39.65	39.65	1.000	1.000	NO	555.1		0.485	555.1
64	64 PCB-104	2.27e5	1.45	NO	0.995	10.000	32.43	32.45	1.001	1.001	NO	548.8		2.81	548.8
65	65 PCB-96	2.33e5	1.54	NO	0.996	10.000	33.73	33.73	1.041	1.041	NO	563.0		2.81	563.0
66	66 PCB-103	1.77e5	1.51	NO	0.774	10.000	34.29	34.31	1.058	1.059	NO	550.3		3.61	550.3
67	67 PCB-100	1.84e5	1.49	NO	0.778	10.000	34.66	34.66	1.069	1.069	NO	567.9		3.60	567.9
68	68 PCB-94	1.46e5	1.50	NO	0.773	10.000	35.17	35.17	0.985	0.985	NO	579.3		4.55	579.3

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Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	5.40e5	1.51	NO	1.01	10.000	35.64	35.63	0.999	0.998	NO	1633		3.47	1633
70	70 PCB-93	1.65e5	1.53	NO	0.841	10.000	35.77	35.74	1.002	1.002	NO	603.0		4.18	603.0
71	71 PCB-88/91	3.42e5	1.53	NO	0.890	10.000	36.12	36.12	1.012	1.012	NO	1180		3.95	1180
72	72 PCB-121	2.46e5	1.54	NO	1.39	10.000	36.21	36.21	1.015	1.015	NO	545.0		2.54	545.0
73	73 PCB-84/92	3.19e5	1.53	NO	0.879	10.000	37.07	37.06	0.990	0.990	NO	1111		4.02	1111
74	74 PCB-89	1.76e5	1.56	NO	0.959	10.000	37.28	37.25	0.996	0.995	NO	560.9		3.68	560.9
75	75 PCB-90/101	3.44e5	1.52	NO	0.944	10.000	37.46	37.44	1.000	1.000	NO	1117		3.74	1117
76	76 PCB-113	2.48e5	1.56	NO	1.23	10.000	37.70	37.70	1.007	1.007	NO	616.6		2.87	616.6
77	77 PCB-99	1.85e5	1.58	NO	1.12	10.000	37.80	37.79	1.010	1.009	NO	506.5		3.15	506.5
78	78 PCB-119	2.40e5	1.49	NO	1.47	10.000	38.27	38.27	0.987	0.987	NO	589.0		2.78	589.0
79	79 PCB-108/112	3.93e5	1.53	NO	1.25	10.000	38.43	38.42	0.991	0.991	NO	1139		3.28	1139
80	80 PCB-83	2.44e5	1.51	NO	1.55	10.000	38.60	38.59	0.996	0.995	NO	570.1		2.65	570.1
81	81 PCB-97	1.66e5	1.51	NO	1.07	10.000	38.82	38.80	1.001	1.000	NO	558.3		3.81	558.3
82	82 PCB-86	1.63e5	1.52	NO	0.996	10.000	38.96	38.94	1.005	1.004	NO	591.4		4.12	591.4
83	83 PCB-87/117/125	6.12e5	1.49	NO	1.33	10.000	39.07	39.08	1.008	1.008	NO	1663		3.07	1663
84	84 PCB-111/115	4.77e5	1.47	NO	1.60	10.000	39.24	39.24	1.012	1.012	NO	1079		2.56	1079
85	85 PCB-85/116	3.91e5	1.51	NO	1.22	10.000	39.36	39.37	1.015	1.015	NO	1163		3.37	1163
86	86 PCB-120	2.67e5	1.49	NO	1.68	10.000	39.63	39.63	1.022	1.022	NO	573.7		2.44	573.7
87	87 PCB-110	2.37e5	1.50	NO	1.49	10.000	39.77	39.76	1.026	1.025	NO	576.7		2.76	576.7
88	88 PCB-82	1.40e5	1.47	NO	0.674	10.000	40.39	40.41	0.975	0.976	NO	544.0		4.54	544.0
89	89 PCB-124	2.40e5	1.47	NO	1.16	10.000	41.13	41.12	0.993	0.993	NO	541.9		2.63	541.9
90	90 PCB-107/109	4.97e5	1.52	NO	1.17	10.000	41.27	41.27	0.996	0.996	NO	1121		2.63	1121
91	91 PCB-123	2.20e5	1.53	NO	1.04	10.000	41.44	41.44	1.000	1.000	NO	554.9		2.94	554.9
92	92 PCB-106/118	4.73e5	1.52	NO	1.07	10.000	41.64	41.66	1.001	1.001	NO	1096		2.70	1096
93	93 PCB-114	2.91e5	1.57	NO	1.16	10.000	42.30	42.30	1.000	1.000	NO	540.8		0.754	540.8
94	94 PCB-122	2.53e5	1.58	NO	0.973	10.000	42.43	42.45	1.003	1.004	NO	562.7		0.901	562.7
95	95 PCB-105	2.98e5	1.59	NO	1.10	10.000	43.19	43.19	1.000	1.000	NO	541.5		0.732	541.5
96	96 PCB-127	3.08e5	1.57	NO	1.11	10.000	43.55	43.55	1.000	1.000	NO	547.4		0.730	547.4
97	97 PCB-126	3.09e5	1.62	NO	1.21	10.000	45.50	45.50	1.000	1.000	NO	559.6		0.728	559.6
98	98 PCB-155	1.51e5	1.28	NO	0.874	10.000	36.97	36.97	1.000	1.001	NO	552.3		0.301	552.3
99	99 PCB-150	1.56e5	1.27	NO	0.881	10.000	38.27	38.27	1.036	1.036	NO	567.1		0.299	567.1
100	1... PCB-152	1.74e5	1.22	NO	1.00	10.000	38.76	38.78	1.049	1.049	NO	553.9		0.262	553.9
101	1... PCB-145	1.69e5	1.25	NO	1.00	10.000	39.20	39.22	1.061	1.061	NO	540.9		0.263	540.9
102	1... PCB-136	1.51e5	1.26	NO	0.843	10.000	39.56	39.56	1.071	1.070	NO	572.6		0.312	572.6
103	1... PCB-148	1.09e5	1.29	NO	0.693	10.000	39.67	39.69	1.073	1.074	NO	505.6		0.380	505.6
104	1... PCB-154	1.27e5	1.28	NO	0.724	10.000	40.16	40.19	1.087	1.088	NO	562.2		0.363	562.2

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Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.10e5	1.25	NO	0.632	10.000	40.83	40.84	1.105	1.105	NO	558.5		0.416	558.5
106	1... PCB-135	1.22e5	1.27	NO	0.716	10.000	41.05	41.07	1.111	1.111	NO	543.5		0.368	543.5
107	1... PCB-144	1.17e5	1.28	NO	0.667	10.000	41.16	41.18	1.114	1.114	NO	561.6		0.395	561.6
108	1... PCB-147	1.14e5	1.28	NO	0.661	10.000	41.28	41.33	1.117	1.118	NO	551.9		0.398	551.9
109	1... PCB-139/149	2.63e5	1.26	NO	0.738	10.000	41.57	41.59	1.125	1.125	NO	1140		0.356	1140
110	1... PCB-140	1.11e5	1.27	NO	0.627	10.000	41.76	41.77	1.130	1.130	NO	564.7		0.419	564.7
111	1... PCB-134/143	3.10e5	1.21	NO	0.733	10.000	42.25	42.22	0.975	0.974	NO	1055		0.951	1055
112	1... PCB-131/133	3.45e5	1.21	NO	0.790	10.000	42.54	42.55	0.982	0.982	NO	1088		0.883	1088
113	1... PCB-142	1.55e5	1.18	NO	0.708	10.000	42.69	42.70	0.985	0.985	NO	546.0		0.985	546.0
114	1... PCB-146/165	4.27e5	1.20	NO	0.959	10.000	42.94	42.94	0.991	0.991	NO	1111		0.727	1111
115	1... PCB-132/161	4.15e5	1.19	NO	0.974	10.000	43.18	43.17	0.996	0.996	NO	1063		0.716	1063
116	1... PCB-153	2.18e5	1.18	NO	1.01	10.000	43.36	43.36	1.000	1.000	NO	537.9		0.689	537.9
117	1... PCB-168	2.18e5	1.17	NO	1.02	10.000	43.59	43.59	1.006	1.006	NO	531.9		0.684	531.9
118	1... PCB-141	1.71e5	1.20	NO	0.967	10.000	44.12	44.12	1.000	1.000	NO	545.3		0.903	545.3
119	1... PCB-137	1.75e5	1.20	NO	0.987	10.000	44.50	44.52	1.009	1.009	NO	547.9		0.884	547.9
120	1... PCB-130	1.52e5	1.23	NO	0.840	10.000	44.61	44.63	1.012	1.012	NO	558.0		1.04	558.0
121	1... PCB-138/163/164	6.86e5	1.19	NO	1.23	10.000	45.01	45.01	1.001	1.001	NO	1666		0.676	1666
122	1... PCB-158/160	4.34e5	1.23	NO	1.18	10.000	45.25	45.26	1.006	1.006	NO	1096		0.703	1096
123	1... PCB-129	1.47e5	1.25	NO	0.819	10.000	45.50	45.50	1.012	1.012	NO	532.3		1.01	532.3
124	1... PCB-166	2.34e5	1.19	NO	1.07	10.000	45.98	45.98	0.993	0.993	NO	537.0		0.660	537.0
125	1... PCB-159	2.42e5	1.19	NO	1.12	10.000	46.32	46.32	1.000	1.000	NO	529.9		0.630	529.9
126	1... PCB-128/162	3.77e5	1.18	NO	0.851	10.000	46.60	46.62	1.007	1.007	NO	1087		0.829	1087
127	1... PCB-167	2.24e5	1.24	NO	1.04	10.000	47.02	47.02	1.000	1.000	NO	540.6		0.681	540.6
128	1... PCB-156	2.27e5	1.21	NO	1.06	10.000	48.34	48.34	1.000	1.000	NO	553.8		0.702	553.8
129	1... PCB-157	2.08e5	1.22	NO	0.978	10.000	48.65	48.63	1.001	1.000	NO	536.0		0.738	536.0
130	1... PCB-169	2.33e5	1.20	NO	1.11	10.000	50.90	50.90	1.000	1.000	NO	535.3		0.674	535.3
131	1... PCB-188	2.19e5	1.04	NO	1.19	10.000	43.00	42.98	1.001	1.000	NO	525.6		0.749	525.6
132	1... PCB-184	2.09e5	1.05	NO	1.17	10.000	43.44	43.44	1.011	1.011	NO	513.4		0.766	513.4
133	1... PCB-179	2.20e5	1.02	NO	1.18	10.000	44.25	44.25	1.030	1.030	NO	535.8		0.760	535.8
134	1... PCB-176	2.17e5	1.03	NO	1.16	10.000	44.72	44.72	1.041	1.041	NO	534.7		0.771	534.7
135	1... PCB-186	2.24e5	1.03	NO	1.22	10.000	45.33	45.35	1.055	1.056	NO	527.0		0.734	527.0
136	1... PCB-178	1.51e5	1.04	NO	0.830	10.000	45.84	45.86	1.067	1.067	NO	520.7		1.08	520.7
137	1... PCB-175	1.52e5	1.05	NO	0.849	10.000	46.20	46.22	1.075	1.076	NO	512.8		1.05	512.8
138	1... PCB-182/187	3.49e5	1.02	NO	0.960	10.000	46.40	46.41	1.080	1.080	NO	1039		0.931	1039
139	1... PCB-183	1.64e5	0.99	NO	0.957	10.000	46.73	46.73	1.088	1.088	NO	491.3		0.934	491.3
140	1... PCB-185	1.48e5	1.04	NO	1.32	10.000	47.41	47.40	0.955	0.955	NO	521.3		1.15	521.3

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.43e5	1.04	NO	1.22	10.000	47.78	47.78	0.962	0.962	NO	545.6		1.24	545.6
142	1... PCB-181	1.58e5	1.04	NO	1.41	10.000	47.88	47.89	0.964	0.965	NO	516.6		1.07	516.6
143	1... PCB-177	1.38e5	1.04	NO	1.24	10.000	48.06	48.06	0.968	0.968	NO	513.9		1.22	513.9
144	1... PCB-171	1.38e5	1.04	NO	1.24	10.000	48.35	48.36	0.974	0.974	NO	516.3		1.22	516.3
145	1... PCB-173	1.28e5	1.01	NO	1.14	10.000	48.79	48.80	0.983	0.983	NO	518.0		1.33	518.0
146	1... PCB-172	1.48e5	1.05	NO	1.31	10.000	49.27	49.27	0.992	0.992	NO	525.0		1.16	525.0
147	1... PCB-192	1.92e5	1.03	NO	1.70	10.000	49.46	49.46	0.996	0.996	NO	521.7		0.891	521.7
148	1... PCB-180	1.53e5	1.02	NO	1.32	10.000	49.67	49.69	1.000	1.001	NO	538.5		1.15	538.5
149	1... PCB-193	1.84e5	1.02	NO	1.54	10.000	49.90	49.90	1.005	1.005	NO	554.5		0.985	554.5
150	1... PCB-191	1.89e5	1.04	NO	1.57	10.000	50.14	50.16	1.010	1.010	NO	556.2		0.963	556.2
151	1... PCB-170	1.32e5	1.03	NO	1.36	10.000	51.34	51.34	1.000	1.000	NO	526.3		1.31	526.3
152	1... PCB-190	1.78e5	1.06	NO	1.84	10.000	51.52	51.54	1.004	1.004	NO	524.6		0.971	524.6
153	1... PCB-189	1.91e5	1.02	NO	1.33	10.000	53.08	53.08	1.000	1.000	NO	538.1		0.793	538.1
154	1... PCB-202	1.51e5	0.89	NO	1.02	10.000	48.59	48.57	1.001	1.000	NO	547.9		0.315	547.9
155	1... PCB-201	1.37e5	0.88	NO	0.915	10.000	49.08	49.06	1.011	1.011	NO	556.2		0.353	556.2
156	1... PCB-204	1.52e5	0.90	NO	0.979	10.000	49.22	49.23	1.014	1.014	NO	576.2		0.330	576.2
157	1... PCB-197	1.50e5	0.90	NO	0.979	10.000	49.54	49.54	1.020	1.020	NO	568.2		0.330	568.2
158	1... PCB-200	1.48e5	0.89	NO	0.954	10.000	50.49	50.48	1.040	1.040	NO	575.7		0.338	575.7
159	1... PCB-198	1.12e5	0.89	NO	0.748	10.000	52.04	52.06	1.072	1.072	NO	554.3		0.432	554.3
160	1... PCB-199	1.15e5	0.90	NO	0.706	10.000	52.16	52.17	1.074	1.075	NO	605.8		0.457	605.8
161	1... PCB-196/203	2.42e5	0.89	NO	0.785	10.000	52.48	52.49	1.081	1.081	NO	1148		0.412	1148
162	1... PCB-195	1.58e5	0.88	NO	1.03	10.000	53.80	53.78	0.984	0.983	NO	502.0		0.494	502.0
163	1... PCB-194	1.84e5	0.87	NO	1.16	10.000	54.72	54.72	1.000	1.000	NO	523.1		0.442	523.1
164	1... PCB-205	2.28e5	0.89	NO	1.40	10.000	54.98	55.00	1.005	1.005	NO	534.9		0.364	534.9
165	1... PCB-208	1.83e5	1.31	NO	0.934	10.000	53.95	53.94	1.000	1.000	NO	522.9		0.308	522.9
166	1... PCB-207	1.76e5	1.31	NO	0.912	10.000	54.26	54.28	1.006	1.007	NO	514.7		0.315	514.7
167	1... PCB-206	1.36e5	1.30	NO	0.987	10.000	56.24	56.24	1.000	1.000	NO	532.0		0.398	532.0
168	1... PCB-209	1.28e5	1.24	NO	0.943	10.000	57.47	57.48	1.000	1.000	NO	526.9		0.0997	526.9
169	1... 13C-PCB-1	6.18e5	3.48	NO	1.08	10.000	15.51	15.50	0.608	0.608	NO	509.9	51.0	0.844	
170	1... 13C-PCB-3	6.75e5	3.25	NO	1.09	10.000	18.16	18.14	0.712	0.712	NO	549.6	55.0	0.834	
171	1... 13C-PCB-4	4.68e5	1.60	NO	0.640	10.000	19.52	19.50	0.765	0.765	NO	649.5	65.0	0.423	
172	1... 13C-PCB-9	7.70e5	1.60	NO	0.995	10.000	21.34	21.32	0.837	0.836	NO	687.4	68.7	0.272	
173	1... 13C-PCB-11	8.24e5	1.61	NO	0.971	10.000	24.79	24.78	0.972	0.972	NO	753.1	75.3	0.278	
174	1... 13C-PCB-19	4.10e5	0.99	NO	0.637	10.000	23.75	23.74	0.931	0.931	NO	571.1	57.1	3.41	
175	1... 13C-PCB-32	6.05e5	1.00	NO	0.910	10.000	26.74	26.73	1.048	1.048	NO	590.4	59.0	2.39	
176	1... 13C-PCB-28	7.22e5	0.98	NO	1.07	10.000	28.74	28.75	1.004	1.004	NO	747.3	74.7	3.38	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-3.qld

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Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	6.88e5	0.97	NO	0.959	10.000	32.72	32.73	1.143	1.143	NO	793.7	79.4	3.77	
178	1... 13C-PCB-54	5.26e5	0.74	NO	1.10	10.000	27.59	27.57	0.753	0.752	NO	764.7	76.5	1.14	
179	1... 13C-PCB-52	4.35e5	0.76	NO	0.844	10.000	31.25	31.24	0.853	0.852	NO	822.2	82.2	1.49	
180	1... 13C-PCB-47	4.68e5	0.78	NO	0.893	10.000	31.77	31.74	0.867	0.866	NO	837.4	83.7	1.41	
181	1... 13C-PCB-70	5.22e5	0.74	NO	1.01	10.000	35.39	35.39	0.965	0.965	NO	827.5	82.7	1.25	
182	1... 13C-PCB-80	5.43e5	0.76	NO	1.05	10.000	35.82	35.82	0.977	0.977	NO	829.6	83.0	1.20	
183	1... 13C-PCB-81	5.16e5	0.76	NO	0.985	10.000	39.02	39.02	1.064	1.064	NO	836.1	83.6	1.28	
184	1... 13C-PCB-77	5.12e5	0.78	NO	0.958	10.000	39.63	39.63	1.081	1.081	NO	853.9	85.4	1.31	
185	1... 13C-PCB-104	4.16e5	1.62	NO	1.10	10.000	32.43	32.41	0.827	0.826	NO	812.7	81.3	0.511	
186	1... 13C-PCB-95	3.26e5	1.62	NO	0.852	10.000	35.68	35.69	0.910	0.910	NO	819.9	82.0	0.657	
187	1... 13C-PCB-101	3.27e5	1.61	NO	0.814	10.000	37.43	37.44	0.954	0.954	NO	861.1	86.1	0.688	
188	1... 13C-PCB-97	2.76e5	1.63	NO	0.709	10.000	38.78	38.78	0.989	0.989	NO	835.5	83.5	0.790	
189	1... 13C-PCB-123	3.80e5	1.63	NO	0.922	10.000	41.42	41.42	1.056	1.056	NO	884.6	88.5	0.608	
190	1... 13C-PCB-118	4.03e5	1.64	NO	0.975	10.000	41.60	41.60	1.061	1.061	NO	887.3	88.7	0.575	
191	1... 13C-PCB-114	4.63e5	1.56	NO	1.52	10.000	42.29	42.28	0.908	0.908	NO	955.1	95.5	0.883	
192	1... 13C-PCB-105	4.99e5	1.54	NO	1.58	10.000	43.18	43.17	0.927	0.927	NO	988.7	98.9	0.848	
193	1... 13C-PCB-127	5.08e5	1.52	NO	1.62	10.000	43.52	43.53	0.934	0.935	NO	982.4	98.2	0.828	
194	1... 13C-PCB-126	4.56e5	1.53	NO	1.45	10.000	45.49	45.48	0.976	0.976	NO	989.4	98.9	0.928	
195	1... 13C-PCB-155	3.12e5	1.28	NO	1.03	10.000	36.97	36.95	0.943	0.942	NO	652.6	65.3	0.238	
196	1... 13C-PCB-153	4.01e5	1.25	NO	1.42	10.000	43.35	43.34	0.931	0.930	NO	883.5	88.4	0.860	
197	1... 13C-PCB-141	3.24e5	1.26	NO	1.14	10.000	44.10	44.10	0.947	0.947	NO	888.4	88.8	1.07	
198	1... 13C-PCB-138	3.36e5	1.26	NO	1.18	10.000	44.98	44.97	0.966	0.965	NO	892.8	89.3	1.04	
199	1... 13C-PCB-159	4.08e5	1.28	NO	1.43	10.000	46.29	46.30	0.994	0.994	NO	893.3	89.3	0.854	
200	2... 13C-PCB-167	3.97e5	1.26	NO	1.42	10.000	47.01	47.00	1.009	1.009	NO	874.4	87.4	0.860	
201	2... 13C-PCB-156	3.88e5	1.31	NO	1.40	10.000	48.31	48.33	1.037	1.037	NO	871.8	87.2	0.876	
202	2... 13C-PCB-157	3.97e5	1.27	NO	1.41	10.000	48.61	48.61	1.044	1.044	NO	884.9	88.5	0.871	
203	2... 13C-PCB-169	3.93e5	1.26	NO	1.35	10.000	50.88	50.88	1.092	1.092	NO	915.8	91.6	0.910	
204	2... 13C-PCB-188	3.50e5	0.45	NO	1.46	10.000	42.98	42.96	0.927	0.926	NO	935.6	93.6	0.814	
205	2... 13C-PCB-180	2.16e5	0.45	NO	0.932	10.000	49.65	49.65	1.070	1.070	NO	906.4	90.6	1.28	
206	2... 13C-PCB-170	1.85e5	0.45	NO	0.796	10.000	51.31	51.32	1.106	1.106	NO	907.9	90.8	1.50	
207	2... 13C-PCB-189	2.66e5	0.44	NO	1.09	10.000	53.03	53.06	1.143	1.144	NO	954.0	95.4	1.09	
208	2... 13C-PCB-202	2.69e5	0.92	NO	1.45	10.000	48.54	48.55	1.042	1.042	NO	725.8	72.6	0.489	
209	2... 13C-PCB-194	3.04e5	0.89	NO	0.714	10.000	54.71	54.70	0.995	0.995	NO	901.2	90.1	0.773	
210	2... 13C-PCB-208	3.74e5	0.79	NO	0.896	10.000	53.96	53.93	0.982	0.981	NO	881.7	88.2	0.806	
211	2... 13C-PCB-206	2.59e5	0.84	NO	0.653	10.000	56.22	56.23	1.023	1.023	NO	839.4	83.9	1.11	
212	2... 13C-PCB-209	2.57e5	1.17	NO	0.806	10.000	57.48	57.47	1.045	1.045	NO	675.5	67.5	0.135	

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-3.qld

Last Altered: Friday, October 11, 2019 09:47:10 Pacific Daylight Time
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Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.13e6	1.60	NO	1.00	10.000	25.49	25.50	1.000	0.000	NO	1000	100	0.271	
214	2... 13C-PCB-31	9.04e5	1.00	NO	1.00	10.000	28.64	28.64	1.000	0.000	NO	1000	100	3.61	
215	2... 13C-PCB-60	6.26e5	0.78	NO	1.00	10.000	36.66	36.65	1.000	0.000	NO	1000	100	1.26	
216	2... 13C-PCB-111	4.66e5	1.55	NO	1.00	10.000	39.22	39.22	1.000	0.000	NO	1000	100	0.560	
217	2... 13C-PCB-128	3.19e5	1.29	NO	1.00	10.000	46.58	46.58	1.000	0.000	NO	1000	100	1.22	
218	2... 13C-PCB-182	2.55e5	0.46	NO	1.00	10.000	46.41	46.39	0.000	0.000	NO	1000	100	1.19	
219	2... 13C-PCB-205	4.73e5	0.91	NO	1.00	10.000	54.98	54.98	1.000	0.000	NO	1000	100	0.551	
220	2... 13C-PCB-79	5.42e5	0.76	NO	1.03	10.000	37.75	37.75	1.030	1.030	NO	838.3	83.8	1.22	
221	2... 13C-PCB-178	2.07e5	0.44	NO	0.875	10.000	45.84	45.84	0.988	0.988	NO	742.3	74.2	1.10	
222	2... 13C-PCB-79	5.42e5	0.76	NO	1.05	10.000	37.75	37.75	0.967	0.968	NO	1005	100	1.47	
223	2... 13C-PCB-178	2.07e5	0.44	NO	0.975	10.000	45.86	45.84	0.924	0.923	NO	984.0	98.4	1.46	

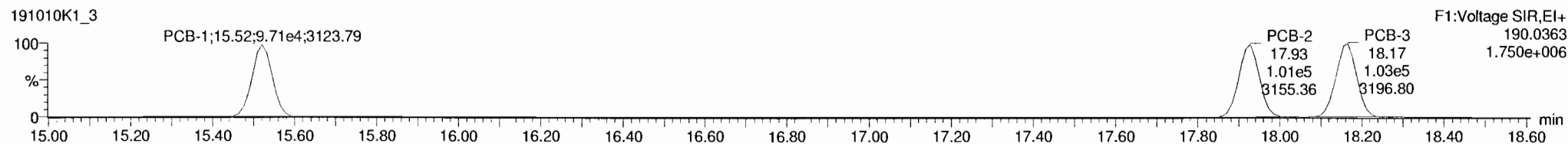
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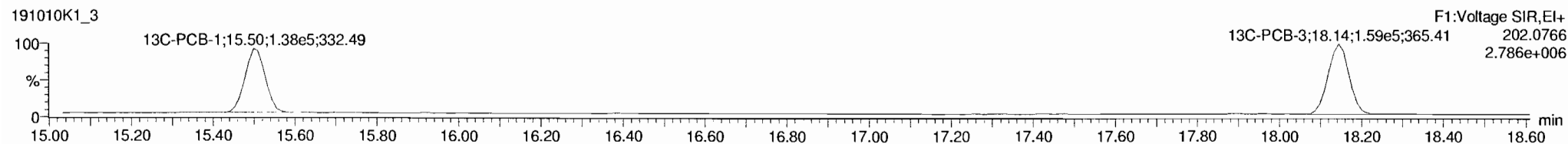
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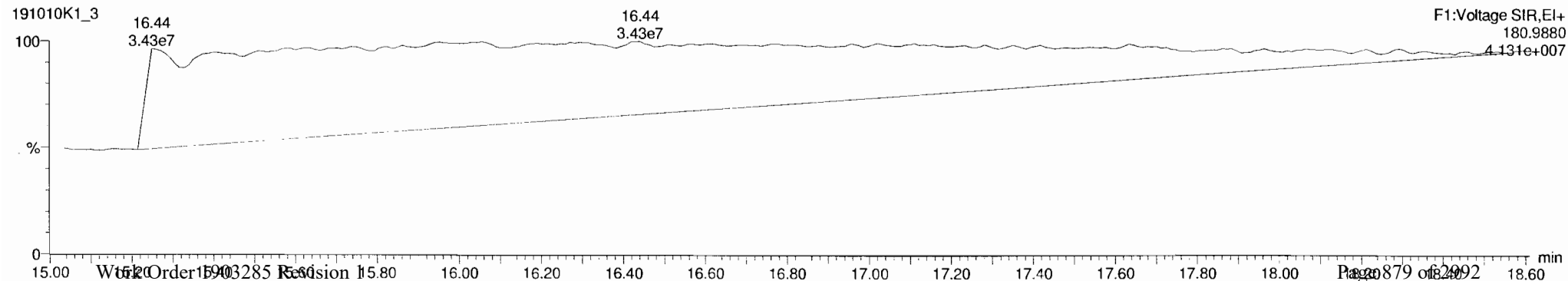
PCB-1



13C-PCB-1



PFK1



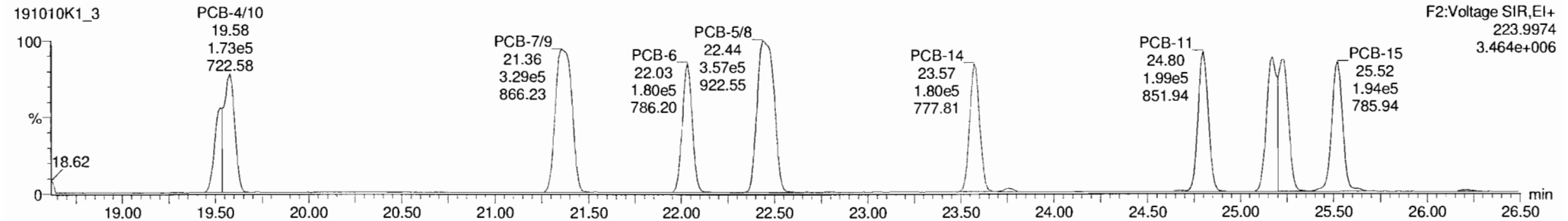
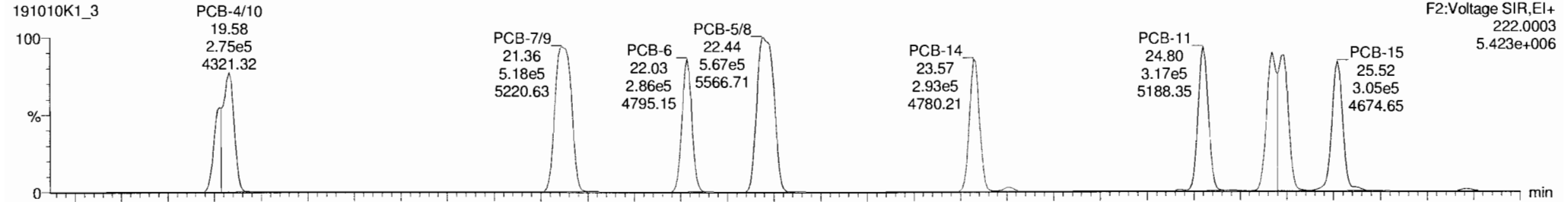
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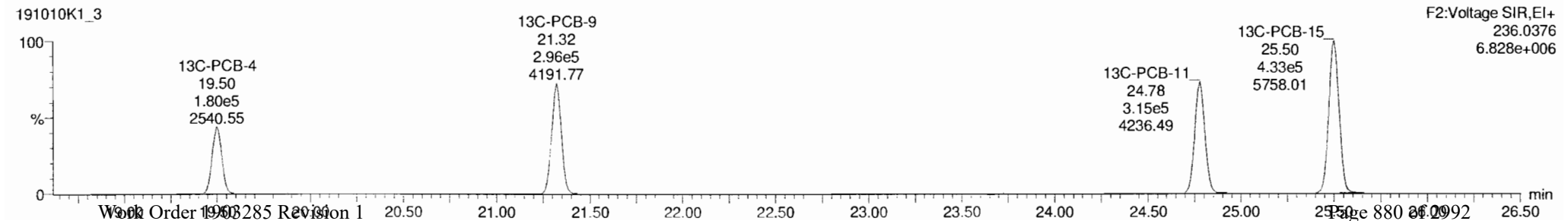
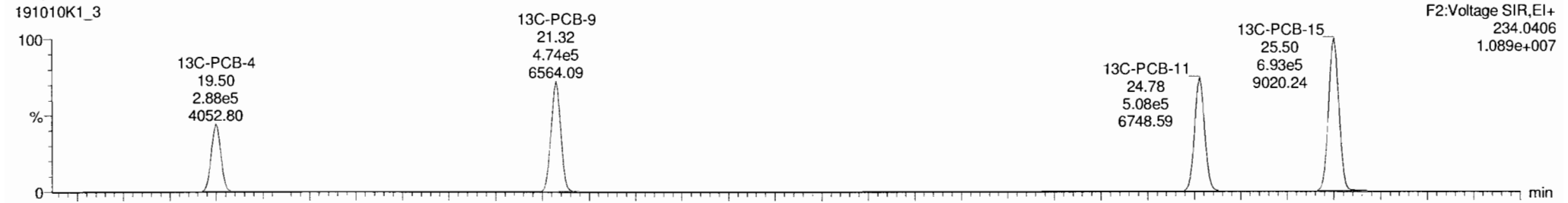
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PCB-4/10

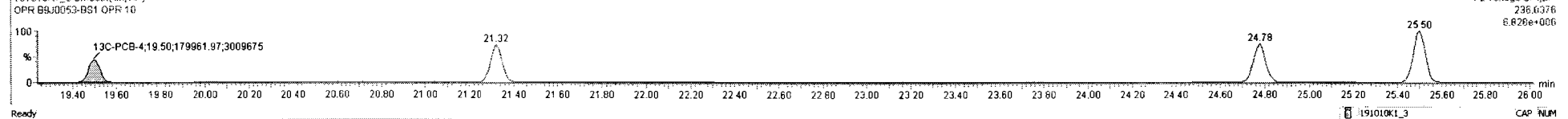
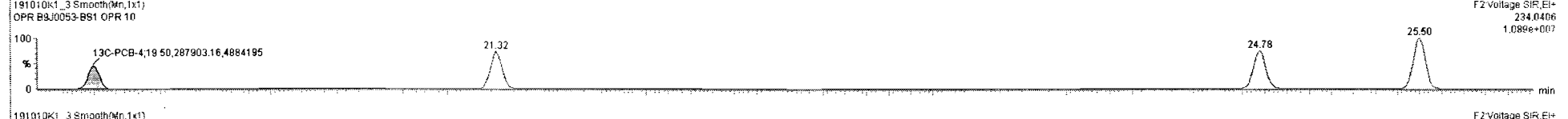
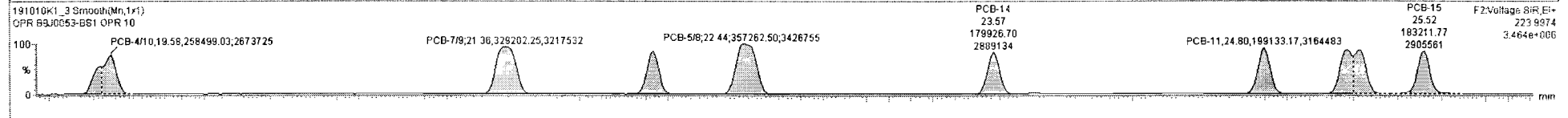
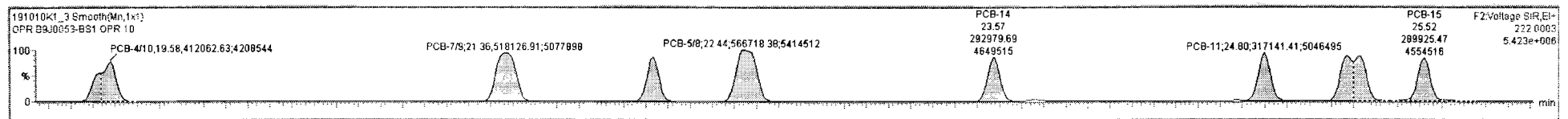


13C-PCB-4



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/Vol	Pred RT	RT	RR1	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
222	13C-PCB-75	5.42e5	5.16e5	183	0.75	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	984.0	98.4	1.46	
224	Total Mono-PCBs							10.000	0.00		0.000	0.000	NO	1890		0.634	1890
225	Total Di-PCBs							10.000	0.00		0.000	0.000	NO	6841		5.82	6841
226	2nd Function Tri-PCBs							10.000	0.00		0.000	0.000	NO	4698		1.77	4698
227	3rd Function Tri-PCBs							10.000	0.00		0.000	0.000	NO	9016		5.85	9016
228	Total Tetra-PCBs							10.000	0.00		0.000	0.000	NO	23270		17.5	23270
229	3rd Function Penta-PCBs							10.000	0.00		0.000	0.000	NO	20820		95.2	22550
230	4th Function Penta-PCBs							10.000	0.00		0.000	0.000	NO	2821		3.85	2621
231	3rd Function Hexa-PCBs							10.000	0.00		0.000	0.000	NO	7775		4.53	7775
232	4th Function Hexa-PCBs							10.000	0.00		0.000	0.000	NO	15310		15.8	15310

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc	Prmal	1% Det
4	PCB-4/10	19.58	19.58	4.121e5	2.585e5	1.560	1.59	NO	1123.8	1123.8	MM	MM
5	PCB-7/9	21.38	21.36	5.181e5	3.292e5	1.560	1.57	NO	1127.0	1127.0	bb	bb
6	PCB-8	22.03	22.03	2.856e5	1.804e5	1.560	1.58	NO	594.91	594.91	bb	bb
7	PCB-5/8	22.44	22.44	5.667e5	3.573e5	1.560	1.59	NO	1186.4	1186.4	bb	bb
8	PCB-14	23.59	23.57	2.930e5	1.799e5	1.560	1.63	NO	555.97	555.97	bd	bb
9	PCB-11	24.80	24.80	3.171e5	1.991e5	1.560	1.59	NO	571.98	571.98	db	db
10	PCB-12/13	25.23	25.17	5.918e5	3.685e5	1.560	1.61	NO	1122.1	1122.1	MM	MM



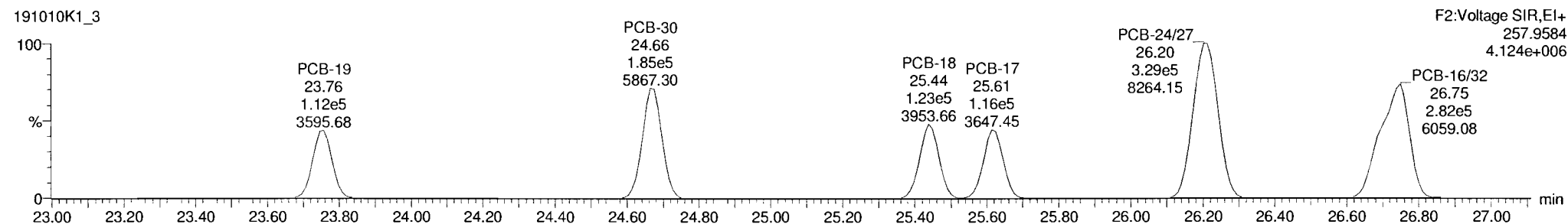
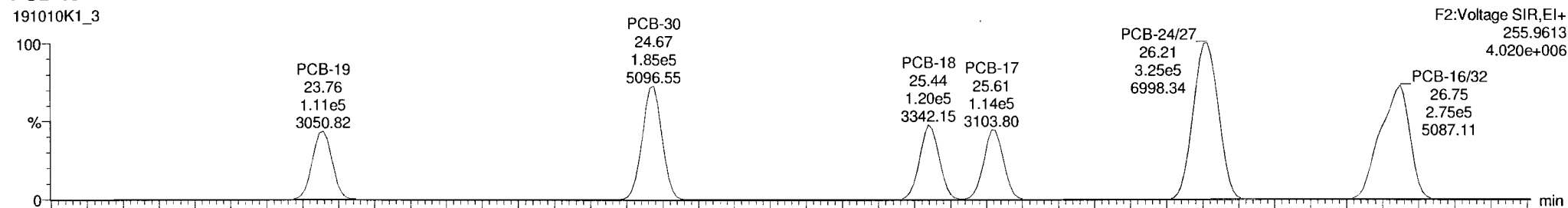
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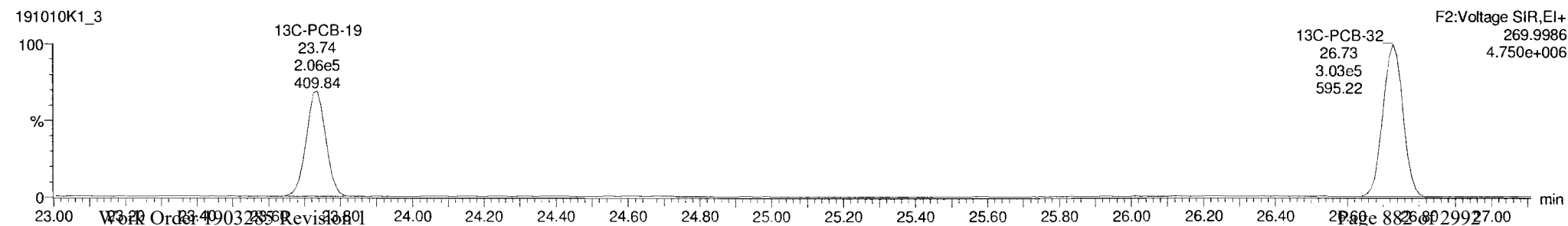
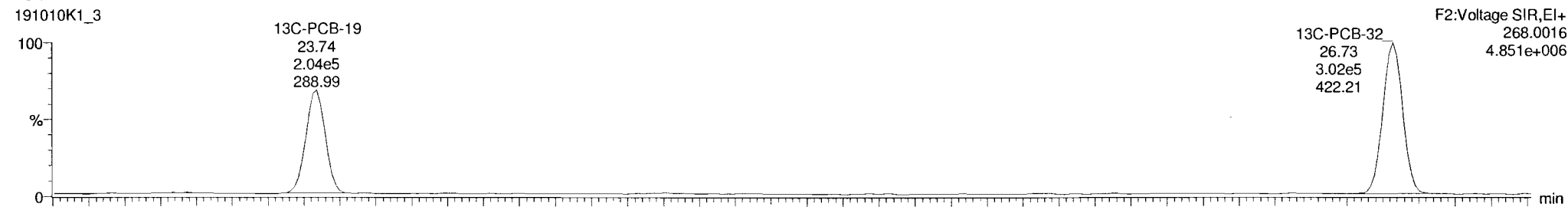
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Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-19



13C-PCB-19



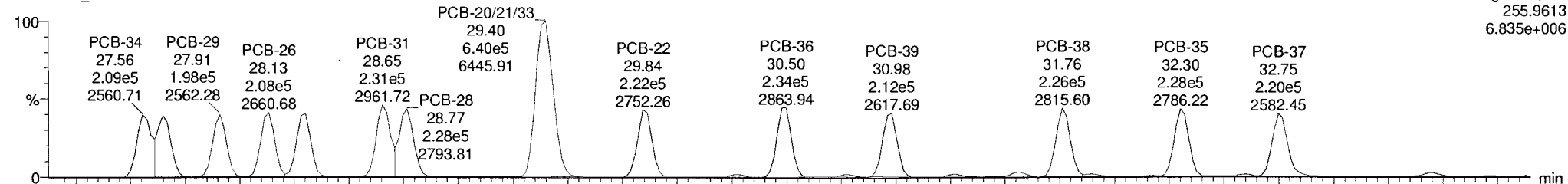
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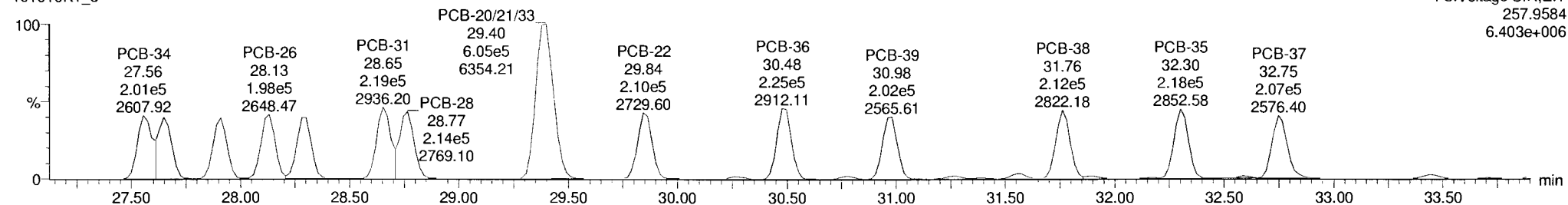
PCB-34

191010K1_3



F3:Voltage SIR, EI+
255.9613
6.835e+006

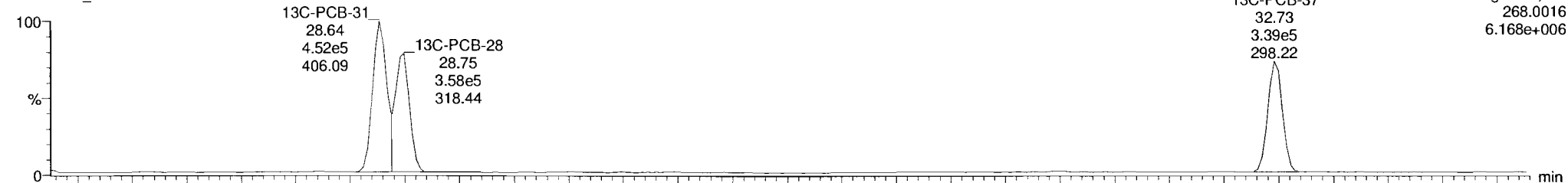
191010K1_3



F3:Voltage SIR, EI+
257.9584
6.403e+006

13C-PCB-28

191010K1_3



F3:Voltage SIR, EI+
268.0016
6.168e+006

191010K1_3

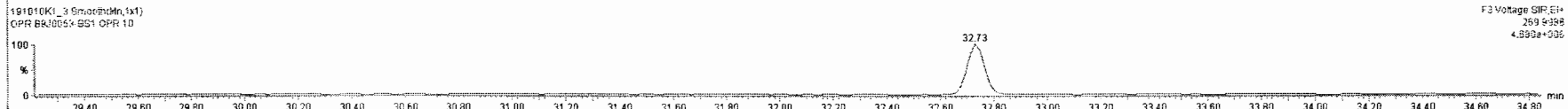
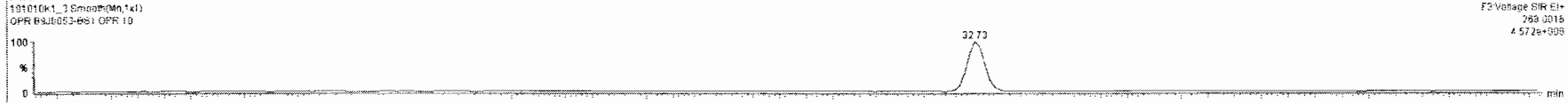
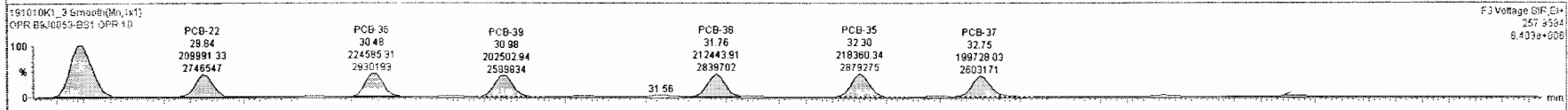
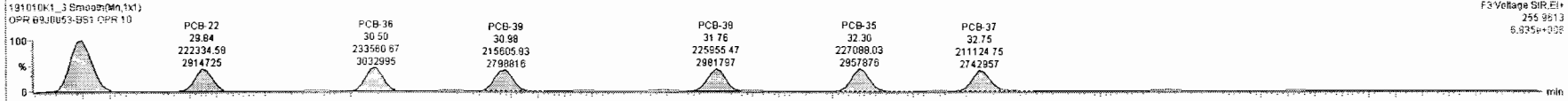


F3:Voltage SIR, EI+
269.9986
6.080e+006

191010K1_3_B9J0653-BS1 OPR 10 - OPR

#	Name	Resp	IS Resp	IS#	RA	n/y	RRT	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
222	13C-PCB-79	5.42e5	5.16e5	183	0.76	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	584.0	58.4	1.46	
224	Total Mono-PCBs							10.000	0.00			0.000	NO	1890		0.634	1890
225	Total Di-PCBs							10.000	0.00			0.000	NO	6841		5.82	6841
226	2nd Function Tri-PCBs							10.000	0.00			0.000	NO	4688		1.77	4688
227	3rd Function Tri-PCBs							10.000	0.00			0.000	NO	9001		5.85	9001
228	Total Tetra-PCBs							10.000	0.00			0.000	NO	23270		17.5	23270
229	3rd Function Penta-PCBs							10.000	0.00			0.000	NO	20820		95.2	22550
230	4th Function Penta-PCBs							10.000	0.00			0.000	NO	2821		3.85	2821
231	3rd Function Hexa-PCBs							10.000	0.00			0.000	NO	7775		4.53	7775
232	4th Function Hexa-PCBs							10.000	0.00			0.000	NO	15310		15.8	15310

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc	Primar	1° Det
18	PCB-34	27.57	27.58	2.089e5	2.012e5	1.040	1.04	NO	575.19	575.19	bd	bd
19	PCB-23	27.86	27.65	1.914e5	1.793e5	1.040	1.07	NO	526.95	526.55	dd	dd
20	PCB-29	27.93	27.91	1.984e5	1.860e5	1.040	1.07	NO	558.15	558.15	dd	dd
21	PCB-26	28.14	28.13	2.076e5	1.979e5	1.040	1.05	NO	560.91	560.91	dd	dd
22	PCB-25	28.31	28.30	2.081e5	1.953e5	1.040	1.07	NO	572.63	572.63	db	db
23	PCB-31	28.68	28.65	2.313e5	2.193e5	1.040	1.05	NO	555.60	555.60	bd	bd
24	PCB-28	28.76	28.76	2.280e5	2.136e5	1.040	1.07	NO	552.99	552.99	db	db



Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

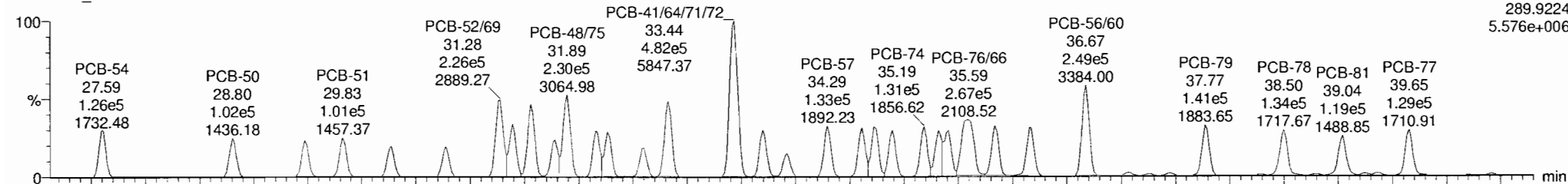
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-54

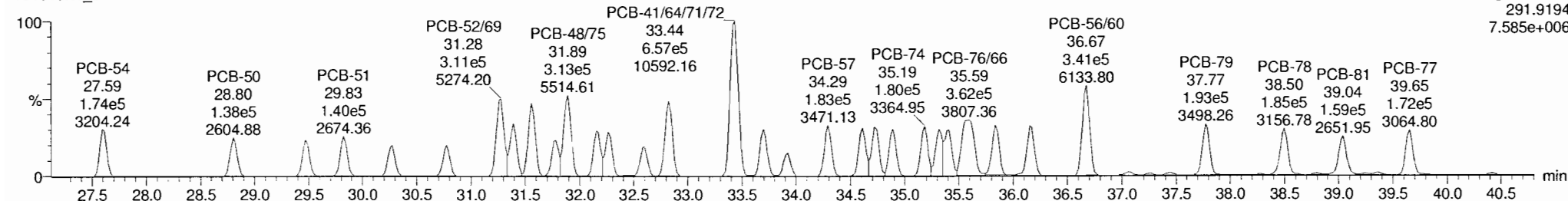
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F3:Voltage SIR,EI+
289.9224
5.576e+006



191010K1_3

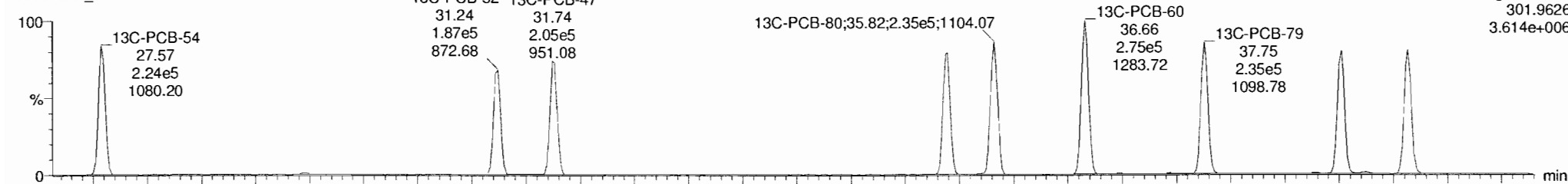
F3:Voltage SIR,EI+
291.9194
7.585e+006



13C-PCB-54

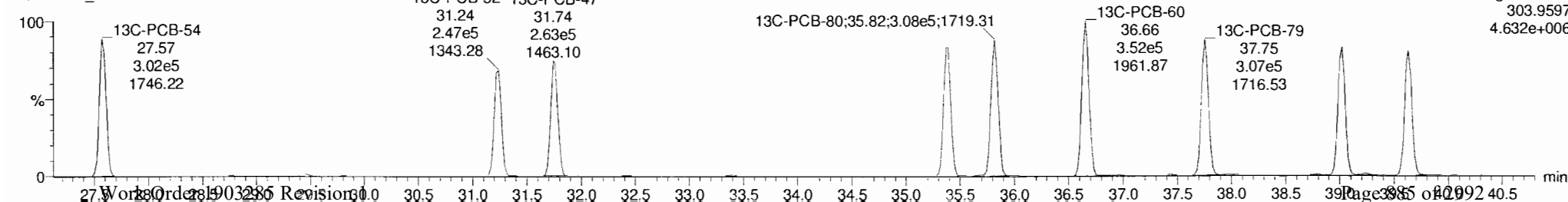
191010K1_3

F3:Voltage SIR,EI+
301.9626
3.614e+006



191010K1_3

F3:Voltage SIR,EI+
303.9597
4.632e+006



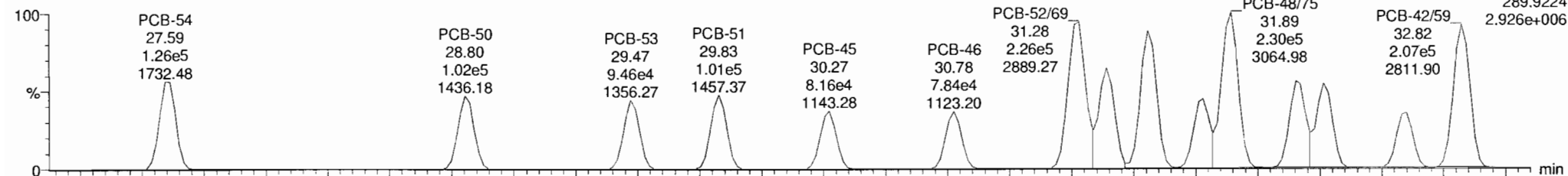
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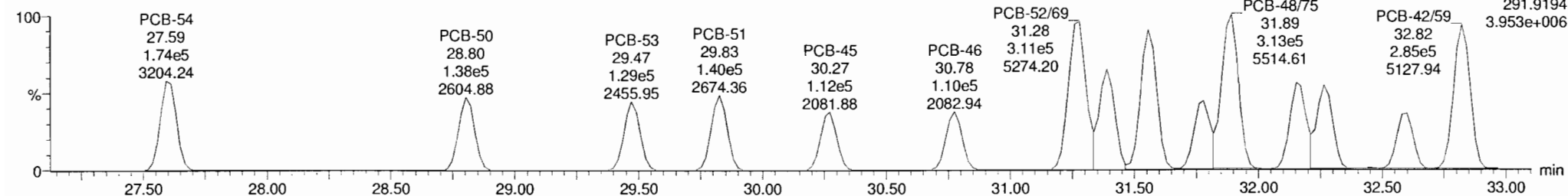
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PCB-50

191010K1_3

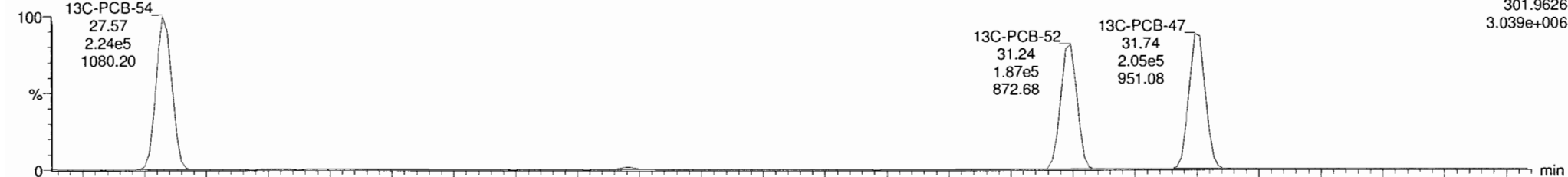


191010K1_3



13C-PCB-52

191010K1_3



191010K1_3



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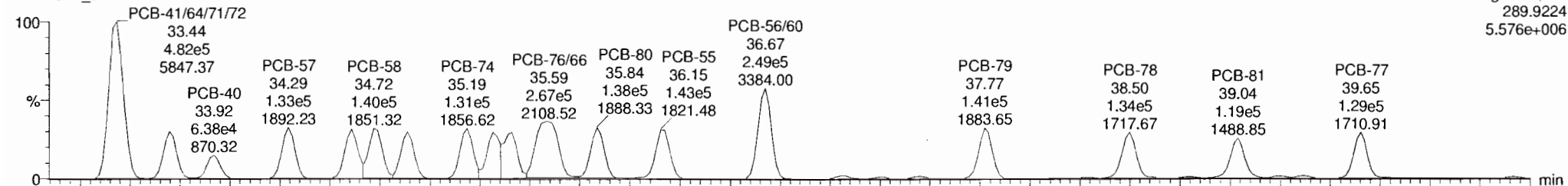
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Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

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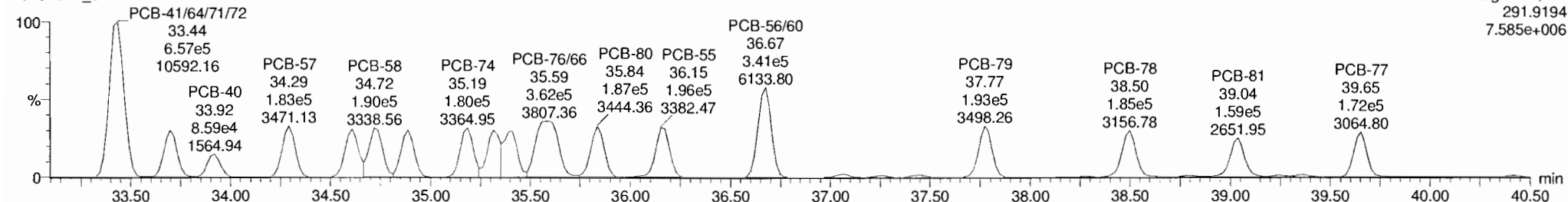
PCB-68

191010K1_3



F3:Voltage SIR,EI+
289.9224
5.576e+006

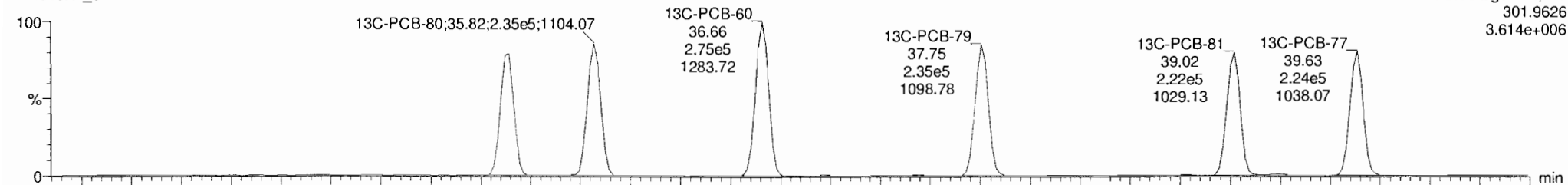
191010K1_3



F3:Voltage SIR,EI+
291.9194
7.585e+006

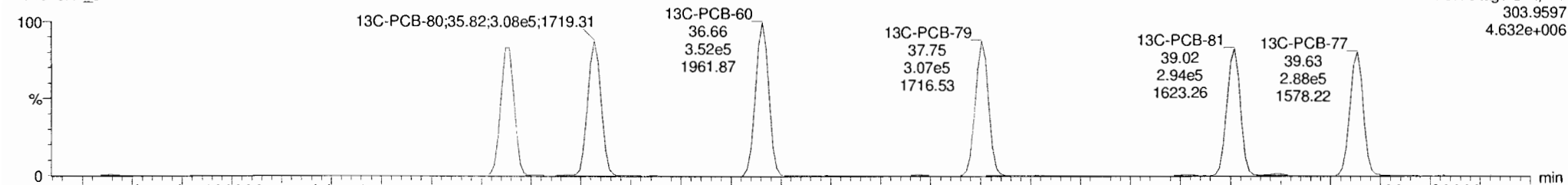
13C-PCB-60

191010K1_3



F3:Voltage SIR,EI+
301.9626
3.614e+006

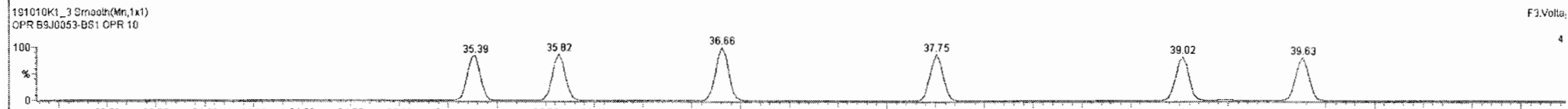
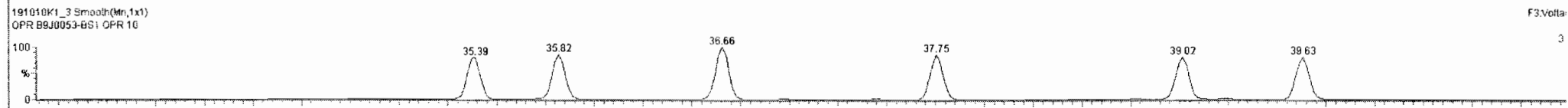
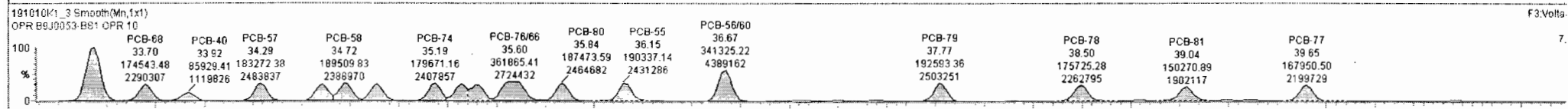
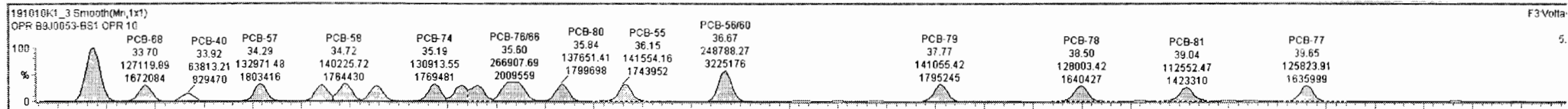
191010K1_3



F3:Voltage SIR,EI+
303.9597
4.632e+006

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/Vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
222	13C-PCB-79	5.42e5	5.16e5	183	0.76	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	964.0	98.4	1.46	
224	Total Mono-PCBs							10.000	0.00			0.000	NO	1890		0.634	1890
225	Total Di-PCBs							10.000	0.00			0.000	NO	6841		5.82	6841
226	2nd Function Tri-PCBs							10.000	0.00			0.000	NO	4688		1.77	4688
227	3rd Function Tri-PCBs							10.000	0.00			0.000	NO	9001		5.85	9001
228	Total Tetra-PCBs							10.000	0.00			0.000	NO	23730		17.5	23730
229	3rd Function Penta-PCBs							10.000	0.00			0.000	NO	20820		95.2	22590
230	4th Function Penta-PCBs							10.000	0.00			0.000	NO	2621		3.85	2621
231	3rd Function Hexa-PCBs							10.000	0.00			0.000	NO	7775		4.53	7775
232	4th Function Hexa-PCBs							10.000	0.00			0.000	NO	15310		15.8	15310

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc	Primar	1*Det
1	32 PCB-54	27.59	27.59	1.262e5	1.736e5	0.770	0.73	NO	572.53	572.53	bb	bb
2	33 PCB-50	28.79	28.80	1.017e5	1.381e5	0.770	0.74	NO	583.79	583.79	bb	bb
3	34 PCB-53	29.47	29.47	9.459e4	1.290e5	0.770	0.73	NO	538.64	538.64	bb	bb
4	35 PCB-51	29.82	29.83	1.014e5	1.401e5	0.770	0.72	NO	542.87	542.87	bb	bb
5	36 PCB-45	30.27	30.27	8.162e4	1.122e5	0.770	0.73	NO	552.03	552.03	bb	bb
6	37 PCB-46	30.77	30.77	7.842e4	1.095e5	0.770	0.72	NO	573.95	573.95	bb	bb
7	38 PCB-52/69	31.26	31.28	2.262e5	3.110e5	0.770	0.73	NO	1132.2	1132.2	bd	bd



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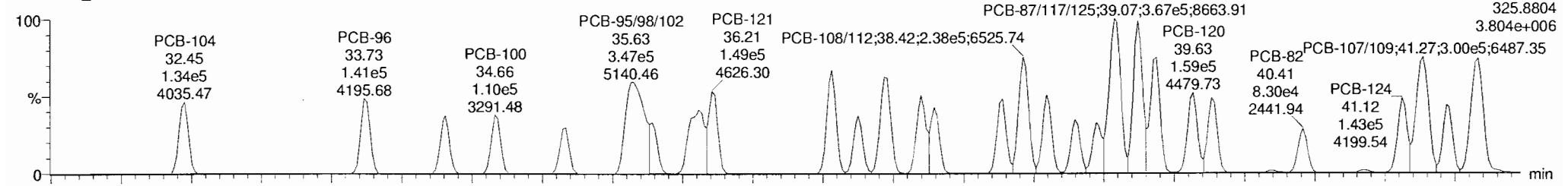
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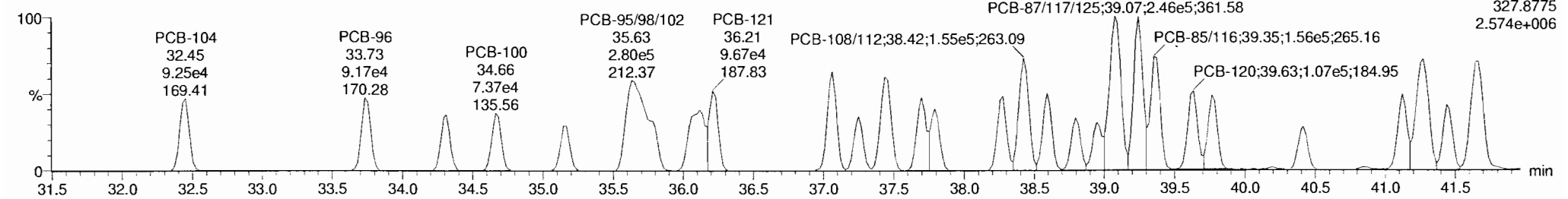
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PCB-104

191010K1_3

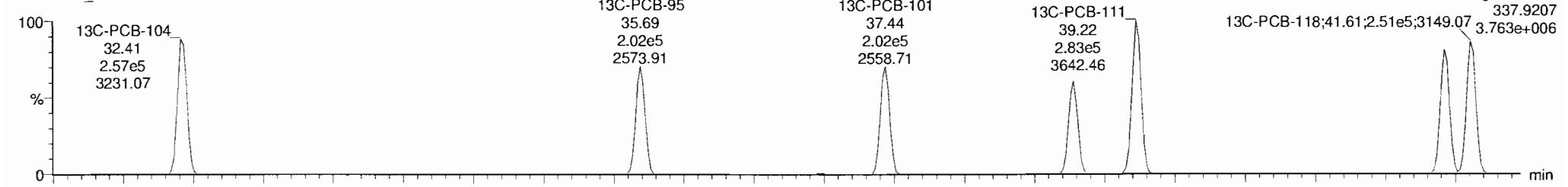


191010K1_3

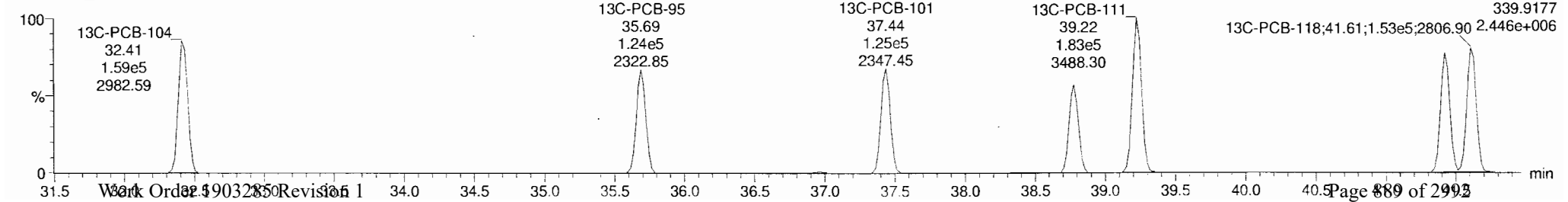


13C-PCB-104

191010K1_3



191010K1_3



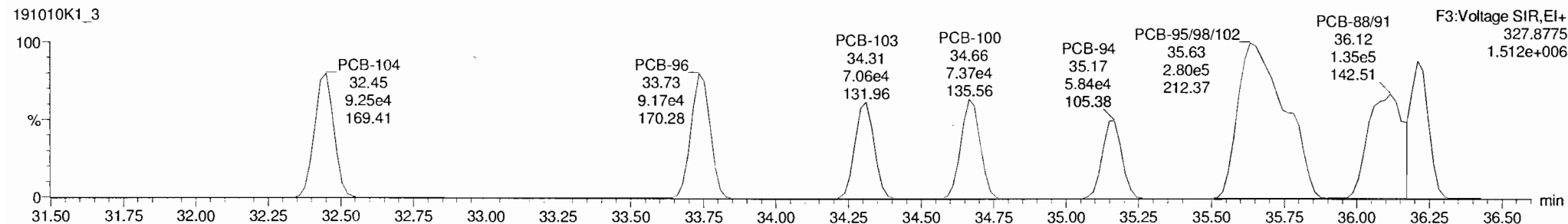
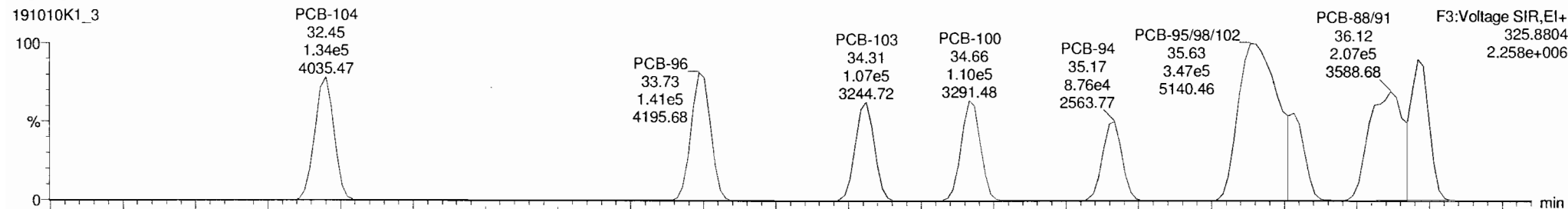
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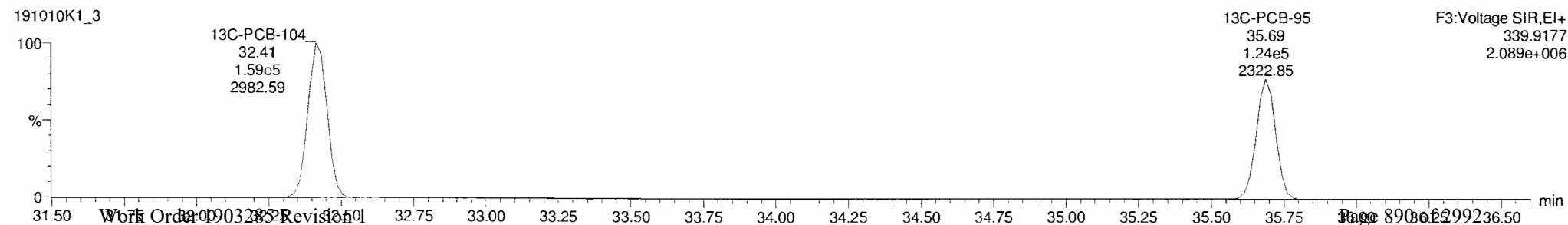
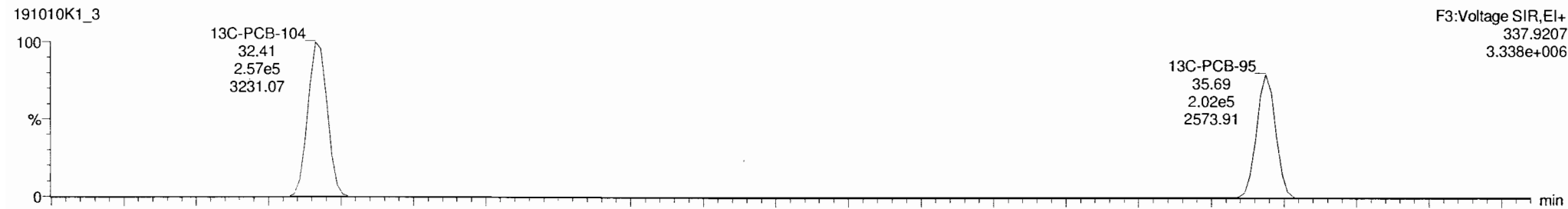
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-96



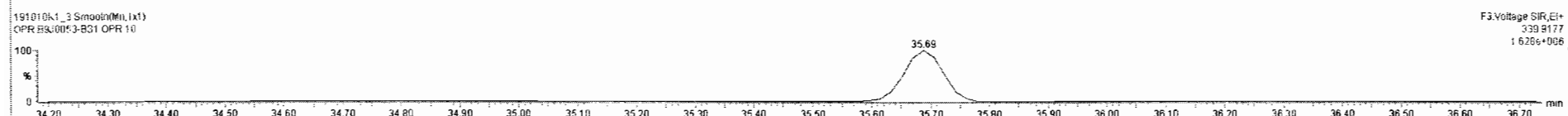
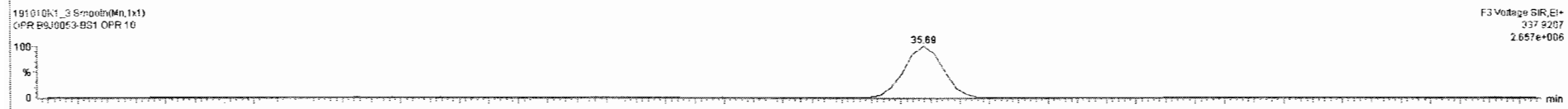
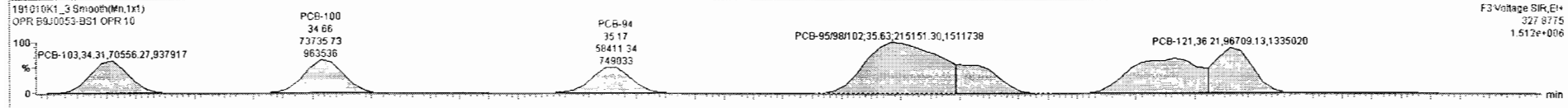
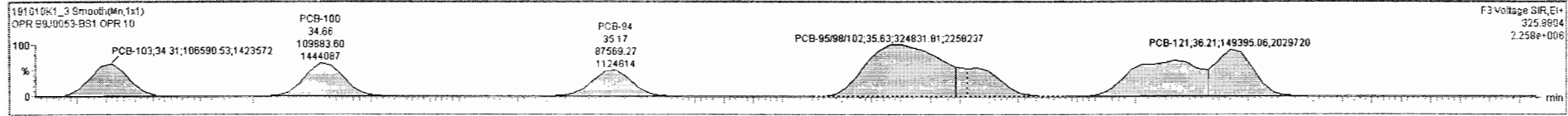
13C-PCB-95



191010K1_3-BQJ0053-B31 OPR 10 - OPR

#	Name	Resp	IS Resp	IS#	RA	nfy	PPF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
222	13C-PCB-79	5.42e5	5.18e5	183	0.76	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	984.0	98.4	1.46	
224	224 Total Mono-PCBs							10.000	0.00			0.000	NO	1090		0.634	1090
225	225 Total Di-PCBs							10.000	0.00			0.000	NO	6841		5.82	6841
226	226 2nd Function Tri-PCBs							10.000	0.00			0.000	NO	4688		1.77	4688
227	227 3rd Function Tri-PCBs							10.000	0.00			0.000	NO	9001		5.85	9001
228	228 Total Tetra-PCBs							10.000	0.00			0.000	NO	23730		17.5	23730
229	229 3rd Function Penta-PCBs							10.000	0.00			0.000	NO	23040		95.2	23040
230	230 4th Function Penta-PCBs							10.000	0.00			0.000	NO	2621		3.85	2621
231	231 3rd Function Hexa-PCBs							10.000	0.00			0.000	NO	7775		4.53	7775
232	232 4th Function Hexa-PCBs							10.000	0.00			0.000	NO	15310		15.8	15310

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nfy	EMPC	Conc	Primer	1° Det
1	64 PCB-104	32.43	32.45	1.344e5	9.252e4	1.560	1.45	NO	548.79	548.79	bb	bb
2	65 PCB-96	33.73	33.73	1.414e5	9.168e4	1.560	1.54	NO	563.00	563.00	bb	bb
3	66 PCB-103	34.29	34.31	1.066e5	7.056e4	1.560	1.51	NO	550.28	550.28	bb	bb
4	67 PCB-100	34.66	34.66	1.099e5	7.374e4	1.560	1.49	NO	567.95	567.95	bb	bb
5	68 PCB-94	35.17	35.17	8.757e4	5.841e4	1.560	1.50	NO	579.29	579.29	bb	bb
6	69 PCB-95/98/102	35.64	35.63	3.248e5	2.152e5	1.560	1.51	NO	1633.3	1633.3	MM	MM
7	70 PCB-93	35.77	35.74	9.894e4	6.529e4	1.560	1.53	NO	602.95	602.95	MM	MM



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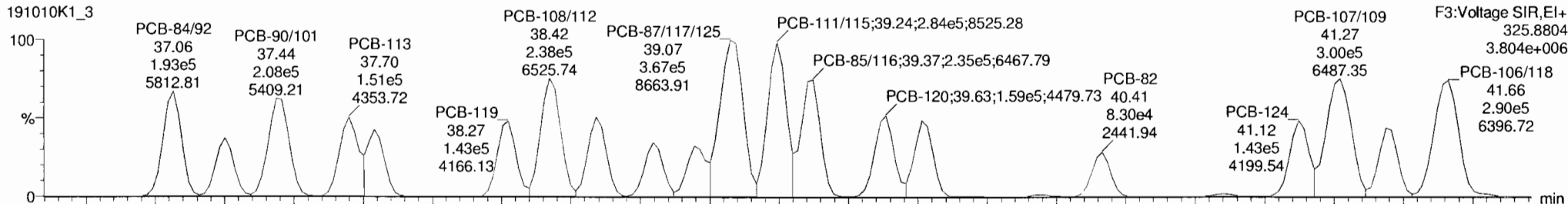
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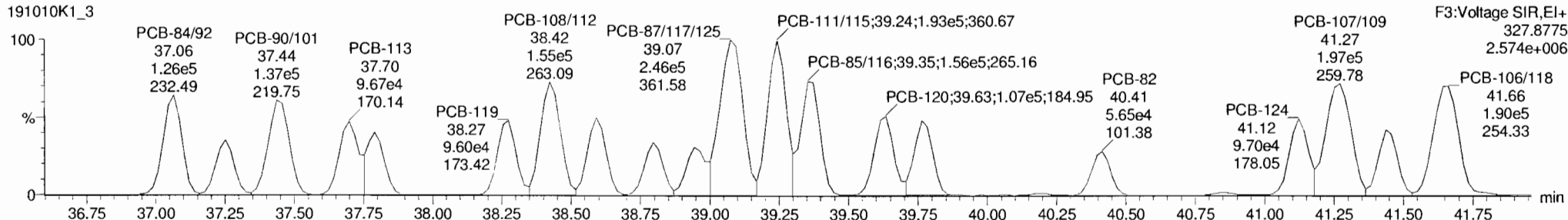
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PCB-119

191010K1_3

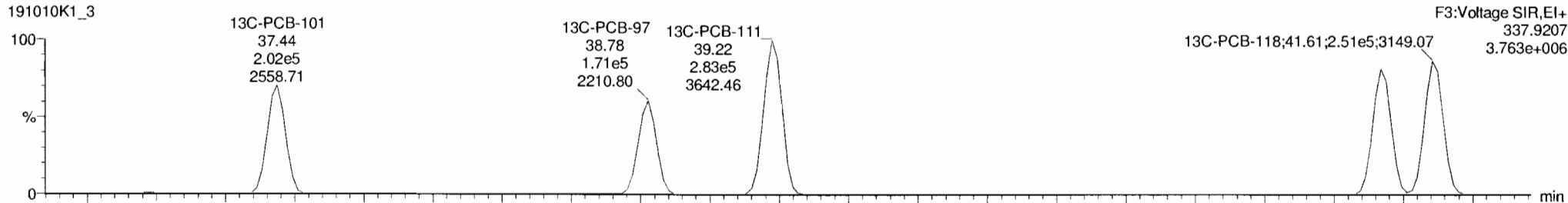


191010K1_3

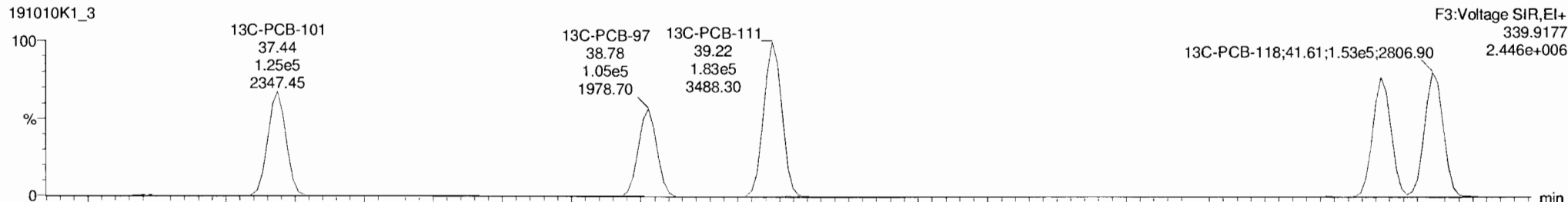


13C-PCB-111

191010K1_3



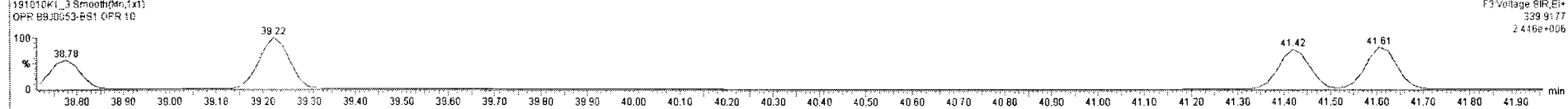
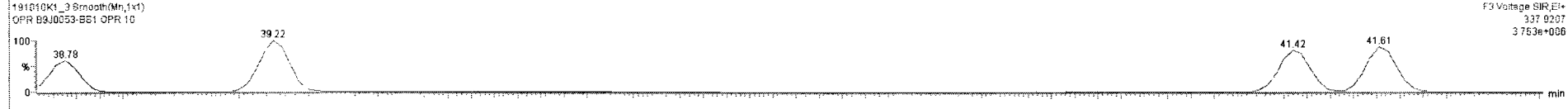
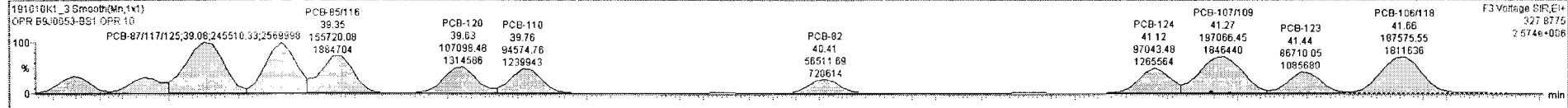
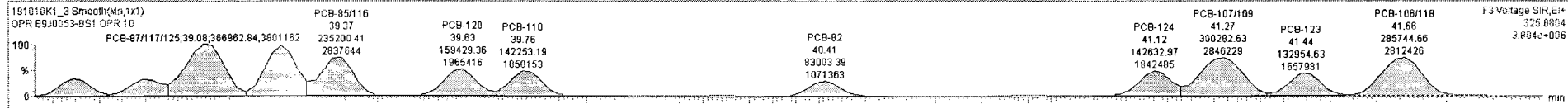
191010K1_3



191010K1_3 - B9J0053-BS1 OPR 10 - OPR

#	Name	Resp	IS Resp	IS#	RA	n/y	RF	wt/val	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	5.42e5	5.16e5	183	0.76	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	223 13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	984.0	98.4	1.46	
224	224 Total Mono-PCBs							10.000	0.00			0.000	NO	1690	0.634	1890	
225	225 Total Di-PCBs							10.000	0.00			0.000	NO	6841	5.62	6841	
226	226 2nd Function Tri-PCBs							10.000	0.00			0.000	NO	4688	1.77	4688	
227	227 3rd Function Tri-PCBs							10.000	0.00			0.000	NO	9001	5.85	9001	
228	228 Total Tetra-PCBs							10.000	0.00			0.000	NO	23730	17.5	23730	
229	229 3rd Function Penta-PCBs							10.000	0.00			0.000	NO	23040	95.2	23040	
230	230 4th Function Penta-PCBs							10.000	0.00			0.000	NO	2752	3.85	2752	
231	231 3rd Function Hexa-PCBs							10.000	0.00			0.000	NO	7775	4.53	7775	
232	232 4th Function Hexa-PCBs							10.000	0.00			0.000	NO	15310	15.8	15310	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1* Det
1	64 PCB-104	32.43	32.45	1.344e5	9.252e4	1.560	1.45	NO	548.79	549.79	bb	bb
2	65 PCB-96	33.73	33.73	1.414e5	9.168e4	1.560	1.54	NO	563.00	563.00	bb	bb
3	66 PCB-103	34.29	34.31	1.056e5	7.056e4	1.560	1.51	NO	550.28	550.28	bb	bb
4	67 PCB-100	34.66	34.66	1.099e5	7.374e4	1.560	1.49	NO	567.95	567.95	bb	bb
5	68 PCB-94	35.17	35.17	8.757e4	5.841e4	1.560	1.50	NO	579.29	579.29	bb	bb
6	69 PCB-95/98/102	35.64	35.63	3.249e5	2.152e5	1.560	1.51	NO	1633.3	1633.3	MM	MM
7	70 PCB-93	35.77	35.74	9.994e4	6.529e4	1.560	1.53	NO	602.96	602.96	MM	MM



Dataset: Untitled

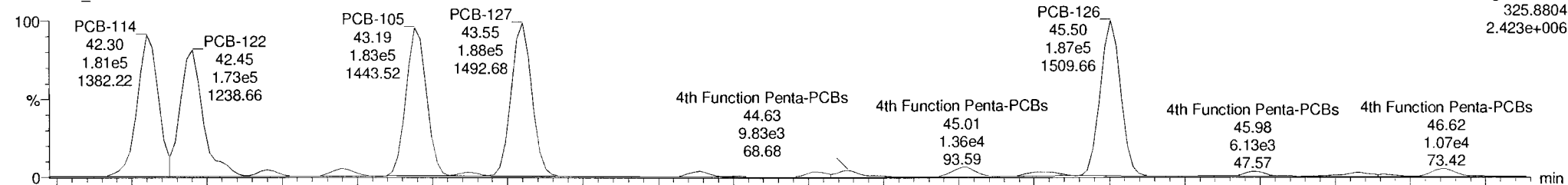
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Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

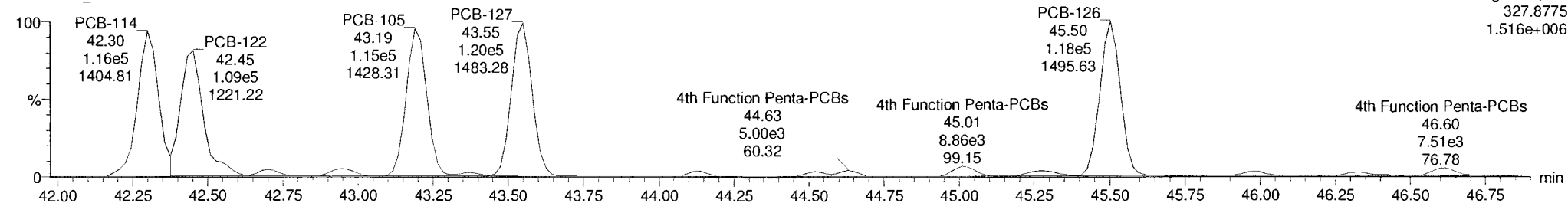
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191010K1_3

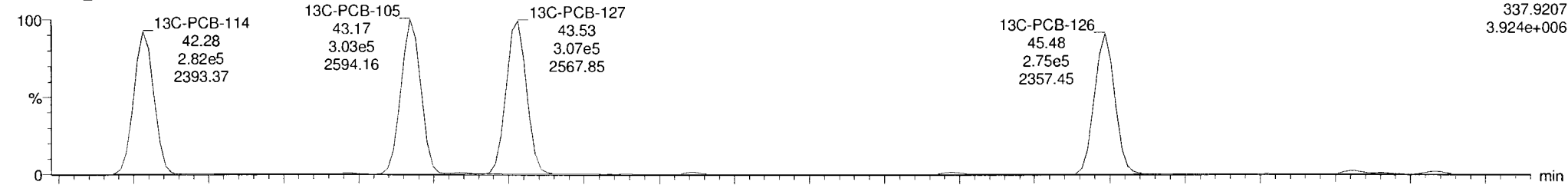


191010K1_3

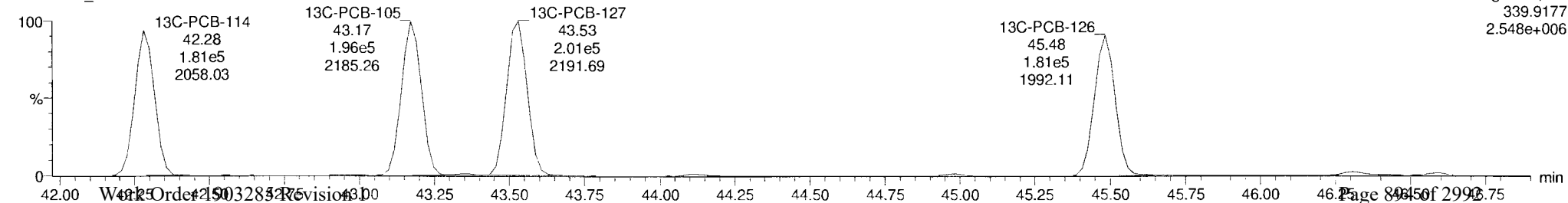


13C-PCB-114

191010K1_3

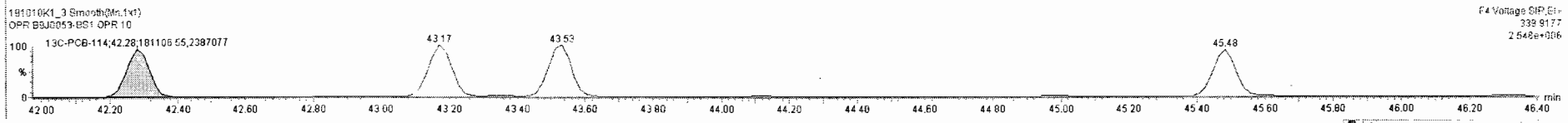
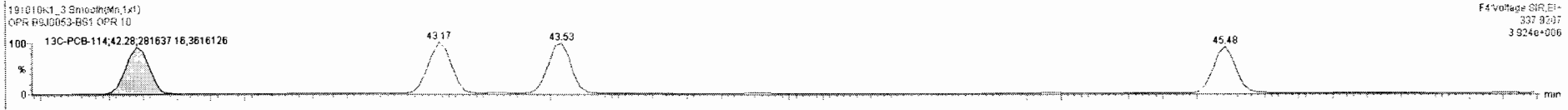
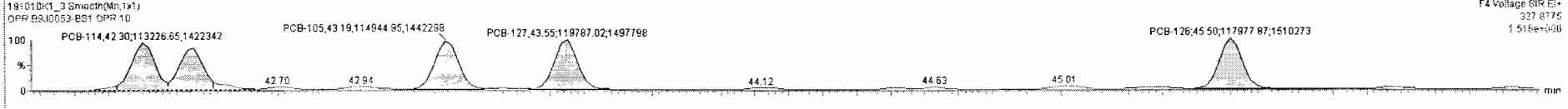
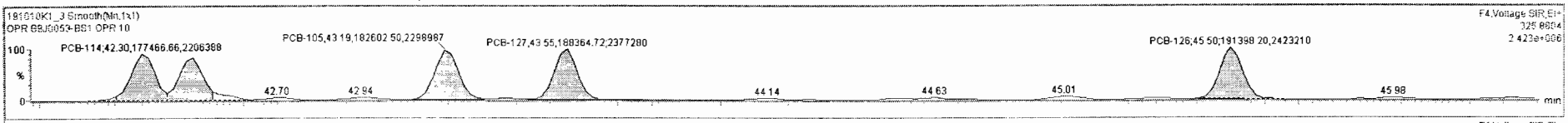


191010K1_3



#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	5.42e5	5.18e5	183	0.76	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	223 13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	984.0	98.4	1.46	
224	224 Total Mono-PCBs							10.000	0.00			0.000	NO	1890		0.634	1890
225	225 Total DL-PCBs							10.000	0.00			0.000	NO	6941		5.82	6941
226	226 2nd Function Tri-PCBs							10.000	0.00			0.000	NO	4688		1.77	4688
227	227 3rd Function Tri-PCBs							10.000	0.00			0.000	NO	9001		5.85	9001
228	228 Total Tetra-PCBs							10.000	0.00			0.000	NO	23730		17.5	23730
229	229 3rd Function Penta-PCBs							10.000	0.00			0.000	NO	23040		95.2	23040
230	230 4th Function Penta-PCBs							10.000	0.00			0.000	NO	2752		3.85	2752
231	231 3rd Function Hexa-PCBs							10.000	0.00			0.000	NO	7775		4.53	7775
232	232 4th Function Hexa-PCBs							10.000	0.00			0.000	NO	15310		15.8	15310

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1° Det.
93	PCB-114	42.30	42.30	1.775e5	1.132e5	1.560	1.57	NO	540.81	540.81	MM	MM
94	PCB-122	42.43	42.45	1.549e5	9.832e4	1.560	1.58	NO	562.71	562.71	MM	MM
95	PCB-105	43.19	43.19	1.626e5	1.149e5	1.550	1.59	NO	541.49	541.49	bd	bd
96	PCB-127	43.55	43.55	1.884e5	1.198e5	1.560	1.57	NO	547.35	547.35	db	db
97	PCB-126	45.50	45.50	1.914e5	1.180e5	1.560	1.62	NO	559.55	559.55	MM	db



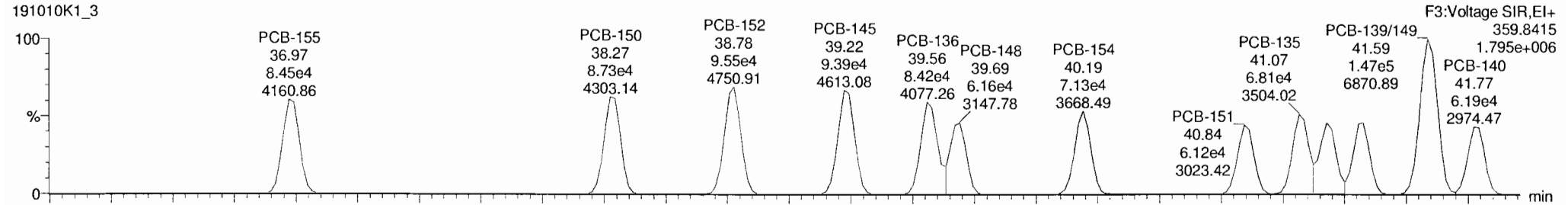
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Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

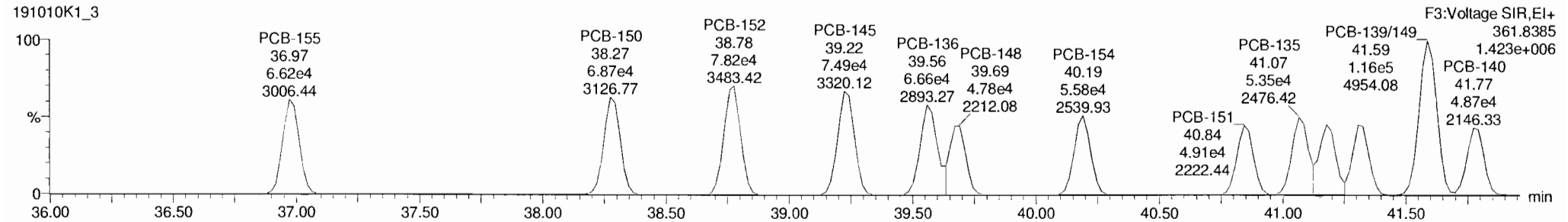
Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-155

191010K1_3

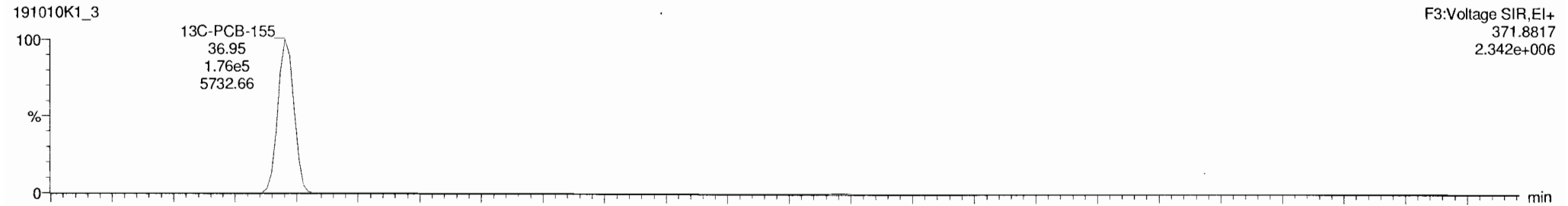


191010K1_3

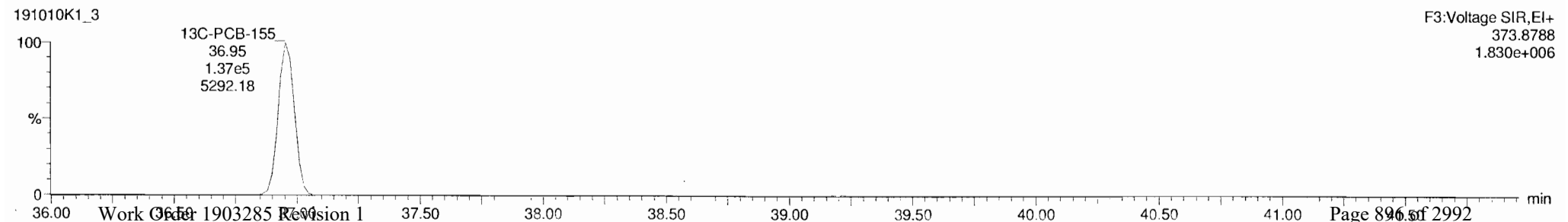


13C-PCB-155

191010K1_3



191010K1_3



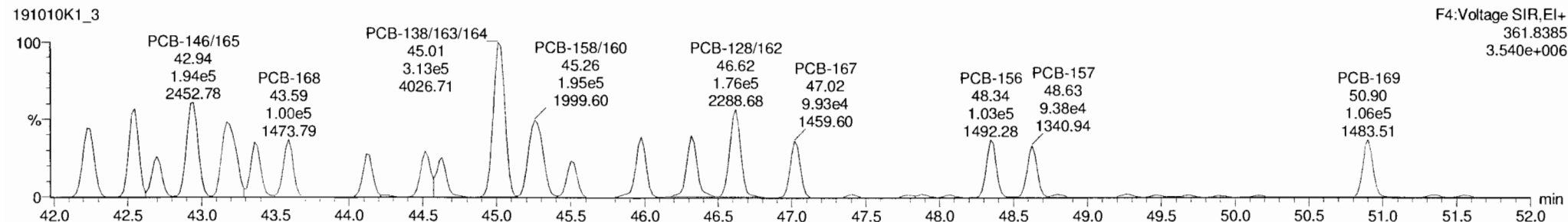
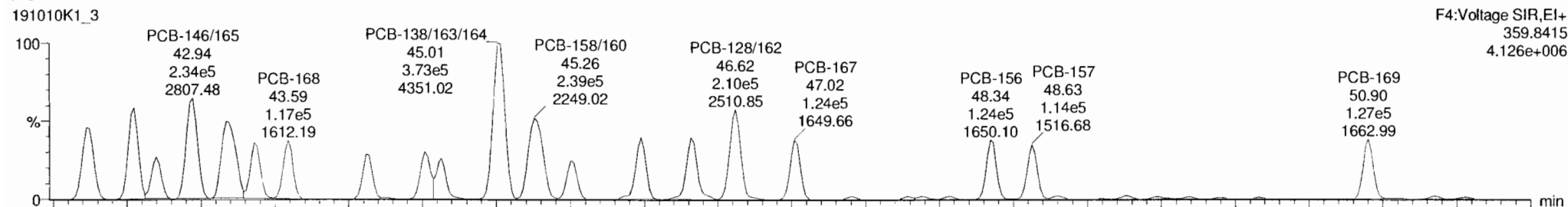
Dataset: Untitled

Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

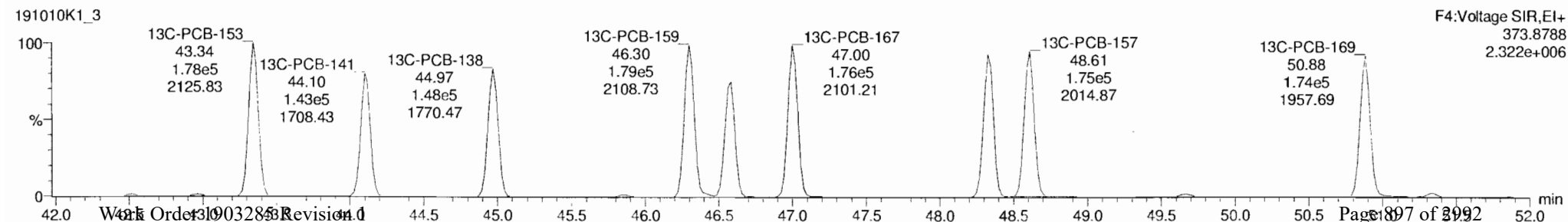
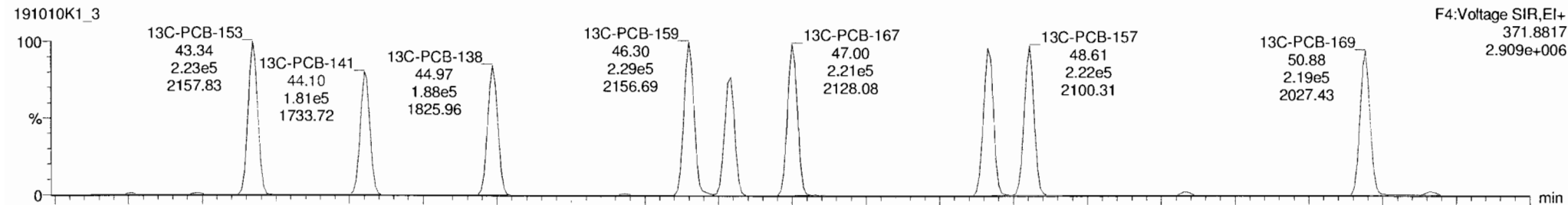
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-134/143

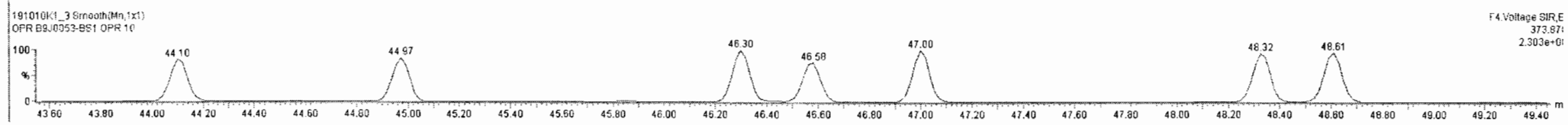
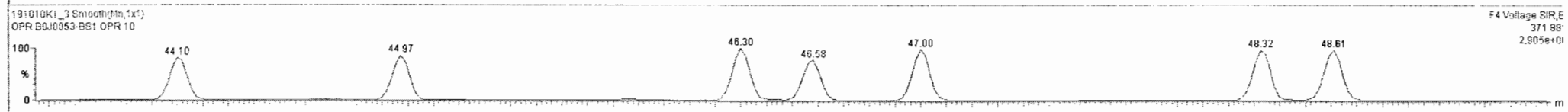
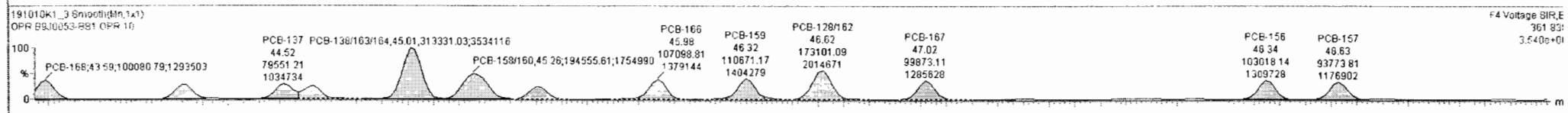
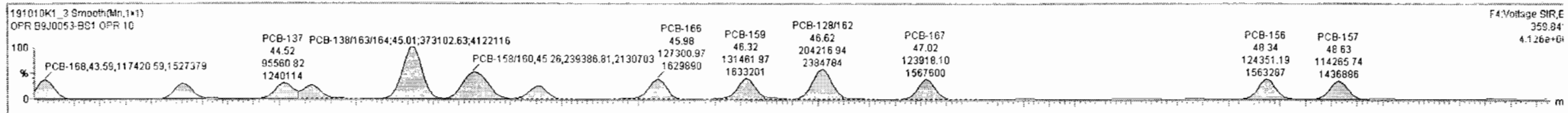


13C-PCB-153



#	Name	Resp	IS Resp	IS#	RA	n/y	RRT	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	5.42e5	5.16e5	183	0.76	NO		10.000	37.75	37.75	0.968	0.967	NO	1005	100	1.47	
223	13C-PCB-178	2.07e5	2.16e5	205	0.44	NO		10.000	45.86	45.84	0.923	0.924	NO	964.0	98.4	1.46	
224	Total Mono-PCBs							10.000	0.00			0.000	NO	1890		0.634	1890
225	Total Di-PCBs							10.000	0.00			0.000	NO	6841		5.82	6841
226	2nd Function Tri-PCBs							10.000	0.00			0.000	NO	4688		1.77	4688
227	3rd Function Tri-PCBs							10.000	0.00			0.000	NO	9001		5.85	9001
228	Total Tetra-PCBs							10.000	0.00			0.000	NO	23730		17.5	23730
229	3rd Function Penta-PCBs							10.000	0.00			0.000	NO	23040		95.2	23040
230	4th Function Penta-PCBs							10.000	0.00			0.000	NO	2752		3.85	2752
231	3rd Function Hexa-PCBs							10.000	0.00			0.000	NO	7775		4.53	7775
232	4th Function Hexa-PCBs							10.000	0.00			0.000	NO	15200		15.8	15200

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1* Det
1	111 PCB-134/143	42.25	42.22	1.699e5	1.404e5	1.240	1.21	NO	1054.6	1054.6	bb	bb
2	112 PCB-131/133	42.54	42.55	1.889e5	1.560e5	1.240	1.21	NO	1087.9	1087.9	bd	bd
3	113 PCB-142	42.68	42.70	8.395e4	7.121e4	1.240	1.18	NO	545.98	545.98	db	dd
4	114 PCB-146/165	42.94	42.94	2.336e5	1.939e5	1.240	1.20	NO	1110.7	1110.7	bb	dd
5	115 PCB-132/161	43.18	43.17	2.258e5	1.835e5	1.240	1.19	NO	1062.6	1062.6	bd	dd
6	116 PCB-153	43.36	43.36	1.183e5	1.001e5	1.240	1.18	NO	537.94	537.94	di	dd
7	117 PCB-168	43.58	43.59	1.174e5	1.001e5	1.240	1.17	NO	531.90	531.90	db	db

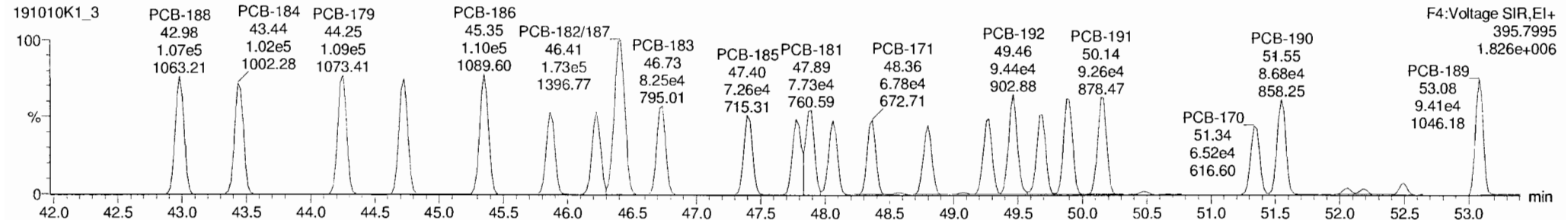
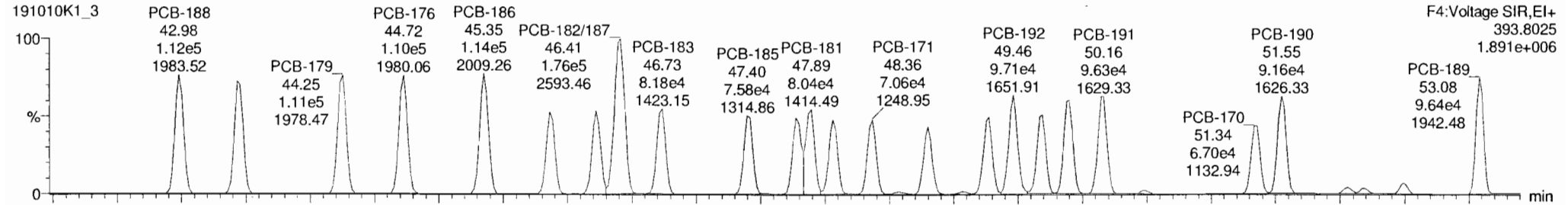


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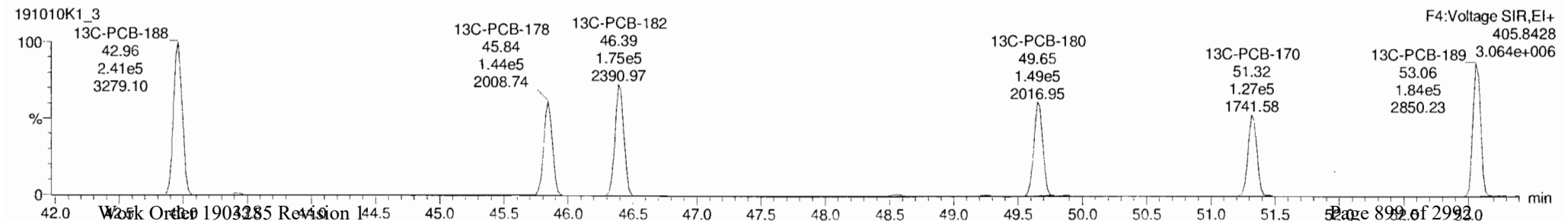
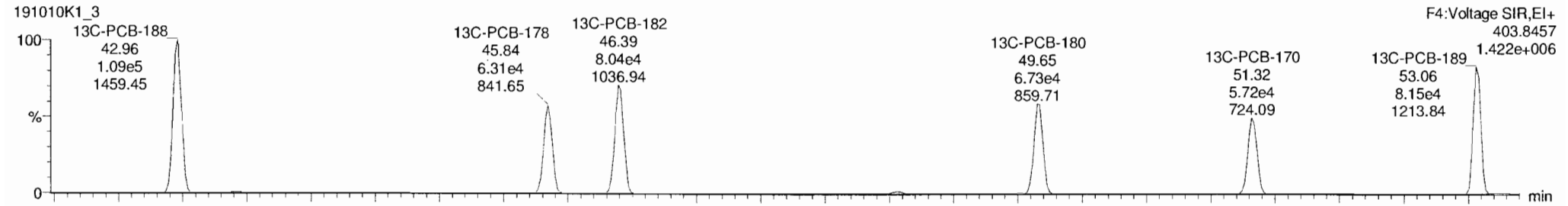
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Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-188



13C-PCB-188



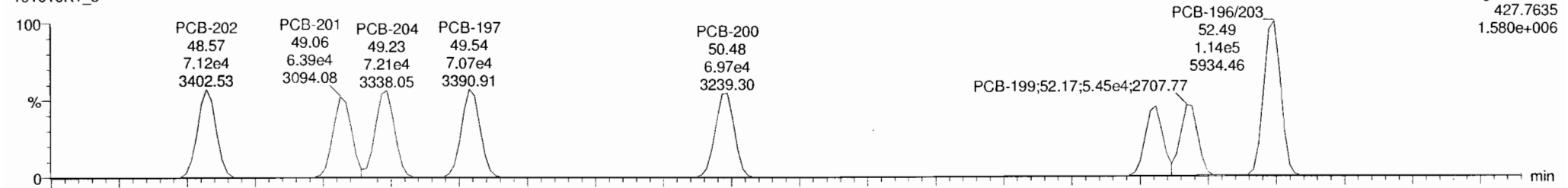
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Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

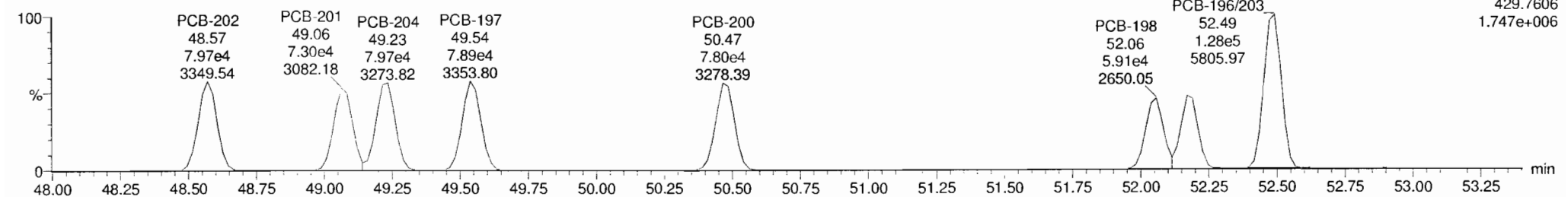
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PCB-202

191010K1_3

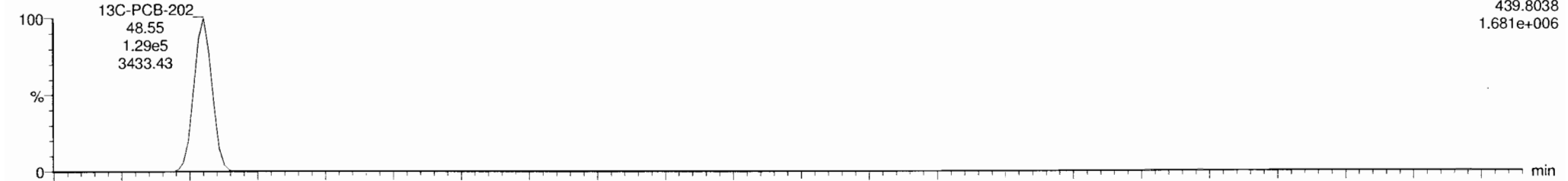


191010K1_3

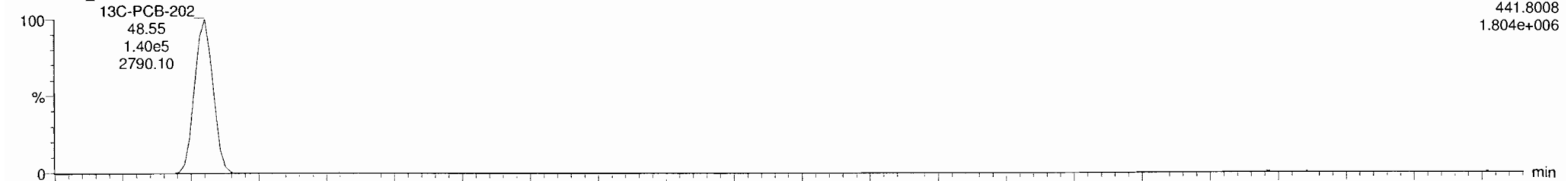


13C-PCB-202

191010K1_3



191010K1_3

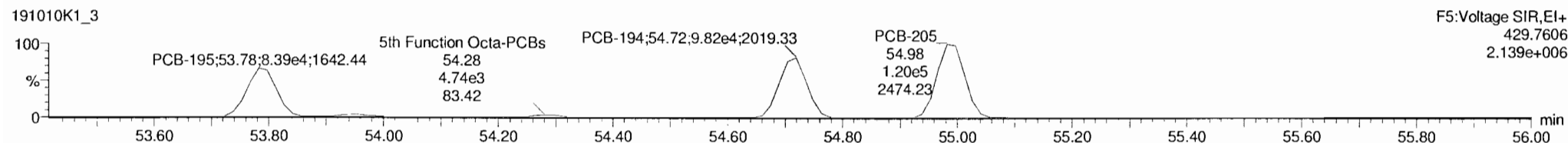
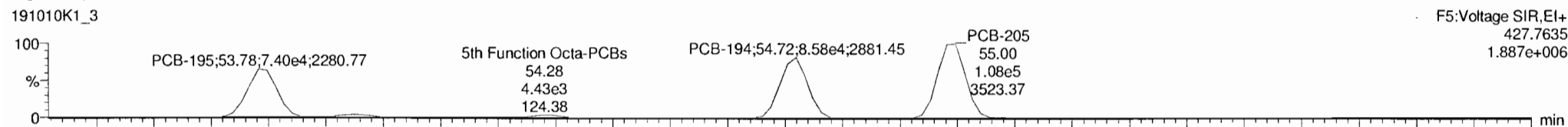


Dataset: Untitled

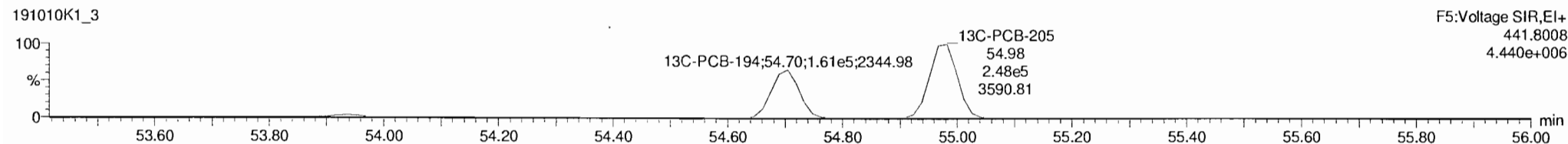
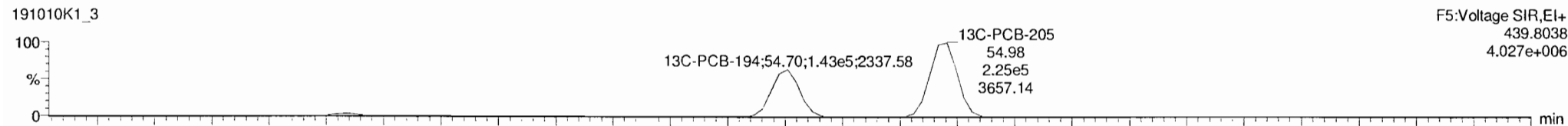
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Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

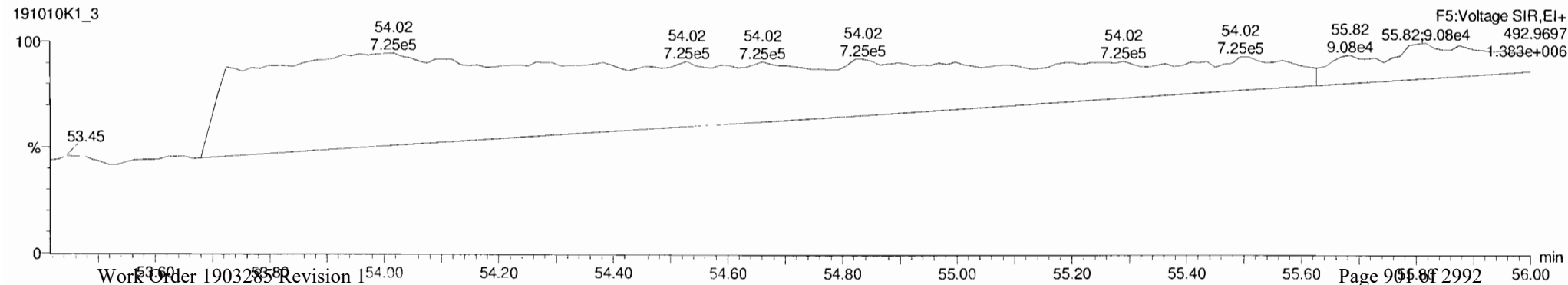
PCB-195



13C-PCB-194



PFK5

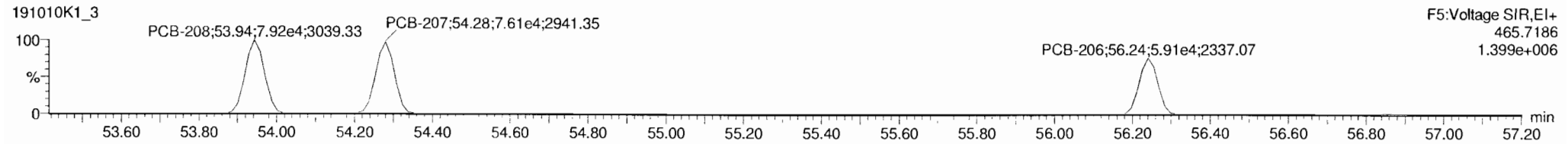
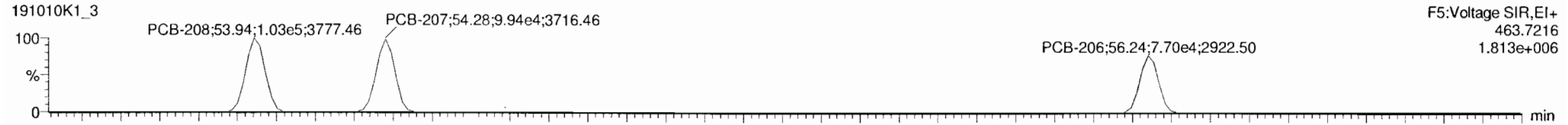


Dataset: Untitled

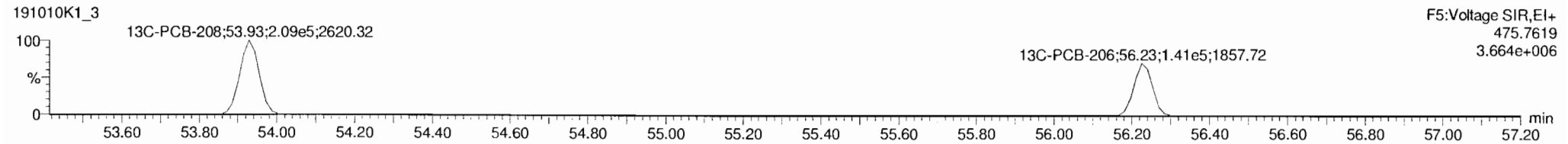
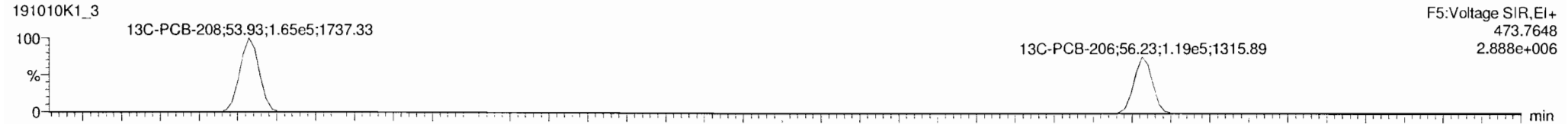
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time
Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

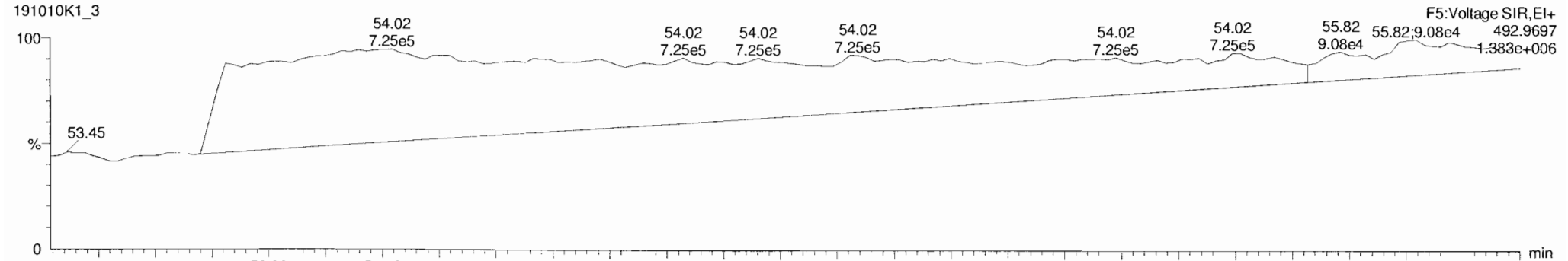
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

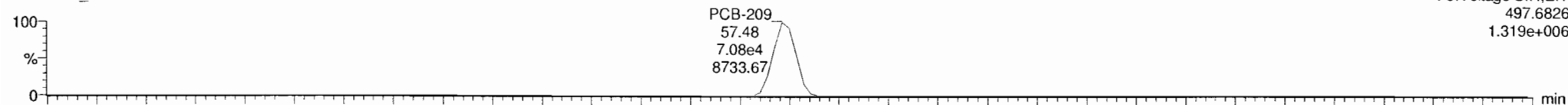
Last Altered: Friday, October 11, 2019 07:42:18 Pacific Daylight Time

Printed: Friday, October 11, 2019 07:47:24 Pacific Daylight Time

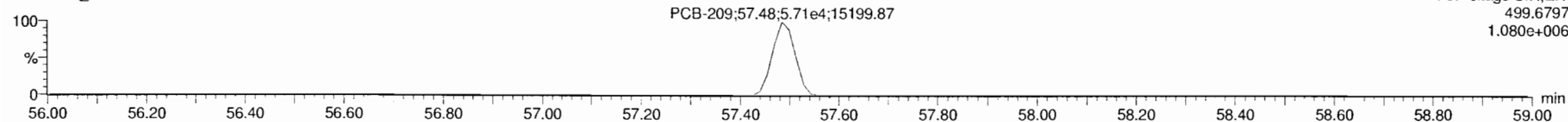
Name: 191010K1_3, Date: 10-Oct-2019, Time: 17:35:03, ID: B9J0053-BS1 OPR 10, Description: OPR

PCB-209

191010K1_3

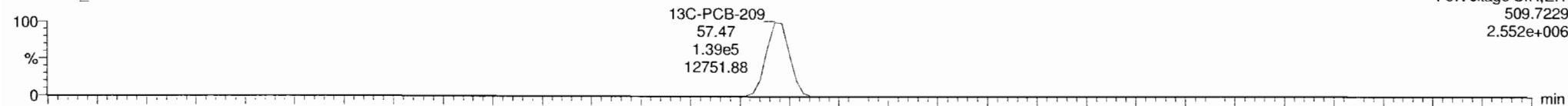


191010K1_3

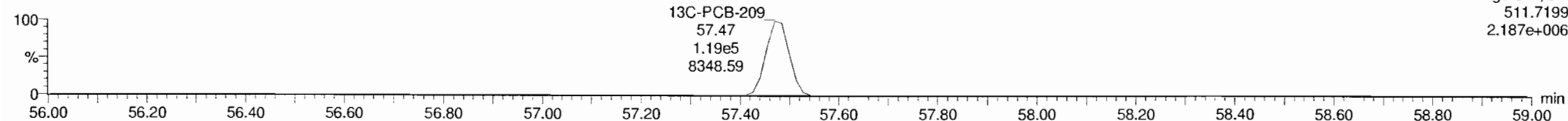


13C-PCB-209

191010K1_3

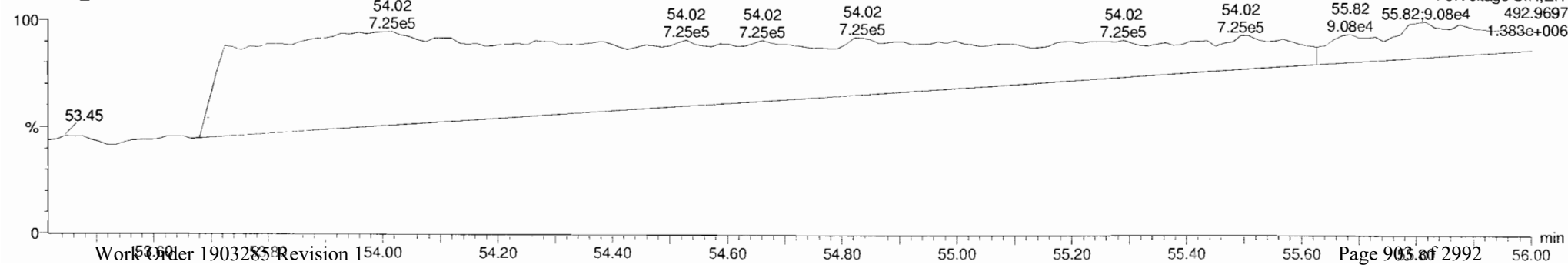


191010K1_3



PFK5

191010K1_3



Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

Last Altered: Tuesday, October 29, 2019 08:22:17 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 08:23:46 Pacific Daylight Time

HZ 10-29-19

CT 10/31/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.02	1.000	15.24		1.001		YES			1.40	
2	2 PCB-2			NO	1.01	1.000	17.63		0.988		YES			1.37	
3	3 PCB-3			NO	1.01	1.000	17.85		1.001		YES			1.37	
4	4 PCB-4/10			NO	1.28	1.000	19.27		1.004		YES			8.44	
5	5 PCB-7/9			NO	0.976	1.000	21.05		1.003		YES			7.23	
6	6 PCB-6			NO	1.02	1.000	21.69		1.033		YES			6.94	
7	7 PCB-5/8			NO	1.01	1.000	22.09		1.052		YES			6.98	
8	8 PCB-14			NO	1.03	1.000	23.25		0.952		YES			7.09	
9	9 PCB-11			NO	1.10	1.000	24.45		1.001		YES			6.68	
10	10 PCB-12/13			NO	1.04	1.000	24.87		1.018		YES			7.06	
11	11 PCB-15			NO	1.03	1.000	25.17		1.030		YES			7.12	
12	12 PCB-19			NO	0.934	1.000	23.42		1.001		YES			2.69	
13	13 PCB-30			NO	1.48	1.000	24.32		1.040		YES			1.70	
14	14 PCB-18			NO	0.693	1.000	25.09		0.951		YES			2.76	
15	15 PCB-17			NO	0.667	1.000	25.27		0.958		YES			2.86	
16	16 PCB-24/27			NO	0.915	1.000	25.87		0.981		YES			2.09	
17	17 PCB-16/32			NO	0.792	1.000	26.39		1.001		YES			2.41	
18	18 PCB-34			NO	0.987	1.000	27.20		0.959		YES			1.80	
19	19 PCB-23			NO	0.974	1.000	27.30		0.962		YES			1.82	
20	20 PCB-29			NO	0.953	1.000	27.53		0.970		YES			1.86	
21	21 PCB-26			NO	1.00	1.000	27.77		0.979		YES			1.77	
22	22 PCB-25			NO	0.978	1.000	27.92		0.984		YES			1.81	
23	23 PCB-31			NO	1.12	1.000	28.30		0.998		YES			1.58	
24	24 PCB-28			NO	1.11	1.000	28.39		1.001		YES			1.60	
25	25 PCB-20/21/33			NO	1.00	1.000	29.02		1.023		YES			1.77	
26	26 PCB-22			NO	1.03	1.000	29.49		1.039		YES			1.72	
27	27 PCB-36			NO	1.18	1.000	30.10		0.930		YES			1.67	
28	28 PCB-39			NO	1.08	1.000	30.58		0.945		YES			1.82	
29	29 PCB-38			NO	1.13	1.000	31.38		0.970		YES			1.74	
30	30 PCB-35			NO	1.13	1.000	31.92		0.987		YES			1.74	
31	31 PCB-37			NO	1.11	1.000	32.39		1.001		YES			1.78	
32	32 PCB-54			NO	0.996	1.000	27.23		1.001		YES			1.33	

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

Last Altered: Tuesday, October 29, 2019 08:22:17 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 08:23:46 Pacific Daylight Time

Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.781	1.000	28.44		1.045		YES			1.69	
34	34 PCB-53			NO	0.955	1.000	29.12		0.943		YES			1.75	
35	35 PCB-51			NO	1.02	1.000	29.46		0.955		YES			1.63	
36	36 PCB-45			NO	0.808	1.000	29.89		0.969		YES			2.07	
37	37 PCB-46			NO	0.754	1.000	30.40		0.985		YES			2.22	
38	38 PCB-52/69			NO	1.09	1.000	30.90		1.001		YES			1.53	
39	39 PCB-73			NO	1.29	1.000	31.02		1.005		YES			1.29	
40	40 PCB-43/49			NO	0.940	1.000	31.18		1.010		YES			1.78	
41	41 PCB-47			NO	0.869	1.000	31.38		1.001		YES			1.89	
42	42 PCB-48/75			NO	1.02	1.000	31.49		1.004		YES			1.60	
43	43 PCB-65			NO	1.11	1.000	31.76		1.013		YES			1.48	
44	44 PCB-62			NO	1.07	1.000	31.87		1.016		YES			1.54	
45	45 PCB-44			NO	0.761	1.000	32.20		1.027		YES			2.15	
46	46 PCB-42/59			NO	0.960	1.000	32.41		1.033		YES			1.71	
47	47 PCB-41/64/71/72			NO	1.08	1.000	33.02		1.053		YES			1.52	
48	48 PCB-68			NO	1.11	1.000	33.31		1.062		YES			1.48	
49	49 PCB-40			NO	0.577	1.000	33.53		1.069		YES			2.84	
50	50 PCB-57			NO	1.05	1.000	33.89		0.969		YES			1.35	
51	51 PCB-67			NO	0.993	1.000	34.21		0.978		YES			1.43	
52	52 PCB-58			NO	1.11	1.000	34.34		0.981		YES			1.27	
53	53 PCB-63			NO	0.962	1.000	34.49		0.986		YES			1.47	
54	54 PCB-74			NO	1.07	1.000	34.80		0.994		YES			1.33	
55	55 PCB-61/70			NO	0.986	1.000	35.01		1.000		YES			1.44	
56	56 PCB-76/66			NO	1.07	1.000	35.17		1.005		YES			1.33	
57	57 PCB-80			NO	1.08	1.000	35.46		1.001		YES			1.24	
58	58 PCB-55			NO	1.07	1.000	35.78		1.010		YES			1.26	
59	59 PCB-56/60			NO	0.934	1.000	36.30		1.024		YES			1.44	
60	60 PCB-79			NO	1.04	1.000	37.39		1.055		YES			1.29	
61	61 PCB-78			NO	1.03	1.000	38.11		0.987		YES			1.36	
62	62 PCB-81			NO	0.933	1.000	38.64		1.000		YES			1.51	
63	63 PCB-77			NO	1.03	1.000	39.26		1.000		YES			1.49	
64	64 PCB-104			NO	0.995	1.000	32.05		1.001		YES			2.28	
65	65 PCB-96			NO	0.996	1.000	33.35		1.041		YES			2.27	
66	66 PCB-103			NO	0.774	1.000	33.91		1.059		YES			2.92	
67	67 PCB-100			NO	0.778	1.000	34.28		1.070		YES			2.91	
68	68 PCB-94			NO	0.773	1.000	34.80		0.985		YES			3.85	

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Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.01	1.000	35.26		0.999		YES			2.93	
70	70 PCB-93			NO	0.841	1.000	35.39		1.002		YES			3.54	
71	71 PCB-88/91			NO	0.890	1.000	35.73		1.012		YES			3.34	
72	72 PCB-121			NO	1.39	1.000	35.85		1.015		YES			2.15	
73	73 PCB-84/92			NO	0.879	1.000	36.68		0.990		YES			3.42	
74	74 PCB-89			NO	0.959	1.000	36.85		0.995		YES			3.13	
75	75 PCB-90/101			NO	0.944	1.000	37.06		1.000		YES			3.19	
76	76 PCB-113			NO	1.23	1.000	37.30		1.007		YES			2.44	
77	77 PCB-99			NO	1.12	1.000	37.40		1.010		YES			2.69	
78	78 PCB-119			NO	1.47	1.000	37.88		0.987		YES			2.26	
79	79 PCB-108/112			NO	1.25	1.000	38.04		0.991		YES			2.67	
80	80 PCB-83			NO	1.55	1.000	38.19		0.995		YES			2.15	
81	81 PCB-97			NO	1.07	1.000	38.42		1.001		YES			3.10	
82	82 PCB-86			NO	0.996	1.000	38.56		1.005		YES			3.35	
83	83 PCB-87/117/125			NO	1.33	1.000	38.67		1.008		YES			2.50	
84	84 PCB-111/115			NO	1.60	1.000	38.84		1.012		YES			2.08	
85	85 PCB-85/116			NO	1.22	1.000	38.96		1.015		YES			2.74	
86	86 PCB-120			NO	1.68	1.000	39.22		1.022		YES			1.98	
87	87 PCB-110			NO	1.49	1.000	39.37		1.026		YES			2.24	
88	88 PCB-82			NO	0.674	1.000	40.02		0.976		YES			3.94	
89	89 PCB-124			NO	1.16	1.000	40.72		0.993		YES			2.28	
90	90 PCB-107/109			NO	1.17	1.000	40.87		0.996		YES			2.28	
91	91 PCB-123			NO	1.04	1.000	41.04		1.000		YES			2.55	
92	92 PCB-106/118			NO	1.07	1.000	41.26		1.001		YES			2.36	
93	93 PCB-114			NO	1.16	1.000	41.91		1.000		YES			2.01	
94	94 PCB-122			NO	0.973	1.000	42.03		1.003		YES			2.40	
95	95 PCB-105			NO	1.10	1.000	42.79		1.000		YES			2.15	
96	96 PCB-127			NO	1.11	1.000	43.15		1.000		YES			1.95	
97	97 PCB-126			NO	1.21	1.000	45.10		1.000		YES			2.13	
98	98 PCB-155			NO	0.874	1.000	36.59		1.000		YES			1.32	
99	99 PCB-150			NO	0.881	1.000	37.90		1.036		YES			1.31	
100	1... PCB-152			NO	1.00	1.000	38.40		1.050		YES			1.15	
101	1... PCB-145			NO	1.00	1.000	38.85		1.062		YES			1.16	
102	1... PCB-136			NO	0.843	1.000	39.18		1.071		YES			1.37	
103	1... PCB-148			NO	0.693	1.000	39.31		1.075		YES			1.67	
104	1... PCB-154			NO	0.724	1.000	39.80		1.088		YES			1.60	

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Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.632	1.000	40.46		1.106		YES			1.83	
106	1... PCB-135			NO	0.716	1.000	40.69		1.112		YES			1.61	
107	1... PCB-144			NO	0.667	1.000	40.80		1.115		YES			1.73	
108	1... PCB-147			NO	0.661	1.000	40.93		1.119		YES			1.75	
109	1... PCB-139/149			NO	0.738	1.000	41.21		1.127		YES			1.56	
110	1... PCB-140			NO	0.627	1.000	41.39		1.132		YES			1.84	
111	1... PCB-134/143			NO	0.733	1.000	41.87		0.975		YES			1.94	
112	1... PCB-131/133			NO	0.790	1.000	42.15		0.982		YES			1.80	
113	1... PCB-142			NO	0.708	1.000	42.30		0.985		YES			2.01	
114	1... PCB-146/165			NO	0.959	1.000	42.55		0.991		YES			1.49	
115	1... PCB-132/161			NO	0.974	1.000	42.78		0.996		YES			1.46	
116	1... PCB-153			NO	1.01	1.000	42.96		1.000		YES			1.41	
117	1... PCB-168			NO	1.02	1.000	43.19		1.006		YES			1.40	
118	1... PCB-141			NO	0.967	1.000	43.72		1.000		YES			1.86	
119	1... PCB-137			NO	0.987	1.000	44.10		1.009		YES			1.82	
120	1... PCB-130			NO	0.840	1.000	44.21		1.012		YES			2.14	
121	1... PCB-138/163/164			NO	1.23	1.000	44.61		1.001		YES			1.43	
122	1... PCB-158/160			NO	1.18	1.000	44.86		1.006		YES			1.49	
123	1... PCB-129			NO	0.819	1.000	45.10		1.012		YES			2.14	
124	1... PCB-166			NO	1.07	1.000	45.59		0.993		YES			1.43	
125	1... PCB-159			NO	1.12	1.000	45.92		1.000		YES			1.37	
126	1... PCB-128/162			NO	0.851	1.000	46.20		1.007		YES			1.80	
127	1... PCB-167			NO	1.04	1.000	46.62		1.000		YES			1.48	
128	1... PCB-156			NO	1.06	1.000	47.95		1.000		YES			1.51	
129	1... PCB-157			NO	0.978	1.000	48.25		1.001		YES			1.57	
130	1... PCB-169			NO	1.11	1.000	50.51		1.000		YES			1.54	
131	1... PCB-188			NO	1.19	1.000	42.60		1.001		YES			1.17	
132	1... PCB-184			NO	1.17	1.000	43.04		1.011		YES			1.20	
133	1... PCB-179			NO	1.18	1.000	43.84		1.030		YES			1.19	
134	1... PCB-176			NO	1.16	1.000	44.31		1.041		YES			1.20	
135	1... PCB-186			NO	1.22	1.000	44.92		1.055		YES			1.15	
136	1... PCB-178			NO	0.830	1.000	45.42		1.067		YES			1.68	
137	1... PCB-175			NO	0.849	1.000	45.77		1.075		YES			1.64	
138	1... PCB-182/187			NO	0.960	1.000	45.97		1.080		YES			1.45	
139	1... PCB-183			NO	0.957	1.000	46.29		1.088		YES			1.46	
140	1... PCB-185			NO	1.32	1.000	47.03		0.955		YES			1.80	

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Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.22	1.000	47.40		0.962		YES			1.95	
142	1... PCB-181			NO	1.41	1.000	47.50		0.964		YES			1.68	
143	1... PCB-177			NO	1.24	1.000	47.67		0.968		YES			1.92	
144	1... PCB-171			NO	1.24	1.000	47.96		0.974		YES			1.91	
145	1... PCB-173			NO	1.14	1.000	48.40		0.983		YES			2.08	
146	1... PCB-172			NO	1.31	1.000	48.87		0.992		YES			1.82	
147	1... PCB-192			NO	1.70	1.000	49.07		0.996		YES			1.40	
148	1... PCB-180			NO	1.32	1.000	49.27		1.000		YES			1.80	
149	1... PCB-193			NO	1.54	1.000	49.50		1.005		YES			1.54	
150	1... PCB-191			NO	1.57	1.000	49.74		1.010		YES			1.51	
151	1... PCB-170			NO	1.36	1.000	50.94		1.000		YES			1.98	
152	1... PCB-190			NO	1.84	1.000	51.12		1.004		YES			1.46	
153	1... PCB-189			NO	1.33	1.000	52.74		1.000		YES			1.30	
154	1... PCB-202			NO	1.02	1.000	48.19		1.001		YES			1.35	
155	1... PCB-201			NO	0.915	1.000	48.68		1.011		YES			1.51	
156	1... PCB-204			NO	0.979	1.000	48.82		1.014		YES			1.41	
157	1... PCB-197			NO	0.979	1.000	49.14		1.020		YES			1.41	
158	1... PCB-200			NO	0.954	1.000	50.08		1.040		YES			1.45	
159	1... PCB-198			NO	0.748	1.000	51.68		1.073		YES			1.84	
160	1... PCB-199			NO	0.706	1.000	51.81		1.076		YES			1.95	
161	1... PCB-196/203			NO	0.785	1.000	52.14		1.083		YES			1.76	
162	1... PCB-195			NO	1.03	1.000	53.49		0.984		YES			1.15	
163	1... PCB-194	2.29e2	1.16	YES	1.16	1.000	54.40	54.39	1.000	1.000	NO	5.161		1.03	4.527 OK
164	1... PCB-205			NO	1.40	1.000	54.67		1.005		YES			0.850	
165	1... PCB-208			NO	0.934	1.000	53.61		1.000		YES			0.449	
166	1... PCB-207			NO	0.912	1.000	53.93		1.006		YES			0.460	
167	1... PCB-206			NO	0.987	1.000	55.93		1.000		YES			0.553	
168	1... PCB-209	7.99e1	2.31	YES	0.943	1.000	57.17	57.17	1.000	1.000	NO	2.206		0.344	1.446 OK
169	1... 13C-PCB-1	2.03e6	3.27	NO	1.08	1.000	15.21	15.23	0.605	0.606	NO	12340	61.7	11.4	
170	1... 13C-PCB-3	2.15e6	3.50	NO	1.09	1.000	17.82	17.84	0.709	0.710	NO	12930	64.6	11.3	
171	1... 13C-PCB-4	1.53e6	1.61	NO	0.640	1.000	19.17	19.19	0.763	0.763	NO	15700	78.5	5.56	
172	1... 13C-PCB-9	2.34e6	1.57	NO	0.995	1.000	20.98	20.99	0.834	0.835	NO	15400	77.0	3.57	
173	1... 13C-PCB-11	2.42e6	1.59	NO	0.971	1.000	24.43	24.43	0.972	0.972	NO	16310	81.5	3.66	
174	1... 13C-PCB-19	1.15e6	1.02	NO	0.637	1.000	23.38	23.39	0.930	0.930	NO	11850	59.3	35.0	
175	1... 13C-PCB-32	1.59e6	1.00	NO	0.910	1.000	26.37	26.37	1.049	1.049	NO	11480	57.4	24.5	
176	1... 13C-PCB-28	2.02e6	0.98	NO	1.07	1.000	28.36	28.37	1.004	1.004	NO	17270	86.4	36.7	

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Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.82e6	1.03	NO	0.959	1.000	32.36	32.35	1.145	1.145	NO	17390	86.9	40.9	
178	1... 13C-PCB-54	1.55e6	0.78	NO	1.10	1.000	27.19	27.21	0.750	0.751	NO	15940	79.7	9.55	
179	1... 13C-PCB-52	1.25e6	0.76	NO	0.844	1.000	30.84	30.86	0.850	0.851	NO	16710	83.6	12.4	
180	1... 13C-PCB-47	1.29e6	0.77	NO	0.893	1.000	31.36	31.36	0.865	0.865	NO	16320	81.6	11.7	
181	1... 13C-PCB-70	1.50e6	0.78	NO	1.01	1.000	34.99	34.99	0.965	0.965	NO	16780	83.9	10.4	
182	1... 13C-PCB-80	1.55e6	0.78	NO	1.05	1.000	35.43	35.44	0.977	0.977	NO	16700	83.5	10.0	
183	1... 13C-PCB-81	1.54e6	0.76	NO	0.985	1.000	38.62	38.62	1.065	1.065	NO	17720	88.6	10.6	
184	1... 13C-PCB-77	1.42e6	0.76	NO	0.958	1.000	39.23	39.24	1.082	1.082	NO	16780	83.9	10.9	
185	1... 13C-PCB-104	1.19e6	1.56	NO	1.10	1.000	32.03	32.03	0.825	0.825	NO	15910	79.5	5.70	
186	1... 13C-PCB-95	9.27e5	1.54	NO	0.852	1.000	35.31	35.31	0.909	0.909	NO	15980	79.9	7.34	
187	1... 13C-PCB-101	9.10e5	1.63	NO	0.814	1.000	37.04	37.04	0.954	0.954	NO	16440	82.2	7.68	
188	1... 13C-PCB-97	8.23e5	1.61	NO	0.709	1.000	38.39	38.38	0.988	0.988	NO	17050	85.3	8.81	
189	1... 13C-PCB-123	1.08e6	1.60	NO	0.922	1.000	41.02	41.02	1.056	1.056	NO	17300	86.5	6.78	
190	1... 13C-PCB-118	1.14e6	1.64	NO	0.975	1.000	41.23	41.23	1.061	1.061	NO	17180	85.9	6.41	
191	1... 13C-PCB-114	1.31e6	1.55	NO	1.52	1.000	41.89	41.88	0.907	0.907	NO	20530	103	8.29	
192	1... 13C-PCB-105	1.31e6	1.54	NO	1.58	1.000	42.79	42.77	0.927	0.926	NO	19600	98.0	7.95	
193	1... 13C-PCB-127	1.37e6	1.59	NO	1.62	1.000	43.13	43.13	0.934	0.934	NO	20110	101	7.76	
194	1... 13C-PCB-126	1.21e6	1.51	NO	1.45	1.000	45.09	45.09	0.976	0.976	NO	19790	99.0	8.71	
195	1... 13C-PCB-155	8.61e5	1.26	NO	1.03	1.000	36.57	36.57	0.942	0.942	NO	12330	61.6	1.96	
196	1... 13C-PCB-153	1.10e6	1.26	NO	1.42	1.000	42.96	42.94	0.930	0.930	NO	18350	91.8	10.5	
197	1... 13C-PCB-141	8.90e5	1.29	NO	1.14	1.000	43.72	43.70	0.947	0.946	NO	18490	92.4	13.1	
198	1... 13C-PCB-138	8.92e5	1.26	NO	1.18	1.000	44.60	44.57	0.966	0.965	NO	17940	89.7	12.7	
199	1... 13C-PCB-159	1.06e6	1.26	NO	1.43	1.000	45.93	45.90	0.994	0.994	NO	17590	87.9	10.5	
200	2... 13C-PCB-167	1.04e6	1.26	NO	1.42	1.000	46.62	46.60	1.010	1.009	NO	17420	87.1	10.5	
201	2... 13C-PCB-156	1.01e6	1.27	NO	1.40	1.000	47.95	47.93	1.038	1.038	NO	17120	85.6	10.7	
202	2... 13C-PCB-157	1.04e6	1.27	NO	1.41	1.000	48.22	48.21	1.044	1.044	NO	17540	87.7	10.7	
203	2... 13C-PCB-169	9.63e5	1.26	NO	1.35	1.000	50.50	50.49	1.093	1.093	NO	16980	84.9	11.2	
204	2... 13C-PCB-188	8.75e5	0.44	NO	1.46	1.000	42.55	42.57	0.925	0.925	NO	17920	89.6	5.30	
205	2... 13C-PCB-180	5.35e5	0.47	NO	0.932	1.000	49.26	49.25	1.071	1.071	NO	17190	86.0	8.32	
206	2... 13C-PCB-170	4.64e5	0.46	NO	0.796	1.000	50.93	50.92	1.107	1.107	NO	17470	87.3	9.74	
207	2... 13C-PCB-189	6.40e5	0.44	NO	1.09	1.000	52.72	52.72	1.146	1.146	NO	17570	87.9	7.11	
208	2... 13C-PCB-202	7.05e5	0.89	NO	1.45	1.000	48.17	48.15	1.043	1.043	NO	14570	72.8	5.16	
209	2... 13C-PCB-194	7.66e5	0.90	NO	0.714	1.000	54.39	54.39	0.995	0.995	NO	17710	88.6	8.93	
210	2... 13C-PCB-208	8.90e5	0.79	NO	0.896	1.000	53.59	53.60	0.980	0.980	NO	16400	82.0	9.44	
211	2... 13C-PCB-206	6.65e5	0.81	NO	0.653	1.000	55.91	55.91	1.023	1.023	NO	16820	84.1	13.0	
212	2... 13C-PCB-209	7.69e5	1.20	NO	0.806	1.000	57.16	57.17	1.046	1.046	NO	15750	78.7	1.50	

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

Last Altered: Tuesday, October 29, 2019 08:22:17 Pacific Daylight Time
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Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.05e6	1.57	NO	1.00	1.000	25.12	25.14	1.000	0.000	NO	20000	100	3.56	
214	2... 13C-PCB-31	2.18e6	0.98	NO	1.00	1.000	28.24	28.26	1.000	0.000	NO	20000	100	39.3	
215	2... 13C-PCB-60	1.77e6	0.77	NO	1.00	1.000	36.25	36.26	1.000	0.000	NO	20000	100	10.5	
216	2... 13C-PCB-111	1.36e6	1.61	NO	1.00	1.000	38.83	38.85	1.000	0.000	NO	20000	100	6.25	
217	2... 13C-PCB-128	8.42e5	1.25	NO	1.00	1.000	46.16	46.18	1.000	0.000	NO	20000	100	15.0	
218	2... 13C-PCB-182	6.68e5	0.46	NO	1.00	1.000	45.99	46.00	0.000	0.000	NO	20000	100	7.75	
219	2... 13C-PCB-205	1.21e6	0.90	NO	1.00	1.000	54.66	54.67	1.000	0.000	NO	20000	100	6.37	
220	2... 13C-PCB-79	1.62e6	0.77	NO	1.03	1.000	37.37	37.38	1.031	1.031	NO	17760	88.8	10.2	
221	2... 13C-PCB-178	5.79e5	0.45	NO	0.875	1.000	45.45	45.45	0.988	0.988	NO	15720	78.6	7.06	
222	2... 13C-PCB-79	1.62e6	0.77	NO	1.05	1.000	37.37	37.38	0.967	0.968	NO	20090	100	11.4	
223	2... 13C-PCB-178	5.79e5	0.45	NO	0.975	1.000	45.49	45.45	0.924	0.923	NO	22210	111	10.2	
224	2... Total Mono-PCBs				1.01	1.000	0.00		0.000		NO			4.44	1.40
225	2... Total Di-PCBs				1.06	1.000	0.00		0.000		NO			5.75	8.44
226	2... 2nd Function Tri-PCBs				0.914	1.000	0.00		0.000		NO			1.5	> 2.86
227	2... 3rd Function Tri-PCBs				1.06	1.000	0.00		0.000		NO			2.45	
228	2... Total Tetra-PCBs				0.986	1.000	0.00		0.000		NO			50.7	2.84
229	2... 3rd Function Penta-PCBs				1.12	1.000	0.00		0.000		NO			79.6	> 3.85
230	2... 4th Function Penta-PCBs				1.11	1.000	0.00		0.000		NO			10.6	
231	2... 3rd Function Hexa-PCBs				0.774	1.000	0.00		0.000		NO			19.9	> 2.14
232	2... 4th Function Hexa-PCBs				0.972	1.000	0.00		0.000		NO			33.1	
233	2... Total Hepta-PCBs				1.26	1.000	0.00		0.000		NO			38.3	2.08
234	2... 4th Function Octa-PCBs				0.886	1.000	0.00		0.000		NO			12.7	
235	2... 5th Function Octa-PCBs				1.20	1.000	0.00		0.000		NO	0.0000		3.08	4.527
236	2... Total Nona-PCBs				0.945	1.000	0.00		0.000		NO			1.46	0.553
237	2... Deca-CB				0.943	1.000	0.00		0.000		NO	0.0000		0.344	1.446
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

Total Mono-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Di-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

2nd Function Tri-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Tri-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Tetra-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Penta-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

Last Altered: Tuesday, October 29, 2019 08:22:17 Pacific Daylight Time

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ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

4th Function Penta-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

3rd Function Hexa-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

4th Function Hexa-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Total Hepta-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

4th Function Octa-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

5th Function Octa-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												
PCB-194	54.40	54.39	2.443e3	1.868e3	1.233e2	1.060e2	1.16	YES	2.293e2	0.00000	4.5274	1.03

Total Nona-PCBs

Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

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ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

Deca-CB

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.17	57.17	1.034e3	5.490e2	5.576e1	2.414e1	2.31	YES	7.990e1	0.00000	1.4462	0.344

Total PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.21	15.23	2.694e7	7.915e6	1.554e6	4.751e5	3.27	NO	2.029e6	12339		11.4
2	13C-PCB-3	17.82	17.84	2.832e7	8.130e6	1.674e6	4.785e5	3.50	NO	2.152e6	12929		11.3

Total Di-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.17	19.19	1.575e7	9.843e6	9.465e5	5.868e5	1.61	NO	1.533e6	15704		5.56
2	13C-PCB-9	20.98	20.99	2.380e7	1.523e7	1.431e6	9.086e5	1.57	NO	2.339e6	15402		3.57
3	13C-PCB-11	24.43	24.43	2.299e7	1.443e7	1.482e6	9.349e5	1.59	NO	2.417e6	16307		3.66
4	13C-PCB-15	25.12	25.14	2.872e7	1.849e7	1.863e6	1.189e6	1.57	NO	3.052e6	20000		3.56

2nd Function Tri-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.38	23.39	9.496e6	9.177e6	5.813e5	5.711e5	1.02	NO	1.152e6	11851		35.0
2	13C-PCB-32	26.37	26.37	1.238e7	1.226e7	7.961e5	7.981e5	1.00	NO	1.594e6	11483		24.5

3rd Function Tri-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.24	28.26	1.470e7	1.503e7	1.079e6	1.105e6	0.98	NO	2.183e6	20000		39.3
2	13C-PCB-28	28.36	28.37	1.299e7	1.321e7	1.000e6	1.016e6	0.98	NO	2.016e6	17275		36.7
3	13C-PCB-37	32.36	32.35	1.199e7	1.152e7	9.255e5	8.954e5	1.03	NO	1.821e6	17385		40.9

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

Last Altered: Tuesday, October 29, 2019 08:22:17 Pacific Daylight Time

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ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

Tetra-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.19	27.21	9.147e6	1.169e7	6.775e5	8.716e5	0.78	NO	1.549e6	15942		9.55
2	13C-PCB-52	30.84	30.86	7.138e6	9.318e6	5.384e5	7.100e5	0.76	NO	1.248e6	16714		12.4
3	13C-PCB-47	31.36	31.36	7.343e6	9.503e6	5.618e5	7.278e5	0.77	NO	1.290e6	16316		11.7
4	13C-PCB-70	34.99	34.99	8.532e6	1.099e7	6.536e5	8.424e5	0.78	NO	1.496e6	16780		10.4
5	13C-PCB-80	35.43	35.44	8.976e6	1.144e7	6.769e5	8.684e5	0.78	NO	1.545e6	16700		10.0
6	13C-PCB-60	36.25	36.26	9.721e6	1.251e7	7.704e5	9.992e5	0.77	NO	1.770e6	20000		10.5
7	13C-PCB-79	37.37	37.38	9.126e6	1.184e7	7.067e5	9.152e5	0.77	NO	1.622e6	17763		10.2
8	13C-PCB-81	38.62	38.62	8.484e6	1.123e7	6.673e5	8.768e5	0.76	NO	1.544e6	17718		10.6
9	13C-PCB-77	39.23	39.24	7.767e6	1.002e7	6.166e5	8.065e5	0.76	NO	1.423e6	16783		10.9

3rd Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.03	32.03	9.623e6	6.282e6	7.229e5	4.647e5	1.56	NO	1.188e6	15909		5.70
2	13C-PCB-95	35.31	35.31	7.297e6	4.728e6	5.618e5	3.647e5	1.54	NO	9.265e5	15979		7.34
3	13C-PCB-101	37.04	37.04	7.387e6	4.545e6	5.646e5	3.456e5	1.63	NO	9.102e5	16438		7.68
4	13C-PCB-97	38.39	38.38	6.630e6	4.179e6	5.078e5	3.154e5	1.61	NO	8.231e5	17052		8.81
5	13C-PCB-111	38.83	38.85	1.086e7	6.734e6	8.394e5	5.216e5	1.61	NO	1.361e6	20000		6.25
6	13C-PCB-123	41.02	41.02	8.303e6	5.230e6	6.681e5	4.167e5	1.60	NO	1.085e6	17297		6.78
7	13C-PCB-118	41.23	41.23	8.804e6	5.338e6	7.084e5	4.316e5	1.64	NO	1.140e6	17182		6.41

4th Function Penta-Isotopes

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	41.89	41.88	9.994e6	6.470e6	7.978e5	5.161e5	1.55	NO	1.314e6	20530		8.29
2	13C-PCB-105	42.79	42.77	9.831e6	6.471e6	7.923e5	5.147e5	1.54	NO	1.307e6	19596		7.95
3	13C-PCB-127	43.13	43.13	1.088e7	6.923e6	8.436e5	5.299e5	1.59	NO	1.373e6	20106		7.76
4	13C-PCB-126	45.09	45.09	8.925e6	5.940e6	7.255e5	4.796e5	1.51	NO	1.205e6	19795		8.71

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Dataset: U:\VG11.PRO\Results\191028K2\191028K2-7.qld

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ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	42.96	42.94	7.874e6	6.310e6	6.135e5	4.871e5	1.26	NO	1.101e6	18352		10.5
2	13C-PCB-141	43.72	43.70	6.303e6	4.853e6	5.018e5	3.882e5	1.29	NO	8.900e5	18489		13.1
3	13C-PCB-138	44.60	44.57	6.413e6	5.115e6	4.970e5	3.948e5	1.26	NO	8.918e5	17942		12.7
4	13C-PCB-159	45.93	45.90	7.337e6	5.809e6	5.927e5	4.692e5	1.26	NO	1.062e6	17586		10.5
5	13C-PCB-128	46.16	46.18	6.004e6	4.733e6	4.686e5	3.739e5	1.25	NO	8.425e5	20000		15.0
6	13C-PCB-167	46.62	46.60	7.294e6	5.824e6	5.836e5	4.614e5	1.26	NO	1.045e6	17420		10.5
7	13C-PCB-156	47.95	47.93	7.035e6	5.516e6	5.635e5	4.445e5	1.27	NO	1.008e6	17122		10.7
8	13C-PCB-157	48.22	48.21	7.351e6	5.809e6	5.806e5	4.585e5	1.27	NO	1.039e6	17536		10.7
9	13C-PCB-169	50.50	50.49	6.553e6	5.216e6	5.359e5	4.269e5	1.26	NO	9.629e5	16981		11.2

5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.39	54.39	6.523e6	7.302e6	3.616e5	4.039e5	0.90	NO	7.656e5	17710		8.93
2	13C-PCB-205	54.66	54.67	1.056e7	1.161e7	5.747e5	6.370e5	0.90	NO	1.212e6	20000		6.37

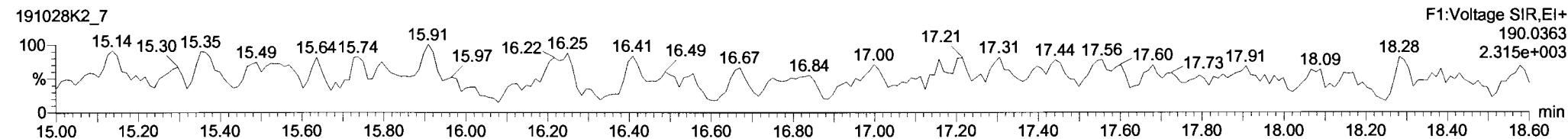
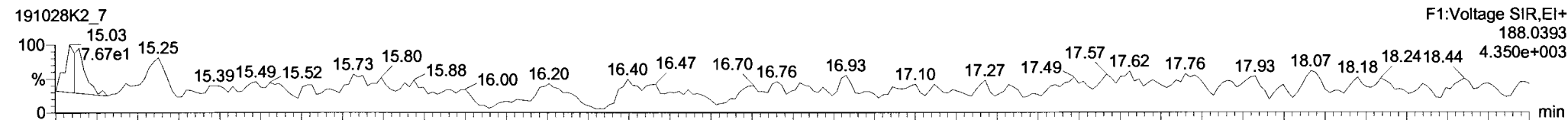
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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

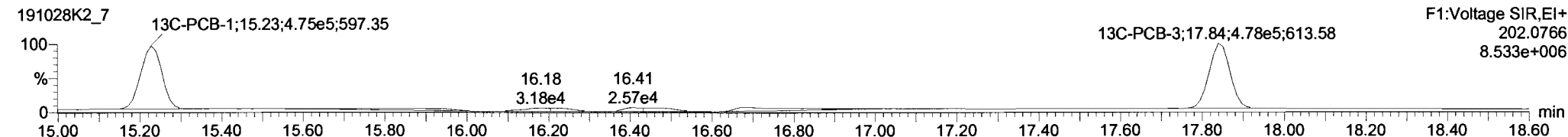
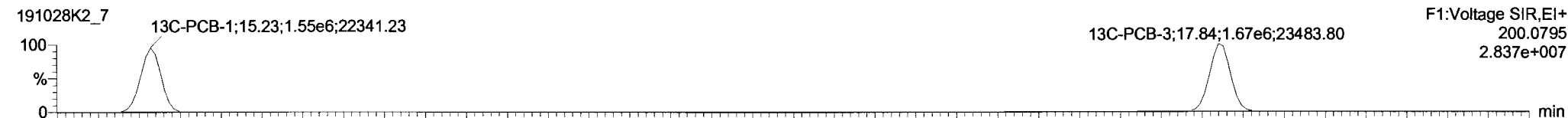
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Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

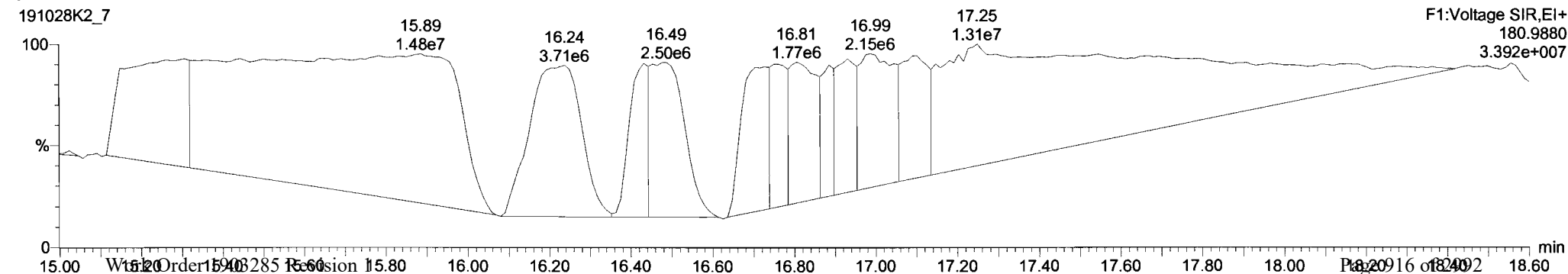
PCB-1



13C-PCB-1



PFK1



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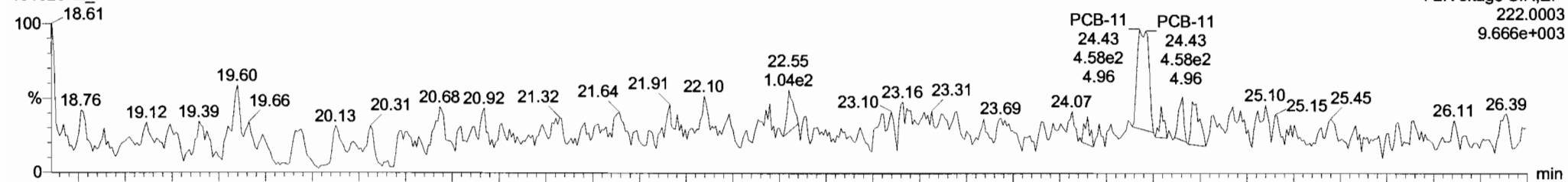
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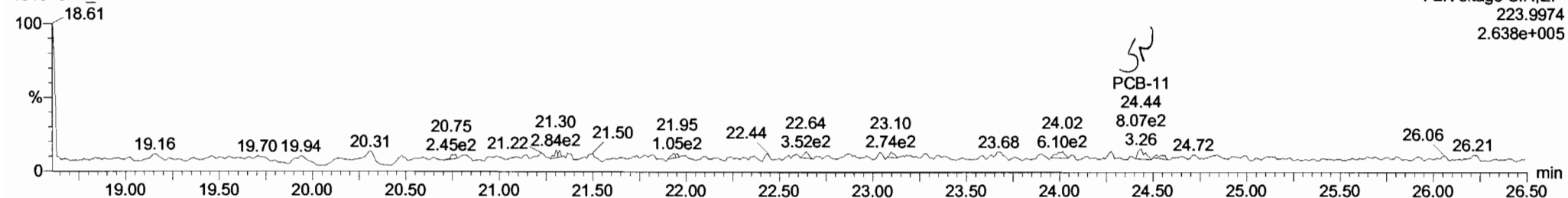
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PCB-4/10

191028K2_7

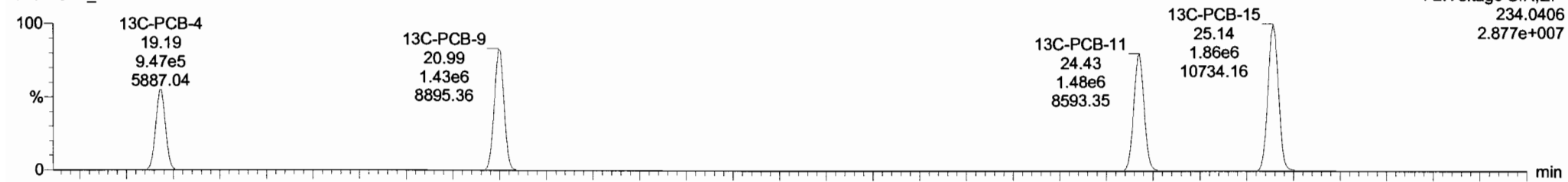


191028K2_7

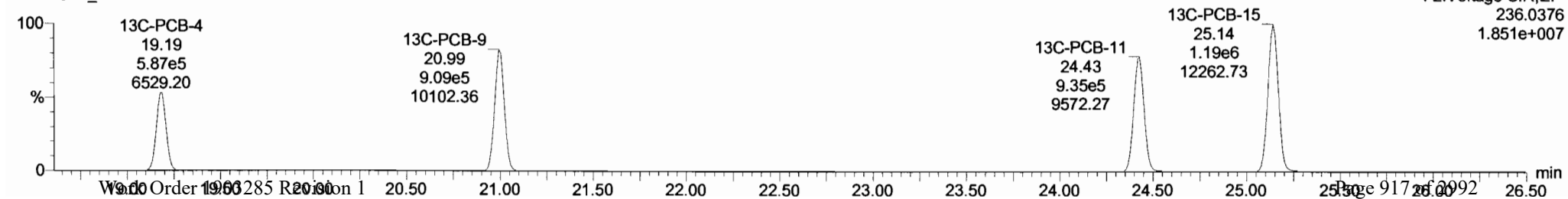


13C-PCB-4

191028K2_7



191028K2_7



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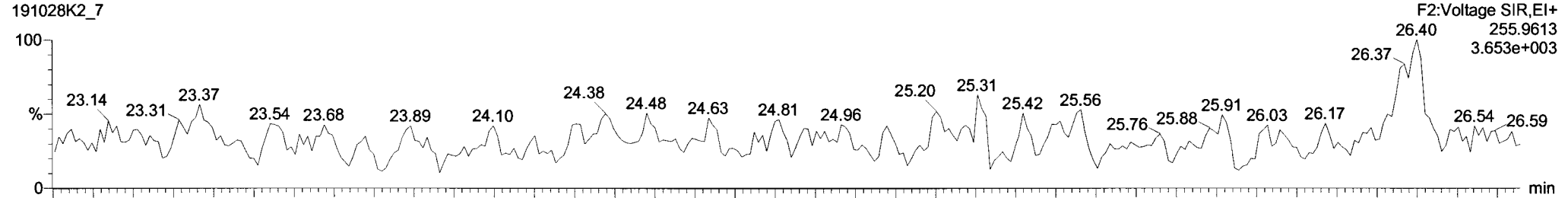
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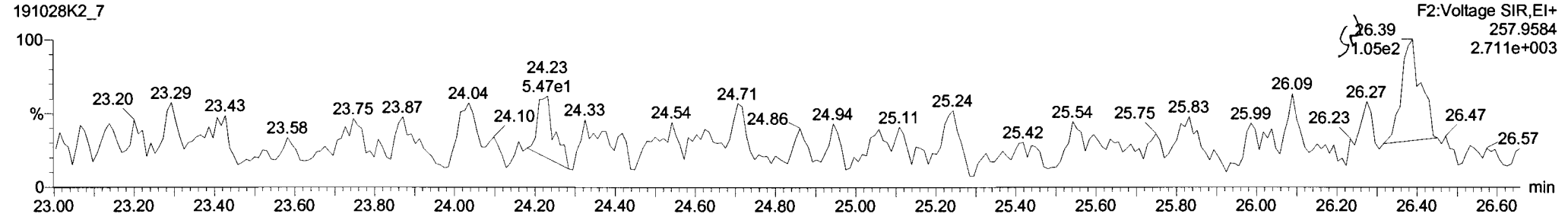
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PCB-19

191028K2_7

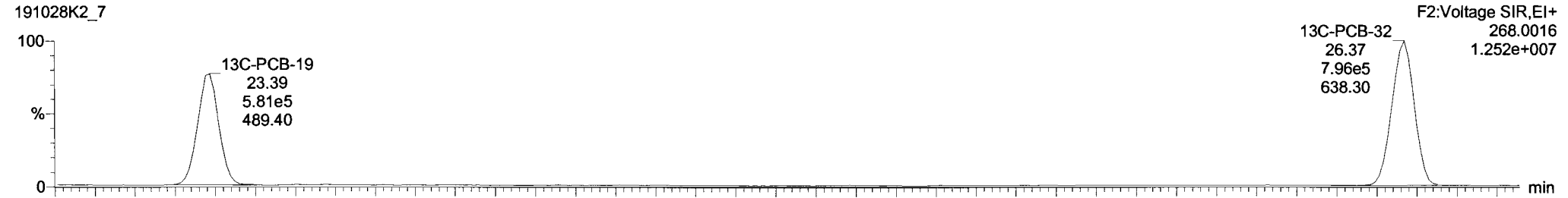


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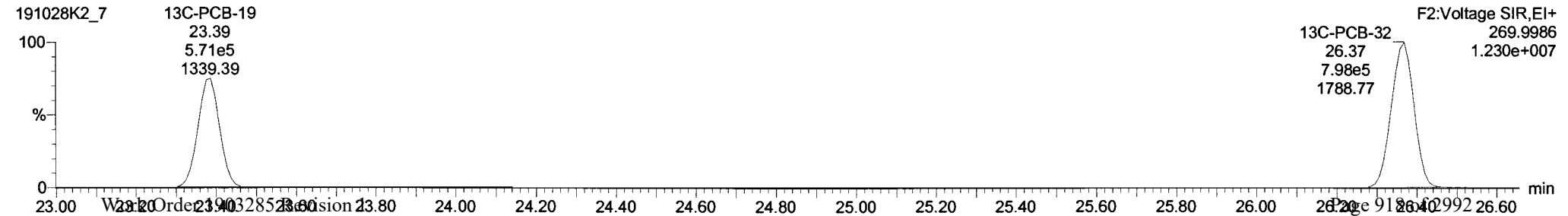


13C-PCB-19

191028K2_7



191028K2_7



Dataset: Untitled

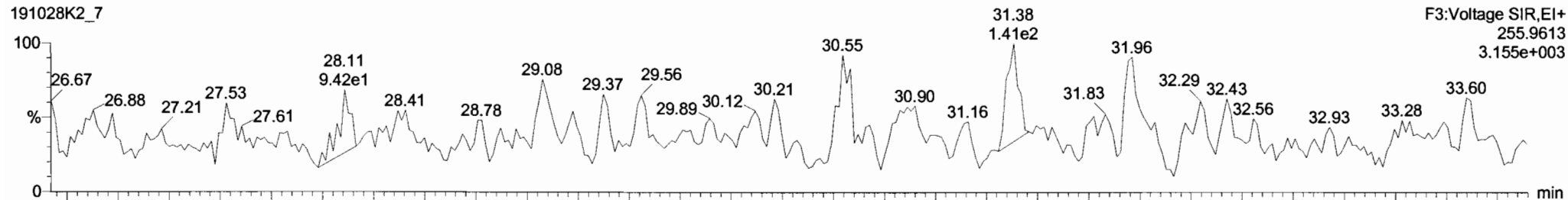
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

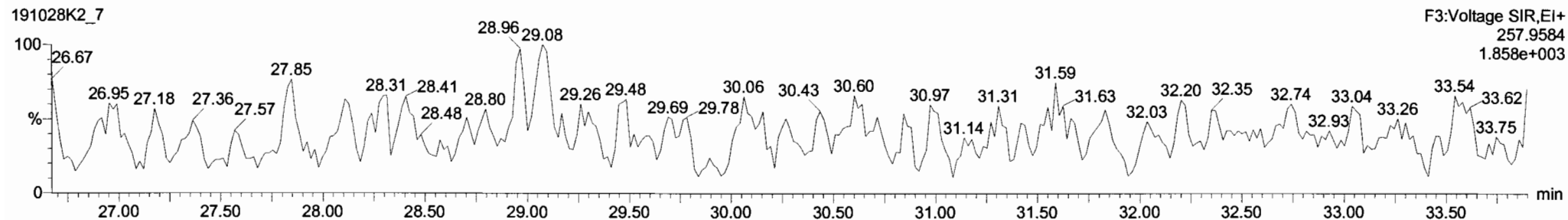
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-34

191028K2_7

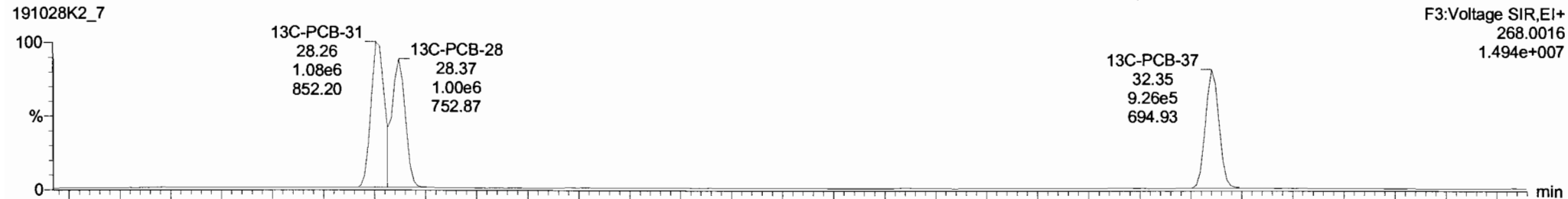


191028K2_7



13C-PCB-28

191028K2_7



191028K2_7



Dataset: Untitled

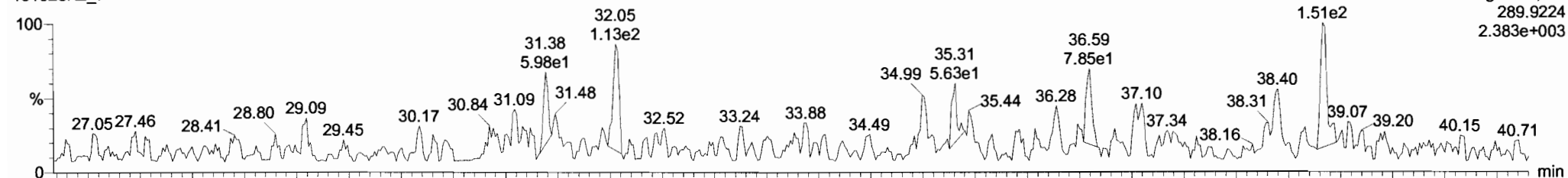
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

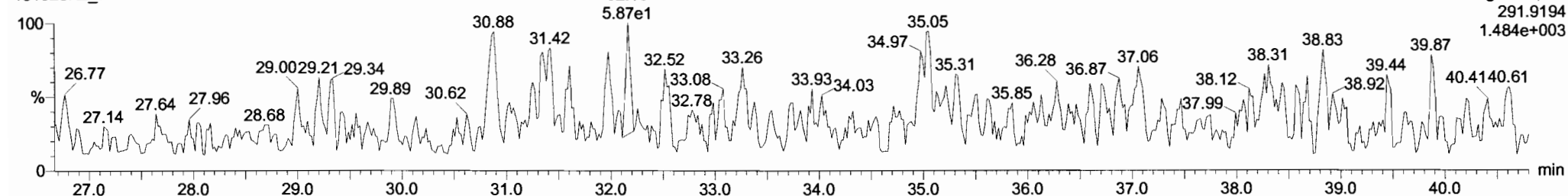
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-54

191028K2_7

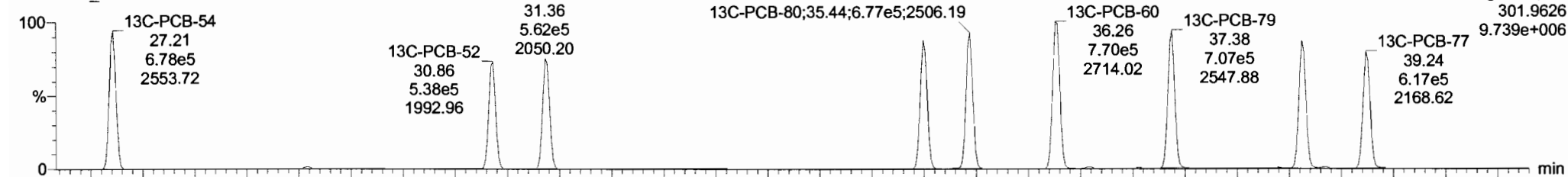


191028K2_7

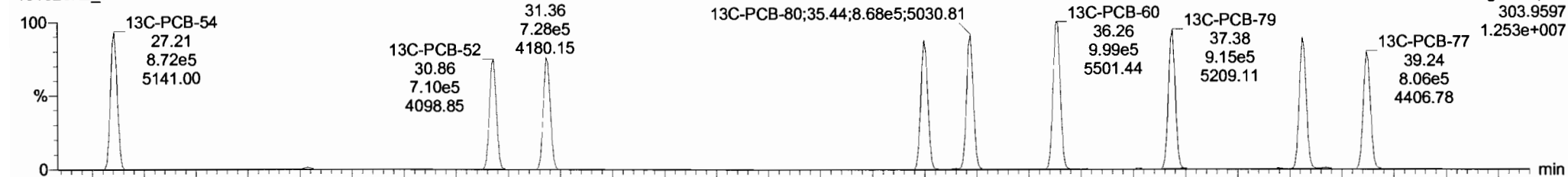


13C-PCB-54

191028K2_7



191028K2_7



Dataset: Untitled

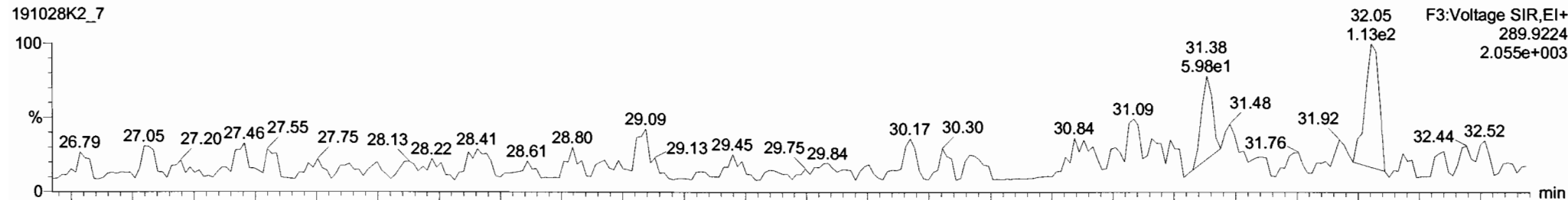
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

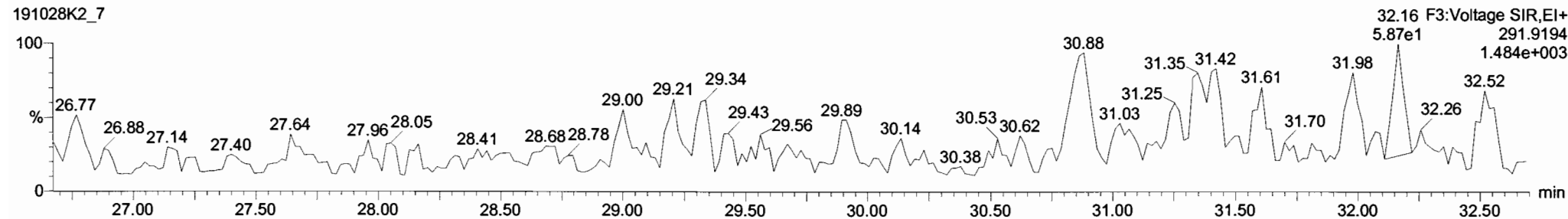
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-50

191028K2_7

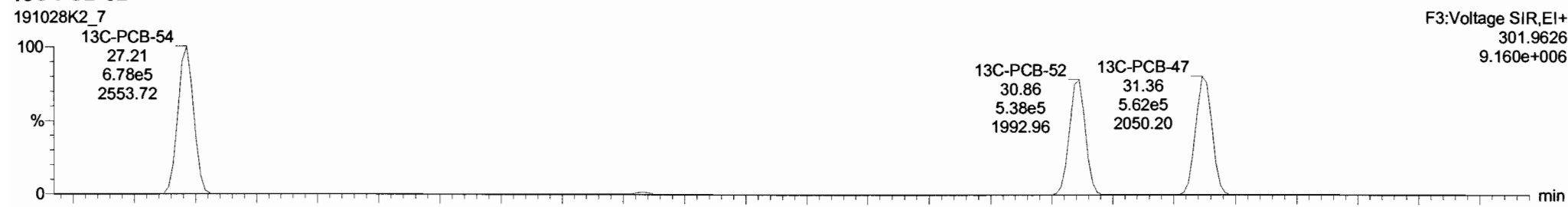


191028K2_7

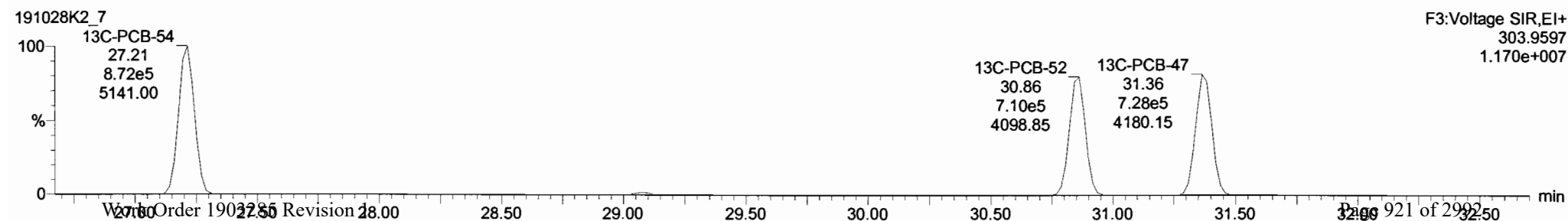


13C-PCB-52

191028K2_7



191028K2_7



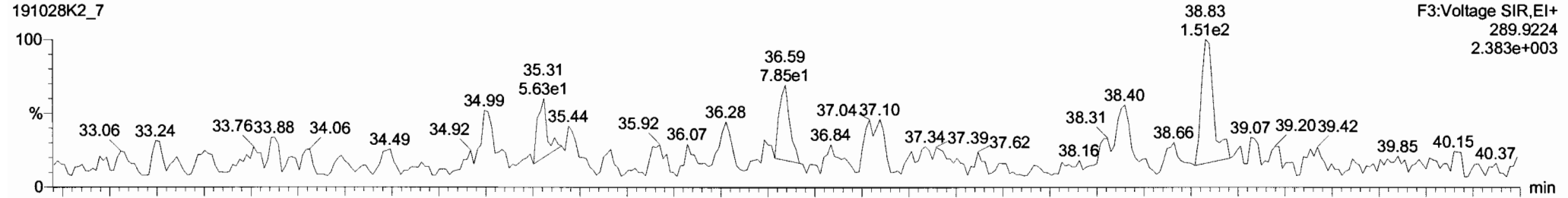
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

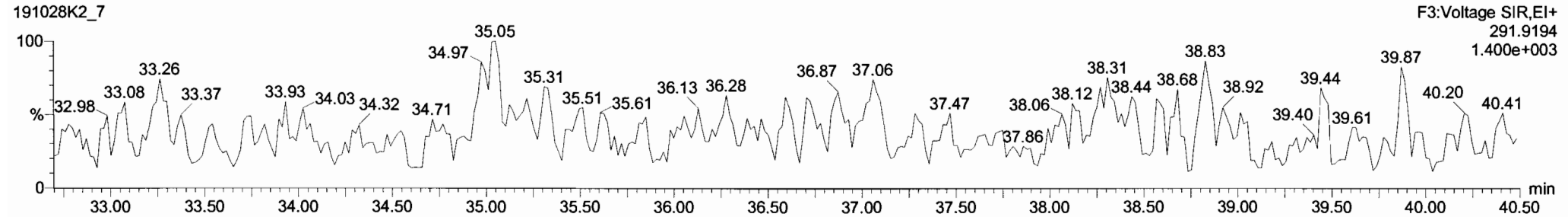
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-68

191028K2_7

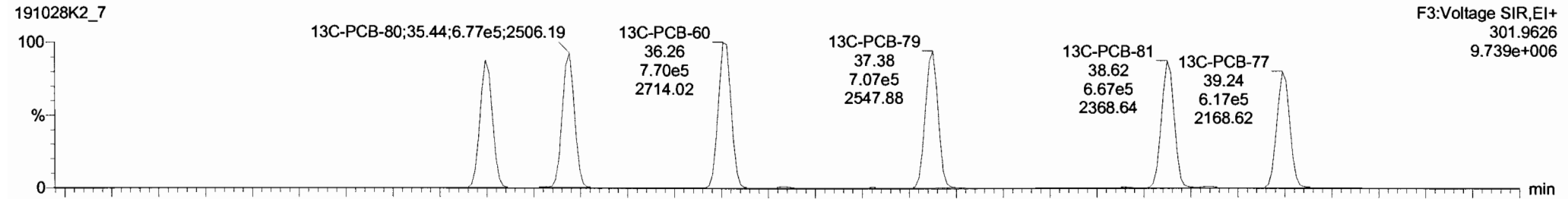


191028K2_7

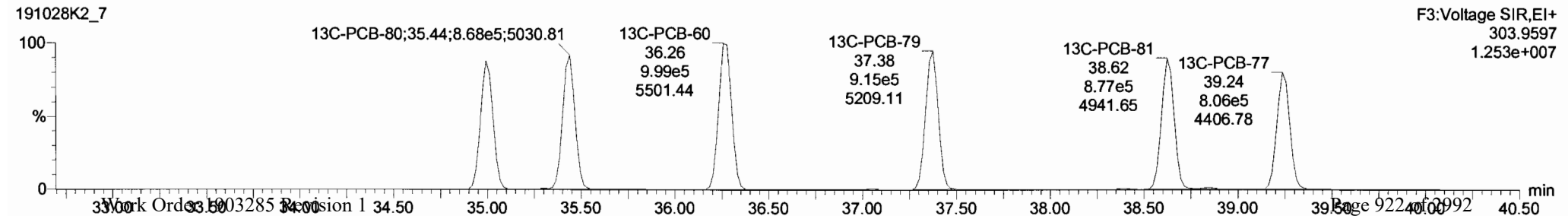


13C-PCB-60

191028K2_7



191028K2_7



Dataset: Untitled

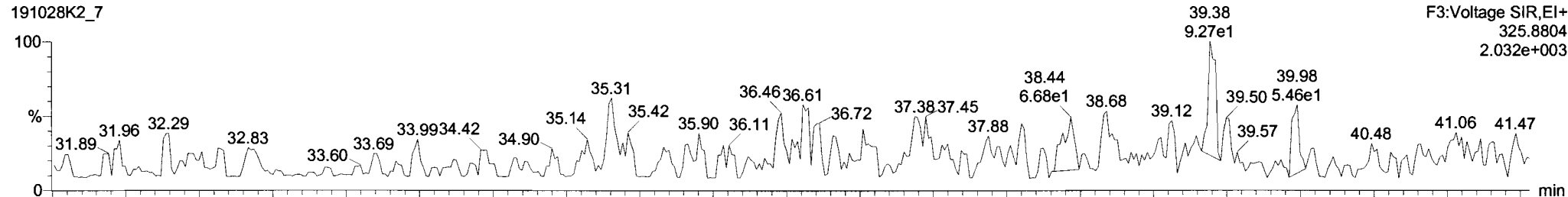
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

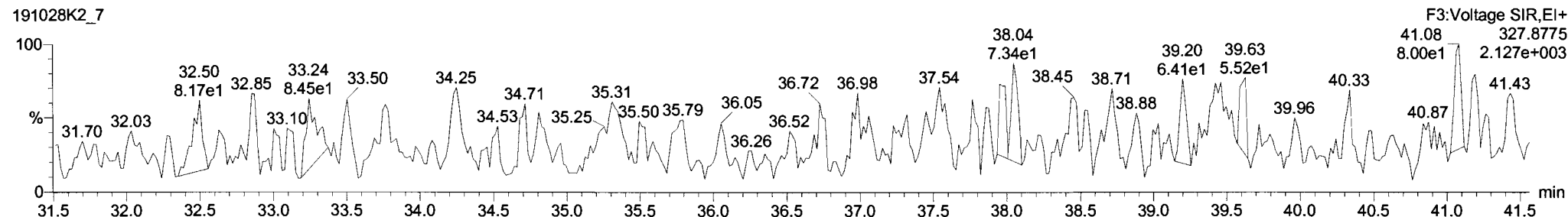
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-104

191028K2_7

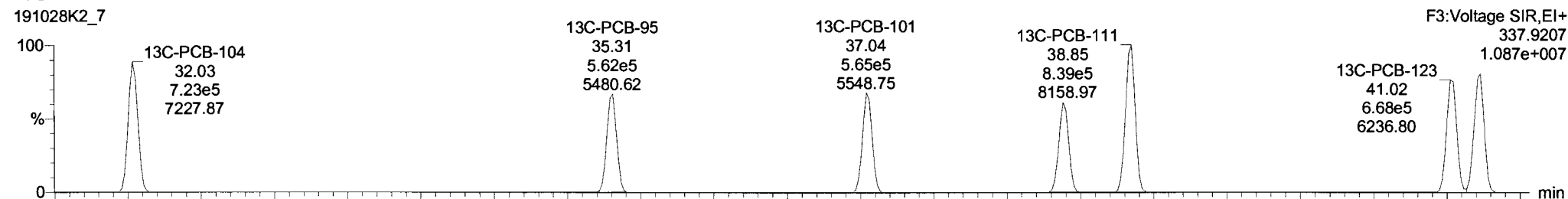


191028K2_7

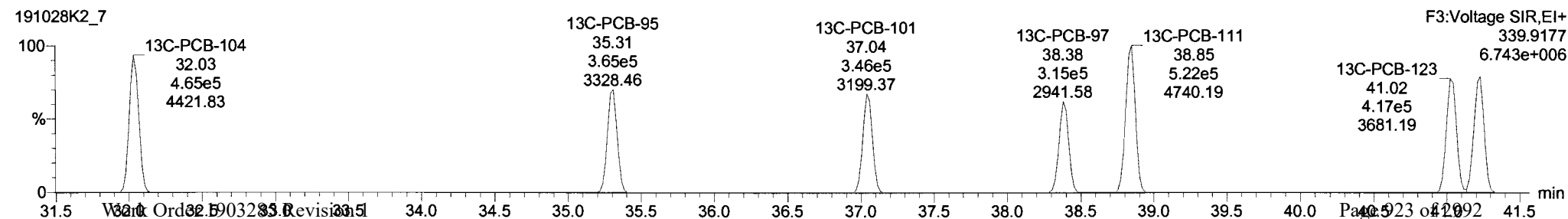


13C-PCB-104

191028K2_7



191028K2_7



Dataset: Untitled

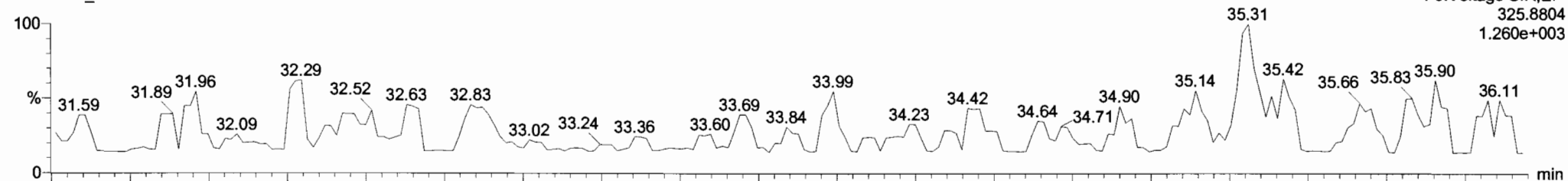
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

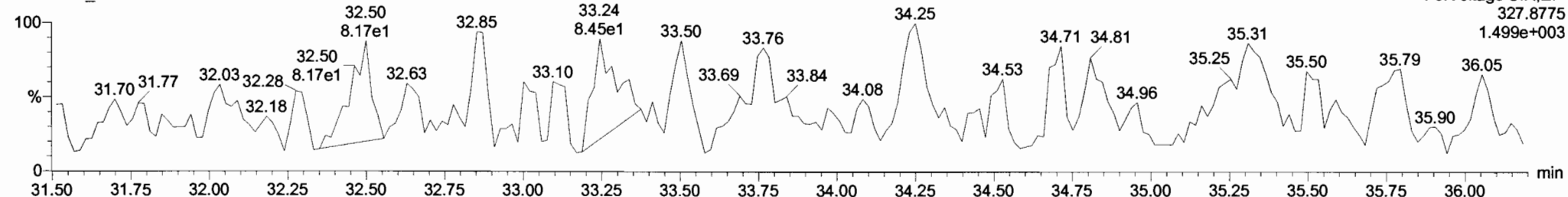
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-96

191028K2_7

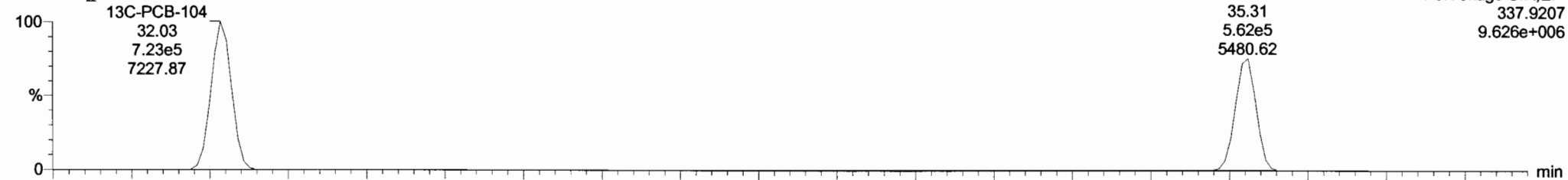


191028K2_7

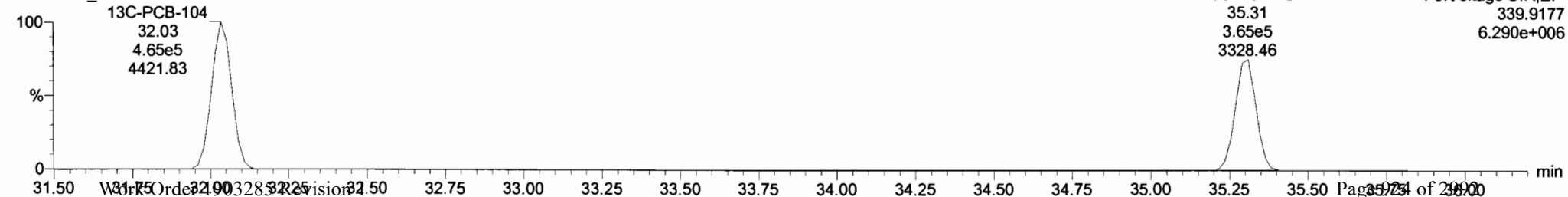


13C-PCB-95

191028K2_7



191028K2_7



Dataset: Untitled

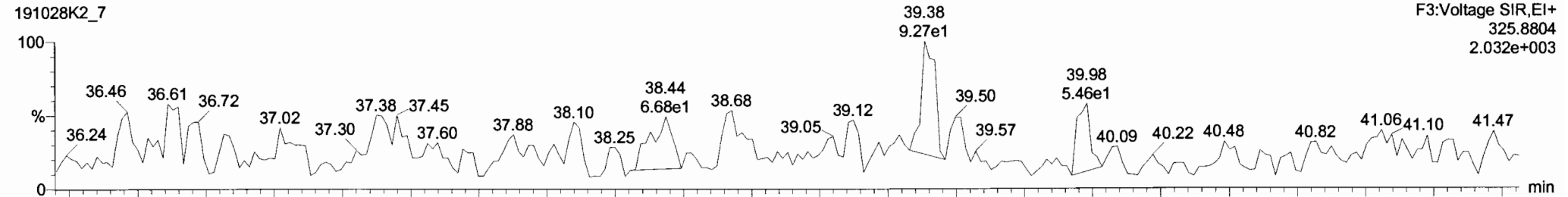
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

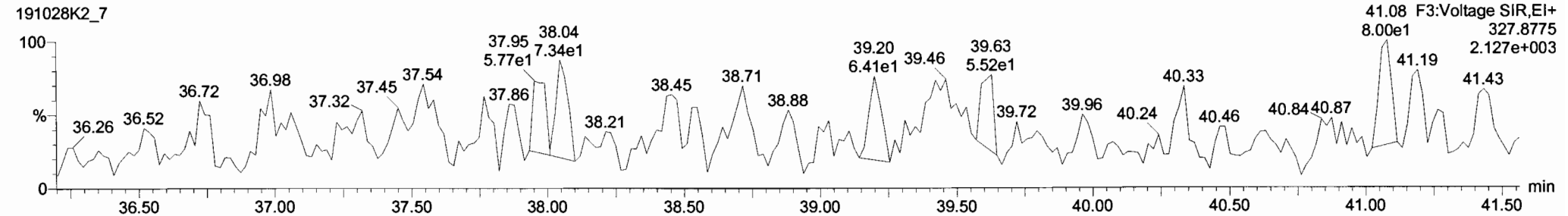
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-119

191028K2_7

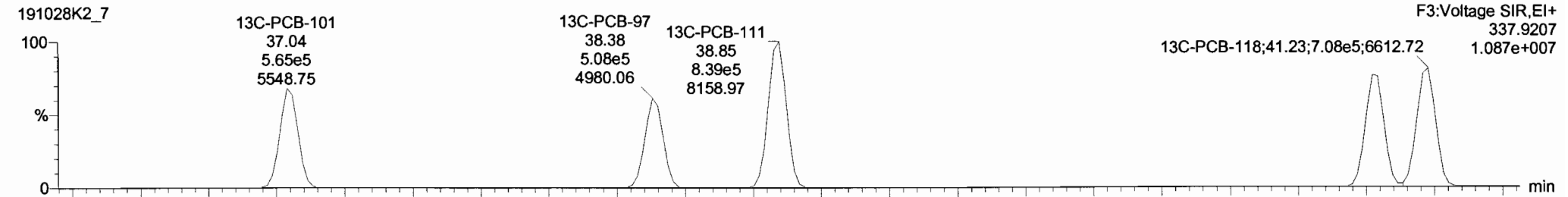


191028K2_7

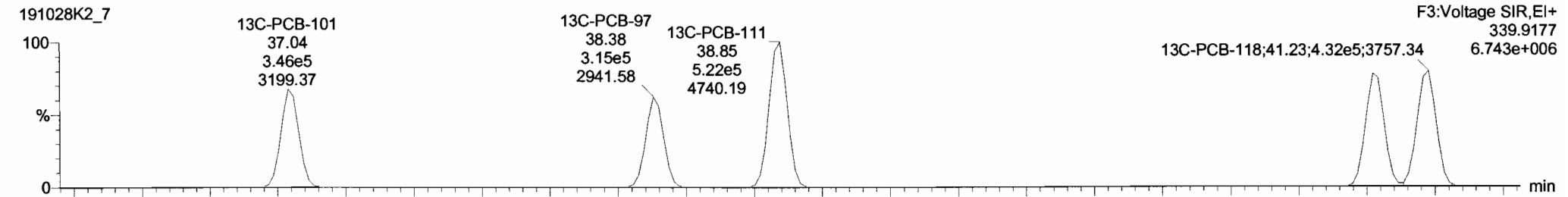


13C-PCB-111

191028K2_7



191028K2_7



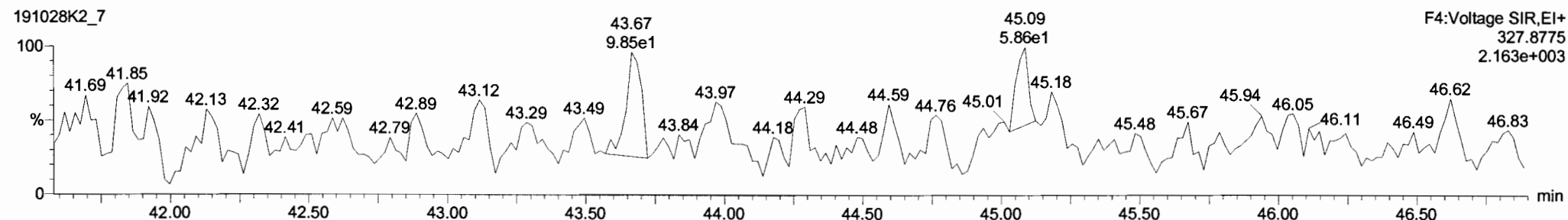
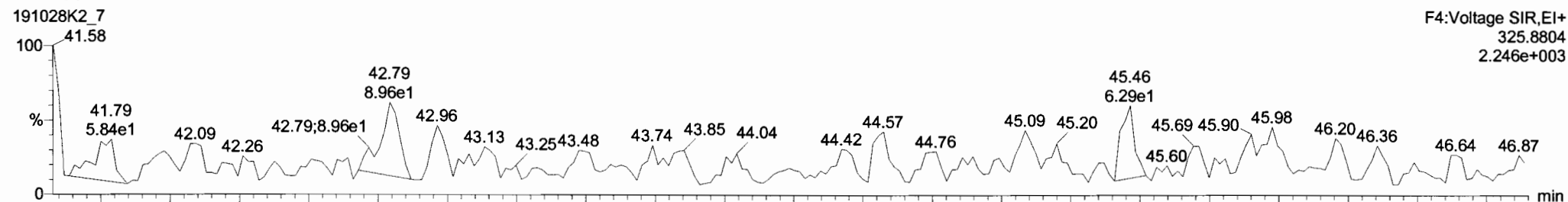
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

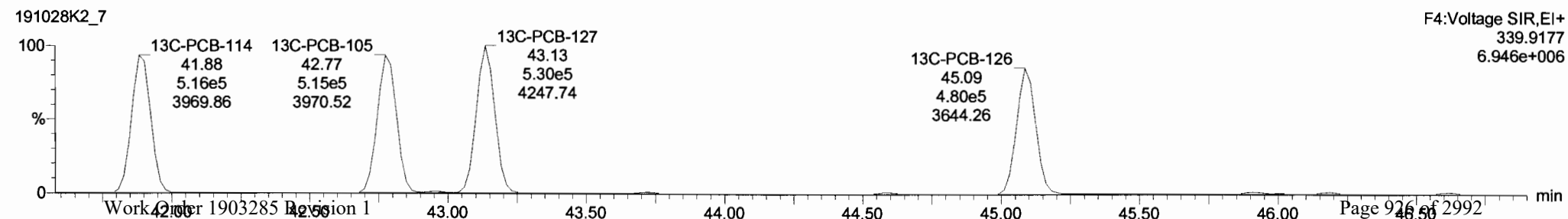
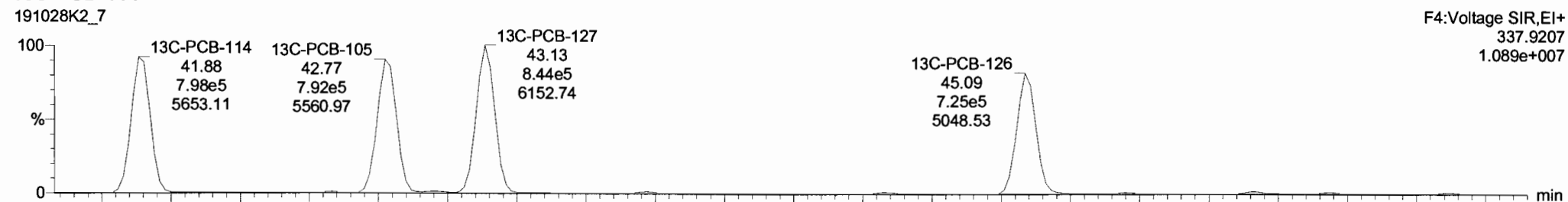
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-114



13C-PCB-114



Dataset: Untitled

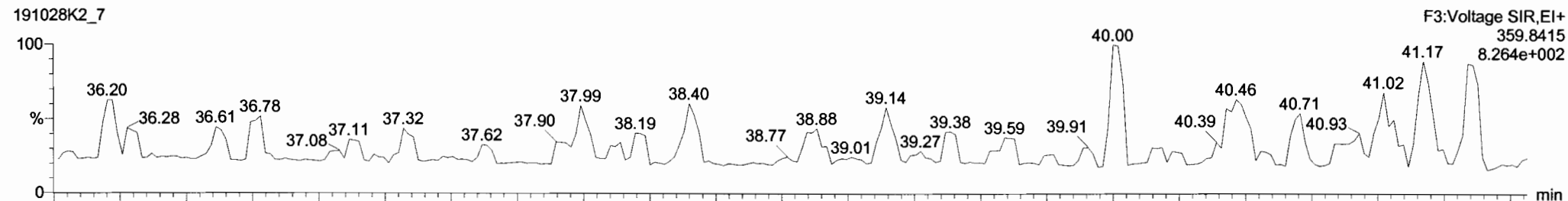
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

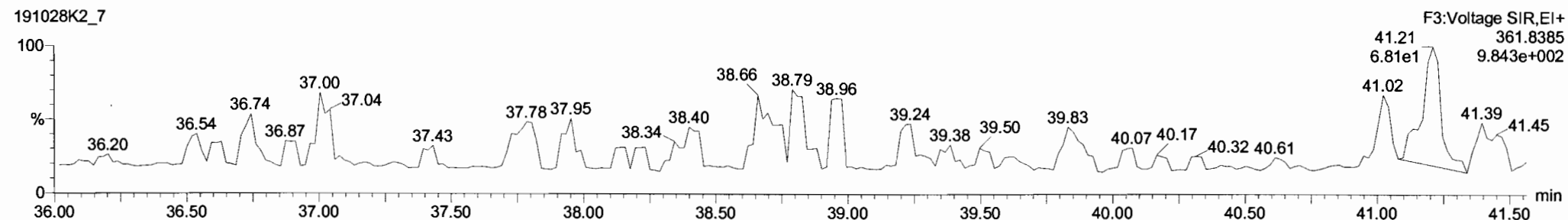
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-155

191028K2_7

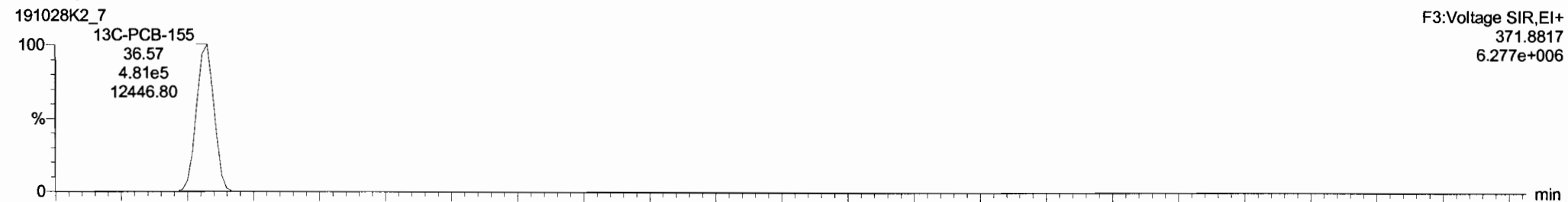


191028K2_7

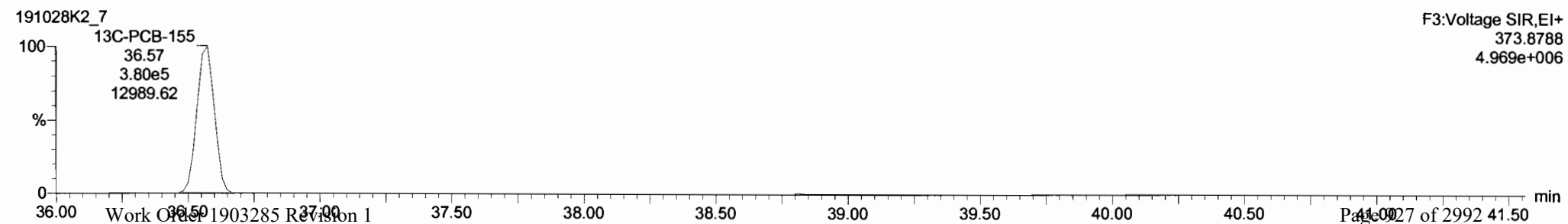


13C-PCB-155

191028K2_7



191028K2_7

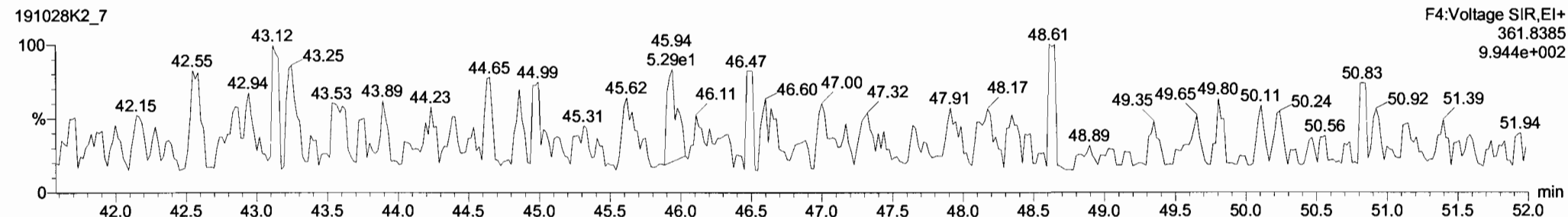
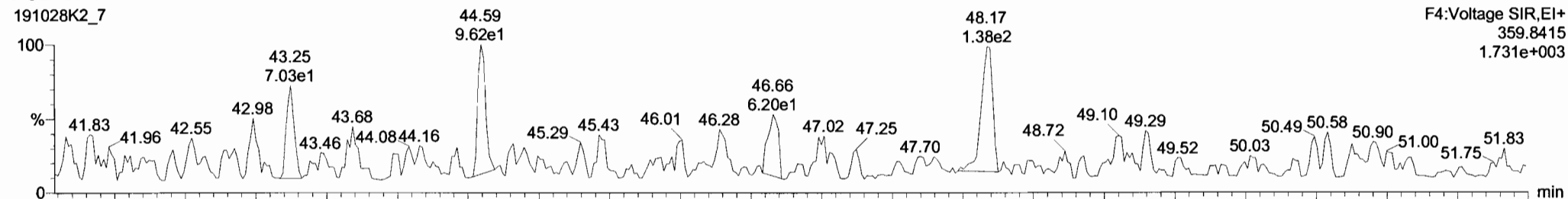


Dataset: Untitled

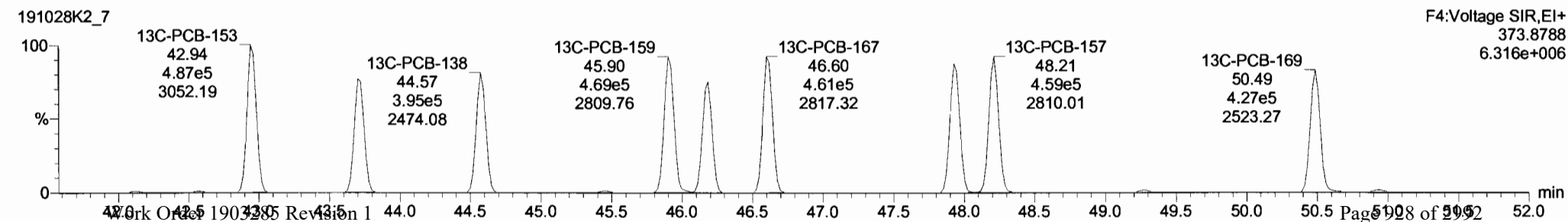
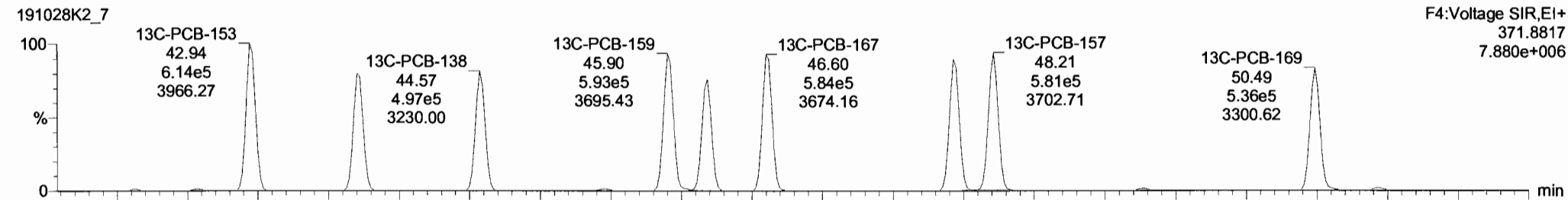
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-134/143



13C-PCB-153

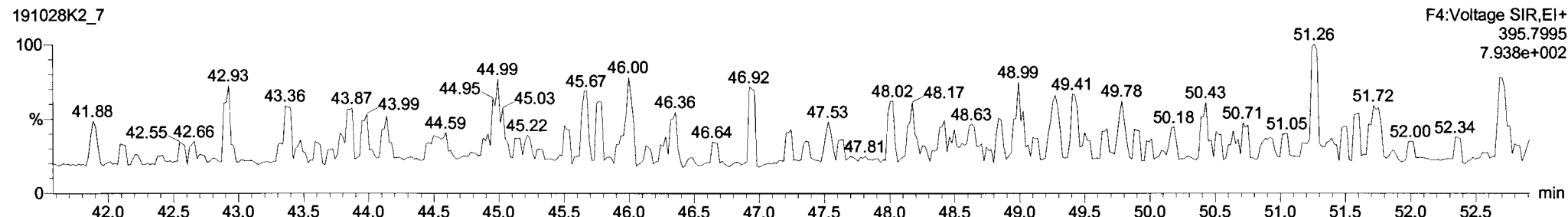
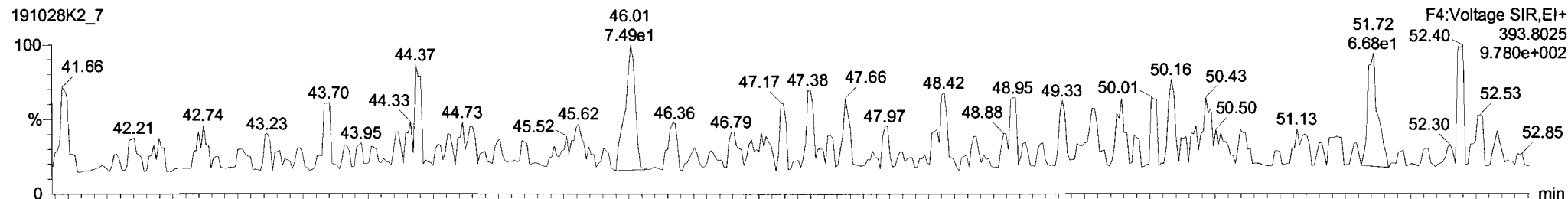


Dataset: Untitled

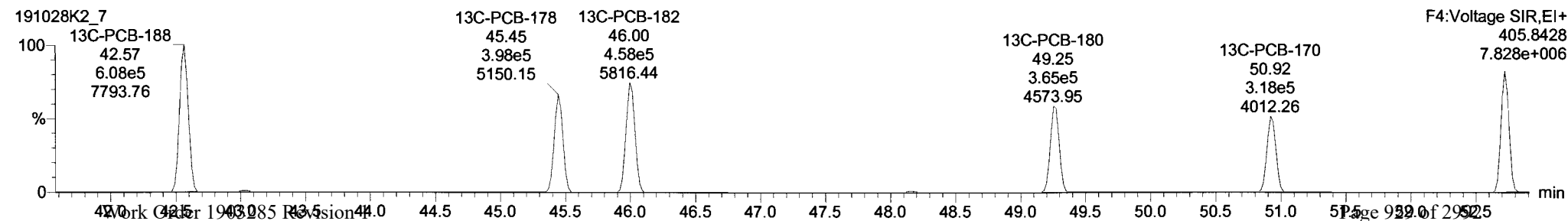
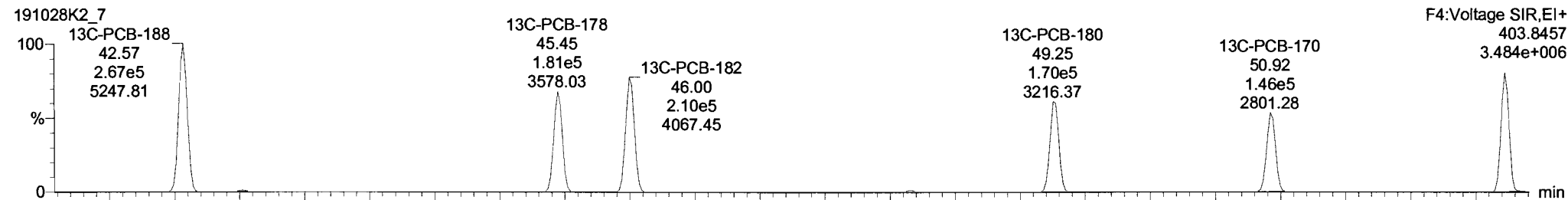
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-188



13C-PCB-188



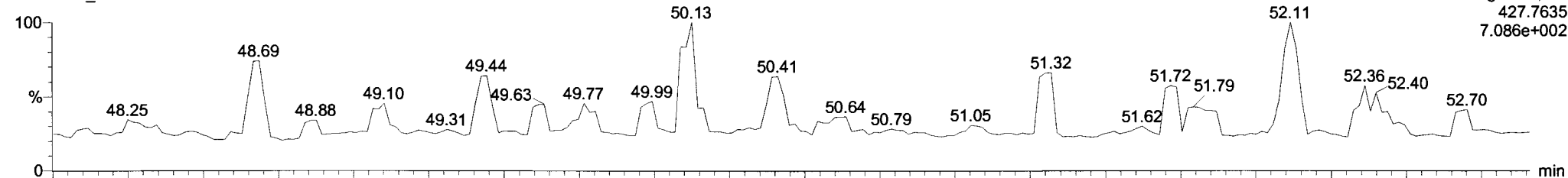
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

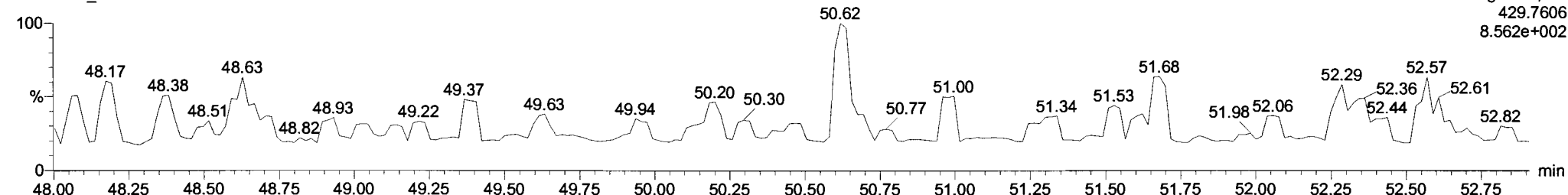
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-202

191028K2_7

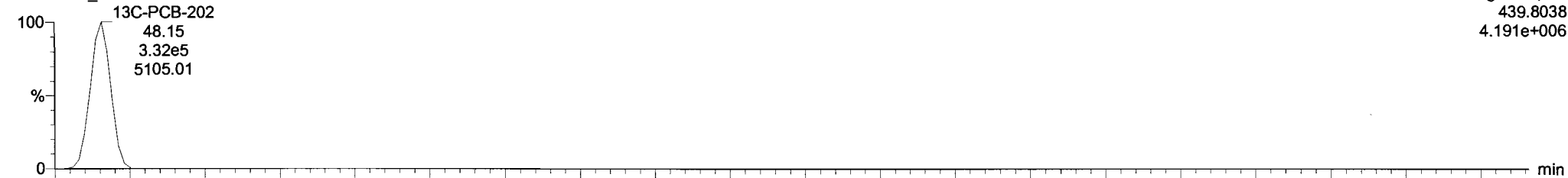


191028K2_7

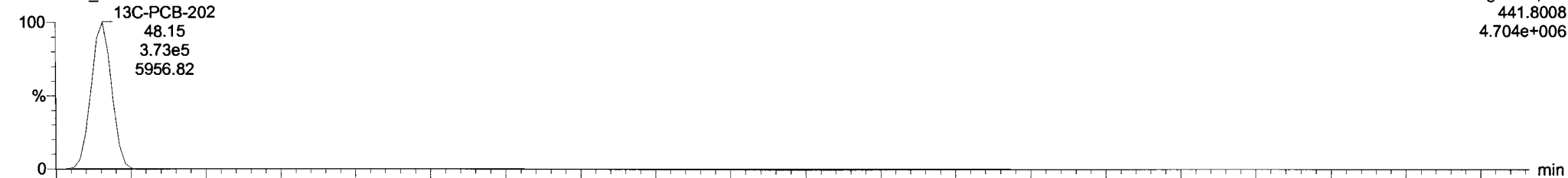


13C-PCB-202

191028K2_7



191028K2_7

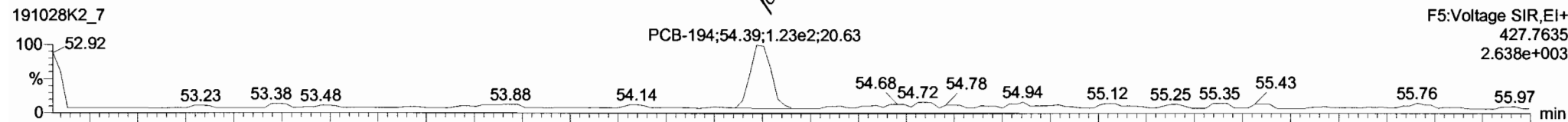


Dataset: Untitled

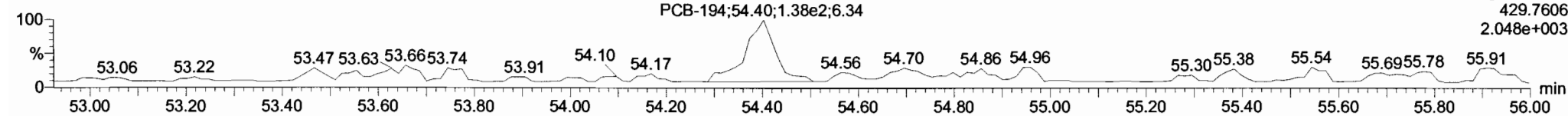
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

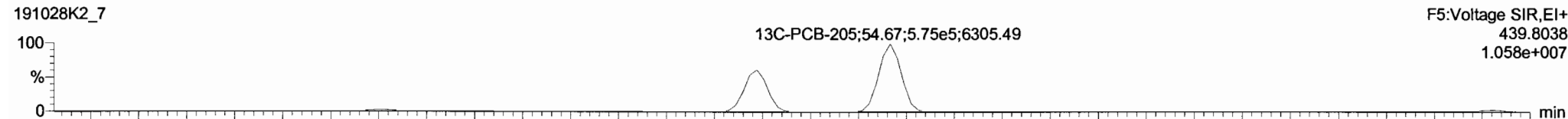
PCB-195



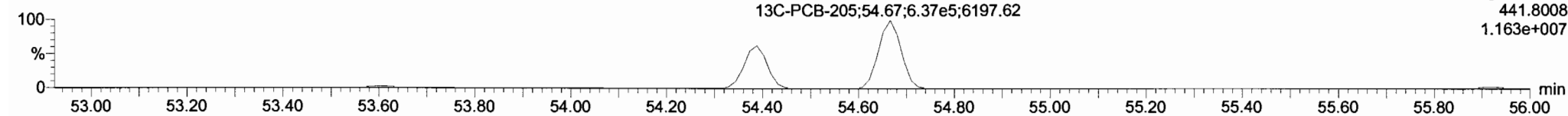
PCB-195



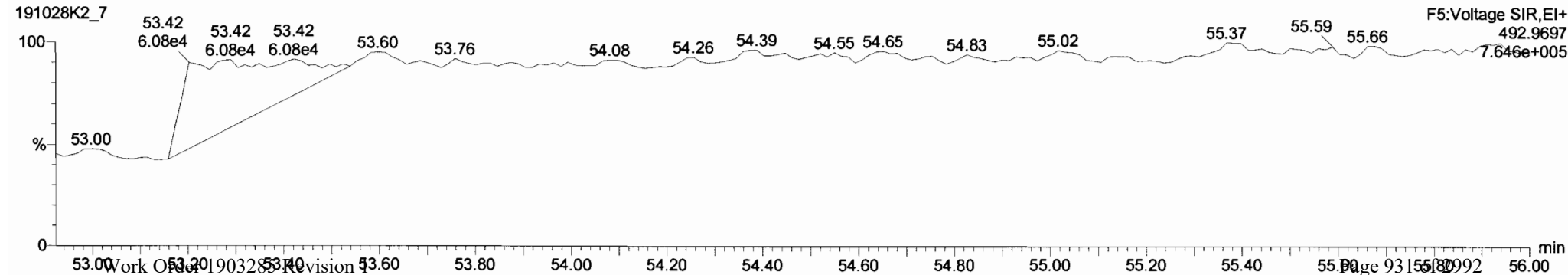
13C-PCB-194



13C-PCB-194

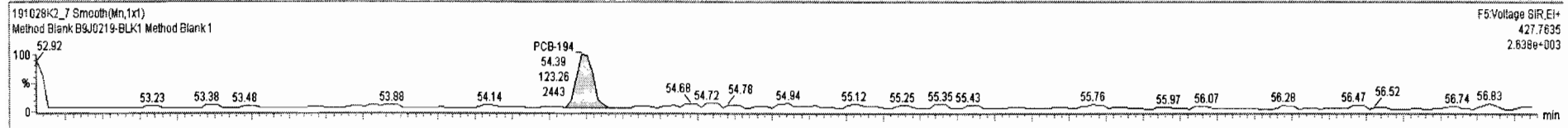


PFK5

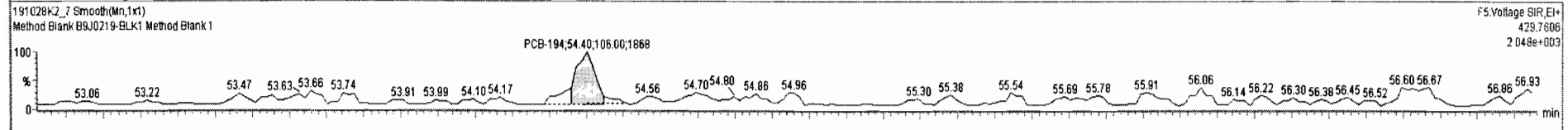


#	Name	Resp	RA	n/y	RRF	wVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000			NO				33.1
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.000			NO				36.3
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.000			NO				12.7
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00	0.000			NO	0.0000		3.03	4.527
236	236 Total Nona-PCBs				0.9446	1.000	0.00	0.000			NO				1.46
237	237 Deca-CB				0.9426	1.000	0.00	0.000			NO				0.485
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														

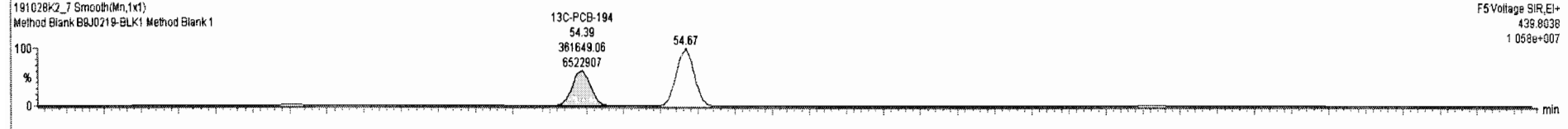
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	163 PCB-194	54.40	54.39	1.233e2	1.060e2	0.890	1.16	YES	4.5274	0.00000



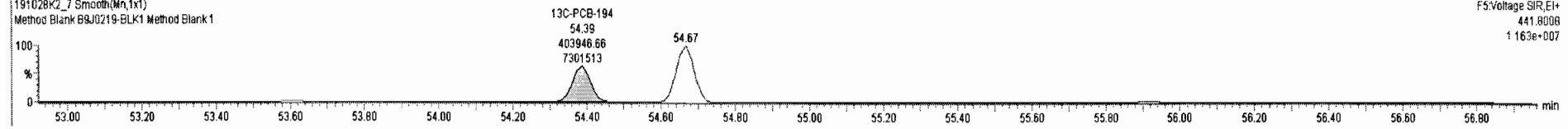
F5 Voltage SIR, EI+
427.7635
2.638e+003



F5 Voltage SIR, EI+
429.7806
2.048e+003



F5 Voltage SIR, EI+
439.8038
1.059e+007



F5 Voltage SIR, EI+
441.8008
1.163e+007

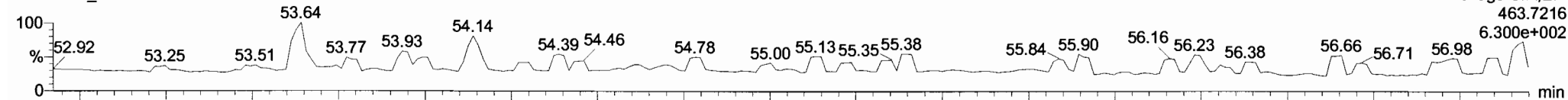
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

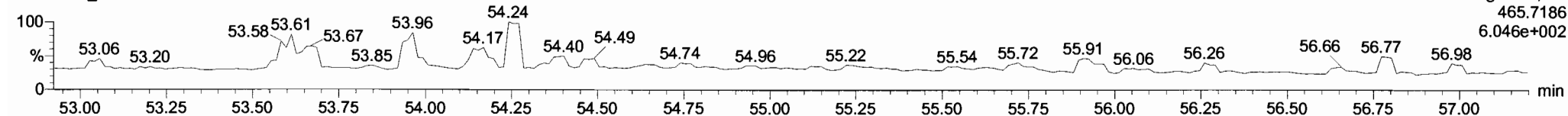
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-208

191028K2_7

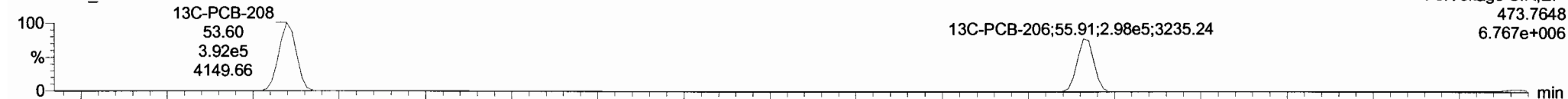


191028K2_7

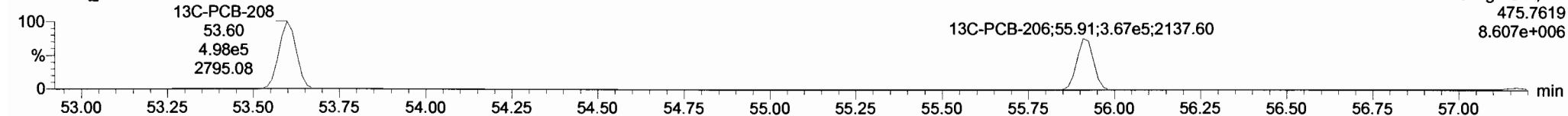


13C-PCB-208

191028K2_7

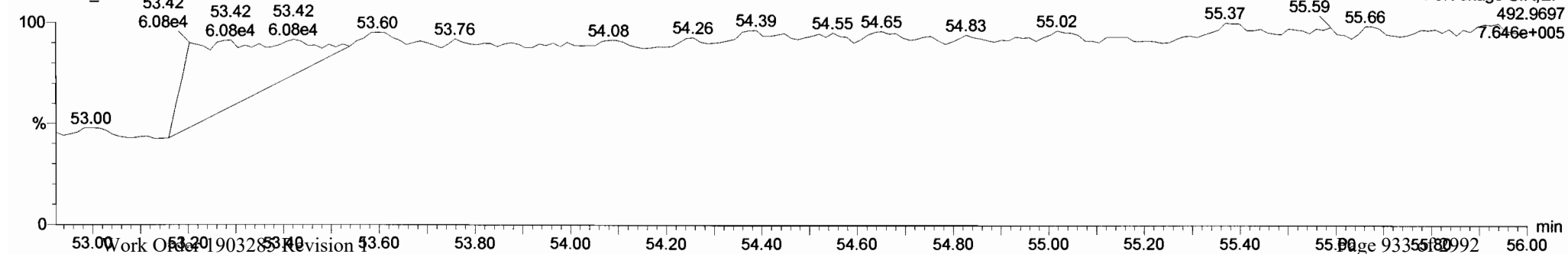


191028K2_7



PFK5

191028K2_7



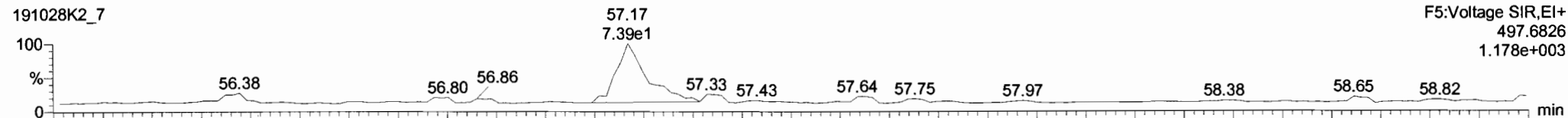
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

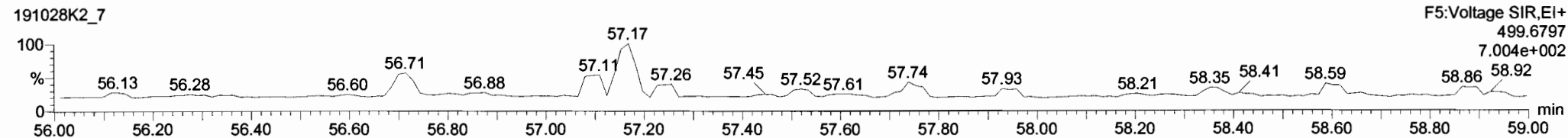
Name: 191028K2_7, Date: 28-Oct-2019, Time: 21:39:45, ID: B9J0219-BLK1 Method Blank 1, Description: Method Blank

PCB-209

191028K2_7

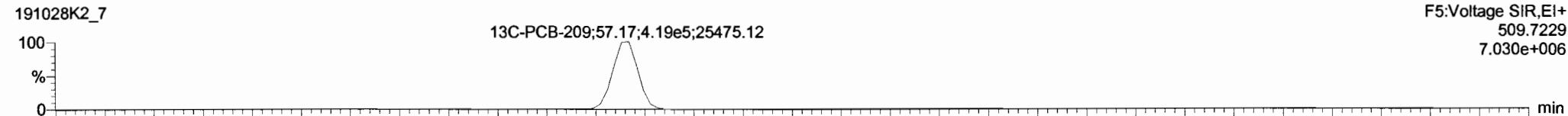


191028K2_7

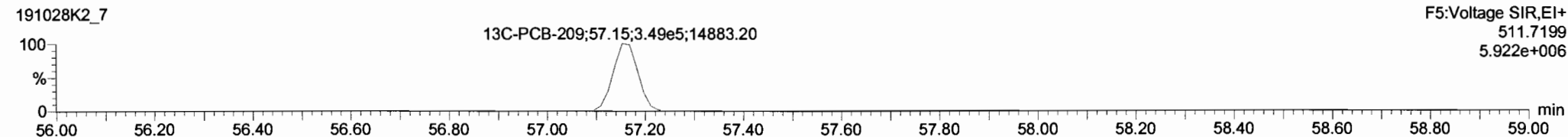


13C-PCB-209

191028K2_7

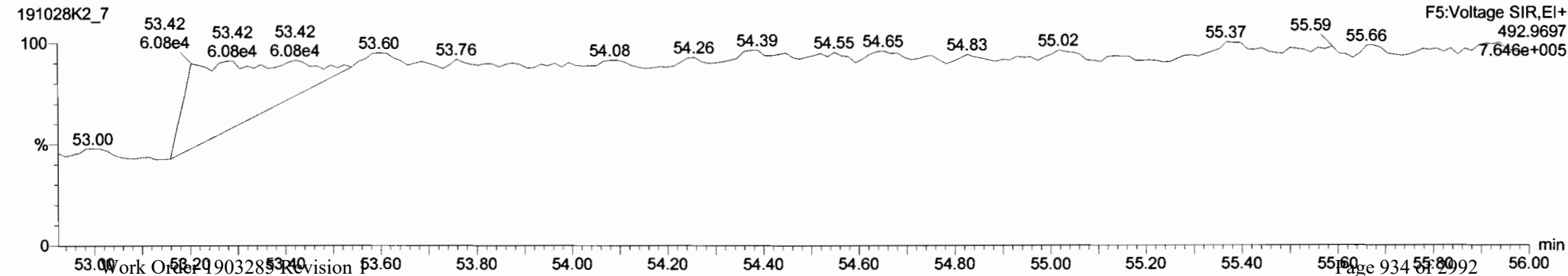


191028K2_7



PFK5

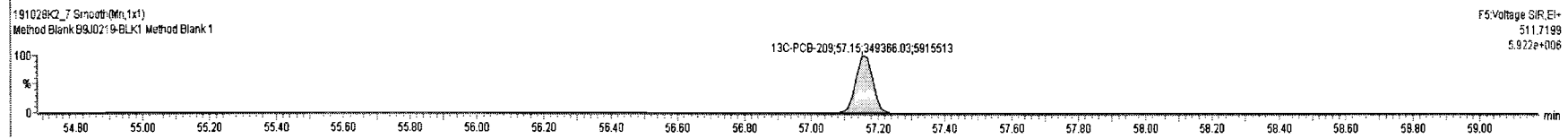
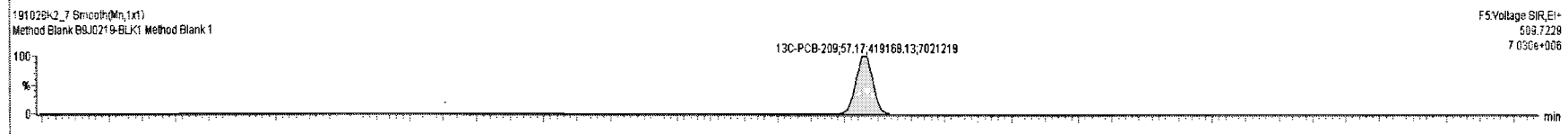
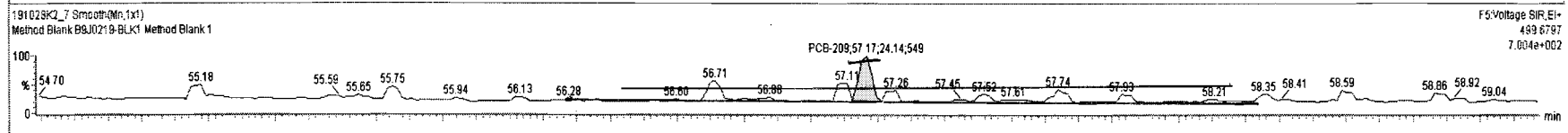
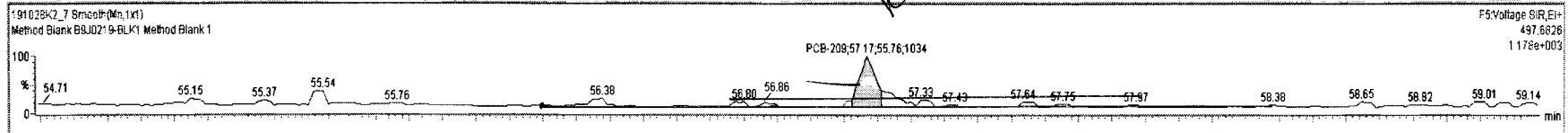
191028K2_7



191028K2_7-B9J0219-BLK1 Method Blank 1 - Method Blank

#	Name	Resa	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RR1	RR1 Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO			33.1	
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO			36.3	
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO			12.7	
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	0.0000		3.03	4.527
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO			1.46	
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	0.0000		0.944	1.446
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	** Ratio (Pred)	RA	nly	EMPC	Conc
168	PCB-209	57.17	57.17	5.579e1	2.414e1	1.170	2.31	YES	1.4462	0.00000



Dataset: U:\VG11.PRO\Results\191028K2\191028K2-3.qld

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HL 10.29.19

CT 10/31/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.42e6	3.07	NO	1.02	1.000	15.23	15.24	1.001	1.001	NO	12650		1.68	12650
2	2 PCB-2	1.50e6	3.09	NO	1.01	1.000	17.63	17.62	0.988	0.988	NO	12770		1.57	12770
3	3 PCB-3	1.46e6	3.08	NO	1.01	1.000	17.85	17.85	1.001	1.001	NO	12430		1.57	12430
4	4 PCB-4/10	2.30e6	1.54	NO	1.28	1.000	19.26	19.26	1.004	1.004	NO	22430		8.11	22430
5	5 PCB-7/9	2.67e6	1.58	NO	0.976	1.000	21.05	21.02	1.003	1.001	NO	22130		7.09	22130
6	6 PCB-6	1.40e6	1.58	NO	1.02	1.000	21.69	21.69	1.033	1.033	NO	11150		6.81	11150
7	7 PCB-5/8	2.79e6	1.56	NO	1.01	1.000	22.09	22.10	1.052	1.053	NO	22290		6.85	22290
8	8 PCB-14	1.42e6	1.59	NO	1.03	1.000	23.25	23.22	0.952	0.951	NO	10810		6.93	10810
9	9 PCB-11	1.58e6	1.58	NO	1.10	1.000	24.45	24.45	1.001	1.001	NO	11330		6.53	11330
10	10 PCB-12/13	2.95e6	1.56	NO	1.04	1.000	24.87	24.81	1.018	1.016	NO	22370		6.90	22370
11	11 PCB-15	1.50e6	1.57	NO	1.03	1.000	25.17	25.16	1.030	1.030	NO	11440		6.96	11440
12	12 PCB-19	7.00e5	1.04	NO	0.934	1.000	23.42	23.41	1.001	1.001	NO	12160		3.25	12160
13	13 PCB-30	1.14e6	1.02	NO	1.48	1.000	24.32	24.31	1.040	1.040	NO	12510		2.05	12510
14	14 PCB-18	7.66e5	1.01	NO	0.693	1.000	25.09	25.08	0.951	0.951	NO	11750		2.98	11750
15	15 PCB-17	7.16e5	1.05	NO	0.667	1.000	25.27	25.26	0.958	0.958	NO	11410		3.09	11410
16	16 PCB-24/27	2.10e6	1.02	NO	0.915	1.000	25.87	25.85	0.981	0.980	NO	24350		2.25	24350
17	17 PCB-16/32	1.78e6	1.01	NO	0.792	1.000	26.39	26.38	1.001	1.000	NO	23920		2.60	23920
18	18 PCB-34	1.30e6	1.04	NO	0.987	1.000	27.20	27.20	0.959	0.959	NO	12230		7.49	12230
19	19 PCB-23	9.75e5	1.05	NO	0.974	1.000	27.30	27.29	0.962	0.962	NO	9270		7.59	9270
20	20 PCB-29	1.04e6	1.04	NO	0.953	1.000	27.53	27.53	0.970	0.970	NO	10120		7.76	10120
21	21 PCB-26	1.10e6	1.03	NO	1.00	1.000	27.77	27.75	0.979	0.978	NO	10160		7.39	10160
22	22 PCB-25	1.10e6	1.04	NO	0.978	1.000	27.92	27.92	0.984	0.984	NO	10370		7.56	10370
23	23 PCB-31	1.21e6	1.04	NO	1.12	1.000	28.30	28.29	0.998	0.997	NO	9971		6.58	9971
24	24 PCB-28	1.25e6	1.04	NO	1.11	1.000	28.39	28.39	1.001	1.001	NO	10490		6.69	10490
25	25 PCB-20/21/33	3.31e6	1.04	NO	1.00	1.000	29.02	29.02	1.023	1.023	NO	30530		7.37	30530
26	26 PCB-22	1.13e6	1.04	NO	1.03	1.000	29.49	29.49	1.039	1.039	NO	10170		7.16	10170
27	27 PCB-36	1.19e6	1.06	NO	1.18	1.000	30.10	30.12	0.930	0.931	NO	9721		6.47	9721
28	28 PCB-39	1.12e6	1.02	NO	1.08	1.000	30.58	30.60	0.945	0.946	NO	9949		7.02	9949
29	29 PCB-38	1.23e6	1.04	NO	1.13	1.000	31.38	31.38	0.970	0.970	NO	10500		6.74	10500
30	30 PCB-35	1.27e6	1.06	NO	1.13	1.000	31.92	31.92	0.987	0.987	NO	10800		6.72	10800
31	31 PCB-37	1.23e6	1.04	NO	1.11	1.000	32.39	32.37	1.001	1.001	NO	10710		6.88	10710
32	32 PCB-54	9.72e5	0.72	NO	0.996	1.000	27.23	27.23	1.001	1.001	NO	11600		4.47	11600

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-3.qld

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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	7.27e5	0.72	NO	0.781	1.000	28.44	28.44	1.045	1.045	NO	11060		5.69	11060
34	34 PCB-53	6.82e5	0.73	NO	0.955	1.000	29.12	29.09	0.943	0.943	NO	10960		6.15	10960
35	35 PCB-51	7.20e5	0.73	NO	1.02	1.000	29.46	29.45	0.955	0.954	NO	10810		5.74	10810
36	36 PCB-45	5.87e5	0.73	NO	0.808	1.000	29.89	29.89	0.969	0.969	NO	11150		7.27	11150
37	37 PCB-46	5.58e5	0.74	NO	0.754	1.000	30.40	30.40	0.985	0.985	NO	11370		7.80	11370
38	38 PCB-52/69	1.64e6	0.73	NO	1.09	1.000	30.90	30.90	1.001	1.001	NO	23130		5.38	23130
39	39 PCB-73	1.01e6	0.74	NO	1.29	1.000	31.02	31.01	1.005	1.005	NO	11990		4.56	11990
40	40 PCB-43/49	1.42e6	0.73	NO	0.940	1.000	31.18	31.18	1.010	1.010	NO	23180		6.25	23180
41	41 PCB-47	6.90e5	0.72	NO	0.869	1.000	31.38	31.40	1.001	1.001	NO	11230		6.20	11230
42	42 PCB-48/75	1.69e6	0.74	NO	1.02	1.000	31.49	31.51	1.004	1.005	NO	23330		5.25	23330
43	43 PCB-65	9.26e5	0.72	NO	1.11	1.000	31.76	31.77	1.013	1.013	NO	11810		4.86	11810
44	44 PCB-62	9.16e5	0.74	NO	1.07	1.000	31.87	31.89	1.016	1.017	NO	12150		5.05	12150
45	45 PCB-44	6.22e5	0.74	NO	0.761	1.000	32.20	32.20	1.027	1.027	NO	11560		7.07	11560
46	46 PCB-42/59	1.58e6	0.74	NO	0.960	1.000	32.41	32.44	1.033	1.034	NO	23340		5.61	23340
47	47 PCB-41/64/71/72	3.68e6	0.73	NO	1.08	1.000	33.02	33.04	1.053	1.053	NO	48110		4.98	48110
48	48 PCB-68	9.90e5	0.73	NO	1.11	1.000	33.31	33.32	1.062	1.062	NO	12620		4.86	12620
49	49 PCB-40	4.63e5	0.74	NO	0.577	1.000	33.53	33.52	1.069	1.069	NO	11350		9.34	11350
50	50 PCB-57	1.03e6	0.73	NO	1.05	1.000	33.89	33.91	0.969	0.969	NO	12020		4.44	12020
51	51 PCB-67	9.85e5	0.73	NO	0.993	1.000	34.21	34.23	0.978	0.978	NO	12110		4.68	12110
52	52 PCB-58	1.01e6	0.75	NO	1.11	1.000	34.34	34.34	0.981	0.981	NO	11080		4.18	11080
53	53 PCB-63	9.32e5	0.73	NO	0.962	1.000	34.49	34.51	0.986	0.986	NO	11830		4.83	11830
54	54 PCB-74	1.02e6	0.73	NO	1.07	1.000	34.80	34.79	0.994	0.994	NO	11620		4.36	11620
55	55 PCB-61/70	1.85e6	0.73	NO	0.986	1.000	35.01	34.94	1.000	0.998	NO	22940		4.72	22940
56	56 PCB-76/66	2.01e6	0.73	NO	1.07	1.000	35.17	35.22	1.005	1.006	NO	23020		4.36	23020
57	57 PCB-80	1.06e6	0.73	NO	1.08	1.000	35.46	35.46	1.001	1.001	NO	11590		4.14	11590
58	58 PCB-55	1.03e6	0.73	NO	1.07	1.000	35.78	35.77	1.010	1.009	NO	11370		4.20	11370
59	59 PCB-56/60	1.82e6	0.73	NO	0.934	1.000	36.30	36.28	1.024	1.024	NO	23060		4.80	23060
60	60 PCB-79	1.04e6	0.72	NO	1.04	1.000	37.39	37.39	1.055	1.055	NO	11740		4.29	11740
61	61 PCB-78	9.68e5	0.74	NO	1.03	1.000	38.11	38.10	0.987	0.987	NO	11070		4.46	11070
62	62 PCB-81	9.03e5	0.75	NO	0.933	1.000	38.64	38.64	1.000	1.000	NO	11430		4.94	11430
63	63 PCB-77	9.92e5	0.75	NO	1.03	1.000	39.26	39.25	1.000	1.000	NO	11610		4.66	11610
64	64 PCB-104	7.61e5	1.55	NO	0.995	1.000	32.05	32.07	1.001	1.001	NO	11300		3.63	11300
65	65 PCB-96	7.74e5	1.51	NO	0.996	1.000	33.35	33.36	1.041	1.041	NO	11490		3.63	11490
66	66 PCB-103	5.89e5	1.54	NO	0.774	1.000	33.91	33.91	1.059	1.059	NO	11230		4.67	11230
67	67 PCB-100	5.92e5	1.50	NO	0.778	1.000	34.28	34.29	1.070	1.070	NO	11250		4.65	11250
68	68 PCB-94	4.58e5	1.51	NO	0.773	1.000	34.80	34.77	0.985	0.985	NO	11700		6.42	11700

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-3.qld

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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.77e6	1.49	NO	1.01	1.000	35.26	35.25	0.999	0.998	NO	34530		4.90	34530
70	70 PCB-93	4.70e5	1.55	NO	0.841	1.000	35.39	35.38	1.002	1.002	NO	11020		5.91	11020
71	71 PCB-88/91	1.01e6	1.54	NO	0.890	1.000	35.73	35.74	1.012	1.012	NO	22390		5.58	22390
72	72 PCB-121	8.27e5	1.56	NO	1.39	1.000	35.85	35.83	1.015	1.015	NO	11790		3.58	11790
73	73 PCB-84/92	9.83e5	1.51	NO	0.879	1.000	36.68	36.67	0.990	0.990	NO	22640		5.69	22640
74	74 PCB-89	5.26e5	1.53	NO	0.959	1.000	36.85	36.85	0.995	0.995	NO	11090		5.21	11090
75	75 PCB-90/101	1.08e6	1.53	NO	0.944	1.000	37.06	37.06	1.000	1.000	NO	23070		5.29	23070
76	76 PCB-113	7.18e5	1.50	NO	1.23	1.000	37.30	37.30	1.007	1.007	NO	11810		4.06	11810
77	77 PCB-99	6.28e5	1.58	NO	1.12	1.000	37.40	37.41	1.010	1.010	NO	11360		4.47	11360
78	78 PCB-119	7.52e5	1.54	NO	1.47	1.000	37.88	37.88	0.987	0.987	NO	11700		3.89	11700
79	79 PCB-108/112	1.24e6	1.52	NO	1.25	1.000	38.04	38.04	0.991	0.991	NO	22690		4.58	22690
80	80 PCB-83	7.81e5	1.54	NO	1.55	1.000	38.19	38.21	0.995	0.996	NO	11560		3.70	11560
81	81 PCB-97	5.44e5	1.50	NO	1.07	1.000	38.42	38.40	1.001	1.000	NO	11580		5.32	11580
82	82 PCB-86	4.93e5	1.54	NO	0.996	1.000	38.56	38.57	1.005	1.005	NO	11340		5.75	11340
83	83 PCB-87/117/125	2.07e6	1.49	NO	1.33	1.000	38.67	38.70	1.008	1.008	NO	35640		4.29	35640
84	84 PCB-111/115	1.74e6	1.51	NO	1.60	1.000	38.84	38.85	1.012	1.012	NO	24820		3.57	24820
85	85 PCB-85/116	1.22e6	1.55	NO	1.22	1.000	38.96	38.98	1.015	1.016	NO	22870		4.71	22870
86	86 PCB-120	8.74e5	1.51	NO	1.68	1.000	39.22	39.24	1.022	1.022	NO	11900		3.40	11900
87	87 PCB-110	7.80e5	1.52	NO	1.49	1.000	39.37	39.38	1.026	1.026	NO	12020		3.85	12020
88	88 PCB-82	4.53e5	1.53	NO	0.674	1.000	40.02	40.02	0.976	0.976	NO	10710		5.99	10710
89	89 PCB-124	8.35e5	1.49	NO	1.16	1.000	40.72	40.72	0.993	0.993	NO	11460		3.47	11460
90	90 PCB-107/109	1.62e6	1.51	NO	1.17	1.000	40.87	40.87	0.996	0.996	NO	22180		3.46	22180
91	91 PCB-123	7.47e5	1.51	NO	1.04	1.000	41.04	41.06	1.000	1.001	NO	11450		3.88	11450
92	92 PCB-106/118	1.62e6	1.52	NO	1.07	1.000	41.26	41.26	1.001	1.001	NO	22640		3.56	22640
93	93 PCB-114	8.78e5	1.55	NO	1.16	1.000	41.91	41.90	1.000	1.000	NO	10590		3.96	10590
94	94 PCB-122	7.84e5	1.59	NO	0.973	1.000	42.03	42.05	1.003	1.004	NO	11290		4.74	11290
95	95 PCB-105	8.61e5	1.57	NO	1.10	1.000	42.79	42.81	1.000	1.001	NO	10810		4.16	10810
96	96 PCB-127	9.27e5	1.61	NO	1.11	1.000	43.15	43.15	1.000	1.000	NO	11330		3.96	11330
97	97 PCB-126	9.48e5	1.61	NO	1.21	1.000	45.10	45.10	1.000	1.000	NO	11340		4.04	11340
98	98 PCB-155	4.70e5	1.27	NO	0.874	1.000	36.59	36.59	1.000	1.001	NO	11750		2.12	11750
99	99 PCB-150	4.89e5	1.23	NO	0.881	1.000	37.90	37.90	1.036	1.036	NO	12110		2.11	12110
100	1... PCB-152	5.65e5	1.22	NO	1.00	1.000	38.40	38.38	1.050	1.049	NO	12280		1.85	12280
101	1... PCB-145	5.86e5	1.25	NO	1.00	1.000	38.85	38.85	1.062	1.062	NO	12790		1.86	12790
102	1... PCB-136	4.84e5	1.21	NO	0.843	1.000	39.18	39.18	1.071	1.071	NO	12520		2.20	12520
103	1... PCB-148	3.73e5	1.24	NO	0.693	1.000	39.31	39.29	1.075	1.074	NO	11740		2.68	11740
104	1... PCB-154	4.14e5	1.24	NO	0.724	1.000	39.80	39.79	1.088	1.088	NO	12480		2.56	12480

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-3.qld

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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	3.57e5	1.23	NO	0.632	1.000	40.46	40.46	1.106	1.106	NO	12320		2.94	12320
106	1... PCB-135	4.24e5	1.24	NO	0.716	1.000	40.69	40.69	1.112	1.112	NO	12930		2.59	12930
107	1... PCB-144	3.63e5	1.25	NO	0.667	1.000	40.80	40.78	1.115	1.115	NO	11880		2.78	11880
108	1... PCB-147	3.89e5	1.27	NO	0.661	1.000	40.93	40.93	1.119	1.119	NO	12830		2.81	12830
109	1... PCB-139/149	9.11e5	1.25	NO	0.738	1.000	41.21	41.19	1.127	1.126	NO	26920		2.51	26920
110	1... PCB-140	3.55e5	1.31	NO	0.627	1.000	41.39	41.39	1.132	1.132	NO	12350		2.96	12350
111	1... PCB-134/143	9.65e5	1.17	NO	0.733	1.000	41.87	41.85	0.975	0.974	NO	22850		11.0	22850
112	1... PCB-131/133	1.02e6	1.19	NO	0.790	1.000	42.15	42.15	0.982	0.981	NO	22430		10.2	22430
113	1... PCB-142	4.66e5	1.24	NO	0.708	1.000	42.30	42.30	0.985	0.985	NO	11440		11.4	11440
114	1... PCB-146/165	1.25e6	1.21	NO	0.959	1.000	42.55	42.55	0.991	0.991	NO	22670		8.43	22670
115	1... PCB-132/161	1.28e6	1.18	NO	0.974	1.000	42.78	42.79	0.996	0.996	NO	22890		8.30	22890
116	1... PCB-153	6.44e5	1.19	NO	1.01	1.000	42.96	42.96	1.000	1.000	NO	11050		7.99	11050
117	1... PCB-168	6.56e5	1.20	NO	1.02	1.000	43.19	43.19	1.006	1.006	NO	11180		7.93	11180
118	1... PCB-141	5.19e5	1.19	NO	0.967	1.000	43.74	43.74	1.000	1.000	NO	11320		10.5	11320
119	1... PCB-137	5.11e5	1.19	NO	0.987	1.000	44.12	44.12	1.009	1.009	NO	10940		10.3	10940
120	1... PCB-130	4.57e5	1.22	NO	0.840	1.000	44.23	44.23	1.012	1.012	NO	11500		12.1	11500
121	1... PCB-138/163/164	2.09e6	1.21	NO	1.23	1.000	44.61	44.63	1.001	1.001	NO	34280		7.61	34280
122	1... PCB-158/160	1.34e6	1.21	NO	1.18	1.000	44.86	44.86	1.006	1.006	NO	22910		7.92	22910
123	1... PCB-129	4.40e5	1.16	NO	0.819	1.000	45.10	45.10	1.012	1.012	NO	10800		11.4	10800
124	1... PCB-166	7.51e5	1.21	NO	1.07	1.000	45.59	45.58	0.993	0.993	NO	11220		7.19	11220
125	1... PCB-159	8.09e5	1.20	NO	1.12	1.000	45.92	45.92	1.000	1.000	NO	11540		6.87	11540
126	1... PCB-128/162	1.24e6	1.19	NO	0.851	1.000	46.20	46.22	1.007	1.007	NO	23360		9.04	23360
127	1... PCB-167	7.38e5	1.19	NO	1.04	1.000	46.62	46.62	1.000	1.000	NO	11320		7.32	11320
128	1... PCB-156	7.61e5	1.20	NO	1.06	1.000	47.95	47.95	1.000	1.000	NO	11350		7.21	11350
129	1... PCB-157	6.91e5	1.21	NO	0.978	1.000	48.25	48.23	1.001	1.000	NO	11280		7.73	11280
130	1... PCB-169	7.55e5	1.22	NO	1.11	1.000	50.51	50.50	1.000	1.000	NO	11160		7.37	11160
131	1... PCB-188	6.34e5	1.04	NO	1.19	1.000	42.60	42.59	1.001	1.000	NO	10830		5.38	10830
132	1... PCB-184	6.29e5	1.03	NO	1.17	1.000	43.04	43.06	1.011	1.012	NO	10990		5.50	10990
133	1... PCB-179	6.28e5	1.03	NO	1.18	1.000	43.84	43.85	1.030	1.030	NO	10890		5.46	10890
134	1... PCB-176	6.43e5	1.02	NO	1.16	1.000	44.31	44.33	1.041	1.041	NO	11300		5.54	11300
135	1... PCB-186	6.85e5	1.03	NO	1.22	1.000	44.92	44.95	1.055	1.056	NO	11470		5.27	11470
136	1... PCB-178	4.69e5	1.03	NO	0.830	1.000	45.42	45.46	1.067	1.068	NO	11520		7.73	11520
137	1... PCB-175	4.76e5	1.01	NO	0.849	1.000	45.77	45.82	1.075	1.077	NO	11440		7.56	11440
138	1... PCB-182/187	1.10e6	1.04	NO	0.960	1.000	45.97	46.01	1.080	1.081	NO	23310		6.69	23310
139	1... PCB-183	5.17e5	1.03	NO	0.957	1.000	46.29	46.34	1.088	1.089	NO	11020		6.71	11020
140	1... PCB-185	4.73e5	1.04	NO	1.32	1.000	47.05	47.00	0.955	0.954	NO	11000		7.63	11000

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-3.qld

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	4.48e5	1.05	NO	1.22	1.000	47.42	47.38	0.962	0.962	NO	11260		8.26	11260
142	1... PCB-181	5.15e5	1.06	NO	1.41	1.000	47.51	47.49	0.964	0.964	NO	11150		7.12	11150
143	1... PCB-177	4.45e5	1.01	NO	1.24	1.000	47.69	47.66	0.968	0.967	NO	11010		8.12	11010
144	1... PCB-171	4.68e5	1.02	NO	1.24	1.000	47.98	47.97	0.974	0.973	NO	11550		8.11	11550
145	1... PCB-173	4.02e5	1.03	NO	1.14	1.000	48.42	48.40	0.983	0.982	NO	10790		8.82	10790
146	1... PCB-172	4.73e5	1.03	NO	1.31	1.000	48.89	48.88	0.992	0.992	NO	11090		7.70	11090
147	1... PCB-192	6.25e5	1.04	NO	1.70	1.000	49.09	49.06	0.996	0.996	NO	11260		5.92	11260
148	1... PCB-180	4.92e5	1.03	NO	1.32	1.000	49.29	49.29	1.000	1.000	NO	11420		7.63	11420
149	1... PCB-193	5.63e5	1.05	NO	1.54	1.000	49.52	49.50	1.005	1.005	NO	11200		6.54	11200
150	1... PCB-191	5.69e5	1.03	NO	1.57	1.000	49.76	49.77	1.010	1.010	NO	11100		6.40	11100
151	1... PCB-170	4.20e5	1.04	NO	1.36	1.000	50.94	50.94	1.000	1.000	NO	10750		8.14	10750
152	1... PCB-190	5.56e5	1.03	NO	1.84	1.000	51.12	51.15	1.004	1.004	NO	10520		6.01	10520
153	1... PCB-189	6.48e5	1.01	NO	1.33	1.000	52.74	52.74	1.000	1.000	NO	11310		4.92	11310
154	1... PCB-202	4.99e5	0.92	NO	1.02	1.000	48.19	48.17	1.001	1.000	NO	11140		4.10	11140
155	1... PCB-201	4.21e5	0.91	NO	0.915	1.000	48.68	48.67	1.011	1.011	NO	10520		4.59	10520
156	1... PCB-204	4.69e5	0.93	NO	0.979	1.000	48.82	48.84	1.014	1.014	NO	10960		4.29	10960
157	1... PCB-197	4.57e5	0.89	NO	0.979	1.000	49.14	49.14	1.020	1.020	NO	10680		4.29	10680
158	1... PCB-200	4.37e5	0.93	NO	0.954	1.000	50.08	50.07	1.040	1.040	NO	10470		4.40	10470
159	1... PCB-198	3.60e5	0.89	NO	0.748	1.000	51.68	51.68	1.073	1.073	NO	10990		5.61	10990
160	1... PCB-199	3.54e5	0.92	NO	0.706	1.000	51.81	51.81	1.076	1.076	NO	11470		5.95	11470
161	1... PCB-196/203	7.53e5	0.91	NO	0.785	1.000	52.14	52.13	1.083	1.083	NO	21950		5.35	21950
162	1... PCB-195	5.53e5	0.89	NO	1.03	1.000	53.49	53.45	0.984	0.983	NO	10980		4.99	10980
163	1... PCB-194	6.12e5	0.88	NO	1.16	1.000	54.40	54.40	1.000	1.000	NO	10870		4.46	10870
164	1... PCB-205	7.83e5	0.90	NO	1.40	1.000	54.67	54.68	1.005	1.005	NO	11470		3.68	11470
165	1... PCB-208	5.76e5	1.30	NO	0.934	1.000	53.61	53.61	1.000	1.000	NO	10950		4.20	10950
166	1... PCB-207	5.59e5	1.30	NO	0.912	1.000	53.93	53.95	1.006	1.007	NO	10890		4.30	10890
167	1... PCB-206	4.49e5	1.29	NO	0.987	1.000	55.93	55.92	1.000	1.000	NO	11130		5.30	11130
168	1... PCB-209	4.63e5	1.20	NO	0.943	1.000	57.15	57.17	1.000	1.000	NO	11160		0.723	11160
169	1... 13C-PCB-1	2.20e6	3.39	NO	1.08	1.000	15.21	15.22	0.605	0.605	NO	13450	67.3	10.6	
170	1... 13C-PCB-3	2.33e6	3.46	NO	1.09	1.000	17.82	17.84	0.709	0.710	NO	14100	70.5	10.5	
171	1... 13C-PCB-4	1.61e6	1.60	NO	0.640	1.000	19.17	19.18	0.763	0.763	NO	16560	82.8	5.63	
172	1... 13C-PCB-9	2.47e6	1.58	NO	0.995	1.000	20.98	20.99	0.834	0.835	NO	16380	81.9	3.62	
173	1... 13C-PCB-11	2.55e6	1.58	NO	0.971	1.000	24.43	24.43	0.972	0.972	NO	17280	86.4	3.71	
174	1... 13C-PCB-19	1.23e6	1.03	NO	0.637	1.000	23.38	23.39	0.930	0.930	NO	12750	63.7	33.1	
175	1... 13C-PCB-32	1.88e6	1.02	NO	0.910	1.000	26.37	26.37	1.049	1.049	NO	13630	68.2	23.1	
176	1... 13C-PCB-28	2.16e6	0.98	NO	1.07	1.000	28.36	28.37	1.004	1.004	NO	19050	95.2	47.6	

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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	2.08e6	1.04	NO	0.959	1.000	32.36	32.35	1.145	1.145	NO	20430	102	53.0	
178	1... 13C-PCB-54	1.68e6	0.76	NO	1.10	1.000	27.20	27.21	0.750	0.750	NO	17270	86.4	10.8	
179	1... 13C-PCB-52	1.30e6	0.77	NO	0.844	1.000	30.85	30.86	0.850	0.851	NO	17390	87.0	14.1	
180	1... 13C-PCB-47	1.41e6	0.78	NO	0.893	1.000	31.37	31.36	0.865	0.865	NO	17860	89.3	13.3	
181	1... 13C-PCB-70	1.64e6	0.76	NO	1.01	1.000	35.01	34.99	0.965	0.965	NO	18340	91.7	11.8	
182	1... 13C-PCB-80	1.69e6	0.77	NO	1.05	1.000	35.45	35.44	0.977	0.977	NO	18240	91.2	11.4	
183	1... 13C-PCB-81	1.69e6	0.76	NO	0.985	1.000	38.64	38.62	1.065	1.065	NO	19390	97.0	12.1	
184	1... 13C-PCB-77	1.65e6	0.79	NO	0.958	1.000	39.25	39.24	1.082	1.082	NO	19450	97.3	12.4	
185	1... 13C-PCB-104	1.35e6	1.58	NO	1.10	1.000	32.03	32.03	0.825	0.825	NO	17010	85.1	4.64	
186	1... 13C-PCB-95	1.01e6	1.57	NO	0.852	1.000	35.31	35.31	0.909	0.909	NO	16390	81.9	5.98	
187	1... 13C-PCB-101	9.88e5	1.61	NO	0.814	1.000	37.04	37.04	0.954	0.954	NO	16730	83.7	6.26	
188	1... 13C-PCB-97	8.74e5	1.55	NO	0.709	1.000	38.39	38.38	0.988	0.988	NO	16980	84.9	7.18	
189	1... 13C-PCB-123	1.25e6	1.58	NO	0.922	1.000	41.02	41.02	1.056	1.056	NO	18750	93.8	5.53	
190	1... 13C-PCB-118	1.34e6	1.59	NO	0.975	1.000	41.23	41.23	1.061	1.061	NO	18870	94.4	5.23	
191	1... 13C-PCB-114	1.43e6	1.57	NO	1.52	1.000	41.89	41.88	0.907	0.907	NO	19790	98.9	7.58	
192	1... 13C-PCB-105	1.45e6	1.53	NO	1.58	1.000	42.79	42.77	0.927	0.926	NO	19250	96.3	7.28	
193	1... 13C-PCB-127	1.48e6	1.53	NO	1.62	1.000	43.13	43.13	0.934	0.934	NO	19160	95.8	7.10	
194	1... 13C-PCB-126	1.38e6	1.52	NO	1.45	1.000	45.09	45.09	0.976	0.976	NO	20100	100	7.97	
195	1... 13C-PCB-155	9.16e5	1.28	NO	1.03	1.000	36.57	36.57	0.942	0.942	NO	12310	61.6	2.16	
196	1... 13C-PCB-153	1.15e6	1.27	NO	1.42	1.000	42.96	42.94	0.930	0.930	NO	17030	85.2	8.26	
197	1... 13C-PCB-141	9.47e5	1.28	NO	1.14	1.000	43.72	43.72	0.947	0.947	NO	17450	87.3	10.3	
198	1... 13C-PCB-138	9.94e5	1.27	NO	1.18	1.000	44.60	44.57	0.966	0.965	NO	17730	88.7	9.97	
199	1... 13C-PCB-159	1.25e6	1.29	NO	1.43	1.000	45.93	45.90	0.994	0.994	NO	18400	92.0	8.21	
200	2... 13C-PCB-167	1.25e6	1.29	NO	1.42	1.000	46.62	46.60	1.010	1.009	NO	18490	92.5	8.26	
201	2... 13C-PCB-156	1.27e6	1.25	NO	1.40	1.000	47.95	47.93	1.038	1.038	NO	19130	95.6	8.42	
202	2... 13C-PCB-157	1.25e6	1.26	NO	1.41	1.000	48.22	48.21	1.044	1.044	NO	18760	93.8	8.36	
203	2... 13C-PCB-169	1.22e6	1.25	NO	1.35	1.000	50.50	50.49	1.093	1.093	NO	19130	95.6	8.74	
204	2... 13C-PCB-188	9.81e5	0.46	NO	1.46	1.000	42.55	42.57	0.925	0.925	NO	17720	88.6	6.55	
205	2... 13C-PCB-180	6.52e5	0.45	NO	0.932	1.000	49.26	49.27	1.071	1.071	NO	18490	92.5	10.3	
206	2... 13C-PCB-170	5.74e5	0.47	NO	0.796	1.000	50.93	50.92	1.107	1.107	NO	19060	95.3	12.0	
207	2... 13C-PCB-189	8.60e5	0.46	NO	1.09	1.000	52.72	52.72	1.146	1.146	NO	20830	104	8.78	
208	2... 13C-PCB-202	8.74e5	0.96	NO	1.45	1.000	48.17	48.15	1.043	1.043	NO	15930	79.6	6.01	
209	2... 13C-PCB-194	9.74e5	0.91	NO	0.714	1.000	54.39	54.39	0.995	0.995	NO	18490	92.5	7.35	
210	2... 13C-PCB-208	1.13e6	0.78	NO	0.896	1.000	53.59	53.60	0.980	0.980	NO	17030	85.1	8.22	
211	2... 13C-PCB-206	8.16e5	0.78	NO	0.653	1.000	55.91	55.91	1.023	1.023	NO	16940	84.7	11.3	
212	2... 13C-PCB-209	8.80e5	1.17	NO	0.806	1.000	57.16	57.15	1.046	1.045	NO	14790	73.9	1.48	

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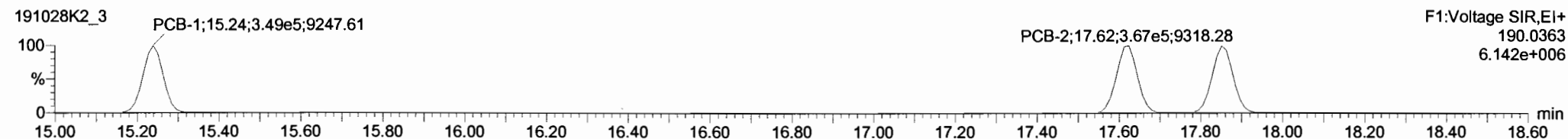
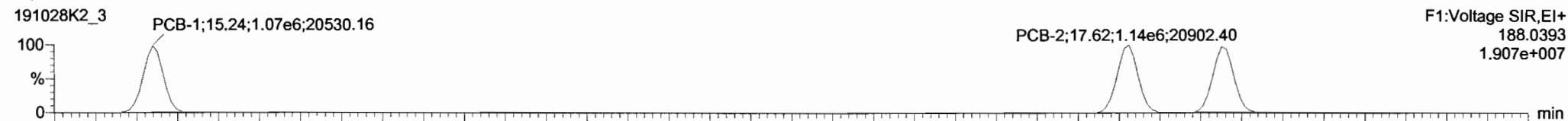
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.03e6	1.59	NO	1.00	1.000	25.12	25.14	1.000	0.000	NO	20000	100	3.60	
214	2... 13C-PCB-31	2.12e6	0.98	NO	1.00	1.000	28.24	28.26	1.000	0.000	NO	20000	100	50.9	
215	2... 13C-PCB-60	1.77e6	0.78	NO	1.00	1.000	36.25	36.28	1.000	0.000	NO	20000	100	11.9	
216	2... 13C-PCB-111	1.45e6	1.59	NO	1.00	1.000	38.83	38.85	1.000	0.000	NO	20000	100	5.09	
217	2... 13C-PCB-128	9.50e5	1.26	NO	1.00	1.000	46.16	46.18	1.000	0.000	NO	20000	100	11.8	
218	2... 13C-PCB-182	7.57e5	0.45	NO	1.00	1.000	45.99	46.00	0.000	0.000	NO	20000	100	9.58	
219	2... 13C-PCB-205	1.48e6	0.90	NO	1.00	1.000	54.66	54.67	1.000	0.000	NO	20000	100	5.24	
220	2... 13C-PCB-79	1.84e6	0.76	NO	1.03	1.000	37.39	37.38	1.031	1.030	NO	20120	101	11.5	
221	2... 13C-PCB-178	6.77e5	0.45	NO	0.875	1.000	45.45	45.45	0.988	0.988	NO	16290	81.4	8.52	
222	2... 13C-PCB-79	1.84e6	0.76	NO	1.05	1.000	37.37	37.38	0.967	0.968	NO	20800	104	11.8	
223	2... 13C-PCB-178	6.77e5	0.45	NO	0.975	1.000	45.51	45.45	0.924	0.922	NO	21280	106	11.3	

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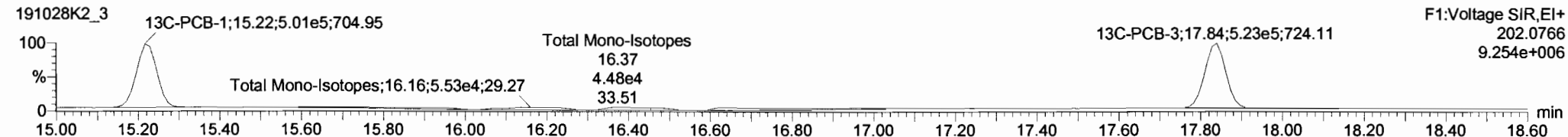
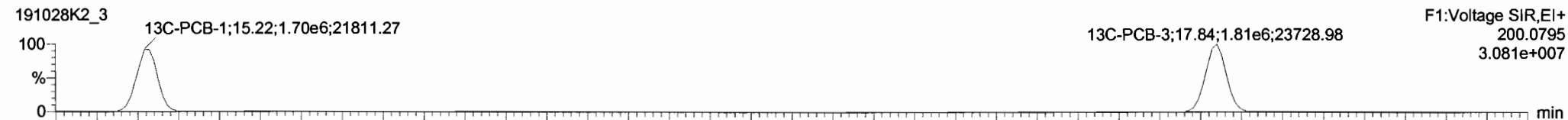
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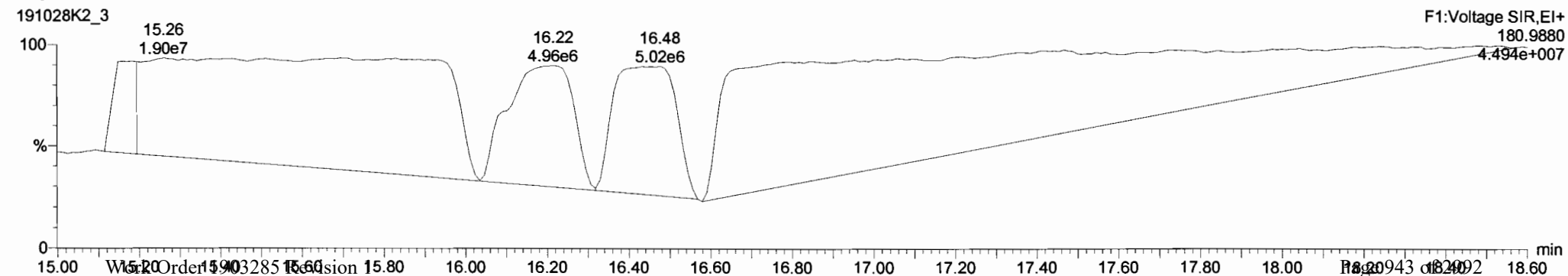
PCB-1



13C-PCB-1



PFK1

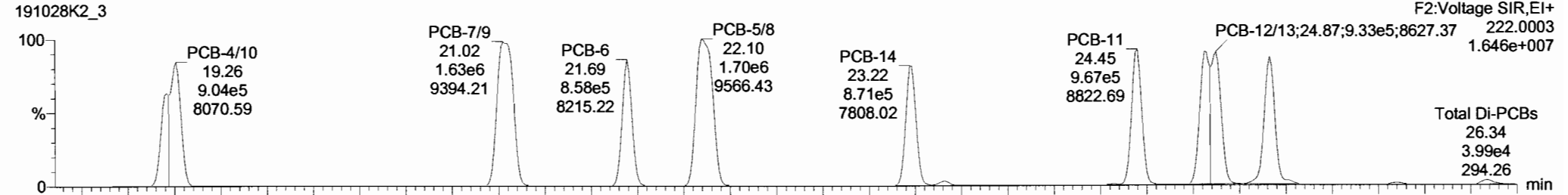


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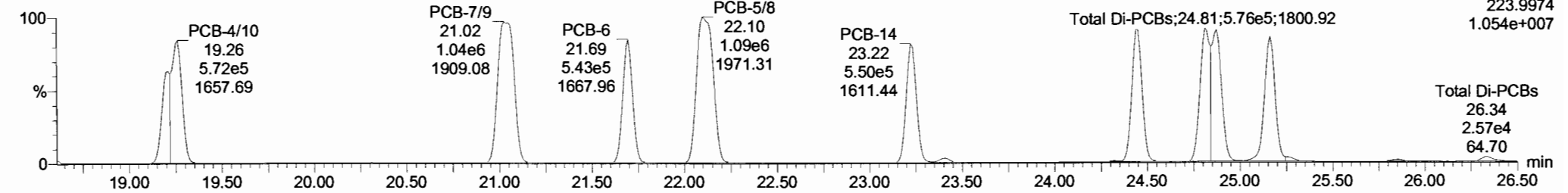
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

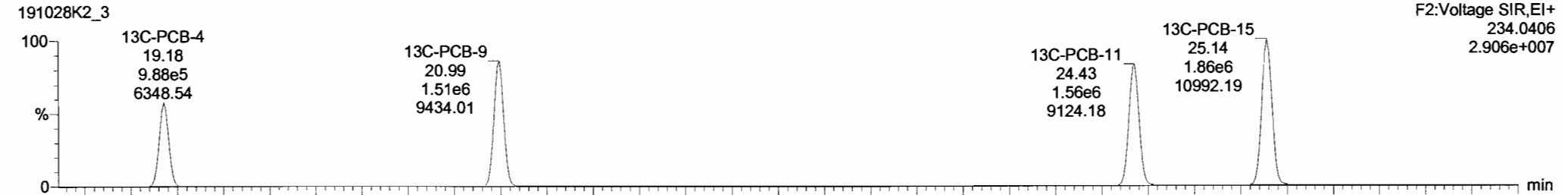
PCB-4/10



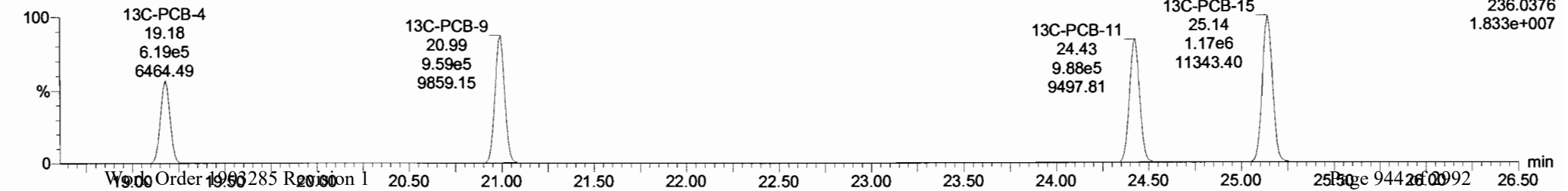
191028K2_3



13C-PCB-4

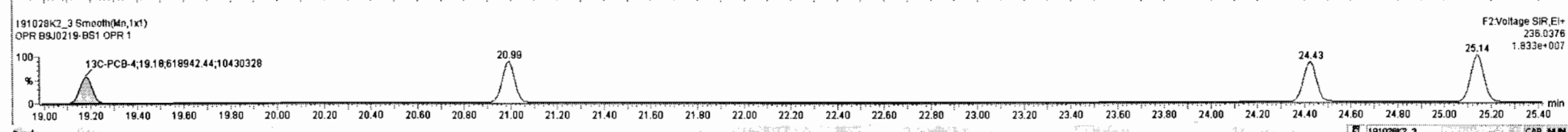
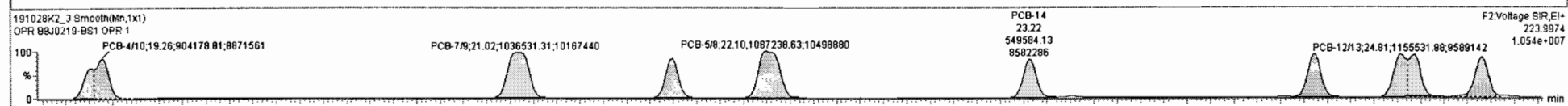
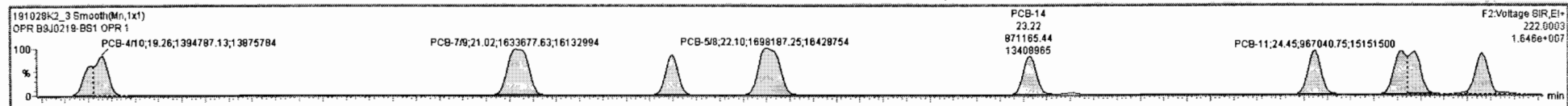


191028K2_3



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fw	Conc.	%Rec	DL	EMPC
221	13C-PCB-178	6.77e5	0.45	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	16290	81.4	8.52	
222	13C-PCB-79	1.84e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	20800	104	11.8	
223	13C-PCB-178	6.77e5	0.45	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	21260	106	11.3	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	37850	4.82	37850	
225	225 Total Di-PCBs				1.0692	1.000	0.00		0.000		NO	133900	66.2	133900	
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	96100	16.2	96100	
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	144000	99.4	163700	
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	476700	170	476700	
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	471600	131	471600	
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	56660	20.9	56660	
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	174900	32.0	174900	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/0	19.26	19.26	1.395e6	9.042e5	1.560	1.54	NO	22431	22431
2	5 PCB-7/0	21.05	21.02	1.634e6	1.037e6	1.560	1.58	NO	22131	22131
3	6 PCB-6	21.68	21.69	8.580e5	5.434e5	1.560	1.58	NO	11146	11146
4	7 PCB-5/8	22.09	22.10	1.688e6	1.087e6	1.560	1.56	NO	22287	22287
5	8 PCB-14	23.25	23.22	8.712e5	5.496e5	1.560	1.58	NO	10808	10808
6	9 PCB-11	24.45	24.45	9.870e5	6.129e5	1.560	1.58	NO	11326	11326
7	10 PCB-12/13	24.87	24.81	1.798e6	1.156e6	1.560	1.56	NO	22373	22373
8	11 PCB-15	25.17	25.16	9.162e5	5.817e5	1.560	1.57	NO	11444	11444



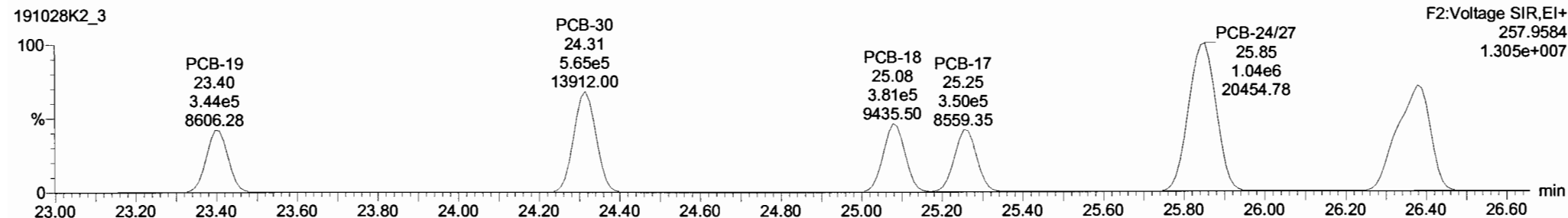
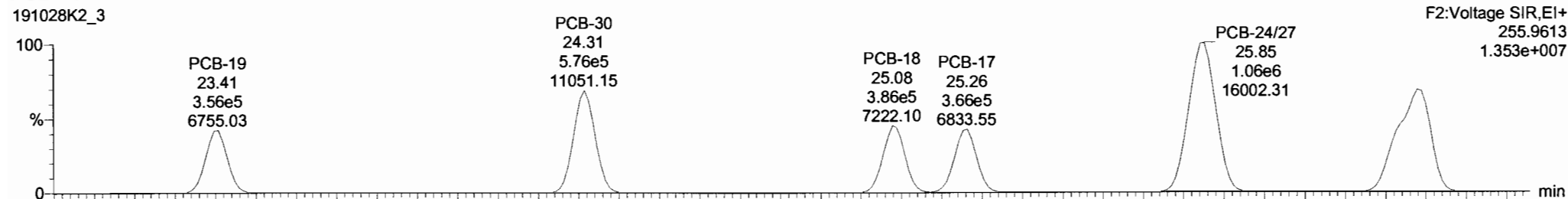
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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

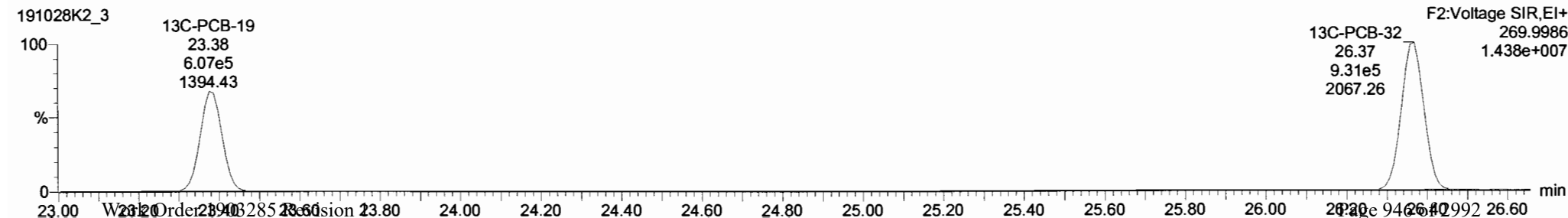
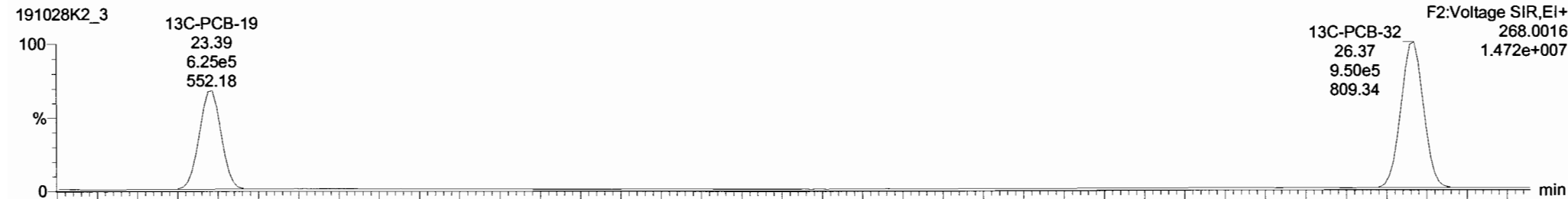
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-19



13C-PCB-19



Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

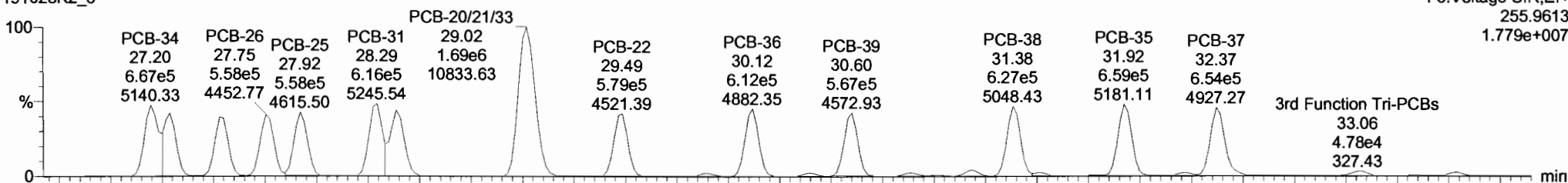
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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-34

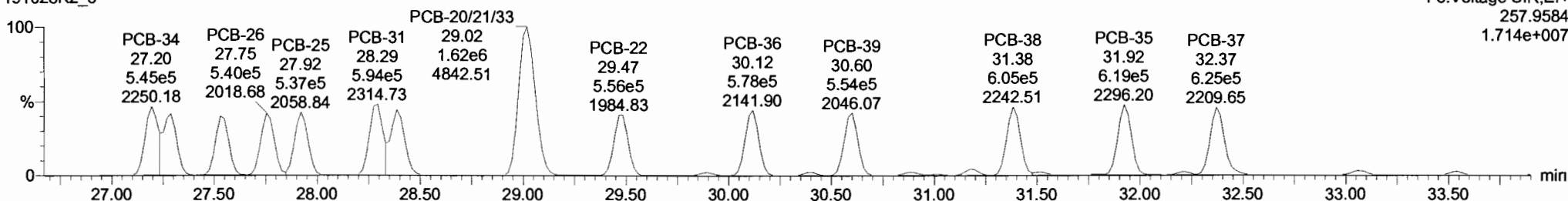
191028K2_3

F3:Voltage SIR,EI+
255.9613
1.779e+007



191028K2_3

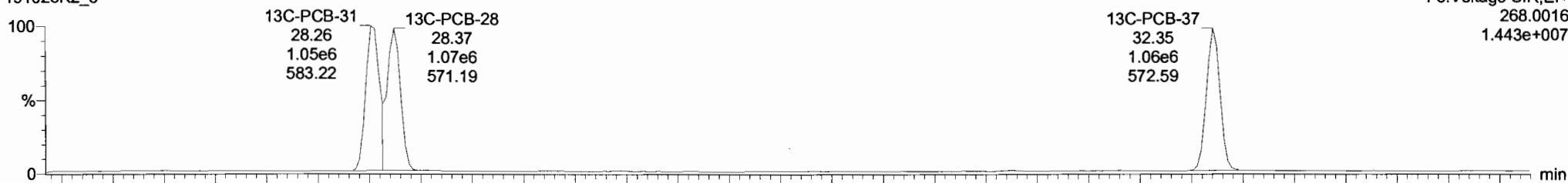
F3:Voltage SIR,EI+
257.9584
1.714e+007



13C-PCB-28

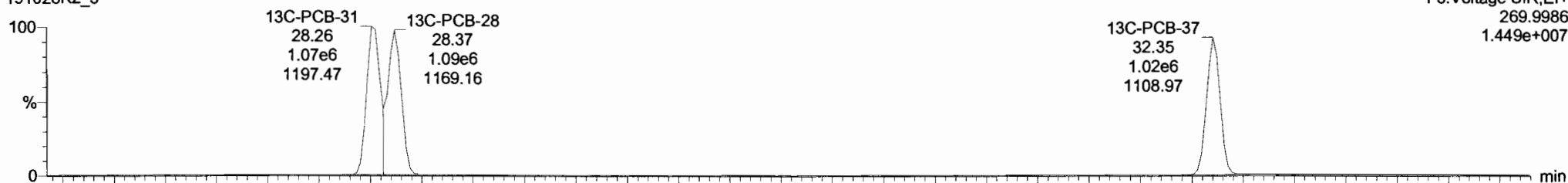
191028K2_3

F3:Voltage SIR,EI+
268.0016
1.443e+007



191028K2_3

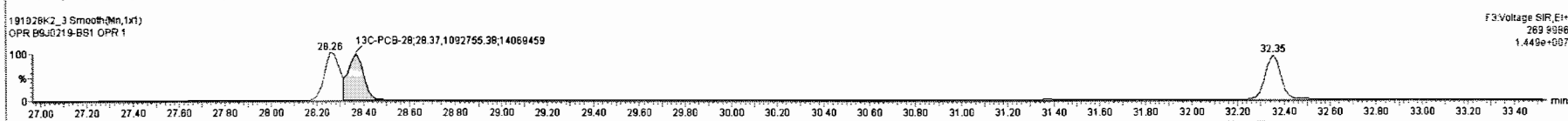
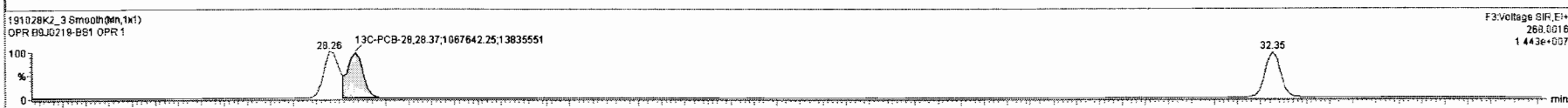
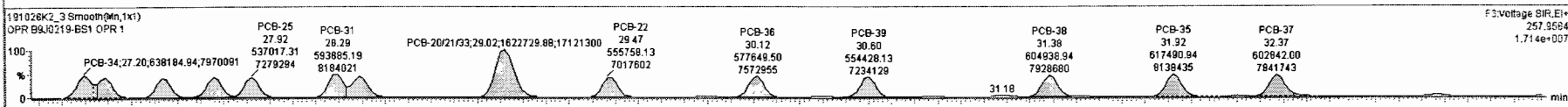
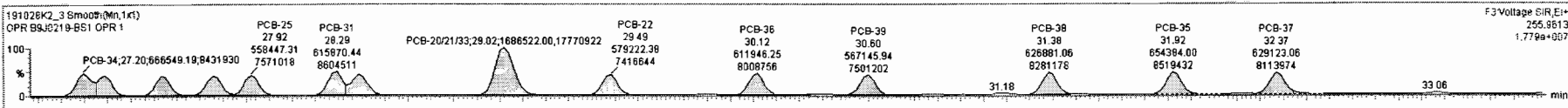
F3:Voltage SIR,EI+
269.9986
1.449e+007



191028K2_3_B9J0219-BS1 OPR 1 - OPR

#	Name	Resp	RA	rvy	RPF	wt/oi	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
221	13C-PCB-178	6.77e5	0.45	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	16290	81.4	8.52	
222	13C-PCB-79	1.84e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	20800	104	11.8	
223	13C-PCB-178	6.77e5	0.45	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	21280	106	11.3	
224	Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	37850		4.82	37850
225	Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	133900		56.2	133900
226	2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	96100		16.2	96100
227	3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	168000		89.4	168000
228	Total Tetra-PCBs				0.9861	1.000	0.00	0.000			NO	476700		170	476700
229	3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	471600		131	471600
230	4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	58660		20.9	58660
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	174900		32.0	174900

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	rvy	EMPC	Conc
1	18 PCB-34	27.20	27.20	6.865e5	6.382e5	1.040	1.04	NO	12233	12233
2	19 PCB-23	27.30	27.29	4.987e5	4.765e5	1.040	1.05	NO	9269.6	9269.6
3	20 PCB-29	27.53	27.53	5.318e5	5.109e5	1.040	1.04	NO	13122	10122
4	21 PCB-26	27.77	27.75	5.584e5	5.398e5	1.040	1.03	NO	10157	10157
5	22 PCB-25	27.92	27.92	5.584e5	5.370e5	1.040	1.04	NO	10370	10370
6	23 PCB-31	28.30	28.29	6.159e5	5.939e5	1.040	1.04	NO	9971.1	9971.1
7	24 PCB-28	28.38	28.38	6.402e5	6.129e5	1.040	1.04	NO	10489	10489
8	25 PCB-20/21/33	28.02	28.02	1.687e6	1.623e6	1.040	1.04	NO	30530	30530
9	26 PCB-22	29.49	29.49	5.792e5	5.558e5	1.040	1.04	NO	10172	10172



Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

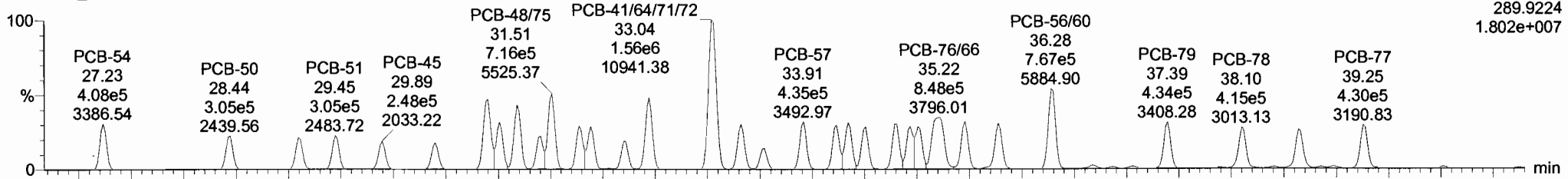
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-54

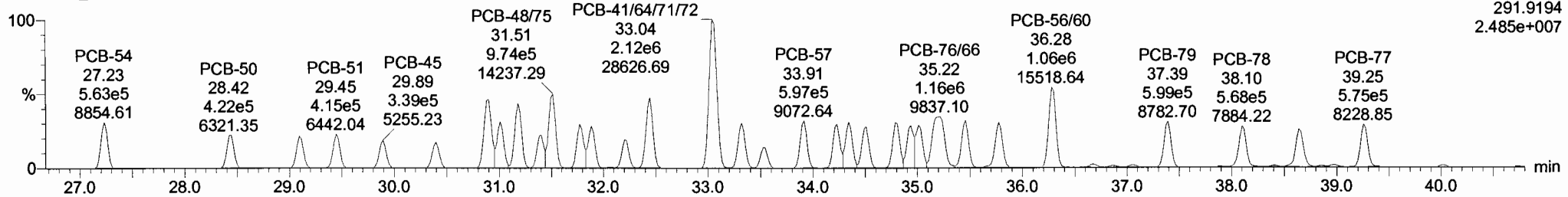
191028K2_3

F3:Voltage SIR,EI+
289.9224
1.802e+007



191028K2_3

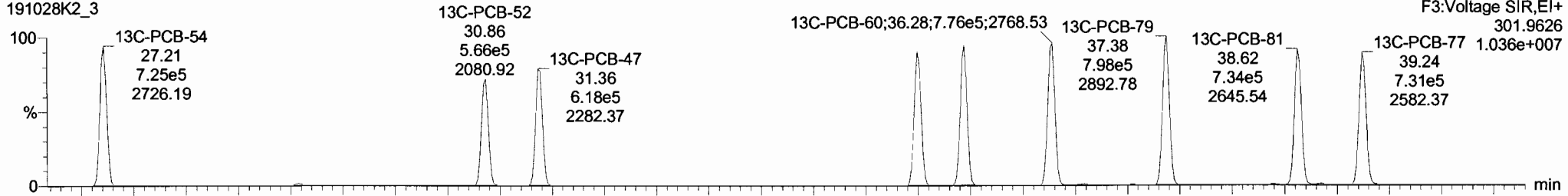
F3:Voltage SIR,EI+
291.9194
2.485e+007



13C-PCB-54

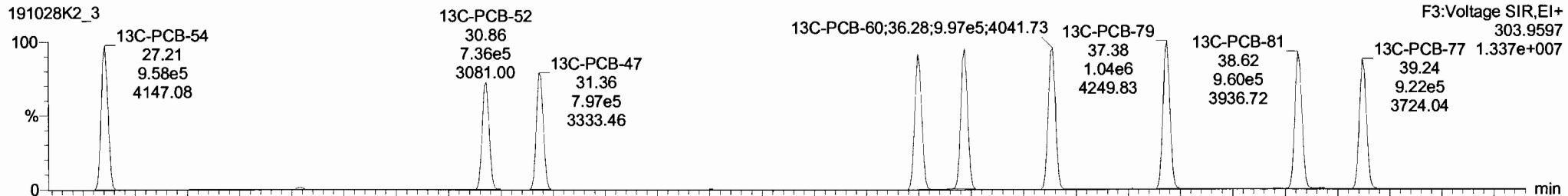
191028K2_3

F3:Voltage SIR,EI+
301.9626
1.036e+007



191028K2_3

F3:Voltage SIR,EI+
303.9597
1.337e+007



Dataset: Untitled

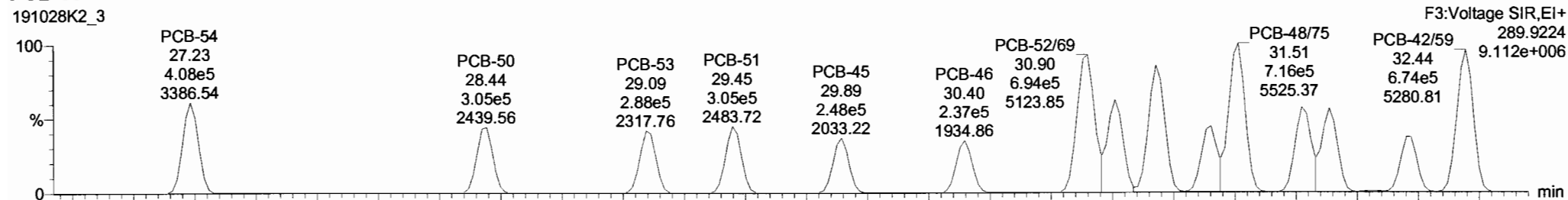
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

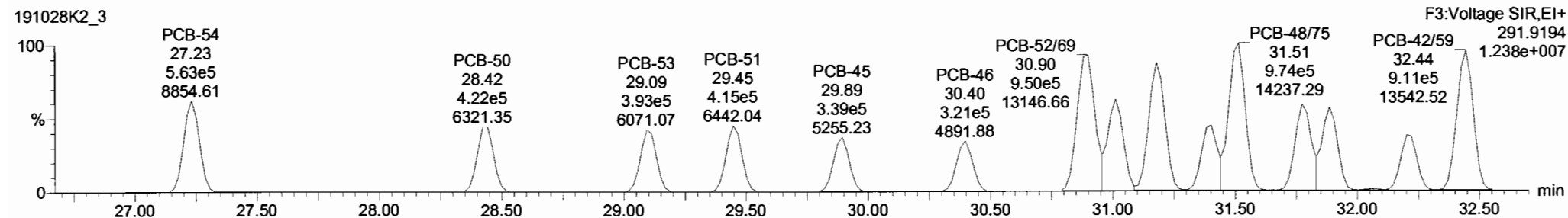
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PCB-50

191028K2_3

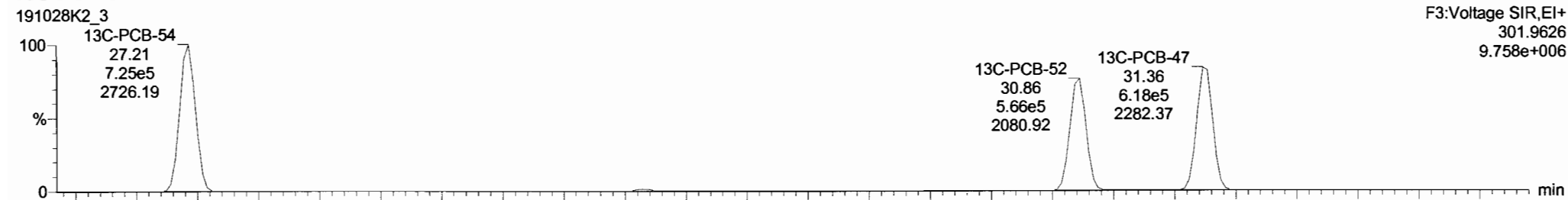


191028K2_3



13C-PCB-52

191028K2_3



191028K2_3



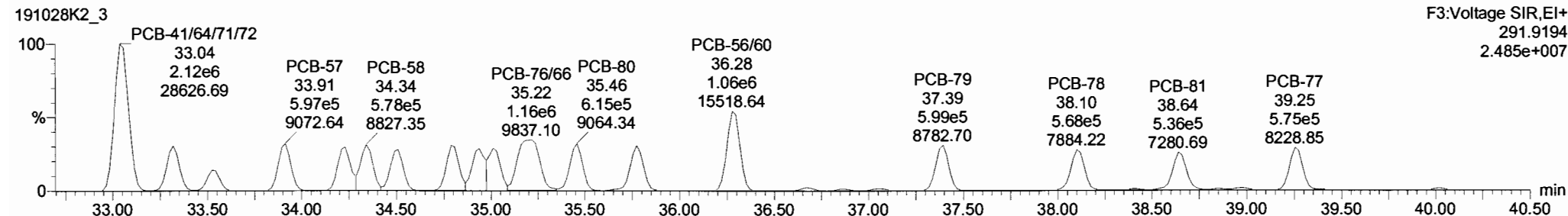
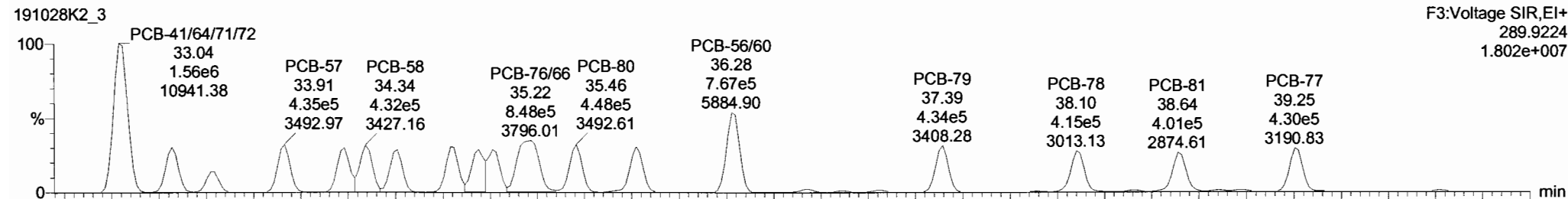
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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

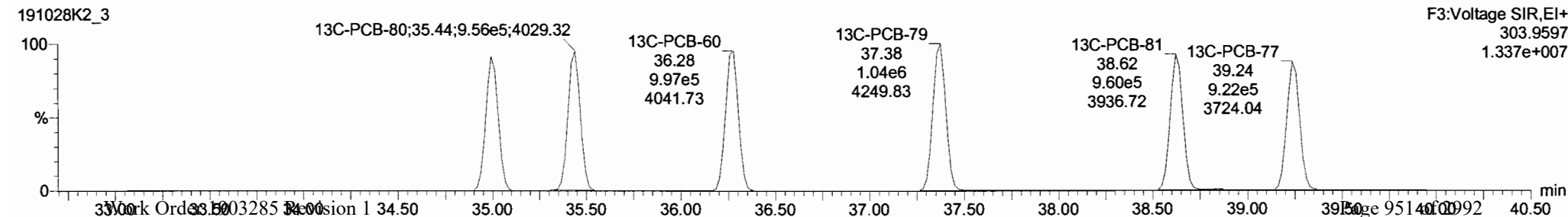
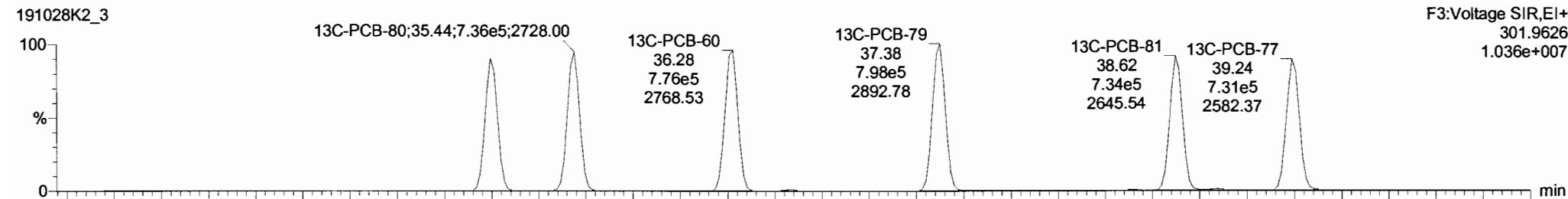
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-68



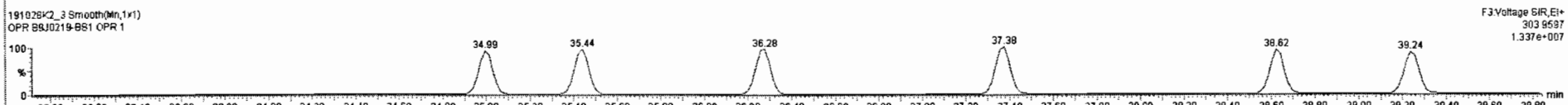
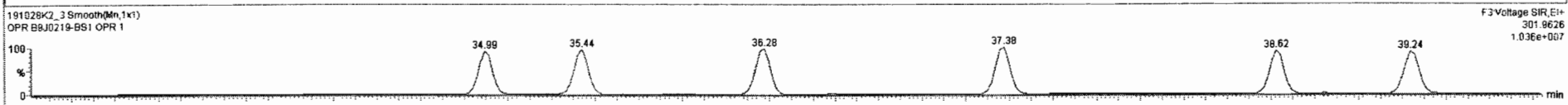
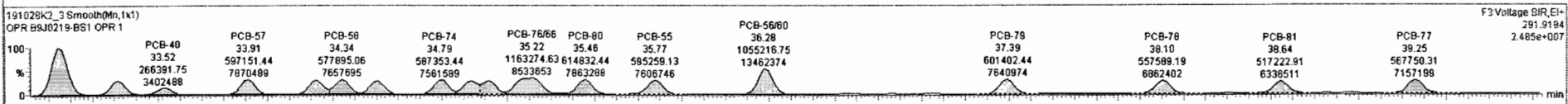
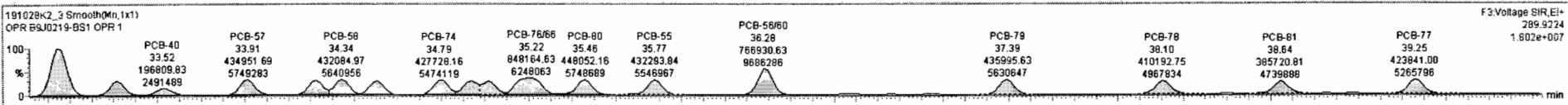
13C-PCB-60



191028K2_3_B9J0219-BS1 OPR 1 - OPR

#	Name	Resp	RA	n/y	R/R	wtVol	Pred.RT	RT	Pred.R...	R/R	R/R Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	6.77e5	0.45	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	16290	81.4	8.52	
222	222 13C-PCB-78	1.84e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	20800	104	11.8	
223	223 13C-PCB-178	6.77e5	0.45	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	21280	106	11.3	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	37650		4.82	37850
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	133900		56.2	133900
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	96100		18.2	96100
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	165000		99.4	165000
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	467300		170	467300
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	471600		131	471600
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	56860		20.9	56860
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	174900		32.0	174900

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1*Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.23	27.23	4.083e5	5.634e5	0.770	0.72	NO	11601	11601
2	33 PCB-50	28.44	28.44	3.046e5	4.225e5	0.770	0.72	NO	11064	11064
3	34 PCB-53	29.12	29.09	2.885e5	3.932e5	0.770	0.73	NO	10962	10962
4	35 PCB-51	29.46	29.45	3.049e5	4.152e5	0.770	0.73	NO	10806	10806
5	36 PCB-45	29.89	29.89	2.478e5	3.387e5	0.770	0.73	NO	11150	11150
6	37 PCB-46	30.40	30.40	2.370e5	3.210e5	0.770	0.74	NO	11374	11374
7	38 PCB-52/69	30.90	30.90	6.937e5	9.504e5	0.770	0.73	NO	23129	23129
8	39 PCB-73	31.02	31.01	4.279e5	5.767e5	0.770	0.74	NO	11990	11990
9	40 PCB-43/48	31.18	31.18	5.976e5	6.211e5	0.770	0.73	NO	23178	23178



Dataset: Untitled

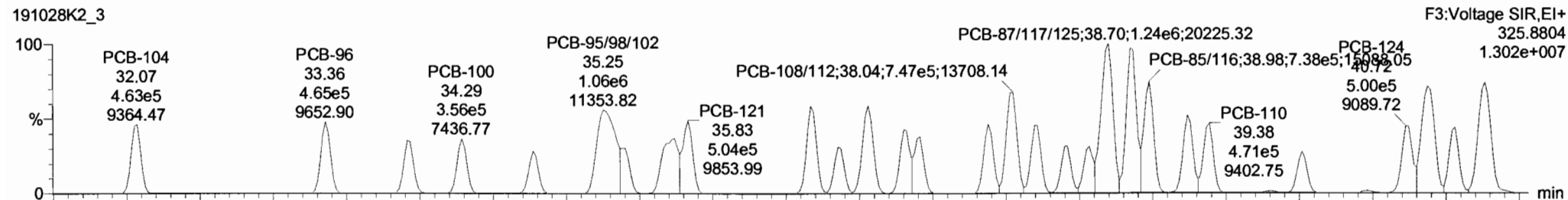
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

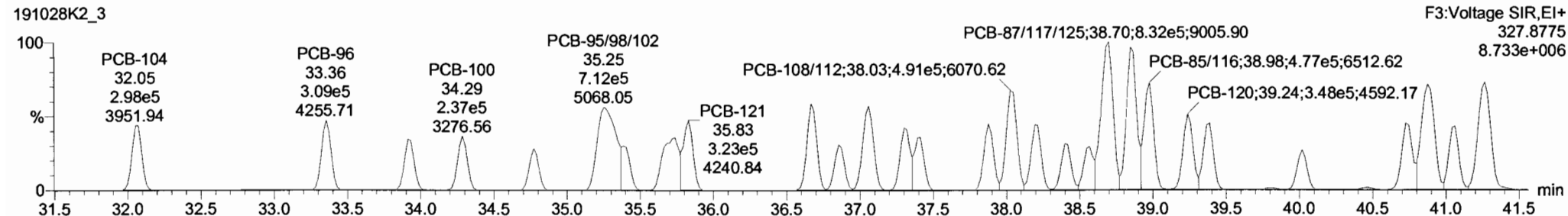
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191028K2_3

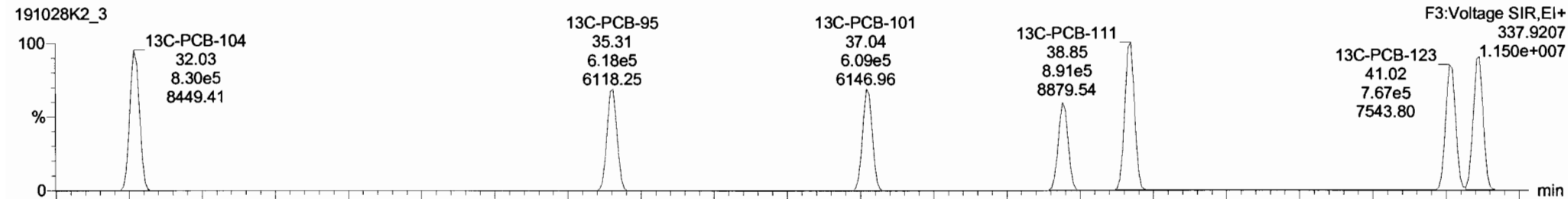


191028K2_3

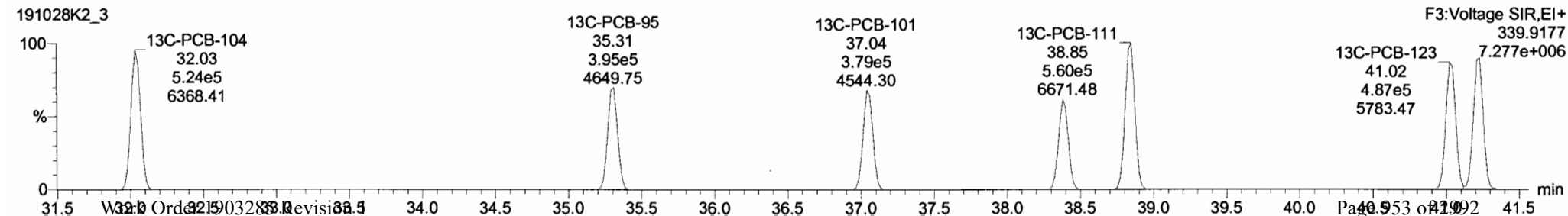


13C-PCB-104

191028K2_3



191028K2_3

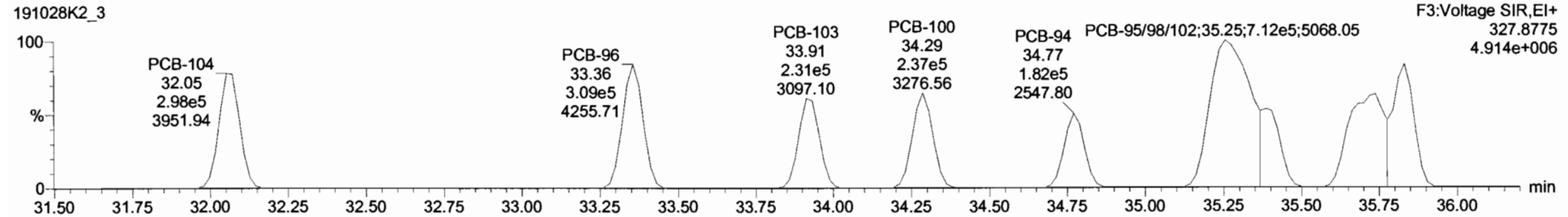
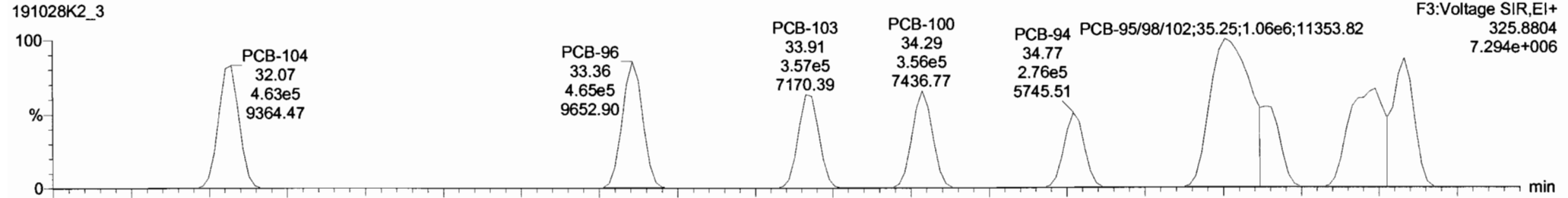


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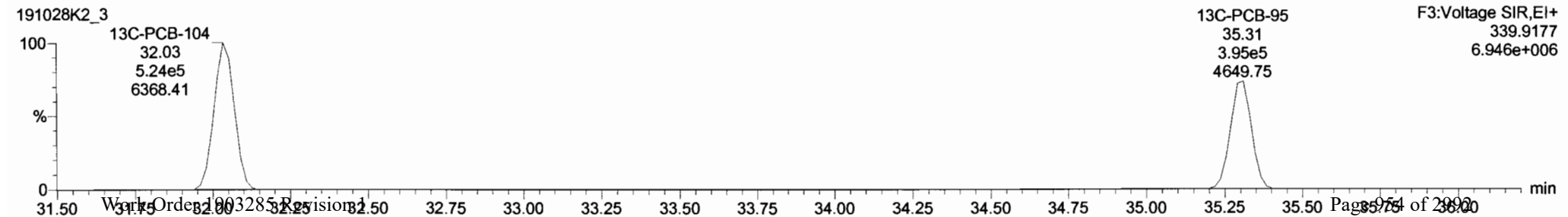
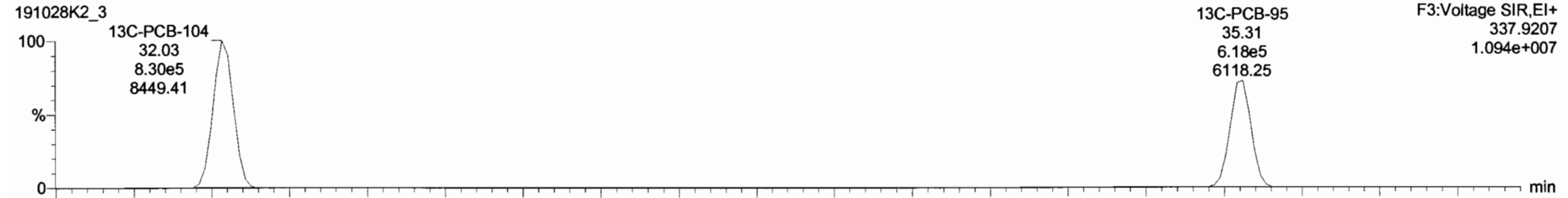
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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-96



13C-PCB-95



Dataset: Untitled

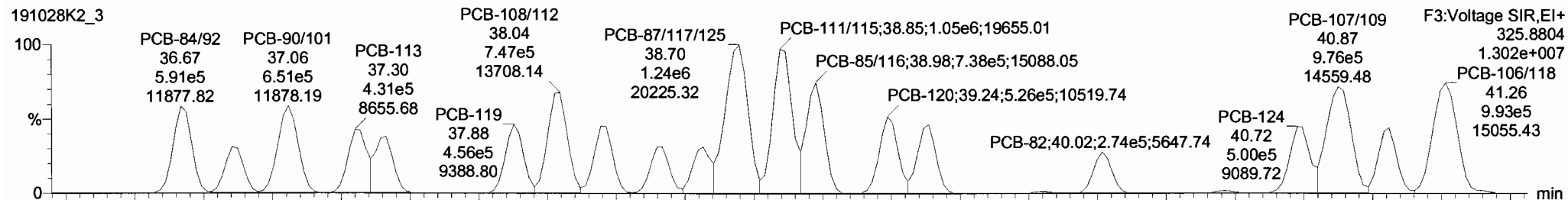
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

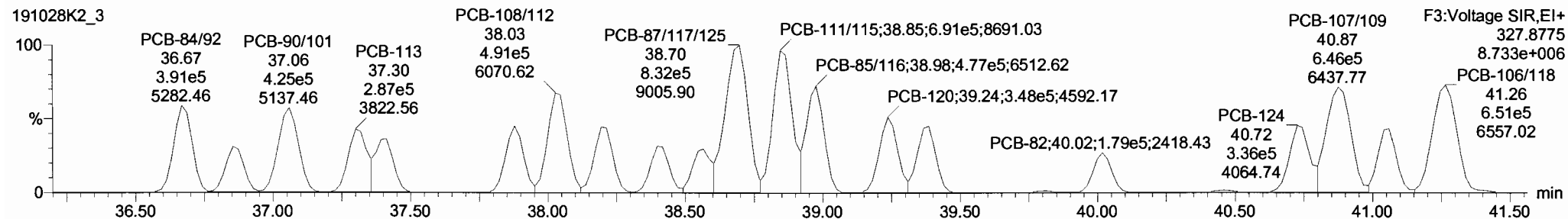
Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-119

191028K2_3

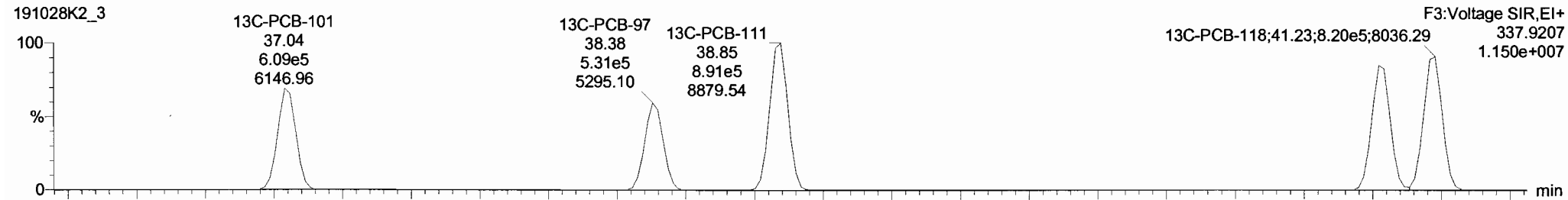


191028K2_3

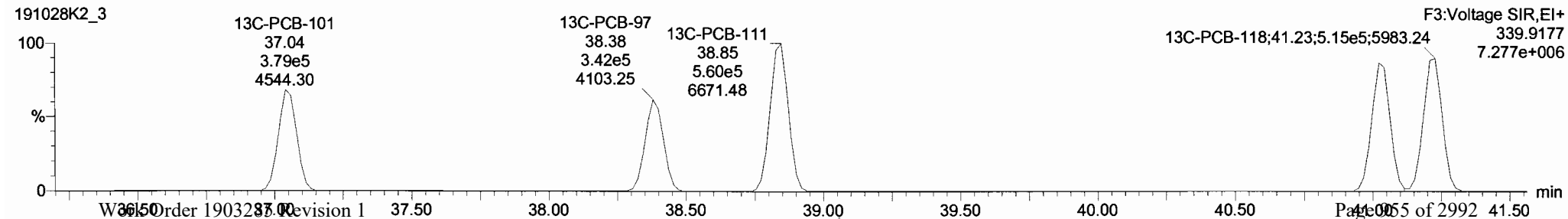


13C-PCB-111

191028K2_3



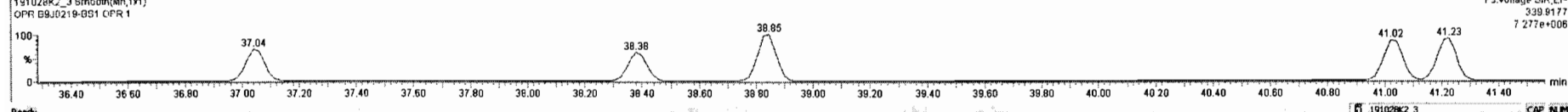
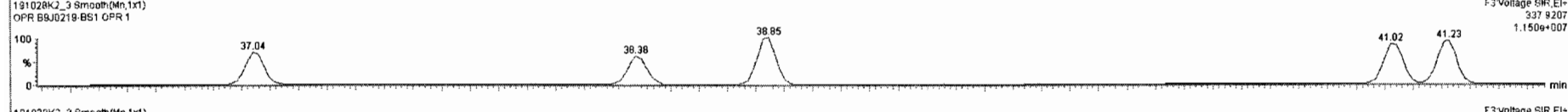
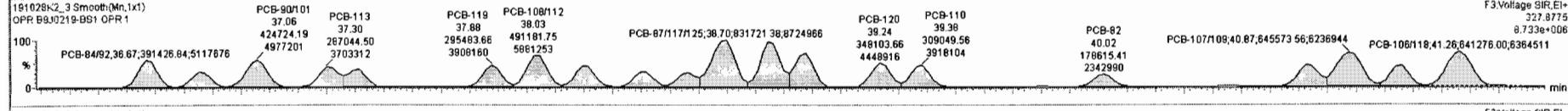
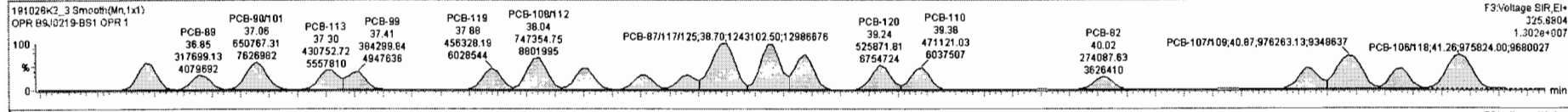
191028K2_3



191028K2_3 - BSJ0219-BS1 OPR 1 - OPR

#	Name	Resp	RA	n/y	RRT	w/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
221	221 13C-PCB-178	6.77e5	0.45	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	16290	81.4		8.52
222	222 13C-PCB-79	1.84e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	20800	104		11.8
223	223 13C-PCB-178	6.77e5	0.45	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	21260	106		11.3
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	37850		4.82	37850
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	133900		56.2	133900
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	96100		16.2	96100
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	165000		99.4	165000
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	487300		170	487300
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	471200		131	471200
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	56960		20.8	56960
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	174900		32.0	174900

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.05	32.07	4.831e5	2.979e5		1.560	1.55	NO	11302
65	PCB-96	33.35	33.36	4.654e5	3.089e5		1.560	1.51	NO	11486
66	PCB-103	33.81	33.81	3.574e5	2.315e5		1.560	1.54	NO	11233
67	PCB-100	34.28	34.29	3.569e5	2.365e5		1.560	1.50	NO	11253
68	PCB-94	34.80	34.77	2.759e5	1.824e5		1.560	1.51	NO	11696
69	PCB-85/88/102	35.26	35.25	1.063e6	7.117e5		1.560	1.49	NO	34529
70	PCB-93	35.39	35.38	2.854e5	1.842e5		1.560	1.55	NO	11024
71	PCB-86/91	36.73	36.74	6.113e5	3.975e5		1.560	1.54	NO	22389
72	PCB-121	35.85	35.83	5.042e5	3.231e5		1.560	1.56	NO	11785



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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

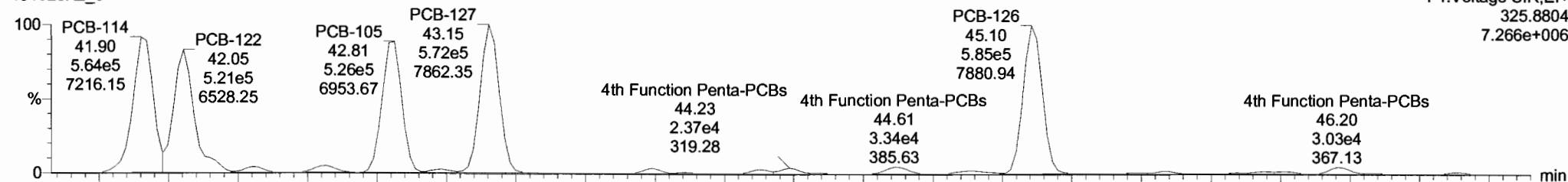
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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-114

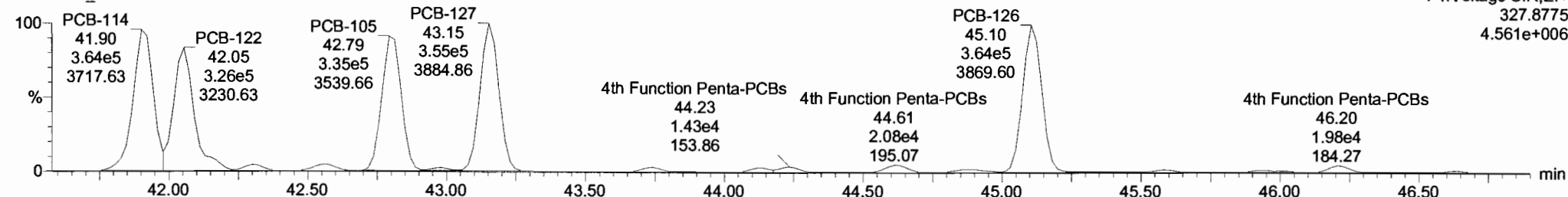
191028K2_3

F4:Voltage SIR,EI+
325.8804
7.266e+006



191028K2_3

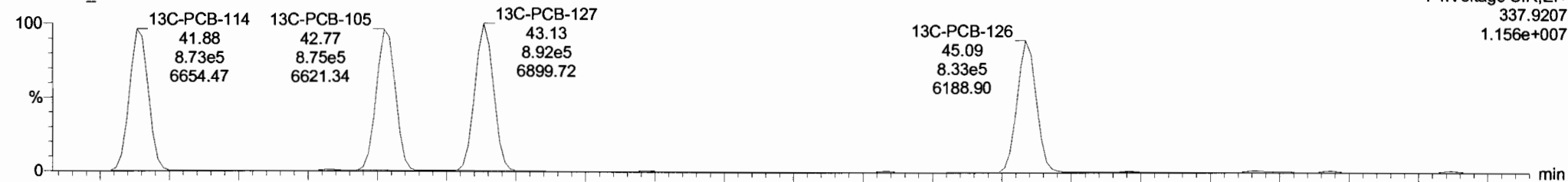
F4:Voltage SIR,EI+
327.8775
4.561e+006



13C-PCB-114

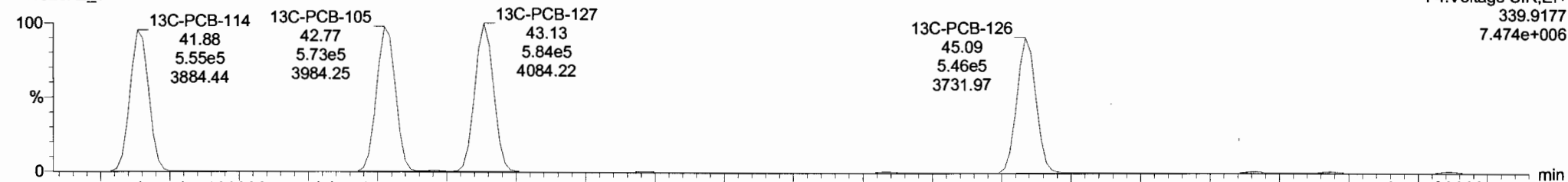
191028K2_3

F4:Voltage SIR,EI+
337.9207
1.156e+007



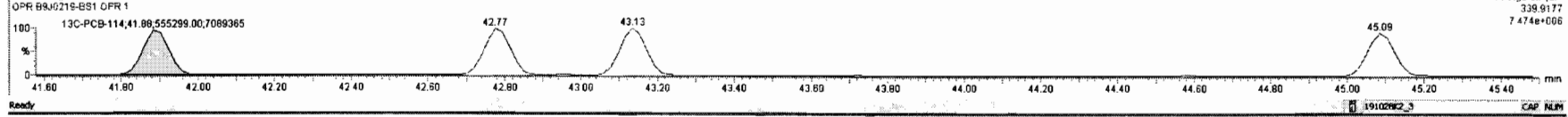
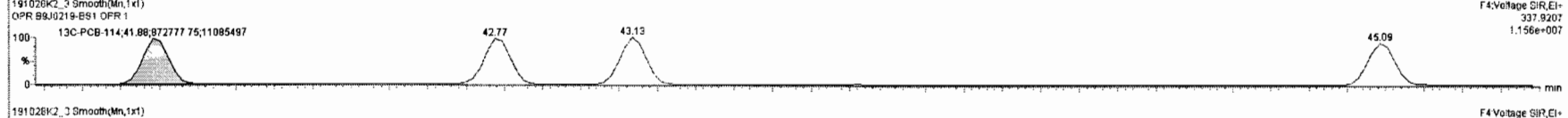
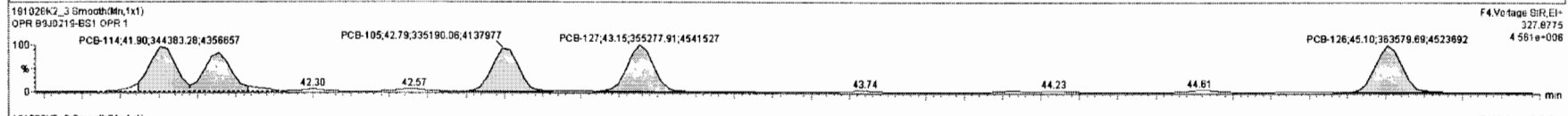
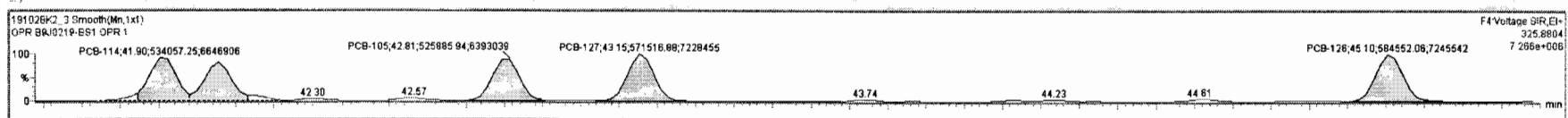
191028K2_3

F4:Voltage SIR,EI+
339.9177
7.474e+006



#	Name	Resp	RA	RY	RRE	wAcc	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
221	221 13C-PCB-178	6.77e5	0.45	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	16290	81.4	8.52	
222	222 13C-PCB-79	1.846e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	20800	104	11.6	
223	223 13C-PCB-178	6.77e5	0.45	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	21280	106	11.3	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	37850		4.82	37850
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	133900		56.2	133900
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	96100		16.2	96100
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	165000		99.4	165000
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	487300		170	487300
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	471200		131	471200
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	55360		20.8	55360
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	174900		32.0	174900

#	Name	Pred RT	RT	#1 Resp	#2 Resp	1* Ratio (Pred)	RA	RY	EMPC	Conc.
1	93 PCB-114	41.91	41.90	5.341e5	3.444e5	1.560	1.55	NO	10591	10591
2	94 PCB-122	42.03	42.05	4.812e5	3.032e5	1.560	1.59	NO	11295	11295
3	95 PCB-105	42.79	42.81	5.259e5	3.352e5	1.550	1.57	NO	10806	10806
4	96 PCB-127	43.15	43.15	5.715e5	3.553e5	1.560	1.61	NO	11333	11333
5	97 PCB-126	45.10	45.10	5.846e5	3.636e5	1.560	1.61	NO	11336	11336



Dataset: Untitled

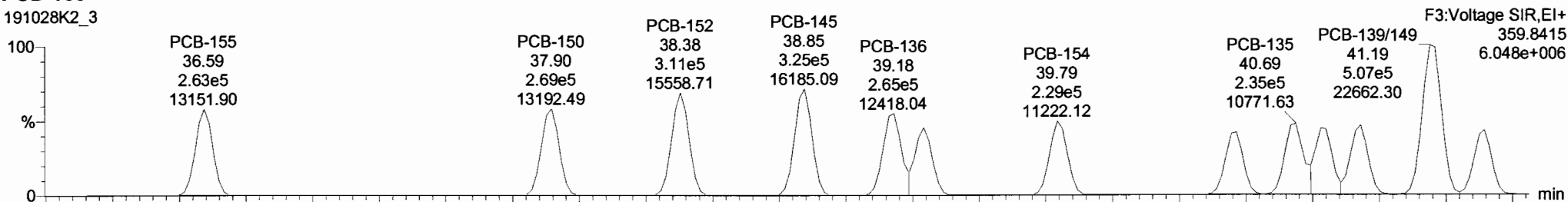
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

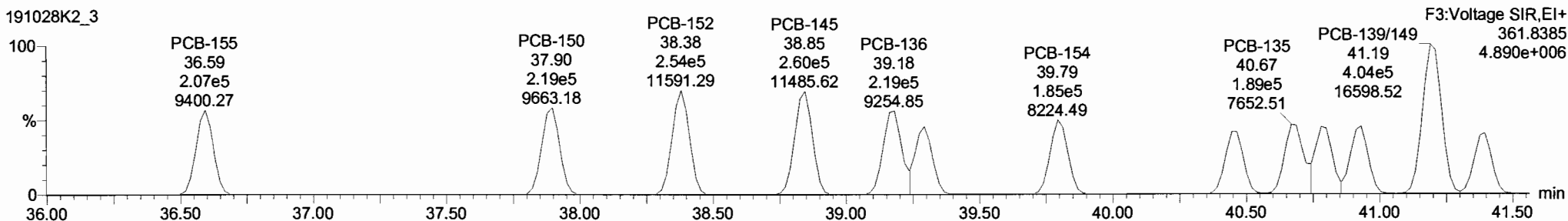
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191028K2_3

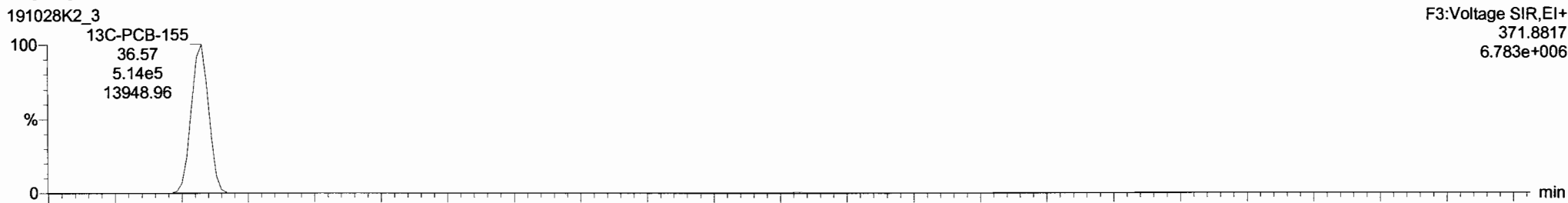


191028K2_3

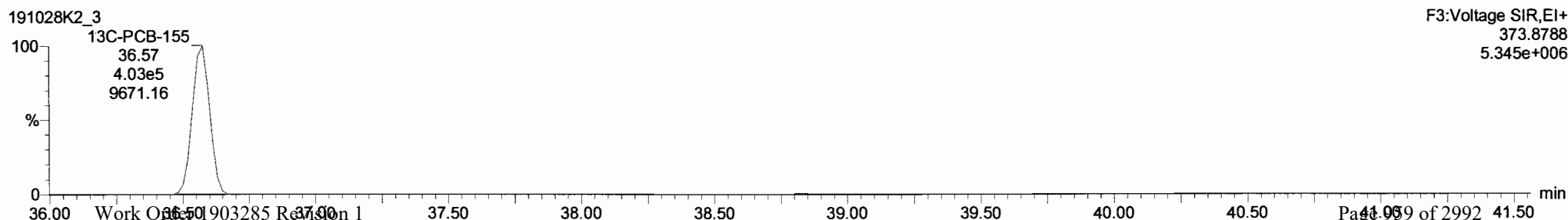


13C-PCB-155

191028K2_3



191028K2_3

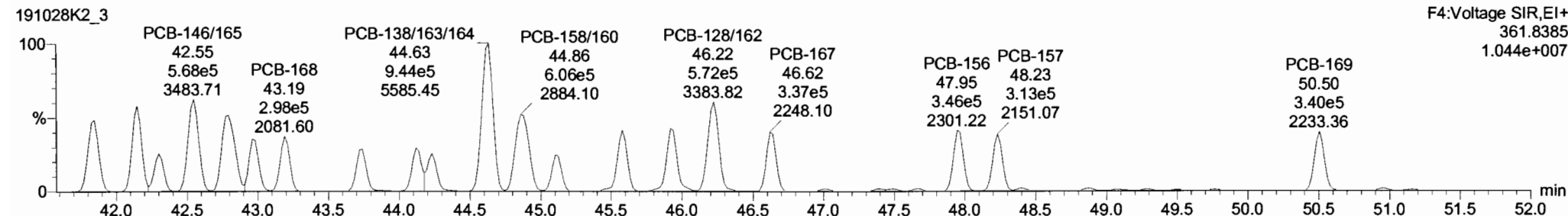
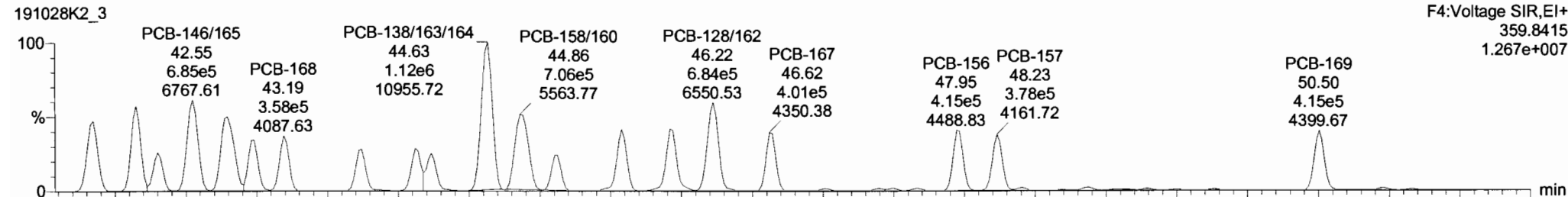


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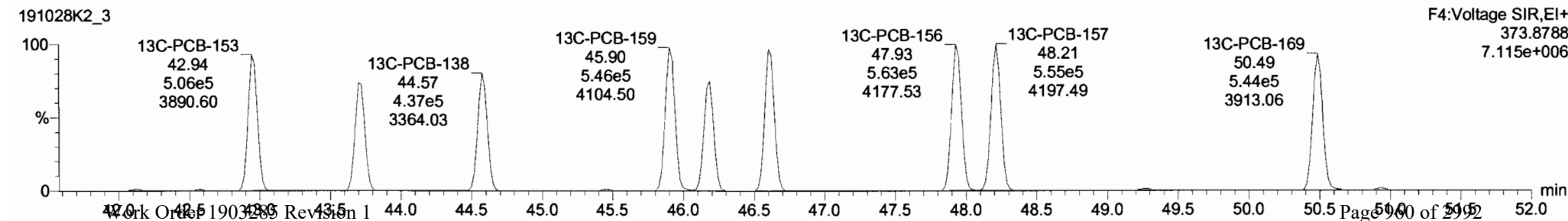
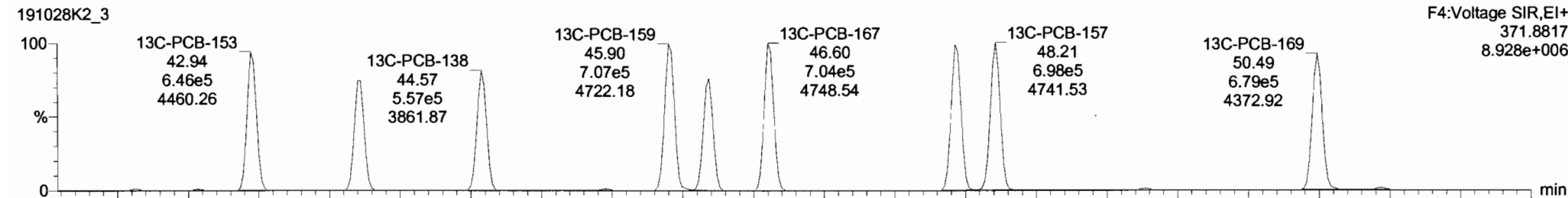
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-134/143



13C-PCB-153

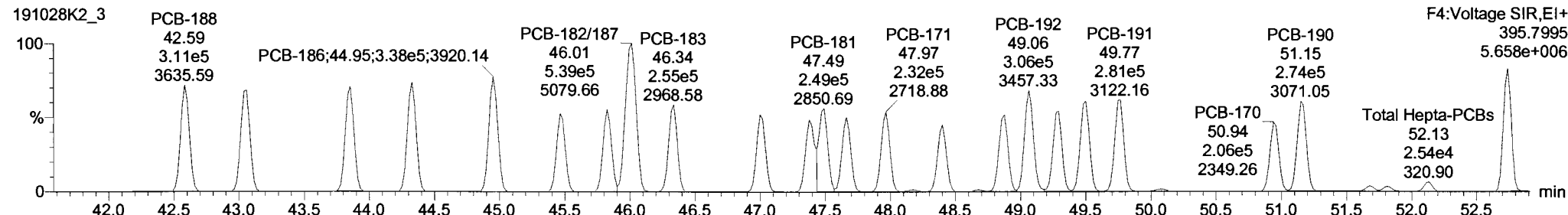
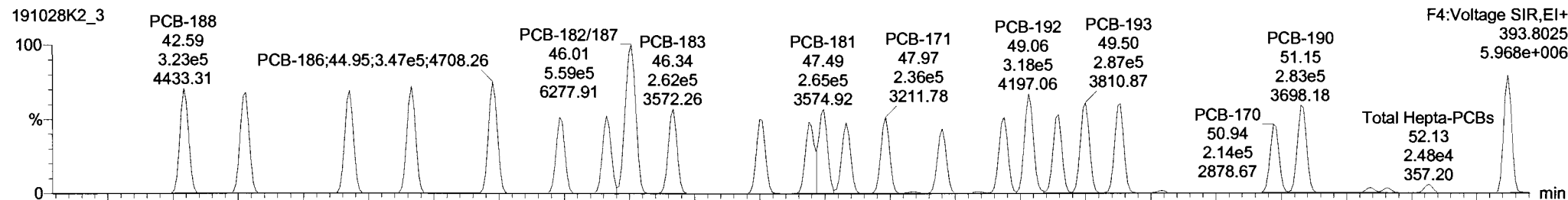


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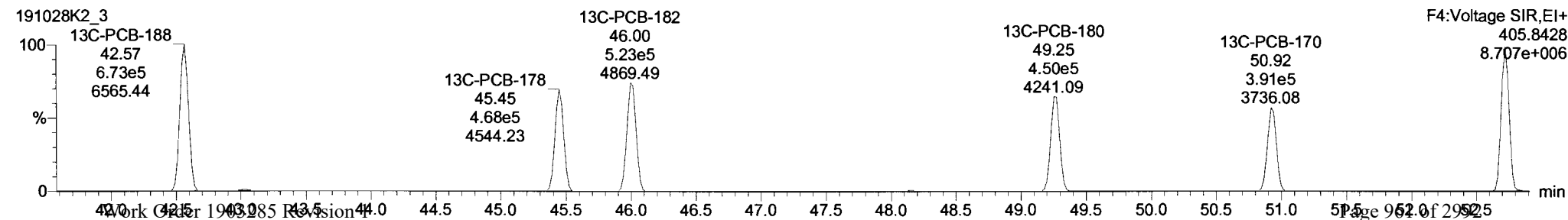
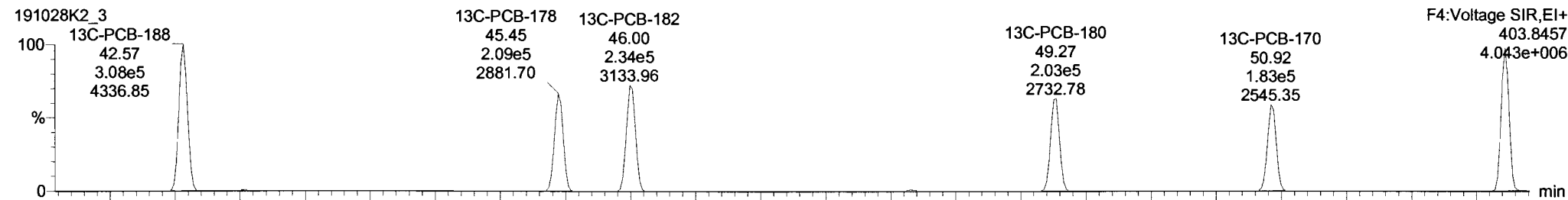
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-188



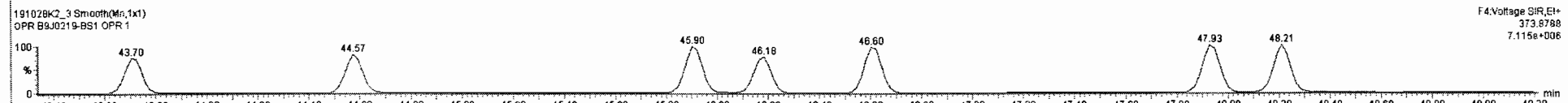
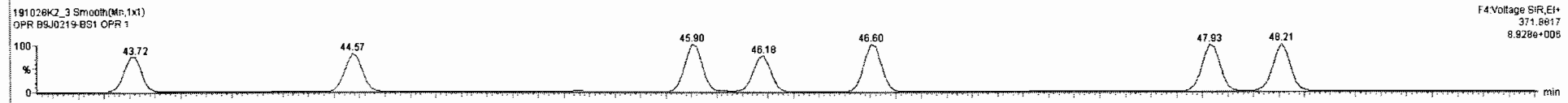
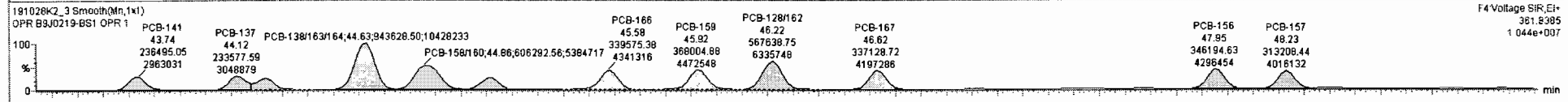
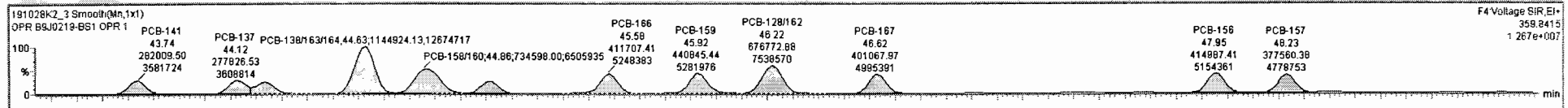
13C-PCB-188



191028K2_3 - BSJ0219-BS1 OPR 1 - OPR

#	Name	Resp	RA	nV	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	317968		178	317500
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	268200		157	268200
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	98180		38.6	98180
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	33330		13.1	33330
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	32970		13.8	32970
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	11160		0.723	11160
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nV	EMPC	Conc.
1	111 PCB-134/143	41.87	41.85	5.212e5	4.438e5	1.240	1.17	NO	22849	22849
2	112 PCB-131/133	42.15	42.15	5.556e5	4.651e5	1.240	1.19	NO	22428	22428
3	113 PCB-142	42.30	42.30	2.577e5	2.087e5	1.240	1.24	NO	11437	11437
4	114 PCB-148/165	42.55	42.55	6.848e5	5.679e5	1.240	1.21	NO	22671	22671
5	115 PCB-132/161	42.78	42.79	6.948e5	5.896e5	1.240	1.18	NO	22898	22898
6	116 PCB-153	42.96	42.96	3.506e5	2.935e5	1.240	1.19	NO	11050	11050
7	117 PCB-168	43.19	43.19	3.583e5	2.979e5	1.240	1.20	NO	11176	11176
8	118 PCB-141	43.74	43.74	2.820e5	2.365e5	1.240	1.19	NO	11323	11323
9	119 PCB-137	44.12	44.12	2.778e5	2.336e5	1.240	1.19	NO	10940	10940

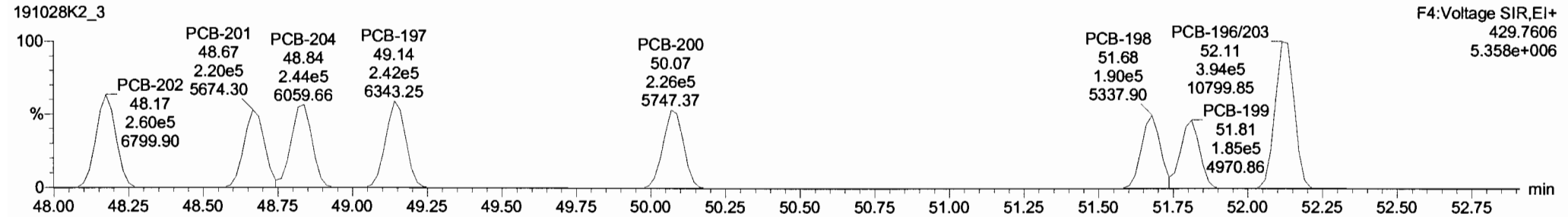
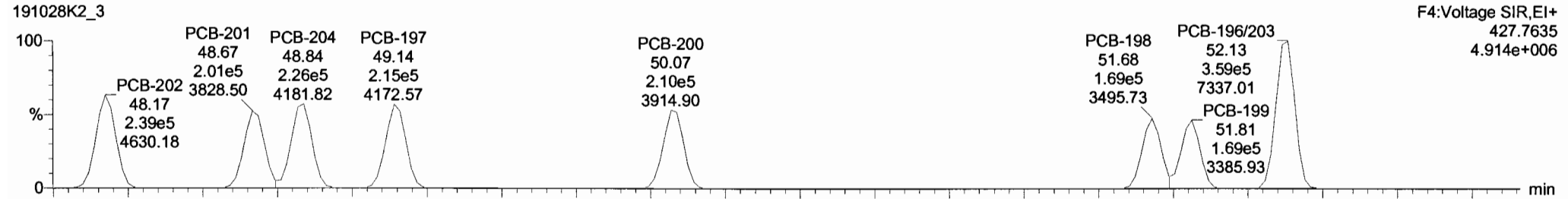


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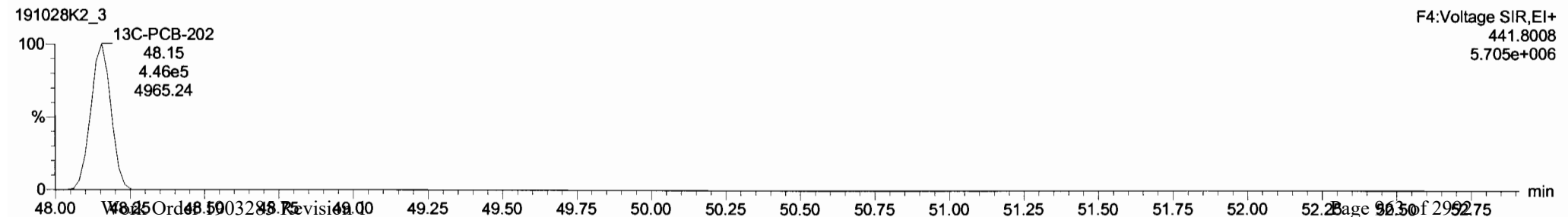
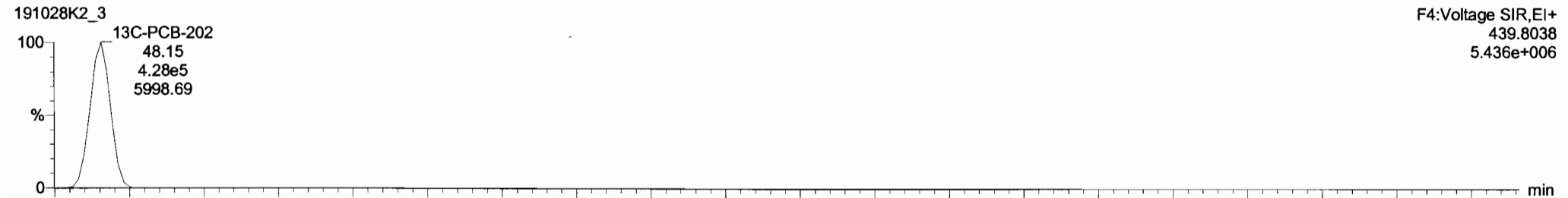
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

PCB-202



13C-PCB-202

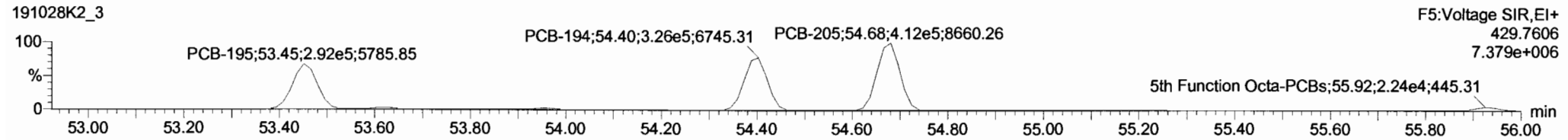
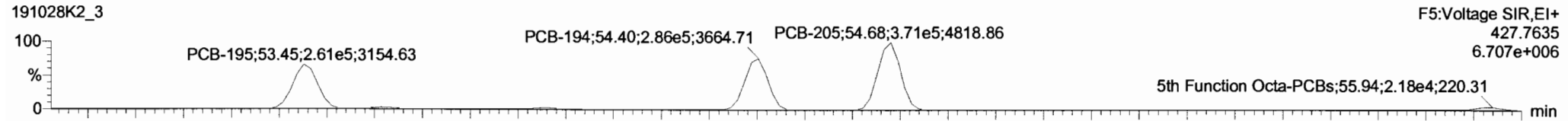


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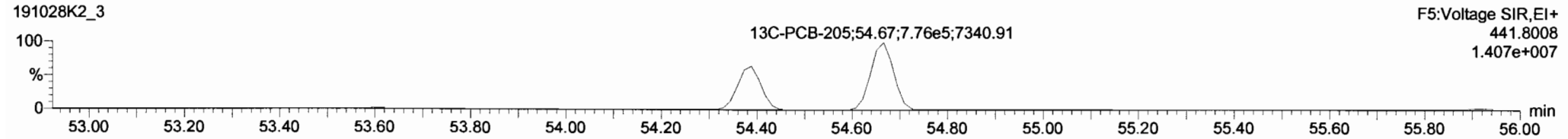
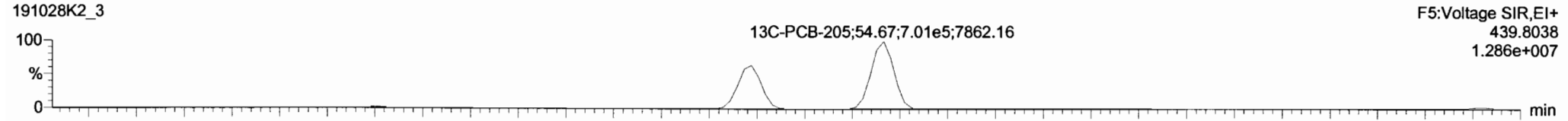
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Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

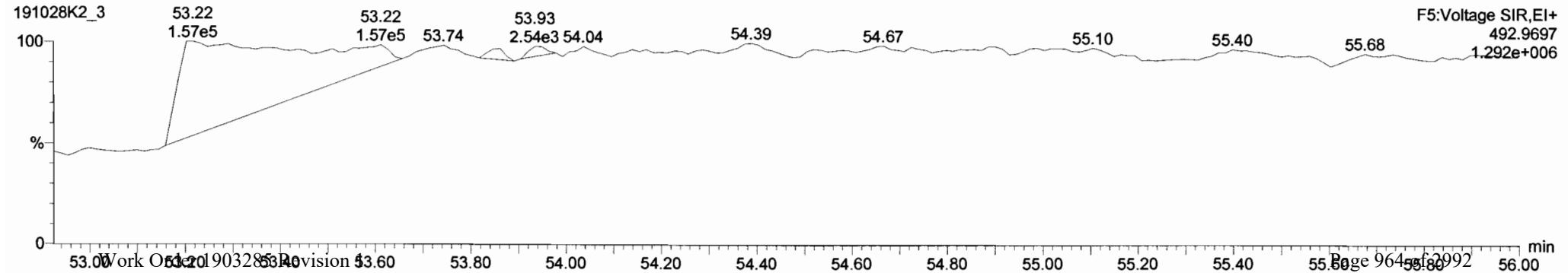
PCB-195



13C-PCB-194



PFK5



Dataset: Untitled

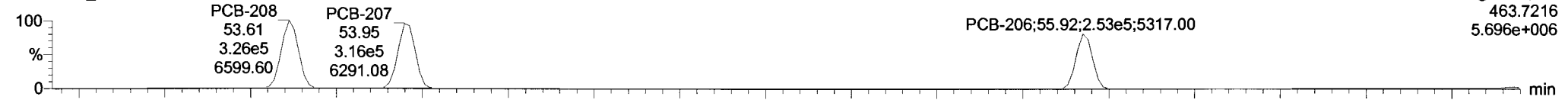
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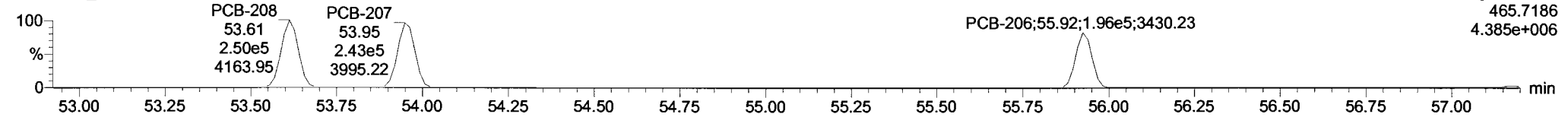
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PCB-208

191028K2_3

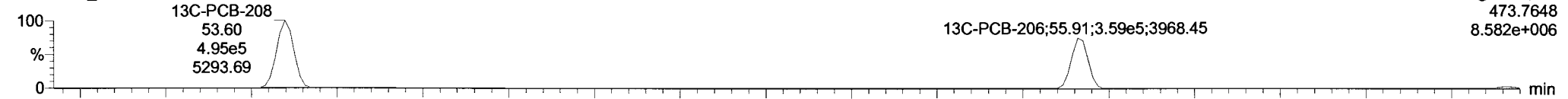


191028K2_3

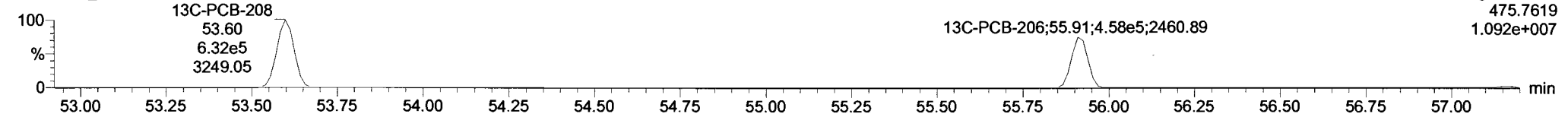


13C-PCB-208

191028K2_3

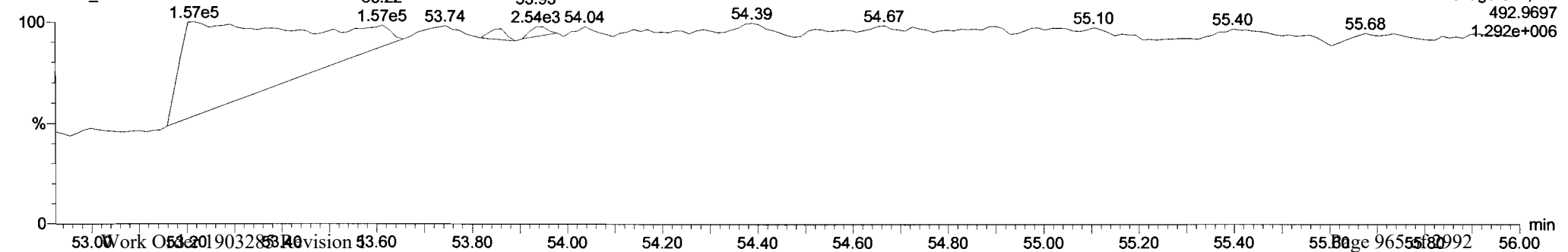


191028K2_3



PFK5

191028K2_3



Dataset: Untitled

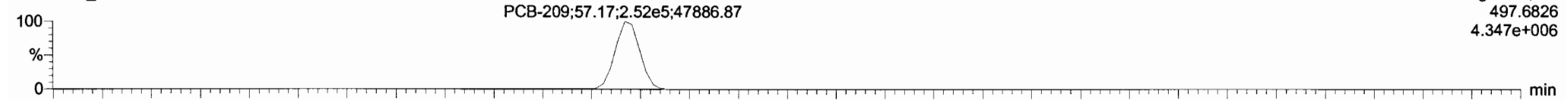
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_3, Date: 28-Oct-2019, Time: 17:33:28, ID: B9J0219-BS1 OPR 1, Description: OPR

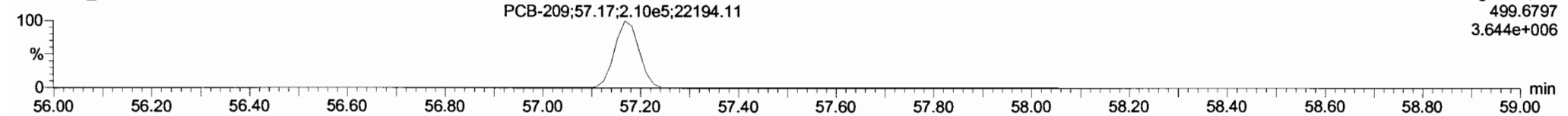
PCB-209

191028K2_3



F5:Voltage SIR,EI+
497.6826
4.347e+006

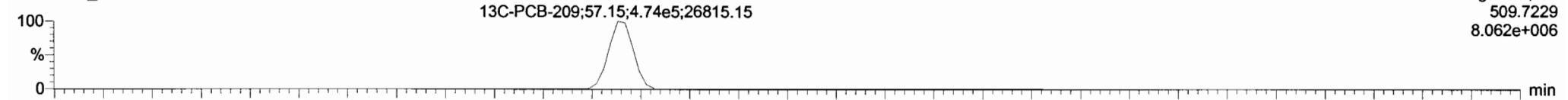
191028K2_3



F5:Voltage SIR,EI+
499.6797
3.644e+006

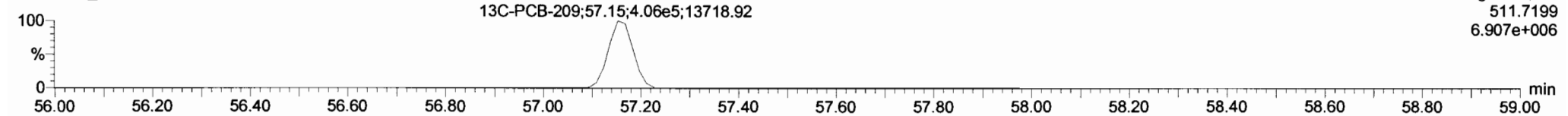
13C-PCB-209

191028K2_3



F5:Voltage SIR,EI+
509.7229
8.062e+006

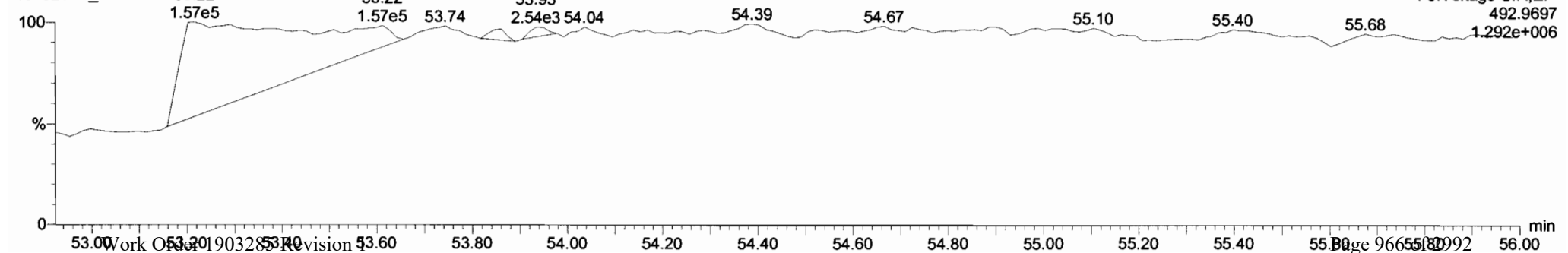
191028K2_3



F5:Voltage SIR,EI+
511.7199
6.907e+006

PFK5

191028K2_3



F5:Voltage SIR,EI+
492.9697
1.292e+006

Dataset: U:\WG11.PRO\Results\191104K3\191104K3-3.qld

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GRB 11/06/19
 W 11-6-19

Method: Untitled 04 Nov 2019 17:30:21
 Calibration: U:\WG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 11:47:57

Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	32 PCB-54	1.97e3	0.65	YES	0.996	5.469	28.19	28.19	1.001	1.001	NO	17.76		3.27	16.04
2	33 PCB-50	1.73e3	0.58	YES	0.781	5.469	29.45	29.42	1.045	1.044	NO	19.87		4.16	16.79
3	34 PCB-53	1.04e5	0.70	NO	0.955	5.469	30.11	30.11	0.948	0.948	NO	950.4		4.00	950.4
4	35 PCB-51	1.63e4	0.67	NO	1.02	5.469	30.54	30.54	0.962	0.961	NO	138.7		3.73	138.7
5	36 PCB-45	1.16e5	0.72	NO	0.808	5.469	30.89	30.89	0.973	0.972	NO	1247		4.73	1247
6	37 PCB-46	1.75e4	0.66	NO	0.754	5.469	31.29	31.37	0.985	0.988	NO	201.7		5.07	201.7
7	38 PCB-52/69	1.21e6	0.72	NO	1.09	5.469	31.80	31.80	1.001	1.001	NO	9656		3.50	9656
8	39 PCB-73			NO	1.29	5.469	31.93		1.005		YES			2.96	
9	40 PCB-43/49	9.08e5	0.72	NO	0.940	5.469	32.09	32.12	1.010	1.011	NO	8395		4.06	8395
10	41 PCB-47	3.37e5	0.72	NO	0.869	5.469	32.34	32.36	1.001	1.001	NO	3235		5.35	3235
11	42 PCB-48/75	2.34e5	0.73	NO	1.02	5.469	32.45	32.47	1.004	1.005	NO	1909		4.54	1909
12	43 PCB-65			NO	1.11	5.469	32.73		1.013		YES			4.19	
13	44 PCB-62	2.17e2	1.14	YES	1.07	5.469	32.84	32.86	1.016	1.017	NO	7.697		4.36	1.401
14	45 PCB-44	6.88e5	0.70	NO	0.761	5.469	33.18	33.22	1.027	1.028	NO	7540		6.11	7540
15	46 PCB-42/59	3.03e5	0.73	NO	0.960	5.469	33.40	33.48	1.033	1.036	NO	2633		4.84	2633
16	47 PCB-41/64/71/72	7.82e5	0.71	NO	1.08	5.469	34.03	34.09	1.053	1.055	NO	6026		4.30	6026
17	48 PCB-68	5.21e3	0.84	NO	1.11	5.469	34.32	34.33	1.062	1.062	NO	39.23		4.19	39.23
18	49 PCB-40	6.50e4	0.72	NO	0.577	5.469	34.55	34.46	1.069	1.066	NO	940.1		8.06	940.1
19	50 PCB-57			NO	1.05	5.469	35.18		0.969		YES			9.87	
20	51 PCB-67	4.73e4	0.67	NO	0.993	5.469	35.51	35.52	0.978	0.978	NO	1568		10.4	1568
21	52 PCB-58			NO	1.11	5.469	35.65		0.981		YES			9.29	
22	53 PCB-63			NO	0.962	5.469	35.80		0.986		YES			10.7	
23	54 PCB-74	1.82e5	0.71	NO	1.07	5.469	36.12	36.21	0.994	0.997	NO	5622		9.70	5622
24	55 PCB-61/70	3.98e5	0.71	NO	0.986	5.469	36.34	36.32	1.000	1.000	NO	13310		10.5	13310
25	56 PCB-76/66	3.46e5	0.73	NO	1.07	5.469	36.50	36.42	1.005	1.003	NO	10700		9.70	10700
26	57 PCB-80			NO	1.08	5.469	36.47		1.001		YES			4.58	
27	58 PCB-55	1.00e4	0.68	NO	1.07	5.469	36.80	36.71	1.010	1.007	NO	171.0		4.65	171.0
28	59 PCB-56/60	7.98e5	0.71	NO	0.934	5.469	37.34	37.20	1.024	1.020	YES	15530		5.31	15530
29	60 PCB-79			NO	1.04	5.469	38.45		1.055		YES			4.75	
30	61 PCB-78	3.75e3	0.83	NO	1.03	5.469	39.00	38.93	0.987	0.985	NO	23.79		2.53	23.79

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Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	62 PCB-81	8.57e3	0.67	NO	0.933	5.469	39.54	39.56	1.000	1.001	NO	60.10		2.80	60.10
32	63 PCB-77	1.39e5	0.72	NO	1.03	5.469	40.16	40.16	1.000	1.000	NO	851.5		2.61	851.5
33	64 PCB-104	1.87e2	1.36	NO	0.995	5.469	33.03	33.05	1.001	1.001	NO	2.487		1.21	2.487
34	65 PCB-96	7.62e3	1.51	NO	0.996	5.469	34.37	34.31	1.041	1.039	NO	101.4		1.21	101.4
35	66 PCB-103	2.73e4	1.38	NO	0.774	5.469	34.95	34.89	1.059	1.057	NO	467.5		1.56	467.5
36	67 PCB-100	4.05e3	1.25	YES	0.778	5.469	35.33	35.32	1.070	1.070	NO	68.97		1.55	62.94
37	68 PCB-94	2.14e3	1.43	NO	0.773	5.469	35.87	35.91	0.985	0.987	NO	121.8		3.65	121.8
38	69 PCB-95/98/102	2.09e5	1.37	NO	1.01	5.469	36.35	36.42	0.999	1.001	NO	9057		2.78	9057
39	70 PCB-93			NO	0.841	5.469	36.48		1.002		YES			3.36	
40	71 PCB-88/91	1.43e5	1.48	NO	0.890	5.469	36.68	36.68	1.008	1.008	NO	7089		3.18	7089
41	72 PCB-121			NO	1.39	5.469	36.95		1.015		YES			2.04	
42	73 PCB-84/92	4.87e5	1.49	NO	0.879	5.469	37.57	37.57	0.990	0.990	NO	5419		1.04	5419
43	74 PCB-89	1.73e4	1.41	NO	0.959	5.469	37.75	37.74	0.995	0.995	NO	176.1		0.949	176.1
44	75 PCB-90/101	1.32e6	1.48	NO	0.944	5.469	37.96	37.96	1.000	1.000	NO	13720		0.965	13720
45	76 PCB-113	4.77e3	1.33	NO	1.23	5.469	38.21	38.18	1.007	1.006	NO	37.87		0.740	37.87
46	77 PCB-99	5.82e5	1.47	NO	1.12	5.469	38.31	38.28	1.010	1.009	NO	5088		0.814	5088
47	78 PCB-119	5.65e4	1.48	NO	1.47	5.469	38.73	38.76	0.987	0.988	NO	384.9		0.689	384.9
48	79 PCB-108/112	6.05e4	1.45	NO	1.25	5.469	38.89	38.91	0.991	0.991	NO	485.3		0.811	485.3
49	80 PCB-83			NO	1.55	5.469	39.05		0.995		YES			0.655	
50	81 PCB-97	3.32e5	1.51	NO	1.07	5.469	39.28	39.26	1.001	1.000	NO	3098		0.943	3098
51	82 PCB-86	5.70e3	1.48	NO	0.996	5.469	39.43	39.45	1.005	1.005	NO	57.43		1.02	57.43
52	83 PCB-87/117/125	3.67e5	1.48	NO	1.33	5.469	39.54	39.56	1.008	1.008	NO	2764		0.761	2764
53	84 PCB-111/115	1.84e4	1.40	NO	1.60	5.469	39.71	39.75	1.012	1.013	NO	115.5		0.633	115.5
54	85 PCB-85/116	1.74e5	1.48	NO	1.22	5.469	39.84	39.82	1.015	1.015	NO	1432		0.834	1432
55	86 PCB-120			NO	1.68	5.469	40.11		1.022		YES			0.603	
56	87 PCB-110	1.45e6	1.49	NO	1.49	5.469	40.25	40.25	1.026	1.026	NO	9764		0.682	9764
57	88 PCB-82	9.93e4	1.50	NO	0.674	5.469	40.86	40.85	0.976	0.975	NO	1028		0.990	1028
58	89 PCB-124	4.51e4	1.42	NO	1.16	5.469	41.58	41.57	0.993	0.992	NO	271.0		0.574	271.0
59	90 PCB-107/109	1.01e5	1.49	NO	1.17	5.469	41.74	41.74	0.996	0.996	NO	606.7		0.572	606.7
60	91 PCB-123	1.42e4	1.43	NO	1.04	5.469	41.91	41.90	1.000	1.000	NO	95.28		0.641	95.28
61	92 PCB-106/118	9.74e5	1.49	NO	1.07	5.469	42.09	42.09	1.001	1.001	NO	7611		0.768	7611
62	93 PCB-114	2.37e4	1.56	NO	1.16	5.469	42.75	42.75	1.000	1.000	NO	160.6		2.33	160.6
63	94 PCB-122	1.05e4	1.58	NO	0.973	5.469	42.88	42.88	1.003	1.004	NO	84.94		2.79	84.94

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	95 PCB-105	3.35e5	1.59	NO	1.10	5.469	43.62	43.62	1.000	1.000	NO	2339		2.42	2339
65	96 PCB-127			NO	1.11	5.469	44.04		1.000		YES			2.70	
66	97 PCB-126	4.13e3	1.34	NO	1.21	5.469	46.03	46.01	1.000	1.000	NO	35.99		2.83	35.99
67	98 PCB-155			NO	0.874	5.469	37.48		1.000		YES			0.749	
68	99 PCB-150	2.15e3	1.35	NO	0.881	5.469	38.81	38.76	1.036	1.035	NO	26.57		0.744	26.57
69	1... PCB-152	8.86e2	1.37	NO	1.00	5.469	39.32	39.23	1.050	1.047	NO	9.619		0.652	9.619
70	1... PCB-145	4.37e2	1.34	NO	1.00	5.469	39.78	39.69	1.062	1.060	NO	4.767		0.655	4.767
71	1... PCB-136	2.05e5	1.29	NO	0.843	5.469	40.01	40.01	1.068	1.068	NO	2656		0.777	2656
72	1... PCB-148			NO	0.693	5.469	40.26		1.075		YES			0.944	
73	1... PCB-154	2.86e4	1.30	NO	0.724	5.469	40.64	40.64	1.085	1.085	NO	431.2		0.905	431.2
74	1... PCB-151	3.02e5	1.30	NO	0.632	5.469	41.29	41.29	1.102	1.102	NO	5219		1.04	5219
75	1... PCB-135	1.94e5	1.28	NO	0.716	5.469	41.51	41.51	1.108	1.108	NO	2950		0.915	2950
76	1... PCB-144	4.96e4	1.32	NO	0.667	5.469	41.63	41.63	1.111	1.111	NO	812.0		0.982	812.0
77	1... PCB-147	1.23e4	1.43	YES	0.661	5.469	41.76	41.76	1.115	1.115	NO	263.5		0.901	187.7
78	1... PCB-139/149	1.09e6	1.22	NO	0.738	5.469	42.02	42.02	1.122	1.122	NO	16090		0.887	16090
79	1... PCB-140	9.05e3	1.26	NO	0.627	5.469	42.22	42.22	1.127	1.127	NO	157.3		1.04	157.3
80	1... PCB-134/143	5.89e4	1.20	NO	0.733	5.469	42.68	42.67	0.975	0.975	NO	598.0		4.31	598.0
81	1... PCB-131/133	4.03e4	1.15	NO	0.790	5.469	42.96	42.96	0.982	0.981	NO	380.0		4.00	380.0
82	1... PCB-142	8.50e2	1.14	NO	0.708	5.469	43.12	43.13	0.985	0.985	NO	8.933		4.46	8.933
83	1... PCB-146/165	3.29e5	1.20	NO	0.959	5.469	43.37	43.38	0.991	0.991	NO	2550		3.29	2550
84	1... PCB-132/161	4.58e5	1.17	NO	0.974	5.469	43.61	43.64	0.996	0.997	NO	3501		3.24	3501
85	1... PCB-153	1.91e6	1.18	NO	1.01	5.469	43.79	43.79	1.000	1.000	NO	14080		3.12	14080
86	1... PCB-168	3.27e3	1.28	NO	1.02	5.469	44.02	44.00	1.006	1.005	NO	23.85		3.10	23.85
87	1... PCB-141	3.02e5	1.18	NO	0.967	5.469	44.55	44.55	1.000	1.000	NO	2814		4.26	2814
88	1... PCB-137	3.09e4	1.17	NO	0.987	5.469	44.93	45.01	1.009	1.011	NO	282.2		4.17	282.2
89	1... PCB-130	8.37e4	1.20	NO	0.840	5.469	45.05	45.08	1.012	1.012	NO	897.9		4.90	897.9
90	1... PCB-138/163/164	1.63e6	1.17	NO	1.23	5.469	45.52	45.52	1.001	1.001	NO	12570		3.46	12570
91	1... PCB-158/160	1.14e5	1.21	NO	1.18	5.469	45.77	45.74	1.006	1.006	NO	917.5		3.60	917.5
92	1... PCB-129	1.90e4	1.20	NO	0.819	5.469	46.02	45.99	1.012	1.011	NO	219.9		5.18	219.9
93	1... PCB-166	3.83e3	1.18	NO	1.07	5.469	46.45	46.43	0.993	0.993	NO	26.53		3.41	26.53
94	1... PCB-159	4.25e4	1.22	NO	1.12	5.469	46.79	46.81	1.000	1.001	NO	281.7		3.25	281.7
95	1... PCB-128/162	1.51e5	1.19	NO	0.851	5.469	47.08	47.01	1.007	1.005	NO	1317		4.28	1317
96	1... PCB-167	4.47e4	1.13	NO	1.04	5.469	47.53	47.53	1.000	1.000	NO	361.5		3.24	361.5

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	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	1... PCB-156	1.25e5	1.18	NO	1.06	5.469	48.78	48.78	1.000	1.000	NO	992.9		3.28	992.9
98	1... PCB-157	1.55e4	1.25	NO	0.978	5.469	49.08	49.06	1.001	1.000	NO	129.1		3.43	129.1
99	1... PCB-169			NO	1.11	5.469	51.32		1.000		YES			4.03	
100	1... PCB-188	8.07e2	0.89	YES	1.19	5.469	43.42	43.40	1.001	1.000	NO	5.965		2.30	5.474
101	1... PCB-184	4.96e2	1.36	YES	1.17	5.469	43.86	43.83	1.011	1.010	NO	3.749		2.36	3.252
102	1... PCB-179	3.97e5	1.01	NO	1.18	5.469	44.67	44.65	1.030	1.029	NO	2978		2.33	2978
103	1... PCB-176	1.19e5	1.01	NO	1.16	5.469	45.15	45.14	1.041	1.041	NO	902.7		2.36	902.7
104	1... PCB-186	5.11e2	1.38	YES	1.22	5.469	45.77	45.78	1.055	1.055	NO	3.793		2.25	3.192
105	1... PCB-178	7.42e4	1.01	NO	0.830	5.469	46.28	46.29	1.067	1.067	NO	788.0		3.30	788.0
106	1... PCB-175	1.48e4	1.04	NO	0.849	5.469	46.64	46.67	1.075	1.076	NO	153.9		3.23	153.9
107	1... PCB-182/187	8.68e5	1.01	NO	0.960	5.469	46.84	46.81	1.080	1.079	NO	7974		2.85	7974
108	1... PCB-183	3.76e5	1.03	NO	0.957	5.469	47.18	47.15	1.088	1.087	NO	3468		2.87	3468
109	1... PCB-185	6.64e4	1.02	NO	1.32	5.469	47.81	47.87	0.955	0.956	NO	717.6		3.42	717.6
110	1... PCB-174	4.11e5	1.00	NO	1.22	5.469	48.18	48.21	0.962	0.963	NO	4801		3.71	4801
111	1... PCB-181	3.00e3	0.90	NO	1.41	5.469	48.28	48.30	0.964	0.965	NO	30.21		3.19	30.21
112	1... PCB-177	3.09e5	1.01	NO	1.24	5.469	48.46	48.47	0.968	0.968	NO	3552		3.64	3552
113	1... PCB-171	1.42e5	0.99	NO	1.24	5.469	48.75	48.78	0.974	0.974	NO	1631		3.64	1631
114	1... PCB-173	8.91e3	1.07	NO	1.14	5.469	49.19	49.21	0.983	0.983	NO	111.3		3.96	111.3
115	1... PCB-172	8.07e4	1.01	NO	1.31	5.469	49.68	49.69	0.992	0.992	NO	880.3		3.46	880.3
116	1... PCB-192			NO	1.70	5.469	49.87		0.996		YES			2.66	
117	1... PCB-180	1.19e6	1.01	NO	1.32	5.469	50.08	50.08	1.000	1.000	NO	12850		3.42	12850
118	1... PCB-193	7.01e4	0.99	NO	1.54	5.469	50.31	50.29	1.005	1.005	NO	648.8		2.93	648.8
119	1... PCB-191	1.95e4	0.97	NO	1.57	5.469	50.56	50.56	1.010	1.010	NO	176.5		2.87	176.5
120	1... PCB-170	3.93e5	1.02	NO	1.36	5.469	51.73	51.73	1.000	1.000	NO	5035		3.82	5035
121	1... PCB-190	1.02e5	1.02	NO	1.84	5.469	51.92	51.92	1.004	1.004	NO	960.4		2.82	960.4
122	1... PCB-189	1.47e4	0.97	NO	1.33	5.469	53.40	53.40	1.000	1.000	NO	166.4		2.95	166.4
123	1... PCB-202	5.83e4	0.85	NO	1.02	5.469	48.99	48.97	1.001	1.000	NO	556.2		0.867	556.2
124	1... PCB-201	4.25e4	0.89	NO	0.915	5.469	49.47	49.48	1.011	1.011	NO	453.4		0.970	453.4
125	1... PCB-204	5.83e2	1.30	YES	0.979	5.469	49.62	49.61	1.014	1.014	NO	5.820		0.967	4.773
126	1... PCB-197	1.31e4	0.82	NO	0.979	5.469	49.94	49.93	1.020	1.020	NO	130.4		0.907	130.4
127	1... PCB-200	3.86e4	0.90	NO	0.954	5.469	50.90	50.86	1.040	1.039	NO	395.0		0.930	395.0
128	1... PCB-198	9.85e3	0.90	NO	0.748	5.469	52.42	52.43	1.071	1.071	NO	128.6		1.19	128.6
129	1... PCB-199	1.77e5	0.89	NO	0.706	5.469	52.53	52.51	1.073	1.073	NO	2456		1.26	2456

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Last Altered: Wednesday, November 06, 2019 13:39:38 Pacific Standard Time

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Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-196/203	2.13e5	0.86	NO	0.785	5.469	52.99	52.81	1.083	1.079	NO	2647		1.13	2647
131	1... PCB-195	8.08e4	0.92	NO	1.03	5.469	54.05	54.07	0.984	0.984	NO	1360		2.86	1360
132	1... PCB-194	1.81e5	0.92	NO	1.16	5.469	54.98	54.97	1.000	1.000	NO	2731		2.55	2731
133	1... PCB-205	8.39e3	0.92	NO	1.40	5.469	55.24	55.25	1.005	1.005	NO	104.2		2.11	104.2
134	1... PCB-208	1.99e4	1.18	NO	0.934	5.469	54.22	54.21	1.000	1.000	NO	276.9		1.82	276.9
135	1... PCB-207	1.19e4	1.14	NO	0.912	5.469	54.54	54.55	1.006	1.006	NO	169.7		1.86	169.7
136	1... PCB-206	4.71e4	1.31	NO	0.987	5.469	56.51	56.51	1.000	1.000	NO	1084		2.94	1084
137	1... PCB-209	3.96e4	1.19	NO	0.943	5.469	57.69	57.71	1.000	1.000	NO	1149		0.738	1149
138	1... 13C-PCB-54	2.03e5	0.71	NO	1.10	5.469	28.17	28.17	0.757	0.757	NO	1079	59.0	1.73	
139	1... 13C-PCB-52	2.10e5	0.76	NO	0.844	5.469	31.76	31.76	0.854	0.854	NO	1452	79.4	2.25	
140	1... 13C-PCB-47	2.19e5	0.72	NO	0.893	5.469	32.32	32.32	0.869	0.869	NO	1429	78.2	2.13	
141	1... 13C-PCB-70	5.55e4	0.71	NO	1.01	5.469	36.32	36.32	0.976	0.977	NO	320.9	17.5	1.89	
142	1... 13C-PCB-80	1.01e5	0.76	NO	1.05	5.469	36.45	36.45	0.980	0.980	NO	559.8	30.6	1.82	
143	1... 13C-PCB-81	2.80e5	0.73	NO	0.985	5.469	39.52	39.52	1.062	1.063	NO	1653	90.4	1.93	
144	1... 13C-PCB-77	2.89e5	0.75	NO	0.958	5.469	40.14	40.14	1.079	1.079	NO	1753	95.9	1.99	
145	1... 13C-PCB-104	1.38e5	1.59	NO	1.10	5.469	33.01	33.01	0.831	0.831	NO	881.2	48.2	1.34	
146	1... 13C-PCB-95	4.15e4	1.42	NO	0.852	5.469	36.40	36.40	0.917	0.917	NO	341.4	18.7	1.72	
147	1... 13C-PCB-101	1.87e5	1.63	NO	0.814	5.469	37.87	37.94	0.954	0.955	NO	1611	88.1	1.80	
148	1... 13C-PCB-97	1.82e5	1.55	NO	0.709	5.469	39.24	39.24	0.988	0.988	NO	1802	98.5	2.07	
149	1... 13C-PCB-123	2.62e5	1.63	NO	0.922	5.469	41.94	41.89	1.056	1.055	NO	1989	109	1.59	
150	1... 13C-PCB-118	2.19e5	1.63	NO	0.975	5.469	42.14	42.05	1.061	1.059	NO	1572	86.0	1.50	
151	1... 13C-PCB-114	2.33e5	1.50	NO	1.52	5.469	42.73	42.73	0.909	0.909	NO	1368	74.8	2.36	
152	1... 13C-PCB-105	2.38e5	1.46	NO	1.58	5.469	43.61	43.60	0.928	0.928	NO	1343	73.4	2.26	
153	1... 13C-PCB-127	2.56e5	1.46	NO	1.62	5.469	44.02	44.02	0.937	0.937	NO	1412	77.2	2.21	
154	1... 13C-PCB-126	1.73e5	1.48	NO	1.45	5.469	46.01	46.01	0.979	0.979	NO	1070	58.5	2.48	
155	1... 13C-PCB-155	1.68e5	1.26	NO	1.03	5.469	37.39	37.46	0.942	0.943	NO	1145	62.6	0.764	
156	1... 13C-PCB-153	2.46e5	1.26	NO	1.42	5.469	43.71	43.77	0.930	0.931	NO	1542	84.3	1.89	
157	1... 13C-PCB-141	2.03e5	1.25	NO	1.14	5.469	44.49	44.53	0.947	0.948	NO	1587	86.8	2.36	
158	1... 13C-PCB-138	1.93e5	1.24	NO	1.18	5.469	45.49	45.48	0.968	0.968	NO	1465	80.1	2.28	
159	1... 13C-PCB-159	2.47e5	1.21	NO	1.43	5.469	46.73	46.77	0.994	0.995	NO	1538	84.1	1.88	
160	2... 13C-PCB-167	2.17e5	1.19	NO	1.42	5.469	47.44	47.51	1.010	1.011	NO	1361	74.4	1.89	
161	2... 13C-PCB-156	2.18e5	1.18	NO	1.40	5.469	48.79	48.76	1.038	1.037	NO	1397	76.4	1.93	
162	2... 13C-PCB-157	2.24e5	1.22	NO	1.41	5.469	49.06	49.04	1.044	1.044	NO	1423	77.8	1.91	

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Last Altered: Wednesday, November 06, 2019 13:39:38 Pacific Standard Time

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Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	2... 13C-PCB-169	1.65e5	1.22	NO	1.35	5.469	51.38	51.29	1.093	1.092	NO	1098	60.0	2.00	
164	2... 13C-PCB-188	2.07e5	0.44	NO	1.46	5.469	43.30	43.38	0.925	0.927	NO	1355	74.1	0.810	
165	2... 13C-PCB-180	1.28e5	0.44	NO	0.932	5.469	50.12	50.06	1.071	1.070	NO	1316	72.0	1.27	
166	2... 13C-PCB-170	1.05e5	0.44	NO	0.796	5.469	51.71	51.71	1.105	1.105	NO	1261	69.0	1.49	
167	2... 13C-PCB-189	1.21e5	0.45	NO	1.09	5.469	53.38	53.38	1.140	1.140	NO	1065	58.3	1.09	
168	2... 13C-PCB-202	1.87e5	0.96	NO	1.45	5.469	49.01	48.95	1.043	1.042	NO	1233	67.5	0.409	
169	2... 13C-PCB-194	1.05e5	0.86	NO	0.714	5.469	54.96	54.96	0.995	0.995	NO	1916	105	4.43	
170	2... 13C-PCB-208	1.40e5	0.75	NO	0.896	5.469	54.15	54.20	0.980	0.981	NO	2037	111	3.29	
171	2... 13C-PCB-206	8.05e4	0.80	NO	0.653	5.469	56.49	56.49	1.023	1.023	NO	1603	87.7	4.52	
172	2... 13C-PCB-209	6.68e4	1.14	NO	0.806	5.469	57.76	57.69	1.046	1.044	NO	1078	59.0	0.444	
173	2... 13C-PCB-15	3.36e4	1.52	NO	1.00	5.469	25.74	25.66	1.000	0.000	NO	1829	100	72.5	
174	2... 13C-PCB-31	3.79e5	0.92	NO	1.00	5.469	29.27	29.27	1.000	0.000	NO	1829	100	8.81	
175	2... 13C-PCB-60	3.14e5	0.73	NO	1.00	5.469	37.20	37.20	1.000	0.000	NO	1829	100	1.90	
176	2... 13C-PCB-111	2.61e5	1.65	NO	1.00	5.469	39.71	39.71	1.000	0.000	NO	1829	100	1.47	
177	2... 13C-PCB-128	2.05e5	1.20	NO	1.00	5.469	46.99	46.99	1.000	0.000	NO	1829	100	2.69	
178	2... 13C-PCB-182	1.91e5	0.43	NO	1.00	5.469	46.70	46.81	0.000	0.000	NO	1829	100	1.18	
179	2... 13C-PCB-205	1.41e5	0.85	NO	1.00	5.469	55.18	55.24	1.000	0.000	NO	1829	100	3.16	
180	2... 13C-PCB-79	2.96e5	0.74	NO	1.03	5.469	38.34	38.26	1.031	1.029	NO	1670	91.4	1.84	
181	2... 13C-PCB-178	9.14e4	0.42	NO	0.875	5.469	46.25	46.28	0.988	0.989	NO	934.1	51.1	1.29	
182	2... 13C-PCB-79	2.98e5	0.74	NO	1.05	5.469	38.24	38.26	0.967	0.968	NO	1864	102	2.33	
183	2... 13C-PCB-178	9.14e4	0.42	NO	0.975	5.469	46.24	46.28	0.924	0.924	NO	1336	73.1	1.84	
184	2... Total Tetra-PCBs				0.986	5.469	0.00		0.000		NO	90750		179	90780
185	2... 3rd Function Penta-PCBs				1.12	5.469	0.00		0.000		NO	68990	71,610 ✓	36.2	69050
186	2... 4th Function Penta-PCBs				1.11	5.469	0.00		0.000		NO	2620		13.1	2620
187	2... 3rd Function Hexa-PCBs				0.774	5.469	0.00		0.000		NO	28360	70,310 ✓	11.3	28550
188	2... 4th Function Hexa-PCBs				0.972	5.469	0.00		0.000		NO	41950		76.0	41950
189	2... Total Hepta-PCBs				1.26	5.469	0.00		0.000		NO	47820		70.3	47840
190	2... 4th Function Octa-PCBs				0.886	5.469	0.00		0.000		NO	6767	10,962 ✓	8.16	6772
191	2... 5th Function Octa-PCBs				1.20	5.469	0.00		0.000		NO	4195		7.52	4195
192	2... Total Nona-PCBs				0.945	5.469	0.00		0.000		NO	1531		6.63	1531
193	2... Deca-CB				0.943	5.469	0.00		0.000		NO	1149		0.738	1149

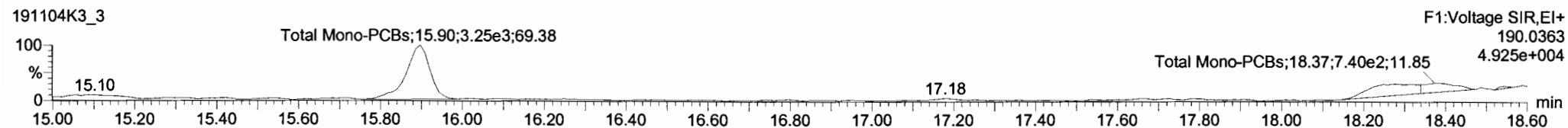
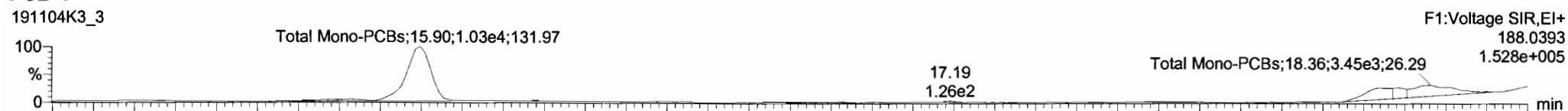
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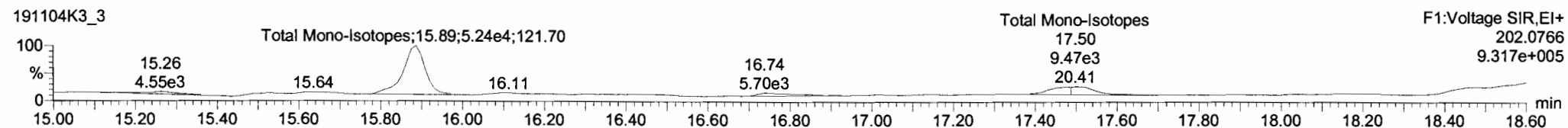
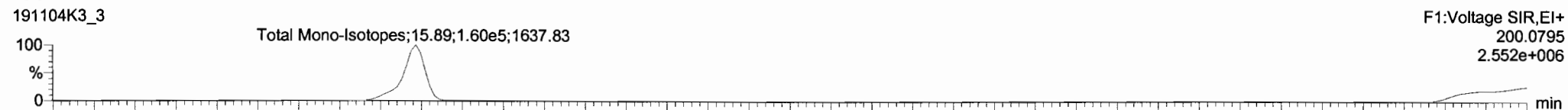
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Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

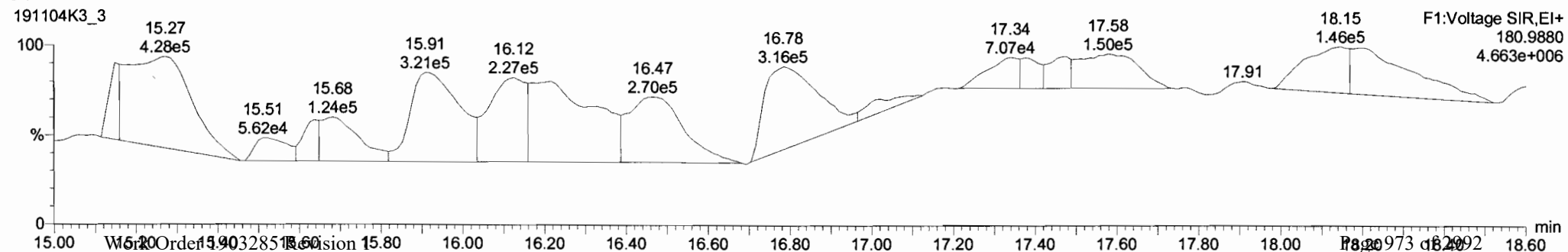
PCB-1



13C-PCB-1



PFK1



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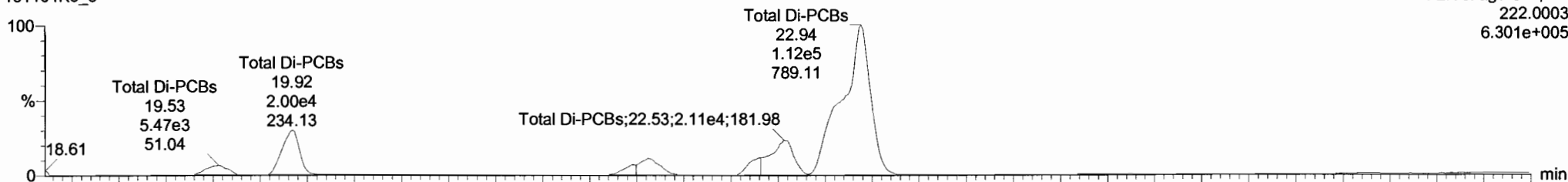
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PCB-4/10

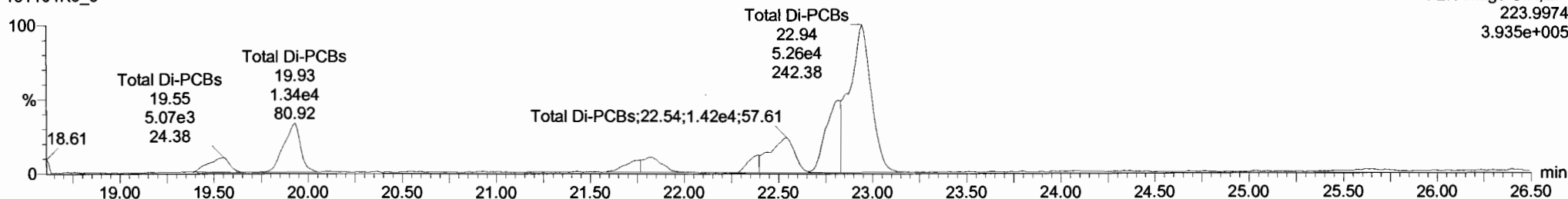
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F2:Voltage SIR,EI+
222.0003
6.301e+005



191104K3_3

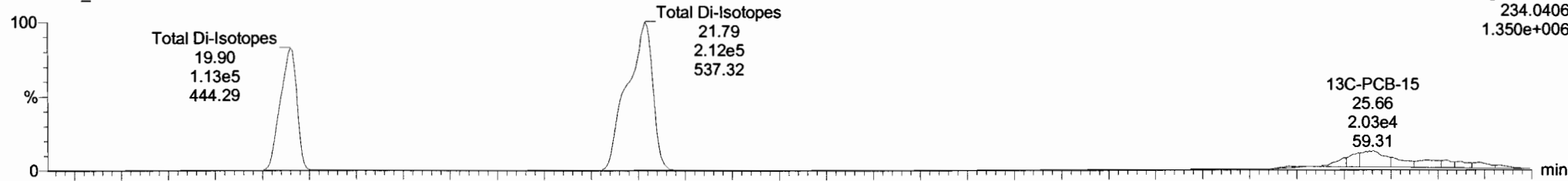
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223.9974
3.935e+005



13C-PCB-4

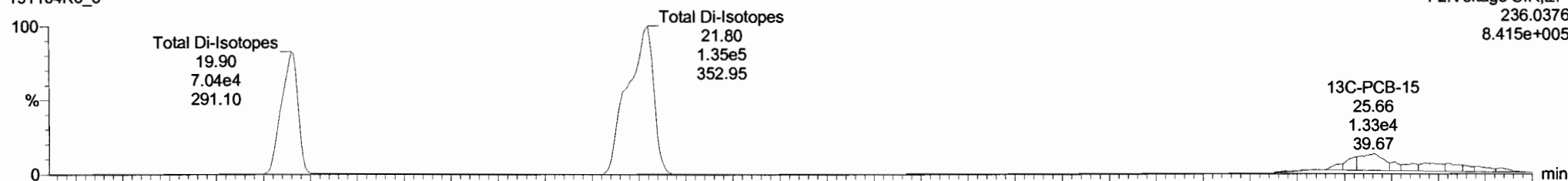
191104K3_3

F2:Voltage SIR,EI+
234.0406
1.350e+006



191104K3_3

F2:Voltage SIR,EI+
236.0376
8.415e+005



Dataset: Untitled

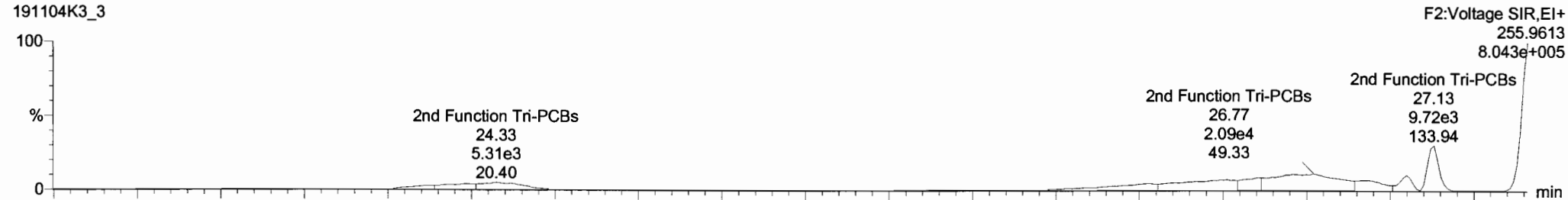
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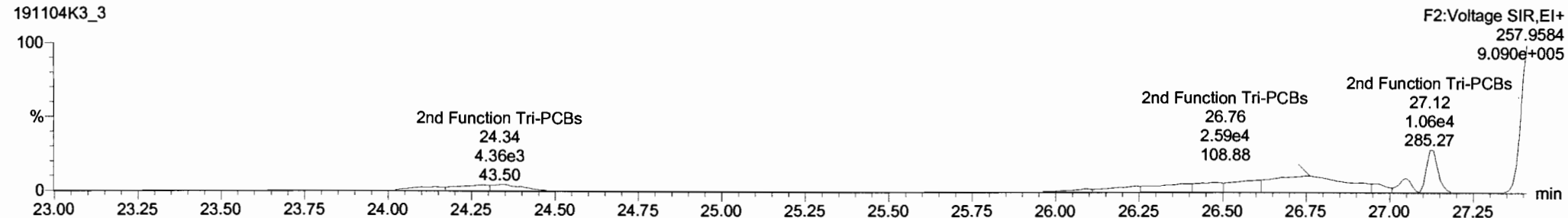
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PCB-19

191104K3_3

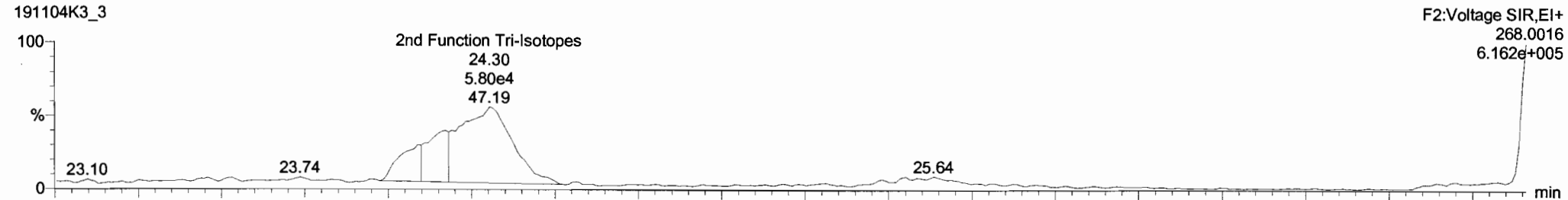


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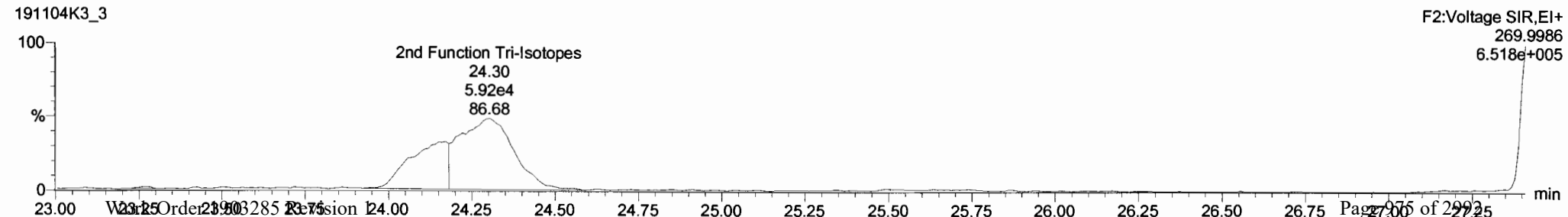


13C-PCB-19

191104K3_3



191104K3_3



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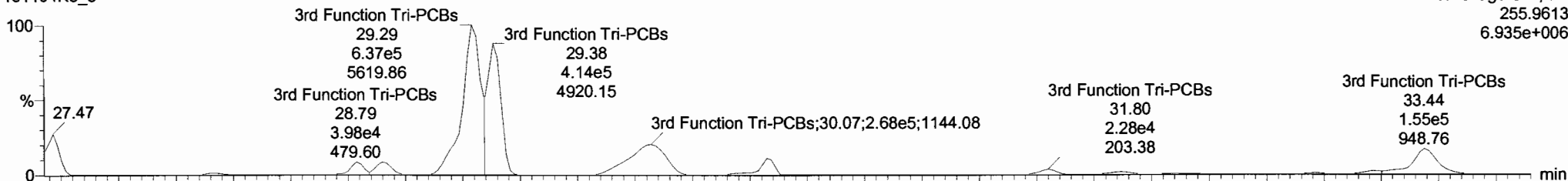
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PCB-34

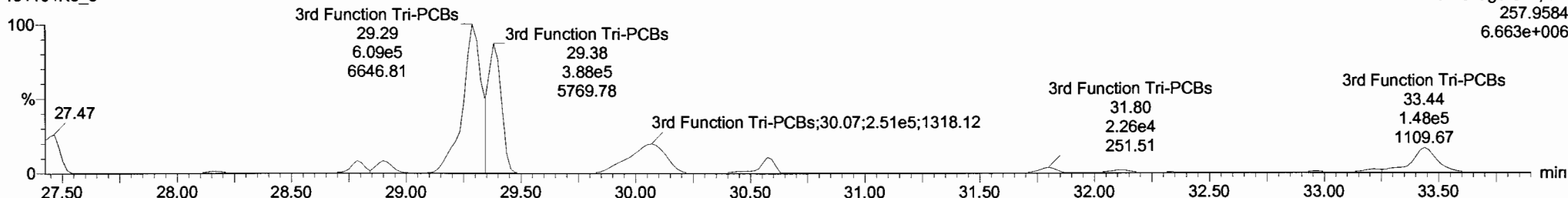
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255.9613
6.935e+006



191104K3_3

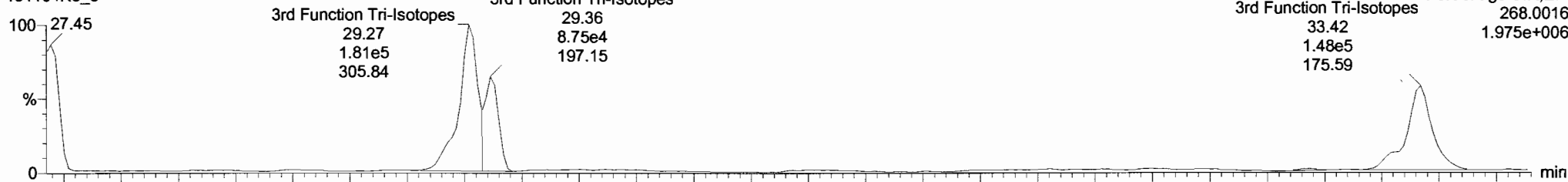
F3:Voltage SIR,EI+
257.9584
6.663e+006



13C-PCB-28

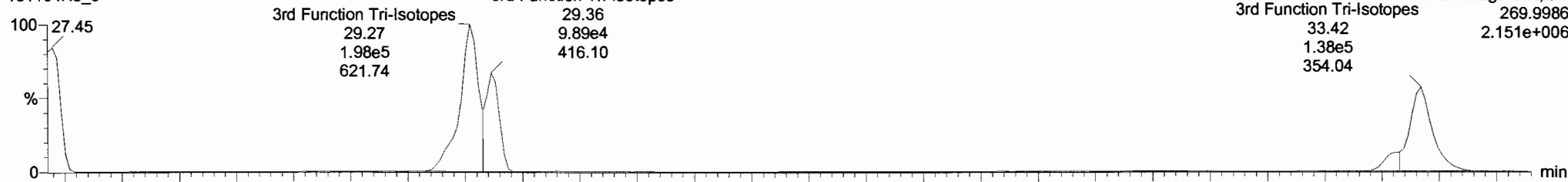
191104K3_3

F3:Voltage SIR,EI+
268.0016
1.975e+006



191104K3_3

F3:Voltage SIR,EI+
269.9986
2.151e+006

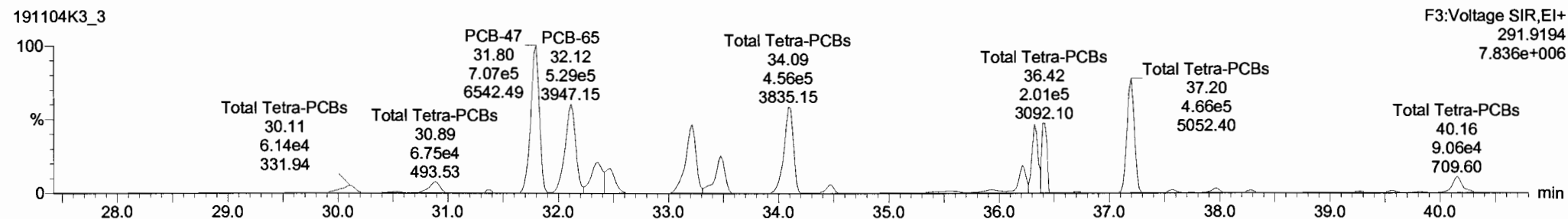
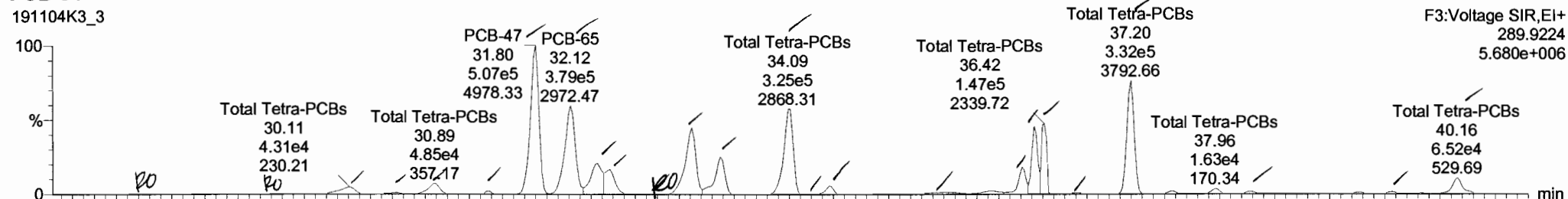


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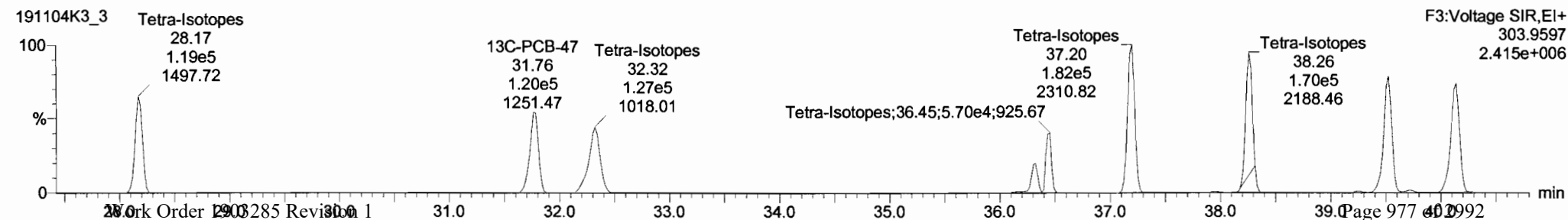
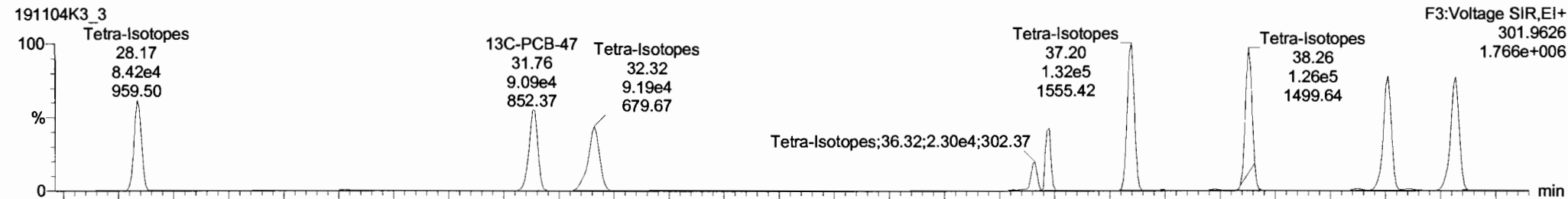
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PCB-54



13C-PCB-54



Vista Analytical Laboratory VG-11

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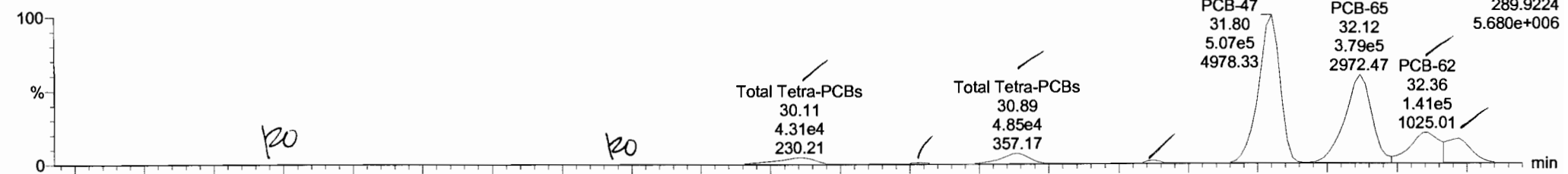
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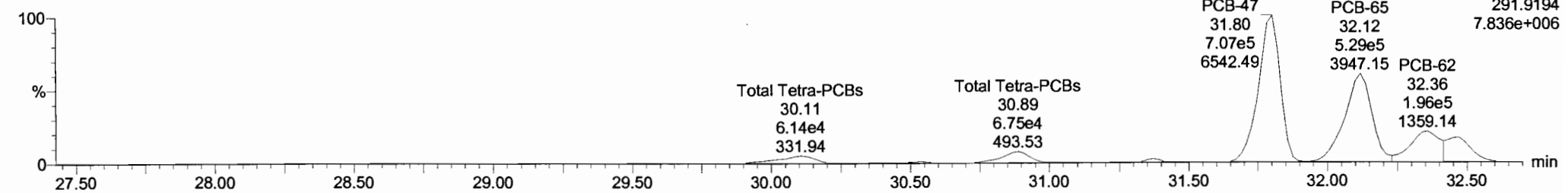
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PCB-50

191104K3_3

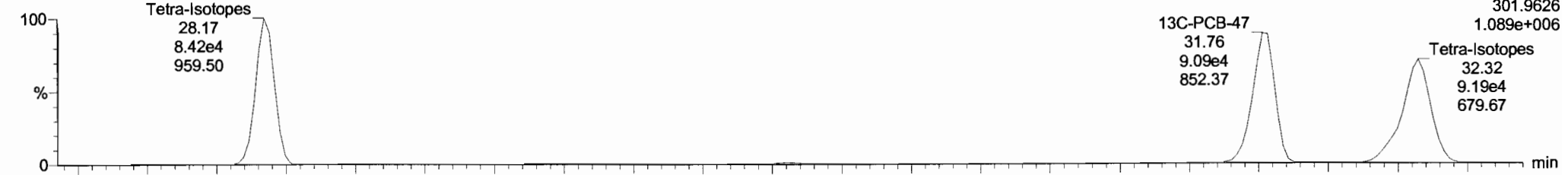


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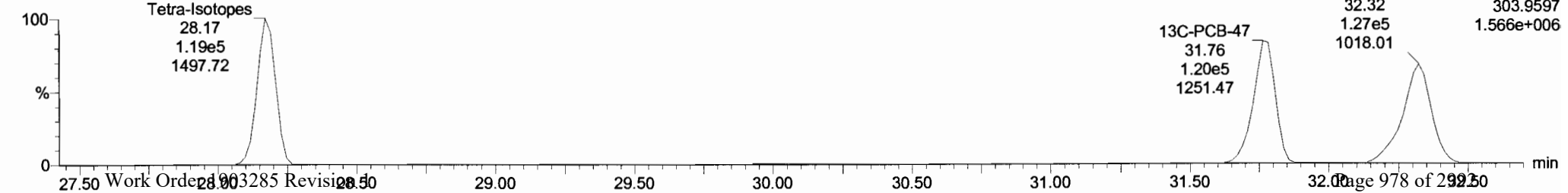


13C-PCB-52

191104K3_3



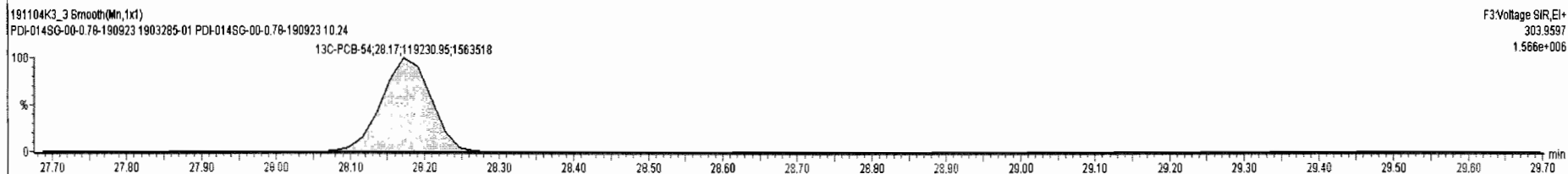
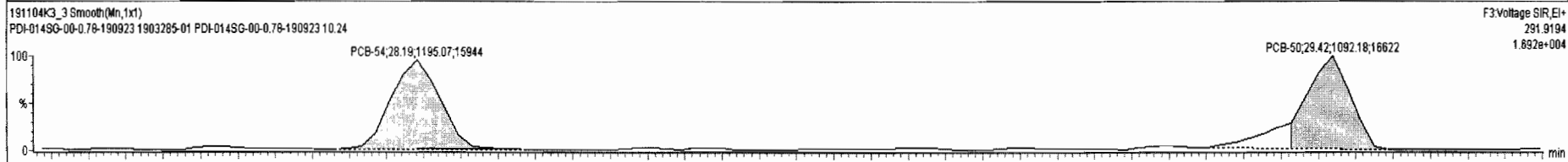
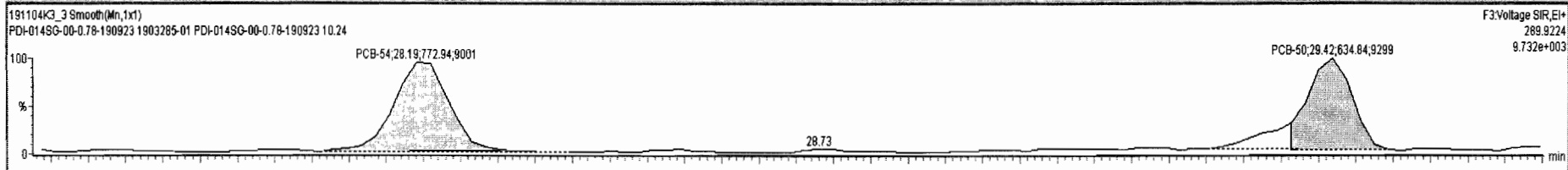
191104K3_3

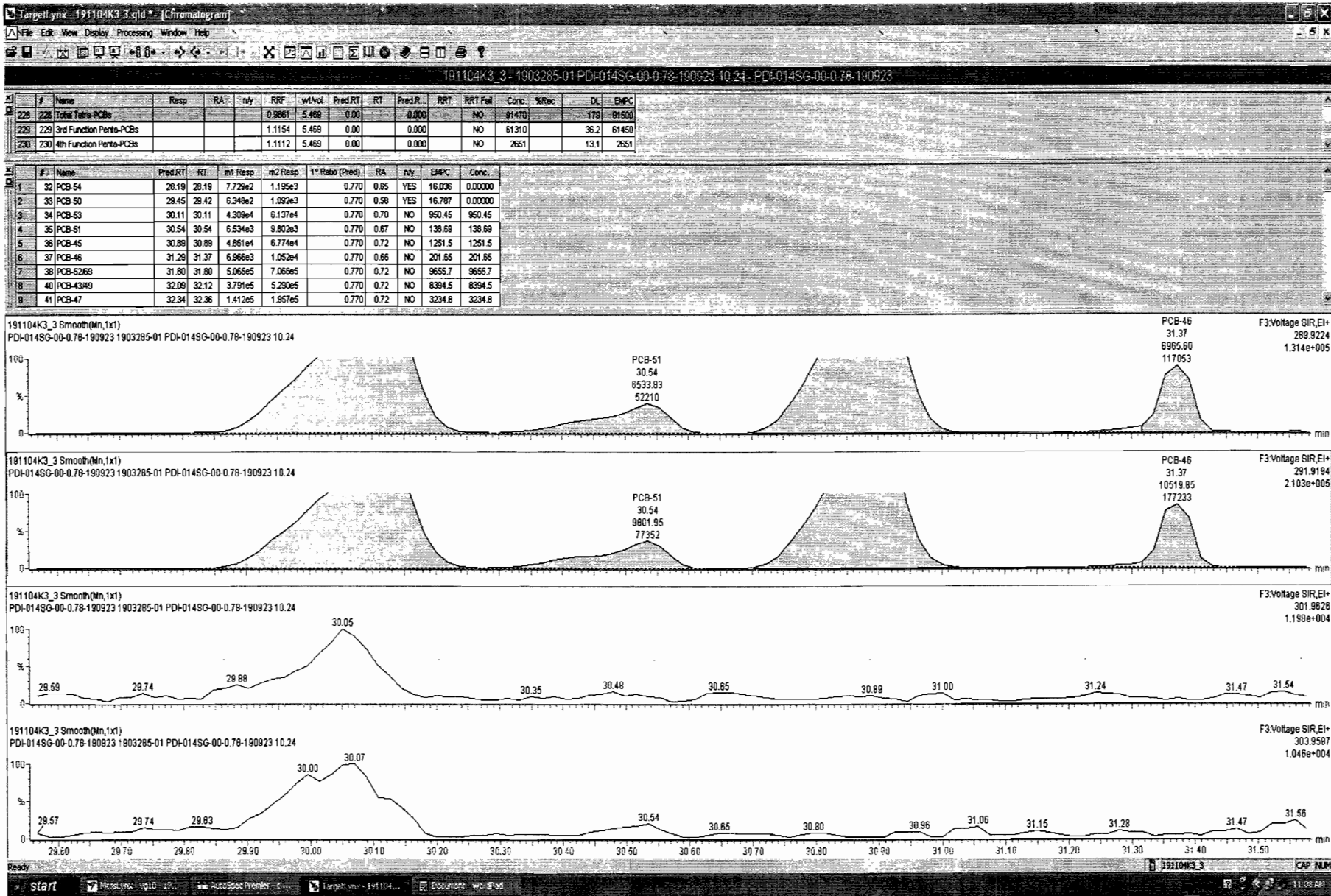


191104K3_3 - 1903285-01 PDI-014SG-00-0.78-190923 10.24 - PDI-014SG-00-0.78-190923

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9861	5.469	0.00		0.000		NO	91470		179	91500
229	229 3rd Function Penta-PCBs				1.1154	5.469	0.00		0.000		NO	61310		36.2	61450
230	230 4th Function Penta-PCBs				1.1112	5.469	0.00		0.000		NO	2651		13.1	2651

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	28.19	28.19	7.729e2	1.195e3	0.770	0.65	YES	16.036	0.00000
2	33 PCB-50	29.45	29.42	6.348e2	1.092e3	0.770	0.58	YES	16.787	0.00000
3	34 PCB-53	30.11	30.11	4.309e4	6.137e4	0.770	0.70	NO	950.45	950.45
4	35 PCB-51	30.54	30.54	6.534e3	9.802e3	0.770	0.67	NO	138.69	138.69
5	36 PCB-45	30.89	30.89	4.861e4	6.774e4	0.770	0.72	NO	1251.5	1251.5
6	37 PCB-46	31.29	31.37	6.966e3	1.052e4	0.770	0.68	NO	201.65	201.65
7	38 PCB-52/69	31.80	31.80	5.065e5	7.068e5	0.770	0.72	NO	9655.7	9655.7
8	40 PCB-43/49	32.08	32.12	3.791e5	5.290e5	0.770	0.72	NO	8394.5	8394.5
9	41 PCB-47	32.34	32.36	1.412e5	1.957e5	0.770	0.72	NO	3234.8	3234.8

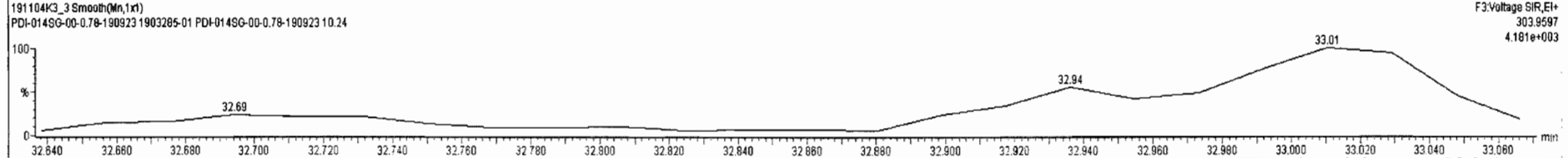
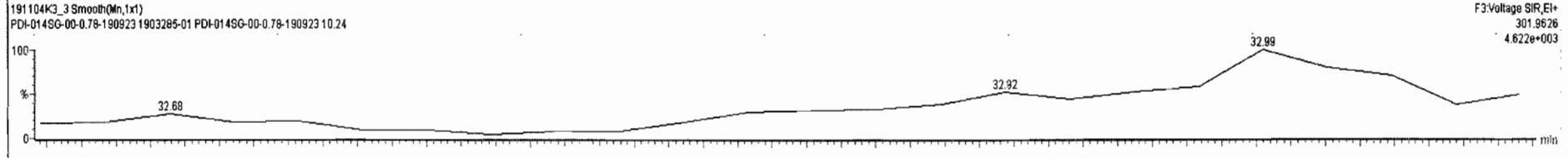
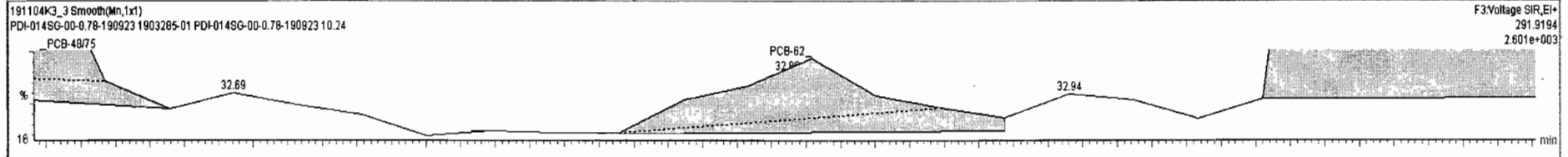
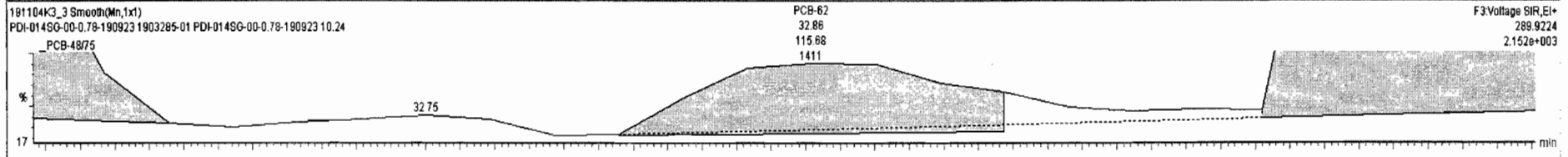




191104K3_3 - 1903285-01 PDI-014SG-00-0.78-190923 10.24 - PDI-014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.469	0.00		0.000		NO	27610		43.8	27910
228	228 Total Tetra-PCBs				0.8961	5.469	0.00		0.000		NO	90790		179	90790
229	229 3rd Function Penta-PCBs				1.1154	5.469	0.00		0.000		NO	68920		36.2	68980

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
8	40 PCB-4349	32.09	32.12	3.791e5	5.290e5	0.770	0.72	NO	8394.5	8394.5
9	41 PCB-47	32.34	32.36	1.412e5	1.957e5	0.770	0.72	NO	3234.8	3234.8
10	42 PCB-48/75	32.45	32.47	9.912e4	1.353e5	0.770	0.73	NO	1909.0	1909.0
11	44 PCB-62	32.84	32.86	1.157e2	1.010e2	0.770	1.14	YES	1.4006	0.00000
12	45 PCB-44	33.18	33.22	2.842e5	4.037e5	0.770	0.70	NO	7539.6	7539.6
13	46 PCB-42/69	33.40	33.48	1.279e5	1.751e5	0.770	0.73	NO	2632.7	2632.7
14	47 PCB-41/64/172	34.03	34.09	3.253e5	4.562e5	0.770	0.71	NO	6025.6	6025.6
15	48 PCB-68	34.32	34.33	2.383e3	2.831e3	0.770	0.84	NO	39.229	39.229
16	49 PCB-40	34.55	34.46	2.724e4	3.775e4	0.770	0.72	NO	940.06	940.06



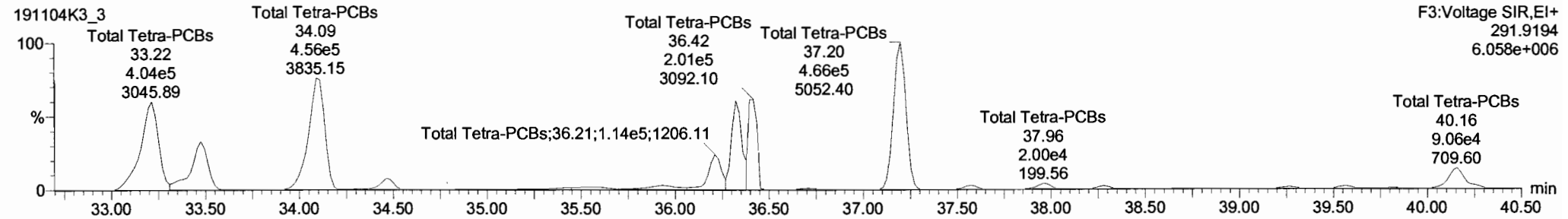
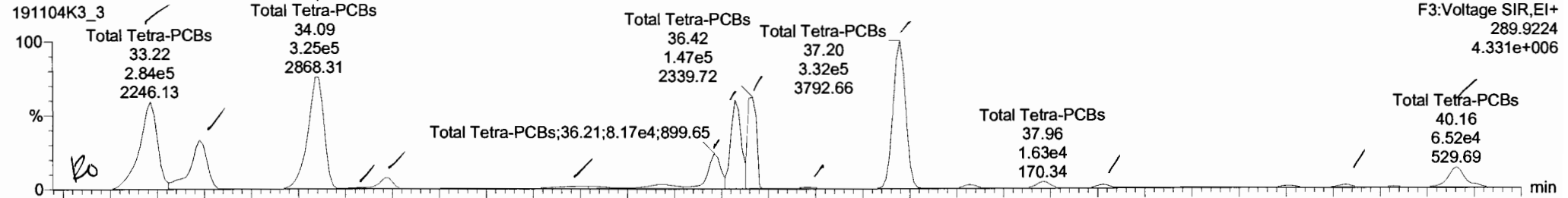
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Last Altered: Tuesday, November 05, 2019 07:38:34 Pacific Standard Time

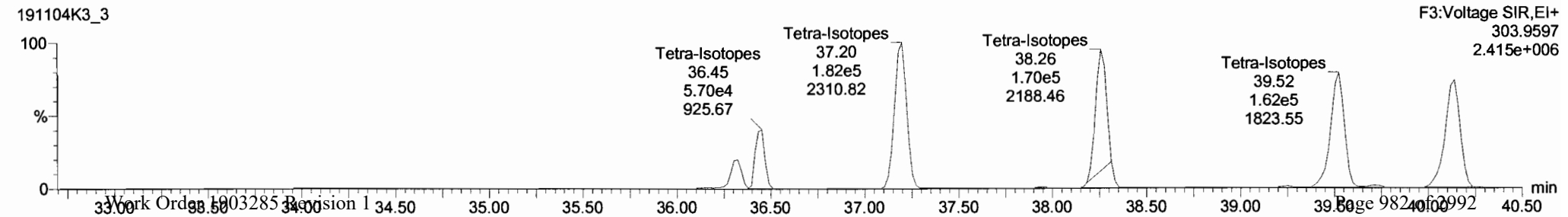
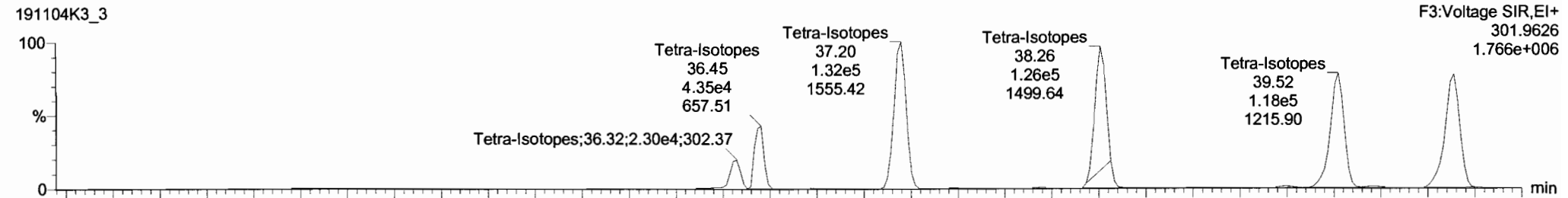
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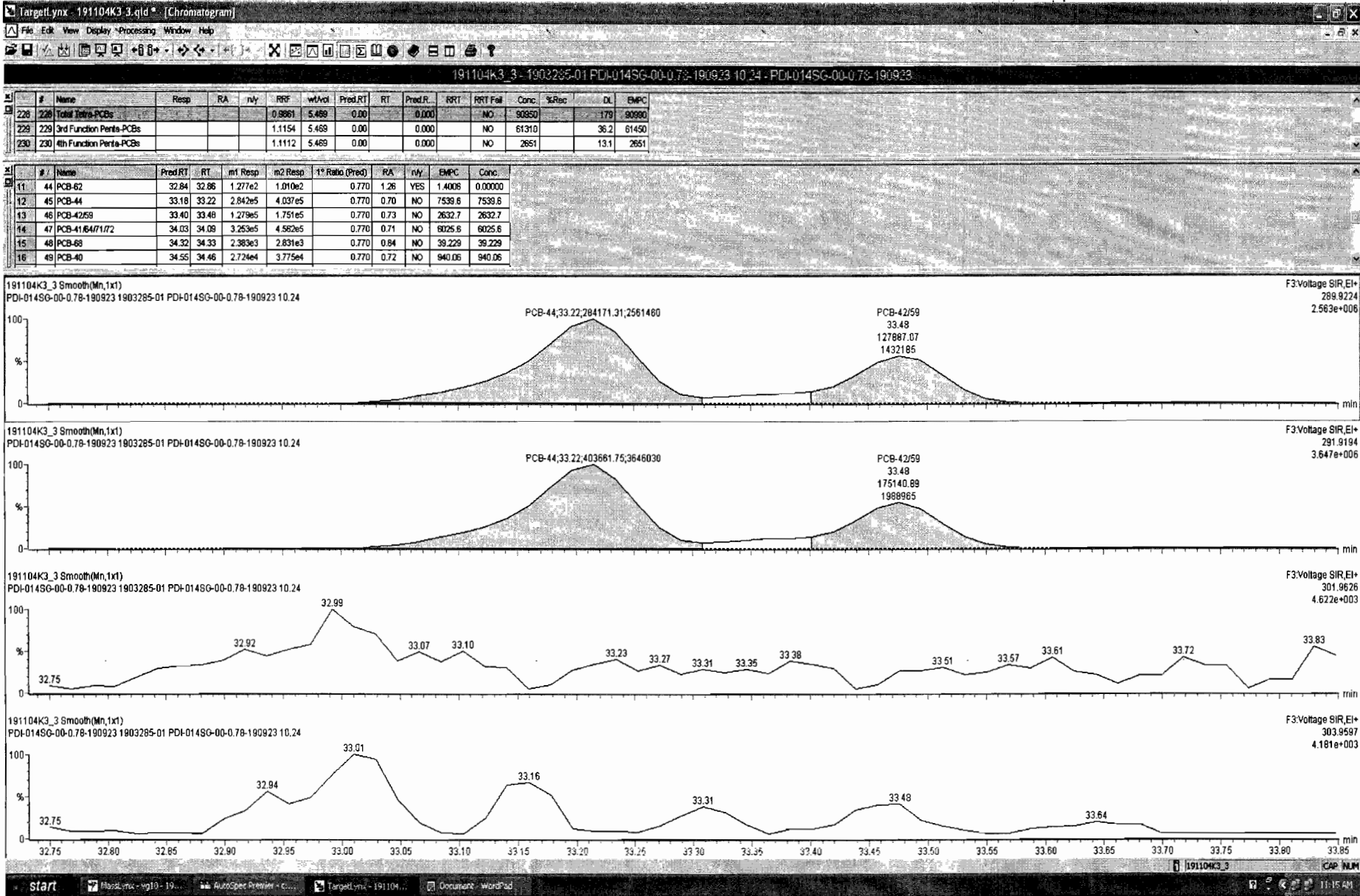
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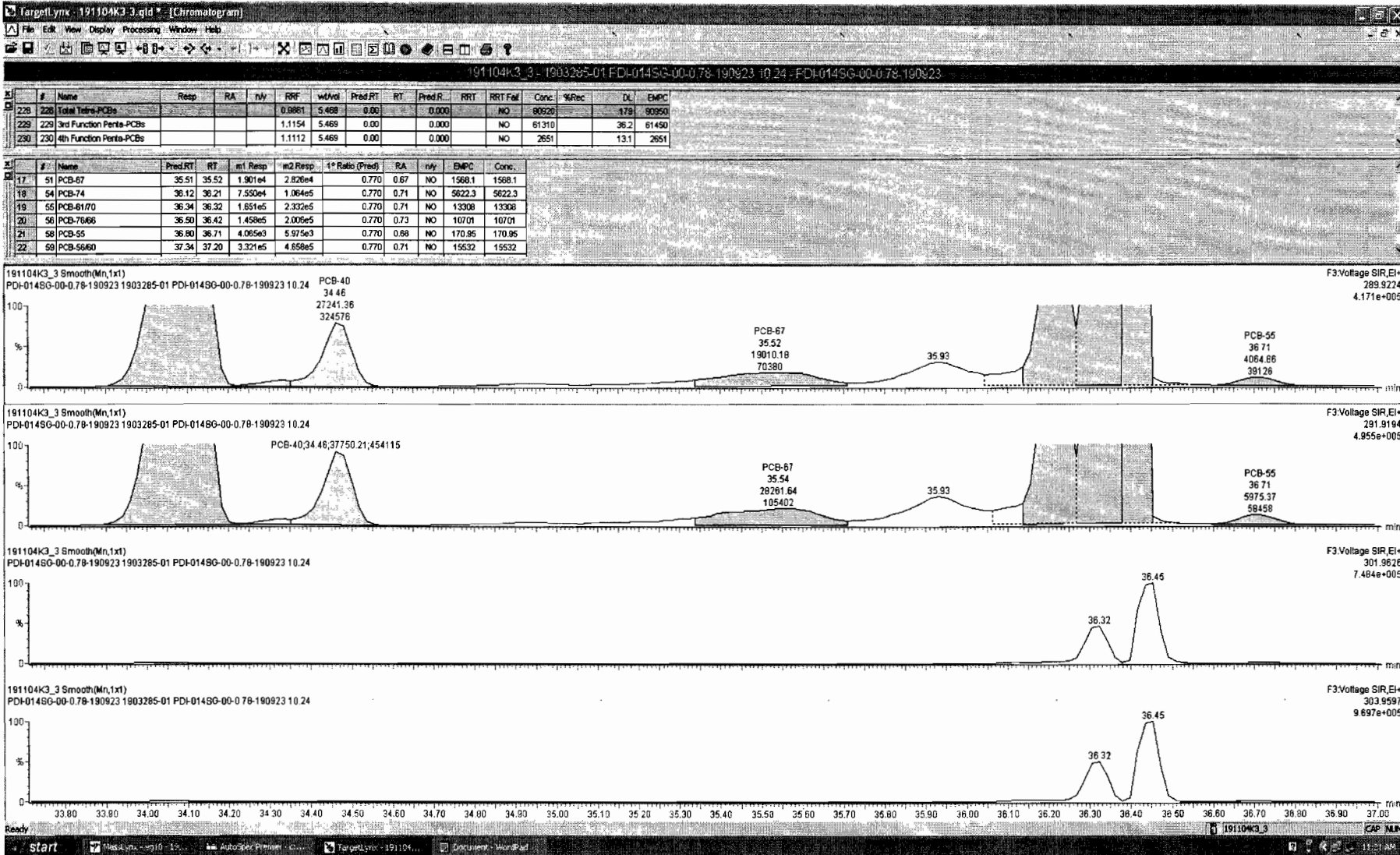
PCB-68

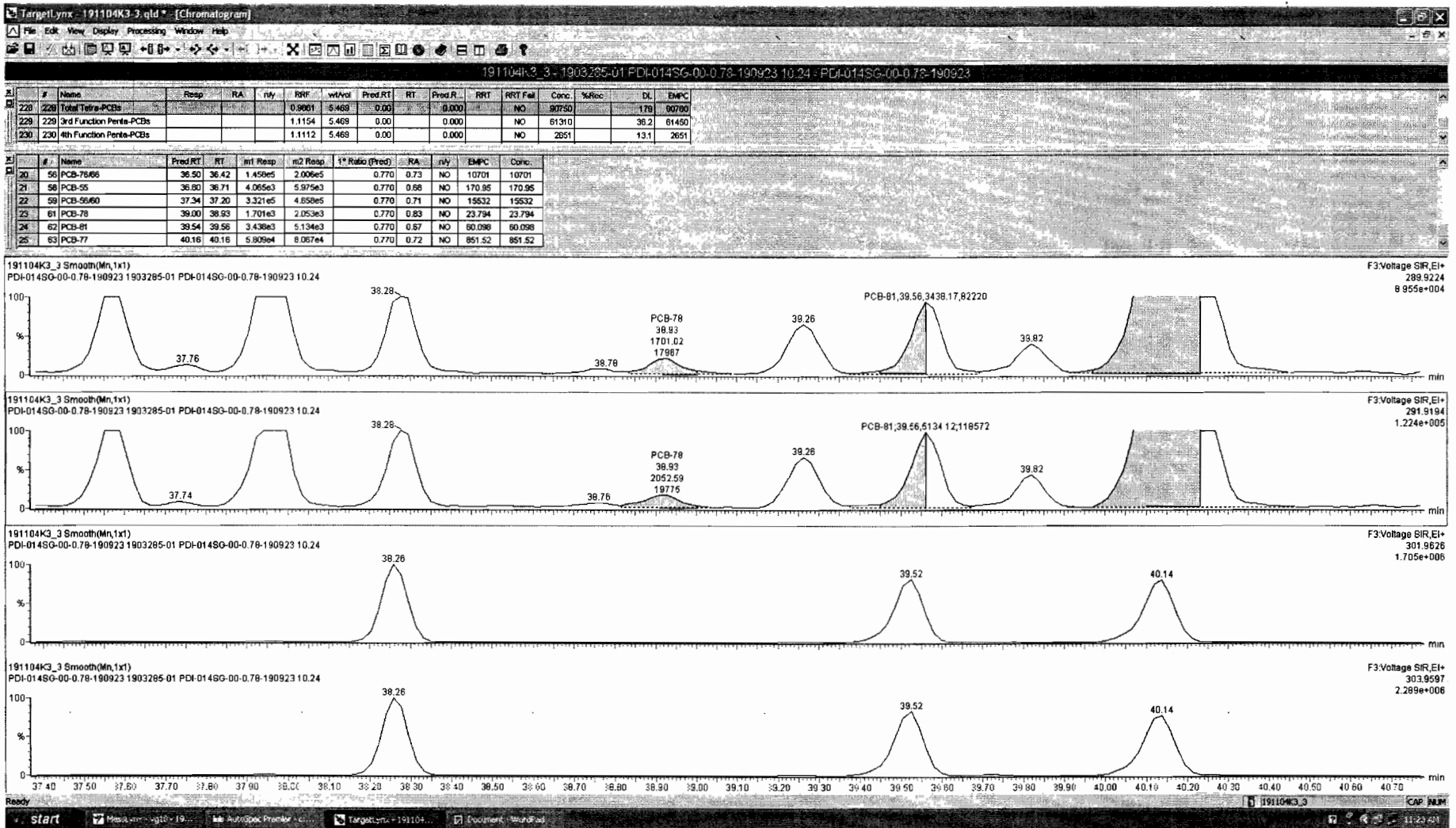


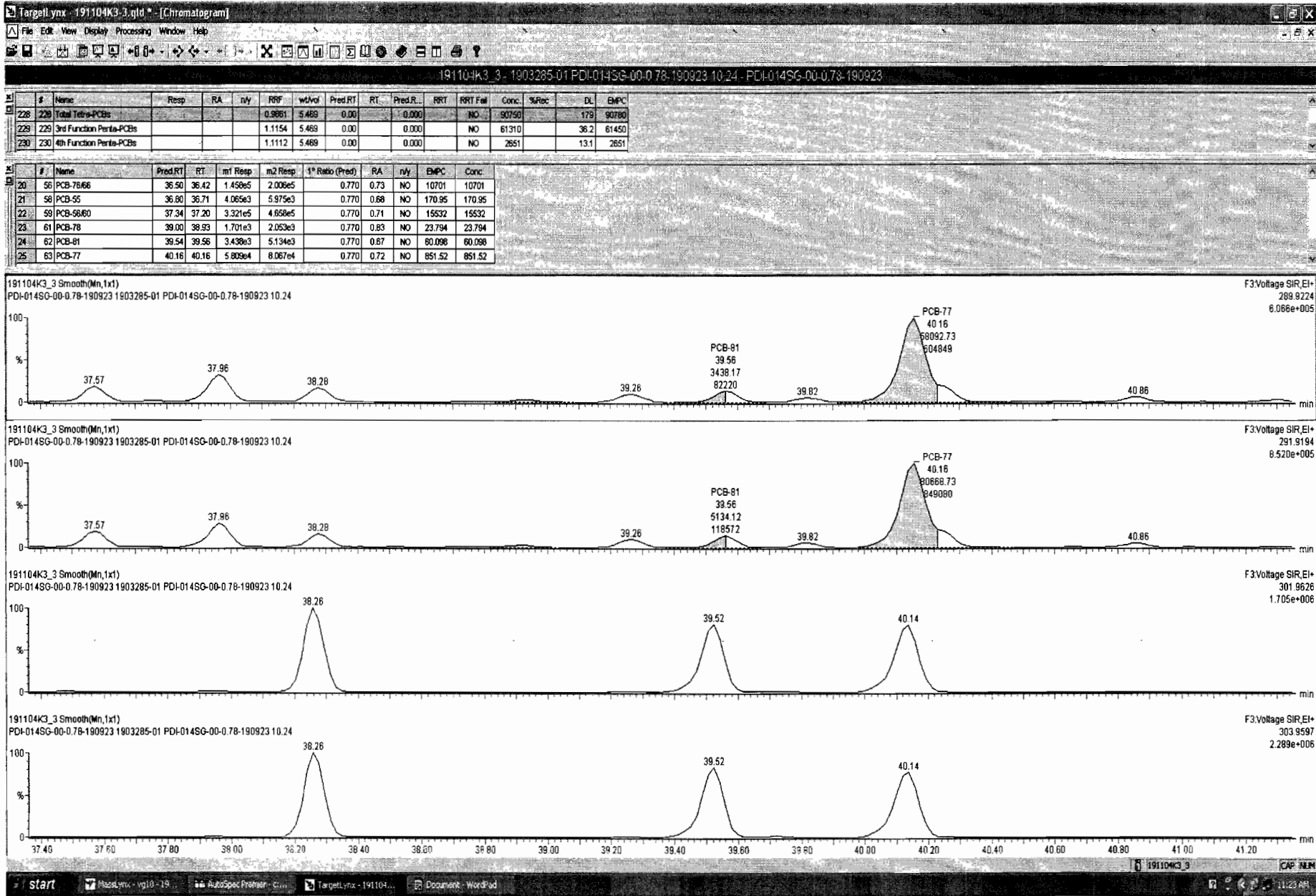
13C-PCB-60











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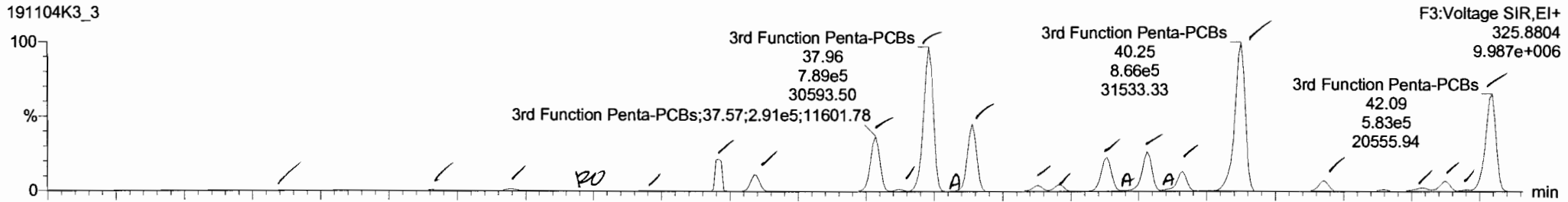
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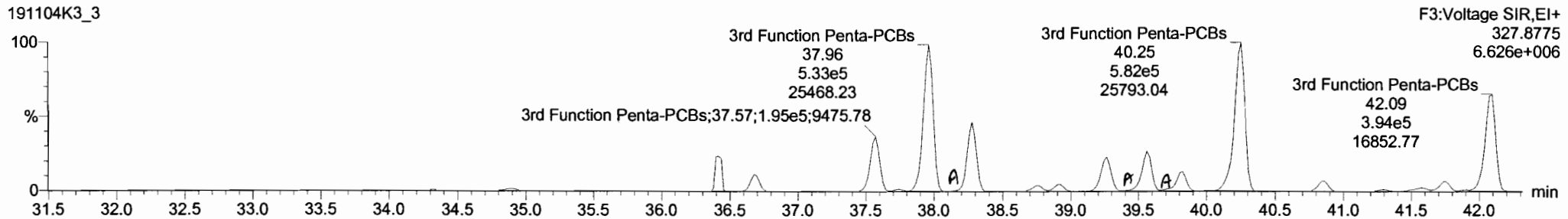
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PCB-104

191104K3_3

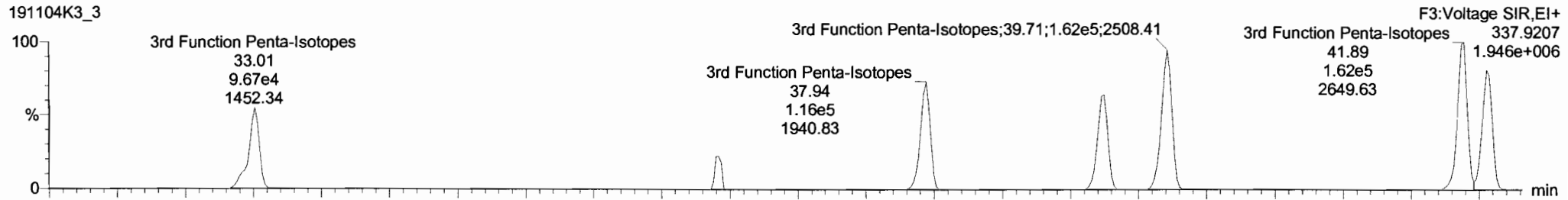


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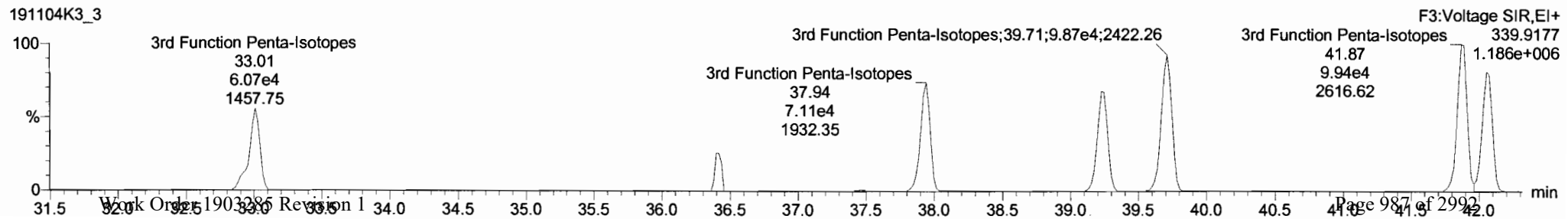


13C-PCB-104

191104K3_3



191104K3_3



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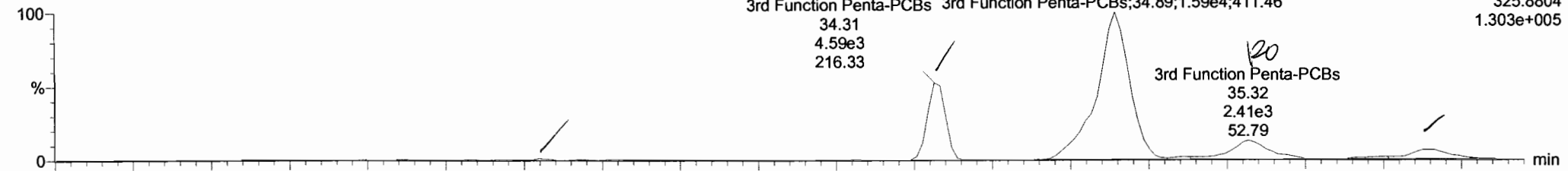
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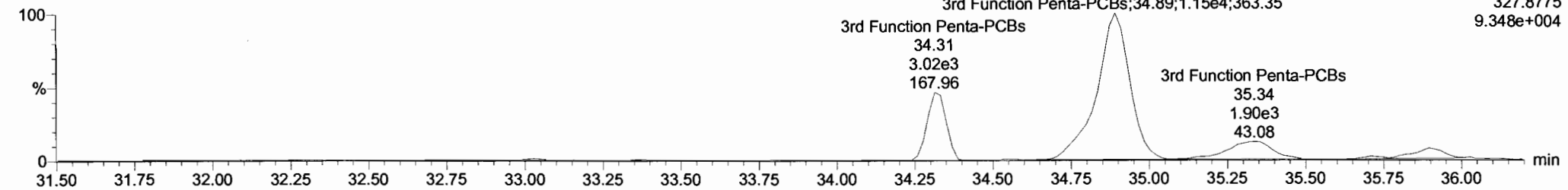
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PCB-96

191104K3_3

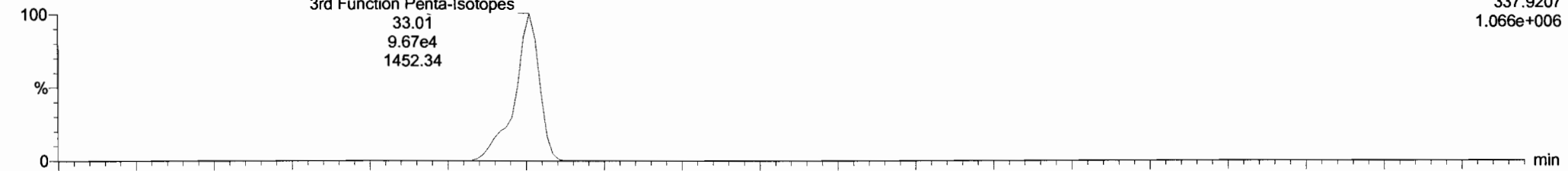


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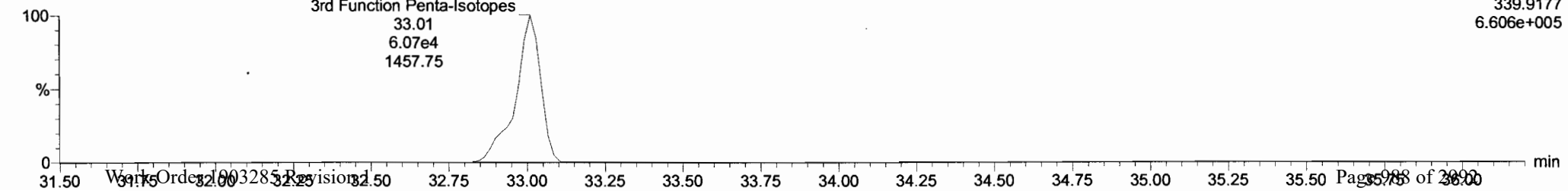


13C-PCB-95

191104K3_3



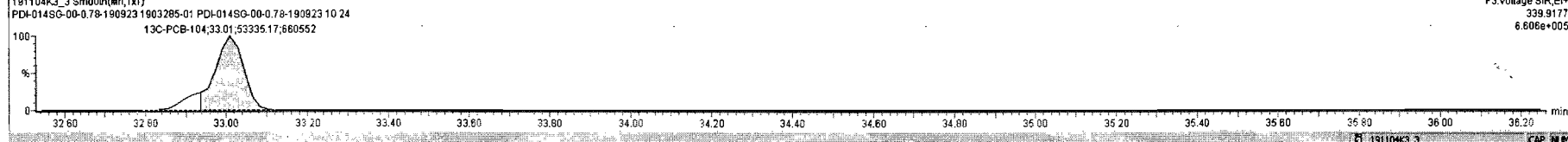
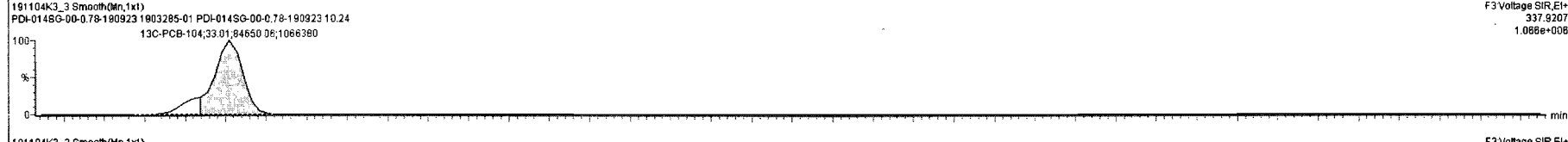
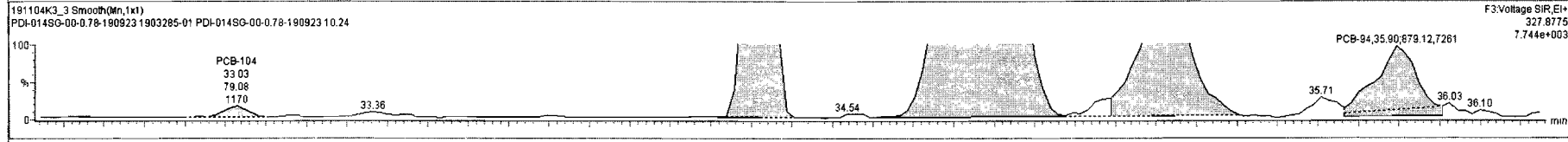
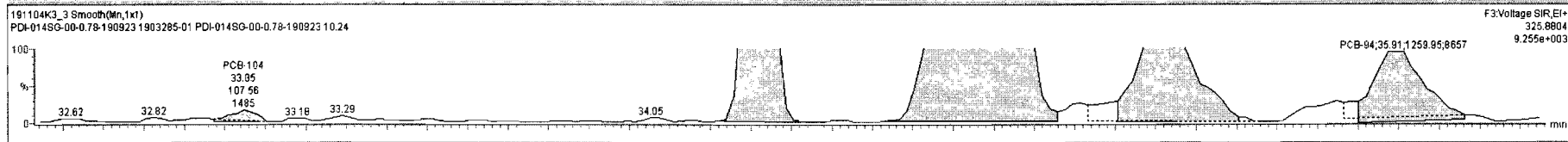
191104K3_3



191104K3_3 - 1903285-01 PDI-014SG-00-0.78-190923 10.24 - PDI-014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wtAol	Pred.RT	RT	Pred.R...	RRT	RRT Fai	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	5.469	0.00		0.000		NO	69300	36.2	69050	
230	230 4th Function Penta-PCBs				1.1112	5.469	0.00		0.000		NO	2620	13.1	2620	
231	231 3rd Function Hexa-PCBs				0.7739	5.469	0.00		0.000		NO	28360	11.3	28550	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	33.03	33.05	1.076e2	7.908e1	1.560	1.36	NO	2.4868	2.4868
2	65 PCB-96	34.37	34.31	4.587e3	3.030e3	1.560	1.51	NO	101.37	101.37
3	66 PCB-103	34.95	34.89	1.586e4	1.146e4	1.560	1.38	NO	487.46	487.46
4	67 PCB-100	35.33	35.32	2.251e3	1.797e3	1.560	1.25	YES	62.937	0.00000
5	68 PCB-94	35.87	35.91	1.260e3	8.791e2	1.560	1.43	NO	121.80	121.80
6	69 PCB-95/98/102	36.35	36.42	1.205e5	8.823e4	1.560	1.37	NO	9057.4	9057.4
7	71 PCB-96/91	36.69	36.68	8.542e4	5.777e4	1.560	1.48	NO	7089.8	7089.8
8	73 PCB-94/92	37.57	37.57	2.917e5	1.954e5	1.560	1.49	NO	5418.9	5418.9
9	74 PCB-98	37.75	37.74	1.011e4	7.174e3	1.560	1.41	NO	176.10	176.10

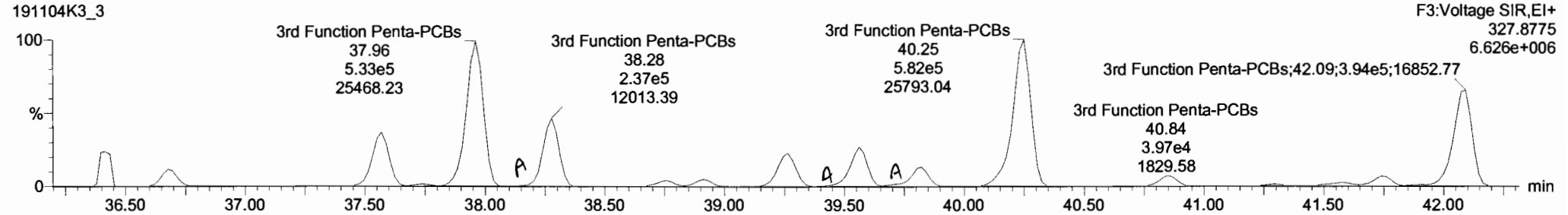
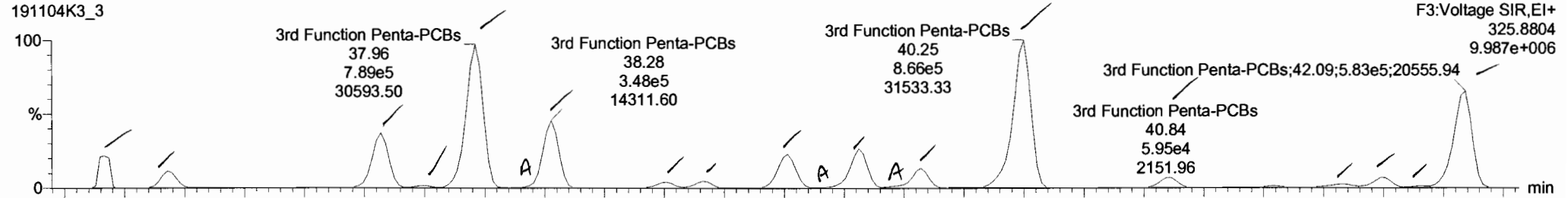


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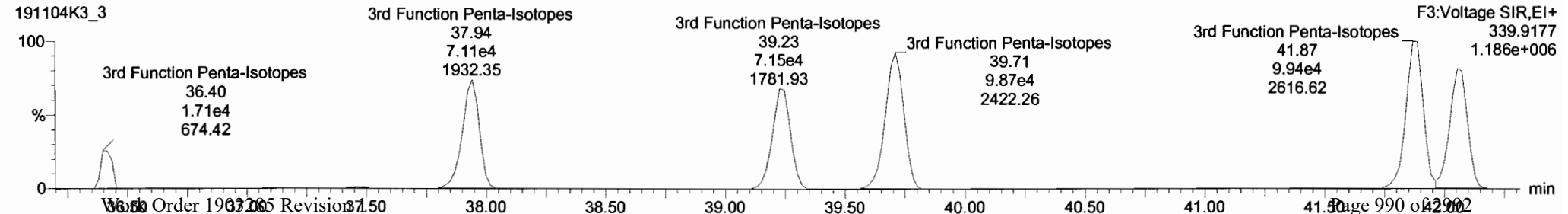
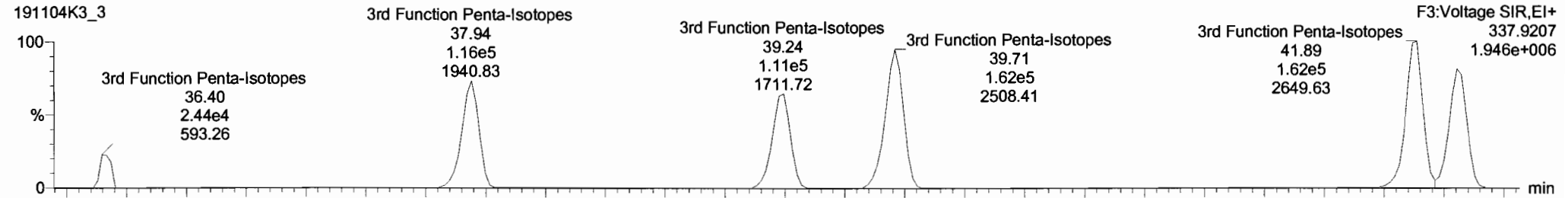
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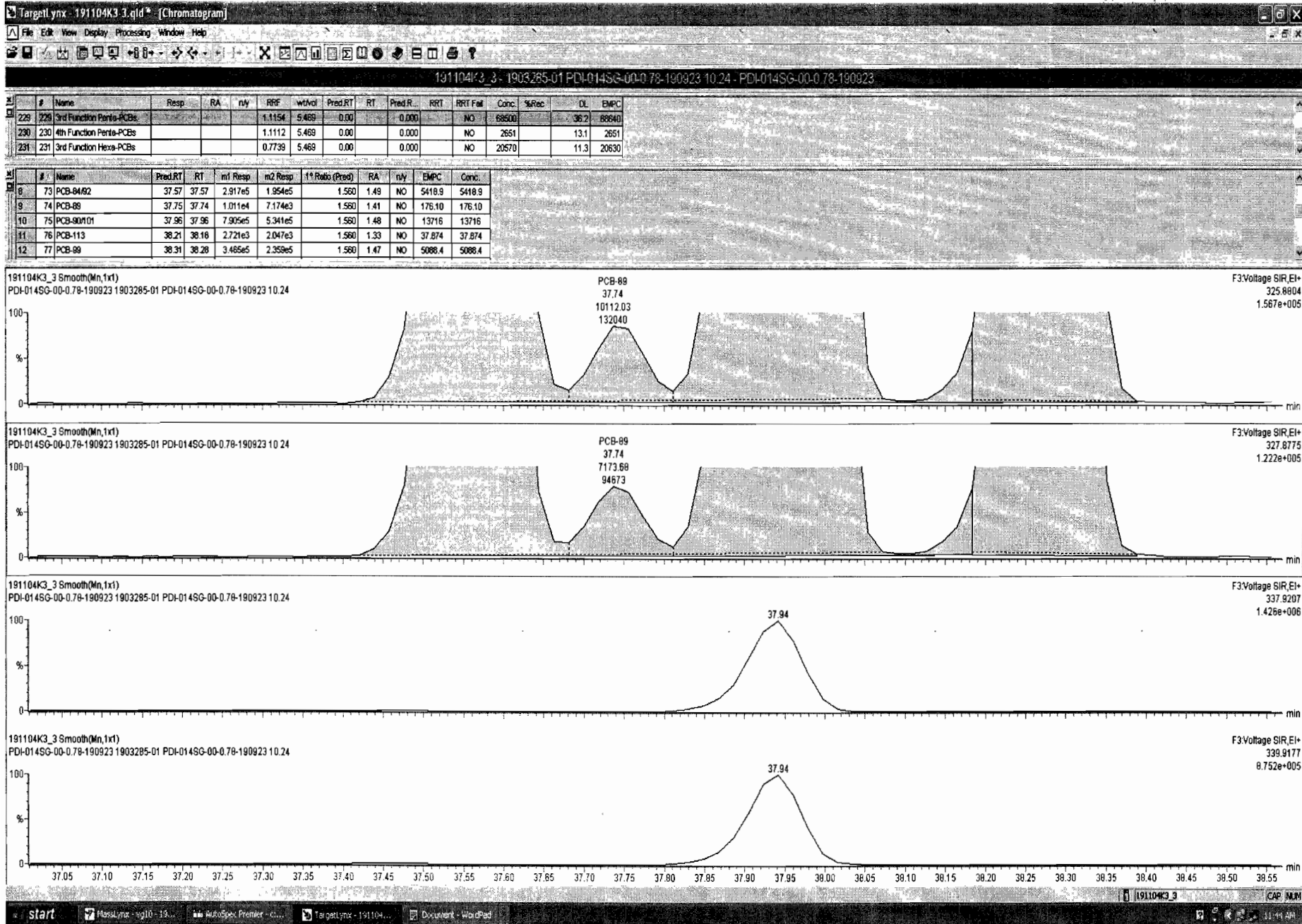
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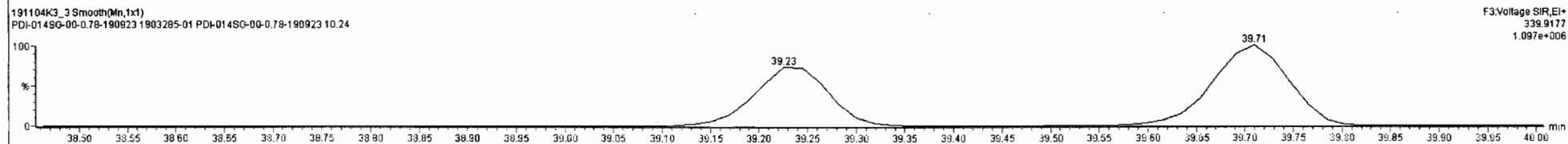
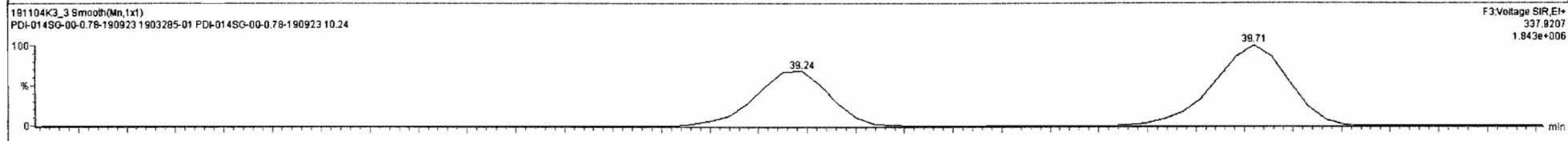
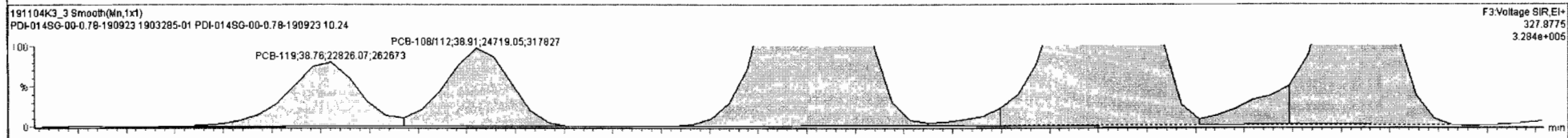
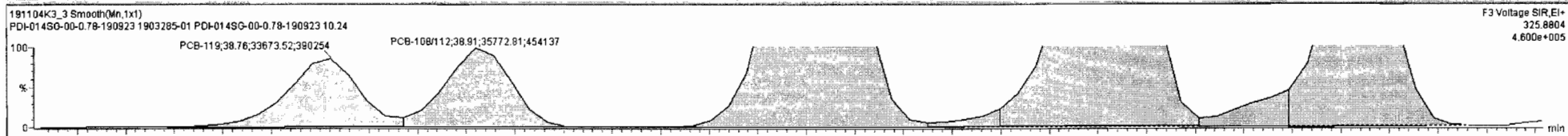
13C-PCB-111

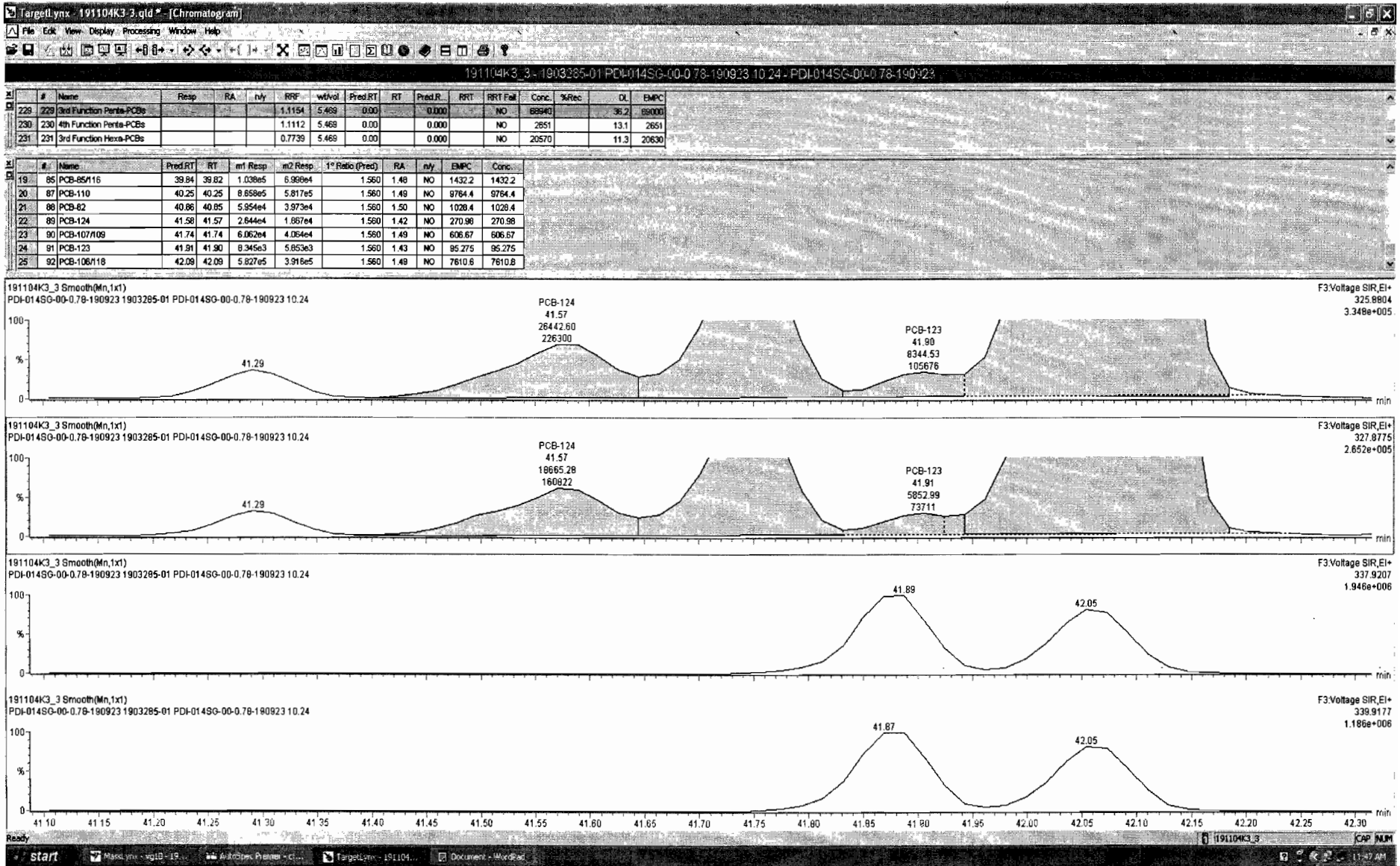




#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	5.469	0.00		0.000		NO	68890		36.2	69000
230	230 4th Function Penta-PCBs				1.1112	5.469	0.00		0.000		NO	2651		13.1	2651
231	231 3rd Function Hexa-PCBs				0.7739	5.469	0.00		0.000		NO	20570		11.3	20630

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
13	78 PCB-119	38.73	38.76	3.367e4	2.283e4	1.560	1.48	NO	384.89	384.88
14	79 PCB-108/112	38.89	38.91	3.577e4	2.472e4	1.580	1.45	NO	485.27	485.27
15	81 PCB-97	38.28	39.26	1.997e5	1.327e5	1.580	1.51	NO	3098.2	3098.2
16	82 PCB-96	39.43	39.45	3.407e3	2.297e3	1.560	1.48	NO	57.427	57.427
17	83 PCB-87/117/25	39.54	39.56	2.192e5	1.483e5	1.580	1.48	NO	2764.1	2764.1
18	84 PCB-111/115	39.71	39.75	1.078e4	7.673e3	1.580	1.40	NO	115.90	115.50
19	85 PCB-85/116	39.84	39.82	1.038e5	6.998e4	1.560	1.48	NO	1432.2	1432.2





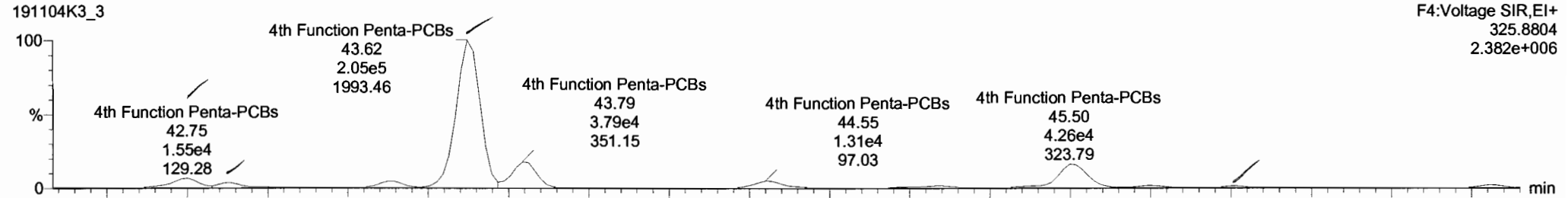
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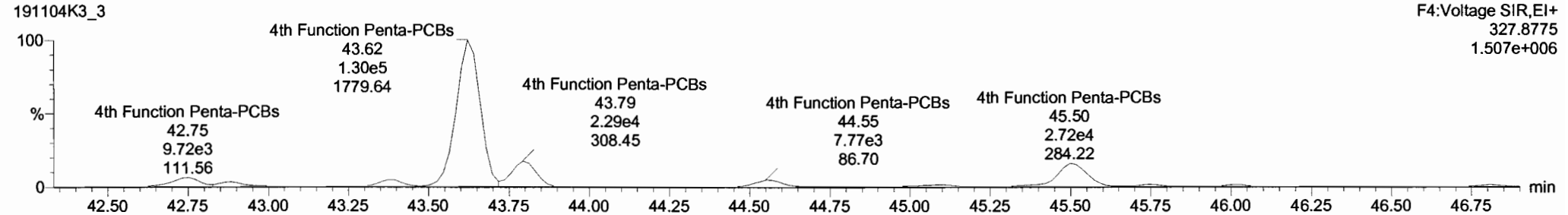
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191104K3_3

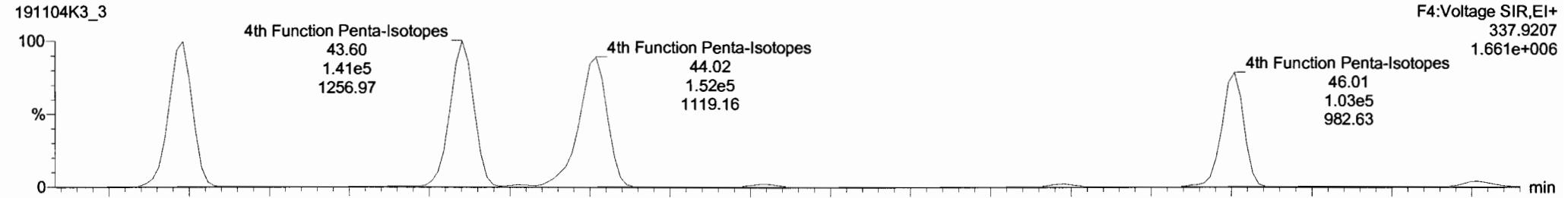


191104K3_3

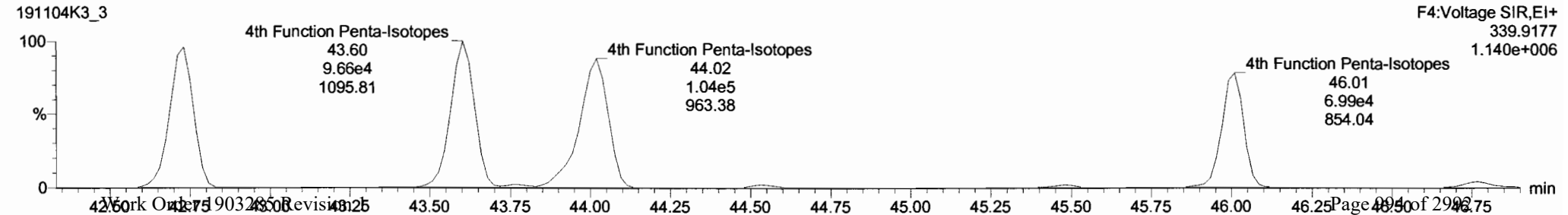


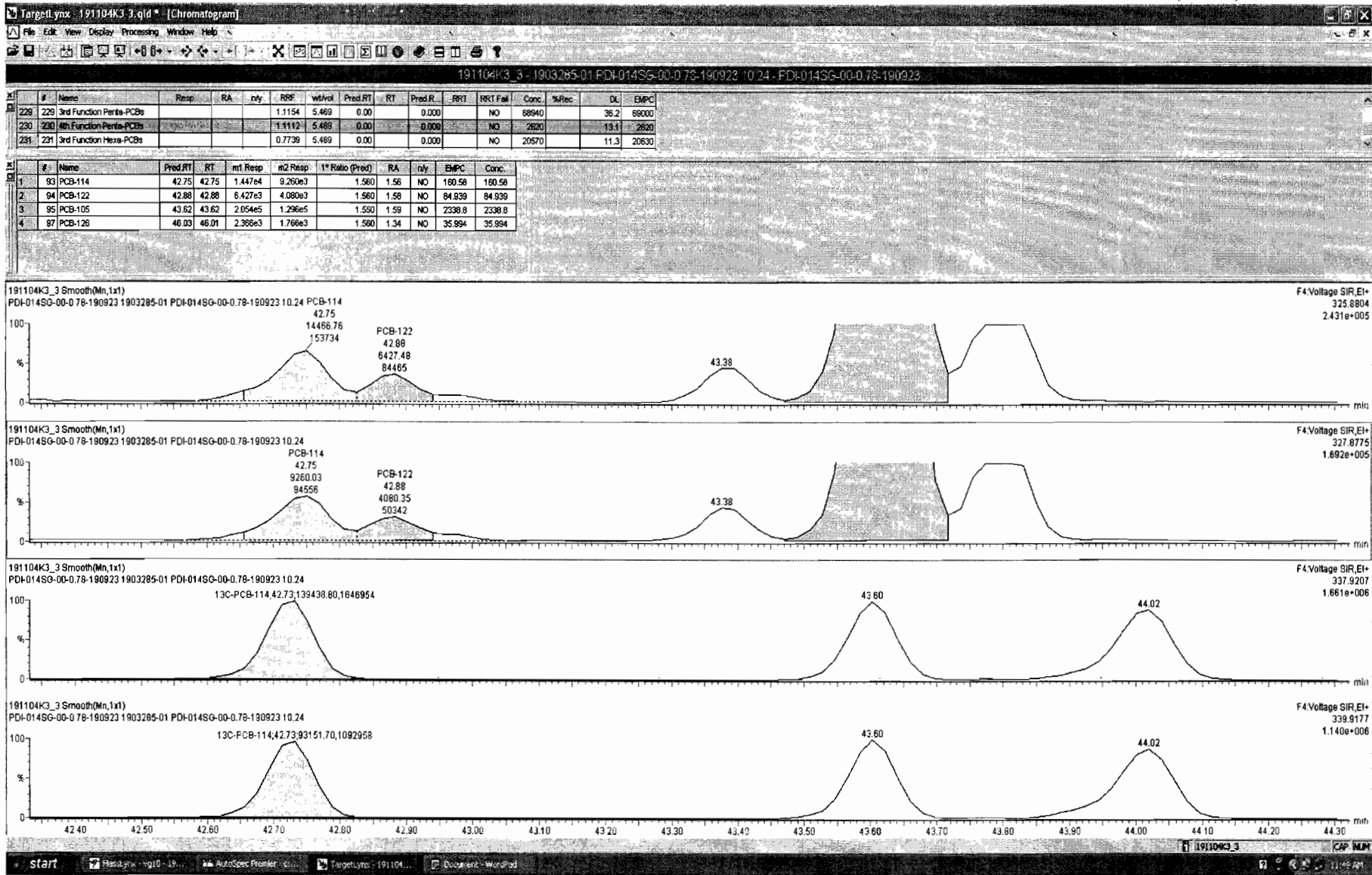
13C-PCB-114

191104K3_3



191104K3_3





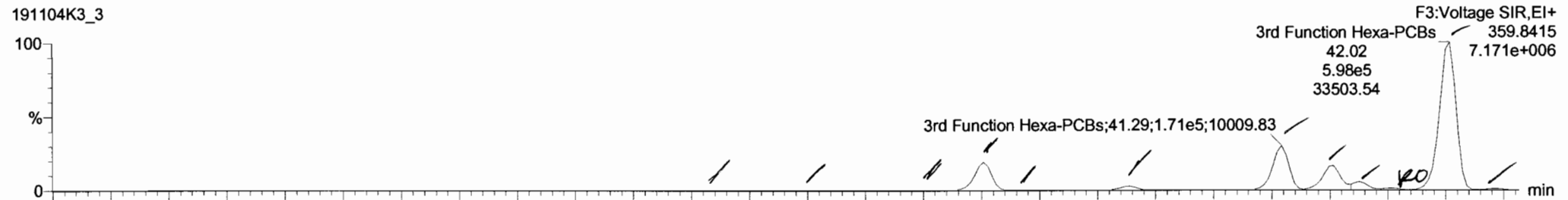
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Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

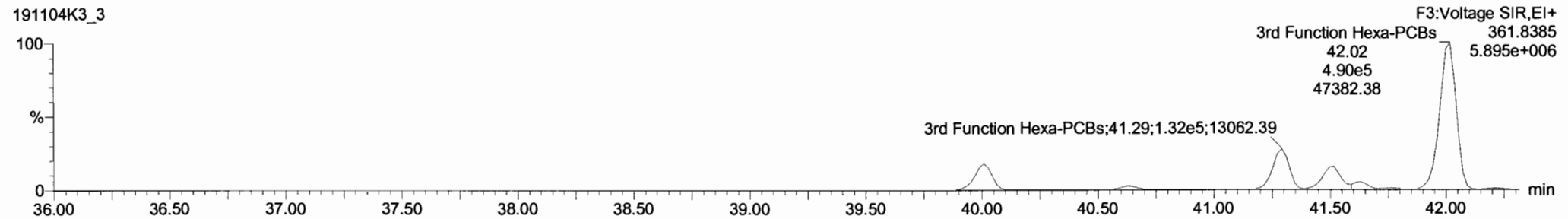
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PCB-155

191104K3_3

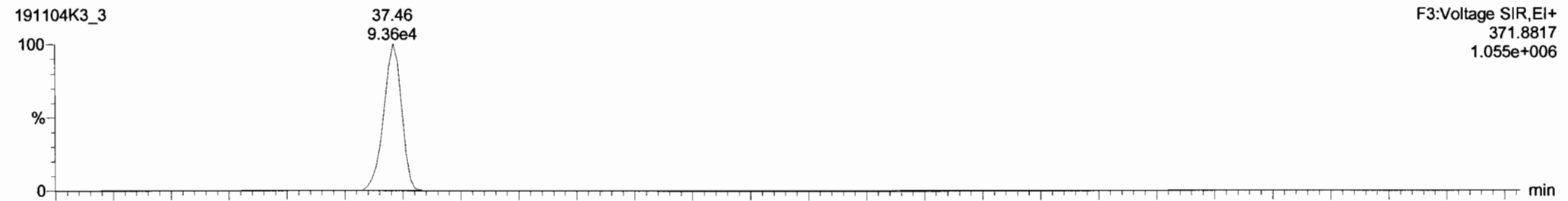


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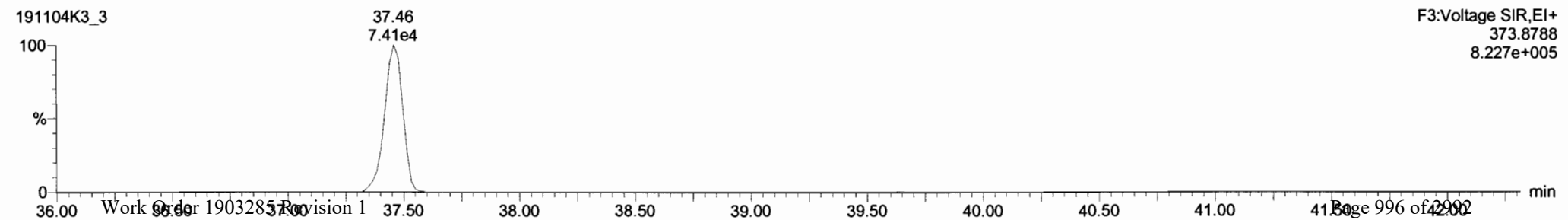


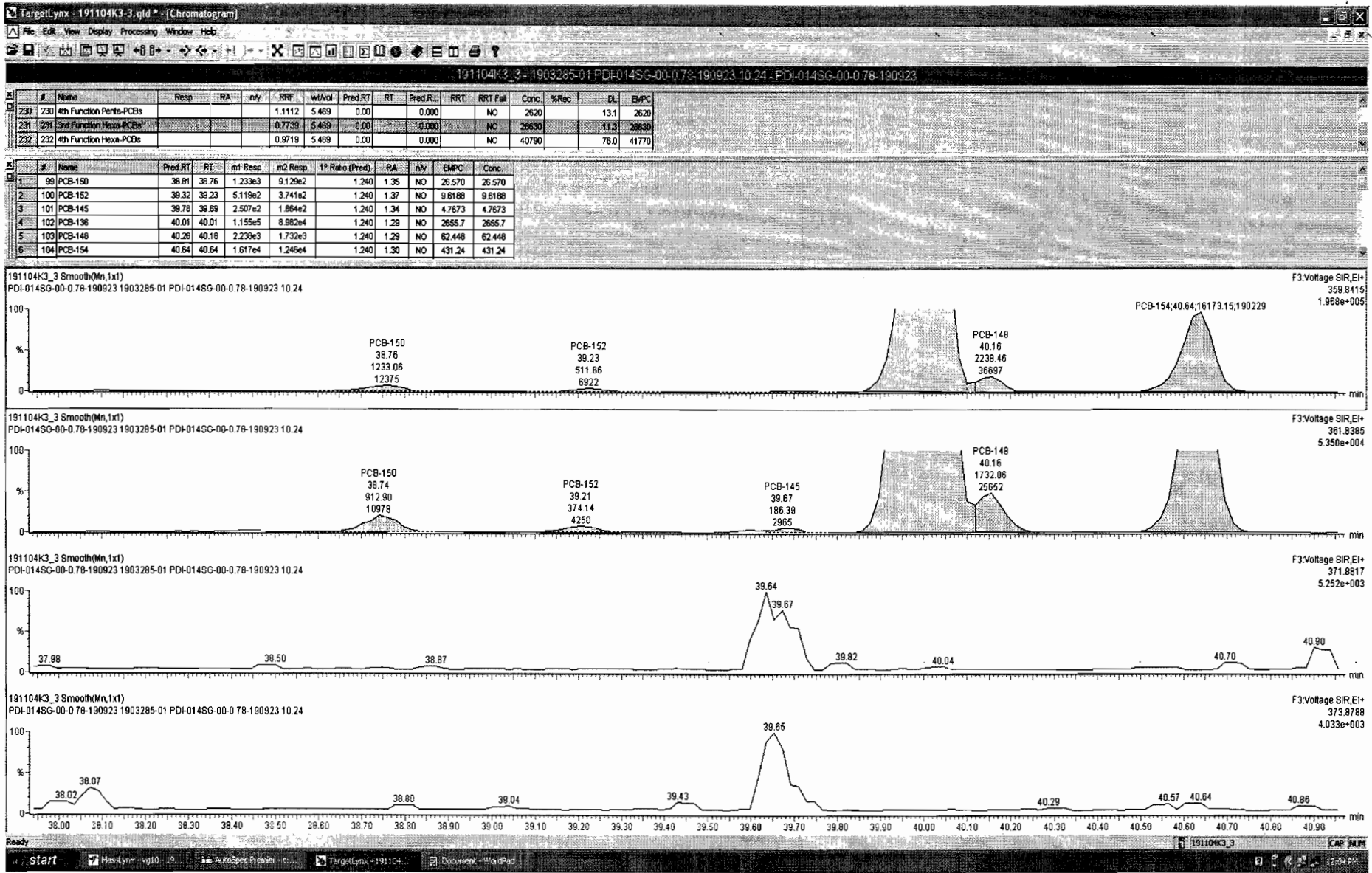
13C-PCB-155

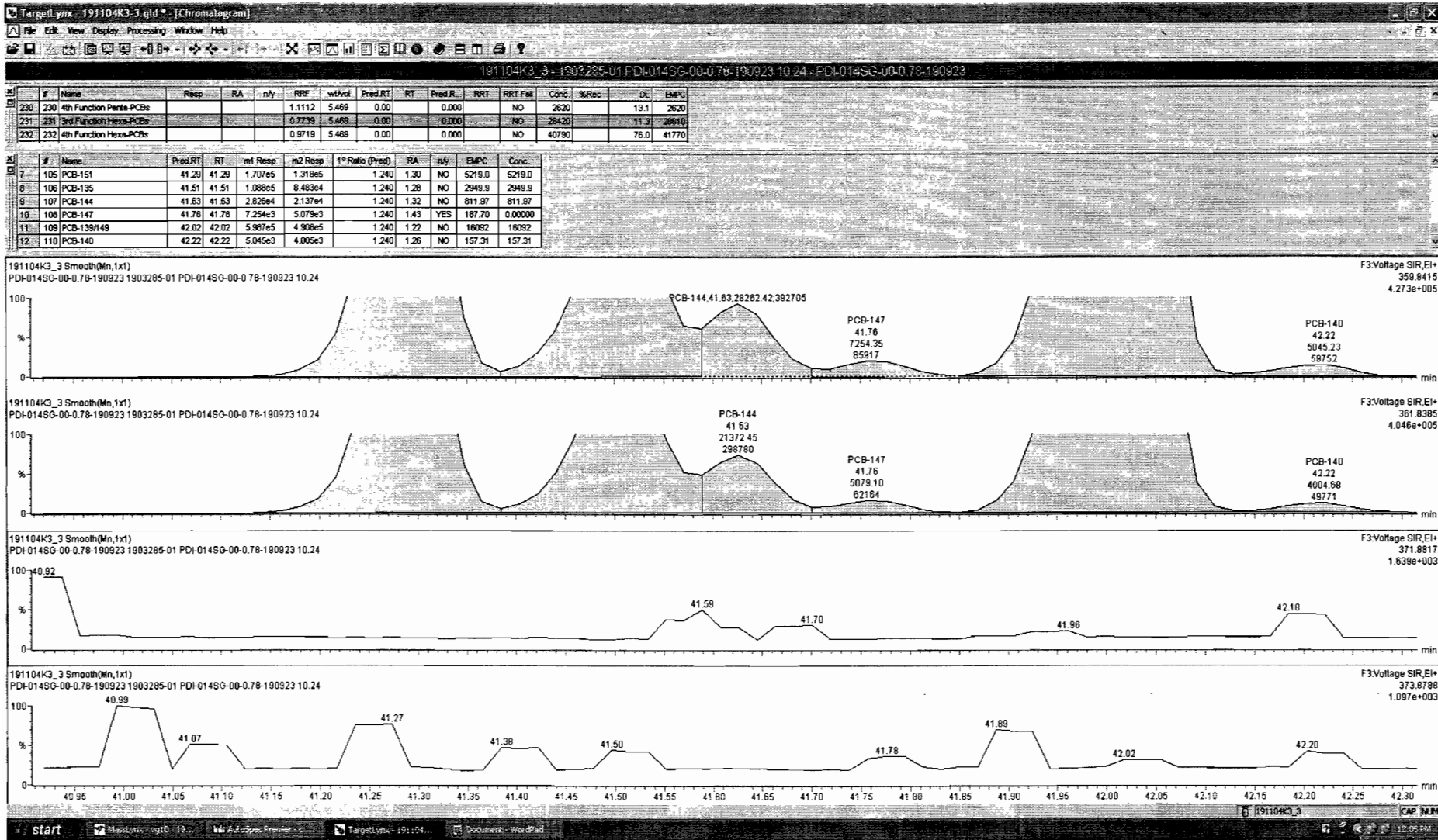
191104K3_3



191104K3_3





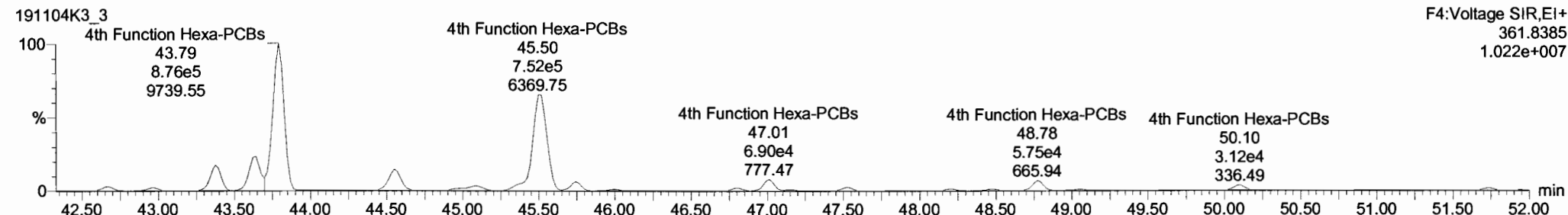
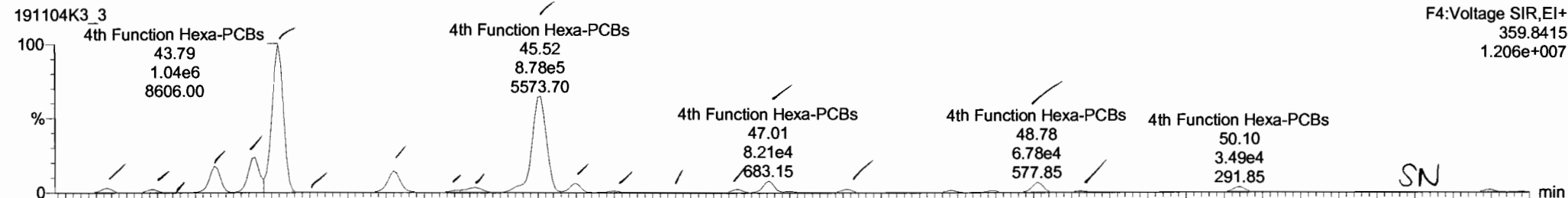


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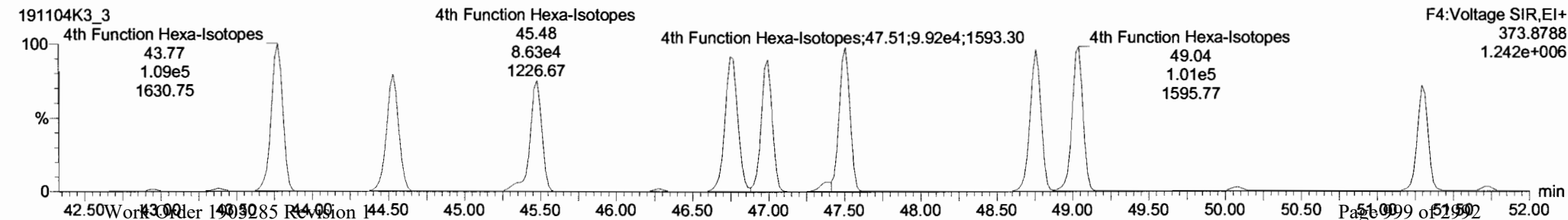
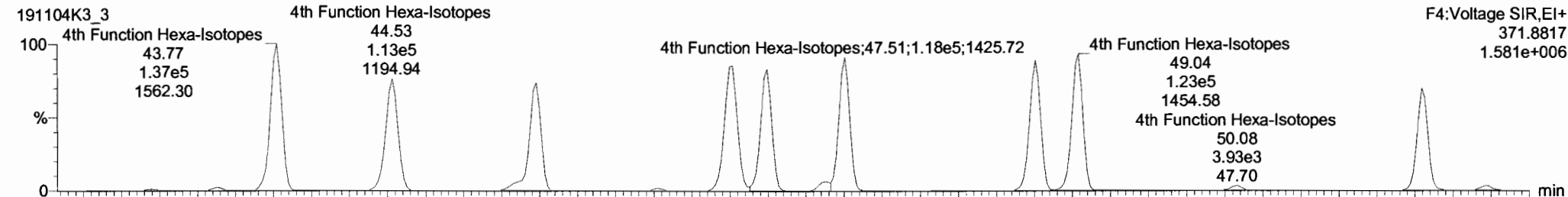
Last Altered: Tuesday, November 05, 2019 07:38:34 Pacific Standard Time
Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

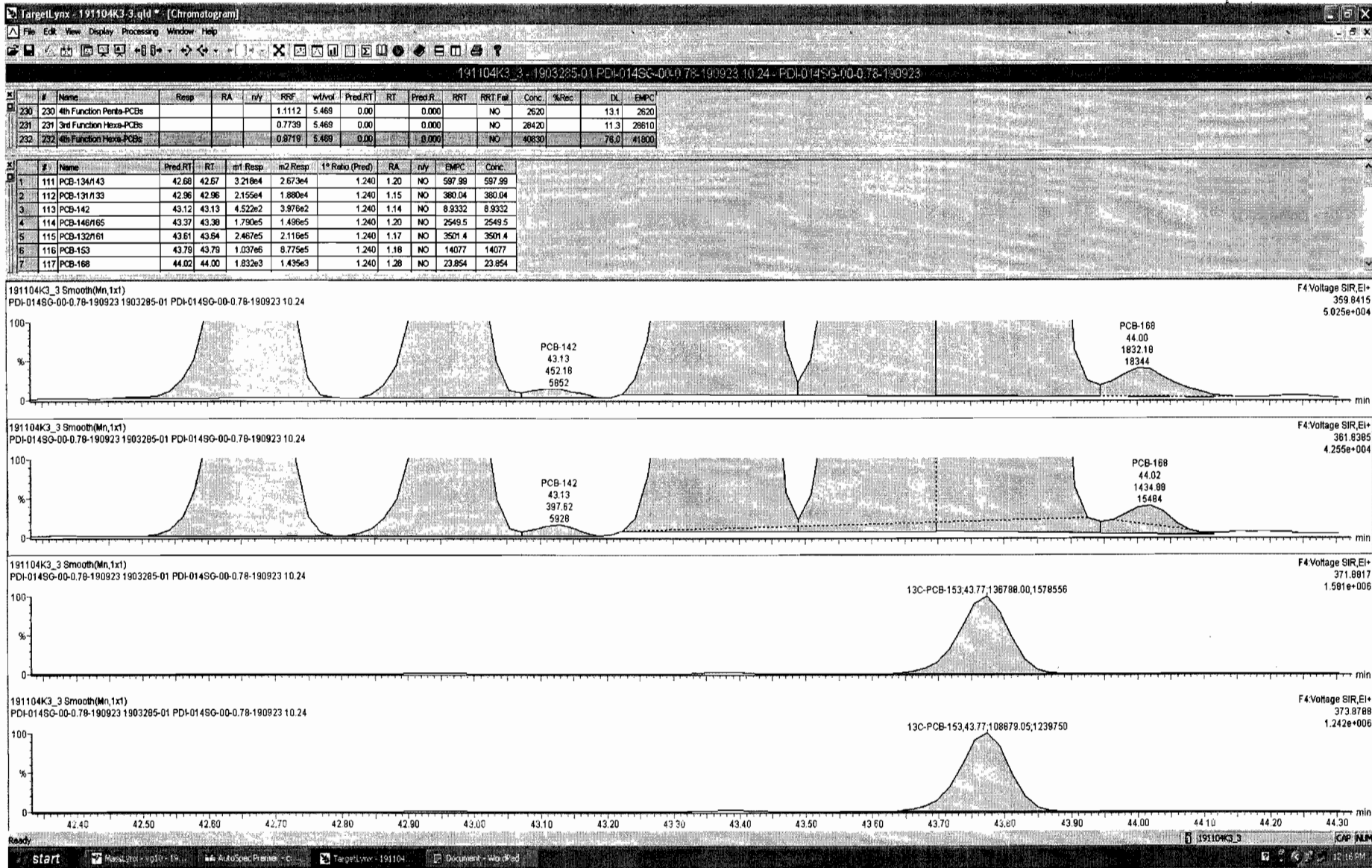
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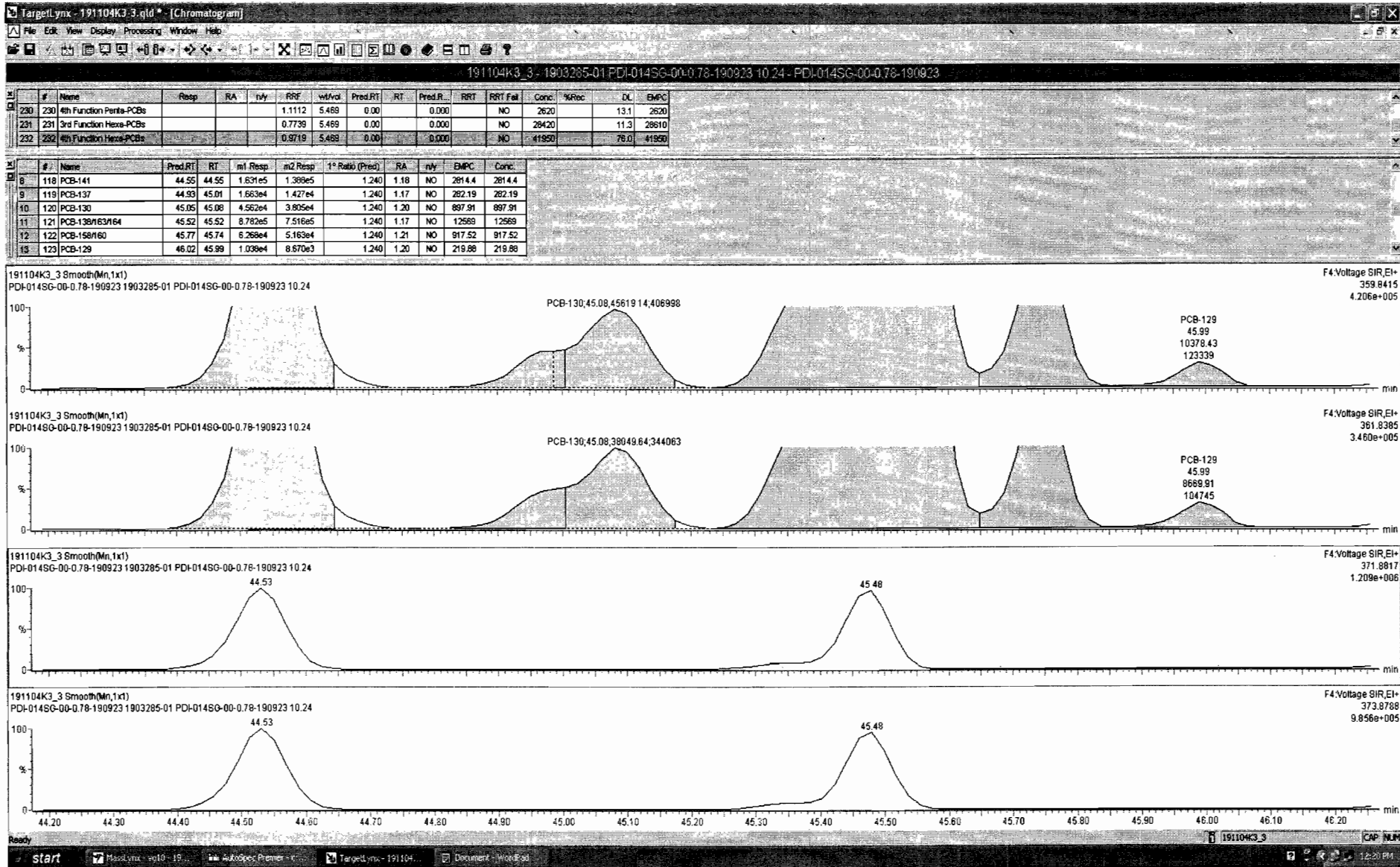
PCB-134/143

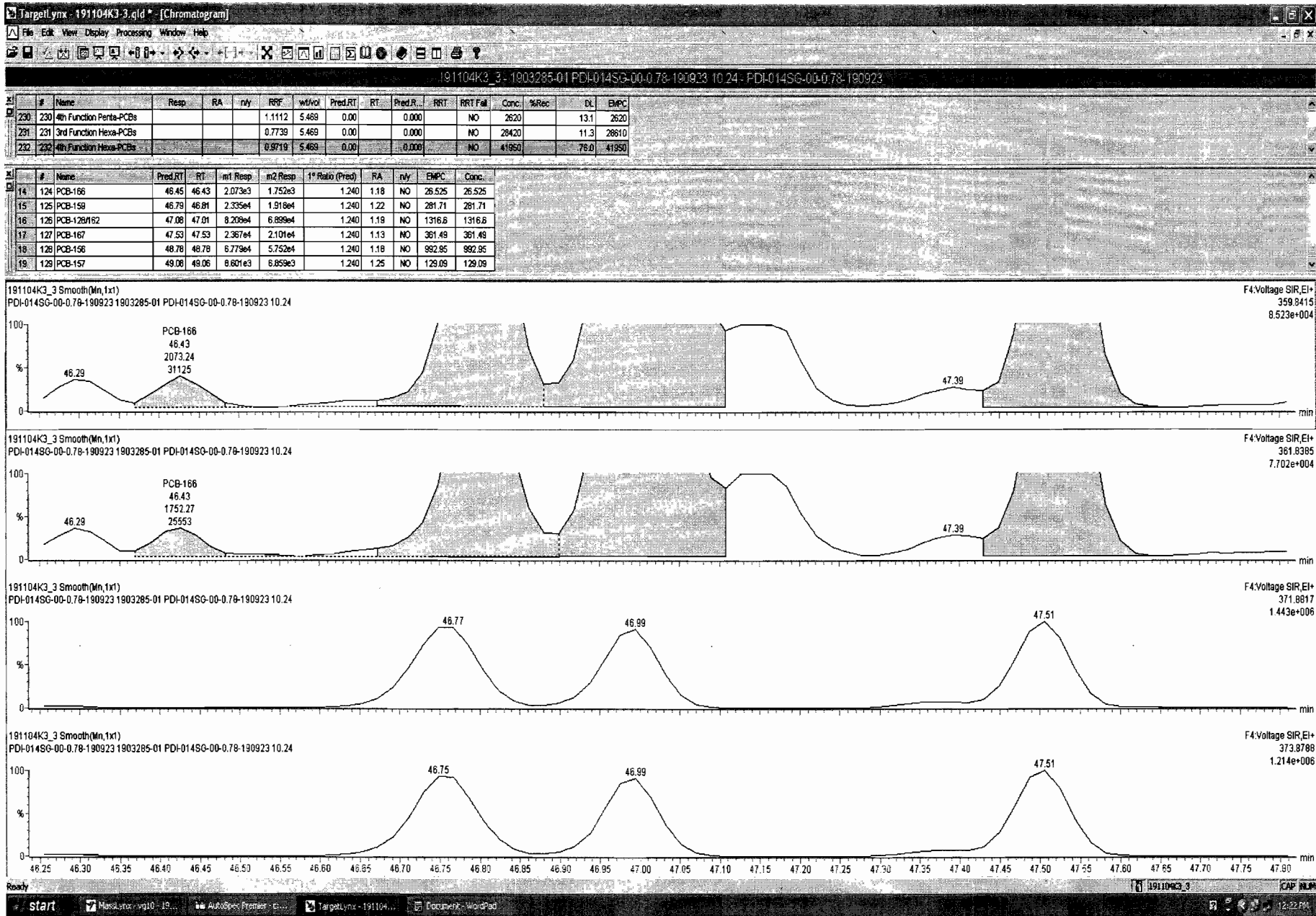


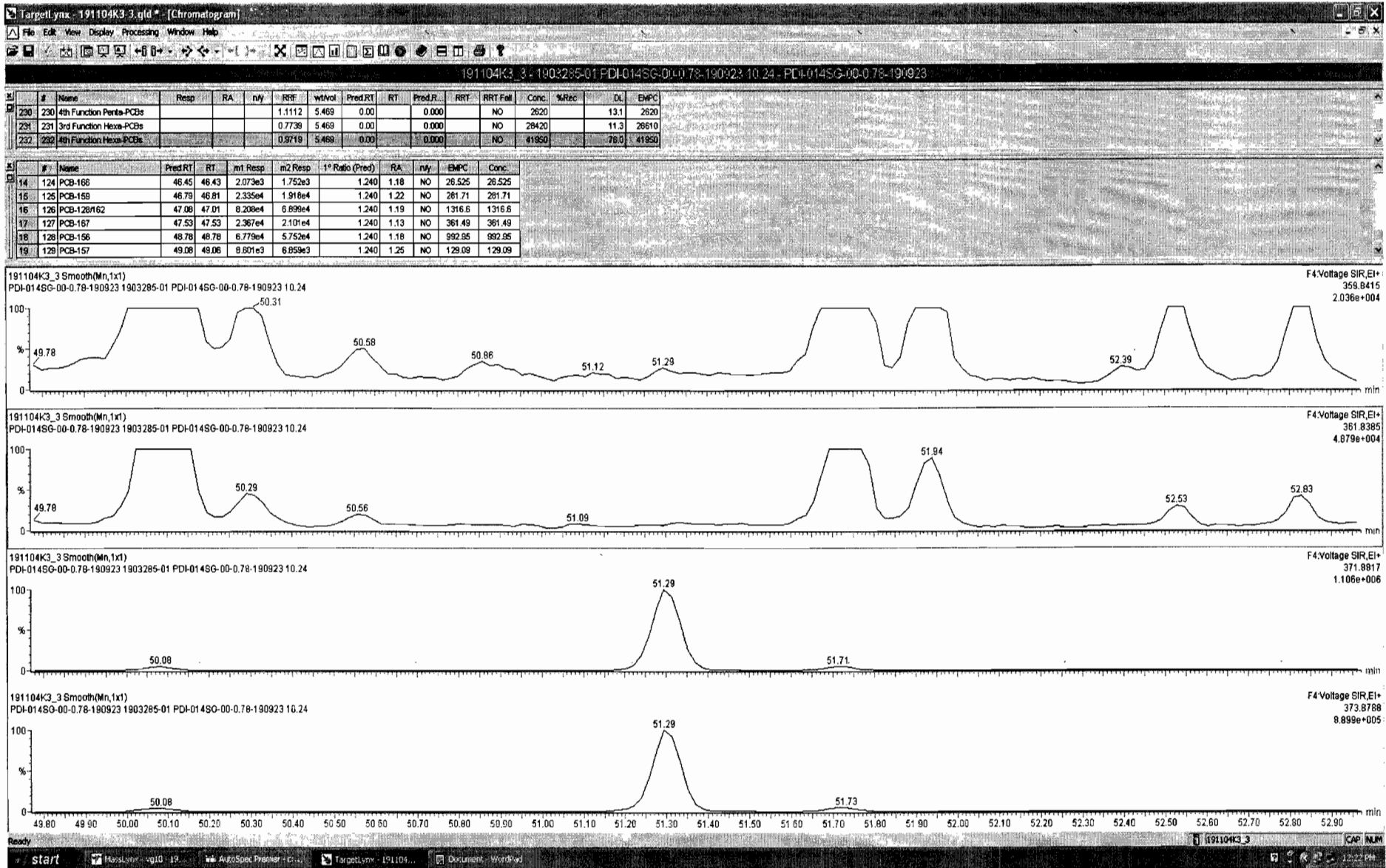
13C-PCB-153











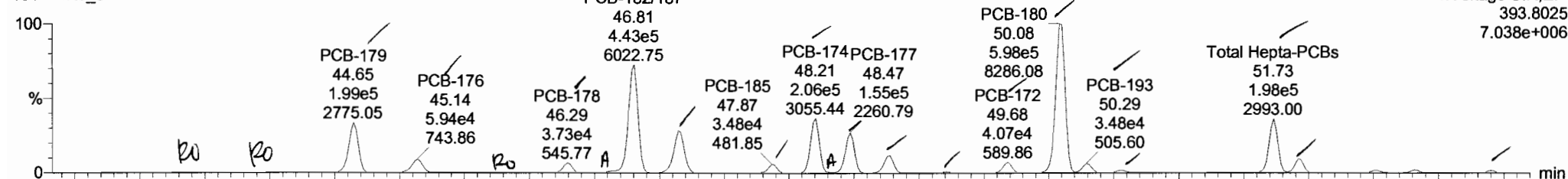
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Last Altered: Tuesday, November 05, 2019 07:38:34 Pacific Standard Time
Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

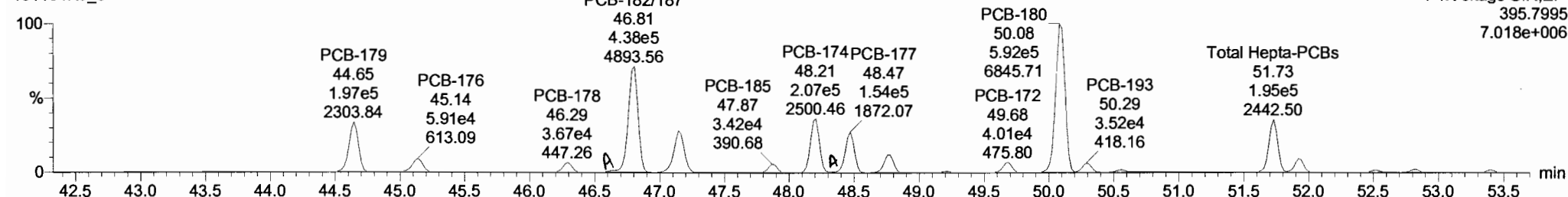
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PCB-188

191104K3_3

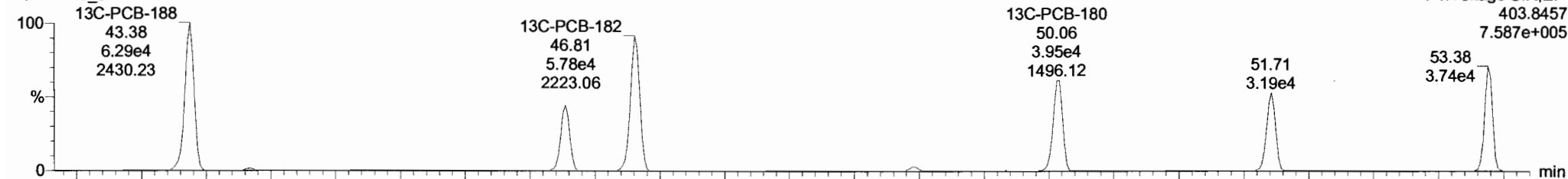


191104K3_3

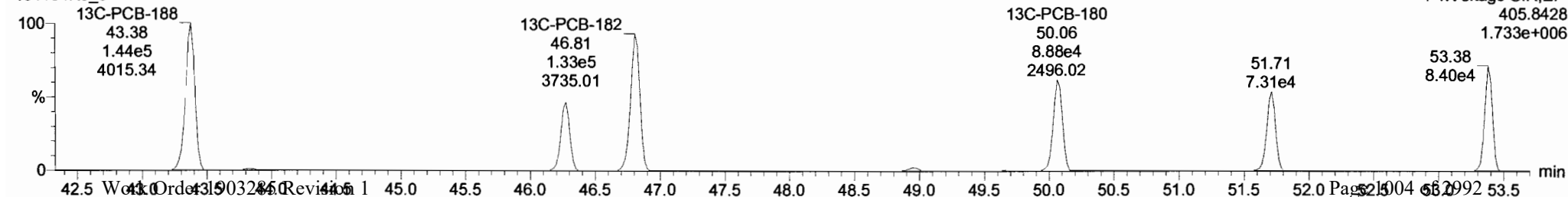


13C-PCB-188

191104K3_3



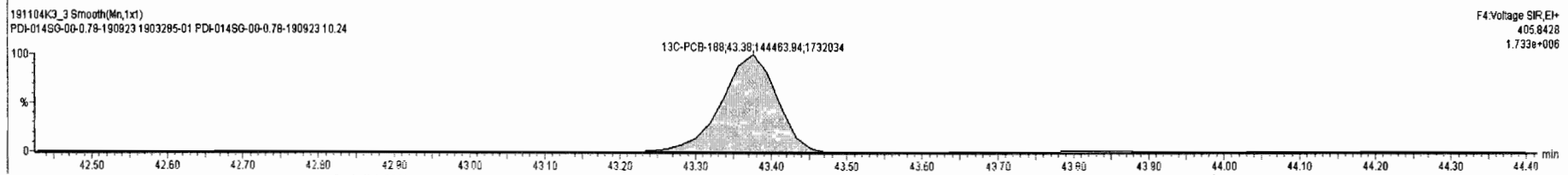
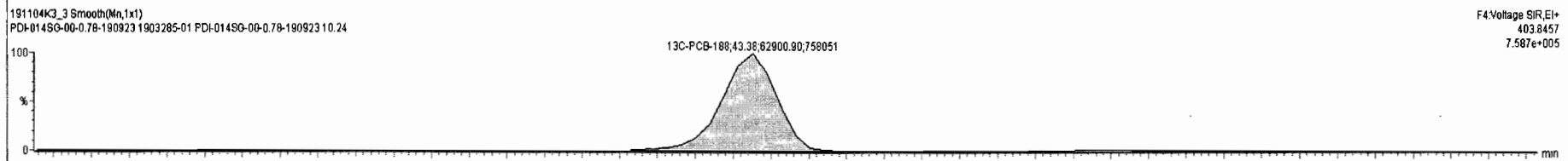
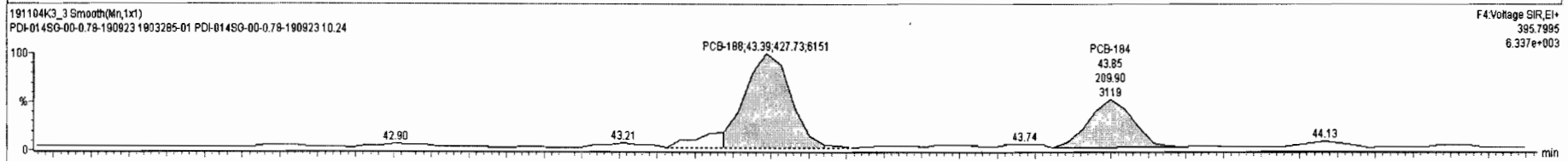
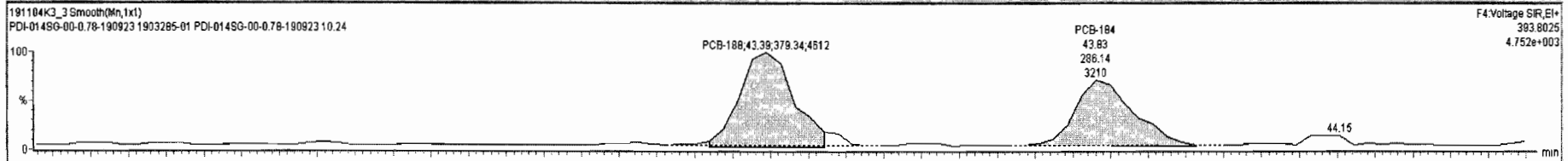
191104K3_3

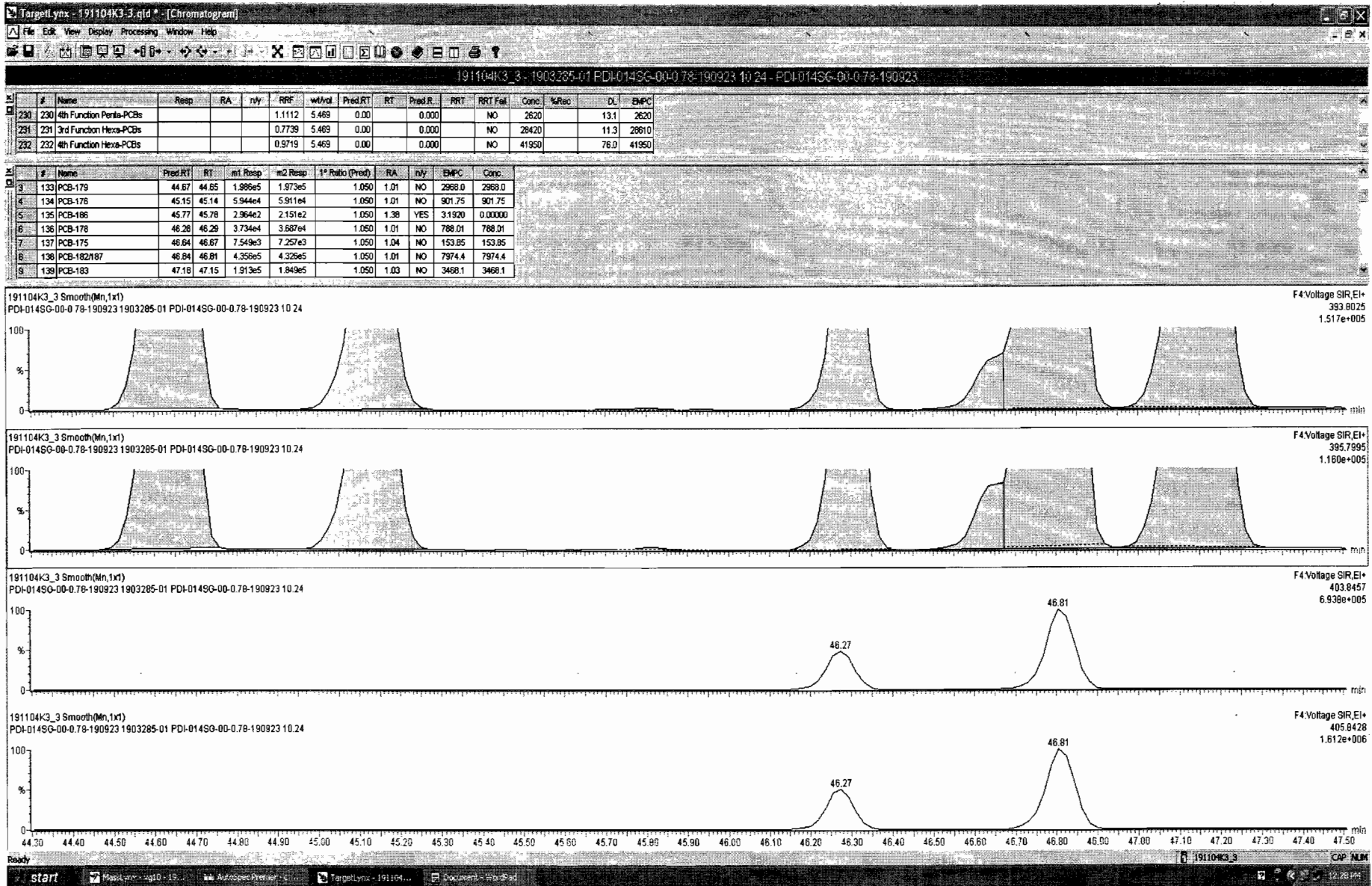


191104K3-3-1903285-01 PDI-014SG-00-0.78-190923 10.24 - PDI-014SG-00-0.78-190923

#	Name	Resp	RA	rv	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.1112	5.469	0.00	0.000	NO	2620		13.1	2620		
231	231 3rd Function Hexa-PCBs				0.7739	5.469	0.00	0.000	NO	28420		11.3	28610		
232	232 4th Function Hexa-PCBs				0.9719	5.469	0.00	0.000	NO	41950		76.0	41950		

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	rv	EMPC	Conc.
1	131 PCB-188	43.42	43.39	3.793e2	4.277e2	1.050	0.89	YES	5.4736	0.00000
2	132 PCB-184	43.86	43.83	2.861e2	2.099e2	1.050	1.36	YES	3.2521	0.00000
3	133 PCB-179	44.67	44.65	1.986e5	1.973e5	1.050	1.01	NO	2968.0	2968.0
4	134 PCB-176	45.15	45.14	5.944e4	5.911e4	1.050	1.01	NO	901.75	901.75
5	135 PCB-186	45.77	45.78	3.015e2	2.460e2	1.050	1.23	YES	3.6504	0.00000
6	136 PCB-178	46.28	46.29	3.734e4	3.671e4	1.050	1.02	NO	786.28	786.28

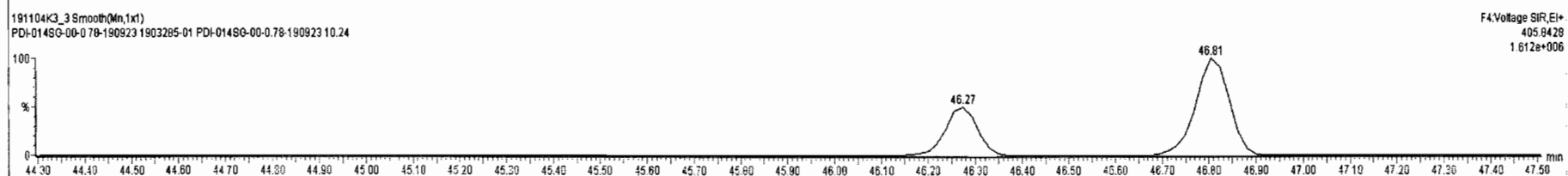
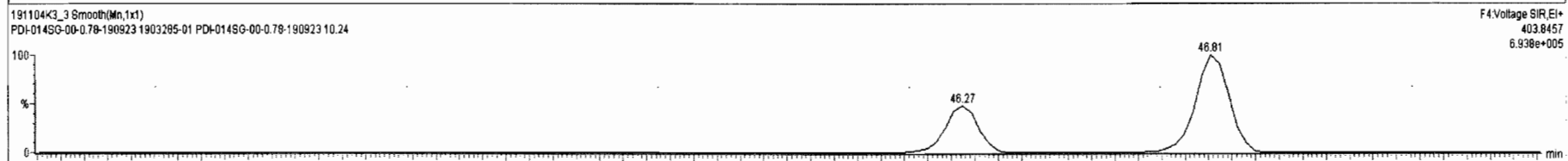
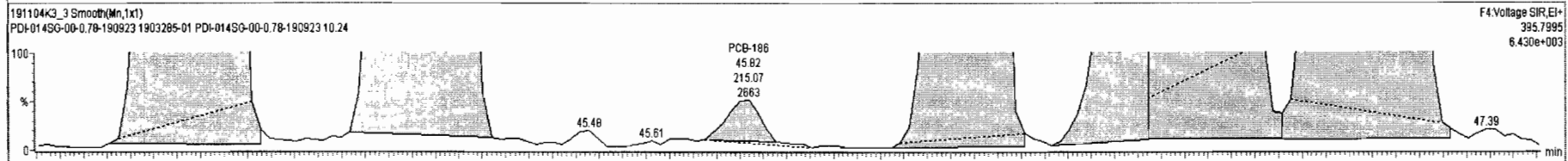
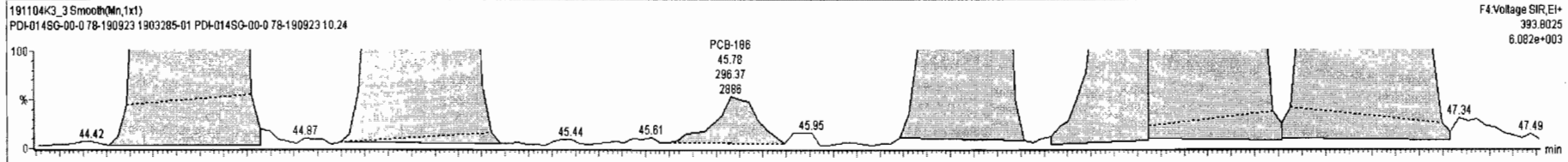


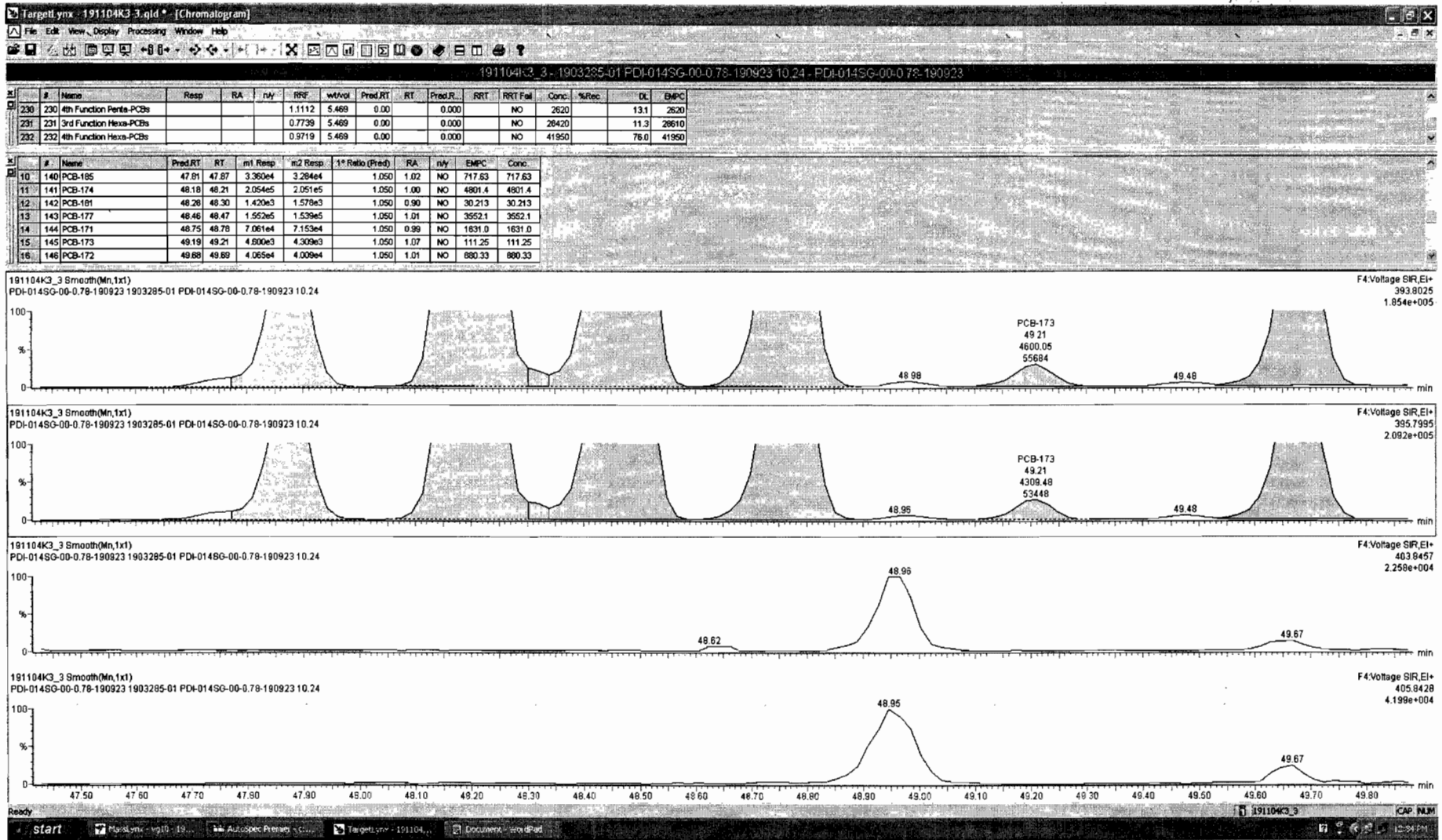


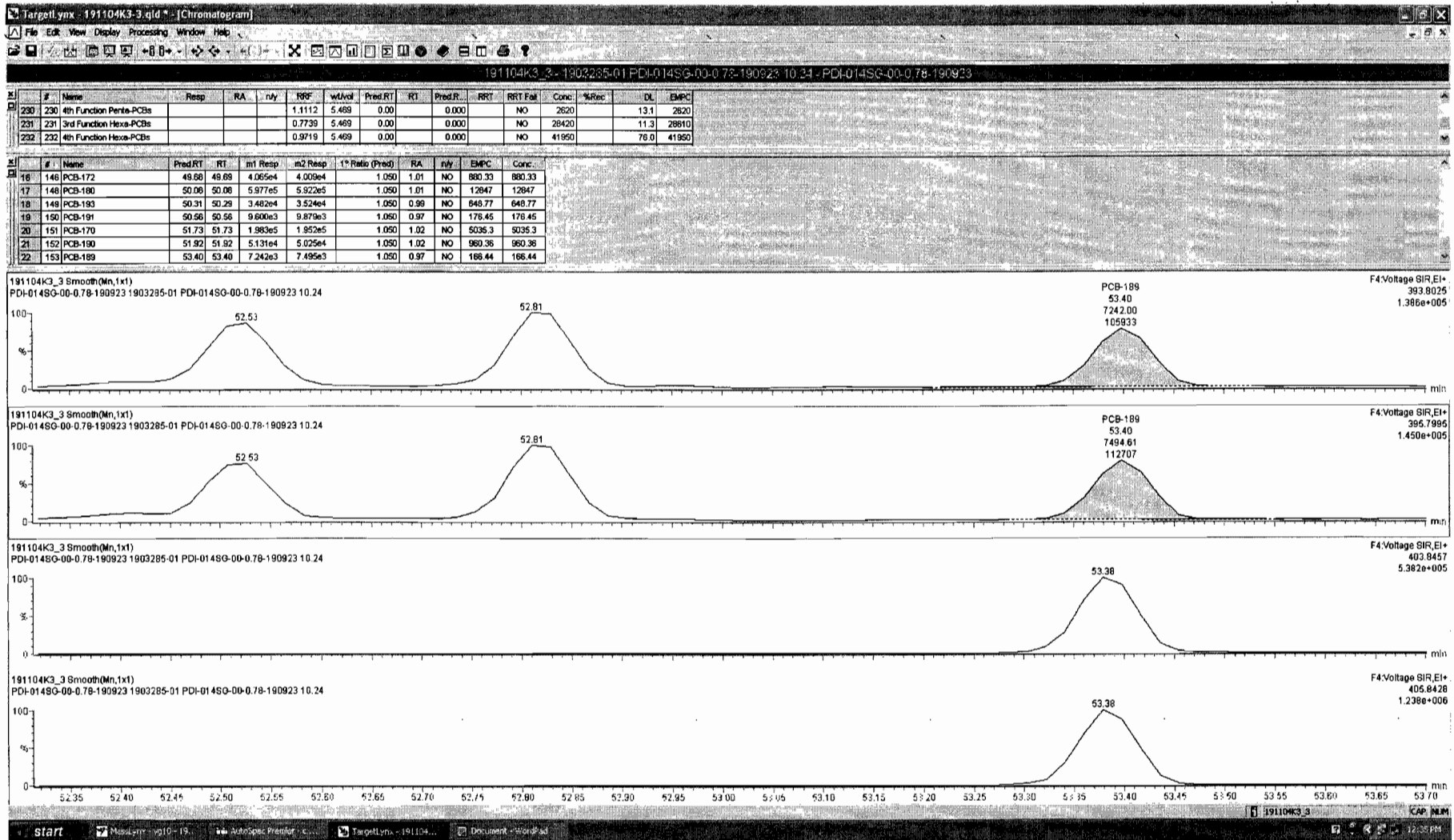
191104K3_3 - 1903285-01 PDI-0145G-00-0.78-190923 10.24 - PDI-0145G-00-0.78-190923

#	Name	Resp	RA	rvy	RF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.1112	5.469	0.00		0.000		NO	2620	13.1	2620	
231	3rd Function Hexa-PCBs				0.7738	5.469	0.00		0.000		NO	28420	11.3	28610	
232	4th Function Hexa-PCBs				0.9719	5.469	0.00		0.000		NO	41950	76.0	41950	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvy	EMPC	Conc.
3	133 PCB-179	44.67	44.65	1.994e5	1.978e5	1.050	1.01	NO	2977.9	2977.9
4	134 PCB-176	45.15	45.14	5.956e4	5.911e4	1.050	1.01	NO	902.65	902.65
5	135 PCB-186	45.77	45.78	2.964e2	2.151e2	1.050	1.38	YES	3.1920	0.00000
6	136 PCB-178	46.28	46.29	3.734e4	3.887e4	1.050	1.01	NO	788.01	788.01
7	137 PCB-175	46.64	46.67	7.549e3	7.257e3	1.050	1.04	NO	153.85	153.85
8	138 PCB-182/187	46.84	46.81	4.356e5	4.326e5	1.050	1.01	NO	7974.4	7974.4
9	139 PCB-183	47.19	47.15	1.913e5	1.849e5	1.050	1.03	NO	3468.1	3468.1







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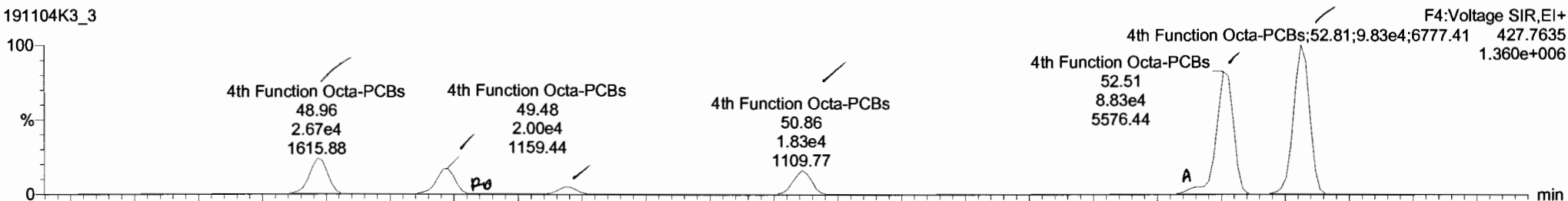
Last Altered: Tuesday, November 05, 2019 07:38:34 Pacific Standard Time

Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

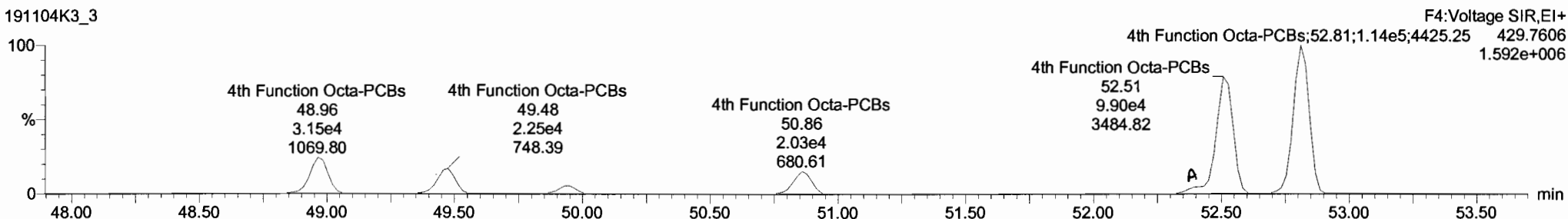
Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

PCB-202

191104K3_3

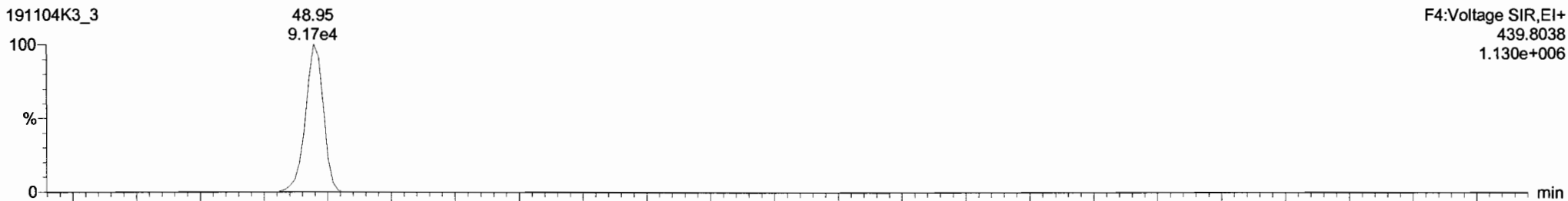


191104K3_3

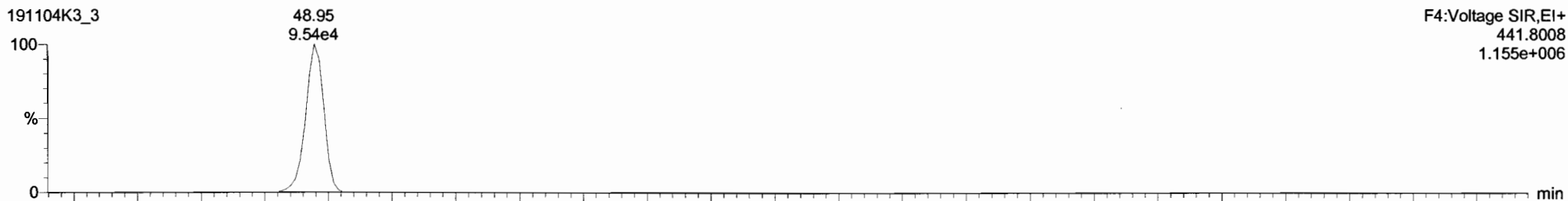


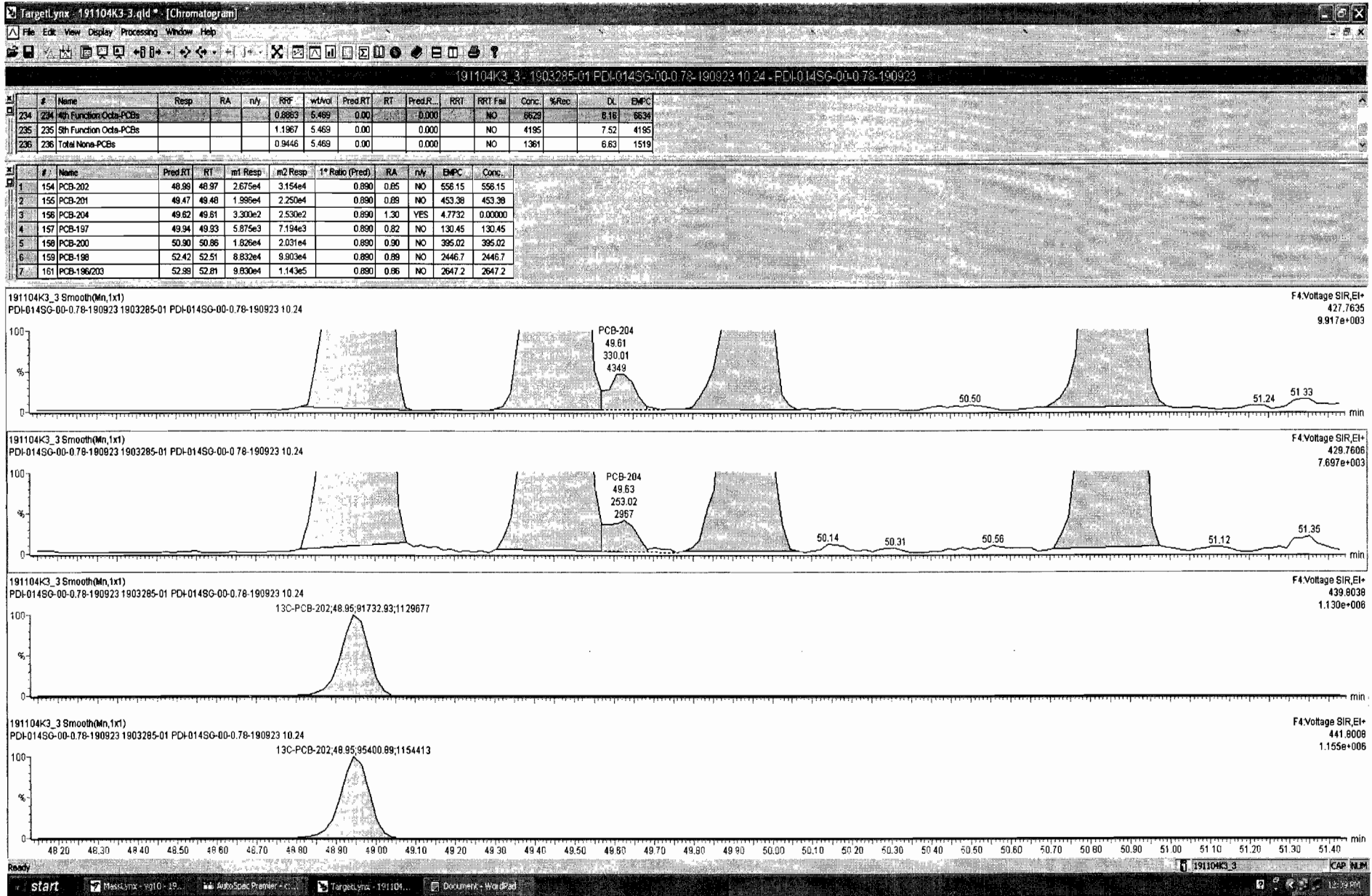
13C-PCB-202

191104K3_3



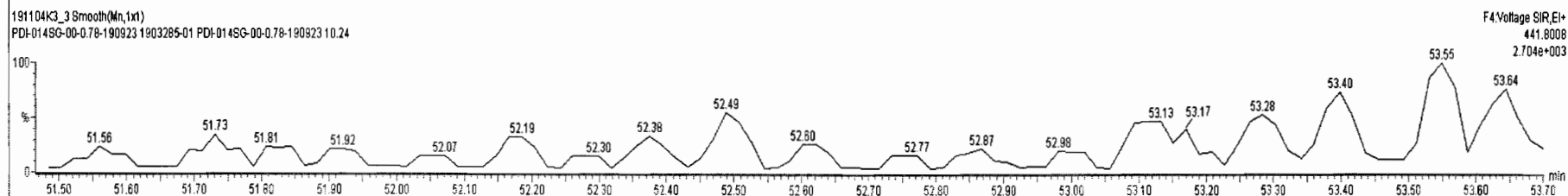
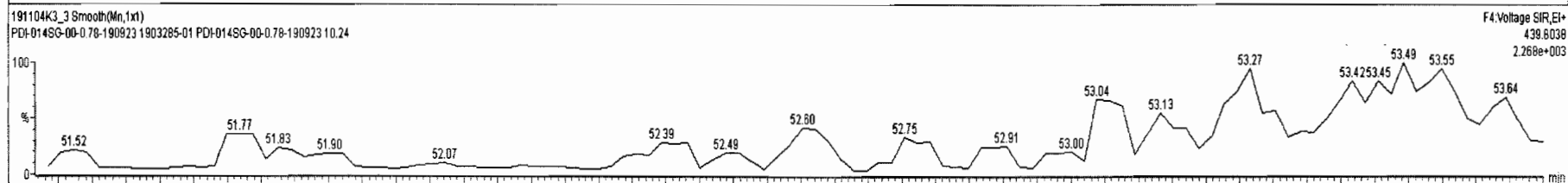
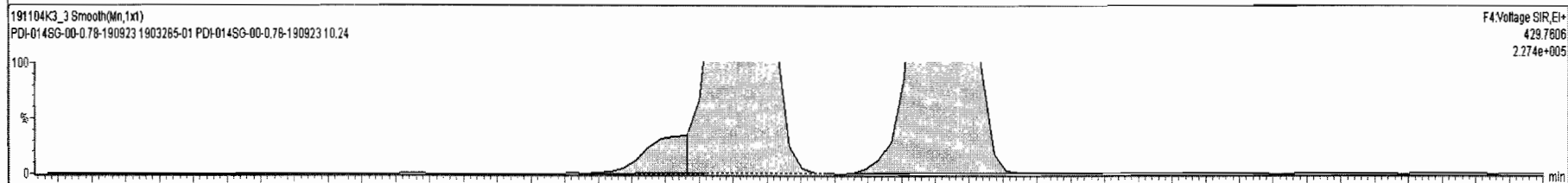
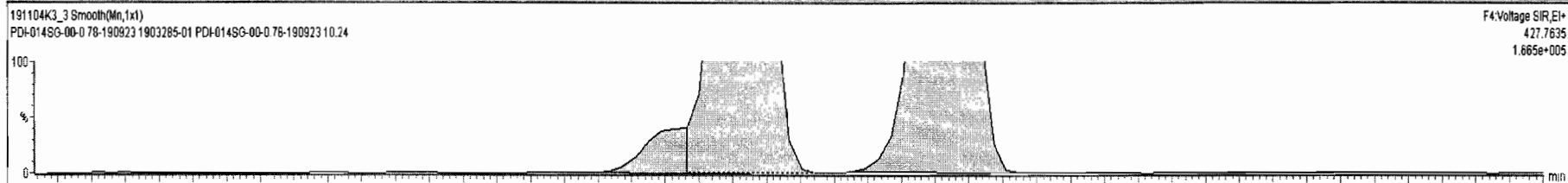
191104K3_3





#	Name	Resp	RA	nly	RRF	wVal	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
234	224 4th Function Octa-PCBs				0.8663	5.468	0.00		0.000		NO	6767		6.16	6772
235	235 5th Function Octa-PCBs				1.1967	5.468	0.00		0.000		NO	4195		7.52	4195
236	236 Total Nona-PCBs				0.9446	5.468	0.00		0.000		NO	1361		6.63	1519

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
2	155 PCB-201	49.47	49.48	1.996e4	2.250e4	0.890	0.89	NO	453.38	453.38
3	156 PCB-204	49.62	49.61	3.300e2	2.530e2	0.890	1.30	YES	4.7732	0.00000
4	157 PCB-197	49.94	49.93	5.875e3	7.194e3	0.890	0.82	NO	130.45	130.45
5	158 PCB-200	50.90	50.86	1.826e4	2.031e4	0.890	0.90	NO	395.02	395.02
6	159 PCB-198	52.42	52.43	4.679e3	5.172e3	0.890	0.90	NO	128.64	128.64
7	160 PCB-199	52.53	52.51	8.371e4	9.372e4	0.890	0.89	NO	2456.0	2456.0
8	161 PCB-196/203	52.99	52.81	9.830e4	1.143e5	0.890	0.86	NO	2647.2	2647.2



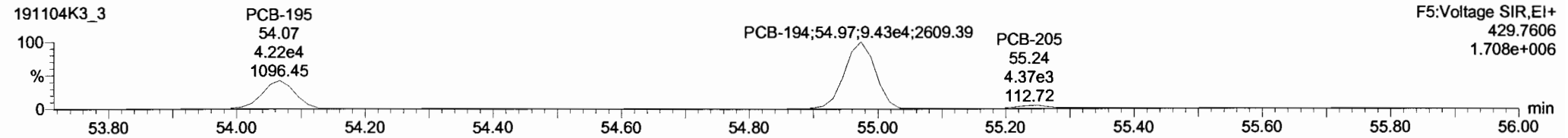
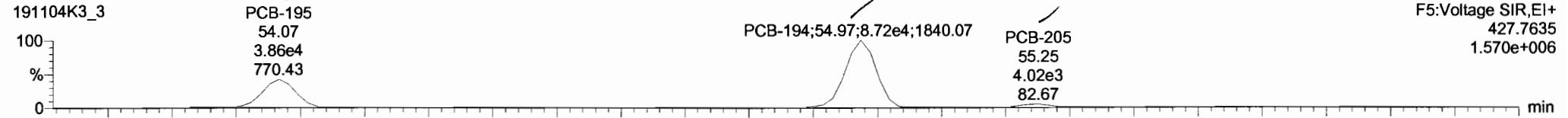
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Last Altered: Tuesday, November 05, 2019 07:38:34 Pacific Standard Time

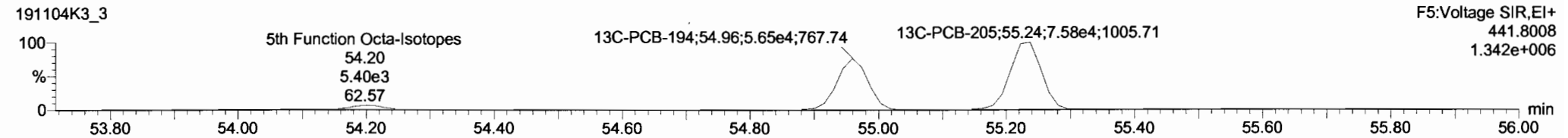
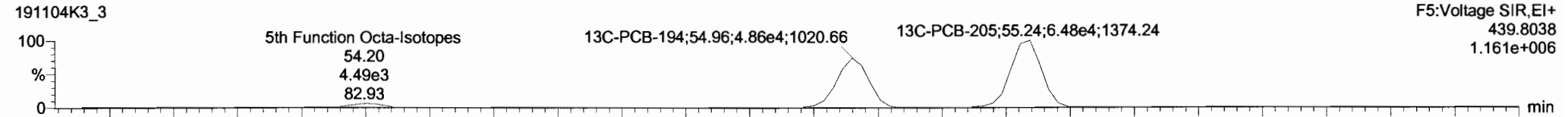
Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

Name: 191104K3_3, Date: 04-Nov-2019, Time: 18:18:57, ID: 1903285-01 PDI-014SG-00-0.78-190923 10.24, Description: PDI-014SG-00-0.78-190923

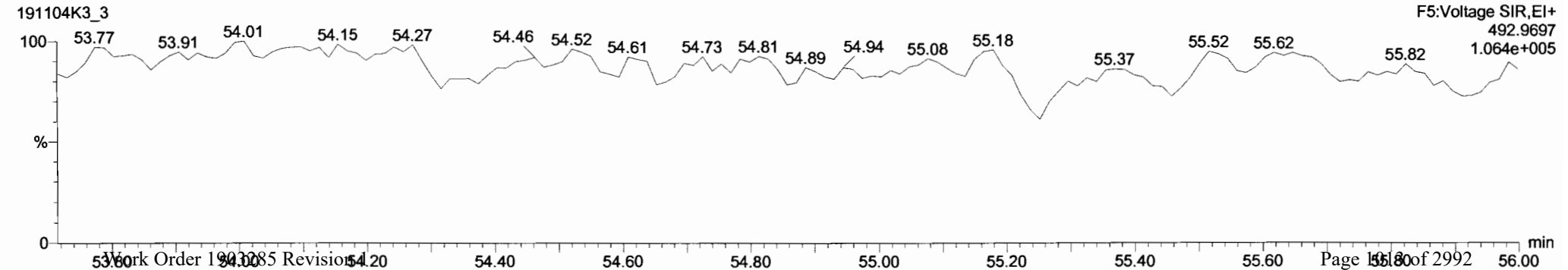
PCB-195



13C-PCB-194



PFK5

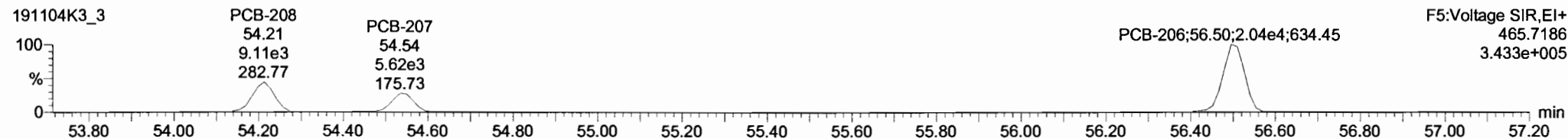
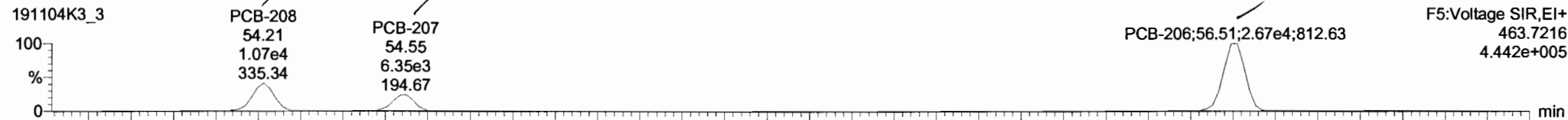


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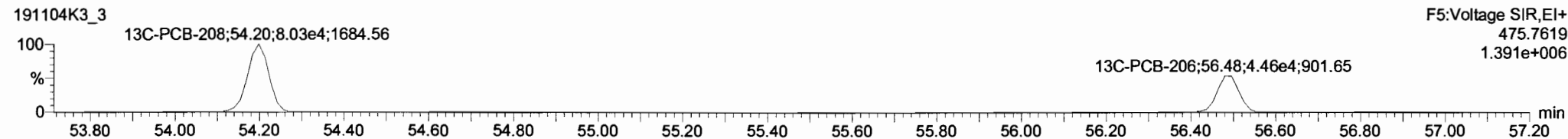
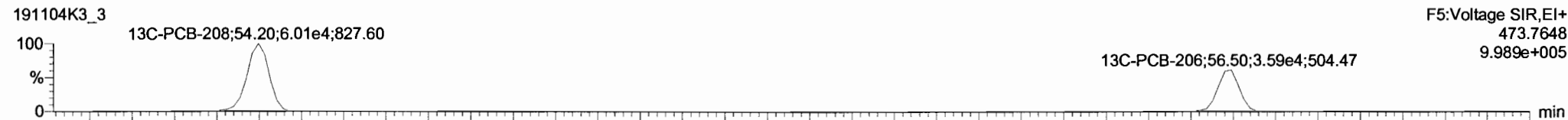
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Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

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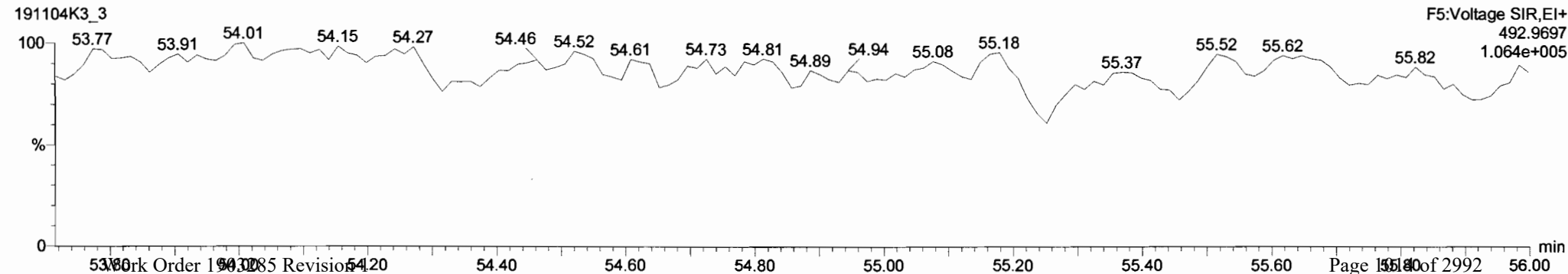
PCB-208

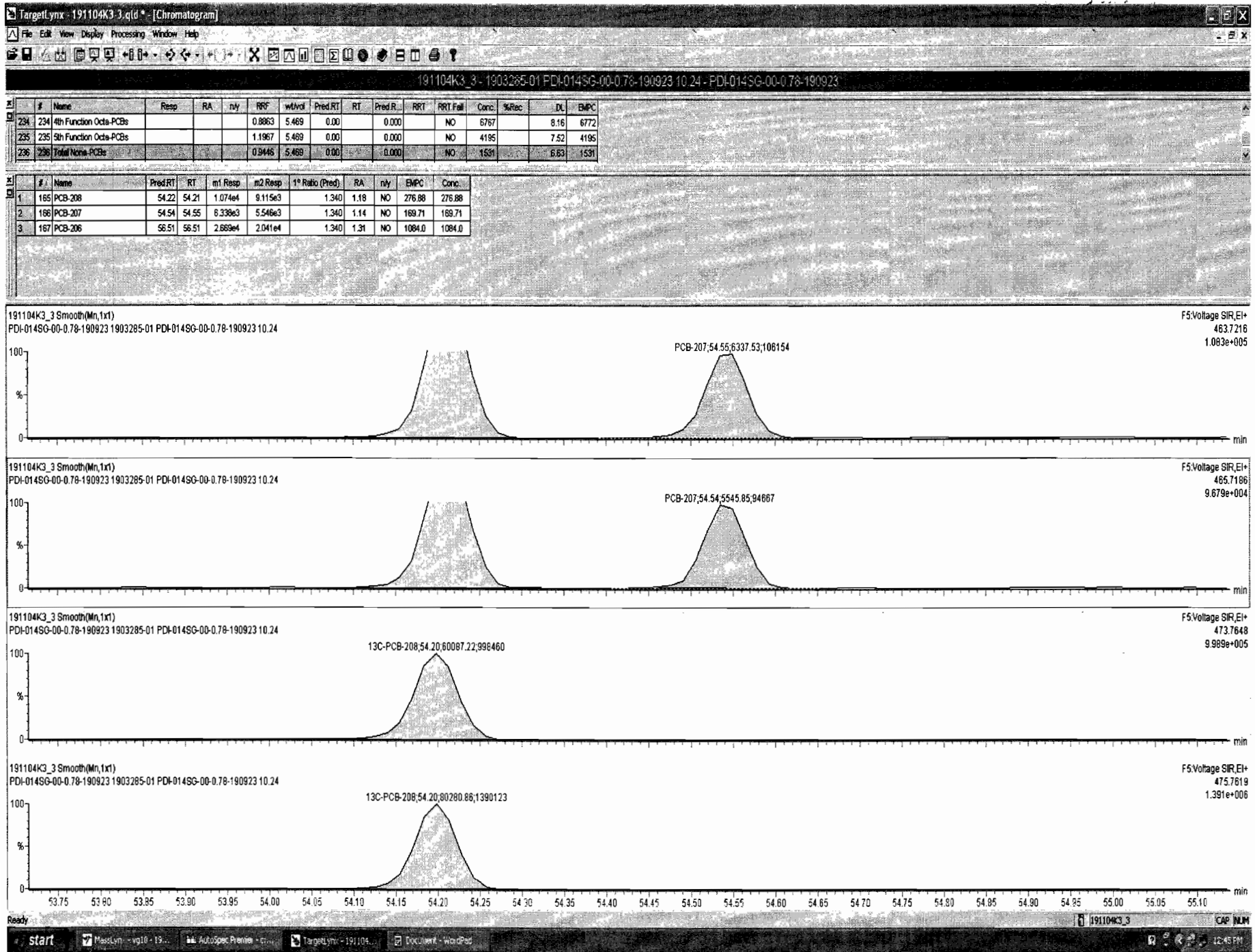


13C-PCB-208



PFK5





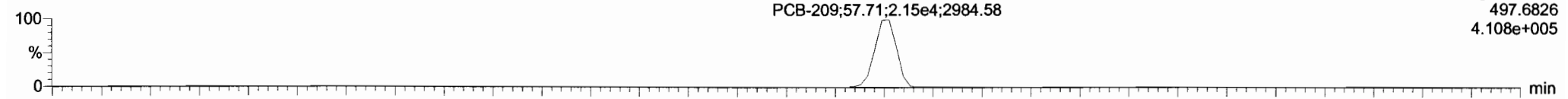
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Printed: Tuesday, November 05, 2019 07:43:28 Pacific Standard Time

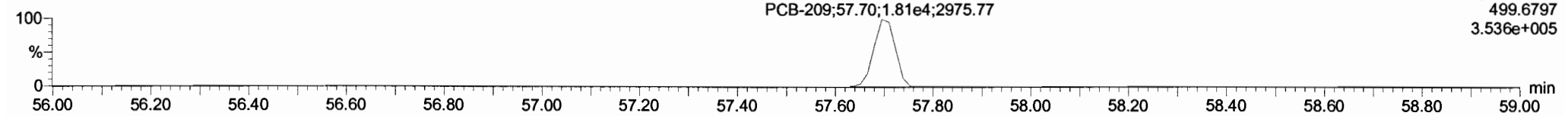
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PCB-209

191104K3_3

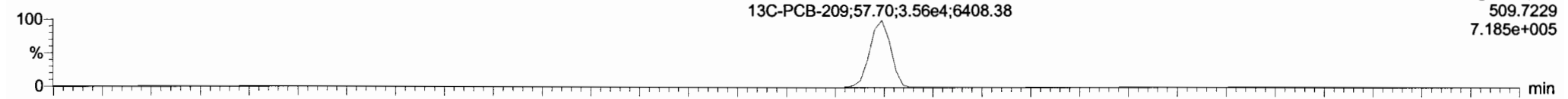


191104K3_3

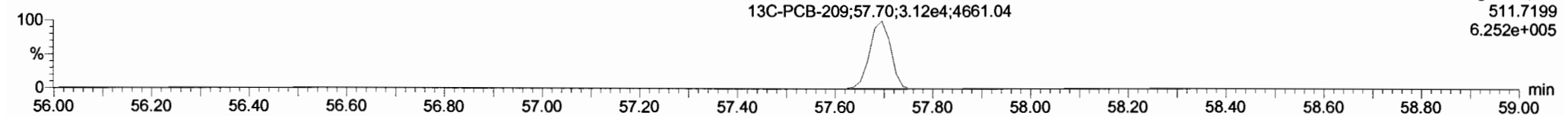


13C-PCB-209

191104K3_3

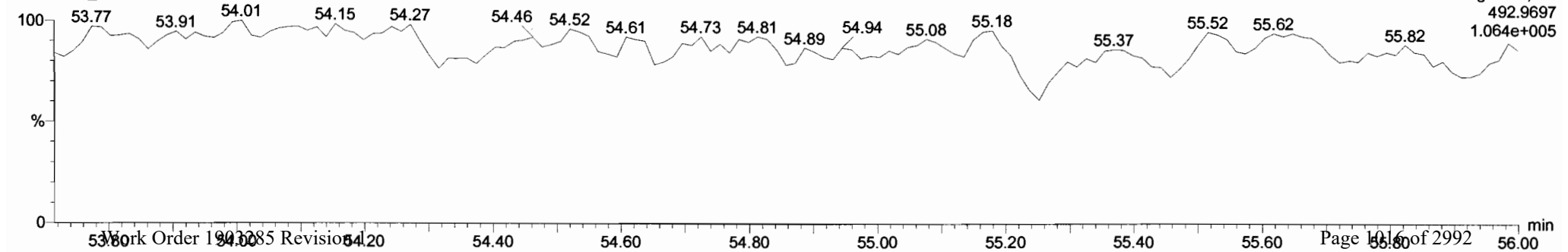


191104K3_3



PFK5

191104K3_3



Dataset: U:\VG11.PRO\Results\191028K2\191028K2-11.qld

Last Altered: Tuesday, October 29, 2019 08:48:03 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 08:50:14 Pacific Daylight Time

hc 10-29-19 CT 10/31/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

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#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	8.13e2	2.95	NO	1.02	1.004	15.24	15.26	1.001	1.002	NO	111.0		18.4	111.0
2	2 PCB-2	7.65e2	1.99	YES	1.01	1.004	17.64	17.63	0.988	0.988	NO	105.6		19.2	90.98
3	3 PCB-3	1.18e3	2.60	YES	1.01	1.004	17.86	17.86	1.001	1.001	NO	158.7		19.3	152.3
4	4 PCB-4/10			NO	1.28	1.004	19.27		1.004		YES			75.2	
5	5 PCB-7/9			NO	0.976	1.004	21.05		1.003		YES			63.9	
6	6 PCB-6			NO	1.02	1.004	21.69		1.033		YES			61.3	
7	7 PCB-5/8	1.04e4	1.49	NO	1.01	1.004	22.09	22.10	1.052	1.053	NO	1183		61.6	1183
8	8 PCB-14			NO	1.03	1.004	23.30		0.952		YES			87.4	
9	9 PCB-11			NO	1.10	1.004	24.50		1.001		YES			82.3	
10	10 PCB-12/13			NO	1.04	1.004	24.93		1.018		YES			87.0	
11	11 PCB-15	6.29e3	1.10	YES	1.03	1.004	25.22	25.18	1.030	1.029	NO	688.8		87.6	592.0
12	12 PCB-19	9.76e2	0.80	YES	0.934	1.004	23.43	23.42	1.001	1.001	NO	267.9		37.5	233.0
13	13 PCB-30			NO	1.48	1.004	24.33		1.040		YES			23.7	
14	14 PCB-18	6.15e3	1.01	NO	0.693	1.004	25.09	25.11	0.951	0.952	NO	1524		34.2	1524
15	15 PCB-17	8.66e3	1.02	NO	0.667	1.004	25.27	25.27	0.958	0.959	NO	2230		35.6	2230
16	16 PCB-24/27	1.35e3	1.02	NO	0.915	1.004	25.87	25.84	0.981	0.980	NO	252.7		25.9	252.7
17	17 PCB-16/32	1.17e4	0.96	NO	0.792	1.004	26.39	26.39	1.001	1.001	NO	2541		29.9	2541
18	18 PCB-34	7.77e2	1.70	YES	0.987	1.004	27.22	27.20	0.959	0.958	NO	95.89		24.2	72.43
19	19 PCB-23			NO	0.974	1.004	27.32		0.962		YES			24.5	
20	20 PCB-29			NO	0.953	1.004	27.55		0.970		YES			25.1	
21	21 PCB-26	7.41e3	1.04	NO	1.00	1.004	27.79	27.77	0.979	0.978	NO	902.0		23.9	902.0
22	22 PCB-25	4.48e3	1.14	NO	0.978	1.004	27.94	27.94	0.984	0.984	NO	558.1		24.4	558.1
23	23 PCB-31	4.16e4	1.05	NO	1.12	1.004	28.32	28.29	0.998	0.997	NO	4510		21.3	4510
24	24 PCB-28	5.41e4	1.03	NO	1.11	1.004	28.40	28.41	1.001	1.001	NO	5964		21.6	5964
25	25 PCB-20/21/33	2.08e4	1.00	NO	1.00	1.004	29.04	29.06	1.023	1.024	NO	2521		23.8	2521
26	26 PCB-22	1.22e4	1.06	NO	1.03	1.004	29.51	29.49	1.039	1.039	NO	1440		23.1	1440
27	27 PCB-36			NO	1.18	1.004	30.12		0.930		YES			26.5	
28	28 PCB-39	4.00e2	1.78	YES	1.08	1.004	30.60	30.62	0.945	0.946	NO	54.26		28.7	39.87
29	29 PCB-38	8.06e2	1.13	NO	1.13	1.004	31.40	31.40	0.970	0.970	NO	105.2		27.6	105.2
30	30 PCB-35	6.23e2	1.46	YES	1.13	1.004	31.94	31.94	0.987	0.987	NO	81.00		27.5	67.27
31	31 PCB-37	9.75e3	1.00	NO	1.11	1.004	32.40	32.39	1.001	1.001	NO	1298		28.2	1298
32	1... 13C-PCB-1	1.43e5	3.12	NO	1.08	1.004	15.23	15.23	0.605	0.605	NO	15450	77.6	273	

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Printed: Tuesday, October 29, 2019 08:50:14 Pacific Daylight Time

Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	1... 13C-PCB-3	1.46e5	3.21	NO	1.09	1.004	17.85	17.85	0.709	0.709	NO	15570	78.1	270	
34	1... 13C-PCB-4	1.05e5	1.58	NO	0.640	1.004	19.20	19.19	0.763	0.762	NO	19110	95.9	52.7	
35	1... 13C-PCB-9	1.73e5	1.61	NO	0.995	1.004	21.00	20.99	0.834	0.834	NO	20200	101	33.8	
36	1... 13C-PCB-11	1.77e5	1.57	NO	0.971	1.004	24.46	24.48	0.972	0.973	NO	21200	106	34.7	
37	1... 13C-PCB-19	7.77e4	0.99	NO	0.637	1.004	23.41	23.40	0.930	0.930	NO	14190	71.3	496	
38	1... 13C-PCB-32	1.16e5	1.04	NO	0.910	1.004	26.40	26.37	1.049	1.048	NO	14840	74.5	347	
39	1... 13C-PCB-28	1.64e5	1.03	NO	1.07	1.004	28.38	28.39	1.004	1.004	NO	18200	91.4	486	
40	1... 13C-PCB-37	1.35e5	1.12	NO	0.959	1.004	32.38	32.37	1.145	1.145	NO	16780	84.3	542	
41	2... 13C-PCB-15	1.71e5	1.61	NO	1.00	1.004	25.12	25.17	1.000	0.000	NO	19920	100	33.7	
42	2... 13C-PCB-31	1.67e5	0.98	NO	1.00	1.004	28.24	28.27	1.000	0.000	NO	19920	100	520	

total niuuo 111.0
total di 1183
total tri 21,570
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10-31-19
243.7 ~~354.28~~
1775.0
~~41,982.87~~
24253.57

Vista Analytical Laboratory VG-11

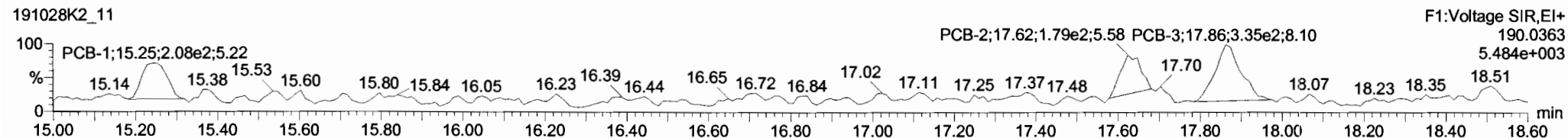
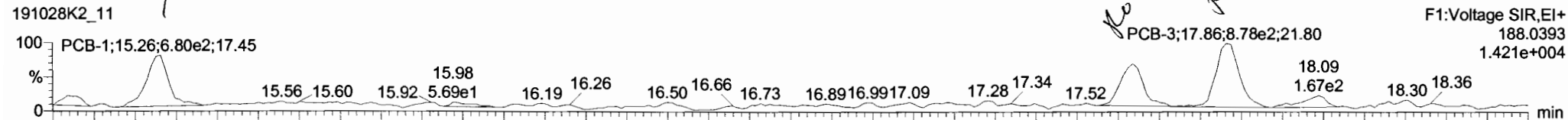
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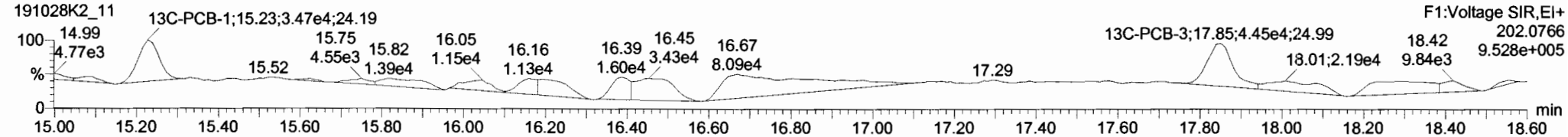
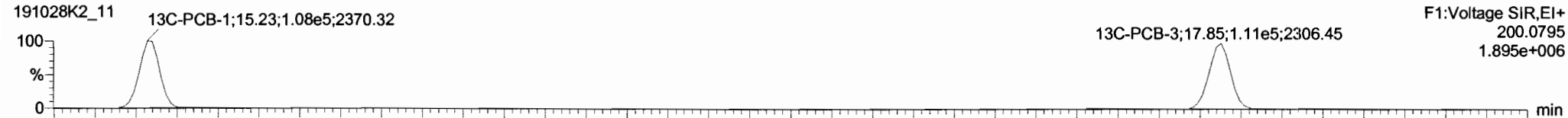
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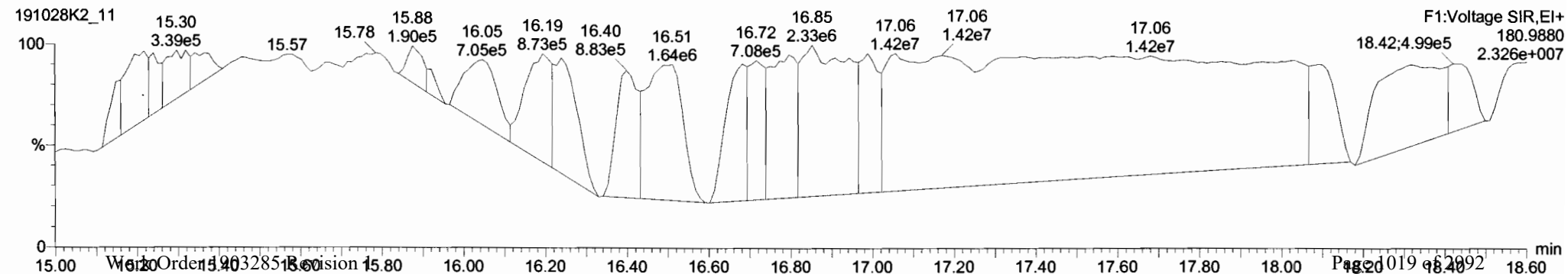
PCB-1



13C-PCB-1



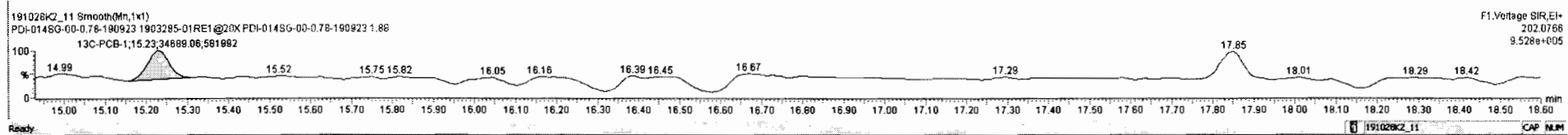
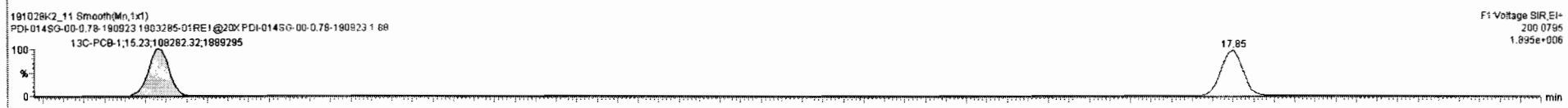
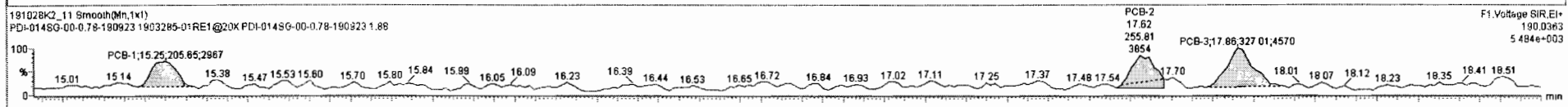
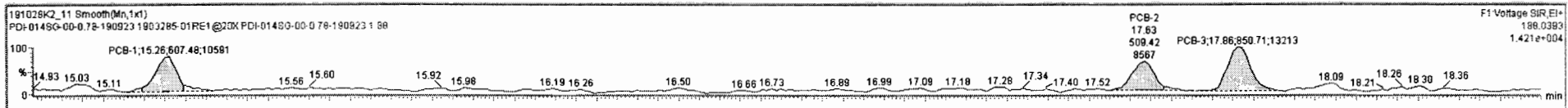
PFK1



191028k2_11 - 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88 - PDI-014SG-00-0.78-190923

#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wAwt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e5	1.18e5	183	0.78	NO	1.004	37.38	37.38	0.967	0.967	NO	20410	102	108		
223	13C-PCB-178	4.59e4	4.89e4	205	0.49	NO	1.004	45.51	45.47	0.923	0.924	NO	19180	96.3	55.4		
224	Total Mono-PCBs						1.004	0.00			0.000	NO	111.0		56.8	3542	
225	Total Di-PCBs						1.004	0.00			0.000	NO	1239		607	1831	
226	2nd Function Tri-PCBs						1.004	0.00			0.000	NO	4026		187	5798	
227	3rd Function Tri-PCBs						1.004	0.00			0.000	NO	17390		350	17620	
228	Total Tetra-PCBs						1.004	0.00			0.000	NO	72470		657	73250	
229	3rd Function Penta-PCBs						1.004	0.00			0.000	NO	53110		1110	53810	
230	4th Function Penta-PCBs						1.004	0.00			0.000	NO	1827		180	1990	
231	3rd Function Hexa-PCBs						1.004	0.00			0.000	NO	18960		315	19430	
232	4th Function Hexa-PCBs						1.004	0.00			0.000	NO	32610		687	33700	

#	Name	Pred RT	RT	Int Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primary	* Det
1	PCB-1	15.24	15.26	6.075e2	2.057e2	3.130	2.95	NO	111.00	111.00	MM	MM
2	PCB-2	17.64	17.63	5.094e2	2.558e2	3.130	1.99	YES	90.983	0.00000	MM	MM
3	PCB-3	17.86	17.86	8.507e2	3.270e2	3.130	2.60	YES	152.25	0.00000	MM	MM

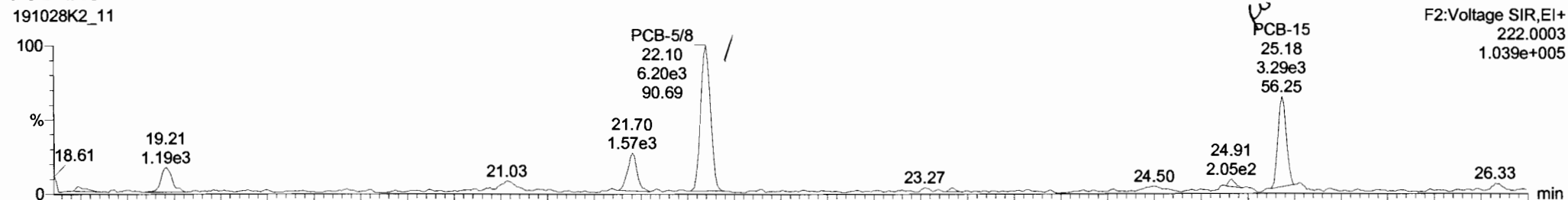


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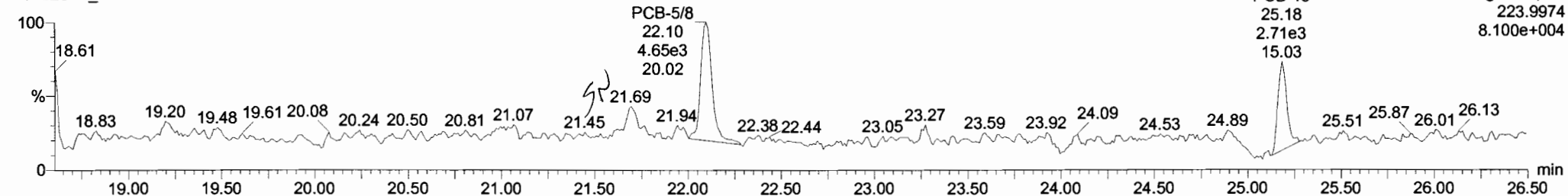
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Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

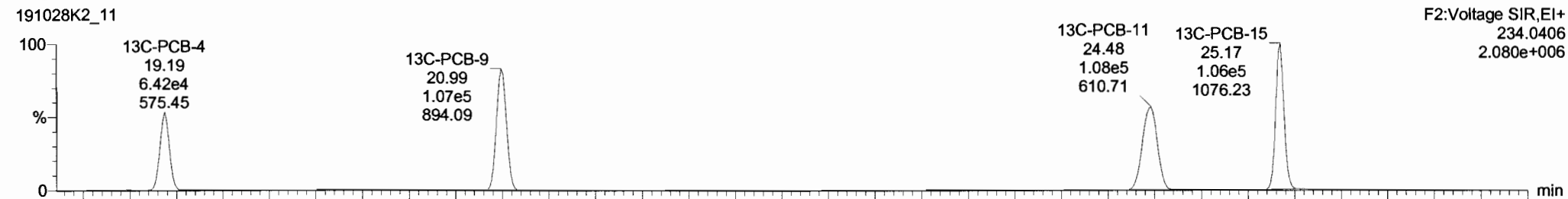
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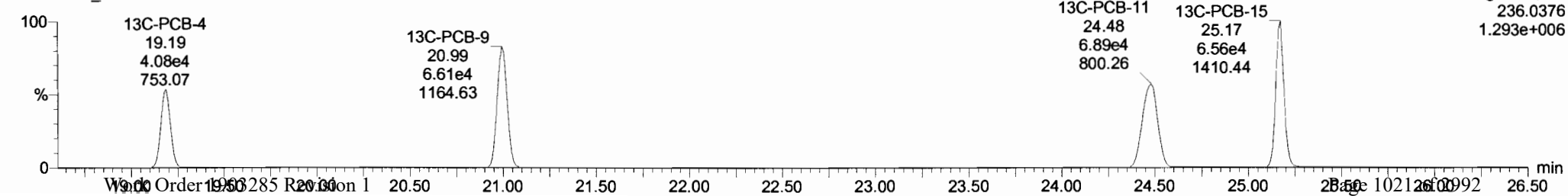
191028K2_11



13C-PCB-4



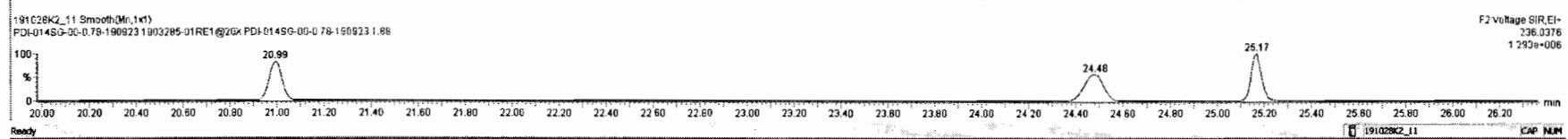
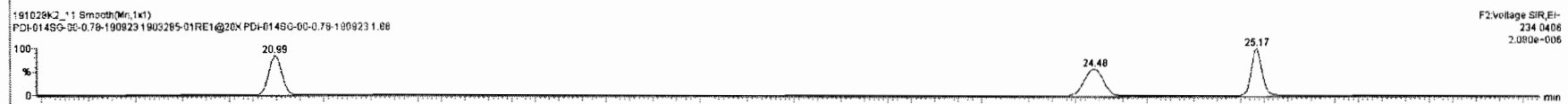
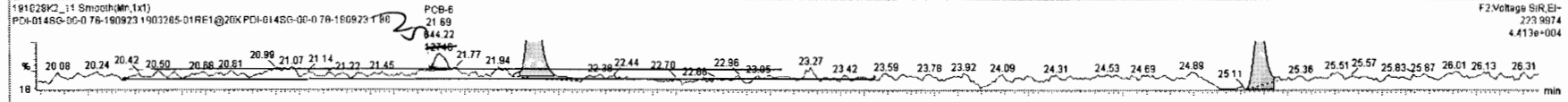
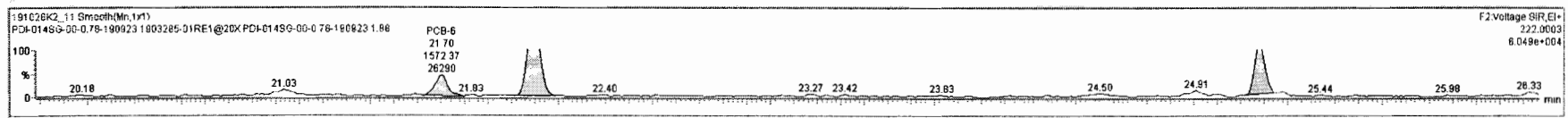
191028K2_11



191028K2_11 - 1903285-01RE1@20X PDI-014SG-00-0 78-190928 1.88 - PDI-014S 3-00-0 78-190922

#	Name	Resp	IS Resp	ISF	RA	n/y	RPF	wAve	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e5	1.18e5	183	0.76	NO		1.004	37.38	37.38	0.967	0.967	NO	20410	102	108	
223	13C-PCB-178	4.59e4	4.89e4	205	0.49	NO		1.004	45.51	45.47	0.923	0.924	NO	19180	96.3	55.4	
224	Total Mono-PCBs							1.004	0.00			0.000	NO	111.0		56.8	354.2
225	Total Di-PCBs							1.004	0.00			0.000	NO	1183		607	1962
226	2nd Function Tri-PCBs							1.004	0.00			0.000	NO	4026		187	5798
227	3rd Function Tri-PCBs							1.004	0.00			0.000	NO	17350		350	17620
228	Total Tetra-PCBs							1.004	0.00			0.000	NO	72470		857	73250
229	3rd Function Penta-PCBs							1.004	0.00			0.000	NO	53110		1110	53610
230	4th Function Penta-PCBs							1.004	0.00			0.000	NO	1827		180	1990
231	3rd Function Hexa-PCBs							1.004	0.00			0.000	NO	18980		315	19430
232	4th Function Hexa-PCBs							1.004	0.00			0.000	NO	32610		6871	33700

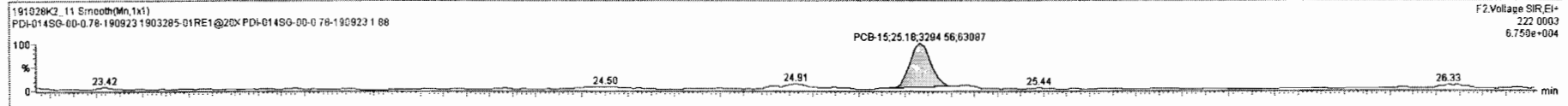
#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1* Det.
1	6 PCB-6	21.89	21.70	1.572e3	6.442e2	1.580	2.44	YES	187.07	0.00000	bb	MM
2	7 PCB-58	22.09	22.10	6.201e3	4.165e3	1.580	1.49	NO	1182.8	1182.8		MM
3	11 PCB-15	25.22	25.18	3.295e3	2.996e3	1.580	1.10	YES	592.02	0.00000	bb	MM



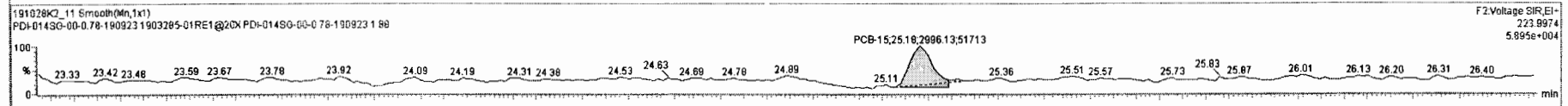
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#	Name	Resp	IS Resp	ISF	RA	nV	RRF	wVnd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	1.26e5	1.18e5	183	0.76	NO		1.004	37.38	37.38	0.967	0.967	NO	20410	102	108	
223	223 13C-PCB-178	4.59e4	4.89e4	205	0.49	NO		1.004	45.51	45.47	0.923	0.924	NO	18180	96.3	55.4	
224	224 Total Mono-PCBs							1.004	0.00			0.000	NO	111.0		56.8	354.2
225	225 Total Di-PCBs							1.004	0.00			0.000	NO	1163		807	1775
226	226 2nd Function Tri-PCBs							1.004	0.00			0.000	NO	4026		187	5798
227	227 3rd Function Tri-PCBs							1.004	0.00			0.000	NO	17350		350	17620
228	228 Total Tetra-PCBs							1.004	0.00			0.000	NO	72470		857	73250
229	229 3rd Function Penta-PCBs							1.004	0.00			0.000	NO	53110		1110	53610
230	230 4th Function Penta-PCBs							1.004	0.00			0.000	NO	1827		180	1890
231	231 3rd Function Hexa-PCBs							1.004	0.00			0.000	NO	18990		315	19430
232	232 4th Function Hexa-PCBs							1.004	0.00			0.000	NO	32910		687	33700

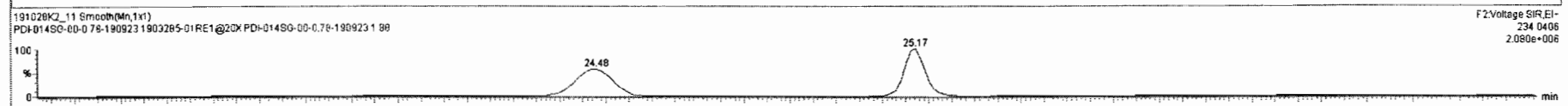
#	Name	Pred RT	RT	wt Resp	inJ Resp	Pred RA	RA	nV	EMPC	Conc	Priser	1* Det
1	7 PCB-58	22.09	22.10	6.201e3	4.165e3	1.560	1.49	NO	1182.8	1182.8	bb	MM
2	11 PCB-15	25.22	25.18	3.295e3	2.996e3	1.560	1.10	YES	692.02	0.00000	bb	MM



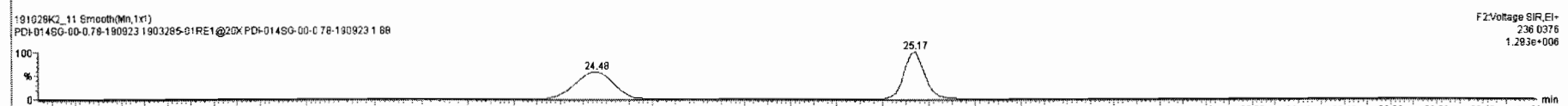
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6.750e+004



F2:Voltage SIR,EI-
223 9974
5.895e+004



F2:Voltage SIR,EI-
234 0406
2.080e+006



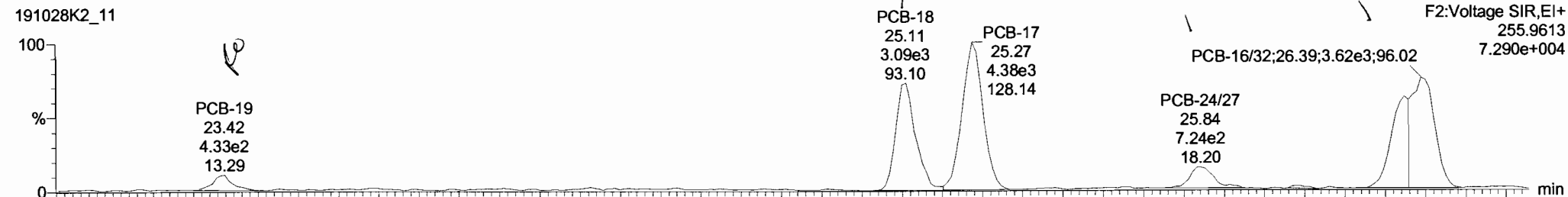
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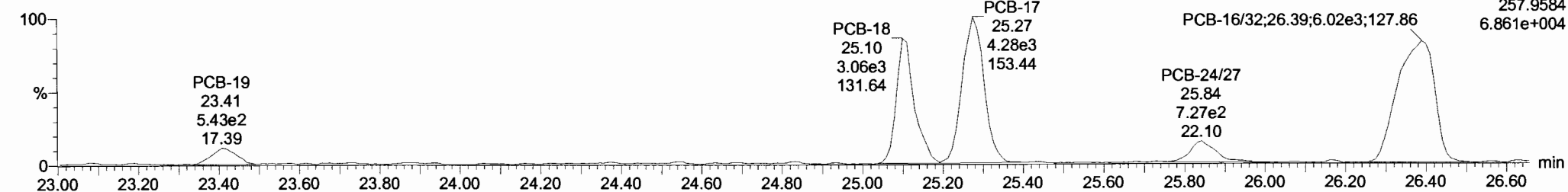
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Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

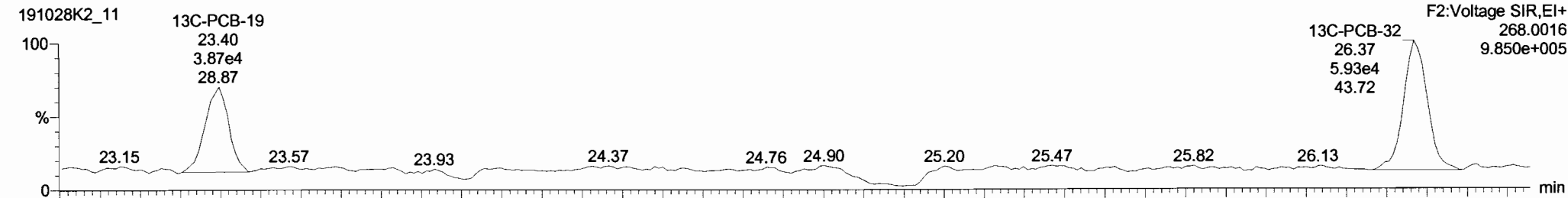
PCB-19



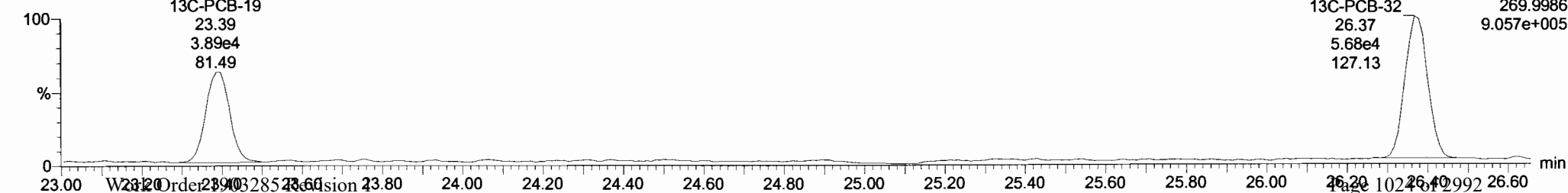
191028K2_11



13C-PCB-19

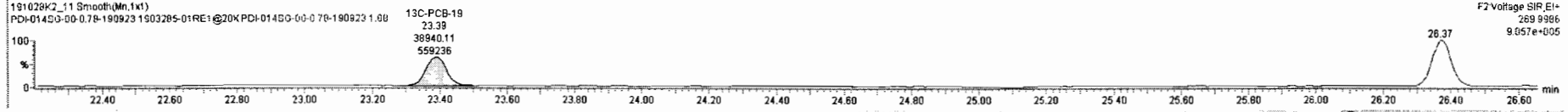
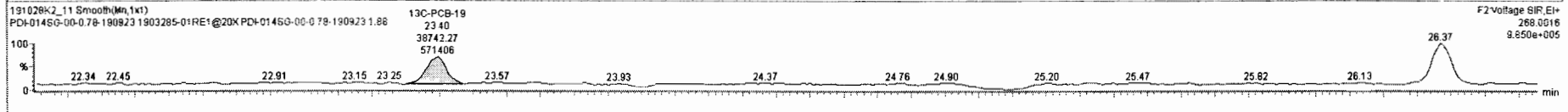
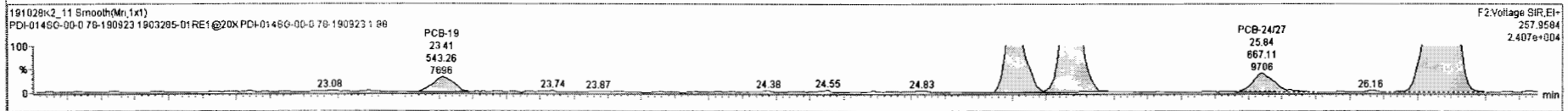
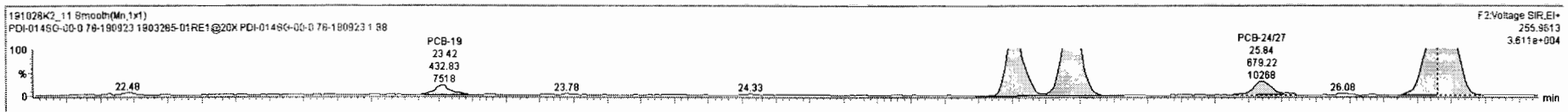


191028K2_11



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	WdWd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.26e5	1.18e5	183	0.76	NO		1.004	37.38	37.38	0.967	0.967	NO	20410	102	108	
223	13C-PCB-178	4.59e4	4.89e4	206	0.49	NO		1.004	45.51	45.47	0.923	0.924	NO	19180	96.3	55.4	
224	224 Total Mono-PCBs							1.004	0.00			0.000	NO	111.0		56.8	354.2
225	225 Total Di-PCBs							1.004	0.00			0.000	NO	1183		607	1775
226	226 2nd Function Tri-PCBs							1.004	0.00			0.000	NO	6547		187	6780
227	227 3rd Function Tri-PCBs							1.004	0.00			0.000	NO	17350		350	17620
228	228 Total Tetra-PCBs							1.004	0.00			0.000	NO	72470		857	73250
229	229 3rd Function Penta-PCBs							1.004	0.00			0.000	NO	53110		1110	53610
230	230 4th Function Penta-PCBs							1.004	0.00			0.000	NO	1827		180	1990
231	231 3rd Function Hexa-PCBs							1.004	0.00			0.000	NO	18960		315	19430
232	232 4th Function Hexa-PCBs							1.004	0.00			0.000	NO	32810		687	33700

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Prmer	1* Del
1	12 PCB-19	23.43	23.42	4.329e2	5.433e2	1.040	0.80	YES	233.04	0.00000	bb	bb
2	14 PCB-18	25.09	25.11	3.087e3	3.064e3	1.040	1.01	NO	1523.9	1523.9	bd	bd
3	15 PCB-17	25.27	25.27	4.377e3	4.285e3	1.040	1.02	NO	2230.0	2230.0	db	db
4	16 PCB-24/27	25.87	25.84	6.792e2	6.871e2	1.040	1.02	NO	252.75	252.75	MM	MM
5	17 PCB-16/2	26.39	26.39	5.750e3	5.974e3	1.040	0.96	NO	2540.5	2540.5	MM	MM

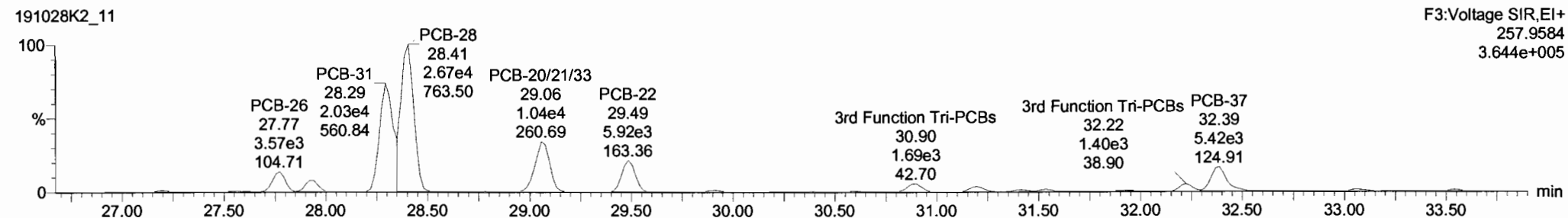
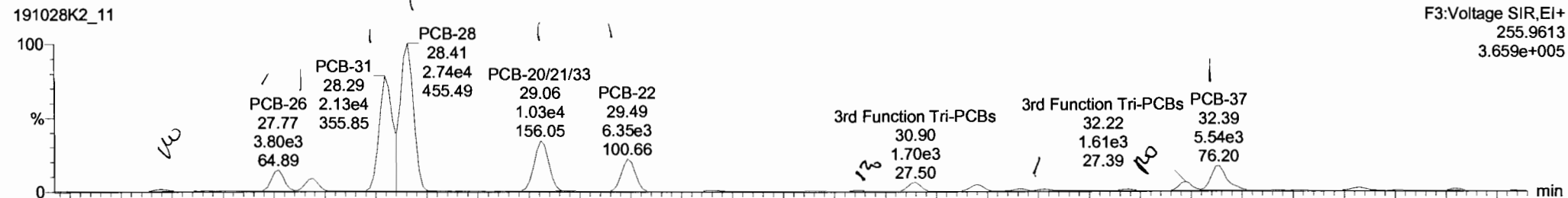


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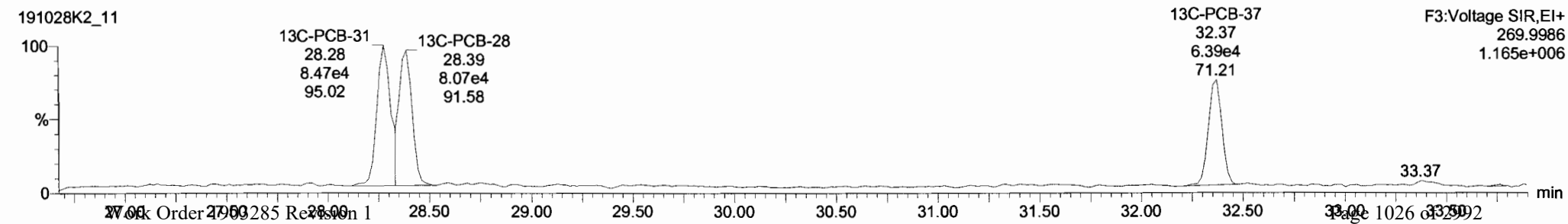
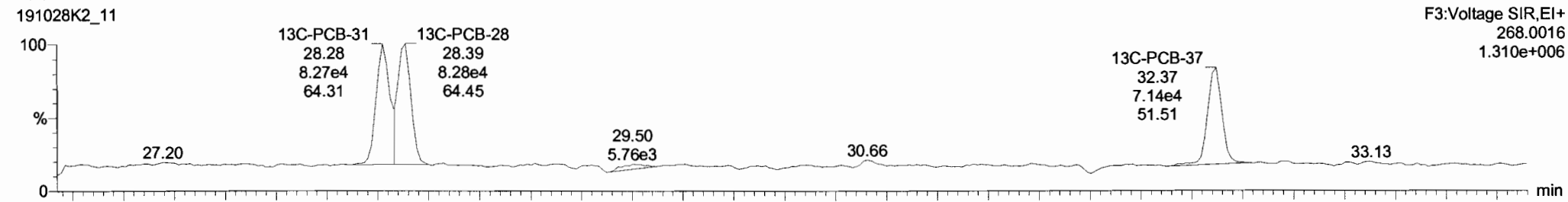
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PCB-34

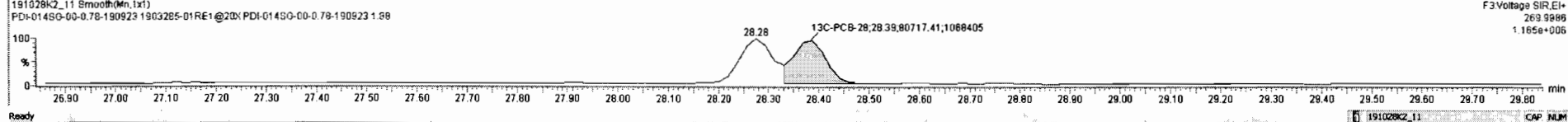
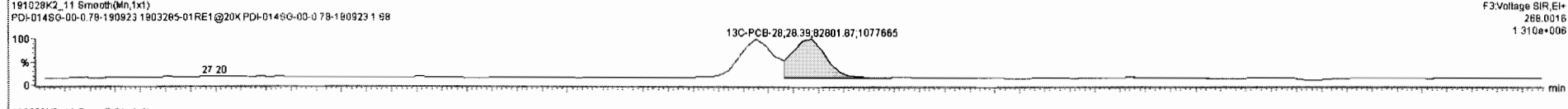
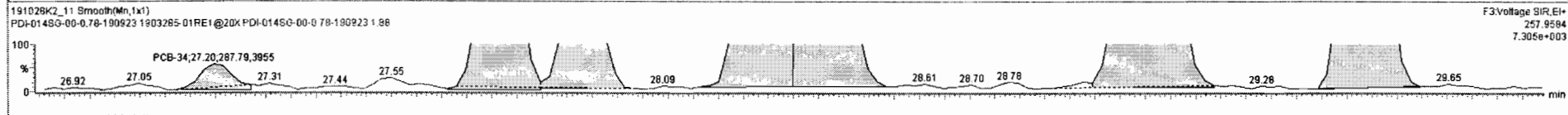
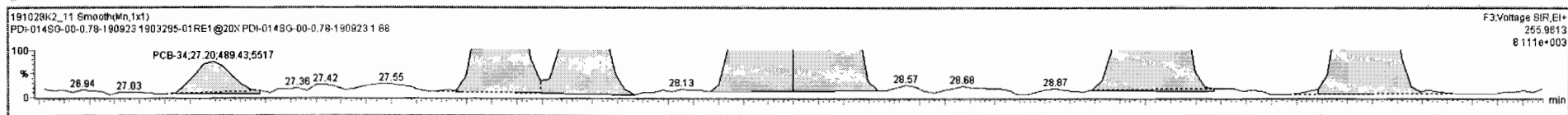


13C-PCB-28



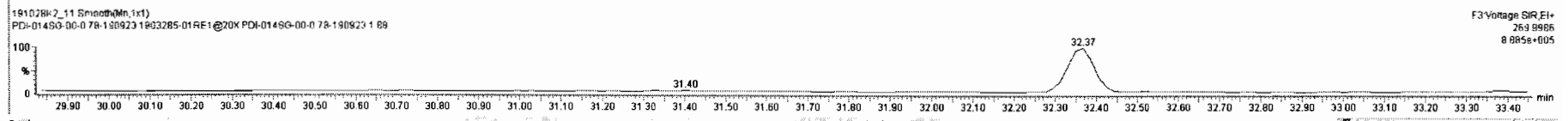
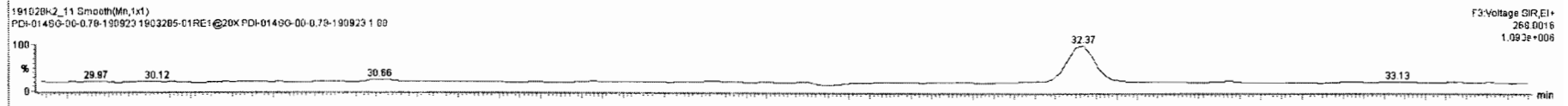
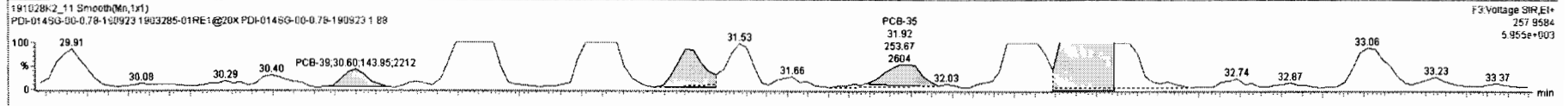
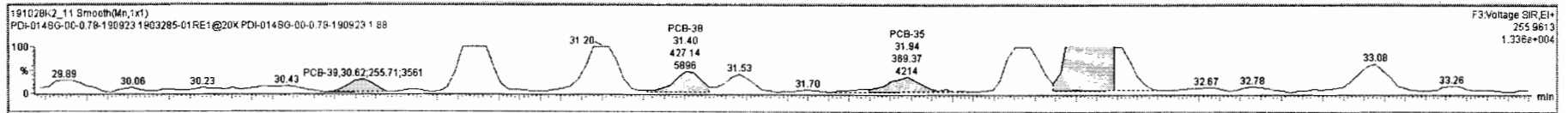
#	Name	Resp	IS Resp	ISF	RA	nly	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	1.26e5	1.18e5	183	0.76	NO		1.004	37.38	37.38	0.967	0.967	NO	20410	102	108	
223	223 13C-PCB-178	4.55e4	4.89e4	205	0.49	NO		1.004	45.51	45.47	0.823	0.924	NO	19180	96.3	55.4	
224	224 Total Mono-PCBs							1.004	0.00			0.000	NO	111.0		56.8	354.2
225	225 Total Di-PCBs							1.004	0.00			0.000	NO	1183		607	1775
226	226 2nd Function Tri-PCBs							1.004	0.00			0.000	NO	6547		187	6780
227	227 3rd Function Tri-PCBs							1.004	0.00			0.000	NO	17300		360	17488
228	228 Total Tetra-PCBs							1.004	0.00			0.000	NO	73470		857	73250
229	229 3rd Function Penta-PCBs							1.004	0.00			0.000	NO	53110		1110	53610
230	230 4th Function Penta-PCBs							1.004	0.00			0.000	NO	1827		180	1990
231	231 3rd Function Hexa-PCBs							1.004	0.00			0.000	NO	18960		315	19430
232	232 4th Function Hexa-PCBs							1.004	0.00			0.000	NO	32810		687	33700

#	Name	Pred RT	RT	Int Resp	Int2 Resp	Pred RA	RA	nly	EMPC	Conc.	Primer	1* Det.
1	18 PCB-34	27.22	27.20	4.894e2	2.878e2	1.040	1.70	YES	72.431	0.00000	MM	MM
2	21 PCB-26	27.79	27.77	3.775e3	3.636e3	1.040	1.04	NO	901.98	901.98	MM	MM
3	22 PCB-25	27.94	27.94	2.388e3	2.062e3	1.040	1.14	NO	558.12	558.12	db	MM
4	23 PCB-31	28.32	28.29	2.129e4	2.029e4	1.040	1.05	NO	4509.9	4509.9	bd	bd
5	24 PCB-28	28.40	28.41	2.743e4	2.671e4	1.040	1.03	NO	5963.7	5963.7	db	db
6	25 PCB-20(21)3	29.04	29.06	1.037e4	1.040e4	1.040	1.00	NO	2521.3	2521.3	MM	MM
7	26 PCB-22	29.51	29.48	6.287e3	5.915e3	1.040	1.06	NO	1440.2	1440.2	MM	bb
8	28 PCB-39	30.60	30.62	2.557e2	1.439e2	1.040	1.78	YES	39.866	0.00000	MM	bb
9	29 PCB-38	31.40	31.40	4.271e2	3.792e2	1.040	1.13	NO	105.19	105.19	MM	MM



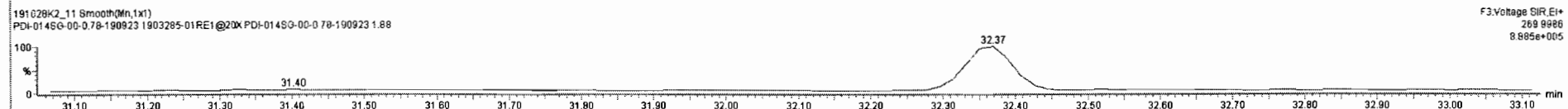
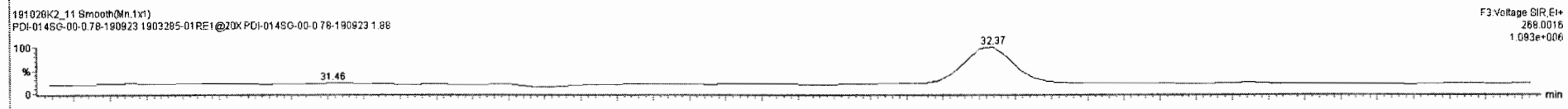
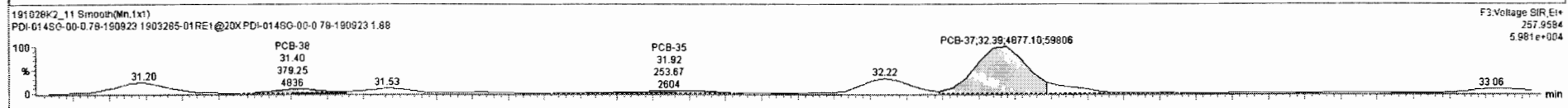
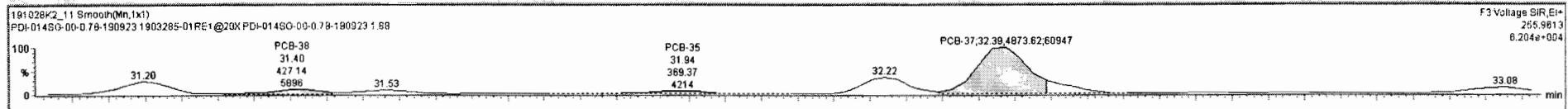
#	Name	Resp	IS Resp	SR	RA	n/y	RF	w/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.28e5	1.18e5	183	0.78	NO		1.004	37.38	37.38	0.967	0.967	NO	20410	102	108	
223	13C-PCB-178	4.59e4	4.89e4	205	0.49	NO		1.004	45.51	45.47	0.923	0.924	NO	19180	96.3	55.4	
224	Total Mono-PCBs							1.004	0.00			0.000	NO	111.0		56.8	354.2
225	Total DLPCBs							1.004	0.00			0.000	NO	1183		607	1775
226	2nd Function Tri-PCBs							1.004	0.00			0.000	NO	6547		187	6780
227	3rd Function Tri-PCBs							1.004	0.00			0.000	NO	17300		360	17480
228	Total Tetra-PCBs							1.004	0.00			0.000	NO	72470		857	73250
229	3rd Function Penta-PCBs							1.004	0.00			0.000	NO	53110		1110	53610
230	4th Function Penta-PCBs							1.004	0.00			0.000	NO	1827		180	1890
231	3rd Function Hexa-PCBs							1.004	0.00			0.000	NO	10890		315	19430
232	4th Function Hexa-PCBs							1.004	0.00			0.000	NO	32810		687	33700

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	** Det.
1	18 PCB-34	27.22	27.20	4.89e2	2.879e2	1.040	1.70	YES	72.431	0.00000	MM	MM
2	21 PCB-26	27.79	27.77	3.775e3	3.639e3	1.040	1.04	NO	901.98	901.98	MM	MM
3	22 PCB-25	27.94	27.94	2.389e3	2.093e3	1.040	1.14	NO	598.12	598.12	db	MM
4	23 PCB-31	28.32	28.29	2.129e4	2.029e4	1.040	1.05	NO	4509.9	4509.9	bd	bd
5	24 PCB-28	28.40	28.41	2.743e4	2.671e4	1.040	1.03	NO	5963.7	5963.7	db	db
6	25 PCB-20/21/33	29.04	29.06	1.037e4	1.040e4	1.040	1.00	NO	2521.3	2521.3	MM	MM
7	26 PCB-22	29.51	29.49	6.297e3	5.915e3	1.040	1.06	NO	1440.2	1440.2	MM	bb
8	28 PCB-39	30.60	30.62	2.557e2	1.439e2	1.040	1.78	YES	39.866	0.00000	MM	bb
9	29 PCB-36	31.40	31.40	4.271e2	3.792e2	1.040	1.13	NO	105.19	105.19	MM	MM



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtAol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	1.26e5	1.18e5	183	0.76	NO		1.004	37.38	37.38	0.967	0.967	NO	20410	102	108	
223	223 13C-PCB-178	4.59e4	4.89e4	205	0.49	NO		1.004	45.51	45.47	0.923	0.924	NO	19180	96.3	55.4	
224	224 Total Mono-PCBs							1.004	0.00			0.000	NO	111.0		56.8	354.2
225	225 Total Di-PCBs							1.004	0.00			0.000	NO	1183		607	1775
226	226 2nd Function Tri-PCBs							1.004	0.00			0.000	NO	6547		187	6780
227	227 3rd Function Tri-PCBs							1.004	0.00			0.000	NO	17300		359	17480
228	228 Total Tetra-PCBs							1.004	0.00			0.000	NO	72470		857	73250
229	229 3rd Function Penta-PCBs							1.004	0.00			0.000	NO	53110		1110	53610
230	230 4th Function Penta-PCBs							1.004	0.00			0.000	NO	1627		180	1890
231	231 3rd Function Hexa-PCBs							1.004	0.00			0.000	NO	18960		315	19430
232	232 4th Function Hexa-PCBs							1.004	0.00			0.000	NO	32810		687	33700

#	Name	Pred.RT	RT	Int Resp	Int2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Preser	*Det
1	18 PCB-34	27.22	27.20	4.894e2	2.878e2	1.040	1.70	YES	72.431	0.00000	MM	MM
2	21 PCB-26	27.79	27.77	3.775e3	3.636e3	1.040	1.04	NO	901.96	901.98	MM	MM
3	22 PCB-25	27.94	27.94	2.388e3	2.093e3	1.040	1.14	NO	558.12	558.12	db	MM
4	23 PCB-31	28.32	28.29	2.129e4	2.029e4	1.040	1.05	NO	4509.9	4509.9	bd	bd
5	24 PCB-28	28.40	28.41	2.743e4	2.671e4	1.040	1.03	NO	5963.7	5963.7	db	db
6	25 PCB-20/21/33	29.04	29.06	1.037e4	1.040e4	1.040	1.00	NO	2521.3	2521.3	MM	MM
7	26 PCB-22	29.51	29.49	6.297e3	5.915e3	1.040	1.06	NO	1440.2	1440.2	MM	bb
8	28 PCB-39	30.60	30.62	2.557e2	1.439e2	1.040	1.78	YES	39.866	0.00000	MM	bb
9	29 PCB-38	31.40	31.40	4.271e2	3.792e2	1.040	1.13	NO	105.19	105.19	MM	MM

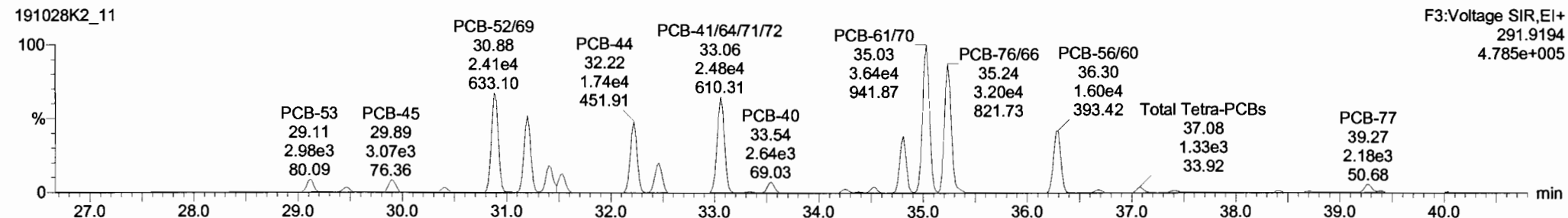
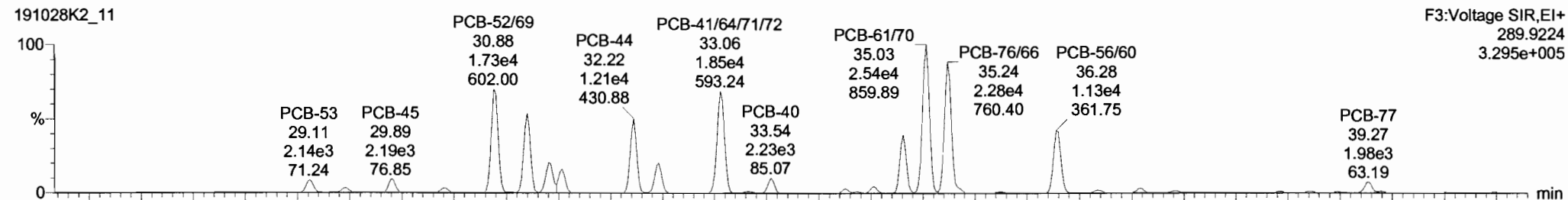


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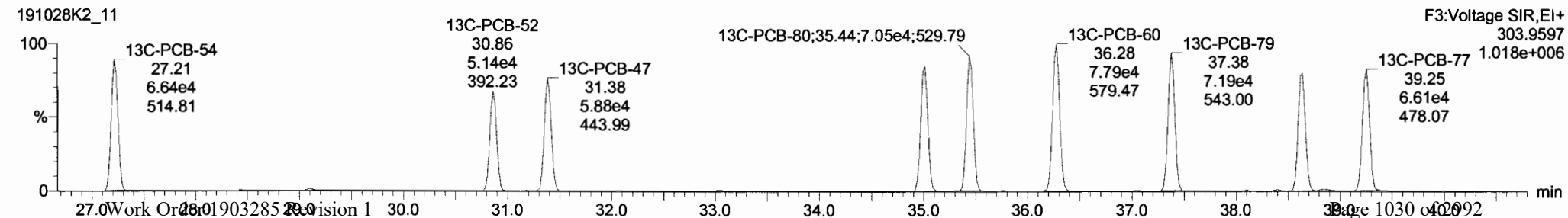
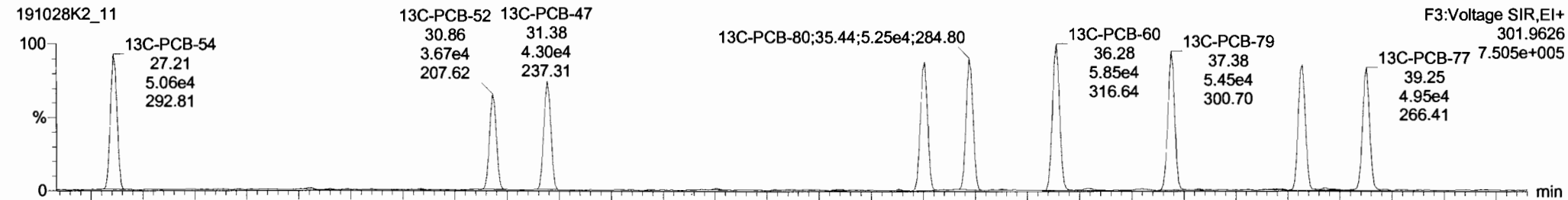
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 Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

PCB-54



13C-PCB-54

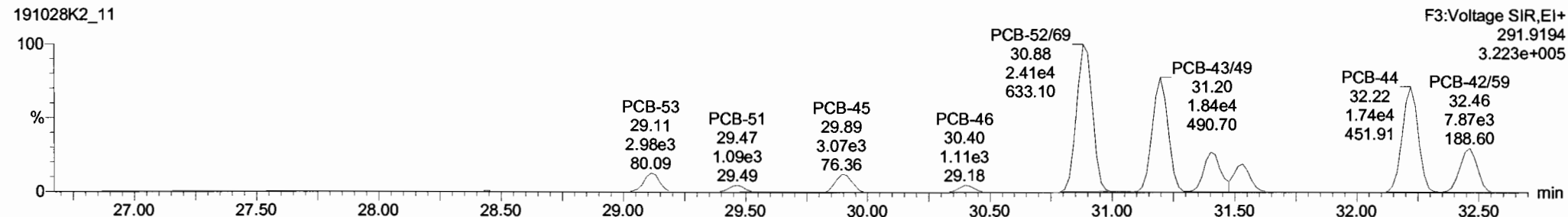
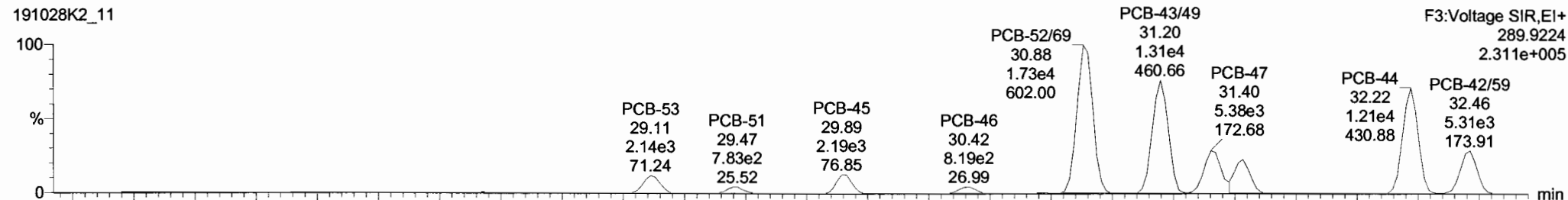


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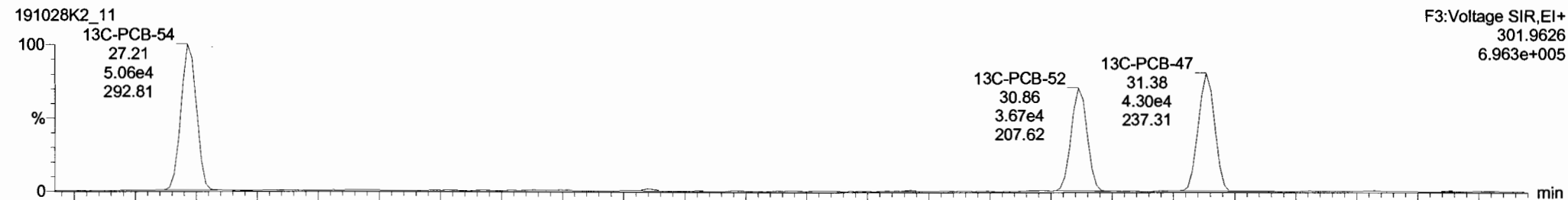
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PCB-50



13C-PCB-52



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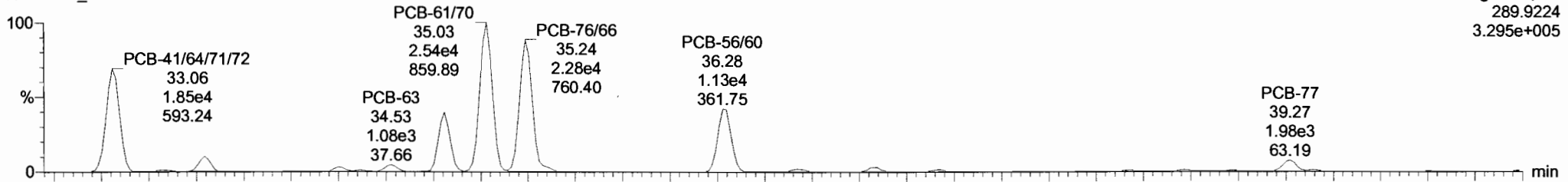
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PCB-68

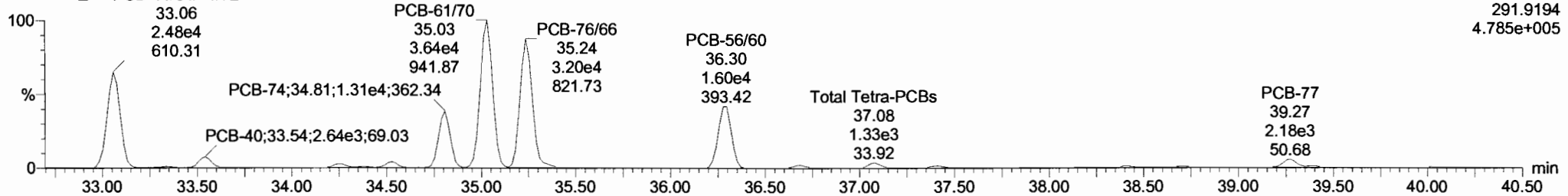
191028K2_11

F3:Voltage SIR,EI+
289.9224
3.295e+005



191028K2_11 PCB-41/64/71/72

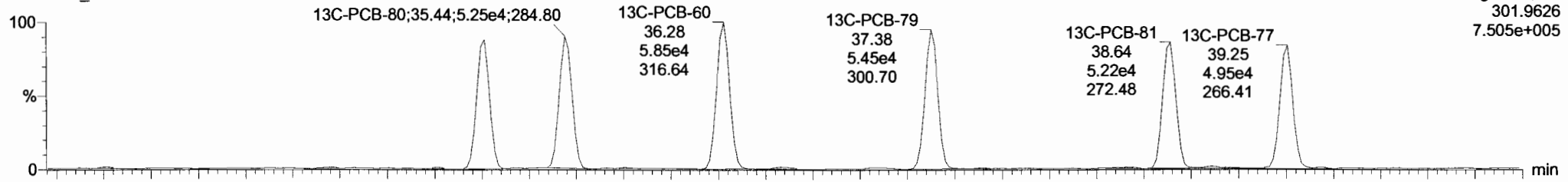
F3:Voltage SIR,EI+
291.9194
4.785e+005



13C-PCB-60

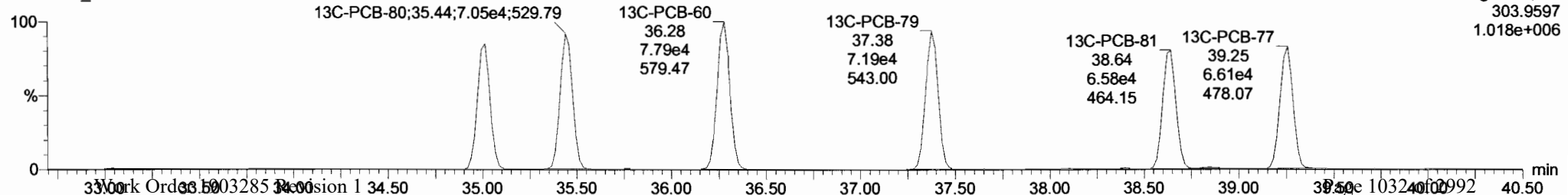
191028K2_11

F3:Voltage SIR,EI+
301.9626
7.505e+005



191028K2_11

F3:Voltage SIR,EI+
303.9597
1.018e+006

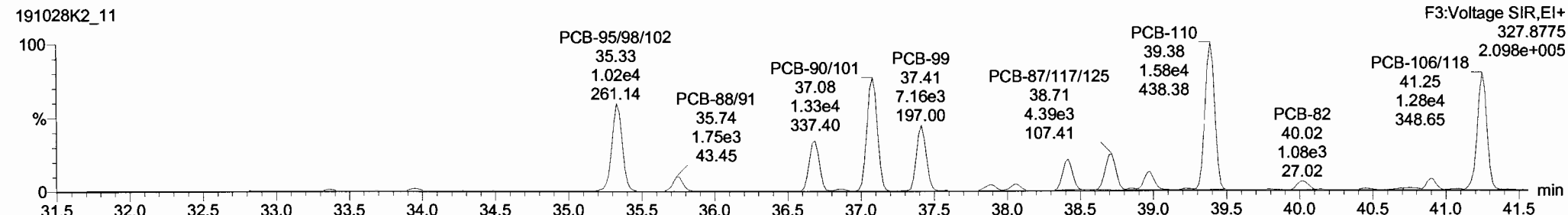
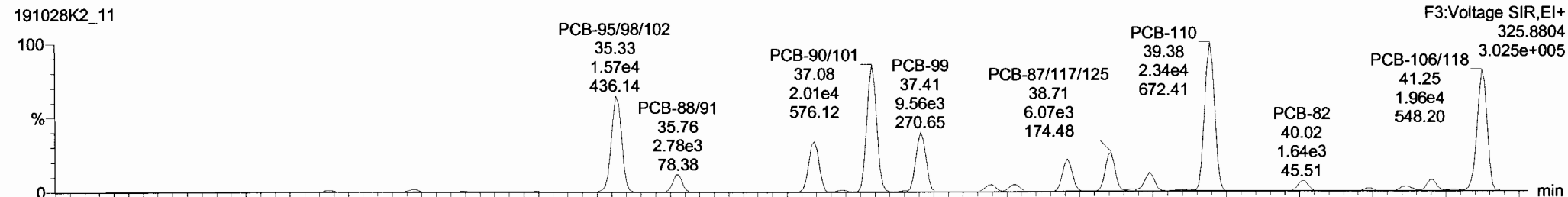


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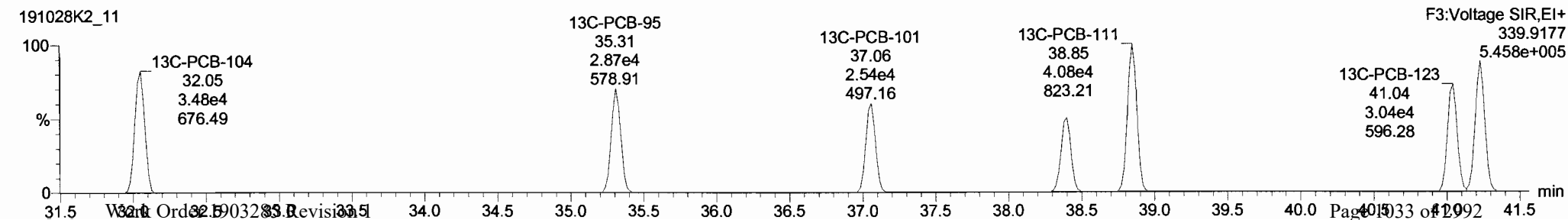
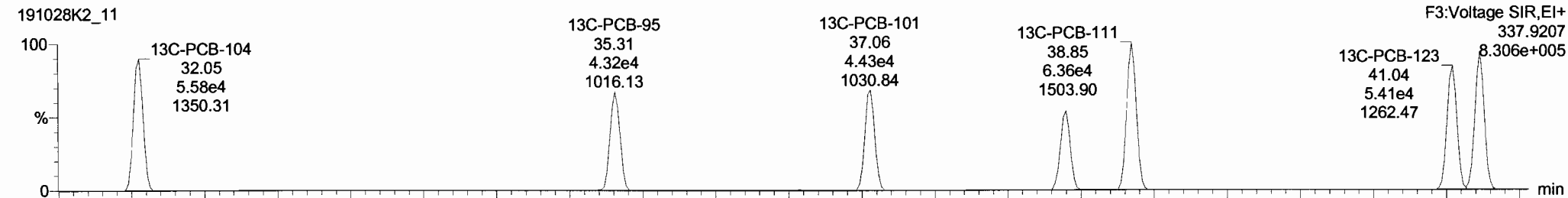
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Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

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PCB-104



13C-PCB-104

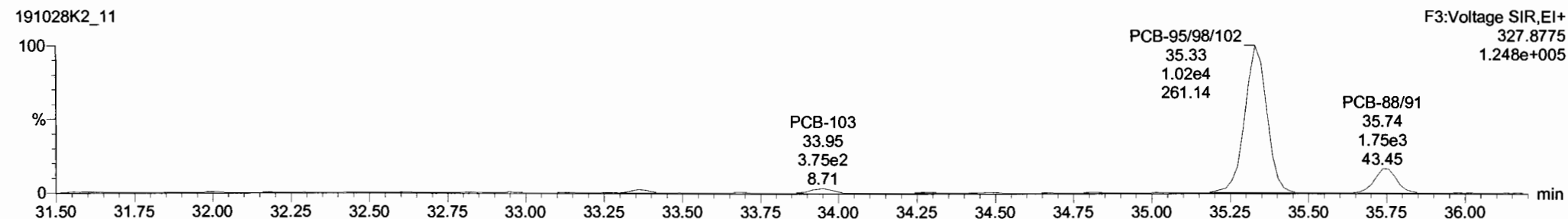
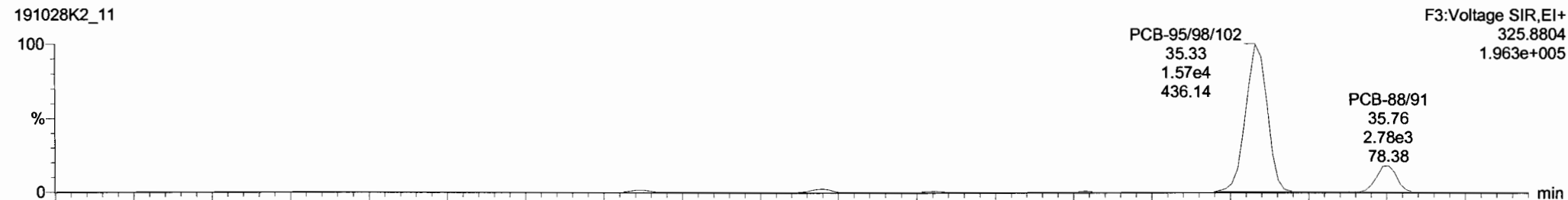


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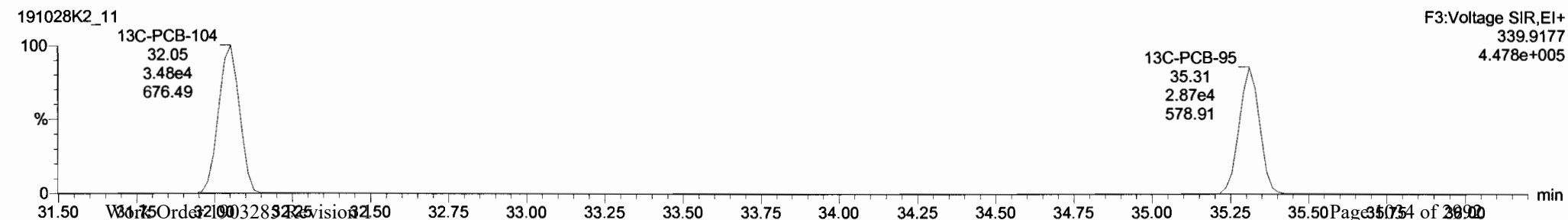
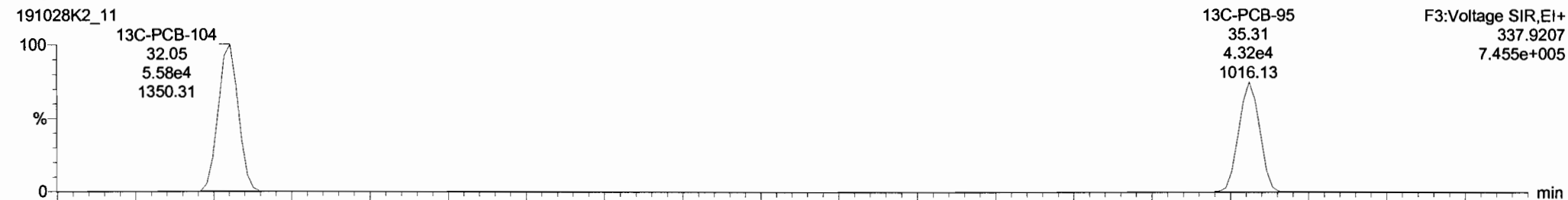
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PCB-96



13C-PCB-95

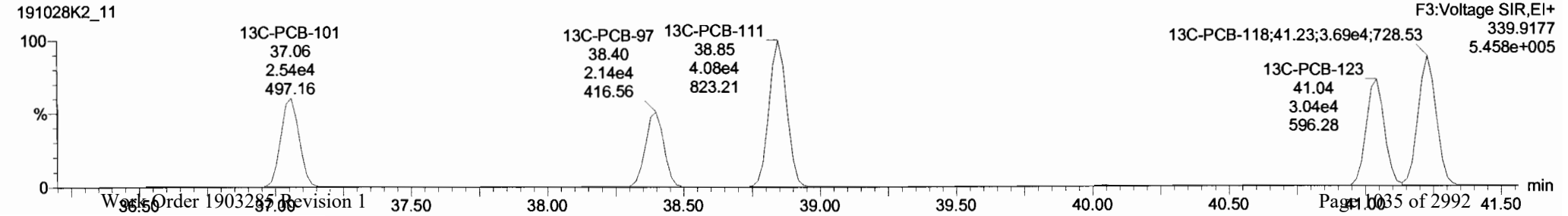
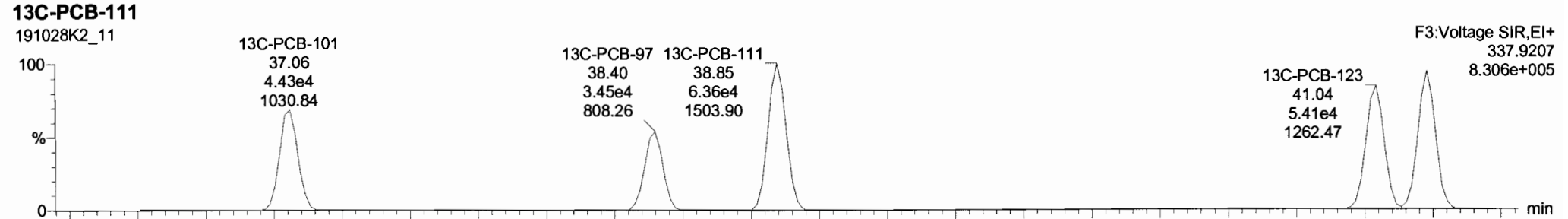
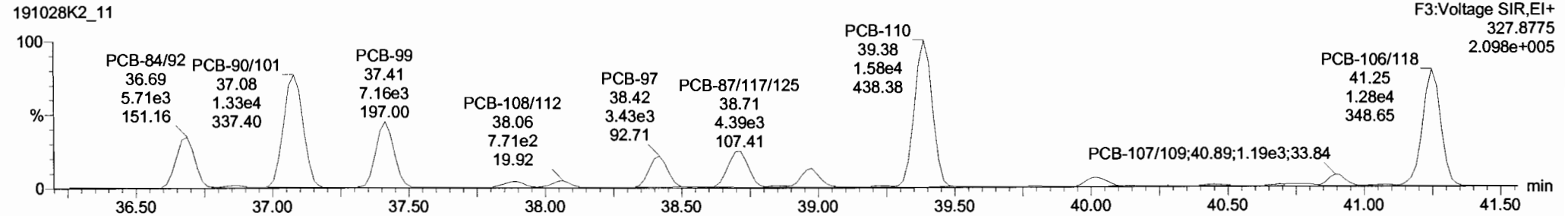
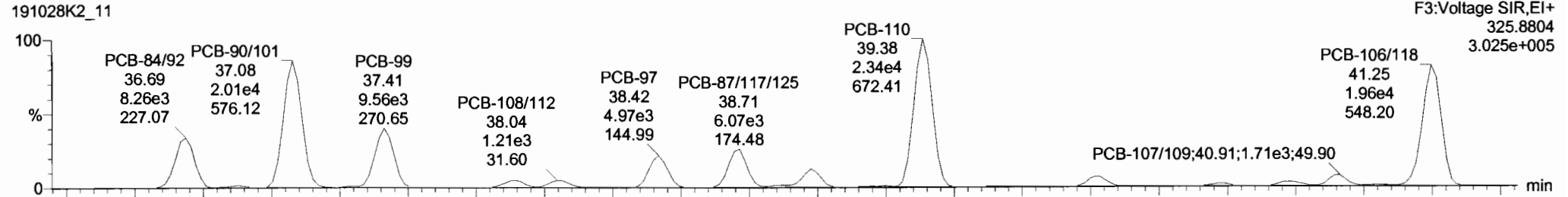


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PCB-119

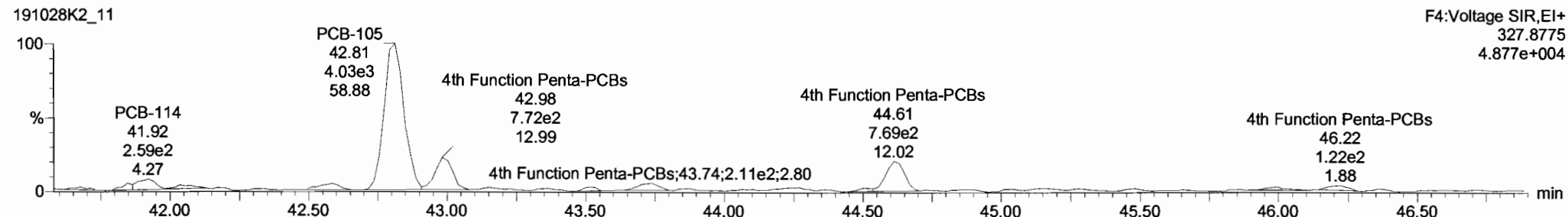
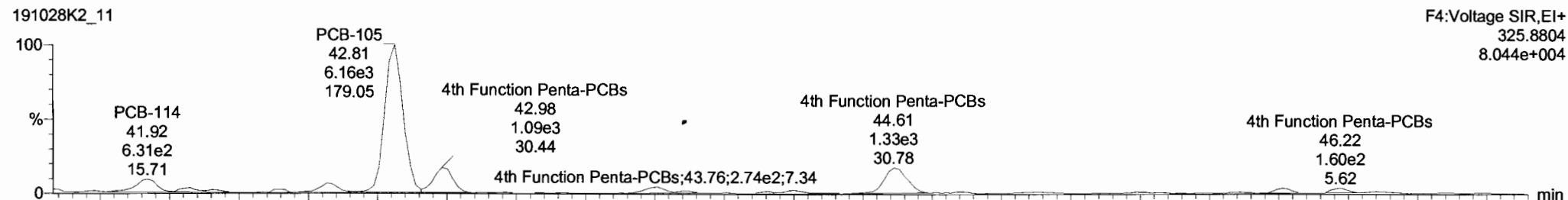


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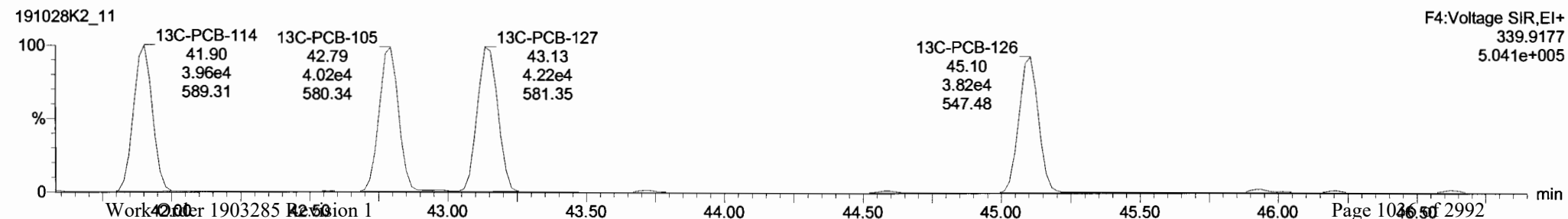
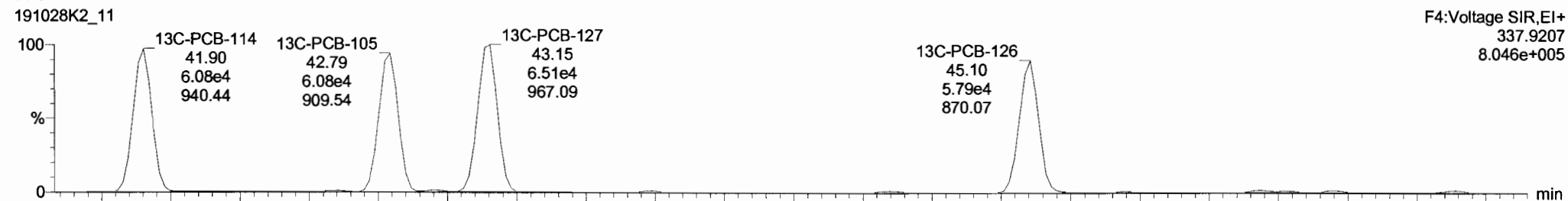
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PCB-114



13C-PCB-114

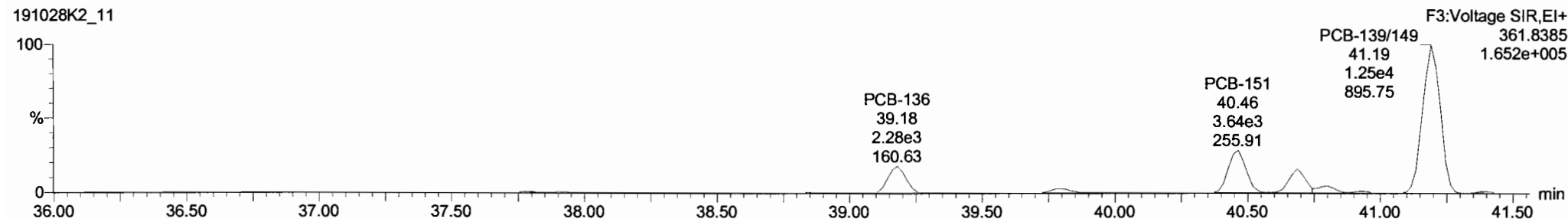
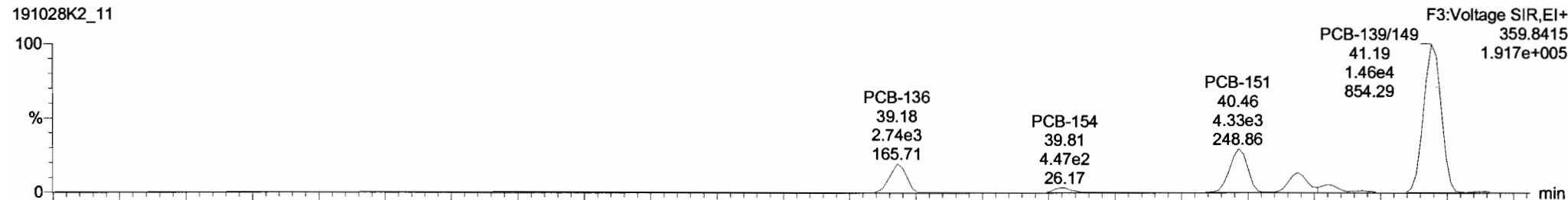


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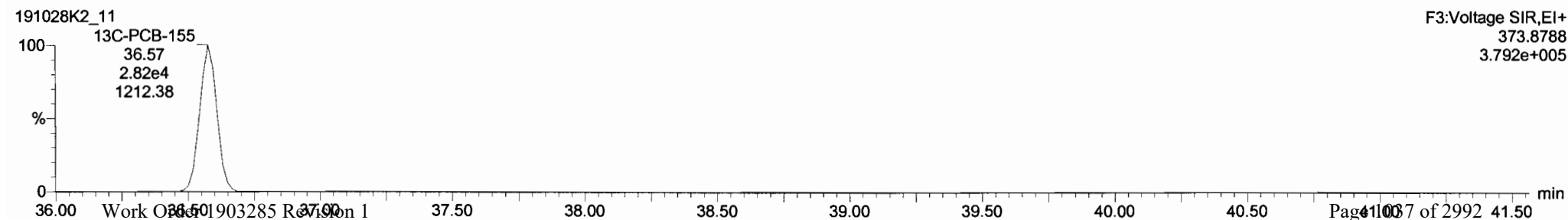
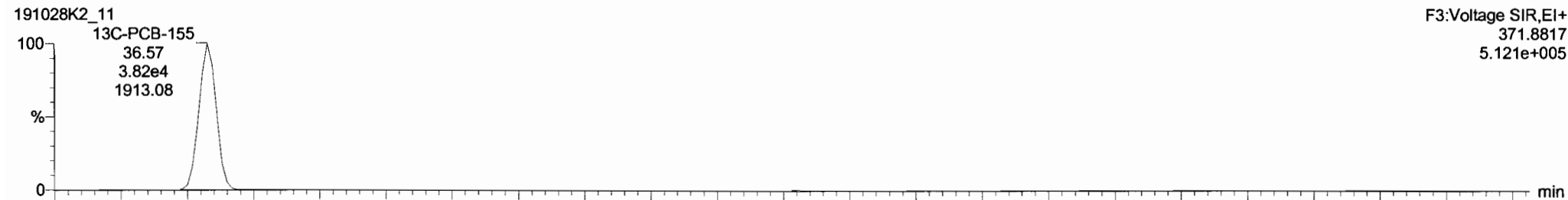
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PCB-155



13C-PCB-155

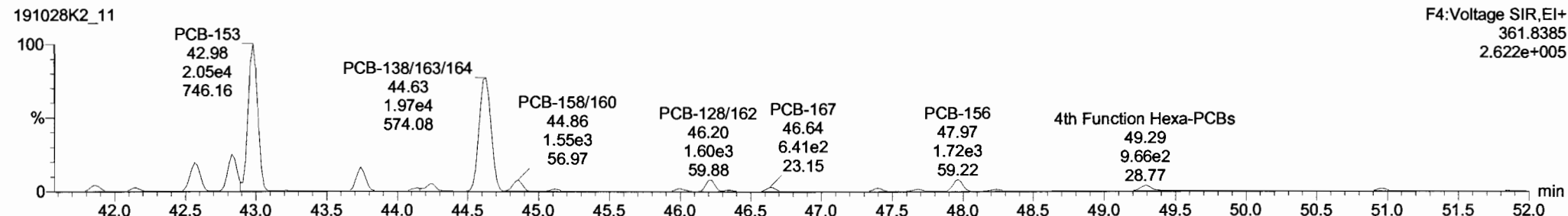
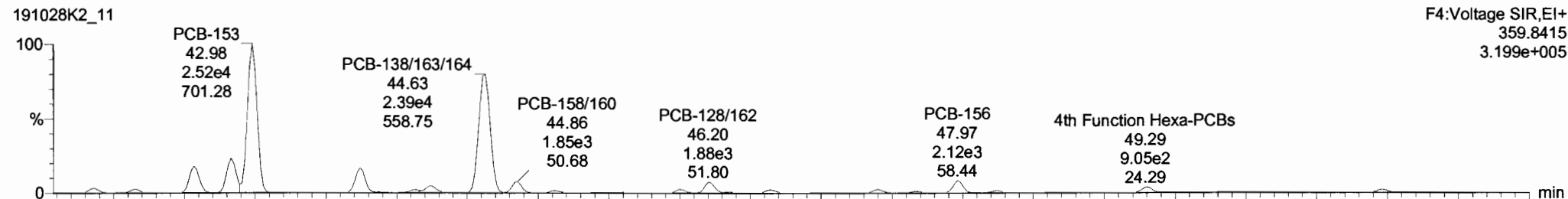


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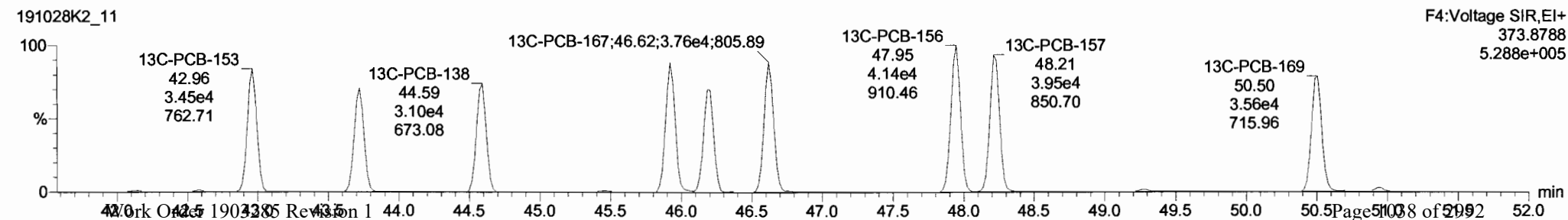
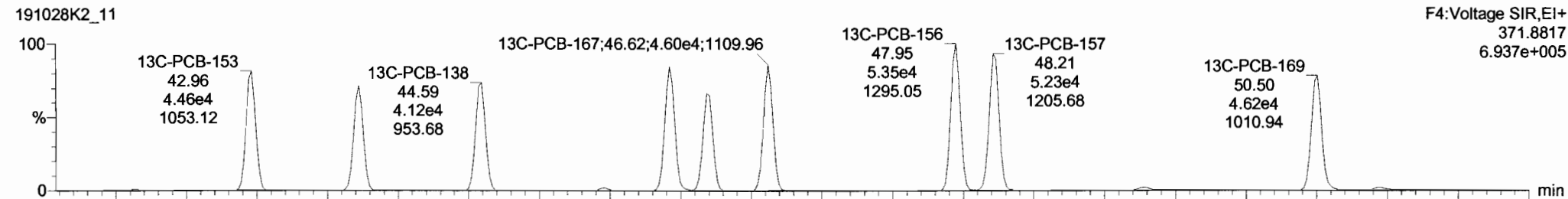
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PCB-134/143



13C-PCB-153



Dataset: Untitled

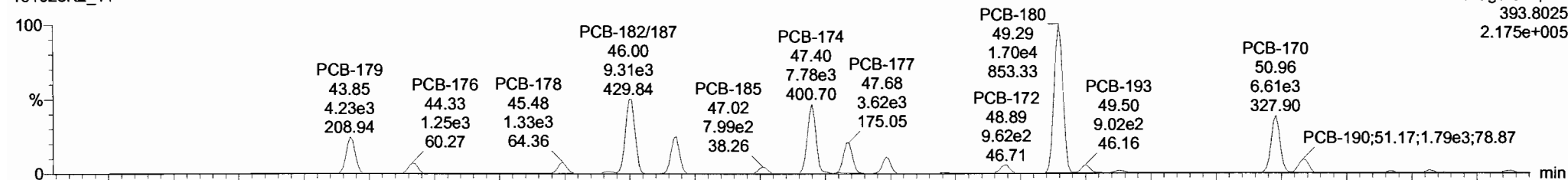
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

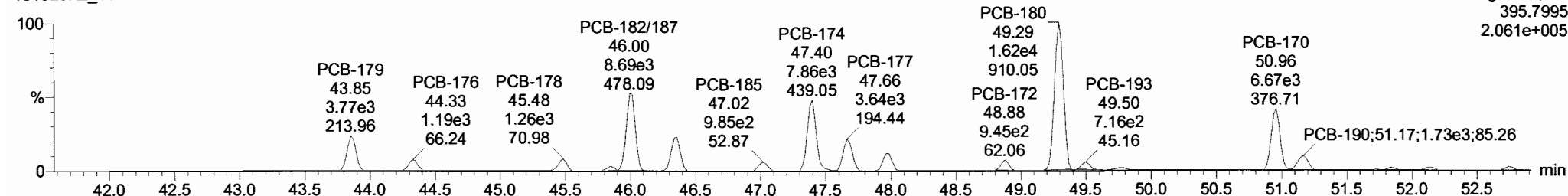
Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

PCB-188

191028K2_11

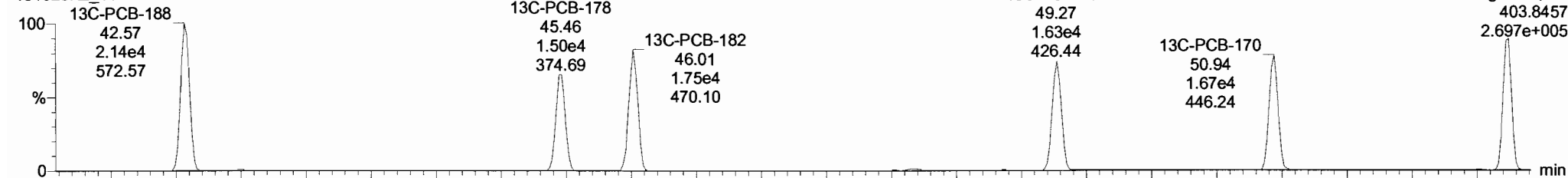


191028K2_11

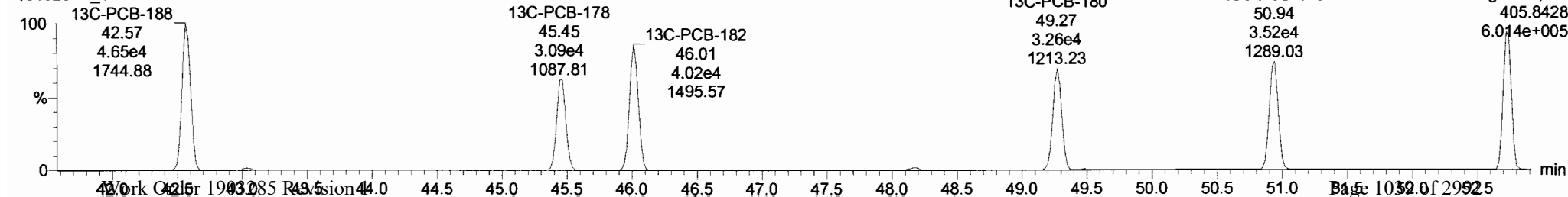


13C-PCB-188

191028K2_11



191028K2_11



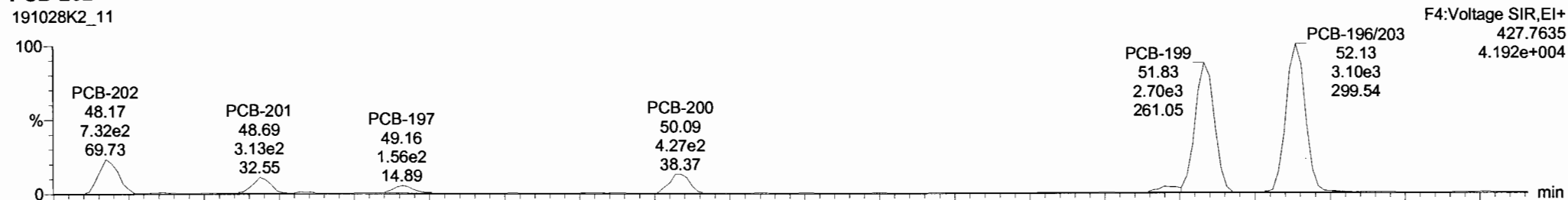
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

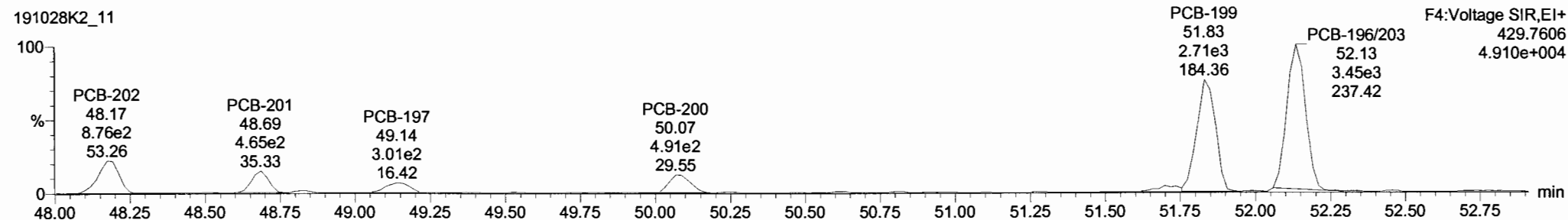
Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

PCB-202

191028K2_11

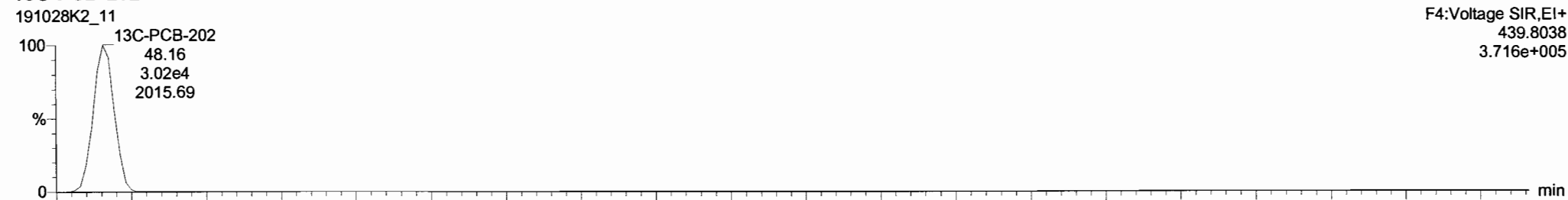


191028K2_11

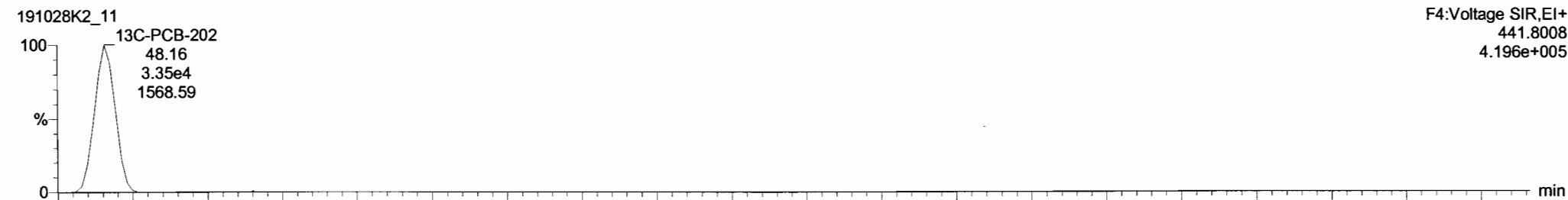


13C-PCB-202

191028K2_11



191028K2_11

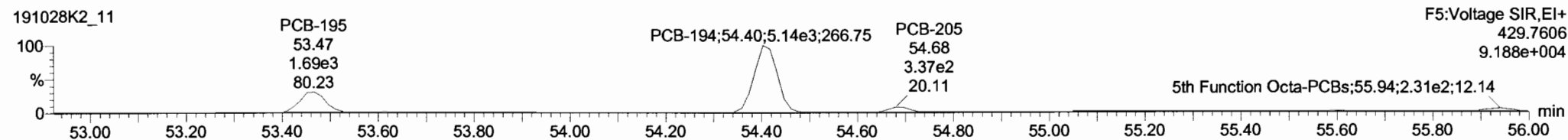
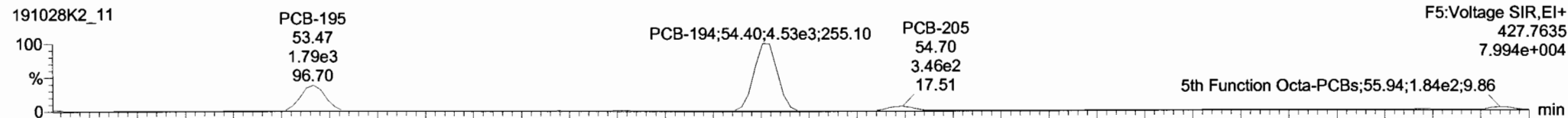


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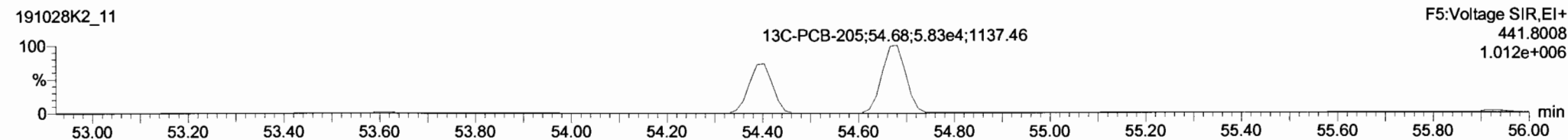
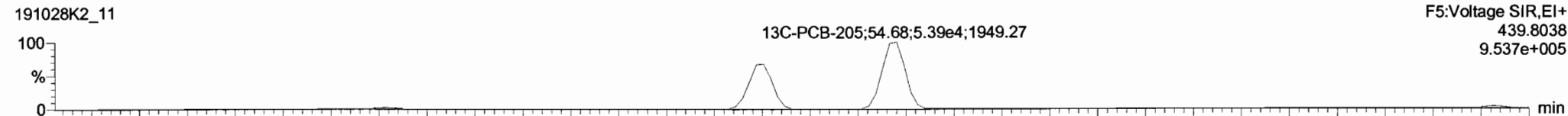
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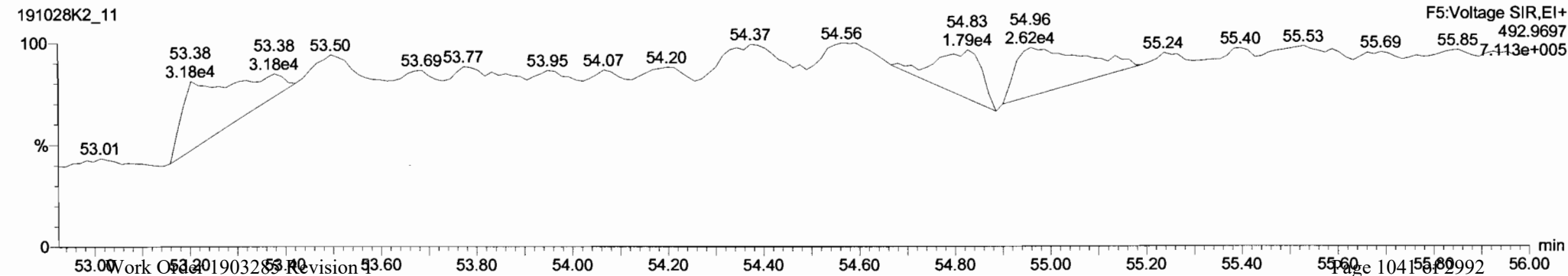
PCB-195



13C-PCB-194



PFK5



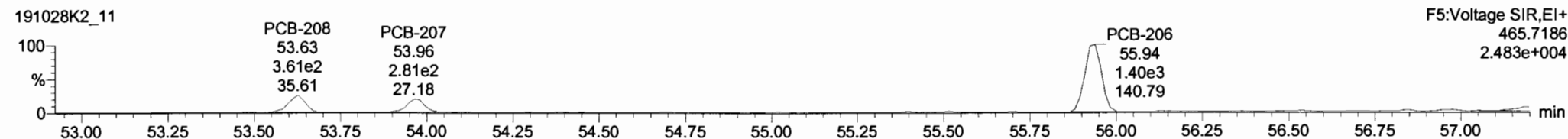
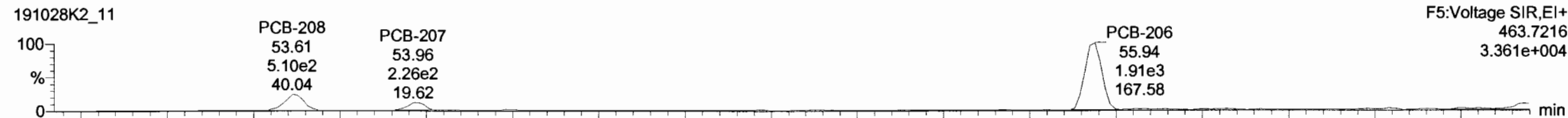
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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

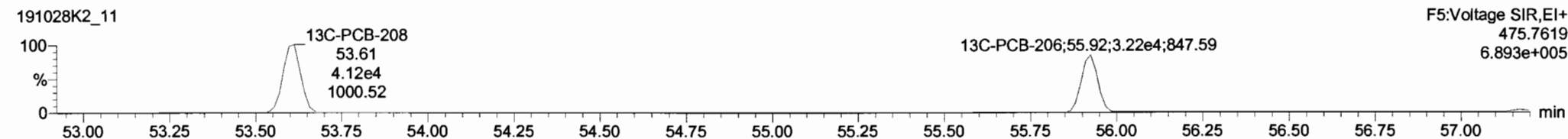
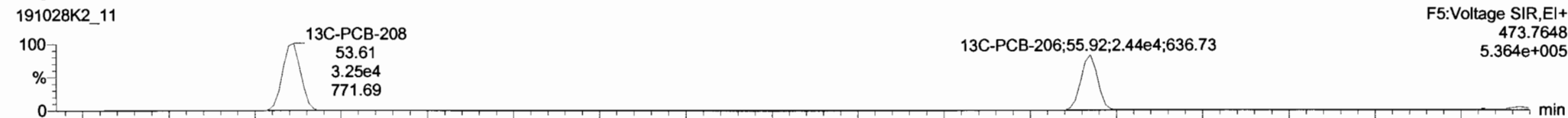
Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

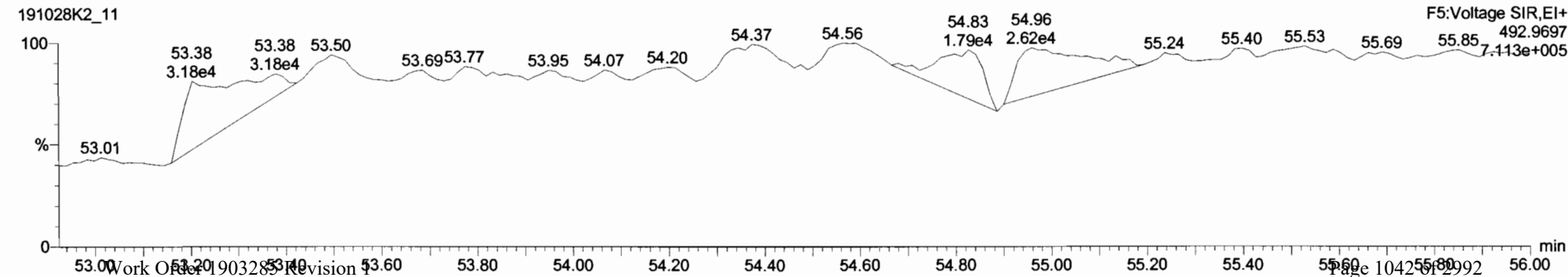
PCB-208



13C-PCB-208



PFK5

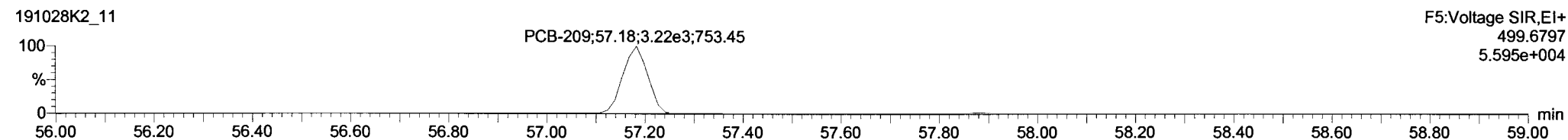
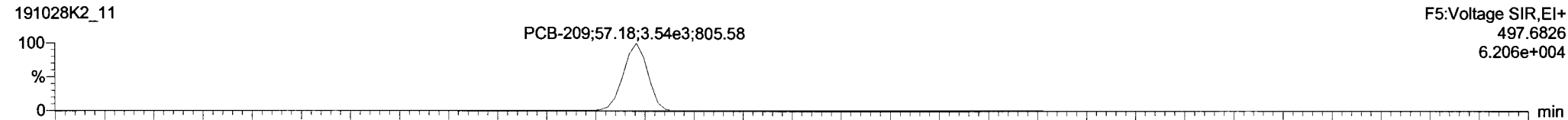


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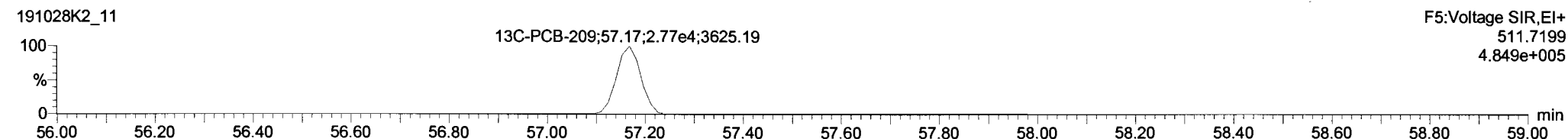
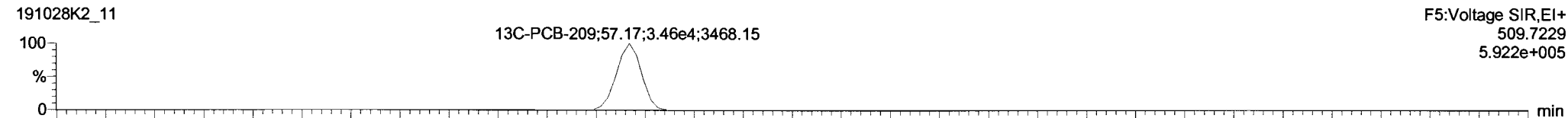
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
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Name: 191028K2_11, Date: 29-Oct-2019, Time: 01:47:16, ID: 1903285-01RE1@20X PDI-014SG-00-0.78-190923 1.88, Description: PDI-014SG-00-0.78-190923

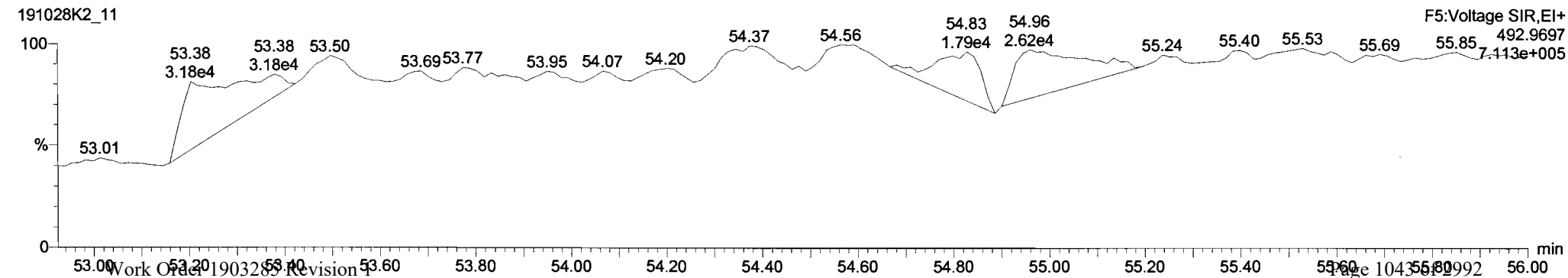
PCB-209



13C-PCB-209



PFK5



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-6.qld

Last Altered: Friday, November 01, 2019 15:15:17 Pacific Daylight Time

Printed: Friday, November 01, 2019 15:56:56 Pacific Daylight Time

EL 11/01/19

HZ 11.4.19

C: 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

#	Name	Abs Resp	RA	n/y	RRF	wLvel	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
1	32 PCB-54	3636.522	0.725	NO	0.996	5.576	27.85	27.85	1.00	1.00	NO	14.75		371	14.75
2	33 PCB-50	5236.441	0.805	NO	0.781	5.576	29.06	29.06	1.04	1.04	NO	27.08		473	27.08
3	34 PCB-53	211221.500	0.721	NO	0.955	5.576	29.67	29.75	0.94	0.95	NO	999.2		511	999.2
4	35 PCB-51				1.02	5.576	30.02		0.95		YES			477	
5	36 PCB-45	212142.117	0.728	NO	0.808	5.576	30.47	30.53	0.97	0.97	NO	1186		604	1186
6	37 PCB-46	58653.764	0.712	NO	0.754	5.576	30.97	31.00	0.99	0.99	NO	351.7		647	351.7
7	38 PCB-52/69	2100854.0...	0.732	NO	1.09	5.576	31.48	31.46	1.00	1.00	NO	8694		447	8694
8	39 PCB-73				1.29	5.576	31.61		1.01		YES			378	
9	40 PCB-43/49	1567885.7...	0.727	NO	0.940	5.576	31.77	31.78	1.01	1.01	NO	7535		519	7535
10	41 PCB-47	637178.594	0.729	NO	0.869	5.576	31.99	32.00	1.00	1.00	NO	3143		662	3143
11	42 PCB-48/75	424001.266	0.742	NO	1.02	5.576	32.10	32.11	1.00	1.00	NO	1773		561	1773
12	43 PCB-65				1.11	5.576	32.37		1.01		YES			519	
13	44 PCB-62				1.07	5.576	32.48		1.02		YES			540	
14	45 PCB-44	1417765.6...	0.727	NO	0.761	5.576	32.82	32.86	1.03	1.03	NO	7983		756	7983
15	46 PCB-42/59	656610.406	0.724	NO	0.960	5.576	33.03	33.12	1.03	1.04	NO	2930		599	2930
16	47 PCB-41/64/71/72	1780483.1...	0.733	NO	1.08	5.576	33.66	33.70	1.05	1.05	NO	7051		531	7051
17	48 PCB-68	16456.227	0.739	NO	1.11	5.576	33.92	33.94	1.06	1.06	NO	63.60		519	63.60
18	49 PCB-40	211917.453	0.734	NO	0.577	5.576	34.15	34.11	1.07	1.07	NO	1575		997	1575
19	50 PCB-57				1.05	5.576	34.71		0.97		YES			858	
20	51 PCB-67	91077.648	0.743	NO	0.993	5.576	35.04	35.13	0.98	0.98	NO	1068		905	1068
21	52 PCB-58				1.11	5.576	35.17		0.98		YES			808	
22	53 PCB-63				0.962	5.576	35.32		0.99		YES			935	
23	54 PCB-74	477088.516	0.710	NO	1.07	5.576	35.62	35.71	0.99	1.00	NO	5211		843	5211
24	55 PCB-61/70	897749.438	0.713	NO	0.986	5.576	35.84	35.82	1.00	1.00	NO	10600		912	10600
25	56 PCB-76/66	782257.813	0.720	NO	1.07	5.576	36.00	35.91	1.00	1.00	NO	8541		843	8541
26	57 PCB-80				1.08	5.576	36.06		1.00		YES			293	
27	58 PCB-55	19161.043	0.767	NO	1.07	5.576	36.38	36.34	1.01	1.01	NO	64.45		297	64.45
28	59 PCB-56/60	1413424.1...	0.725	NO	0.934	5.576	36.89	36.84	1.02	1.02	NO	5435		340	5435
29	60 PCB-79	29010.880	0.727	NO	1.04	5.576	38.02	37.96	1.05	1.05	NO	99.76		304	99.76
30	61 PCB-78	6340.938	0.692	NO	1.03	5.576	38.65	38.59	0.99	0.99	NO	21.50		344	21.50

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-6.qld

Last Altered: Friday, November 01, 2019 15:15:17 Pacific Daylight Time

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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

	Name	Abs Resp	RA	iv	RRT	WC/Vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Cont	%Rec	Cl	EMPG
62	PCB-81	17624.732	0.671	NO	0.933	5.576	39.19	39.22	1.00	1.00	NO	66.10		380	66.10
63	PCB-77	222798.757	0.722	NO	1.03	5.576	39.80	39.80	1.00	1.00	NO	770.1		351	770.1
64	PCB-104				0.995	5.576	32.69		1.00		YES			0.817	
65	PCB-96	19337.289	1.412	NO	0.996	5.576	34.00	33.94	1.04	1.04	NO	95.01		0.816	95.01
66	PCB-103	37997.621	1.602	NO	0.774	5.576	34.56	34.51	1.06	1.06	NO	240.1		1.05	240.1
67	PCB-100	9530.042	1.397	NO	0.778	5.576	34.94	34.94	1.07	1.07	NO	59.96		1.05	59.96
68	PCB-94				0.773	5.576	35.41		0.99		YES			1.01	
69	PCB-95/98/102	1168953.0...	1.500	NO	1.01	5.576	35.88	35.93	1.00	1.00	NO	8667		0.773	8667
70	PCB-93				0.841	5.576	36.01		1.00		YES			0.932	
71	PCB-88/91	232011.812	1.537	NO	0.890	5.576	36.36	36.32	1.01	1.01	NO	1962		0.882	1962
72	PCB-121				1.39	5.576	36.45		1.01		YES			0.566	
73	PCB-84/92	743006.219	1.474	NO	0.879	5.576	37.24	37.23	0.99	0.99	NO	4810		0.893	4810
74	PCB-89	28651.627	1.478	NO	0.959	5.576	37.45	37.40	1.00	0.99	NO	169.8		0.818	169.8
75	PCB-90/101	1874774.1...	1.496	NO	0.944	5.576	37.62	37.62	1.00	1.00	NO	11300		0.831	11300
76	PCB-113				1.23	5.576	37.87		1.01		YES			0.638	
77	PCB-99	888437.219	1.507	NO	1.12	5.576	37.97	37.94	1.01	1.01	NO	4516		0.701	4516
78	PCB-119	83405.496	1.515	NO	1.47	5.576	38.40	38.42	0.99	0.99	NO	372.7		0.626	372.7
79	PCB-108/112	89077.894	1.477	NO	1.25	5.576	38.56	38.59	0.99	0.99	NO	468.8		0.737	468.8
80	PCB-83	647.824	1.269	YES	1.55	5.576	38.73	38.74	1.00	1.00	NO	2.754		0.595	2.527
81	PCB-97	467258.235	1.517	NO	1.07	5.576	38.95	38.94	1.00	1.00	NO	2858		0.857	2858
82	PCB-86	7080.049	1.261	YES	0.996	5.576	39.09	39.13	1.00	1.01	NO	46.76		0.925	42.79
83	PCB-87/117/125	533306.797	1.498	NO	1.33	5.576	39.20	39.22	1.01	1.01	NO	2631		0.691	2631
84	PCB-111/115	24518.315	1.539	NO	1.60	5.576	39.37	39.39	1.01	1.01	NO	100.7		0.575	100.7
85	PCB-85/116	248374.789	1.517	NO	1.22	5.576	39.49	39.48	1.02	1.01	NO	1343		0.758	1343
86	PCB-120	19680.602	1.614	NO	1.68	5.576	39.76	39.80	1.02	1.02	NO	76.98		0.548	76.98
87	PCB-110	2064906.7...	1.517	NO	1.49	5.576	39.91	39.91	1.03	1.03	NO	9138		0.620	9138
88	PCB-82	148479.059	1.517	NO	0.674	5.576	40.52	40.53	0.98	0.98	NO	1096		0.997	1096
89	PCB-124	54606.353	1.475	NO	1.16	5.576	41.26	41.25	0.99	0.99	NO	233.7		0.578	233.7
90	PCB-107/109	152627.089	1.494	NO	1.17	5.576	41.40	41.42	1.00	1.00	NO	651.5		0.576	651.5
91	PCB-123	19793.027	1.401	NO	1.04	5.576	41.57	41.59	1.00	1.00	NO	94.63		0.646	94.63
92	PCB-106/118	1561677.6...	1.510	NO	1.07	5.576	41.77	41.77	1.00	1.00	NO	7063		0.622	7063
93	PCB-114	42567.980	1.599	NO	1.16	5.576	42.44	42.43	1.00	1.00	NO	144.2		1.29	144.2
94	PCB-122	19170.620	1.615	NO	0.973	5.576	42.56	42.57	1.00	1.00	NO	77.56		1.54	77.56
95	PCB-105	578253.188	1.568	NO	1.10	5.576	43.30	43.30	1.00	1.00	NO	2016		1.31	2016

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-6.qld

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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

	Name	Abs Resp	RA	NY	RRF	wLvol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPG
65	96 PCB-127				1.11	5.576	43.68		1.00		YES			1.36	
65	97 PCB-126	7649.542	1.552	NO	1.21	5.576	45.65	45.65	1.00	1.00	NO	28.31		1.30	28.31
67	98 PCB-155				0.874	5.576	37.14		1.00		YES			0.577	
69	99 PCB-150	2966.777	1.374	NO	0.881	5.576	38.45	38.42	1.04	1.04	NO	21.23		0.572	21.23
69	100 PCB-152	1138.234	1.230	NO	1.00	5.576	38.94	38.89	1.05	1.05	NO	7.143		0.502	7.143
69	101 PCB-145	579.407	1.464	YES	1.00	5.576	39.38	39.33	1.06	1.06	NO	3.653		0.504	3.322
69	102 PCB-136	275757.375	1.257	NO	0.843	5.576	39.74	39.69	1.07	1.07	NO	2061		0.597	2061
69	103 PCB-148	3695.676	1.299	NO	0.693	5.576	39.85	39.82	1.07	1.07	NO	33.60		0.727	33.60
69	104 PCB-154	38039.986	1.191	NO	0.724	5.576	40.34	40.32	1.09	1.09	NO	331.2		0.696	331.2
69	105 PCB-151	409306.843	1.231	NO	0.632	5.576	41.02	40.97	1.11	1.10	NO	4082		0.797	4082
69	106 PCB-135	200271.079	1.245	NO	0.716	5.576	41.24	41.20	1.11	1.11	NO	1763		0.704	1763
69	107 PCB-144	68120.256	1.245	NO	0.667	5.576	41.35	41.31	1.11	1.11	NO	644.2		0.756	644.2
69	108 PCB-147	15720.342	1.186	NO	0.661	5.576	41.47	41.44	1.12	1.12	NO	149.9		0.762	149.9
69	109 PCB-139/149	1309866.0...	1.235	NO	0.738	5.576	41.76	41.70	1.13	1.12	NO	11180		0.682	11180
69	110 PCB-140	13037.382	1.271	NO	0.627	5.576	41.95	41.90	1.13	1.13	NO	131.0		0.803	131.0
69	111 PCB-134/143	91881.336	1.180	NO	0.733	5.576	42.37	42.36	0.97	0.97	NO	578.8		2.79	578.8
69	112 PCB-131/133	59762.064	1.130	NO	0.790	5.576	42.65	42.66	0.98	0.98	NO	349.4		2.59	349.4
69	113 PCB-142	1966.403	1.145	NO	0.708	5.576	42.80	42.79	0.99	0.98	NO	12.83		2.89	12.83
69	114 PCB-146/165	500742.812	1.186	NO	0.959	5.576	43.06	43.08	0.99	0.99	NO	2411		2.13	2411
69	115 PCB-132/161	663249.282	1.241	NO	0.974	5.576	43.29	43.32	1.00	1.00	NO	3144		2.10	3144
69	116 PCB-153	2717774.6...	1.166	NO	1.01	5.576	43.47	43.47	1.00	1.00	NO	12400		2.02	12400
69	117 PCB-168	4202.280	0.941	YES	1.02	5.576	43.70	43.70	1.01	1.01	NO	19.04		2.01	16.68
69	118 PCB-141	427060.172	1.201	NO	0.967	5.576	44.23	44.25	1.00	1.00	NO	2503		2.86	2503
69	119 PCB-137	49064.314	1.406	NO	0.987	5.576	44.61	44.67	1.01	1.01	NO	281.7		2.80	281.7
69	120 PCB-130	121077.797	1.105	NO	0.840	5.576	44.73	44.76	1.01	1.01	NO	816.9		3.29	816.9
69	121 PCB-138/163/164	2415542.3...	1.184	NO	1.23	5.576	45.16	45.16	1.00	1.00	NO	11020		2.04	11020
69	122 PCB-158/160	202986.578	1.195	NO	1.18	5.576	45.41	45.39	1.01	1.01	NO	963.6		2.12	963.6
69	123 PCB-129	41924.578	1.205	NO	0.819	5.576	45.66	45.63	1.01	1.01	NO	286.2		3.05	286.2
69	124 PCB-166	6343.746	1.099	NO	1.07	5.576	46.10	46.09	0.99	0.99	NO	27.13		1.88	27.13
69	125 PCB-159	47021.336	1.223	NO	1.12	5.576	46.43	46.49	1.00	1.00	NO	192.1		1.80	192.1
69	126 PCB-128/162	218391.719	1.174	NO	0.851	5.576	46.72	46.69	1.01	1.01	NO	1174		2.37	1174
69	127 PCB-167	69757.926	1.206	NO	1.04	5.576	47.13	47.13	1.00	1.00	NO	307.8		1.91	307.8
69	128 PCB-156	192962.305	1.185	NO	1.06	5.576	48.46	48.46	1.00	1.00	NO	873.7		2.02	873.7
69	129 PCB-157	25560.769	1.182	NO	0.978	5.576	48.74	48.72	1.00	1.00	NO	123.9		2.15	123.9

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-6.qld

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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

Q	Name	Abs Resp	RA	n/y	RRF	w/Vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	WRec	DL	EMPG
99	130 PCB-169				1.11	5.576	51.00		1.00		YES			2.15	
100	131 PCB-188	1281.422	1.599	YES	1.19	5.576	43.10	43.10	1.00	1.00	NO	6.132		1.11	4.837
101	132 PCB-184	746.561	1.286	YES	1.17	5.576	43.54	43.55	1.01	1.01	NO	3.654		1.14	3.276
102	133 PCB-179	478961.719	1.036	NO	1.18	5.576	44.35	44.35	1.03	1.03	NO	2325		1.13	2325
103	134 PCB-176	142812.282	1.020	NO	1.16	5.576	44.82	44.84	1.04	1.04	NO	703.3		1.14	703.3
104	135 PCB-186	970.635	1.224	YES	1.22	5.576	45.43	45.46	1.06	1.06	NO	4.550		1.09	4.195
105	136 PCB-178	150909.531	1.047	NO	0.830	5.576	45.94	45.98	1.07	1.07	NO	1038		1.59	1038
106	137 PCB-175	30193.689	1.038	NO	0.849	5.576	46.30	46.32	1.08	1.08	NO	203.2		1.56	203.2
107	138 PCB-182/187	1051416.8...	1.025	NO	0.960	5.576	46.50	46.49	1.08	1.08	NO	6253		1.38	6253
108	139 PCB-183	468597.047	1.026	NO	0.957	5.576	46.83	46.83	1.09	1.09	NO	2797		1.38	2797
109	140 PCB-185	88925.769	1.024	NO	1.32	5.576	47.50	47.51	0.95	0.96	NO	565.5		1.54	565.5
110	141 PCB-174	777071.406	1.033	NO	1.22	5.576	47.87	47.87	0.96	0.96	NO	5350		1.67	5350
111	142 PCB-181	12017.295	1.034	NO	1.41	5.576	47.97	47.96	0.96	0.96	NO	71.29		1.44	71.29
112	143 PCB-177	425650.641	1.052	NO	1.24	5.576	48.15	48.15	0.97	0.97	NO	2879		1.64	2879
113	144 PCB-171	187148.000	1.025	NO	1.24	5.576	48.44	48.44	0.97	0.97	NO	1264		1.64	1264
114	145 PCB-173	13339.213	0.954	NO	1.14	5.576	48.88	48.89	0.98	0.98	NO	98.06		1.79	98.06
115	146 PCB-172	113237.550	1.028	NO	1.31	5.576	49.36	49.37	0.99	0.99	NO	726.9		1.56	726.9
116	147 PCB-192				1.70	5.576	49.56		1.00		YES			1.20	
117	148 PCB-180	1741982.8...	1.030	NO	1.32	5.576	49.76	49.78	1.00	1.00	NO	11070		1.54	11070
118	149 PCB-193	97085.453	1.043	NO	1.54	5.576	49.99	49.97	1.00	1.00	NO	529.2		1.32	529.2
119	150 PCB-191	31065.104	1.006	NO	1.57	5.576	50.24	50.24	1.01	1.01	NO	165.7		1.30	165.7
120	151 PCB-170	592091.188	1.026	NO	1.36	5.576	51.43	51.43	1.00	1.00	NO	4398		1.74	4398
121	152 PCB-190	156148.985	1.025	NO	1.84	5.576	51.62	51.64	1.00	1.00	NO	856.9		1.29	856.9
122	153 PCB-189	24966.424	0.996	NO	1.33	5.576	53.16	53.16	1.00	1.00	NO	155.5		1.27	155.5
123	154 PCB-202	66642.785	0.889	NO	1.02	5.576	48.67	48.65	1.00	1.00	NO	439.7		1.13	439.7
124	155 PCB-201	52435.756	0.900	NO	0.915	5.576	49.15	49.16	1.01	1.01	NO	387.1		1.27	387.1
125	156 PCB-204	830.130	0.822	NO	0.979	5.576	49.30	49.33	1.01	1.01	NO	5.729		1.18	5.729
126	157 PCB-197	16340.748	0.887	NO	0.979	5.576	49.62	49.63	1.02	1.02	NO	112.8		1.18	112.8
127	158 PCB-200	49319.002	0.897	NO	0.954	5.576	50.57	50.54	1.04	1.04	NO	349.2		1.21	349.2
128	159 PCB-198	13326.750	0.649	YES	0.748	5.576	52.12	52.13	1.07	1.07	NO	120.3		1.55	100.6
129	160 PCB-199	280531.687	0.900	NO	0.706	5.576	52.25	52.25	1.07	1.07	NO	2685		1.64	2685
130	161 PCB-196/203	331680.547	0.844	NO	0.785	5.576	52.56	52.55	1.08	1.08	NO	2856		1.48	2856
131	162 PCB-195	140077.086	0.873	NO	1.03	5.576	53.86	53.84	0.98	0.98	NO	1022		1.69	1022
132	163 PCB-194	356709.218	0.897	NO	1.16	5.576	54.78	54.78	1.00	1.00	NO	2327		1.51	2327

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-6.qld

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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

	Name	Abn Resp	RA	IV	RRF	Meas	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	Yield	DL	EMPG
164	PCB-205	18695.671	0.938	NO	1.40	5.576	55.04	55.04	1.01	1.01	NO	100.7		1.25	100.7
165	PCB-208	35023.231	1.265	NO	0.934	5.576	54.00	54.00	1.00	1.00	NO	229.9		1.05	229.9
166	PCB-207	22443.580	1.332	NO	0.912	5.576	54.32	54.34	1.01	1.01	NO	150.9		1.07	150.9
167	PCB-206	93890.718	1.300	NO	0.987	5.576	56.30	56.30	1.00	1.00	NO	941.6		1.47	941.6
168	PCB-209	95762.933	1.192	NO	0.943	5.576	57.53	57.54	1.00	1.00	NO	1015		1.47	1015
178	13C-PCB-54	443957.829	0.764	NO	1.10	5.576	27.83	27.83	0.76	0.76	NO	1139	63.5	1.25	
179	13C-PCB-52	396933.156	0.736	NO	0.844	5.576	31.41	31.44	0.85	0.85	NO	1325	73.9	1.63	
180	13C-PCB-47	418568.969	0.737	NO	0.893	5.576	31.93	31.97	0.87	0.87	NO	1321	73.6	1.54	
181	13C-PCB-70	154052.836	0.769	NO	1.01	5.576	35.82	35.82	0.97	0.97	NO	430.9	24.0	1.36	
182	13C-PCB-80	499081.953	0.743	NO	1.05	5.576	36.00	36.04	0.98	0.98	NO	1345	75.0	1.31	
183	13C-PCB-81	512462.094	0.757	NO	0.985	5.576	39.22	39.17	1.06	1.06	NO	1466	81.8	1.40	
184	13C-PCB-77	502362.094	0.752	NO	0.958	5.576	39.83	39.78	1.08	1.08	NO	1477	82.4	1.43	
185	13C-PCB-104	366556.203	1.599	NO	1.10	5.576	32.55	32.67	0.83	0.83	NO	1315	73.4	0.996	
186	13C-PCB-95	238345.383	1.631	NO	0.852	5.576	35.82	35.93	0.91	0.91	NO	1101	61.4	1.28	
187	13C-PCB-101	315350.414	1.670	NO	0.814	5.576	37.57	37.60	0.95	0.96	NO	1526	85.1	1.34	
188	13C-PCB-97	272761.641	1.618	NO	0.709	5.576	38.92	38.91	0.99	0.99	NO	1514	84.4	1.54	
189	13C-PCB-123	360242.079	1.589	NO	0.922	5.576	41.58	41.55	1.06	1.06	NO	1539	85.8	1.19	
190	13C-PCB-118	370572.859	1.643	NO	0.975	5.576	41.75	41.74	1.06	1.06	NO	1496	83.4	1.12	
191	13C-PCB-114	455739.922	1.532	NO	1.52	5.576	42.37	42.41	0.91	0.91	NO	1606	89.5	2.15	
192	13C-PCB-105	467127.672	1.503	NO	1.58	5.576	43.26	43.28	0.93	0.93	NO	1579	88.1	2.06	
193	13C-PCB-127	482646.875	1.508	NO	1.62	5.576	43.60	43.66	0.93	0.94	NO	1593	88.9	2.01	
194	13C-PCB-126	399553.719	1.515	NO	1.45	5.576	45.58	45.63	0.98	0.98	NO	1480	82.5	2.26	
195	13C-PCB-155	284491.953	1.300	NO	1.03	5.576	37.11	37.12	0.94	0.94	NO	1092	60.9	0.853	
196	13C-PCB-153	388202.297	1.240	NO	1.42	5.576	43.44	43.46	0.93	0.93	NO	1460	81.4	2.64	
197	13C-PCB-141	316381.375	1.278	NO	1.14	5.576	44.19	44.21	0.95	0.95	NO	1482	82.7	3.29	
198	13C-PCB-138	320628.922	1.310	NO	1.18	5.576	45.08	45.12	0.97	0.97	NO	1455	81.1	3.18	
199	13C-PCB-159	392231.953	1.284	NO	1.43	5.576	46.39	46.41	0.99	0.99	NO	1465	81.7	2.62	
200	13C-PCB-167	389904.687	1.260	NO	1.42	5.576	47.11	47.11	1.01	1.01	NO	1466	81.7	2.64	
201	13C-PCB-156	374756.547	1.280	NO	1.40	5.576	48.41	48.44	1.04	1.04	NO	1436	80.1	2.69	
202	13C-PCB-157	378328.359	1.250	NO	1.41	5.576	48.71	48.70	1.04	1.04	NO	1440	80.3	2.67	
203	13C-PCB-169	334720.937	1.261	NO	1.35	5.576	50.98	50.98	1.09	1.09	NO	1331	74.2	2.79	
204	13C-PCB-188	314076.351	0.453	NO	1.46	5.576	43.07	43.06	0.93	0.93	NO	1410	78.6	2.67	
205	13C-PCB-180	213714.812	0.458	NO	0.932	5.576	49.75	49.74	1.07	1.07	NO	1505	84.0	4.20	
206	13C-PCB-170	177389.547	0.470	NO	0.796	5.576	51.42	51.41	1.11	1.11	NO	1464	81.6	4.92	

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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

#	Name	Abs Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc.	% Rec	DI	EMP
187	207 13C-PCB-189	216097.094	0.447	NO	1.09	5.576	53.14	53.14	1.14	1.14	NO	1301	72.6	3.59	
188	208 13C-PCB-202	265425.445	0.948	NO	1.45	5.576	48.64	48.63	1.04	1.04	NO	1201	67.0	1.16	
189	209 13C-PCB-194	237758.281	0.867	NO	0.714	5.576	54.77	54.76	1.00	0.99	NO	1699	94.8	1.97	
	210 13C-PCB-208	292378.813	0.789	NO	0.896	5.576	54.02	53.99	0.98	0.98	NO	1664	92.8	1.77	
	211 13C-PCB-206	181071.992	0.792	NO	0.653	5.576	56.28	56.28	1.02	1.02	NO	1415	78.9	2.44	
	212 13C-PCB-209	179439.023	1.249	NO	0.806	5.576	57.54	57.53	1.05	1.05	NO	1136	63.4	1.10	
	215 13C-PCB-60	636315.656	0.748	NO	1.00	5.576	36.84	36.84	1.00	0.00	NO	1793	100	1.37	
	216 13C-PCB-111	455523.938	1.613	NO	1.00	5.576	39.37	39.37	1.00	0.00	NO	1793	100	1.09	
	217 13C-PCB-128	334976.079	1.247	NO	1.00	5.576	46.58	46.68	1.00	0.00	NO	1793	100	3.76	
	218 13C-PCB-182	273170.266	0.446	NO	1.00	5.576	46.41	46.49	0.00	0.00	NO	1793	100	3.91	
	219 13C-PCB-205	351599.219	0.892	NO	1.00	5.576	54.98	55.04	1.00	0.00	NO	1793	100	1.41	
	220 13C-PCB-79	502753.640	0.751	NO	1.03	5.576	37.95	37.92	1.03	1.03	NO	1373	76.6	1.33	
	221 13C-PCB-178	187929.801	0.456	NO	0.875	5.576	45.94	45.94	0.99	0.99	NO	1150	64.1	3.62	
	222 13C-PCB-79	495347.079	0.752	NO	1.05	5.576	37.89	37.92	0.97	0.97	NO	1658	92.5	1.74	
	223 13C-PCB-178	187929.801	0.456	NO	0.975	5.576	45.94	45.94	0.92	0.92	NO	1618	90.2	5.19	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-6.qld

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

#	Name	Abs. Resp	RA	n/y	RRF	wLvol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	WRe	DI	EMPC
228	Total Tetra-PCBs				0.986	5.576	0.00		0.00		NO	75210		18500	75210
229	3rd Function Penta-PCBs				1.12	5.576	0.00		0.00		NO	57940	60207 ✓	22.1	57990
230	4th Function Penta-PCBs				1.11	5.576	0.00		0.00		NO	2267	60151 ✓	6.78	2267
231	3rd Function Hexa-PCBs				0.774	5.576	0.00		0.00		NO	20410	57880 ✓	8.68	20410
232	4th Function Hexa-PCBs				0.972	5.576	0.00		0.00		NO	37470	57970 ✓	47.0	37480
233	Total Hepta-PCBs				1.26	5.576	0.00		0.00		NO	41450		32.5	41460
234	4th Function Octa-PCBs				0.886	5.576	0.00		0.00		NO	6835	10285 ✓	10.6	6936
235	5th Function Octa-PCBs				1.20	5.576	0.00		0.00		NO	3450	10386 ✓	4.46	3450
236	Total Nona-PCBs				0.945	5.576	0.00		0.00		NO	1322		3.59	1322
237	Deca-CB				0.943	5.576	0.00		0.00		NO	1015		1.47	1015

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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

Total Tetra-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	34 PCB-53	2.11e5	3.97e5	0.721	NO	29.67	29.75	999.2	999.2
2	33 PCB-50	5.24e3	4.44e5	0.805	NO	29.06	29.06	27.08	27.08
3	32 PCB-54	3.64e3	4.44e5	0.725	NO	27.85	27.85	14.75	14.75
4	49 PCB-40	2.12e5	4.19e5	0.734	NO	34.15	34.11	1575	1575
5	48 PCB-68	1.65e4	4.19e5	0.739	NO	33.92	33.94	63.60	63.60
6	47 PCB-41/64/71/72	1.78e6	4.19e5	0.733	NO	33.66	33.70	7051	7051
7	46 PCB-42/59	6.57e5	4.19e5	0.724	NO	33.03	33.12	2930	2930
8	45 PCB-44	1.42e6	4.19e5	0.727	NO	32.82	32.86	7983	7983
9	42 PCB-48/75	4.24e5	4.19e5	0.742	NO	32.10	32.11	1773	1773
10	41 PCB-47	6.37e5	4.19e5	0.729	NO	31.99	32.00	3143	3143
11	40 PCB-43/49	1.57e6	3.97e5	0.727	NO	31.77	31.78	7535	7535
12	38 PCB-52/69	2.10e6	3.97e5	0.732	NO	31.48	31.46	8694	8694
13	37 PCB-46	5.87e4	3.97e5	0.712	NO	30.97	31.00	351.7	351.7
14	36 PCB-45	2.12e5	3.97e5	0.728	NO	30.47	30.53	1186	1186
15	60 PCB-79	2.90e4	4.99e5	0.727	NO	38.02	37.96	99.76	99.76
16	59 PCB-56/60	1.41e6	4.99e5	0.725	NO	36.89	36.84	5435	5435
17	58 PCB-55	1.92e4	4.99e5	0.767	NO	36.38	36.34	64.45	64.45
18	56 PCB-76/66	7.82e5	1.54e5	0.720	NO	36.00	35.91	8541	8541
19	55 PCB-61/70	8.98e5	1.54e5	0.713	NO	35.84	35.82	10600	10600
20	54 PCB-74	4.77e5	1.54e5	0.710	NO	35.62	35.71	5211	5211
21	51 PCB-67	9.11e4	1.54e5	0.743	NO	35.04	35.13	1068	1068
22	63 PCB-77	2.23e5	5.02e5	0.722	NO	39.80	39.80	770.1	770.1
23	62 PCB-81	1.76e4	5.12e5	0.671	NO	39.19	39.22	66.10	66.10
24	61 PCB-78	6.34e3	5.12e5	0.692	NO	38.65	38.59	21.50	21.50

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3rd Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	75 PCB-90/101	1.87e6	3.15e5	1.496	NO	37.62	37.62	11300	11300
2	74 PCB-89	2.87e4	3.15e5	1.478	NO	37.45	37.40	169.8	169.8
3	73 PCB-84/92	7.43e5	3.15e5	1.474	NO	37.24	37.23	4810	4810
4	71 PCB-88/91	2.32e5	2.38e5	1.537	NO	36.36	36.32	1962	1962
5	69 PCB-95/98/102	1.17e6	2.38e5	1.500	NO	35.88	35.93	8667	8667
6	67 PCB-100	9.53e3	3.67e5	1.397	NO	34.94	34.94	59.96	59.96
7	66 PCB-103	3.80e4	3.67e5	1.602	NO	34.56	34.51	240.1	240.1
8	65 PCB-96	1.93e4	3.67e5	1.412	NO	34.00	33.94	95.01	95.01
9	92 PCB-106/118	1.56e6	3.71e5	1.510	NO	41.77	41.77	7063	7063
10	91 PCB-123	1.98e4	3.60e5	1.401	NO	41.57	41.59	94.63	94.63
11	90 PCB-107/109	1.53e5	3.60e5	1.494	NO	41.40	41.42	651.5	651.5
12	89 PCB-124	5.46e4	3.60e5	1.475	NO	41.26	41.25	233.7	233.7
13	88 PCB-82	1.48e5	3.60e5	1.517	NO	40.52	40.53	1096	1096
14	87 PCB-110	2.06e6	2.73e5	1.517	NO	39.91	39.91	9138	9138
15	85 PCB-85/116	2.48e5	2.73e5	1.517	NO	39.49	39.48	1343	1343
16	84 PCB-111/115	2.45e4	2.73e5	1.539	NO	39.37	39.39	100.7	100.7
17	83 PCB-87/117/125	5.33e5	2.73e5	1.498	NO	39.20	39.22	2631	2631
18	81 PCB-97	4.67e5	2.73e5	1.517	NO	38.95	38.94	2858	2858
19	80 PCB-83	6.48e2	2.73e5	1.269	YES	38.73	38.74	0.0000	2.527
20	79 PCB-108/112	8.91e4	2.73e5	1.477	NO	38.56	38.59	468.8	468.8
21	78 PCB-119	8.34e4	2.73e5	1.515	NO	38.40	38.42	372.7	372.7
22	77 PCB-99	8.88e5	3.15e5	1.507	NO	37.97	37.94	4516	4516
23	82 PCB-86	7.08e3	2.73e5	1.261	YES	39.09	39.13	0.0000	42.79
24	86 PCB-120	1.97e4	2.73e5	1.614	NO	39.76	39.80	76.98	76.98

4th Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	95 PCB-105	5.78e5	4.67e5	1.568	NO	43.30	43.30	2016	2016
2	94 PCB-122	1.92e4	4.56e5	1.615	NO	42.56	42.57	77.56	77.56
3	93 PCB-114	4.26e4	4.56e5	1.599	NO	42.44	42.43	144.2	144.2
4	97 PCB-126	7.65e3	4.00e5	1.552	NO	45.65	45.65	28.31	28.31

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3rd Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	100 PCB-152	1.14e3	2.84e5	1.230	NO	38.94	38.89	7.143	7.143
2	99 PCB-150	2.97e3	2.84e5	1.374	NO	38.45	38.42	21.23	21.23
3	109 PCB-139/149	1.31e6	2.84e5	1.235	NO	41.76	41.70	11180	11180
4	108 PCB-147	1.57e4	2.84e5	1.186	NO	41.47	41.44	149.9	149.9
5	107 PCB-144	6.81e4	2.84e5	1.245	NO	41.35	41.31	644.2	644.2
6	106 PCB-135	2.00e5	2.84e5	1.245	NO	41.24	41.20	1763	1763
7	105 PCB-151	4.09e5	2.84e5	1.231	NO	41.02	40.97	4082	4082
8	104 PCB-154	3.80e4	2.84e5	1.191	NO	40.34	40.32	331.2	331.2
9	103 PCB-148	3.70e3	2.84e5	1.299	NO	39.85	39.82	33.60	33.60
10	102 PCB-136	2.76e5	2.84e5	1.257	NO	39.74	39.69	2061	2061
11	101 PCB-145	5.79e2	2.84e5	1.464	YES	39.38	39.33	0.0000	3.322
12	110 PCB-140	1.30e4	2.84e5	1.271	NO	41.95	41.90	131.0	131.0

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4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	124 PCB-166	6.34e3	3.92e5	1.099	NO	46.10	46.09	27.13	27.13
2	123 PCB-129	4.19e4	3.21e5	1.205	NO	45.66	45.63	286.2	286.2
3	122 PCB-158/160	2.03e5	3.21e5	1.195	NO	45.41	45.39	963.6	963.6
4	121 PCB-138/163/164	2.42e6	3.21e5	1.184	NO	45.16	45.16	11020	11020
5	120 PCB-130	1.21e5	3.16e5	1.105	NO	44.73	44.76	816.9	816.9
6	119 PCB-137	4.91e4	3.16e5	1.406	NO	44.61	44.67	281.7	281.7
7	118 PCB-141	4.27e5	3.16e5	1.201	NO	44.23	44.25	2503	2503
8	117 PCB-168	4.20e3	3.88e5	0.941	YES	43.70	43.70	0.0000	16.68
9	116 PCB-153	2.72e6	3.88e5	1.166	NO	43.47	43.47	12400	12400
10	115 PCB-132/161	6.63e5	3.88e5	1.241	NO	43.29	43.32	3144	3144
11	114 PCB-146/165	5.01e5	3.88e5	1.186	NO	43.06	43.08	2411	2411
12	113 PCB-142	1.97e3	3.88e5	1.145	NO	42.80	42.79	12.83	12.83
13	112 PCB-131/133	5.98e4	3.88e5	1.130	NO	42.65	42.66	349.4	349.4
14	111 PCB-134/143	9.19e4	3.88e5	1.180	NO	42.37	42.36	578.8	578.8
15	129 PCB-157	2.56e4	3.78e5	1.182	NO	48.74	48.72	123.9	123.9
16	128 PCB-156	1.93e5	3.75e5	1.185	NO	48.46	48.46	873.7	873.7
17	127 PCB-167	6.98e4	3.90e5	1.206	NO	47.13	47.13	307.8	307.8
18	126 PCB-128/162	2.18e5	3.92e5	1.174	NO	46.72	46.69	1174	1174
19	125 PCB-159	4.70e4	3.92e5	1.223	NO	46.43	46.49	192.1	192.1

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Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	136 PCB-178	1.51e5	3.14e5	1.047	NO	45.94	45.98	1038	1038
2	135 PCB-186	9.71e2	3.14e5	1.224	YES	45.43	45.46	0.0000	4.195
3	134 PCB-176	1.43e5	3.14e5	1.020	NO	44.82	44.84	703.3	703.3
4	133 PCB-179	4.79e5	3.14e5	1.036	NO	44.35	44.35	2325	2325
5	132 PCB-184	7.47e2	3.14e5	1.286	YES	43.54	43.55	0.0000	3.276
6	131 PCB-188	1.28e3	3.14e5	1.599	YES	43.10	43.10	0.0000	4.837
7	150 PCB-191	3.11e4	2.14e5	1.006	NO	50.24	50.24	165.7	165.7
8	149 PCB-193	9.71e4	2.14e5	1.043	NO	49.99	49.97	529.2	529.2
9	148 PCB-180	1.74e6	2.14e5	1.030	NO	49.76	49.78	11070	11070
10	146 PCB-172	1.13e5	2.14e5	1.028	NO	49.36	49.37	726.9	726.9
11	145 PCB-173	1.33e4	2.14e5	0.954	NO	48.88	48.89	98.06	98.06
12	144 PCB-171	1.87e5	2.14e5	1.025	NO	48.44	48.44	1264	1264
13	143 PCB-177	4.26e5	2.14e5	1.052	NO	48.15	48.15	2879	2879
14	141 PCB-174	7.77e5	2.14e5	1.033	NO	47.87	47.87	5350	5350
15	140 PCB-185	8.89e4	2.14e5	1.024	NO	47.50	47.51	565.5	565.5
16	139 PCB-183	4.69e5	3.14e5	1.026	NO	46.83	46.83	2797	2797
17	138 PCB-182/187	1.05e6	3.14e5	1.025	NO	46.50	46.49	6253	6253
18	137 PCB-175	3.02e4	3.14e5	1.038	NO	46.30	46.32	203.2	203.2
19	153 PCB-189	2.50e4	2.16e5	0.996	NO	53.16	53.16	155.5	155.5
20	152 PCB-190	1.56e5	1.77e5	1.025	NO	51.62	51.64	856.9	856.9
21	151 PCB-170	5.92e5	1.77e5	1.026	NO	51.43	51.43	4398	4398
22	142 PCB-181	1.20e4	2.14e5	1.034	NO	47.97	47.96	71.29	71.29

4th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	161 PCB-196/203	3.32e5	2.65e5	0.844	NO	52.56	52.55	2856	2856
2	160 PCB-199	2.81e5	2.65e5	0.900	NO	52.25	52.25	2685	2685
3	159 PCB-198	1.33e4	2.65e5	0.649	YES	52.12	52.13	0.0000	100.6
4	158 PCB-200	4.93e4	2.65e5	0.897	NO	50.57	50.54	349.2	349.2
5	157 PCB-197	1.63e4	2.65e5	0.887	NO	49.62	49.63	112.8	112.8
6	156 PCB-204	8.30e2	2.65e5	0.822	NO	49.30	49.33	5.729	5.729
7	155 PCB-201	5.24e4	2.65e5	0.900	NO	49.15	49.16	387.1	387.1
8	154 PCB-202	6.66e4	2.65e5	0.889	NO	48.67	48.65	439.7	439.7

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5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	164 PCB-205	1.87e4	2.38e5	0.938	NO	55.04	55.04	100.7	100.7
2	163 PCB-194	3.57e5	2.38e5	0.897	NO	54.78	54.78	2327	2327
3	162 PCB-195	1.40e5	2.38e5	0.873	NO	53.86	53.84	1022	1022

Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	167 PCB-206	9.39e4	1.81e5	1.300	NO	56.30	56.30	941.6	941.6
2	166 PCB-207	2.24e4	2.92e5	1.332	NO	54.32	54.34	150.9	150.9
3	165 PCB-208	3.50e4	2.92e5	1.265	NO	54.00	54.00	229.9	229.9

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	168 PCB-209	9.58e4	1.79e5	1.192	NO	57.53	57.54	1015	1015

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Total Mono-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	170 13C-PCB-3	5.69e5	1.37e5	3.004	NO	18.08	18.33	6835	
2	169 13C-PCB-1	5.02e5	1.37e5	2.896	NO	15.44	15.65	6109	

Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	213 13C-PCB-15	1.37e5	1.37e5	1.624	NO	25.49	25.39	1793	

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2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

3rd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	176 13C-PCB-28	5.98e5	8.04e5	0.923	NO	29.02	29.01	1247	
2	214 13C-PCB-31	8.04e5	8.04e5	0.947	NO	28.91	28.91	1793	
3	177 13C-PCB-37	6.67e5	8.04e5	0.954	NO	33.04	33.04	1550	

Tetra-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	183 13C-PCB-81	5.12e5	6.36e5	0.757	NO	39.22	39.17	1466	
2	220 13C-PCB-79	5.03e5	6.36e5	0.751	NO	37.95	37.92	1373	
3	215 13C-PCB-60	6.36e5	6.36e5	0.748	NO	36.84	36.84	1793	
4	182 13C-PCB-80	4.99e5	6.36e5	0.743	NO	36.00	36.04	1345	
5	181 13C-PCB-70	1.54e5	6.36e5	0.769	NO	35.82	35.82	430.9	
6	180 13C-PCB-47	4.19e5	6.36e5	0.737	NO	31.93	31.97	1321	
7	179 13C-PCB-52	3.97e5	6.36e5	0.736	NO	31.41	31.44	1325	
8	184 13C-PCB-77	5.02e5	6.36e5	0.752	NO	39.83	39.78	1477	
9	178 13C-PCB-54	4.44e5	6.36e5	0.764	NO	27.83	27.83	1139	

3rd Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	187 13C-PCB-101	3.15e5	4.56e5	1.670	NO	37.57	37.60	1526	
2	186 13C-PCB-95	2.38e5	4.56e5	1.631	NO	35.82	35.93	1101	
3	185 13C-PCB-104	3.67e5	4.56e5	1.599	NO	32.55	32.67	1315	
4	190 13C-PCB-118	3.71e5	4.56e5	1.643	NO	41.75	41.74	1496	
5	189 13C-PCB-123	3.60e5	4.56e5	1.589	NO	41.58	41.55	1539	
6	216 13C-PCB-111	4.56e5	4.56e5	1.613	NO	39.37	39.37	1793	
7	188 13C-PCB-97	2.73e5	4.56e5	1.618	NO	38.92	38.91	1514	

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4th Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	194 13C-PCB-126	4.00e5	3.35e5	1.515	NO	45.58	45.63	1480	
2	193 13C-PCB-127	4.83e5	3.35e5	1.508	NO	43.60	43.66	1593	
3	192 13C-PCB-105	4.67e5	3.35e5	1.503	NO	43.26	43.28	1579	
4	191 13C-PCB-114	4.56e5	3.35e5	1.532	NO	42.37	42.41	1606	

4th Function Hexa-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	203 13C-PCB-169	3.35e5	3.35e5	1.261	NO	50.98	50.98	1331	
2	202 13C-PCB-157	3.78e5	3.35e5	1.250	NO	48.71	48.70	1440	
3	201 13C-PCB-156	3.75e5	3.35e5	1.280	NO	48.41	48.44	1436	
4	200 13C-PCB-167	3.90e5	3.35e5	1.260	NO	47.11	47.11	1466	
5	217 13C-PCB-128	3.35e5	3.35e5	1.247	NO	46.58	46.68	1793	
6	199 13C-PCB-159	3.92e5	3.35e5	1.284	NO	46.39	46.41	1465	
7	198 13C-PCB-138	3.21e5	3.35e5	1.310	NO	45.08	45.12	1455	
8	197 13C-PCB-141	3.16e5	3.35e5	1.278	NO	44.19	44.21	1482	
9	196 13C-PCB-153	3.88e5	3.35e5	1.240	NO	43.44	43.46	1460	

5th Function Octa-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	219 13C-PCB-205	3.52e5	3.52e5	0.892	NO	54.98	55.04	1793	
2	209 13C-PCB-194	2.38e5	3.52e5	0.867	NO	54.77	54.76	1699	

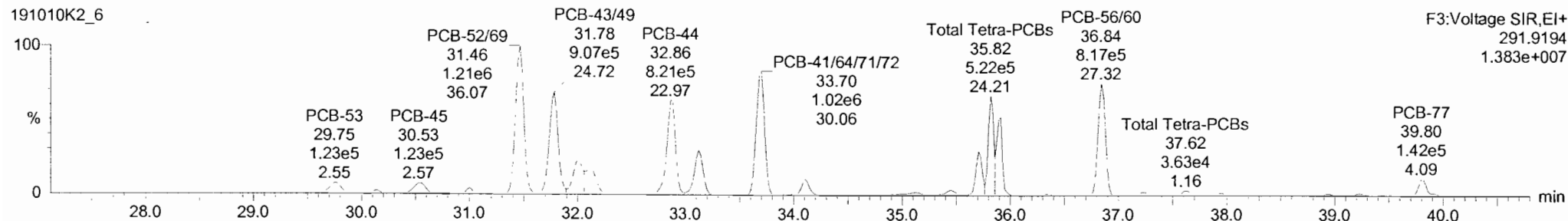
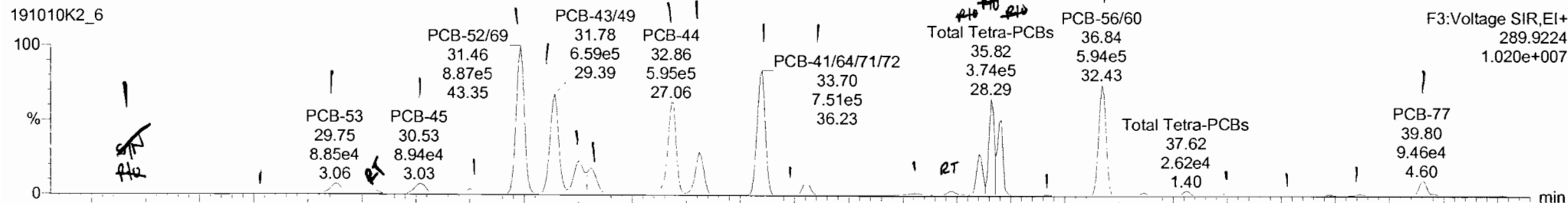
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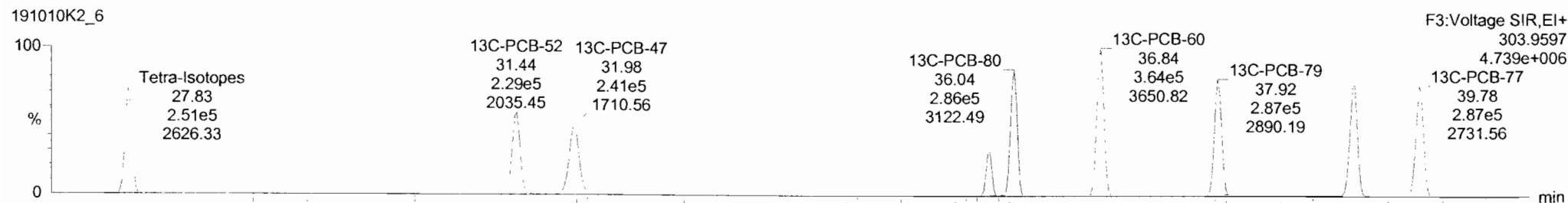
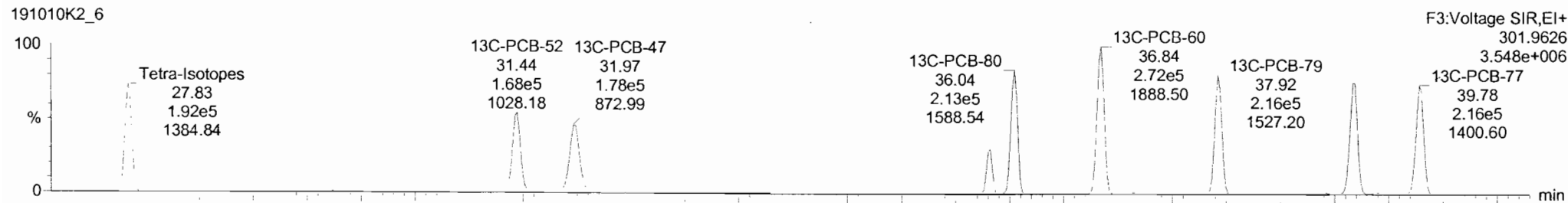
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PCB-54



13C-PCB-54



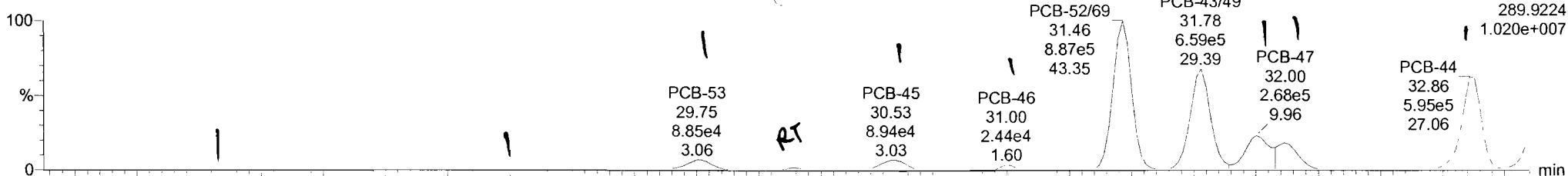
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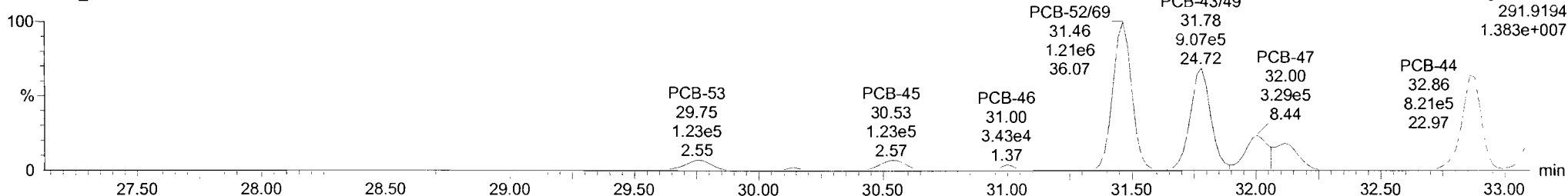
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PCB-50

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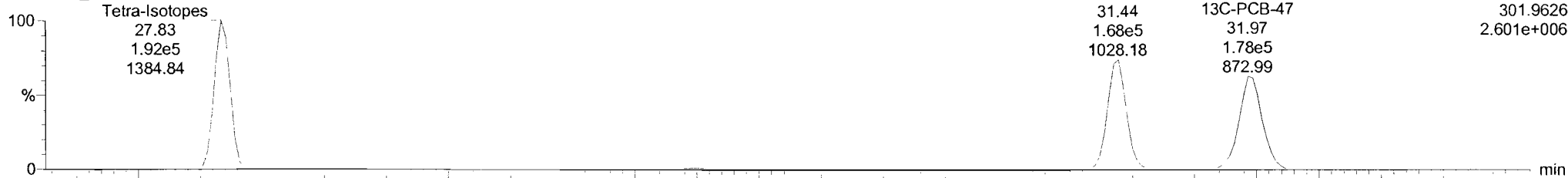


191010K2_6

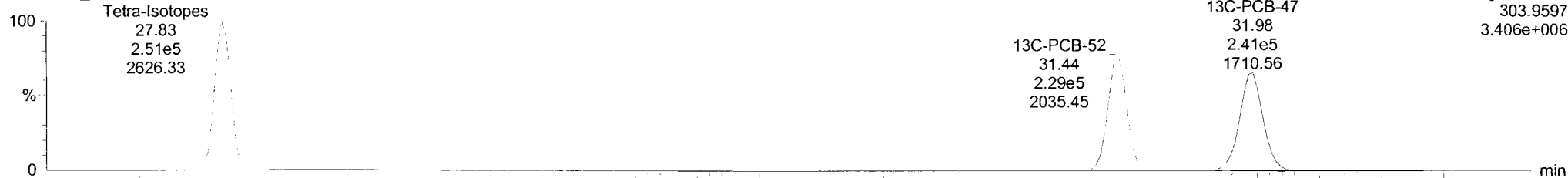


13C-PCB-52

191010K2_6



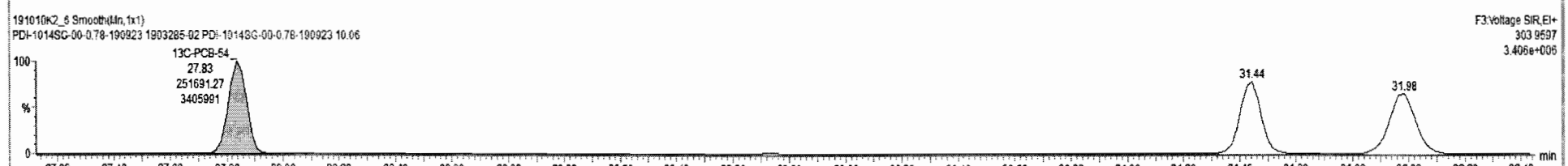
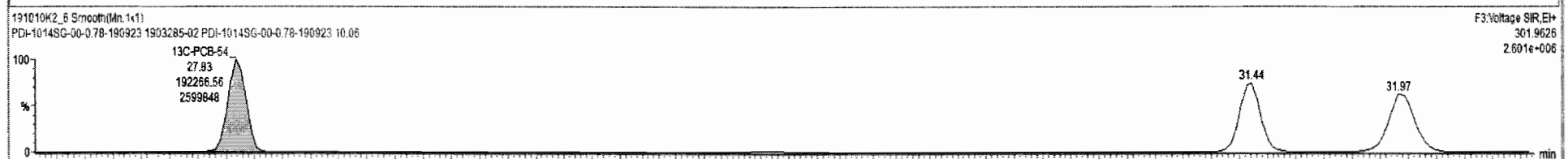
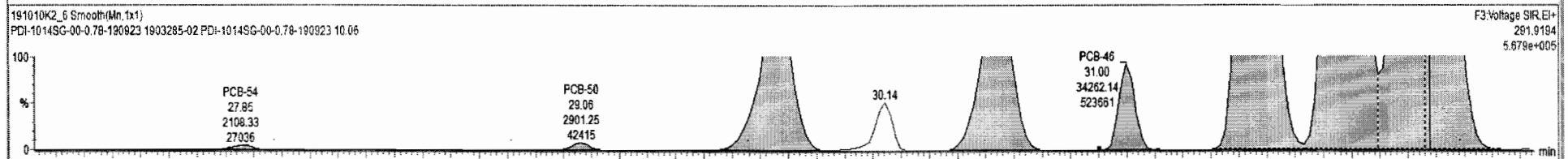
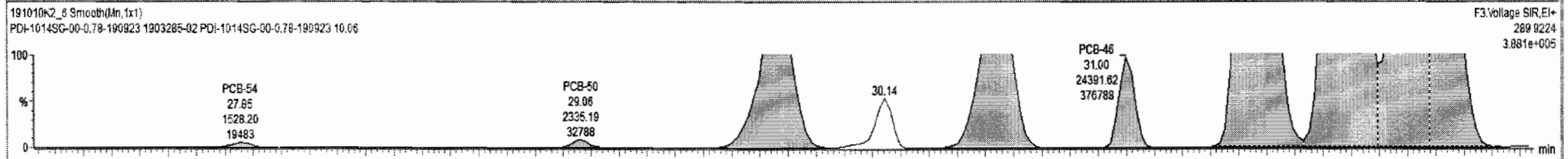
191010K2_6



191010K2-6 - 1903285-02 PDI-1014SG-00-0.78-190923 10.06 - PDI-1014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	13C-PCB-178	1.88e5	0.46	NO	0.9749	5.576	45.94	45.94	0.924	0.924	NO	1618	90.2	5.19	
224	Total Mono-PCBs				1.0122	5.576	0.00		0.000		NO	321.2		6.25	321.2
225	Total Di-PCBs					5.576	0.00		0.000		NO				
226	2nd Function Tri-PCBs					5.576	0.00		0.000		NO				
227	3rd Function Tri-PCBs				1.0563	5.576	0.00		0.000		NO	19050		18.9	19050
228	Total Tetra-PCBs				0.9881	5.576	0.00		0.000		NO	50940		18500	68340
229	3rd Function Penta-PCBs				1.1154	5.576	0.00		0.000		NO	57990		22.1	57990
230	4th Function Penta-PCBs				1.1112	5.576	0.00		0.000		NO	2267		6.78	2267

#	Name	Pred.RT	RT	mt Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.85	27.85	1.528e3	2.108e3	0.770	0.72	NO	14.753	14.753
33	PCB-50	29.06	29.06	2.335e3	2.901e3	0.770	0.80	NO	27.076	27.076
34	PCB-53	29.67	29.75	8.852e4	1.227e5	0.770	0.72	NO	999.22	999.22

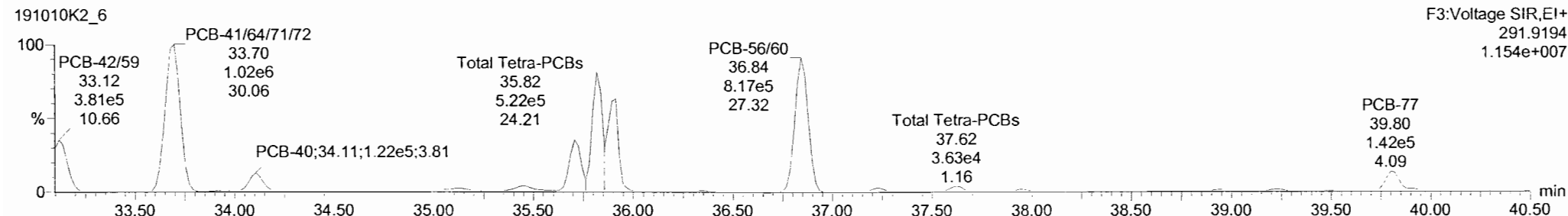
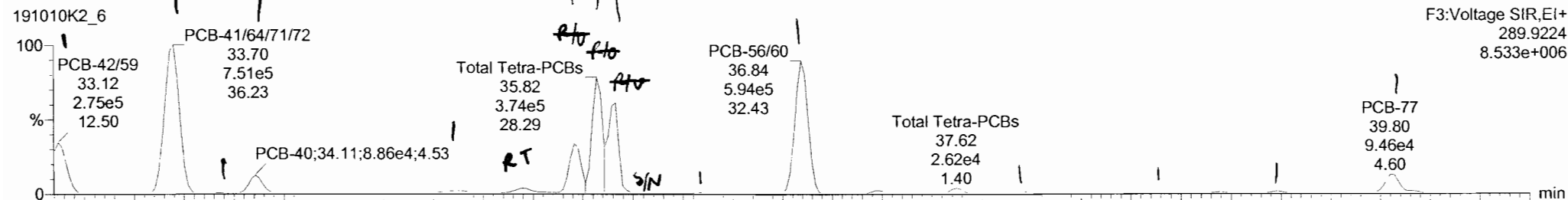


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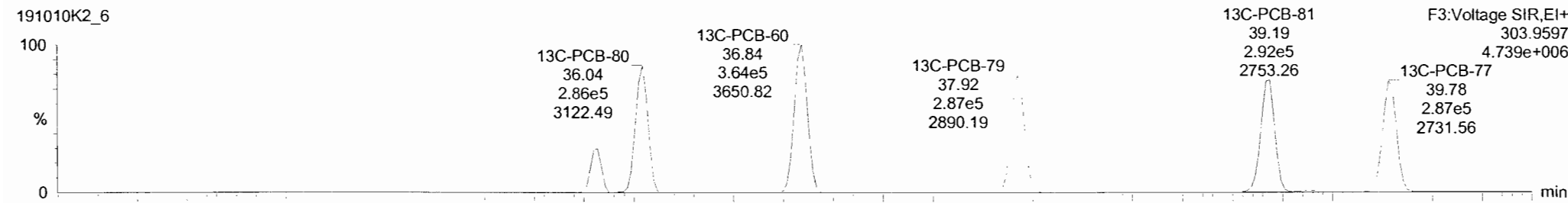
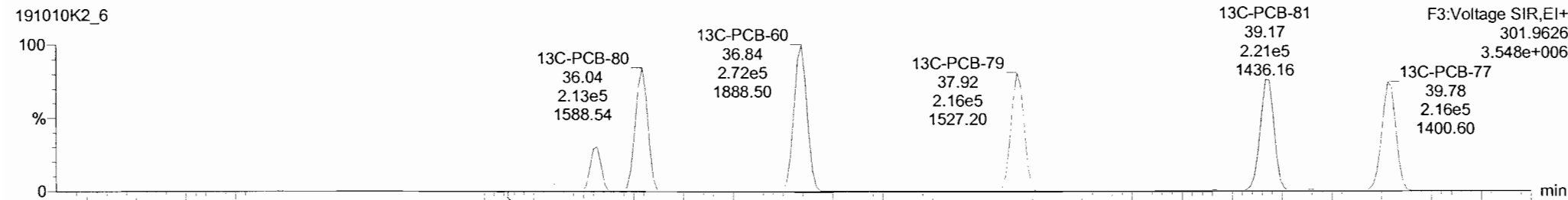
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 Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

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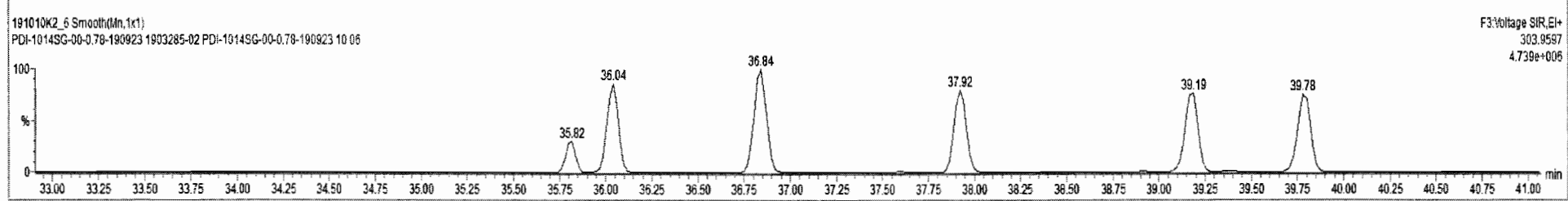
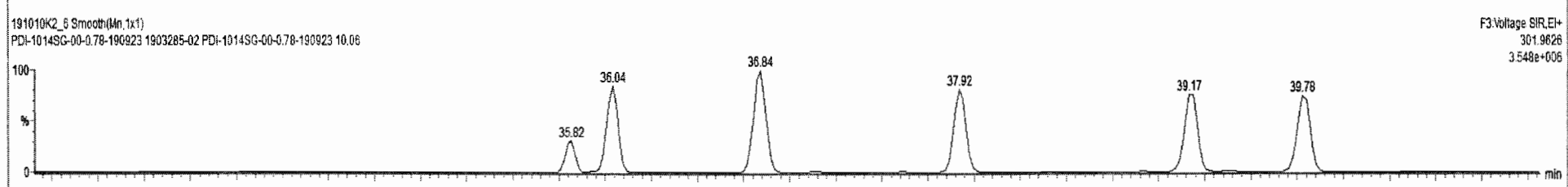
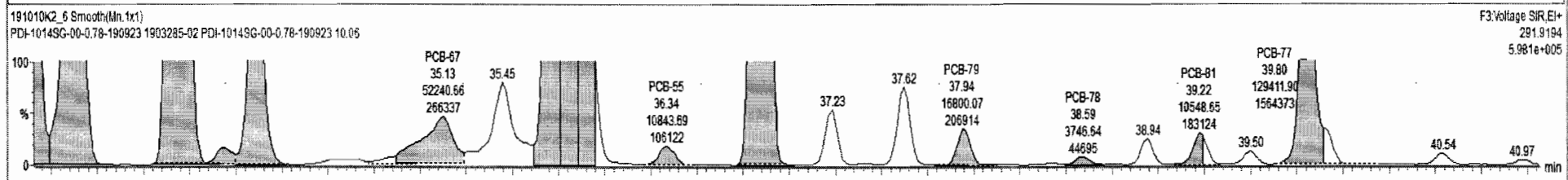
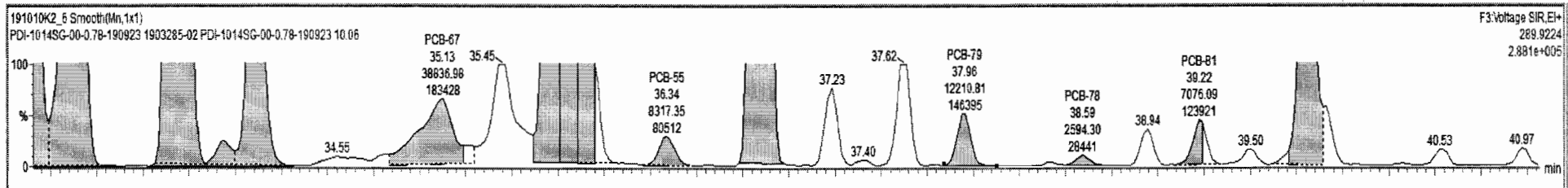
13C-PCB-60





#	Name	Resp	RA	nly	RRT	wVol	Pred.RT	RT	Pred.R.	RRT	RRT.Fai	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	1.88e5	0.46	NO	0.9749	5.576	45.94	45.94	0.924	0.923	NO	1818	90.2		5.19
224	224 Total Mono-PCBs				1.0122	5.576	0.00		0.000		NO	321.2		6.25	321.2
225	225 Total Di-PCBs					5.576	0.00		0.000		NO				
226	226 2nd Function Tri-PCBs					5.576	0.00		0.000		NO				
227	227 3rd Function Tri-PCBs				1.0563	5.576	0.00		0.000		NO	19080		18.9	19080
228	228 Total Tetra-PCBs				0.9861	5.576	0.00		0.000		NO	75210		10500	75210
229	229 3rd Function Penta-PCBs				1.1154	5.576	0.00		0.000		NO	57990		22.1	57990
230	230 4th Function Penta-PCBs				1.1112	5.576	0.00		0.000		NO	2267		6.78	2267

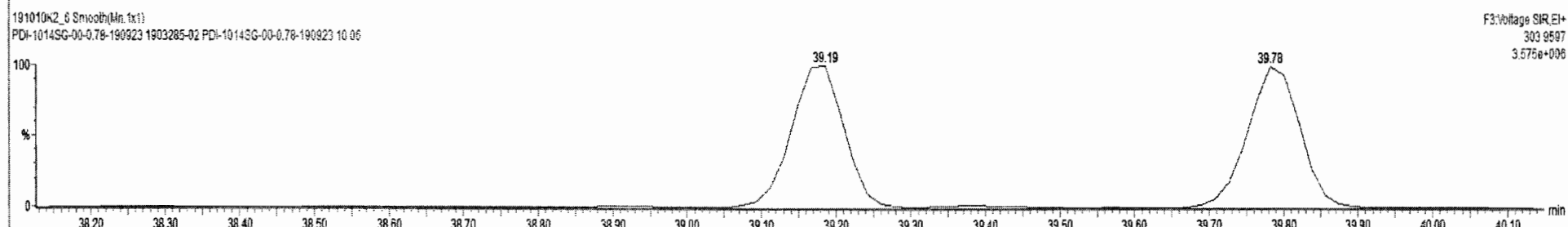
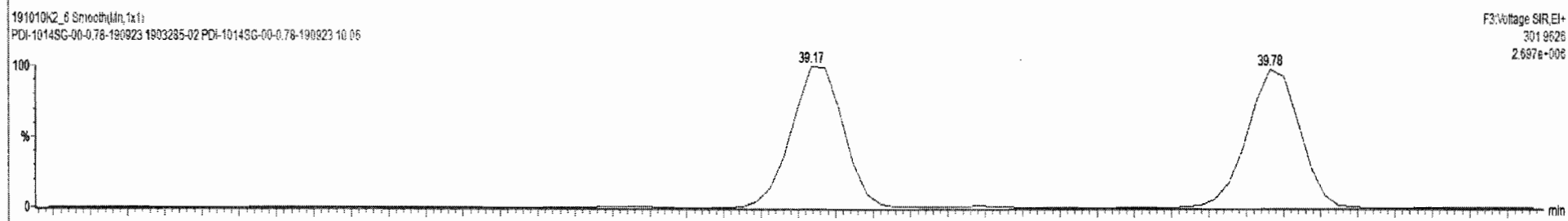
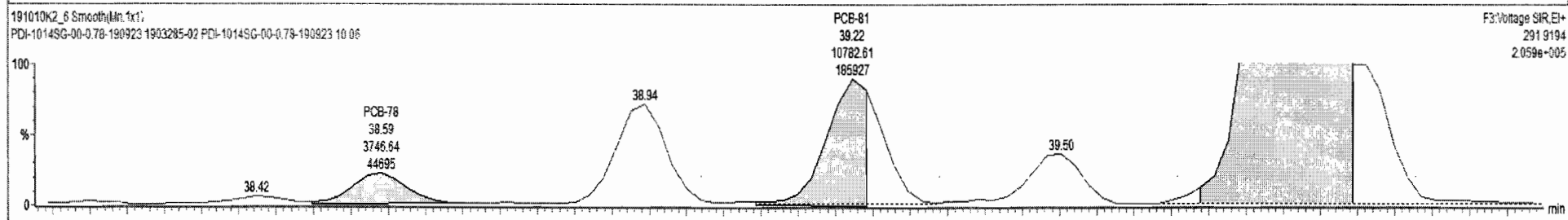
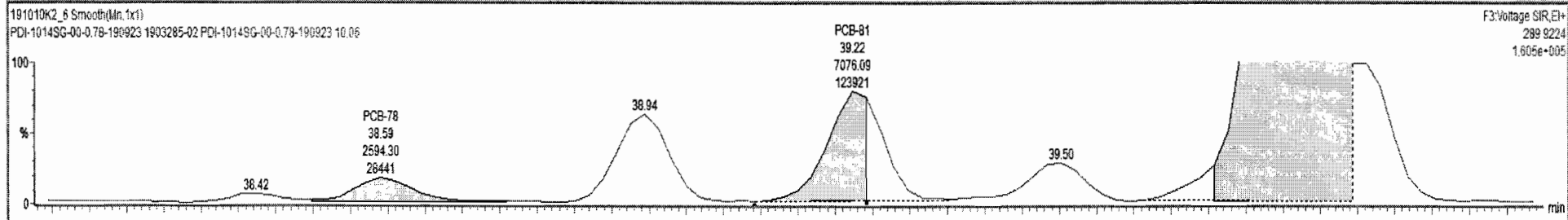
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.85	27.65	1.528e3	2.108e3	0.770	0.72	NO	14.753	14.753
2	33 PCB-50	29.06	29.06	2.335e3	2.901e3	0.770	0.80	NO	27.076	27.076
3	34 PCB-53	29.67	29.75	6.852e4	1.227e5	0.770	0.72	NO	999.22	999.22



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#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT.Fac	Conc.	%Rec	DL	EMPC
226	Total Tetra-PCBs				0.9861	5.576	0.00		0.000		NO	49740		11600	49740
229	3rd Function Penta-PCBs				1.1154	5.576	0.00		0.000		NO	57990		22.1	57990
230	4th Function Penta-PCBs				1.1117	5.576	0.00		0.000		NO	22851		6.78	22851

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
34	PCB-53	29.67	29.75	8.852e4	1.227e5	0.770	0.72	NO	999.22	999.22



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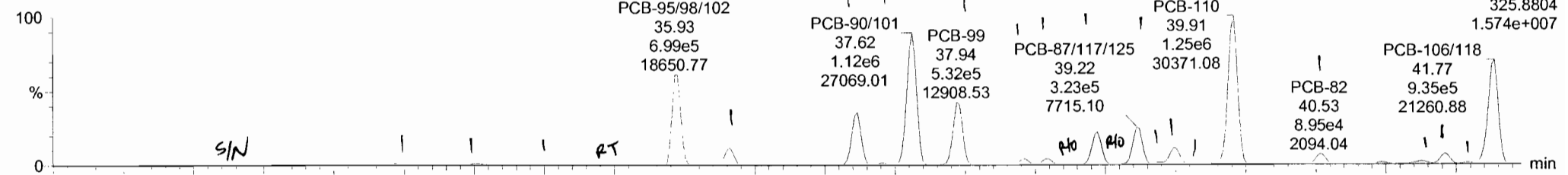
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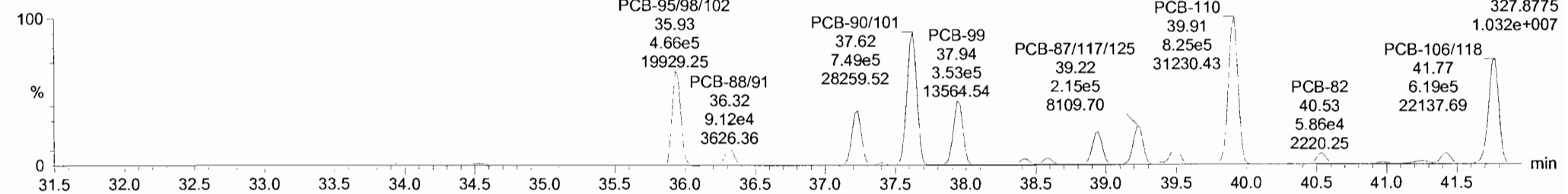
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191010K2_6

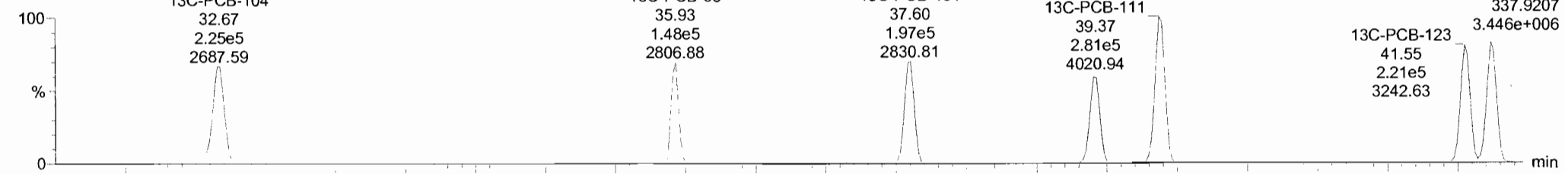


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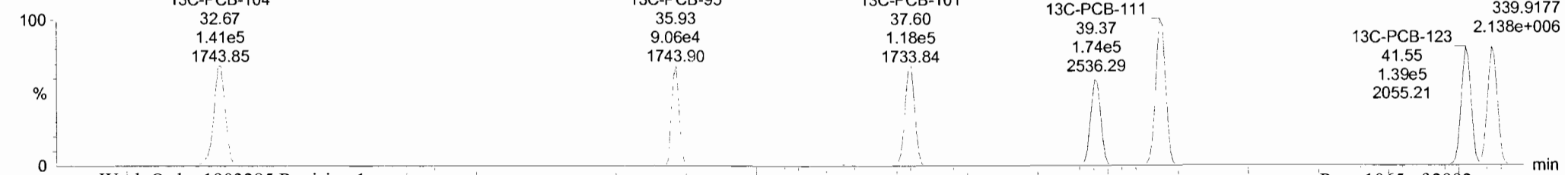


13C-PCB-104

191010K2_6



191010K2_6



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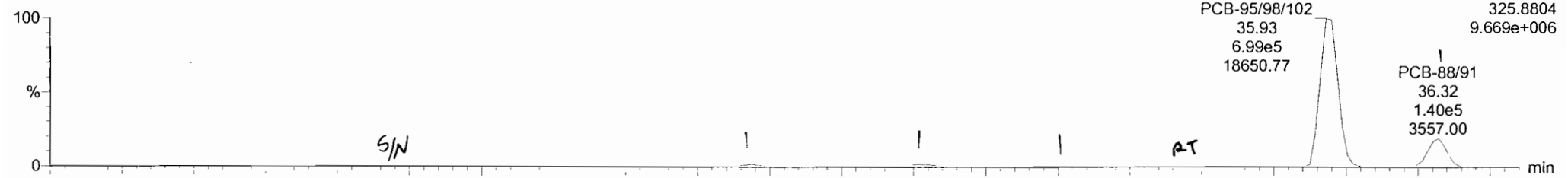
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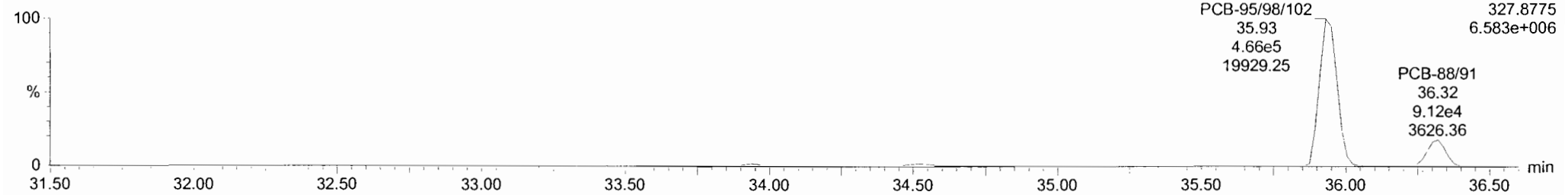
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191010K2_6

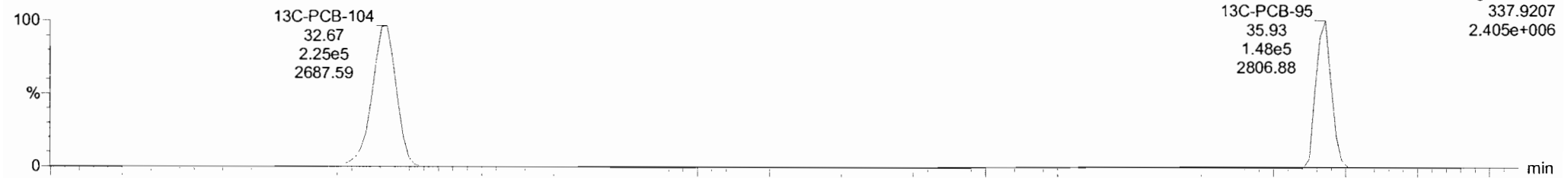


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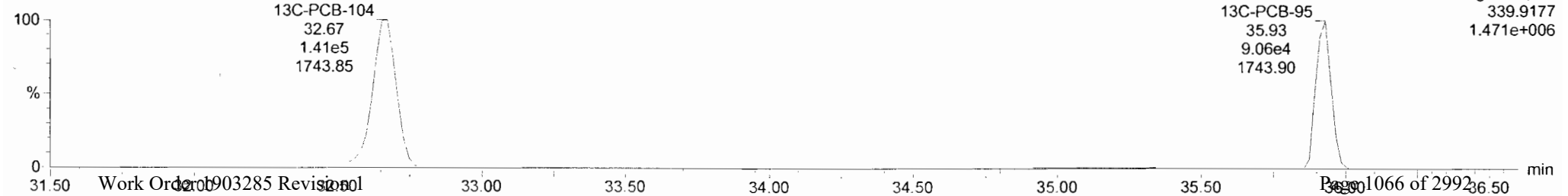


13C-PCB-95

191010K2_6



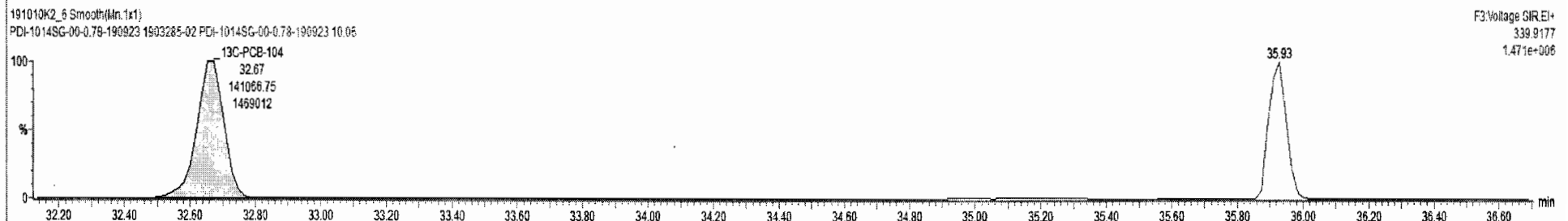
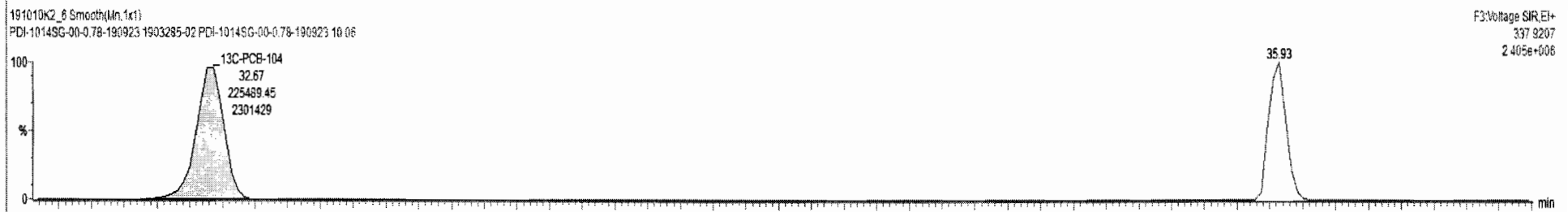
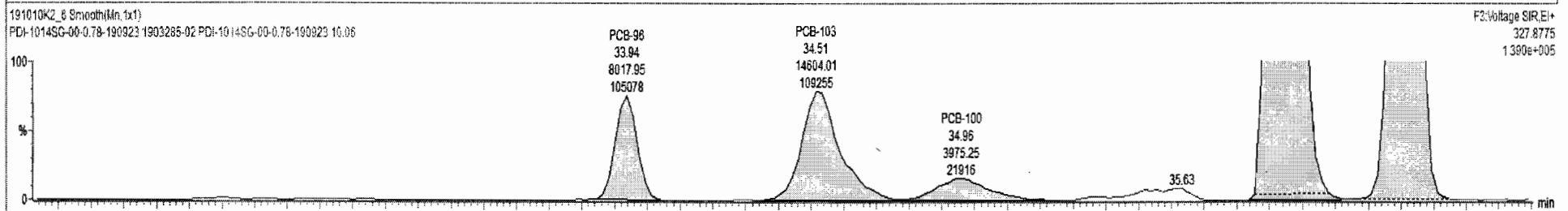
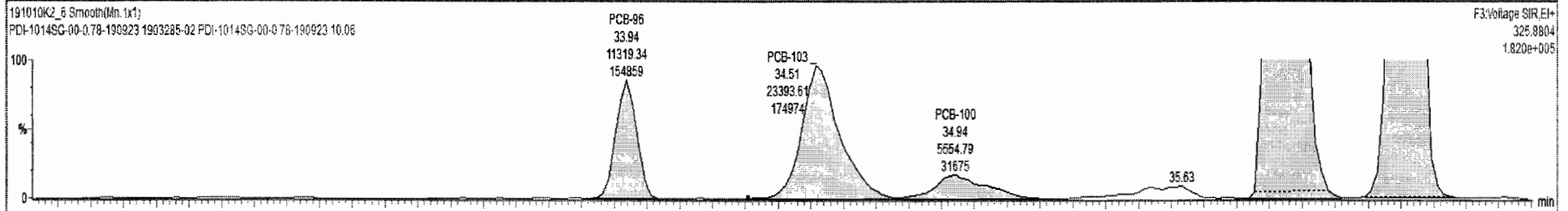
191010K2_6



191010K2_6 - 1903285-02 PDI-1014SG-00-0.78-190923 10.06 - PDI-1014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/val	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9861	5.575	0.00		0.000		NO	49780		11600	49780

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
65	PCB-96	34.00	33.94	1.132e4	8.019e3	1.560	1.41	NO	95.007	95.007
66	PCB-103	34.58	34.51	2.339e4	1.460e4	1.580	1.60	NO	240.08	240.08
67	PCB-100	34.94	34.94	5.555e3	3.975e3	1.560	1.40	NO	59.957	59.957



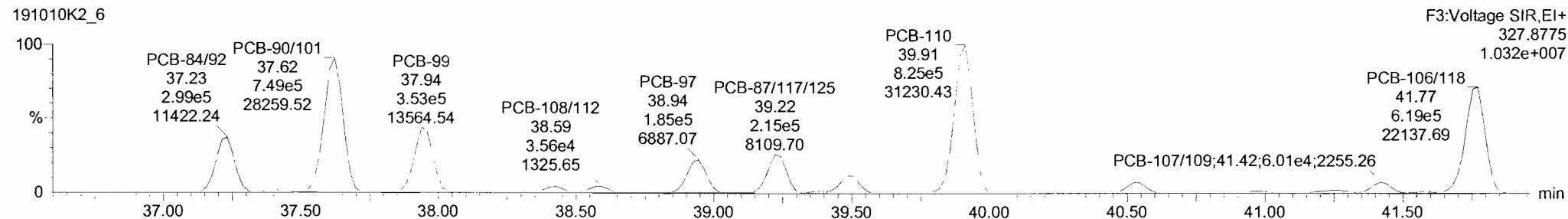
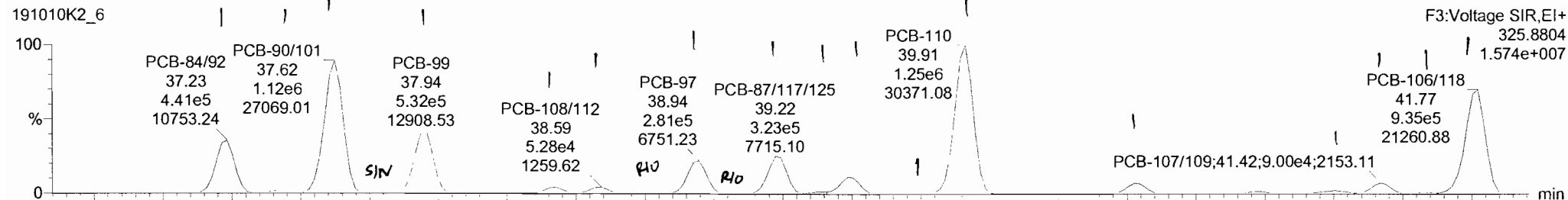
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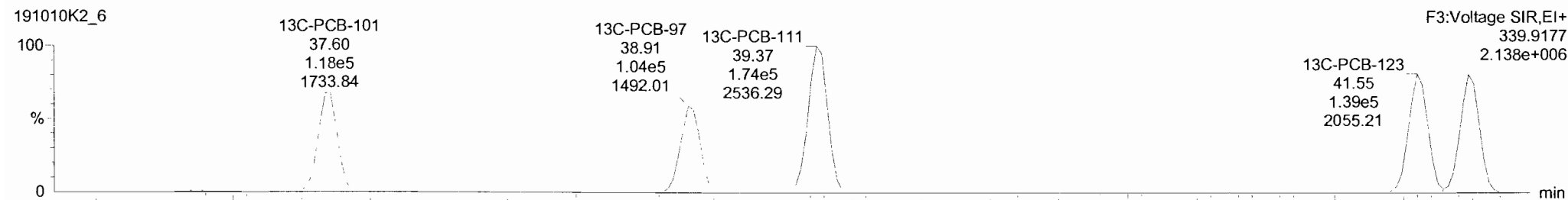
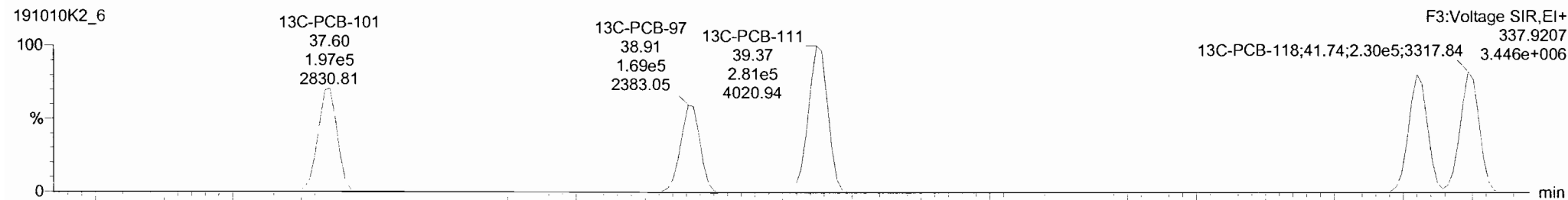
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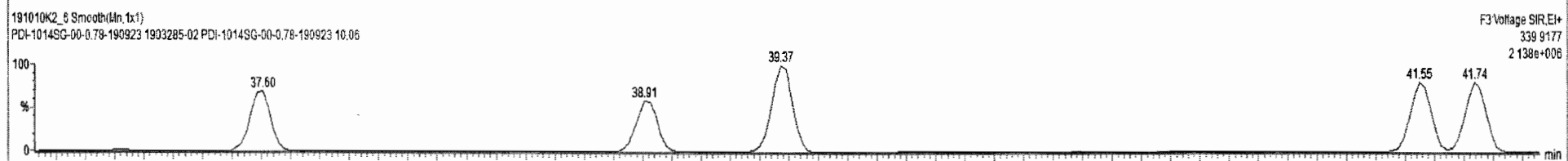
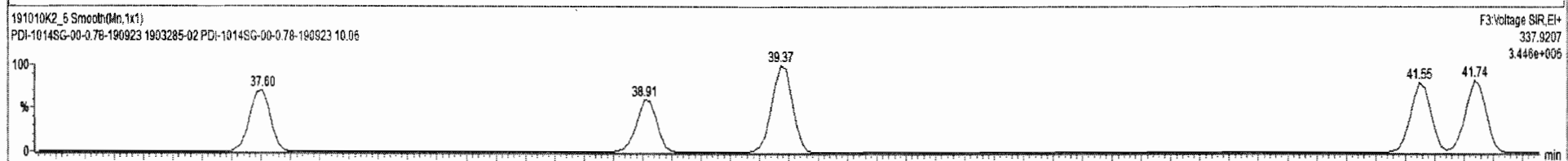
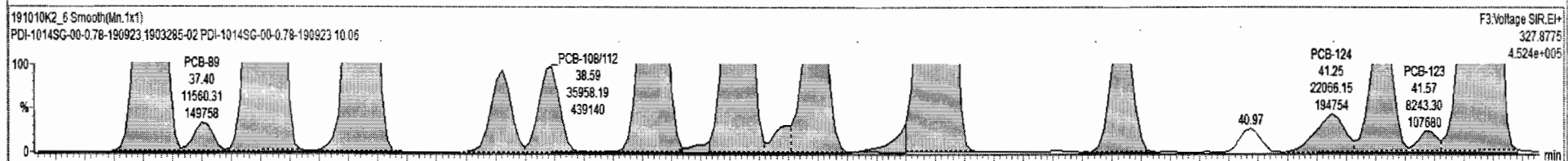
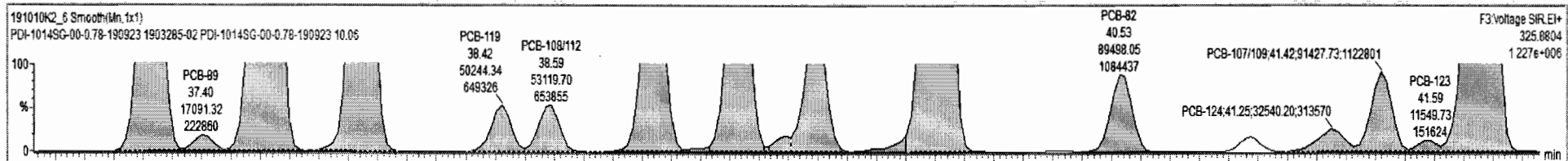
13C-PCB-111



191010K2_6-1903285-02-PDI-1014SG-00-0.78-190923 10.06 - PDI.1014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	5.576	0.00		0.000		NO	57940	22.1		57900
230	230 4th Function Penta-PCBs				1.1112	5.576	0.00		0.000		NO	2267	6.78		2267
231	231 3rd Function Hexa-PCBs				0.7739	5.576	0.00		0.000		NO	20280	8.68		20280
232	232 4th Function Hexa-PCBs				0.9719	5.576	0.00		0.000		NO	37470	47.0		37480
233	233 Total Hepta-PCBs				1.2636	5.576	0.00		0.000		NO	41460	32.5		41470
234	234 4th Function Octa-PCBs				0.8863	5.576	0.00		0.000		NO	6635	10.6		6936
235	235 5th Function Octa-PCBs				1.1967	5.576	0.00		0.000		NO	3450	4.46		3450
236	236 Total Nona-PCBs				0.9446	5.576	0.00		0.000		NO	1322	3.59		1322

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
14	82 PCB-86	39.09	39.13	3.548e3	3.132e3	1.560	1.26	YES	42.789	0.00000
15	83 PCB-87/117/125	39.20	39.22	3.199e5	2.135e5	1.560	1.50	NO	2631.4	2631.4
16	84 PCB-111/115	39.37	39.39	1.486e4	9.655e3	1.560	1.54	NO	106.69	106.69
17	85 PCB-85/116	39.49	39.48	1.497e5	9.869e4	1.560	1.52	NO	1343.1	1343.1
18	86 PCB-120	39.76	39.80	1.215e4	7.528e3	1.560	1.61	NO	76.981	76.981
19	87 PCB-110	39.91	39.91	1.245e6	8.203e5	1.560	1.52	NO	9137.7	9137.7



Dataset: Untitled

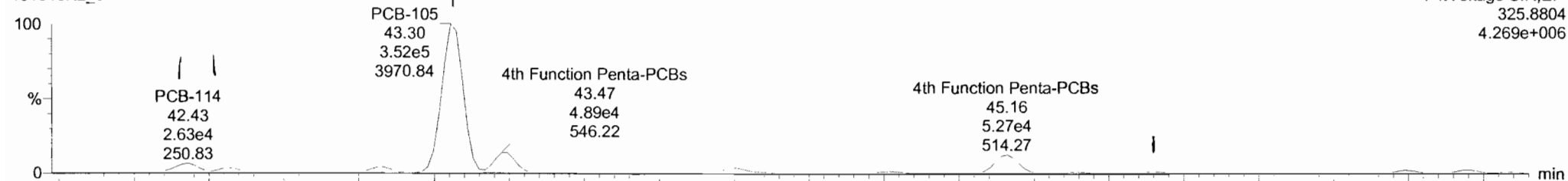
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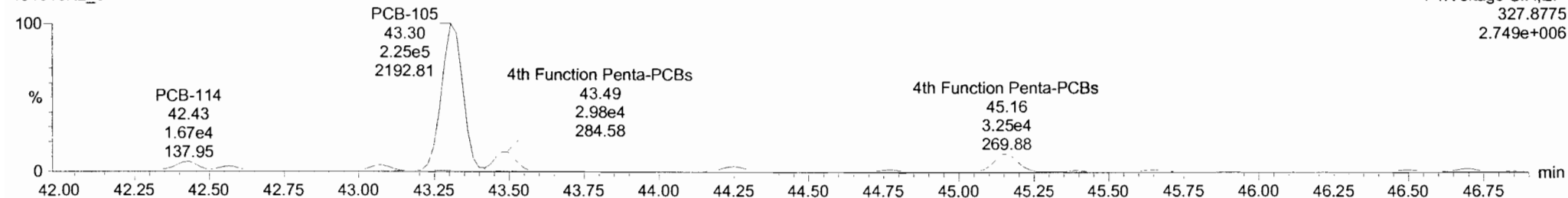
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191010K2_6

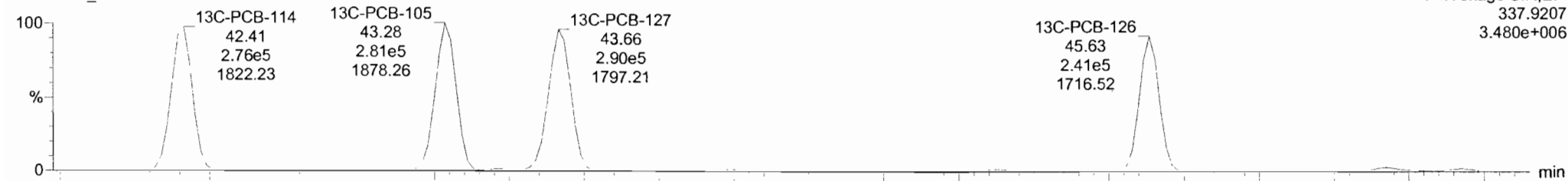


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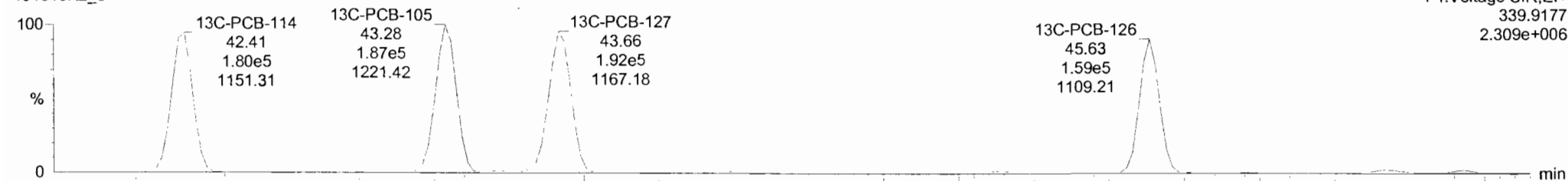


13C-PCB-114

191010K2_6



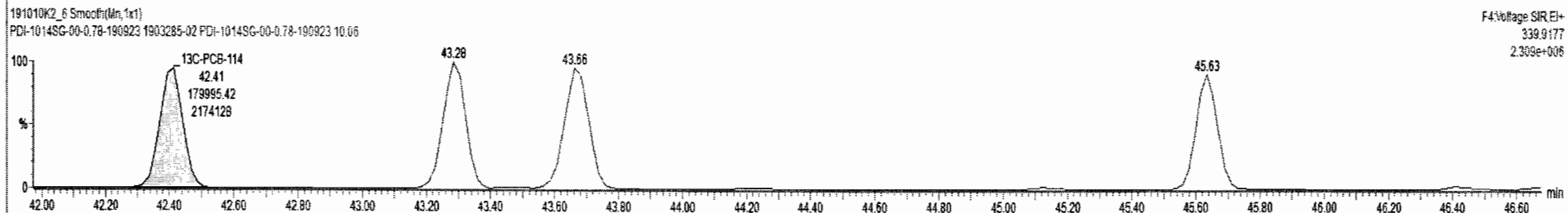
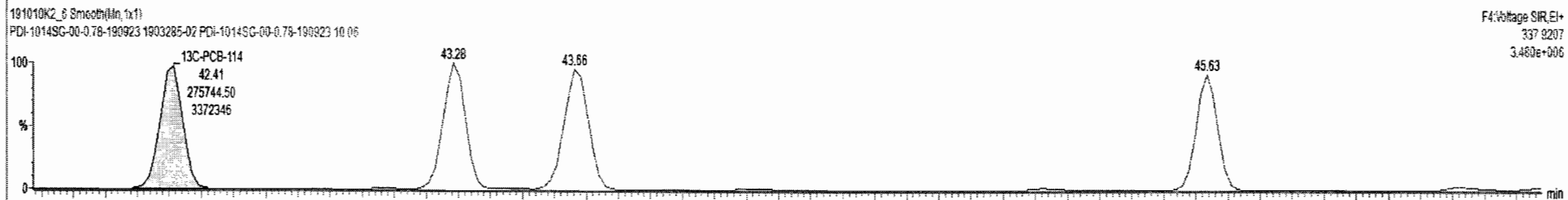
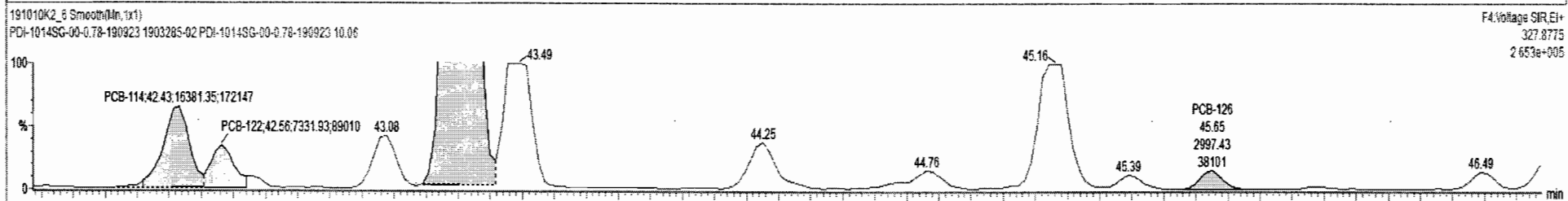
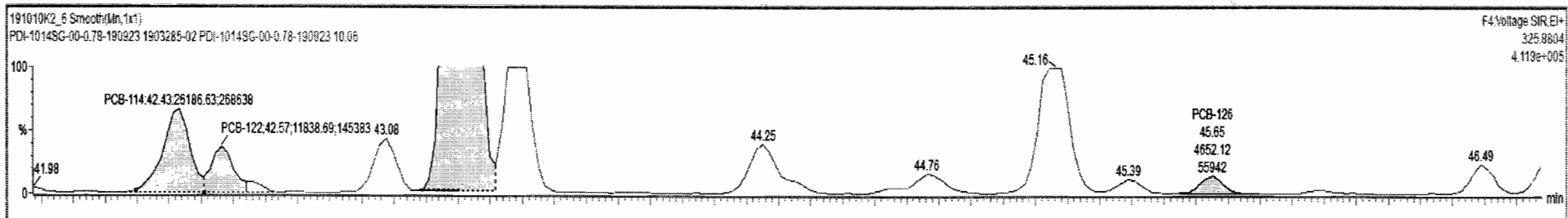
191010K2_6



191010K2_6 - 1903285-02 PDI-1014SG-00-0.78-190923 10.06 - PDI-1014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wtvol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9361	5.576	0.00		0.000		NO	49740		11690	49740
229	3rd Function Penta-PCBs				1.1154	5.576	0.00		0.000		NO	57990		22.1	57990
230	4th Function Penta-PCBs				4.4412	5.576	0.00		0.000		NO	22671		6.78	22671

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.44	42.43	2.619e4	1.636e4	1.560	1.60	NO	144.20	144.20
2	94 PCB-122	42.56	42.57	1.154e4	7.332e3	1.560	1.61	NO	77.562	77.562
3	95 PCB-105	43.30	43.30	3.531e5	2.252e5	1.550	1.57	NO	2016.5	2016.5
4	97 PCB-126	45.65	45.65	4.652e3	2.997e3	1.560	1.55	NO	28.314	28.314



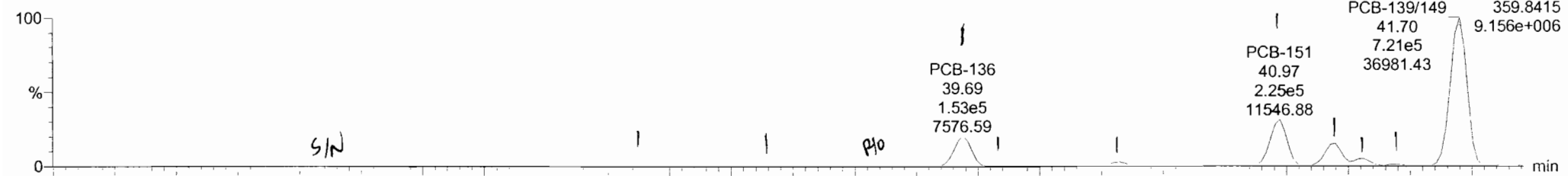
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

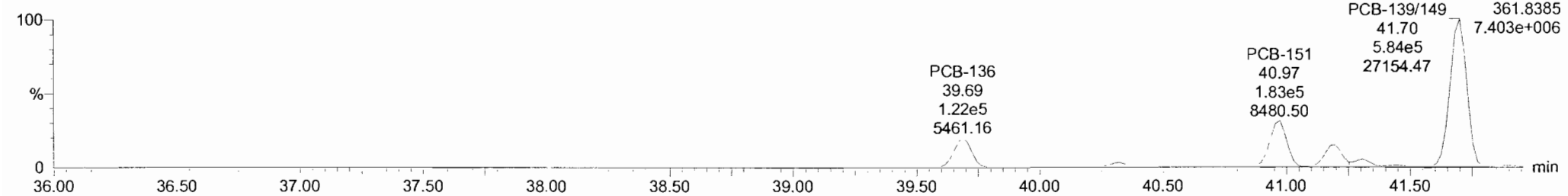
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PCB-155

191010K2_6

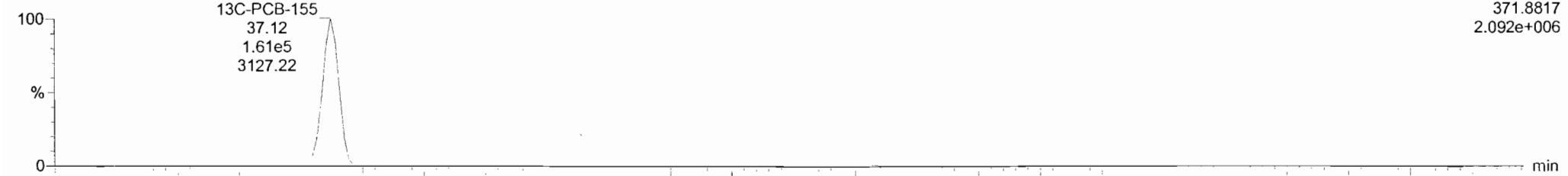


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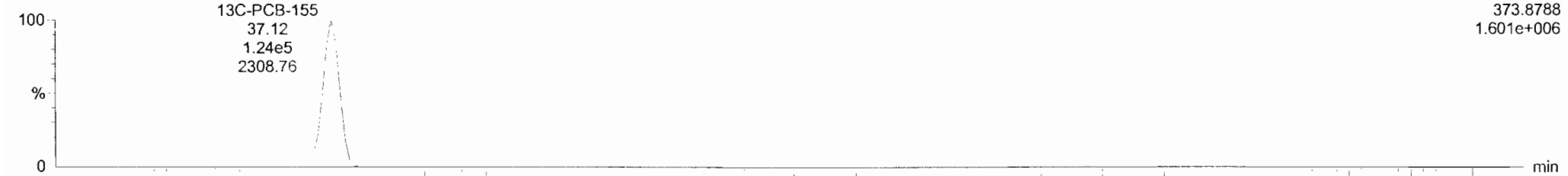


13C-PCB-155

191010K2_6

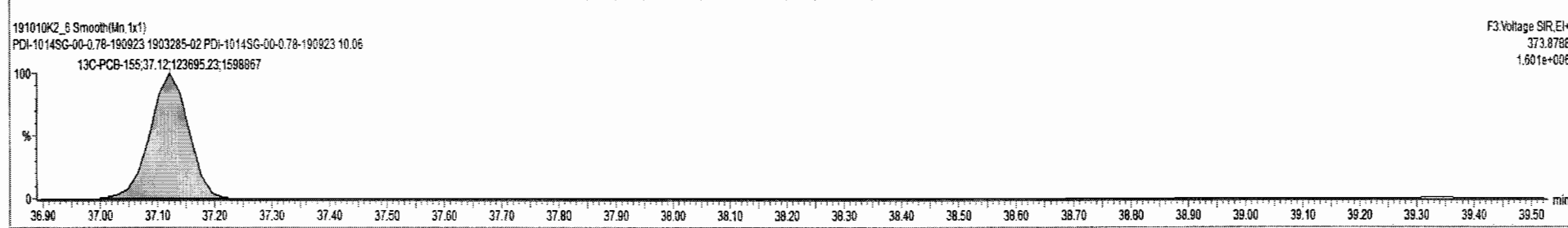
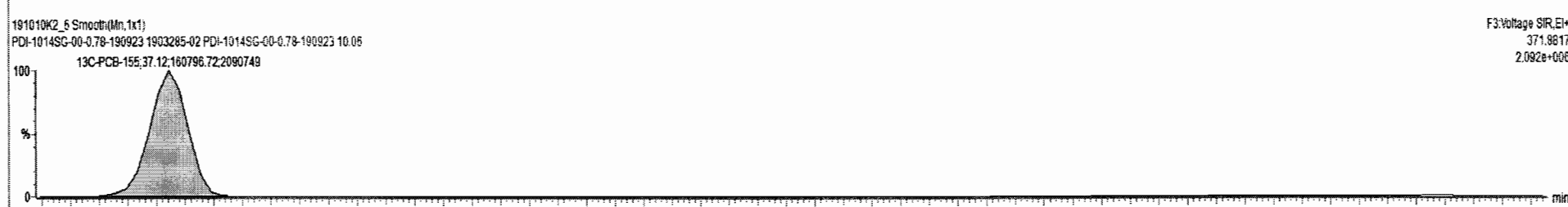
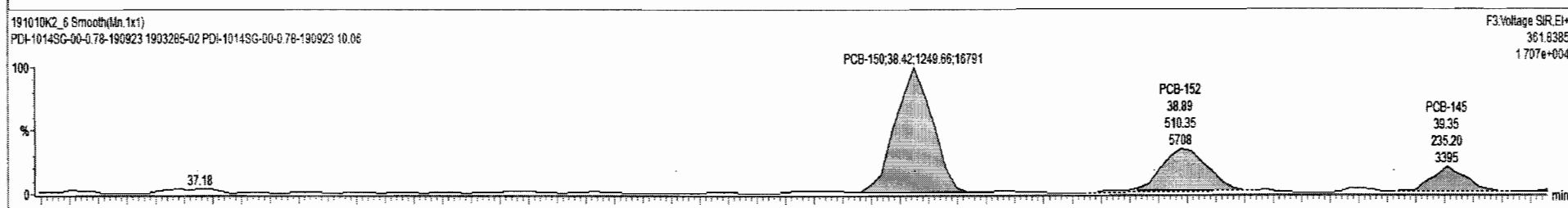
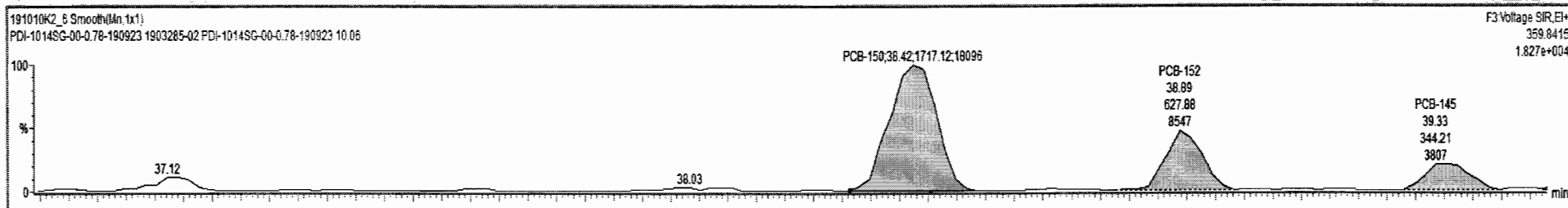


191010K2_6



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	3rd Function Hexa-PCBs				0.7739	5.576	0.00		0.000		NO	29410		8.68	26418
232	4th Function Hexa-PCBs				0.9719	5.576	0.00		0.000		NO	37470		47.0	37480

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.45	38.42	1.717e3	1.250e3	1.240	1.37	NO	21.234	21.234
2	100 PCB-152	38.84	38.89	6.279e2	5.104e2	1.240	1.23	NO	7.1432	7.1432
3	101 PCB-145	39.38	39.33	3.442e2	2.352e2	1.240	1.46	YES	3.3219	0.00000
4	102 PCB-136	39.74	39.69	1.536e5	1.222e5	1.240	1.26	NO	2061.3	2061.3

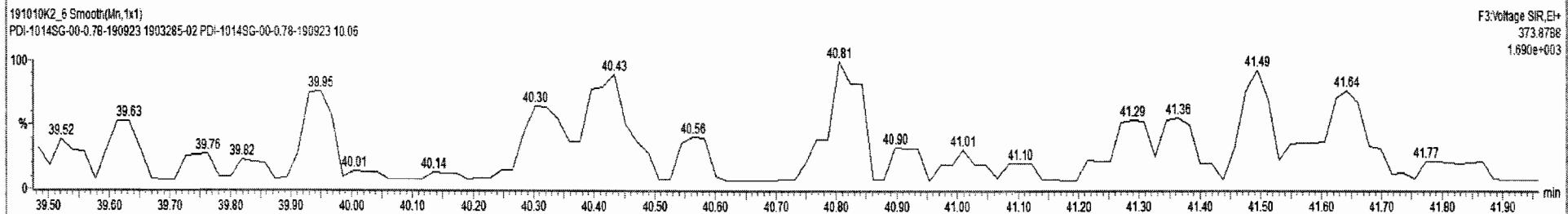
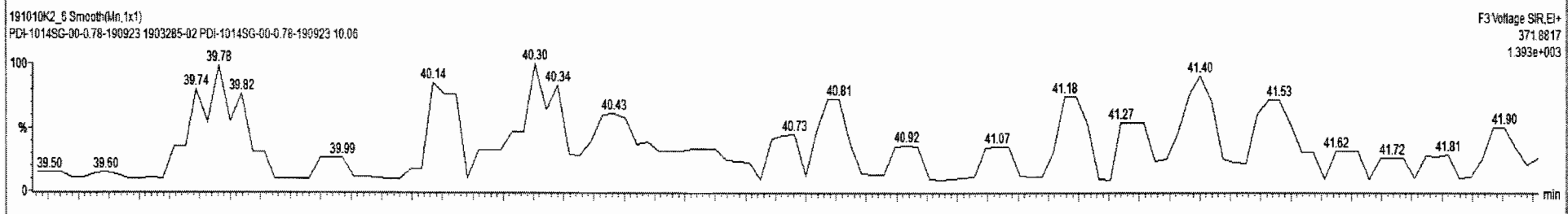
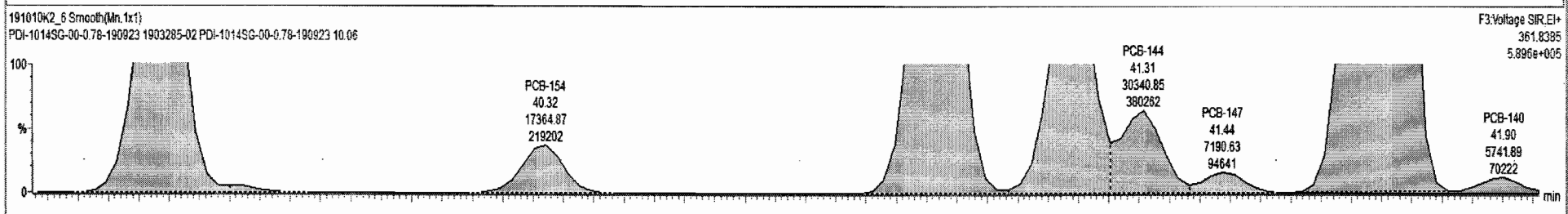
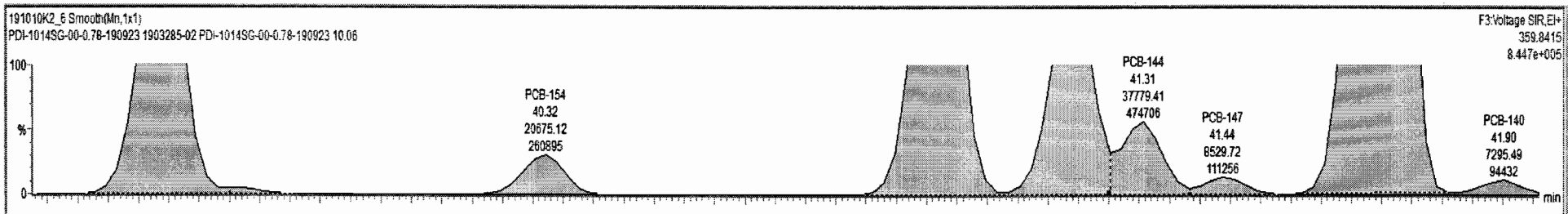




191010K2_6 - 1903285-02 PDI-1014SG-00-0.78-190923 10.06 - PDI-1014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wVvol	Pred.RT	RT	Pred.RL	RRF	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7739	5.576	0.00		0.000		NO	20410		8.68	20410
232	232 4th Function Hexa-PCBs				0.9719	5.576	0.00		0.000		NO	37470		47.0	37480

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
99	PCB-150	38.45	38.42	1.717e3	1.259e3	1.240	1.37	NO	21.234	21.234
2	100 PCB-152	38.94	38.89	6.279e2	5.104e2	1.240	1.23	NO	7.1432	7.1432
3	101 PCB-145	39.38	39.33	3.442e2	2.352e2	1.240	1.46	YES	3.3219	0.00000
4	102 PCB-136	39.74	39.69	1.536e5	1.222e5	1.240	1.26	NO	2061.3	2061.3



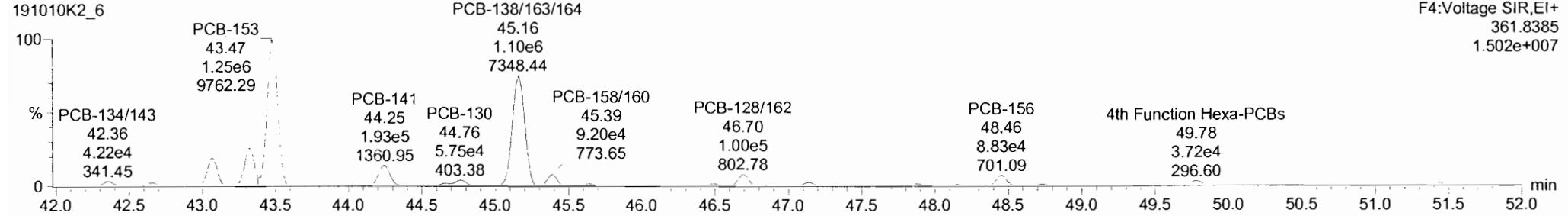
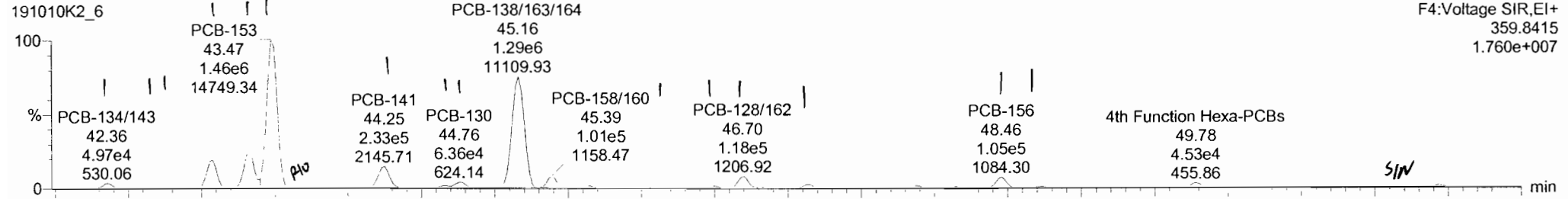
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Last Altered: Tuesday, October 15, 2019 12:51:20 Pacific Daylight Time

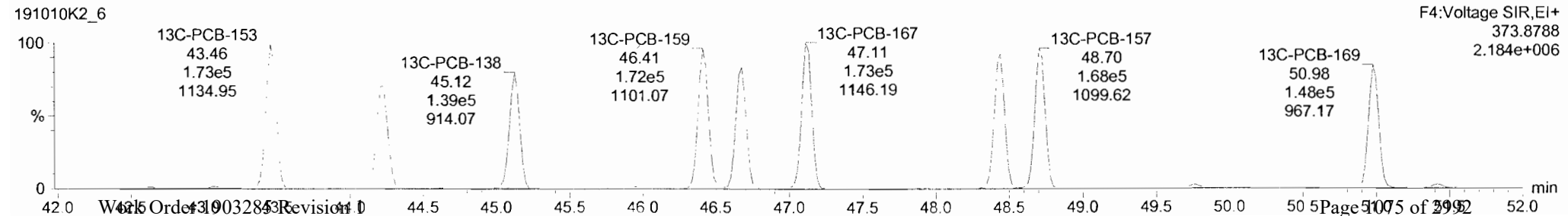
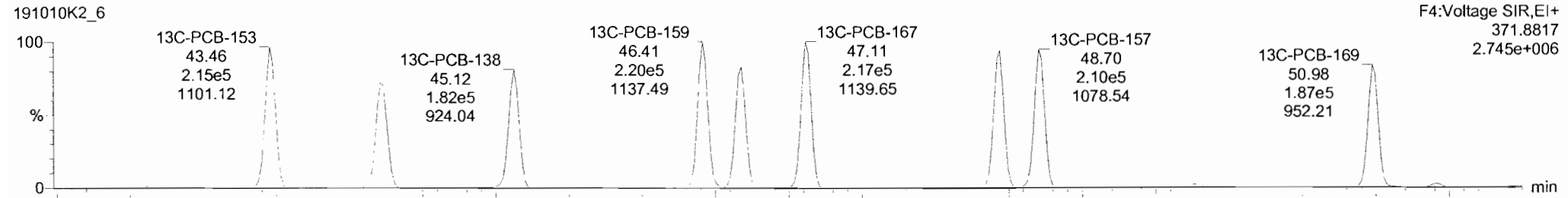
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PCB-134/143

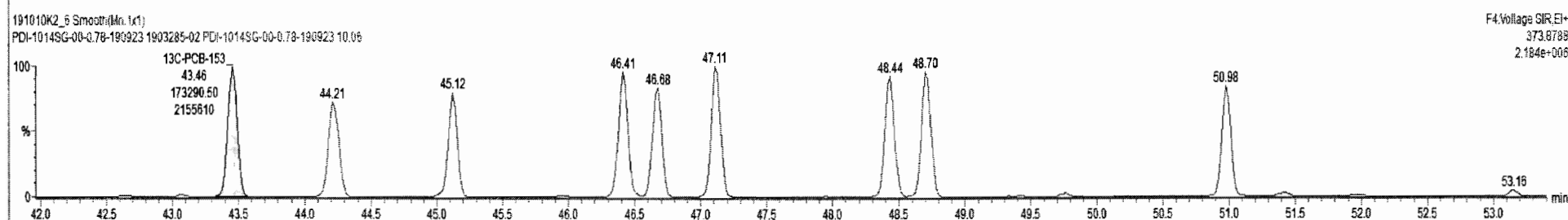
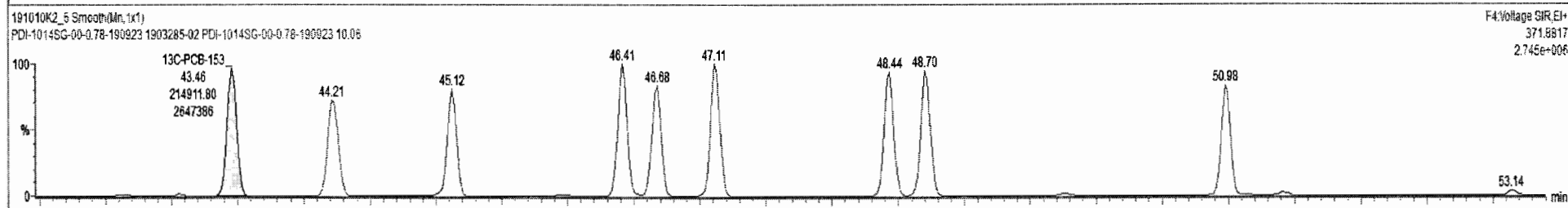
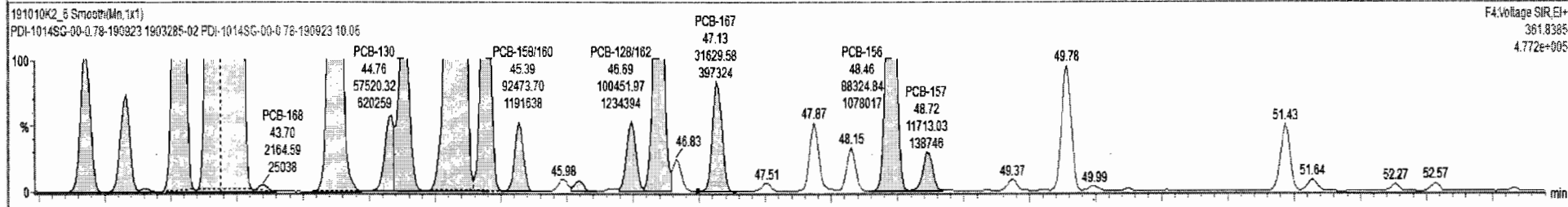
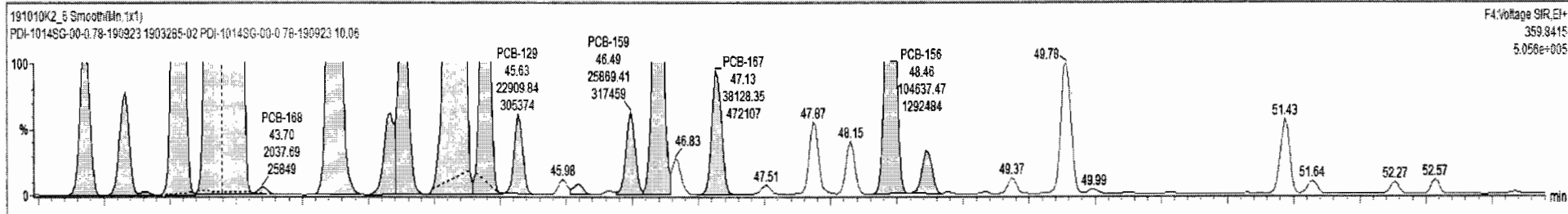


13C-PCB-153



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
231	3rd Function Hexa-PCBs				0.7739	5.576	0.00		0.000		NO	20280		8.68	20280

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.37	42.36	4.973e4	4.215e4	1.240	1.18	NO	578.78	578.78
2	112 PCB-131/133	42.65	42.66	3.171e4	2.855e4	1.240	1.13	NO	349.38	349.38
3	113 PCB-142	42.80	42.79	1.049e3	9.170e2	1.240	1.14	NO	12.829	12.829
4	114 PCB-148/185	43.06	43.08	2.717e5	2.290e5	1.240	1.19	NO	2410.9	2410.9



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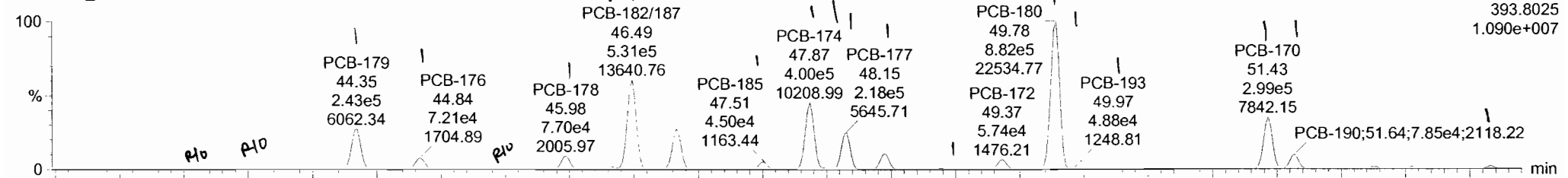
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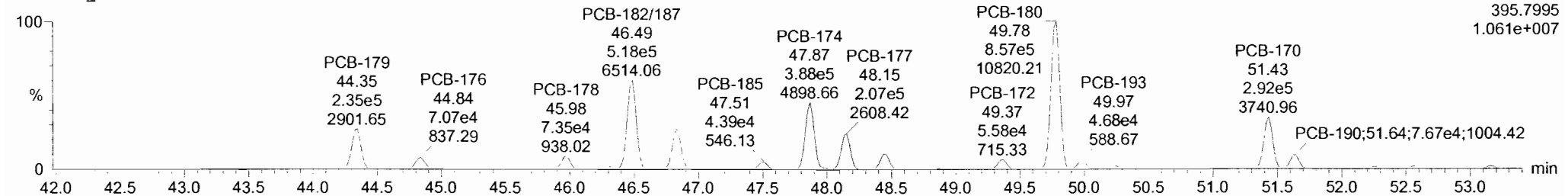
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PCB-188

191010K2_6

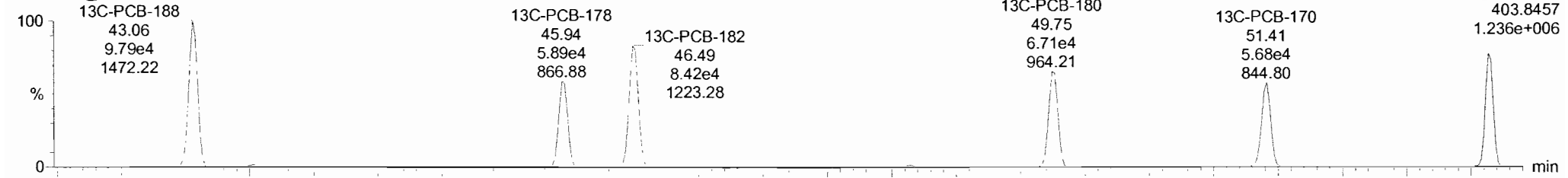


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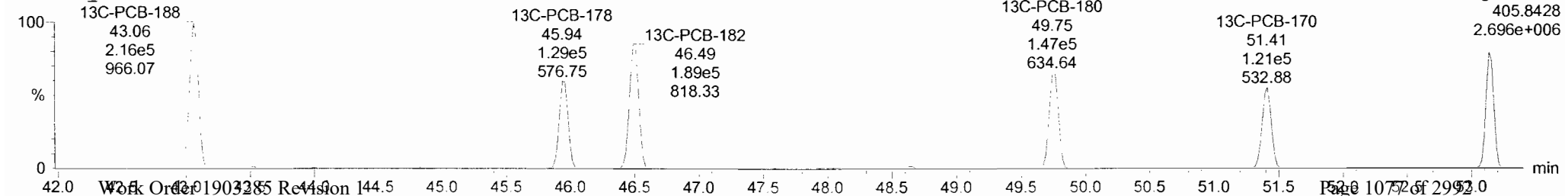


13C-PCB-188

191010K2_6

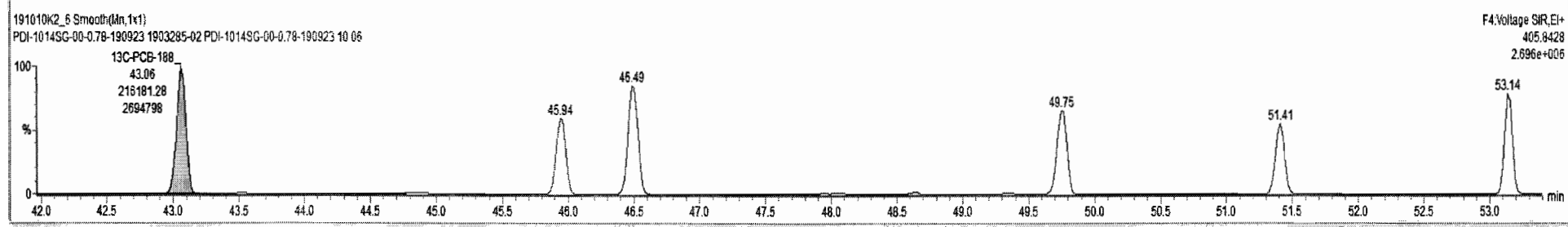
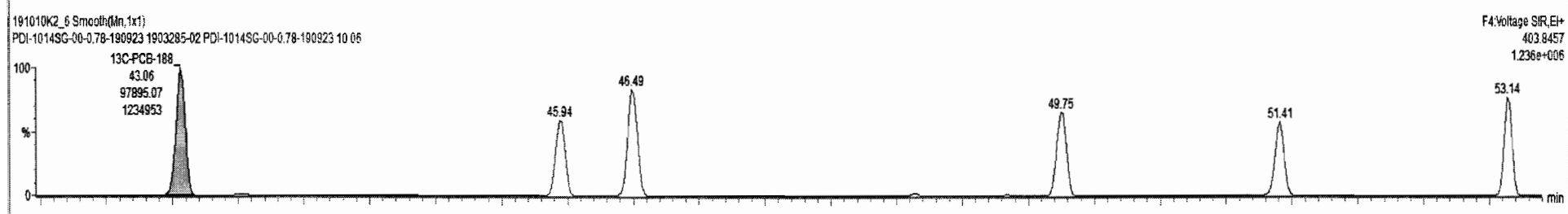
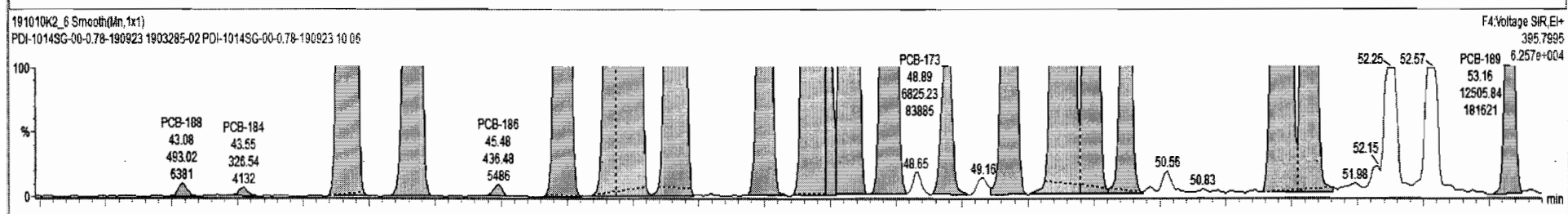
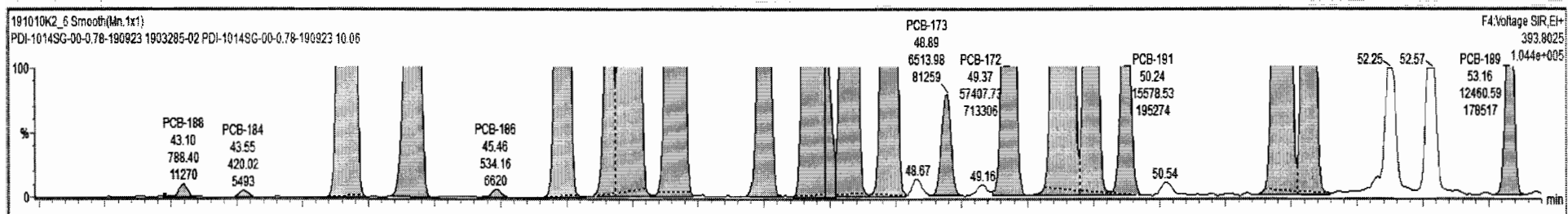


191010K2_6



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.L	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2636	5.578	0.00		0.000		NO	41450	32.5		41460
234	4th Function Octa-PCBs				0.8863	5.576	0.00		0.000		NO	6635	10.6		6936

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	131 PCB-188	43.10	43.10	7.884e2	4.530e2	1.050	1.60	YES	4.8366	0.00000
2	132 PCB-184	43.54	43.55	4.200e2	3.265e2	1.050	1.29	YES	3.2760	0.00000
3	133 PCB-179	44.35	44.35	2.437e5	2.353e5	1.050	1.94	NO	2325.2	2325.2
4	134 PCB-176	44.82	44.84	7.213e4	7.068e4	1.050	1.02	NO	793.35	783.35

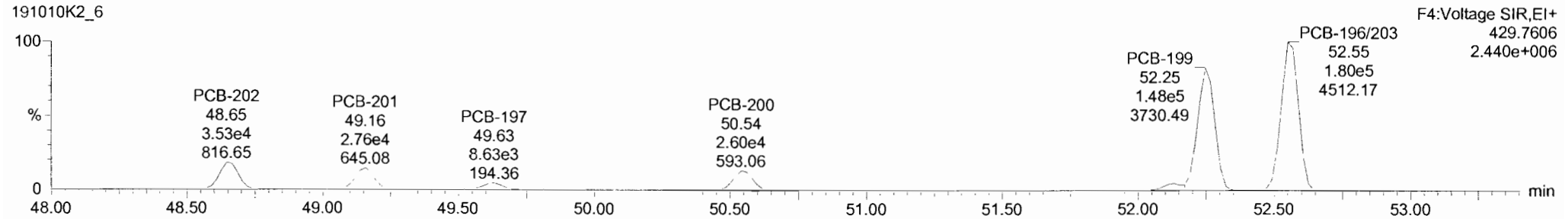
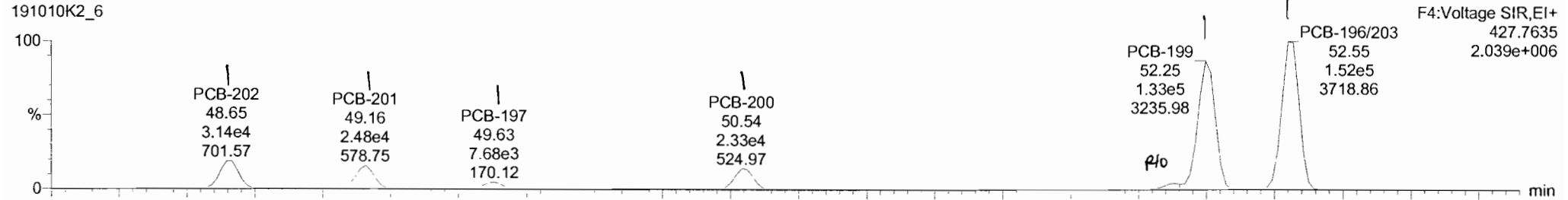


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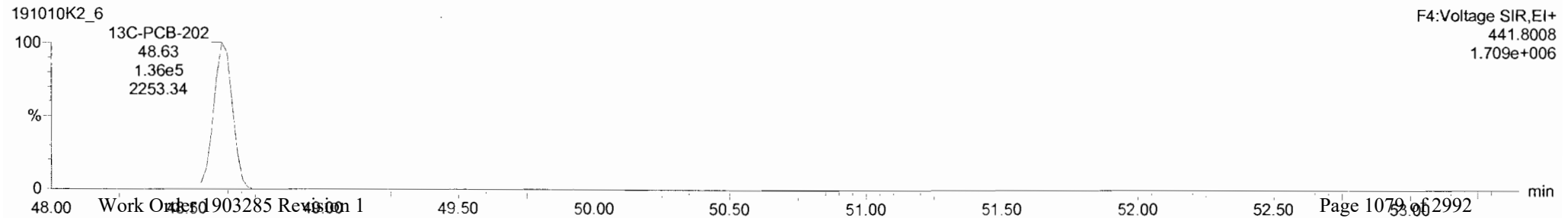
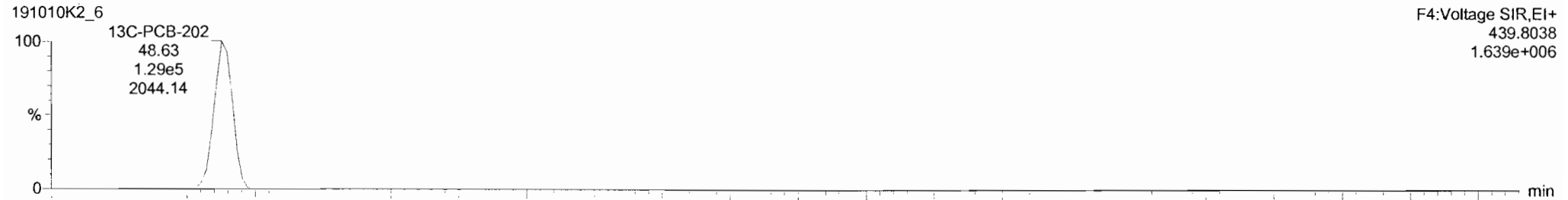
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Name: 191010K2_6, Date: 11-Oct-2019, Time: 08:18:14, ID: 1903285-02 PDI-1014SG-00-0.78-190923 10.06, Description: PDI-1014SG-00-0.78-190923

PCB-202



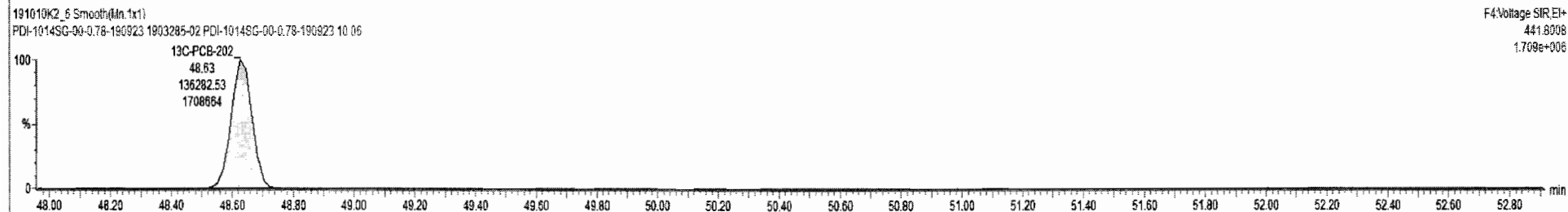
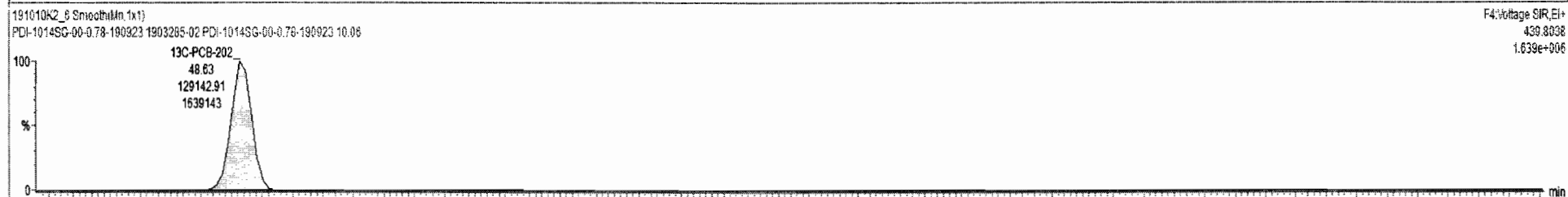
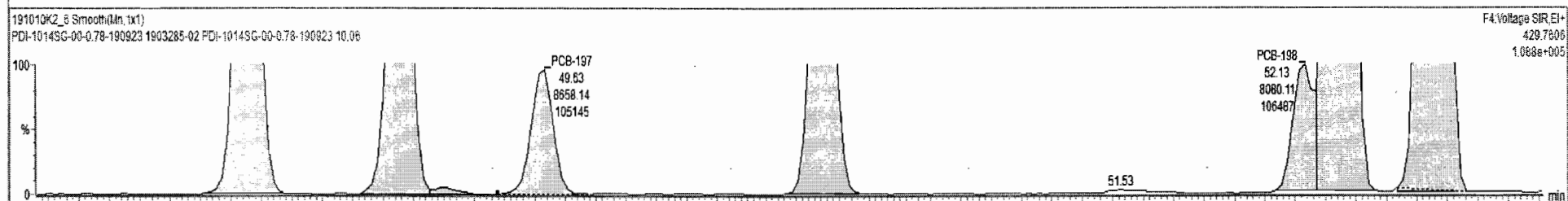
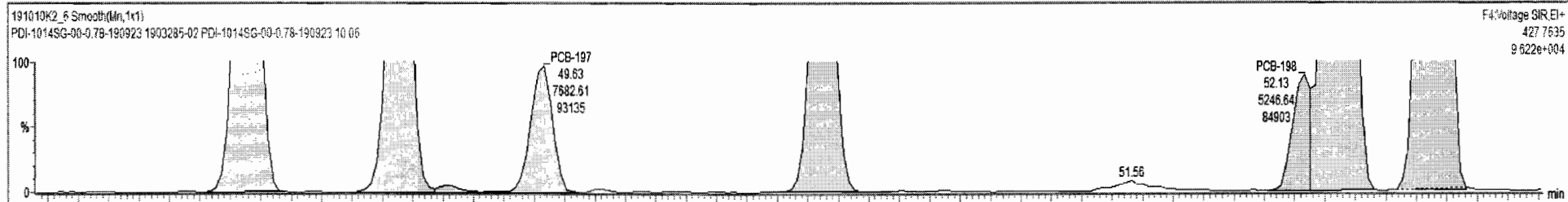
13C-PCB-202



191010K2_6 - 1903285-02 PDI-1014SG-00-0.78-190923 10.06 - PDI-1014SG-00-0.78-190923

#	Name	Resp	RA	dy	RRF	wt/vol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233	Total Hepta-PCBs			1.2636	5.576	0.00		0.000		NO	41460		32.5	41470

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	dy	EMPC	Conc.
1	154 PCB-202	48.67	48.65	3.137e4	3.528e4	0.890	0.89	NO	439.67	439.67
2	155 PCB-201	49.15	49.16	2.485e4	2.759e4	0.890	0.90	NO	387.12	387.12
3	156 PCB-204	49.30	49.33	3.745e2	4.557e2	0.890	0.82	NO	5.7292	5.7292
4	157 PCB-197	49.62	49.63	7.683e3	8.658e3	0.890	0.89	NO	112.77	112.77



Custom Reporting: Select reports to generate

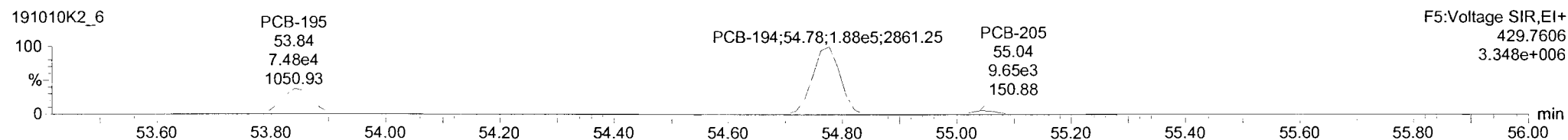
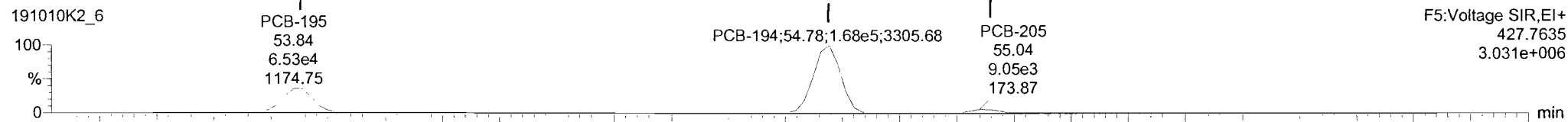
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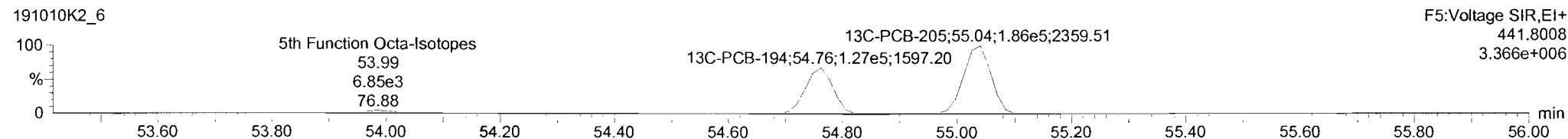
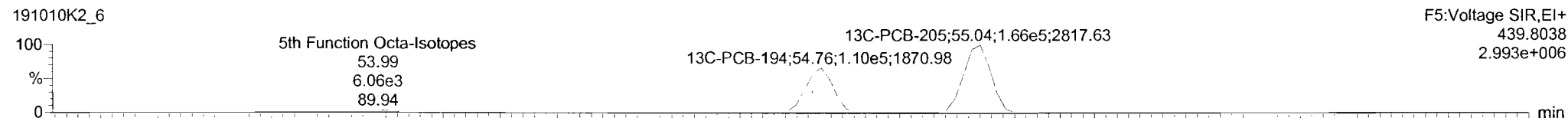
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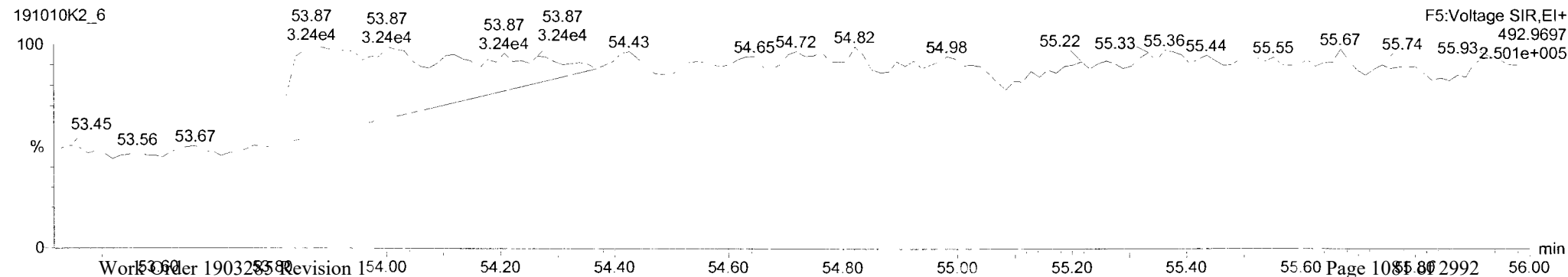
PCB-195



13C-PCB-194



PFK5



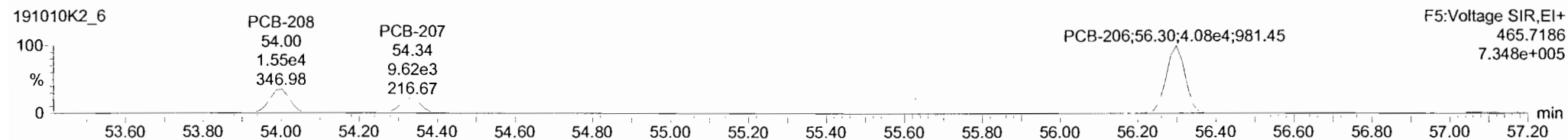
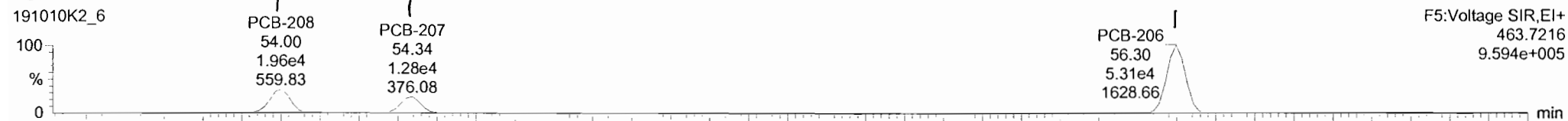
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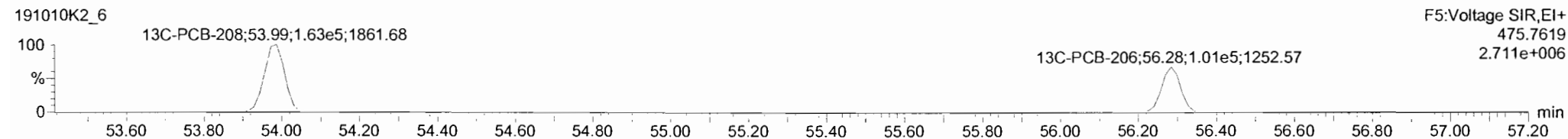
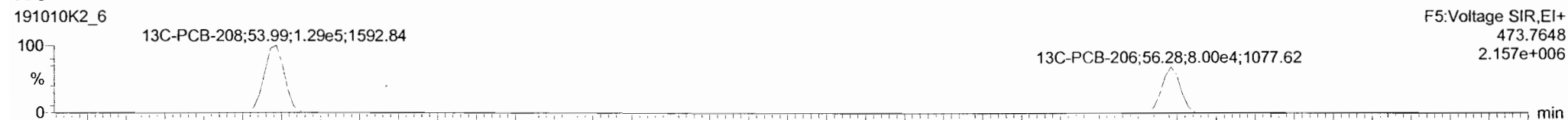
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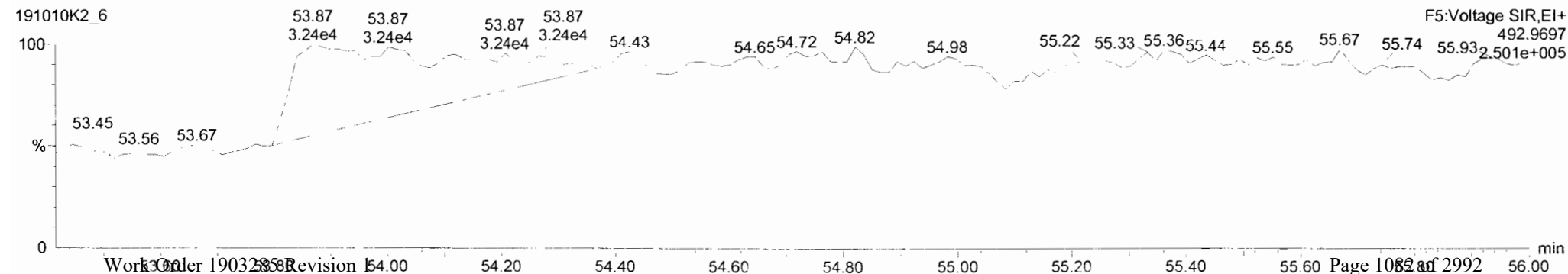
PCB-208



13C-PCB-208



PFK5



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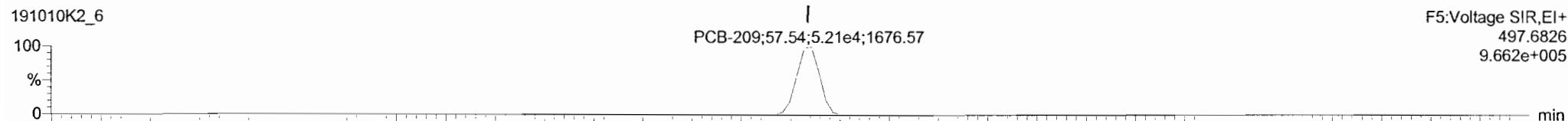
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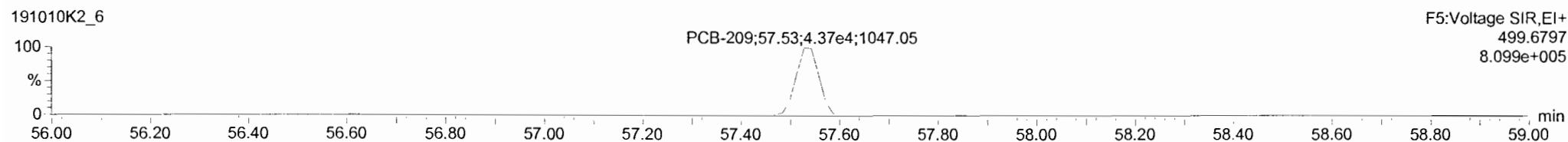
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PCB-209

191010K2_6

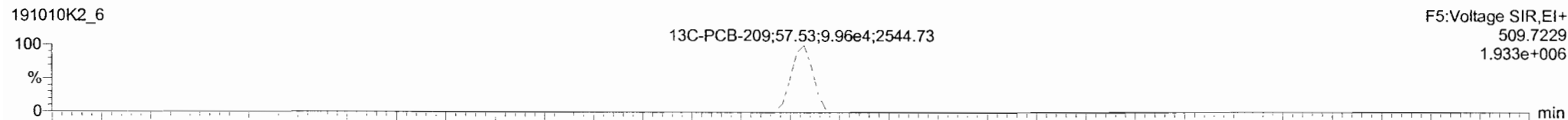


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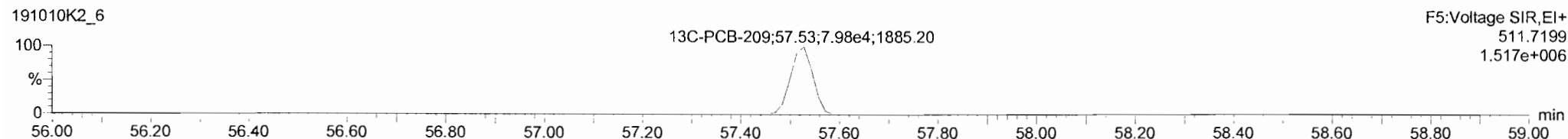


13C-PCB-209

191010K2_6

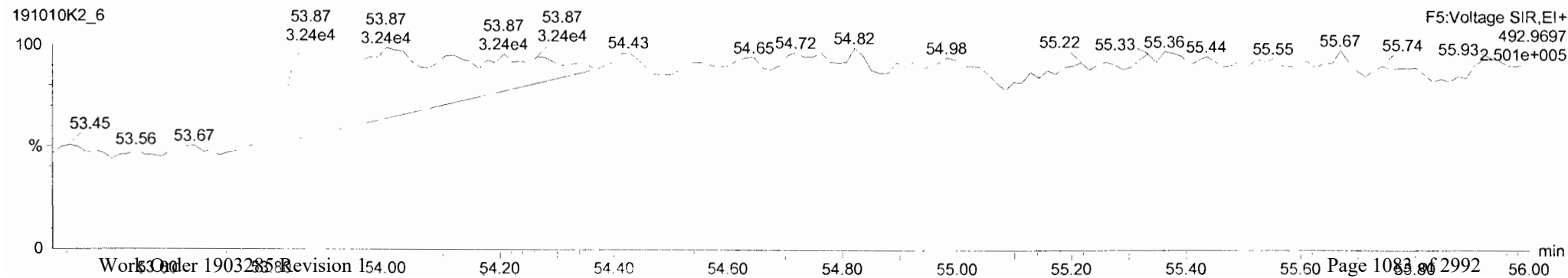


191010K2_6



PFK5

191010K2_6



Dataset: U:\VG11.PRO\Results\191028K3\191028K3-4.qld

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Printed: Wednesday, October 30, 2019 09:38:01 Pacific Daylight Time

GRB 10/30/19

HL 10/31/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	8.08e2	2.06	YES	1.02	0.965 ✓	15.24	15.25	1.001	1.001	NO	99.31		16.4	88.26
2	2 PCB-2	5.67e2	1.85	YES	1.01	0.965	17.62	17.64	0.988	0.989	NO	67.00		16.5	57.34
3	3 PCB-3	1.02e3	2.60	YES	1.01	0.965	17.85	17.86	1.001	1.001	NO	120.8		16.5	115.1
4	4 PCB-4/10			NO	1.28	0.965	19.27		1.004		YES			59.9	
5	5 PCB-7/9			NO	0.976	0.965	21.05		1.003		YES			47.4	
6	6 PCB-6	2.43e3	1.38	NO	1.02	0.965	21.69	21.70	1.033	1.034	NO	262.3		45.5	262.3
7	7 PCB-5/8	9.40e3	1.65	NO	1.01	0.965	22.09	22.10	1.052	1.053	NO	1023		45.7	1023
8	8 PCB-14			NO	1.03	0.965	23.28		0.952		YES			60.0	
9	9 PCB-11			NO	1.10	0.965	24.48		1.001		YES			56.6	
10	10 PCB-12/13			NO	1.04	0.965	24.90		1.018		YES			59.8	
11	11 PCB-15	7.77e3	1.39	NO	1.03	0.965	25.20	25.17	1.030	1.029	NO	788.5		60.3	788.5
12	12 PCB-19	8.87e2	1.14	NO	0.934	0.965	23.43	23.40	1.001	1.000	NO	239.8		46.7	239.8
13	13 PCB-30			NO	1.48	0.965	24.33		1.040		YES			29.5	
14	14 PCB-18	8.07e3	1.02	NO	0.693	0.965	25.09	25.12	0.951	0.953	NO	1881		42.7	1881
15	15 PCB-17	8.51e3	1.00	NO	0.667	0.965	25.27	25.26	0.958	0.958	NO	2061		44.4	2061
16	16 PCB-24/27	1.15e3	1.09	NO	0.915	0.965	25.87	25.84	0.981	0.980	NO	202.7		32.4	202.7
17	17 PCB-16/32	1.18e4	0.97	NO	0.792	0.965	26.39	26.39	1.001	1.001	NO	2400		37.3	2400
18	18 PCB-34	8.34e2	1.16	NO	0.987	0.965	27.20	27.22	0.959	0.959	NO	107.5		27.1	107.5
19	19 PCB-23			NO	0.974	0.965	27.30		0.962		YES			27.4	
20	20 PCB-29			NO	0.953	0.965	27.53		0.970		YES			28.0	
21	21 PCB-26	8.65e3	1.08	NO	1.00	0.965	27.77	27.77	0.979	0.979	NO	1099		26.7	1099
22	22 PCB-25	4.06e3	1.17	NO	0.978	0.965	27.92	27.94	0.984	0.985	NO	527.6		27.3	527.6
23	23 PCB-31	4.43e4	1.01	NO	1.12	0.965	28.30	28.29	0.998	0.997	NO	5014		23.8	5014
24	24 PCB-28	5.50e4	1.04	NO	1.11	0.965	28.39	28.41	1.001	1.001	NO	6318		24.2	6318
25	25 PCB-20/21/33	2.19e4	1.04	NO	1.00	0.965	29.02	29.06	1.023	1.024	NO	2780		26.6	2780
26	26 PCB-22	1.25e4	1.08	NO	1.03	0.965	29.49	29.49	1.039	1.039	NO	1535		25.9	1535
27	27 PCB-36			NO	1.18	0.965	30.10		0.930		YES			27.6	
28	28 PCB-39			NO	1.08	0.965	30.58		0.945		YES			29.9	
29	29 PCB-38	7.60e2	0.90	NO	1.13	0.965	31.38	31.40	0.970	0.971	NO	96.63		28.7	96.63
30	30 PCB-35	8.60e2	1.12	NO	1.13	0.965	31.92	31.94	0.987	0.987	NO	109.0		28.6	109.0
31	31 PCB-37	1.02e4	1.01	NO	1.11	0.965	32.39	32.39	1.001	1.001	NO	1321		29.3	1321

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-4.qld

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Printed: Wednesday, October 30, 2019 09:38:01 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	1... 13C-PCB-1	1.65e5	3.30	NO	1.08	0.965	15.22	15.23	0.605	0.605	NO	15490	74.7	202	
33	1... 13C-PCB-3	1.74e5	3.33	NO	1.09	0.965	17.84	17.84	0.709	0.709	NO	16100	77.6	200	
34	1... 13C-PCB-4	1.15e5	1.60	NO	0.640	0.965	19.19	19.19	0.763	0.763	NO	18220	87.9	47.9	
35	1... 13C-PCB-9	1.89e5	1.58	NO	0.995	0.965	20.99	20.99	0.834	0.834	NO	19120	92.2	30.8	
36	1... 13C-PCB-11	1.99e5	1.60	NO	0.971	0.965	24.45	24.46	0.972	0.972	NO	20660	99.6	31.6	
37	1... 13C-PCB-19	8.21e4	1.04	NO	0.637	0.965	23.40	23.40	0.930	0.930	NO	13010	62.7	469	
38	1... 13C-PCB-32	1.28e5	1.02	NO	0.910	0.965	26.39	26.37	1.049	1.048	NO	14250	68.7	329	
39	1... 13C-PCB-28	1.63e5	0.99	NO	1.07	0.965	28.38	28.37	1.004	1.003	NO	19800	95.5	471	
40	1... 13C-PCB-37	1.45e5	1.02	NO	0.959	0.965	32.38	32.35	1.145	1.144	NO	19560	94.3	524	
41	2... 13C-PCB-15	2.05e5	1.60	NO	1.00	0.965	25.12	25.16	1.000	0.000	NO	20740	100	30.7	
42	2... 13C-PCB-31	1.60e5	0.97	NO	1.00	0.965	28.24	28.27	1.000	0.000	NO	20740	100	503	

Conc.
 MDND PCB total *260.7 -* *EMPC*
 Di-PCB total *2073.8 -* *2073.8 -*
 Tri-PCB total *25692.23 -* *25692.23 -*

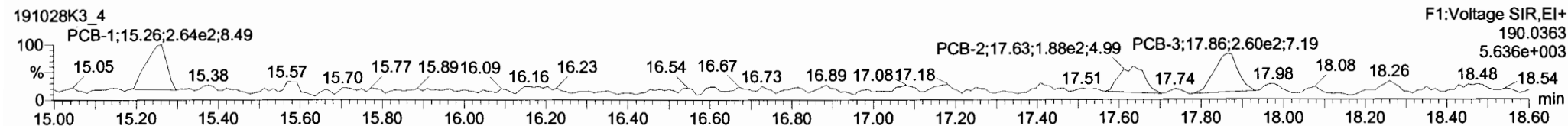
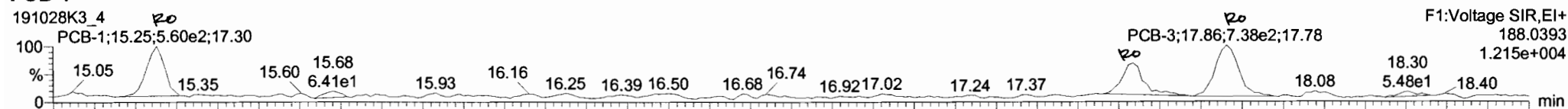
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Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

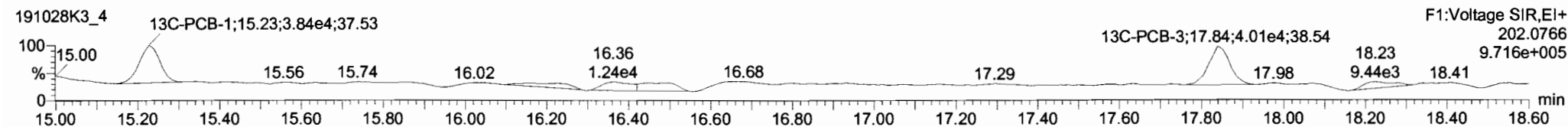
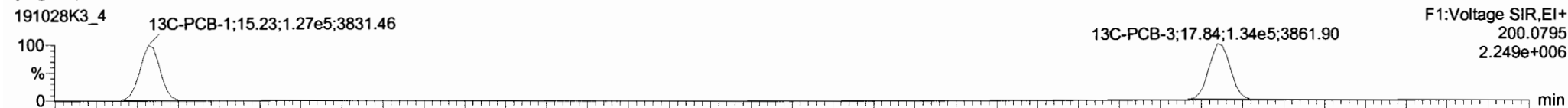
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Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

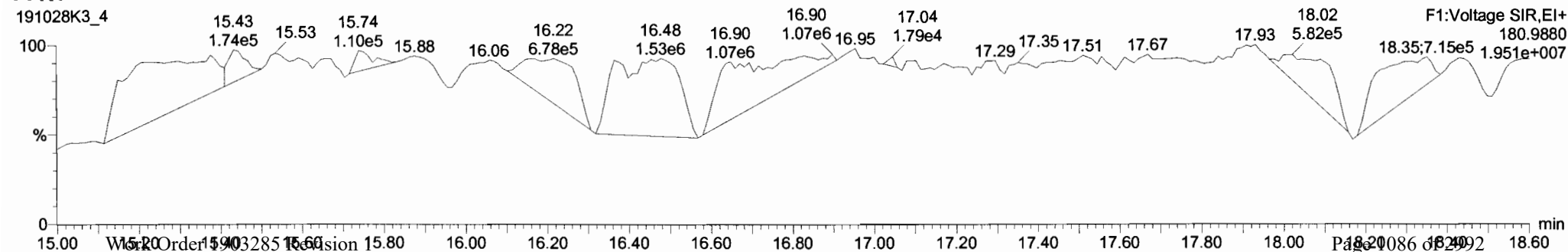
PCB-1

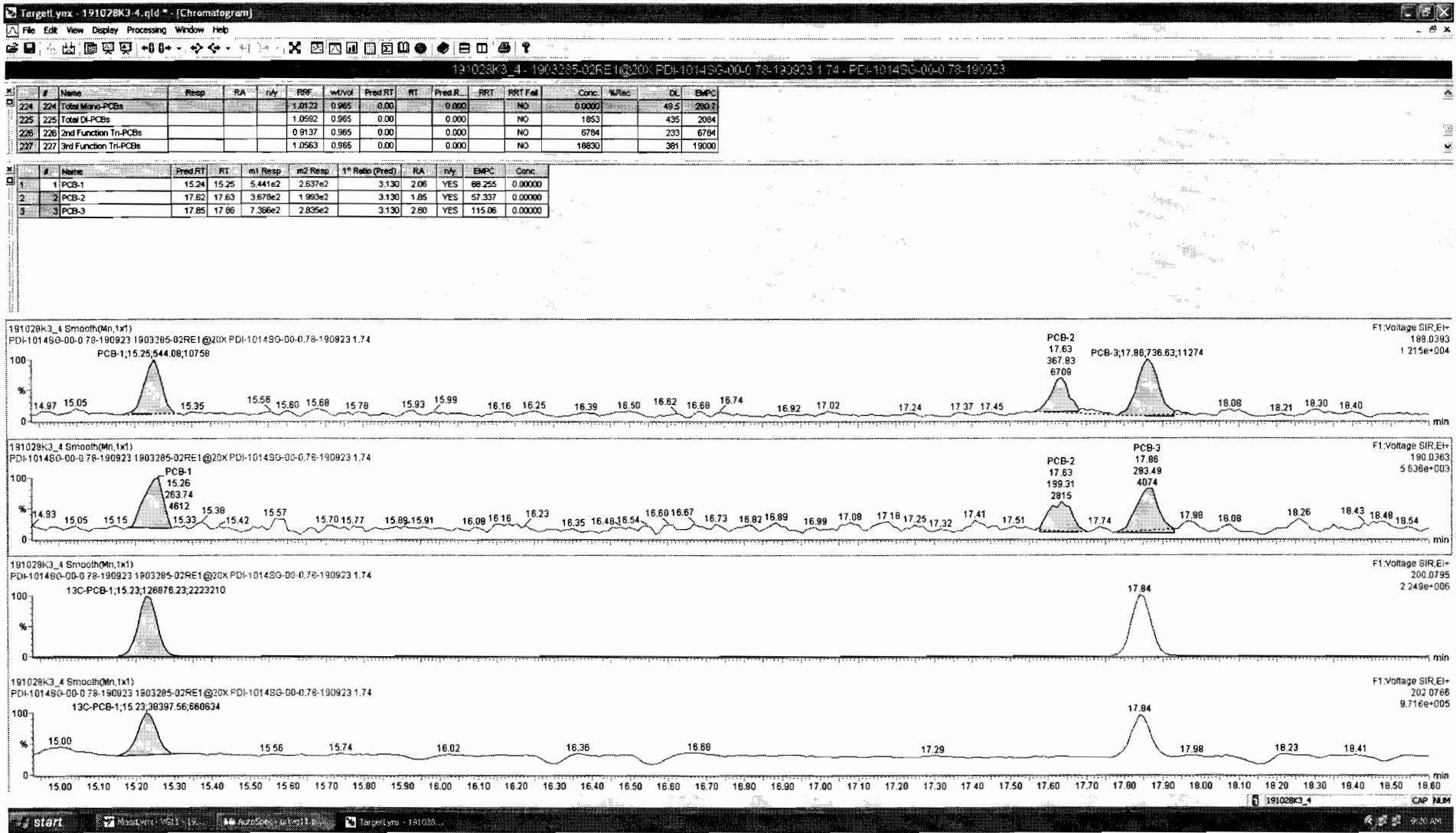


13C-PCB-1



PFK1





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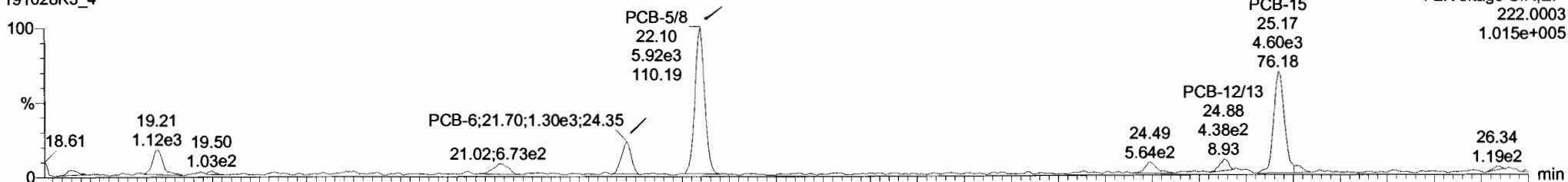
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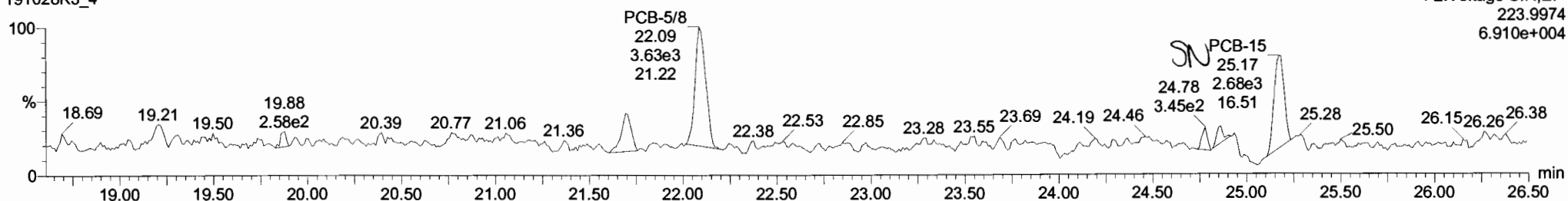
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PCB-4/10

191028K3_4

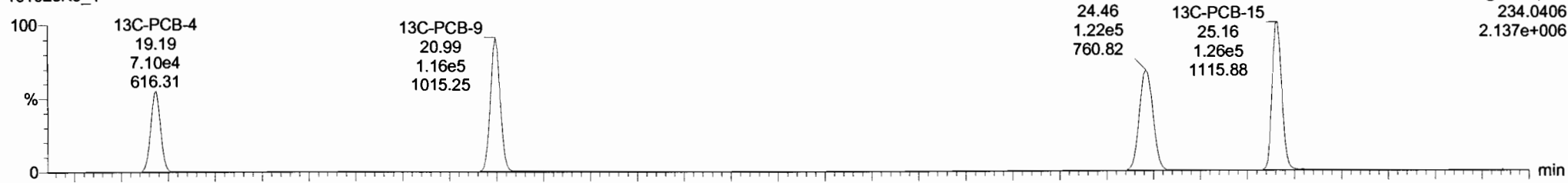


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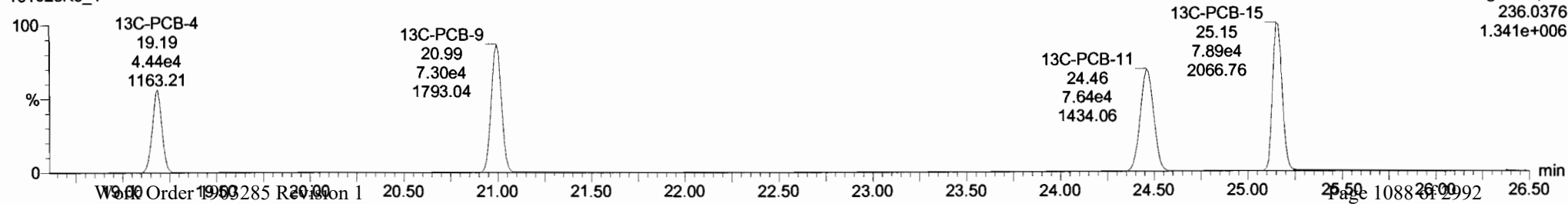


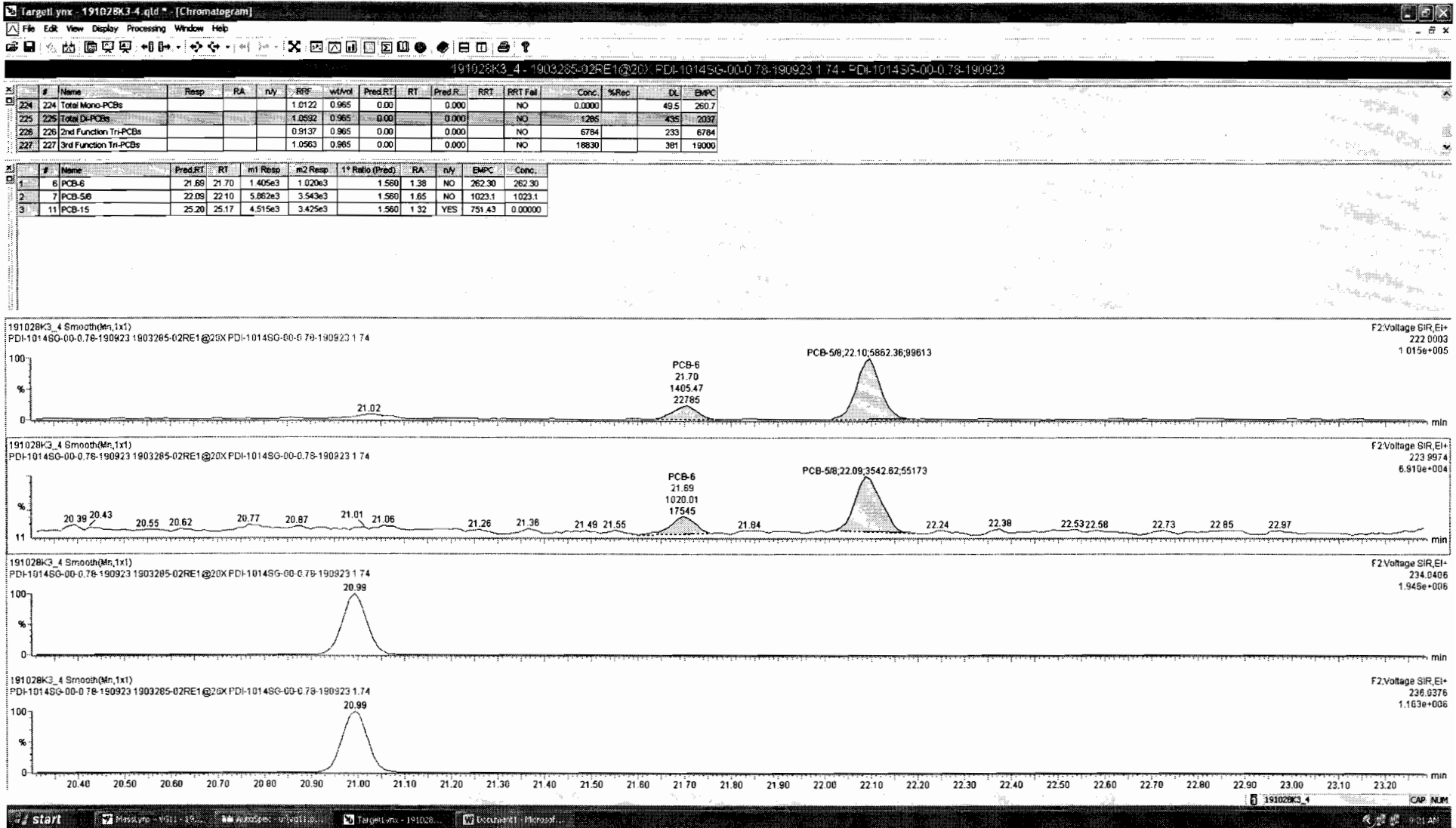
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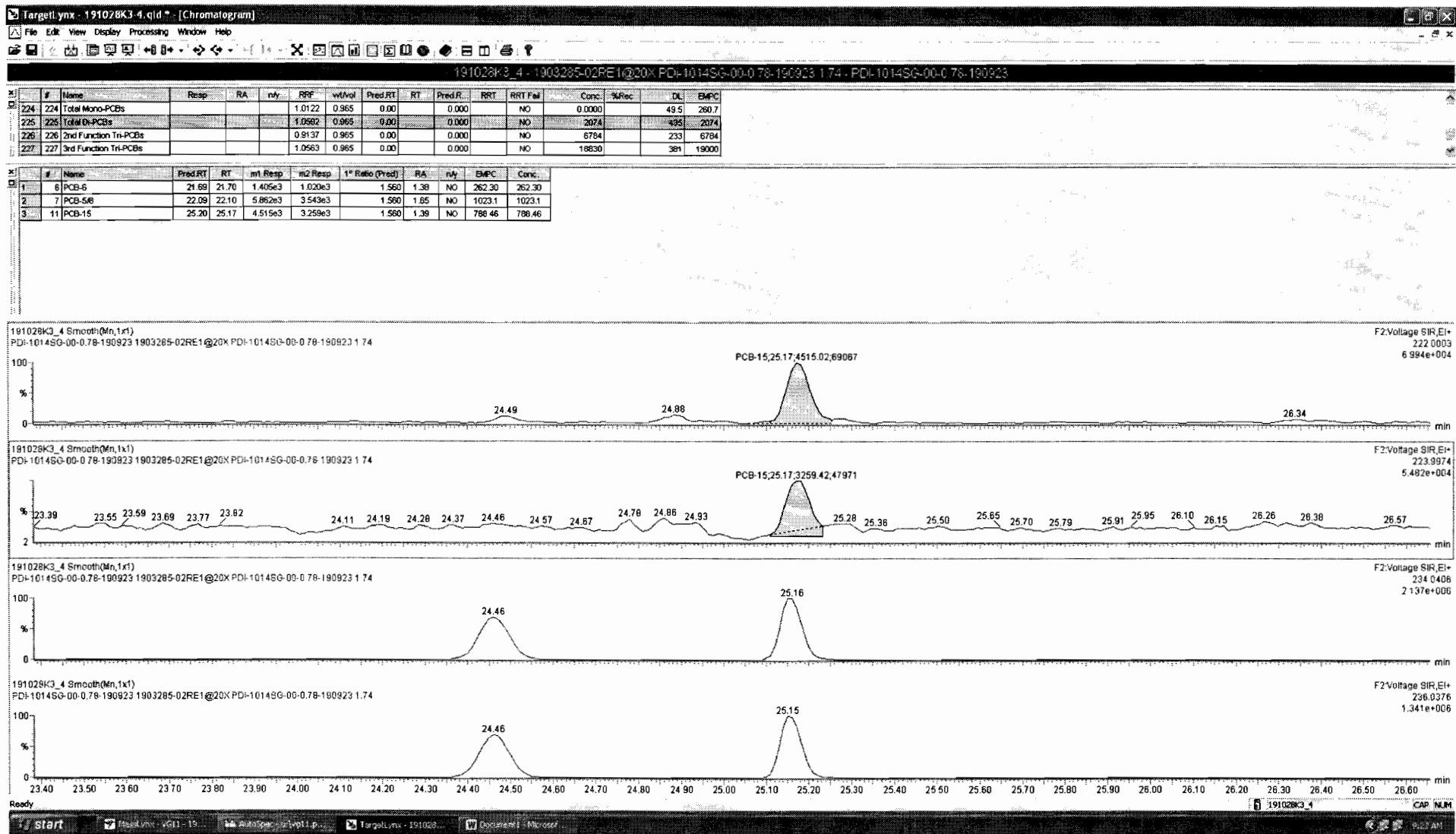
191028K3_4



191028K3_4







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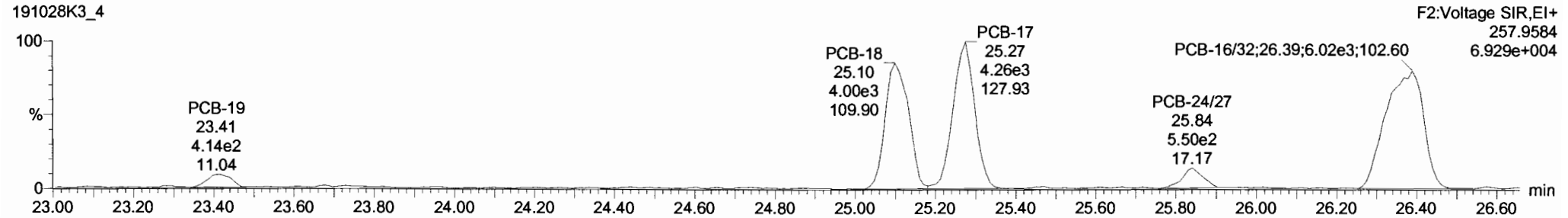
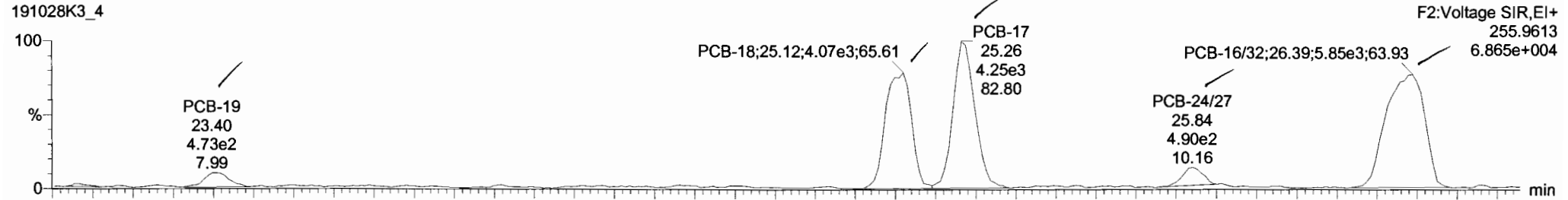
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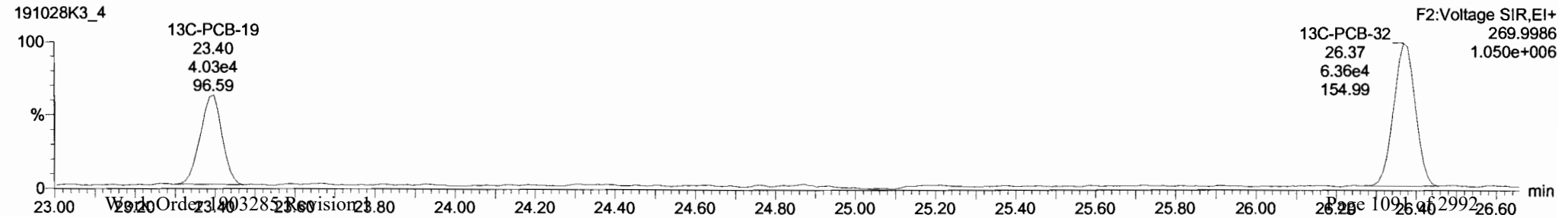
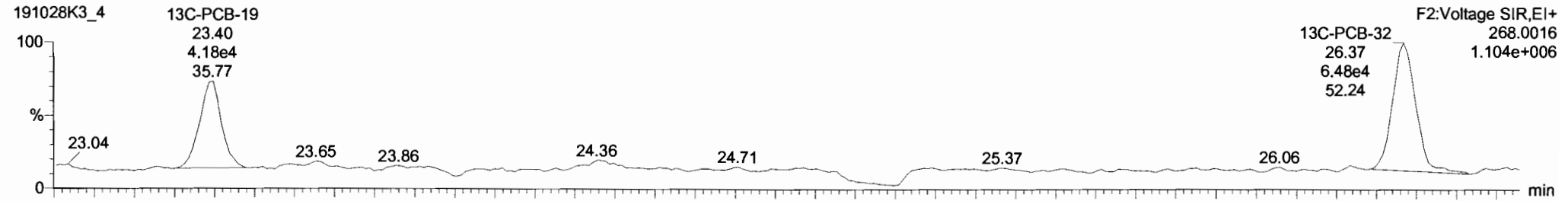
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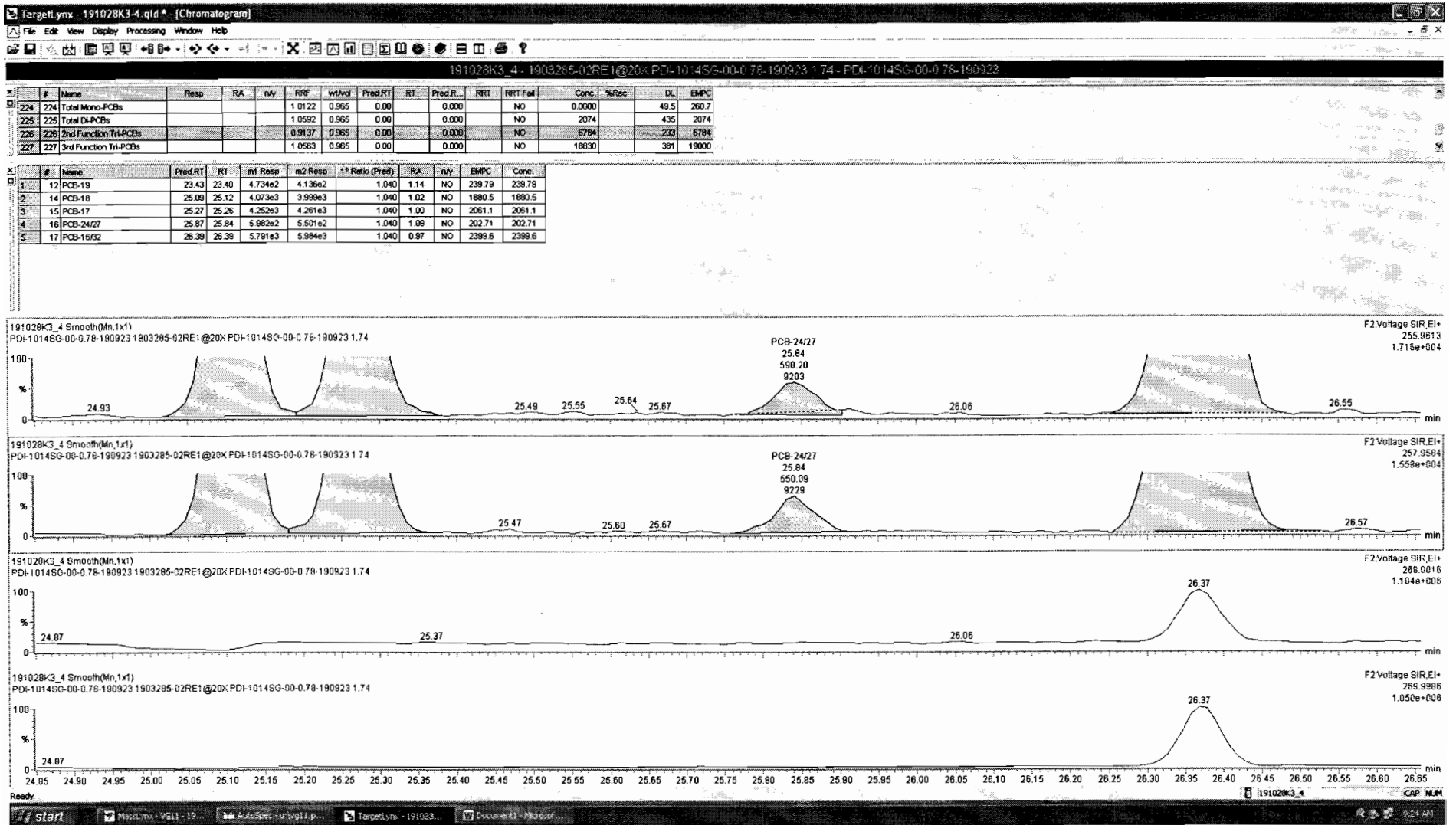
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PCB-19



13C-PCB-19





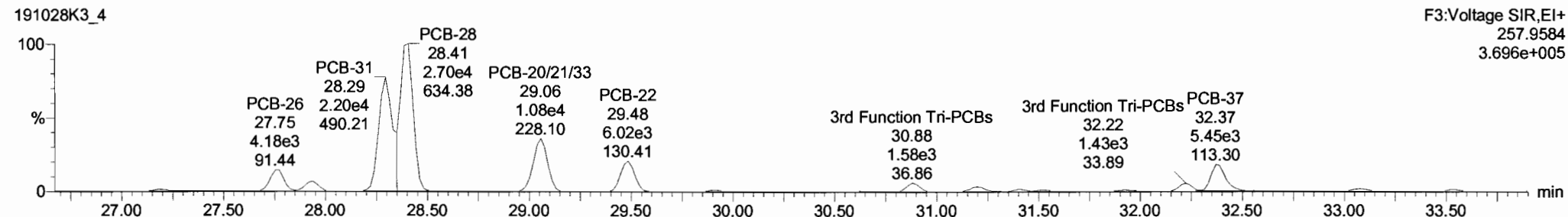
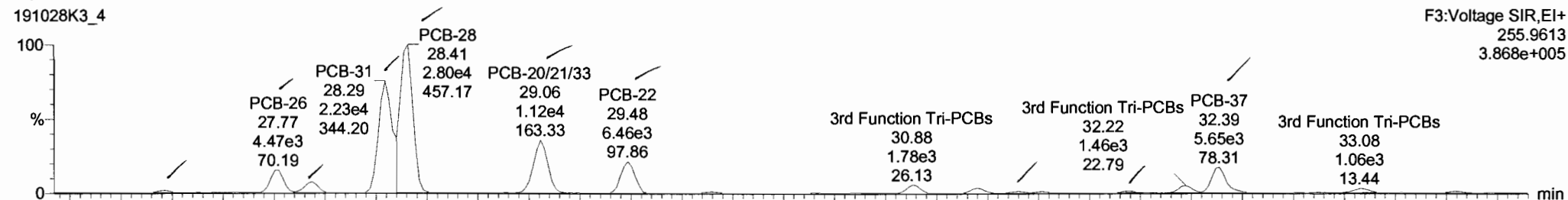
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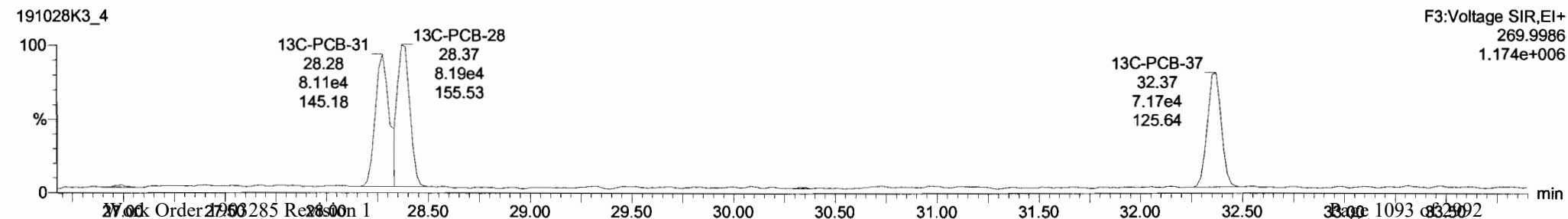
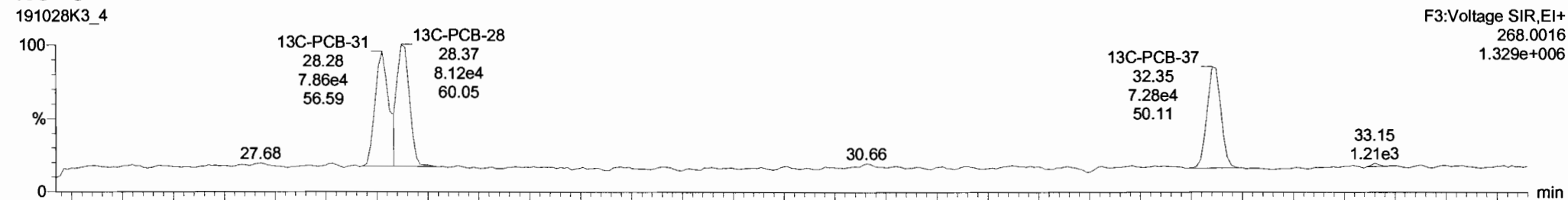
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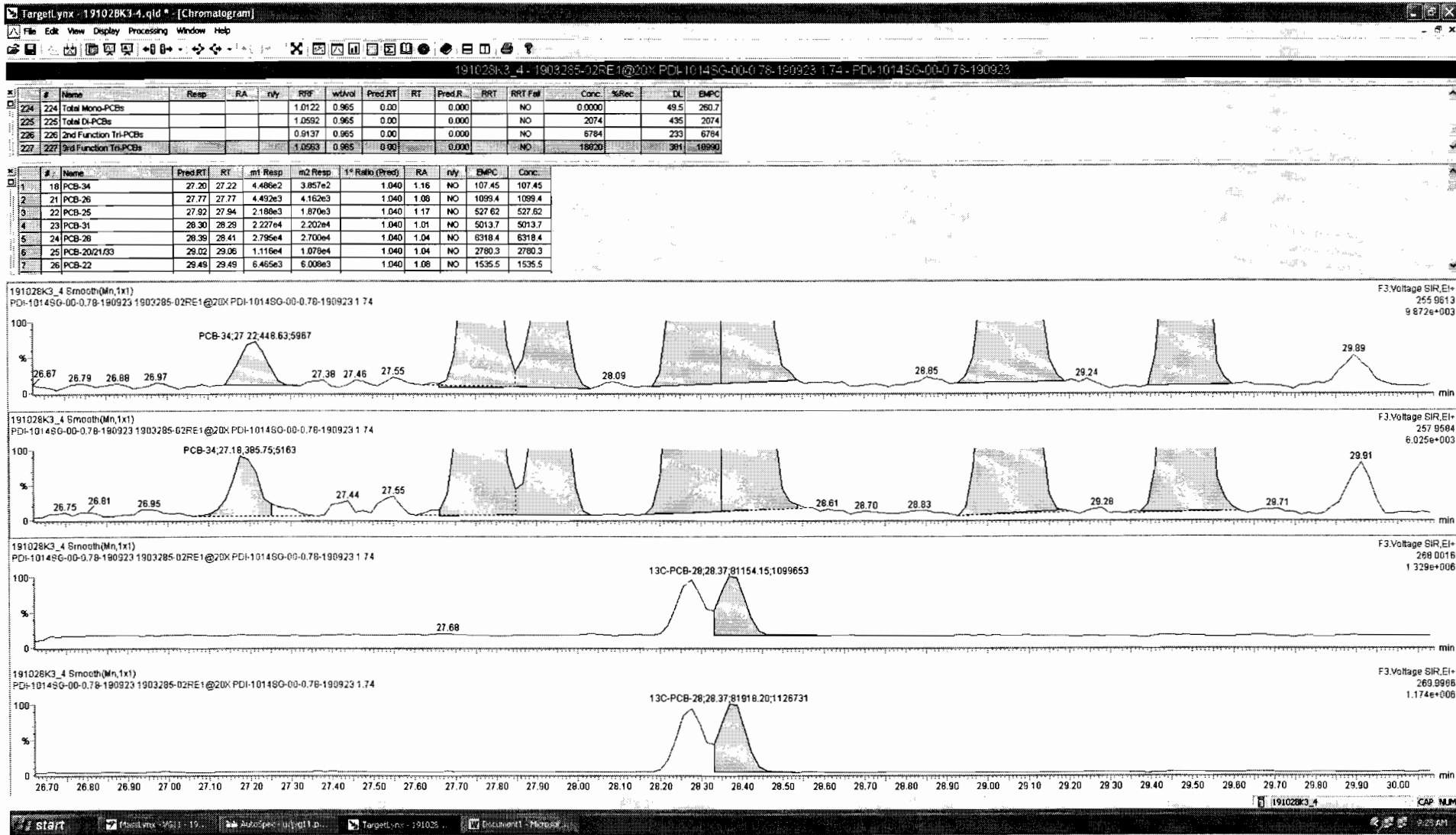
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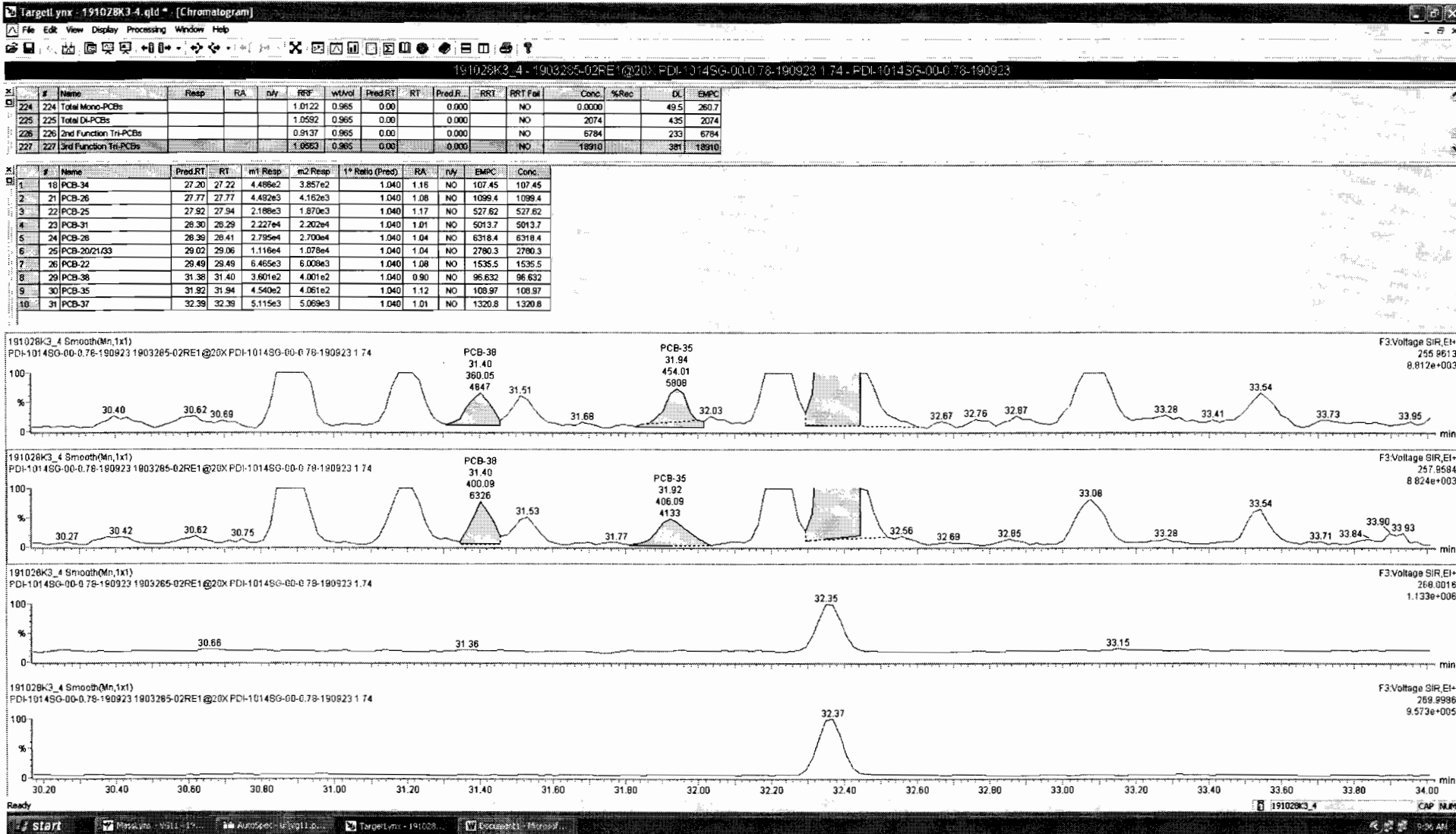
PCB-34

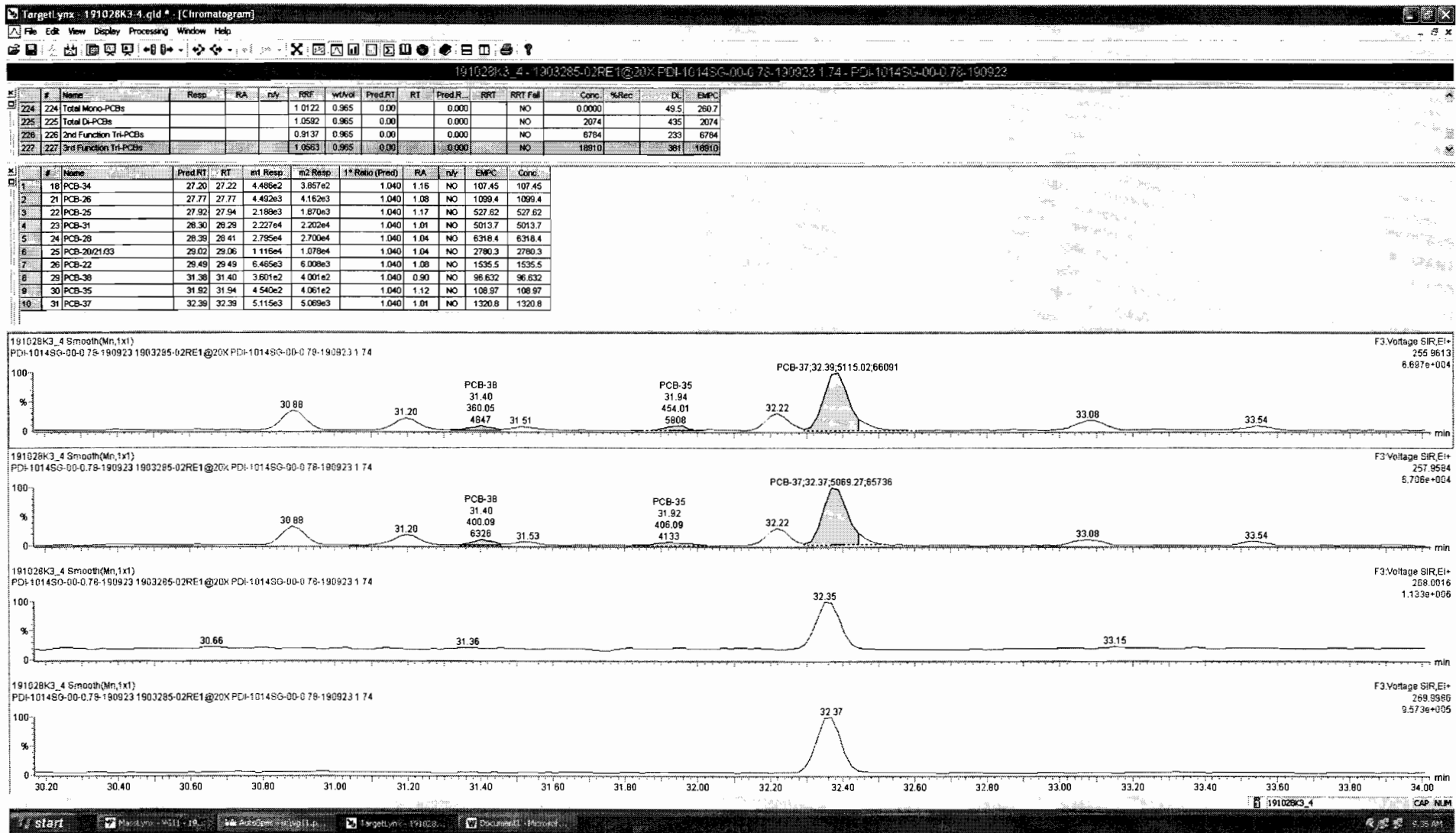


13C-PCB-28







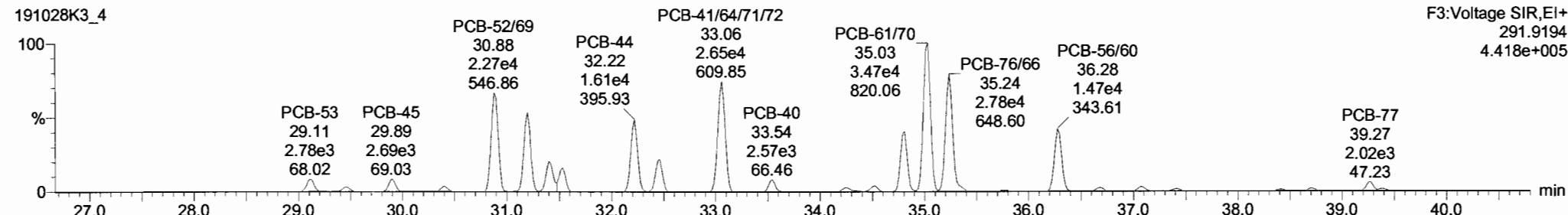
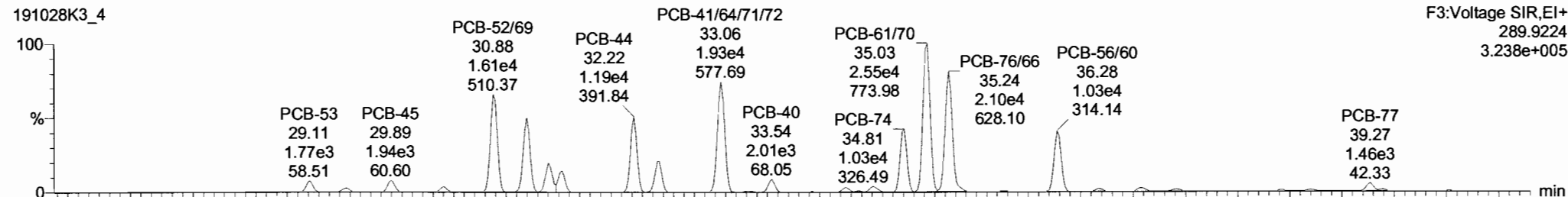


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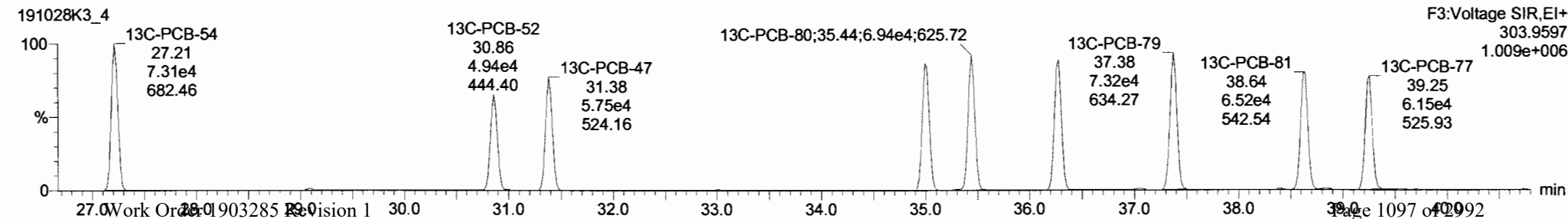
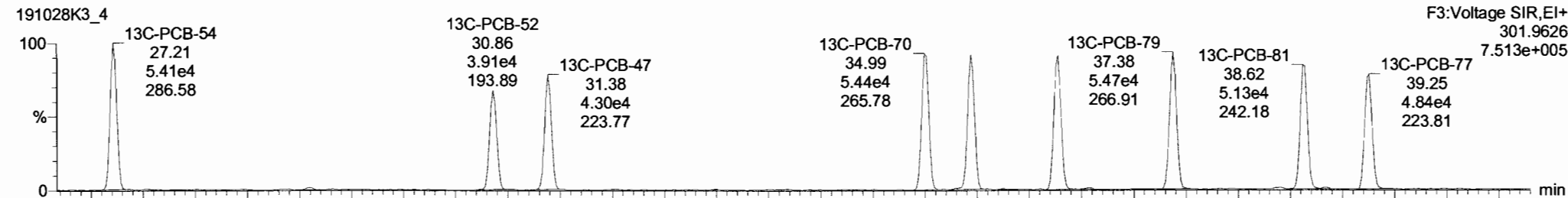
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PCB-54



13C-PCB-54



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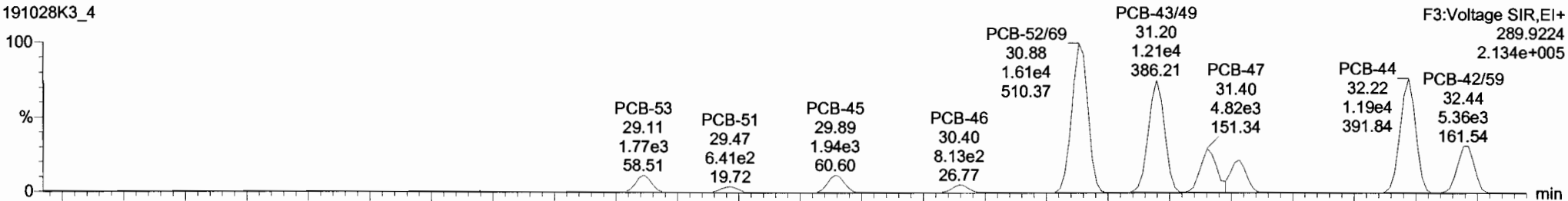
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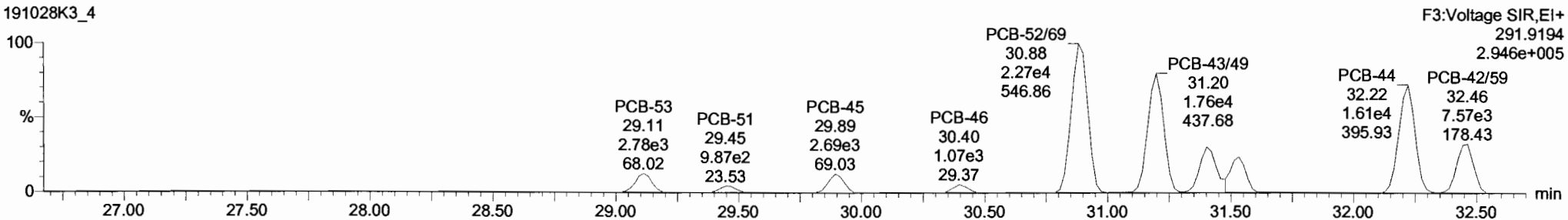
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PCB-50

191028K3_4

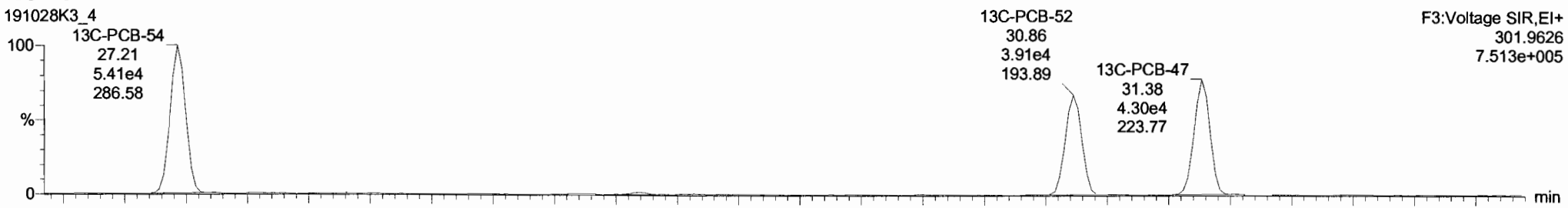


191028K3_4

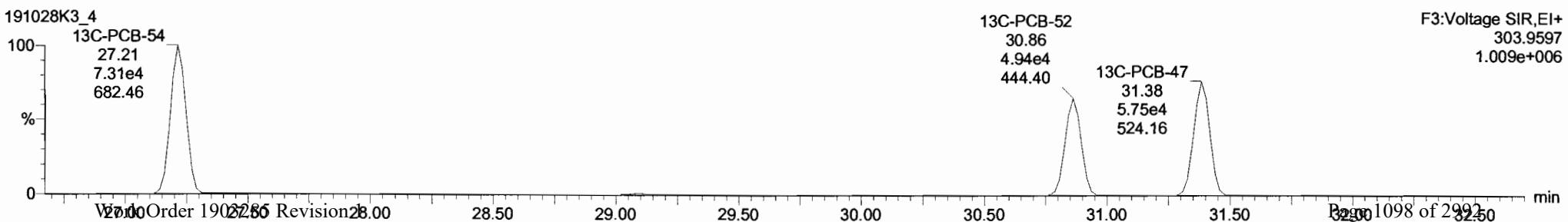


13C-PCB-52

191028K3_4



191028K3_4



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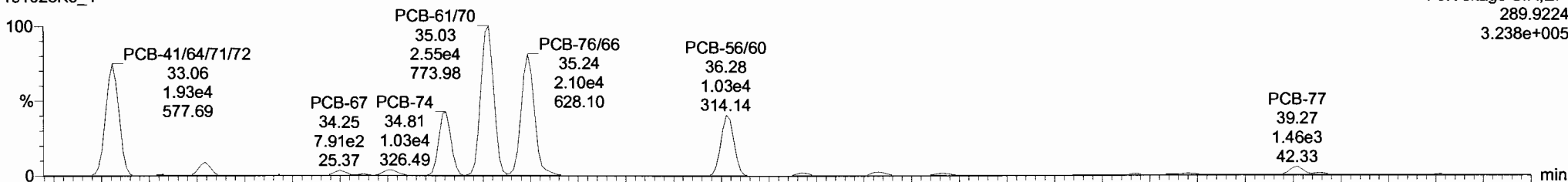
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PCB-68

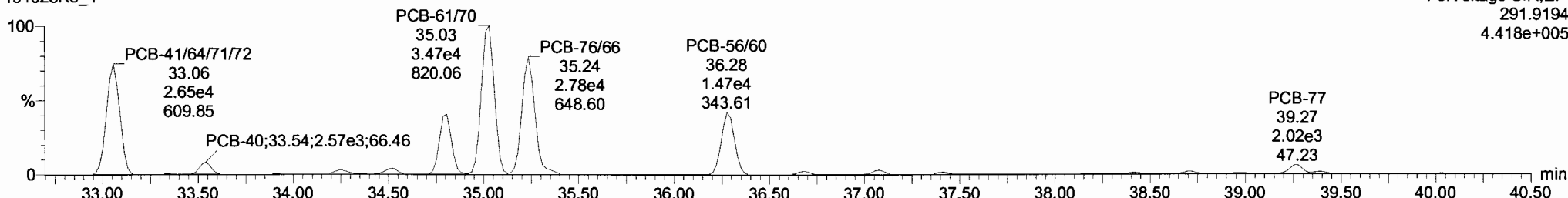
191028K3_4

F3:Voltage SIR,EI+
289.9224
3.238e+005



191028K3_4

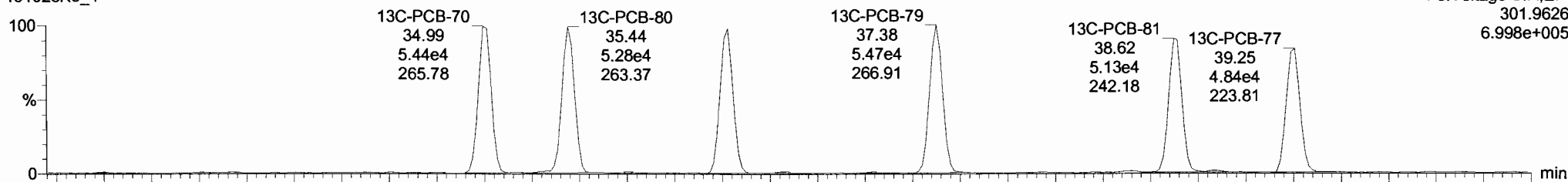
F3:Voltage SIR,EI+
291.9194
4.418e+005



13C-PCB-60

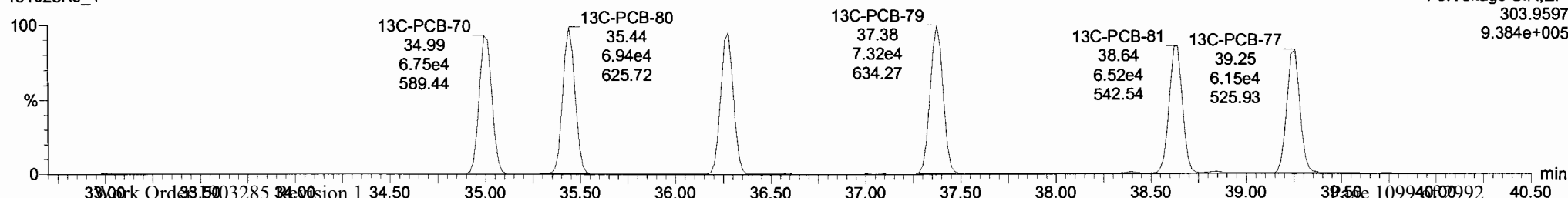
191028K3_4

F3:Voltage SIR,EI+
301.9626
6.998e+005



191028K3_4

F3:Voltage SIR,EI+
303.9597
9.384e+005



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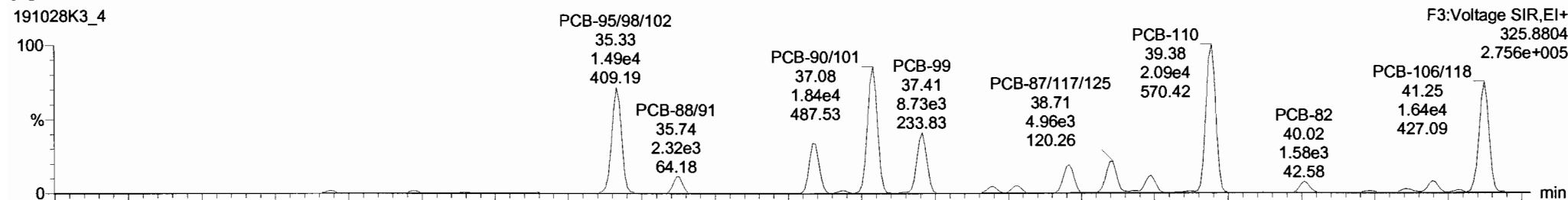
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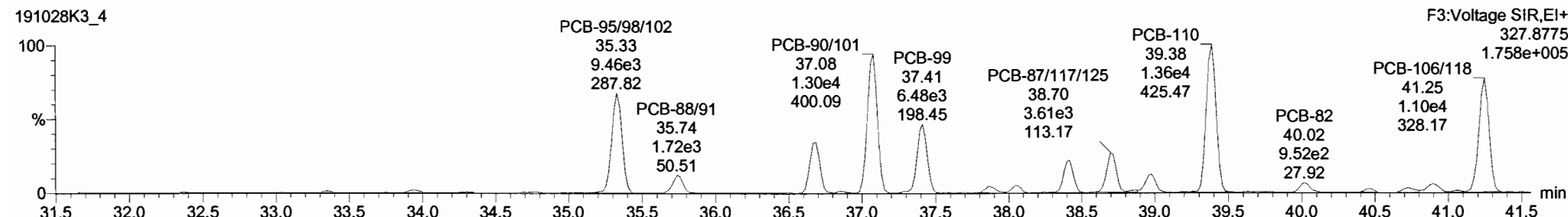
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PCB-104

191028K3_4

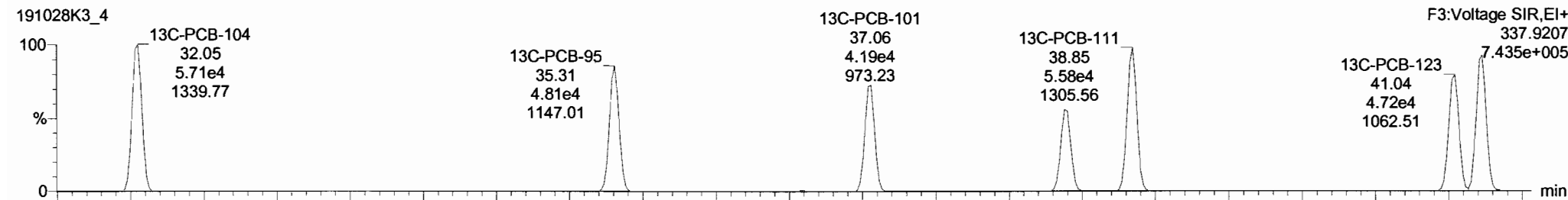


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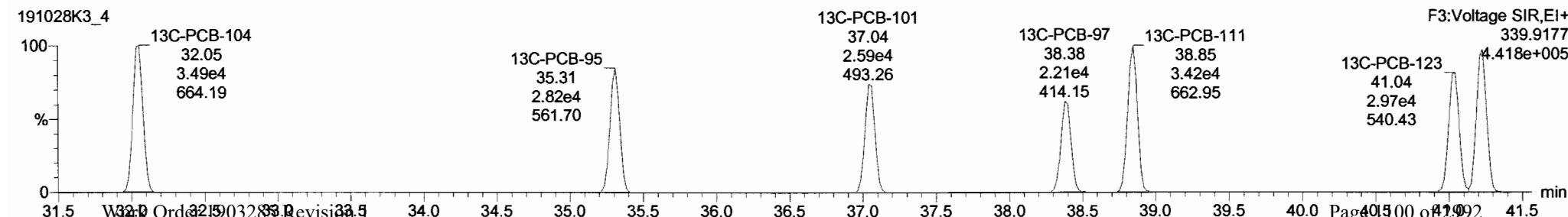


13C-PCB-104

191028K3_4



191028K3_4



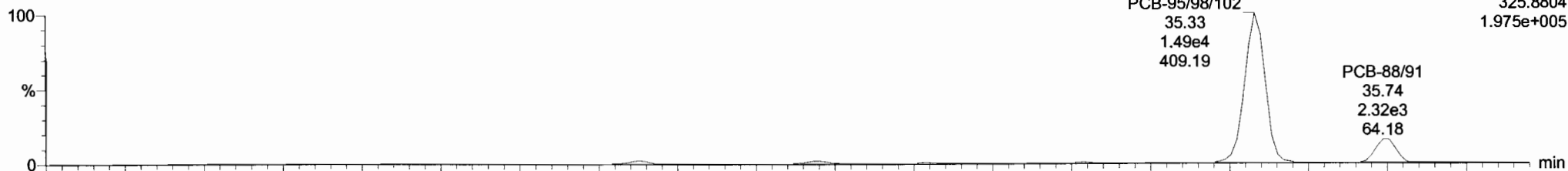
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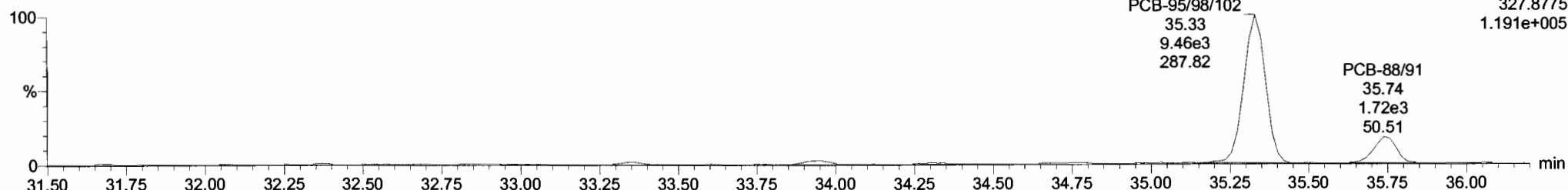
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PCB-96

191028K3_4

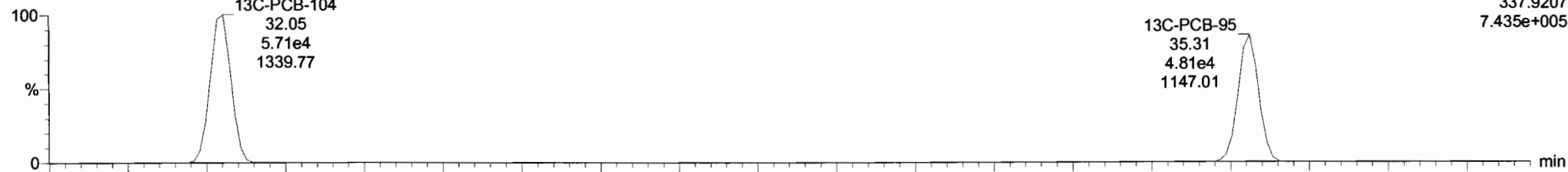


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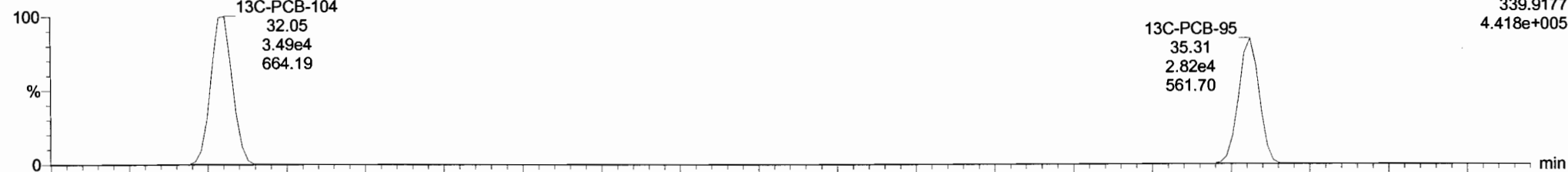


13C-PCB-95

191028K3_4



191028K3_4



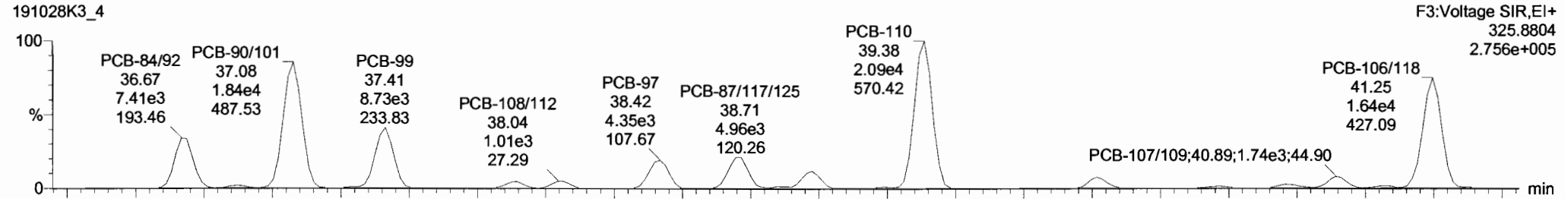
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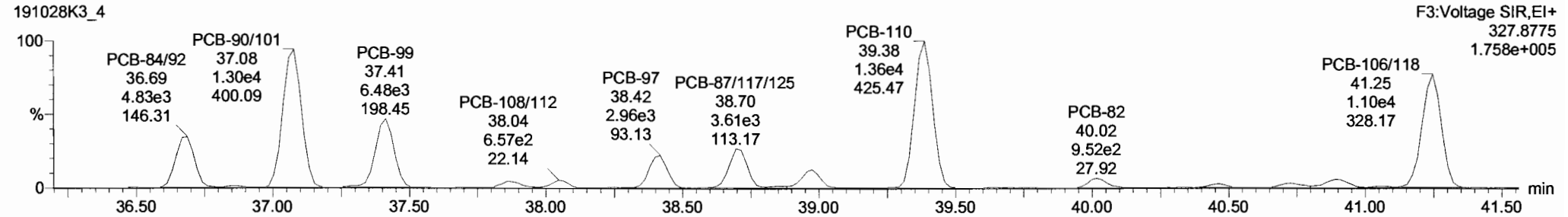
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PCB-119

191028K3_4

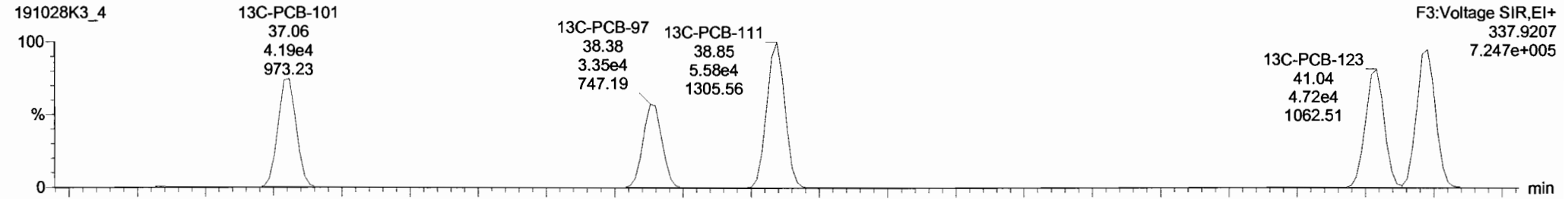


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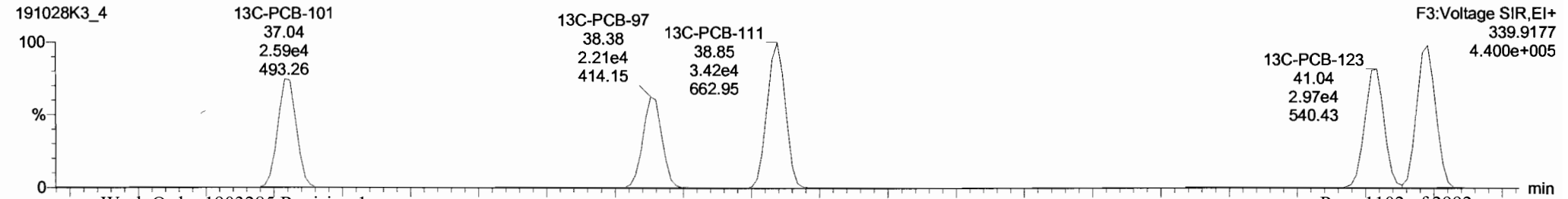


13C-PCB-111

191028K3_4



191028K3_4

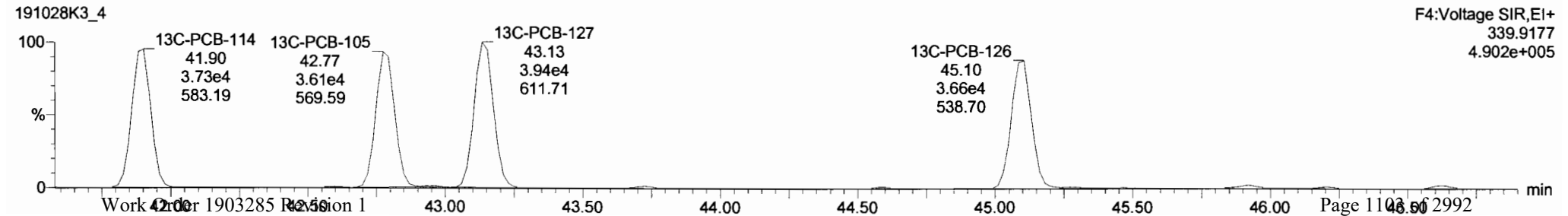
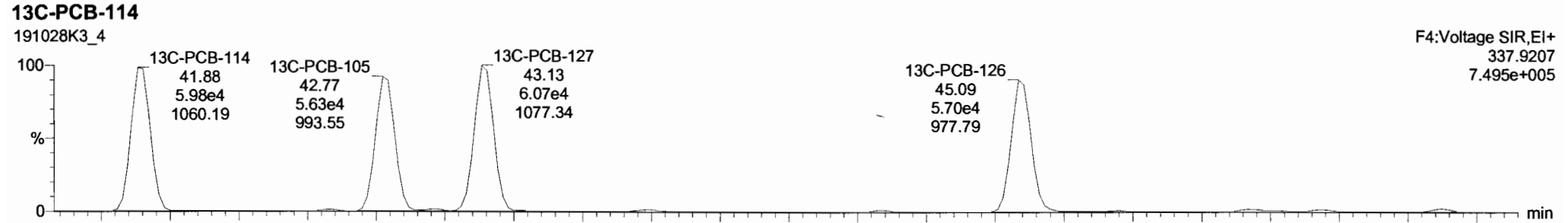
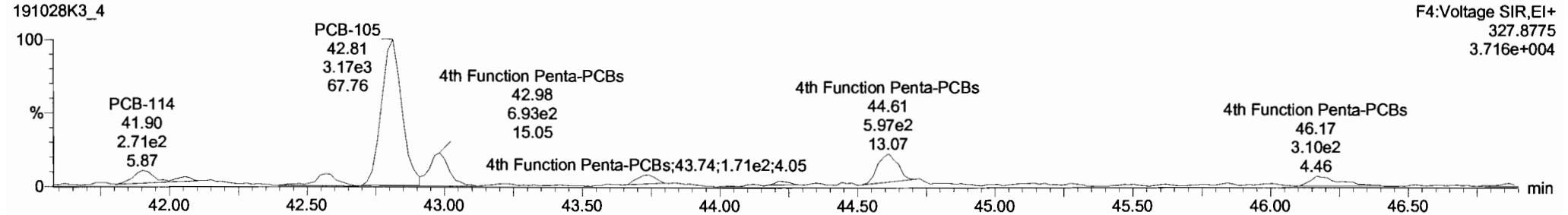
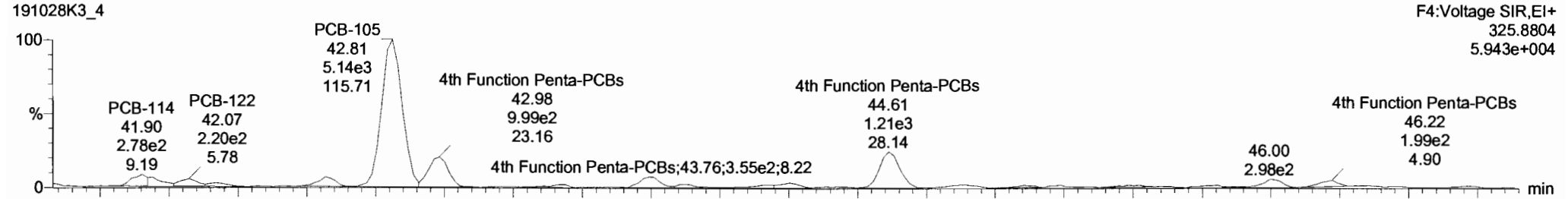


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Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

PCB-114



Dataset: Untitled

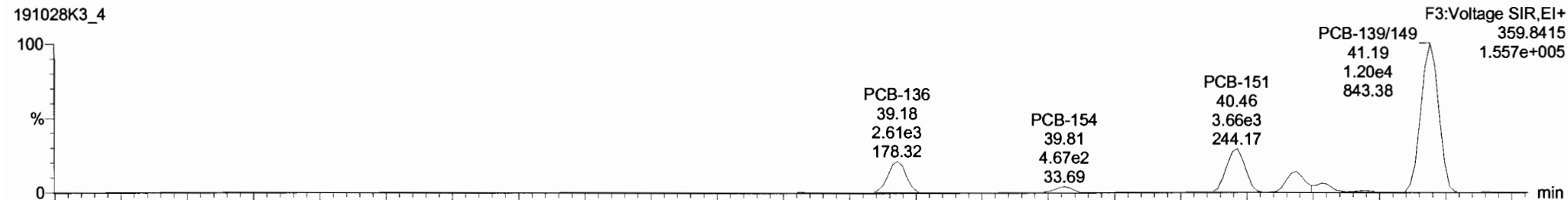
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

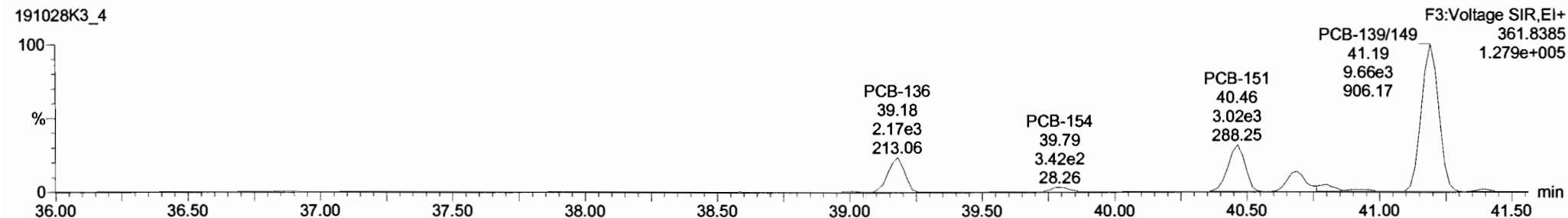
Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

PCB-155

191028K3_4

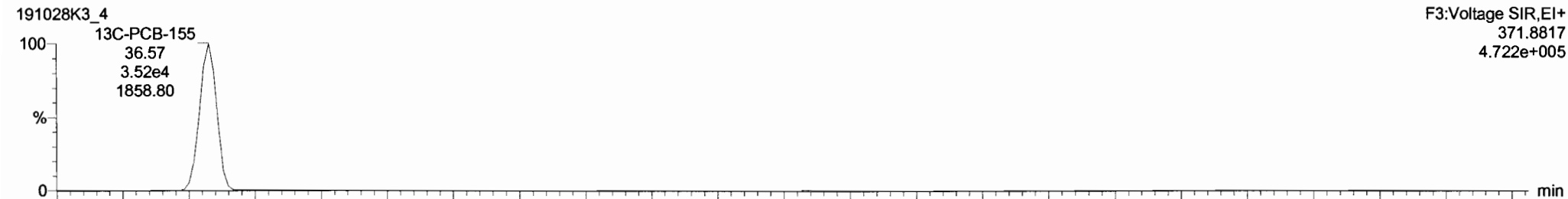


191028K3_4

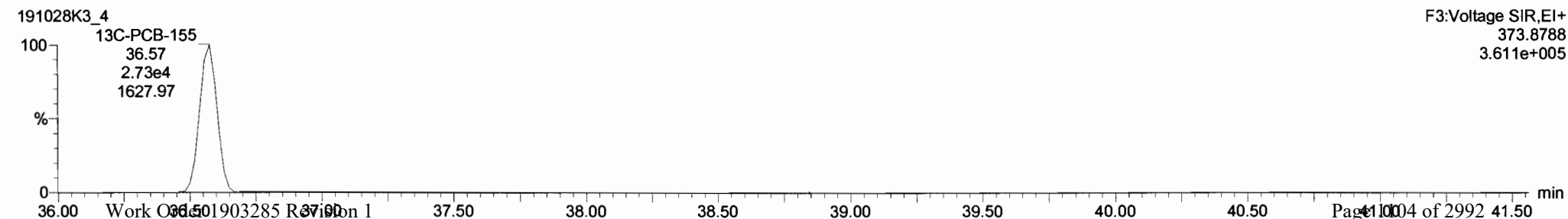


13C-PCB-155

191028K3_4



191028K3_4

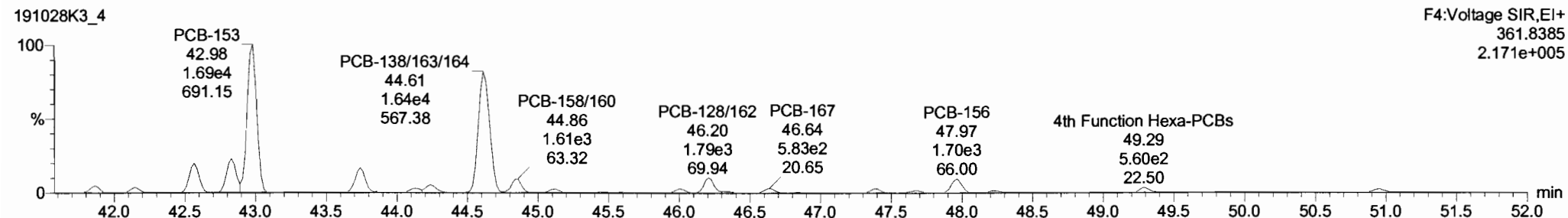
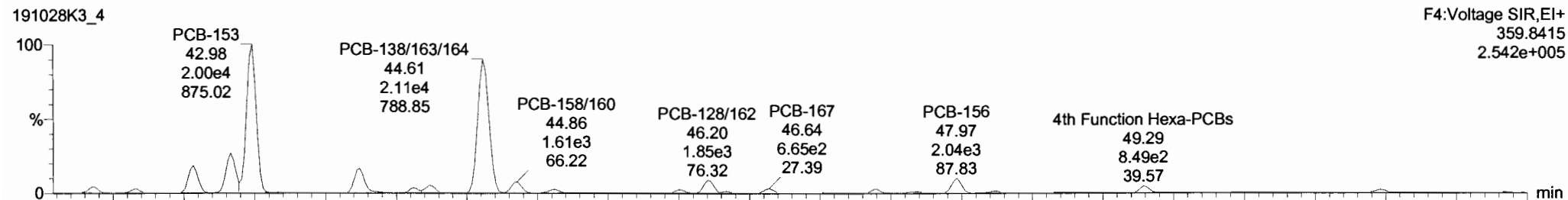


Dataset: Untitled

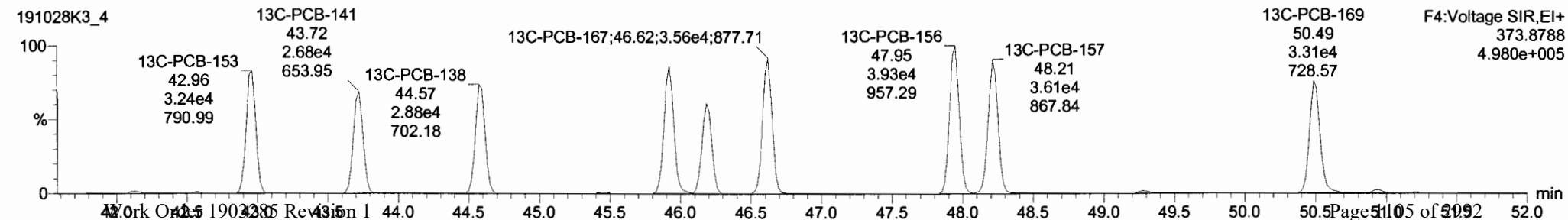
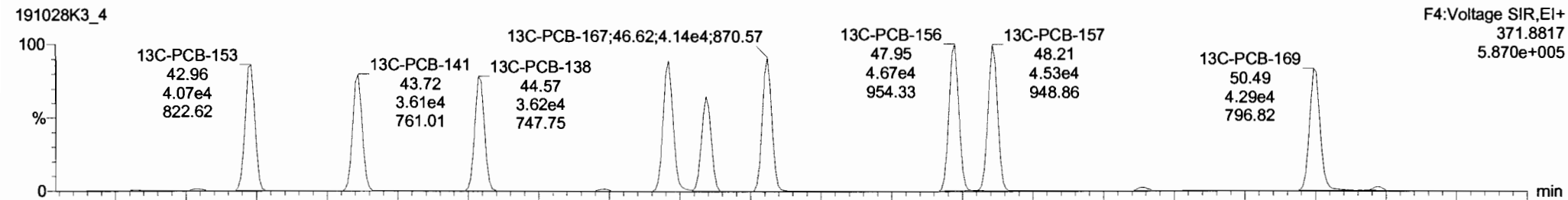
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
 Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

PCB-134/143



13C-PCB-153



Dataset: Untitled

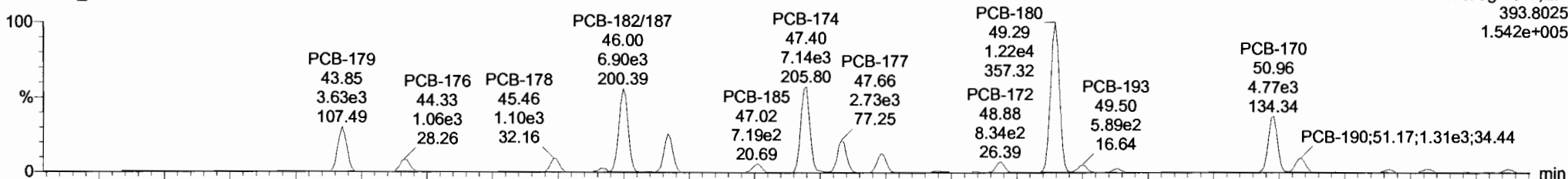
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

PCB-188

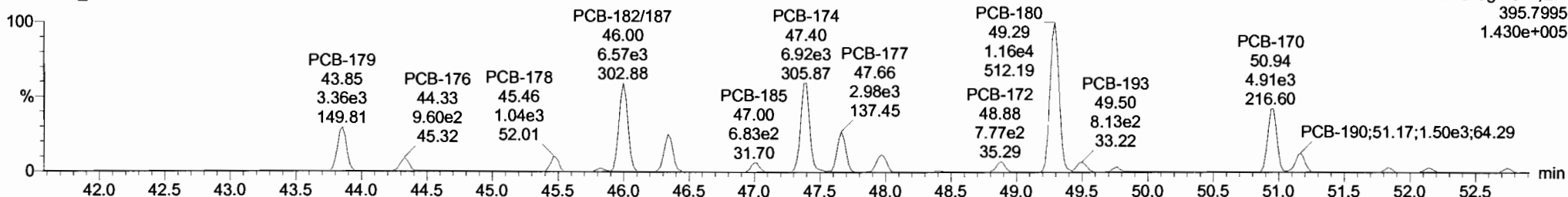
191028K3_4

F4:Voltage SIR,EI+
393.8025
1.542e+005



191028K3_4

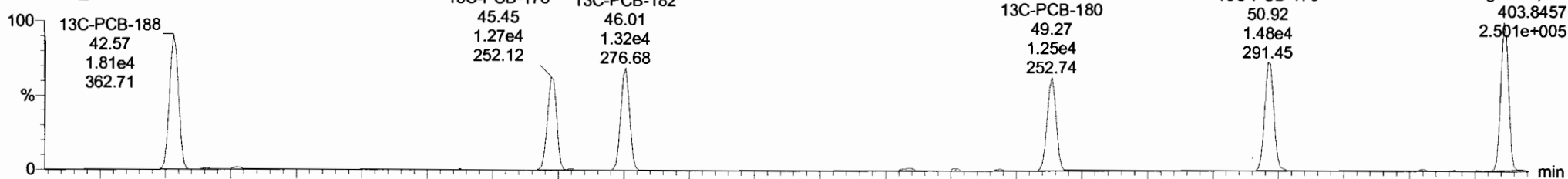
F4:Voltage SIR,EI+
395.7995
1.430e+005



13C-PCB-188

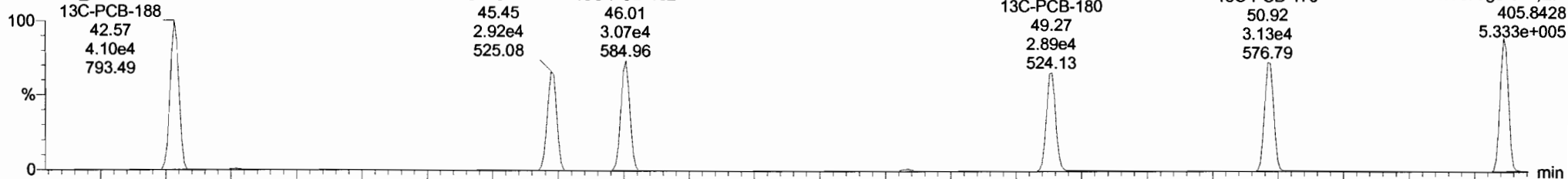
191028K3_4

F4:Voltage SIR,EI+
403.8457
2.501e+005



191028K3_4

F4:Voltage SIR,EI+
405.8428
5.333e+005



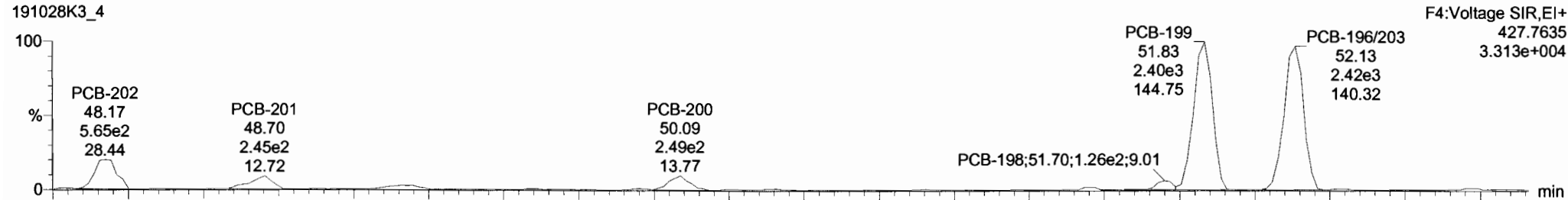
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

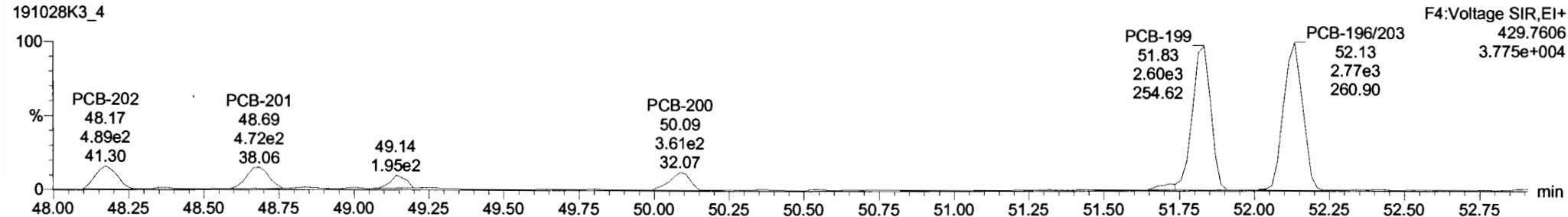
Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

PCB-202

191028K3_4

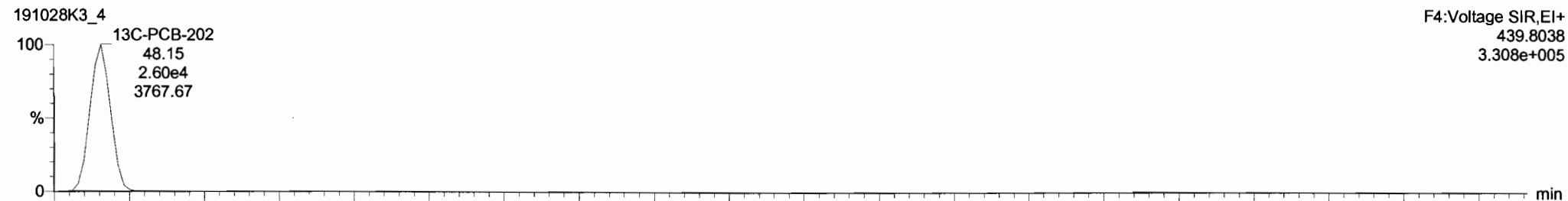


191028K3_4

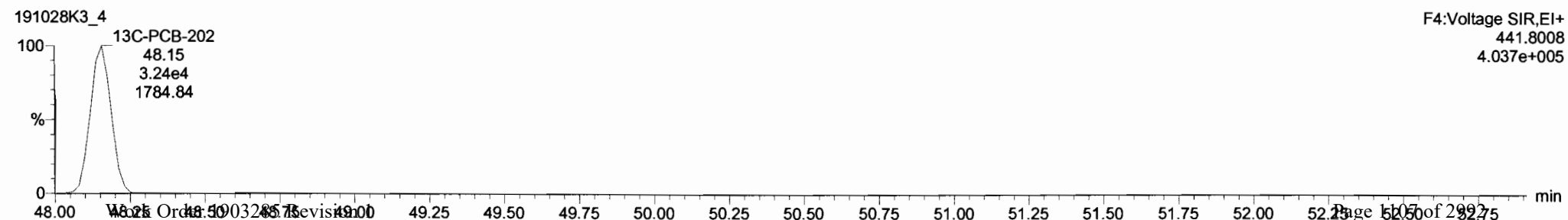


13C-PCB-202

191028K3_4



191028K3_4

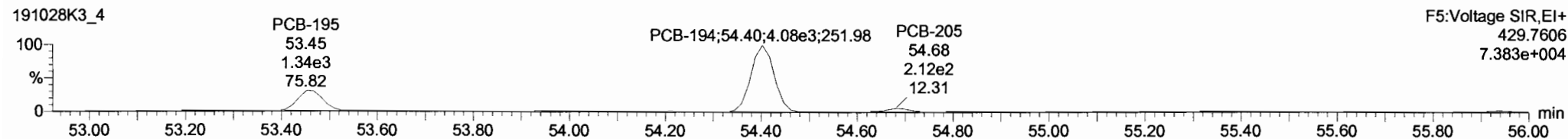
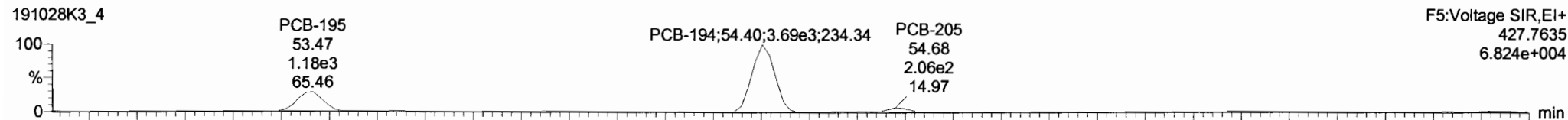


Dataset: Untitled

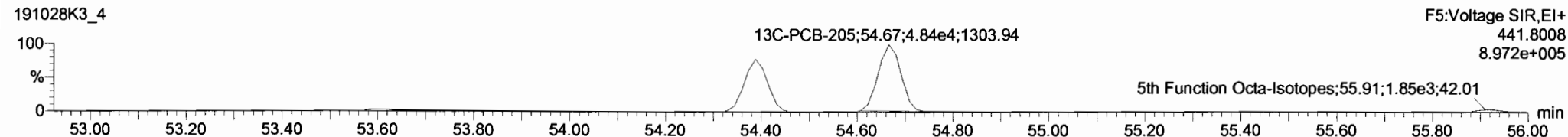
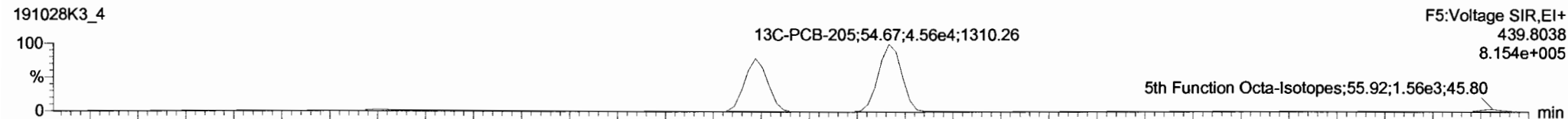
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

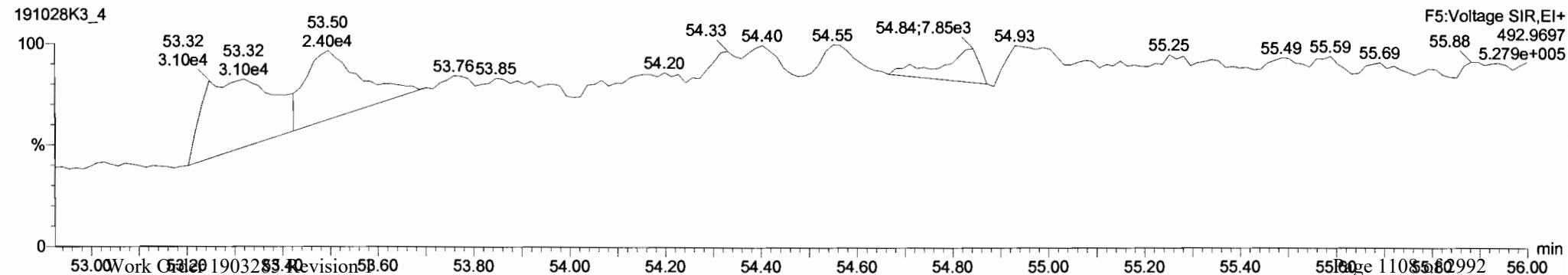
PCB-195



13C-PCB-194



PFK5



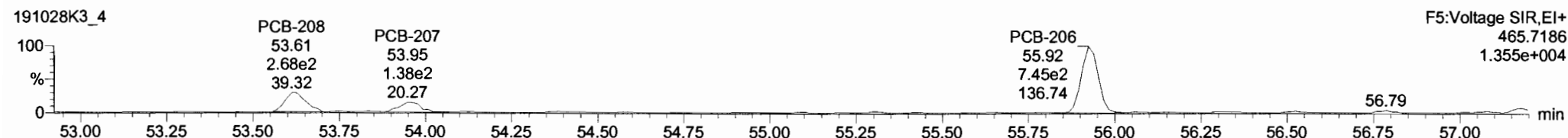
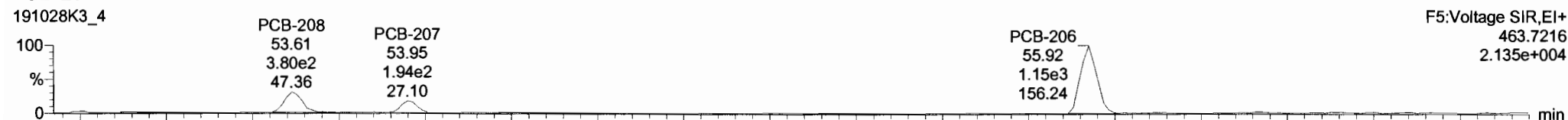
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

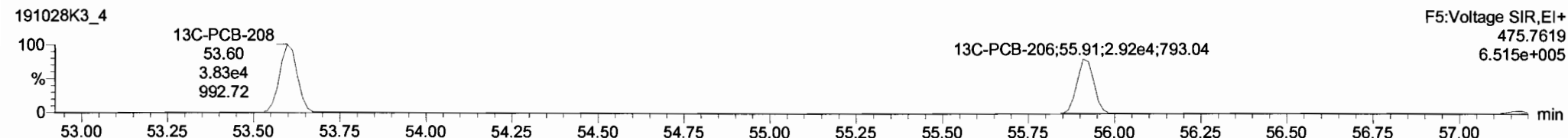
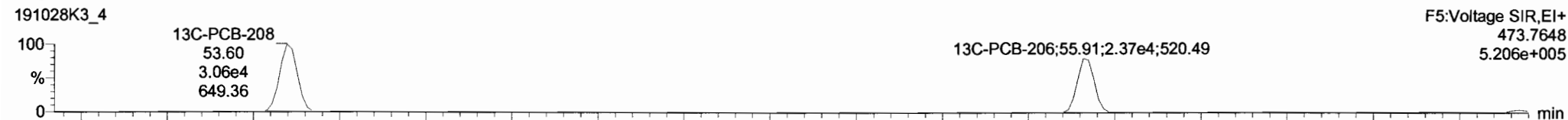
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

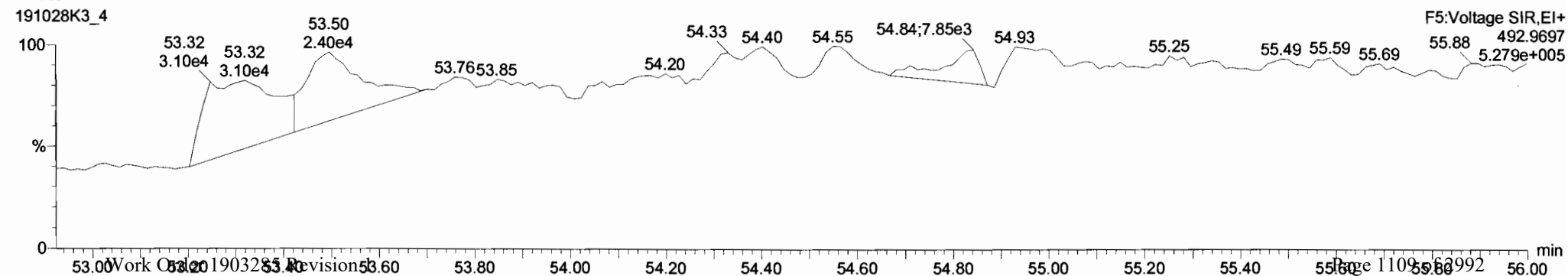
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

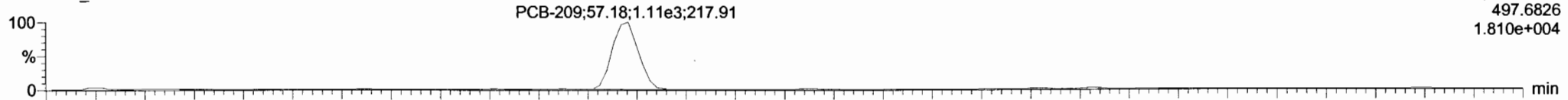
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_4, Date: 29-Oct-2019, Time: 06:01:01, ID: 1903285-02RE1@20X PDI-1014SG-00-0.78-190923 1.74, Description: PDI-1014SG-00-0.78-190923

PCB-209

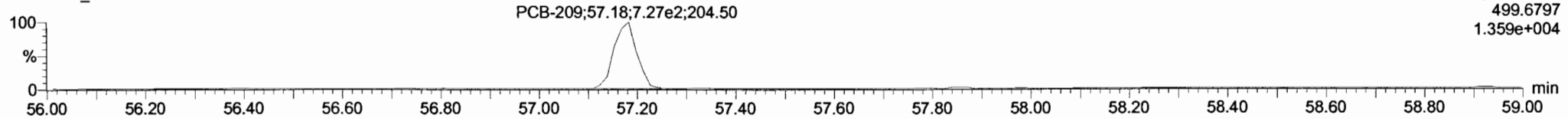
191028K3_4

F5:Voltage SIR,EI+
497.6826
1.810e+004



191028K3_4

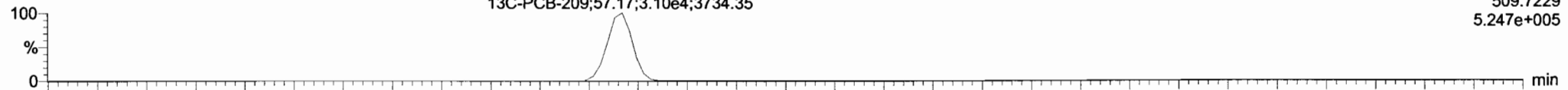
F5:Voltage SIR,EI+
499.6797
1.359e+004



13C-PCB-209

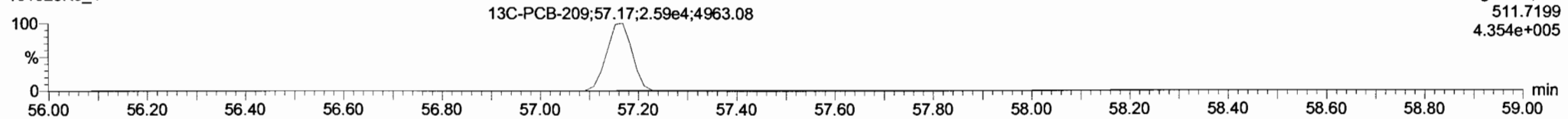
191028K3_4

F5:Voltage SIR,EI+
509.7229
5.247e+005



191028K3_4

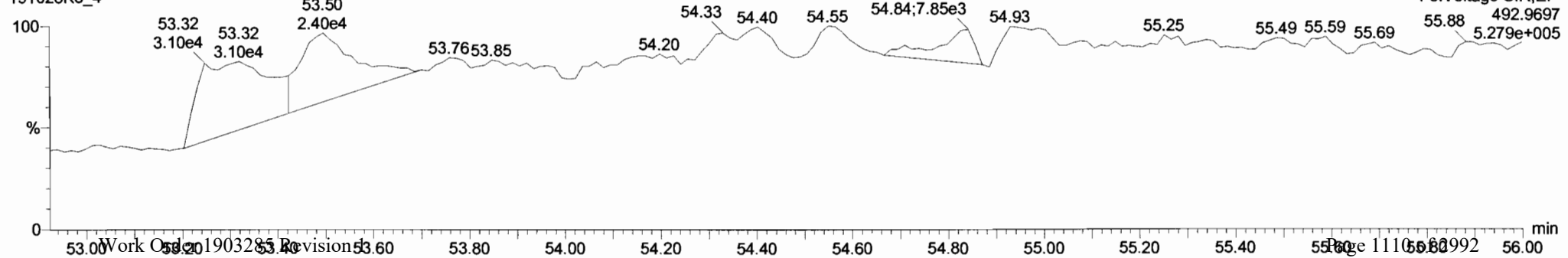
F5:Voltage SIR,EI+
511.7199
4.354e+005



PFK5

191028K3_4

F5:Voltage SIR,EI+
492.9697
5.279e+005



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-7.qld

Last Altered: Friday, November 01, 2019 14:41:36 Pacific Daylight Time

Printed: Friday, November 01, 2019 14:52:36 Pacific Daylight Time

EL 11/01/19

HZ 11-4-19

C7 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

#	Name	Abs Resp	RA	inv	RRF	wt.vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPG
1	32 PCB-54	942.149	1.098	YES	0.996	5.914	27.76	27.76	1.00	1.00	NO	3.449		0.768	2.910
2	33 PCB-50	534.926	0.460	YES	0.781	5.914	28.97	28.97	1.04	1.04	NO	2.496		0.979	1.808
3	34 PCB-53	19982.388	0.705	NO	0.955	5.914	29.60	29.66	0.94	0.95	NO	90.48		1.06	90.48
4	35 PCB-51	4916.458	0.747	NO	1.02	5.914	29.95	29.97	0.95	0.96	NO	20.77		0.993	20.77
5	36 PCB-45	18281.210	0.743	NO	0.808	5.914	30.40	30.46	0.97	0.97	NO	97.84		1.26	97.84
6	37 PCB-46	7681.707	0.759	NO	0.754	5.914	30.90	30.91	0.99	0.99	NO	44.08		1.35	44.08
7	38 PCB-52/69	199853.094	0.711	NO	1.09	5.914	31.41	31.39	1.00	1.00	NO	791.6		0.931	791.6
8	39 PCB-73				1.29	5.914	31.53		1.01		YES			0.789	
9	40 PCB-43/49	121769.106	0.718	NO	0.940	5.914	31.70	31.71	1.01	1.01	NO	560.1		1.08	560.1
10	41 PCB-47	49757.799	0.726	NO	0.869	5.914	31.93	31.95	1.00	1.00	NO	226.0		1.27	226.0
11	42 PCB-48/75	29647.737	0.749	NO	1.02	5.914	32.04	32.06	1.00	1.00	NO	114.2		1.07	114.2
12	43 PCB-65				1.11	5.914	32.31		1.01		YES			0.992	
13	44 PCB-62				1.07	5.914	32.42		1.02		YES			1.03	
14	45 PCB-44	115154.605	0.711	NO	0.761	5.914	32.76	32.82	1.03	1.03	NO	597.2		1.44	597.2
15	46 PCB-42/59				0.960	5.914	32.98		1.03		YES			1.15	
16	47 PCB-41/64/71/72	142497.132	0.702	NO	1.08	5.914	33.60	33.60	1.05	1.05	NO	519.8		1.02	519.8
17	48 PCB-68	1185.598	0.707	NO	1.11	5.914	33.86	33.85	1.06	1.06	NO	4.220		0.992	4.220
18	49 PCB-40	17089.804	0.725	NO	0.577	5.914	34.09	34.03	1.07	1.07	NO	116.9		1.91	116.9
19	50 PCB-57	1140.664	1.002	YES	1.05	5.914	34.45	34.44	0.97	0.97	NO	7.849		1.76	6.912
20	51 PCB-67	683.580	0.740	NO	0.993	5.914	34.78	34.78	0.98	0.98	NO	4.945		1.22	4.945
21	52 PCB-58	6207.522	0.637	YES	1.11	5.914	34.92	34.91	0.98	0.98	NO	40.99		1.00	35.86
22	53 PCB-63	1183.114	0.714	NO	0.962	5.914	35.07	35.04	0.99	0.99	NO	8.836		1.26	8.836
23	54 PCB-74	63784.943	0.716	NO	1.07	5.914	35.36	35.45	0.99	1.00	NO	429.9		1.14	429.9
24	55 PCB-61/70	113827.891	0.732	NO	0.986	5.914	35.57	35.56	1.00	1.00	NO	829.6		1.23	829.6
25	56 PCB-76/66	196953.922	0.729	NO	1.07	5.914	35.73	35.74	1.00	1.01	NO	1327		1.14	1327
26	57 PCB-80				1.08	5.914	35.95		1.00		YES			0.654	
27	58 PCB-55	2505.470	0.835	NO	1.07	5.914	36.27	36.26	1.01	1.01	NO	7.830		0.663	7.830
28	59 PCB-56/60	126451.820	0.723	NO	0.934	5.914	36.78	36.77	1.02	1.02	NO	451.8		0.758	451.8
29	60 PCB-79	2760.187	0.634	YES	1.04	5.914	37.90	37.88	1.05	1.05	NO	8.849		0.73	7.868
30	61 PCB-78	577.941	0.786	NO	1.03	5.914	38.60	38.53	0.99	0.99	NO	1.905		0.707	1.905

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-7.qld

Last Altered: Friday, November 01, 2019 14:41:36 Pacific Daylight Time

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Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

	Name	Abs Resp	RA	IVY	RR	wLVol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	Area	DL	EMPC
62	PCB-81	1964.732	0.590	YES	0.933	5.914	39.13	39.17	1.00	1.00	NO	7.164		0.782	6.110
63	PCB-77	18680.844	0.793	NO	1.03	5.914	39.75	39.74	1.00	1.00	NO	62.13		0.727	62.13
64	PCB-104				0.995	5.914	32.64		1.00		YES			0.732	
65	PCB-96	1734.046	1.974	YES	0.996	5.914	33.94	33.86	1.04	1.04	NO	8.092		0.731	6.965
66	PCB-103	2705.072	1.164	YES	0.774	5.914	34.51	34.46	1.06	1.06	NO	16.23		0.940	14.33
67	PCB-100	1209.007	1.550	NO	0.778	5.914	34.88	34.89	1.07	1.07	NO	7.225		0.936	7.225
68	PCB-94				0.773	5.914	35.28		0.99		YES			0.864	
69	PCB-95/98/102	167080.062	1.498	NO	1.01	5.914	35.75	35.82	1.00	1.00	NO	895.5		0.659	895.5
70	PCB-93				0.841	5.914	35.88		1.00		YES			0.795	
71	PCB-88/91	21130.427	1.451	NO	0.890	5.914	36.23	36.23	1.01	1.01	NO	129.2		0.751	129.2
72	PCB-121				1.39	5.914	36.32		1.01		YES			0.482	
73	PCB-84/92	69784.754	1.494	NO	0.879	5.914	37.17	37.16	0.99	0.99	NO	465.0		0.828	465.0
74	PCB-89	2405.258	1.415	NO	0.959	5.914	37.37	37.34	1.00	1.00	NO	14.68		0.758	14.68
75	PCB-90/101	234607.898	1.511	NO	0.944	5.914	37.55	37.55	1.00	1.00	NO	1455		0.771	1455
76	PCB-113				1.23	5.914	37.80		1.01		YES			0.591	
77	PCB-99	72763.225	1.571	NO	1.12	5.914	37.90	37.88	1.01	1.01	NO	380.7		0.650	380.7
78	PCB-119	5780.325	1.285	YES	1.47	5.914	38.34	38.35	0.99	0.99	NO	24.31		0.526	22.44
79	PCB-108/112	7419.572	1.617	NO	1.25	5.914	38.51	38.52	0.99	0.99	NO	36.75		0.619	36.75
80	PCB-83				1.55	5.914	38.68		1.00		YES			0.500	
81	PCB-97	43853.424	1.485	NO	1.07	5.914	38.89	38.89	1.00	1.00	NO	252.4		0.719	252.4
82	PCB-86	718.862	1.081	YES	0.996	5.914	39.04	39.04	1.00	1.00	NO	4.468		0.777	3.808
83	PCB-87/117/125	68129.727	1.435	NO	1.33	5.914	39.15	39.17	1.01	1.01	NO	316.4		0.580	316.4
84	PCB-111/115	3324.723	1.629	NO	1.60	5.914	39.32	39.32	1.01	1.01	NO	12.85		0.483	12.85
85	PCB-85/116	25146.842	1.461	NO	1.22	5.914	39.44	39.43	1.02	1.01	NO	128.0		0.636	128.0
86	PCB-120	1796.887	1.310	YES	1.68	5.914	39.71	39.65	1.02	1.02	NO	6.045		0.460	6.156
87	PCB-110	227429.602	1.492	NO	1.49	5.914	39.85	39.84	1.03	1.03	NO	947.2		0.520	947.2
88	PCB-82	15099.844	1.486	NO	0.674	5.914	40.46	40.47	0.98	0.98	NO	109.0		0.912	109.0
89	PCB-124	8651.702	1.661	NO	1.16	5.914	41.21	41.20	0.99	0.99	NO	36.20		0.529	36.20
90	PCB-107/109	12765.593	1.520	NO	1.17	5.914	41.34	41.36	1.00	1.00	NO	53.27		0.527	53.27
91	PCB-123	2648.014	1.527	NO	1.04	5.914	41.51	41.53	1.00	1.00	NO	12.38		0.591	12.38
92	PCB-106/118	169583.367	1.511	NO	1.07	5.914	41.72	41.70	1.00	1.00	NO	781.4		0.588	781.4
93	PCB-114	5462.789	1.711	NO	1.16	5.914	42.38	42.38	1.00	1.00	NO	17.24		1.08	17.24
94	PCB-122	2425.888	1.750	NO	0.973	5.914	42.51	42.51	1.00	1.00	NO	9.145		1.29	9.145
95	PCB-105	84525.539	1.555	NO	1.10	5.914	43.26	43.27	1.00	1.00	NO	280.7		1.17	280.7

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-7.qld

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Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

#	Name	Area Resp	RA	NY	RRF	W.Vol	Prod RT	RI	Prod RRF	RFI	Check RRF	Code	DI	EMPC
65	96 PCB-127				1.11	5.914	43.62		1.00		YES		1.17	
66	97 PCB-126	1204.510	1.307	YES	1.21	5.914	45.58	45.60	1.00	1.00	NO	4.873	1.16	3.787
67	98 PCB-155				0.874	5.914	37.06		1.00		YES		0.735	
68	99 PCB-150	314.987	1.025	YES	0.881	5.914	38.37	38.37	1.04	1.04	NO	2.239	0.729	2.047
69	100 PCB-152	273.733	1.004	YES	1.00	5.914	38.86	38.83	1.05	1.05	NO	1.706	0.639	1.544
	101 PCB-145				1.00	5.914	39.30		1.06		YES		0.642	
	102 PCB-136	46713.119	1.244	NO	0.843	5.914	39.66	39.63	1.07	1.07	NO	346.8	0.761	346.8
	103 PCB-148	251.191	1.272	NO	0.693	5.914	39.77	39.74	1.07	1.07	NO	2.268	0.926	2.268
	104 PCB-154	2492.519	1.339	NO	0.724	5.914	40.26	40.27	1.09	1.09	NO	21.56	0.886	21.56
	105 PCB-151	69213.668	1.283	NO	0.632	5.914	40.94	40.92	1.11	1.10	NO	685.7	1.02	685.7
	106 PCB-135	30776.912	1.363	NO	0.716	5.914	41.16	41.14	1.11	1.11	NO	269.2	0.896	269.2
	107 PCB-144	13612.030	1.122	NO	0.667	5.914	41.27	41.25	1.11	1.11	NO	127.9	0.963	127.9
	108 PCB-147	2051.758	1.641	YES	0.661	5.914	41.39	41.40	1.12	1.12	NO	19.44	0.971	16.48
	109 PCB-139/149	219296.602	1.281	NO	0.738	5.914	41.68	41.64	1.13	1.12	NO	1860	0.869	1860
	110 PCB-140	849.185	1.113	NO	0.627	5.914	41.87	41.87	1.13	1.13	NO	8.476	1.02	8.476
	111 PCB-134/143	13856.098	1.270	NO	0.733	5.914	42.33	42.32	0.97	0.97	NO	84.77	1.69	84.77
	112 PCB-131/133	7555.530	1.186	NO	0.790	5.914	42.61	42.60	0.98	0.98	NO	42.90	1.57	42.90
	113 PCB-142				0.708	5.914	42.77		0.99		YES		1.75	
	114 PCB-146/165	60138.359	1.175	NO	0.959	5.914	43.02	43.02	0.99	0.99	NO	281.2	1.29	281.2
	115 PCB-132/161	102982.433	1.211	NO	0.974	5.914	43.25	43.28	1.00	1.00	NO	474.1	1.27	474.1
	116 PCB-153	489112.734	1.222	NO	1.01	5.914	43.44	43.44	1.00	1.00	NO	2168	1.22	2168
	117 PCB-168				1.02	5.914	43.67		1.01		YES		1.22	
	118 PCB-141	87163.653	1.217	NO	0.967	5.914	44.19	44.19	1.00	1.00	NO	488.6	1.57	488.6
	119 PCB-137	6197.863	1.430	YES	0.987	5.914	44.57	44.59	1.01	1.01	NO	34.03	1.54	31.37
	120 PCB-130	13959.843	1.069	NO	0.840	5.914	44.69	44.71	1.01	1.01	NO	90.07	1.81	90.07
	121 PCB-138/163/164	420047.860	1.185	NO	1.23	5.914	45.08	45.08	1.00	1.00	NO	1906	1.30	1906
	122 PCB-158/160	40502.428	1.183	NO	1.18	5.914	45.33	45.31	1.01	1.01	NO	191.2	1.36	191.2
	123 PCB-129	6812.951	1.214	NO	0.819	5.914	45.58	45.58	1.01	1.01	NO	46.26	1.95	46.26
	124 PCB-166	693.494	1.138	NO	1.07	5.914	46.06	46.03	0.99	0.99	NO	2.961	1.22	2.961
	125 PCB-159	7935.151	1.177	NO	1.12	5.914	46.39	46.45	1.00	1.00	NO	32.37	1.16	32.37
	126 PCB-128/162	33077.960	1.163	NO	0.851	5.914	46.68	46.66	1.01	1.01	NO	177.5	1.53	177.5
	127 PCB-167	12440.990	1.216	NO	1.04	5.914	47.09	47.09	1.00	1.00	NO	54.08	1.16	54.08
	128 PCB-156	33801.660	1.184	NO	1.06	5.914	48.40	48.40	1.00	1.00	NO	150.7	1.25	150.7
	129 PCB-157	3915.810	1.025	YES	0.978	5.914	48.70	48.69	1.00	1.00	NO	18.50	1.30	16.92

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Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

	Name	Abs Resp	RA	Qty	RRP	Wt/Vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	% Rec	DI	EMPC
99	130 PCB-169				1.11	5.914	50.96		1.00		YES			1.32	
100	131 PCB-188				1.19	5.914	43.06		1.00		YES			0.898	
101	132 PCB-184				1.17	5.914	43.50		1.01		YES			0.918	
102	133 PCB-179	80697.102	1.019	NO	1.18	5.914	44.31	44.31	1.03	1.03	NO	386.4		0.911	386.4
103	134 PCB-176	24369.780	0.989	NO	1.16	5.914	44.78	44.80	1.04	1.04	NO	118.4		0.924	118.4
104	135 PCB-186				1.22	5.914	45.39		1.06		YES			0.879	
105	136 PCB-178	23217.387	1.031	NO	0.830	5.914	45.90	45.92	1.07	1.07	NO	157.4		1.29	157.4
106	137 PCB-175	5207.393	1.002	NO	0.849	5.914	46.26	46.28	1.08	1.08	NO	34.56		1.26	34.56
107	138 PCB-182/187	163940.164	1.009	NO	0.960	5.914	46.46	46.45	1.08	1.08	NO	961.6		1.12	961.6
108	139 PCB-183	82187.567	1.022	NO	0.957	5.914	46.79	46.79	1.09	1.09	NO	483.8		1.12	483.8
109	140 PCB-185	16225.439	0.979	NO	1.32	5.914	47.47	47.47	0.95	0.96	NO	112.1		1.33	112.1
110	141 PCB-174	127791.066	1.044	NO	1.22	5.914	47.84	47.83	0.96	0.96	NO	955.9		1.44	955.9
111	142 PCB-181				1.41	5.914	47.93		0.96		YES			1.24	
112	143 PCB-177	68062.675	1.066	NO	1.24	5.914	48.11	48.12	0.97	0.97	NO	500.2		1.42	500.2
113	144 PCB-171	33714.113	1.013	NO	1.24	5.914	48.41	48.42	0.97	0.97	NO	247.4		1.41	247.4
114	145 PCB-173	2256.450	0.976	NO	1.14	5.914	48.84	48.84	0.98	0.98	NO	18.02		1.54	18.02
115	146 PCB-172	18099.489	1.027	NO	1.31	5.914	49.33	49.31	0.99	0.99	NO	126.2		1.34	126.2
116	147 PCB-192				1.70	5.914	49.52		1.00		YES			1.03	
117	148 PCB-180	294832.329	1.020	NO	1.32	5.914	49.73	49.73	1.00	1.00	NO	2036		1.33	2036
118	149 PCB-193	15703.290	0.997	NO	1.54	5.914	49.96	49.94	1.00	1.00	NO	93.00		1.14	93.00
119	150 PCB-191	5868.690	0.964	NO	1.57	5.914	50.20	50.20	1.01	1.01	NO	34.00		1.12	34.00
120	151 PCB-170	101920.219	1.016	NO	1.36	5.914	51.40	51.39	1.00	1.00	NO	778.4		1.44	778.4
121	152 PCB-190	28397.185	1.082	NO	1.84	5.914	51.58	51.60	1.00	1.00	NO	160.2		1.06	160.2
122	153 PCB-189	4199.490	1.309	YES	1.33	5.914	53.12	53.12	1.00	1.00	NO	26.73		1.07	23.73
123	154 PCB-202	10050.791	0.842	NO	1.02	5.914	48.63	48.63	1.00	1.00	NO	72.79		1.92	72.79
124	155 PCB-201	7276.543	0.863	NO	0.915	5.914	49.11	49.12	1.01	1.01	NO	58.97		2.15	58.97
125	156 PCB-204				0.979	5.914	49.26		1.01		YES			2.01	
126	157 PCB-197	2655.587	0.830	NO	0.979	5.914	49.58	49.59	1.02	1.02	NO	20.12		2.01	20.12
127	158 PCB-200	7801.957	0.881	NO	0.954	5.914	50.53	50.52	1.04	1.04	NO	60.64		2.06	60.64
128	159 PCB-198	2062.711	1.113	YES	0.748	5.914	52.08	52.10	1.07	1.07	NO	20.45		2.63	18.29
129	160 PCB-199	38922.448	0.853	NO	0.706	5.914	52.21	52.23	1.07	1.07	NO	408.9		2.79	408.9
130	161 PCB-196/203	48753.719	0.830	NO	0.785	5.914	52.52	52.53	1.08	1.08	NO	460.8		2.51	460.8
131	162 PCB-195	22739.607	0.916	NO	1.03	5.914	53.83	53.83	0.98	0.98	NO	162.7		1.39	162.7
132	163 PCB-194	59092.406	0.900	NO	1.16	5.914	54.75	54.75	1.00	1.00	NO	377.9		1.24	377.9

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Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

#	Name	Abs Resp	RA	n/y	RRF	MC Vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	RRS	DL	EMPC
164	PCB-205	3197.868	1.041	YES	1.40	5.914	55.01	55.03	1.01	1.01	NO	16.88		1.03	15.63
165	PCB-208	5857.716	1.267	NO	0.934	5.914	53.97	53.97	1.00	1.00	NO	38.62		1.04	38.62
166	PCB-207	2831.737	1.460	NO	0.912	5.914	54.29	54.31	1.01	1.01	NO	19.12		1.06	19.12
167	PCB-206	14829.191	1.220	NO	0.987	5.914	56.27	56.27	1.00	1.00	NO	142.6		1.43	142.6
168	PCB-209	14098.103	1.222	NO	0.943	5.914	57.50	57.51	1.00	1.00	NO	140.9		1.22	140.9
178	13C-PCB-54	463906.266	0.764	NO	1.10	5.914	27.66	27.74	0.75	0.75	NO	1313	77.7	1.48	
179	13C-PCB-52	391036.360	0.749	NO	0.844	5.914	31.33	31.37	0.85	0.85	NO	1440	85.2	1.92	
180	13C-PCB-47	428511.578	0.756	NO	0.893	5.914	31.85	31.91	0.87	0.87	NO	1492	88.2	1.82	
181	13C-PCB-70	235390.523	0.725	NO	1.01	5.914	35.48	35.56	0.97	0.97	NO	726.4	43.0	1.61	
182	13C-PCB-80	506499.172	0.754	NO	1.05	5.914	35.91	35.93	0.98	0.98	NO	1506	89.1	1.55	
183	13C-PCB-81	496965.860	0.771	NO	0.985	5.914	39.12	39.11	1.06	1.06	NO	1569	92.8	1.65	
184	13C-PCB-77	492320.985	0.768	NO	0.958	5.914	39.73	39.73	1.08	1.08	NO	1597	94.5	1.69	
185	13C-PCB-104	363881.860	1.601	NO	1.10	5.914	32.51	32.62	0.83	0.83	NO	1445	85.5	2.14	
186	13C-PCB-95	310915.930	1.603	NO	0.852	5.914	35.77	35.80	0.91	0.91	NO	1589	94.0	2.76	
187	13C-PCB-101	288852.797	1.611	NO	0.814	5.914	37.52	37.53	0.95	0.95	NO	1546	91.5	2.89	
188	13C-PCB-97	273272.352	1.669	NO	0.709	5.914	38.87	38.85	0.99	0.99	NO	1678	99.2	3.31	
189	13C-PCB-123	347447.125	1.560	NO	0.922	5.914	41.52	41.49	1.06	1.06	NO	1642	97.1	2.55	
190	13C-PCB-118	342942.250	1.586	NO	0.975	5.914	41.70	41.68	1.06	1.06	NO	1532	90.6	2.41	
191	13C-PCB-114	461211.719	1.524	NO	1.52	5.914	42.34	42.36	0.91	0.91	NO	1775	105	2.35	
192	13C-PCB-105	462579.766	1.531	NO	1.58	5.914	43.23	43.25	0.93	0.93	NO	1709	101	2.25	
193	13C-PCB-127	465167.094	1.541	NO	1.62	5.914	43.57	43.61	0.93	0.93	NO	1678	99.2	2.20	
194	13C-PCB-126	412412.641	1.548	NO	1.45	5.914	45.54	45.56	0.98	0.98	NO	1669	98.7	2.47	
195	13C-PCB-155	270050.649	1.293	NO	1.03	5.914	37.06	37.05	0.94	0.94	NO	1146	67.8	0.846	
196	13C-PCB-153	376900.985	1.246	NO	1.42	5.914	43.40	43.42	0.93	0.93	NO	1548	91.6	2.80	
197	13C-PCB-141	311937.063	1.232	NO	1.14	5.914	44.16	44.17	0.95	0.95	NO	1597	94.4	3.49	
198	13C-PCB-138	303925.954	1.269	NO	1.18	5.914	45.04	45.05	0.97	0.97	NO	1506	89.1	3.38	
199	13C-PCB-159	370394.141	1.239	NO	1.43	5.914	46.35	46.37	0.99	0.99	NO	1511	89.4	2.78	
200	13C-PCB-167	373097.360	1.265	NO	1.42	5.914	47.07	47.07	1.01	1.01	NO	1532	90.6	2.80	
201	13C-PCB-156	358951.609	1.288	NO	1.40	5.914	48.37	48.38	1.04	1.04	NO	1502	88.8	2.85	
202	13C-PCB-157	365985.750	1.260	NO	1.41	5.914	48.67	48.67	1.04	1.04	NO	1522	90.0	2.83	
203	13C-PCB-169	322387.406	1.284	NO	1.35	5.914	50.94	50.94	1.09	1.09	NO	1401	82.8	2.96	
204	13C-PCB-188	300284.625	0.449	NO	1.46	5.914	43.03	43.02	0.93	0.93	NO	1573	93.0	1.89	
205	13C-PCB-180	185482.246	0.455	NO	0.932	5.914	49.71	49.71	1.07	1.07	NO	1525	90.2	2.96	
206	13C-PCB-170	162657.543	0.463	NO	0.796	5.914	51.38	51.38	1.11	1.11	NO	1566	92.6	3.47	

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Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

#	Name	Abn Resp	RA	n/y	RRF	wLVol	Pred RT	RT	Pred RRT	RRT	Clack RRT	Conc	%Rec	DI	EMPC
187	207 13C-PCB-189	199337.625	0.467	NO	1.09	5.914	53.10	53.10	1.14	1.14	NO	1401	82.9		2.53
188	208 13C-PCB-202	227985.312	0.985	NO	1.45	5.914	48.60	48.59	1.04	1.04	NO	1204	71.2		1.58
169	209 13C-PCB-194	228722.726	0.873	NO	0.714	5.914	54.74	54.73	1.00	0.99	NO	1694	100		2.58
	210 13C-PCB-208	274547.766	0.776	NO	0.896	5.914	53.99	53.96	0.98	0.98	NO	1619	95.8		1.69
	211 13C-PCB-206	178016.516	0.789	NO	0.653	5.914	56.25	56.26	1.02	1.02	NO	1442	85.3		2.32
	212 13C-PCB-209	179463.852	1.219	NO	0.806	5.914	57.51	57.50	1.05	1.05	NO	1177	69.6		1.06
	215 13C-PCB-60	543797.516	0.753	NO	1.00	5.914	36.66	36.75	1.00	0.00	NO	1691	100		1.62
	216 13C-PCB-111	388177.187	1.617	NO	1.00	5.914	39.22	39.32	1.00	0.00	NO	1691	100		2.35
	217 13C-PCB-128	289088.195	1.218	NO	1.00	5.914	46.58	46.64	1.00	0.00	NO	1691	100		3.98
75	218 13C-PCB-182	220668.492	0.456	NO	1.00	5.914	46.41	46.45	0.00	0.00	NO	1691	100		2.76
	219 13C-PCB-205	319932.297	0.887	NO	1.00	5.914	54.98	55.01	1.00	0.00	NO	1691	100		1.84
75	220 13C-PCB-79	470654.531	0.753	NO	1.03	5.914	37.85	37.85	1.03	1.03	NO	1418	83.9		1.57
	221 13C-PCB-178	171928.246	0.431	NO	0.875	5.914	45.90	45.90	0.99	0.99	NO	1150	68.0		2.39
	222 13C-PCB-79	470208.500	0.754	NO	1.05	5.914	37.84	37.85	0.97	0.97	NO	1530	90.5		1.68
	223 13C-PCB-178	171761.961	0.430	NO	0.975	5.914	45.91	45.90	0.92	0.92	NO	1606	95.0		3.34

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

#	Name	Abs Resp	RA	rv	RRF	wt/vol	Pred RT	RT	Pred RRT	BRT	Check RRT	Conc	Area	D	EMPC
228	Total Tetra-PCBs				0.986	5.914	0.00		0.00		NO	6307		33.3	6369
229	3rd Function Penta-PCBs				1.12	5.914	0.00		0.00		NO	6033	> 6340 ✓	19.5	6087
230	4th Function Penta-PCBs				1.11	5.914	0.00		0.00		NO	307.0	> 6397.8 ✓	5.88	310.8
231	3rd Function Hexa-PCBs				0.774	5.914	0.00		0.00		NO	3322	> 9512 ✓	11.1	3342
232	4th Function Hexa-PCBs				0.972	5.914	0.00		0.00		NO	6190	> 9581 ✓	28.5	6239
233	Total Hepta-PCBs				1.26	5.914	0.00		0.00		NO	7204		27.2	7227
234	4th Function Octa-PCBs				0.886	5.914	0.00		0.00		NO	1082	> 1622.6 ✓	18.1	1101
235	5th Function Octa-PCBs				1.20	5.914	0.00		0.00		NO	540.6	> 1657.2 ✓	3.66	556.2
236	Total Nona-PCBs				0.945	5.914	0.00		0.00		NO	200.4		3.53	200.4
237	Deca-CB				0.943	5.914	0.00		0.00		NO	140.9		1.22	140.9

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Total Tetra-PCBs

Name	Area	IS Area	RA	YN	Prod. RT	RT	Comp.	Exp. Conc.
36 PCB-45	1.83e4	3.91e5	0.743	NO	30.40	30.46	97.84	97.84
35 PCB-51	4.92e3	3.91e5	0.747	NO	29.95	29.97	20.77	20.77
34 PCB-53	2.00e4	3.91e5	0.705	NO	29.60	29.66	90.48	90.48
33 PCB-50	5.35e2	4.64e5	0.460	YES	28.97	28.97	0.0000	1.808
32 PCB-54	9.42e2	4.64e5	1.098	YES	27.76	27.76	0.0000	2.910
55 PCB-61/70	1.14e5	2.35e5	0.732	NO	35.57	35.56	829.6	829.6
54 PCB-74	6.38e4	2.35e5	0.716	NO	35.36	35.45	429.9	429.9
53 PCB-63	1.18e3	2.35e5	0.714	NO	35.07	35.04	8.836	8.836
52 PCB-58	6.21e3	2.35e5	0.637	YES	34.92	34.91	0.0000	35.86
50 PCB-57	1.14e3	2.35e5	1.002	YES	34.45	34.44	0.0000	6.912
49 PCB-40	1.71e4	4.29e5	0.725	NO	34.09	34.03	116.9	116.9
48 PCB-68	1.19e3	4.29e5	0.707	NO	33.86	33.85	4.220	4.220
47 PCB-41/64/71/72	1.42e5	4.29e5	0.702	NO	33.60	33.60	519.8	519.8
45 PCB-44	1.15e5	4.29e5	0.711	NO	32.76	32.82	597.2	597.2
42 PCB-48/75	2.96e4	4.29e5	0.749	NO	32.04	32.06	114.2	114.2
41 PCB-47	4.98e4	4.29e5	0.726	NO	31.93	31.95	226.0	226.0
40 PCB-43/49	1.22e5	3.91e5	0.718	NO	31.70	31.71	560.1	560.1
38 PCB-52/69	2.00e5	3.91e5	0.711	NO	31.41	31.39	791.6	791.6
37 PCB-46	7.68e3	3.91e5	0.759	NO	30.90	30.91	44.08	44.08
63 PCB-77	1.87e4	4.92e5	0.793	NO	39.75	39.74	62.13	62.13
62 PCB-81	1.96e3	4.97e5	0.590	YES	39.13	39.17	0.0000	6.110
61 PCB-78	5.78e2	4.97e5	0.786	NO	38.60	38.53	1.905	1.905
60 PCB-79	2.76e3	5.06e5	0.634	YES	37.90	37.88	0.0000	7.868
59 PCB-56/60	1.26e5	5.06e5	0.723	NO	36.78	36.77	451.8	451.8
58 PCB-55	2.51e3	5.06e5	0.835	NO	36.27	36.26	7.830	7.830
56 PCB-76/66	1.97e5	2.35e5	0.729	NO	35.73	35.74	1327	1327
51 PCB-67	6.84e2	2.35e5	0.740	NO	34.78	34.78	4.945	4.945

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3rd Function Penta-PCBs

	Name	Area	IS-Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
79	PCB-108/112	7.42e3	2.73e5	1.617	NO	38.51	38.52	36.75	36.75
78	PCB-119	5.78e3	2.73e5	1.285	YES	38.34	38.35	0.0000	22.44
77	PCB-99	7.28e4	2.89e5	1.571	NO	37.90	37.88	380.7	380.7
75	PCB-90/101	2.35e5	2.89e5	1.511	NO	37.55	37.55	1455	1455
74	PCB-89	2.41e3	2.89e5	1.415	NO	37.37	37.34	14.68	14.68
73	PCB-84/92	6.98e4	2.89e5	1.494	NO	37.17	37.16	465.0	465.0
71	PCB-88/91	2.11e4	3.11e5	1.451	NO	36.23	36.23	129.2	129.2
69	PCB-95/98/102	1.67e5	3.11e5	1.498	NO	35.75	35.82	895.5	895.5
67	PCB-100	1.21e3	3.64e5	1.550	NO	34.88	34.89	7.225	7.225
66	PCB-103	2.71e3	3.64e5	1.164	YES	34.51	34.46	0.0000	14.33
65	PCB-96	1.73e3	3.64e5	1.974	YES	33.94	33.86	0.0000	6.965
92	PCB-106/118	1.70e5	3.43e5	1.511	NO	41.72	41.70	781.4	781.4
91	PCB-123	2.65e3	3.47e5	1.527	NO	41.51	41.53	12.38	12.38
90	PCB-107/109	1.28e4	3.47e5	1.520	NO	41.34	41.36	53.27	53.27
89	PCB-124	8.65e3	3.47e5	1.661	NO	41.21	41.20	36.20	36.20
88	PCB-82	1.51e4	3.47e5	1.486	NO	40.46	40.47	109.0	109.0
87	PCB-110	2.27e5	2.73e5	1.492	NO	39.85	39.84	947.2	947.2
86	PCB-120	1.80e3	2.73e5	1.310	YES	39.71	39.65	0.0000	6.156
85	PCB-85/116	2.51e4	2.73e5	1.461	NO	39.44	39.43	128.0	128.0
84	PCB-111/115	3.32e3	2.73e5	1.629	NO	39.32	39.32	12.85	12.85
83	PCB-87/117/125	6.81e4	2.73e5	1.435	NO	39.15	39.17	316.4	316.4
81	PCB-97	4.39e4	2.73e5	1.485	NO	38.89	38.89	252.4	252.4
82	PCB-86	7.19e2	2.73e5	1.081	YES	39.04	39.04	0.0000	3.808

4th Function Penta-PCBs

	Name	Area	IS-Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
97	PCB-126	1.20e3	4.12e5	1.307	YES	45.58	45.60	0.0000	3.787
95	PCB-105	8.45e4	4.63e5	1.555	NO	43.26	43.27	280.7	280.7
94	PCB-122	2.43e3	4.61e5	1.750	NO	42.51	42.51	9.145	9.145
93	PCB-114	5.46e3	4.61e5	1.711	NO	42.38	42.38	17.24	17.24

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3rd Function Hexa-PCBs

Name	Area	IS Area	RA	Y/N	Prod.PT	RI	Conc	EMPC
99 PCB-150	3.15e2	2.70e5	1.025	YES	38.37	38.37	0.0000	2.047
110 PCB-140	8.49e2	2.70e5	1.113	NO	41.87	41.87	8.476	8.476
109 PCB-139/149	2.19e5	2.70e5	1.281	NO	41.68	41.64	1860	1860
108 PCB-147	2.05e3	2.70e5	1.641	YES	41.39	41.40	0.0000	16.48
107 PCB-144	1.36e4	2.70e5	1.122	NO	41.27	41.25	127.9	127.9
106 PCB-135	3.08e4	2.70e5	1.363	NO	41.16	41.14	269.2	269.2
105 PCB-151	6.92e4	2.70e5	1.283	NO	40.94	40.92	685.7	685.7
104 PCB-154	2.49e3	2.70e5	1.339	NO	40.26	40.27	21.56	21.56
102 PCB-136	4.67e4	2.70e5	1.244	NO	39.66	39.63	346.8	346.8
100 PCB-152	2.74e2	2.70e5	1.004	YES	38.86	38.83	0.0000	1.544
103 PCB-148	2.51e2	2.70e5	1.272	NO	39.77	39.74	2.268	2.268

4th Function Hexa-PCBs

Name	Area	IS Area	RA	Y/N	Prod.PT	RI	Conc	EMPC
126 PCB-128/162	3.31e4	3.70e5	1.163	NO	46.68	46.66	177.5	177.5
125 PCB-159	7.94e3	3.70e5	1.177	NO	46.39	46.45	32.37	32.37
124 PCB-166	6.93e2	3.70e5	1.138	NO	46.06	46.03	2.961	2.961
123 PCB-129	6.81e3	3.04e5	1.214	NO	45.58	45.58	46.26	46.26
122 PCB-158/160	4.05e4	3.04e5	1.183	NO	45.33	45.31	191.2	191.2
121 PCB-138/163/164	4.20e5	3.04e5	1.185	NO	45.08	45.08	1906	1906
120 PCB-130	1.40e4	3.12e5	1.069	NO	44.69	44.71	90.07	90.07
119 PCB-137	6.20e3	3.12e5	1.430	YES	44.57	44.59	0.0000	31.37
118 PCB-141	8.72e4	3.12e5	1.217	NO	44.19	44.19	488.6	488.6
116 PCB-153	4.89e5	3.77e5	1.222	NO	43.44	43.44	2168	2168
115 PCB-132/161	1.03e5	3.77e5	1.211	NO	43.25	43.28	474.1	474.1
114 PCB-146/165	6.01e4	3.77e5	1.175	NO	43.02	43.02	281.2	281.2
112 PCB-131/133	7.56e3	3.77e5	1.186	NO	42.61	42.60	42.90	42.90
111 PCB-134/143	1.39e4	3.77e5	1.270	NO	42.33	42.32	84.77	84.77
129 PCB-157	3.92e3	3.66e5	1.025	YES	48.70	48.69	0.0000	16.92
128 PCB-156	3.38e4	3.59e5	1.184	NO	48.40	48.40	150.7	150.7
127 PCB-167	1.24e4	3.73e5	1.216	NO	47.09	47.09	54.08	54.08

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Total Hepta-PCBs

Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
133 PCB-179	8.07e4	3.00e5	1.019	NO	44.31	44.31	386.4	386.4
148 PCB-180	2.95e5	1.85e5	1.020	NO	49.73	49.73	2036	2036
146 PCB-172	1.81e4	1.85e5	1.027	NO	49.33	49.31	126.2	126.2
145 PCB-173	2.26e3	1.85e5	0.976	NO	48.84	48.84	18.02	18.02
144 PCB-171	3.37e4	1.85e5	1.013	NO	48.41	48.42	247.4	247.4
143 PCB-177	6.81e4	1.85e5	1.066	NO	48.11	48.12	500.2	500.2
141 PCB-174	1.28e5	1.85e5	1.044	NO	47.84	47.83	955.9	955.9
140 PCB-185	1.62e4	1.85e5	0.979	NO	47.47	47.47	112.1	112.1
139 PCB-183	8.22e4	3.00e5	1.022	NO	46.79	46.79	483.8	483.8
138 PCB-182/187	1.64e5	3.00e5	1.009	NO	46.46	46.45	961.6	961.6
137 PCB-175	5.21e3	3.00e5	1.002	NO	46.26	46.28	34.56	34.56
136 PCB-178	2.32e4	3.00e5	1.031	NO	45.90	45.92	157.4	157.4
134 PCB-176	2.44e4	3.00e5	0.989	NO	44.78	44.80	118.4	118.4
153 PCB-189	4.20e3	1.99e5	1.309	YES	53.12	53.12	0.0000	23.73
152 PCB-190	2.84e4	1.63e5	1.082	NO	51.58	51.60	160.2	160.2
151 PCB-170	1.02e5	1.63e5	1.016	NO	51.40	51.39	778.4	778.4
150 PCB-191	5.87e3	1.85e5	0.964	NO	50.20	50.20	34.00	34.00
149 PCB-193	1.57e4	1.85e5	0.997	NO	49.96	49.94	93.00	93.00

4th Function Octa-PCBs

Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
161 PCB-196/203	4.88e4	2.28e5	0.830	NO	52.52	52.53	460.8	460.8
160 PCB-199	3.89e4	2.28e5	0.853	NO	52.21	52.23	408.9	408.9
159 PCB-198	2.06e3	2.28e5	1.113	YES	52.08	52.10	0.0000	18.29
158 PCB-200	7.80e3	2.28e5	0.881	NO	50.53	50.52	60.64	60.64
157 PCB-197	2.66e3	2.28e5	0.830	NO	49.58	49.59	20.12	20.12
155 PCB-201	7.28e3	2.28e5	0.863	NO	49.11	49.12	58.97	58.97
154 PCB-202	1.01e4	2.28e5	0.842	NO	48.63	48.63	72.79	72.79

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5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
164	PCB-205	3.20e3	2.29e5	1.041	YES	55.01	55.03	0.0000	15.63
163	PCB-194	5.91e4	2.29e5	0.900	NO	54.75	54.75	377.9	377.9
162	PCB-195	2.27e4	2.29e5	0.916	NO	53.83	53.83	162.7	162.7

Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
167	PCB-206	1.48e4	1.78e5	1.220	NO	56.27	56.27	142.6	142.6
166	PCB-207	2.83e3	2.75e5	1.460	NO	54.29	54.31	19.12	19.12
165	PCB-208	5.86e3	2.75e5	1.267	NO	53.97	53.97	38.62	38.62

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
168	PCB-209	1.41e4	1.79e5	1.222	NO	57.50	57.51	140.9	140.9

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC

Total Mono-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
169	13C-PCB-1	5.74e5	1.08e5	2.880	NO	15.48	15.61	8346	
170	13C-PCB-3	6.10e5	1.08e5	3.029	NO	18.11	18.26	8758	

Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
171	13C-PCB-4	4.41e5	1.08e5	1.592	NO	19.47	19.59	10790	
213	13C-PCB-15	1.08e5	1.08e5	2.961	YES	25.49	25.44	1691	

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2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC

3rd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
177	13C-PCB-37	6.75e5	7.71e5	0.972	NO	32.91	33.01	1542	
176	13C-PCB-28	6.21e5	7.71e5	0.946	NO	28.91	28.90	1273	
214	13C-PCB-31	7.71e5	7.71e5	0.968	NO	28.80	28.80	1691	

Tetra-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
182	13C-PCB-80	5.06e5	5.44e5	0.754	NO	35.91	35.93	1506	
181	13C-PCB-70	2.35e5	5.44e5	0.725	NO	35.48	35.56	726.4	
180	13C-PCB-47	4.29e5	5.44e5	0.756	NO	31.85	31.91	1492	
179	13C-PCB-52	3.91e5	5.44e5	0.749	NO	31.33	31.37	1440	
178	13C-PCB-54	4.64e5	5.44e5	0.764	NO	27.66	27.74	1313	
184	13C-PCB-77	4.92e5	5.44e5	0.768	NO	39.73	39.73	1597	
183	13C-PCB-81	4.97e5	5.44e5	0.771	NO	39.12	39.11	1569	
220	13C-PCB-79	4.71e5	5.44e5	0.753	NO	37.85	37.85	1418	
215	13C-PCB-60	5.44e5	5.44e5	0.753	NO	36.66	36.75	1691	

3rd Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
185	13C-PCB-104	3.64e5	3.88e5	1.601	NO	32.51	32.62	1445	
190	13C-PCB-118	3.43e5	3.88e5	1.586	NO	41.70	41.68	1532	
189	13C-PCB-123	3.47e5	3.88e5	1.560	NO	41.52	41.49	1642	
216	13C-PCB-111	3.88e5	3.88e5	1.617	NO	39.22	39.32	1691	
188	13C-PCB-97	2.73e5	3.88e5	1.669	NO	38.87	38.85	1678	
187	13C-PCB-101	2.89e5	3.88e5	1.611	NO	37.52	37.53	1546	
186	13C-PCB-95	3.11e5	3.88e5	1.603	NO	35.77	35.80	1589	

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4th Function Penta-Isotopes

#	Name	Area	IS Area	RA	YN	Pred. RT	RT	Conc	EMPC
194	13C-PCB-126	4.12e5	2.89e5	1.548	NO	45.54	45.56	1669	
193	13C-PCB-127	4.65e5	2.89e5	1.541	NO	43.57	43.61	1678	
192	13C-PCB-105	4.63e5	2.89e5	1.531	NO	43.23	43.25	1709	
191	13C-PCB-114	4.61e5	2.89e5	1.524	NO	42.34	42.36	1775	

4th Function Hexa-Isotopes

#	Name	Area	IS Area	RA	YN	Pred. RT	RT	Conc	EMPC
200	13C-PCB-167	3.73e5	2.89e5	1.265	NO	47.07	47.07	1532	
217	13C-PCB-128	2.89e5	2.89e5	1.218	NO	46.58	46.64	1691	
199	13C-PCB-159	3.70e5	2.89e5	1.239	NO	46.35	46.37	1511	
198	13C-PCB-138	3.04e5	2.89e5	1.269	NO	45.04	45.05	1506	
197	13C-PCB-141	3.12e5	2.89e5	1.232	NO	44.16	44.17	1597	
196	13C-PCB-153	3.77e5	2.89e5	1.246	NO	43.40	43.42	1548	
203	13C-PCB-169	3.22e5	2.89e5	1.284	NO	50.94	50.94	1401	
202	13C-PCB-157	3.66e5	2.89e5	1.260	NO	48.67	48.67	1522	
201	13C-PCB-156	3.59e5	2.89e5	1.288	NO	48.37	48.38	1502	

5th Function Octa-Isotopes

#	Name	Area	IS Area	RA	YN	Pred. RT	RT	Conc	EMPC
219	13C-PCB-205	3.20e5	3.20e5	0.887	NO	54.98	55.01	1691	
209	13C-PCB-194	2.29e5	3.20e5	0.873	NO	54.74	54.73	1694	

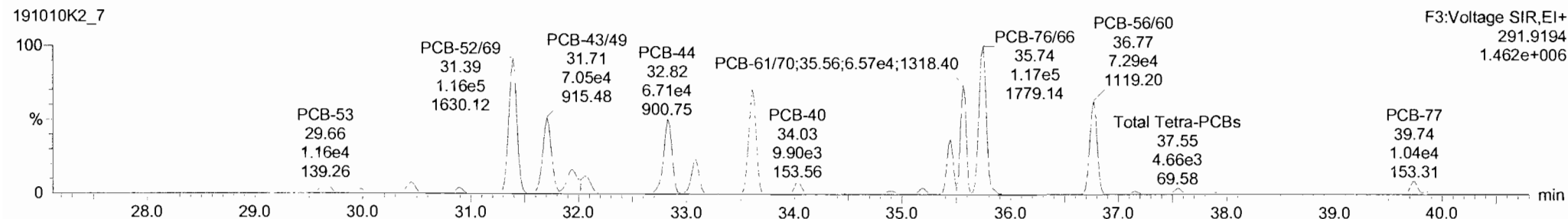
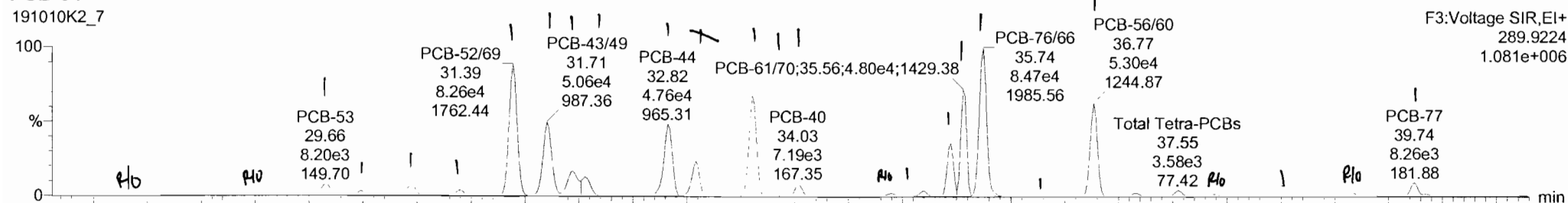
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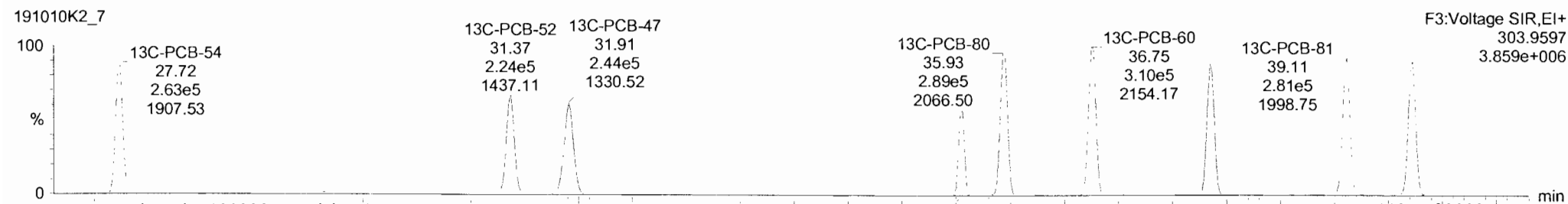
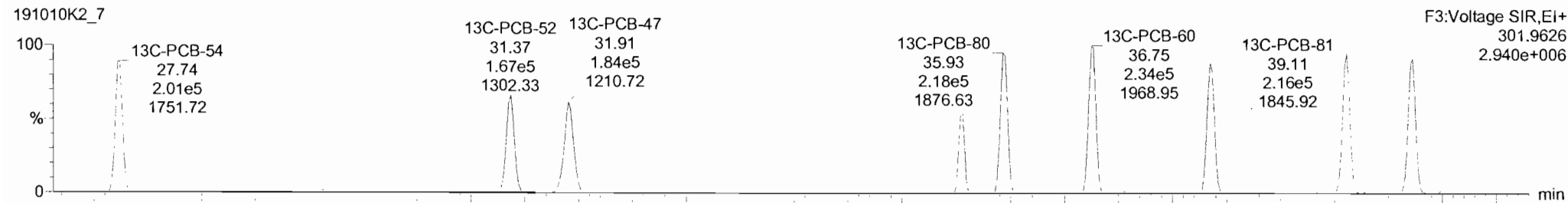
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Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

PCB-54



13C-PCB-54



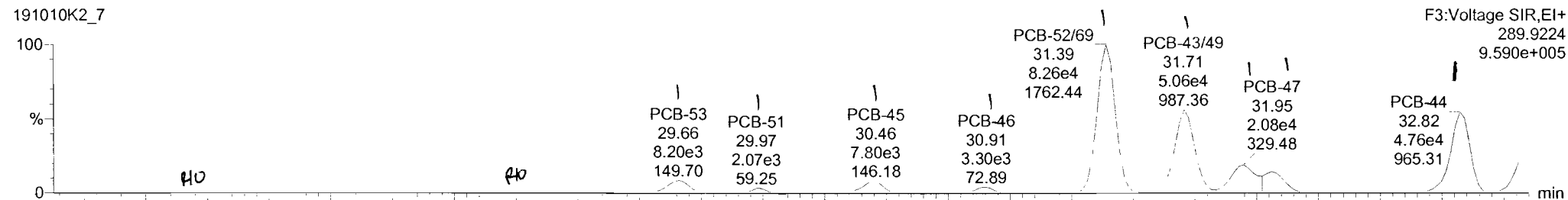
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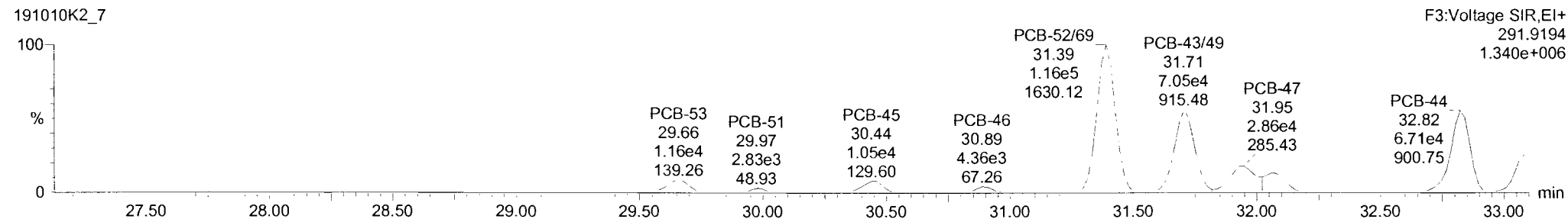
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PCB-50

191010K2_7

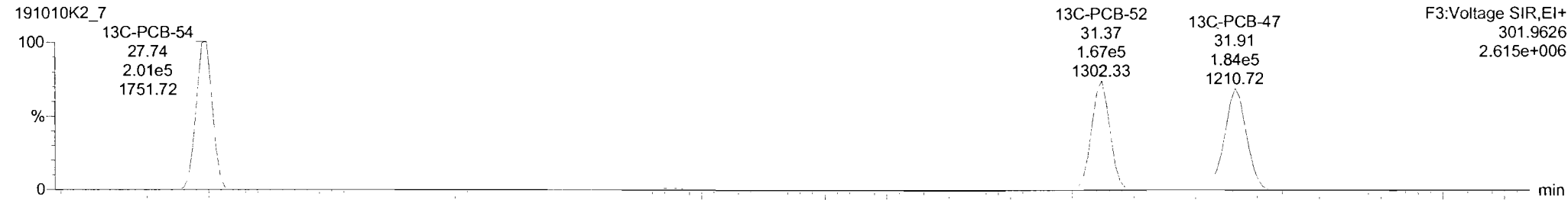


191010K2_7



13C-PCB-52

191010K2_7



191010K2_7

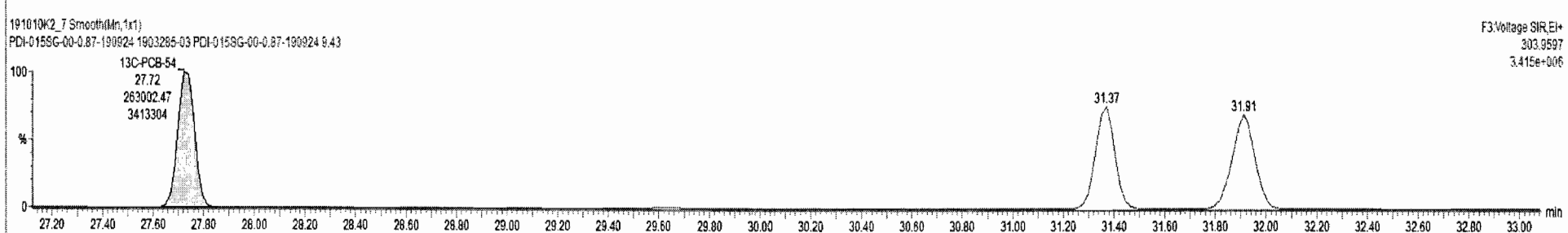
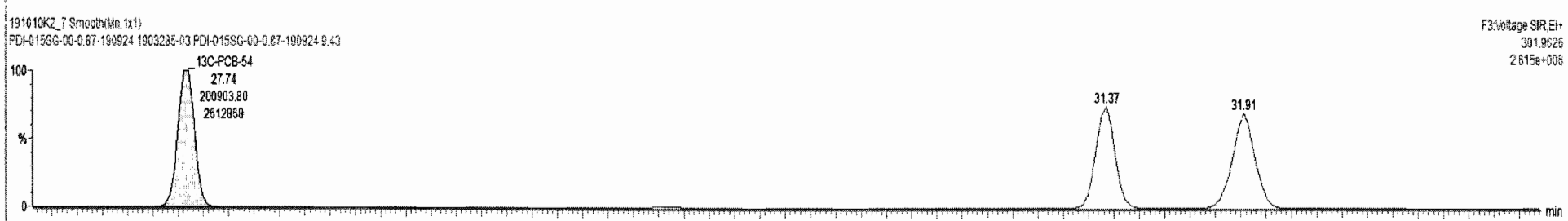
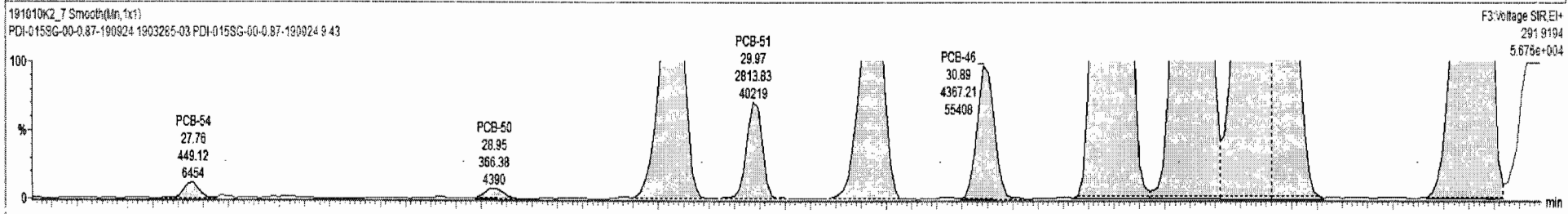
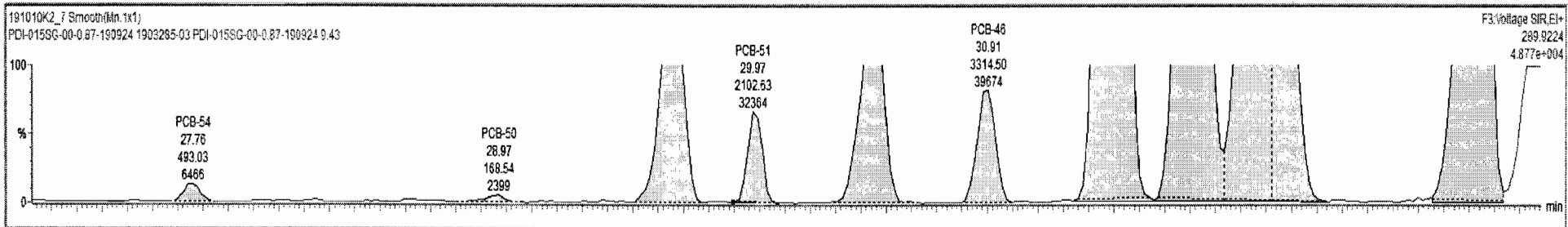




191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT Fat	Conc	%Rec	DL	EMPC
220	13C-PCB-79	4.71e5	0.75	NO	1.0320	5.914	37.85	37.85	1.030	1.030	NO	1418	83.9	1.57	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	32 PCB-54	27.76	27.76	4.920e2	4.491e2	0.770	1.10	YES	2.9100	0.00000
2	33 PCB-50	28.97	28.97	1.685e2	3.664e2	0.770	0.46	YES	1.8076	0.00000
3	34 PCB-53	29.60	29.60	8.262e3	1.172e4	0.770	0.70	NO	90.476	90.476

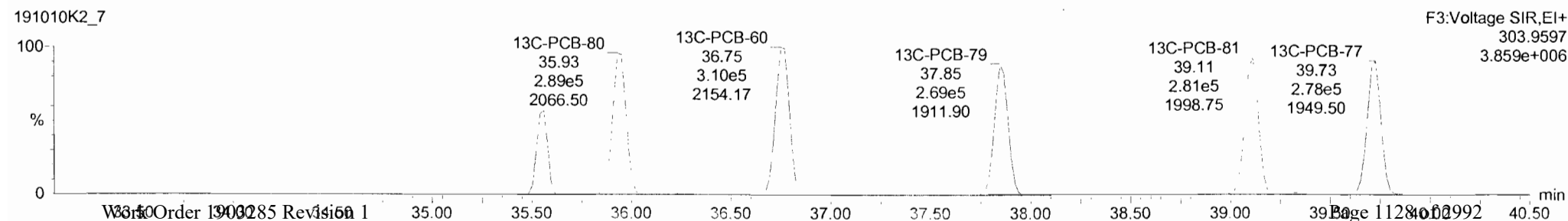
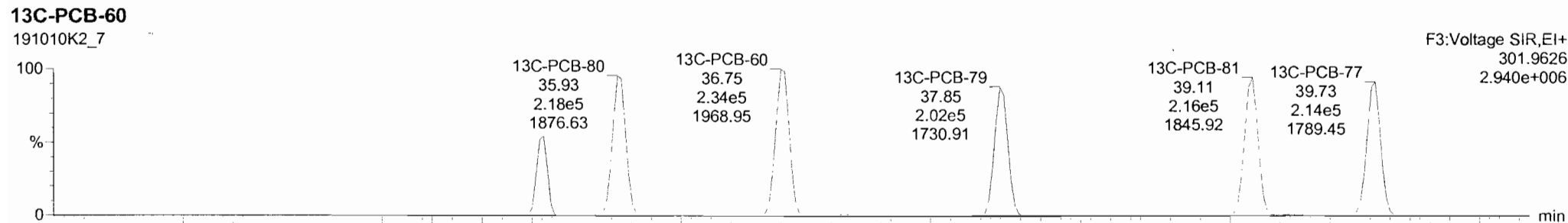
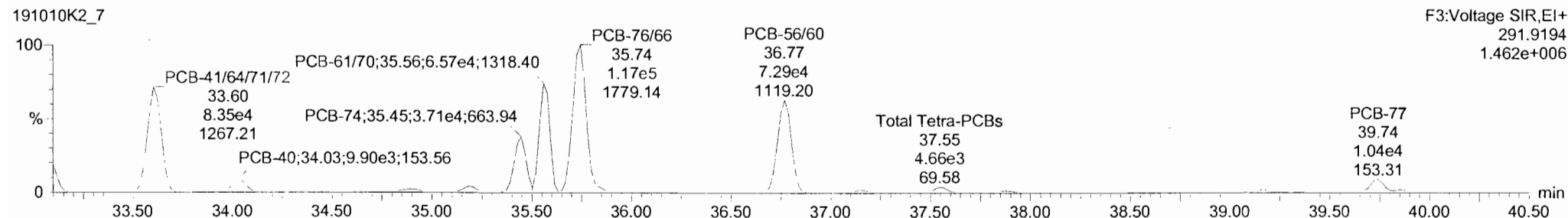
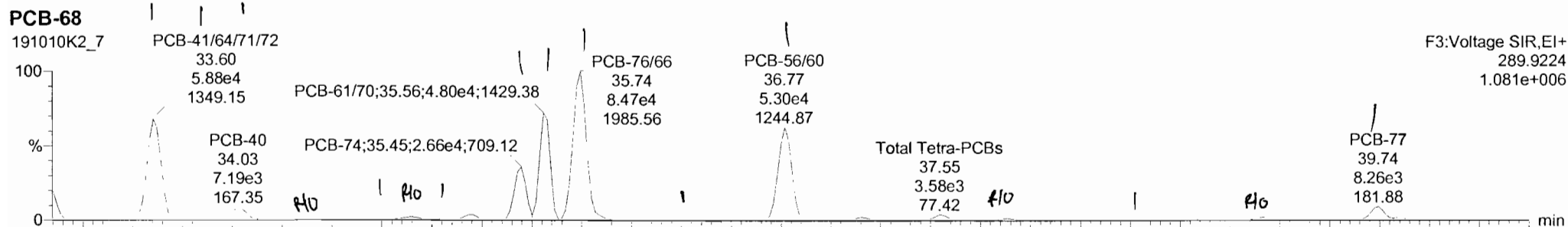


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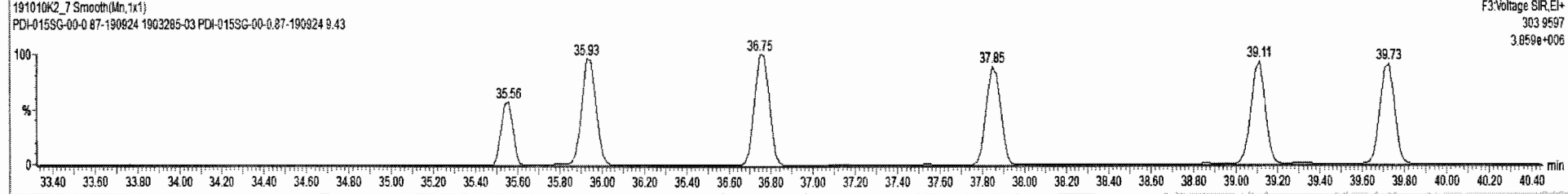
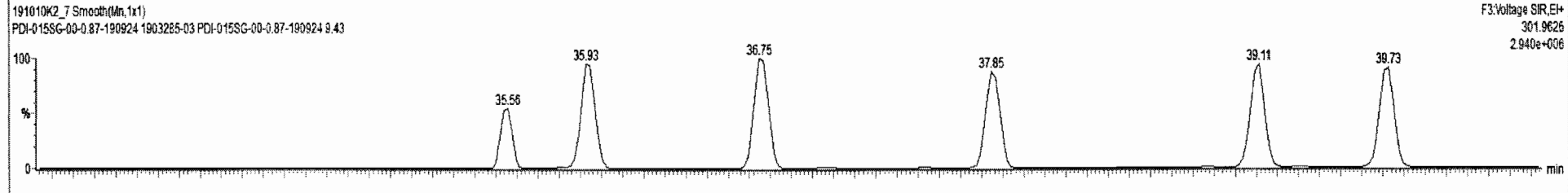
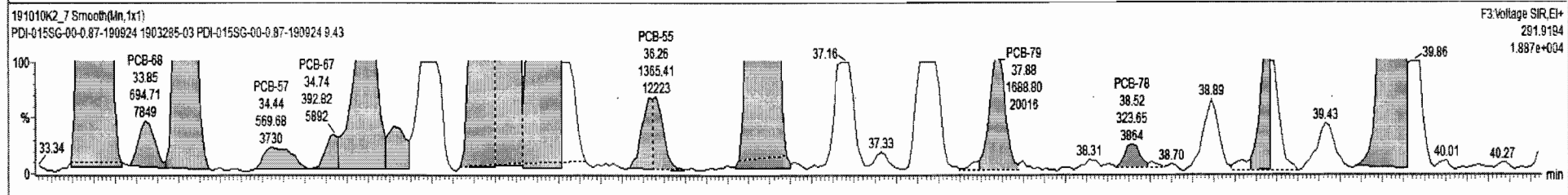
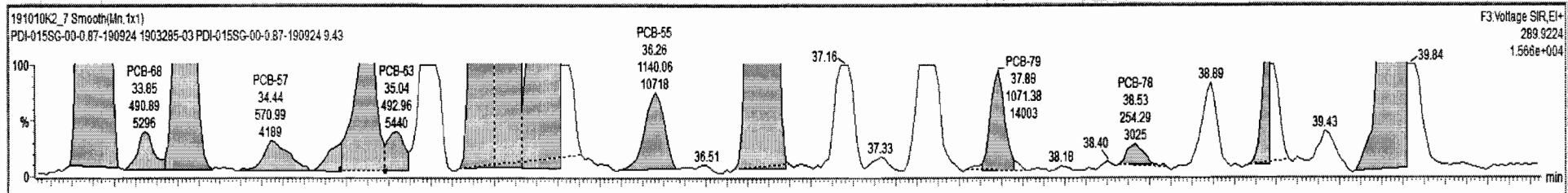




191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9861	5.914	0.00		0.000		NO	6307		33.3	6369
229	3rd Function Penta-PCBs				1.1154	5.914	0.00		0.000		NO	6033		19.5	6087
230	4th Function Penta-PCBs				1.1112	5.914	0.00		0.000		NO	307.0		5.88	310.8

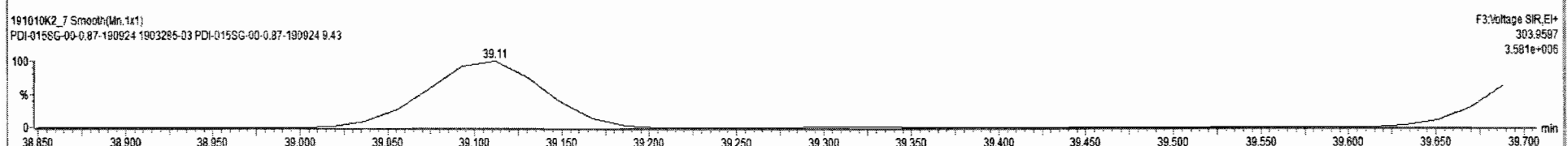
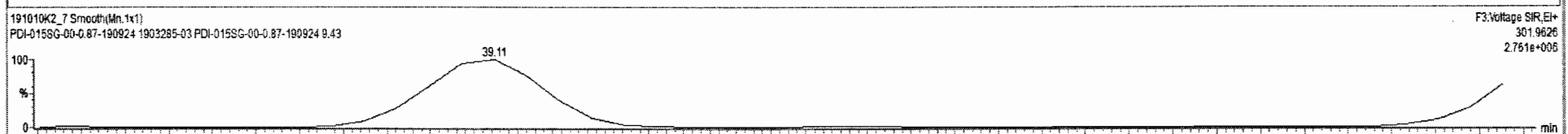
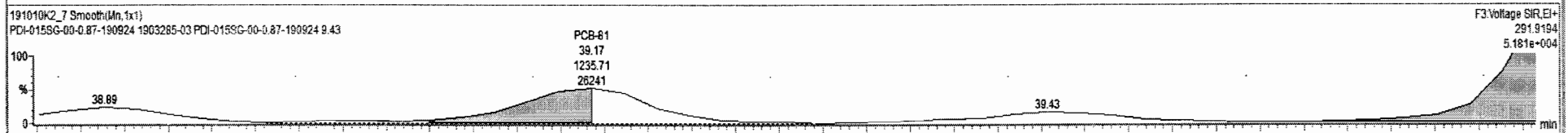
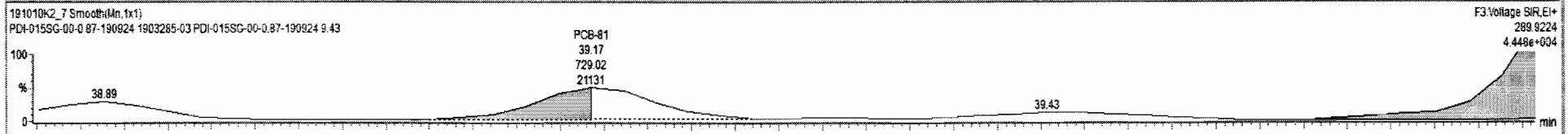
#	Name	Pred RT	RT	m1 Resp	m2 Resp	I ² Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.76	27.76	4.930e2	4.491e2	0.770	1.10	YES	2.9100	0.06000
33	PCB-56	28.97	28.97	1.665e2	3.664e2	0.770	0.46	YES	1.8076	0.00000
34	PCB-53	29.60	29.66	8.262e3	1.172e4	0.770	0.70	NO	90.476	90.476
35	PCB-51	29.95	29.97	2.103e3	2.814e3	0.770	0.75	NO	20.771	20.771
36	PCB-45	30.40	30.46	7.794e3	1.049e4	0.770	0.74	NO	97.844	97.844
37	PCB-46	30.90	30.91	3.315e3	4.367e3	0.770	0.76	NO	44.083	44.083



191010K2_7_1903285-03.PDI-015SG-00-0.87-190924_9.43_PDI-015SG-00-0.87-190924

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	SI#	RA	Y/N	RR1	Acq.Date	Acq.Time	1 st Chr.Noise	ID	Sample Text	Factor1	SW1	Cal File
219 13C-PCB-205	1630.87	1.84	100.0		3.159e5	1.000	55.01	2	219	0.887	NO	0.000	11-Oct-19	09:20:17	1965.868	1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
220 13C-PCB-79	1418.11	1.57	83.9		4.707e5	1.032	37.85	2	215	0.753	NO	1.030	11-Oct-19	09:20:17	1789.383	1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
221 13C-PCB-178	1149.81	2.39	68.0		1.719e5	0.875	45.90	2	217	0.431	NO	0.988	11-Oct-19	09:20:17	1061.485	1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
222 13C-PCB-79	1530.31	1.68	90.5		4.702e5	1.045	37.85	2	182	0.754	NO	0.968	11-Oct-19	09:20:17	1789.383	1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
223 13C-PCB-178	1606.18	3.34	95.0		1.719e5	0.975	45.90	2	205	0.430	NO	0.923	11-Oct-19	09:20:17	1061.485	1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
224 Total Mono-PCBs	227.357	2.95		227.357		1.812		2					11-Oct-19	09:20:17		1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
225 Total Di-PCBs	56.7940	1.24		56.7940		1.059		2					11-Oct-19	09:20:17		1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
226 2nd Function Tri-PCBs								2					11-Oct-19	09:20:17		1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
227 3rd Function Tri-PCBs	1768.26	15.6		1778.37		1.856		2					11-Oct-19	09:20:17		1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...
228 Total Tri-PCBs	6302.18	33.3		6356.74		0.966		2					11-Oct-19	09:20:17		1903285-03...	PDI-015SG-00-0...	1.0	5.91	db1_P...

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 PCB-45	30.46	7.94e4	1.064e5	7.79e3	1.049e4	0.74	NO	1.528e4	97.8	97.8
2 PCB-51	29.97	3.236e4	4.022e4	2.103e3	2.814e3	0.75	NO	4.916e3	20.8	20.8
3 PCB-53	29.66	8.156e4	1.146e5	8.262e3	1.172e4	0.70	NO	1.989e4	90.5	90.5
4 PCB-50	29.97	2.399e3	4.390e3	1.685e2	3.664e2	0.46	YES	6.349e2	0.006	1.81
5 PCB-54	27.76	6.486e3	6.454e3	4.930e2	4.491e2	1.10	YES	9.421e2	0.006	2.91
6 PCB-6170	35.56	7.789e5	1.082e6	4.811e4	6.571e4	0.73	NO	1.139e5	830	830



Custom Reporting: Select reports to generate

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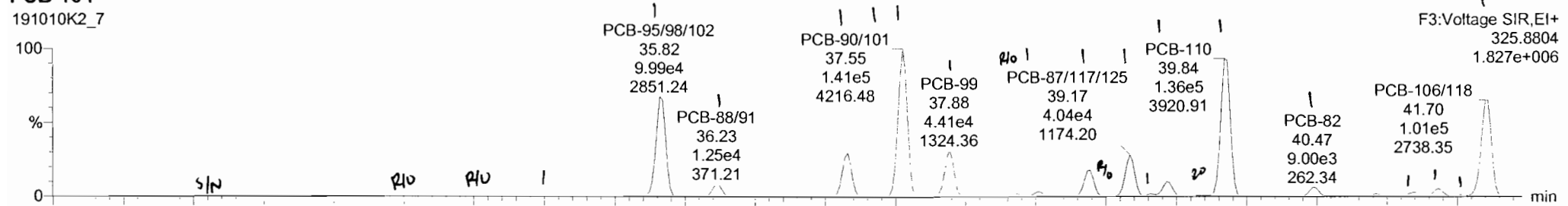
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

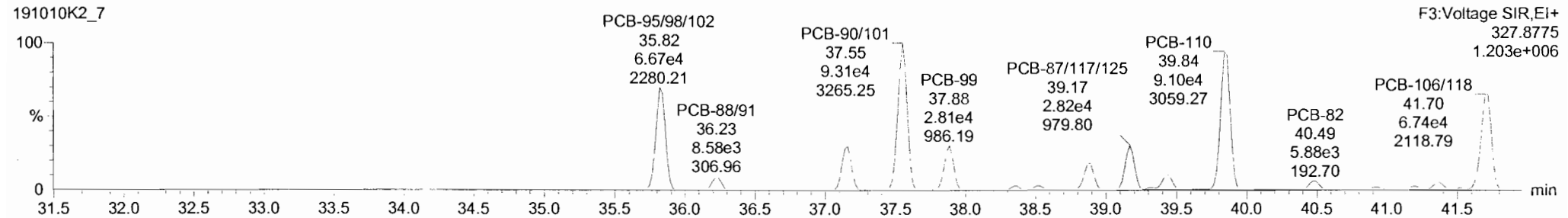
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PCB-104

191010K2_7

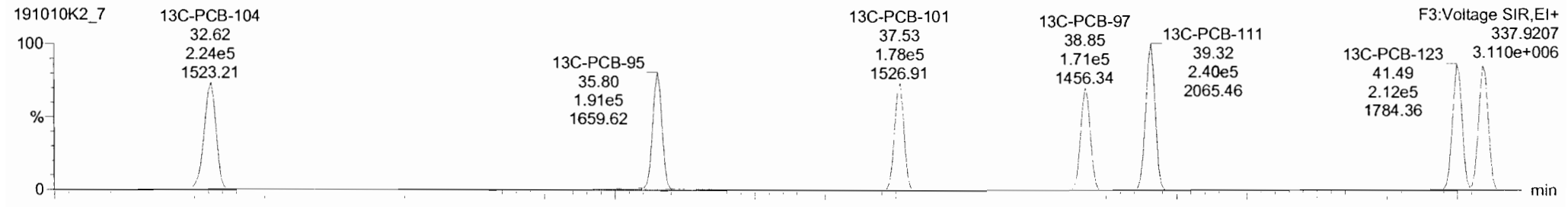


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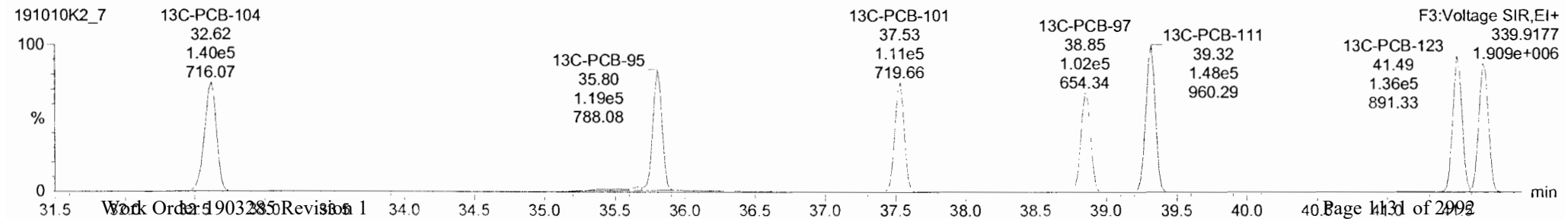


13C-PCB-104

191010K2_7



191010K2_7



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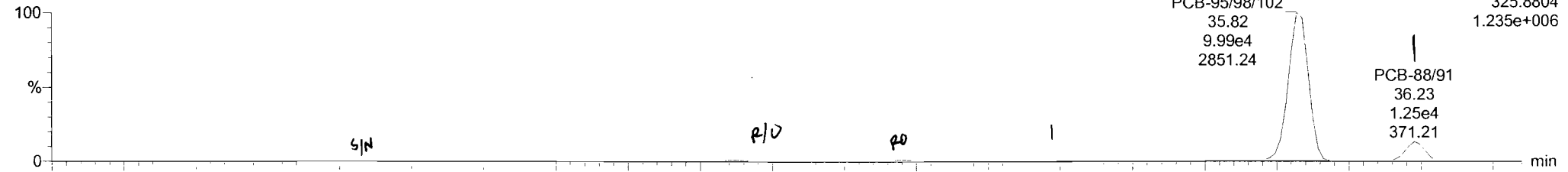
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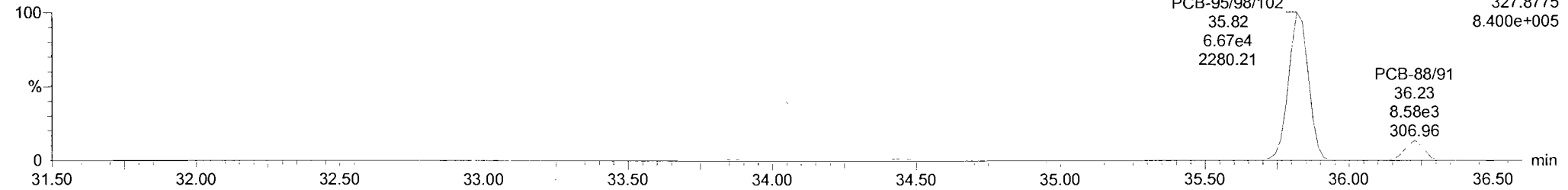
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PCB-96

191010K2_7

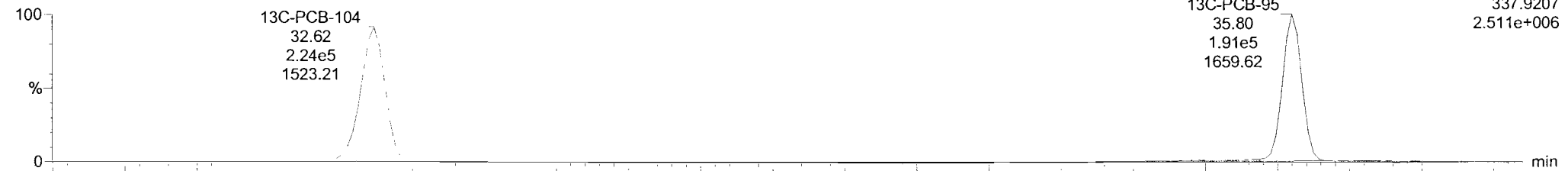


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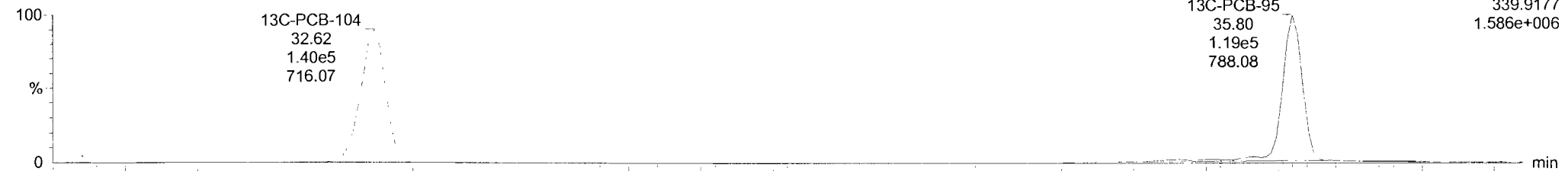


13C-PCB-95

191010K2_7



191010K2_7

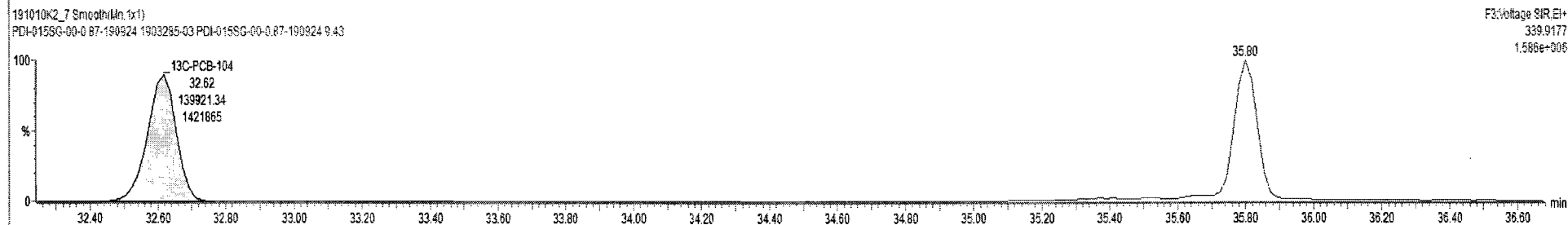
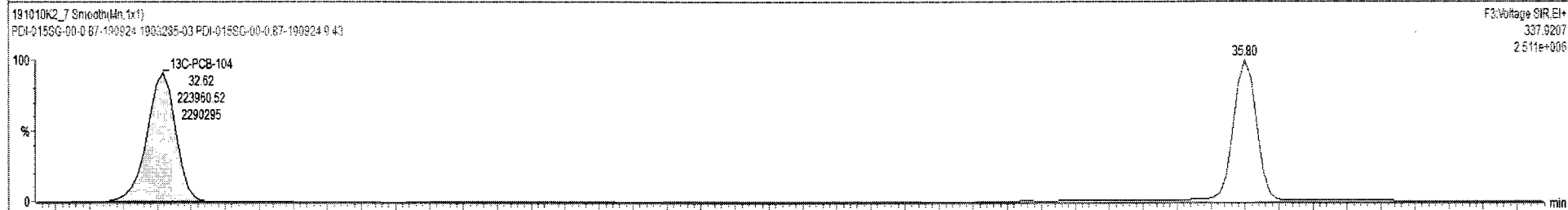
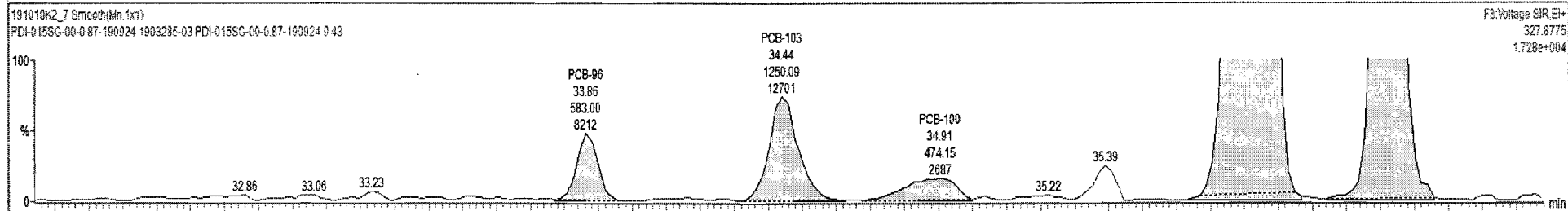
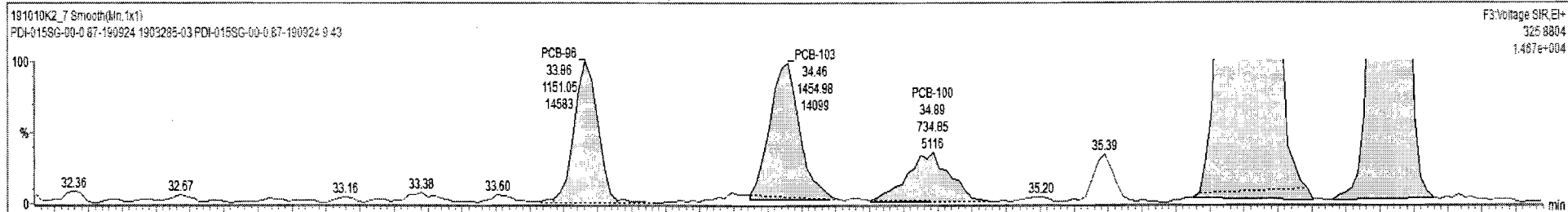




191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	ny	RF	w1vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9681	5.914	0.00		0.000		NO	6302	33.3		6357
270	7701 2nd Exclusion Data 0102				1.11E4	5.014	n not		n not		nr	6302	33.3		6357

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	ny	EMPC	Conc.
65	PCB-96	33.34	33.86	1.151e3	5.830e2	1.560	1.97	YES	6.9649	0.08000

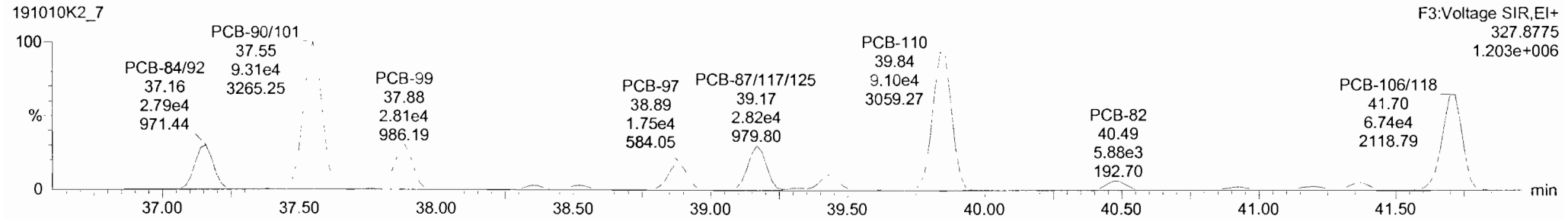
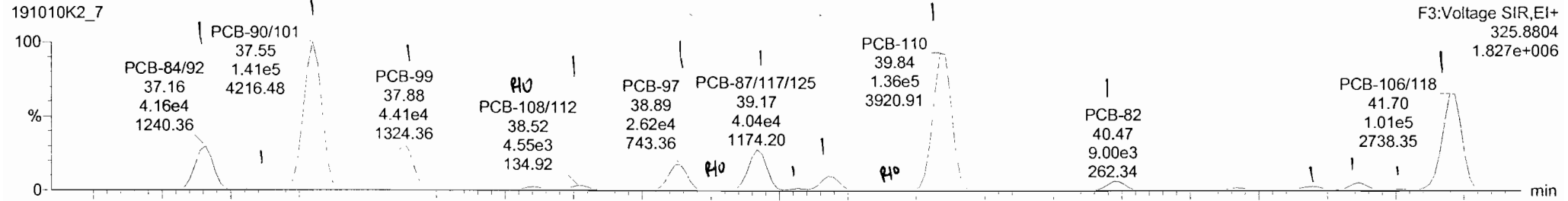


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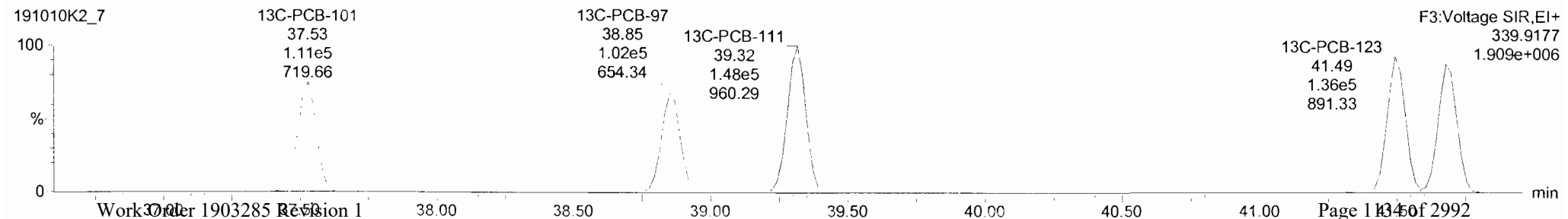
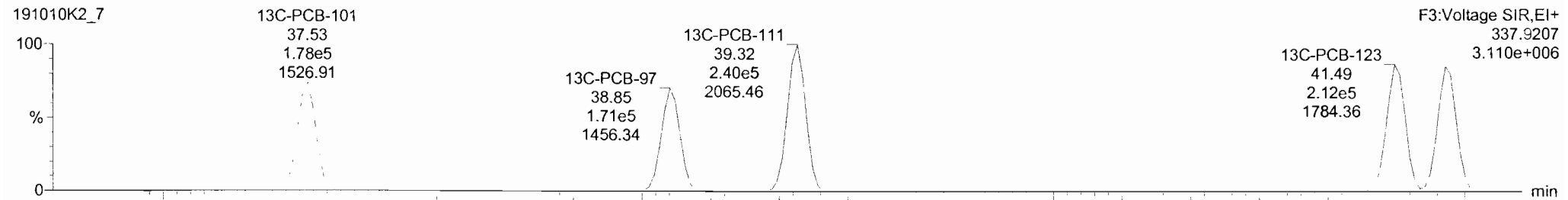
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PCB-119



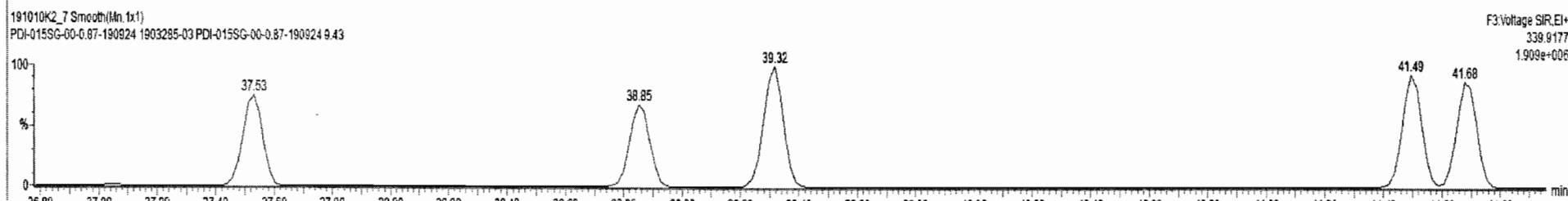
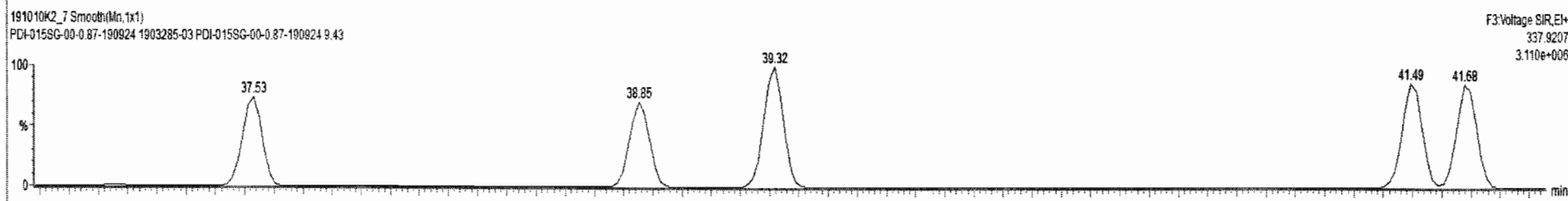
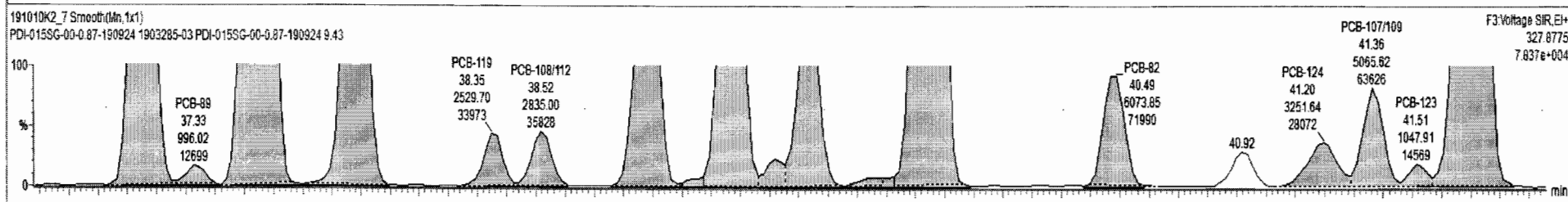
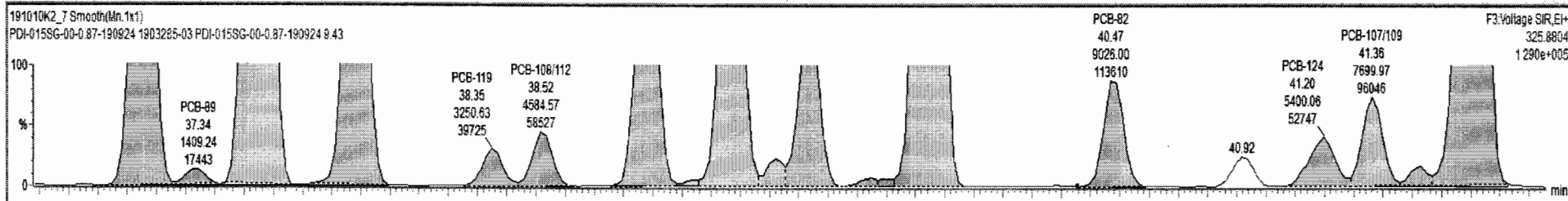
13C-PCB-111



191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RL	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	4.70e5	0.75	NO	1.0454	5.914	37.84	37.85	0.967	0.968	NO	1530	90.5	1.68	
223	13C-PCB-178	1.72e5	0.43	NO	0.9749	5.914	45.91	45.90	0.924	0.923	NO	1606	95.0	3.34	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
65	PCB-96	33.94	33.86	1.151e3	5.630e2	1.580	1.97	YES	6.9849	0.00000
66	PCB-103	34.51	34.46	1.455e3	1.250e3	1.560	1.16	YES	14.329	0.00000
67	PCB-100	34.88	34.89	7.349e2	4.742e2	1.560	1.55	NO	7.2246	7.2246
69	PCB-95/68/102	35.75	35.82	1.602e5	6.689e4	1.560	1.50	NO	895.46	695.46
71	PCB-88/91	36.23	36.23	1.251e4	6.623e3	1.560	1.45	NO	129.18	129.18
73	PCB-84/82	37.17	37.16	4.181e4	2.796e4	1.560	1.49	NO	465.00	465.00

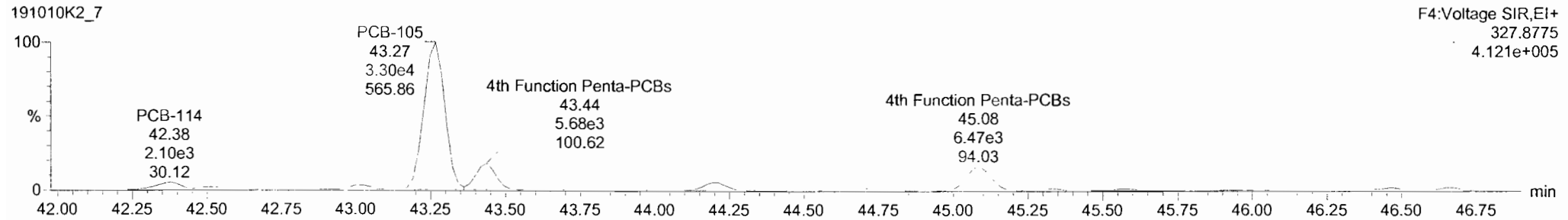
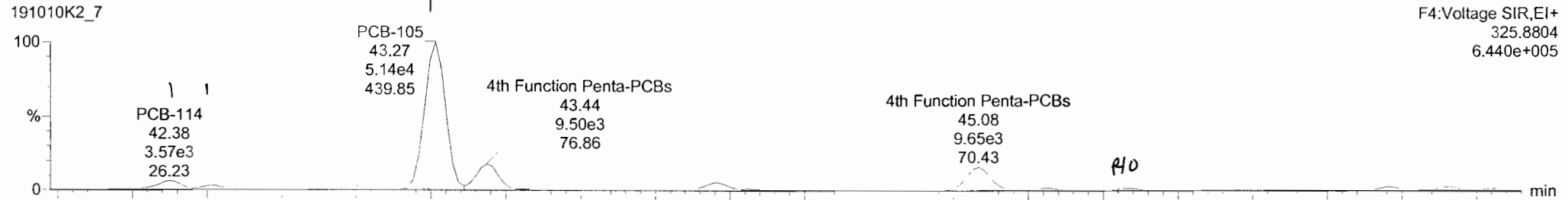


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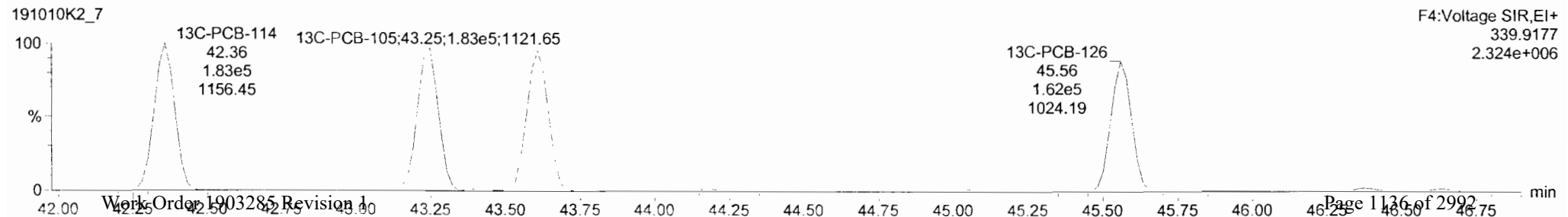
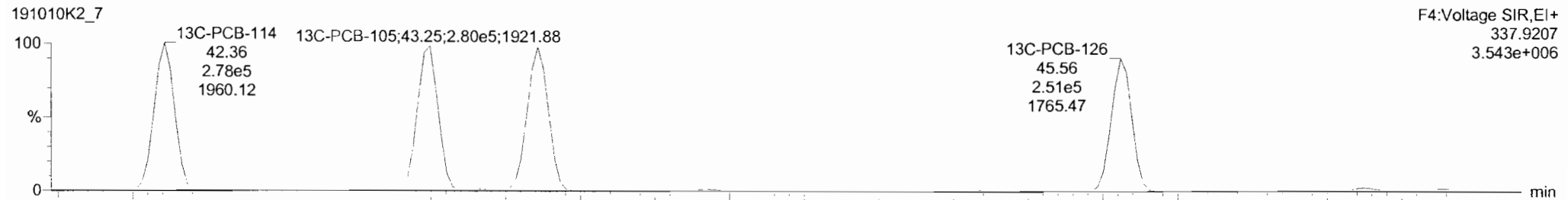
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

PCB-114



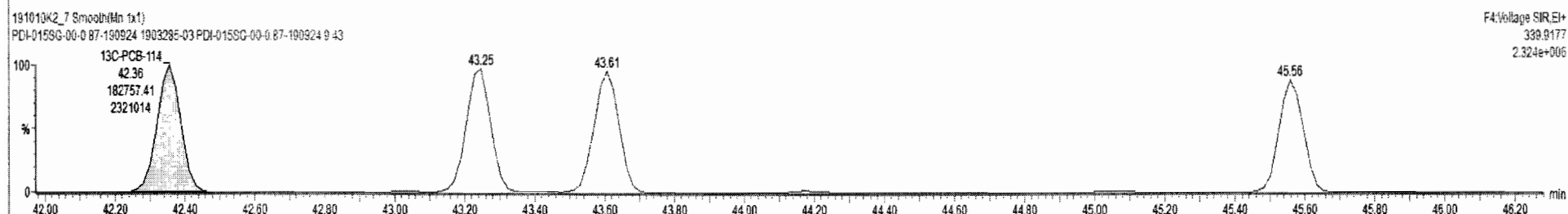
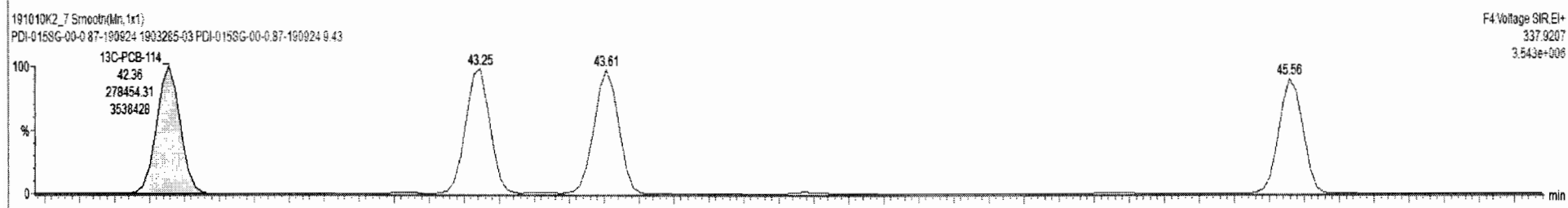
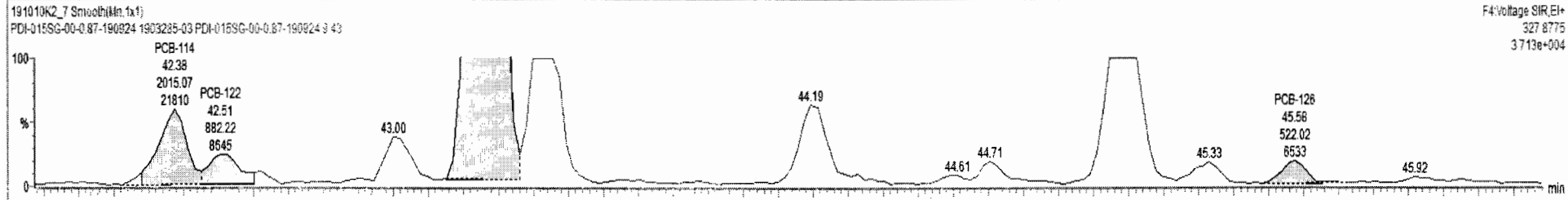
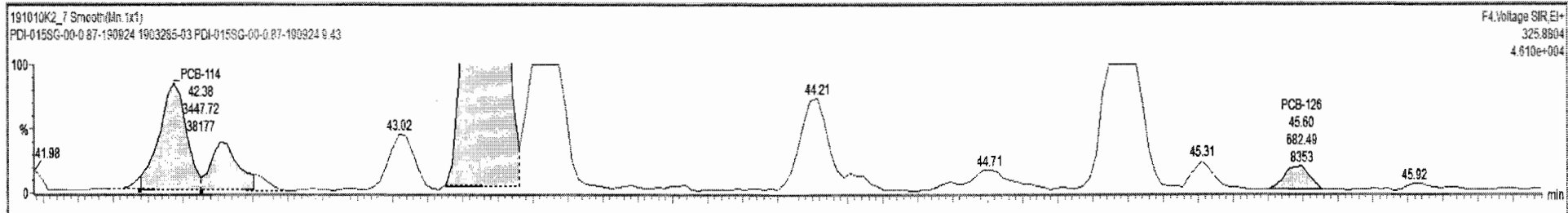
13C-PCB-114



191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.1112	5.914	0.00		0.00		NO	307.0		5.88	319.8
231	3rd Function Hexa-PCBs				0.7750	6.914	0.00		0.00		NO	298.0		11.11	298.0

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.38	42.38	3.448e3	2.015e3	1.560	1.71	NO	17.241	17.241
2	94 PCB-122	42.51	42.51	1.544e3	8.822e2	1.560	1.75	NO	9.1445	9.1445
3	95 PCB-105	43.26	43.27	5.145e4	3.308e4	1.550	1.58	NO	280.66	280.66
4	97 PCB-126	45.58	45.60	6.825e2	5.220e2	1.560	1.31	YES	3.7888	0.00000



Dataset: Untitled

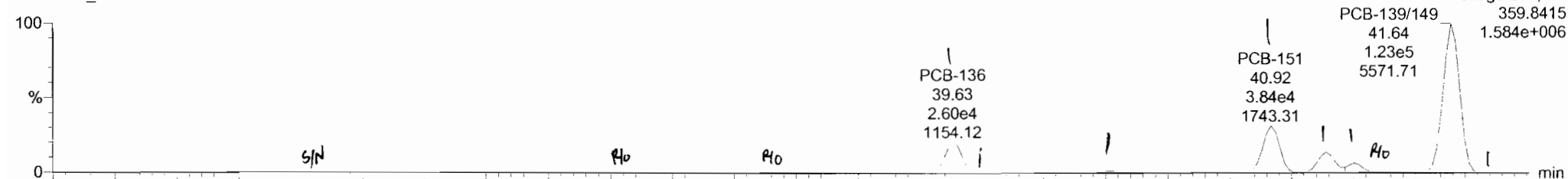
Last Altered: Tuesday, October 15, 2019 12:51:20 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

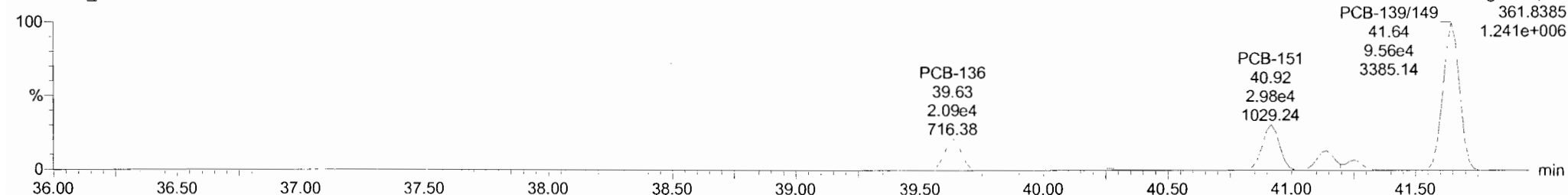
Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

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191010K2_7

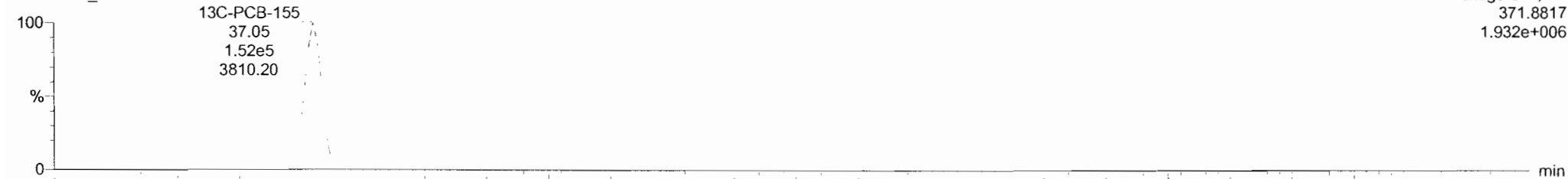


191010K2_7



13C-PCB-155

191010K2_7



191010K2_7

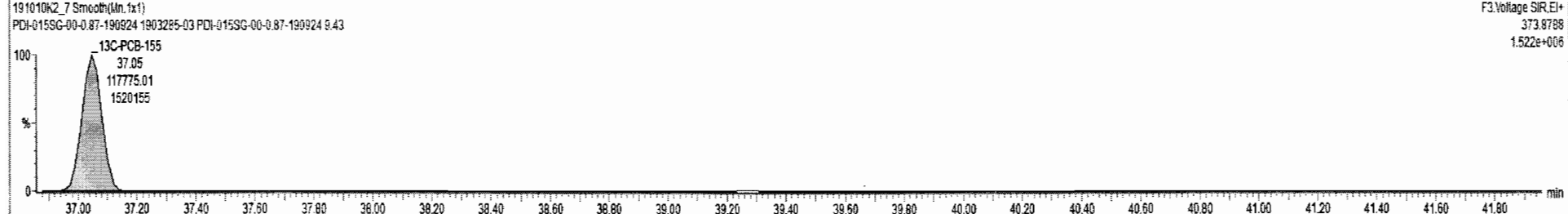
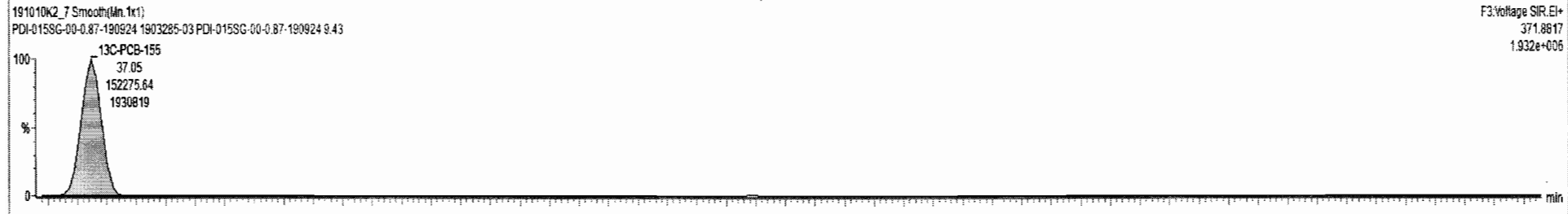
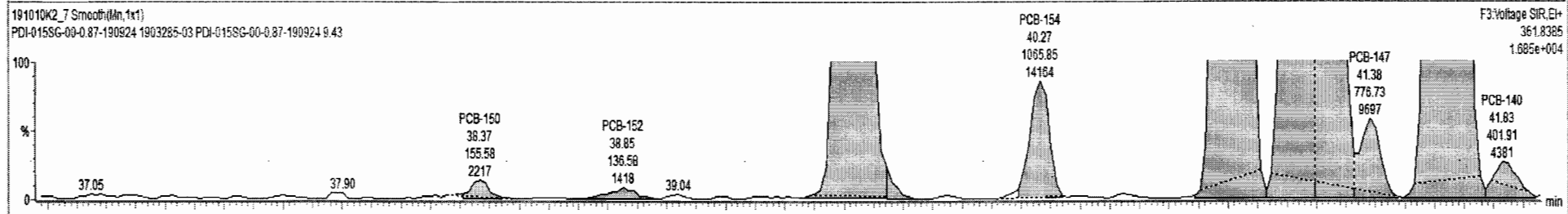
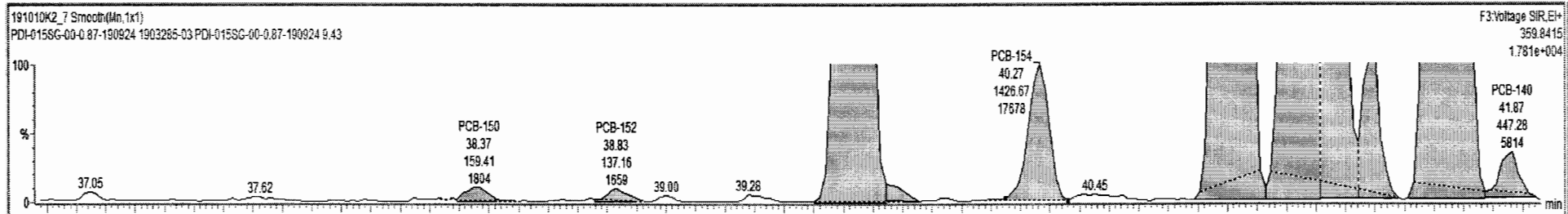




191010K2_7-1903285-03 PDI-015SG-00-0.87-190924 9.43 PDI-015SG-00-0.87-190924

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.1112	5.914	0.00		0.000		NO	307.0		5.88	310.8
231	3rd Function Hepta-PCBs				0.7739	5.914	0.00		0.000		NO	3322		11.1	3342

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	f1 Ratio (Pred)	RA	nly	EMPC	Conc.
4	193 PCB-148	39.77	39.74	1.40762	1.105e2	1.240	1.27	NO	2.2885	2.2885
5	104 PCB-154	40.26	40.27	1.427e3	1.086e3	1.240	1.34	NO	21.558	21.558
6	105 PCB-151	40.94	40.92	3.690e4	3.032e4	1.240	1.28	NO	685.67	685.67

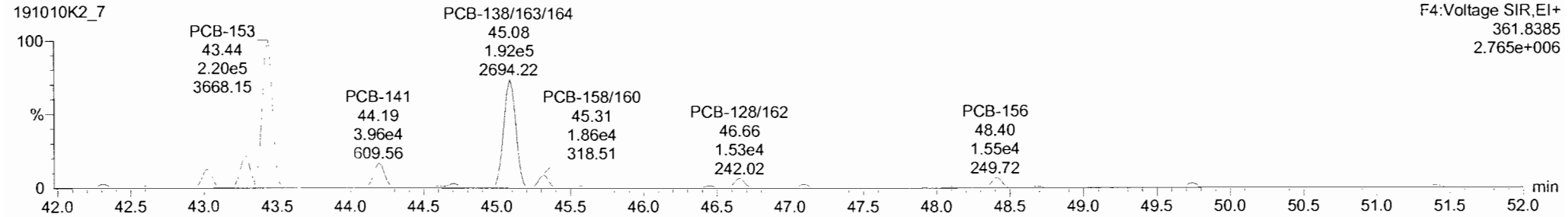
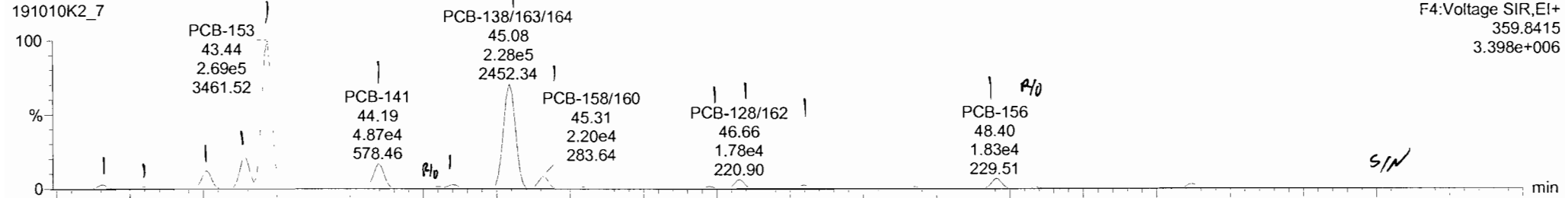


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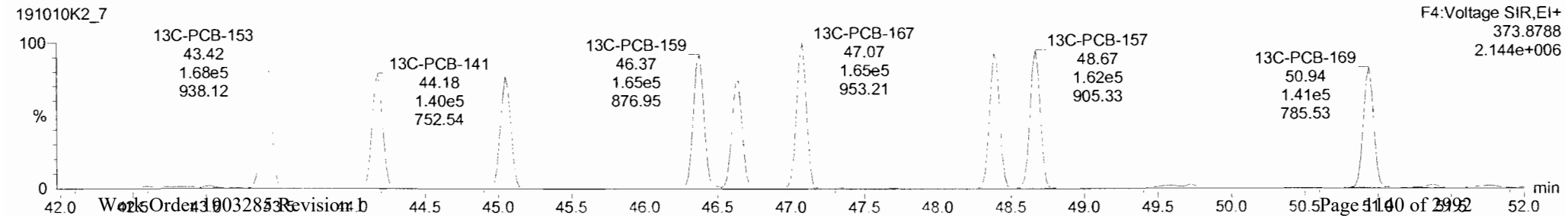
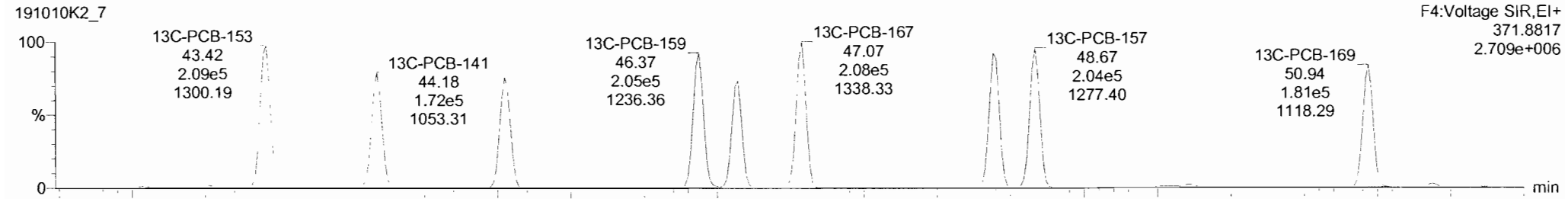
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

PCB-134/143



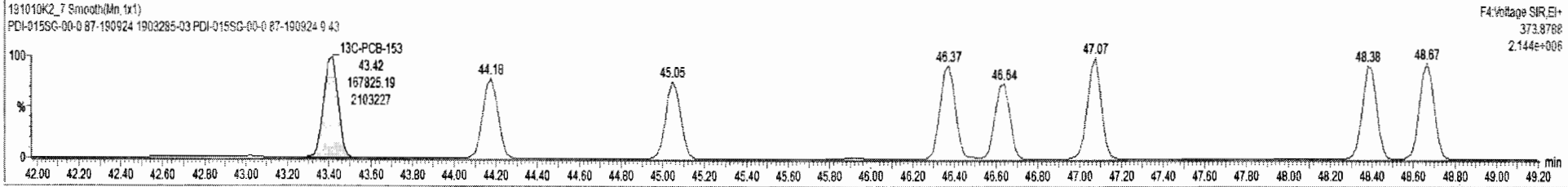
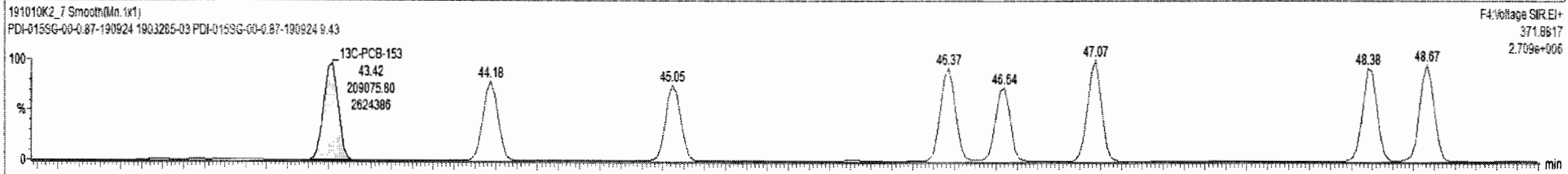
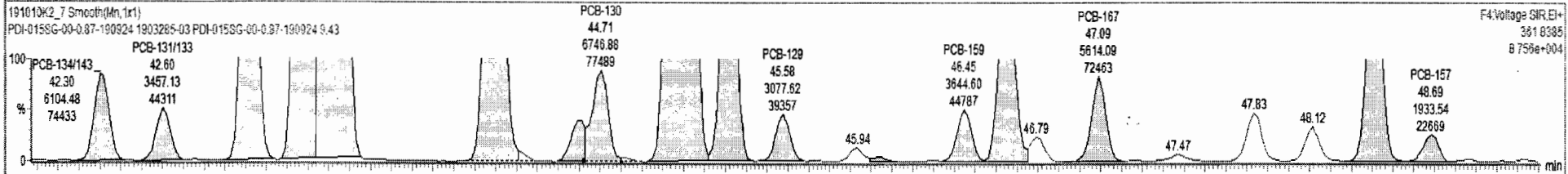
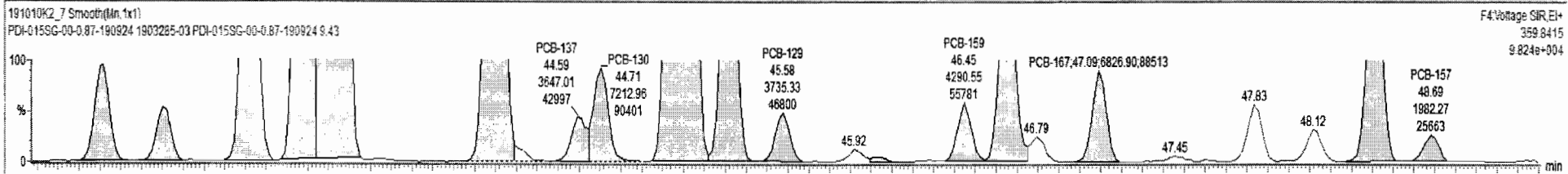
13C-PCB-153



191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Err	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs				0.9719	5.914	0.00		0.000		NO	6190	26.5	6239	
233	Total Hexa-PCBs				1.9632	5.014	0.00		0.000		NO	7180	77.7	7265	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-134/143	42.33	42.32	7.752e3	6.104e3	1.240	1.27	NO	84.766	84.766
2	PCB-131/133	42.61	42.60	4.096e3	3.457e3	1.240	1.19	NO	42.897	42.897
3	PCB-145/165	43.02	43.02	3.249e4	2.764e4	1.240	1.18	NO	281.20	281.20
4	PCB-132/161	43.25	43.28	5.641e4	4.657e4	1.240	1.21	NO	474.14	474.14
5	PCB-153	43.44	43.44	2.690e5	2.201e5	1.240	1.22	NO	2168.1	2168.1
6	PCB-141	44.19	44.19	4.784e4	3.930e4	1.240	1.22	NO	488.58	488.58
7	PCB-137	44.57	44.59	3.847e3	2.551e3	1.240	1.43	YES	31.374	0.00000
8	PCB-130	44.69	44.71	7.213e3	6.747e3	1.240	1.07	NO	90.071	90.071
9	PCB-138/163/164	45.06	45.06	2.276e5	1.923e5	1.240	1.18	NO	1905.5	1905.5
10	PCB-158/160	45.33	45.31	2.195e4	1.855e4	1.240	1.16	NO	191.25	191.25



Dataset: Untitled

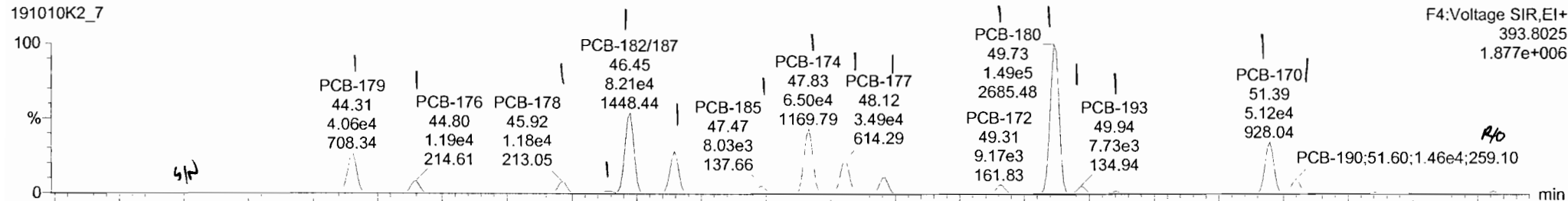
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

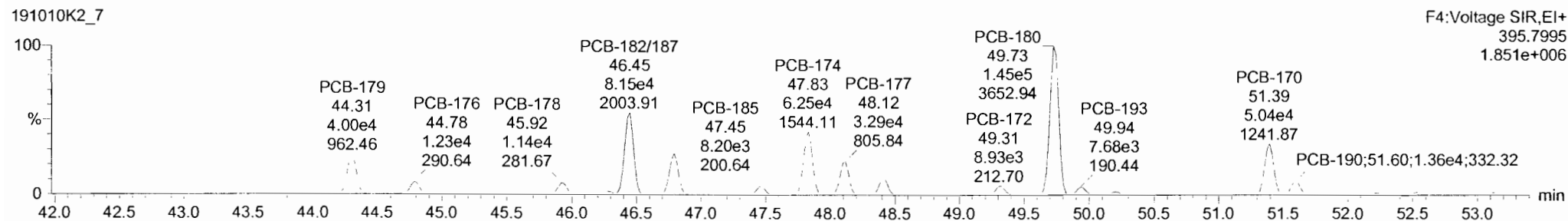
Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

PCB-188

191010K2_7

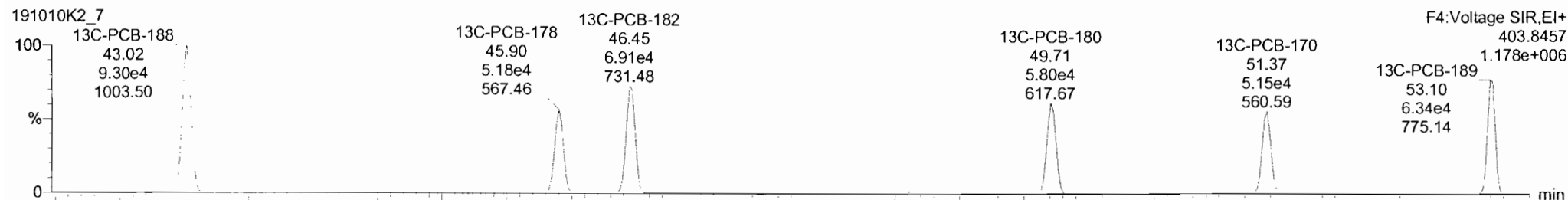


191010K2_7

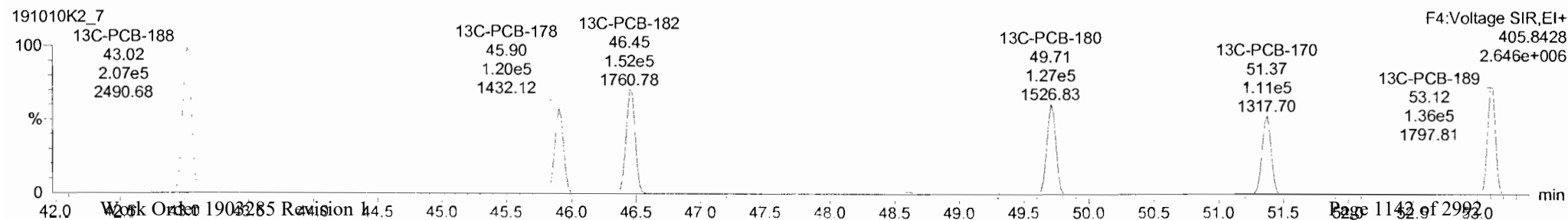


¹³C-PCB-188

191010K2_7



191010K2_7

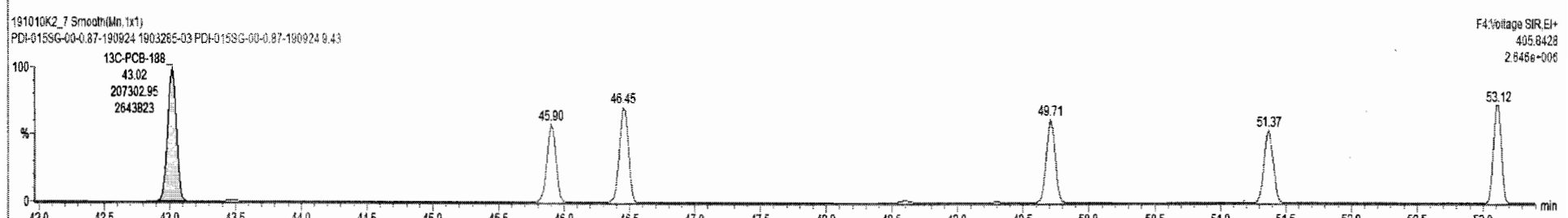
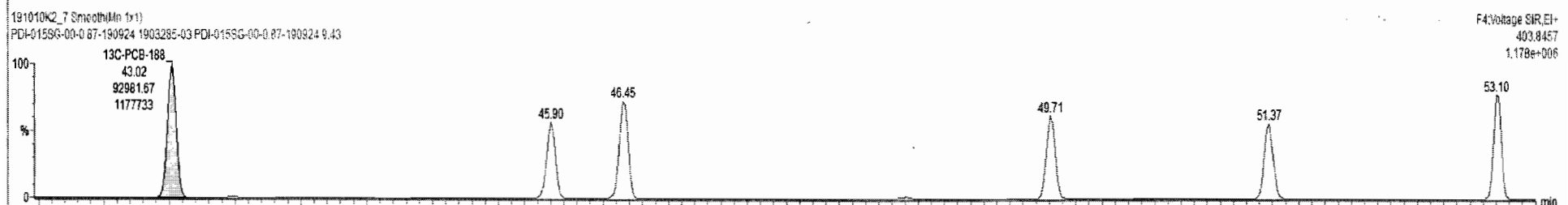
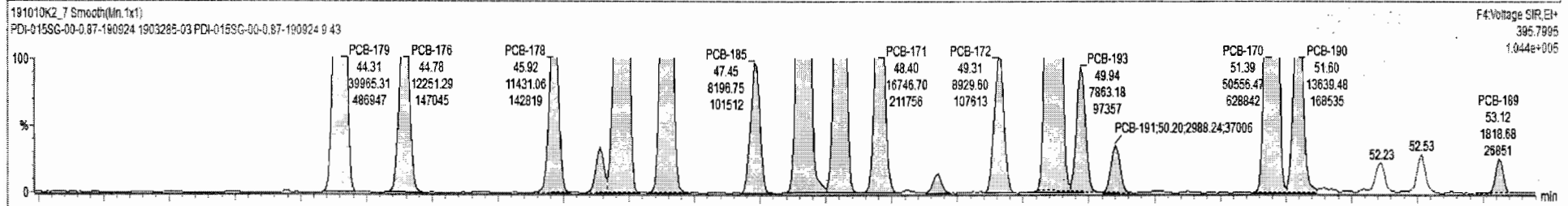
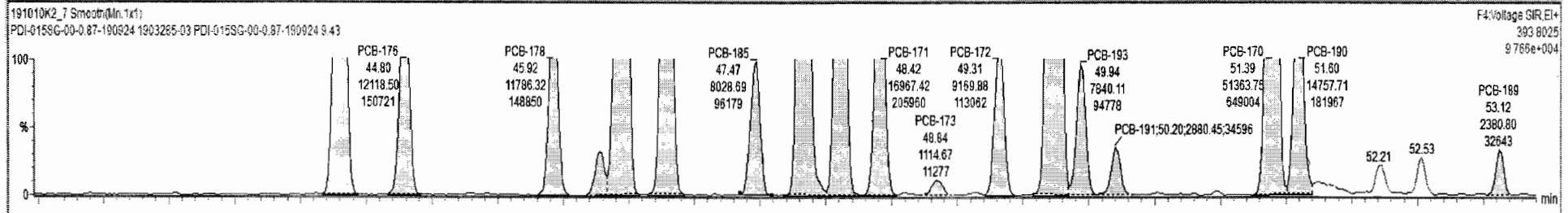




191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wbvol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	5.914	0.00		0.000		NO	6190	28.5		6239

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-179	44.31	44.31	4.073e4	3.997e4	1.050	1.02	NO	386.35	386.35
2	PCB-176	44.78	44.60	1.212e4	1.225e4	1.050	0.99	NO	116.38	116.38
3	PCB-178	45.90	45.92	1.179e4	1.143e4	1.050	1.03	NO	157.42	157.42

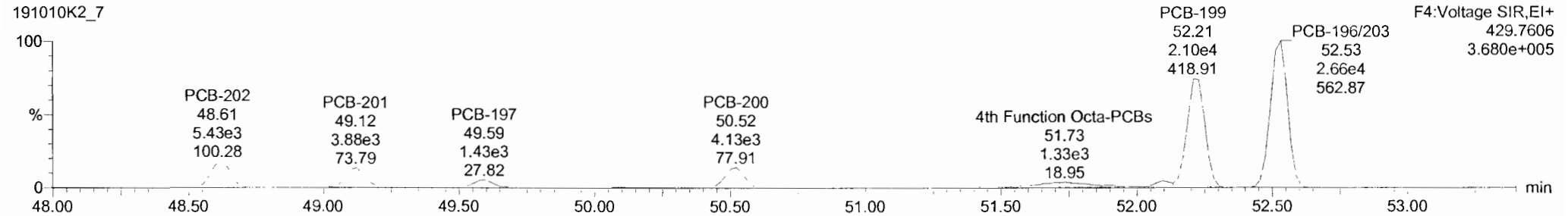
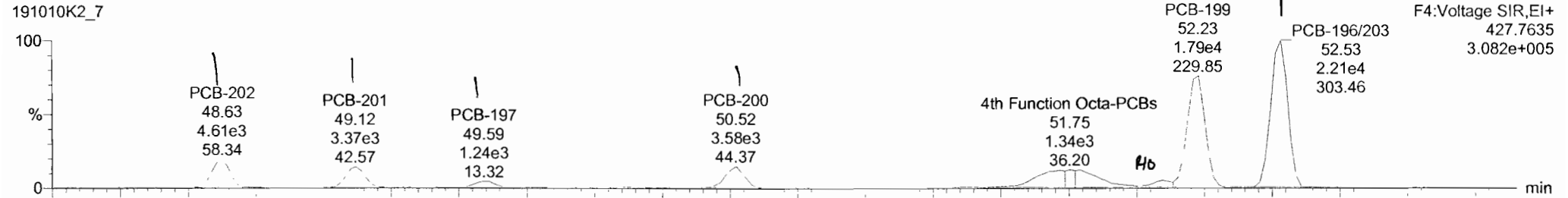


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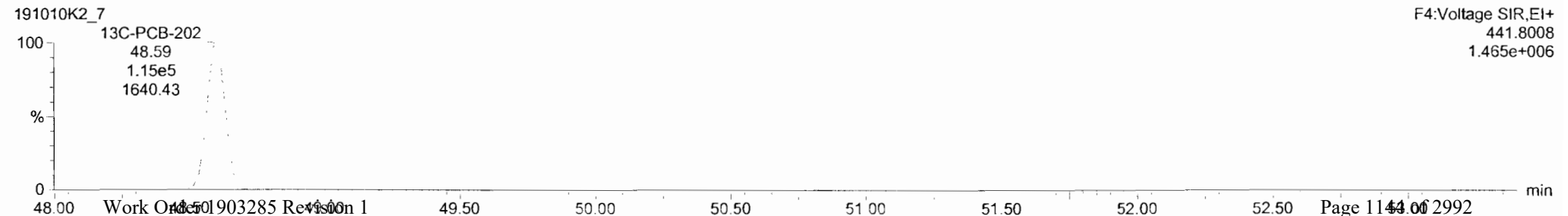
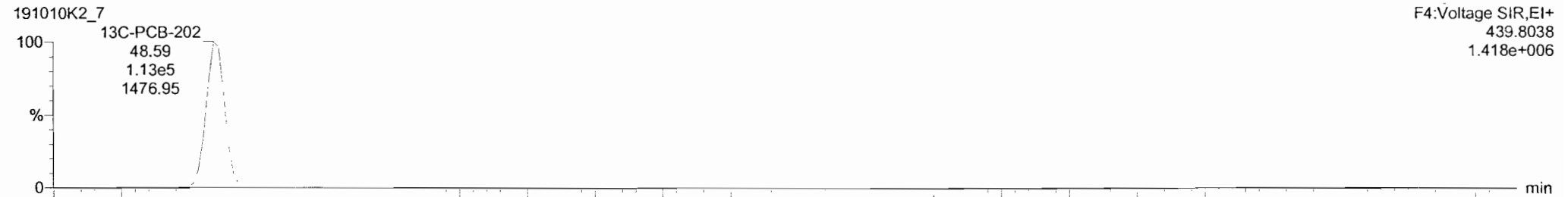
Last Altered: Tuesday, October 15, 2019 12:51:20 Pacific Daylight Time
 Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

PCB-202



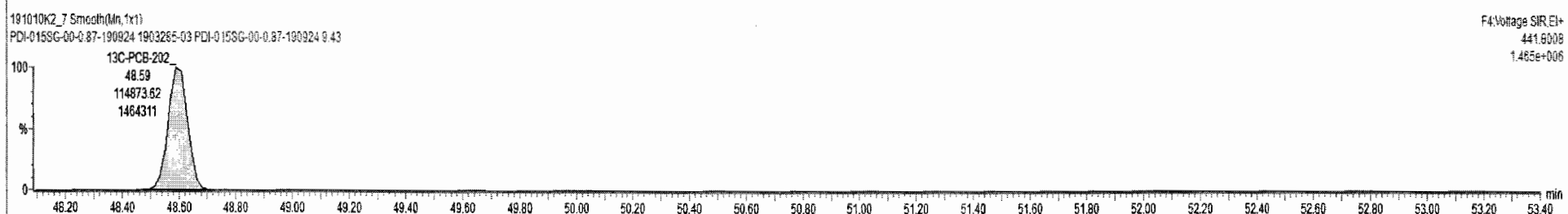
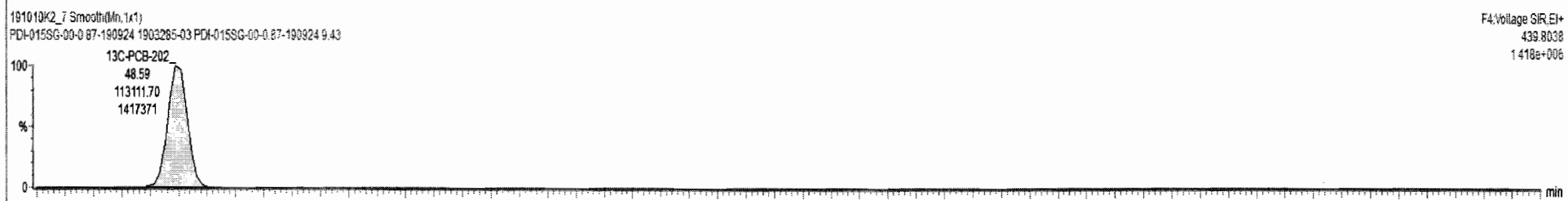
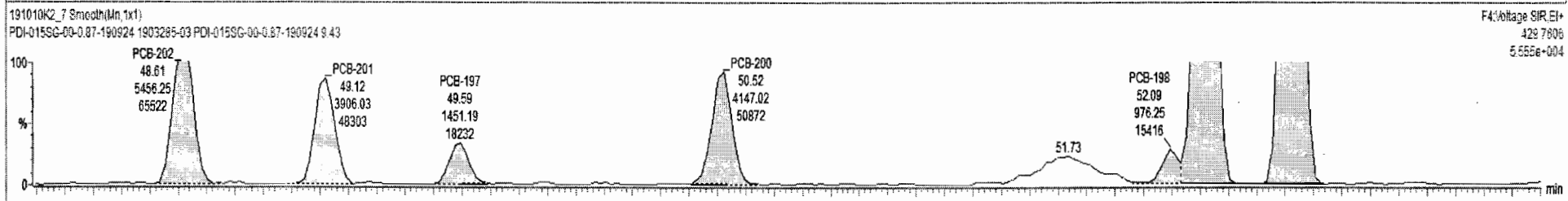
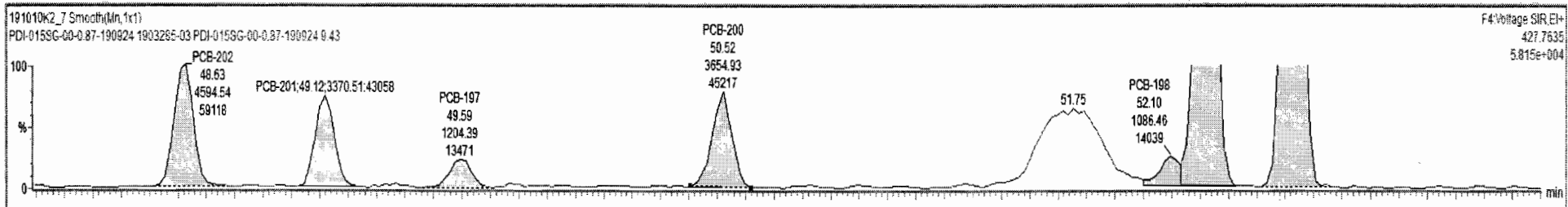
13C-PCB-202



191010K2_7 - 1903285-03 PDI-015SG-00-0 87-190924 9 43 - PDI-015SG-00-0 87-190924

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
234	234	4th Function Octa-PCBs			0.8863	5.914	0.00		0.000		NO	1082		18.1	1101

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.	
1	1	PCB-202	48.63	48.63	4.595e3	5.456e3	0.890	0.84	NO	72.790	72.790
2	1	PCB-201	49.11	49.12	3.371e3	3.906e3	0.890	0.85	NO	58.972	58.972
3	1	PCB-197	49.58	49.59	1.204e3	1.451e3	0.890	0.83	NO	20.119	20.119
4	1	PCB-200	50.53	50.52	3.655e3	4.147e3	0.890	0.88	NO	60.644	60.644
5	1	PCB-198	52.08	52.10	1.086e3	9.762e2	0.990	1.11	YES	18.289	0.00000
6	1	PCB-199	52.21	52.23	1.782e4	2.100e4	0.890	0.85	NO	408.93	408.93
7	1	PCB-198/200	52.52	52.53	2.211e4	2.662e4	0.890	0.83	NO	480.78	480.78



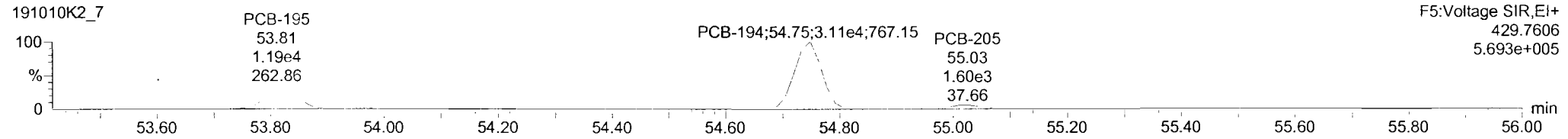
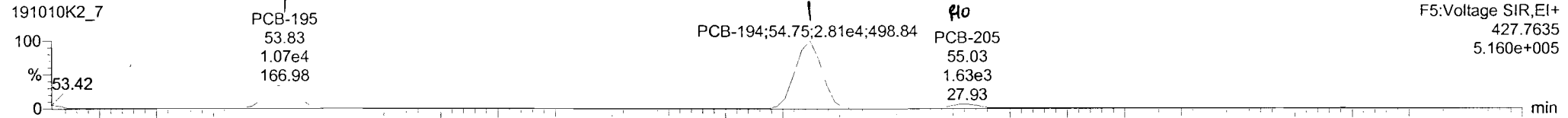
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Last Altered: Tuesday, October 15, 2019 12:51:20 Pacific Daylight Time

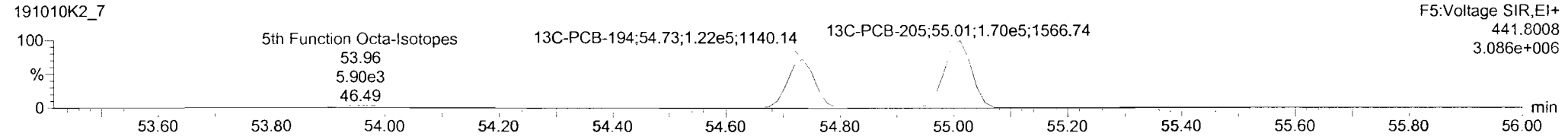
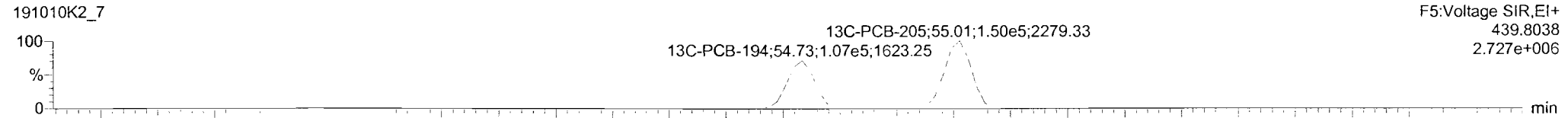
Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

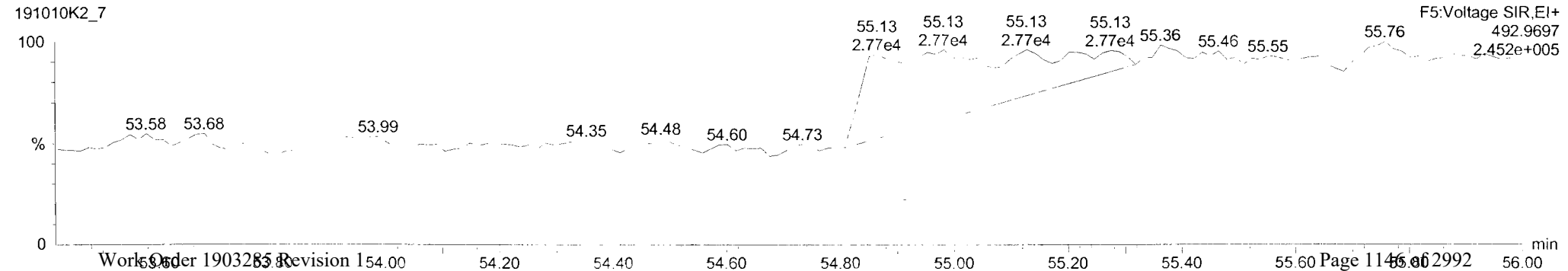
PCB-195



13C-PCB-194



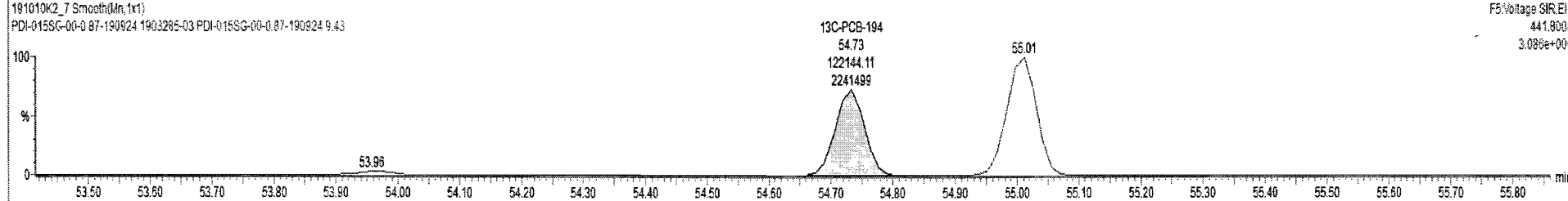
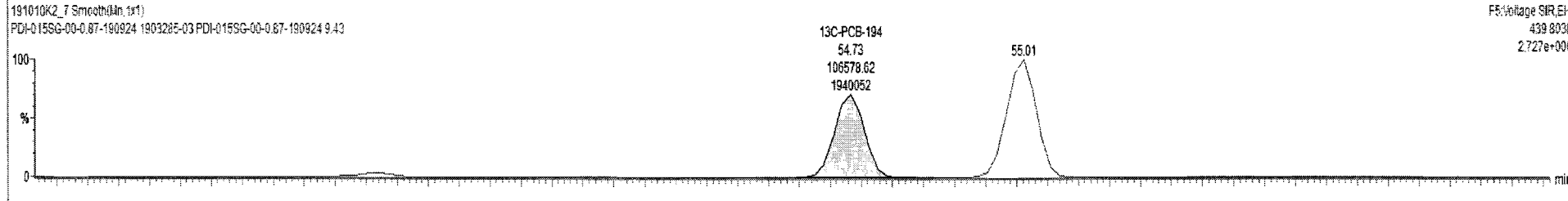
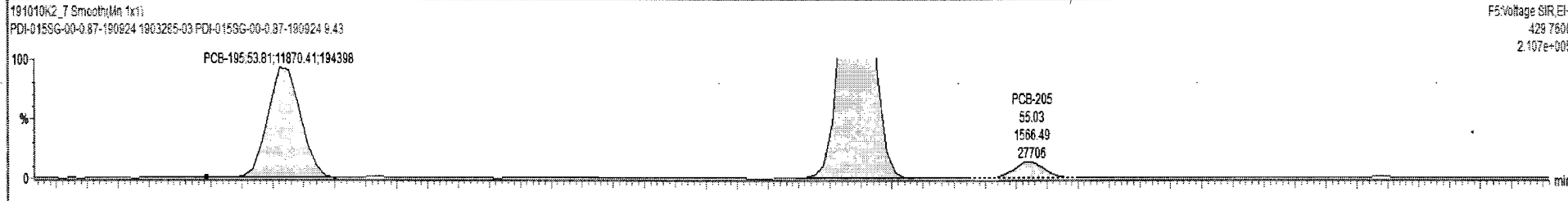
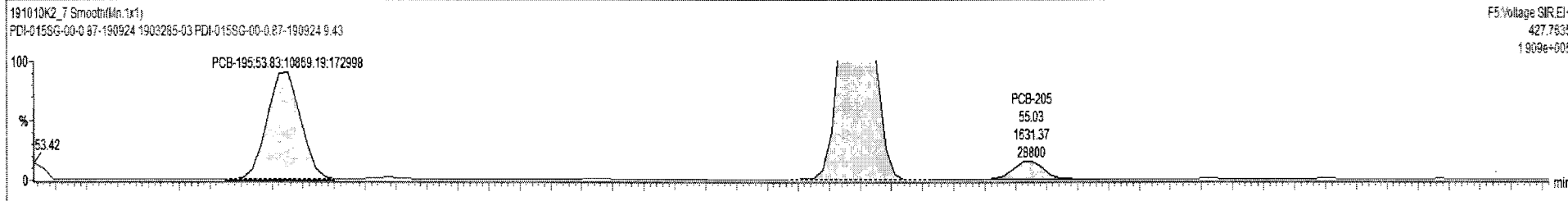
PFK5



191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	4th Function Octa-PCBs				0.8883	5.914	0.00		0.000		NO	1082		18.1	1101

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-195	53.83	53.83	1.087e4	1.187e4	0.890	0.92	NO	162.67	162.67
2	PCB-194	54.75	54.75	2.890e4	3.109e4	0.890	0.90	NO	377.90	377.90
3	PCB-205	55.01	55.03	1.631e3	1.586e3	0.890	1.04	YES	15.628	0.00960



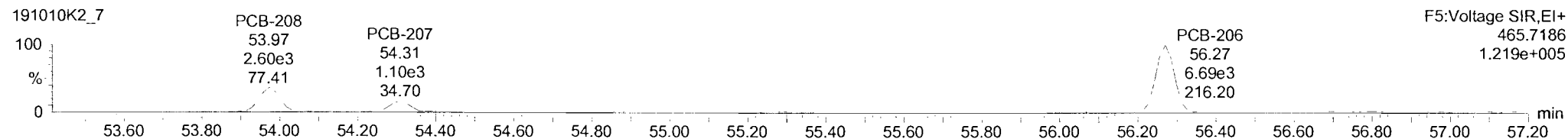
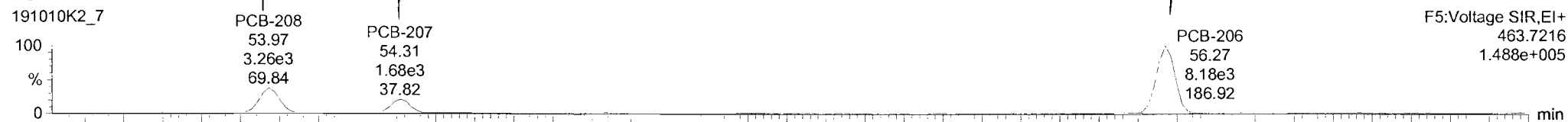
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Last Altered: Tuesday, October 15, 2019 12:51:20 Pacific Daylight Time

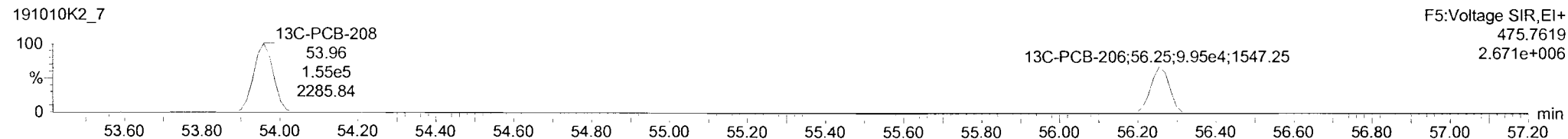
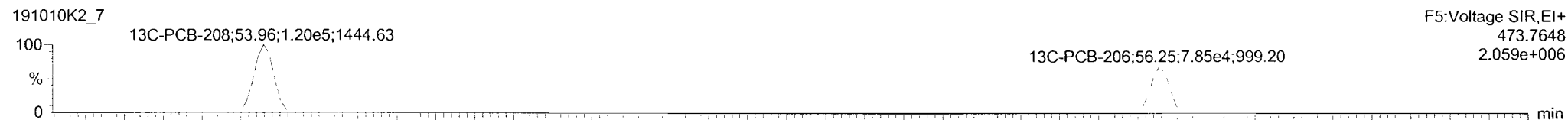
Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

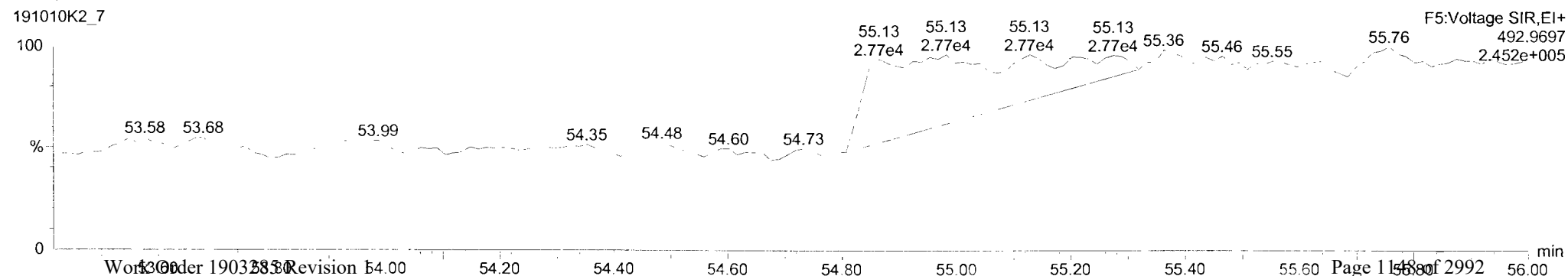
PCB-208



13C-PCB-208



PFK5

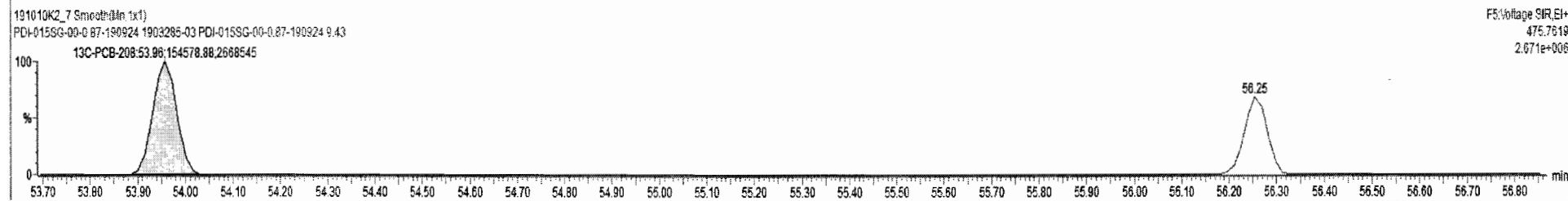
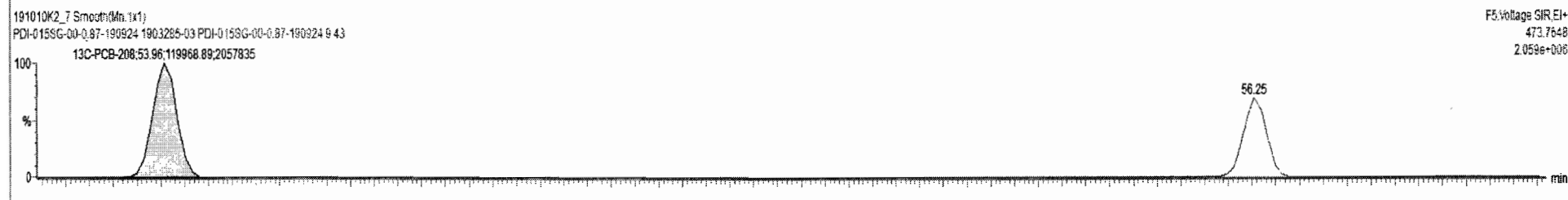
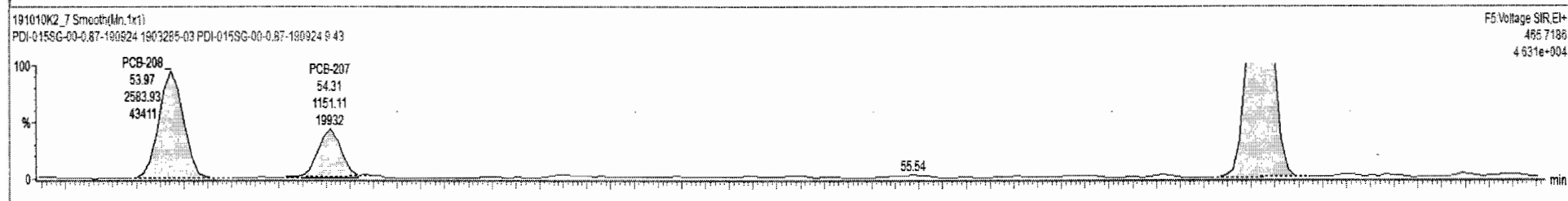
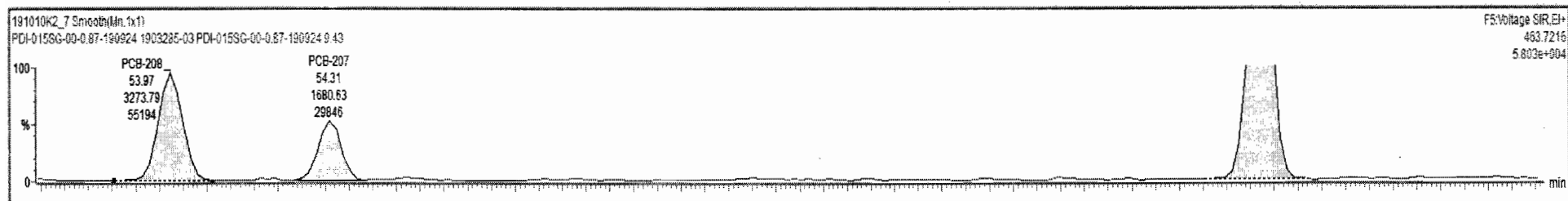




191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	w/vol	Prod.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	ENPC
236	Total Nona-PCBs				0.9448	5.914	0.00		0.000		NO	200.4		3.53	260.4
237	None CB				0.0000	0.014	0.00		0.000		NO	142.8		1.77	142.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	ENPC	Conc
1	1... PCB-208	53.97	53.97	3.274e3	2.584e3	1.340	1.27	NO	38.615	38.615
2	1... PCB-207	54.26	54.31	1.661e3	1.151e3	1.340	1.46	NO	19.120	19.120
3	1... PCB-206	56.27	56.27	8.150e3	6.679e3	1.340	1.22	NO	142.64	142.64



Dataset: Untitled

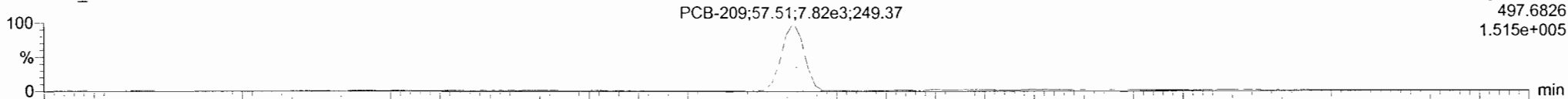
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_7, Date: 11-Oct-2019, Time: 09:20:17, ID: 1903285-03 PDI-015SG-00-0.87-190924 9.43, Description: PDI-015SG-00-0.87-190924

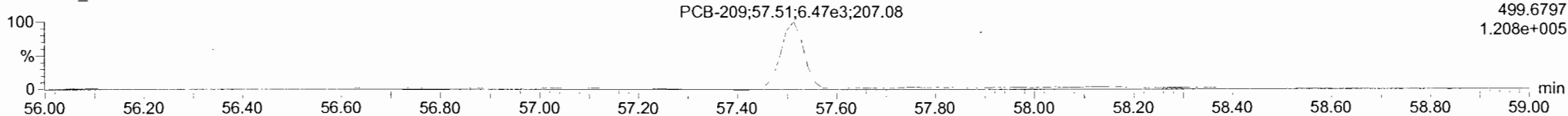
PCB-209

191010K2_7



F5:Voltage SIR,EI+
497.6826
1.515e+005

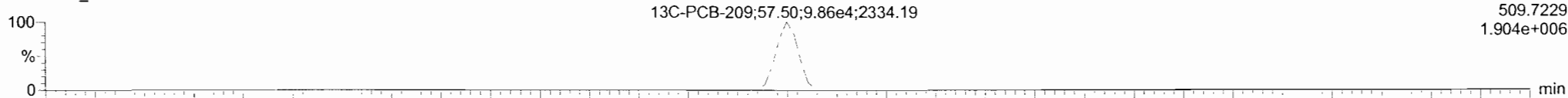
191010K2_7



F5:Voltage SIR,EI+
499.6797
1.208e+005

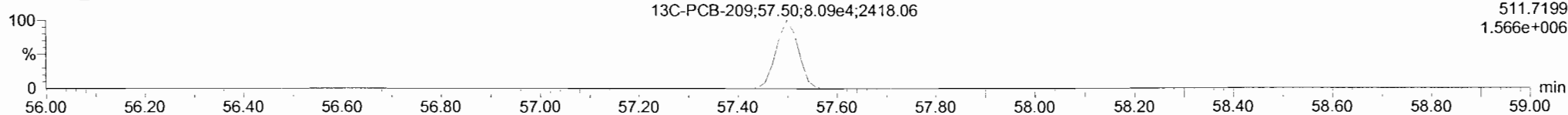
13C-PCB-209

191010K2_7



F5:Voltage SIR,EI+
509.7229
1.904e+006

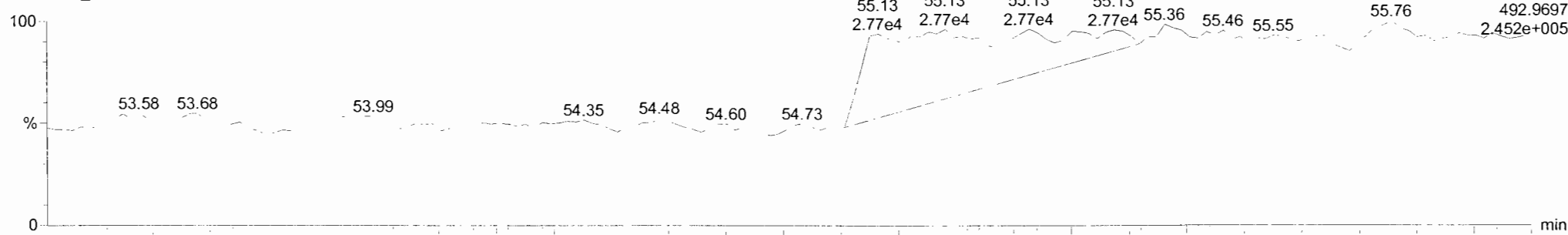
191010K2_7



F5:Voltage SIR,EI+
511.7199
1.566e+006

PFK5

191010K2_7



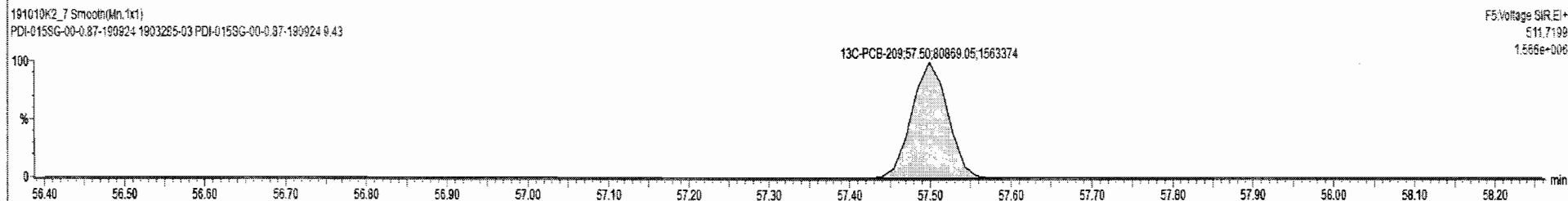
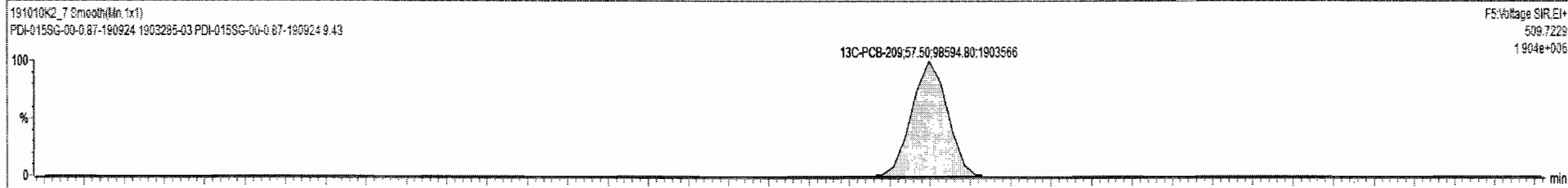
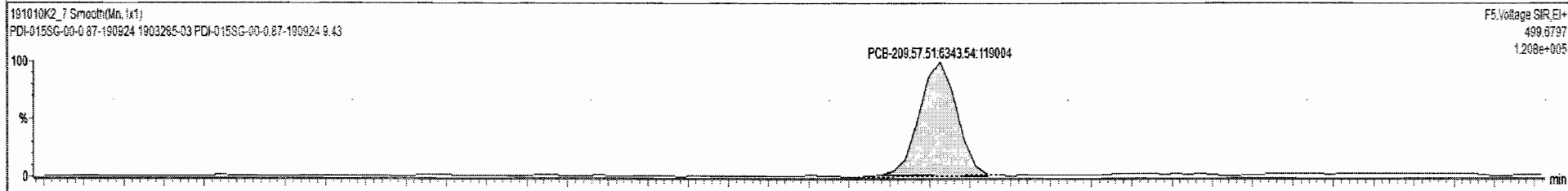
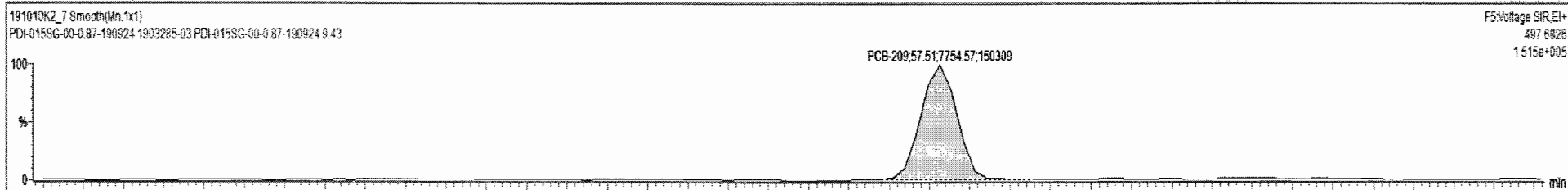
F5:Voltage SIR,EI+
492.9697
2.452e+005



191010K2_7 - 1903285-03 PDI-015SG-00-0.87-190924 9.43 - PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
236	Total Nona-PCBs				0.9446	5.614	0.00		0.000		NO	200.4		3.53	200.4
227	Total PCBs				0.9446	5.614	0.00		0.000		NO	140.9		1.79	140.9

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-209	57.59	57.51	7.755e3	6.344e3	1.170	1.22	NO	140.92	140.92



Dataset: U:\VG11.PRO\Results\191028K3\191028K3-5.qld

Last Altered: Thursday, October 31, 2019 13:36:19 Pacific Daylight Time

Printed: Thursday, October 31, 2019 13:39:21 Pacific Daylight Time

GRB 10/31/19

HZ 11.1.19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\cb1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	1.02	0.972	15.24		1.001		YES			27.7	
2	2 PCB-2			NO	1.01	0.972	17.62		0.988		YES			27.2	
3	3 PCB-3			NO	1.01	0.972	17.85		1.001		YES			27.3	
4	4 PCB-4/10			NO	1.28	0.972	19.26		1.004		YES			93.8	
5	5 PCB-7/9			NO	0.976	0.972	21.05		1.003		YES			75.5	
6	6 PCB-6			NO	1.02	0.972	21.69		1.033		YES			72.4	
7	7 PCB-5/8			NO	1.01	0.972	22.09		1.052		YES			72.8	
8	8 PCB-14			NO	1.03	0.972	23.27		0.952		YES			82.9	
9	9 PCB-11			NO	1.10	0.972	24.47		1.001		YES			78.1	
10	10 PCB-12/13			NO	1.04	0.972	24.89		1.018		YES			82.5	
11	11 PCB-15			NO	1.03	0.972	25.19		1.030		YES			83.2	
12	12 PCB-19			NO	0.934	0.972	23.42		1.001		YES			55.1	
13	13 PCB-30			NO	1.48	0.972	24.32		1.040		YES			34.7	
14	14 PCB-18	8.08e2	0.89	NO	0.693	0.972	25.09	25.09	0.951	0.951	NO	310.0		51.8	310.0
15	15 PCB-17	4.39e2	1.09	NO	0.667	0.972	25.27	25.26	0.958	0.958	NO	174.8		53.9	174.8
16	16 PCB-24/27			NO	0.915	0.972	25.87		0.981		YES			39.3	
17	17 PCB-16/32	6.17e2	1.32	YES	0.792	0.972	26.39	26.38	1.001	1.000	NO	206.9		45.3	182.2
18	18 PCB-34			NO	0.987	0.972	27.20		0.959		YES			28.9	
19	19 PCB-23			NO	0.974	0.972	27.30		0.962		YES			29.3	
20	20 PCB-29			NO	0.953	0.972	27.53		0.970		YES			29.9	
21	21 PCB-26	4.03e2	0.92	NO	1.00	0.972	27.77	27.75	0.979	0.978	NO	78.73		28.5	78.73
22	22 PCB-25			NO	0.978	0.972	27.92		0.984		YES			29.2	
23	23 PCB-31	1.81e3	1.12	NO	1.12	0.972	28.30	28.29	0.998	0.997	NO	315.7		25.4	315.7
24	24 PCB-28	2.81e3	1.08	NO	1.11	0.972	28.39	28.41	1.001	1.001	NO	497.3		25.8	497.3
25	25 PCB-20/21/33	1.17e3	1.19	NO	1.00	0.972	29.02	29.06	1.023	1.024	NO	227.7		28.5	227.7
26	26 PCB-22	6.45e2	1.04	NO	1.03	0.972	29.49	29.47	1.039	1.039	NO	122.1		27.6	122.1
27	27 PCB-36			NO	1.18	0.972	30.10		0.930		YES			31.0	
28	28 PCB-39			NO	1.08	0.972	30.58		0.945		YES			33.7	
29	29 PCB-38			NO	1.13	0.972	31.38		0.970		YES			32.3	
30	30 PCB-35			NO	1.13	0.972	31.92		0.987		YES			32.2	
31	31 PCB-37	5.94e2	1.46	YES	1.11	0.972	32.39	32.39	1.001	1.001	NO	123.3		33.0	102.5

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-5.qld

Last Altered: Thursday, October 31, 2019 13:36:19 Pacific Daylight Time

Printed: Thursday, October 31, 2019 13:39:21 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc	%Rec	DL	EMPC
32	1... 13C-PCB-1	9.78e4	3.26	NO	1.08	0.972	15.22	15.23	0.605	0.605	NO	8854	43.0	164	
33	1... 13C-PCB-3	1.05e5	3.25	NO	1.09	0.972	17.83	17.84	0.709	0.709	NO	9372	45.6	162	
34	1... 13C-PCB-4	7.12e4	1.62	NO	0.640	0.972	19.18	19.18	0.763	0.763	NO	10850	52.7	57.1	
35	1... 13C-PCB-9	1.21e5	1.57	NO	0.995	0.972	20.99	20.99	0.834	0.835	NO	11890	57.8	36.7	
36	1... 13C-PCB-11	1.26e5	1.58	NO	0.971	0.972	24.44	24.45	0.972	0.972	NO	12690	61.7	37.6	
37	1... 13C-PCB-19	5.11e4	0.99	NO	0.637	0.972	23.39	23.39	0.930	0.930	NO	7818	38.0	447	
38	1... 13C-PCB-32	7.74e4	1.04	NO	0.910	0.972	26.38	26.37	1.049	1.048	NO	8293	40.3	313	
39	1... 13C-PCB-28	1.05e5	0.97	NO	1.07	0.972	28.38	28.37	1.004	1.003	NO	13700	66.6	543	
40	1... 13C-PCB-37	8.96e4	1.09	NO	0.959	0.972	32.38	32.35	1.145	1.144	NO	13010	63.2	605	
41	2... 13C-PCB-15	2.11e5	1.61	NO	1.00	0.972	25.12	25.15	1.000	0.000	NO	20570	100	36.5	
42	2... 13C-PCB-31	1.48e5	1.02	NO	1.00	0.972	28.24	28.27	1.000	0.000	NO	20570	100	580	

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-5.qld

Last Altered: Thursday, October 31, 2019 13:36:19 Pacific Daylight Time

Printed: Thursday, October 31, 2019 13:39:26 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2... Total Mono-PCBs				1.01	0.972	0.00		0.000		NO			82-227.7	
2	2... Total Di-PCBs				1.06	0.972	0.00		0.000		NO			64193.8	
3	2... 2nd Function Tri-PCBs				0.914	0.972	0.00		0.000		NO	484.9		280	667.1
4	2... 3rd Function Tri-PCBs				1.06	0.972	0.00		0.000		NO	1242	> 1,726.9 ✓	415	1344

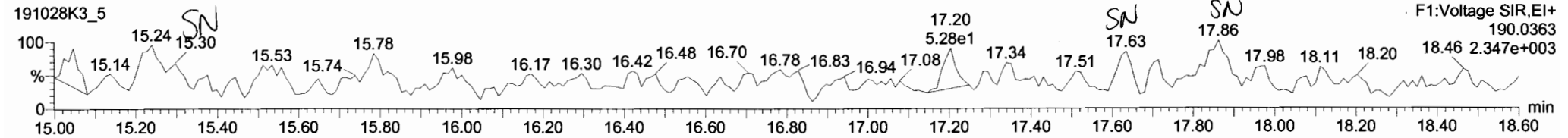
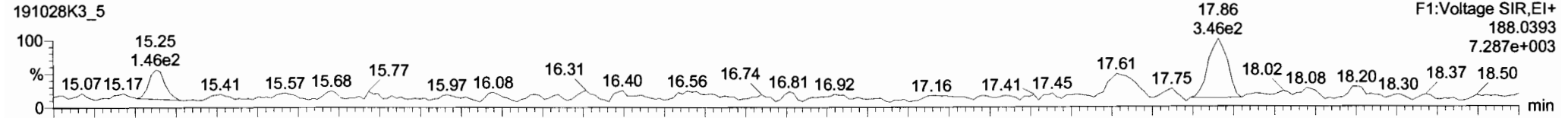
805
291.1

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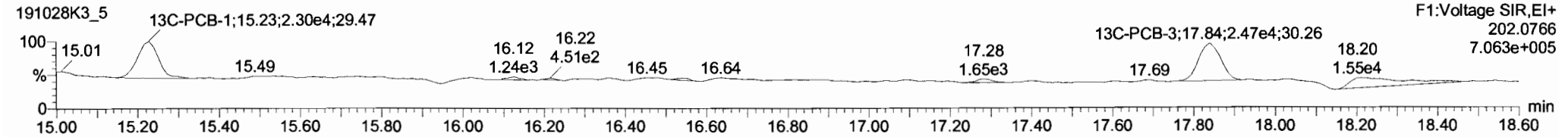
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Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

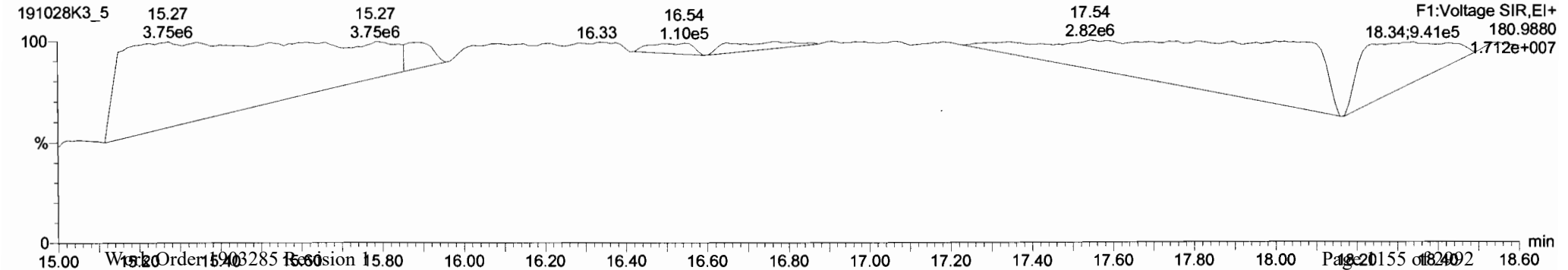
PCB-1



13C-PCB-1



PFK1



Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

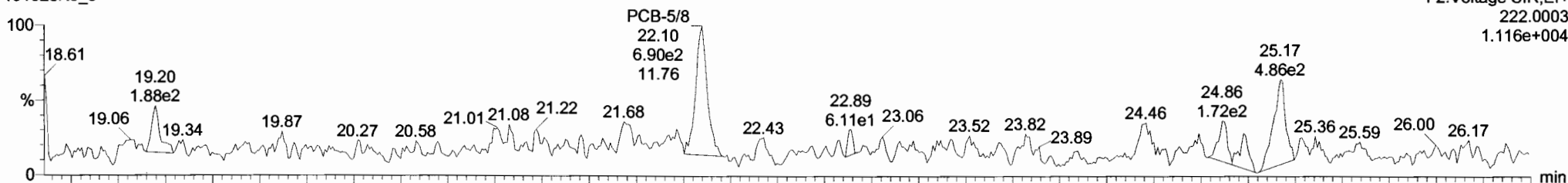
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-4/10

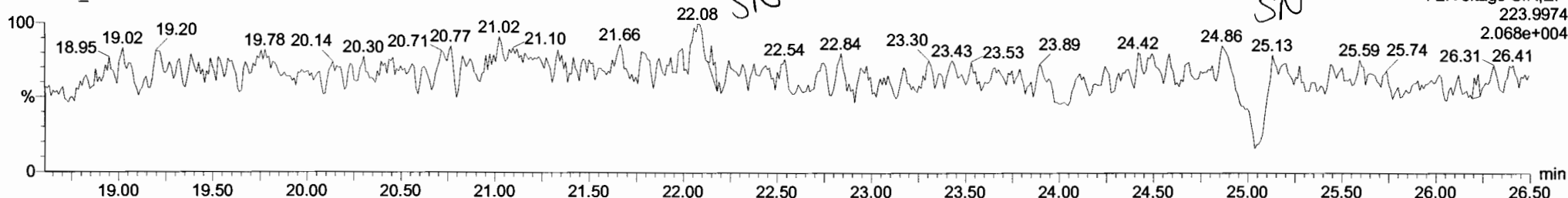
191028K3_5

F2:Voltage SIR,EI+
222.0003
1.116e+004



191028K3_5

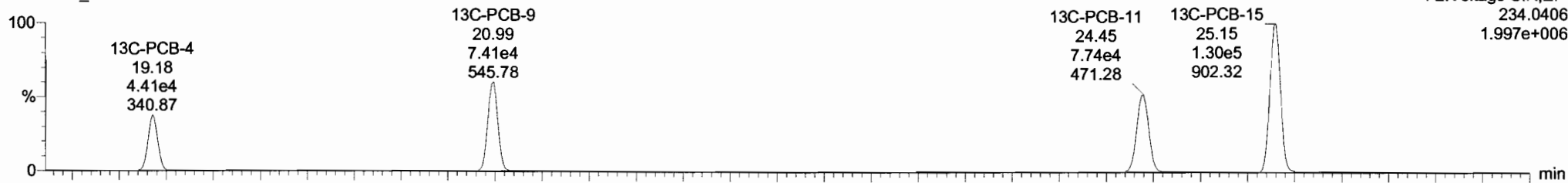
F2:Voltage SIR,EI+
223.9974
2.068e+004



13C-PCB-4

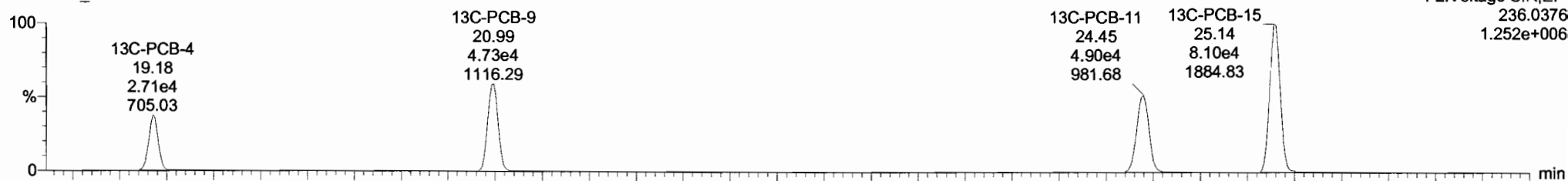
191028K3_5

F2:Voltage SIR,EI+
234.0406
1.997e+006



191028K3_5

F2:Voltage SIR,EI+
236.0376
1.252e+006



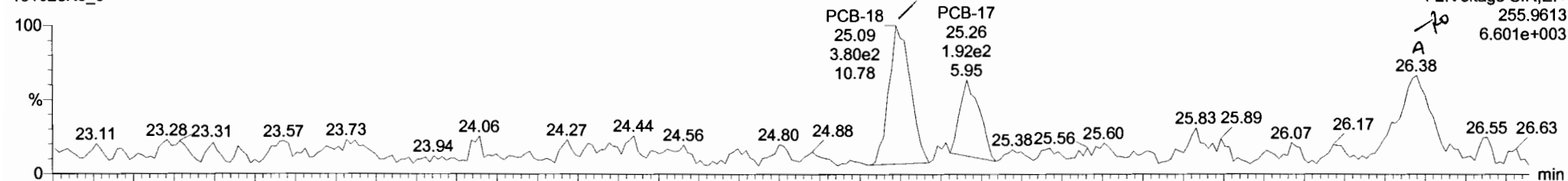
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Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

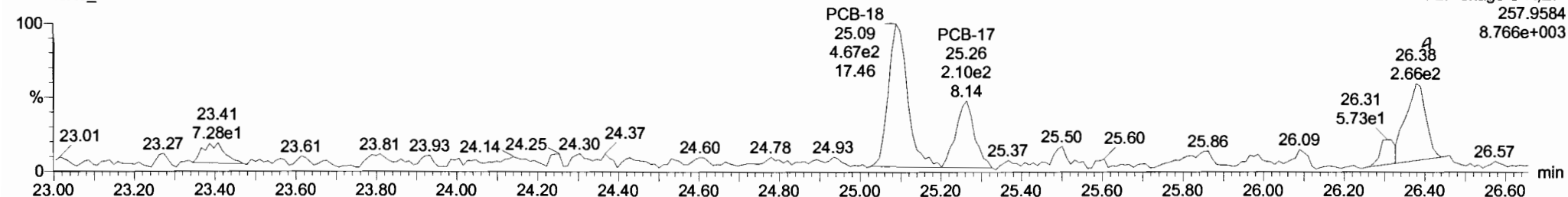
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-19

191028K3_5

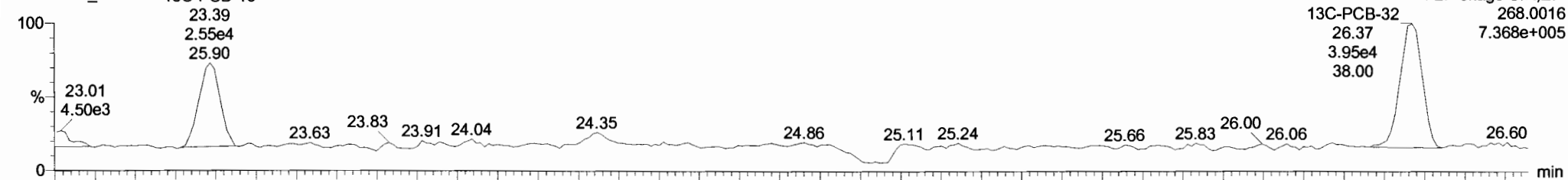


191028K3_5

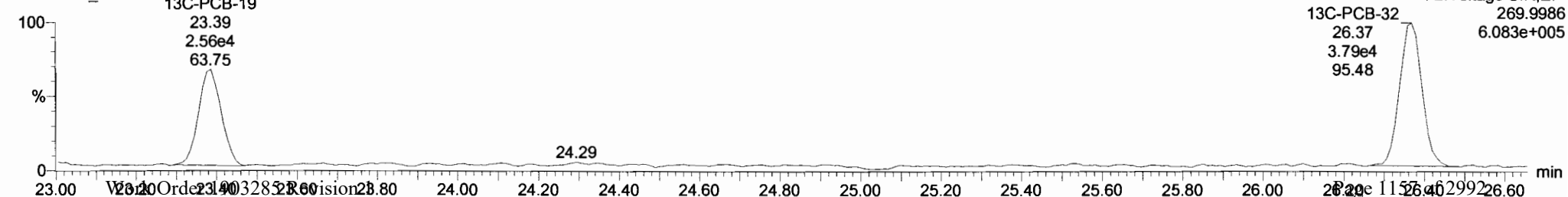


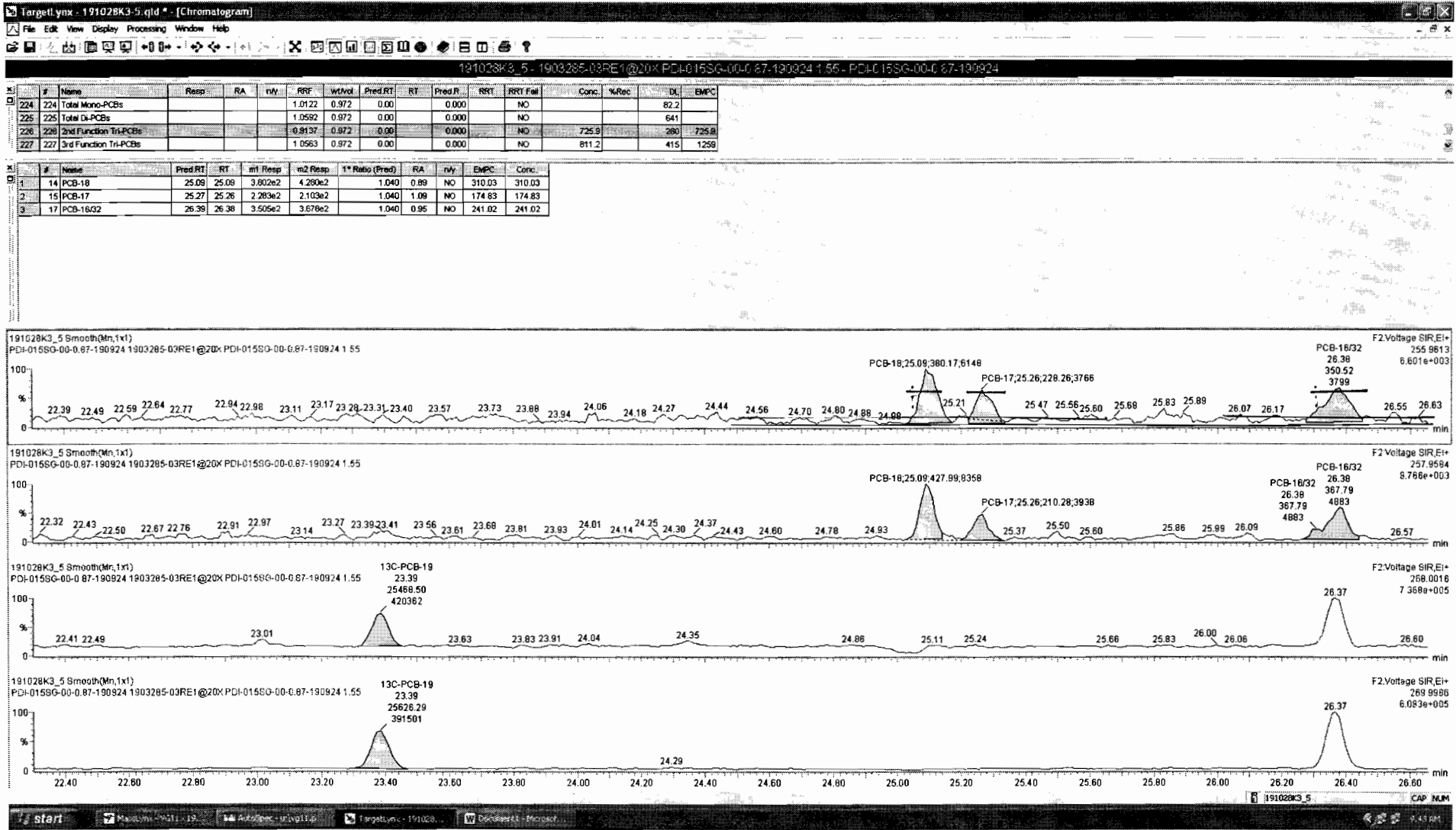
13C-PCB-19

191028K3_5



191028K3_5





Vista Analytical Laboratory VG-11

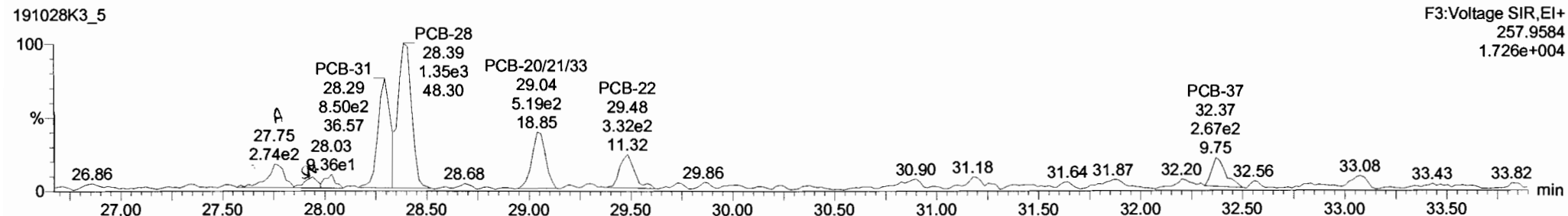
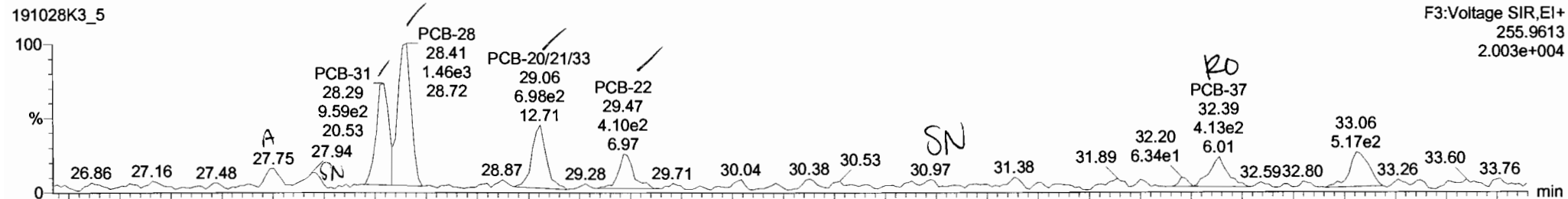
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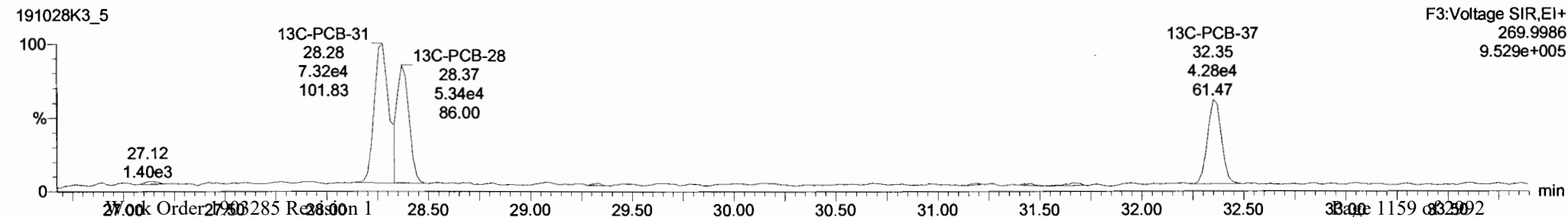
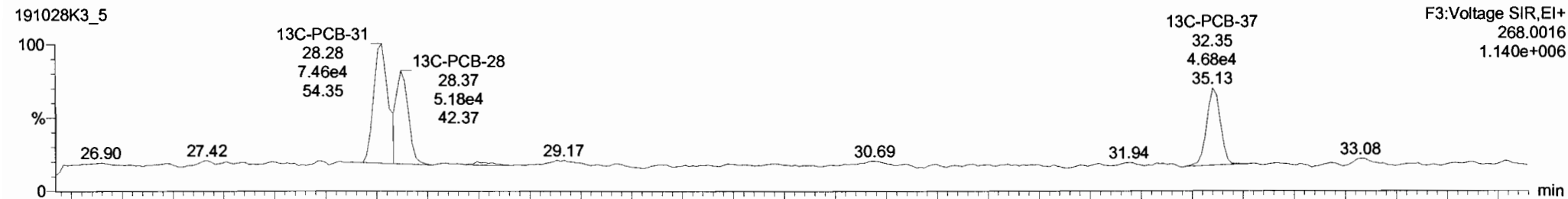
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

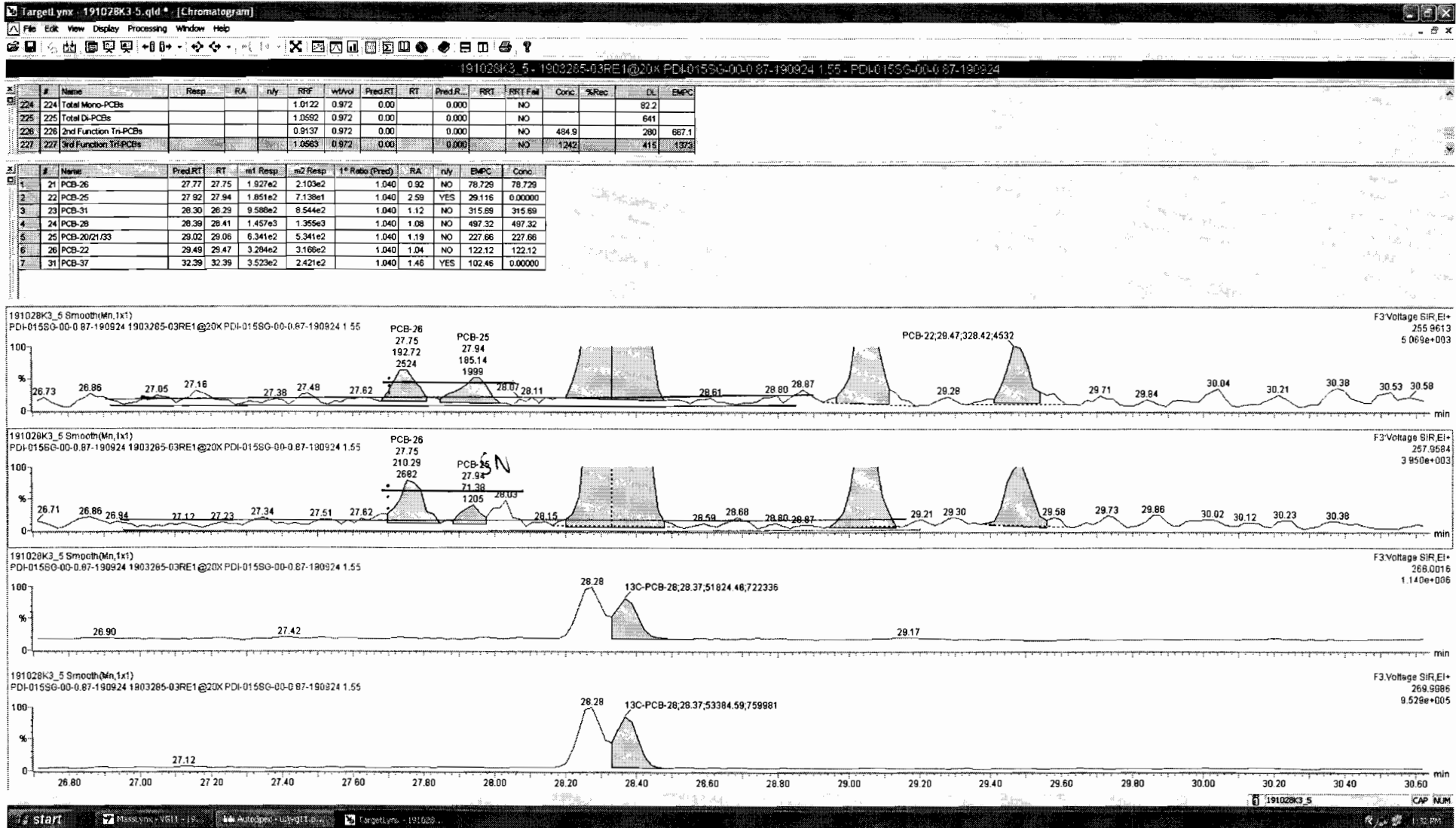
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

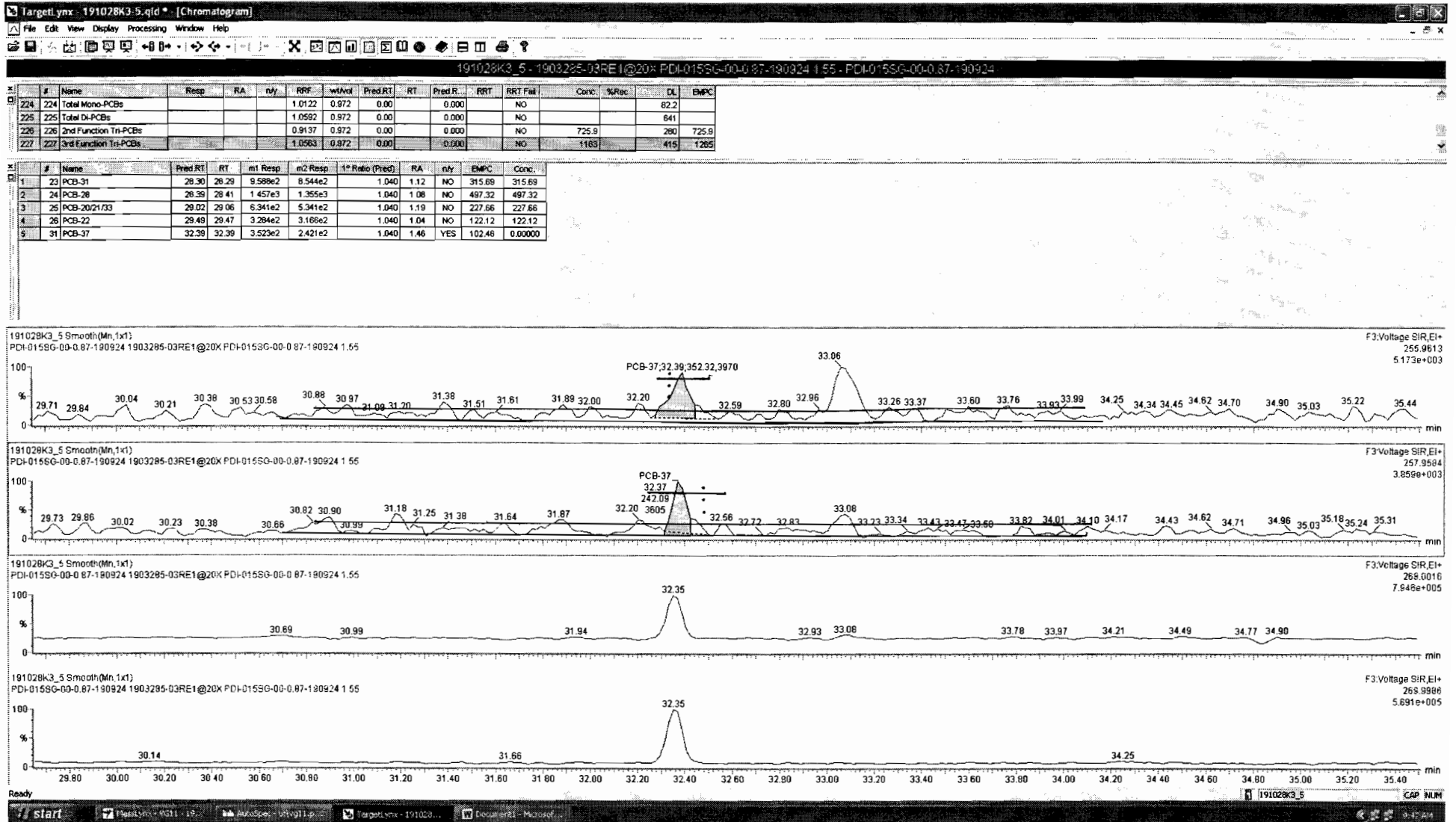
PCB-34



13C-PCB-28







Vista Analytical Laboratory VG-11

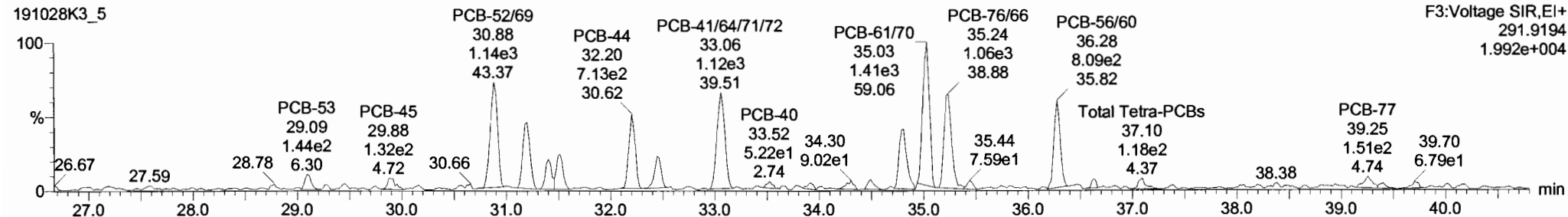
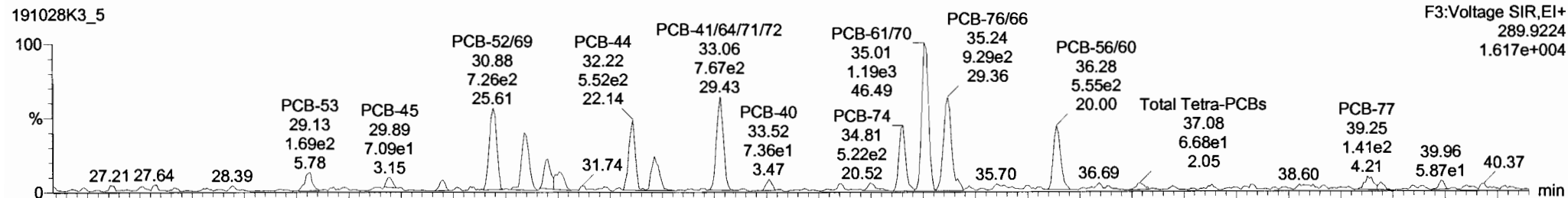
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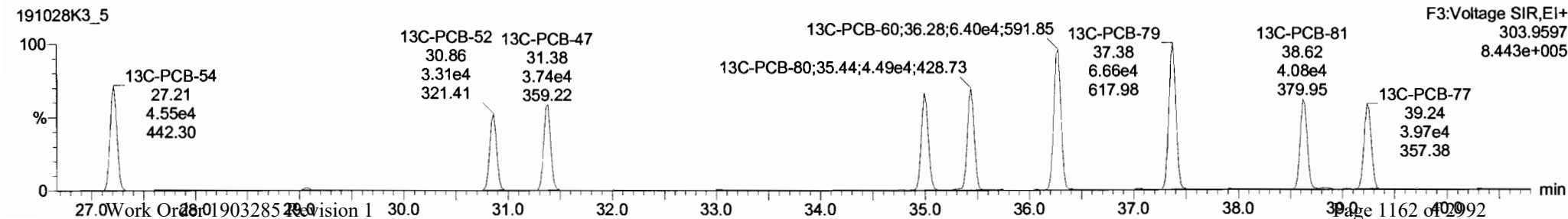
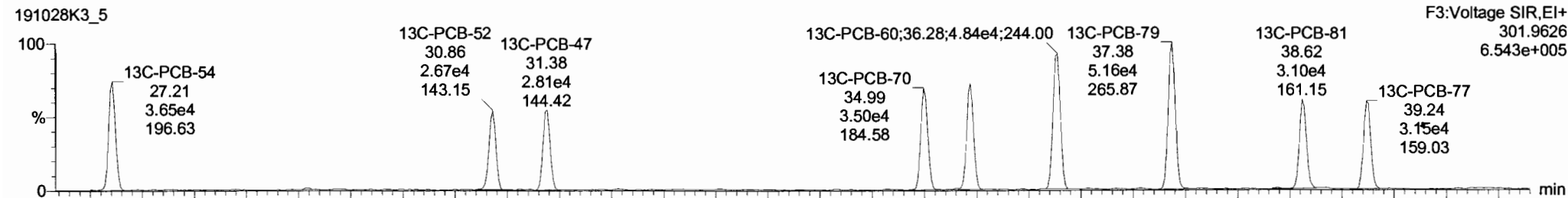
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Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-54



13C-PCB-54



Vista Analytical Laboratory VG-11

Dataset: Untitled

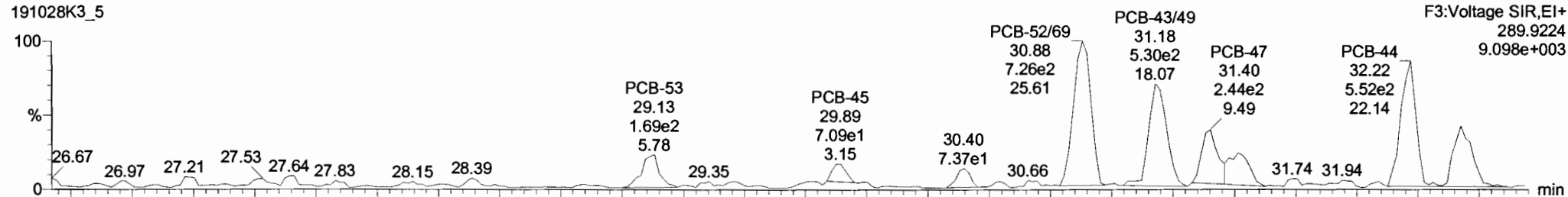
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

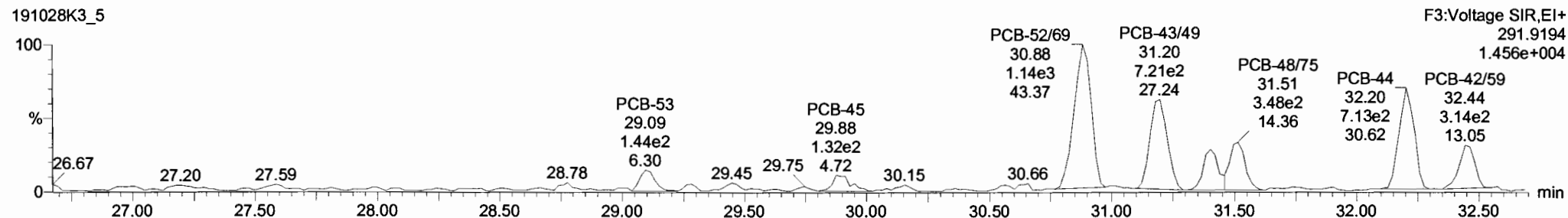
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-50

191028K3_5

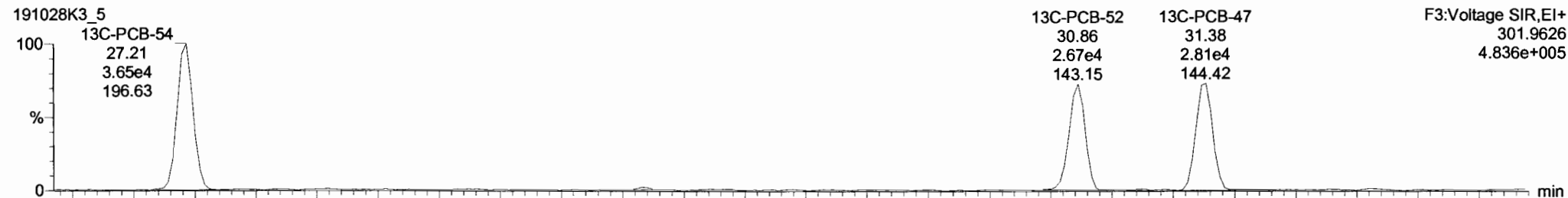


191028K3_5

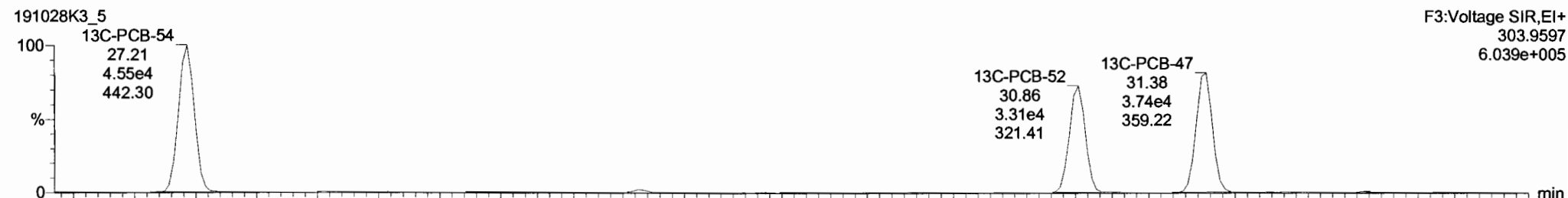


13C-PCB-52

191028K3_5



191028K3_5



Vista Analytical Laboratory VG-11

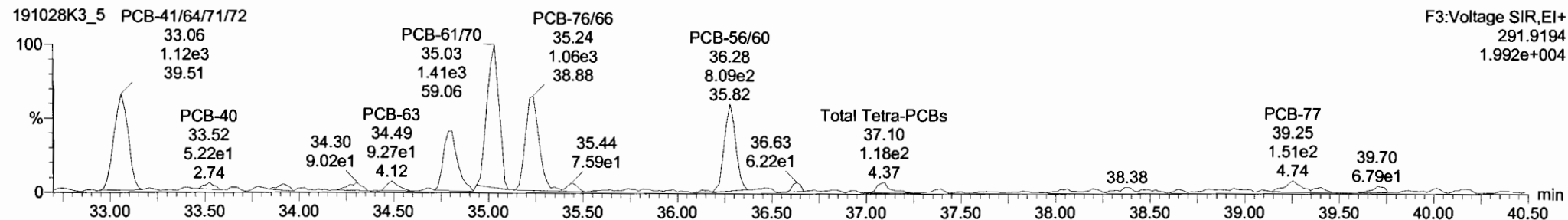
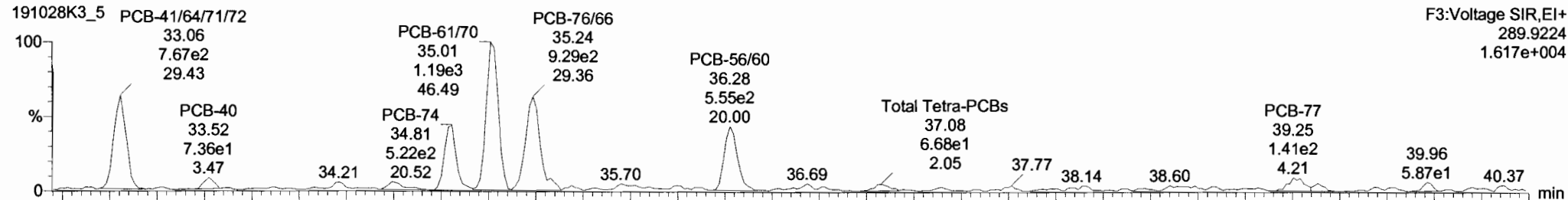
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

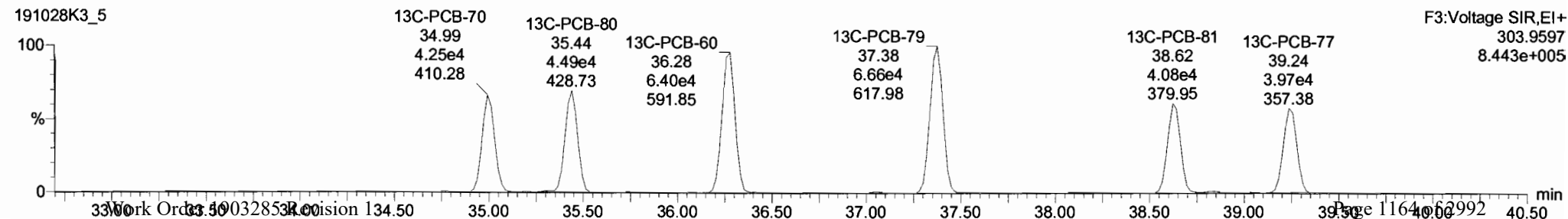
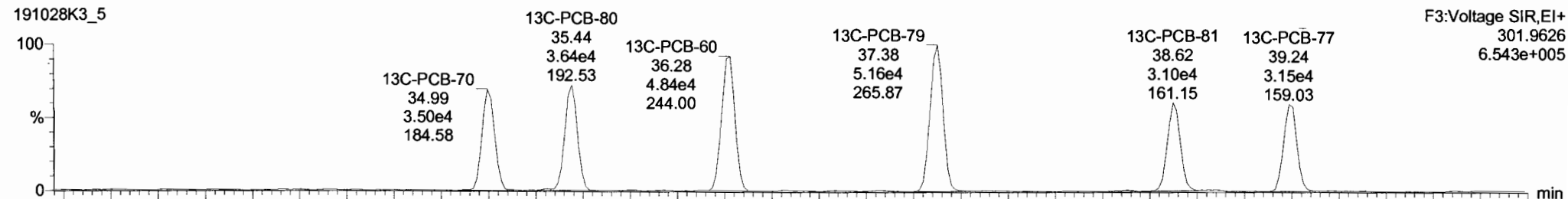
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-68



13C-PCB-60

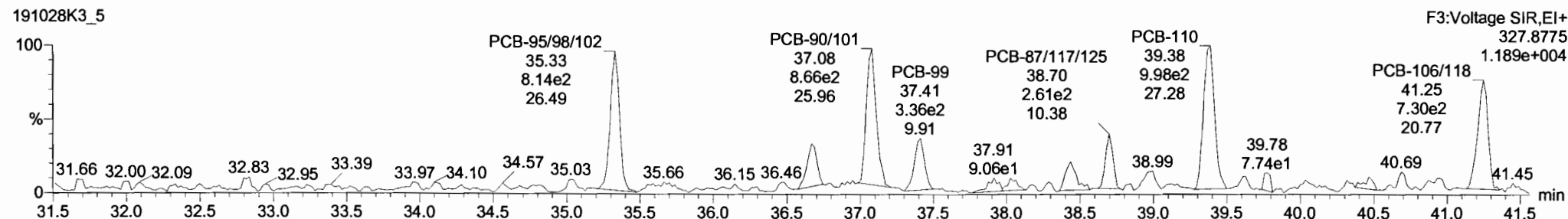
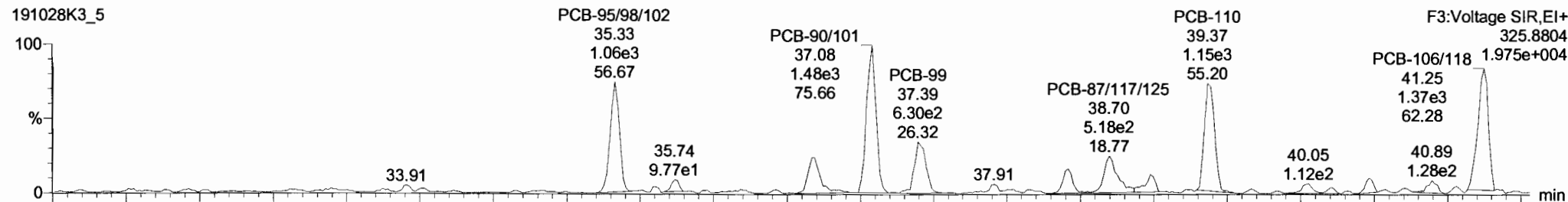


Dataset: Untitled

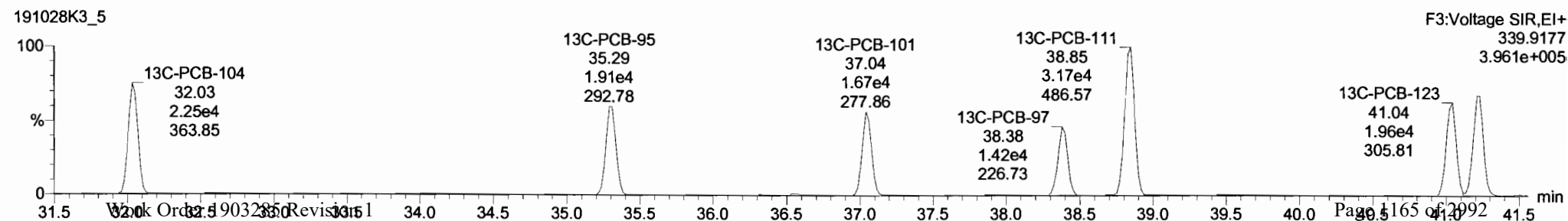
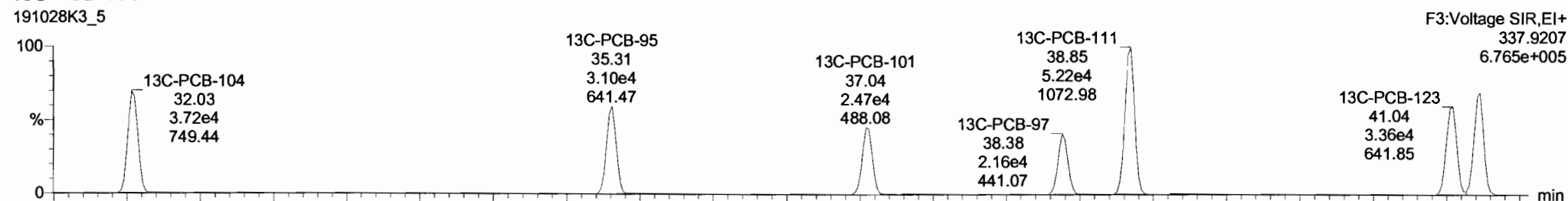
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-104



13C-PCB-104



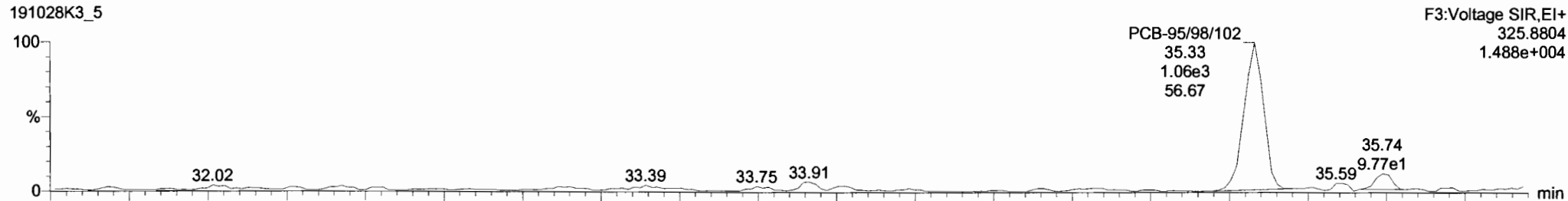
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

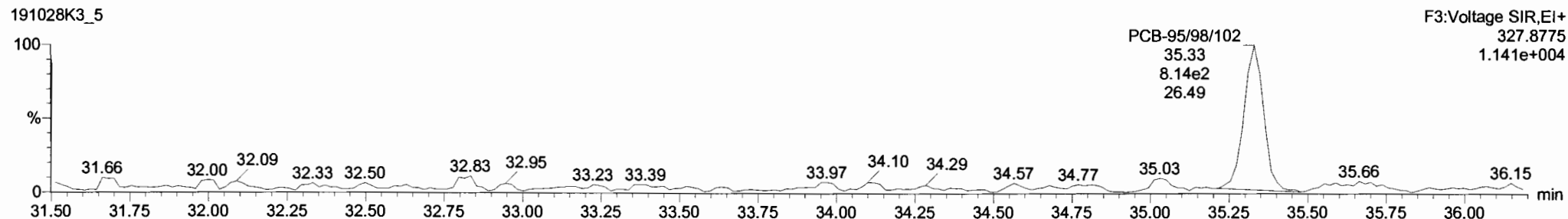
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-96

191028K3_5

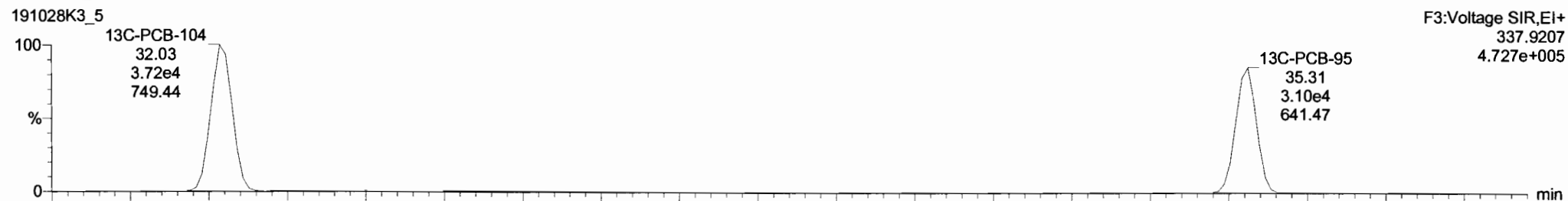


191028K3_5

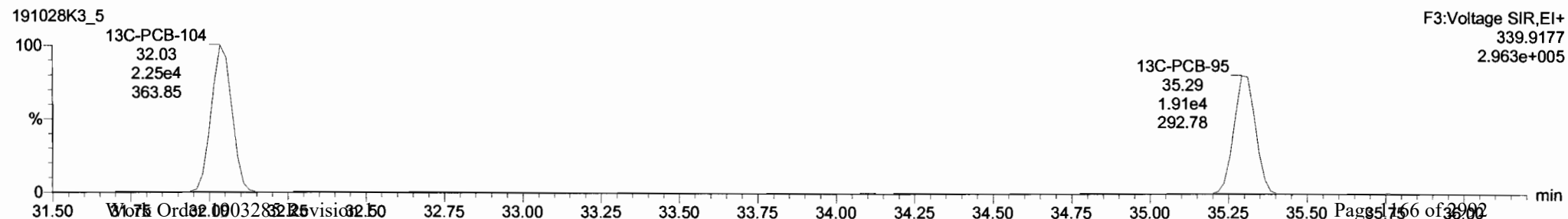


13C-PCB-95

191028K3_5



191028K3_5

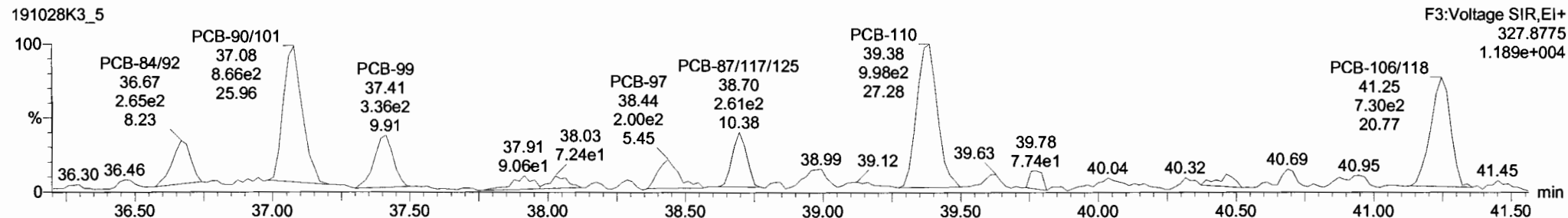
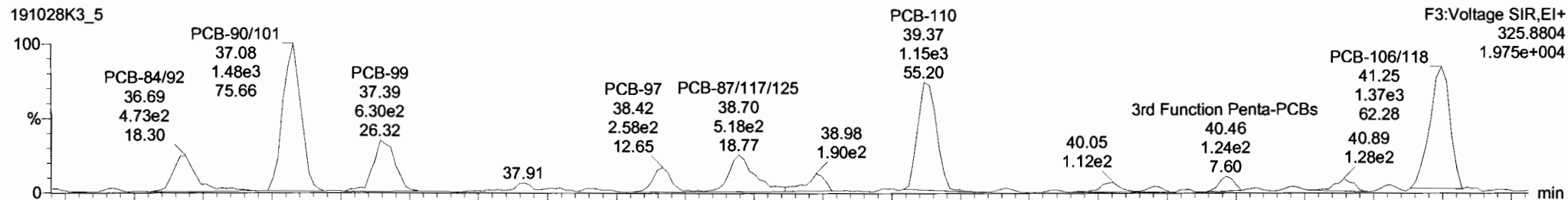


Dataset: Untitled

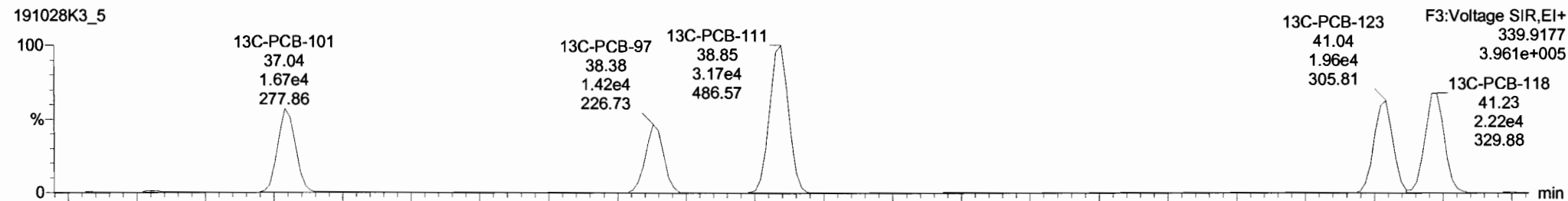
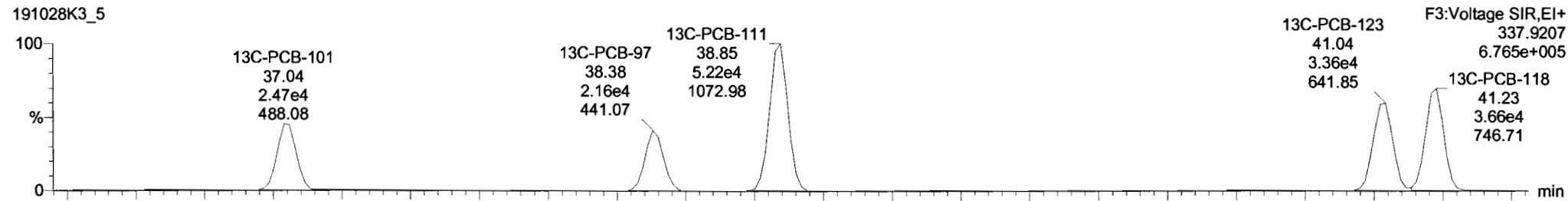
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
 Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-119



13C-PCB-111



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

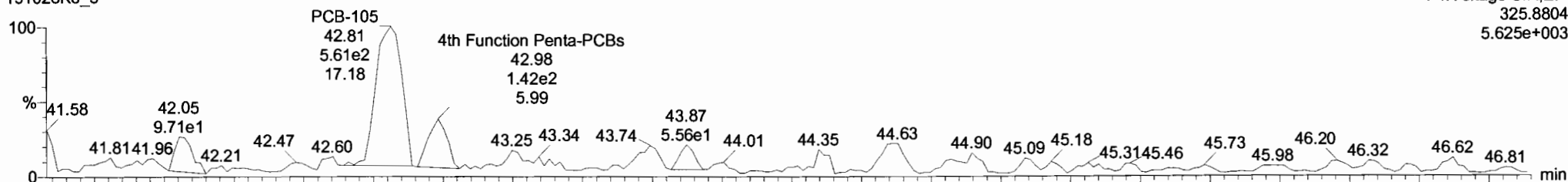
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-114

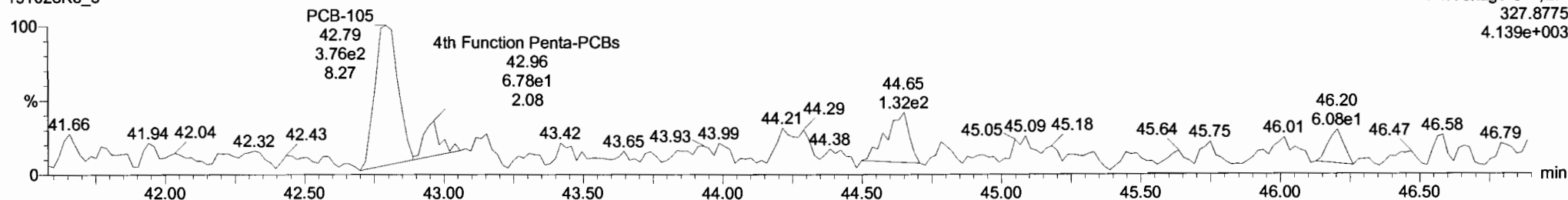
191028K3_5

F4:Voltage SIR,EI+
325.8804
5.625e+003



191028K3_5

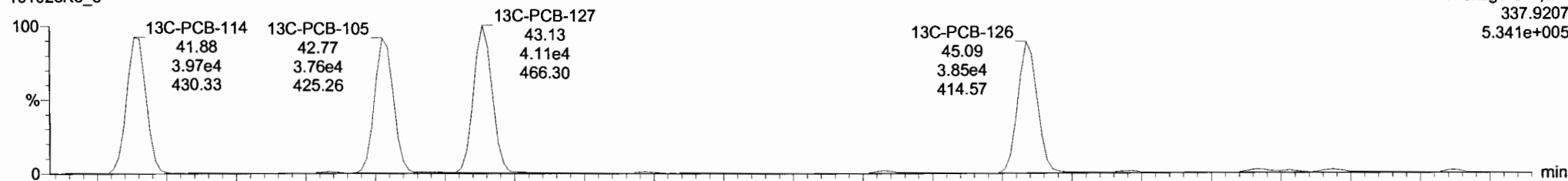
F4:Voltage SIR,EI+
327.8775
4.139e+003



13C-PCB-114

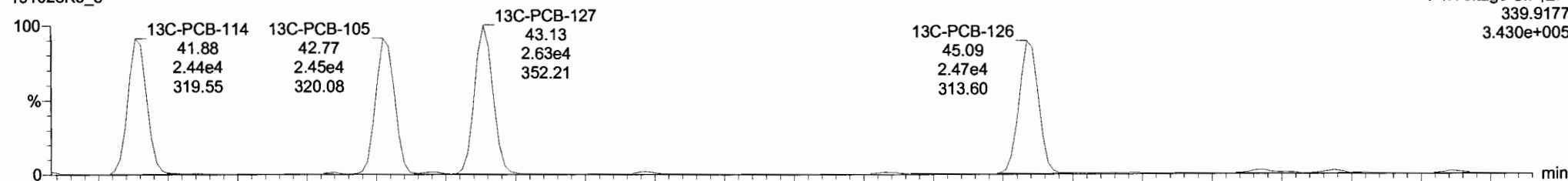
191028K3_5

F4:Voltage SIR,EI+
337.9207
5.341e+005



191028K3_5

F4:Voltage SIR,EI+
339.9177
3.430e+005



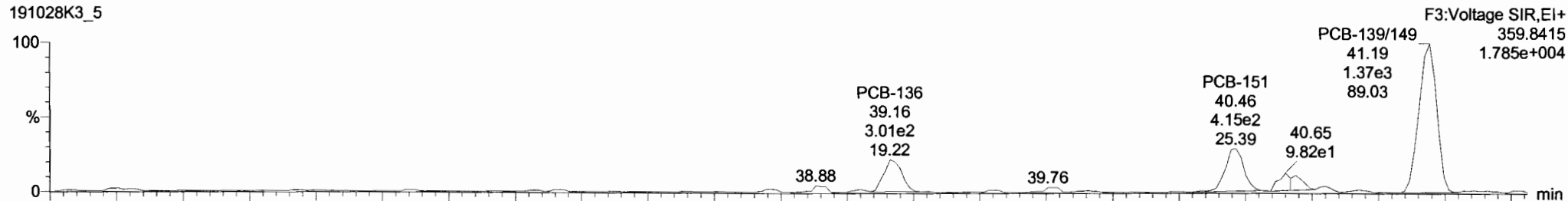
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

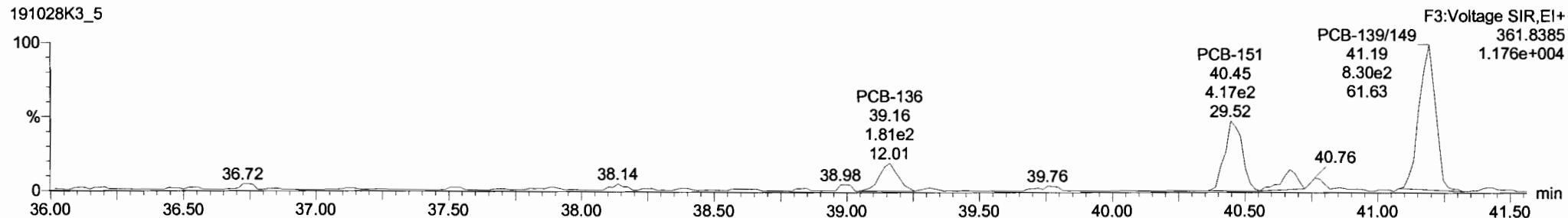
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-155

191028K3_5

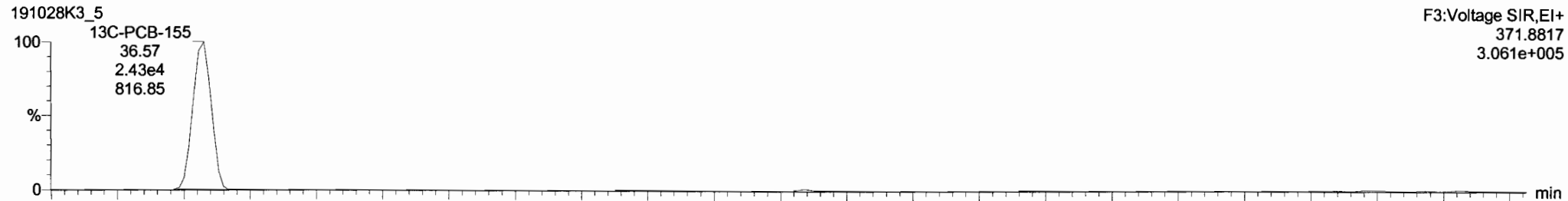


191028K3_5

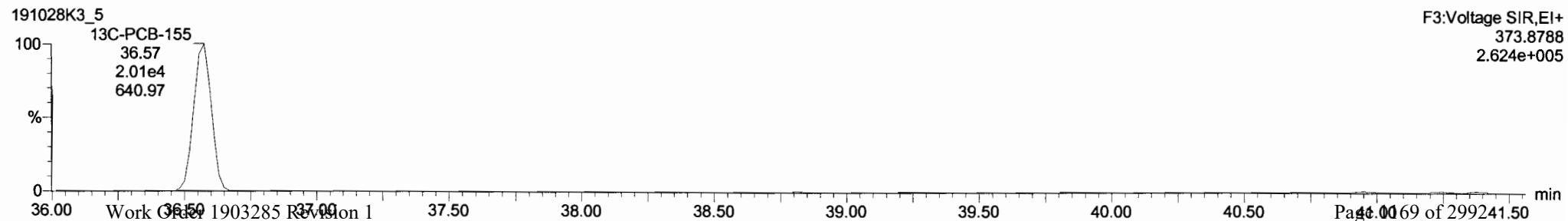


13C-PCB-155

191028K3_5



191028K3_5



Vista Analytical Laboratory VG-11

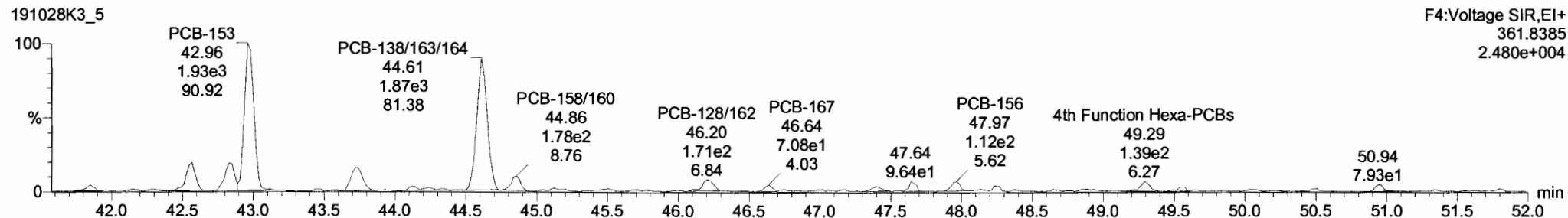
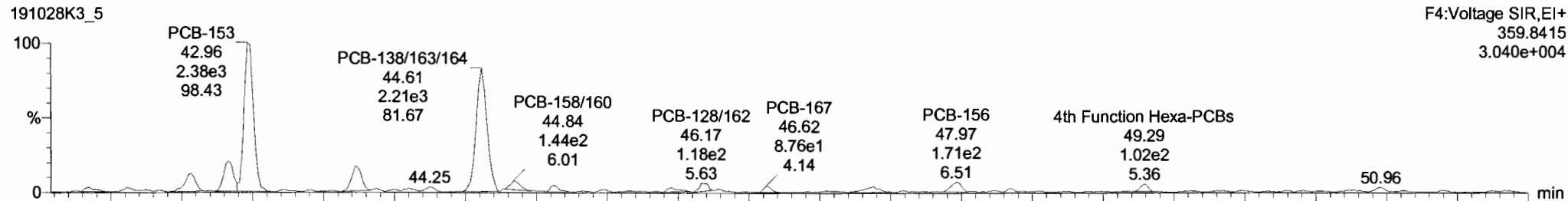
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

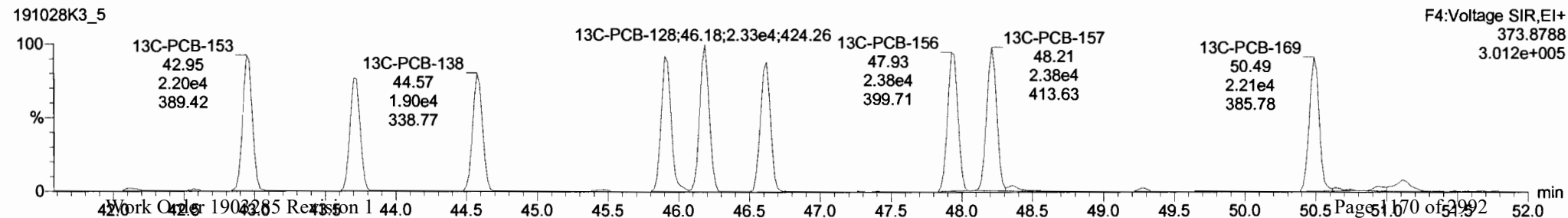
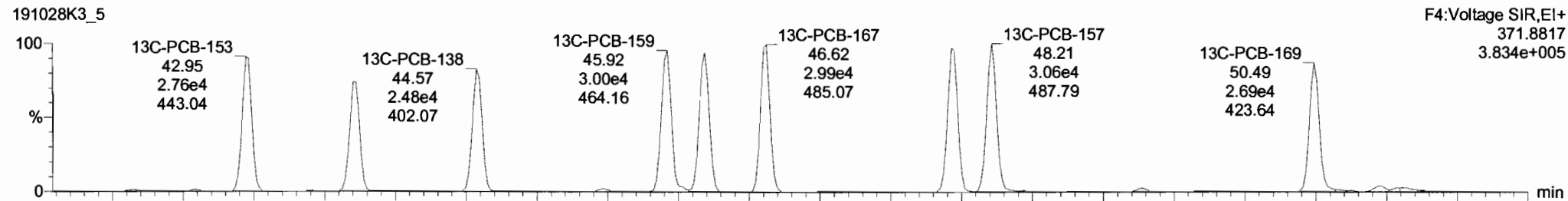
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-134/143



13C-PCB-153



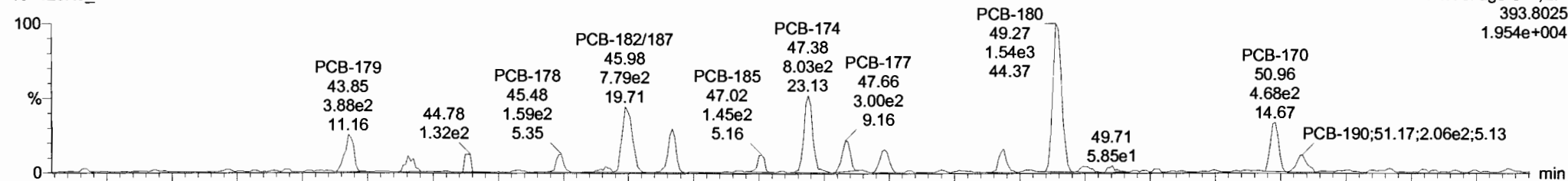
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
 Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

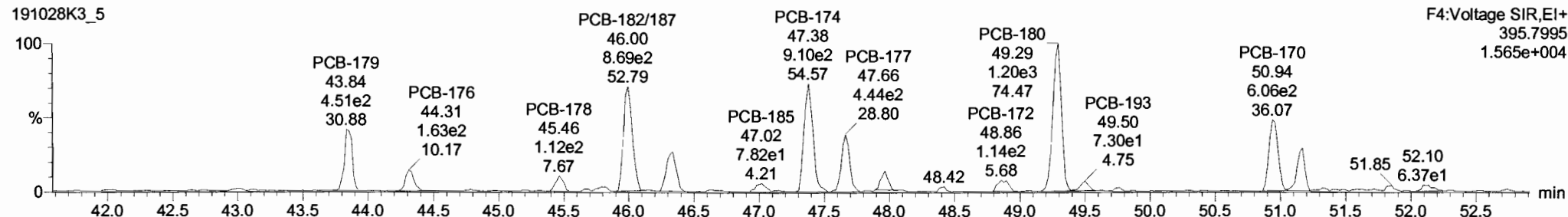
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-188

191028K3_5

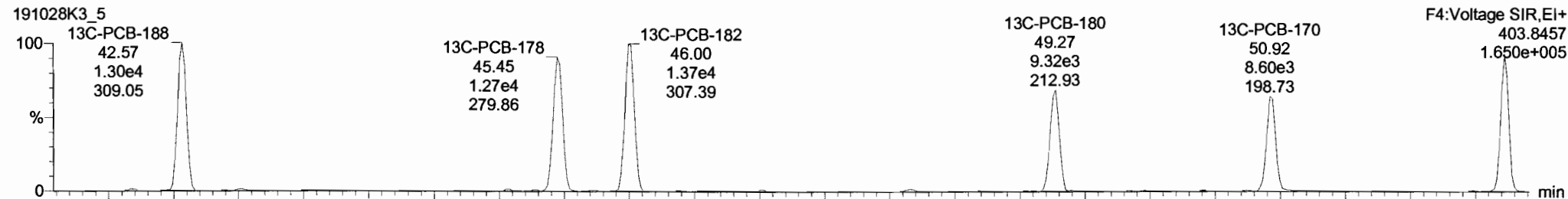


191028K3_5

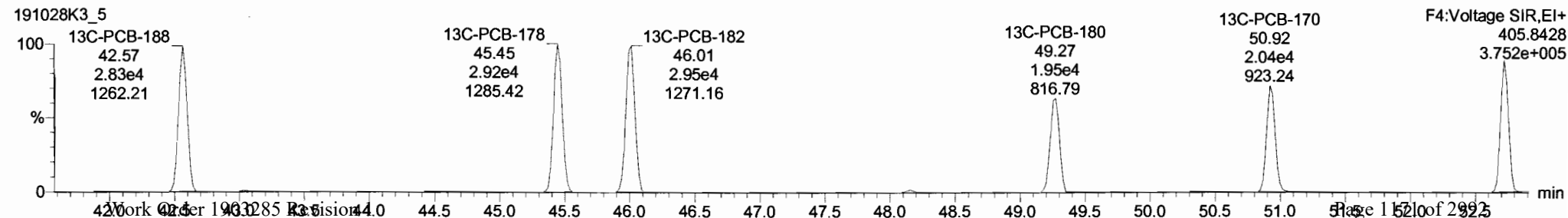


¹³C-PCB-188

191028K3_5



191028K3_5



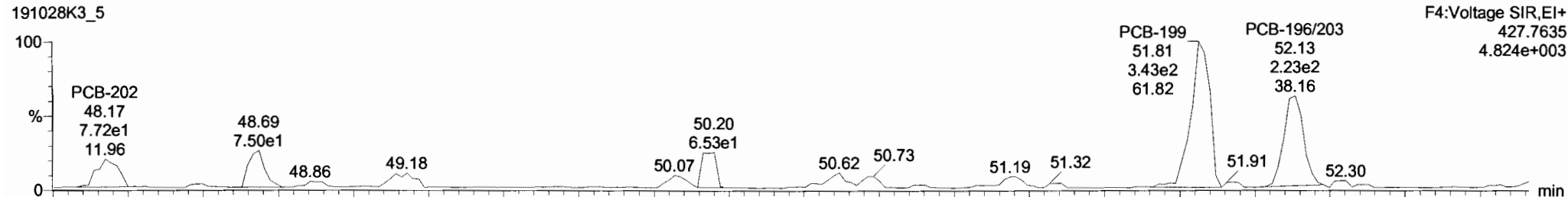
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

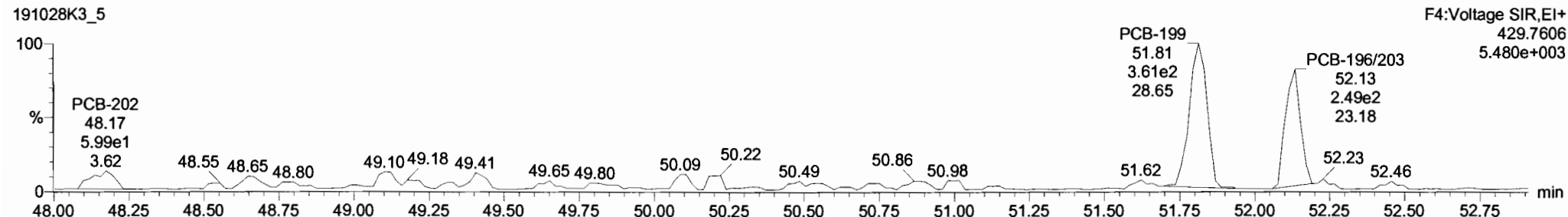
Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-202

191028K3_5

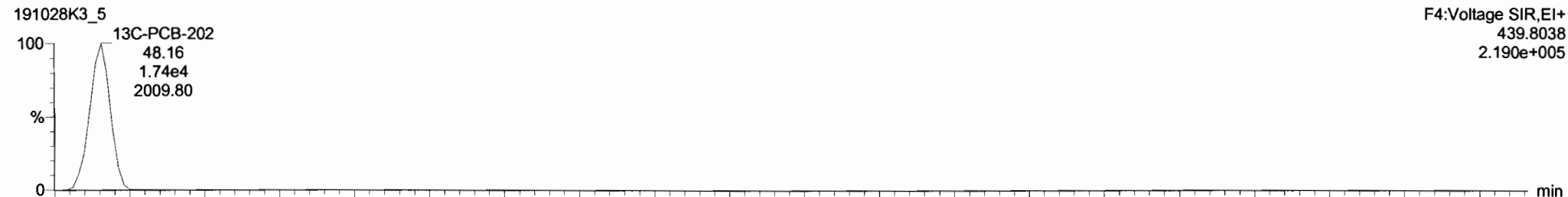


191028K3_5

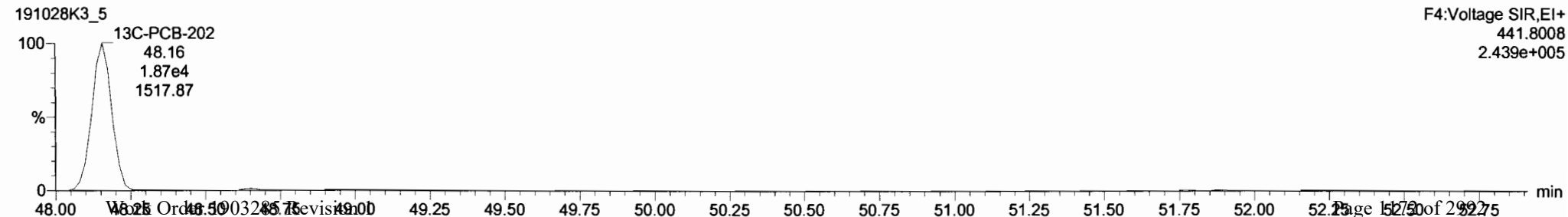


13C-PCB-202

191028K3_5



191028K3_5

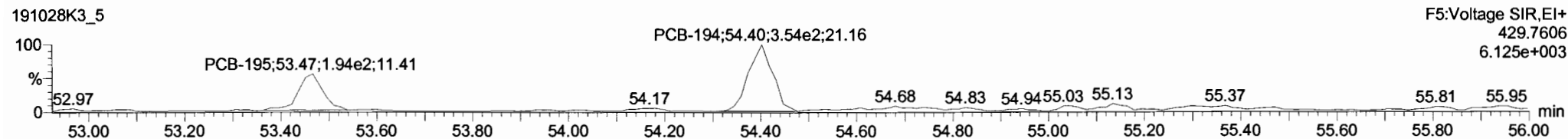
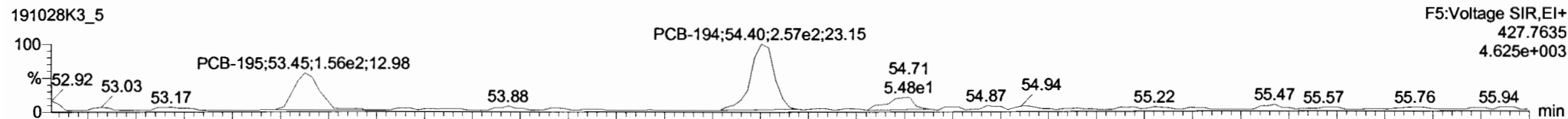


Dataset: Untitled

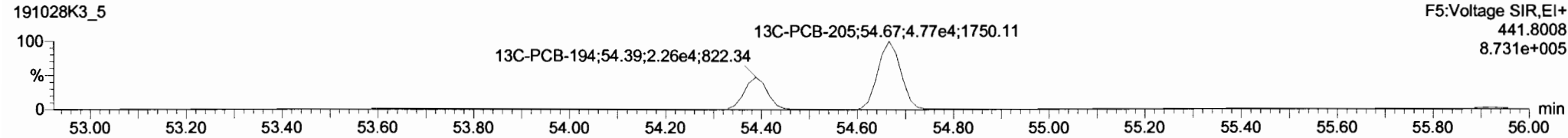
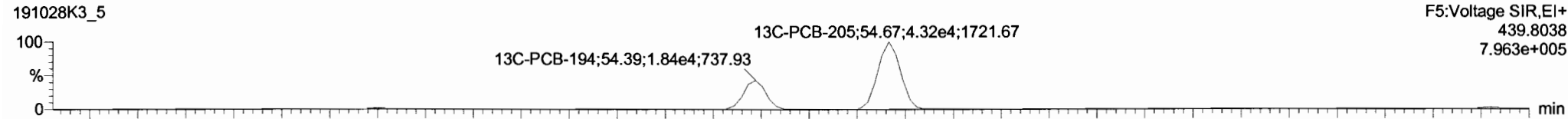
Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

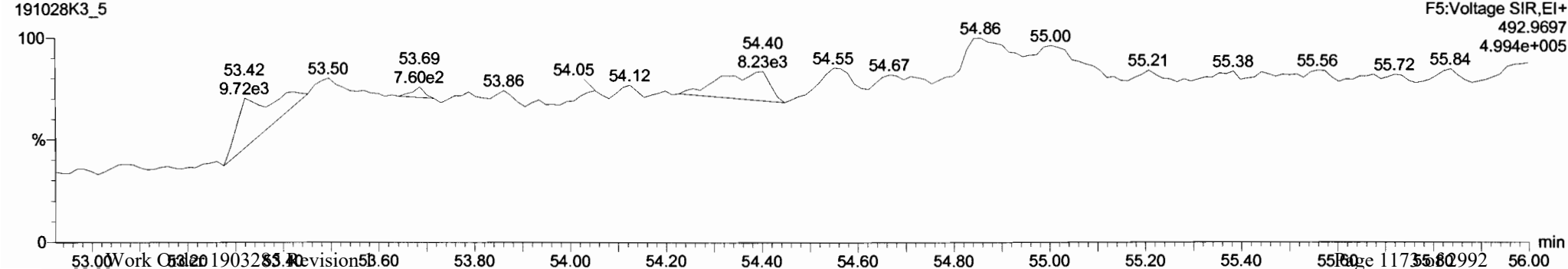
PCB-195



13C-PCB-194



PFK5



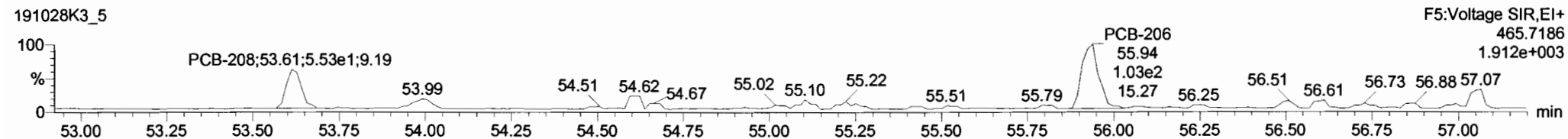
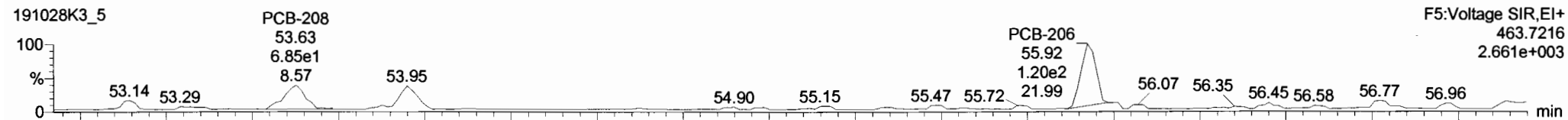
Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

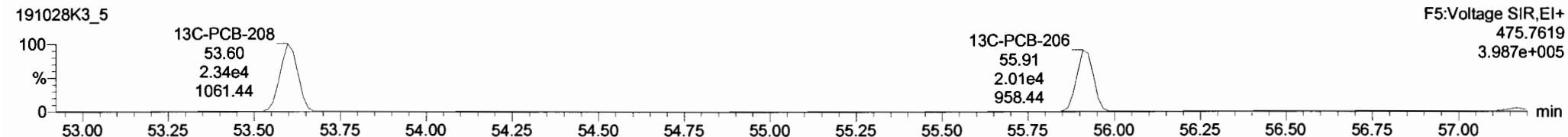
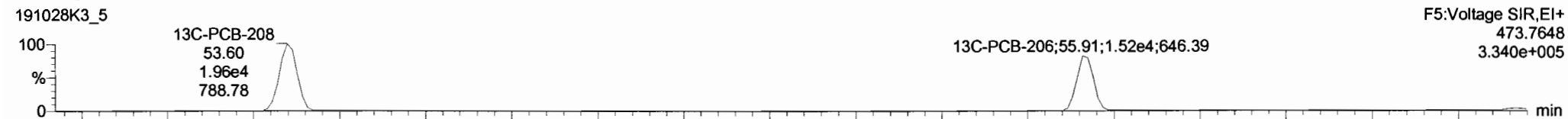
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

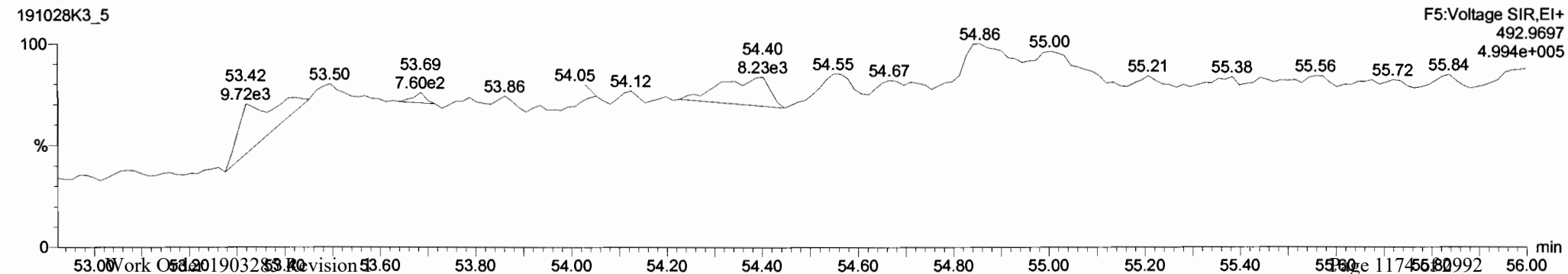
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 09:04:13 Pacific Daylight Time

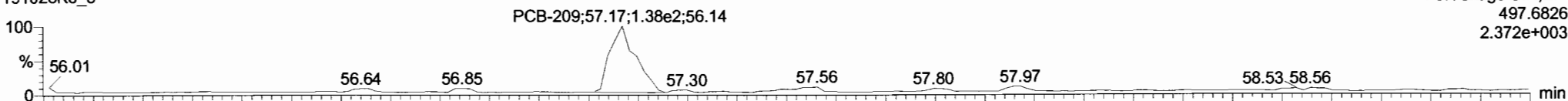
Printed: Tuesday, October 29, 2019 09:04:54 Pacific Daylight Time

Name: 191028K3_5, Date: 29-Oct-2019, Time: 07:03:22, ID: 1903285-03RE1@20X PDI-015SG-00-0.87-190924 1.55, Description: PDI-015SG-00-0.87-190924

PCB-209

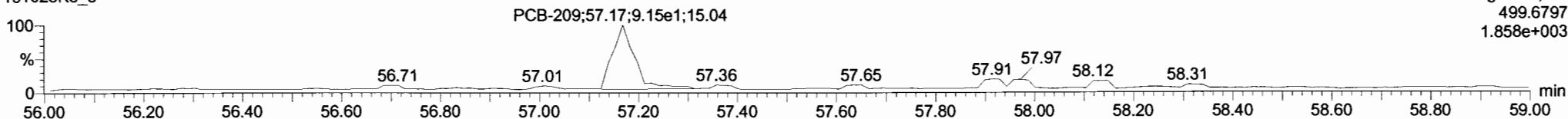
191028K3_5

F5:Voltage SIR,EI+
497.6826
2.372e+003



191028K3_5

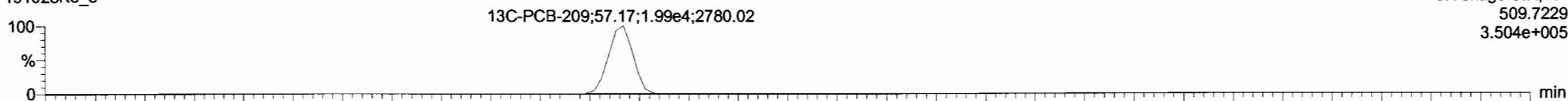
F5:Voltage SIR,EI+
499.6797
1.858e+003



13C-PCB-209

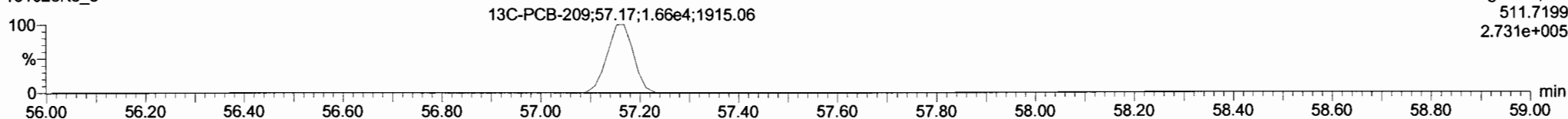
191028K3_5

F5:Voltage SIR,EI+
509.7229
3.504e+005



191028K3_5

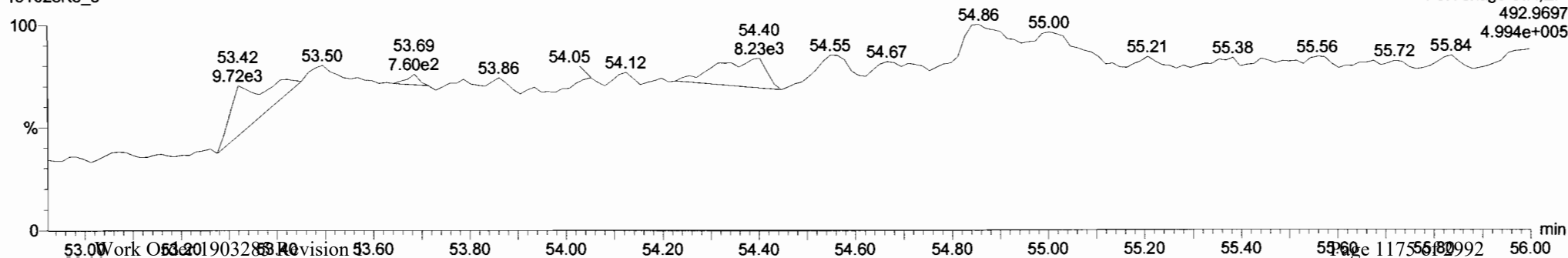
F5:Voltage SIR,EI+
511.7199
2.731e+005



PFK5

191028K3_5

F5:Voltage SIR,EI+
492.9697
4.994e+005



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

Last Altered: Thursday, October 31, 2019 14:17:34 Pacific Daylight Time
Printed: Thursday, October 31, 2019 14:22:08 Pacific Daylight Time

EL 10/31/19

Hc 11-1-19

C7, 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	32 PCB-54	1272.983	0.719	NO	0.996	5.565	27.60	27.60	1.00	1.00	NO	2.900		0.346	2.900
2	33 PCB-50	465.311	0.755	NO	0.781	5.565	28.80	28.81	1.04	1.04	NO	1.351		0.441	1.351
3	34 PCB-53	15014.646	0.736	NO	0.955	5.565	29.48	29.48	0.94	0.94	NO	43.28		0.456	43.28
4	35 PCB-51	6942.935	0.719	NO	1.02	5.565	29.83	29.84	0.95	0.95	NO	18.67		0.426	18.67
5	36 PCB-45	11765.246	0.734	NO	0.808	5.565	30.28	30.28	0.97	0.97	NO	40.09		0.539	40.09
6	37 PCB-46	4618.857	0.802	NO	0.754	5.565	30.78	30.78	0.99	0.99	NO	16.87		0.578	16.87
7	38 PCB-52/69	121564.094	0.731	NO	1.09	5.565	31.29	31.27	1.00	1.00	NO	306.5		0.399	306.5
8	39 PCB-73	396.390	0.834	NO	1.29	5.565	31.41	31.38	1.01	1.00	NO	0.8463		0.338	0.8463
9	40 PCB-43/49	82610.863	0.743	NO	0.940	5.565	31.58	31.58	1.01	1.01	NO	241.9		0.463	241.9
10	41 PCB-47	36823.740	0.728	NO	0.869	5.565	31.79	31.81	1.00	1.00	NO	108.6		0.482	108.6
11	42 PCB-48/75	20656.461	0.758	NO	1.02	5.565	31.90	31.92	1.00	1.00	NO	51.66		0.409	51.66
12	43 PCB-65				1.11	5.565	32.17		1.01		YES			0.378	
13	44 PCB-62				1.07	5.565	32.28		1.02		YES			0.393	
14	45 PCB-44	72930.219	0.751	NO	0.761	5.565	32.62	32.63	1.03	1.03	NO	245.6		0.550	245.6
15	46 PCB-42/59	32244.393	0.733	NO	0.960	5.565	32.83	32.85	1.03	1.03	NO	86.05		0.436	86.05
16	47 PCB-41/64/71/72	91618.445	0.733	NO	1.08	5.565	33.45	33.45	1.05	1.05	NO	217.0		0.387	217.0
17	48 PCB-68	1732.272	0.961	YES	1.11	5.565	33.71	33.71	1.06	1.06	NO	4.003		0.378	3.613
18	49 PCB-40	12046.691	0.844	NO	0.577	5.565	33.94	33.93	1.07	1.07	NO	53.52		0.726	53.52
19	50 PCB-57	711.455	0.735	NO	1.05	5.565	34.28	34.30	0.97	0.97	NO	1.445		0.325	1.445
20	51 PCB-67	3545.546	0.616	YES	0.993	5.565	34.61	34.62	0.98	0.98	NO	7.599		0.343	6.656
21	52 PCB-58	807.037	0.702	NO	1.11	5.565	34.74	34.75	0.98	0.98	NO	1.544		0.306	1.544
22	53 PCB-63	4802.317	0.694	NO	0.962	5.565	34.89	34.90	0.99	0.99	NO	10.63		0.354	10.63
23	54 PCB-74	53421.146	0.738	NO	1.07	5.565	35.18	35.19	0.99	0.99	NO	106.7		0.319	106.7
24	55 PCB-61/70	142150.765	0.721	NO	0.986	5.565	35.40	35.42	1.00	1.00	NO	306.9		0.345	306.9
25	56 PCB-76/66	121802.098	0.715	NO	1.07	5.565	35.56	35.62	1.00	1.01	NO	243.1		0.319	243.1
26	57 PCB-80				1.08	5.565	35.85		1.00		YES			0.291	
27	58 PCB-55	1502.719	0.792	NO	1.07	5.565	36.17	36.14	1.01	1.01	NO	2.866		0.295	2.866
28	59 PCB-56/60	65325.459	0.760	NO	0.934	5.565	36.67	36.66	1.02	1.02	NO	142.4		0.338	142.4
29	60 PCB-79	2144.506	0.806	NO	1.04	5.565	37.79	37.80	1.05	1.06	NO	4.181		0.302	4.181
30	61 PCB-78				1.03	5.565	38.51		0.99		YES			0.300	
31	62 PCB-81	1165.022	1.069	YES	0.933	5.565	39.05	39.10	1.00	1.00	NO	2.439		0.332	2.087

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	63 PCB-77	10502.672	0.787	NO	1.03	5.565	39.66	39.66	1.00	1.00	NO	20.69		0.323	20.69
33	64 PCB-104	218.591	1.469	NO	0.995	5.565	32.48	32.50	1.00	1.00	NO	0.6420		0.386	0.6420
34	65 PCB-96	1570.072	1.356	NO	0.996	5.565	33.77	33.74	1.04	1.04	NO	4.606		0.386	4.606
35	66 PCB-103	2836.240	1.231	YES	0.774	5.565	34.34	34.32	1.06	1.06	NO	10.70		0.496	9.689
36	67 PCB-100	1998.064	1.387	NO	0.778	5.565	34.71	34.67	1.07	1.07	NO	7.506		0.494	7.506
37	68 PCB-94	651.001	1.814	YES	0.773	5.565	35.18	35.16	0.99	0.98	NO	3.080		0.619	2.802
38	69 PCB-95/98/102	75963.381	1.530	NO	1.01	5.565	35.65	35.72	1.00	1.00	NO	273.9		0.472	273.9
39	70 PCB-93				0.841	5.565	35.78		1.00		YES			0.569	
40	71 PCB-88/91	16593.198	1.479	NO	0.890	5.565	36.13	36.13	1.01	1.01	NO	68.25		0.538	68.25
41	72 PCB-121				1.39	5.565	36.21		1.01		YES			0.345	
42	73 PCB-84/92	38792.360	1.531	NO	0.879	5.565	37.08	37.07	0.99	0.99	NO	165.2		0.562	165.2
43	74 PCB-89	1080.511	1.967	YES	0.959	5.565	37.29	37.26	1.00	1.00	NO	4.214		0.545	3.636
44	75 PCB-90/101	102098.504	1.555	NO	0.944	5.565	37.46	37.47	1.00	1.00	NO	404.7		0.523	404.7
45	76 PCB-113	426.187	1.118	YES	1.23	5.565	37.71	37.71	1.01	1.01	NO	1.296		0.701	1.123
46	77 PCB-99	50383.552	1.569	NO	1.12	5.565	37.81	37.80	1.01	1.01	NO	168.5		0.441	168.5
47	78 PCB-119	5459.100	1.558	NO	1.47	5.565	38.28	38.28	0.99	0.99	NO	14.96		0.359	14.96
48	79 PCB-108/112	3906.579	1.560	NO	1.25	5.565	38.44	38.45	0.99	0.99	NO	12.60		0.423	12.60
49	80 PCB-83				1.55	5.565	38.61		1.00		YES			0.341	
50	81 PCB-97	24248.810	1.497	NO	1.07	5.565	38.82	38.80	1.00	1.00	NO	90.93		0.491	90.93
51	82 PCB-86				0.996	5.565	38.97		1.00		YES			0.531	
52	83 PCB-87/117/125	32844.536	1.626	NO	1.33	5.565	39.08	39.10	1.01	1.01	NO	99.36		0.396	99.36
53	84 PCB-111/115	1675.518	3.347	YES	1.60	5.565	39.25	39.25	1.01	1.01	NO	4.219		0.330	2.485
54	85 PCB-85/116	13264.408	1.689	NO	1.22	5.565	39.37	39.36	1.02	1.01	NO	43.98		0.434	43.98
55	86 PCB-120	747.441	1.413	NO	1.68	5.565	39.64	39.64	1.02	1.02	NO	1.793		0.314	1.793
56	87 PCB-110	126669.199	1.524	NO	1.49	5.565	39.78	39.77	1.03	1.03	NO	343.7		0.355	343.7
57	88 PCB-82	7098.811	1.309	YES	0.674	5.565	40.40	40.42	0.98	0.98	NO	31.93		0.589	29.71
58	89 PCB-124	4404.524	1.429	NO	1.16	5.565	41.14	41.13	0.99	0.99	NO	11.49		0.342	11.49
59	90 PCB-107/109	7764.487	1.585	NO	1.17	5.565	41.28	41.30	1.00	1.00	NO	20.20		0.341	20.20
60	91 PCB-123	1367.255	1.456	NO	1.04	5.565	41.45	41.45	1.00	1.00	NO	3.984		0.382	3.984
61	92 PCB-106/118	89406.613	1.544	NO	1.07	5.565	41.65	41.63	1.00	1.00	NO	249.4		0.371	249.4
62	93 PCB-114	2350.820	1.352	NO	1.16	5.565	42.31	42.31	1.00	1.00	NO	4.489		0.363	4.489
63	94 PCB-122	1278.750	1.318	YES	0.973	5.565	42.44	42.44	1.00	1.00	NO	2.917		0.434	2.721
64	95 PCB-105	38522.702	1.643	NO	1.10	5.565	43.20	43.20	1.00	1.00	NO	76.90		0.390	76.90
65	96 PCB-127				1.11	5.565	43.56		1.00		YES			0.382	

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	97 PCB-126				1.21	5.565	45.51		1.00		YES			0.399	
67	98 PCB-155				0.874	5.565	36.98		1.00		YES			0.440	
68	99 PCB-150	657.690	1.164	NO	0.881	5.565	38.28	38.30	1.04	1.04	NO	3.152		0.437	3.152
69	100 PCB-152	123.170	0.742	YES	1.00	5.565	38.77	38.77	1.05	1.05	NO	0.5177		0.383	0.3984
70	101 PCB-145				1.00	5.565	39.21		1.06		YES			0.385	
71	102 PCB-136	15669.751	1.346	NO	0.843	5.565	39.57	39.57	1.07	1.07	NO	78.44		0.456	78.44
72	103 PCB-148	223.875	0.804	YES	0.693	5.565	39.68	39.70	1.07	1.07	NO	1.363		0.555	1.097
73	104 PCB-154	2377.420	0.999	YES	0.724	5.565	40.17	40.20	1.09	1.09	NO	13.86		0.532	12.52
74	105 PCB-151	20738.289	1.126	NO	0.632	5.565	40.84	40.85	1.11	1.11	NO	138.5		0.609	138.5
75	106 PCB-135	10459.667	1.241	NO	0.716	5.565	41.07	41.08	1.11	1.11	NO	61.67		0.538	61.67
76	107 PCB-144	2826.923	1.192	NO	0.667	5.565	41.17	41.19	1.11	1.11	NO	17.90		0.577	17.90
77	108 PCB-147	1720.363	1.243	NO	0.661	5.565	41.30	41.34	1.12	1.12	NO	10.99		0.582	10.99
78	109 PCB-139/149	69333.629	1.233	NO	0.738	5.565	41.58	41.58	1.13	1.12	NO	396.5		0.521	396.5
79	110 PCB-140	500.091	1.781	YES	0.627	5.565	41.77	41.76	1.13	1.13	NO	3.365		0.613	2.711
80	111 PCB-134/143	5655.016	1.270	NO	0.733	5.565	42.26	42.25	0.97	0.97	NO	20.68		0.592	20.68
81	112 PCB-131/133	3776.969	1.266	NO	0.790	5.565	42.55	42.56	0.98	0.98	NO	12.82		0.549	12.82
82	113 PCB-142				0.708	5.565	42.70		0.99		YES			0.613	
83	114 PCB-146/165	27787.637	1.221	NO	0.959	5.565	42.95	42.95	0.99	0.99	NO	77.69		0.452	77.69
84	115 PCB-132/161	37169.469	1.148	NO	0.974	5.565	43.19	43.22	1.00	1.00	NO	102.3		0.445	102.3
85	116 PCB-153	149336.734	1.210	NO	1.01	5.565	43.37	43.37	1.00	1.00	NO	395.8		0.429	395.8
86	117 PCB-168				1.02	5.565	43.60		1.01		YES			0.426	
87	118 PCB-141	21691.666	1.248	NO	0.967	5.565	44.13	44.13	1.00	1.00	NO	74.99		0.573	74.99
88	119 PCB-137	3643.396	1.131	NO	0.987	5.565	44.51	44.53	1.01	1.01	NO	12.34		0.561	12.34
89	120 PCB-130	6567.565	1.285	NO	0.840	5.565	44.62	44.64	1.01	1.01	NO	26.13		0.660	26.13
90	121 PCB-138/163/164	141808.914	1.210	NO	1.23	5.565	45.02	45.02	1.00	1.00	NO	373.9		0.440	373.9
91	122 PCB-158/160	12833.096	1.117	NO	1.18	5.565	45.26	45.25	1.01	1.01	NO	35.22		0.458	35.22
92	123 PCB-129	3292.060	1.417	NO	0.819	5.565	45.51	45.51	1.01	1.01	NO	12.99		0.659	12.99
93	124 PCB-166				1.07	5.565	45.99		0.99		YES			0.465	
94	125 PCB-159				1.12	5.565	46.33		1.00		YES			0.444	
95	126 PCB-128/162	14271.684	1.245	NO	0.851	5.565	46.61	46.61	1.01	1.01	NO	48.57		0.584	48.57
96	127 PCB-167	4272.098	1.288	NO	1.04	5.565	47.03	47.03	1.00	1.00	NO	11.53		0.452	11.53
97	128 PCB-156	10353.227	1.150	NO	1.06	5.565	48.35	48.35	1.00	1.00	NO	29.45		0.481	29.45
98	129 PCB-157	1814.130	0.855	YES	0.978	5.565	48.66	48.64	1.00	1.00	NO	5.860		0.524	4.705
99	130 PCB-169				1.11	5.565	50.91		1.00		YES			0.527	

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	131 PCB-188				1.19	5.565	42.99		1.00		YES			0.349	
101	132 PCB-184				1.17	5.565	43.43		1.01		YES			0.356	
102	133 PCB-179	20846.216	1.035	NO	1.18	5.565	44.24	44.24	1.03	1.03	NO	62.25		0.354	62.25
103	134 PCB-176	5975.962	1.110	NO	1.16	5.565	44.71	44.73	1.04	1.04	NO	18.10		0.359	18.10
104	135 PCB-186				1.22	5.565	45.32		1.06		YES			0.341	
105	136 PCB-178	6790.727	1.079	NO	0.830	5.565	45.83	45.87	1.07	1.07	NO	28.72		0.501	28.72
106	137 PCB-175	1126.114	0.832	YES	0.849	5.565	46.19	46.23	1.08	1.08	NO	4.661		0.490	4.133
107	138 PCB-182/187	41382.516	1.102	NO	0.960	5.565	46.38	46.38	1.08	1.08	NO	151.4		0.433	151.4
108	139 PCB-183	17820.925	1.050	NO	0.957	5.565	46.72	46.74	1.09	1.09	NO	65.43		0.435	65.43
109	140 PCB-185	3351.377	1.023	NO	1.32	5.565	47.42	47.41	0.95	0.95	NO	15.09		0.525	15.09
110	141 PCB-174	28208.991	1.034	NO	1.22	5.565	47.79	47.78	0.96	0.96	NO	137.5		0.569	137.5
111	142 PCB-181				1.41	5.565	47.89		0.96		YES			0.490	
112	143 PCB-177	15806.757	0.989	NO	1.24	5.565	48.07	48.07	0.97	0.97	NO	75.71		0.559	75.71
113	144 PCB-171	7153.149	1.077	NO	1.24	5.565	48.36	48.37	0.97	0.97	NO	34.22		0.558	34.22
114	145 PCB-173	486.926	1.444	YES	1.14	5.565	48.80	48.77	0.98	0.98	NO	2.535		0.607	2.126
115	146 PCB-172	4038.014	0.961	NO	1.31	5.565	49.28	49.26	0.99	0.99	NO	18.35		0.530	18.35
116	147 PCB-192				1.70	5.565	49.47		1.00		YES			0.407	
117	148 PCB-180	56109.193	1.015	NO	1.32	5.565	49.68	49.68	1.00	1.00	NO	252.5		0.525	252.5
118	149 PCB-193	3821.356	0.960	NO	1.54	5.565	49.91	49.89	1.00	1.00	NO	14.75		0.450	14.75
119	150 PCB-191	1298.540	1.221	YES	1.57	5.565	50.15	50.15	1.01	1.01	NO	4.963		0.441	4.527
120	151 PCB-170	20280.258	0.988	NO	1.36	5.565	51.35	51.35	1.00	1.00	NO	103.2		0.592	103.2
121	152 PCB-190	7252.481	1.352	YES	1.84	5.565	51.53	51.56	1.00	1.00	NO	27.27		0.437	23.77
122	153 PCB-189	837.490	1.246	YES	1.33	5.565	53.09	53.09	1.00	1.00	NO	4.264		0.502	3.837
123	154 PCB-202	2376.484	0.941	NO	1.02	5.565	48.60	48.58	1.00	1.00	NO	12.08		1.01	12.08
124	155 PCB-201	1757.057	1.395	YES	0.915	5.565	49.09	49.07	1.01	1.01	NO	9.906		1.14	7.889
125	156 PCB-204				0.979	5.565	49.23		1.01		YES			1.06	
126	157 PCB-197	783.720	1.387	YES	0.979	5.565	49.55	49.55	1.02	1.02	NO	4.168		1.06	3.301
127	158 PCB-200	1475.976	0.850	NO	0.954	5.565	50.50	50.47	1.04	1.04	NO	8.053		1.09	8.053
128	159 PCB-198				0.748	5.565	52.05		1.07		YES			1.39	
129	160 PCB-199	6716.393	0.814	NO	0.706	5.565	52.17	52.18	1.07	1.07	NO	49.53		1.47	49.53
130	161 PCB-196/203	7287.253	0.852	NO	0.785	5.565	52.48	52.48	1.08	1.08	NO	48.34		1.32	48.34
131	162 PCB-195	3632.369	0.911	NO	1.03	5.565	53.80	53.79	0.98	0.98	NO	21.01		0.867	21.01
132	163 PCB-194	8481.362	0.810	NO	1.16	5.565	54.72	54.71	1.00	1.00	NO	43.86		0.775	43.86
133	164 PCB-205	588.349	0.969	NO	1.40	5.565	54.98	54.99	1.01	1.01	NO	2.511		0.640	2.511

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	165 PCB-208	1523.218	1.078	YES	0.934	5.565	53.95	53.94	1.00	1.00	NO	8.440		0.740	7.645
135	166 PCB-207	756.175	1.342	NO	0.912	5.565	54.27	54.27	1.01	1.01	NO	4.292		0.758	4.292
136	167 PCB-206	3147.200	1.256	NO	0.987	5.565	56.25	56.25	1.00	1.00	NO	26.26		1.07	26.26
137	168 PCB-209	3243.206	1.023	NO	0.943	5.565	57.48	57.49	1.00	1.00	NO	29.05		1.25	29.05
138	178 13C-PCB-54	792181.219	0.749	NO	1.10	5.565	27.60	27.58	0.75	0.75	NO	1473	82.0	0.924	
139	179 13C-PCB-52	652790.656	0.750	NO	0.844	5.565	31.26	31.25	0.85	0.85	NO	1579	87.9	1.20	
140	180 13C-PCB-47	701414.094	0.769	NO	0.893	5.565	31.77	31.77	0.87	0.87	NO	1603	89.2	1.14	
141	181 13C-PCB-70	844433.406	0.771	NO	1.01	5.565	35.40	35.38	0.97	0.96	NO	1711	95.2	1.01	
142	182 13C-PCB-80	882006.344	0.748	NO	1.05	5.565	35.83	35.83	0.98	0.98	NO	1722	95.8	0.970	
143	183 13C-PCB-81	919779.813	0.761	NO	0.985	5.565	39.03	39.03	1.06	1.06	NO	1907	106	1.03	
144	184 13C-PCB-77	883230.969	0.775	NO	0.958	5.565	39.64	39.64	1.08	1.08	NO	1882	105	1.06	
145	185 13C-PCB-104	615151.188	1.633	NO	1.10	5.565	32.44	32.46	0.83	0.83	NO	1591	88.5	0.819	
146	186 13C-PCB-95	491134.344	1.594	NO	0.852	5.565	35.69	35.70	0.91	0.91	NO	1635	91.0	1.05	
147	187 13C-PCB-101	480262.532	1.614	NO	0.814	5.565	37.44	37.45	0.95	0.95	NO	1674	93.2	1.10	
148	188 13C-PCB-97	445793.297	1.620	NO	0.709	5.565	38.79	38.79	0.99	0.99	NO	1783	99.2	1.27	
149	189 13C-PCB-123	592289.765	1.593	NO	0.922	5.565	41.43	41.43	1.06	1.06	NO	1823	101	0.975	
150	190 13C-PCB-118	602000.422	1.649	NO	0.975	5.565	41.61	41.62	1.06	1.06	NO	1752	97.5	0.922	
151	191 13C-PCB-114	810105.250	1.542	NO	1.52	5.565	42.28	42.29	0.91	0.91	NO	2129	118	1.35	
152	192 13C-PCB-105	817689.750	1.517	NO	1.58	5.565	43.17	43.18	0.93	0.93	NO	2062	115	1.30	
153	193 13C-PCB-127	843412.687	1.529	NO	1.62	5.565	43.51	43.54	0.93	0.93	NO	2077	116	1.27	
154	194 13C-PCB-126	732126.500	1.531	NO	1.45	5.565	45.48	45.49	0.98	0.98	NO	2023	113	1.42	
155	195 13C-PCB-155	425672.266	1.305	NO	1.03	5.565	36.98	36.96	0.94	0.94	NO	1177	65.5	0.417	
156	196 13C-PCB-153	669909.406	1.250	NO	1.42	5.565	43.34	43.35	0.93	0.93	NO	1879	105	1.45	
157	197 13C-PCB-141	537527.438	1.287	NO	1.14	5.565	44.09	44.11	0.95	0.95	NO	1878	105	1.81	
158	198 13C-PCB-138	555658.719	1.254	NO	1.18	5.565	44.97	44.98	0.97	0.97	NO	1880	105	1.76	
159	199 13C-PCB-159	620693.344	1.247	NO	1.43	5.565	46.28	46.31	0.99	0.99	NO	1729	96.2	1.44	
160	200 13C-PCB-167	638561.125	1.250	NO	1.42	5.565	47.00	47.01	1.01	1.01	NO	1791	99.6	1.45	
161	201 13C-PCB-156	597751.375	1.247	NO	1.40	5.565	48.30	48.33	1.04	1.04	NO	1708	95.0	1.48	
162	202 13C-PCB-157	590081.156	1.252	NO	1.41	5.565	48.60	48.62	1.04	1.04	NO	1675	93.2	1.47	
163	203 13C-PCB-169	530056.032	1.260	NO	1.35	5.565	50.87	50.89	1.09	1.09	NO	1572	87.5	1.54	
164	204 13C-PCB-188	511673.140	0.450	NO	1.46	5.565	42.99	42.95	0.93	0.93	NO	1836	102	1.31	
165	205 13C-PCB-180	302442.148	0.455	NO	0.932	5.565	49.66	49.66	1.07	1.07	NO	1703	94.8	2.05	
166	206 13C-PCB-170	259447.086	0.439	NO	0.796	5.565	51.33	51.33	1.11	1.11	NO	1711	95.2	2.40	
167	207 13C-PCB-189	268639.914	0.432	NO	1.09	5.565	53.04	53.07	1.14	1.14	NO	1293	72.0	1.75	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

Last Altered: Thursday, October 31, 2019 14:17:34 Pacific Daylight Time

Printed: Thursday, October 31, 2019 14:22:08 Pacific Daylight Time

Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRE	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	208 13C-PCB-202	345171.625	0.935	NO	1.45	5.565	48.53	48.56	1.04	1.04	NO	1249	69.5	0.998	
169	209 13C-PCB-194	300611.422	0.906	NO	0.714	5.565	54.71	54.70	1.00	0.99	NO	2004	112	2.34	
170	210 13C-PCB-208	347112.828	0.788	NO	0.896	5.565	53.96	53.94	0.98	0.98	NO	1843	103	1.45	
171	211 13C-PCB-206	218099.492	0.797	NO	0.653	5.565	56.22	56.24	1.02	1.02	NO	1590	88.5	1.99	
172	212 13C-PCB-209	212831.399	1.154	NO	0.806	5.565	57.47	57.48	1.05	1.05	NO	1257	70.0	0.905	
173	215 13C-PCB-60	880048.875	0.761	NO	1.00	5.565	36.66	36.67	1.00	0.00	NO	1797	100	1.01	
174	216 13C-PCB-111	633468.125	1.599	NO	1.00	5.565	39.22	39.23	1.00	0.00	NO	1797	100	0.898	
175	217 13C-PCB-128	450007.656	1.243	NO	1.00	5.565	46.58	46.57	1.00	0.00	NO	1797	100	2.07	
176	218 13C-PCB-182	342426.617	0.454	NO	1.00	5.565	46.41	46.40	0.00	0.00	NO	1797	100	1.91	
177	219 13C-PCB-205	377658.390	0.899	NO	1.00	5.565	54.98	54.98	1.00	0.00	NO	1797	100	1.67	
178	220 13C-PCB-79	902318.000	0.755	NO	1.03	5.565	37.76	37.76	1.03	1.03	NO	1785	99.4	0.983	
179	221 13C-PCB-178	318880.508	0.449	NO	0.875	5.565	45.85	45.85	0.99	0.99	NO	1456	81.0	1.73	
180	222 13C-PCB-79	901438.500	0.756	NO	1.05	5.565	37.76	37.76	0.97	0.97	NO	1685	93.7	0.948	
181	223 13C-PCB-178	318880.508	0.449	NO	0.975	5.565	45.87	45.85	0.92	0.92	NO	1943	108	2.26	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

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Printed: Thursday, October 31, 2019 14:23:26 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DI	EMPO
228	Total Tetra-PCBs				0.986	5.565	0.00		0.00		NO	2275		12.6	2288
229	3rd Function Penta-PCBs				1.12	5.565	0.00		0.00		NO	1986	2067.39 ✓	12.7	2035
230	4th Function Penta-PCBs				1.11	5.565	0.00		0.00		NO	81.39		1.97	84.11
231	3rd Function Hexa-PCBs				0.774	5.565	0.00		0.00		NO	707.1	1941.1 ✓	6.63	723.9
232	4th Function Hexa-PCBs				0.972	5.565	0.00		0.00		NO	1234		10.3	1239
233	Total Hepta-PCBs				1.26	5.565	0.00		0.00		NO	977.3		10.8	1016
234	4th Function Octa-PCBs				0.886	5.565	0.00		0.00		NO	118.0	185.38 ✓	9.55	129.2
235	5th Function Octa-PCBs				1.20	5.565	0.00		0.00		NO	67.38		2.28	67.38
236	Total Nona-PCBs				0.945	5.565	0.00		0.00		NO	30.55		2.56	38.20
237	Deca-CB				0.943	5.565	0.00		0.00		NO	29.05		1.25	29.05

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

Last Altered: Thursday, October 31, 2019 14:17:34 Pacific Daylight Time

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

Total Tetra-PCBs

	Name	Area	IS Area	RA	Y/N	Prod.PT	PT	Conc	EMPC
49	PCB-40	1.20e4	7.01e5	0.844	NO	33.94	33.93	53.52	53.52
48	PCB-68	1.73e3	7.01e5	0.961	YES	33.71	33.71	0.0000	3.613
47	PCB-41/64/71/72	9.16e4	7.01e5	0.733	NO	33.45	33.45	217.0	217.0
46	PCB-42/59	3.22e4	7.01e5	0.733	NO	32.83	32.85	86.05	86.05
45	PCB-44	7.29e4	7.01e5	0.751	NO	32.62	32.63	245.6	245.6
42	PCB-48/75	2.07e4	7.01e5	0.758	NO	31.90	31.92	51.66	51.66
41	PCB-47	3.68e4	7.01e5	0.728	NO	31.79	31.81	108.6	108.6
40	PCB-43/49	8.26e4	6.53e5	0.743	NO	31.58	31.58	241.9	241.9
38	PCB-52/69	1.22e5	6.53e5	0.731	NO	31.29	31.27	306.5	306.5
37	PCB-46	4.62e3	6.53e5	0.802	NO	30.78	30.78	16.87	16.87
36	PCB-45	1.18e4	6.53e5	0.734	NO	30.28	30.28	40.09	40.09
35	PCB-51	6.94e3	6.53e5	0.719	NO	29.83	29.84	18.67	18.67
34	PCB-53	1.50e4	6.53e5	0.736	NO	29.48	29.48	43.28	43.28
33	PCB-50	4.65e2	7.92e5	0.755	NO	28.80	28.81	1.351	1.351
32	PCB-54	1.27e3	7.92e5	0.719	NO	27.60	27.60	2.900	2.900
62	PCB-81	1.17e3	9.20e5	1.069	YES	39.05	39.10	0.0000	2.087
60	PCB-79	2.14e3	8.82e5	0.806	NO	37.79	37.80	4.181	4.181
59	PCB-56/60	6.53e4	8.82e5	0.760	NO	36.67	36.66	142.4	142.4
58	PCB-55	1.50e3	8.82e5	0.792	NO	36.17	36.14	2.866	2.866
56	PCB-76/66	1.22e5	8.44e5	0.715	NO	35.56	35.62	243.1	243.1
55	PCB-61/70	1.42e5	8.44e5	0.721	NO	35.40	35.42	306.9	306.9
54	PCB-74	5.34e4	8.44e5	0.738	NO	35.18	35.19	106.7	106.7
53	PCB-63	4.80e3	8.44e5	0.694	NO	34.89	34.90	10.63	10.63
52	PCB-58	8.07e2	8.44e5	0.702	NO	34.74	34.75	1.544	1.544
51	PCB-67	3.55e3	8.44e5	0.616	YES	34.61	34.62	0.0000	6.656
50	PCB-57	7.11e2	8.44e5	0.735	NO	34.28	34.30	1.445	1.445
63	PCB-77	1.05e4	8.83e5	0.787	NO	39.66	39.66	20.69	20.69
39	PCB-73	3.96e2	6.53e5	0.834	NO	31.41	31.38	0.8463	0.8463

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

3rd Function Penta-PCBs

Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc.	EMPC
78 PCB-119	5.46e3	4.46e5	1.558	NO	38.28	38.28	14.96	14.96
77 PCB-99	5.04e4	4.80e5	1.569	NO	37.81	37.80	168.5	168.5
75 PCB-90/101	1.02e5	4.80e5	1.555	NO	37.46	37.47	404.7	404.7
74 PCB-89	1.08e3	4.80e5	1.967	YES	37.29	37.26	0.0000	3.636
73 PCB-84/92	3.88e4	4.80e5	1.531	NO	37.08	37.07	165.2	165.2
71 PCB-88/91	1.66e4	4.91e5	1.479	NO	36.13	36.13	68.25	68.25
69 PCB-95/98/102	7.60e4	4.91e5	1.530	NO	35.65	35.72	273.9	273.9
68 PCB-94	6.51e2	4.91e5	1.814	YES	35.18	35.16	0.0000	2.802
67 PCB-100	2.00e3	6.15e5	1.387	NO	34.71	34.67	7.506	7.506
66 PCB-103	2.84e3	6.15e5	1.231	YES	34.34	34.32	0.0000	9.689
65 PCB-96	1.57e3	6.15e5	1.356	NO	33.77	33.74	4.606	4.606
64 PCB-104	2.19e2	6.15e5	1.469	NO	32.48	32.50	0.6420	0.6420
92 PCB-106/118	8.94e4	6.02e5	1.544	NO	41.65	41.63	249.4	249.4
91 PCB-123	1.37e3	5.92e5	1.456	NO	41.45	41.45	3.984	3.984
90 PCB-107/109	7.76e3	5.92e5	1.585	NO	41.28	41.30	20.20	20.20
89 PCB-124	4.40e3	5.92e5	1.429	NO	41.14	41.13	11.49	11.49
88 PCB-82	7.10e3	5.92e5	1.309	YES	40.40	40.42	0.0000	29.71
87 PCB-110	1.27e5	4.46e5	1.524	NO	39.78	39.77	343.7	343.7
86 PCB-120	7.47e2	4.46e5	1.413	NO	39.64	39.64	1.793	1.793
85 PCB-85/116	1.33e4	4.46e5	1.689	NO	39.37	39.36	43.98	43.98
84 PCB-111/115	1.68e3	4.46e5	3.347	YES	39.25	39.25	0.0000	2.485
83 PCB-87/117/125	3.28e4	4.46e5	1.626	NO	39.08	39.10	99.36	99.36
81 PCB-97	2.42e4	4.46e5	1.497	NO	38.82	38.80	90.93	90.93
79 PCB-108/112	3.91e3	4.46e5	1.560	NO	38.44	38.45	12.60	12.60
76 PCB-113	4.26e2	4.80e5	1.118	YES	37.71	37.71	0.0000	1.123

4th Function Penta-PCBs

Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc.	EMPC
95 PCB-105	3.85e4	8.18e5	1.643	NO	43.20	43.20	76.90	76.90
94 PCB-122	1.28e3	8.10e5	1.318	YES	42.44	42.44	0.0000	2.721
93 PCB-114	2.35e3	8.10e5	1.352	NO	42.31	42.31	4.489	4.489

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

3rd Function Hexa-PCBs

	Name	Area	S Area	FA	Y/N	Pred. RT	RT	Conc	EMPG
	110 PCB-140	5.00e2	4.26e5	1.781	YES	41.77	41.76	0.0000	2.711
	109 PCB-139/149	6.93e4	4.26e5	1.233	NO	41.58	41.58	396.5	396.5
	108 PCB-147	1.72e3	4.26e5	1.243	NO	41.30	41.34	10.99	10.99
	107 PCB-144	2.83e3	4.26e5	1.192	NO	41.17	41.19	17.90	17.90
	106 PCB-135	1.05e4	4.26e5	1.241	NO	41.07	41.08	61.67	61.67
	105 PCB-151	2.07e4	4.26e5	1.126	NO	40.84	40.85	138.5	138.5
	104 PCB-154	2.38e3	4.26e5	0.999	YES	40.17	40.20	0.0000	12.52
	103 PCB-148	2.24e2	4.26e5	0.804	YES	39.68	39.70	0.0000	1.097
	102 PCB-136	1.57e4	4.26e5	1.346	NO	39.57	39.57	78.44	78.44
	100 PCB-152	1.23e2	4.26e5	0.742	YES	38.77	38.77	0.0000	0.3984
	99 PCB-150	6.58e2	4.26e5	1.164	NO	38.28	38.30	3.152	3.152

4th Function Hexa-PCBs

	Name	Area	S Area	FA	Y/N	Pred. RT	RT	Conc	EMPG
	118 PCB-141	2.17e4	5.38e5	1.248	NO	44.13	44.13	74.99	74.99
	116 PCB-153	1.49e5	6.70e5	1.210	NO	43.37	43.37	395.8	395.8
	115 PCB-132/161	3.72e4	6.70e5	1.148	NO	43.19	43.22	102.3	102.3
	114 PCB-146/165	2.78e4	6.70e5	1.221	NO	42.95	42.95	77.69	77.69
	112 PCB-131/133	3.78e3	6.70e5	1.266	NO	42.55	42.56	12.82	12.82
	111 PCB-134/143	5.66e3	6.70e5	1.270	NO	42.26	42.25	20.68	20.68
	128 PCB-156	1.04e4	5.98e5	1.150	NO	48.35	48.35	29.45	29.45
	127 PCB-167	4.27e3	6.39e5	1.288	NO	47.03	47.03	11.53	11.53
	126 PCB-128/162	1.43e4	6.21e5	1.245	NO	46.61	46.61	48.57	48.57
	123 PCB-129	3.29e3	5.56e5	1.417	NO	45.51	45.51	12.99	12.99
	122 PCB-158/160	1.28e4	5.56e5	1.117	NO	45.26	45.25	35.22	35.22
	121 PCB-138/163/164	1.42e5	5.56e5	1.210	NO	45.02	45.02	373.9	373.9
	120 PCB-130	6.57e3	5.38e5	1.285	NO	44.62	44.64	26.13	26.13
	119 PCB-137	3.64e3	5.38e5	1.131	NO	44.51	44.53	12.34	12.34
	129 PCB-157	1.81e3	5.90e5	0.855	YES	48.66	48.64	0.0000	4.705

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

Total Hepta-PCBs

	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
	134 PCB-176	5.98e3	5.12e5	1.110	NO	44.71	44.73	18.10	18.10
	133 PCB-179	2.08e4	5.12e5	1.035	NO	44.24	44.24	62.25	62.25
	152 PCB-190	7.25e3	2.59e5	1.352	YES	51.53	51.56	0.0000	23.77
	151 PCB-170	2.03e4	2.59e5	0.988	NO	51.35	51.35	103.2	103.2
	150 PCB-191	1.30e3	3.02e5	1.221	YES	50.15	50.15	0.0000	4.527
	149 PCB-193	3.82e3	3.02e5	0.960	NO	49.91	49.89	14.75	14.75
	148 PCB-180	5.61e4	3.02e5	1.015	NO	49.68	49.68	252.5	252.5
	146 PCB-172	4.04e3	3.02e5	0.961	NO	49.28	49.26	18.35	18.35
	145 PCB-173	4.87e2	3.02e5	1.444	YES	48.80	48.77	0.0000	2.126
	144 PCB-171	7.15e3	3.02e5	1.077	NO	48.36	48.37	34.22	34.22
	143 PCB-177	1.58e4	3.02e5	0.989	NO	48.07	48.07	75.71	75.71
	141 PCB-174	2.82e4	3.02e5	1.034	NO	47.79	47.78	137.5	137.5
	140 PCB-185	3.35e3	3.02e5	1.023	NO	47.42	47.41	15.09	15.09
	139 PCB-183	1.78e4	5.12e5	1.050	NO	46.72	46.74	65.43	65.43
	138 PCB-182/187	4.14e4	5.12e5	1.102	NO	46.38	46.38	151.4	151.4
	137 PCB-175	1.13e3	5.12e5	0.832	YES	46.19	46.23	0.0000	4.133
	136 PCB-178	6.79e3	5.12e5	1.079	NO	45.83	45.87	28.72	28.72
	153 PCB-189	8.37e2	2.69e5	1.246	YES	53.09	53.09	0.0000	3.837

4th Function Octa-PCBs

	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
1	161 PCB-196/203	7.29e3	3.45e5	0.852	NO	52.48	52.48	48.34	48.34
2	160 PCB-199	6.72e3	3.45e5	0.814	NO	52.17	52.18	49.53	49.53
3	158 PCB-200	1.48e3	3.45e5	0.850	NO	50.50	50.47	8.053	8.053
4	157 PCB-197	7.84e2	3.45e5	1.387	YES	49.55	49.55	0.0000	3.301
5	155 PCB-201	1.76e3	3.45e5	1.395	YES	49.09	49.07	0.0000	7.889
6	154 PCB-202	2.38e3	3.45e5	0.941	NO	48.60	48.58	12.08	12.08

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

Last Altered: Thursday, October 31, 2019 14:17:34 Pacific Daylight Time
 Printed: Thursday, October 31, 2019 14:24:09 Pacific Daylight Time

Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
164	PCB-205	5.88e2	3.01e5	0.969	NO	54.98	54.99	2.511	2.511
163	PCB-194	8.48e3	3.01e5	0.810	NO	54.72	54.71	43.86	43.86
162	PCB-195	3.63e3	3.01e5	0.911	NO	53.80	53.79	21.01	21.01

Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
167	PCB-206	3.15e3	2.18e5	1.256	NO	56.25	56.25	26.26	26.26
166	PCB-207	7.56e2	3.47e5	1.342	NO	54.27	54.27	4.292	4.292
165	PCB-208	1.52e3	3.47e5	1.078	YES	53.95	53.94	0.0000	7.645

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
168	PCB-209	3.24e3	2.13e5	1.023	NO	57.48	57.49	29.05	29.05

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC

Total Mono-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC

Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC

2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

Last Altered: Thursday, October 31, 2019 14:17:34 Pacific Daylight Time
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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

3rd Function Tri-Isotopes

	Name	Area	IS Area	RA	YN	Pred. RT	RT	Conc	EMPC
	177 13C-PCB-37	1.11e6	1.16e6	0.958	NO	32.73	32.78	1797	
	176 13C-PCB-28	1.08e6	1.16e6	0.941	NO	28.75	28.74	1566	
	214 13C-PCB-31	1.16e6	1.16e6	0.929	NO	28.64	28.64	1797	

Tetra-Isotopes

	Name	Area	IS Area	RA	YN	Pred. RT	RT	Conc	EMPC
	178 13C-PCB-54	7.92e5	8.80e5	0.749	NO	27.60	27.58	1473	
	220 13C-PCB-79	9.02e5	8.80e5	0.755	NO	37.76	37.76	1785	
	215 13C-PCB-60	8.80e5	8.80e5	0.761	NO	36.66	36.67	1797	
	182 13C-PCB-80	8.82e5	8.80e5	0.748	NO	35.83	35.83	1722	
	181 13C-PCB-70	8.44e5	8.80e5	0.771	NO	35.40	35.38	1711	
	180 13C-PCB-47	7.01e5	8.80e5	0.769	NO	31.77	31.77	1603	
	179 13C-PCB-52	6.53e5	8.80e5	0.750	NO	31.26	31.25	1579	
	184 13C-PCB-77	8.83e5	8.80e5	0.775	NO	39.64	39.64	1882	
	183 13C-PCB-81	9.20e5	8.80e5	0.761	NO	39.03	39.03	1907	

3rd Function Penta-Isotopes

	Name	Area	IS Area	RA	YN	Pred. RT	RT	Conc	EMPC
	185 13C-PCB-104	6.15e5	6.33e5	1.633	NO	32.44	32.46	1591	
	188 13C-PCB-97	4.46e5	6.33e5	1.620	NO	38.79	38.79	1783	
	187 13C-PCB-101	4.80e5	6.33e5	1.614	NO	37.44	37.45	1674	
	186 13C-PCB-95	4.91e5	6.33e5	1.594	NO	35.69	35.70	1635	
	190 13C-PCB-118	6.02e5	6.33e5	1.649	NO	41.61	41.62	1752	
	189 13C-PCB-123	5.92e5	6.33e5	1.593	NO	41.43	41.43	1823	
	216 13C-PCB-111	6.33e5	6.33e5	1.599	NO	39.22	39.23	1797	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-8.qld

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4th Function Penta-Isotopes

	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
	194 13C-PCB-126	7.32e5	4.50e5	1.531	NO	45.48	45.49	2023	
	193 13C-PCB-127	8.43e5	4.50e5	1.529	NO	43.51	43.54	2077	
	192 13C-PCB-105	8.18e5	4.50e5	1.517	NO	43.17	43.18	2062	
	191 13C-PCB-114	8.10e5	4.50e5	1.542	NO	42.28	42.29	2129	

4th Function Hexa-Isotopes

	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
	200 13C-PCB-167	6.39e5	4.50e5	1.250	NO	47.00	47.01	1791	
	217 13C-PCB-128	4.50e5	4.50e5	1.243	NO	46.58	46.57	1797	
	199 13C-PCB-159	6.21e5	4.50e5	1.247	NO	46.28	46.31	1729	
	198 13C-PCB-138	5.56e5	4.50e5	1.254	NO	44.97	44.98	1880	
	197 13C-PCB-141	5.38e5	4.50e5	1.287	NO	44.09	44.11	1878	
	196 13C-PCB-153	6.70e5	4.50e5	1.250	NO	43.34	43.35	1879	
	203 13C-PCB-169	5.30e5	4.50e5	1.260	NO	50.87	50.89	1572	
	202 13C-PCB-157	5.90e5	4.50e5	1.252	NO	48.60	48.62	1675	
	201 13C-PCB-156	5.98e5	4.50e5	1.247	NO	48.30	48.33	1708	

5th Function Octa-Isotopes

	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
	219 13C-PCB-205	3.78e5	3.78e5	0.899	NO	54.98	54.98	1797	
	209 13C-PCB-194	3.01e5	3.78e5	0.906	NO	54.71	54.70	2004	

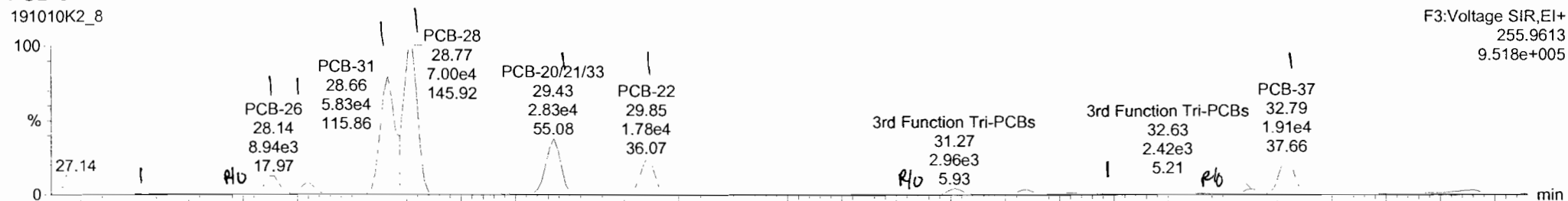
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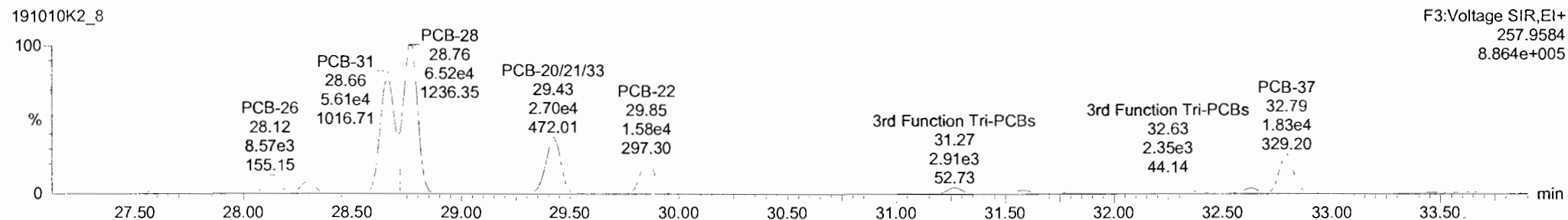
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PCB-34

191010K2_8

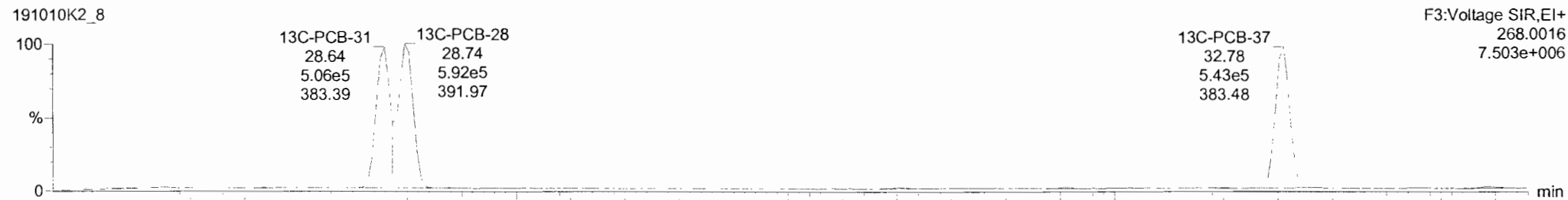


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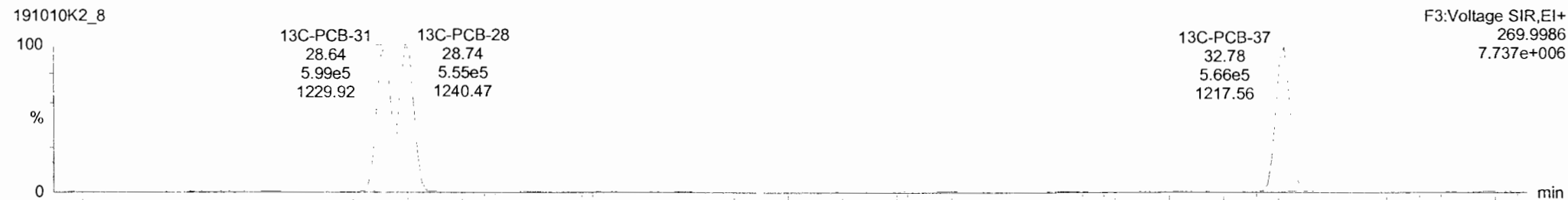


13C-PCB-28

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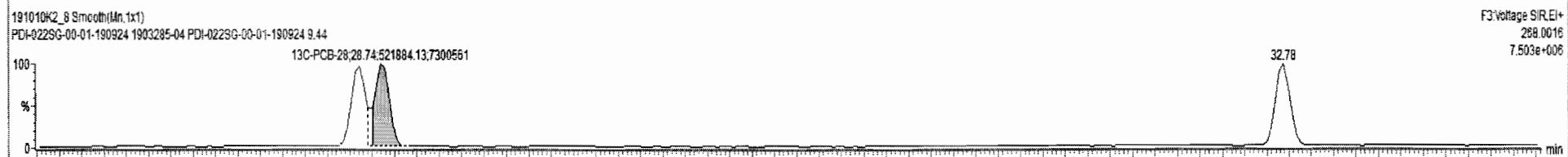
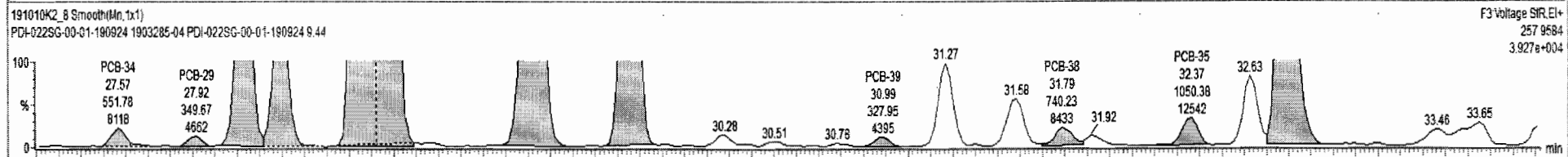
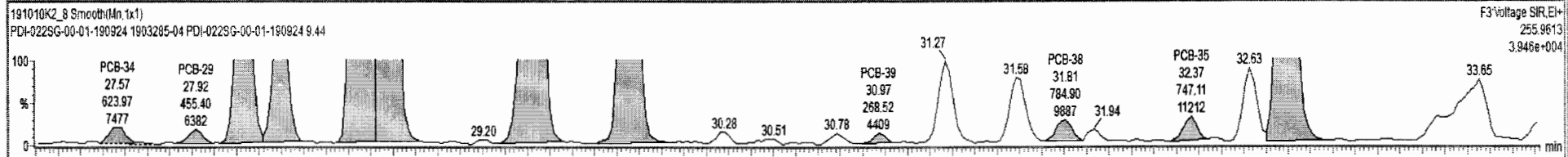


191010K2_8



191010K2_8 - 1903285_04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs					5.565	0.00	0.000			NO				
225	Total Di-PCBs					5.565	0.00	0.000			NO				
226	2nd Function Tri-PCBs					5.565	0.00	0.000			NO				
227	3rd Function Tri-PCBs				1.0563	5.565	0.00	0.000			NO	628.9		23.2	631.0
228	Total Tetra-PCBs				0.9861	5.565	0.00	0.000			NO	2275		12.6	2287
229	3rd Function Penta-PCBs				1.1154	5.565	0.00	0.000			NO	1988		12.7	2035
230	4th Function Penta-PCBs				1.1112	5.565	0.00	0.000			NO	81.39		1.97	84.11
231	3rd Function Hexa-PCBs				0.7739	5.565	0.00	0.000			NO	707.1		6.63	723.9
232	4th Function Hexa-PCBs				0.9719	5.565	0.00	0.000			NO	1234		10.3	1238
233	Total Hepta-PCBs				1.2636	5.565	0.00	0.000			NO	977.3		10.8	1016
234	4th Function Octa-PCBs				0.8863	5.565	0.00	0.000			NO	118.0		9.55	129.2
235	5th Function Octa-PCBs				1.1967	5.565	0.00	0.000			NO	67.38		2.28	67.38
236	Total Nona-PCBs				0.9446	5.565	0.00	0.000			NO	30.55		2.56	38.20
237	Deca-CB				0.9426	5.565	0.00	0.000			NO	28.05		1.25	28.05
238	Total PCBs														
239	Total Mono-Isotopes														
240	Total Di-Isotopes														

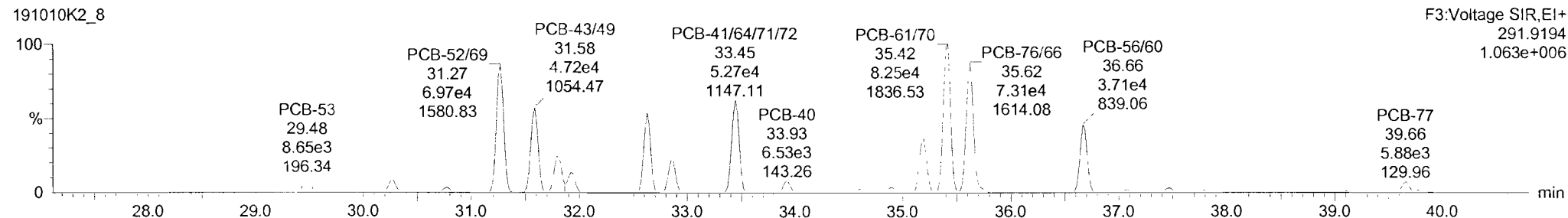
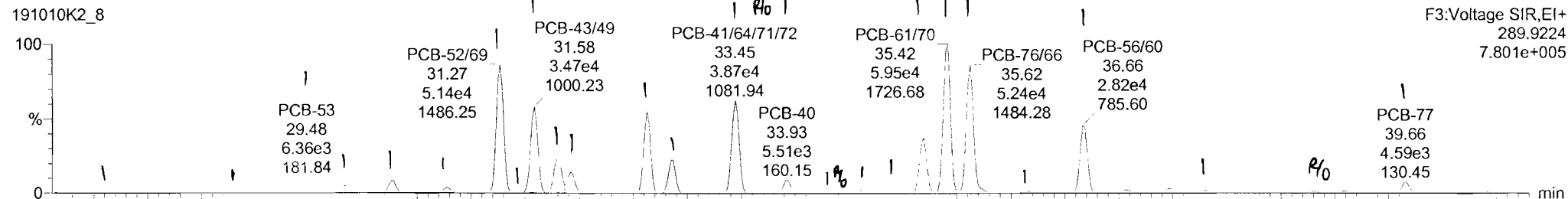


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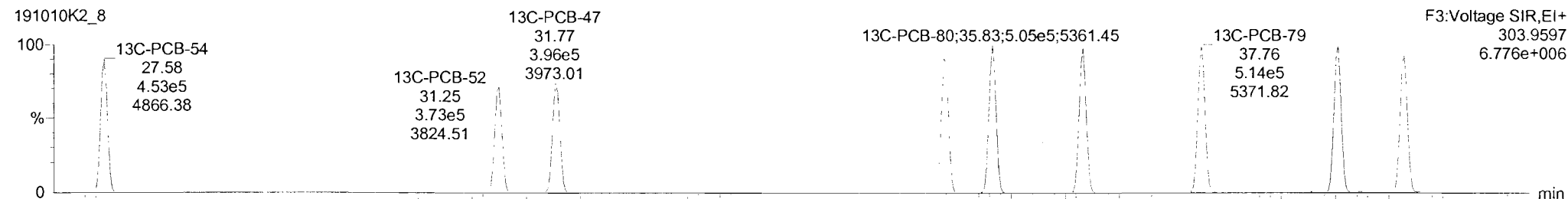
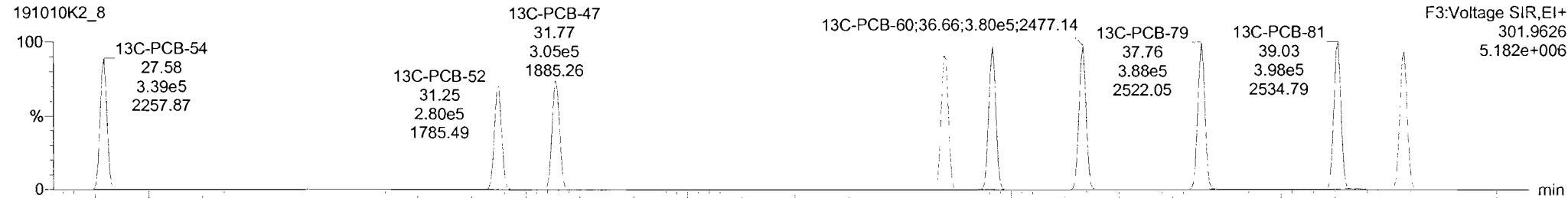
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PCB-54



13C-PCB-54



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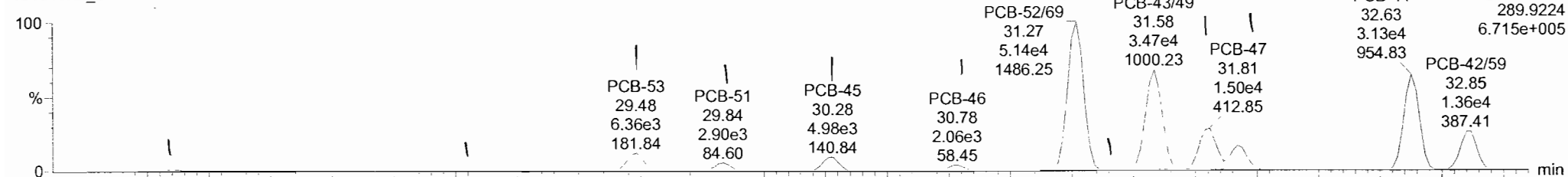
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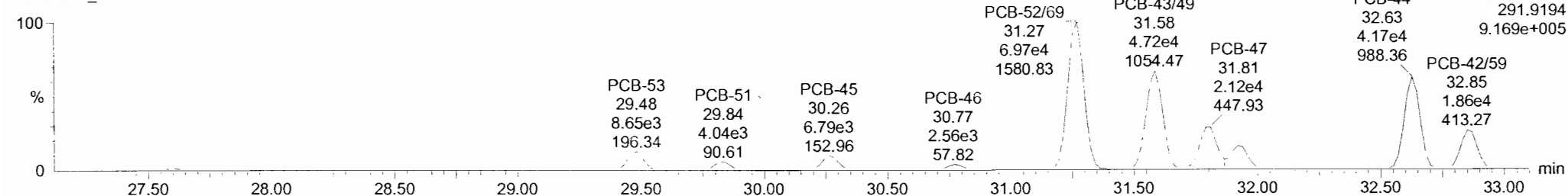
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PCB-50

191010K2_8

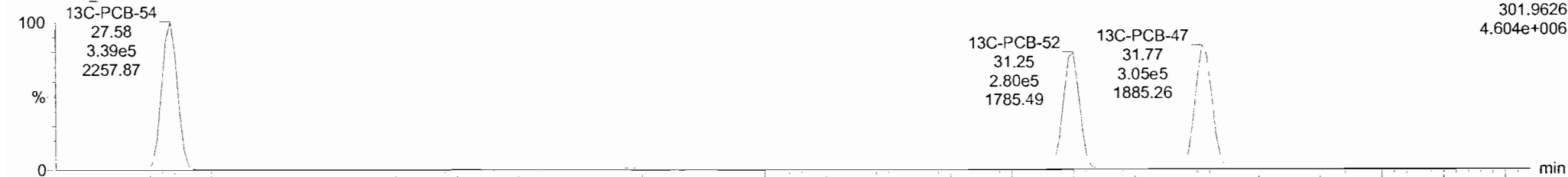


191010K2_8



13C-PCB-52

191010K2_8



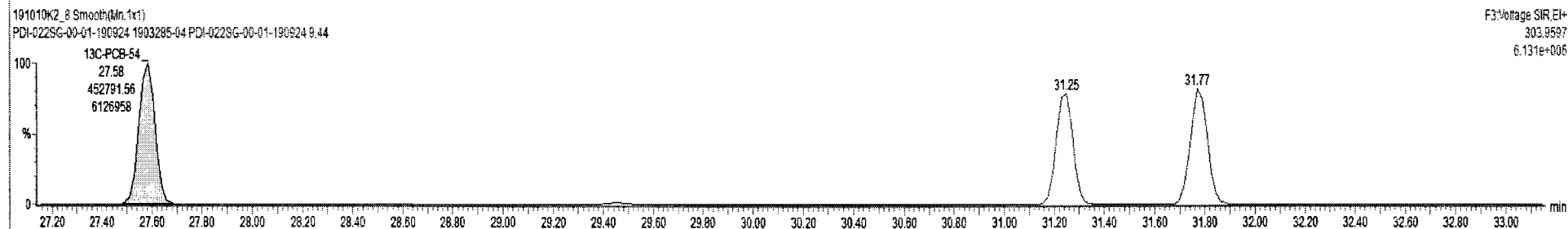
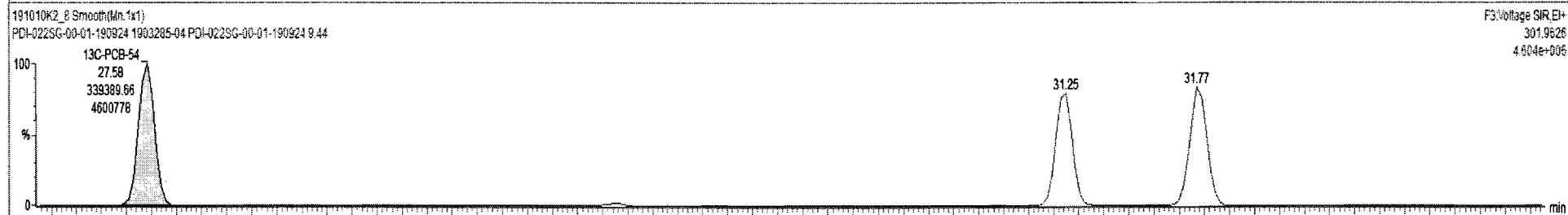
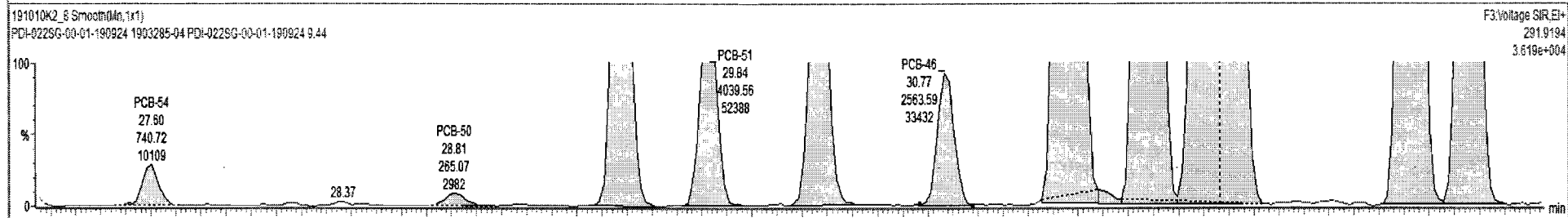
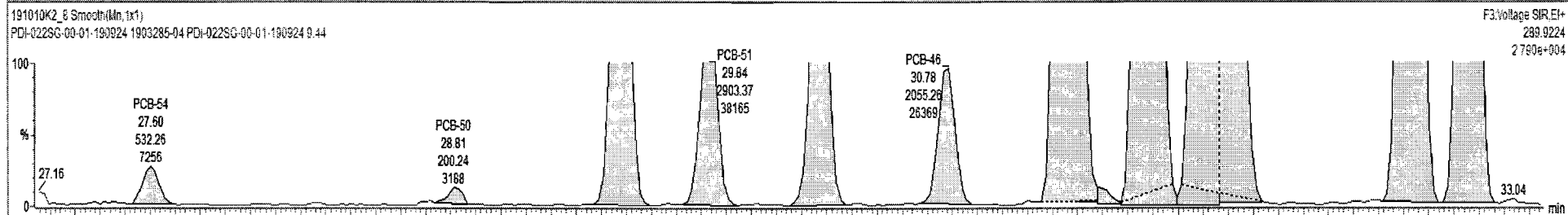
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191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.565	0.00		0.000		NO	592.0	24.1	595.0	
228	228 Total Tetra-PCBs				0.9801	6.565	0.00		0.000		NO	2281	12.6	2288	
229	229 3rd Function Penta-PCBs				1.1154	5.565	0.00		0.000		NO	1988	12.7	2030	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.60	27.60	5.323e2	7.407e2	0.770	0.72	NO	2.9001	2.9001



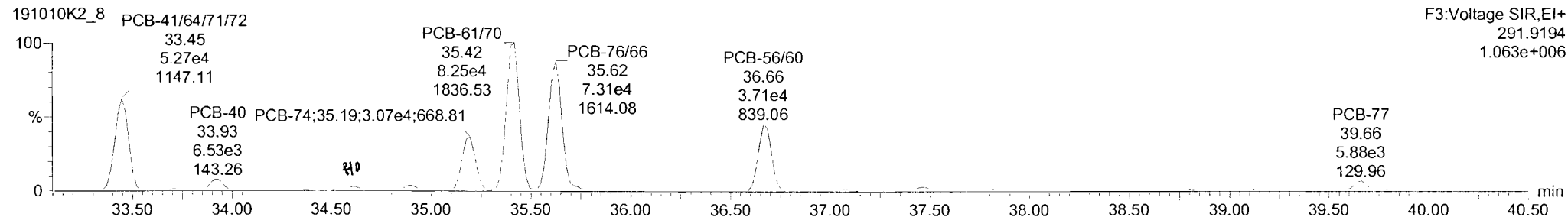
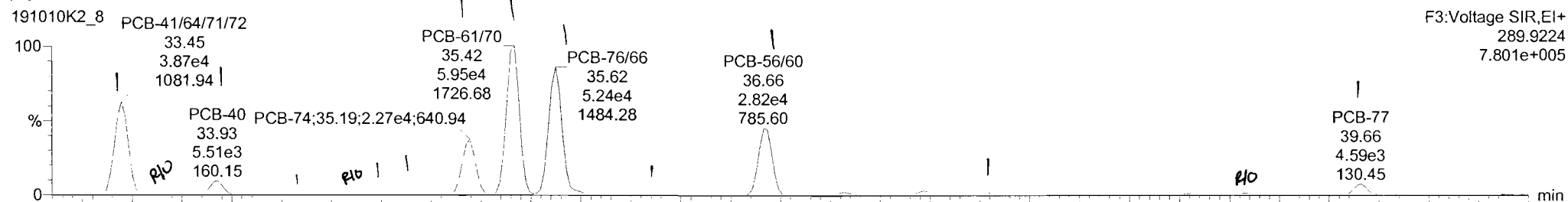
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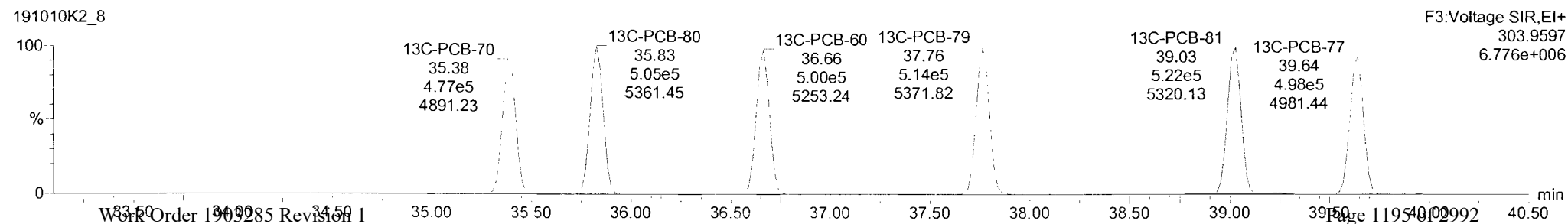
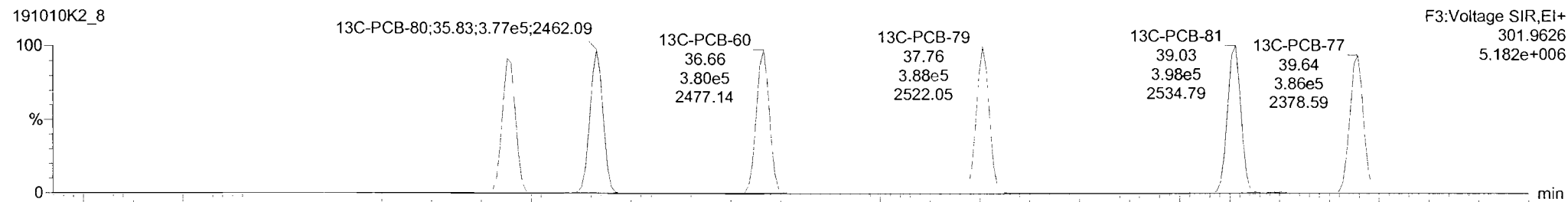
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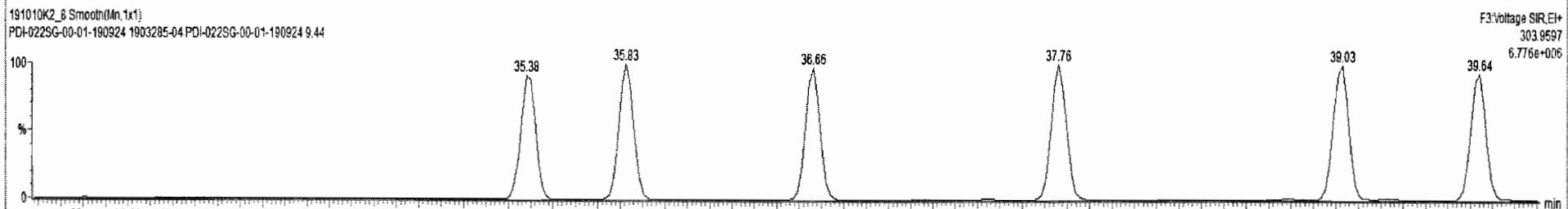
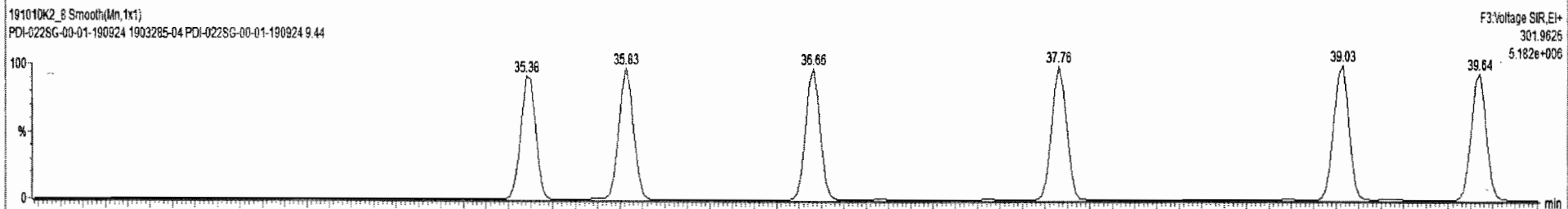
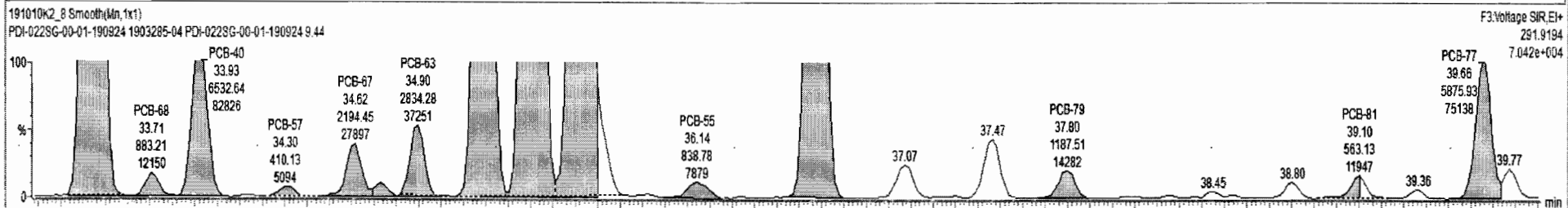
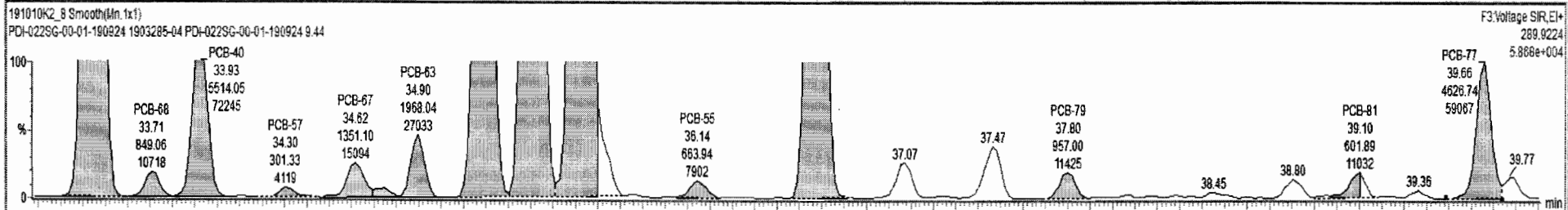
13C-PCB-60



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#	Name	Resp	RA	n/y	RRF	rt/val	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.555	0.00		0.000		NO	626.9		23.2	631.0
228	228 Total Tetra-PCBs				0.8861	5.555	0.00		0.000		NO	2275		12.6	2288
229	229 1st Function Dents, PCBs				1.1154	5.555	0.00		0.000		NO	1488		12.71	2036

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.60	27.60	5.323e2	7.487e2	0.770	0.72	NO	2.9001	2.9001
2	33 PCB-50	28.80	28.81	2.002e2	2.651e2	0.770	0.76	NO	1.3511	1.3511
3	34 PCB-53	29.48	29.48	6.354e3	8.651e3	0.770	0.74	NO	43.279	43.279

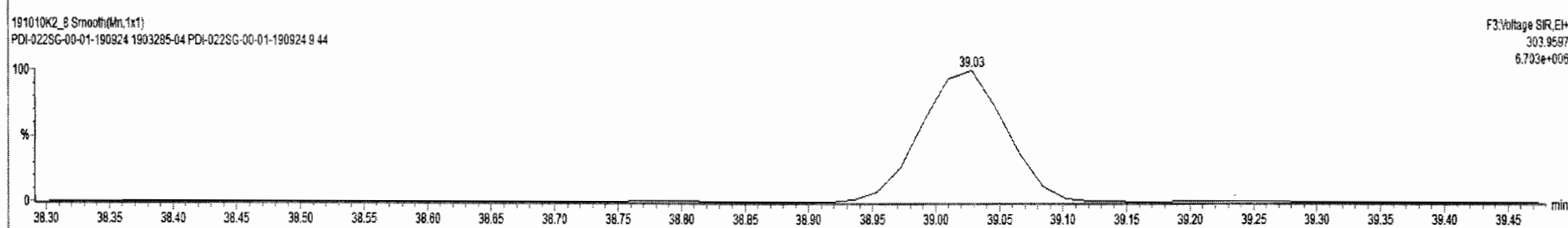
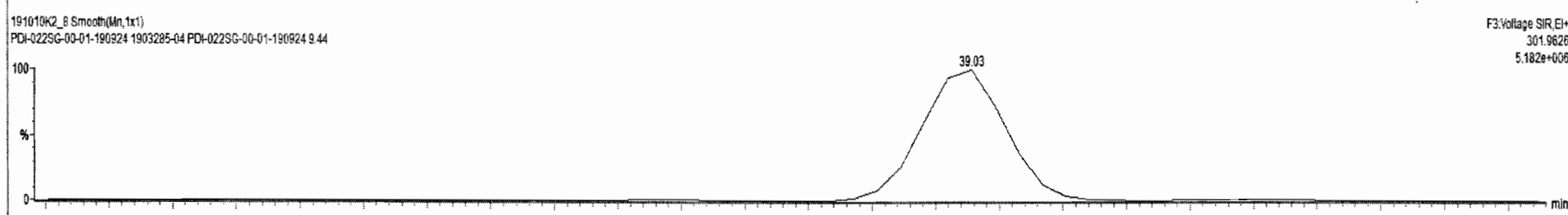
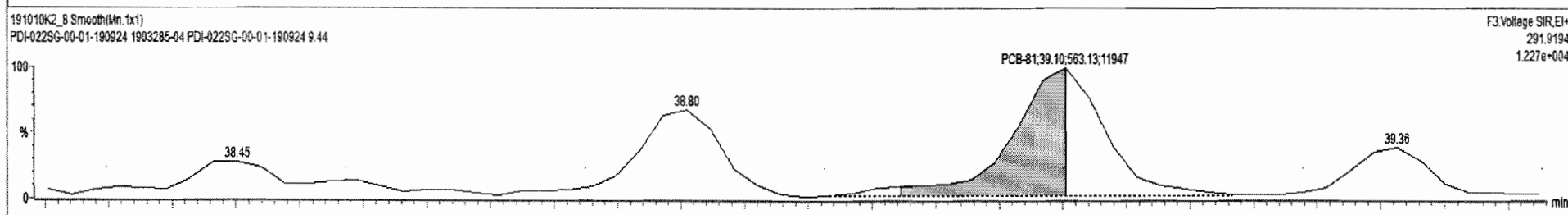
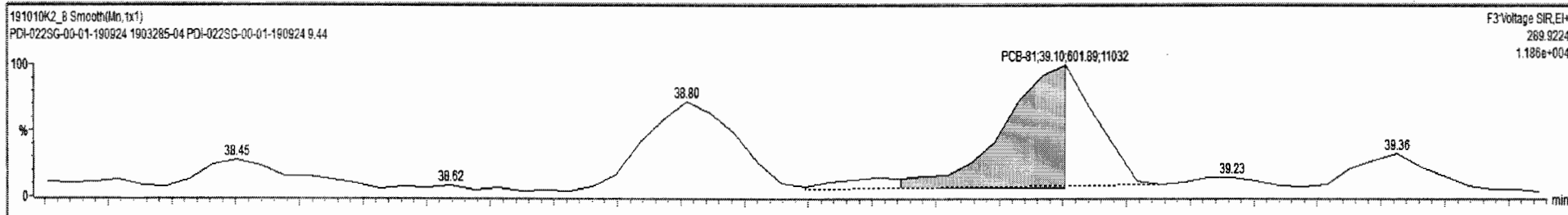




191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.L	RRT	RRT-Fai	Conc	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.565	0.00		0.000		NO	626.9	23.2	631.0	
228	228 Total Tetra-PCBs				0.9861	5.565	0.00		0.800		NO	2275	12.8	2288	
229	229 3rd Function Peeta_Pe				1.1154	5.565	0.00		0.000		NO	1986	17.7	2035	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc
1	32 PCB-54	27.60	27.60	5.323e2	7.407e2	0.770	0.72	NO	2.9901	2.9901
2	33 PCB-50	28.80	28.81	2.002e2	2.651e2	0.770	0.76	NO	1.3511	1.3511
3	34 PCB-53	29.48	29.48	6.364e3	8.651e3	0.770	0.74	NO	43.279	43.279



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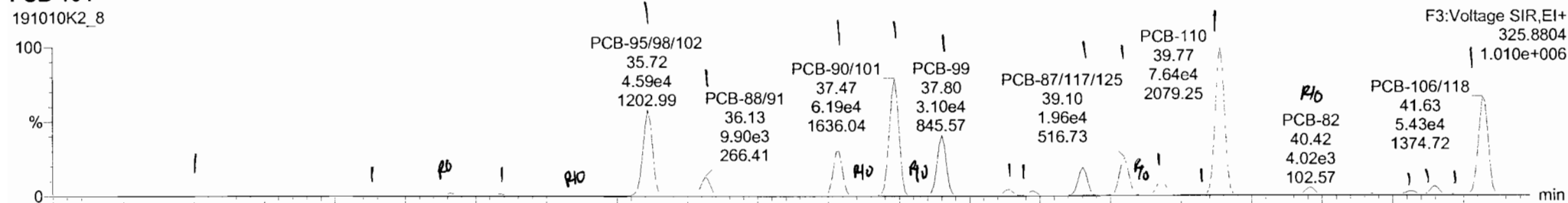
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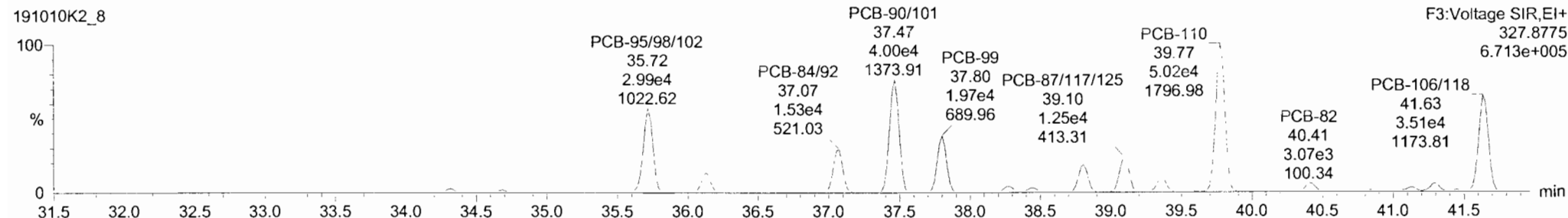
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PCB-104

191010K2_8

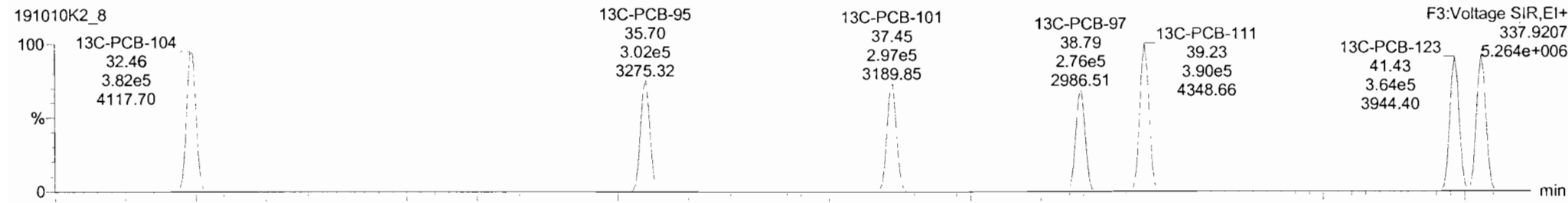


191010K2_8

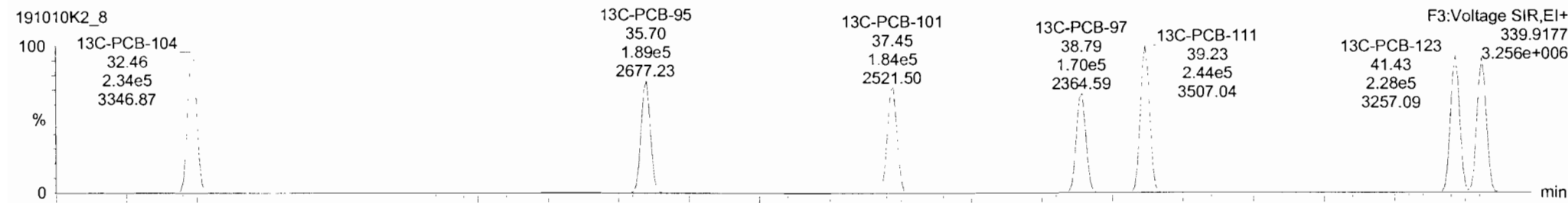


13C-PCB-104

191010K2_8



191010K2_8



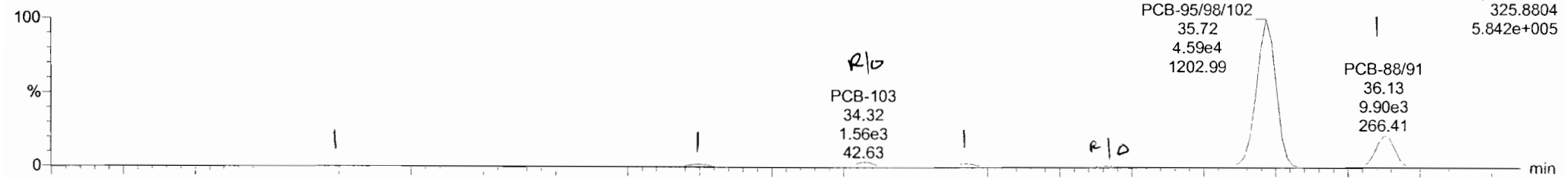
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

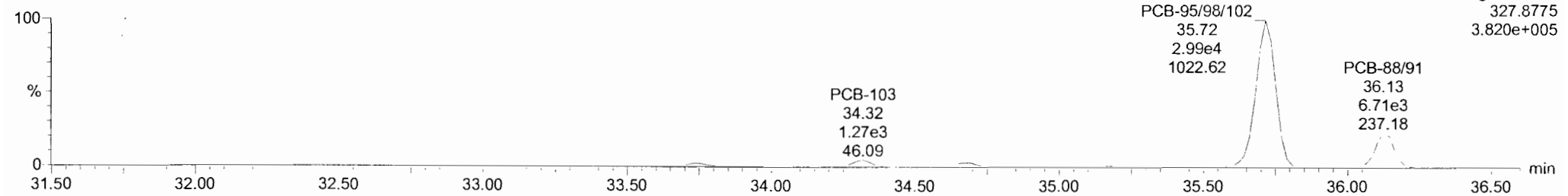
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PCB-96

191010K2_8

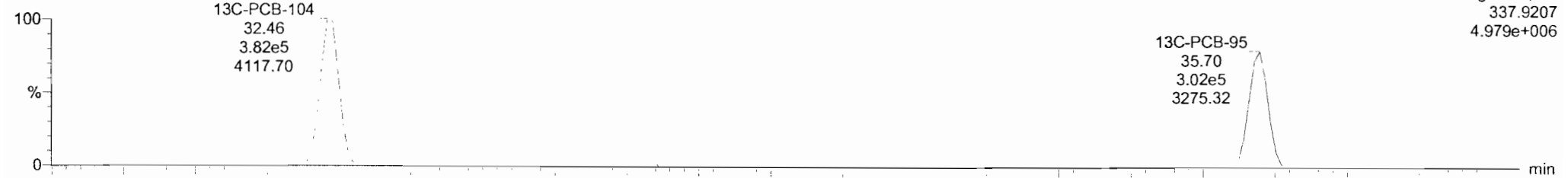


191010K2_8

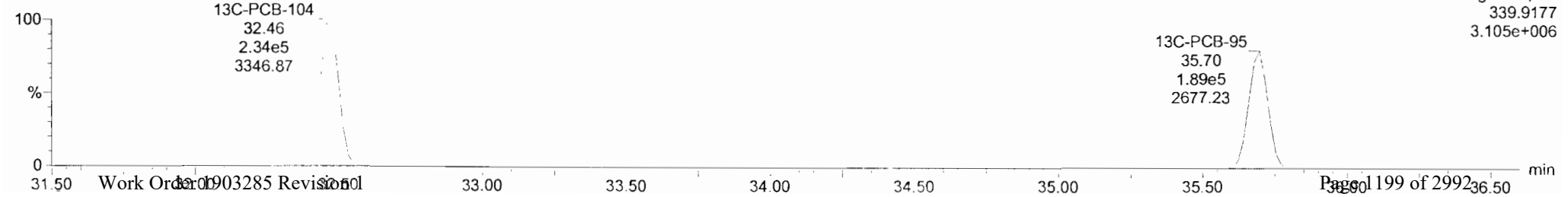


13C-PCB-95

191010K2_8



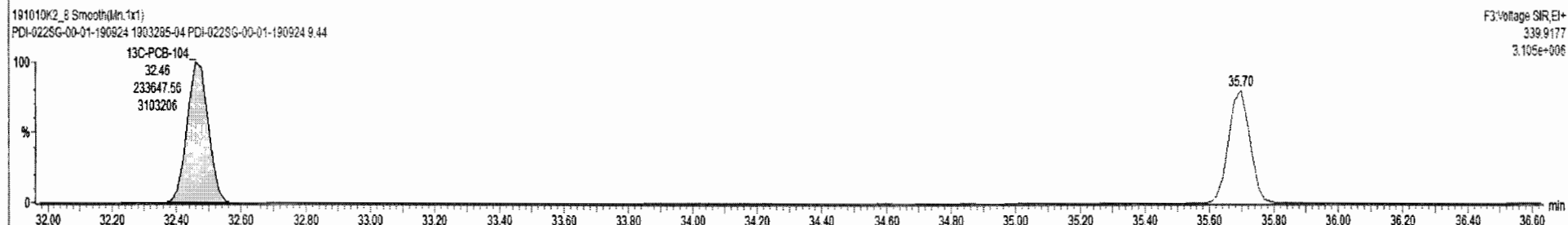
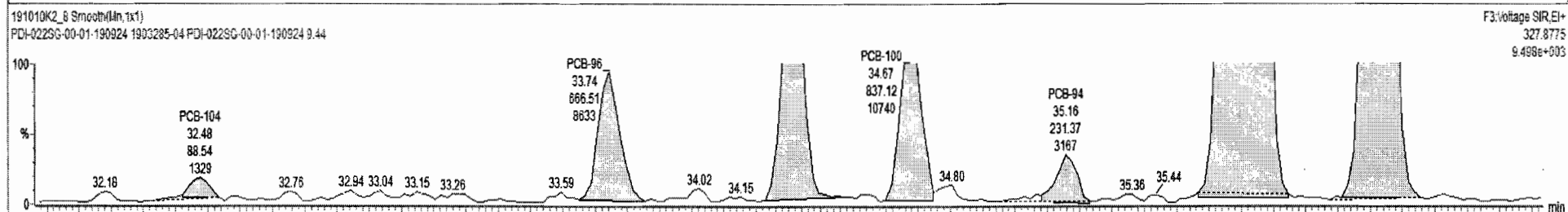
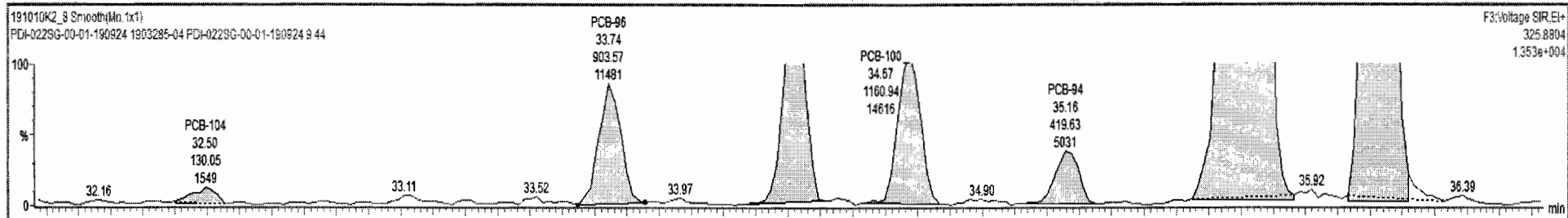
191010K2_8



191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred. RT	RT	Pred. R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.585	0.00		0.000		NO	592.0		24.1	596.0
228	228 Total Tetra-PCBs				0.9861	5.585	0.00		0.000		NO	2275		12.6	2287
779	779 3rd Function Penta-PCBs				1.1154	5.585	0.00		0.000		NO	1984		17.7	2006

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.48	32.50	1.301e2	8.854e1	1.580	1.47	NO	0.64203	0.64203



Dataset: Untitled

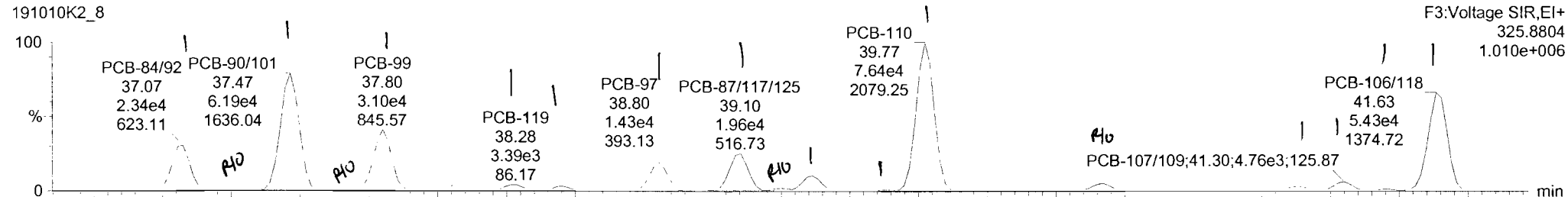
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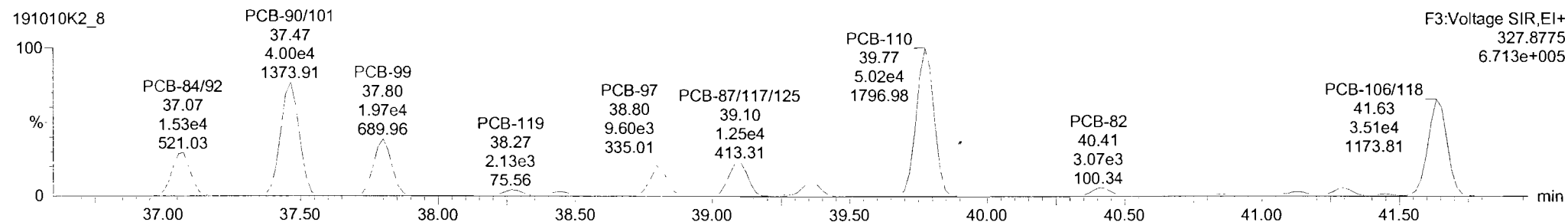
Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

PCB-119

191010K2_8

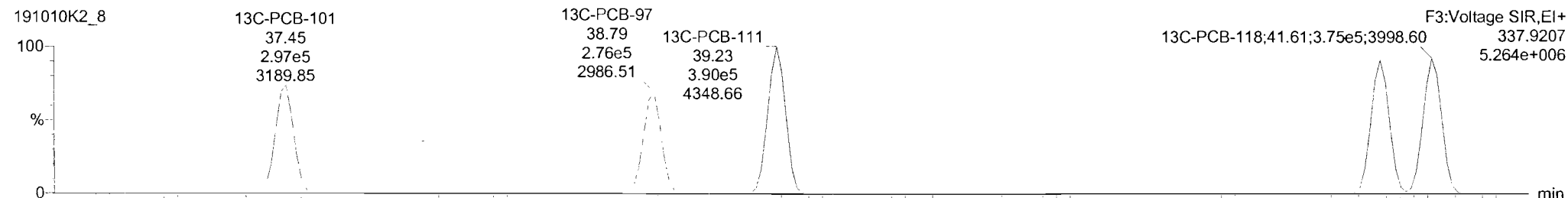


191010K2_8

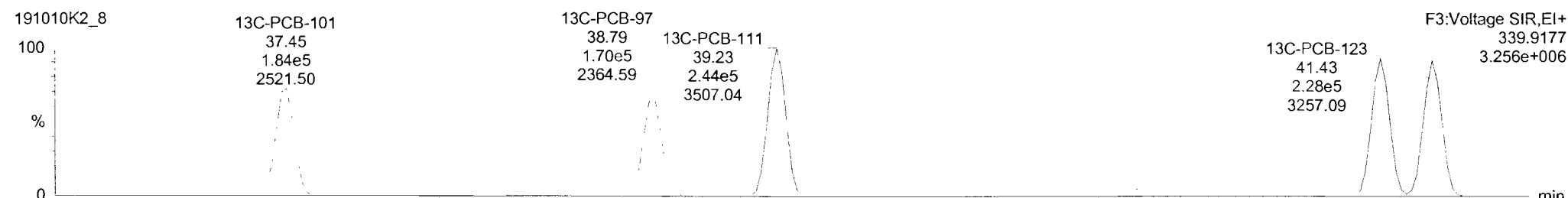


13C-PCB-111

191010K2_8

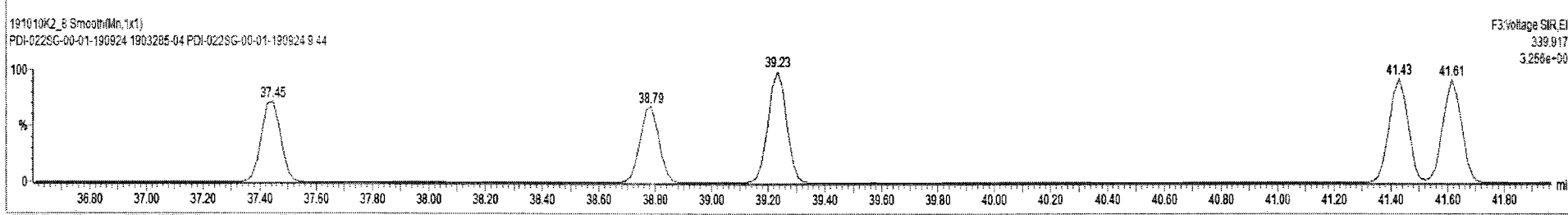
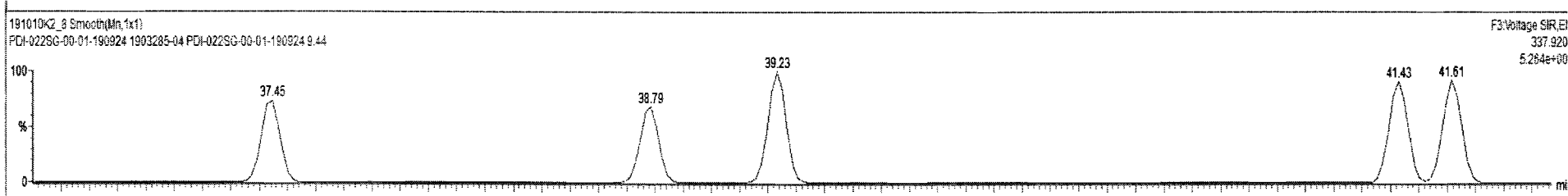
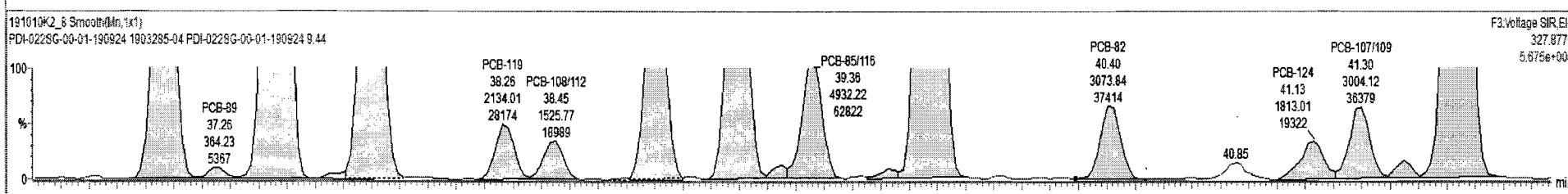
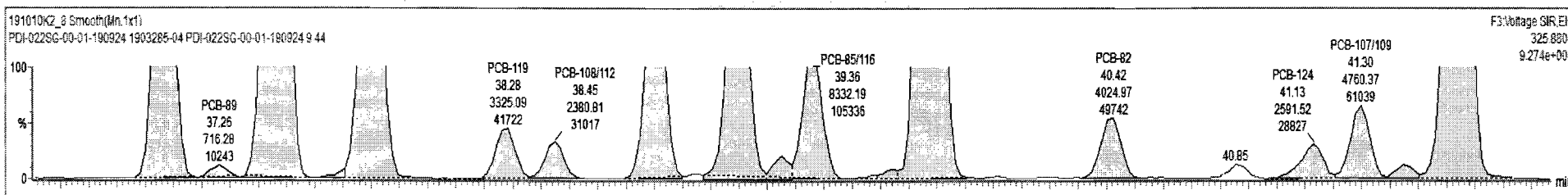


191010K2_8



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.565	0.00		0.000		NO	592.0		24.1	596.0
228	228 Total Tetra-PCBs				0.9861	5.565	0.00		0.000		NO	2275		12.8	2267
229	229 3rd Function Penta-PCBs				1.1154	5.565	0.00		0.000		NO	1666		19.7	2026

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.48	32.50	1.301e2	8.854e1	1.560	1.47	NO	0.84203	0.64203
2	65 PCB-96	33.77	33.74	9.036e2	6.665e2	1.560	1.36	NO	4.6061	4.6061
3	66 PCB-103	34.34	34.32	1.565e3	1.271e3	1.560	1.23	YES	9.6285	0.00000
4	67 PCB-100	34.71	34.67	1.161e3	8.371e2	1.560	1.39	NO	7.5059	7.5059
5	68 PCB-94	35.18	35.16	4.196e2	2.314e2	1.560	1.81	YES	2.3019	0.00000
6	69 PCB-95/98/102	35.65	35.72	4.594e4	3.602e4	1.560	1.53	NO	273.90	273.90
7	71 PCB-88/91	36.13	36.13	9.909e3	6.653e3	1.560	1.48	NO	68.246	68.246



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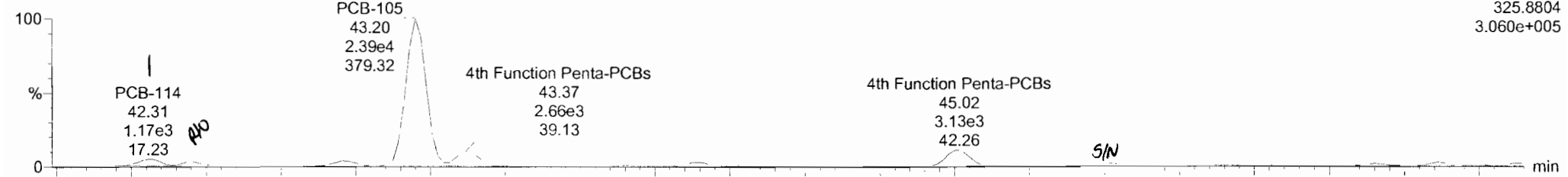
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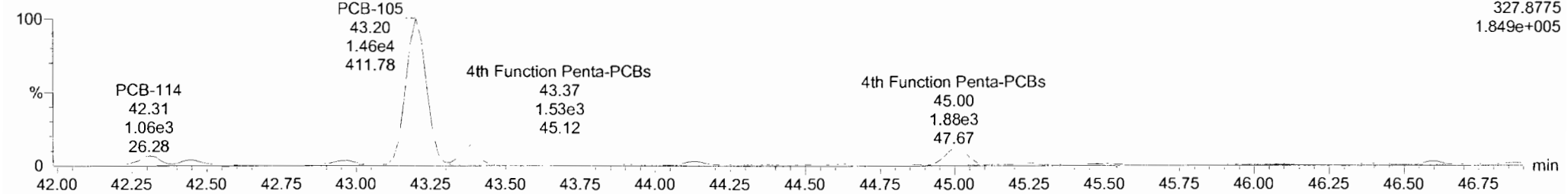
Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

PCB-114

191010K2_8

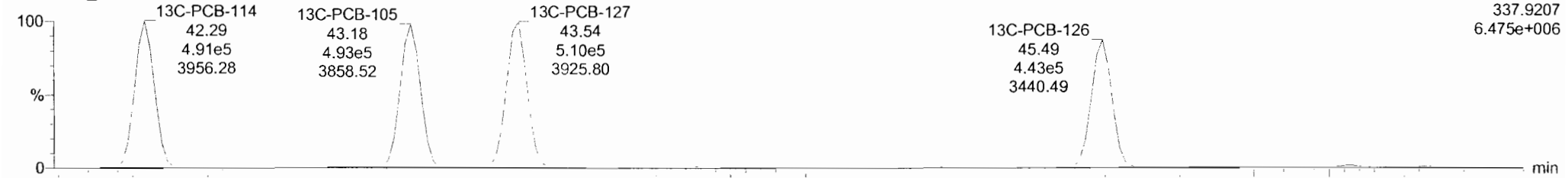


191010K2_8

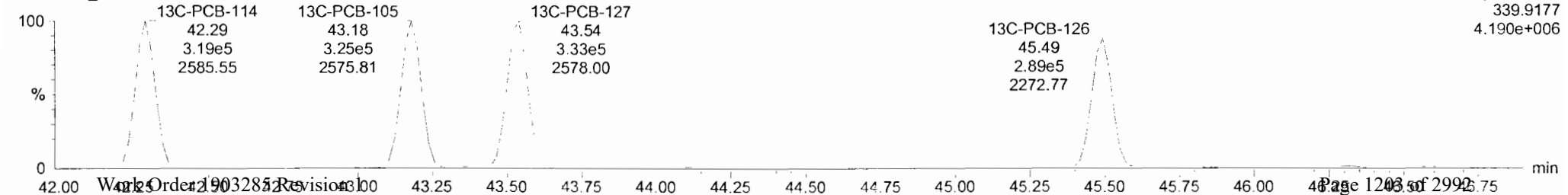


13C-PCB-114

191010K2_8



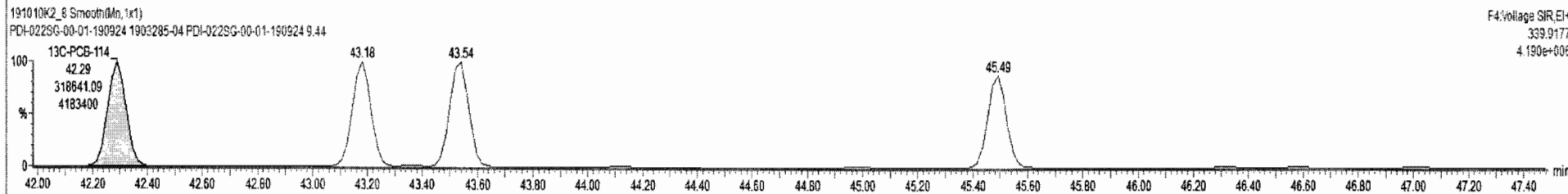
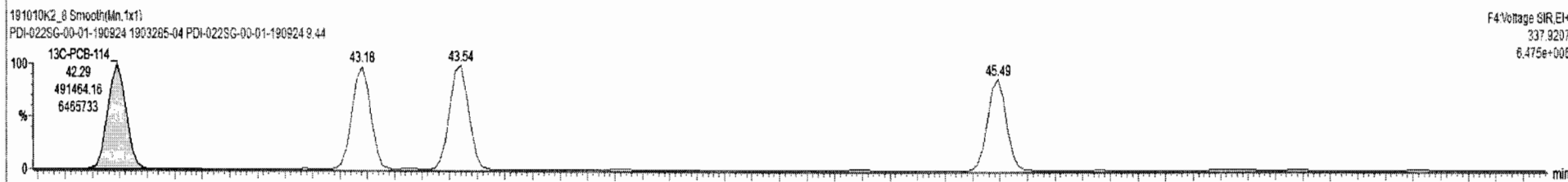
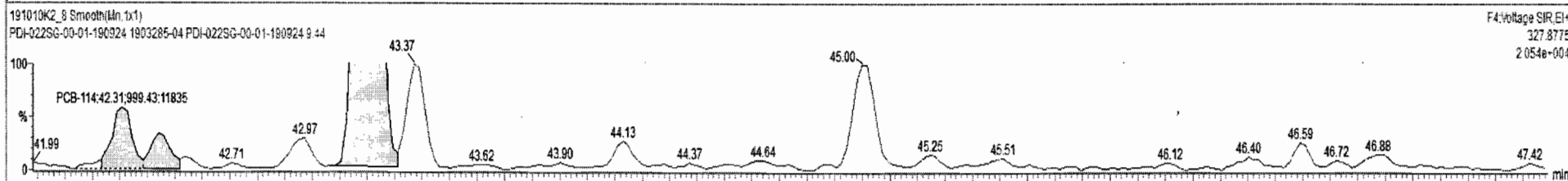
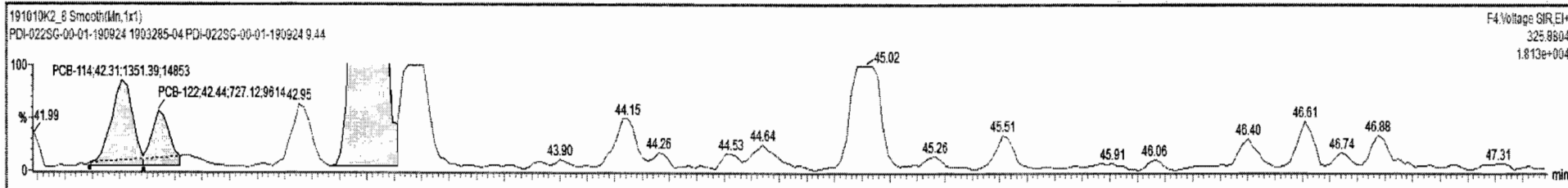
191010K2_8



191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.1112	5.585	0.00		0.000		NO	81.39		1.97	84.11
231	231 3rd Function Hexa-PCBs				0.7739	5.565	0.00		0.000		NO	705.3		6.63	722.3
232	232 4th Function Hexa-PCBs				0.9716	5.585	0.00		0.000		NO	1233		10.31	1233

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	93 PCB-114	42.31	42.31	1.351e3	9.994e2	1.580	1.35	NO	4.4892	4.4892
2	94 PCB-122	42.44	42.44	7.271e2	5.516e2	1.580	1.32	YES	2.7214	0.00000
3	95 PCB-105	43.20	43.20	2.395e4	1.457e4	1.550	1.64	NO	76.902	76.902



Dataset: Untitled

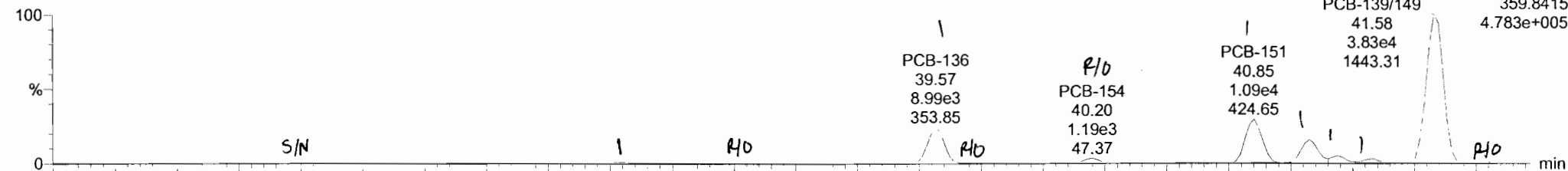
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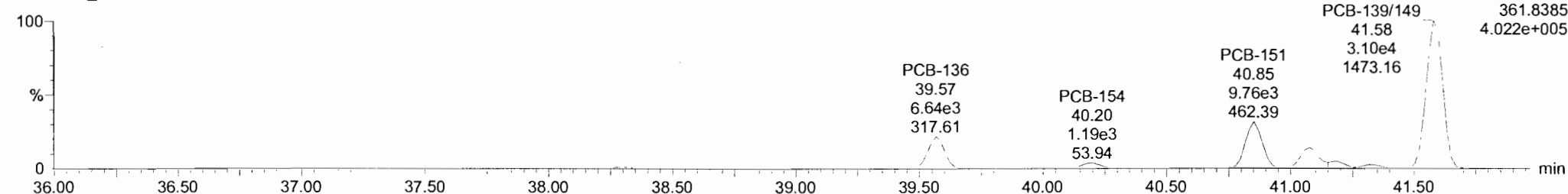
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PCB-155

191010K2_8

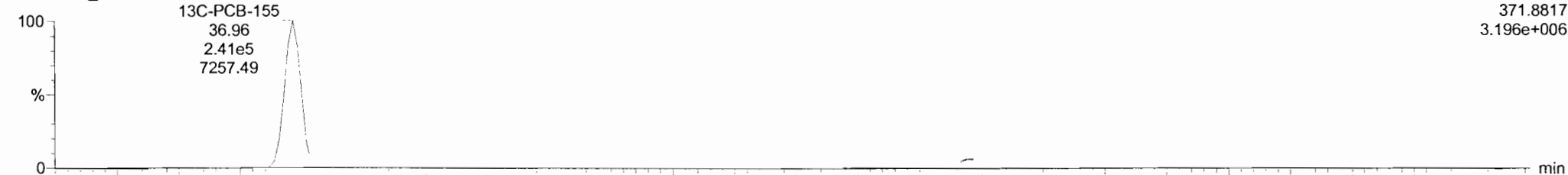


191010K2_8

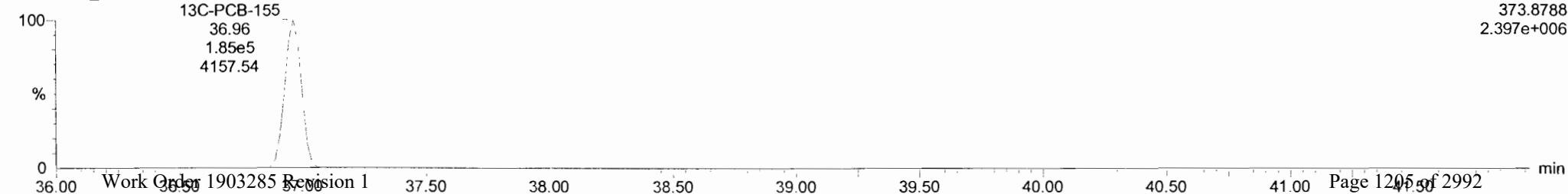


13C-PCB-155

191010K2_8



191010K2_8

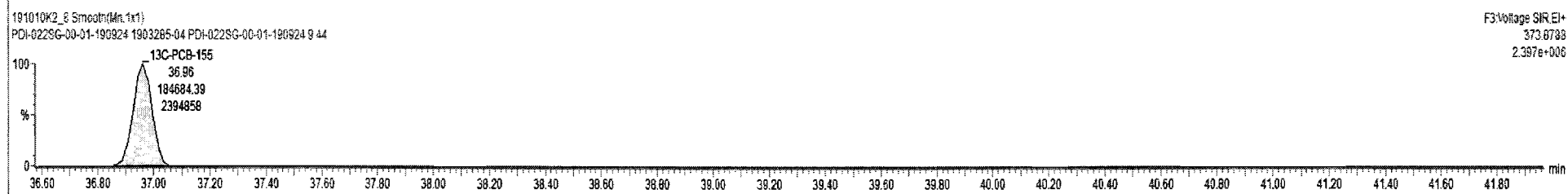
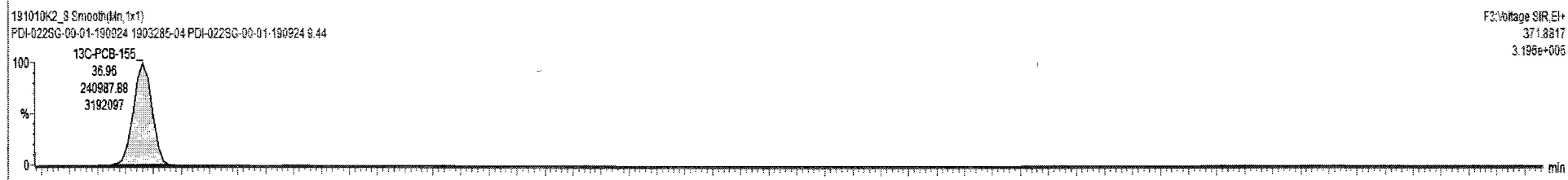
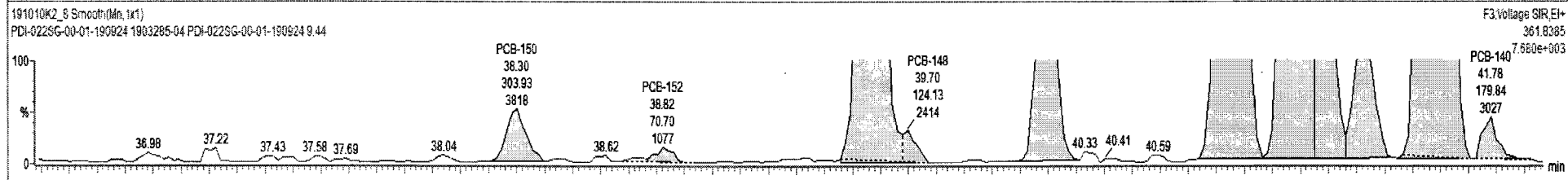
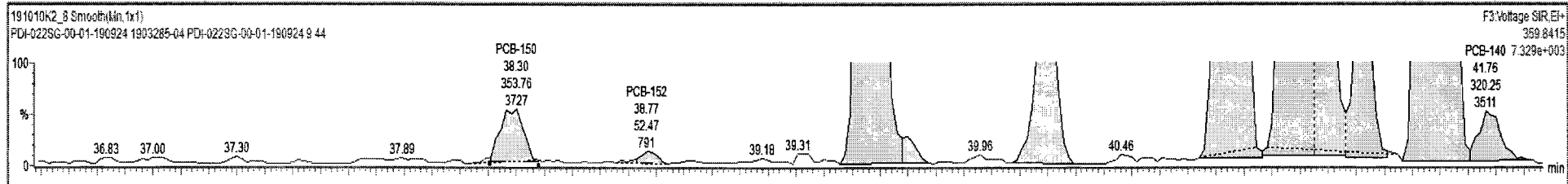




191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.1112	5.565	0.00		0.000		NO	81.39	1.97		84.11
231	3rd Function Hexa-PCBs				0.7739	5.565	0.00		0.000		NO	707.1	6.63		723.9
232	4th Function Hexa-PCBs				0.9719	5.565	0.00		0.000		NO	1233	10.3		1237

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	I ² Ratio (Pred)	RA	nly	EMPC	Conc.
99	PCB-150	38.28	38.30	3.538e2	3.039e2	1.240	1.16	NO	3.1525	3.1525
100	PCB-152	38.77	38.77	5.247e1	7.070e1	1.240	0.74	YES	0.39835	0.06000
102	PCB-136	39.57	39.57	6.990e3	6.679e3	1.240	1.35	NO	78.445	78.445
103	PCB-148	39.68	39.70	9.975e1	1.241e2	1.240	0.80	YES	1.0371	0.00000
104	PCB-154	40.17	40.20	1.188e3	1.188e3	1.240	1.00	YES	12.519	0.00000
105	PCB-151	40.84	40.85	1.098e4	9.757e3	1.240	1.13	NO	138.51	138.51
106	PCB-135	41.07	41.08	5.792e3	4.667e3	1.240	1.24	NO	61.675	61.675
107	PCB-144	41.17	41.19	1.537e3	1.290e3	1.240	1.19	NO	17.903	17.903
108	DRFL-147	41.30	41.34	6.534e2	7.690e2	1.240	1.24	NO	10.987	10.987

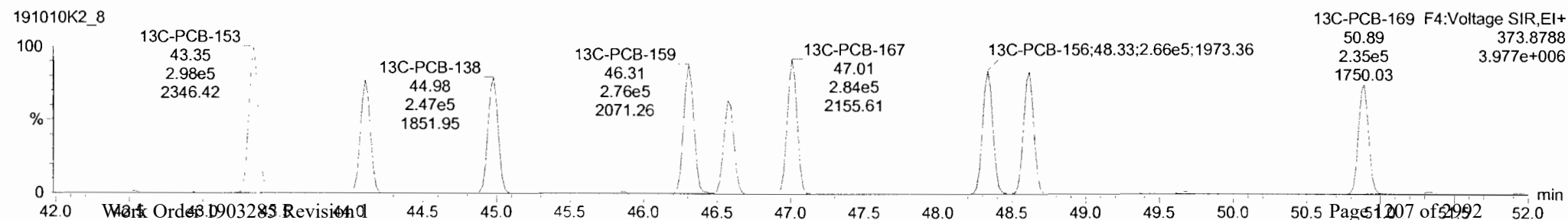
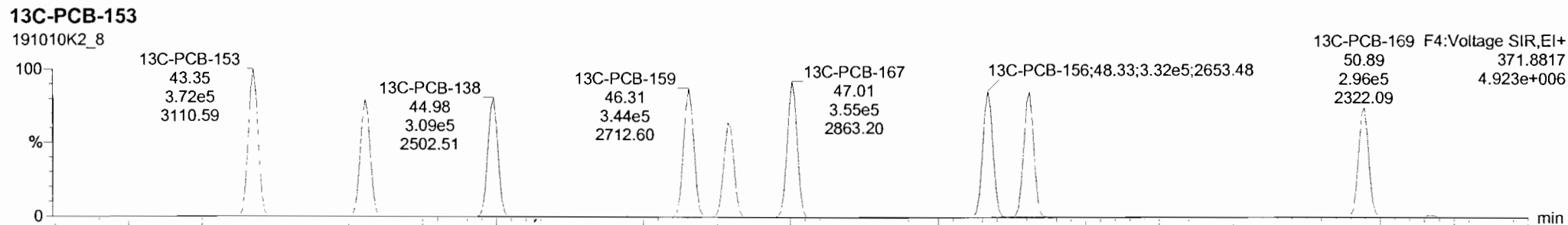
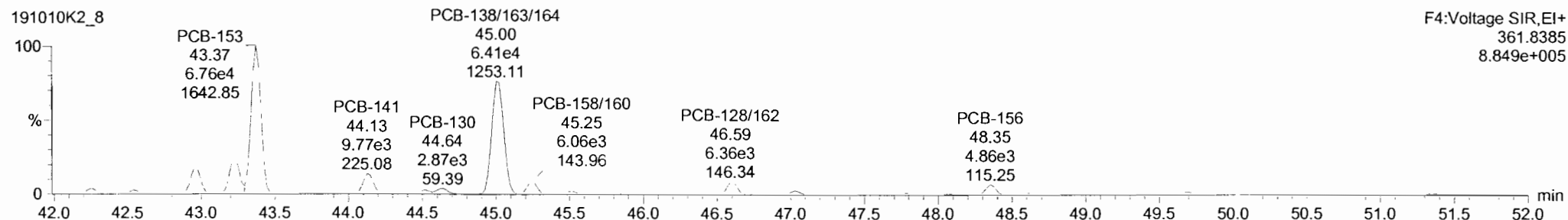
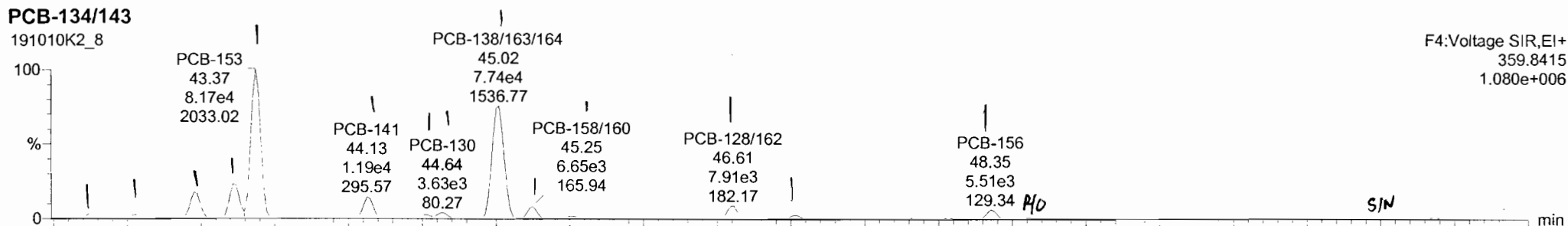


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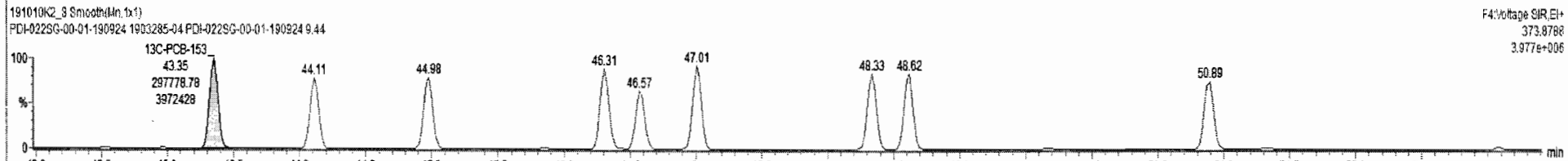
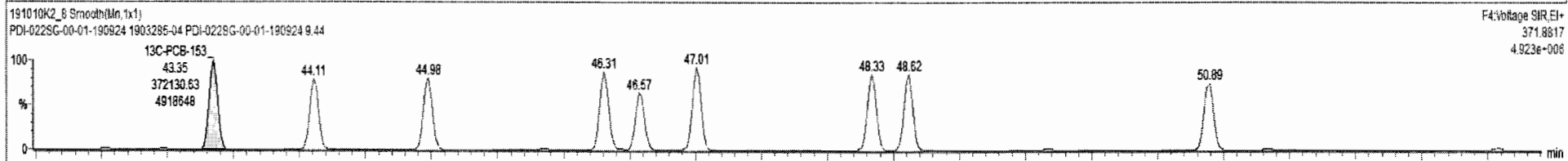
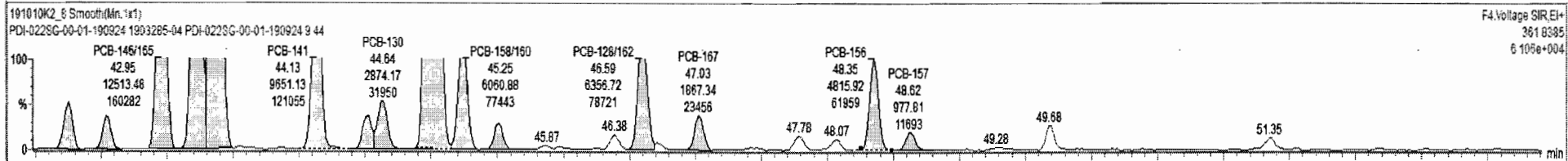
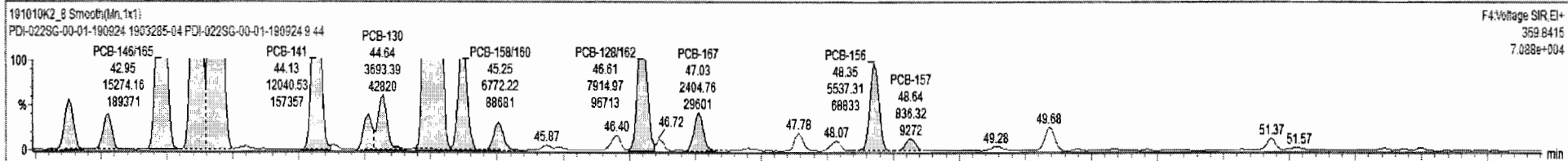
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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
230	230	4th Function Penta-PCBs			1.1112	5.585	0.00		0.000		NO	81.39	0.00	1.97	84.11
231	231	3rd Function Hexa-PCBs			0.7739	5.585	0.00		0.000		NO	707.1		6.63	723.9
232	232	4th Function Hexa-PCBs			0.9718	5.585	0.00		0.000		NO	1234		10.31	1234

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	111 PCB-134/143	42.26	42.25	3.164e3	2.491e3	1.240	1.27	NO	20.685	20.685
2	112 PCB-131/133	42.55	42.56	2.110e3	1.667e3	1.240	1.27	NO	12.822	12.822
3	114 PCB-146/185	42.95	42.95	1.527e4	1.251e4	1.240	1.22	NO	77.689	77.689
4	115 PCB-132/161	43.19	43.22	1.986e4	1.731e4	1.240	1.15	NO	102.32	102.32
5	116 PCB-153	43.37	43.37	8.176e4	6.758e4	1.240	1.21	NO	395.81	395.81
6	118 PCB-141	44.13	44.13	1.204e4	9.651e3	1.240	1.25	NO	74.987	74.987
7	119 PCB-137	44.51	44.53	1.934e3	1.709e3	1.240	1.13	NO	12.338	12.338
8	120 PCB-130	44.62	44.64	3.693e3	2.874e3	1.240	1.28	NO	26.134	26.134
9	121 PCB-138/163/164	45.02	45.02	7.765e4	6.418e4	1.240	1.21	NO	373.94	373.94
10	122 PCB-158/160	45.26	45.25	6.772e3	6.061e3	1.240	1.12	NO	35.224	35.224
11	123 PCB-129	45.51	45.51	1.930e3	1.362e3	1.240	1.42	NO	12.994	12.994



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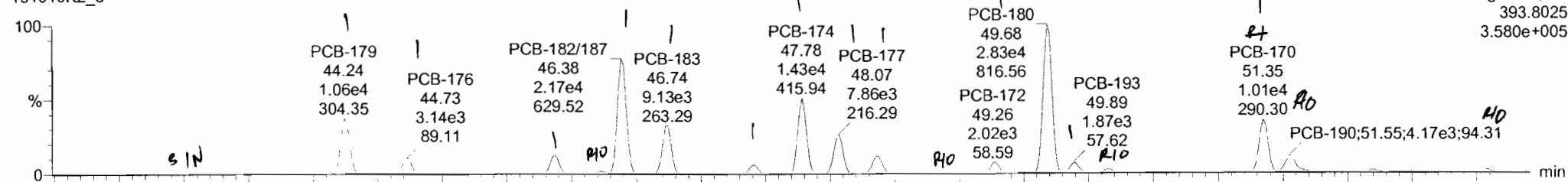
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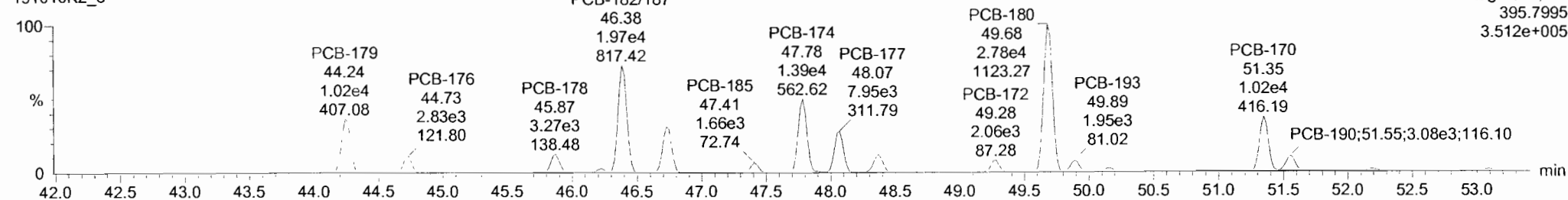
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191010K2_8

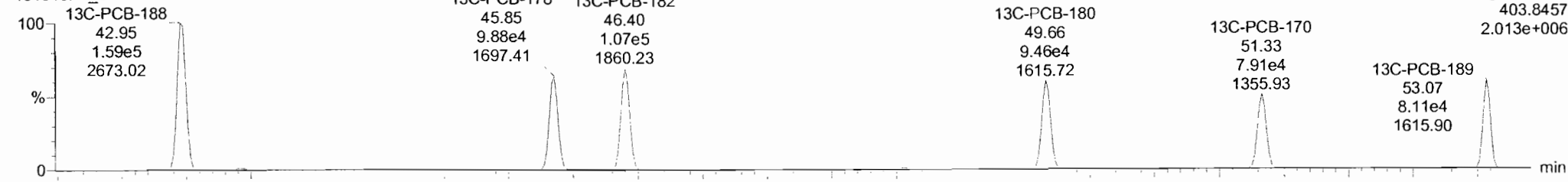


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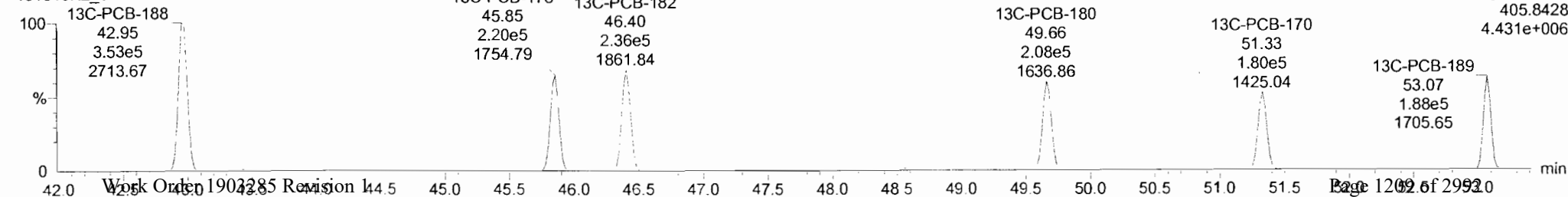


13C-PCB-188

191010K2_8

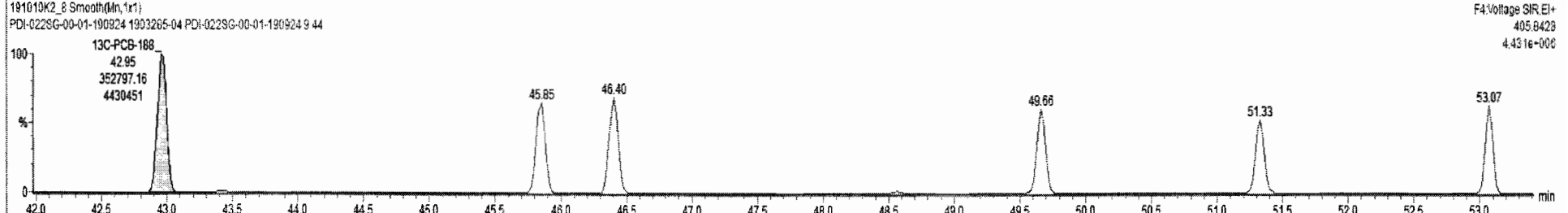
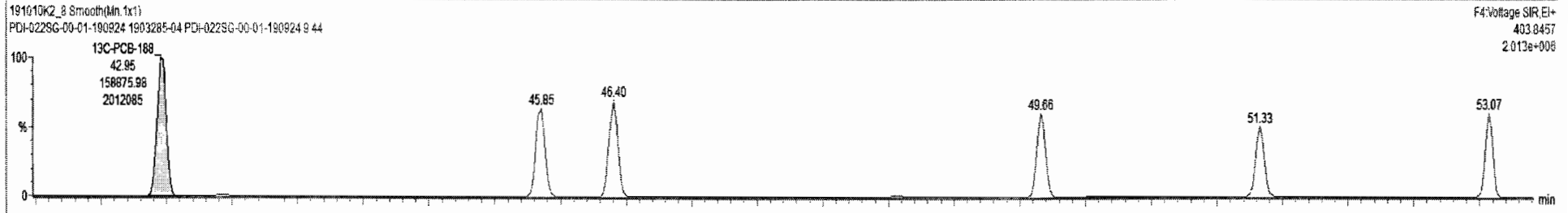
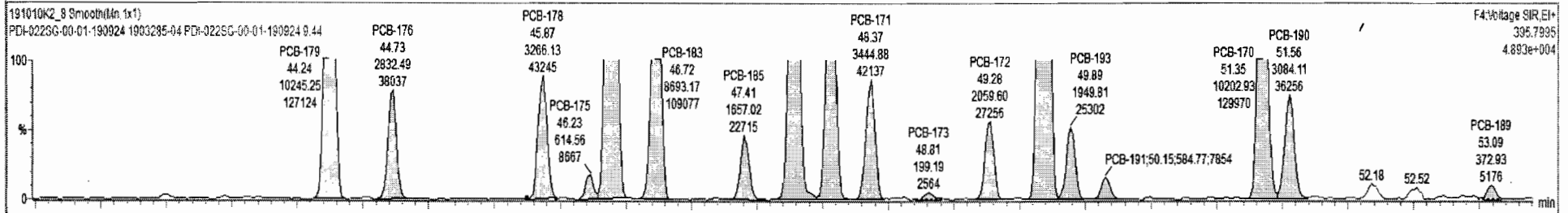
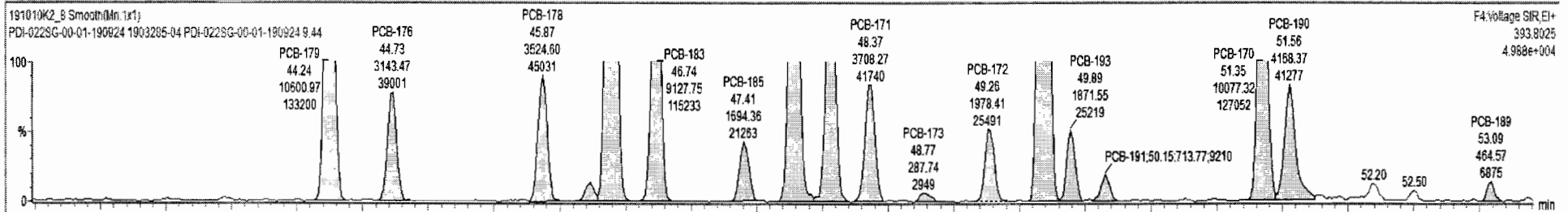


191010K2_8



#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R.	RRT	RRT/Fat	Conc.	%Rec.	DL	EMPC
233	233 Total Hepta-PCBs				1.2636	5.565	0.00		0.000		NO	977.3		10.8	1016
234	234 4th Function Octa-PCBs				0.8663	5.565	0.00		0.000		NO	118.5		9.55	129.7
235	235 5th Function Nona-PCBs				1.1967	5.565	0.00		0.000		NO	67.38		2.28	67.38

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	133 PCB-179	44.24	44.24	1.060e4	1.025e4	1.050	1.03	NO	62.248	62.248



Dataset: Untitled

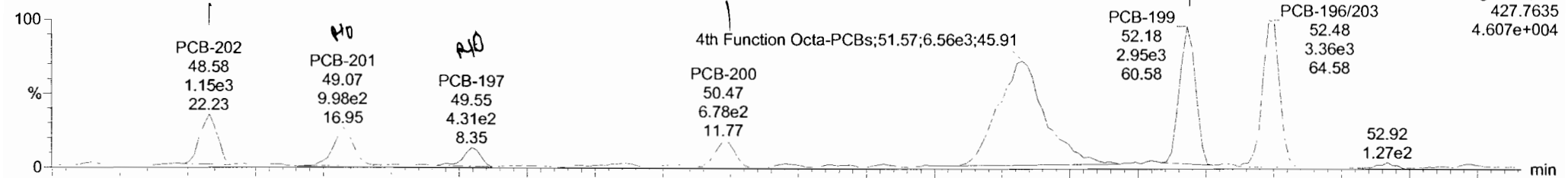
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Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

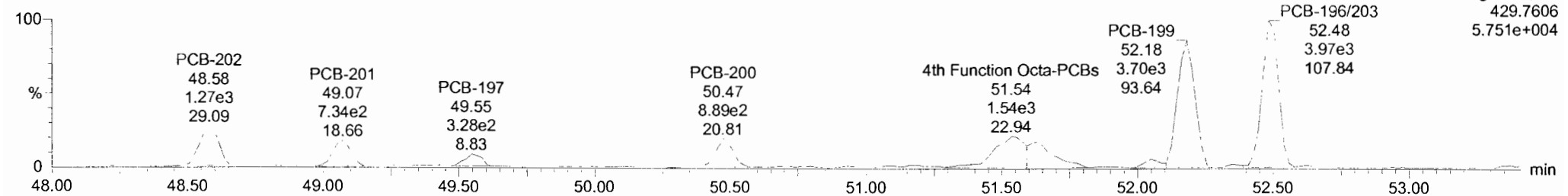
Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

PCB-202

191010K2_8

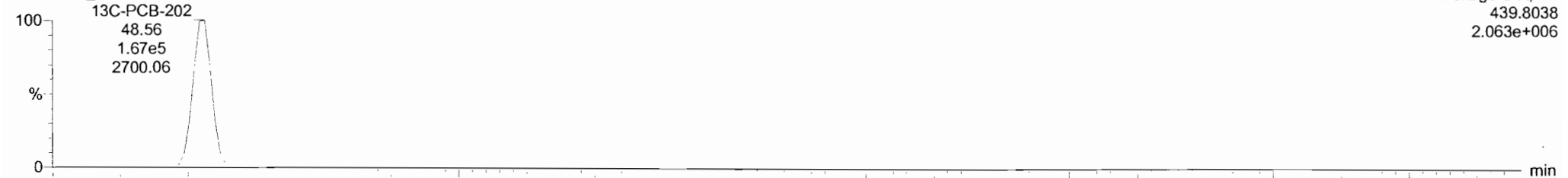


191010K2_8

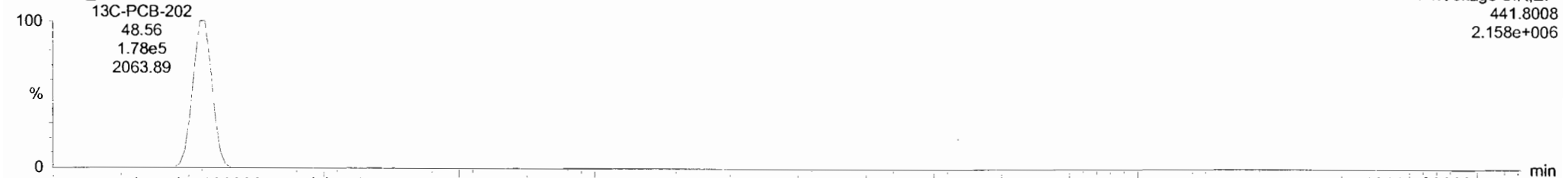


13C-PCB-202

191010K2_8



191010K2_8

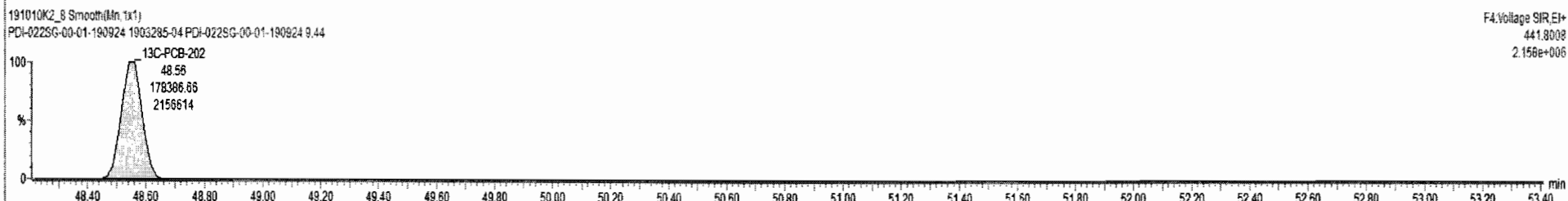
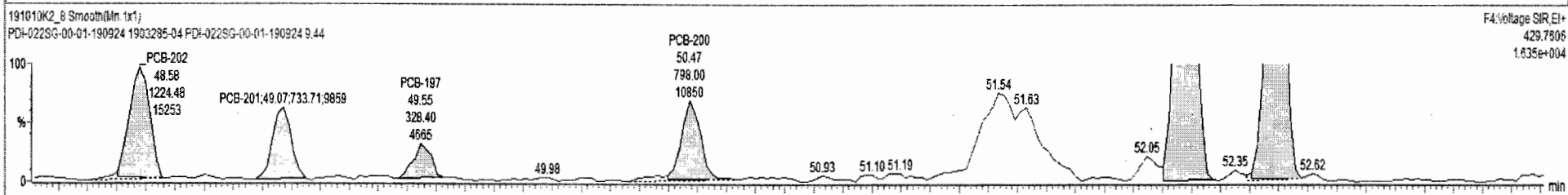
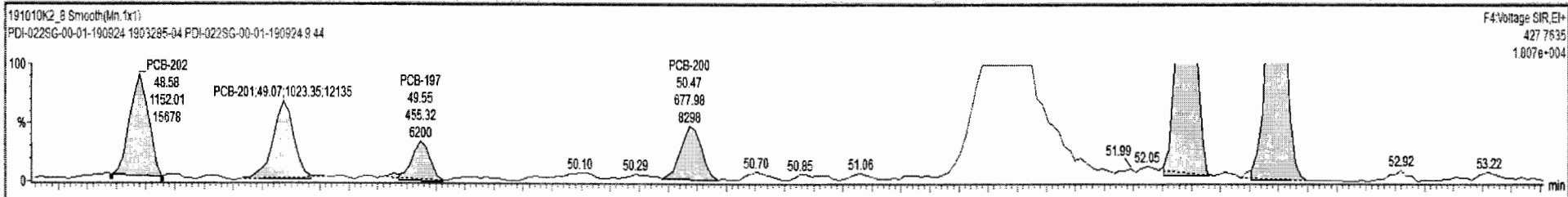




191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.88e3	5.565	0.00		0.000		NO	118.0		9.55	129.2
235	235 5th Function Octa-PCBs				1.1967	5.565	0.00		0.000		NO	67.38		2.28	67.38

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.60	48.58	1.152e3	1.224e3	0.890	0.94	NO	12.081	12.081
2	155 PCB-201	49.09	49.07	1.023e3	7.337e2	0.890	1.39	YES	7.8887	0.00000
3	157 PCB-197	49.55	49.55	4.553e2	3.294e2	0.890	1.39	YES	3.3007	0.00000
4	158 PCB-200	50.50	50.47	6.780e2	7.960e2	0.890	0.85	NO	8.0532	8.0532
5	160 PCB-199	52.17	52.18	3.014e3	3.703e3	0.890	0.81	NO	49.533	49.533
6	161 PCB-196/203	52.48	52.48	3.353e3	3.934e3	0.890	0.85	NO	48.343	48.343



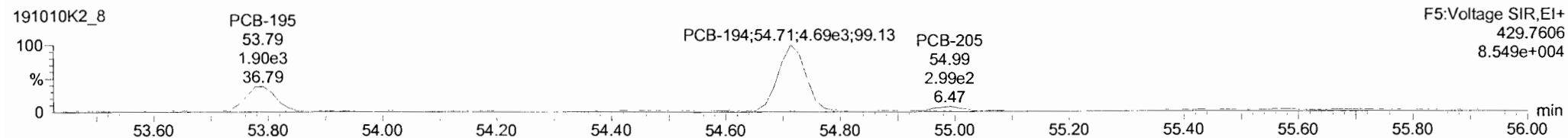
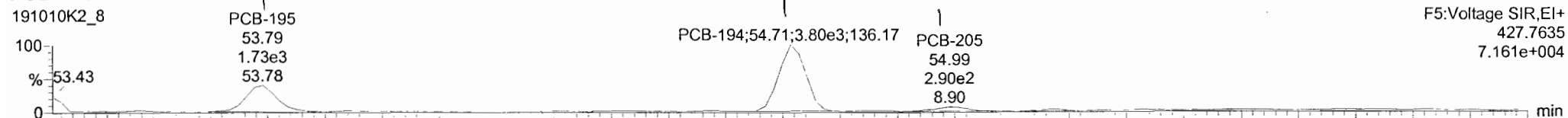
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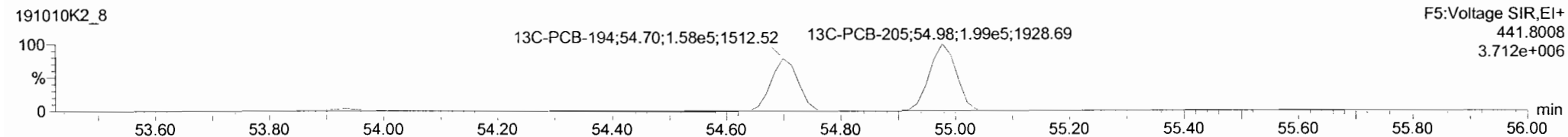
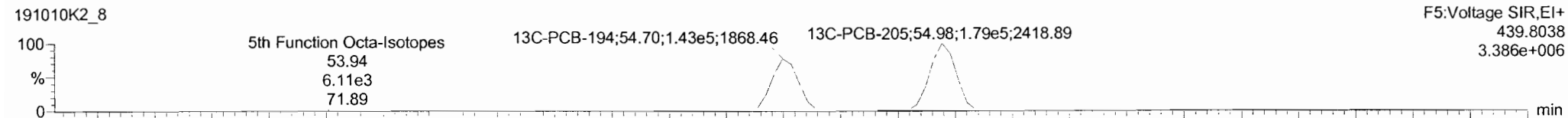
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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

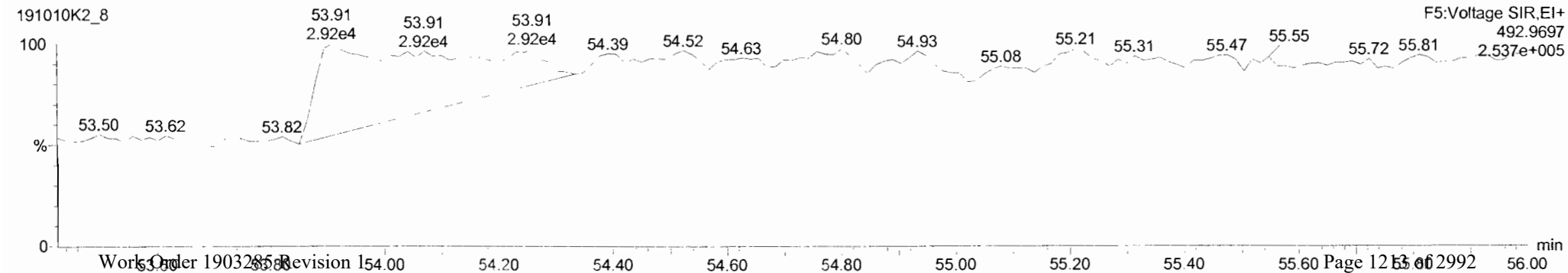
PCB-195



13C-PCB-194



PFK5



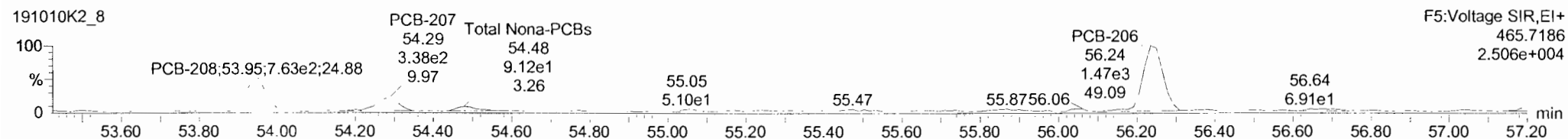
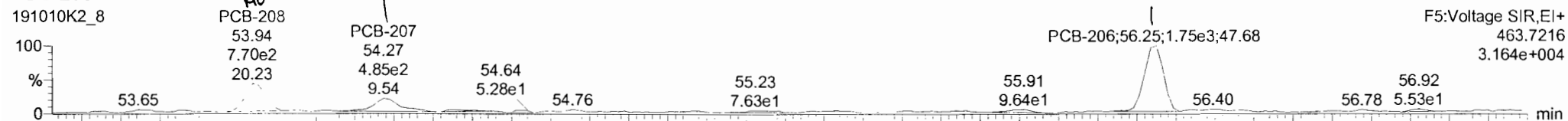
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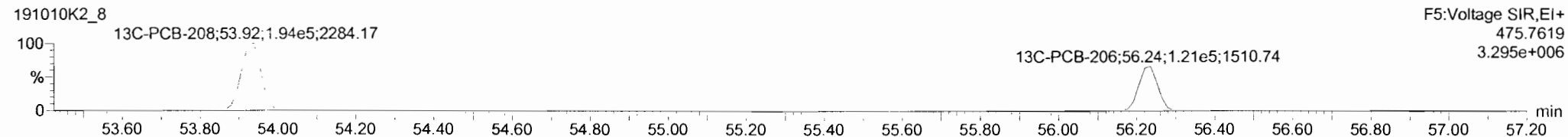
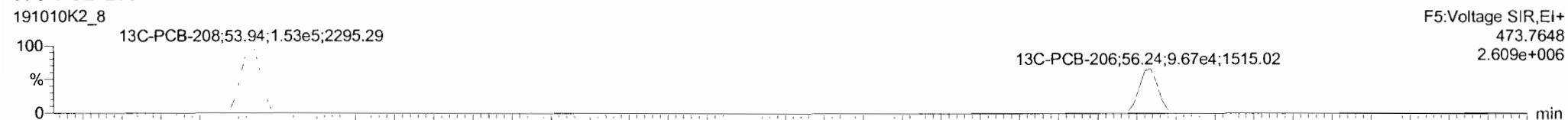
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Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

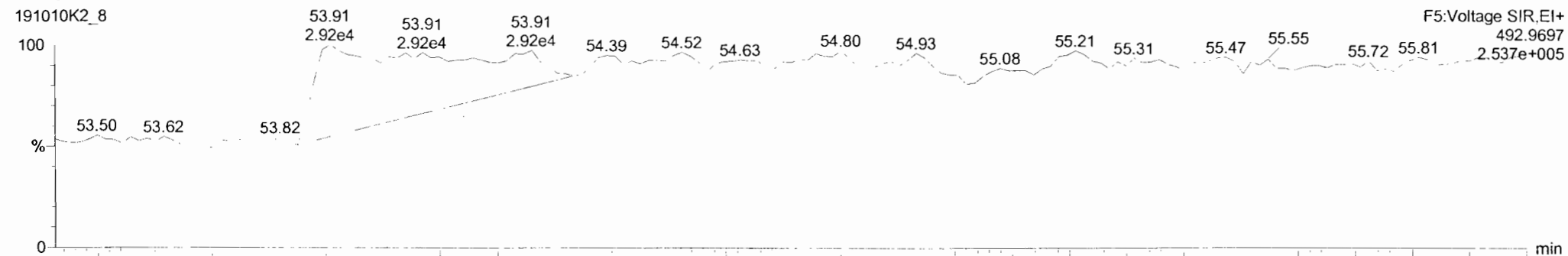
PCB-208



13C-PCB-208



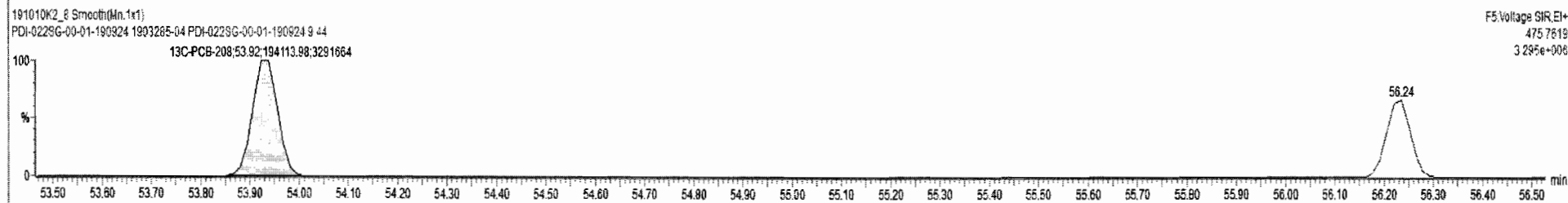
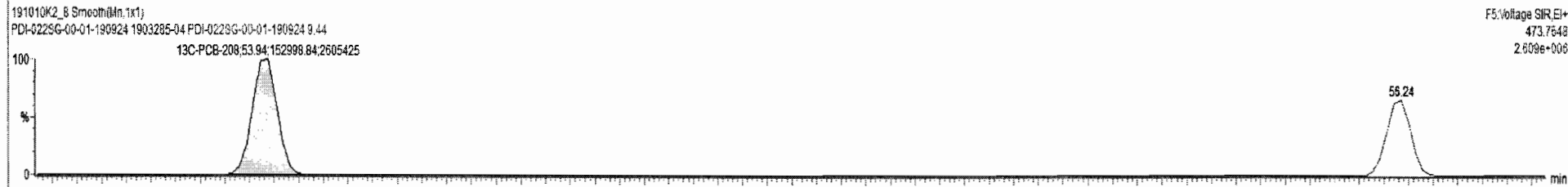
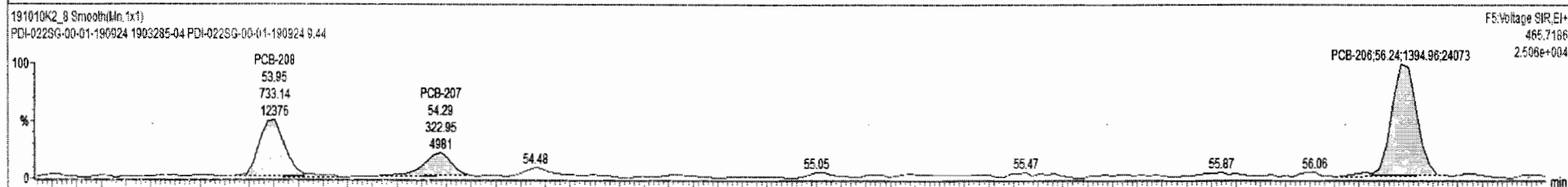
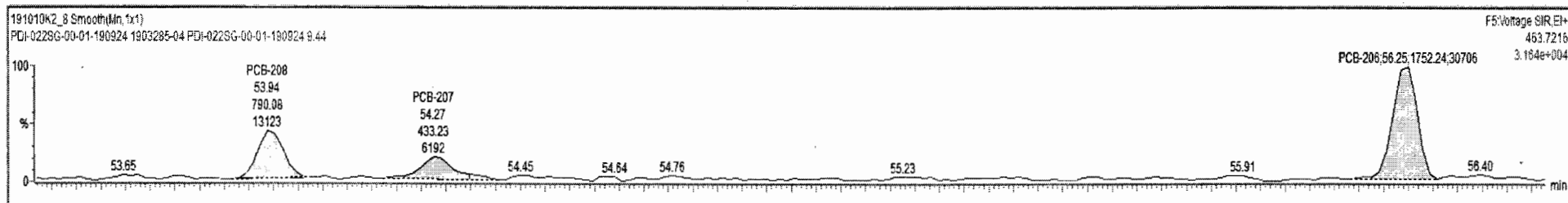
PFK5



191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.8883	5.565	0.00		0.000		NO	118.0		9.55	129.2
235	235 5th Function Octa-PCBs				1.1967	5.565	0.00		0.000		NO	67.36		2.28	67.36

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-206	53.95	53.94	7.901e2	7.331e2	1.340	1.06	YES	7.6452	0.00000
2	166 PCB-207	54.27	54.27	4.332e2	3.229e2	1.340	1.34	NO	4.2917	4.2917
3	167 PCB-206	56.25	56.25	1.752e3	1.395e3	1.340	1.26	NO	26.259	26.259



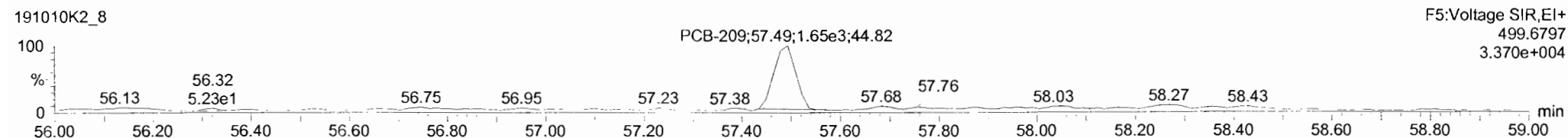
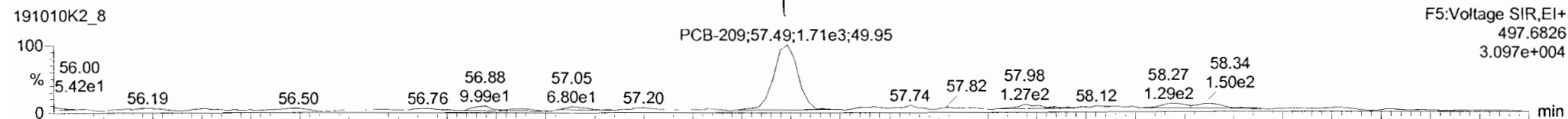
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Last Altered: Tuesday, October 15, 2019 12:51:20 Pacific Daylight Time

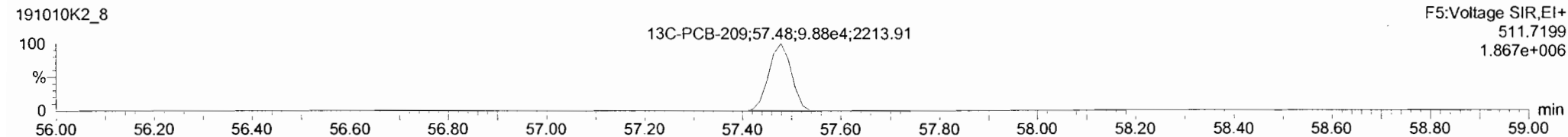
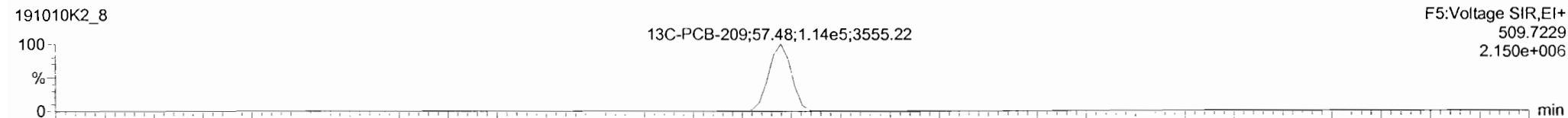
Printed: Tuesday, October 15, 2019 12:51:54 Pacific Daylight Time

Name: 191010K2_8, Date: 11-Oct-2019, Time: 10:22:23, ID: 1903285-04 PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

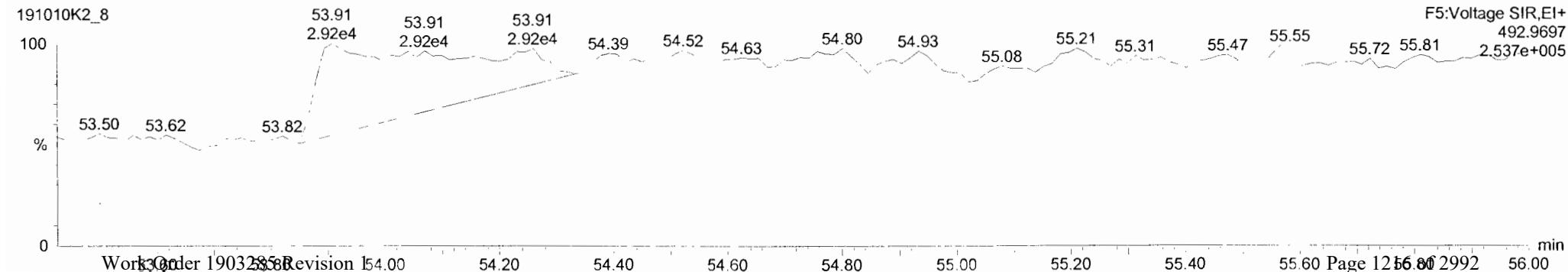
PCB-209



13C-PCB-209



PFK5

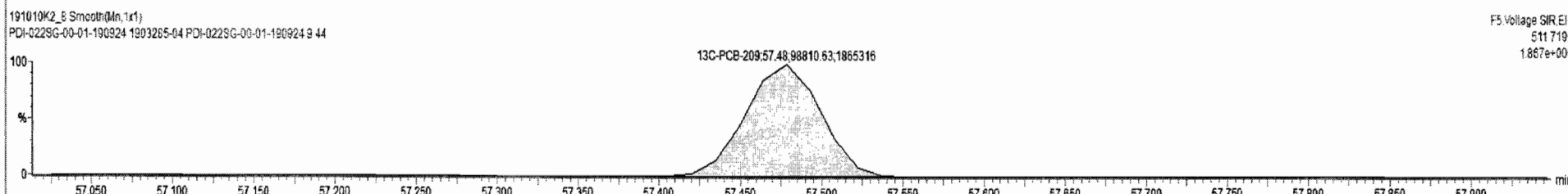
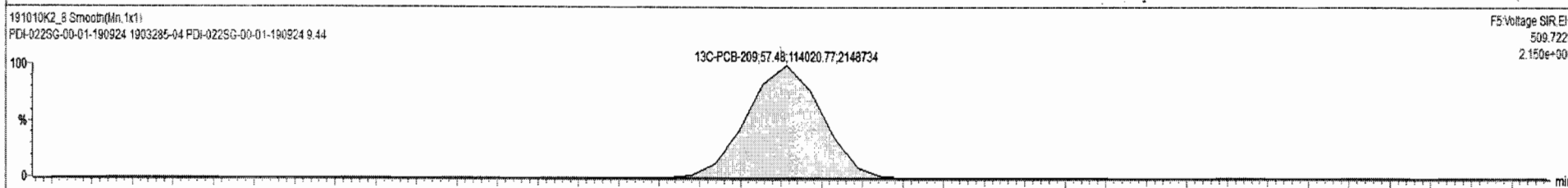
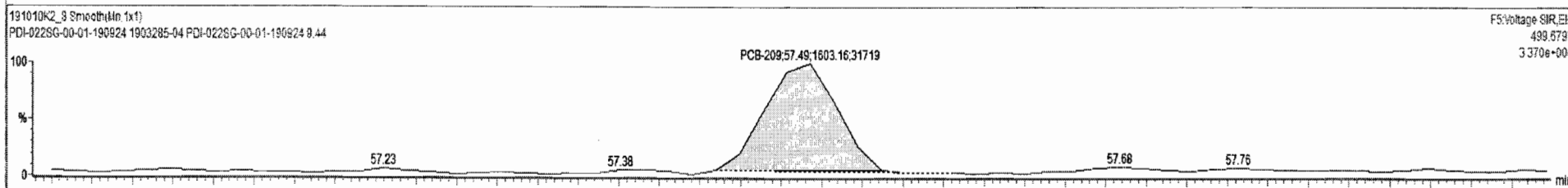
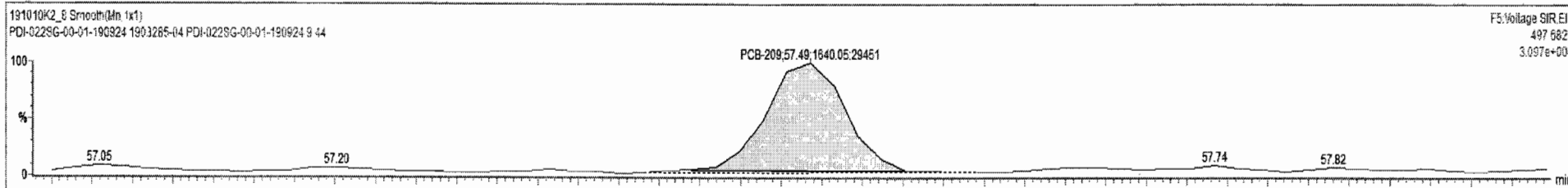




191010K2_8 - 1903285-04 PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
237	237	Deca-CB			0.9426	5.565	0.00		0.000		NO	29.05		1.25	29.05
238	238	Total PCBs													

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.	
1	188	PCB-209	57.48	57.49	1.640e3	1.603e3	1.170	1.02	NO	29.951	29.051



Dataset: U:\VG11.PRO\Results\191012K1\191012K1-11.qld

Last Altered: Thursday, October 31, 2019 10:10:55 Pacific Daylight Time
Printed: Thursday, October 31, 2019 10:13:42 Pacific Daylight Time

EL 10-31-19

HL 10-31-19

CT 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_11, Date: 13-Oct-2019, Time: 01:10:11, ID: 1903285-04@15X PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

#	Name	Abs Resp	RA	NY	RRE	Wt/Vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Res	D	EMPG
1	1 PCB-1	1975.742	3.152	NO	1.02	5.565	15.53	15.53	1.00	1.00	NO	64.71		2.92	64.71
2	2 PCB-2	350.216	3.151	NO	1.01	5.565	17.94	17.95	0.99	0.99	NO	10.27		2.87	10.27
3	3 PCB-3	793.470	2.443	YES	1.01	5.565	18.17	18.18	1.00	1.00	NO	23.32		2.87	21.83
4	4 PCB-4/10				1.28	5.565	19.59		1.00		YES			20.8	
5	5 PCB-7/9				0.976	5.565	21.39		1.00		YES			16.7	
6	6 PCB-6				1.02	5.565	22.04		1.03		YES			16.0	
7	7 PCB-5/8	5533.383	1.405	NO	1.01	5.565	22.45	22.44	1.05	1.05	NO	164.6		16.1	164.6
8	8 PCB-14				1.03	5.565	23.60		0.95		YES			16.0	
9	9 PCB-11				1.10	5.565	24.81		1.00		YES			15.1	
10	10 PCB-12/13				1.04	5.565	25.24		1.02		YES			15.9	
11	11 PCB-15	3027.734	0.879	YES	1.03	5.565	25.54	25.53	1.03	1.03	NO	83.43		16.1	64.07
12	12 PCB-19	398.801	0.810	YES	0.934	5.565	23.78	23.76	1.00	1.00	NO	17.04		4.05	15.75
13	13 PCB-30				1.48	5.565	24.67		1.04		YES			3.12	
14	14 PCB-18	2533.484	0.983	NO	0.693	5.565	25.46	25.45	0.95	0.95	NO	97.11		4.38	97.11
15	15 PCB-17	1268.051	0.797	YES	0.667	5.565	25.62	25.63	0.96	0.96	NO	50.61		4.55	43.95
16	16 PCB-24/27				0.915	5.565	26.23		0.98		YES			3.32	
17	17 PCB-16/32	1743.807	1.009	NO	0.792	5.565	26.76	26.74	1.00	1.00	NO	58.46		3.83	58.46
18	18 PCB-34				0.987	5.565	27.57		0.96		YES			4.05	
19	19 PCB-23				0.974	5.565	27.66		0.96		YES			4.10	
20	20 PCB-29				0.953	5.565	27.93		0.97		YES			4.19	
21	21 PCB-26	997.505	1.368	YES	1.00	5.565	28.14	28.13	0.98	0.98	NO	29.49		3.90	25.40
22	22 PCB-25	624.706	0.673	YES	0.978	5.565	28.31	28.30	0.98	0.98	NO	18.90		4.00	14.92
23	23 PCB-31	5185.956	0.960	NO	1.12	5.565	28.68	28.67	1.00	1.00	NO	136.6		3.56	136.6
24	24 PCB-28	7093.658	1.103	NO	1.11	5.565	28.76	28.76	1.00	1.00	NO	189.8		3.61	189.8
25	25 PCB-20/21/33	2697.405	1.114	NO	1.00	5.565	29.39	29.43	1.02	1.02	NO	79.54		3.98	79.54
26	26 PCB-22	1469.071	1.051	NO	1.03	5.565	29.86	29.86	1.04	1.04	NO	42.08		3.87	42.08
27	27 PCB-36				1.18	5.565	30.51		0.93		YES			3.55	
28	28 PCB-39				1.08	5.565	30.98		0.95		YES			3.85	
29	29 PCB-38				1.13	5.565	31.79		0.97		YES			3.70	
30	30 PCB-35				1.13	5.565	32.33		0.99		YES			3.69	

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-11.qld

Last Altered: Thursday, October 31, 2019 10:10:55 Pacific Daylight Time

Printed: Thursday, October 31, 2019 10:13:42 Pacific Daylight Time

Name: 191012K1_11, Date: 13-Oct-2019, Time: 01:10:11, ID: 1903285-04@15X PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

	Name	Abs Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
31	31 PCB-37	1895.676	1.035	NO	1.11	5.565	32.78	32.77	1.00	1.00	NO	52.86		3.77	52.86
32	169 13C-PCB-1	53759.457	2.929	NO	1.08	5.565	15.52	15.52	0.61	0.61	NO	1286	71.6	27.7	
33	170 13C-PCB-3	60719.922	2.799	NO	1.09	5.565	18.17	18.16	0.71	0.71	NO	1435	79.9	27.3	
34	171 13C-PCB-4	35487.071	1.507	NO	0.640	5.565	19.52	19.51	0.77	0.76	NO	1430	79.6	10.2	
35	172 13C-PCB-9	59738.562	1.608	NO	0.995	5.565	21.35	21.33	0.84	0.84	NO	1547	86.1	6.57	
36	173 13C-PCB-11	63408.898	1.560	NO	0.971	5.565	24.80	24.79	0.97	0.97	NO	1683	93.7	6.73	
37	174 13C-PCB-19	42760.289	0.945	NO	0.637	5.565	23.75	23.75	0.93	0.93	NO	1730	96.3	104	
38	175 13C-PCB-32	67646.795	0.929	NO	0.910	5.565	26.75	26.74	1.05	1.05	NO	1917	107	72.7	
39	176 13C-PCB-28	60728.269	0.931	NO	1.07	5.565	28.76	28.75	1.00	1.00	NO	1936	108	76.4	
40	177 13C-PCB-37	58248.312	1.004	NO	0.959	5.565	32.74	32.75	1.14	1.14	NO	2070	115	85.1	
41	213 13C-PCB-15	69694.622	1.641	NO	1.00	5.565	25.49	25.51	1.00	0.00	NO	1797	100	6.54	
42	214 13C-PCB-31	52708.447	0.949	NO	1.00	5.565	28.64	28.65	1.00	0.00	NO	1797	100	81.6	

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-11.qld

Last Altered: Thursday, October 31, 2019 10:10:55 Pacific Daylight Time

Printed: Thursday, October 31, 2019 10:14:22 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_11, Date: 13-Oct-2019, Time: 01:10:11, ID: 1903285-04@15X PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

	Name	Abs Resp	RA	ng	RRF	wt.Aol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
1	224 Total Mono-PCBs				1.01	5.565	0.00		0.00		NO	74.98		8.66	96.81
2	225 Total Di-PCBs				1.06	5.565	0.00		0.00		NO	164.6		133	228.7
3	226 2nd Function Tri-PCBs				0.914	5.565	0.00		0.00		NO	155.6		24.1	215.3
4	227 3rd Function Tri-PCBs				1.06	5.565	0.00		0.00		NO	500.9		54.0	541.2

Handwritten notes:
7656.5
7756.5

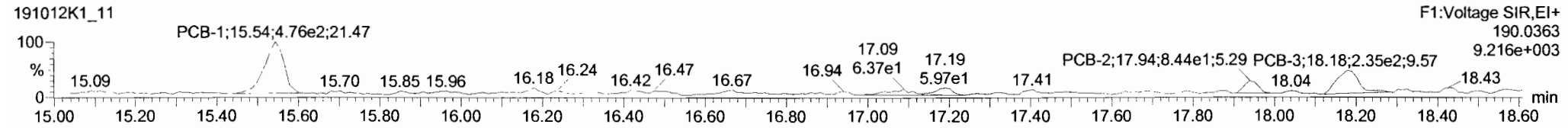
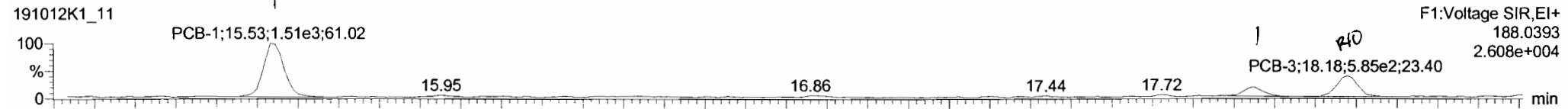
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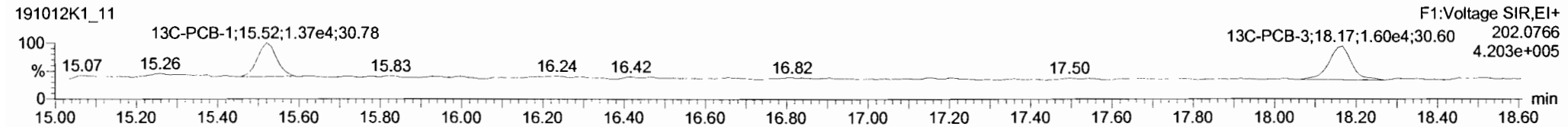
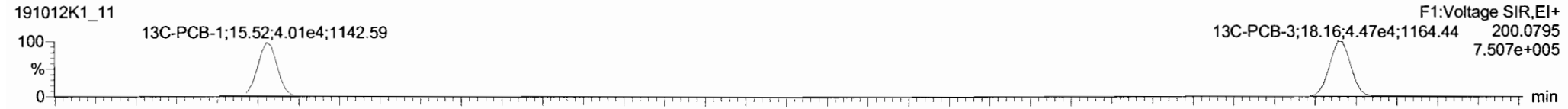
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Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_11, Date: 13-Oct-2019, Time: 01:10:11, ID: 1903285-04@15X PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

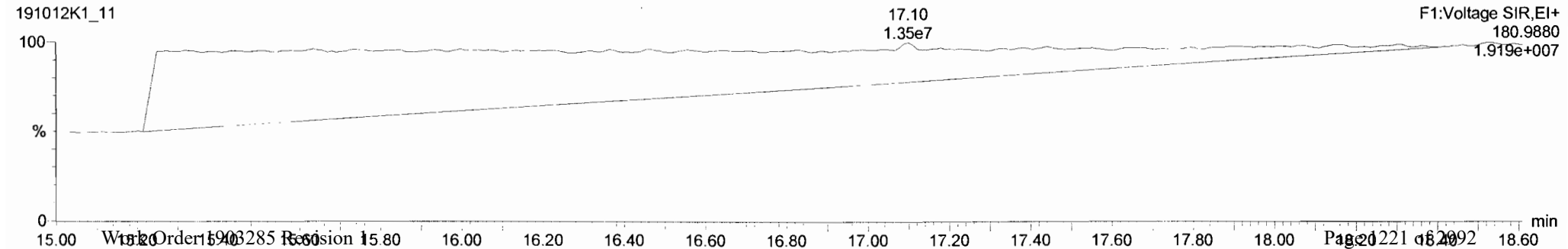
PCB-1



13C-PCB-1



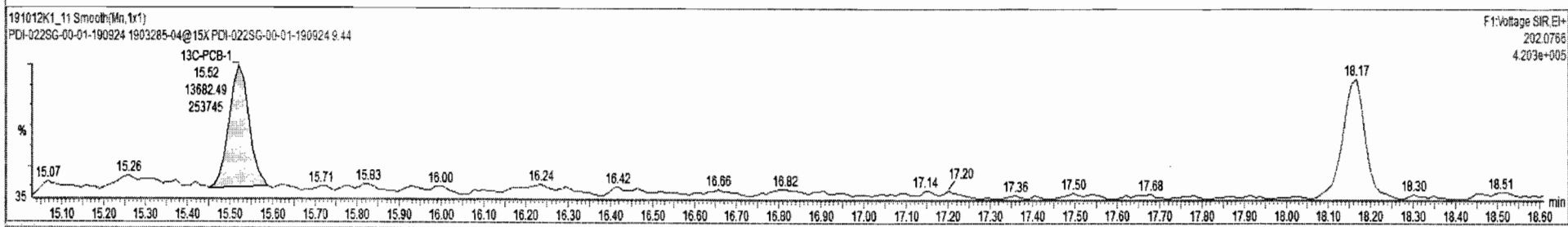
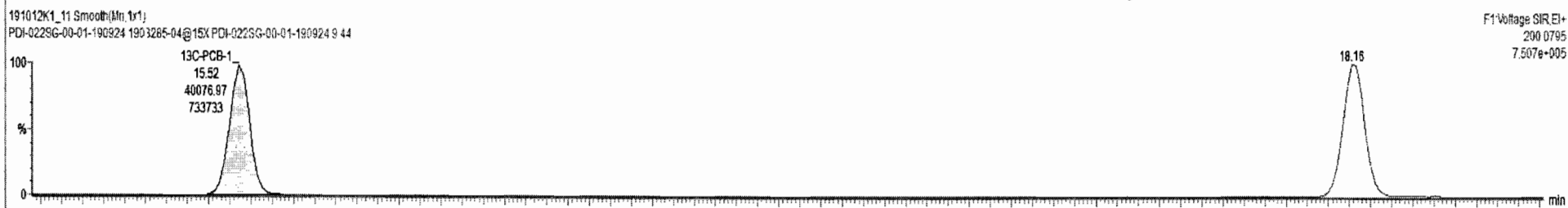
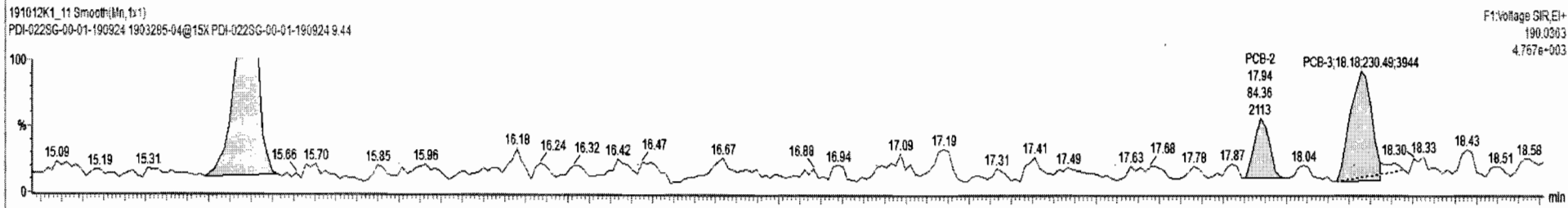
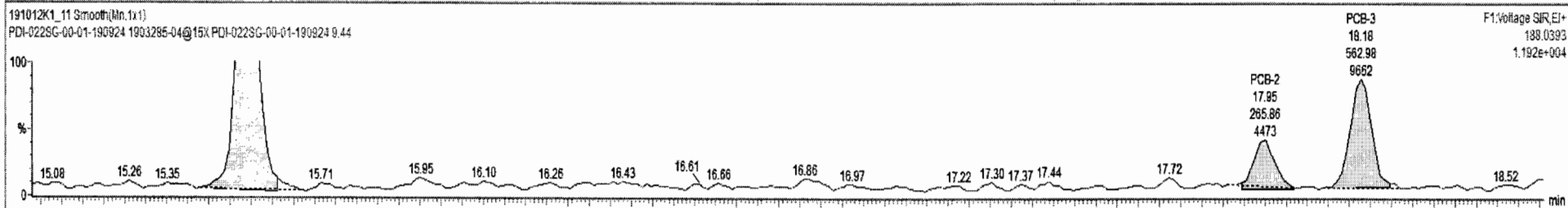
PFK1



191012K1_11 - 1903285-04@15X PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0122	5.565	0.00	0.000			NO	74.98		4.66	96.81
225	Total Di-PCBs				1.0592	5.565	0.00	0.000			NO	184.6		133	228.7
226	2nd Function Tri-PCBs				0.9137	5.565	0.00	0.000			NO	98.23		24.1	188.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.53	15.53	1.500e3	4.758e2	3.130	3.15	NO	64.709	64.709
2	PCB-2	17.94	17.95	2.659e2	6.436e1	3.130	3.15	NO	10.271	10.271



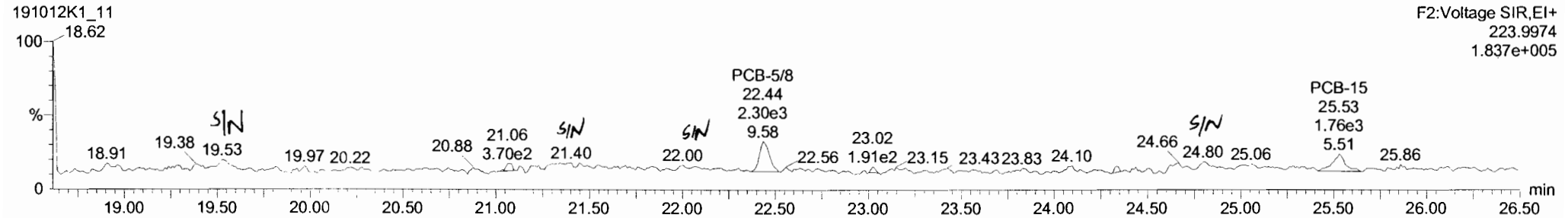
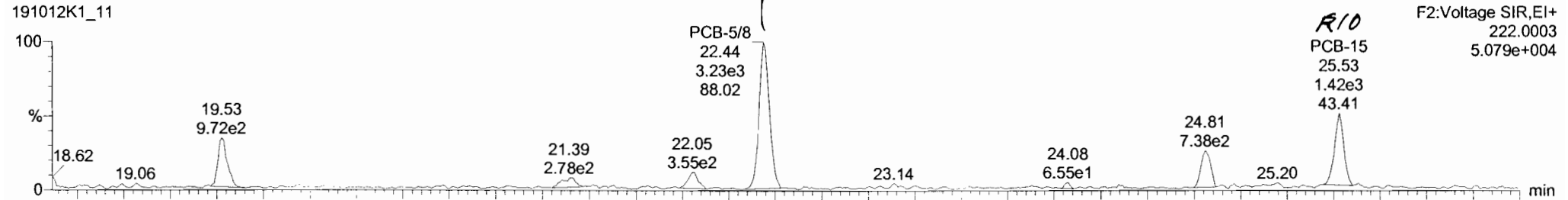
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Last Altered: Tuesday, October 15, 2019 14:07:28 Pacific Daylight Time

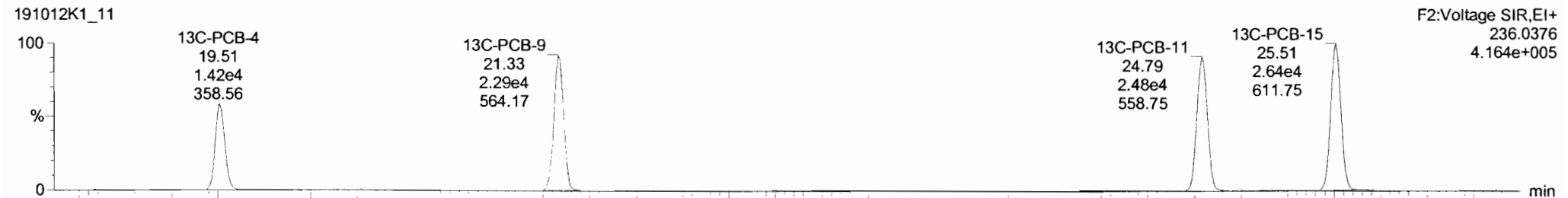
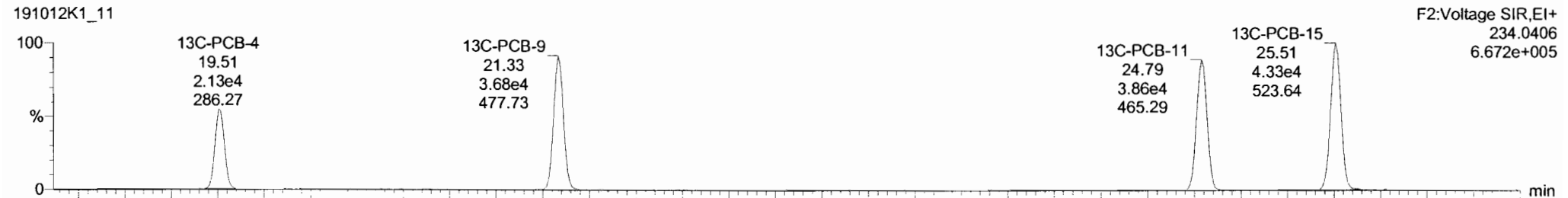
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PCB-4/10



13C-PCB-4

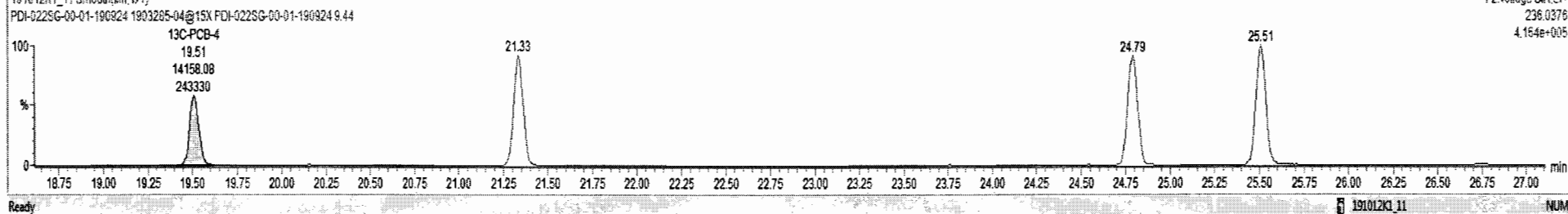
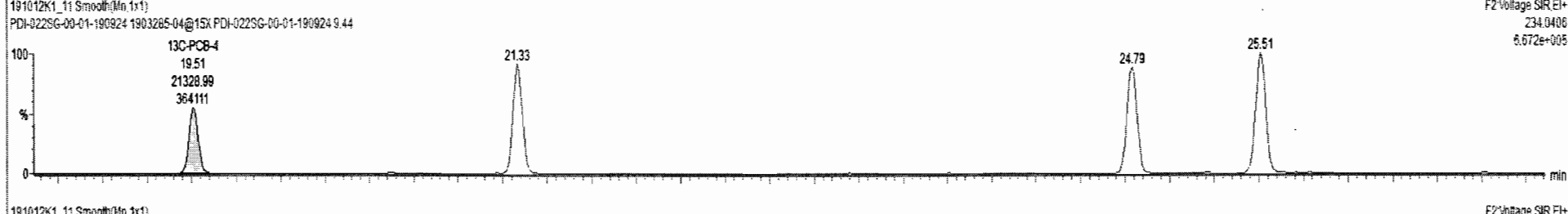
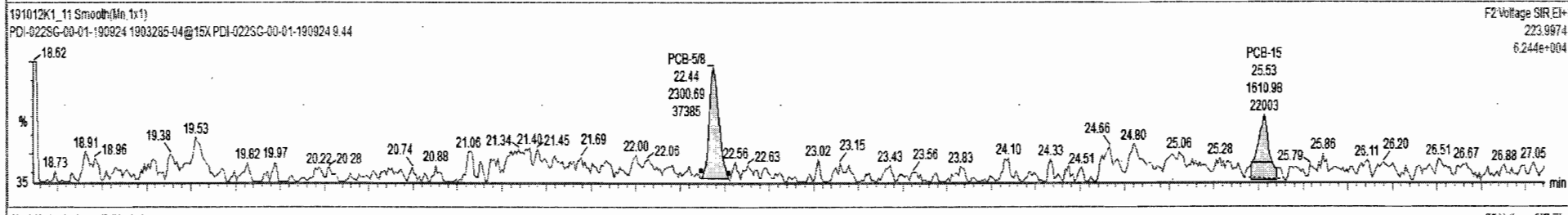
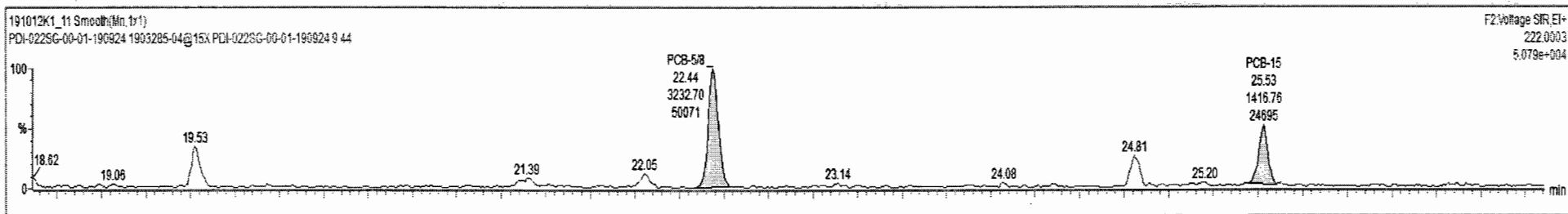




191012K1_11 - 1903285-04@15X.PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.565	0.00		0.000		NO	74.98	8.66	96.81	
225	225 Total Di-PCBs				1.0582	5.565	0.00		0.000		NO	164.6	133	228.7	
226	226 2nd Function Tri-PCBs				0.9137	5.565	0.00		0.000		NO	98.23	24.1	186.8	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	7 PCB-5/8	22.45	22.44	3.233e3	2.301e3	1.560	1.41	NO	164.62	164.62
2	11 PCB-15	25.54	25.53	1.417e3	1.611e3	1.560	0.88	YES	64.967	0.00000



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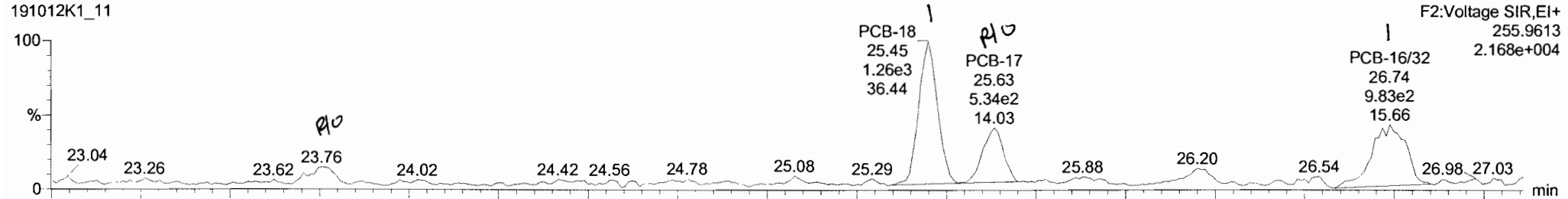
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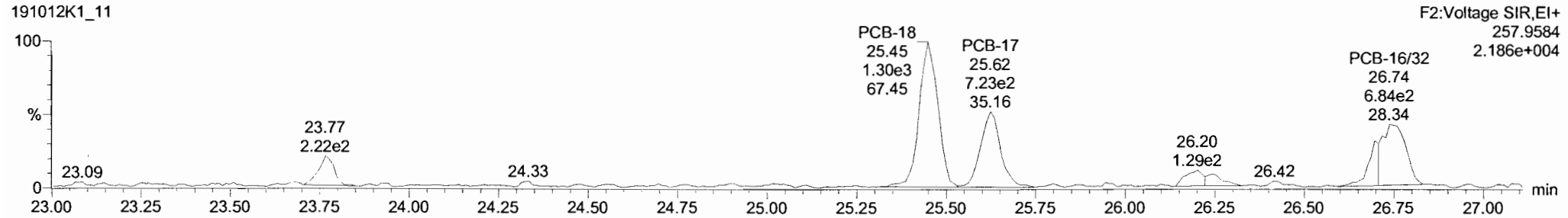
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PCB-19

191012K1_11

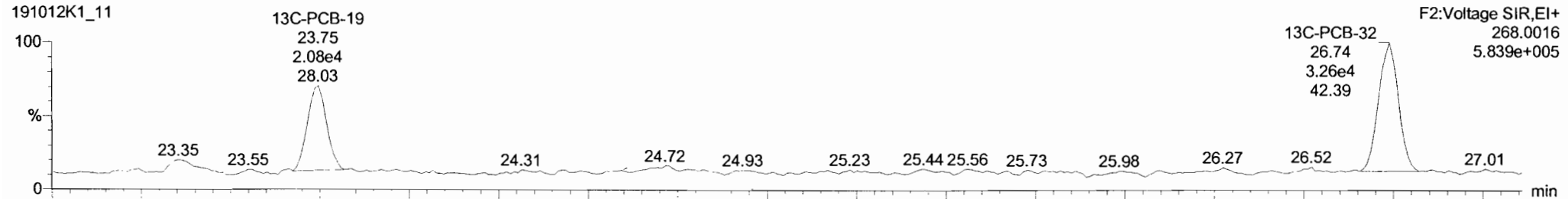


191012K1_11

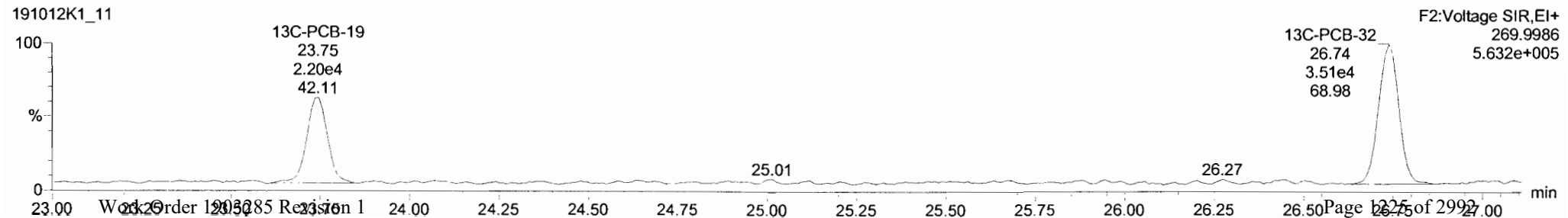


13C-PCB-19

191012K1_11



191012K1_11

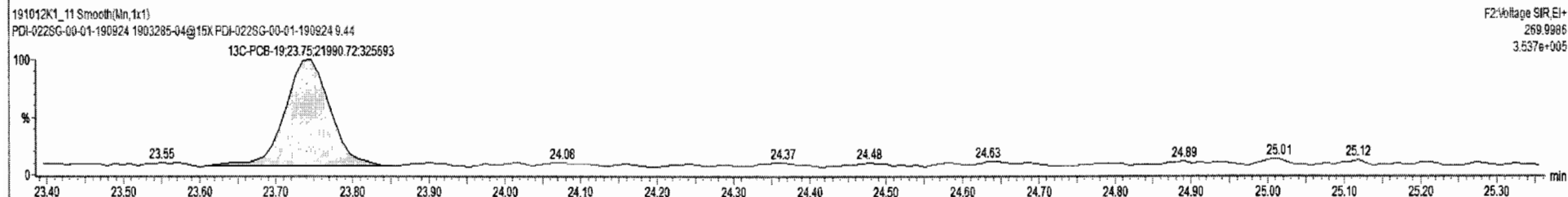
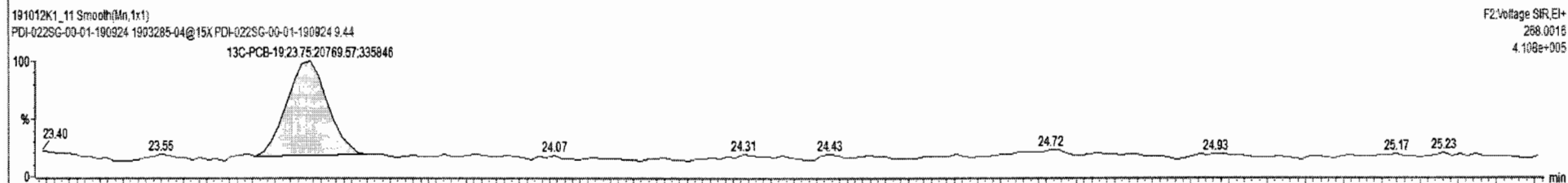
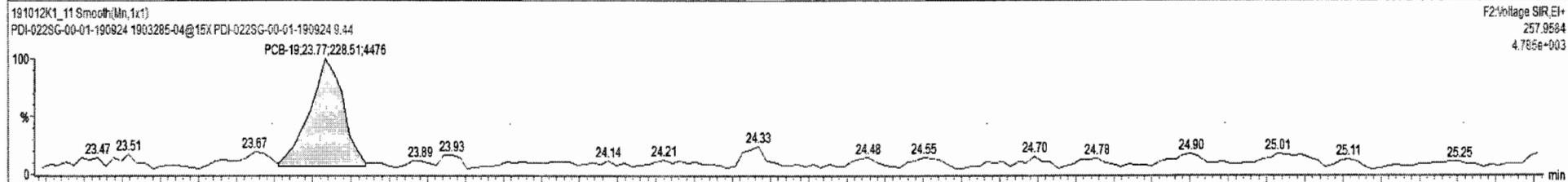
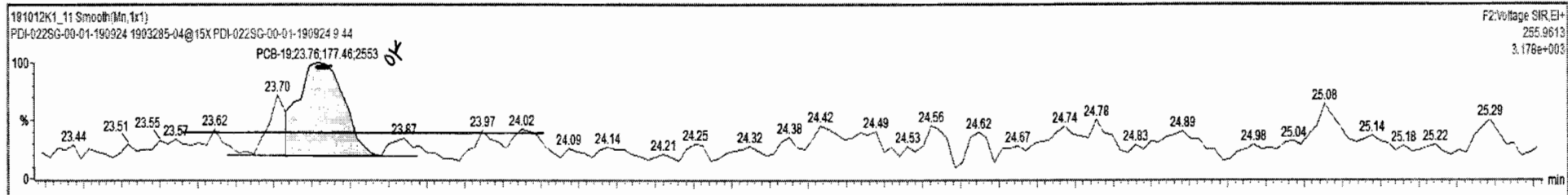




191012K1_11 - 1903285-04@15X PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wt%vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.565	0.00		0.000		NO	74.98	6.66		96.81
225	225 Total Di-PCBs				1.0592	5.565	0.00		0.000		NO	164.6		133	228.7
226	226 2nd Function Tri-PCBs				0.9137	5.565	0.00		0.000		NO	155.6		24.1	215.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
12	PCB-19	23.78	23.76	1.775e2	2.285e2	1.040	0.78	YES	15.658	0.00000
14	PCB-18	25.46	25.45	1.256e3	1.278e3	1.040	0.96	NO	97.112	97.112
15	PCB-17	25.62	25.63	5.625e2	7.056e2	1.040	0.80	YES	43.950	0.00000
17	PCB-16/32	26.76	26.74	8.757e2	8.681e2	1.040	1.01	NO	58.462	58.462

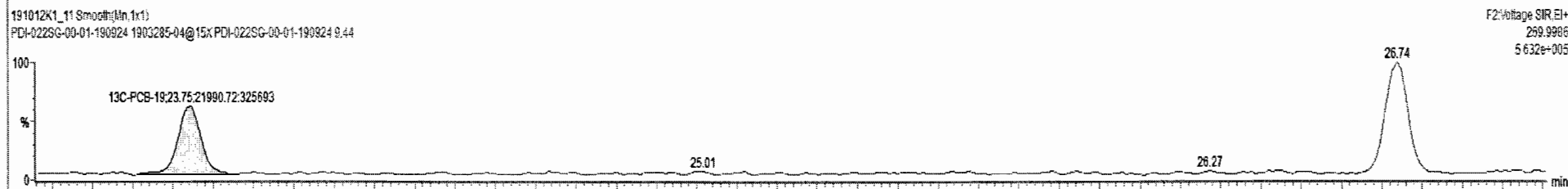
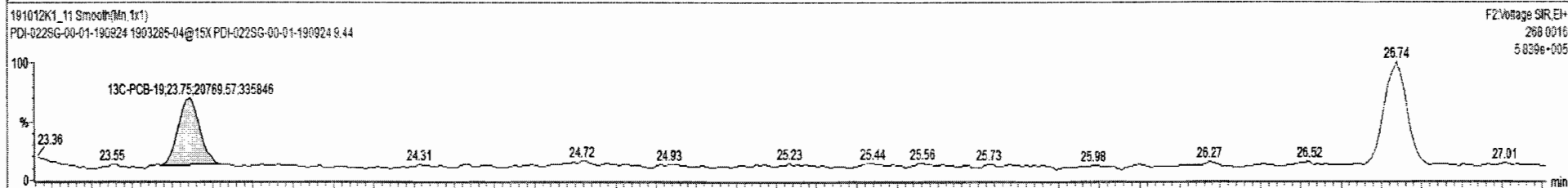
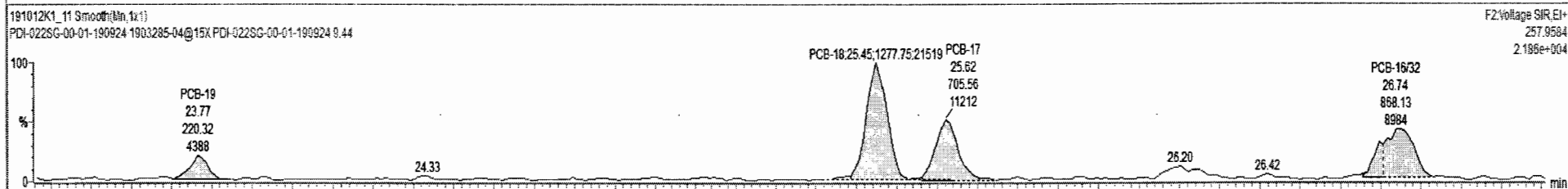
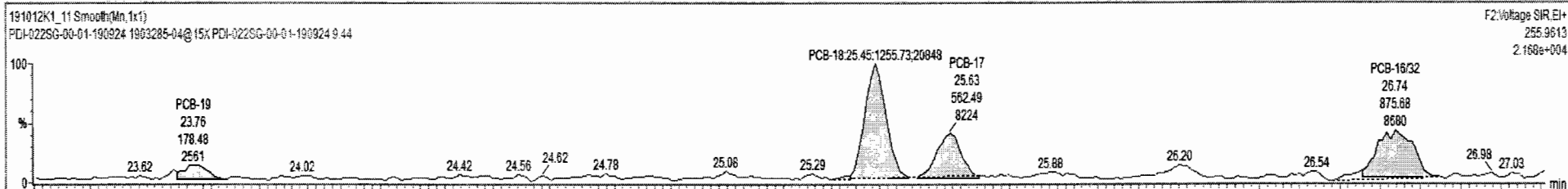




191012K1_11 - 1903285-04@15X PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
224	Z24 Total Mono-PCBs				1.0122	5.565	0.00		0.000		NO	74.98	8.66	96.81	
225	Z25 Total Di-PCBs				1.0592	5.565	0.00		0.000		NO	164.6	133	228.7	
226	Z26 2nd Function Tri-PCBs				0.9137	5.565	0.00		0.000		NO	155.6	24.1	215.3	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	12 PCB-19	23.76	23.76	1.785e2	2.203e2	1.040	0.81	YES	15.749	0.00000
2	14 PCB-18	25.46	25.45	1.250e3	1.279e3	1.040	0.98	NO	97.112	97.112
3	15 PCB-17	25.62	25.63	5.625e2	7.058e2	1.040	0.80	YES	43.950	0.00000
4	17 PCB-16/32	26.76	26.74	8.757e2	8.681e2	1.040	1.01	NO	58.462	58.462

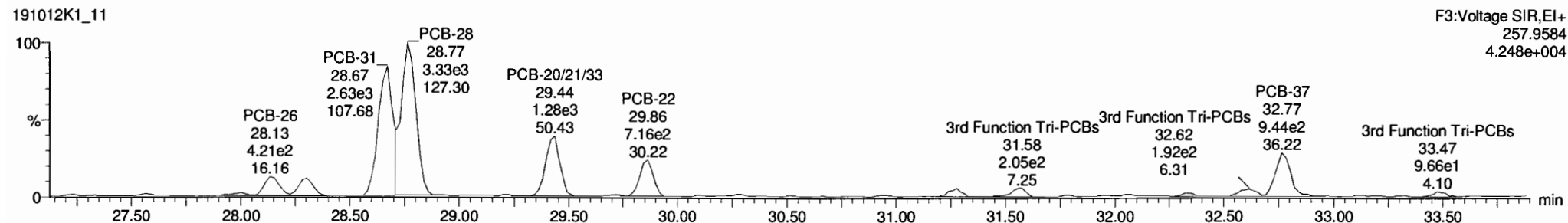
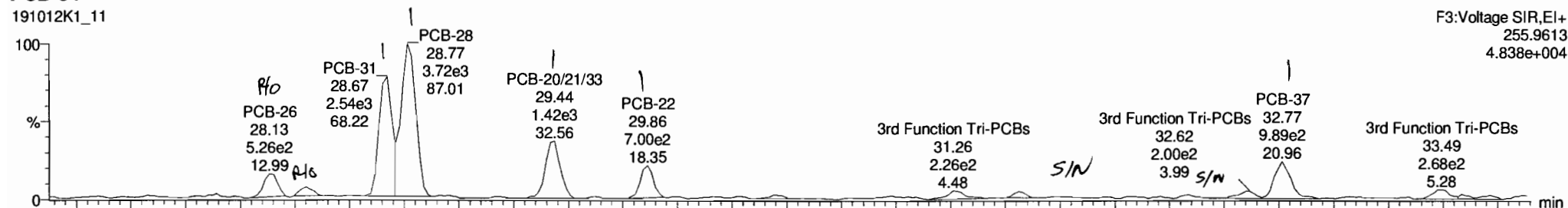


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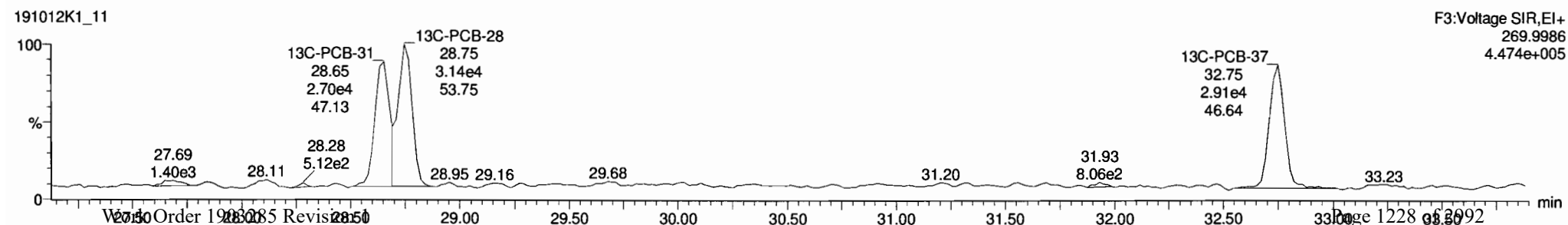
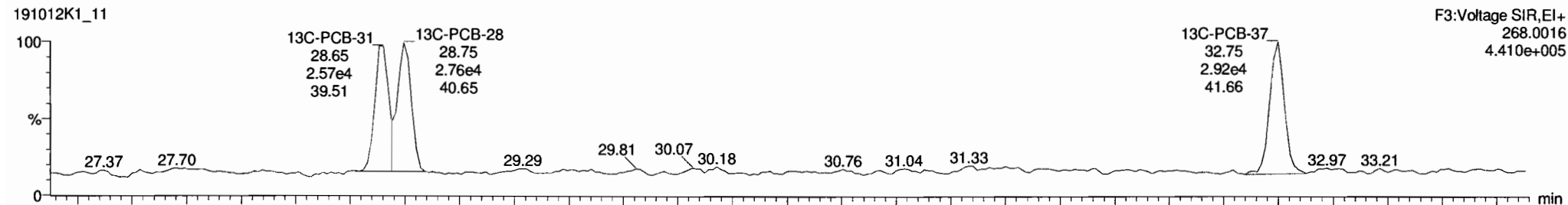
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Name: 191012K1_11, Date: 13-Oct-2019, Time: 01:10:11, ID: 1903285-04@15X PDI-022SG-00-01-190924 9.44, Description: PDI-022SG-00-01-190924

PCB-34



13C-PCB-28

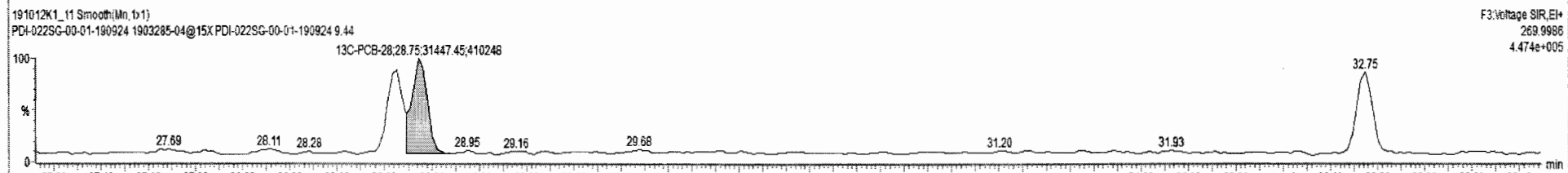
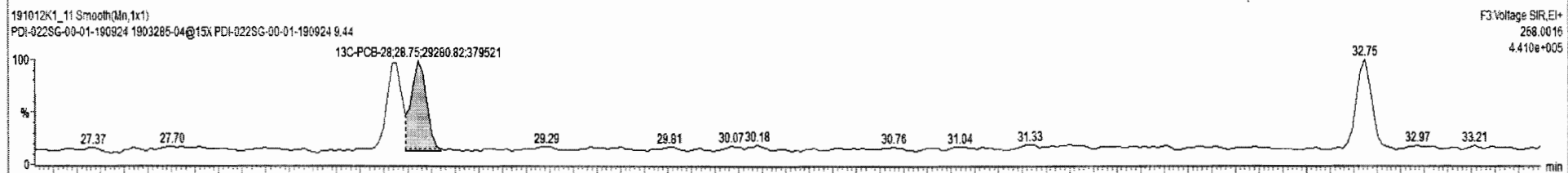
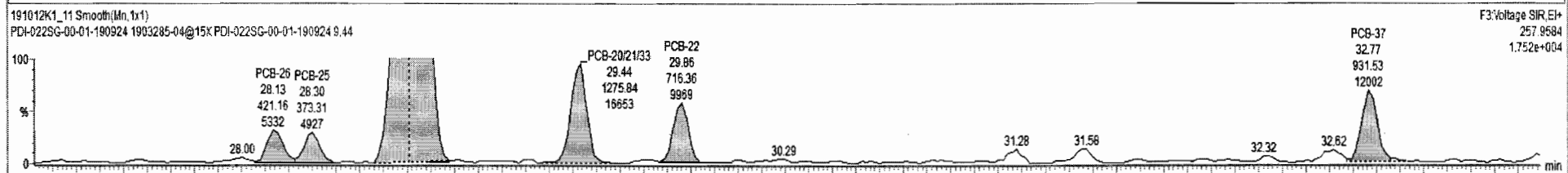
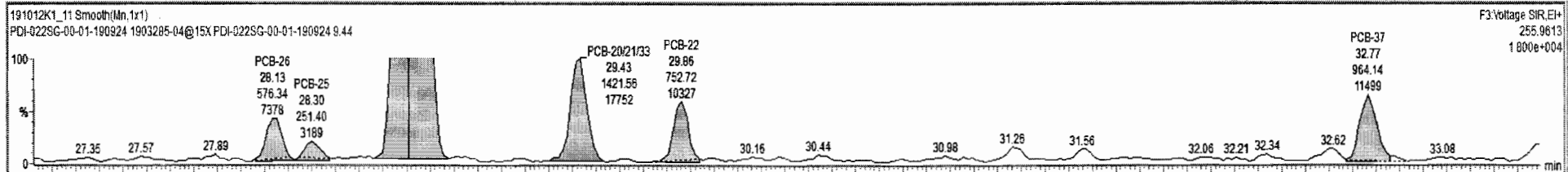




191012K1_11 - 1903285-04@15X PDI-022SG-00-01-190924 9.44 - PDI-022SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	6.11e4	0.75	NO	1.0454	5.565	37.77	37.77	0.987	0.968	NO	1709	95.1	18.6	
223	13C-PCB-178	3.19e4	0.47	NO	0.9749	5.565	45.88	45.84	0.924	0.923	NO	1622	90.3	13.0	
224	Total Mono-PCBs				1.0122	5.565	0.00		0.000		NO	74.98		6.66	96.81
225	Total Di-PCBs				1.0592	5.565	0.00		0.000		NO	164.6		133	228.7
226	2nd Function Tri-PCBs				6.9137	5.565	0.00		0.000		NO	155.6		24.1	215.3
227	3rd Function Tri-PCBs				1.0563	5.565	0.00		0.006		NO	500.9		54.0	541.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
21	PCB-26	28.14	28.13	5.763e2	4.212e2	1.040	1.37	YES	25.398	0.00000
22	PCB-25	28.31	28.30	2.514e2	3.733e2	1.040	0.87	YES	14.921	0.00000
23	PCB-31	28.68	28.67	2.549e3	2.646e3	1.040	0.96	NO	136.62	136.62



Custom Reporting: Select reports to generate

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time
Printed: Friday, November 01, 2019 14:05:20 Pacific Daylight Time

GRB 11/01/19

HL 11.4.19

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CT 11/06/19

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	5194.039	3.112	NO	1.02	5.846	15.52	15.52	1.00	1.00	NO	10.11		0.216	10.11
2	2 PCB-2	7301.928	2.914	NO	1.01	5.846	17.93	17.93	0.99	0.99	NO	13.35		0.214	13.35
3	3 PCB-3	5145.619	2.757	NO	1.01	5.846	18.15	18.17	1.00	1.00	NO	9.424		0.214	9.424
4	4 PCB-4/10	9340.816	1.508	NO	1.28	5.846	19.58	19.52	1.00	1.00	NO	19.30		0.578	19.30
5	5 PCB-7/9	2341.337	1.539	NO	0.976	5.846	21.38	21.38	1.00	1.00	NO	3.794		0.477	3.794
6	6 PCB-6	5638.986	1.350	NO	1.02	5.846	22.03	22.03	1.03	1.03	NO	8.770		0.458	8.770
7	7 PCB-5/8	24294.047	1.541	NO	1.01	5.846	22.44	22.44	1.05	1.05	NO	38.01		0.461	38.01
8	8 PCB-14				1.03	5.846	23.61		0.95		YES			0.570	
9	9 PCB-11	35256.969	1.491	NO	1.10	5.846	24.82	24.82	1.00	1.00	NO	58.25		0.537	58.25
10	10 PCB-12/13	4502.384	1.444	NO	1.04	5.846	25.25	25.19	1.02	1.02	NO	7.862		0.568	7.862
11	11 PCB-15	23425.558	1.554	NO	1.03	5.846	25.55	25.53	1.03	1.03	NO	41.25		0.573	41.25
12	12 PCB-19	7556.301	0.990	NO	0.934	5.846	23.77	23.77	1.00	1.00	NO	25.58		0.405	25.58
13	13 PCB-30				1.48	5.846	24.66		1.04		YES			0.255	
14	14 PCB-18	25667.630	0.996	NO	0.693	5.846	25.46	25.45	0.95	0.95	NO	74.14		0.350	74.14
15	15 PCB-17	15052.601	1.017	NO	0.667	5.846	25.62	25.62	0.96	0.96	NO	45.18		0.364	45.18
16	16 PCB-24/27	3736.917	1.040	NO	0.915	5.846	26.23	26.20	0.98	0.98	NO	8.178		0.266	8.178
17	17 PCB-16/32	22547.651	1.037	NO	0.792	5.846	26.76	26.75	1.00	1.00	NO	56.96		0.307	56.96
18	18 PCB-34	1149.975	1.027	NO	0.987	5.846	27.57	27.57	0.96	0.96	NO	1.813		0.369	1.813
19	19 PCB-23				0.974	5.846	27.66		0.96		YES			0.374	
20	20 PCB-29	521.733	1.497	YES	0.953	5.846	27.93	27.91	0.97	0.97	NO	0.8519		0.382	0.6960
21	21 PCB-26	16045.865	0.964	NO	1.00	5.846	28.14	28.13	0.98	0.98	NO	24.96		0.364	24.96
22	22 PCB-25	10169.094	1.129	NO	0.978	5.846	28.31	28.30	0.98	0.98	NO	16.19		0.372	16.19
23	23 PCB-31	80001.497	1.048	NO	1.12	5.846	28.68	28.67	1.00	1.00	NO	110.9		0.324	110.9
24	24 PCB-28	101693.543	1.030	NO	1.11	5.846	28.76	28.76	1.00	1.00	NO	143.2		0.329	143.2
25	25 PCB-20/21/33	42540.797	1.015	NO	1.00	5.846	29.39	29.43	1.02	1.02	NO	66.01		0.363	66.01
26	26 PCB-22	26407.629	1.024	NO	1.03	5.846	29.86	29.86	1.04	1.04	NO	39.80		0.352	39.80
27	27 PCB-36				1.18	5.846	30.56		0.93		YES			0.344	
28	28 PCB-39				1.08	5.846	31.03		0.95		YES			0.373	
29	29 PCB-38	1750.802	1.143	NO	1.13	5.846	31.84	31.80	0.97	0.97	NO	2.667		0.359	2.667
30	30 PCB-35	2065.740	1.188	NO	1.13	5.846	32.38	32.38	0.99	0.99	NO	3.136		0.357	3.136
31	31 PCB-37	30092.980	1.118	NO	1.11	5.846	32.84	32.84	1.00	1.00	NO	46.76		0.366	46.76

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Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time

Printed: Friday, November 01, 2019 14:05:20 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
32	32 PCB-54	2300.765	0.728	NO	0.996	5.846	27.59	27.61	1.00	1.00	NO	5.282		0.316	5.282
33	33 PCB-50	500.475	0.869	NO	0.781	5.846	28.79	28.80	1.04	1.04	NO	1.464		0.403	1.464
34	34 PCB-53	14225.559	0.662	NO	0.955	5.846	29.47	29.47	0.94	0.94	NO	41.60		0.412	41.60
35	35 PCB-51	7868.400	0.798	NO	1.02	5.846	29.82	29.83	0.95	0.95	NO	21.47		0.385	21.47
36	36 PCB-45	7951.285	0.701	NO	0.808	5.846	30.27	30.27	0.97	0.97	NO	27.49		0.487	27.49
37	37 PCB-46	3544.237	0.758	NO	0.754	5.846	30.77	30.77	0.99	0.99	NO	13.14		0.522	13.14
38	38 PCB-52/69	116072.539	0.722	NO	1.09	5.846	31.28	31.28	1.00	1.00	NO	296.9		0.361	296.9
39	39 PCB-73	435.019	0.455	YES	1.29	5.846	31.40	31.41	1.01	1.01	NO	0.9424		0.305	0.6776
40	40 PCB-43/49	76708.361	0.715	NO	0.940	5.846	31.56	31.59	1.01	1.01	NO	227.9		0.419	227.9
41	41 PCB-47	40013.791	0.714	NO	0.869	5.846	31.80	31.80	1.00	1.00	NO	119.7		0.423	119.7
42	42 PCB-48/75	14884.148	0.710	NO	1.02	5.846	31.91	31.93	1.00	1.00	NO	37.76		0.359	37.76
43	43 PCB-65				1.11	5.846	32.18		1.01		YES			0.332	
44	44 PCB-62				1.07	5.846	32.29		1.02		YES			0.345	
45	45 PCB-44	61355.479	0.738	NO	0.761	5.846	32.63	32.67	1.03	1.03	NO	209.6		0.483	209.6
46	46 PCB-42/59	24106.314	0.780	NO	0.960	5.846	32.84	32.90	1.03	1.04	NO	65.26		0.383	65.26
47	47 PCB-41/64/71/72	68863.891	0.733	NO	1.08	5.846	33.46	33.46	1.05	1.05	NO	165.4		0.340	165.4
48	48 PCB-68	1178.743	0.567	YES	1.11	5.846	33.72	33.72	1.06	1.06	NO	2.764		0.332	2.299
49	49 PCB-40	8173.292	0.731	NO	0.577	5.846	33.95	33.92	1.07	1.07	NO	36.84		0.638	36.84
50	50 PCB-57	703.136	0.842	NO	1.05	5.846	34.29	34.31	0.97	0.97	NO	1.432		0.281	1.432
51	51 PCB-67	3095.961	0.747	NO	0.993	5.846	34.62	34.63	0.98	0.98	NO	6.654		0.296	6.654
52	52 PCB-58	841.540	0.579	YES	1.11	5.846	34.75	34.74	0.98	0.98	NO	1.615		0.264	1.362
53	53 PCB-63	4896.213	0.780	NO	0.962	5.846	34.90	34.91	0.99	0.99	NO	10.86		0.306	10.86
54	54 PCB-74	46162.506	0.760	NO	1.07	5.846	35.19	35.19	0.99	0.99	NO	92.43		0.276	92.43
55	55 PCB-61/70	148217.625	0.742	NO	0.986	5.846	35.41	35.41	1.00	1.00	NO	320.9		0.298	320.9
56	56 PCB-76/66	124582.727	0.730	NO	1.07	5.846	35.57	35.63	1.00	1.01	NO	249.4		0.276	249.4
57	57 PCB-80				1.08	5.846	35.86		1.00		YES			0.264	
58	58 PCB-55	1819.590	0.688	NO	1.07	5.846	36.18	36.15	1.01	1.01	NO	3.494		0.268	3.494
59	59 PCB-56/60	69083.338	0.761	NO	0.934	5.846	36.68	36.67	1.02	1.02	NO	151.7		0.306	151.7
60	60 PCB-79	2844.622	0.584	YES	1.04	5.846	37.80	37.81	1.05	1.06	NO	5.584		0.274	4.731
61	61 PCB-78	658.540	0.714	NO	1.03	5.846	38.50	38.46	0.99	0.99	NO	1.321		0.290	1.321
62	62 PCB-81	1667.230	0.626	YES	0.933	5.846	39.04	39.09	1.00	1.00	NO	3.700		0.321	3.273
63	63 PCB-77	14996.946	0.808	NO	1.03	5.846	39.65	39.67	1.00	1.00	NO	31.06		0.299	31.06
64	64 PCB-104				0.995	5.846	32.53		1.00		YES			0.412	
65	65 PCB-96	1536.195	1.498	NO	0.996	5.846	33.82	33.77	1.04	1.04	NO	5.084		0.412	5.084

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	3087.787	1.334	NO	0.774	5.846	34.39	34.33	1.06	1.06	NO	13.14		0.529	13.14
67	67 PCB-100	2592.657	1.404	NO	0.778	5.846	34.76	34.68	1.07	1.07	NO	10.99		0.527	10.99
68	68 PCB-94	844.799	1.946	YES	0.773	5.846	35.17	35.17	0.99	0.99	NO	4.278		0.597	3.718
69	69 PCB-95/98/102	98721.723	1.580	NO	1.01	5.846	35.64	35.72	1.00	1.00	NO	381.0		0.455	381.0
70	70 PCB-93				0.841	5.846	35.77		1.00		YES			0.549	
71	71 PCB-88/91	18664.238	1.527	NO	0.890	5.846	36.12	36.13	1.01	1.01	NO	82.16		0.519	82.16
72	72 PCB-121				1.39	5.846	36.21		1.01		YES			0.333	
73	73 PCB-84/92	49920.928	1.498	NO	0.879	5.846	37.07	37.06	0.99	0.99	NO	230.7		0.533	230.7
74	74 PCB-89	1280.616	2.359	YES	0.959	5.846	37.28	37.25	1.00	1.00	NO	5.419		0.488	4.130
75	75 PCB-90/101	140872.449	1.526	NO	0.944	5.846	37.46	37.47	1.00	1.00	NO	605.9		0.496	605.9
76	76 PCB-113	183.097	0.426	YES	1.23	5.846	37.70	37.66	1.01	1.01	NO	0.6041		0.381	0.2961
77	77 PCB-99	65638.438	1.489	NO	1.12	5.846	37.80	37.81	1.01	1.01	NO	238.2		0.419	238.2
78	78 PCB-119	5890.585	1.610	NO	1.47	5.846	38.27	38.27	0.99	0.99	NO	18.20		0.355	18.20
79	79 PCB-108/112	5561.643	1.607	NO	1.25	5.846	38.43	38.44	0.99	0.99	NO	20.24		0.419	20.24
80	80 PCB-83				1.55	5.846	38.60		1.00		YES			0.338	
81	81 PCB-97	31410.678	1.402	NO	1.07	5.846	38.82	38.81	1.00	1.00	NO	132.8		0.486	132.8
82	82 PCB-86				0.996	5.846	38.96		1.00		YES			0.525	
83	83 PCB-87/117/125	43560.711	1.513	NO	1.33	5.846	39.07	39.09	1.01	1.01	NO	148.6		0.392	148.6
84	84 PCB-111/115	2150.995	1.820	YES	1.60	5.846	39.24	39.24	1.01	1.01	NO	6.408		0.327	5.546
85	85 PCB-85/116	19700.443	1.636	NO	1.22	5.846	39.36	39.37	1.02	1.02	NO	73.67		0.430	73.67
86	86 PCB-120	1208.187	1.946	YES	1.68	5.846	39.63	39.63	1.02	1.02	NO	3.268		0.341	2.840
87	87 PCB-110	179491.570	1.528	NO	1.49	5.846	39.77	39.78	1.03	1.03	NO	549.2		0.352	549.2
88	88 PCB-82	10732.995	1.582	NO	0.674	5.846	40.41	40.41	0.98	0.98	NO	54.35		0.585	54.35
89	89 PCB-124	6240.047	1.688	NO	1.16	5.846	41.15	41.12	0.99	0.99	NO	18.32		0.339	18.32
90	90 PCB-107/109	11643.826	1.461	NO	1.17	5.846	41.29	41.29	1.00	1.00	NO	34.10		0.338	34.10
91	91 PCB-123	1997.250	1.423	NO	1.04	5.846	41.46	41.46	1.00	1.00	NO	6.552		0.379	6.552
92	92 PCB-106/118	142787.500	1.525	NO	1.07	5.846	41.66	41.64	1.00	1.00	NO	440.2		0.356	440.2
93	93 PCB-114	4345.951	1.758	NO	1.16	5.846	42.32	42.32	1.00	1.00	NO	8.824		0.437	8.824
94	94 PCB-122	2088.183	1.345	NO	0.973	5.846	42.45	42.45	1.00	1.00	NO	5.064		0.522	5.064
95	95 PCB-105	68667.756	1.559	NO	1.10	5.846	43.21	43.21	1.00	1.00	NO	147.0		0.471	147.0
96	96 PCB-127				1.11	5.846	43.55		1.00		YES			0.440	
97	97 PCB-126	1578.961	1.357	NO	1.21	5.846	45.52	45.52	1.00	1.00	NO	3.372		0.482	3.372
98	98 PCB-155				0.874	5.846	36.99		1.00		YES			0.446	
99	99 PCB-150	387.135	1.396	NO	0.881	5.846	38.29	38.29	1.04	1.04	NO	2.206		0.443	2.206

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPG
100	100 PCB-152	151.296	1.159	NO	1.00	5.846	38.78	38.78	1.05	1.05	NO	0.7559		0.388	0.7559
101	101 PCB-145				1.00	5.846	39.22		1.06		YES			0.390	
102	102 PCB-136	18832.029	1.282	NO	0.843	5.846	39.58	39.58	1.07	1.07	NO	112.1		0.463	112.1
103	103 PCB-148	410.338	1.309	NO	0.693	5.846	39.69	39.69	1.07	1.07	NO	2.970		0.563	2.970
104	104 PCB-154	2865.581	1.355	NO	0.724	5.846	40.18	40.19	1.09	1.09	NO	19.86		0.539	19.86
105	105 PCB-151	26014.041	1.212	NO	0.632	5.846	40.85	40.86	1.11	1.11	NO	206.5		0.617	206.5
106	106 PCB-135	14126.008	1.181	NO	0.716	5.846	41.08	41.08	1.11	1.11	NO	99.01		0.545	99.01
107	107 PCB-144	4364.383	1.963	YES	0.667	5.846	41.18	41.20	1.11	1.11	NO	32.86		0.585	24.84
108	108 PCB-147	2281.827	1.281	NO	0.661	5.846	41.31	41.33	1.12	1.12	NO	17.32		0.590	17.32
109	109 PCB-139/149	89088.085	1.315	NO	0.738	5.846	41.59	41.59	1.13	1.12	NO	605.5		0.528	605.5
110	110 PCB-140	1034.442	1.319	NO	0.627	5.846	41.78	41.79	1.13	1.13	NO	8.275		0.622	8.275
111	111 PCB-134/143	8466.026	1.184	NO	0.733	5.846	42.27	42.24	0.97	0.97	NO	32.62		1.19	32.62
112	112 PCB-131/133	6499.185	1.120	NO	0.790	5.846	42.56	42.55	0.98	0.98	NO	23.24		1.10	23.24
113	113 PCB-142				0.708	5.846	42.71		0.99		YES			1.23	
114	114 PCB-146/165	44627.886	1.230	NO	0.959	5.846	42.96	42.96	0.99	0.99	NO	131.4		0.910	131.4
115	115 PCB-132/161	55663.064	1.202	NO	0.974	5.846	43.20	43.23	1.00	1.00	NO	161.4		0.896	161.4
116	116 PCB-153	252834.922	1.205	NO	1.01	5.846	43.38	43.38	1.00	1.00	NO	705.8		0.862	705.8
117	117 PCB-168	660.427	1.214	NO	1.02	5.846	43.61	43.59	1.01	1.01	NO	1.830		0.856	1.830
118	118 PCB-141	36983.944	1.175	NO	0.967	5.846	44.14	44.14	1.00	1.00	NO	134.0		1.12	134.0
119	119 PCB-137	5690.683	1.190	NO	0.987	5.846	44.52	44.52	1.01	1.01	NO	20.20		1.09	20.20
120	120 PCB-130	9862.881	1.269	NO	0.840	5.846	44.63	44.63	1.01	1.01	NO	41.14		1.29	41.14
121	121 PCB-138/163/164	244584.445	1.189	NO	1.23	5.846	45.01	45.01	1.00	1.00	NO	671.5		0.860	671.5
122	122 PCB-158/160	23063.875	1.192	NO	1.18	5.846	45.25	45.26	1.01	1.01	NO	65.91		0.895	65.91
123	123 PCB-129	5145.885	1.220	NO	0.819	5.846	45.50	45.52	1.01	1.01	NO	21.15		1.29	21.15
124	124 PCB-166	838.134	1.080	NO	1.07	5.846	46.00	45.99	0.99	0.99	NO	2.148		0.794	2.148
125	125 PCB-159	3756.401	1.106	NO	1.12	5.846	46.33	46.39	1.00	1.00	NO	9.197		0.758	9.197
126	126 PCB-128/162	26766.993	1.227	NO	0.851	5.846	46.62	46.60	1.01	1.01	NO	86.22		0.997	86.22
127	127 PCB-167	8886.512	1.188	NO	1.04	5.846	47.04	47.04	1.00	1.00	NO	23.74		0.838	23.74
128	128 PCB-156	21712.289	1.157	NO	1.06	5.846	48.36	48.36	1.00	1.00	NO	59.46		0.855	59.46
129	129 PCB-157	4026.091	1.056	NO	0.978	5.846	48.65	48.65	1.00	1.00	NO	11.86		0.962	11.86
130	130 PCB-169				1.11	5.846	50.92		1.00		YES			1.01	
131	131 PCB-188	271.738	0.964	NO	1.19	5.846	43.00	42.98	1.00	1.00	NO	0.8501		0.356	0.8501
132	132 PCB-184	245.707	1.046	NO	1.17	5.846	43.44	43.46	1.01	1.01	NO	0.7861		0.364	0.7861
133	133 PCB-179	33497.137	1.022	NO	1.18	5.846	44.25	44.25	1.03	1.03	NO	106.3		0.361	106.3

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	134 PCB-176	9311.327	1.029	NO	1.16	5.846	44.72	44.72	1.04	1.04	NO	29.98		0.366	29.98
135	135 PCB-186				1.22	5.846	45.33		1.06		YES			0.349	
136	136 PCB-178	11734.902	0.908	NO	0.830	5.846	45.84	45.88	1.07	1.07	NO	52.74		0.511	52.74
137	137 PCB-175	2200.840	0.963	NO	0.849	5.846	46.20	46.24	1.08	1.08	NO	9.681		0.500	9.681
138	138 PCB-182/187	75006.879	1.035	NO	0.960	5.846	46.40	46.39	1.08	1.08	NO	291.6		0.442	291.6
139	139 PCB-183	31313.197	0.993	NO	0.957	5.846	46.73	46.73	1.09	1.09	NO	122.2		0.444	122.2
140	140 PCB-185	5710.700	1.112	NO	1.32	5.846	47.43	47.42	0.95	0.95	NO	24.23		0.487	24.23
141	141 PCB-174	49663.277	0.997	NO	1.22	5.846	47.80	47.79	0.96	0.96	NO	228.2		0.527	228.2
142	142 PCB-181	1754.376	1.079	NO	1.41	5.846	47.90	47.87	0.96	0.96	NO	6.945		0.454	6.945
143	143 PCB-177	30874.238	0.991	NO	1.24	5.846	48.08	48.06	0.97	0.97	NO	139.4		0.518	139.4
144	144 PCB-171	14042.288	1.050	NO	1.24	5.846	48.37	48.36	0.97	0.97	NO	63.30		0.517	63.30
145	145 PCB-173	889.091	1.160	NO	1.14	5.846	48.81	48.82	0.98	0.98	NO	4.361		0.562	4.361
146	146 PCB-172	8144.549	1.054	NO	1.31	5.846	49.29	49.27	0.99	0.99	NO	34.89		0.491	34.89
147	147 PCB-192				1.70	5.846	49.48		1.00		YES			0.377	
148	148 PCB-180	114869.731	1.016	NO	1.32	5.846	49.69	49.69	1.00	1.00	NO	487.2		0.486	487.2
149	149 PCB-193	6881.410	1.098	NO	1.54	5.846	49.92	49.90	1.00	1.00	NO	25.03		0.417	25.03
150	150 PCB-191	2150.604	0.786	YES	1.57	5.846	50.16	50.18	1.01	1.01	NO	7.653		0.488	6.574
151	151 PCB-170	38294.613	1.031	NO	1.36	5.846	51.36	51.36	1.00	1.00	NO	201.1		0.592	201.1
152	152 PCB-190	10083.827	0.938	NO	1.84	5.846	51.54	51.56	1.00	1.00	NO	39.12		0.437	39.12
153	153 PCB-189	1471.511	0.949	NO	1.33	5.846	53.10	53.10	1.00	1.00	NO	7.178		0.478	7.178
154	154 PCB-202	5179.793	0.886	NO	1.02	5.846	48.59	48.59	1.00	1.00	NO	25.46		0.503	25.46
155	155 PCB-201	3193.582	1.001	NO	0.915	5.846	49.08	49.08	1.01	1.01	NO	17.57		0.563	17.57
156	156 PCB-204	181.952	0.902	NO	0.979	5.846	49.22	49.23	1.01	1.01	NO	0.9356		0.527	0.9356
157	157 PCB-197	1055.964	1.179	YES	0.979	5.846	49.54	49.56	1.02	1.02	NO	5.430		0.527	4.709
158	158 PCB-200	3025.533	0.876	NO	0.954	5.846	50.49	50.48	1.04	1.04	NO	15.96		0.540	15.96
159	159 PCB-198	671.594	0.953	NO	0.748	5.846	52.04	52.06	1.07	1.07	NO	4.518		0.689	4.518
160	160 PCB-199	14036.732	0.859	NO	0.706	5.846	52.16	52.19	1.07	1.07	NO	100.1		0.730	100.1
161	161 PCB-196/203	15851.897	0.845	NO	0.785	5.846	52.48	52.49	1.08	1.08	NO	101.7		0.657	101.7
162	162 PCB-195	6507.129	0.898	NO	1.03	5.846	53.80	53.80	0.98	0.98	NO	38.11		0.815	38.11
163	163 PCB-194	16464.201	0.889	NO	1.16	5.846	54.72	54.72	1.00	1.00	NO	86.21		0.729	86.21
164	164 PCB-205	1018.058	0.981	NO	1.40	5.846	54.98	55.00	1.01	1.01	NO	4.400		0.602	4.400
165	165 PCB-208	4078.925	1.352	NO	0.934	5.846	53.95	53.94	1.00	1.00	NO	22.38		0.590	22.38
166	166 PCB-207	1929.210	1.142	NO	0.912	5.846	54.26	54.28	1.01	1.01	NO	10.84		0.605	10.84
167	167 PCB-206	8298.762	1.337	NO	0.987	5.846	56.26	56.26	1.00	1.00	NO	69.93		0.844	69.93

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	11069.267	1.209	NO	0.943	5.846	57.48	57.50	1.00	1.00	NO	104.1		1.19	104.1
169	169 13C-PCB-1	861403.969	3.065	NO	1.08	5.846	15.52	15.51	0.61	0.61	NO	982.1	57.4	1.73	
170	170 13C-PCB-3	927421.078	3.326	NO	1.09	5.846	18.17	18.14	0.71	0.71	NO	1044	61.1	1.71	
171	171 13C-PCB-4	649164.313	1.600	NO	0.640	5.846	19.52	19.50	0.77	0.76	NO	1246	72.9	0.759	
172	172 13C-PCB-9	1081300.0...	1.586	NO	0.995	5.846	21.35	21.32	0.84	0.84	NO	1335	78.0	0.488	
173	173 13C-PCB-11	944540.126	1.578	NO	0.971	5.846	24.80	24.80	0.97	0.97	NO	1194	69.8	0.500	
174	174 13C-PCB-19	540924.251	1.008	NO	0.637	5.846	23.75	23.74	0.93	0.93	NO	1043	61.0	5.10	
175	175 13C-PCB-32	854512.001	1.009	NO	0.910	5.846	26.75	26.74	1.05	1.05	NO	1154	67.4	3.57	
176	176 13C-PCB-28	1098575.0...	0.960	NO	1.07	5.846	28.74	28.75	1.00	1.00	NO	1400	81.9	3.94	
177	177 13C-PCB-37	994972.719	0.967	NO	0.959	5.846	32.72	32.80	1.14	1.15	NO	1413	82.6	4.39	
178	178 13C-PCB-54	748320.781	0.766	NO	1.10	5.846	27.60	27.57	0.75	0.75	NO	1167	68.2	0.802	
179	179 13C-PCB-52	612406.312	0.749	NO	0.844	5.846	31.26	31.24	0.85	0.85	NO	1243	72.7	1.04	
180	180 13C-PCB-47	658135.094	0.750	NO	0.893	5.846	31.78	31.78	0.87	0.87	NO	1262	73.8	0.986	
181	181 13C-PCB-70	801513.375	0.767	NO	1.01	5.846	35.41	35.39	0.97	0.96	NO	1363	79.7	0.874	
182	182 13C-PCB-80	833892.751	0.766	NO	1.05	5.846	35.84	35.84	0.98	0.98	NO	1366	79.9	0.842	
183	183 13C-PCB-81	825965.438	0.766	NO	0.985	5.846	39.04	39.02	1.06	1.06	NO	1437	84.0	0.895	
184	184 13C-PCB-77	799672.376	0.766	NO	0.958	5.846	39.65	39.63	1.08	1.08	NO	1429	83.6	0.919	
185	185 13C-PCB-104	519054.390	1.668	NO	1.10	5.846	32.45	32.51	0.83	0.83	NO	1219	71.3	0.529	
186	186 13C-PCB-95	436757.641	1.648	NO	0.852	5.846	35.70	35.69	0.91	0.91	NO	1320	77.2	0.681	
187	187 13C-PCB-101	421355.219	1.602	NO	0.814	5.846	37.44	37.44	0.95	0.95	NO	1334	78.0	0.713	
188	188 13C-PCB-97	376236.031	1.628	NO	0.709	5.846	38.79	38.78	0.99	0.99	NO	1366	79.9	0.818	
189	189 13C-PCB-123	500810.094	1.649	NO	0.922	5.846	41.44	41.44	1.06	1.06	NO	1400	81.8	0.629	
190	190 13C-PCB-118	518564.328	1.613	NO	0.975	5.846	41.62	41.62	1.06	1.06	NO	1370	80.1	0.595	
191	191 13C-PCB-114	725245.469	1.554	NO	1.52	5.846	42.29	42.30	0.91	0.91	NO	1554	90.9	1.02	
192	192 13C-PCB-105	725819.500	1.509	NO	1.58	5.846	43.18	43.19	0.93	0.93	NO	1493	87.3	0.975	
193	193 13C-PCB-127	764755.219	1.524	NO	1.62	5.846	43.52	43.53	0.93	0.93	NO	1536	89.8	0.952	
194	194 13C-PCB-126	660554.828	1.524	NO	1.45	5.846	45.49	45.50	0.98	0.98	NO	1488	87.0	1.07	
195	195 13C-PCB-155	340853.859	1.306	NO	1.03	5.846	36.99	36.97	0.94	0.94	NO	855.7	50.0	0.221	
196	196 13C-PCB-153	605415.782	1.253	NO	1.42	5.846	43.35	43.36	0.93	0.93	NO	1385	81.0	1.15	
197	197 13C-PCB-141	488089.719	1.281	NO	1.14	5.846	44.10	44.12	0.95	0.95	NO	1391	81.3	1.43	
198	198 13C-PCB-138	507992.391	1.259	NO	1.18	5.846	44.98	44.97	0.97	0.97	NO	1402	82.0	1.39	
199	199 13C-PCB-159	624264.500	1.245	NO	1.43	5.846	46.29	46.32	0.99	0.99	NO	1418	82.9	1.14	
200	200 13C-PCB-167	614152.157	1.281	NO	1.42	5.846	47.01	47.02	1.01	1.01	NO	1405	82.1	1.15	
201	201 13C-PCB-156	590986.079	1.286	NO	1.40	5.846	48.31	48.34	1.04	1.04	NO	1377	80.5	1.17	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time
Printed: Friday, November 01, 2019 14:05:20 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check:RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	593744.828	1.276	NO	1.41	5.846	48.61	48.61	1.04	1.04	NO	1375	80.4	1.16	
203	203 13C-PCB-169	506444.532	1.220	NO	1.35	5.846	50.88	50.90	1.09	1.09	NO	1225	71.6	1.22	
204	204 13C-PCB-188	458258.547	0.456	NO	1.46	5.846	43.00	42.96	0.93	0.93	NO	1362	79.6	0.692	
205	205 13C-PCB-180	305478.352	0.459	NO	0.932	5.846	49.67	49.67	1.07	1.07	NO	1425	83.3	1.09	
206	206 13C-PCB-170	239359.211	0.449	NO	0.796	5.846	51.34	51.34	1.11	1.11	NO	1308	76.5	1.27	
207	207 13C-PCB-189	263122.688	0.445	NO	1.09	5.846	53.05	53.08	1.14	1.14	NO	1049	61.3	0.928	
208	208 13C-PCB-202	339790.265	0.960	NO	1.45	5.846	48.54	48.55	1.04	1.04	NO	1018	59.5	0.829	
209	209 13C-PCB-194	282575.391	0.901	NO	0.714	5.846	54.71	54.70	1.00	0.99	NO	1545	90.3	1.44	
210	210 13C-PCB-208	333690.079	0.783	NO	0.896	5.846	53.96	53.93	0.98	0.98	NO	1453	84.9	0.845	
211	211 13C-PCB-206	205557.086	0.796	NO	0.653	5.846	56.22	56.24	1.02	1.02	NO	1229	71.8	1.16	
212	212 13C-PCB-209	192864.492	1.205	NO	0.806	5.846	57.48	57.48	1.05	1.05	NO	934.1	54.6	1.05	
213	213 13C-PCB-15	1392353.0...	1.571	NO	1.00	5.846	25.49	25.51	1.00	0.00	NO	1710	100	0.486	
214	214 13C-PCB-31	1254955.8...	0.958	NO	1.00	5.846	28.64	28.64	1.00	0.00	NO	1710	100	4.21	
215	215 13C-PCB-60	998450.907	0.770	NO	1.00	5.846	36.66	36.67	1.00	0.00	NO	1710	100	0.881	
216	216 13C-PCB-111	664060.125	1.598	NO	1.00	5.846	39.22	39.24	1.00	0.00	NO	1710	100	0.580	
217	217 13C-PCB-128	525209.047	1.255	NO	1.00	5.846	46.58	46.58	1.00	0.00	NO	1710	100	1.64	
218	218 13C-PCB-182	393436.977	0.438	NO	1.00	5.846	46.41	46.41	0.00	0.00	NO	1710	100	1.01	
219	219 13C-PCB-205	438406.687	0.880	NO	1.00	5.846	54.98	54.98	1.00	0.00	NO	1710	100	1.03	
220	220 13C-PCB-79	839293.813	0.787	NO	1.03	5.846	37.77	37.77	1.03	1.03	NO	1393	81.5	0.854	
221	221 13C-PCB-178	296840.485	0.462	NO	0.875	5.846	45.86	45.84	0.99	0.99	NO	1105	64.6	0.836	
222	222 13C-PCB-79	839293.813	0.787	NO	1.05	5.846	37.75	37.77	0.97	0.97	NO	1663	97.2	1.03	
223	223 13C-PCB-178	296840.485	0.462	NO	0.975	5.846	45.88	45.84	0.92	0.92	NO	1705	99.7	1.31	
224	224 Total Mono-PCBs				1.01	5.846	0.00		0.00		NO	32.88		0.644	32.88
225	225 Total Di-PCBs				1.06	5.846	0.00		0.00		NO	177.2		4.22	177.2
226	226 2nd Function Tri-PCBs				0.914	5.846	0.00		0.00		NO	210.0	>665.4 ✓	1.95	210.0 >666.1 ✓
227	227 3rd Function Tri-PCBs				1.06	5.846	0.00		0.00		NO	455.4		5.03	456.1 ✓
228	228 Total Tetra-PCBs				0.986	5.846	0.00		0.00		NO	2139		11.3	2151
229	229 3rd Function Penta-PCBs				1.12	5.846	0.00		0.00		NO	3063	>3,227.3 ✓	12.6	3080 >3,244.3 ✓
230	230 4th Function Penta-PCBs				1.11	5.846	0.00		0.00		NO	164.3		2.35	164.3 >3,302 ✓
231	231 3rd Function Hexa-PCBs				0.774	5.846	0.00		0.00		NO	1075	>3,278 ✓	6.72	1099 >3,302 ✓
232	232 4th Function Hexa-PCBs				0.972	5.846	0.00		0.00		NO	2203		19.8	2203 ✓
233	233 Total Hepta-PCBs				1.26	5.846	0.00		0.00		NO	1875		10.4	1882
234	234 4th Function Octa-PCBs				0.886	5.846	0.00		0.00		NO	266.2	>394.9 ✓	4.74	270.9 >399.6 ✓
235	235 5th Function Octa-PCBs				1.20	5.846	0.00		0.00		NO	128.7		2.15	128.7 ✓

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

#	Name	Abs.Resp.	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.945	5.846	0.00		0.00		NO	103.1		2.04	103.1
237	237 Deca-CB				0.943	5.846	0.00		0.00		NO	104.1		1.19	104.1
238	238 Total PCBs														

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

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Printed: Friday, November 01, 2019 14:01:00 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

Total Mono-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	3 PCB-3	5.15e3	9.27e5	2.757	NO	18.15	18.17	9.424	9.424
2	2 PCB-2	7.30e3	9.27e5	2.914	NO	17.93	17.93	13.35	13.35
3	1 PCB-1	5.19e3	8.61e5	3.112	NO	15.52	15.52	10.11	10.11

Total Di-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	11 PCB-15	2.34e4	9.45e5	1.554	NO	25.55	25.53	41.25	41.25
2	10 PCB-12/13	4.50e3	9.45e5	1.444	NO	25.25	25.19	7.862	7.862
3	9 PCB-11	3.53e4	9.45e5	1.491	NO	24.82	24.82	58.25	58.25
4	7 PCB-5/8	2.43e4	1.08e6	1.541	NO	22.44	22.44	38.01	38.01
5	6 PCB-6	5.64e3	1.08e6	1.350	NO	22.03	22.03	8.770	8.770
6	5 PCB-7/9	2.34e3	1.08e6	1.539	NO	21.38	21.38	3.794	3.794
7	4 PCB-4/10	9.34e3	6.49e5	1.508	NO	19.58	19.52	19.30	19.30

2nd Function Tri-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	17 PCB-16/32	2.25e4	8.55e5	1.037	NO	26.76	26.75	56.96	56.96
2	16 PCB-24/27	3.74e3	8.55e5	1.040	NO	26.23	26.20	8.178	8.178
3	15 PCB-17	1.51e4	8.55e5	1.017	NO	25.62	25.62	45.18	45.18
4	14 PCB-18	2.57e4	8.55e5	0.996	NO	25.46	25.45	74.14	74.14
5	12 PCB-19	7.56e3	5.41e5	0.990	NO	23.77	23.77	25.58	25.58

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

3rd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	20 PCB-29	5.22e2	1.10e6	1.497	YES	27.93	27.91	0.0000	0.6960
2	18 PCB-34	1.15e3	1.10e6	1.027	NO	27.57	27.57	1.813	1.813
3	31 PCB-37	3.01e4	9.95e5	1.118	NO	32.84	32.84	46.76	46.76
4	30 PCB-35	2.07e3	9.95e5	1.188	NO	32.38	32.38	3.136	3.136
5	29 PCB-38	1.75e3	9.95e5	1.143	NO	31.84	31.80	2.667	2.667
6	26 PCB-22	2.64e4	1.10e6	1.024	NO	29.86	29.86	39.80	39.80
7	25 PCB-20/21/33	4.25e4	1.10e6	1.015	NO	29.39	29.43	66.01	66.01
8	24 PCB-28	1.02e5	1.10e6	1.030	NO	28.76	28.76	143.2	143.2
9	23 PCB-31	8.00e4	1.10e6	1.048	NO	28.68	28.67	110.9	110.9
10	22 PCB-25	1.02e4	1.10e6	1.129	NO	28.31	28.30	16.19	16.19
11	21 PCB-26	1.60e4	1.10e6	0.964	NO	28.14	28.13	24.96	24.96

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time

Printed: Friday, November 01, 2019 14:01:00 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

Total Tetra-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	32 PCB-54	2.30e3	7.48e5	0.728	NO	27.59	27.61	5.282	5.282
2	51 PCB-67	3.10e3	8.02e5	0.747	NO	34.62	34.63	6.654	6.654
3	50 PCB-57	7.03e2	8.02e5	0.842	NO	34.29	34.31	1.432	1.432
4	49 PCB-40	8.17e3	6.58e5	0.731	NO	33.95	33.92	36.84	36.84
5	48 PCB-68	1.18e3	6.58e5	0.567	YES	33.72	33.72	0.0000	2.299
6	47 PCB-41/64/71/72	6.89e4	6.58e5	0.733	NO	33.46	33.46	165.4	165.4
7	46 PCB-42/59	2.41e4	6.58e5	0.780	NO	32.84	32.90	65.26	65.26
8	45 PCB-44	6.14e4	6.58e5	0.738	NO	32.63	32.67	209.6	209.6
9	42 PCB-48/75	1.49e4	6.58e5	0.710	NO	31.91	31.93	37.76	37.76
10	41 PCB-47	4.00e4	6.58e5	0.714	NO	31.80	31.80	119.7	119.7
11	40 PCB-43/49	7.67e4	6.12e5	0.715	NO	31.56	31.59	227.9	227.9
12	38 PCB-52/69	1.16e5	6.12e5	0.722	NO	31.28	31.28	296.9	296.9
13	37 PCB-46	3.54e3	6.12e5	0.758	NO	30.77	30.77	13.14	13.14
14	36 PCB-45	7.95e3	6.12e5	0.701	NO	30.27	30.27	27.49	27.49
15	35 PCB-51	7.87e3	6.12e5	0.798	NO	29.82	29.83	21.47	21.47
16	34 PCB-53	1.42e4	6.12e5	0.662	NO	29.47	29.47	41.60	41.60
17	33 PCB-50	5.00e2	7.48e5	0.869	NO	28.79	28.80	1.464	1.464
18	61 PCB-78	6.59e2	8.26e5	0.714	NO	38.50	38.46	1.321	1.321
19	60 PCB-79	2.84e3	8.34e5	0.584	YES	37.80	37.81	0.0000	4.731
20	59 PCB-56/60	6.91e4	8.34e5	0.761	NO	36.68	36.67	151.7	151.7
21	58 PCB-55	1.82e3	8.34e5	0.688	NO	36.18	36.15	3.494	3.494
22	56 PCB-76/66	1.25e5	8.02e5	0.730	NO	35.57	35.63	249.4	249.4
23	55 PCB-61/70	1.48e5	8.02e5	0.742	NO	35.41	35.41	320.9	320.9
24	54 PCB-74	4.62e4	8.02e5	0.760	NO	35.19	35.19	92.43	92.43
25	53 PCB-63	4.90e3	8.02e5	0.780	NO	34.90	34.91	10.86	10.86
26	52 PCB-58	8.42e2	8.02e5	0.579	YES	34.75	34.74	0.0000	1.362
27	63 PCB-77	1.50e4	8.00e5	0.808	NO	39.65	39.67	31.06	31.06
28	62 PCB-81	1.67e3	8.26e5	0.626	YES	39.04	39.09	0.0000	3.273
29	39 PCB-73	4.35e2	6.12e5	0.455	YES	31.40	31.41	0.0000	0.6776

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

3rd Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	74 PCB-89	1.28e3	4.21e5	2.359	YES	37.28	37.25	0.0000	4.130
2	73 PCB-84/92	4.99e4	4.21e5	1.498	NO	37.07	37.06	230.7	230.7
3	71 PCB-88/91	1.87e4	4.37e5	1.527	NO	36.12	36.13	82.16	82.16
4	69 PCB-95/98/102	9.87e4	4.37e5	1.580	NO	35.64	35.72	381.0	381.0
5	68 PCB-94	8.45e2	4.37e5	1.946	YES	35.17	35.17	0.0000	3.718
6	67 PCB-100	2.59e3	5.19e5	1.404	NO	34.76	34.68	10.99	10.99
7	66 PCB-103	3.09e3	5.19e5	1.334	NO	34.39	34.33	13.14	13.14
8	65 PCB-96	1.54e3	5.19e5	1.498	NO	33.82	33.77	5.084	5.084
9	90 PCB-107/109	1.16e4	5.01e5	1.461	NO	41.29	41.29	34.10	34.10
10	89 PCB-124	6.24e3	5.01e5	1.688	NO	41.15	41.12	18.32	18.32
11	88 PCB-82	1.07e4	5.01e5	1.582	NO	40.41	40.41	54.35	54.35
12	87 PCB-110	1.79e5	3.76e5	1.528	NO	39.77	39.78	549.2	549.2
13	86 PCB-120	1.21e3	3.76e5	1.946	YES	39.63	39.63	0.0000	2.840
14	85 PCB-85/116	1.97e4	3.76e5	1.636	NO	39.36	39.37	73.67	73.67
15	84 PCB-111/115	2.15e3	3.76e5	1.820	YES	39.24	39.24	0.0000	5.546
16	83 PCB-87/117/125	4.36e4	3.76e5	1.513	NO	39.07	39.09	148.6	148.6
17	81 PCB-97	3.14e4	3.76e5	1.402	NO	38.82	38.81	132.8	132.8
18	79 PCB-108/112	5.56e3	3.76e5	1.607	NO	38.43	38.44	20.24	20.24
19	78 PCB-119	5.89e3	3.76e5	1.610	NO	38.27	38.27	18.20	18.20
20	77 PCB-99	6.56e4	4.21e5	1.489	NO	37.80	37.81	238.2	238.2
21	75 PCB-90/101	1.41e5	4.21e5	1.526	NO	37.46	37.47	605.9	605.9
22	92 PCB-106/118	1.43e5	5.19e5	1.525	NO	41.66	41.64	440.2	440.2
23	91 PCB-123	2.00e3	5.01e5	1.423	NO	41.46	41.46	6.552	6.552
24	76 PCB-113	1.83e2	4.21e5	0.426	YES	37.70	37.66	0.0000	0.2961

4th Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	95 PCB-105	6.87e4	7.26e5	1.559	NO	43.21	43.21	147.0	147.0
2	94 PCB-122	2.09e3	7.25e5	1.345	NO	42.45	42.45	5.064	5.064
3	93 PCB-114	4.35e3	7.25e5	1.758	NO	42.32	42.32	8.824	8.824
4	97 PCB-126	1.58e3	6.61e5	1.357	NO	45.52	45.52	3.372	3.372

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time

Printed: Friday, November 01, 2019 14:01:00 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

3rd Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	110 PCB-140	1.03e3	3.41e5	1.319	NO	41.78	41.79	8.275	8.275
2	109 PCB-139/149	8.91e4	3.41e5	1.315	NO	41.59	41.59	605.5	605.5
3	108 PCB-147	2.28e3	3.41e5	1.281	NO	41.31	41.33	17.32	17.32
4	107 PCB-144	4.36e3	3.41e5	1.963	YES	41.18	41.20	0.0000	24.84
5	106 PCB-135	1.41e4	3.41e5	1.181	NO	41.08	41.08	99.01	99.01
6	105 PCB-151	2.60e4	3.41e5	1.212	NO	40.85	40.86	206.5	206.5
7	104 PCB-154	2.87e3	3.41e5	1.355	NO	40.18	40.19	19.86	19.86
8	103 PCB-148	4.10e2	3.41e5	1.309	NO	39.69	39.69	2.970	2.970
9	102 PCB-136	1.88e4	3.41e5	1.282	NO	39.58	39.58	112.1	112.1
10	100 PCB-152	1.51e2	3.41e5	1.159	NO	38.78	38.78	0.7559	0.7559
11	99 PCB-150	3.87e2	3.41e5	1.396	NO	38.29	38.29	2.206	2.206

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	124 PCB-166	8.38e2	6.24e5	1.080	NO	46.00	45.99	2.148	2.148
2	123 PCB-129	5.15e3	5.08e5	1.220	NO	45.50	45.52	21.15	21.15
3	122 PCB-158/160	2.31e4	5.08e5	1.192	NO	45.25	45.26	65.91	65.91
4	121 PCB-138/163/164	2.45e5	5.08e5	1.189	NO	45.01	45.01	671.5	671.5
5	120 PCB-130	9.86e3	4.88e5	1.269	NO	44.63	44.63	41.14	41.14
6	119 PCB-137	5.69e3	4.88e5	1.190	NO	44.52	44.52	20.20	20.20
7	118 PCB-141	3.70e4	4.88e5	1.175	NO	44.14	44.14	134.0	134.0
8	117 PCB-168	6.60e2	6.05e5	1.214	NO	43.61	43.59	1.830	1.830
9	116 PCB-153	2.53e5	6.05e5	1.205	NO	43.38	43.38	705.8	705.8
10	115 PCB-132/161	5.57e4	6.05e5	1.202	NO	43.20	43.23	161.4	161.4
11	114 PCB-146/165	4.46e4	6.05e5	1.230	NO	42.96	42.96	131.4	131.4
12	112 PCB-131/133	6.50e3	6.05e5	1.120	NO	42.56	42.55	23.24	23.24
13	111 PCB-134/143	8.47e3	6.05e5	1.184	NO	42.27	42.24	32.62	32.62
14	129 PCB-157	4.03e3	5.94e5	1.056	NO	48.65	48.65	11.86	11.86
15	128 PCB-156	2.17e4	5.91e5	1.157	NO	48.36	48.36	59.46	59.46
16	127 PCB-167	8.89e3	6.14e5	1.188	NO	47.04	47.04	23.74	23.74
17	126 PCB-128/162	2.68e4	6.24e5	1.227	NO	46.62	46.60	86.22	86.22
18	125 PCB-159	3.76e3	6.24e5	1.106	NO	46.33	46.39	9.197	9.197

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time
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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	143 PCB-177	3.09e4	3.05e5	0.991	NO	48.08	48.06	139.4	139.4
2	141 PCB-174	4.97e4	3.05e5	0.997	NO	47.80	47.79	228.2	228.2
3	140 PCB-185	5.71e3	3.05e5	1.112	NO	47.43	47.42	24.23	24.23
4	139 PCB-183	3.13e4	4.58e5	0.993	NO	46.73	46.73	122.2	122.2
5	138 PCB-182/187	7.50e4	4.58e5	1.035	NO	46.40	46.39	291.6	291.6
6	137 PCB-175	2.20e3	4.58e5	0.963	NO	46.20	46.24	9.681	9.681
7	136 PCB-178	1.17e4	4.58e5	0.908	NO	45.84	45.88	52.74	52.74
8	134 PCB-176	9.31e3	4.58e5	1.029	NO	44.72	44.72	29.98	29.98
9	133 PCB-179	3.35e4	4.58e5	1.022	NO	44.25	44.25	106.3	106.3
10	132 PCB-184	2.46e2	4.58e5	1.046	NO	43.44	43.46	0.7861	0.7861
11	131 PCB-188	2.72e2	4.58e5	0.964	NO	43.00	42.98	0.8501	0.8501
12	153 PCB-189	1.47e3	2.63e5	0.949	NO	53.10	53.10	7.178	7.178
13	152 PCB-190	1.01e4	2.39e5	0.938	NO	51.54	51.56	39.12	39.12
14	151 PCB-170	3.83e4	2.39e5	1.031	NO	51.36	51.36	201.1	201.1
15	150 PCB-191	2.15e3	3.05e5	0.786	YES	50.16	50.18	0.0000	6.574
16	149 PCB-193	6.88e3	3.05e5	1.098	NO	49.92	49.90	25.03	25.03
17	148 PCB-180	1.15e5	3.05e5	1.016	NO	49.69	49.69	487.2	487.2
18	146 PCB-172	8.14e3	3.05e5	1.054	NO	49.29	49.27	34.89	34.89
19	145 PCB-173	8.89e2	3.05e5	1.160	NO	48.81	48.82	4.361	4.361
20	144 PCB-171	1.40e4	3.05e5	1.050	NO	48.37	48.36	63.30	63.30
21	142 PCB-181	1.75e3	3.05e5	1.079	NO	47.90	47.87	6.945	6.945

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

4th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	159 PCB-198	6.72e2	3.40e5	0.953	NO	52.04	52.06	4.518	4.518
2	158 PCB-200	3.03e3	3.40e5	0.876	NO	50.49	50.48	15.96	15.96
3	157 PCB-197	1.06e3	3.40e5	1.179	YES	49.54	49.56	0.0000	4.709
4	156 PCB-204	1.82e2	3.40e5	0.902	NO	49.22	49.23	0.9356	0.9356
5	155 PCB-201	3.19e3	3.40e5	1.001	NO	49.08	49.08	17.57	17.57
6	154 PCB-202	5.18e3	3.40e5	0.886	NO	48.59	48.59	25.46	25.46
7	161 PCB-196/203	1.59e4	3.40e5	0.845	NO	52.48	52.49	101.7	101.7
8	160 PCB-199	1.40e4	3.40e5	0.859	NO	52.16	52.19	100.1	100.1

5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	162 PCB-195	6.51e3	2.83e5	0.898	NO	53.80	53.80	38.11	38.11
2	164 PCB-205	1.02e3	2.83e5	0.981	NO	54.98	55.00	4.400	4.400
3	163 PCB-194	1.65e4	2.83e5	0.889	NO	54.72	54.72	86.21	86.21

Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	167 PCB-206	8.30e3	2.06e5	1.337	NO	56.26	56.26	69.93	69.93
2	166 PCB-207	1.93e3	3.34e5	1.142	NO	54.26	54.28	10.84	10.84
3	165 PCB-208	4.08e3	3.34e5	1.352	NO	53.95	53.94	22.38	22.38

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	168 PCB-209	1.11e4	1.93e5	1.209	NO	57.48	57.50	104.1	104.1

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

Last Altered: Friday, November 01, 2019 14:00:01 Pacific Daylight Time

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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

Total Mono-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	170 13C-PCB-3	9.27e5	1.39e6	3.326	NO	18.17	18.14	1044	
2	169 13C-PCB-1	8.61e5	1.39e6	3.065	NO	15.52	15.51	982.1	

Total Di-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	213 13C-PCB-15	1.39e6	1.39e6	1.571	NO	25.49	25.51	1710	
2	173 13C-PCB-11	9.45e5	1.39e6	1.578	NO	24.80	24.80	1194	
3	172 13C-PCB-9	1.08e6	1.39e6	1.586	NO	21.35	21.32	1335	
4	171 13C-PCB-4	6.49e5	1.39e6	1.600	NO	19.52	19.50	1246	

2nd Function Tri-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	175 13C-PCB-32	8.55e5	1.39e6	1.009	NO	26.75	26.74	1154	
2	174 13C-PCB-19	5.41e5	1.39e6	1.008	NO	23.75	23.74	1043	

3rd Function Tri-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	177 13C-PCB-37	9.95e5	1.25e6	0.967	NO	32.72	32.80	1413	
2	176 13C-PCB-28	1.10e6	1.25e6	0.960	NO	28.74	28.75	1400	
3	214 13C-PCB-31	1.25e6	1.25e6	0.958	NO	28.64	28.64	1710	

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Tetra-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	182 13C-PCB-80	8.34e5	9.98e5	0.766	NO	35.84	35.84	1366	
2	181 13C-PCB-70	8.02e5	9.98e5	0.767	NO	35.41	35.39	1363	
3	180 13C-PCB-47	6.58e5	9.98e5	0.750	NO	31.78	31.78	1262	
4	179 13C-PCB-52	6.12e5	9.98e5	0.749	NO	31.26	31.24	1243	
5	178 13C-PCB-54	7.48e5	9.98e5	0.766	NO	27.60	27.57	1167	
6	184 13C-PCB-77	8.00e5	9.98e5	0.766	NO	39.65	39.63	1429	
7	183 13C-PCB-81	8.26e5	9.98e5	0.766	NO	39.04	39.02	1437	
8	220 13C-PCB-79	8.39e5	9.98e5	0.787	NO	37.77	37.77	1393	
9	215 13C-PCB-60	9.98e5	9.98e5	0.770	NO	36.66	36.67	1710	

3rd Function Penta-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	185 13C-PCB-104	5.19e5	6.64e5	1.668	NO	32.45	32.51	1219	
2	188 13C-PCB-97	3.76e5	6.64e5	1.628	NO	38.79	38.78	1366	
3	187 13C-PCB-101	4.21e5	6.64e5	1.602	NO	37.44	37.44	1334	
4	186 13C-PCB-95	4.37e5	6.64e5	1.648	NO	35.70	35.69	1320	
5	190 13C-PCB-118	5.19e5	6.64e5	1.613	NO	41.62	41.62	1370	
6	189 13C-PCB-123	5.01e5	6.64e5	1.649	NO	41.44	41.44	1400	
7	216 13C-PCB-111	6.64e5	6.64e5	1.598	NO	39.22	39.24	1710	

4th Function Penta-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	193 13C-PCB-127	7.65e5	5.25e5	1.524	NO	43.52	43.53	1536	
2	192 13C-PCB-105	7.26e5	5.25e5	1.509	NO	43.18	43.19	1493	
3	191 13C-PCB-114	7.25e5	5.25e5	1.554	NO	42.29	42.30	1554	
4	194 13C-PCB-126	6.61e5	5.25e5	1.524	NO	45.49	45.50	1488	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-9B.qld

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4th Function Hexa-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	202 13C-PCB-157	5.94e5	5.25e5	1.276	NO	48.61	48.61	1375	
2	201 13C-PCB-156	5.91e5	5.25e5	1.286	NO	48.31	48.34	1377	
3	200 13C-PCB-167	6.14e5	5.25e5	1.281	NO	47.01	47.02	1405	
4	217 13C-PCB-128	5.25e5	5.25e5	1.255	NO	46.58	46.58	1710	
5	199 13C-PCB-159	6.24e5	5.25e5	1.245	NO	46.29	46.32	1418	
6	198 13C-PCB-138	5.08e5	5.25e5	1.259	NO	44.98	44.97	1402	
7	197 13C-PCB-141	4.88e5	5.25e5	1.281	NO	44.10	44.12	1391	
8	196 13C-PCB-153	6.05e5	5.25e5	1.253	NO	43.35	43.36	1385	
9	203 13C-PCB-169	5.06e5	5.25e5	1.220	NO	50.88	50.90	1225	

5th Function Octa-Isotopes

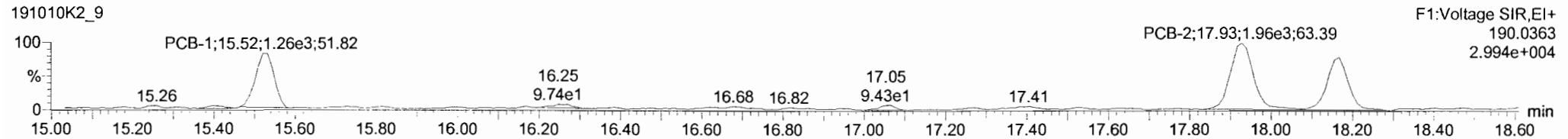
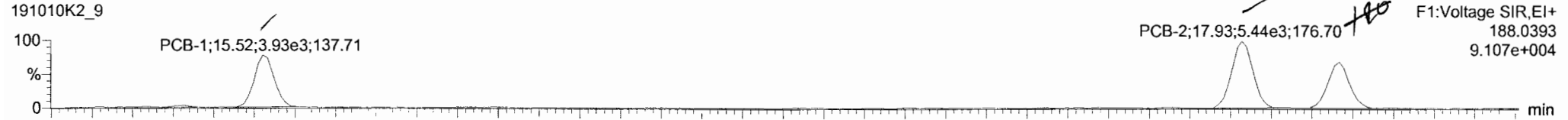
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1	219 13C-PCB-205	4.38e5	4.38e5	0.880	NO	54.98	54.98	1710	
2	209 13C-PCB-194	2.83e5	4.38e5	0.901	NO	54.71	54.70	1545	

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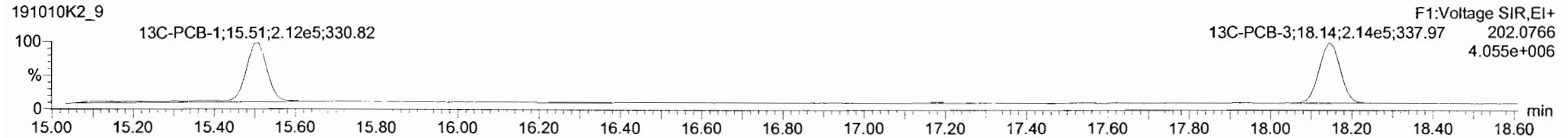
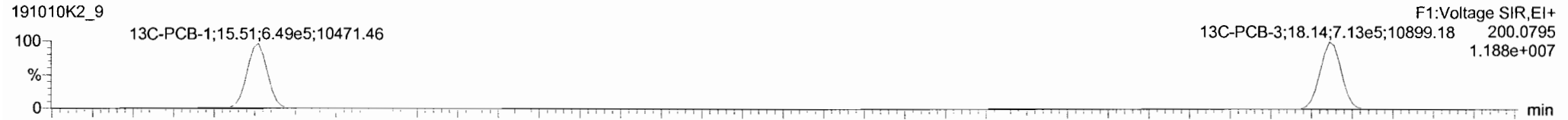
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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

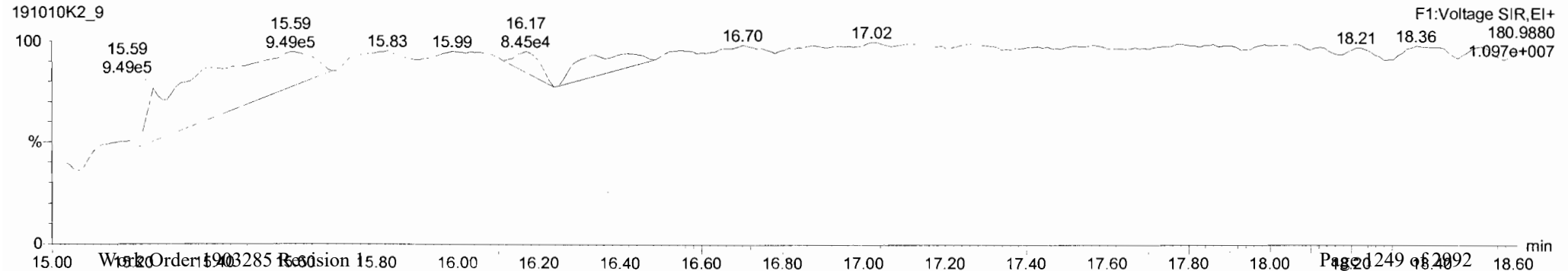
PCB-1

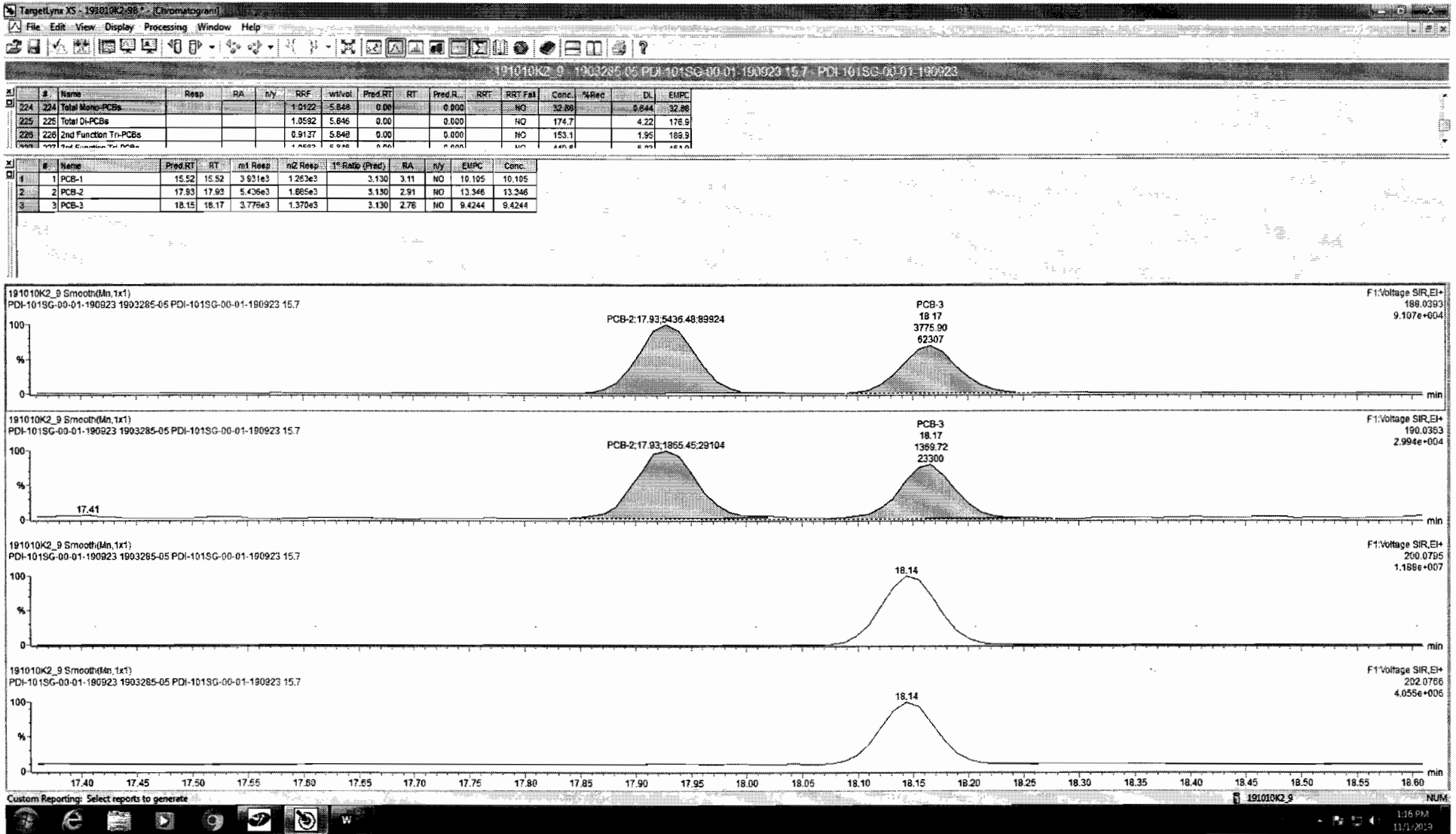


13C-PCB-1



PFK1





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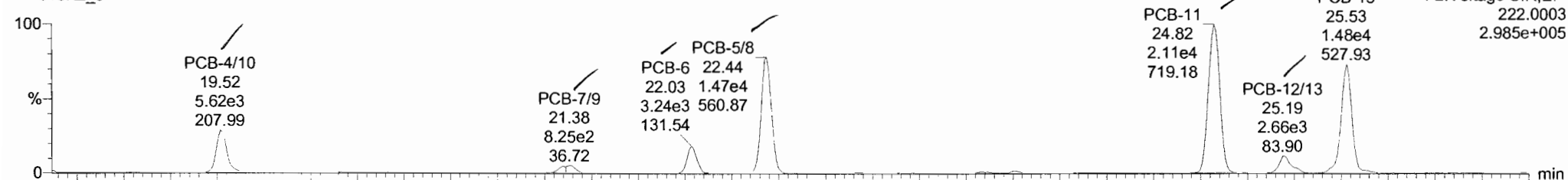
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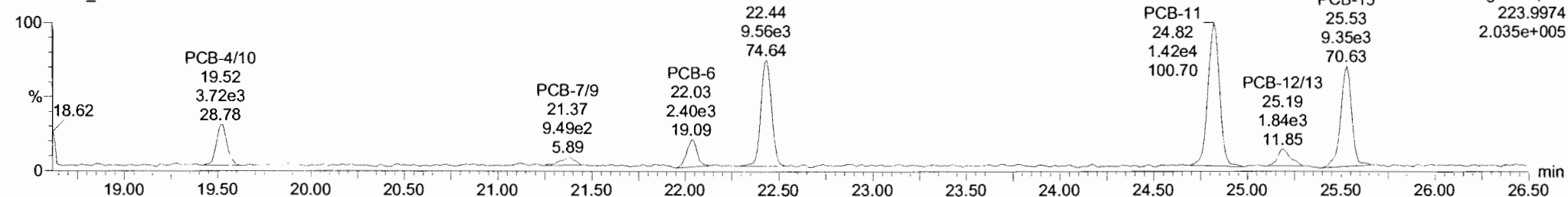
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PCB-4/10

191010K2_9

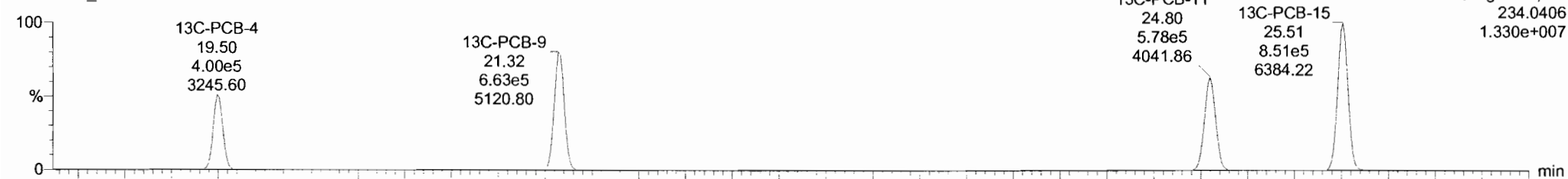


191010K2_9

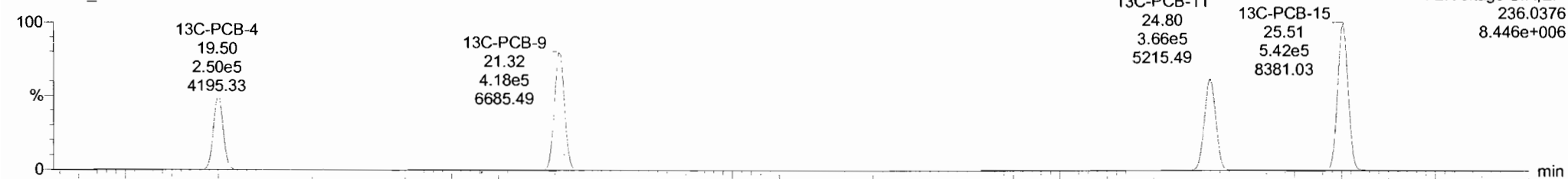


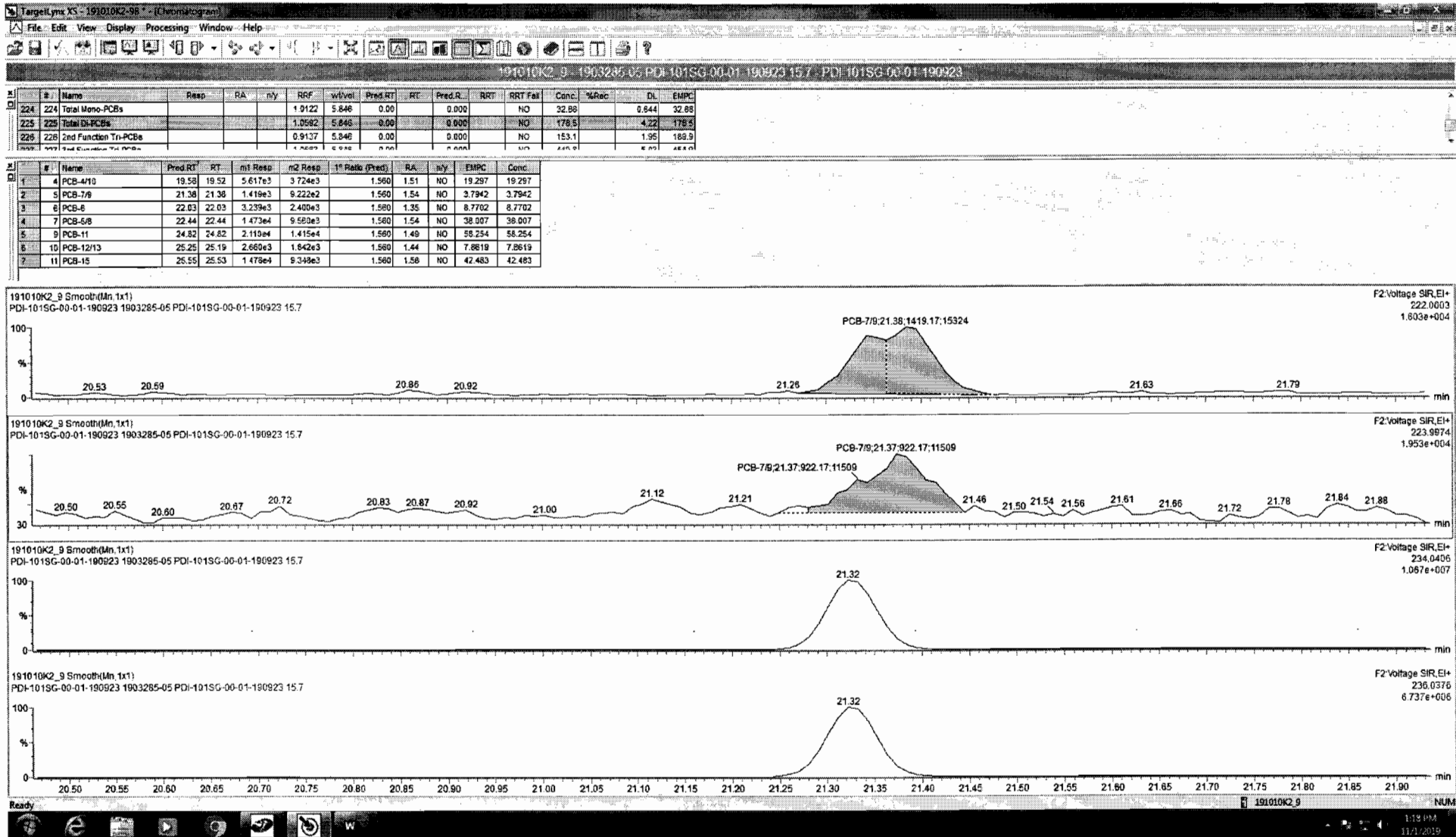
13C-PCB-4

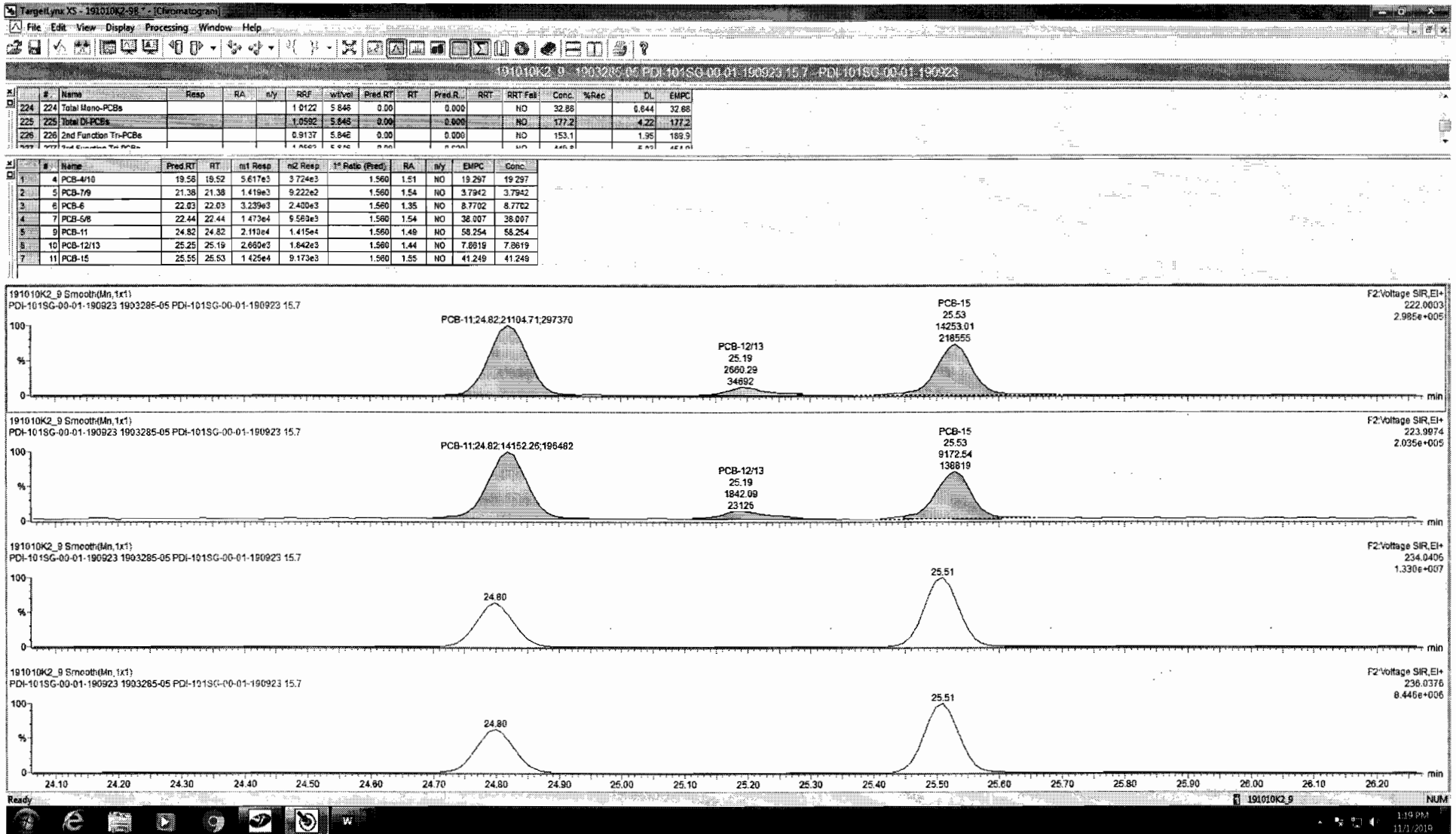
191010K2_9



191010K2_9







Dataset: Untitled

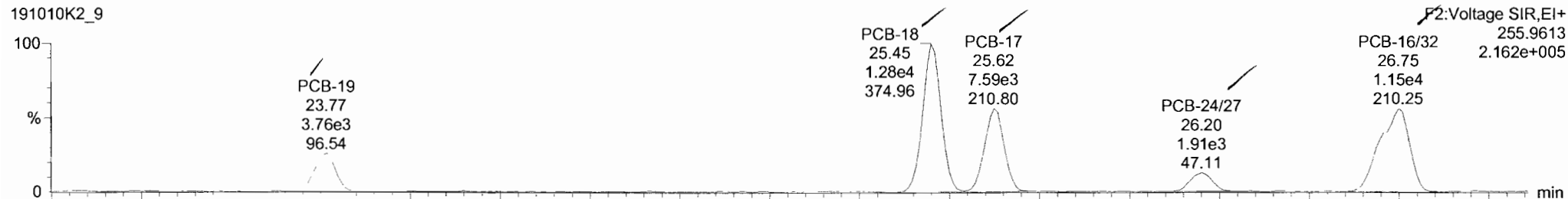
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

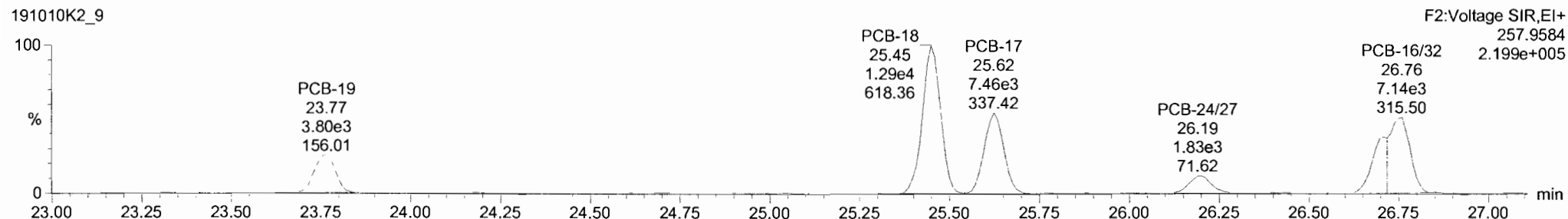
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PCB-19

191010K2_9

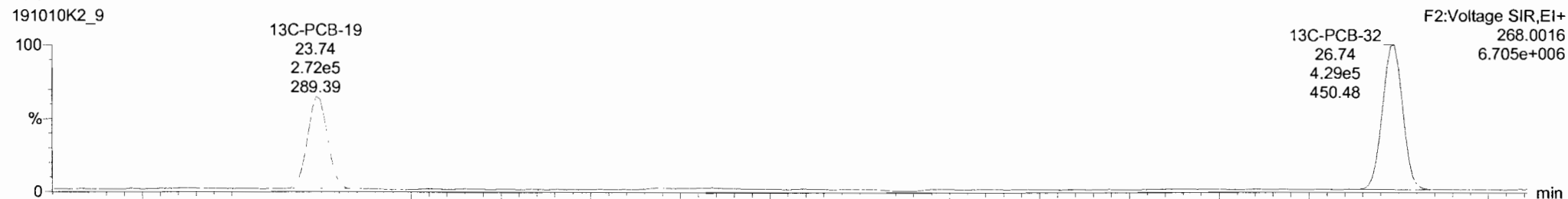


191010K2_9

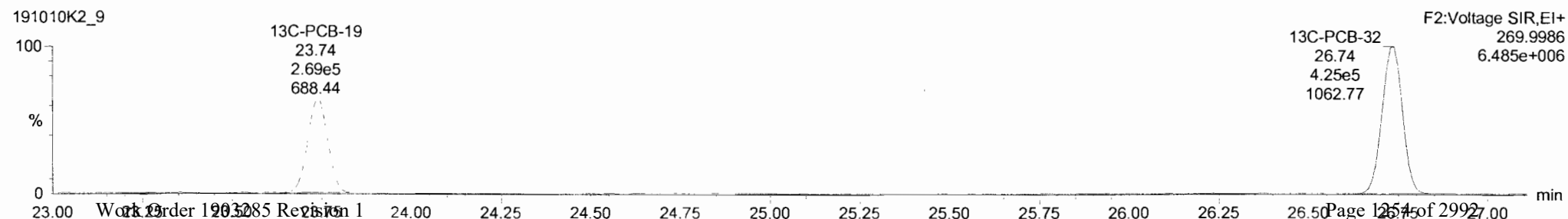


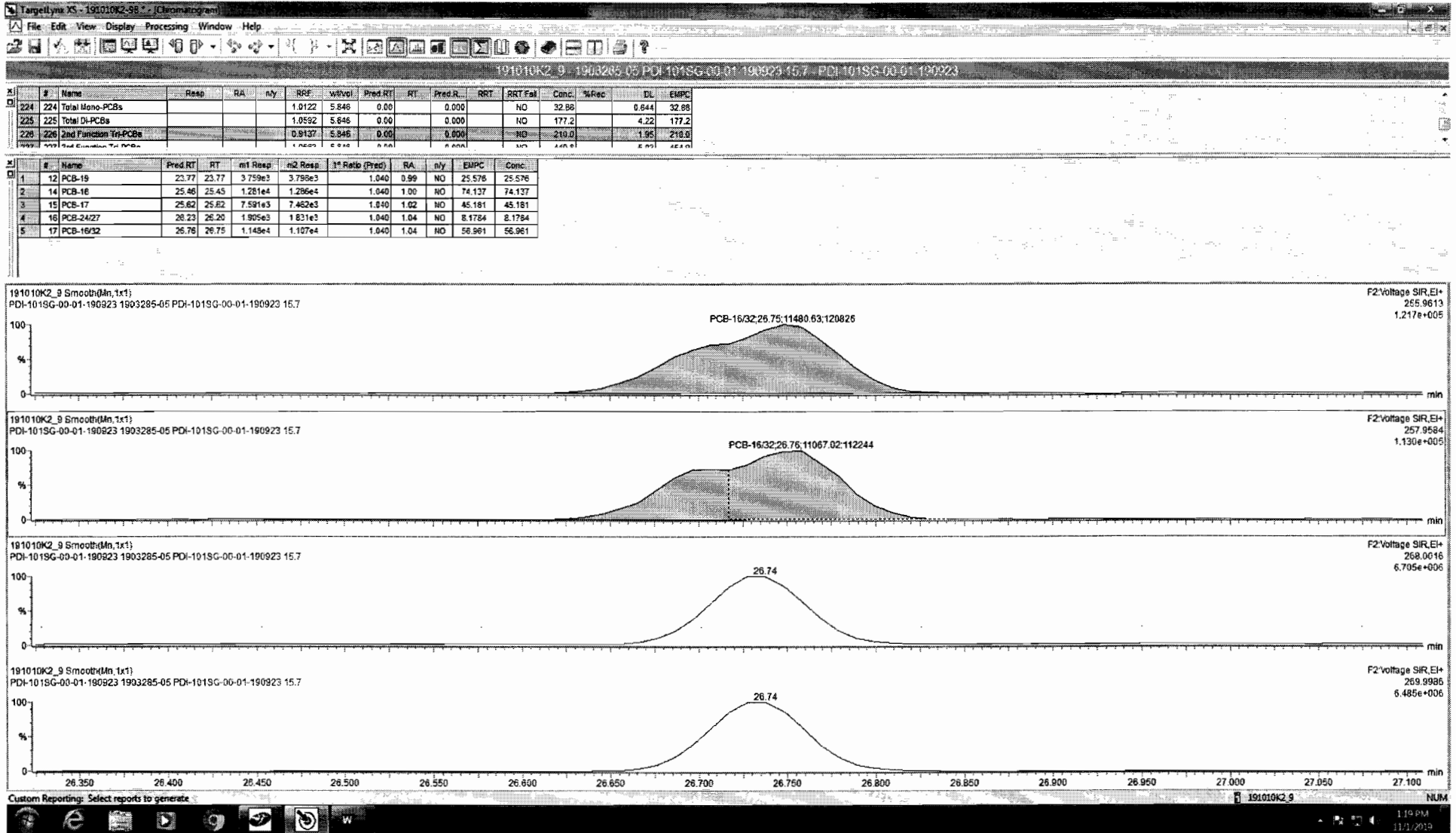
13C-PCB-19

191010K2_9



191010K2_9



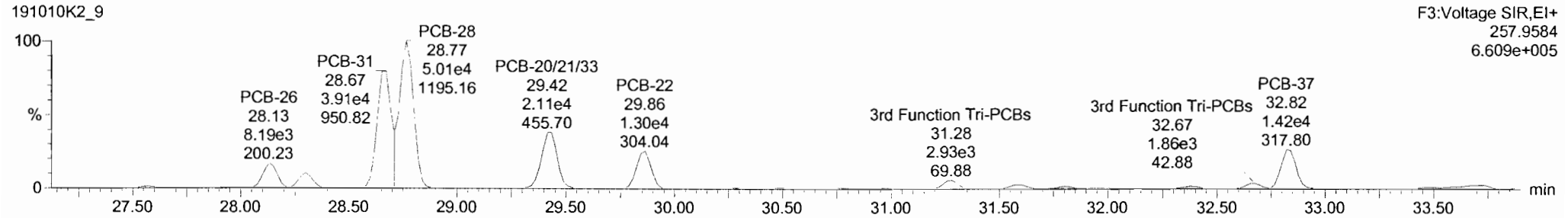
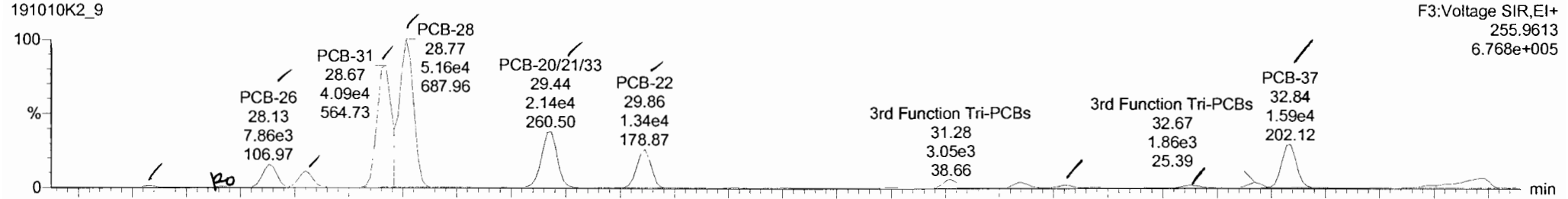


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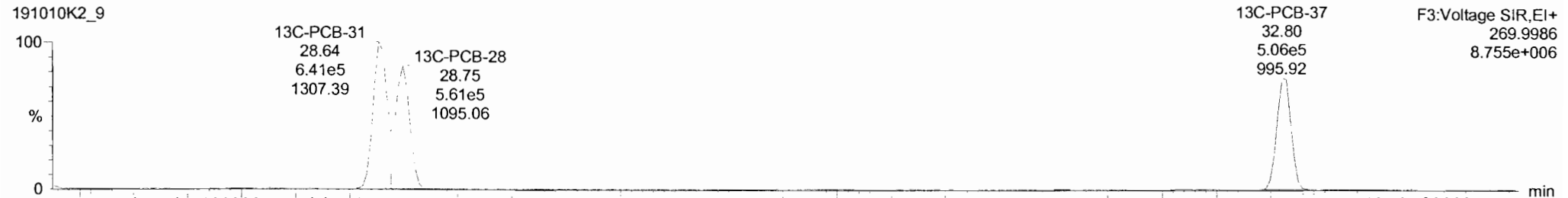
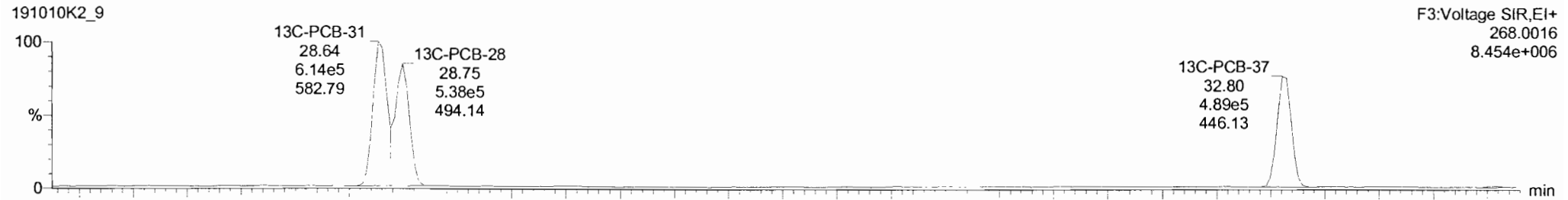
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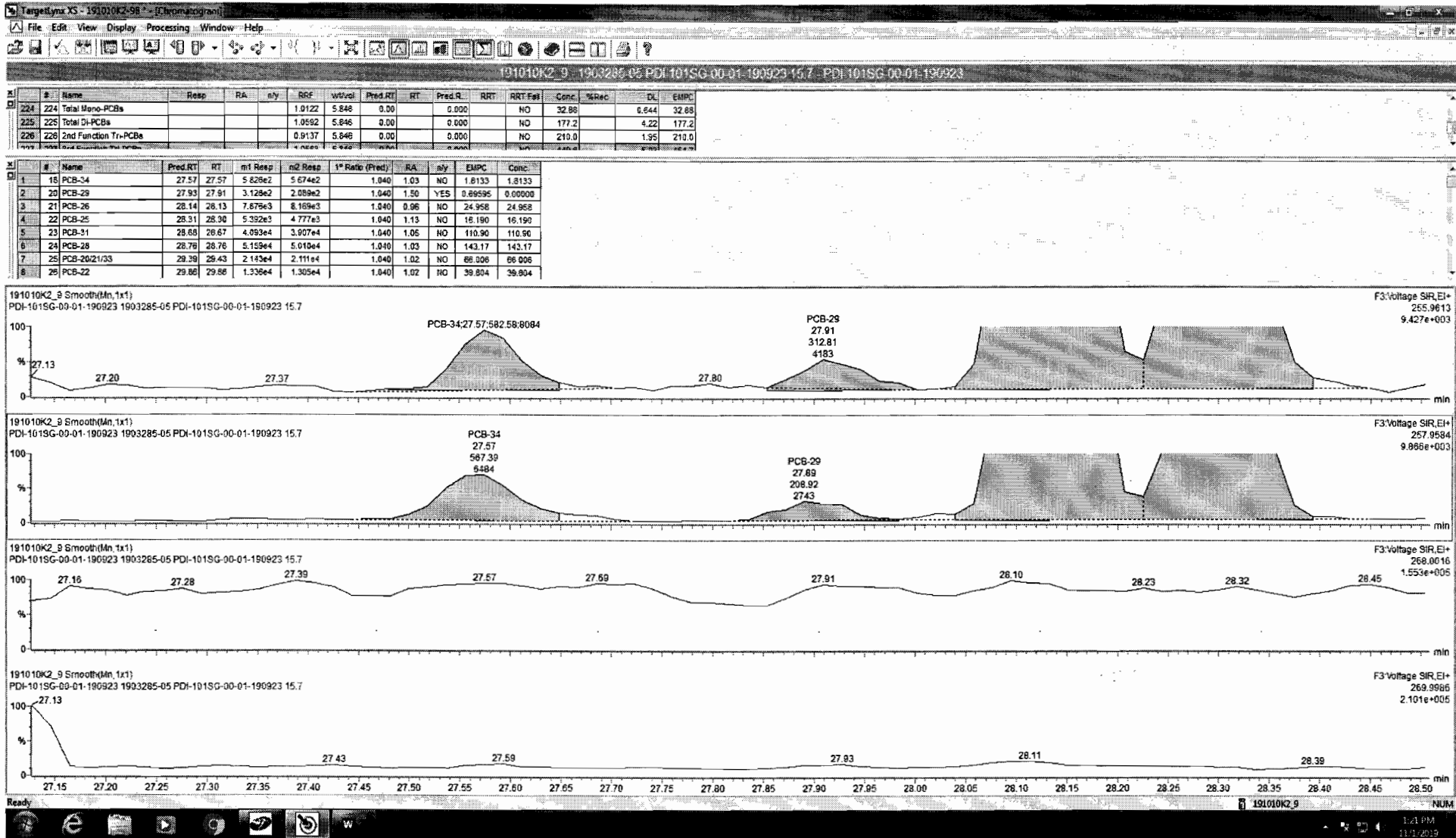
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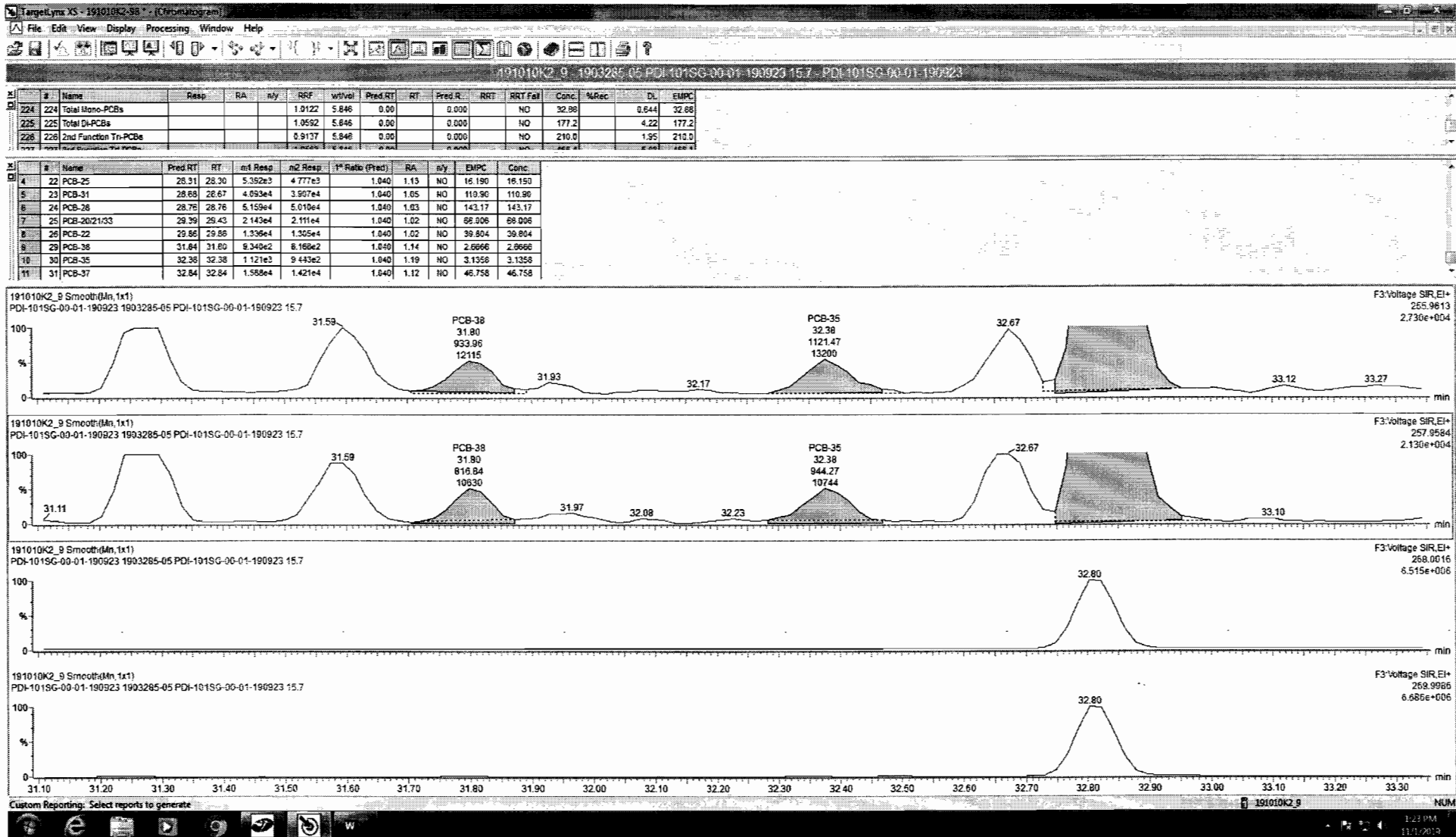
PCB-34



13C-PCB-28







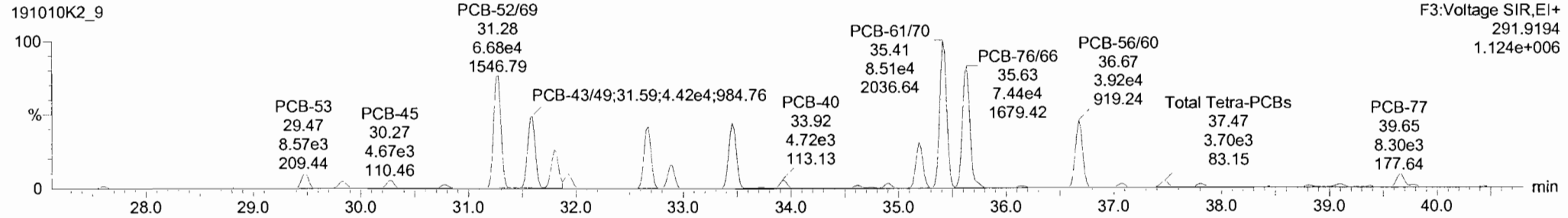
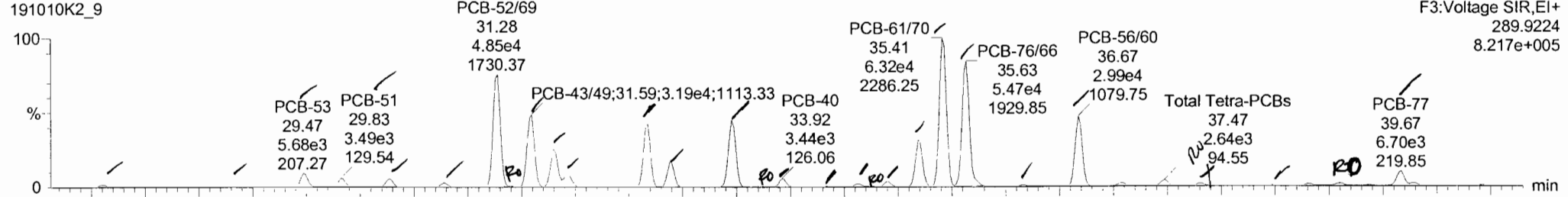
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Last Altered: Friday, October 11, 2019 13:12:56 Pacific Daylight Time

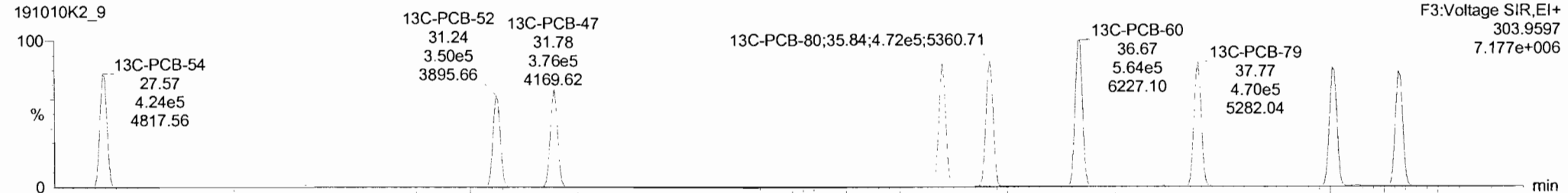
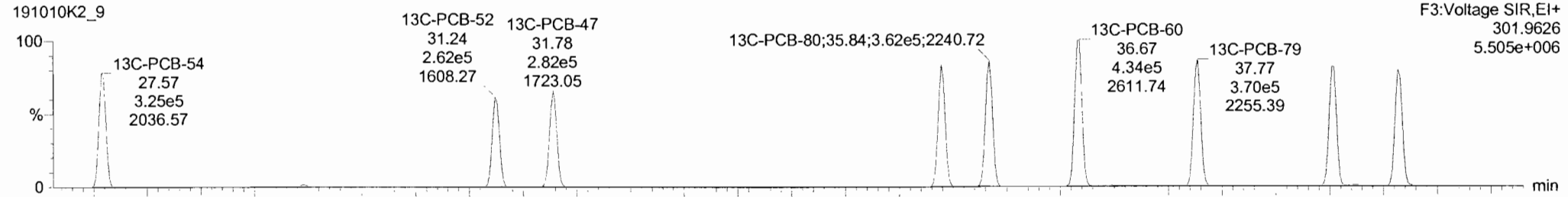
Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

PCB-54



13C-PCB-54



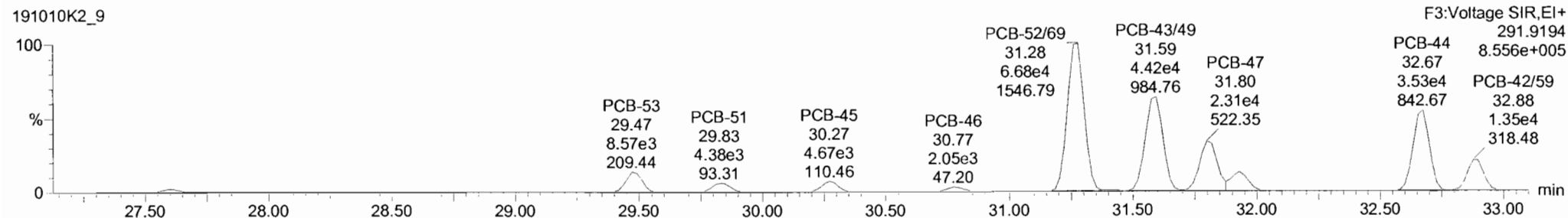
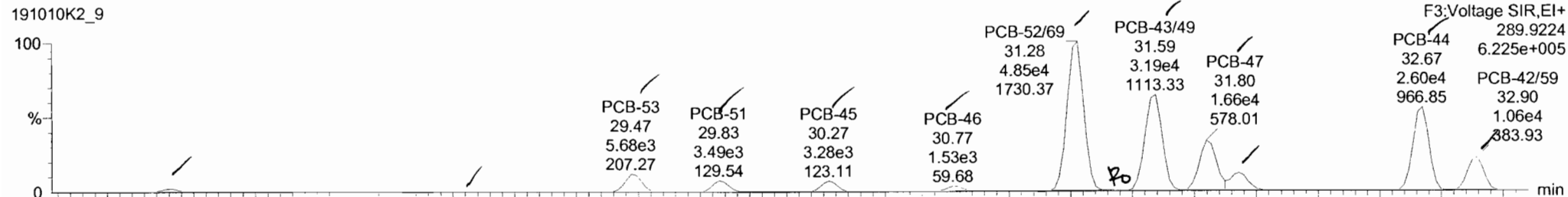
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Last Altered: Friday, October 11, 2019 13:12:56 Pacific Daylight Time

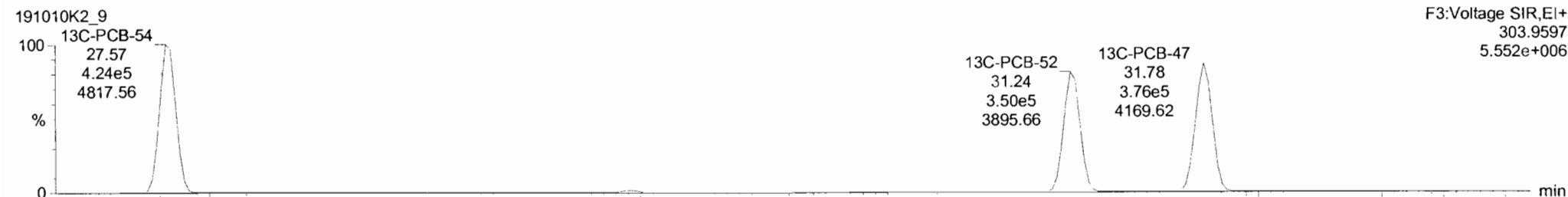
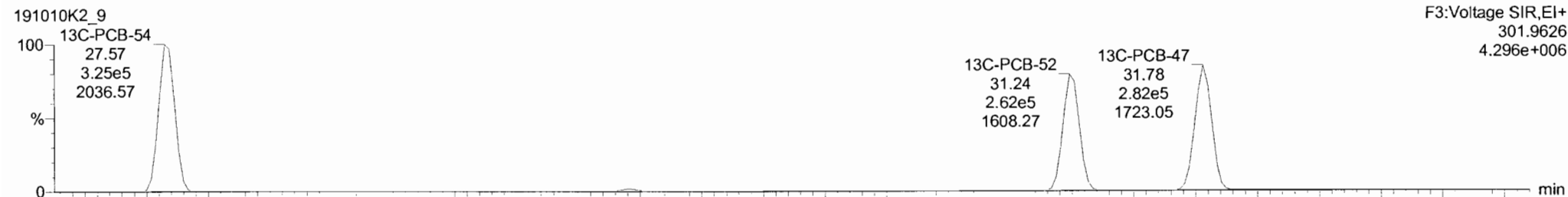
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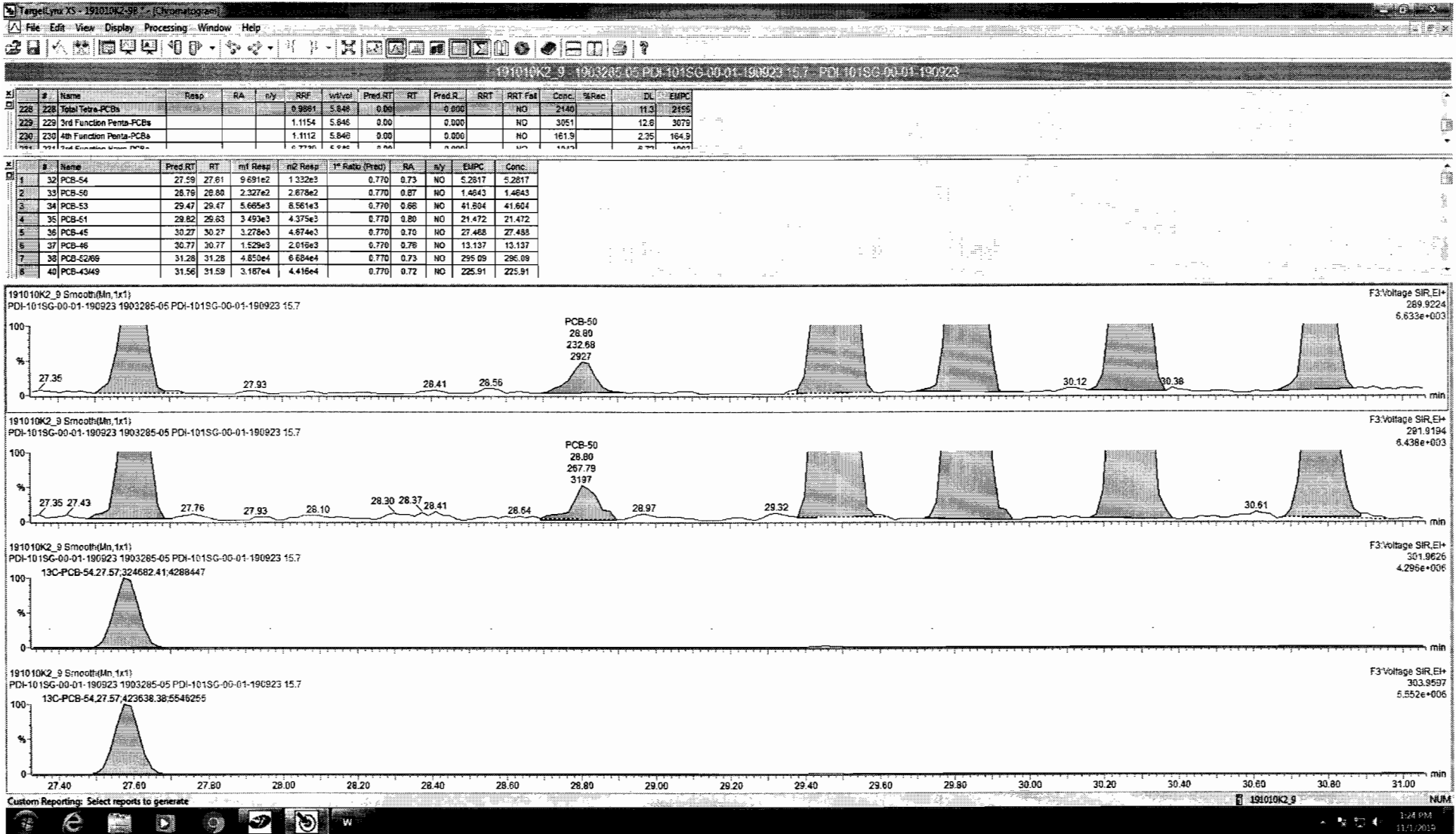
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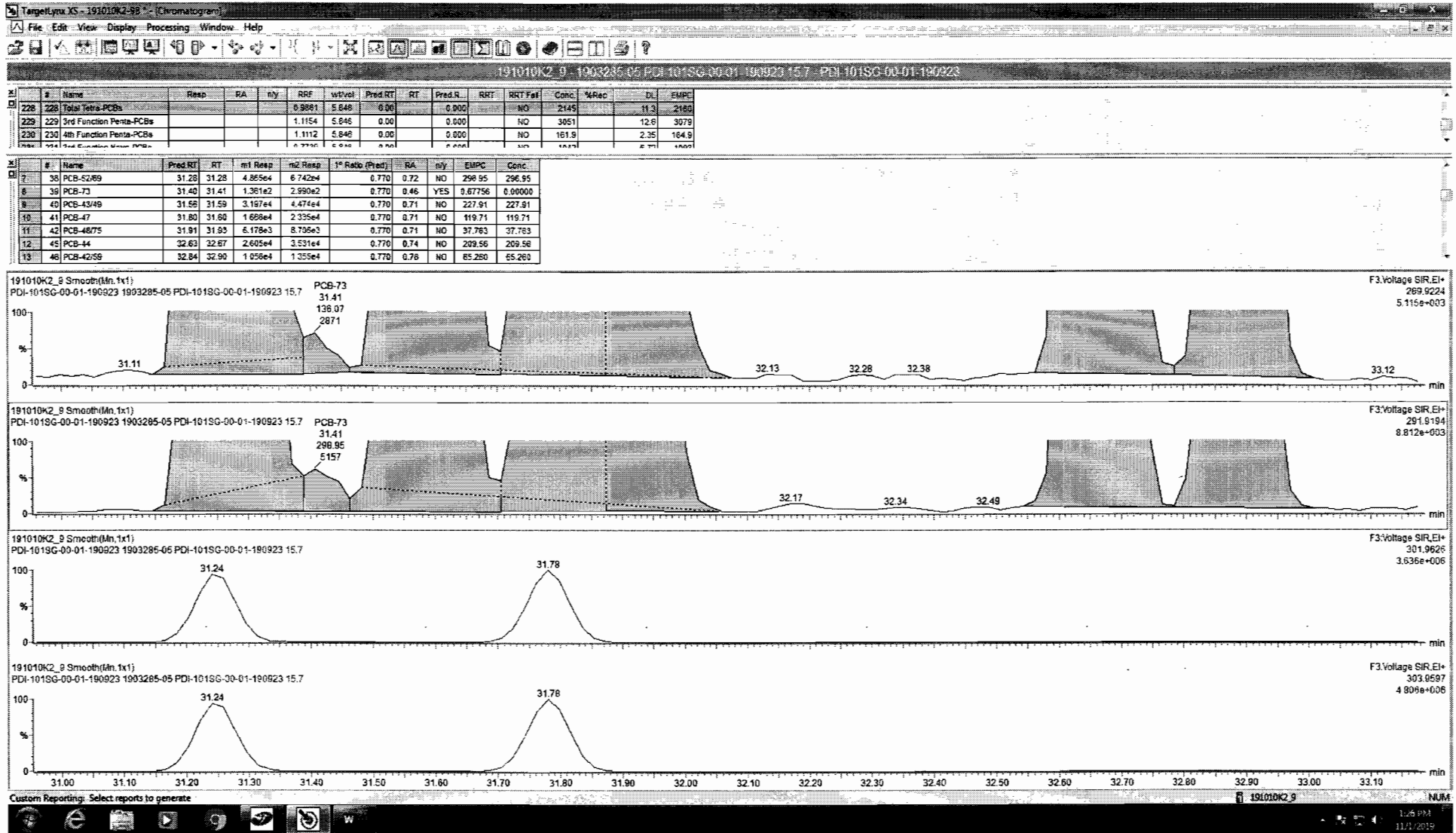
PCB-50



13C-PCB-52





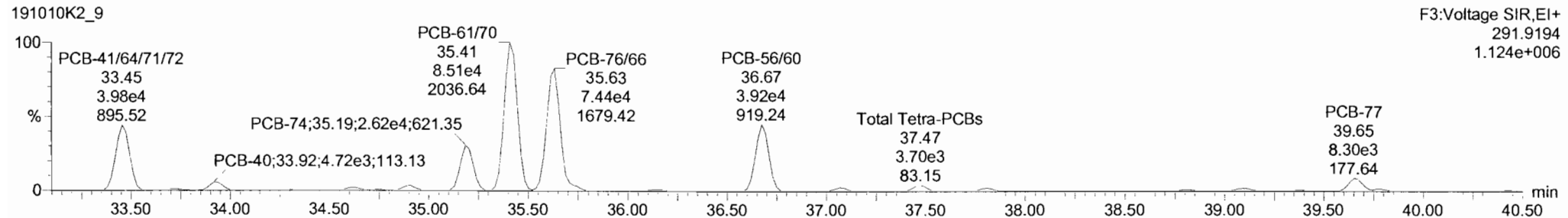
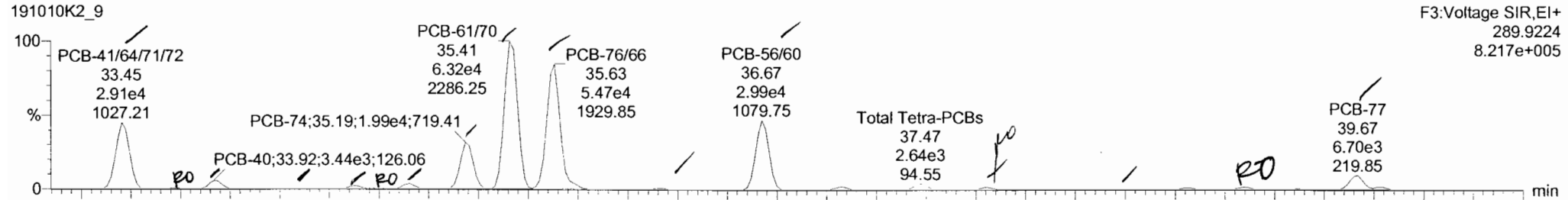


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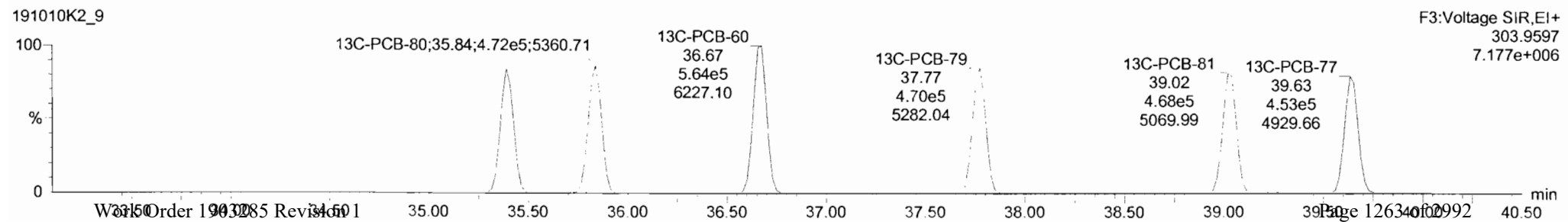
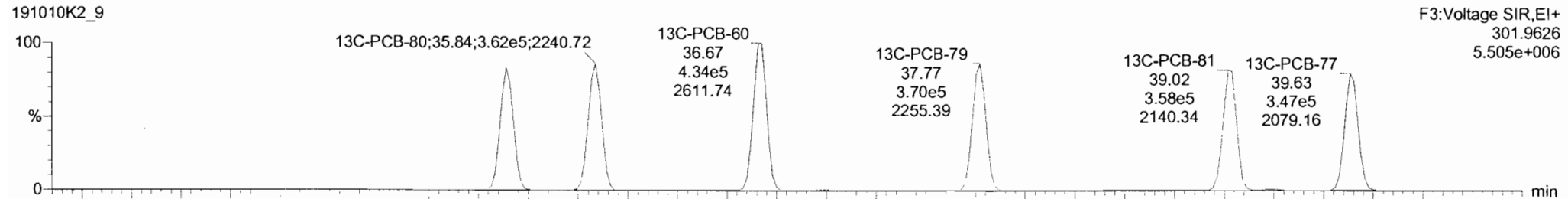
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

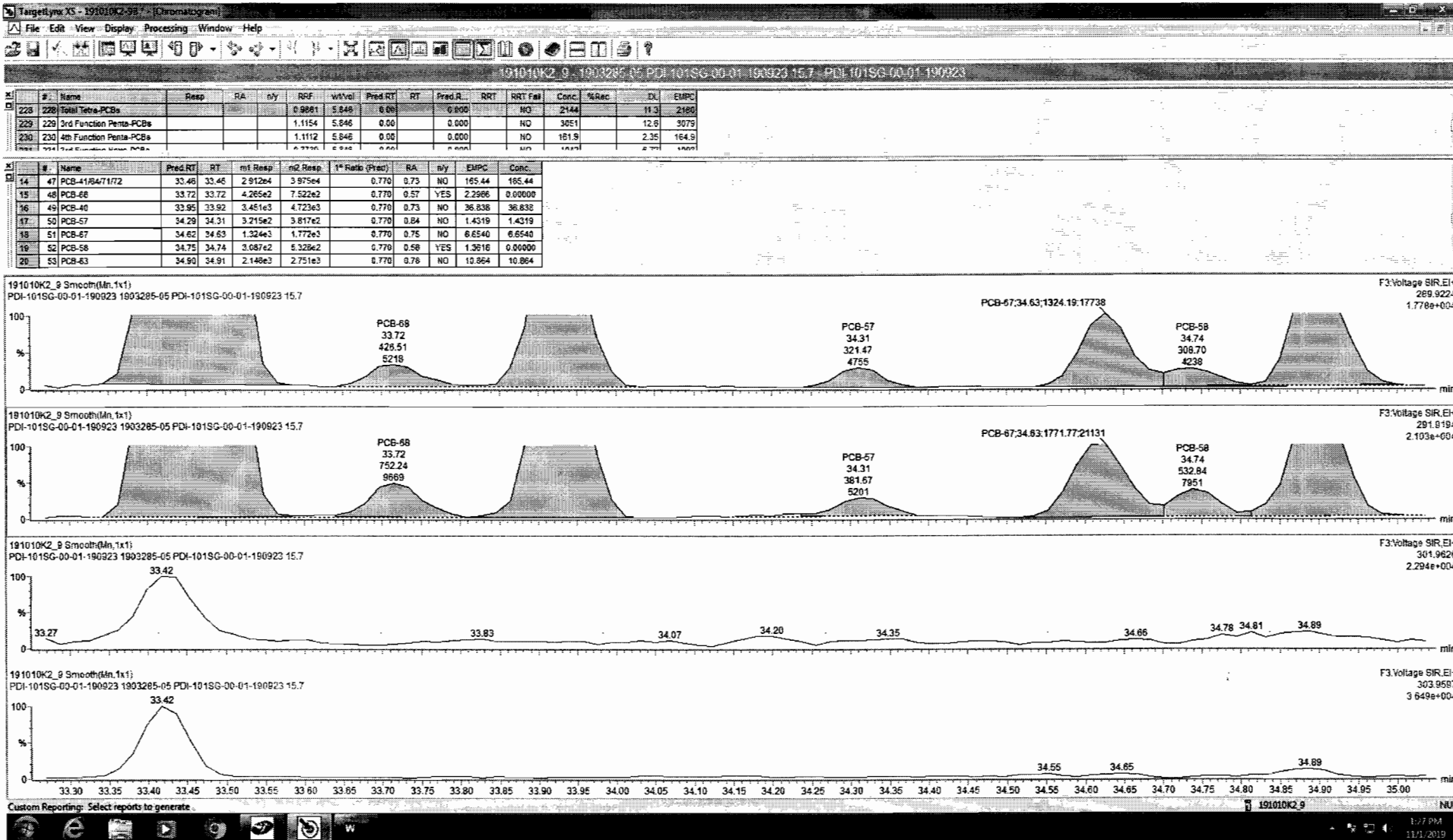
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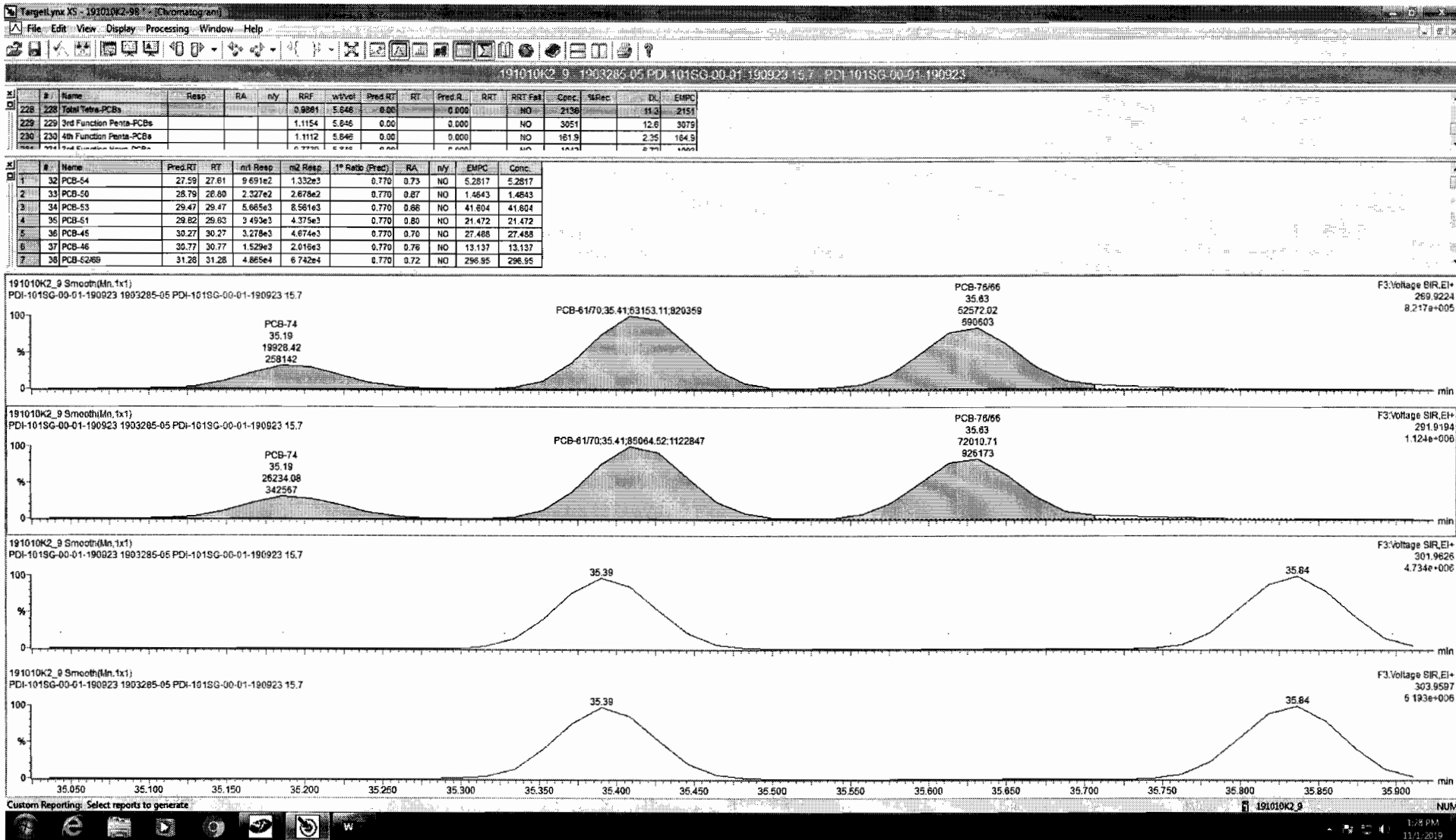
PCB-68

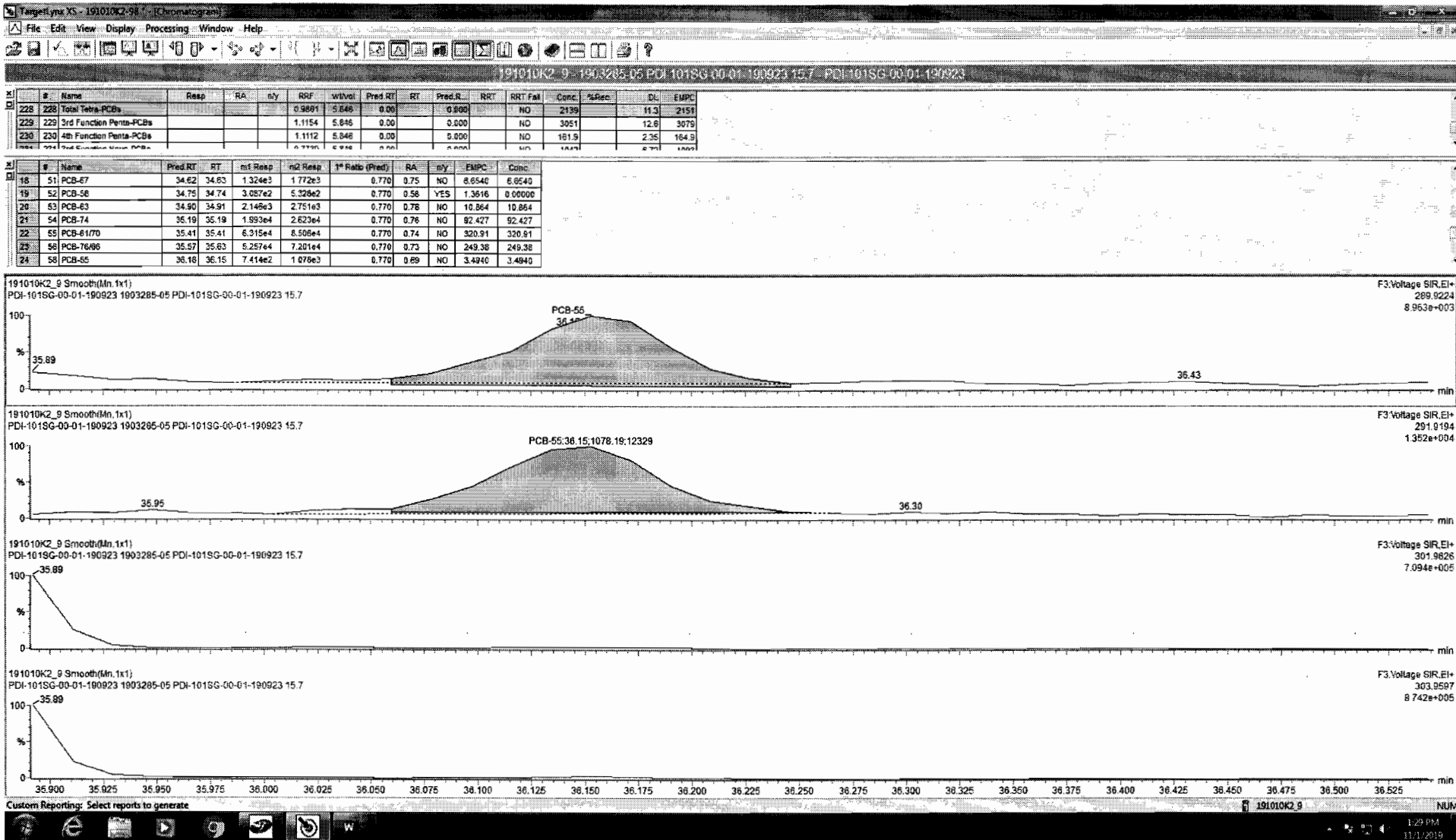


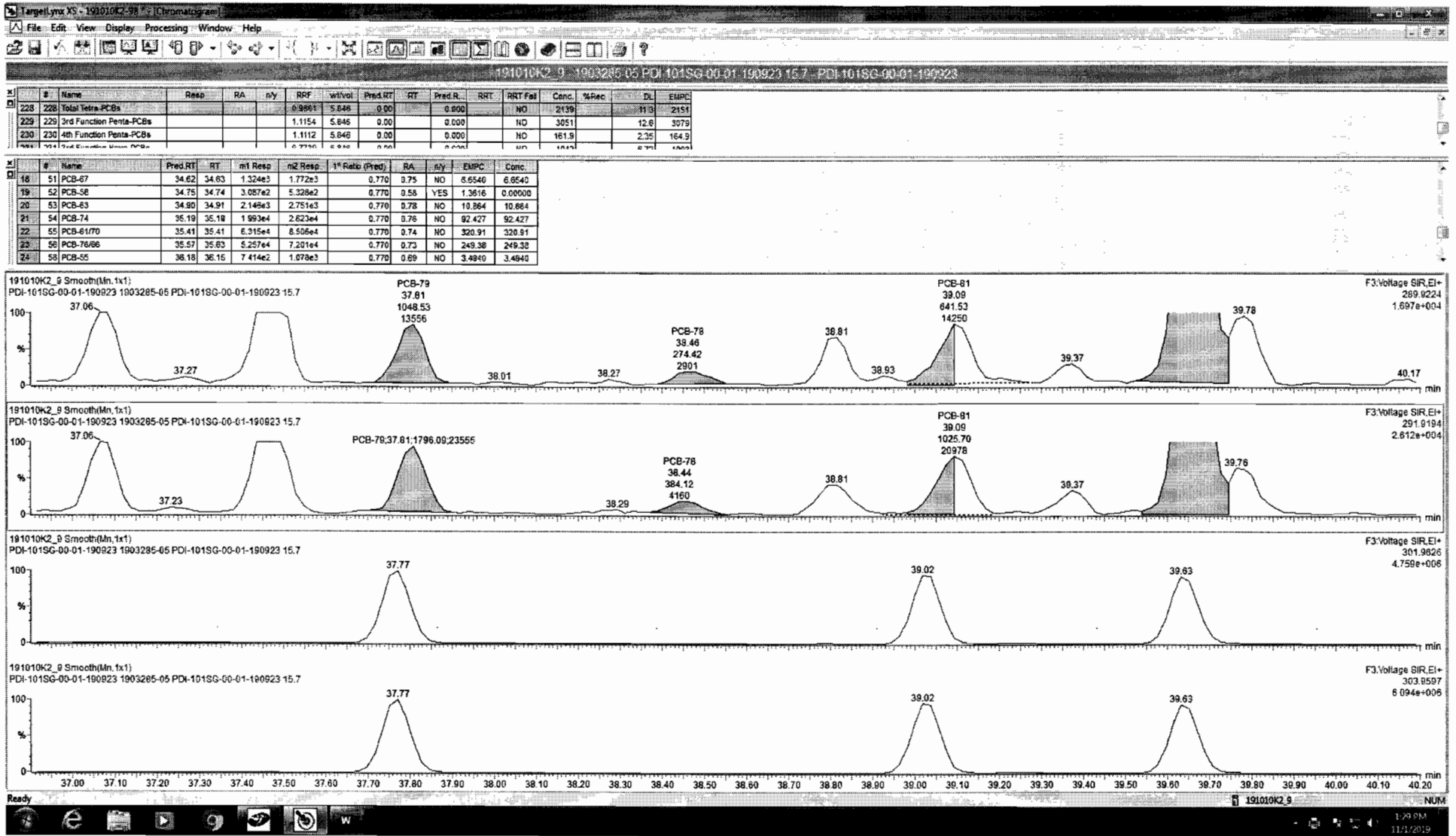
13C-PCB-60











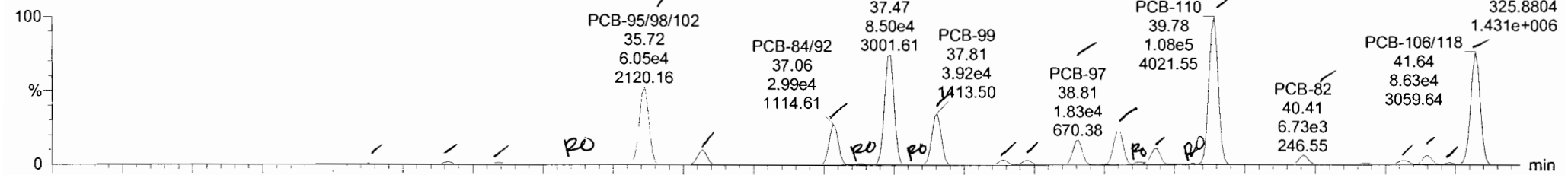
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

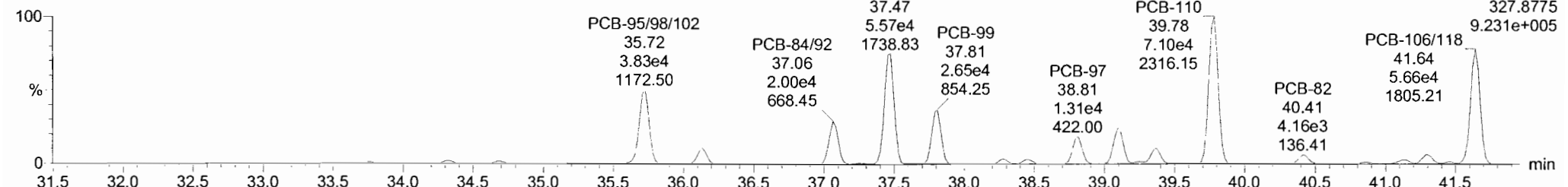
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PCB-104

191010K2_9

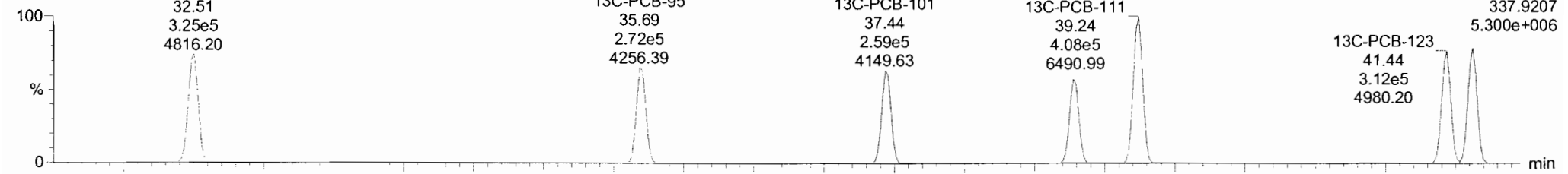


191010K2_9

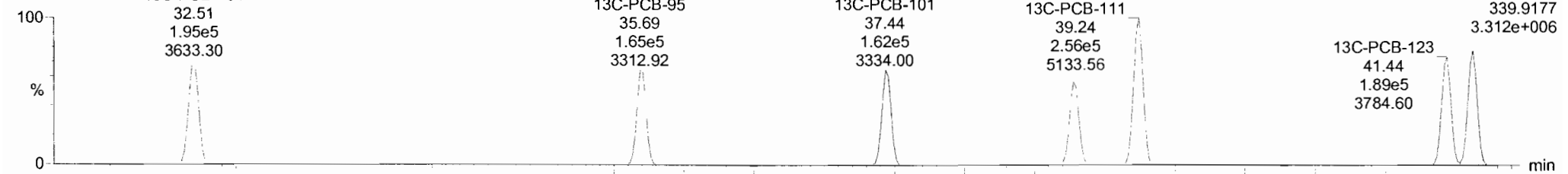


13C-PCB-104

191010K2_9



191010K2_9

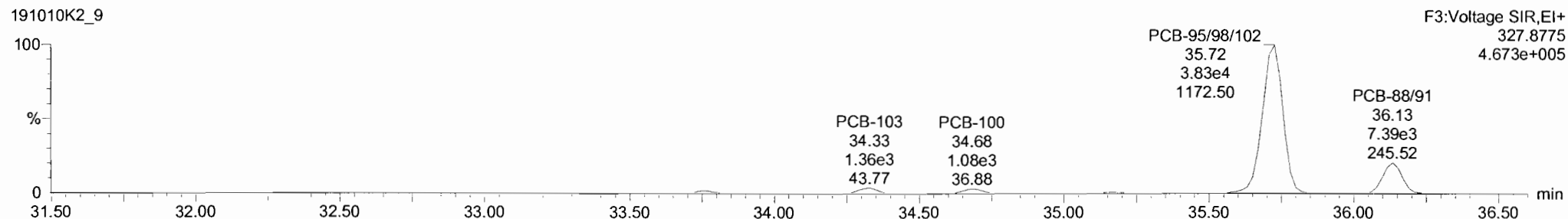
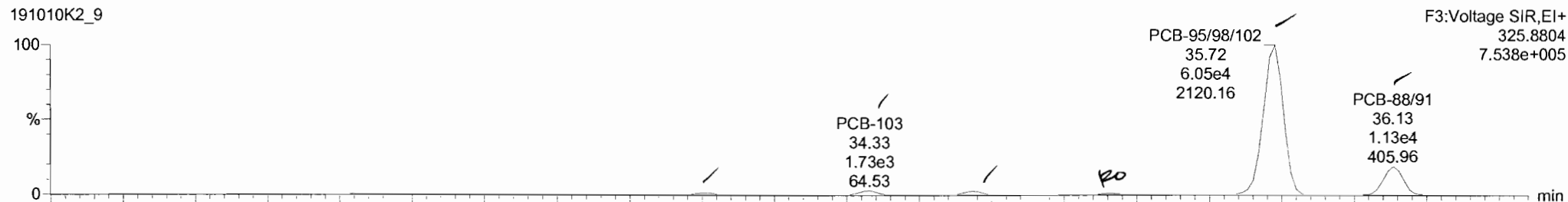


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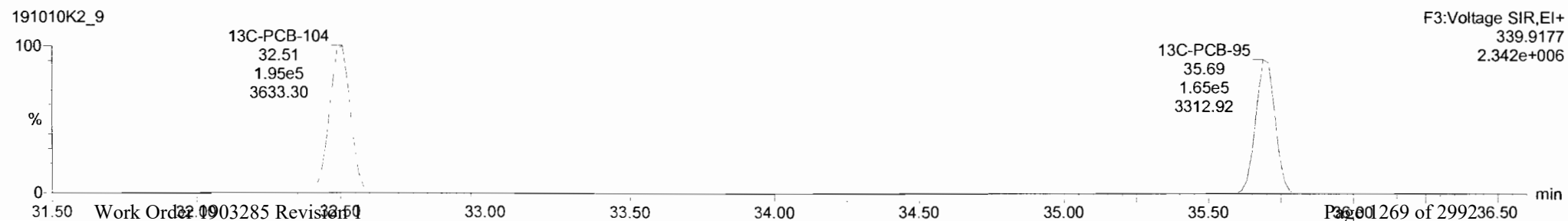
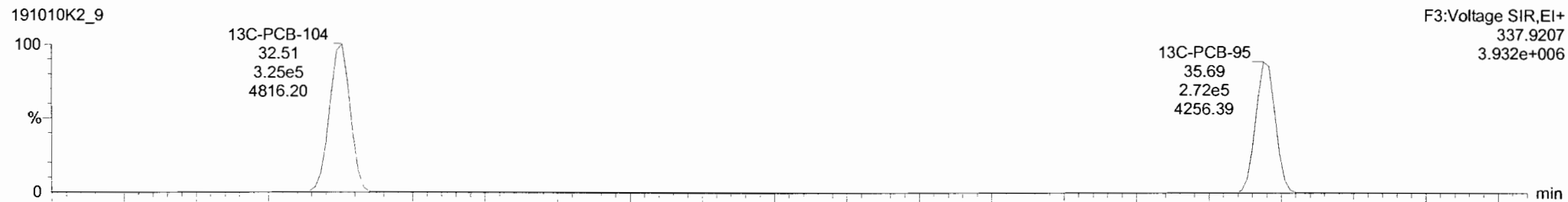
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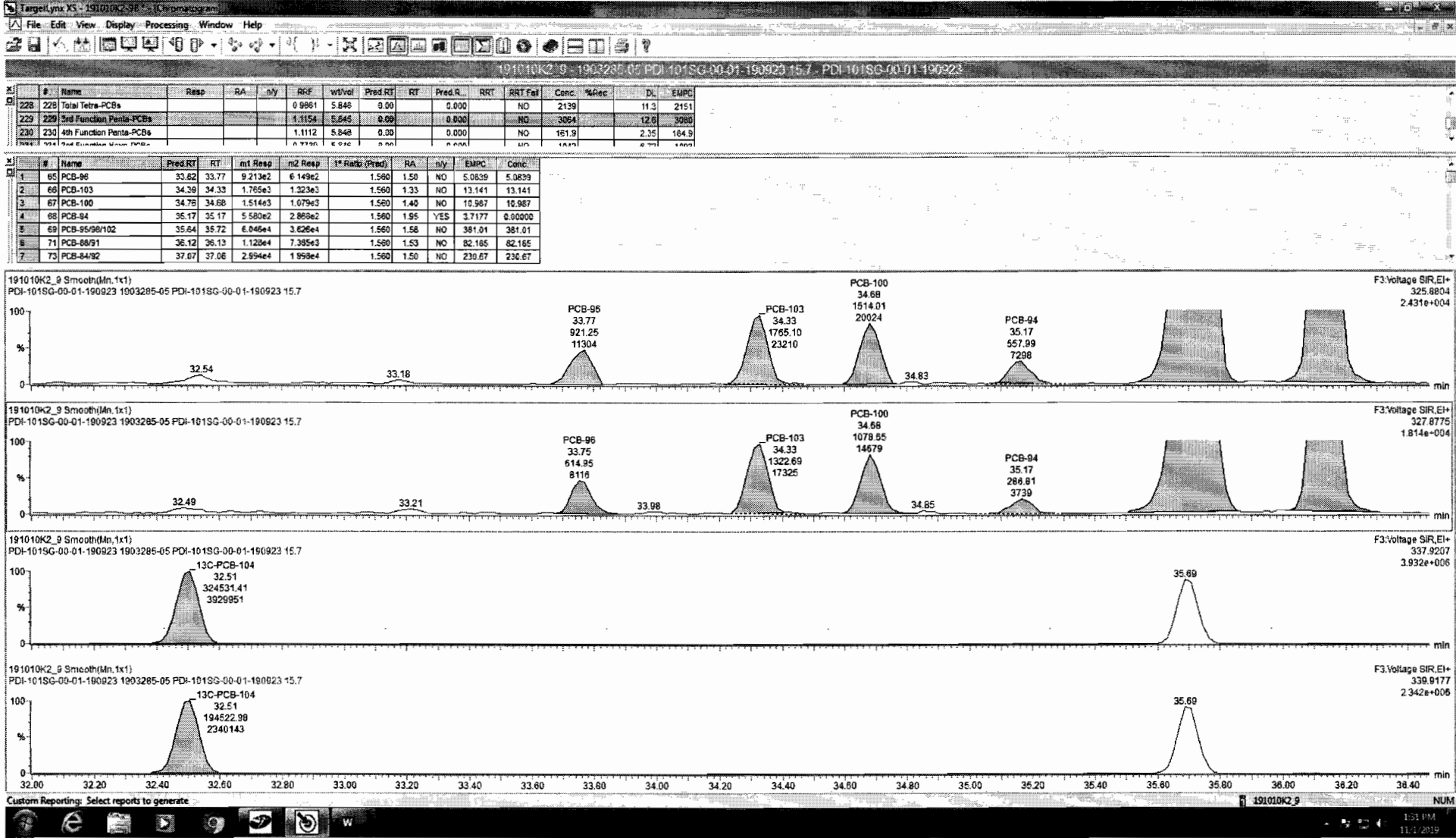
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13C-PCB-95





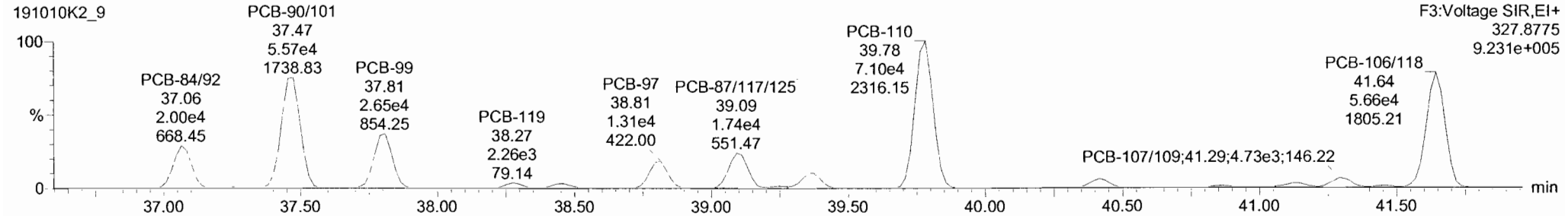
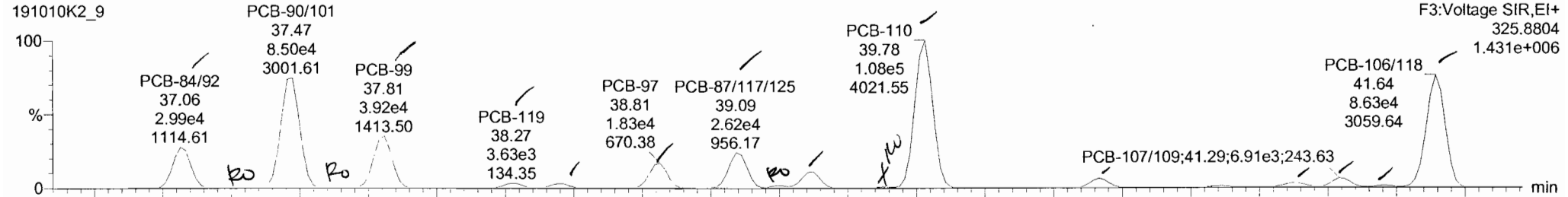
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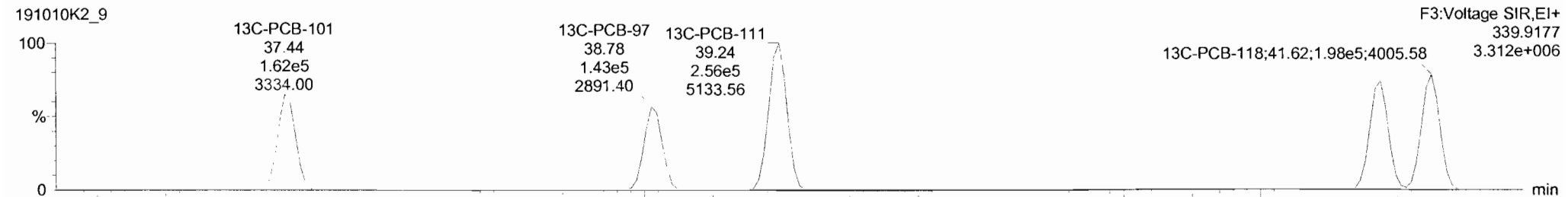
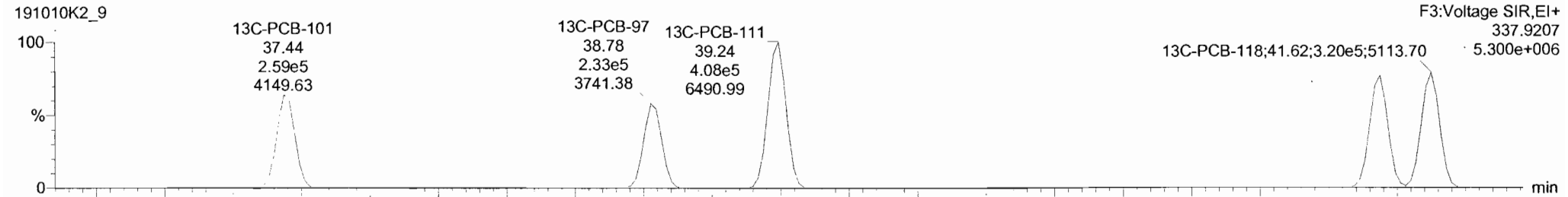
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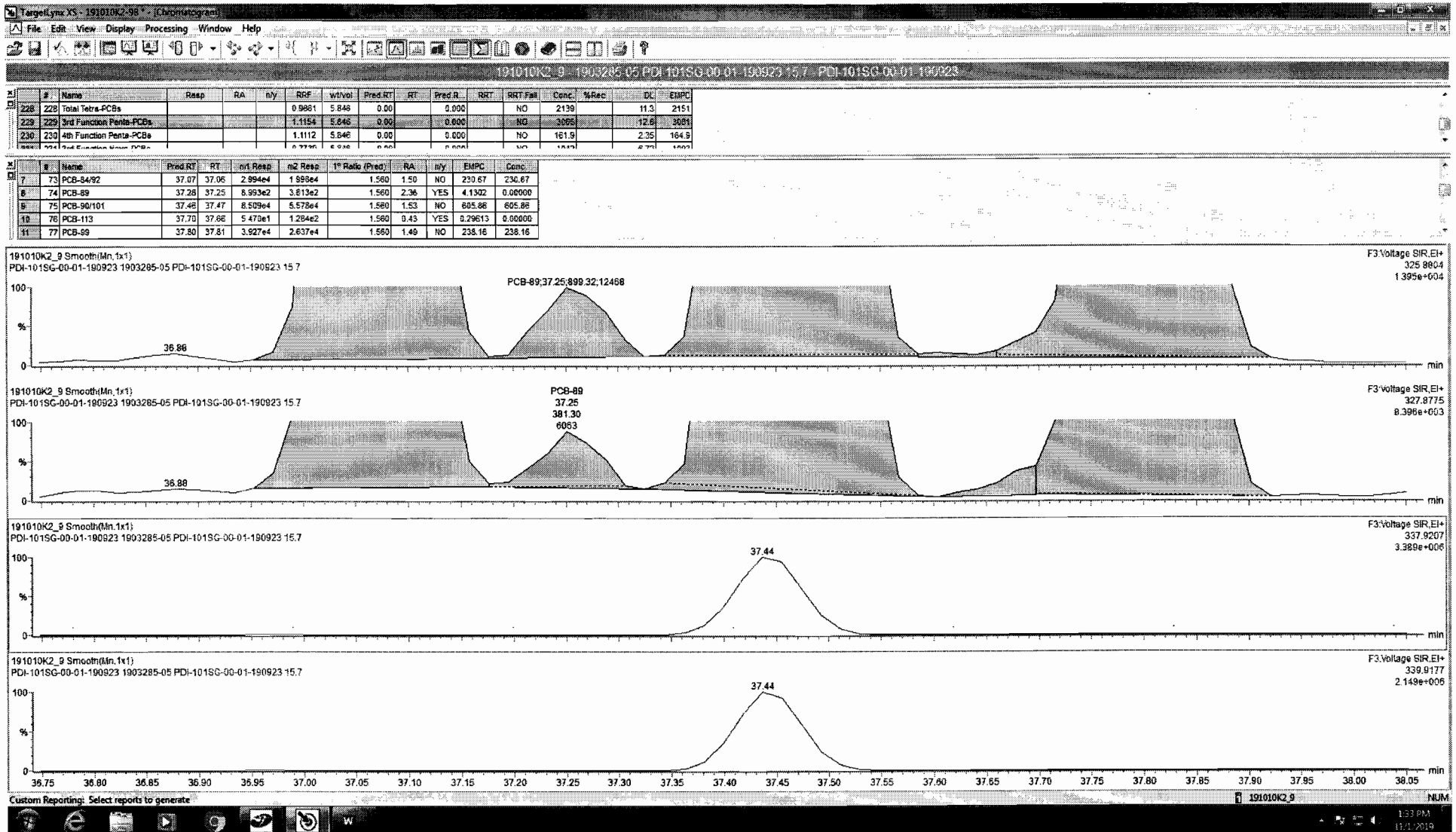
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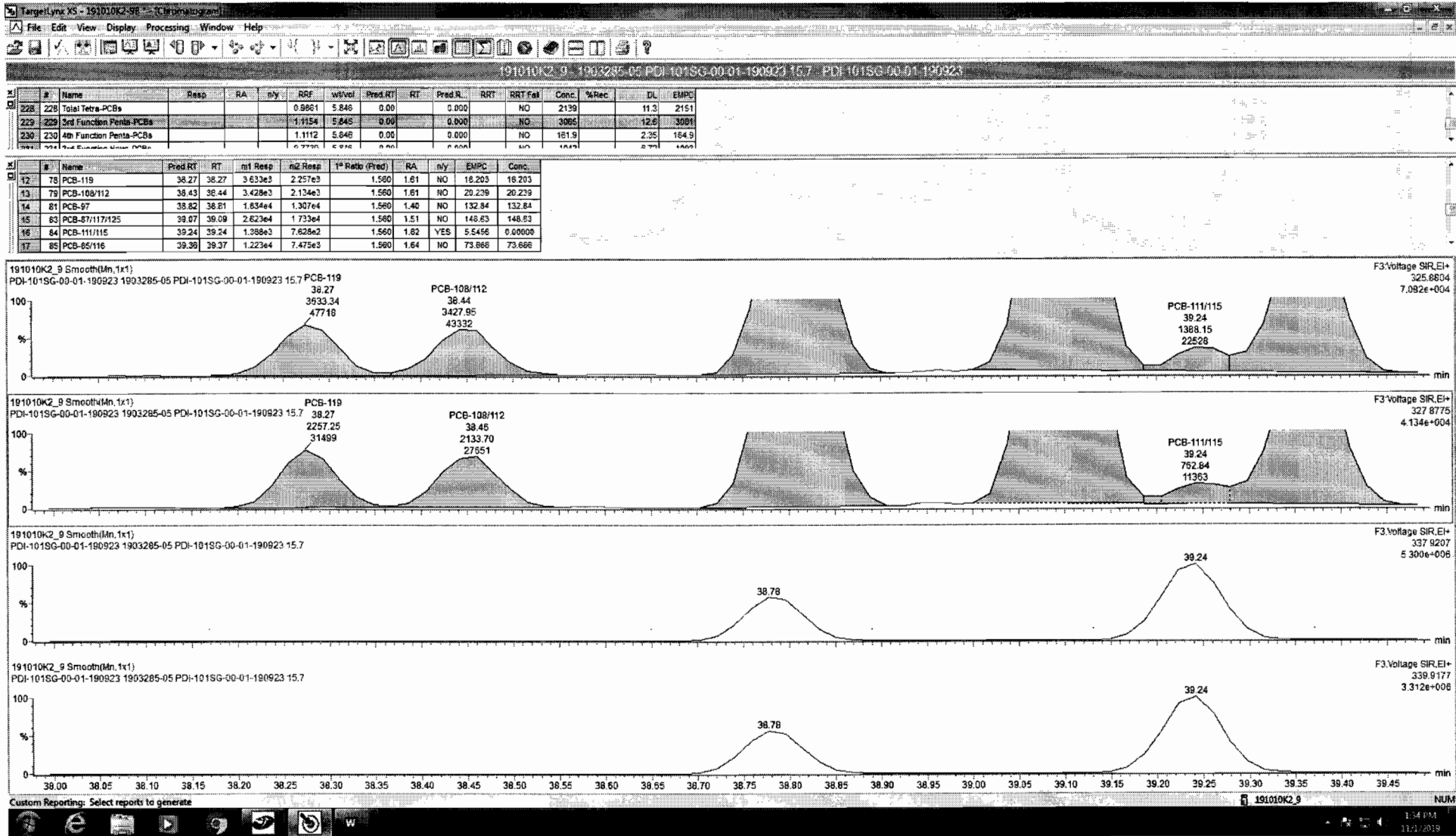
PCB-119

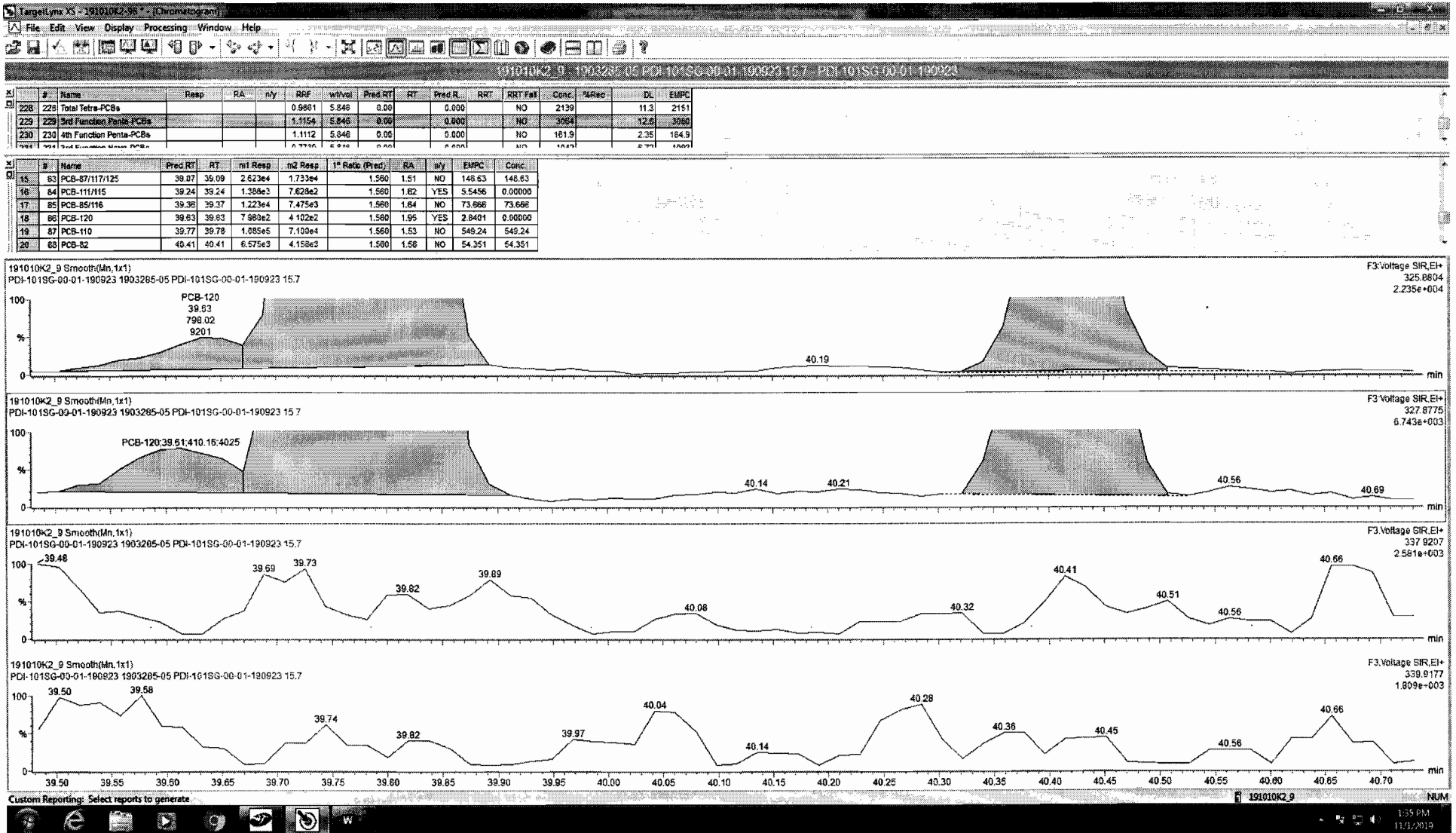


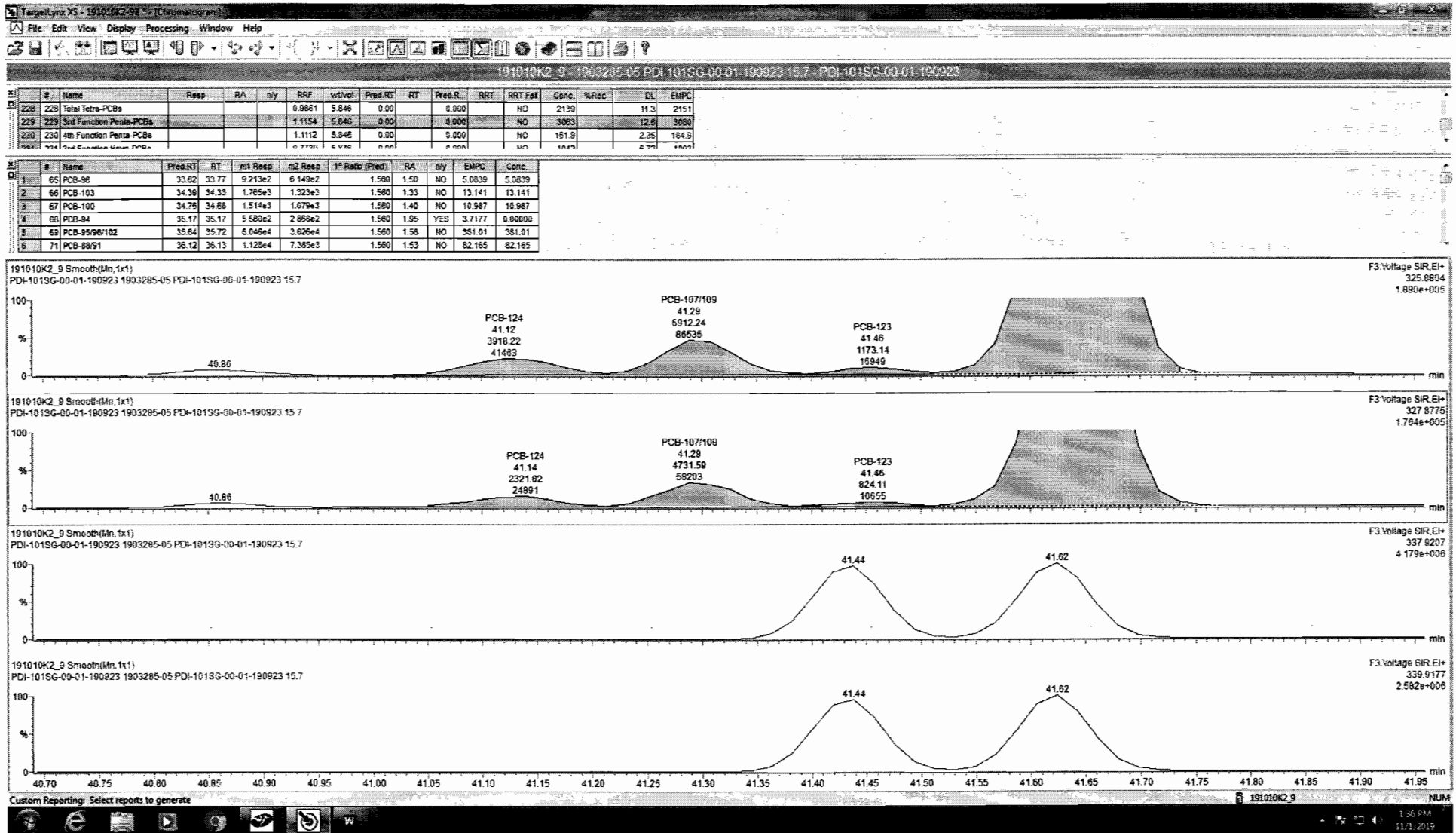
13C-PCB-111











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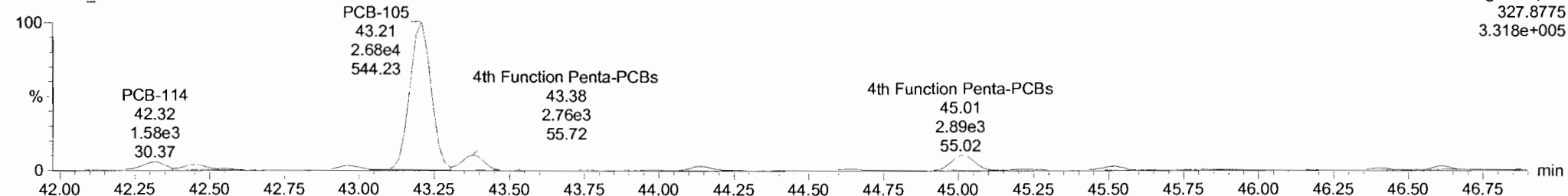
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PCB-114

191010K2_9

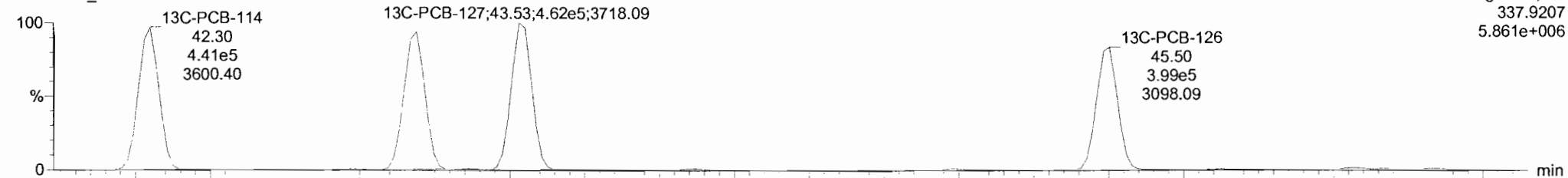


191010K2_9

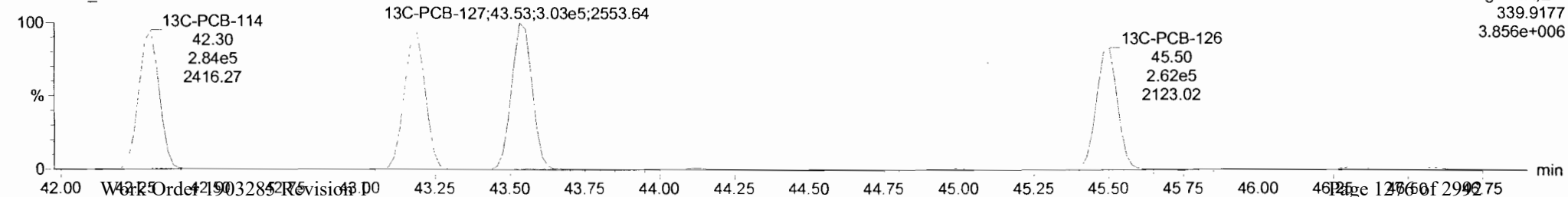


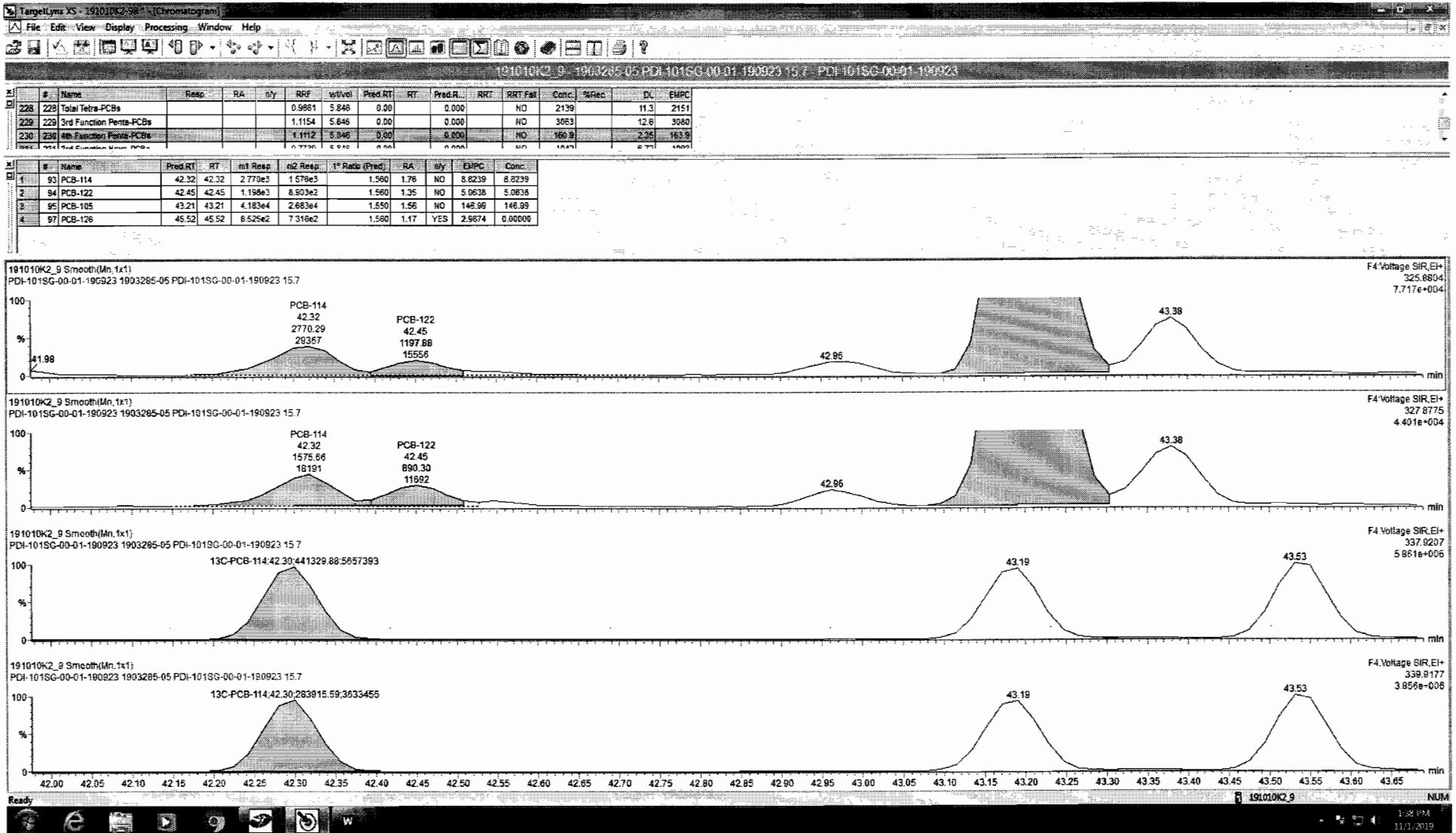
13C-PCB-114

191010K2_9



191010K2_9

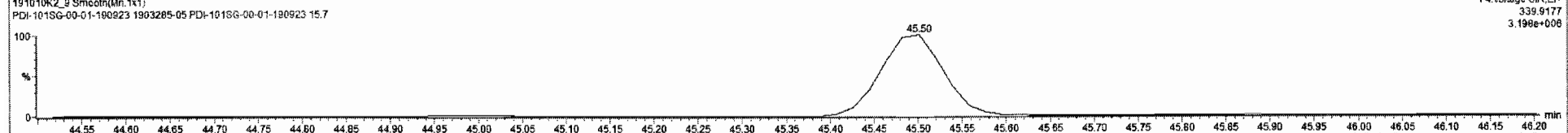
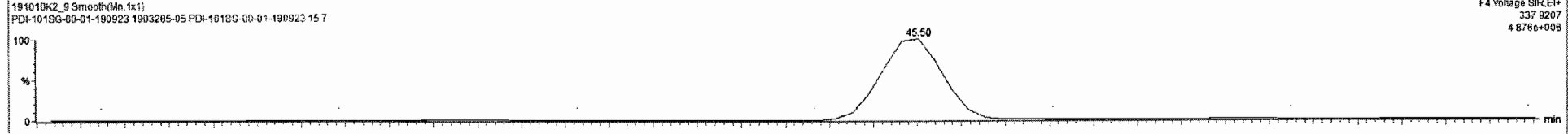
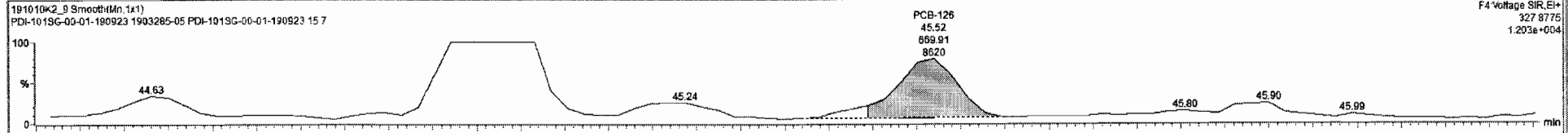
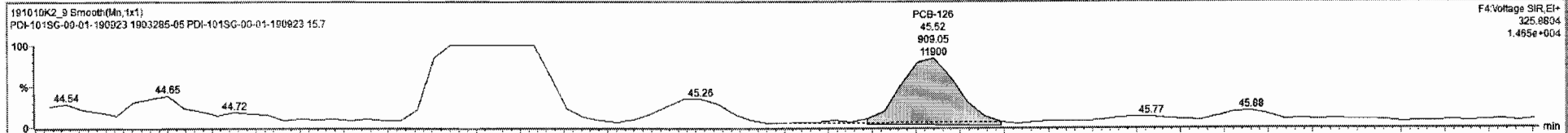




191010K2_9_1903285-05 PDI-101SG-00-01-190923-15.7 PDI-101SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9861	5.846	0.00		0.000		NO	2139		11.3	2151
229	3rd Function Penta-PCBs				1.1154	5.846	0.00		0.000		NO	3063		12.6	3080
230	4th Function Penta-PCBs				1.1112	5.846	0.00		0.000		NO	164.3		2.26	164.2

#	Name	Pred.RT	RT	n1 Resp	n2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc
1	93 PCB-114	42.32	42.32	2.770e3	1.576e3	1.500	1.76	NO	8.6239	8.6239
2	94 PCB-122	42.45	42.45	1.198e3	8.903e2	1.560	1.35	NO	5.0636	5.0636
3	95 PCB-105	43.21	43.21	4.183e4	2.683e4	1.550	1.56	NO	146.99	146.99
4	97 PCB-128	45.52	45.52	9.091e2	6.699e2	1.580	1.36	NO	3.3718	3.3718



Dataset: Untitled

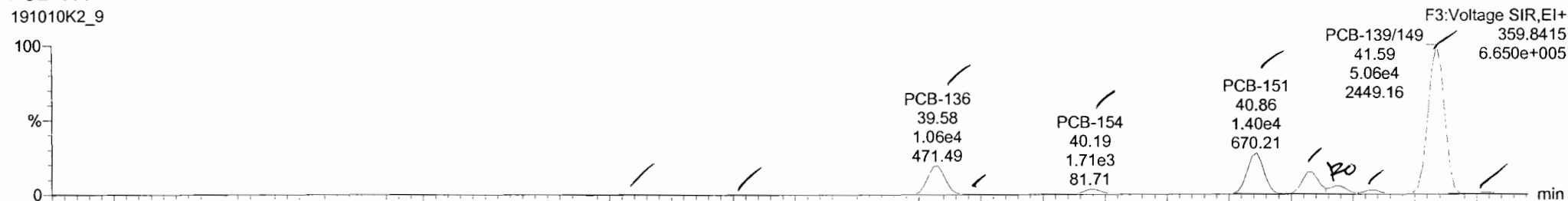
Last Altered: Friday, October 11, 2019 13:12:56 Pacific Daylight Time

Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

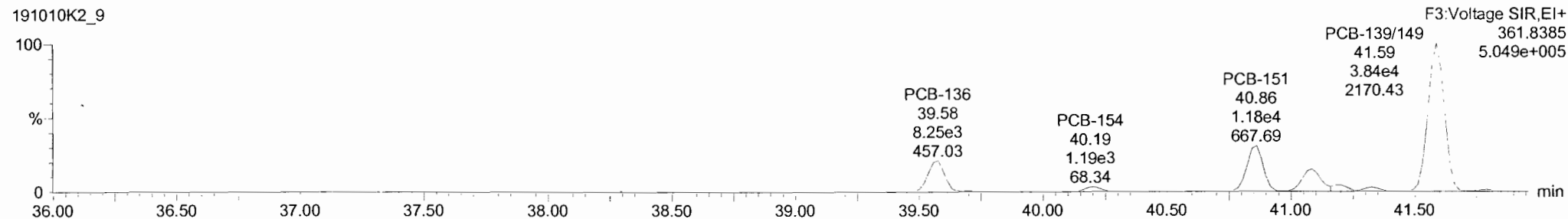
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PCB-155

191010K2_9

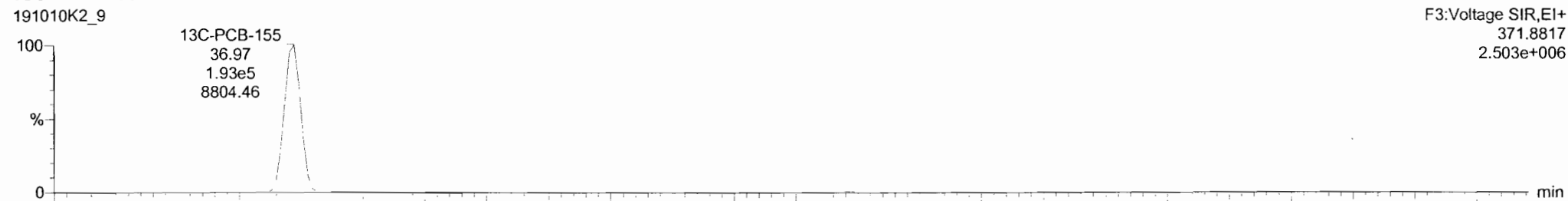


191010K2_9

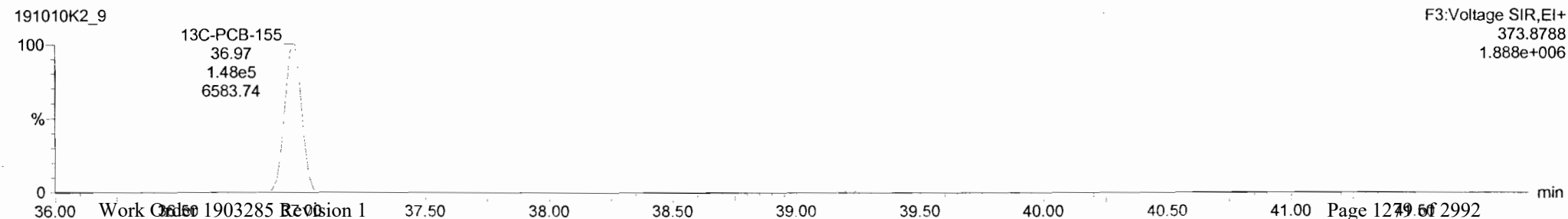


13C-PCB-155

191010K2_9



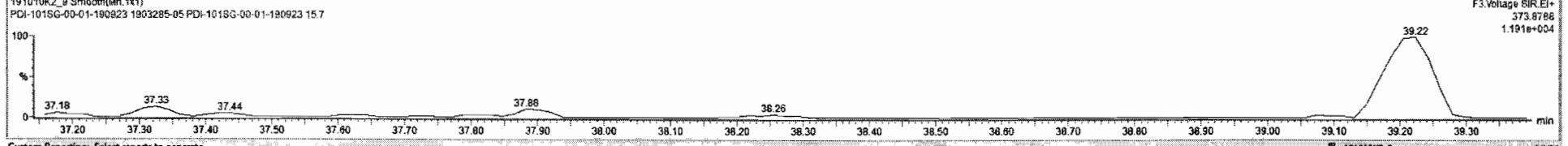
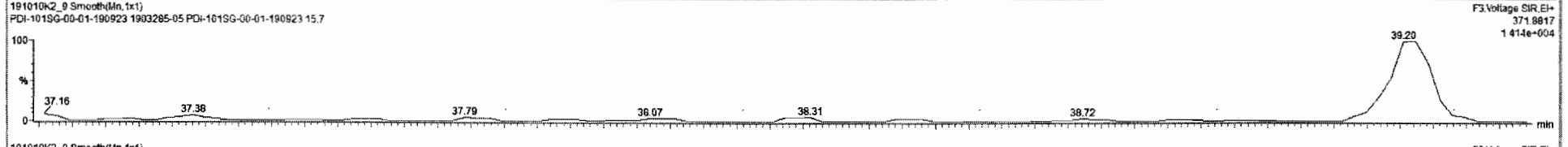
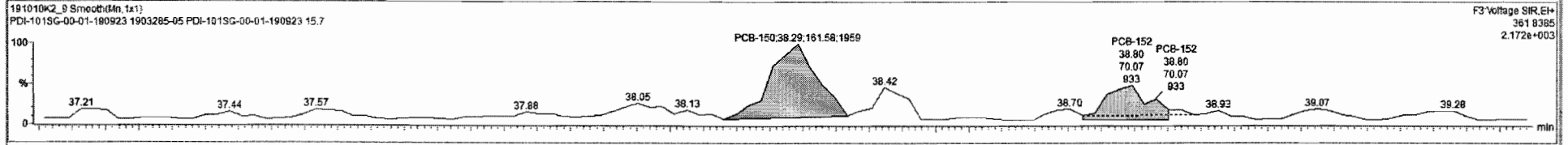
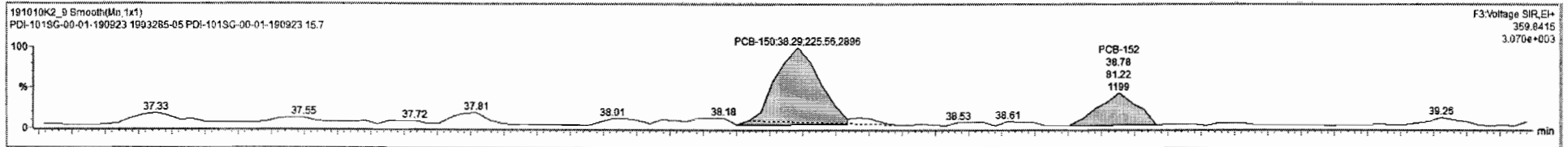
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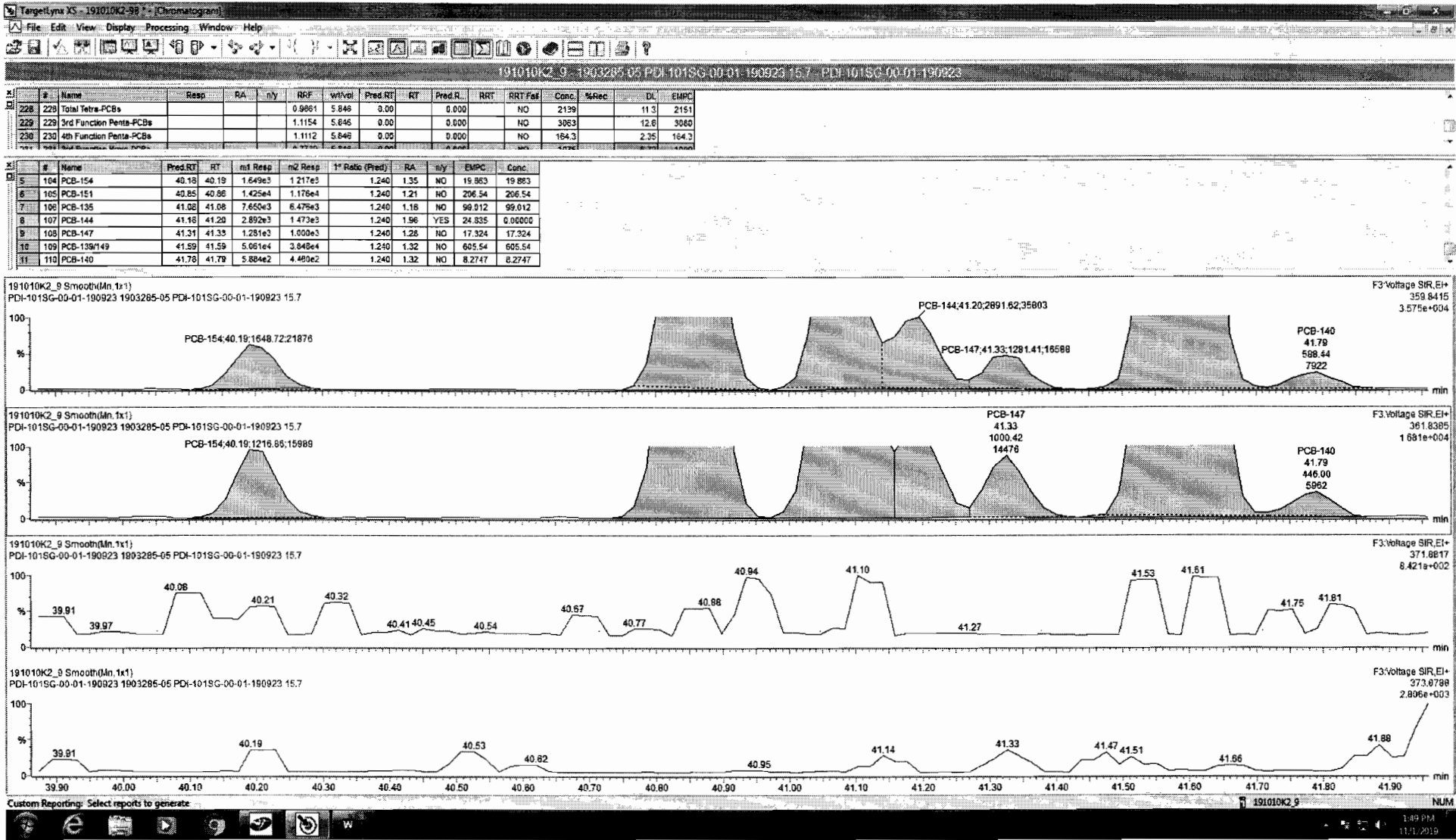


191010K2_9_1903285-05 PDI-101SG-00-01-190923 15.7 PDI-101SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wtVal	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.961	5.646	0.00		0.000		NO	2139		11.3	2151
229	3rd Function Penta-PCBs				1.1154	5.646	0.00		0.000		NO	3063		12.8	3080
230	4th Function Penta-PCBs				1.1112	5.646	0.00		0.000		NO	1643		2.35	1643

#	Name	Pred.RT	RT	nt Resp	nt2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.29	38.29	2.258e2	1.619e2	1.240	1.40	NO	2.2058	2.2058
2	100 PCB-152	38.78	38.78	8.122e1	7.007e1	1.240	1.16	NO	0.75588	0.75588
3	102 PCB-138	39.58	39.58	1.058e4	8.251e3	1.240	1.28	NO	112.07	112.07
4	103 PCB-148	39.89	39.89	2.327e2	1.777e2	1.240	1.31	NO	2.9699	2.9699
5	104 PCB-154	40.18	40.19	1.709e3	1.194e3	1.240	1.43	YES	18.544	0.00000
6	105 PCB-151	40.85	40.86	1.401e4	1.178e4	1.240	1.19	NO	204.84	204.84





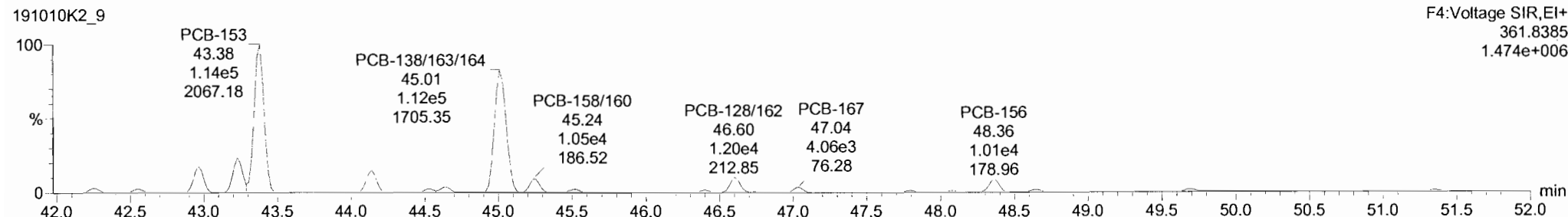
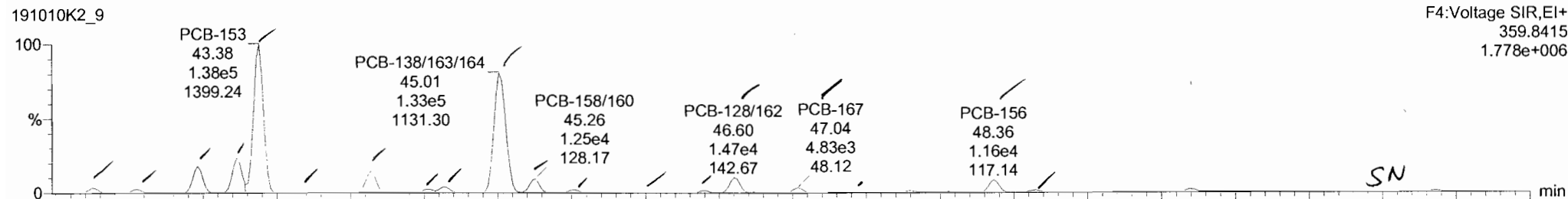
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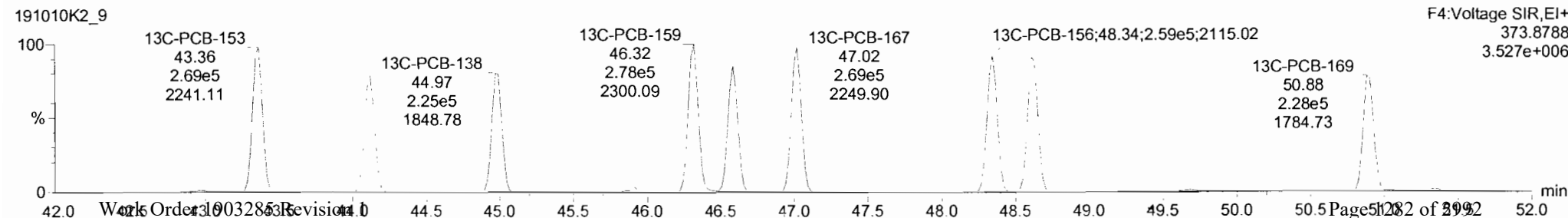
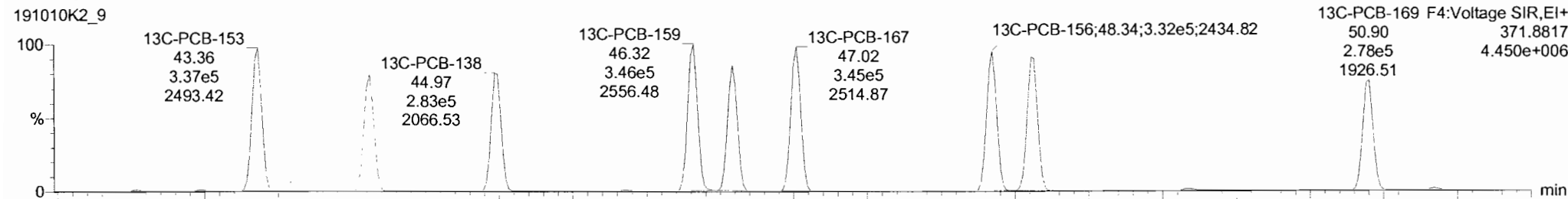
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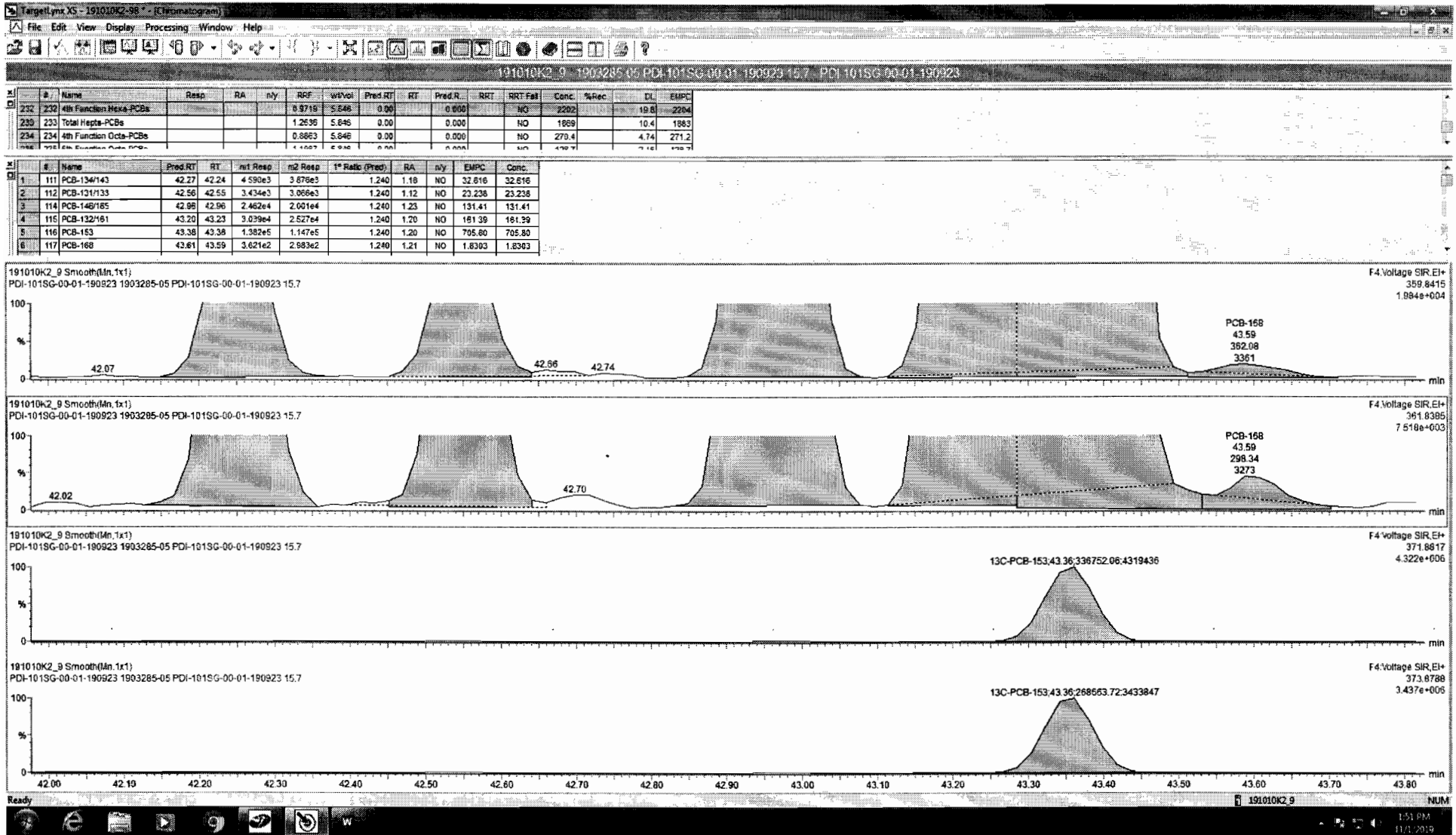
Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

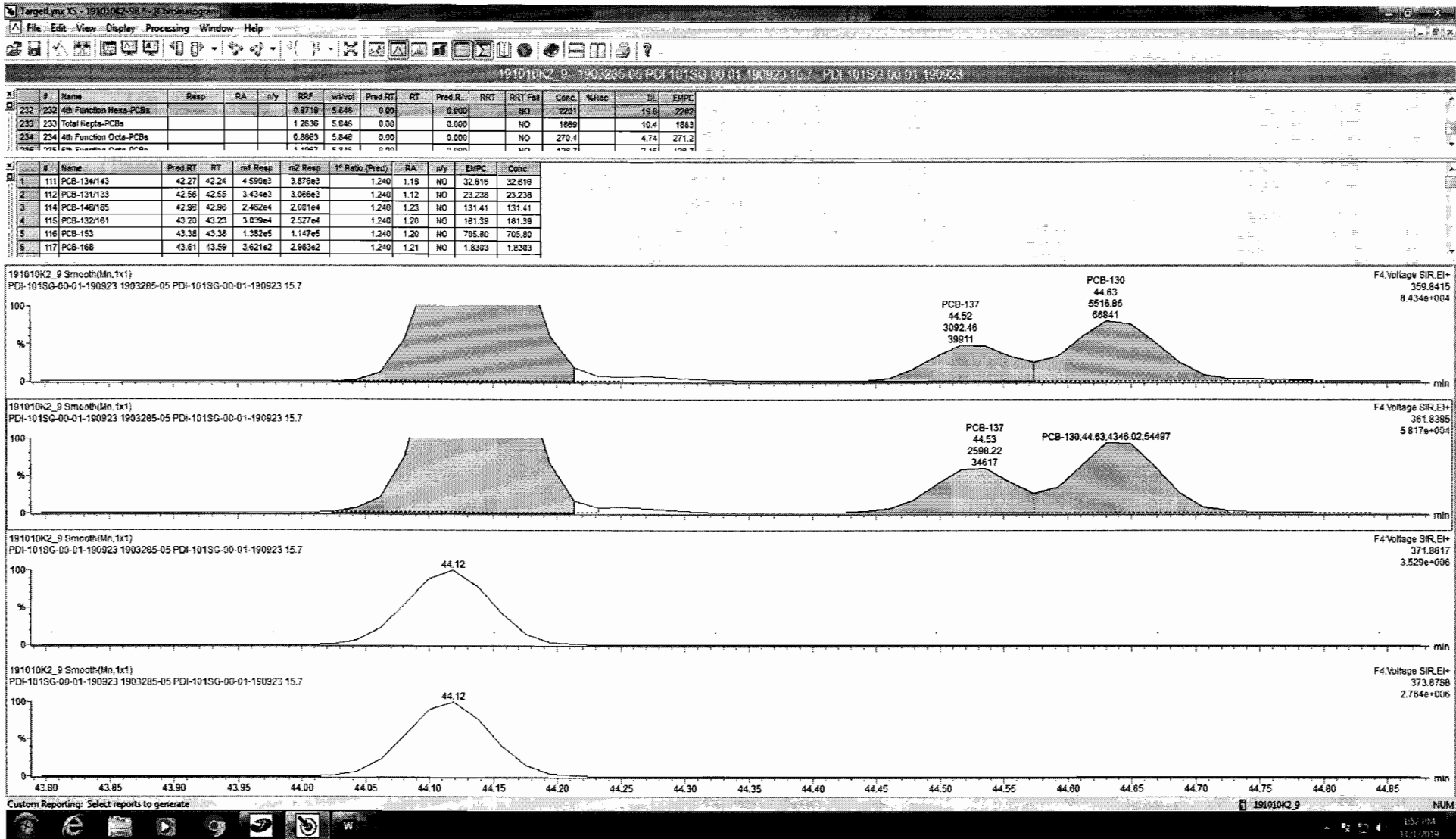
PCB-134/143

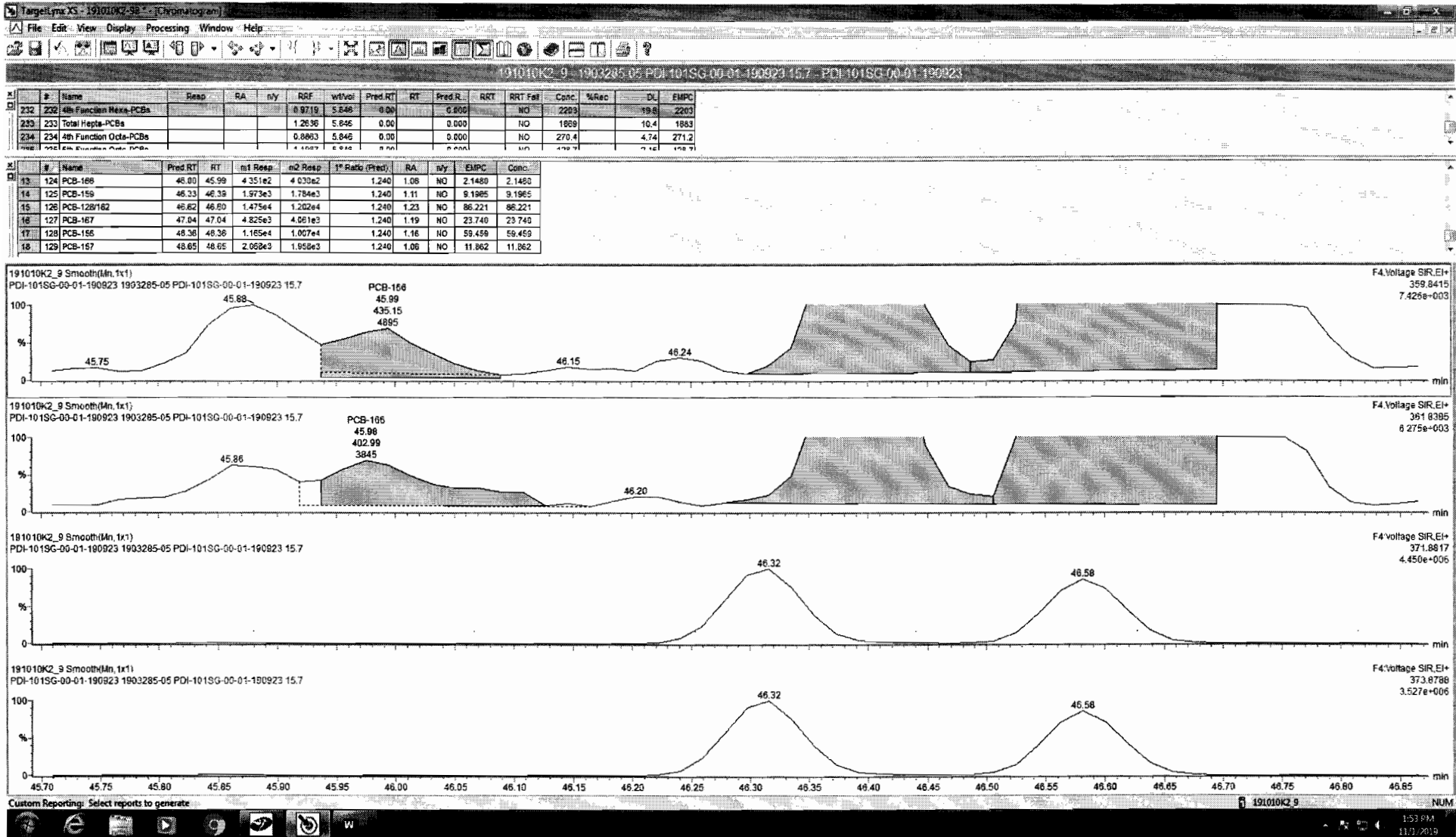


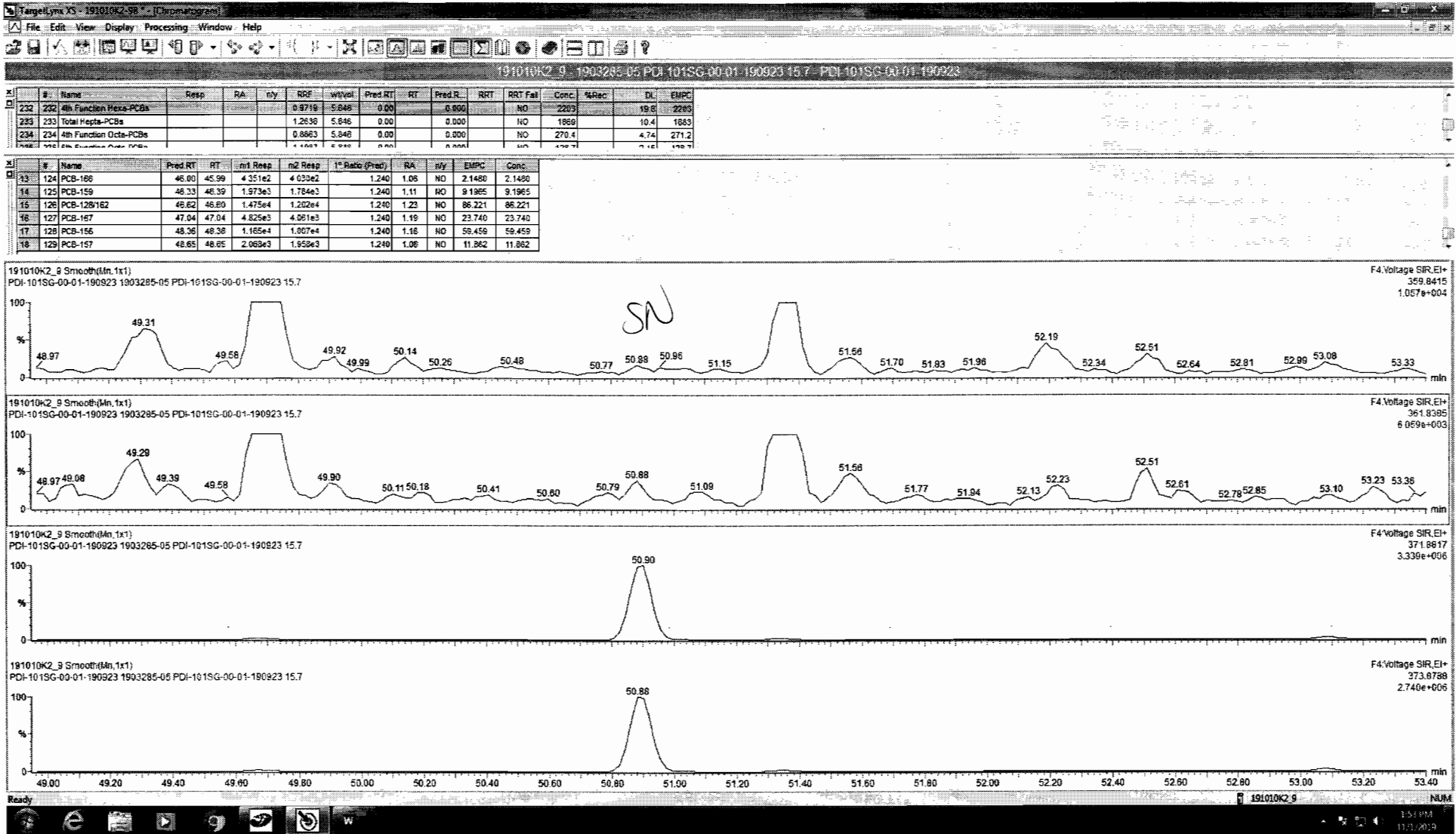
13C-PCB-153











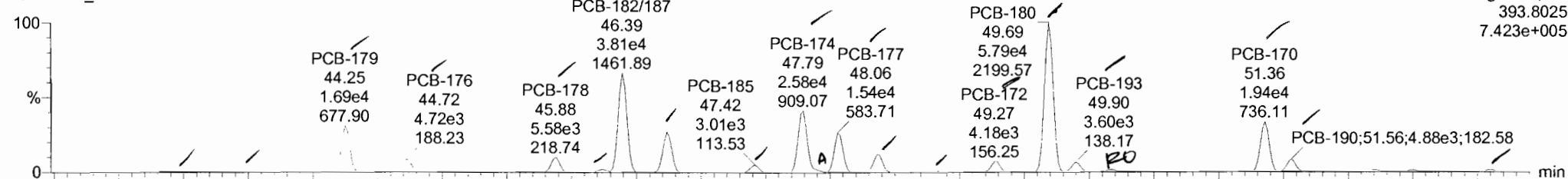
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

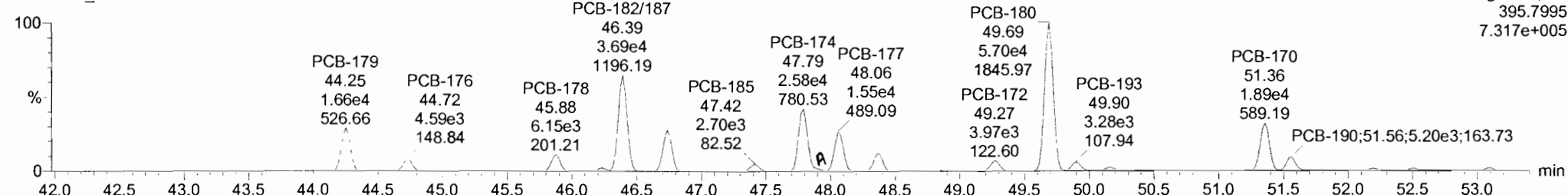
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PCB-188

191010K2_9

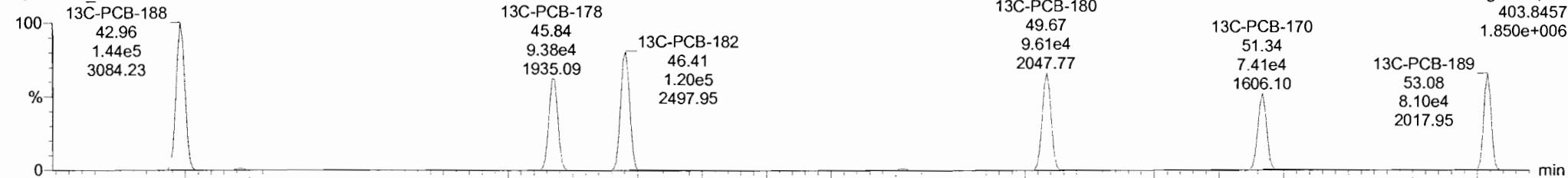


191010K2_9

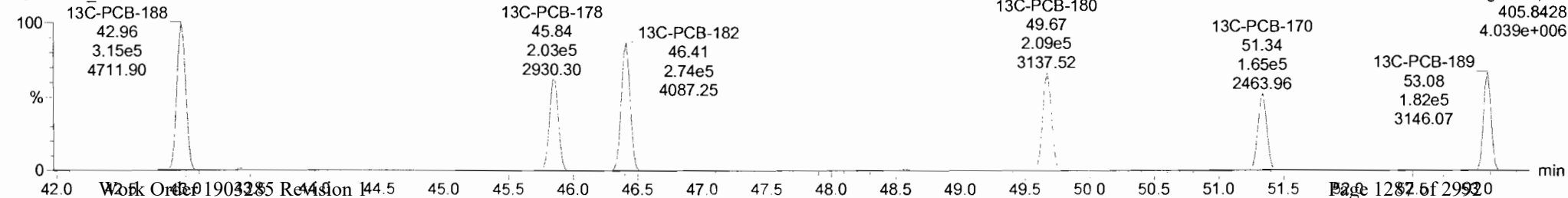


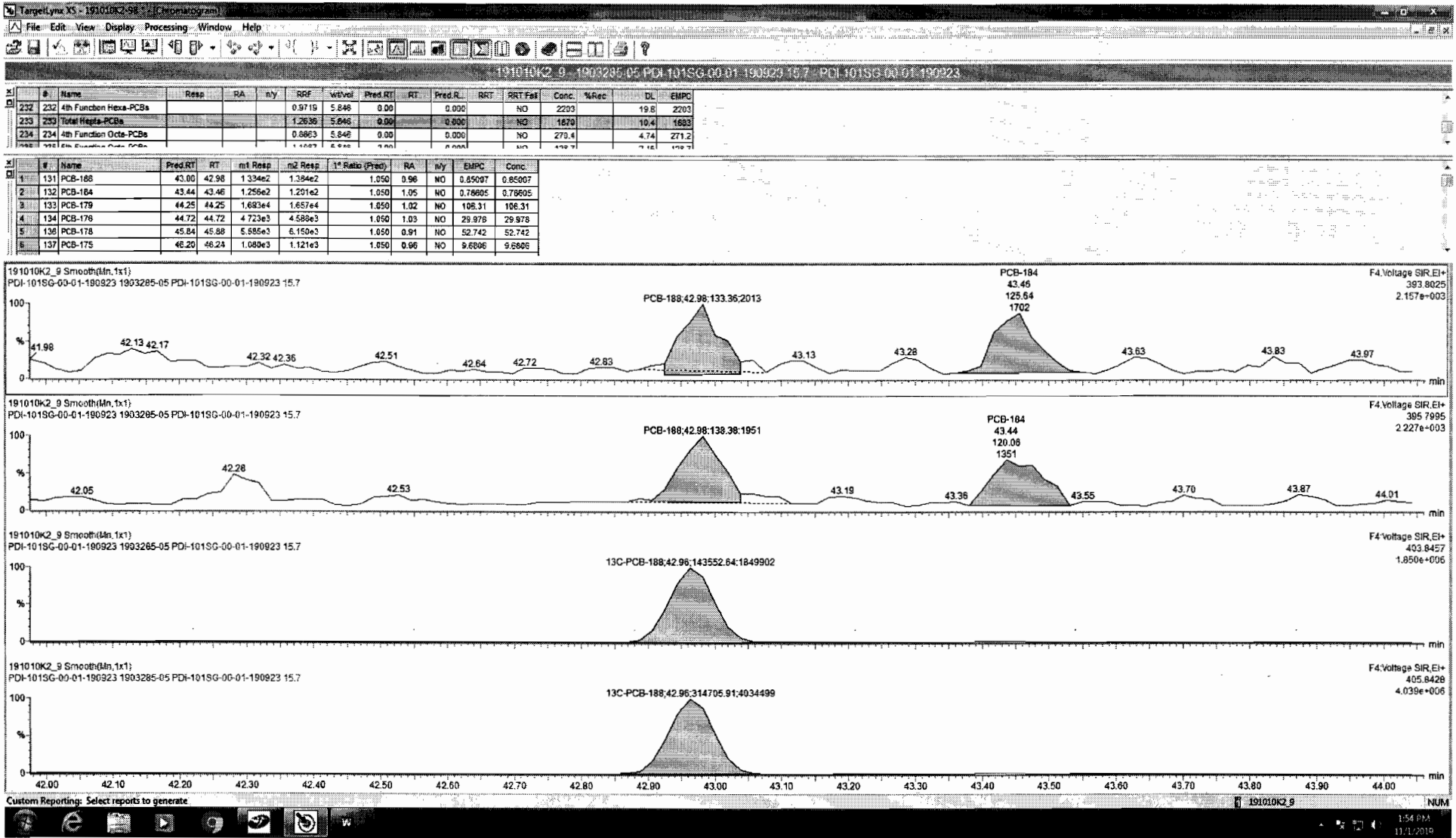
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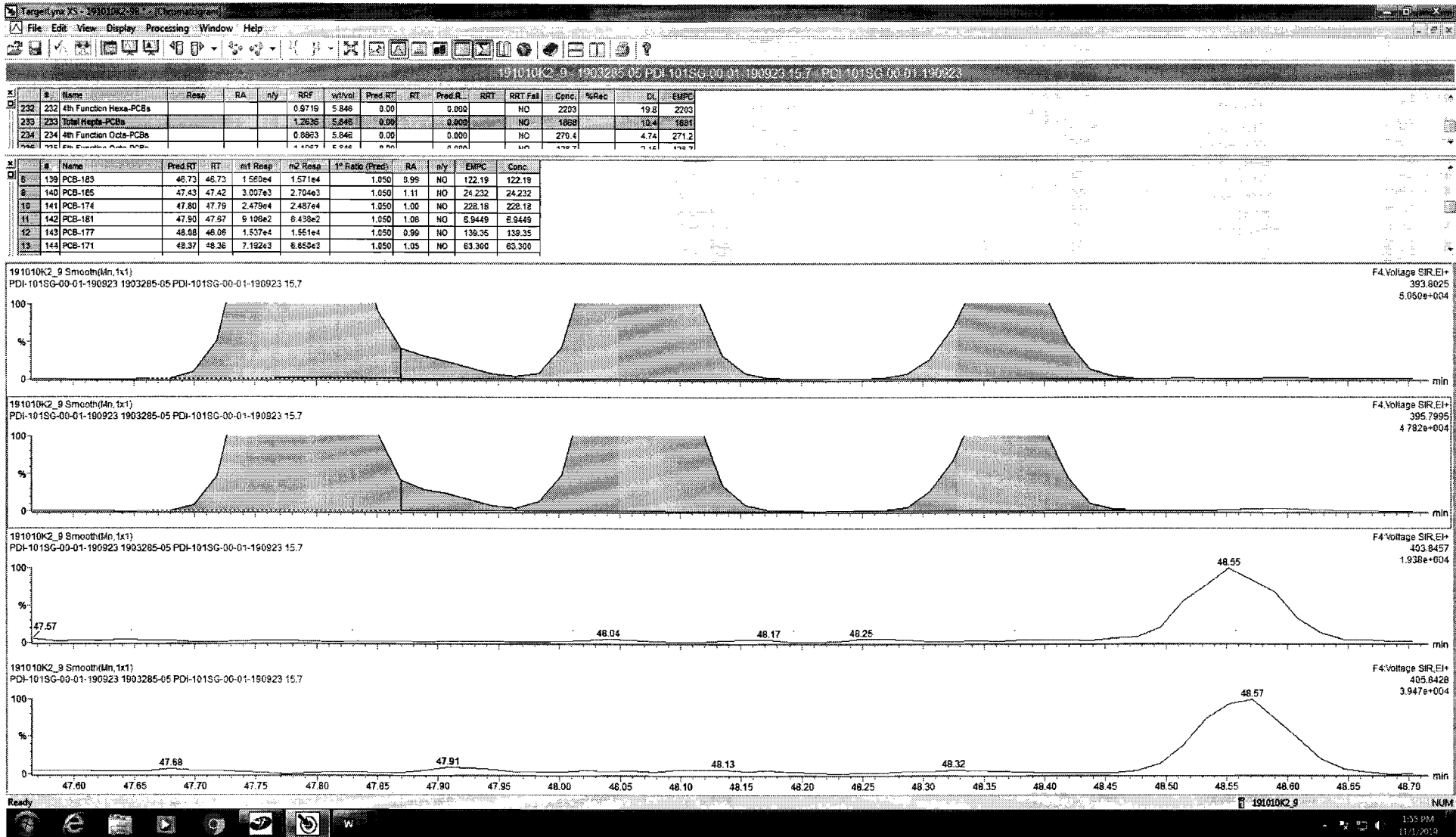
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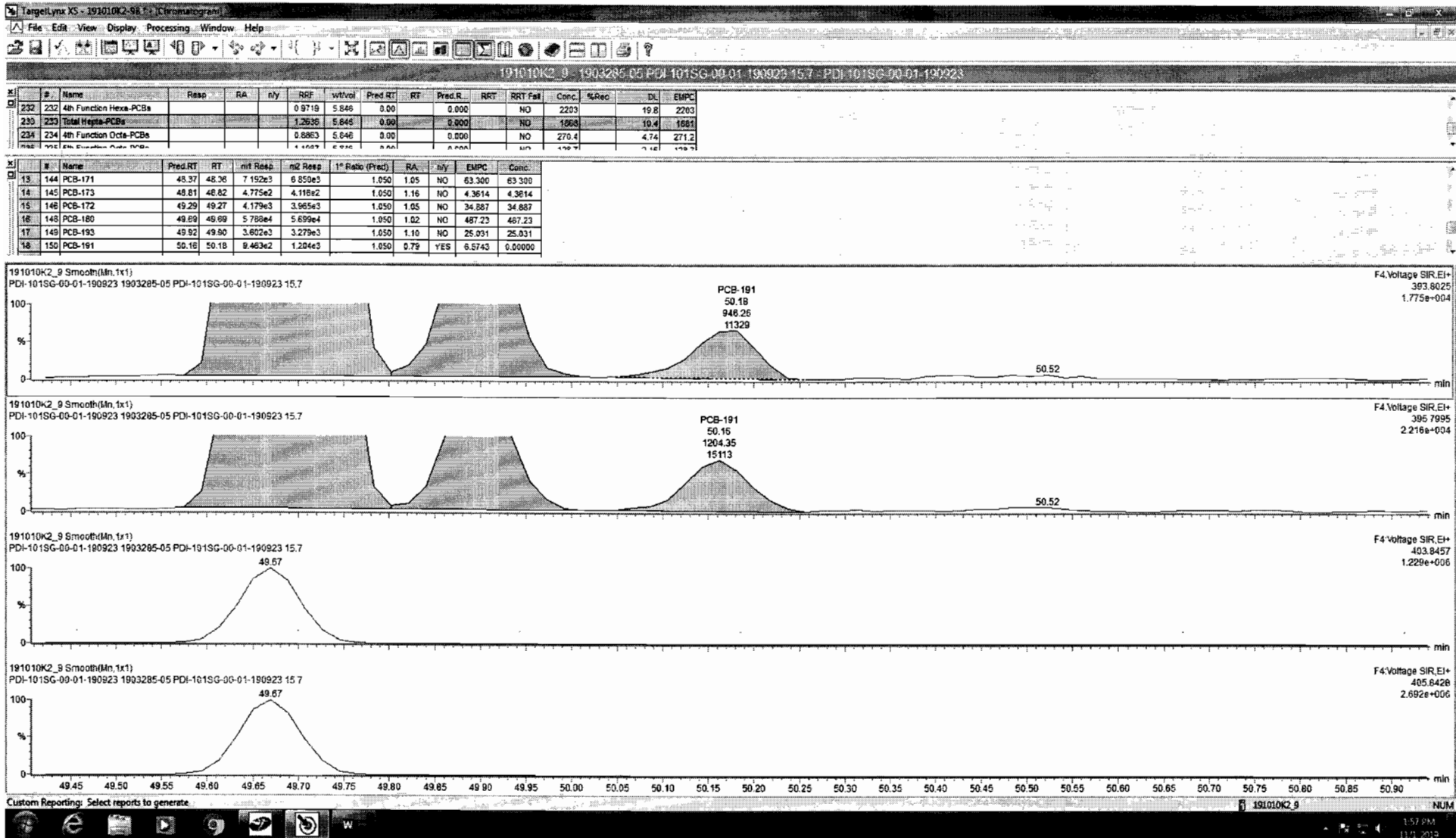


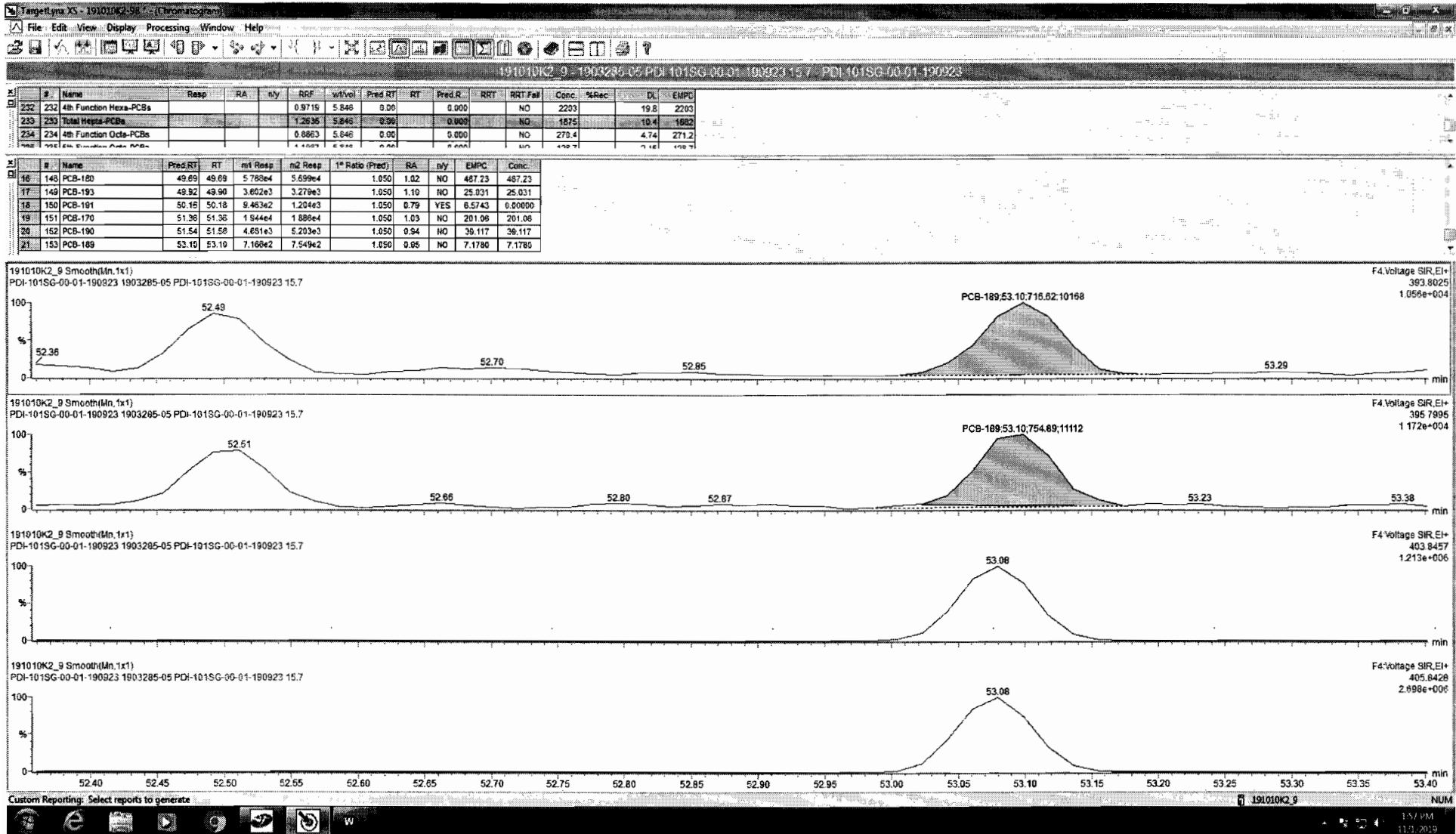
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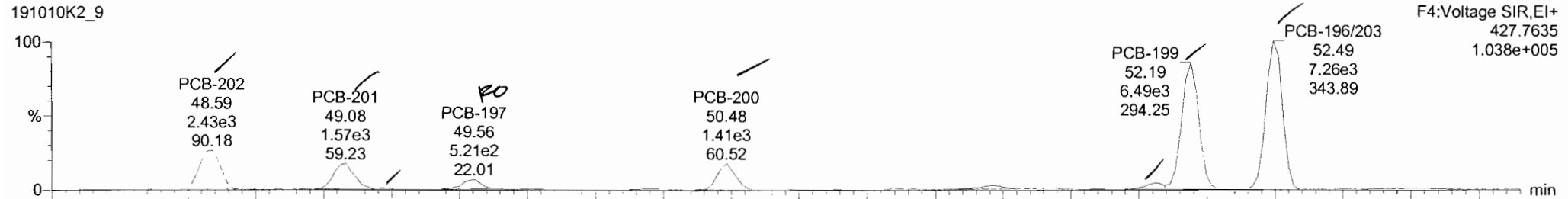
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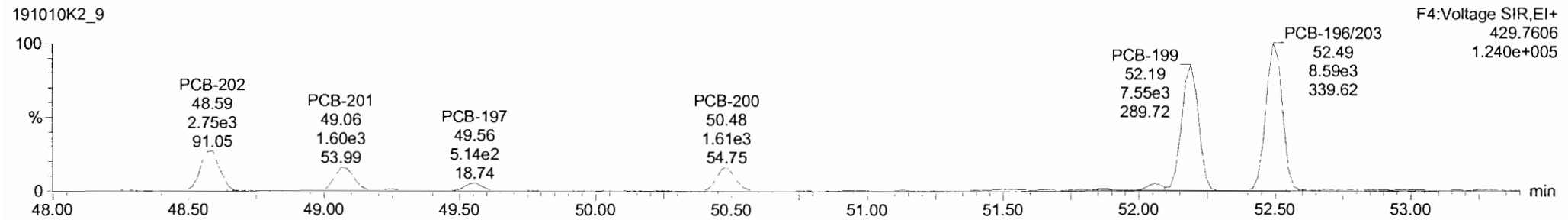
Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

PCB-202

191010K2_9

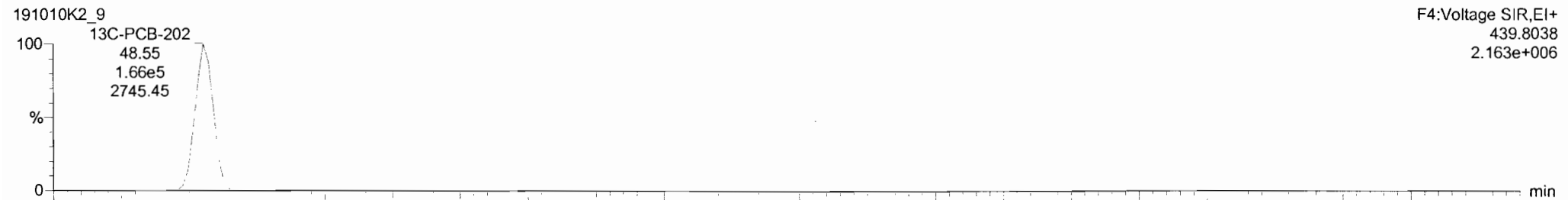


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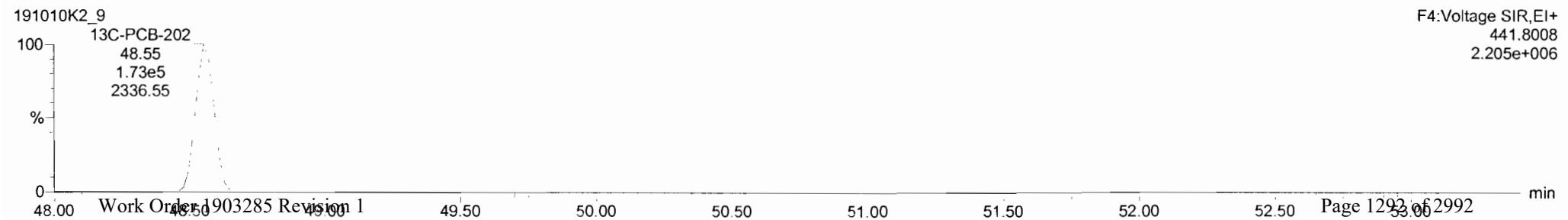


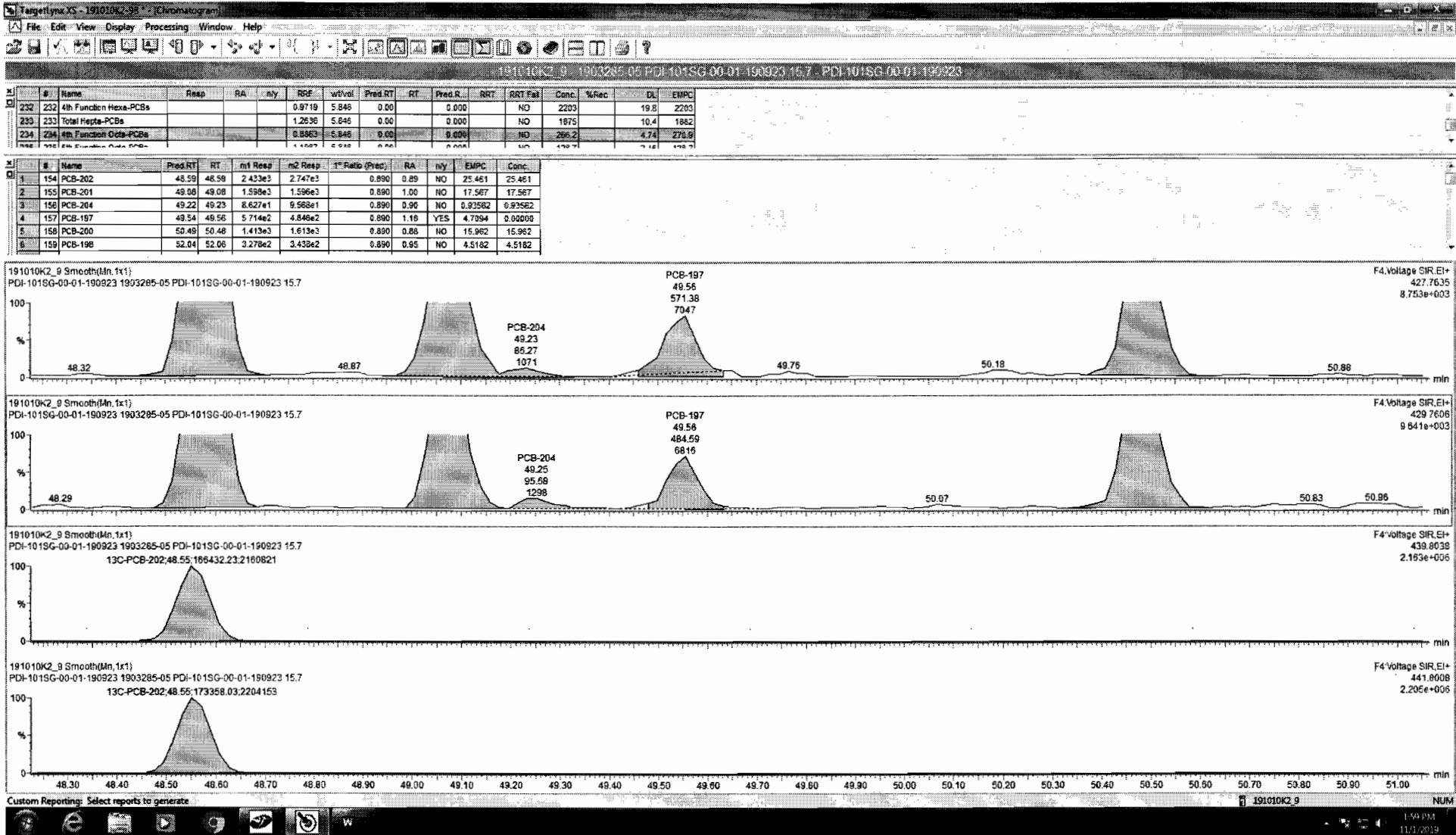
13C-PCB-202

191010K2_9



191010K2_9



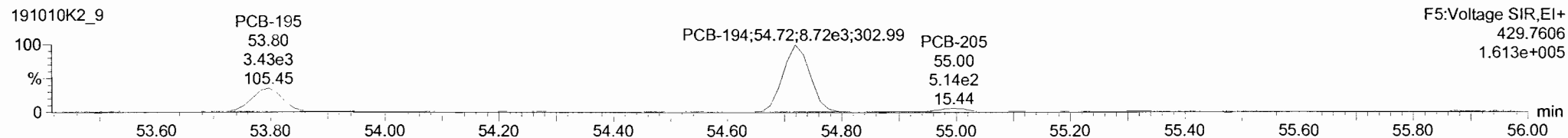
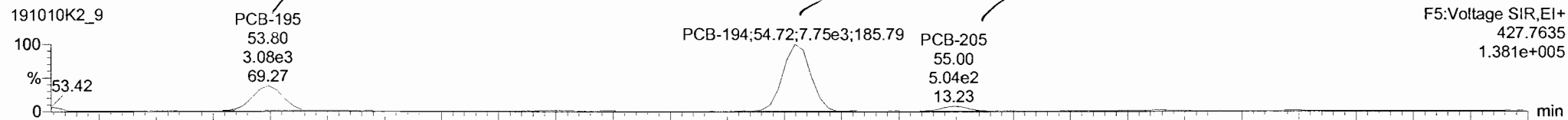


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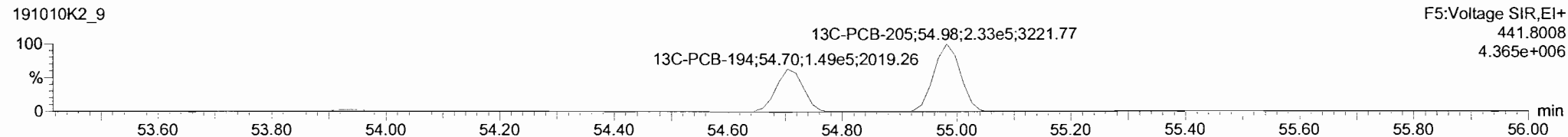
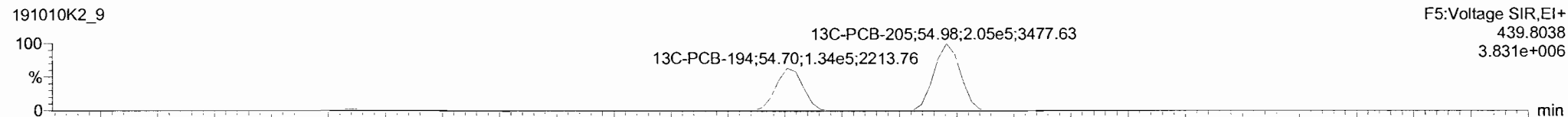
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Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

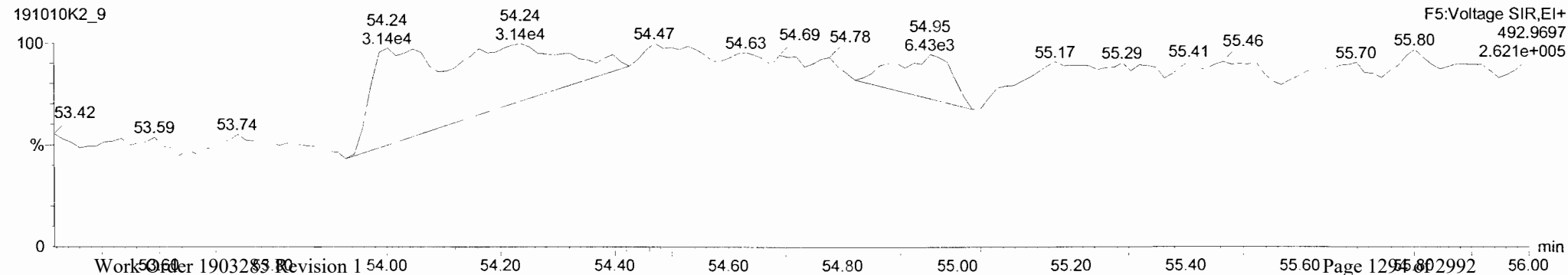
PCB-195



13C-PCB-194



PFK5

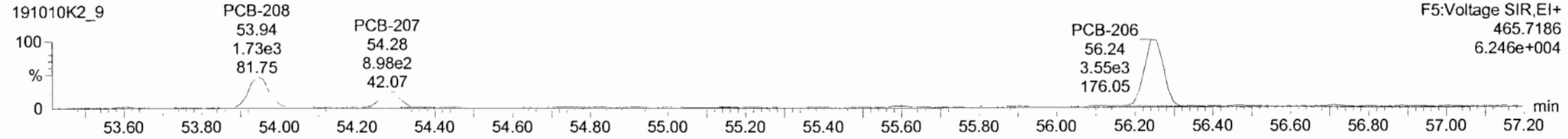
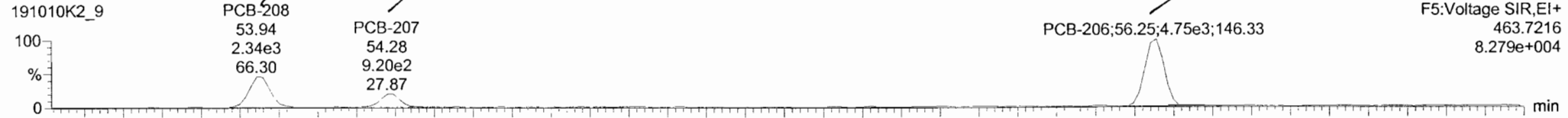


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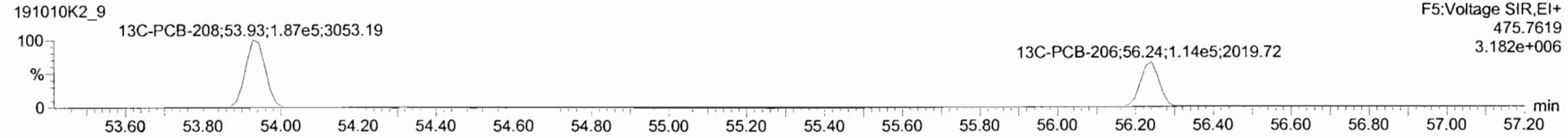
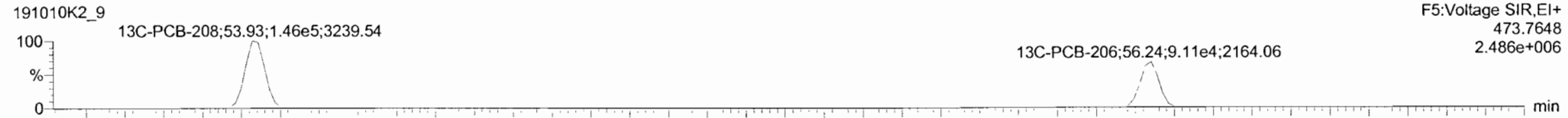
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

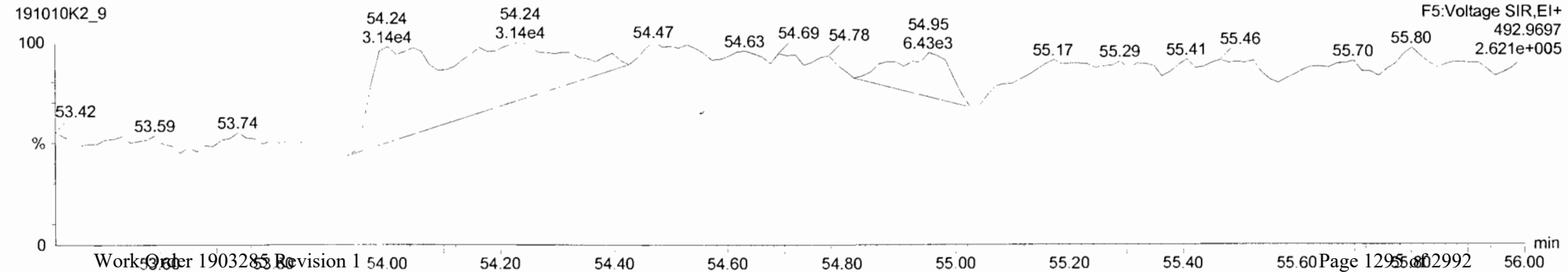
PCB-208

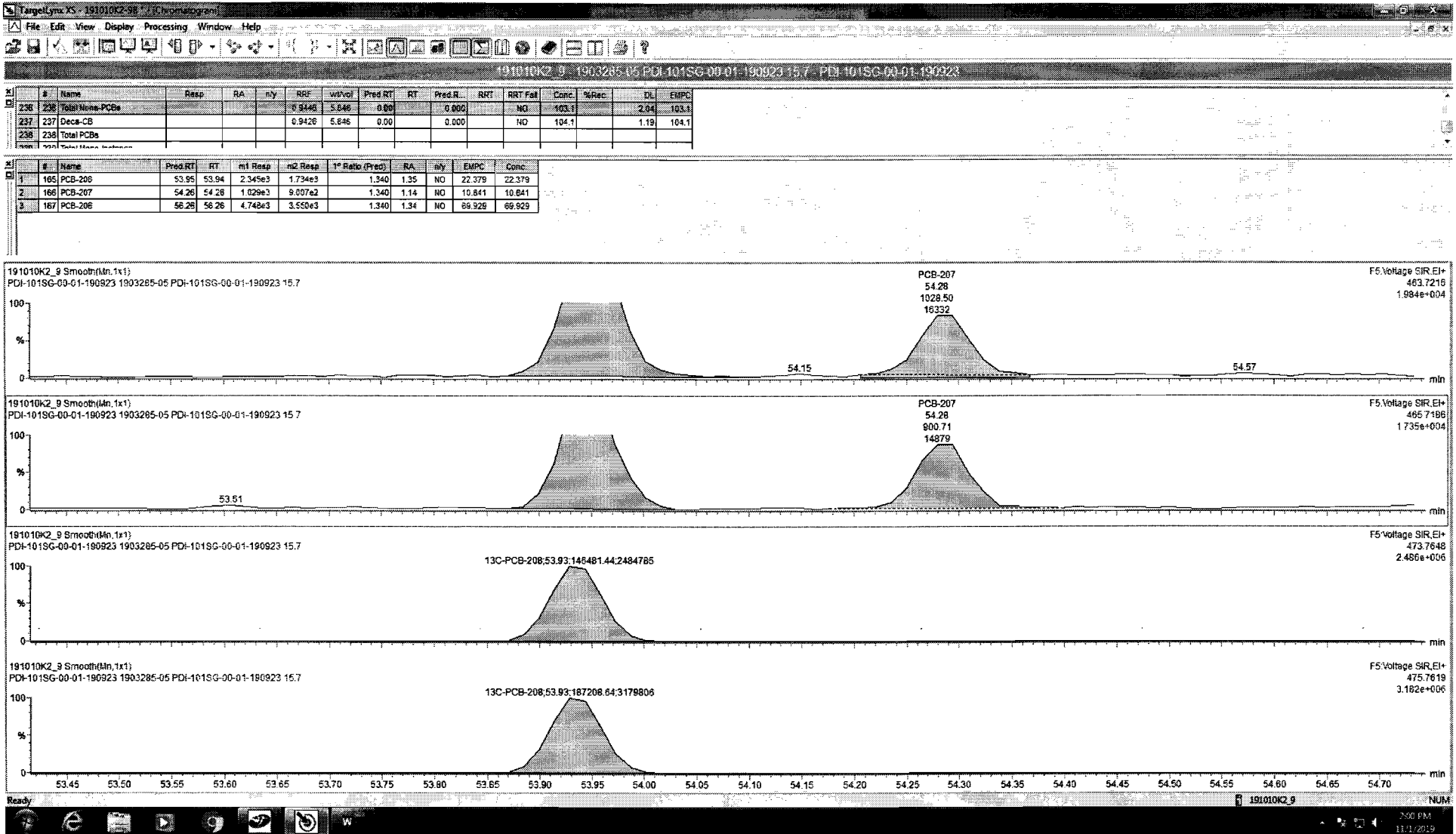


13C-PCB-208



PFK5





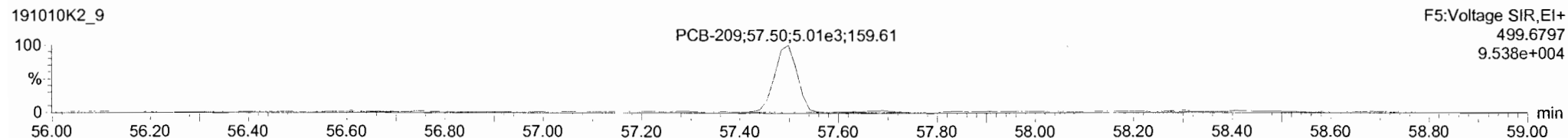
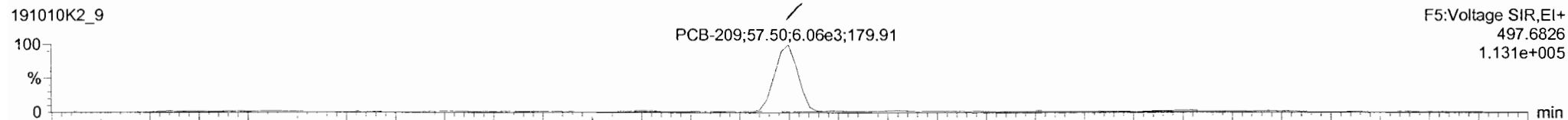
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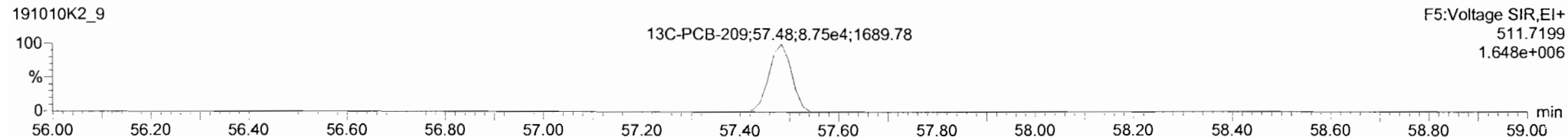
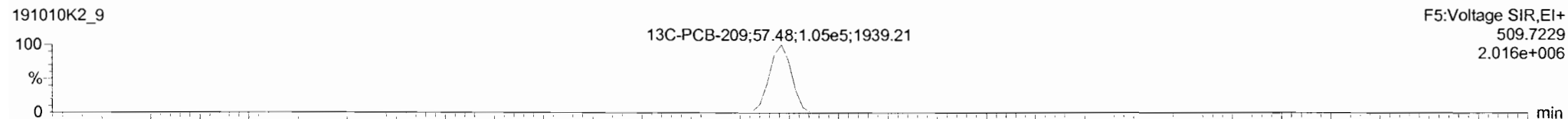
Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

Name: 191010K2_9, Date: 11-Oct-2019, Time: 11:24:40, ID: 1903285-05 PDI-101SG-00-01-190923 15.7, Description: PDI-101SG-00-01-190923

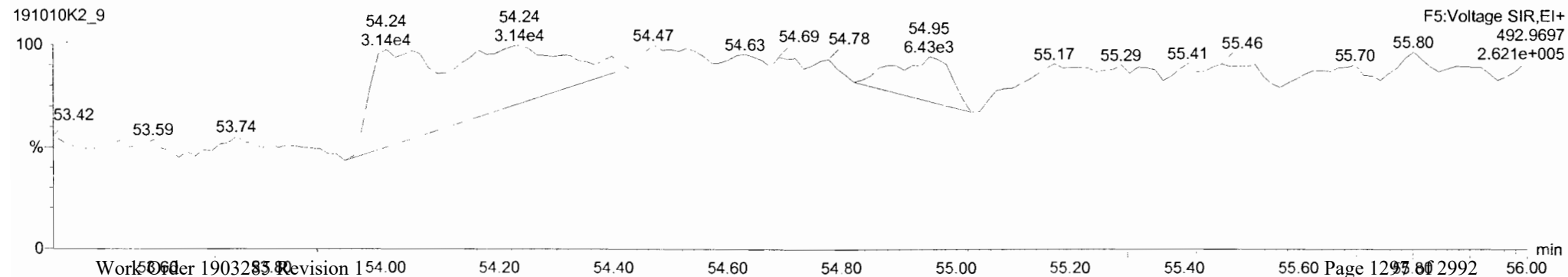
PCB-209



13C-PCB-209



PFK5



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

Last Altered: Friday, October 11, 2019 15:04:44 Pacific Daylight Time

Printed: Friday, October 11, 2019 15:05:22 Pacific Daylight Time

HZ 10-11-19 CT 10/3/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.48e4	3.09	NO	1.02	6.650	15.51	15.52	1.001	1.001	NO	25.85		0.209	25.85
2	2 PCB-2	9.96e3	3.30	NO	1.01	6.650	17.93	17.92	0.988	0.987	NO	16.05		0.203	16.05
3	3 PCB-3	1.51e4	3.01	NO	1.01	6.650	18.15	18.16	1.001	1.001	NO	24.32		0.204	24.32
4	4 PCB-4/10	4.37e4	1.59	NO	1.28	6.650	19.58	19.52	1.004	1.001	NO	80.43		0.559	80.43
5	5 PCB-7/9	2.08e4	1.48	NO	0.976	6.650	21.38	21.35	1.003	1.001	NO	29.52		0.447	29.52
6	6 PCB-6	5.64e4	1.62	NO	1.02	6.650	22.03	22.03	1.033	1.033	NO	76.64		0.429	76.64
7	7 PCB-5/8	2.23e5	1.59	NO	1.01	6.650	22.44	22.43	1.052	1.052	NO	304.8		0.431	304.8
8	8 PCB-14			NO	1.03	6.650	23.61		0.952		YES			0.542	
9	9 PCB-11	5.45e4	1.50	NO	1.10	6.650	24.82	24.82	1.001	1.001	NO	75.40		0.511	75.40
10	10 PCB-12/13	2.96e4	1.58	NO	1.04	6.650	25.25	25.19	1.018	1.016	NO	43.26		0.540	43.26
11	11 PCB-15	1.50e5	1.58	NO	1.03	6.650	25.55	25.52	1.030	1.029	NO	220.6		0.545	220.6
12	12 PCB-19	2.77e4	0.99	NO	0.934	6.650	23.77	23.76	1.001	1.001	NO	81.16		0.308	81.16
13	13 PCB-30			NO	1.48	6.650	24.66		1.039		YES			0.194	
14	14 PCB-18	3.08e5	0.96	NO	0.693	6.650	25.45	25.45	0.952	0.952	NO	805.8		0.277	805.8
15	15 PCB-17	1.89e5	0.99	NO	0.667	6.650	25.61	25.62	0.958	0.959	NO	512.1		0.287	512.1
16	16 PCB-24/27	3.24e4	0.97	NO	0.915	6.650	26.22	26.19	0.981	0.980	NO	64.08		0.210	64.08
17	17 PCB-16/32	2.56e5	0.96	NO	0.792	6.650	26.75	26.75	1.001	1.001	NO	584.9		0.242	584.9
18	18 PCB-34	1.46e4	1.03	NO	0.987	6.650	27.57	27.56	0.959	0.959	NO	20.34		0.418	20.34
19	19 PCB-23			NO	0.974	6.650	27.66		0.962		YES			0.424	
20	20 PCB-29	3.27e3	1.08	NO	0.953	6.650	27.93	27.91	0.972	0.971	NO	4.722		0.433	4.722
21	21 PCB-26	1.92e5	1.05	NO	1.00	6.650	28.14	28.13	0.979	0.979	NO	263.8		0.412	263.8
22	22 PCB-25	1.32e5	1.05	NO	0.978	6.650	28.31	28.30	0.985	0.984	NO	185.4		0.422	185.4
23	23 PCB-31	9.90e5	1.04	NO	1.12	6.650	28.68	28.65	0.998	0.997	NO	1213		0.367	1213
24	24 PCB-28	1.12e6	1.05	NO	1.11	6.650	28.76	28.76	1.001	1.001	NO	1391		0.373	1391
25	25 PCB-20/21/33	5.19e5	1.04	NO	1.00	6.650	29.39	29.42	1.022	1.023	NO	711.9		0.411	711.9
26	26 PCB-22	2.82e5	1.05	NO	1.03	6.650	29.86	29.84	1.039	1.038	NO	376.2		0.400	376.2
27	27 PCB-36	1.76e3	1.07	NO	1.18	6.650	30.55	30.50	0.932	0.930	NO	2.220		0.367	2.220
28	28 PCB-39	8.05e3	1.11	NO	1.08	6.650	31.01	30.98	0.946	0.945	NO	11.00		0.398	11.00
29	29 PCB-38	9.92e3	1.08	NO	1.13	6.650	31.82	31.80	0.971	0.970	NO	13.02		0.383	13.02
30	30 PCB-35	1.38e4	0.95	NO	1.13	6.650	32.37	32.38	0.987	0.987	NO	18.09		0.381	18.09
31	31 PCB-37	2.46e5	1.04	NO	1.11	6.650	32.82	32.80	1.001	1.001	NO	329.8		0.390	329.8
32	32 PCB-54	3.86e3	0.70	NO	0.996	6.650	27.59	27.59	1.001	1.001	NO	7.952		0.441	7.952

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

Last Altered: Friday, October 11, 2019 15:04:44 Pacific Daylight Time

Printed: Friday, October 11, 2019 15:05:22 Pacific Daylight Time

Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPG
33	33 PCB-50	3.12e3	0.58	YES	0.781	6.650	28.79	28.80	1.044	1.045	NO	8.197		0.562	6.904
34	34 PCB-53	1.05e5	0.73	NO	0.955	6.650	29.47	29.47	0.943	0.943	NO	271.6		0.578	271.6
35	35 PCB-51	4.06e4	0.74	NO	1.02	6.650	29.82	29.83	0.955	0.955	NO	97.92		0.539	97.92
36	36 PCB-45	8.91e4	0.74	NO	0.808	6.650	30.27	30.27	0.969	0.969	NO	272.3		0.683	272.3
37	37 PCB-46	3.63e4	0.73	NO	0.754	6.650	30.77	30.77	0.985	0.985	NO	119.1		0.733	119.1
38	38 PCB-52/69	9.05e5	0.73	NO	1.09	6.650	31.28	31.26	1.001	1.001	NO	2047		0.506	2047
39	39 PCB-73	2.47e3	0.88	NO	1.29	6.650	31.40	31.37	1.005	1.004	NO	4.734		0.428	4.734
40	40 PCB-43/49	6.86e5	0.73	NO	0.940	6.650	31.56	31.58	1.010	1.011	NO	1803		0.587	1803
41	41 PCB-47	2.73e5	0.72	NO	0.869	6.650	31.80	31.80	1.001	1.001	NO	704.9		0.610	704.9
42	42 PCB-48/75	1.63e5	0.73	NO	1.02	6.650	31.91	31.93	1.004	1.005	NO	356.8		0.517	356.8
43	43 PCB-65			NO	1.11	6.650	32.18		1.013		YES			0.478	
44	44 PCB-62			NO	1.07	6.650	32.29		1.016		YES			0.498	
45	45 PCB-44	5.86e5	0.73	NO	0.761	6.650	32.63	32.64	1.027	1.027	NO	1731		0.697	1731
46	46 PCB-42/59	2.62e5	0.72	NO	0.960	6.650	32.84	32.88	1.033	1.035	NO	613.3		0.552	613.3
47	47 PCB-41/64/71/72	6.46e5	0.73	NO	1.08	6.650	33.46	33.46	1.053	1.053	NO	1342		0.490	1342
48	48 PCB-68	9.59e3	0.83	NO	1.11	6.650	33.72	33.72	1.061	1.061	NO	19.44		0.478	19.44
49	49 PCB-40	8.70e4	0.73	NO	0.577	6.650	33.95	33.92	1.068	1.067	NO	338.9		0.919	338.9
50	50 PCB-57	5.19e3	0.77	NO	1.05	6.650	34.29	34.31	0.969	0.970	NO	9.361		0.397	9.361
51	51 PCB-67	2.77e4	0.70	NO	0.993	6.650	34.62	34.61	0.978	0.978	NO	52.81		0.419	52.81
52	52 PCB-58	8.60e3	0.73	NO	1.11	6.650	34.75	34.74	0.982	0.982	NO	14.62		0.374	14.62
53	53 PCB-63	3.17e4	0.78	NO	0.962	6.650	34.90	34.89	0.986	0.986	NO	62.25		0.433	62.25
54	54 PCB-74	4.41e5	0.72	NO	1.07	6.650	35.19	35.19	0.994	0.994	NO	782.0		0.390	782.0
55	55 PCB-61/70	1.24e6	0.73	NO	0.986	6.650	35.41	35.41	1.000	1.001	NO	2386		0.422	2386
56	56 PCB-76/66	1.05e6	0.74	NO	1.07	6.650	35.57	35.61	1.005	1.006	NO	1857		0.390	1857
57	57 PCB-80			NO	1.08	6.650	35.86		1.001		YES			0.397	
58	58 PCB-55	8.49e3	0.70	NO	1.07	6.650	36.18	36.15	1.010	1.009	NO	14.98		0.403	14.98
59	59 PCB-56/60	5.13e5	0.73	NO	0.934	6.650	36.68	36.67	1.024	1.023	NO	1034		0.461	1034
60	60 PCB-79	1.67e4	0.76	NO	1.04	6.650	37.80	37.79	1.055	1.055	NO	30.05		0.412	30.05
61	61 PCB-78	2.54e3	0.73	NO	1.03	6.650	38.50	38.44	0.987	0.985	NO	4.699		0.424	4.699
62	62 PCB-81	6.28e3	0.76	NO	0.933	6.650	39.04	39.09	1.000	1.002	NO	12.87		0.468	12.87
63	63 PCB-77	8.49e4	0.71	NO	1.03	6.650	39.65	39.65	1.000	1.000	NO	162.1		0.434	162.1
64	64 PCB-104	5.21e2	1.44	NO	0.995	6.650	32.51	32.52	1.001	1.001	NO	1.483		0.410	1.483
65	65 PCB-96	9.06e3	1.51	NO	0.996	6.650	33.80	33.75	1.041	1.039	NO	25.76		0.409	25.76
66	66 PCB-103	1.42e4	1.53	NO	0.774	6.650	34.37	34.31	1.058	1.056	NO	51.74		0.526	51.74
67	67 PCB-100	7.83e3	1.40	NO	0.778	6.650	34.74	34.68	1.069	1.068	NO	28.49		0.524	28.49
68	68 PCB-94	3.61e3	1.45	NO	0.773	6.650	35.17	35.17	0.985	0.985	NO	16.86		0.688	16.86

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	4.91e5	1.52	NO	1.01	6.650	35.64	35.72	0.999	1.001	NO	1749		0.524	1749
70	70 PCB-93			NO	0.841	6.650	35.77		1.002		YES			0.632	
71	71 PCB-88/91	1.07e5	1.54	NO	0.890	6.650	36.12	36.13	1.012	1.012	NO	434.3		0.598	434.3
72	72 PCB-121			NO	1.39	6.650	36.21		1.015		YES			0.384	
73	73 PCB-84/92	2.64e5	1.52	NO	0.879	6.650	37.07	37.06	0.990	0.990	NO	1129		0.622	1129
74	74 PCB-89	7.30e3	1.52	NO	0.959	6.650	37.28	37.25	0.996	0.995	NO	28.58		0.569	28.58
75	75 PCB-90/101	6.67e5	1.52	NO	0.944	6.650	37.46	37.46	1.000	1.001	NO	2656		0.579	2656
76	76 PCB-113	3.98e3	1.55	NO	1.23	6.650	37.70	37.72	1.007	1.007	NO	12.14		0.444	12.14
77	77 PCB-99	3.31e5	1.54	NO	1.12	6.650	37.80	37.79	1.010	1.009	NO	1113		0.488	1113
78	78 PCB-119	3.27e4	1.60	NO	1.47	6.650	38.27	38.28	0.987	0.987	NO	92.49		0.414	92.49
79	79 PCB-108/112	3.00e4	1.56	NO	1.25	6.650	38.43	38.44	0.991	0.991	NO	99.77		0.487	99.77
80	80 PCB-83	2.13e2	1.65	NO	1.55	6.650	38.60	38.61	0.996	0.996	NO	0.5726		0.394	0.5726
81	81 PCB-97	1.74e5	1.50	NO	1.07	6.650	38.82	38.81	1.001	1.001	NO	674.1		0.566	674.1
82	82 PCB-86	1.34e3	1.91	YES	0.996	6.650	38.96	38.96	1.005	1.005	NO	5.615		0.611	4.933
83	83 PCB-87/117/125	1.95e5	1.47	NO	1.33	6.650	39.07	39.09	1.008	1.008	NO	607.9		0.457	607.9
84	84 PCB-111/115	8.89e3	1.50	NO	1.60	6.650	39.24	39.24	1.012	1.012	NO	23.12		0.380	23.12
85	85 PCB-85/116	9.05e4	1.54	NO	1.22	6.650	39.36	39.35	1.015	1.015	NO	309.7		0.501	309.7
86	86 PCB-120	6.29e3	1.51	NO	1.68	6.650	39.63	39.63	1.022	1.022	NO	15.56		0.362	15.56
87	87 PCB-110	8.44e5	1.53	NO	1.49	6.650	39.77	39.78	1.026	1.026	NO	2366		0.410	2366
88	88 PCB-82	4.98e4	1.55	NO	0.674	6.650	40.41	40.42	0.975	0.975	NO	236.3		0.710	236.3
89	89 PCB-124	2.27e4	1.59	NO	1.16	6.650	41.15	41.14	0.993	0.993	NO	62.57		0.412	62.57
90	90 PCB-107/109	5.38e4	1.59	NO	1.17	6.650	41.29	41.29	0.996	0.996	NO	147.6		0.411	147.6
91	91 PCB-123	8.92e3	1.73	NO	1.04	6.650	41.46	41.46	1.000	1.000	NO	27.40		0.460	27.40
92	92 PCB-106/118	6.09e5	1.52	NO	1.07	6.650	41.66	41.64	1.001	1.000	NO	1810		0.451	1810
93	93 PCB-114	1.56e4	1.46	NO	1.16	6.650	42.32	42.32	1.000	1.000	NO	31.12		0.571	31.12
94	94 PCB-122	8.08e3	1.44	NO	0.973	6.650	42.45	42.45	1.003	1.004	NO	19.25		0.682	19.25
95	95 PCB-105	2.37e5	1.57	NO	1.10	6.650	43.21	43.21	1.000	1.000	NO	505.4		0.615	505.4
96	96 PCB-127			NO	1.11	6.650	43.55		1.000		YES			0.565	
97	97 PCB-126	3.81e3	1.54	NO	1.21	6.650	45.52	45.52	1.000	1.000	NO	8.159		0.631	8.159
98	98 PCB-155	2.65e2	1.12	NO	0.874	6.650	36.99	36.99	1.000	1.001	NO	1.422		0.410	1.422
99	99 PCB-150	1.89e3	1.33	NO	0.881	6.650	38.29	38.29	1.036	1.036	NO	10.03		0.407	10.03
100	1... PCB-152	5.22e2	1.23	NO	1.00	6.650	38.78	38.76	1.049	1.048	NO	2.434		0.357	2.434
101	1... PCB-145	1.29e2	1.23	NO	1.00	6.650	39.22	39.24	1.061	1.061	NO	0.6062		0.358	0.6062
102	1... PCB-136	7.51e4	1.23	NO	0.843	6.650	39.58	39.58	1.071	1.070	NO	417.3		0.425	417.3
103	1... PCB-148	1.24e3	1.05	YES	0.693	6.650	39.69	39.69	1.073	1.073	NO	8.259		0.517	7.741
104	1... PCB-154	1.07e4	1.31	NO	0.724	6.650	40.18	40.19	1.087	1.087	NO	69.55		0.495	69.55

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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
105	1... PCB-151	8.96e4	1.25	NO	0.632	6.650	40.85	40.86	1.105	1.105	NO	664.3		0.567	664.3
106	1... PCB-135	4.93e4	1.21	NO	0.716	6.650	41.08	41.08	1.111	1.111	NO	322.6		0.500	322.6
107	1... PCB-144	1.63e4	1.40	NO	0.667	6.650	41.18	41.20	1.114	1.114	NO	114.5		0.538	114.5
108	1... PCB-147	7.24e3	1.19	NO	0.661	6.650	41.31	41.33	1.117	1.118	NO	51.32		0.542	51.32
109	1... PCB-139/149	3.29e5	1.29	NO	0.738	6.650	41.59	41.59	1.125	1.125	NO	2087		0.485	2087
110	1... PCB-140	2.90e3	1.20	NO	0.627	6.650	41.78	41.79	1.130	1.130	NO	21.68		0.571	21.68
111	1... PCB-134/143	3.02e4	1.29	NO	0.733	6.650	42.27	42.26	0.975	0.975	NO	114.9		0.764	114.9
112	1... PCB-131/133	2.04e4	1.24	NO	0.790	6.650	42.56	42.55	0.982	0.981	NO	72.09		0.709	72.09
113	1... PCB-142			NO	0.708	6.650	42.71		0.985		YES			0.792	
114	1... PCB-146/165	1.44e5	1.19	NO	0.959	6.650	42.96	42.96	0.991	0.991	NO	417.9		0.584	417.9
115	1... PCB-132/161	1.97e5	1.16	NO	0.974	6.650	43.20	43.23	0.996	0.997	NO	562.5		0.575	562.5
116	1... PCB-153	8.24e5	1.19	NO	1.01	6.650	43.38	43.38	1.000	1.000	NO	2270		0.554	2270
117	1... PCB-168	1.87e3	1.47	YES	1.02	6.650	43.61	43.61	1.006	1.006	NO	5.111		0.550	4.627
118	1... PCB-141	1.16e5	1.19	NO	0.967	6.650	44.14	44.14	1.000	1.000	NO	409.7		0.694	409.7
119	1... PCB-137	1.91e4	1.16	NO	0.987	6.650	44.52	44.52	1.009	1.009	NO	66.26		0.679	66.26
120	1... PCB-130	3.28e4	1.21	NO	0.840	6.650	44.63	44.63	1.012	1.012	NO	133.4		0.798	133.4
121	1... PCB-138/163/164	7.74e5	1.19	NO	1.23	6.650	45.01	45.01	1.001	1.001	NO	2161		0.567	2161
122	1... PCB-158/160	6.23e4	1.25	NO	1.18	6.650	45.25	45.26	1.006	1.006	NO	180.9		0.590	180.9
123	1... PCB-129	1.70e4	1.19	NO	0.819	6.650	45.50	45.52	1.012	1.012	NO	70.82		0.848	70.82
124	1... PCB-166	2.25e3	1.10	NO	1.07	6.650	46.00	45.97	0.993	0.993	NO	6.042		0.540	6.042
125	1... PCB-159	1.18e4	1.18	NO	1.12	6.650	46.34	46.39	1.000	1.002	NO	30.24		0.516	30.24
126	1... PCB-128/162	8.48e4	1.23	NO	0.851	6.650	46.62	46.60	1.007	1.006	NO	286.1		0.679	286.1
127	1... PCB-167	2.57e4	1.20	NO	1.04	6.650	47.04	47.04	1.000	1.000	NO	72.64		0.552	72.64
128	1... PCB-156	6.48e4	1.15	NO	1.06	6.650	48.36	48.36	1.000	1.000	NO	188.0		0.578	188.0
129	1... PCB-157	1.09e4	1.21	NO	0.978	6.650	48.67	48.65	1.001	1.000	NO	34.32		0.654	34.32
130	1... PCB-169			NO	1.11	6.650	50.92		1.000		YES			0.650	
131	1... PCB-188	8.04e2	1.08	NO	1.19	6.650	43.00	43.00	1.001	1.001	NO	2.335		0.469	2.335
132	1... PCB-184	3.95e2	1.17	NO	1.17	6.650	43.44	43.46	1.011	1.011	NO	1.173		0.479	1.173
133	1... PCB-179	1.21e5	1.01	NO	1.18	6.650	44.25	44.25	1.030	1.030	NO	355.1		0.475	355.1
134	1... PCB-176	3.44e4	1.03	NO	1.16	6.650	44.72	44.72	1.041	1.041	NO	102.7		0.482	102.7
135	1... PCB-186			NO	1.22	6.650	45.33		1.055		YES			0.459	
136	1... PCB-178	4.00e4	0.98	NO	0.830	6.650	45.84	45.88	1.067	1.068	NO	167.0		0.673	167.0
137	1... PCB-175	6.43e3	0.95	NO	0.849	6.650	46.20	46.24	1.075	1.076	NO	26.23		0.659	26.23
138	1... PCB-182/187	2.59e5	1.04	NO	0.960	6.650	46.40	46.39	1.080	1.080	NO	934.4		0.582	934.4
139	1... PCB-183	1.11e5	1.03	NO	0.957	6.650	46.73	46.73	1.088	1.088	NO	403.0		0.585	403.0
140	1... PCB-185	2.08e4	1.03	NO	1.32	6.650	47.43	47.42	0.955	0.955	NO	92.66		0.742	92.66

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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	1.70e5	1.02	NO	1.22	6.650	47.80	47.79	0.962	0.962	NO	821.1		0.803	821.1
142	1... PCB-181	2.43e3	0.88	YES	1.41	6.650	47.90	47.87	0.964	0.964	NO	10.12		0.602	9.267
143	1... PCB-177	9.88e4	1.04	NO	1.24	6.650	48.08	48.06	0.968	0.968	NO	468.3		0.789	468.3
144	1... PCB-171	4.40e4	1.01	NO	1.24	6.650	48.37	48.36	0.974	0.974	NO	208.2		0.788	208.2
145	1... PCB-173	3.07e3	0.94	NO	1.14	6.650	48.81	48.80	0.983	0.982	NO	15.84		0.858	15.84
146	1... PCB-172	2.67e4	1.00	NO	1.31	6.650	49.29	49.27	0.992	0.992	NO	120.2		0.749	120.2
147	1... PCB-192			NO	1.70	6.650	49.48		0.996		YES			0.575	
148	1... PCB-180	3.89e5	1.03	NO	1.32	6.650	49.69	49.69	1.000	1.000	NO	1735		0.742	1735
149	1... PCB-193	2.30e4	1.00	NO	1.54	6.650	49.92	49.90	1.005	1.005	NO	88.06		0.636	88.06
150	1... PCB-191	7.12e3	1.04	NO	1.57	6.650	50.16	50.16	1.010	1.010	NO	26.62		0.622	26.62
151	1... PCB-170	1.27e5	1.00	NO	1.36	6.650	51.36	51.36	1.000	1.000	NO	698.2		0.887	698.2
152	1... PCB-190	3.47e4	1.03	NO	1.84	6.650	51.54	51.56	1.004	1.004	NO	141.3		0.656	141.3
153	1... PCB-189	5.03e3	1.05	NO	1.33	6.650	53.10	53.10	1.000	1.000	NO	24.51		0.683	24.51
154	1... PCB-202	1.71e4	0.97	NO	1.02	6.650	48.59	48.57	1.001	1.000	NO	84.74		0.525	84.74
155	1... PCB-201	1.24e4	0.81	NO	0.915	6.650	49.08	49.08	1.011	1.011	NO	68.72		0.588	68.72
156	1... PCB-204	2.24e2	0.80	NO	0.979	6.650	49.22	49.25	1.014	1.014	NO	1.158		0.549	1.158
157	1... PCB-197	3.31e3	0.94	NO	0.979	6.650	49.54	49.56	1.020	1.021	NO	17.15		0.549	17.15
158	1... PCB-200	1.01e4	0.89	NO	0.954	6.650	50.49	50.48	1.040	1.040	NO	53.85		0.564	53.85
159	1... PCB-198	2.33e3	0.81	NO	0.748	6.650	52.04	52.06	1.072	1.072	NO	15.77		0.719	15.77
160	1... PCB-199	4.67e4	0.90	NO	0.706	6.650	52.16	52.19	1.074	1.075	NO	335.2		0.762	335.2
161	1... PCB-196/203	5.89e4	0.89	NO	0.785	6.650	52.48	52.49	1.081	1.081	NO	380.0		0.685	380.0
162	1... PCB-195	2.77e4	0.91	NO	1.03	6.650	53.80	53.80	0.984	0.983	NO	160.8		0.785	160.8
163	1... PCB-194	7.16e4	0.93	NO	1.16	6.650	54.72	54.72	1.000	1.000	NO	372.1		0.702	372.1
164	1... PCB-205	3.94e3	0.93	NO	1.40	6.650	54.98	55.00	1.005	1.005	NO	16.90		0.580	16.90
165	1... PCB-208	1.02e4	1.33	NO	0.934	6.650	53.95	53.96	1.000	1.001	NO	55.26		0.689	55.26
166	1... PCB-207	4.58e3	1.42	NO	0.912	6.650	54.26	54.28	1.006	1.007	NO	25.48		0.706	25.48
167	1... PCB-206	2.60e4	1.29	NO	0.987	6.650	56.26	56.26	1.000	1.000	NO	215.5		1.01	215.5
168	1... PCB-209	4.07e4	1.21	NO	0.943	6.650	57.48	57.50	1.000	1.000	NO	368.4		0.935	368.4
169	1... 13C-PCB-1	8.42e5	3.03	NO	1.08	6.650	15.51	15.50	0.608	0.608	NO	800.3	53.2	1.37	
170	1... 13C-PCB-3	9.25e5	3.27	NO	1.09	6.650	18.16	18.14	0.712	0.712	NO	867.6	57.7	1.36	
171	1... 13C-PCB-4	6.41e5	1.62	NO	0.640	6.650	19.52	19.50	0.765	0.765	NO	1025	68.2	0.613	
172	1... 13C-PCB-9	1.09e6	1.59	NO	0.995	6.650	21.34	21.32	0.837	0.836	NO	1119	74.4	0.394	
173	1... 13C-PCB-11	9.92e5	1.61	NO	0.971	6.650	24.79	24.80	0.972	0.973	NO	1045	69.5	0.404	
174	1... 13C-PCB-19	5.50e5	1.01	NO	0.637	6.650	23.75	23.74	0.931	0.931	NO	882.7	58.7	4.56	
175	1... 13C-PCB-32	8.30e5	1.02	NO	0.910	6.650	26.74	26.73	1.048	1.048	NO	933.8	62.1	3.19	
176	1... 13C-PCB-28	1.09e6	0.94	NO	1.07	6.650	28.74	28.75	1.004	1.004	NO	1128	75.0	3.10	

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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.02e6	0.96	NO	0.959	6.650	32.72	32.78	1.143	1.145	NO	1168	77.7	3.46	
178	1... 13C-PCB-54	7.33e5	0.75	NO	1.10	6.650	27.59	27.57	0.753	0.752	NO	986.3	65.6	0.620	
179	1... 13C-PCB-52	6.09e5	0.77	NO	0.844	6.650	31.25	31.24	0.853	0.852	NO	1066	70.9	0.807	
180	1... 13C-PCB-47	6.69e5	0.77	NO	0.893	6.650	31.77	31.78	0.867	0.867	NO	1107	73.6	0.763	
181	1... 13C-PCB-70	7.96e5	0.78	NO	1.01	6.650	35.39	35.39	0.965	0.965	NO	1166	77.6	0.676	
182	1... 13C-PCB-80	7.98e5	0.79	NO	1.05	6.650	35.82	35.84	0.977	0.978	NO	1127	74.9	0.651	
183	1... 13C-PCB-81	7.86e5	0.76	NO	0.985	6.650	39.02	39.02	1.064	1.064	NO	1179	78.4	0.692	
184	1... 13C-PCB-77	7.63e5	0.79	NO	0.958	6.650	39.63	39.63	1.081	1.081	NO	1176	78.2	0.711	
185	1... 13C-PCB-104	5.31e5	1.61	NO	1.10	6.650	32.45	32.49	0.827	0.828	NO	1147	76.3	0.561	
186	1... 13C-PCB-95	4.16e5	1.63	NO	0.852	6.650	35.70	35.69	0.910	0.909	NO	1156	76.9	0.722	
187	1... 13C-PCB-101	4.00e5	1.63	NO	0.814	6.650	37.44	37.44	0.954	0.954	NO	1165	77.5	0.756	
188	1... 13C-PCB-97	3.61e5	1.65	NO	0.709	6.650	38.79	38.78	0.989	0.988	NO	1207	80.2	0.868	
189	1... 13C-PCB-123	4.70e5	1.66	NO	0.922	6.650	41.44	41.44	1.056	1.056	NO	1208	80.3	0.668	
190	1... 13C-PCB-118	4.73e5	1.63	NO	0.975	6.650	41.62	41.62	1.061	1.061	NO	1149	76.4	0.631	
191	1... 13C-PCB-114	6.49e5	1.53	NO	1.52	6.650	42.29	42.30	0.908	0.908	NO	1348	89.6	0.867	
192	1... 13C-PCB-105	6.40e5	1.52	NO	1.58	6.650	43.18	43.19	0.927	0.927	NO	1276	84.8	0.832	
193	1... 13C-PCB-127	6.84e5	1.57	NO	1.62	6.650	43.52	43.53	0.934	0.935	NO	1331	88.5	0.812	
194	1... 13C-PCB-126	5.79e5	1.54	NO	1.45	6.650	45.49	45.50	0.976	0.977	NO	1264	84.0	0.911	
195	1... 13C-PCB-155	3.21e5	1.31	NO	1.03	6.650	36.99	36.97	0.943	0.942	NO	740.8	49.3	0.272	
196	1... 13C-PCB-153	5.40e5	1.26	NO	1.42	6.650	43.35	43.36	0.931	0.931	NO	1195	79.5	0.951	
197	1... 13C-PCB-141	4.40e5	1.24	NO	1.14	6.650	44.10	44.12	0.947	0.947	NO	1215	80.8	1.19	
198	1... 13C-PCB-138	4.39e5	1.23	NO	1.18	6.650	44.98	44.97	0.966	0.965	NO	1175	78.1	1.15	
199	1... 13C-PCB-159	5.24e5	1.26	NO	1.43	6.650	46.29	46.32	0.994	0.994	NO	1152	76.6	0.945	
200	2... 13C-PCB-167	5.09e5	1.26	NO	1.42	6.650	47.01	47.02	1.009	1.009	NO	1128	75.0	0.951	
201	2... 13C-PCB-156	4.90e5	1.27	NO	1.40	6.650	48.31	48.34	1.037	1.038	NO	1107	73.6	0.969	
202	2... 13C-PCB-157	4.90e5	1.25	NO	1.41	6.650	48.61	48.63	1.044	1.044	NO	1099	73.1	0.963	
203	2... 13C-PCB-169	4.22e5	1.30	NO	1.35	6.650	50.88	50.90	1.092	1.093	NO	989.6	65.8	1.01	
204	2... 13C-PCB-188	4.34e5	0.46	NO	1.46	6.650	43.00	42.96	0.927	0.926	NO	1237	82.3	0.627	
205	2... 13C-PCB-180	2.56e5	0.45	NO	0.932	6.650	49.67	49.67	1.070	1.070	NO	1143	76.0	0.984	
206	2... 13C-PCB-170	2.01e5	0.46	NO	0.796	6.650	51.34	51.34	1.106	1.106	NO	1051	69.9	1.15	
207	2... 13C-PCB-189	2.32e5	0.45	NO	1.09	6.650	53.05	53.08	1.143	1.144	NO	885.9	58.9	0.841	
208	2... 13C-PCB-202	2.97e5	0.95	NO	1.45	6.650	48.54	48.55	1.042	1.042	NO	853.2	56.7	0.404	
209	2... 13C-PCB-194	2.50e5	0.89	NO	0.714	6.650	54.71	54.70	0.995	0.995	NO	1296	86.2	1.22	
210	2... 13C-PCB-208	2.96e5	0.78	NO	0.896	6.650	53.96	53.93	0.982	0.981	NO	1222	81.3	0.992	
211	2... 13C-PCB-206	1.84e5	0.83	NO	0.653	6.650	56.22	56.24	1.023	1.023	NO	1039	69.1	1.36	
212	2... 13C-PCB-209	1.76e5	1.23	NO	0.806	6.650	57.48	57.48	1.045	1.046	NO	807.5	53.7	0.630	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

Last Altered: Friday, October 11, 2019 15:04:44 Pacific Daylight Time
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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.47e6	1.57	NO	1.00	6.650	25.49	25.50	1.000	0.000	NO	1504	100	0.392	
214	2... 13C-PCB-31	1.36e6	0.97	NO	1.00	6.650	28.64	28.64	1.000	0.000	NO	1504	100	3.32	
215	2... 13C-PCB-60	1.02e6	0.78	NO	1.00	6.650	36.66	36.65	1.000	0.000	NO	1504	100	0.681	
216	2... 13C-PCB-111	6.35e5	1.62	NO	1.00	6.650	39.22	39.24	1.000	0.000	NO	1504	100	0.615	
217	2... 13C-PCB-128	4.77e5	1.27	NO	1.00	6.650	46.58	46.58	1.000	0.000	NO	1504	100	1.35	
218	2... 13C-PCB-182	3.61e5	0.46	NO	1.00	6.650	46.41	46.41	0.000	0.000	NO	1504	100	0.917	
219	2... 13C-PCB-205	4.07e5	0.90	NO	1.00	6.650	54.98	54.98	1.000	0.000	NO	1504	100	0.871	
220	2... 13C-PCB-79	8.05e5	0.76	NO	1.03	6.650	37.75	37.77	1.030	1.030	NO	1153	76.7	0.660	
221	2... 13C-PCB-178	2.61e5	0.44	NO	0.875	6.650	45.86	45.84	0.988	0.988	NO	941.5	62.6	0.783	
222	2... 13C-PCB-79	8.05e5	0.76	NO	1.05	6.650	37.75	37.77	0.967	0.968	NO	1474	98.0	0.855	
223	2... 13C-PCB-178	2.61e5	0.44	NO	0.975	6.650	45.88	45.84	0.924	0.923	NO	1575	105	1.34	
224	2... Total Mono-PCBs				1.01	6.650	0.00		0.000		NO	66.22		0.617	66.22
225	2... Total Di-PCBs				1.06	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	2... 2nd Function Tri-PCBs				0.914	6.650	0.00		0.000		NO	2048		1.52	2048
227	2... 3rd Function Tri-PCBs				1.06	6.650	0.00		0.000		NO	4540		5.58	4540
228	2... Total Tetra-PCBs				0.986	6.650	0.00		0.000		NO	16150		18.1	16160
229	2... 3rd Function Penta-PCBs				1.12	6.650	0.00		0.000		NO	13720		14.4	13720
230	2... 4th Function Penta-PCBs				1.11	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	2... 3rd Function Hexa-PCBs				0.774	6.650	0.00		0.000		NO	3763		6.17	3770
232	2... 4th Function Hexa-PCBs				0.972	6.650	0.00		0.000		NO	7077		12.0	7081
233	2... Total Hepta-PCBs				1.26	6.650	0.00		0.000		NO	6432		15.1	6442
234	2... 4th Function Octa-PCBs				0.886	6.650	0.00		0.000		NO	956.5		4.94	956.5
235	2... 5th Function Octa-PCBs				1.20	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	2... Total Nona-PCBs				0.945	6.650	0.00		0.000		NO	296.2		2.1	296.2
237	2... Deca-CB				0.943	6.650	0.00		0.000		NO	368.4		0.935	368.4
238	2... Total PCBs														

> 6588 -
> 14283.9 -
> 10840 -
> 1506.3 -
> 6588
> 14283.9 -
> 10851 -
> 1506.3 -

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

Total Mono-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.51	15.52	1.946e5	6.523e4	1.116e4	3.618e3	3.09	NO	1.478e4	25.853	25.853	0.209
2	PCB-2	17.93	17.92	1.244e5	3.722e4	7.643e3	2.316e3	3.30	NO	9.958e3	16.049	16.049	0.203
3	PCB-3	18.15	18.16	1.849e5	6.295e4	1.130e4	3.758e3	3.01	NO	1.506e4	24.316	24.316	0.204

Total Di-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.58	19.52	4.203e5	2.567e5	2.682e4	1.689e4	1.59	NO	4.371e4	80.430	80.430	0.559
2	PCB-7/9	21.38	21.35	1.265e5	8.519e4	1.246e4	8.394e3	1.48	NO	2.085e4	29.516	29.516	0.447
3	PCB-6	22.03	22.03	5.628e5	3.457e5	3.489e4	2.151e4	1.62	NO	5.640e4	76.635	76.635	0.429
4	PCB-5/8	22.44	22.43	2.177e6	1.368e6	1.368e5	8.619e4	1.59	NO	2.230e5	304.78	304.78	0.431
5	PCB-11	24.82	24.82	4.562e5	2.928e5	3.271e4	2.181e4	1.50	NO	5.452e4	75.398	75.398	0.511
6	PCB-12/13	25.25	25.19	2.571e5	1.689e5	1.811e4	1.149e4	1.58	NO	2.960e4	43.256	43.256	0.540
7	PCB-15	25.55	25.52	1.421e6	9.193e5	9.159e4	5.807e4	1.58	NO	1.497e5	220.58	220.58	0.545

2nd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.77	23.76	2.138e5	2.187e5	1.379e4	1.392e4	0.99	NO	2.771e4	81.155	81.155	0.308
2	PCB-18	25.45	25.45	2.604e6	2.707e6	1.511e5	1.572e5	0.96	NO	3.083e5	805.75	805.75	0.277
3	PCB-17	25.61	25.62	1.484e6	1.504e6	9.361e4	9.494e4	0.99	NO	1.885e5	512.14	512.14	0.287
4	PCB-24/27	26.22	26.19	2.234e5	2.337e5	1.597e4	1.639e4	0.97	NO	3.236e4	64.085	64.085	0.210
5	PCB-16/32	26.75	26.75	1.197e6	1.256e6	1.252e5	1.307e5	0.96	NO	2.558e5	584.85	584.85	0.242

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

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ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.57	27.56	9.570e4	9.203e4	7.420e3	7.175e3	1.03	NO	1.459e4	20.341	20.341	0.418
2	PCB-29	27.93	27.91	2.247e4	2.201e4	1.697e3	1.574e3	1.08	NO	3.272e3	4.7221	4.7221	0.433
3	PCB-26	28.14	28.13	1.305e6	1.239e6	9.837e4	9.354e4	1.05	NO	1.919e5	263.83	263.83	0.412
4	PCB-25	28.31	28.30	8.885e5	8.385e5	6.745e4	6.433e4	1.05	NO	1.318e5	185.44	185.44	0.422
5	PCB-31	28.68	28.65	6.748e6	6.477e6	5.043e5	4.857e5	1.04	NO	9.901e5	1213.1	1213.1	0.367
6	PCB-28	28.76	28.76	7.547e6	7.223e6	5.720e5	5.456e5	1.05	NO	1.118e6	1390.8	1390.8	0.373
7	PCB-20/21/33	29.39	29.42	3.210e6	3.113e6	2.649e5	2.542e5	1.04	NO	5.191e5	711.89	711.89	0.411
8	PCB-22	29.86	29.84	1.869e6	1.804e6	1.445e5	1.379e5	1.05	NO	2.824e5	376.24	376.24	0.400
9	PCB-36	30.55	30.50	1.082e4	1.183e4	9.103e2	8.547e2	1.07	NO	1.765e3	2.2205	2.2205	0.367
10	PCB-39	31.01	30.98	5.379e4	4.930e4	4.232e3	3.822e3	1.11	NO	8.054e3	10.998	10.998	0.398
11	PCB-38	31.82	31.80	6.117e4	5.865e4	5.155e3	4.765e3	1.08	NO	9.920e3	13.015	13.015	0.383
12	PCB-35	32.37	32.38	8.215e4	8.395e4	6.756e3	7.075e3	0.95	NO	1.383e4	18.086	18.086	0.381
13	PCB-37	32.82	32.80	1.675e6	1.616e6	1.258e5	1.205e5	1.04	NO	2.464e5	329.75	329.75	0.390

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

Last Altered: Friday, October 11, 2019 15:04:44 Pacific Daylight Time

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ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

Total Tetra-PCBs

	Name	Pred.R.	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.59	27.59	2.076e4	2.982e4	1.585e3	2.276e3	0.70	NO	3.861e3	7.9521	7.9521	0.441
2	PCB-50	28.79	28.80	1.462e4	2.728e4	1.144e3	1.979e3	0.58	YES	3.123e3	0.00000	6.9043	0.562
3	PCB-53	29.47	29.47	5.911e5	8.167e5	4.420e4	6.084e4	0.73	NO	1.050e5	271.64	271.64	0.578
4	PCB-51	29.82	29.83	2.339e5	3.167e5	1.730e4	2.328e4	0.74	NO	4.058e4	97.916	97.916	0.539
5	PCB-45	30.27	30.27	5.035e5	6.804e5	3.784e4	5.123e4	0.74	NO	8.907e4	272.28	272.28	0.683
6	PCB-46	30.77	30.77	2.090e5	2.822e5	1.535e4	2.099e4	0.73	NO	3.634e4	119.11	119.11	0.733
7	PCB-52/69	31.28	31.26	4.886e6	6.733e6	3.810e5	5.237e5	0.73	NO	9.047e5	2046.5	2046.5	0.506
8	PCB-73	31.40	31.37	2.707e4	3.062e4	1.155e3	1.316e3	0.88	NO	2.472e3	4.7341	4.7341	0.428
9	PCB-43/49	31.56	31.58	3.575e6	4.922e6	2.901e5	3.961e5	0.73	NO	6.862e5	1802.8	1802.8	0.587
10	PCB-47	31.80	31.80	1.378e6	1.939e6	1.138e5	1.589e5	0.72	NO	2.726e5	704.93	704.93	0.610
11	PCB-48/75	31.91	31.93	8.613e5	1.184e6	6.853e4	9.418e4	0.73	NO	1.627e5	356.81	356.81	0.517
12	PCB-44	32.63	32.64	3.232e6	4.467e6	2.480e5	3.383e5	0.73	NO	5.863e5	1730.8	1730.8	0.697
13	PCB-42/59	32.84	32.88	1.436e6	1.985e6	1.099e5	1.522e5	0.72	NO	2.621e5	613.33	613.33	0.552
14	PCB-41/64/71/72	33.46	33.46	3.352e6	4.576e6	2.721e5	3.739e5	0.73	NO	6.461e5	1341.5	1341.5	0.490
15	PCB-68	33.72	33.72	5.579e4	6.457e4	4.360e3	5.234e3	0.83	NO	9.594e3	19.440	19.440	0.478
16	PCB-40	33.95	33.92	4.918e5	6.761e5	3.666e4	5.033e4	0.73	NO	8.699e4	338.87	338.87	0.919
17	PCB-57	34.29	34.31	2.752e4	3.648e4	2.250e3	2.940e3	0.77	NO	5.189e3	9.3606	9.3606	0.397
18	PCB-67	34.62	34.61	1.468e5	2.084e5	1.137e4	1.637e4	0.70	NO	2.774e4	52.809	52.809	0.419
19	PCB-58	34.75	34.74	4.794e4	6.583e4	3.628e3	4.973e3	0.73	NO	8.601e3	14.618	14.618	0.374
20	PCB-63	34.90	34.89	1.791e5	2.270e5	1.391e4	1.777e4	0.78	NO	3.168e4	62.254	62.254	0.433
21	PCB-74	35.19	35.19	2.406e6	3.333e6	1.853e5	2.556e5	0.72	NO	4.410e5	782.00	782.00	0.390
22	PCB-61/70	35.41	35.41	6.972e6	9.497e6	5.263e5	7.177e5	0.73	NO	1.244e6	2385.7	2385.7	0.422
23	PCB-76/66	35.57	35.61	5.563e6	7.579e6	4.451e5	6.024e5	0.74	NO	1.047e6	1857.2	1857.2	0.390
24	PCB-55	36.18	36.15	3.871e4	5.577e4	3.488e3	5.002e3	0.70	NO	8.490e3	14.982	14.982	0.403
25	PCB-56/60	36.68	36.67	2.873e6	3.917e6	2.167e5	2.958e5	0.73	NO	5.126e5	1034.1	1034.1	0.461
26	PCB-79	37.80	37.79	8.626e4	1.130e5	7.200e3	9.456e3	0.76	NO	1.666e4	30.049	30.049	0.412
27	PCB-78	38.50	38.44	1.293e4	1.824e4	1.068e3	1.467e3	0.73	NO	2.535e3	4.6990	4.6990	0.424
28	PCB-81	39.04	39.09	6.432e4	8.764e4	2.704e3	3.576e3	0.76	NO	6.280e3	12.874	12.874	0.468
29	PCB-77	39.65	39.65	4.353e5	6.345e5	3.511e4	4.980e4	0.71	NO	8.491e4	162.09	162.09	0.434

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ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.51	32.52	3.575e3	2.441e3	3.074e2	2.138e2	1.44	NO	5.212e2	1.4833	1.4833	0.410
2	PCB-96	33.80	33.75	7.370e4	5.043e4	5.451e3	3.613e3	1.51	NO	9.064e3	25.764	25.764	0.409
3	PCB-103	34.37	34.31	1.132e5	7.531e4	8.568e3	5.586e3	1.53	NO	1.415e4	51.742	51.742	0.526
4	PCB-100	34.74	34.68	5.893e4	4.125e4	4.561e3	3.265e3	1.40	NO	7.826e3	28.486	28.486	0.524
5	PCB-94	35.17	35.17	2.723e4	1.932e4	2.137e3	1.469e3	1.45	NO	3.606e3	16.856	16.856	0.688
6	PCB-95/98/102	35.64	35.72	3.610e6	2.334e6	2.960e5	1.949e5	1.52	NO	4.909e5	1749.2	1749.2	0.524
7	PCB-88/91	36.12	36.13	8.295e5	5.393e5	6.481e4	4.205e4	1.54	NO	1.069e5	434.32	434.32	0.598
8	PCB-84/92	37.07	37.06	2.109e6	1.359e6	1.594e5	1.045e5	1.52	NO	2.639e5	1128.6	1128.6	0.622
9	PCB-89	37.28	37.25	5.791e4	3.729e4	4.405e3	2.895e3	1.52	NO	7.300e3	28.584	28.584	0.569
10	PCB-90/101	37.46	37.46	5.009e6	3.346e6	4.020e5	2.653e5	1.52	NO	6.674e5	2656.1	2656.1	0.579
11	PCB-113	37.70	37.72	8.223e4	5.026e4	2.419e3	1.557e3	1.55	NO	3.977e3	12.140	12.140	0.444
12	PCB-99	37.80	37.79	2.517e6	1.649e6	2.009e5	1.304e5	1.54	NO	3.314e5	1112.6	1112.6	0.488
13	PCB-119	38.27	38.28	2.557e5	1.601e5	2.011e4	1.259e4	1.60	NO	3.270e4	92.490	92.490	0.414
14	PCB-108/112	38.43	38.44	2.407e5	1.542e5	1.825e4	1.170e4	1.56	NO	2.995e4	99.771	99.771	0.487
15	PCB-83	38.60	38.61	1.928e3	1.445e3	1.325e2	8.026e1	1.65	NO	2.128e2	0.57256	0.57256	0.394
16	PCB-97	38.82	38.81	1.323e6	8.801e5	1.046e5	6.954e4	1.50	NO	1.741e5	674.14	674.14	0.566
17	PCB-86	38.96	38.96	1.424e4	7.528e3	8.822e2	4.609e2	1.91	YES	1.343e3	0.00000	4.9330	0.611
18	PCB-87/117/125	39.07	39.09	1.483e6	1.016e6	1.159e5	7.877e4	1.47	NO	1.946e5	607.93	607.93	0.457
19	PCB-111/115	39.24	39.24	7.870e4	5.177e4	5.338e3	3.555e3	1.50	NO	8.893e3	23.117	23.117	0.380
20	PCB-85/116	39.36	39.35	6.887e5	4.445e5	5.489e4	3.559e4	1.54	NO	9.048e4	309.70	309.70	0.501
21	PCB-120	39.63	39.63	4.065e4	2.693e4	3.780e3	2.505e3	1.51	NO	6.285e3	15.563	15.563	0.362
22	PCB-110	39.77	39.78	6.466e6	4.181e6	5.104e5	3.341e5	1.53	NO	8.445e5	2365.5	2365.5	0.410
23	PCB-82	40.41	40.42	3.916e5	2.537e5	3.029e4	1.952e4	1.55	NO	4.981e4	236.31	236.31	0.710
24	PCB-124	41.15	41.14	1.475e5	9.562e4	1.396e4	8.786e3	1.59	NO	2.275e4	62.573	62.573	0.412
25	PCB-107/109	41.29	41.29	4.108e5	2.527e5	3.302e4	2.078e4	1.59	NO	5.380e4	147.59	147.59	0.411
26	PCB-123	41.46	41.46	7.384e4	4.280e4	5.649e3	3.266e3	1.73	NO	8.915e3	27.396	27.396	0.460
27	PCB-106/118	41.66	41.64	4.615e6	3.056e6	3.677e5	2.417e5	1.52	NO	6.094e5	1810.4	1810.4	0.451

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4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.32	42.32	1.057e5	6.972e4	9.252e3	6.353e3	1.46	NO	1.561e4	31.116	31.116	0.571
2	PCB-122	42.45	42.45	6.251e4	4.209e4	4.774e3	3.311e3	1.44	NO	8.084e3	19.253	19.253	0.682
3	PCB-105	43.21	43.21	1.779e6	1.133e6	1.446e5	9.226e4	1.57	NO	2.369e5	505.40	505.40	0.615
4	PCB-126	45.52	45.52	2.726e4	1.890e4	2.308e3	1.502e3	1.54	NO	3.809e3	8.1588	8.1588	0.631

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.99	36.99	1.568e3	2.003e3	1.399e2	1.253e2	1.12	NO	2.652e2	1.4222	1.4222	0.410
2	PCB-150	38.29	38.29	1.386e4	1.036e4	1.076e3	8.095e2	1.33	NO	1.885e3	10.032	10.032	0.407
3	PCB-152	38.78	38.76	3.738e3	3.257e3	2.878e2	2.338e2	1.23	NO	5.217e2	2.4339	2.4339	0.357
4	PCB-145	39.22	39.24	8.000e2	8.280e2	7.136e1	5.797e1	1.23	NO	1.293e2	0.60622	0.60622	0.358
5	PCB-136	39.58	39.58	5.096e5	4.173e5	4.135e4	3.374e4	1.23	NO	7.509e4	417.32	417.32	0.425
6	PCB-148	39.69	39.69	1.094e4	1.113e4	6.340e2	6.027e2	1.05	YES	1.237e3	0.00000	7.7415	0.517
7	PCB-154	40.18	40.19	8.013e4	6.048e4	6.090e3	4.653e3	1.31	NO	1.074e4	69.547	69.547	0.495
8	PCB-151	40.85	40.86	6.319e5	4.994e5	4.977e4	3.983e4	1.25	NO	8.959e4	664.29	664.29	0.567
9	PCB-135	41.08	41.08	3.370e5	2.779e5	2.700e4	2.228e4	1.21	NO	4.928e4	322.55	322.55	0.500
10	PCB-144	41.18	41.20	1.158e5	8.908e4	9.507e3	6.782e3	1.40	NO	1.629e4	114.51	114.51	0.538
11	PCB-147	41.31	41.33	5.205e4	4.160e4	3.936e3	3.302e3	1.19	NO	7.238e3	51.318	51.318	0.542
12	PCB-139/149	41.59	41.59	2.400e6	1.883e6	1.850e5	1.438e5	1.29	NO	3.288e5	2087.0	2087.0	0.485
13	PCB-140	41.78	41.79	2.012e4	1.689e4	1.586e3	1.316e3	1.20	NO	2.903e3	21.683	21.683	0.571

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4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.27	42.26	2.090e5	1.599e5	1.706e4	1.317e4	1.29	NO	3.023e4	114.89	114.89	0.764
2	PCB-131/133	42.56	42.55	1.455e5	1.203e5	1.131e4	9.130e3	1.24	NO	2.044e4	72.087	72.087	0.709
3	PCB-146/165	42.96	42.96	1.013e6	8.368e5	7.802e4	6.582e4	1.19	NO	1.438e5	417.88	417.88	0.584
4	PCB-132/161	43.20	43.23	1.403e6	1.216e6	1.056e5	9.100e4	1.16	NO	1.966e5	562.45	562.45	0.575
5	PCB-153	43.38	43.38	5.715e6	4.778e6	4.478e5	3.765e5	1.19	NO	8.242e5	2270.0	2270.0	0.554
6	PCB-168	43.61	43.61	1.161e4	7.672e3	1.114e3	7.554e2	1.47	YES	1.869e3	0.00000	4.6266	0.550
7	PCB-141	44.14	44.14	7.921e5	6.780e5	6.291e4	5.304e4	1.19	NO	1.160e5	409.75	409.75	0.694
8	PCB-137	44.52	44.52	1.321e5	1.150e5	1.027e4	8.874e3	1.16	NO	1.914e4	66.263	66.263	0.679
9	PCB-130	44.63	44.63	2.183e5	1.861e5	1.798e4	1.481e4	1.21	NO	3.279e4	133.35	133.35	0.798
10	PCB-138/163/164	45.01	45.01	4.508e6	3.753e6	4.212e5	3.532e5	1.19	NO	7.744e5	2160.9	2160.9	0.567
11	PCB-158/160	45.25	45.26	4.220e5	3.392e5	3.458e4	2.771e4	1.25	NO	6.229e4	180.91	180.91	0.590
12	PCB-129	45.50	45.52	1.175e5	9.595e4	9.202e3	7.753e3	1.19	NO	1.695e4	70.819	70.819	0.848
13	PCB-166	46.00	45.97	1.556e4	1.398e4	1.178e3	1.071e3	1.10	NO	2.249e3	6.0417	6.0417	0.540
14	PCB-159	46.34	46.39	7.838e4	6.749e4	6.384e3	5.401e3	1.18	NO	1.178e4	30.239	30.239	0.516
15	PCB-128/162	46.62	46.60	5.816e5	4.733e5	4.669e4	3.806e4	1.23	NO	8.476e4	286.15	286.15	0.679
16	PCB-167	47.04	47.04	1.793e5	1.503e5	1.399e4	1.166e4	1.20	NO	2.565e4	72.643	72.643	0.552
17	PCB-156	48.36	48.36	4.472e5	3.820e5	3.470e4	3.007e4	1.15	NO	6.477e4	187.97	187.97	0.578
18	PCB-157	48.67	48.65	7.323e4	5.732e4	5.990e3	4.944e3	1.21	NO	1.093e4	34.316	34.316	0.654

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Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	43.00	43.00	5.351e3	5.034e3	4.174e2	3.868e2	1.08	NO	8.042e2	2.3346	2.3346	0.469
2	PCB-184	43.44	43.46	2.915e3	2.754e3	2.131e2	1.819e2	1.17	NO	3.951e2	1.1728	1.1728	0.479
3	PCB-179	44.25	44.25	7.937e5	7.769e5	6.068e4	5.988e4	1.01	NO	1.206e5	355.06	355.06	0.475
4	PCB-176	44.72	44.72	2.191e5	2.193e5	1.743e4	1.693e4	1.03	NO	3.436e4	102.65	102.65	0.482
5	PCB-178	45.84	45.88	2.487e5	2.516e5	1.979e4	2.025e4	0.98	NO	4.004e4	166.97	166.97	0.673
6	PCB-175	46.20	46.24	4.094e4	4.125e4	3.132e3	3.295e3	0.95	NO	6.427e3	26.233	26.233	0.659
7	PCB-182/187	46.40	46.39	1.674e6	1.633e6	1.318e5	1.273e5	1.04	NO	2.590e5	934.45	934.45	0.582
8	PCB-183	46.73	46.73	7.308e5	7.057e5	5.657e4	5.473e4	1.03	NO	1.113e5	403.00	403.00	0.585
9	PCB-185	47.43	47.42	1.359e5	1.355e5	1.052e4	1.026e4	1.03	NO	2.079e4	92.659	92.659	0.742
10	PCB-174	47.80	47.79	1.081e6	1.064e6	8.588e4	8.424e4	1.02	NO	1.701e5	821.13	821.13	0.803
11	PCB-181	47.90	47.87	3.923e4	3.705e4	1.141e3	1.292e3	0.88	YES	2.433e3	0.00000	9.2671	0.692
12	PCB-177	48.08	48.06	6.209e5	6.165e5	5.033e4	4.843e4	1.04	NO	9.876e4	468.31	468.31	0.789
13	PCB-171	48.37	48.36	2.689e5	2.696e5	2.205e4	2.192e4	1.01	NO	4.397e4	208.23	208.23	0.788
14	PCB-173	48.81	48.80	1.807e4	2.038e4	1.486e3	1.588e3	0.94	NO	3.073e3	15.838	15.838	0.858
15	PCB-172	49.29	49.27	1.668e5	1.672e5	1.335e4	1.337e4	1.00	NO	2.671e4	120.22	120.22	0.749
16	PCB-180	49.69	49.69	2.474e6	2.422e6	1.977e5	1.917e5	1.03	NO	3.894e5	1735.4	1735.4	0.742
17	PCB-193	49.92	49.90	1.426e5	1.400e5	1.153e4	1.152e4	1.00	NO	2.304e4	88.055	88.055	0.636
18	PCB-191	50.16	50.16	4.352e4	4.560e4	3.622e3	3.499e3	1.04	NO	7.121e3	26.622	26.622	0.622
19	PCB-170	51.36	51.36	7.974e5	8.167e5	6.324e4	6.356e4	1.00	NO	1.268e5	698.22	698.22	0.887
20	PCB-190	51.54	51.56	2.209e5	2.241e5	1.763e4	1.710e4	1.03	NO	3.473e4	141.30	141.30	0.656
21	PCB-189	53.10	53.10	3.925e4	3.496e4	2.575e3	2.457e3	1.05	NO	5.032e3	24.509	24.509	0.683

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4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.59	48.57	1.058e5	1.071e5	8.440e3	8.693e3	0.97	NO	1.713e4	84.743	84.743	0.525
2	PCB-201	49.08	49.08	6.588e4	8.465e4	5.548e3	6.866e3	0.81	NO	1.241e4	68.716	68.716	0.588
3	PCB-204	49.22	49.25	1.444e3	1.739e3	9.962e1	1.242e2	0.80	NO	2.238e2	1.1581	1.1581	0.549
4	PCB-197	49.54	49.56	2.058e4	1.957e4	1.610e3	1.705e3	0.94	NO	3.314e3	17.148	17.148	0.549
5	PCB-200	50.49	50.48	5.903e4	6.827e4	4.769e3	5.375e3	0.89	NO	1.014e4	53.854	53.854	0.564
6	PCB-198	52.04	52.06	1.549e4	1.818e4	1.043e3	1.286e3	0.81	NO	2.329e3	15.768	15.768	0.719
7	PCB-199	52.16	52.19	3.073e5	3.359e5	2.209e4	2.462e4	0.90	NO	4.671e4	335.16	335.16	0.762
8	PCB-196/203	52.48	52.49	3.845e5	4.366e5	2.769e4	3.118e4	0.89	NO	5.887e4	379.99	379.99	0.685

5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.80	53.80	2.180e5	2.414e5	1.317e4	1.450e4	0.91	NO	2.766e4	160.78	160.78	0.785
2	PCB-194	54.72	54.72	6.194e5	6.807e5	3.442e4	3.719e4	0.93	NO	7.162e4	372.10	372.10	0.702
3	PCB-205	54.98	55.00	3.444e4	3.888e4	1.896e3	2.045e3	0.93	NO	3.941e3	16.902	16.902	0.580

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.95	53.96	9.481e4	7.389e4	5.816e3	4.361e3	1.33	NO	1.018e4	55.262	55.262	0.689
2	PCB-207	54.26	54.28	4.488e4	3.301e4	2.692e3	1.890e3	1.42	NO	4.582e3	25.483	25.483	0.706
3	PCB-206	56.26	56.26	2.614e5	1.960e5	1.465e4	1.133e4	1.29	NO	2.597e4	215.48	215.48	1.01

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.48	57.50	4.229e5	3.402e5	2.226e4	1.839e4	1.21	NO	4.065e4	368.41	368.41	0.935

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

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Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.51	15.50	1.095e7	3.633e6	6.333e5	2.092e5	3.03	NO	8.425e5	800.27		1.37
2	13C-PCB-3	18.16	18.14	1.162e7	3.507e6	7.082e5	2.165e5	3.27	NO	9.247e5	867.61		1.36

Total Di-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.52	19.50	6.669e6	4.097e6	3.962e5	2.446e5	1.62	NO	6.408e5	1024.9		0.613
2	13C-PCB-9	21.34	21.32	1.082e7	6.779e6	6.680e5	4.201e5	1.59	NO	1.088e6	1119.0		0.394
3	13C-PCB-11	24.79	24.80	8.463e6	5.245e6	6.118e5	3.803e5	1.61	NO	9.921e5	1045.3		0.404
4	13C-PCB-15	25.49	25.50	1.405e7	9.012e6	8.967e5	5.725e5	1.57	NO	1.469e6	1503.8		0.392

2nd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.75	23.74	4.351e6	4.222e6	2.765e5	2.730e5	1.01	NO	5.496e5	882.65		4.56
2	13C-PCB-32	26.74	26.73	6.540e6	6.367e6	4.188e5	4.114e5	1.02	NO	8.302e5	933.82		3.19

3rd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.64	28.64	9.011e6	9.310e6	6.703e5	6.918e5	0.97	NO	1.362e6	1503.8		3.32
2	13C-PCB-28	28.74	28.75	6.951e6	7.436e6	5.299e5	5.628e5	0.94	NO	1.093e6	1128.3		3.10
3	13C-PCB-37	32.72	32.78	6.712e6	7.051e6	4.976e5	5.179e5	0.96	NO	1.015e6	1168.4		3.46

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-10.qld

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ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

Tetra-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.59	27.57	4.296e6	5.695e6	3.148e5	4.186e5	0.75	NO	7.334e5	986.35		0.620
2	13C-PCB-52	31.25	31.24	3.464e6	4.505e6	2.650e5	3.439e5	0.77	NO	6.089e5	1065.5		0.807
3	13C-PCB-47	31.77	31.78	3.606e6	4.699e6	2.911e5	3.784e5	0.77	NO	6.694e5	1107.0		0.763
4	13C-PCB-70	35.39	35.39	4.629e6	5.919e6	3.485e5	4.470e5	0.78	NO	7.956e5	1166.3		0.676
5	13C-PCB-80	35.82	35.84	4.509e6	5.633e6	3.521e5	4.456e5	0.79	NO	7.977e5	1126.8		0.651
6	13C-PCB-60	36.66	36.65	5.778e6	7.506e6	4.457e5	5.723e5	0.78	NO	1.018e6	1503.8		0.681
7	13C-PCB-79	37.75	37.77	4.430e6	5.728e6	3.491e5	4.564e5	0.76	NO	8.055e5	1152.9		0.660
8	13C-PCB-81	39.02	39.02	4.347e6	5.686e6	3.399e5	4.463e5	0.76	NO	7.861e5	1179.0		0.692
9	13C-PCB-77	39.63	39.63	4.344e6	5.418e6	3.376e5	4.251e5	0.79	NO	7.628e5	1175.7		0.711

3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.45	32.49	4.324e6	2.694e6	3.275e5	2.038e5	1.61	NO	5.313e5	1147.2		0.561
2	13C-PCB-95	35.70	35.69	3.331e6	2.083e6	2.578e5	1.581e5	1.63	NO	4.159e5	1156.3		0.722
3	13C-PCB-101	37.44	37.44	3.245e6	2.014e6	2.482e5	1.521e5	1.63	NO	4.003e5	1165.4		0.756
4	13C-PCB-97	38.79	38.78	2.924e6	1.809e6	2.250e5	1.363e5	1.65	NO	3.613e5	1206.6		0.868
5	13C-PCB-111	39.22	39.24	5.032e6	3.124e6	3.926e5	2.422e5	1.62	NO	6.348e5	1503.8		0.615
6	13C-PCB-123	41.44	41.44	3.727e6	2.242e6	2.936e5	1.764e5	1.66	NO	4.700e5	1208.0		0.668
7	13C-PCB-118	41.62	41.62	3.673e6	2.294e6	2.931e5	1.800e5	1.63	NO	4.730e5	1149.3		0.631

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.29	42.30	4.860e6	3.174e6	3.925e5	2.567e5	1.53	NO	6.492e5	1347.9		0.867
2	13C-PCB-105	43.18	43.19	4.751e6	3.138e6	3.863e5	2.540e5	1.52	NO	6.402e5	1275.5		0.832
3	13C-PCB-127	43.52	43.53	5.202e6	3.341e6	4.177e5	2.666e5	1.57	NO	6.842e5	1331.0		0.812
4	13C-PCB-126	45.49	45.50	4.222e6	2.743e6	3.507e5	2.284e5	1.54	NO	5.790e5	1263.8		0.911

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ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.35	43.36	3.779e6	3.020e6	3.013e5	2.382e5	1.26	NO	5.395e5	1195.4		0.951
2	13C-PCB-141	44.10	44.12	3.125e6	2.478e6	2.432e5	1.968e5	1.24	NO	4.401e5	1214.8		1.19
3	13C-PCB-138	44.98	44.97	3.009e6	2.469e6	2.422e5	1.972e5	1.23	NO	4.394e5	1174.7		1.15
4	13C-PCB-159	46.29	46.32	3.665e6	2.889e6	2.924e5	2.313e5	1.26	NO	5.236e5	1152.5		0.945
5	13C-PCB-128	46.58	46.58	3.420e6	2.685e6	2.668e5	2.099e5	1.27	NO	4.767e5	1503.8		1.35
6	13C-PCB-167	47.01	47.02	3.676e6	2.899e6	2.841e5	2.253e5	1.26	NO	5.094e5	1128.4		0.951
7	13C-PCB-156	48.31	48.34	3.477e6	2.736e6	2.744e5	2.158e5	1.27	NO	4.903e5	1106.6		0.969
8	13C-PCB-157	48.61	48.63	3.301e6	2.680e6	2.725e5	2.175e5	1.25	NO	4.900e5	1098.9		0.963
9	13C-PCB-169	50.88	50.90	2.978e6	2.239e6	2.387e5	1.836e5	1.30	NO	4.223e5	989.63		1.01

5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.71	54.70	2.117e6	2.396e6	1.180e5	1.324e5	0.89	NO	2.504e5	1296.4		1.22
2	13C-PCB-205	54.98	54.98	3.588e6	3.966e6	1.923e5	2.146e5	0.90	NO	4.070e5	1503.8		0.871

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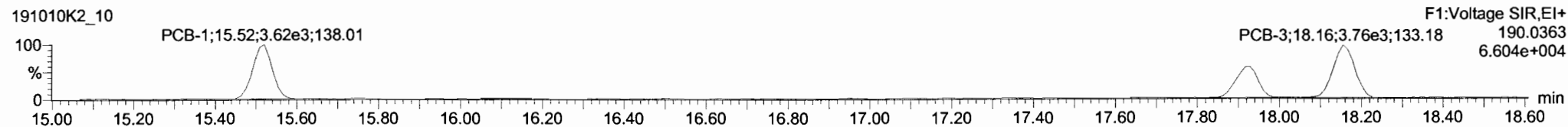
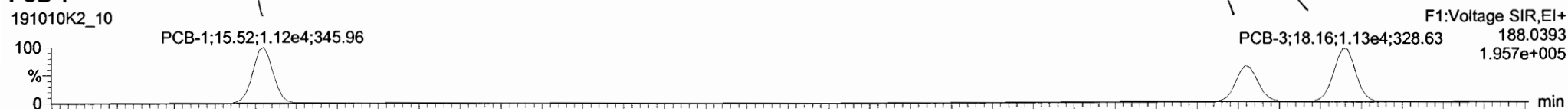
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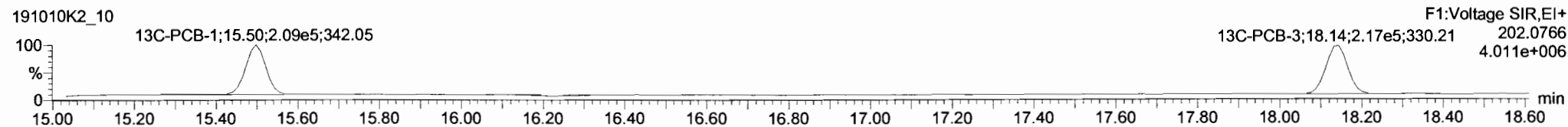
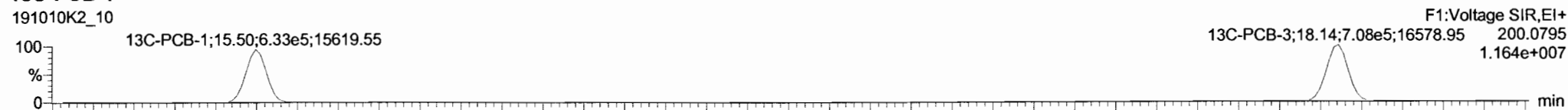
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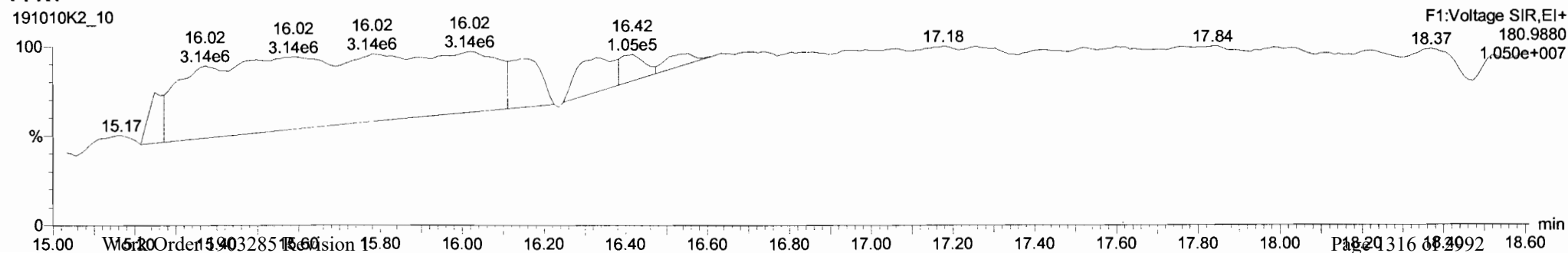
PCB-1



13C-PCB-1



PFK1



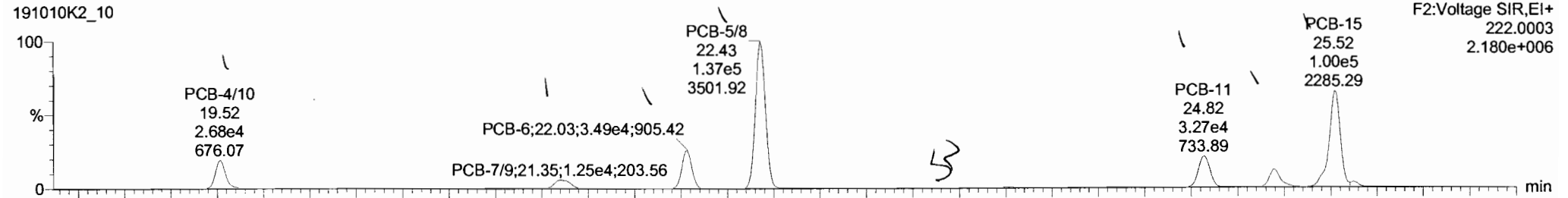
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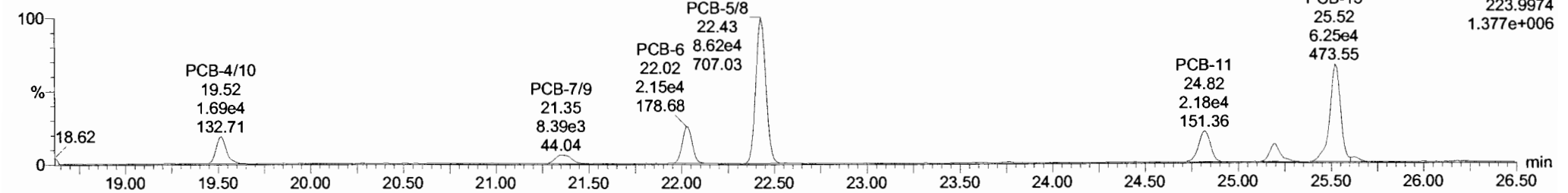
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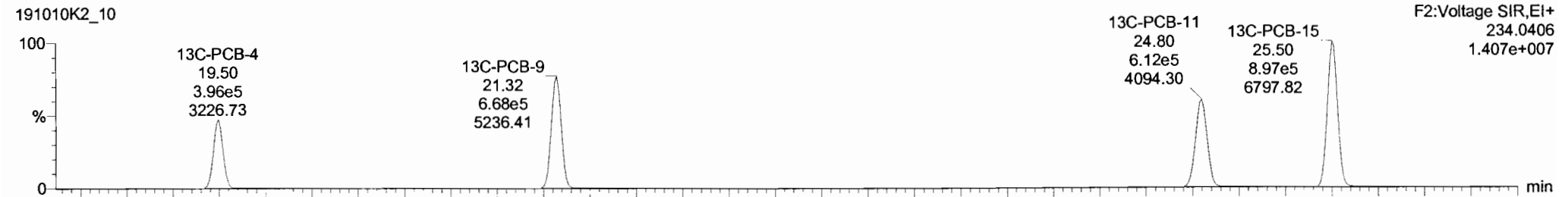
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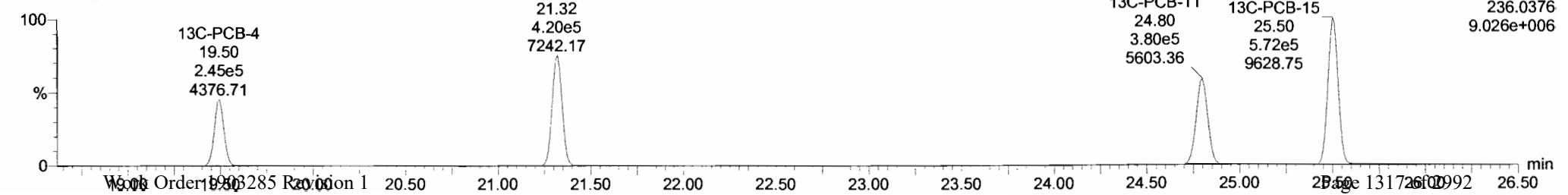
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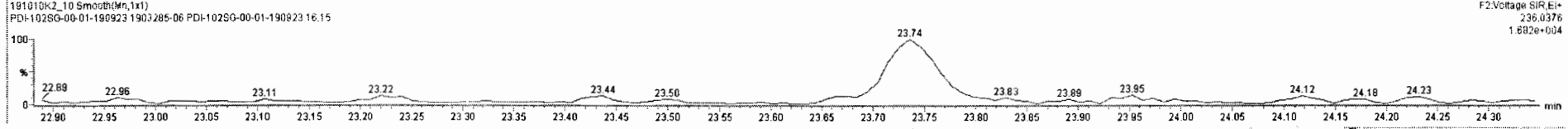
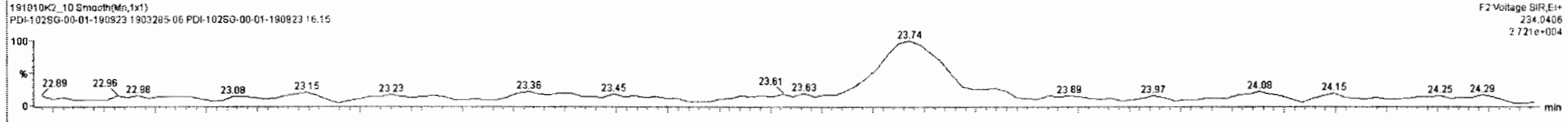
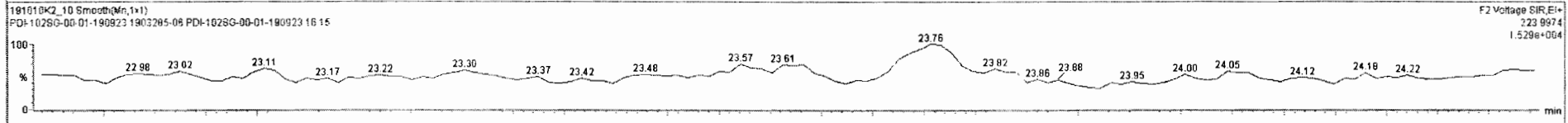
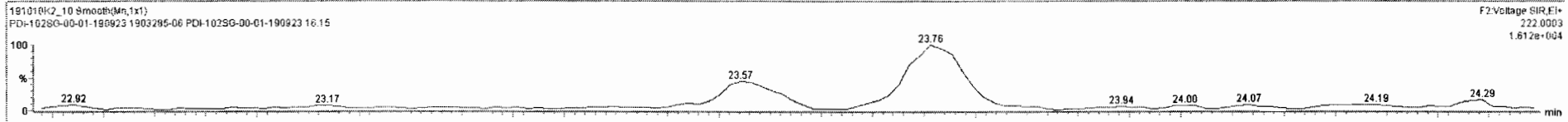
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191010K2_10 - 1903285-06.PDI-102SG-00-01-190923 16:15 - PDI-102SG-00-01-190923

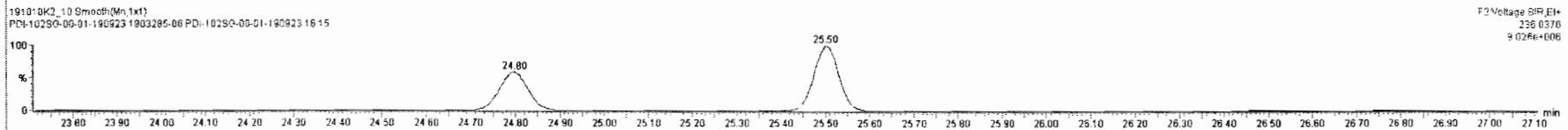
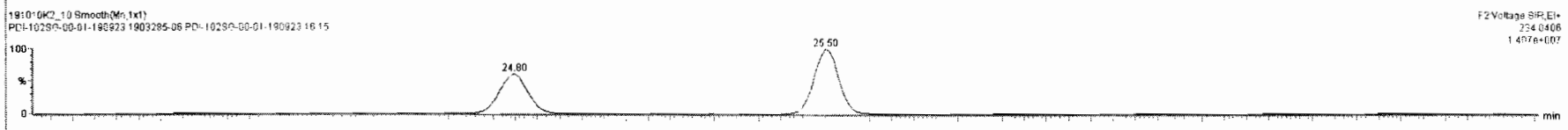
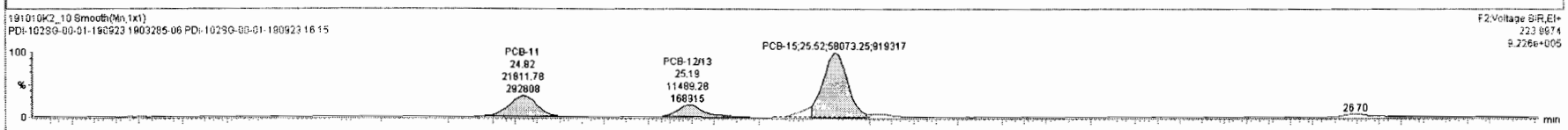
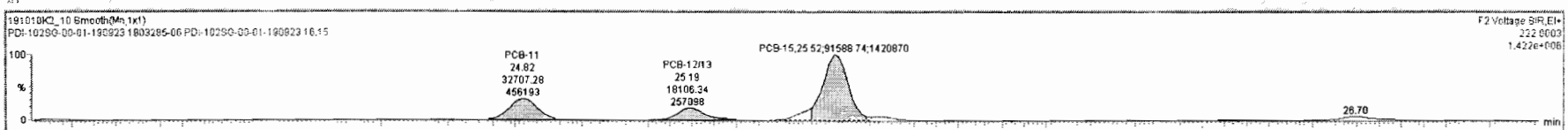
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225	225 Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	649.6		4.00	649.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4545		5.58	4545
228	228 Total Tetra-PCBs				0.9961	6.650	0.00		0.000		NO	16120		16.1	16130
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
4	PCB-470	19.58	19.52	2.682e4	1.689e4	1.560	1.59	NO	80.430	80.430
5	PCB-79	21.38	21.35	1.246e4	8.394e3	1.560	1.48	NO	29.516	29.516
6	PCB-6	22.03	22.03	3.489e4	2.151e4	1.560	1.62	NO	76.635	76.635
7	PCB-5/8	22.44	22.43	1.368e5	8.619e4	1.560	1.59	NO	304.78	304.78
9	PCB-11	24.82	24.82	3.271e4	2.181e4	1.560	1.50	NO	75.398	75.398
10	PCB-12/13	25.25	25.19	1.811e4	1.149e4	1.560	1.58	NO	43.256	43.256
11	PCB-15	25.55	25.52	1.000e5	6.250e4	1.580	1.60	NO	239.56	239.56



#	Name	Resp	RA	nly	RFI	WtAval	Pred RT	RT	Pred R	RRT	RRT Std	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0592	8.650	0.00		0.000		NO	630.6		4.00	830.8
226	226 2nd Function Tri-PCBs				0.9137	8.650	0.00		0.000		NO	2049		1.52	2049
227	227 3rd Function Tri-PCBs				1.0563	8.650	0.00		0.000		NO	4545		5.58	4545
228	228 Total Tetra-PCBs				0.9861	8.650	0.00		0.000		NO	16120		16.1	16130
229	229 3rd Function Penta-PCBs				1.1154	8.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	8.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	8.650	0.00		0.000		NO	3756		6.17	3764

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	4 PCB-4/10	19.58	19.52	2.682e4	1.699e4	1.580	1.59	NO	80.430	80.430
2	5 PCB-7/6	21.36	21.35	1.246e4	8.394e3	1.580	1.48	NO	29.516	29.516
3	6 PCB-8	22.03	22.03	3.489e4	2.151e4	1.580	1.62	NO	76.635	76.635
4	7 PCB-5/8	22.44	22.43	1.366e5	8.619e4	1.580	1.59	NO	304.78	304.78
5	9 PCB-11	24.82	24.82	3.271e4	2.181e4	1.580	1.50	NO	75.398	75.398
6	10 PCB-12/13	25.25	25.19	1.811e4	1.149e4	1.580	1.58	NO	43.256	43.256
7	11 PCB-15	25.55	25.52	9.159e4	5.807e4	1.580	1.58	NO	220.58	220.58

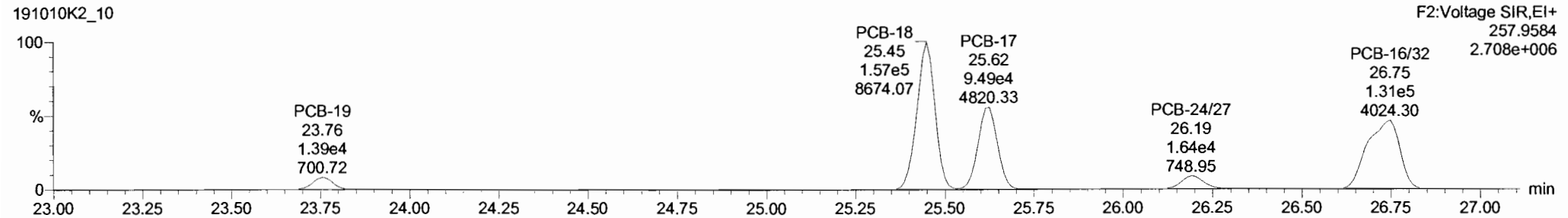
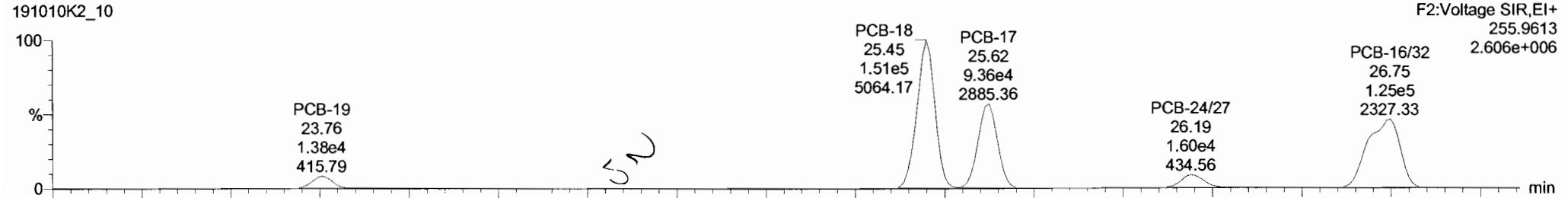


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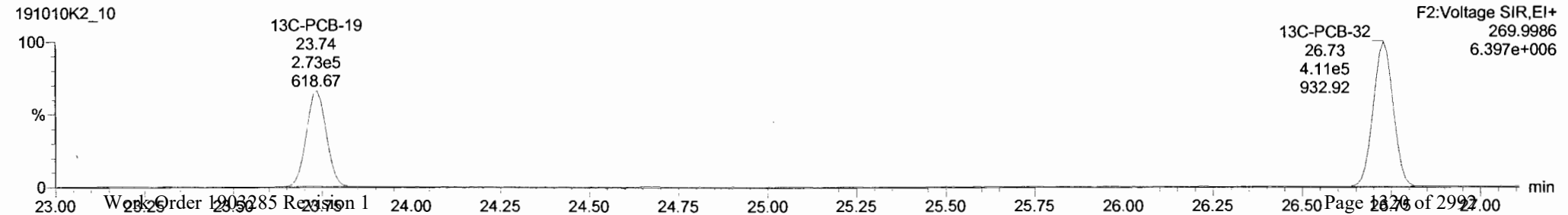
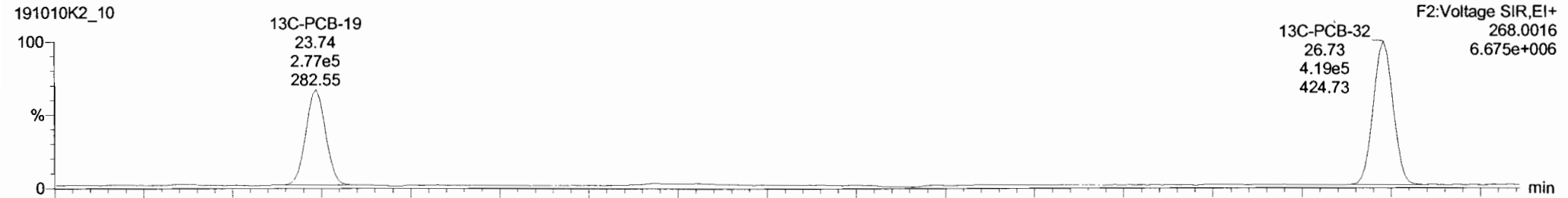
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PCB-19



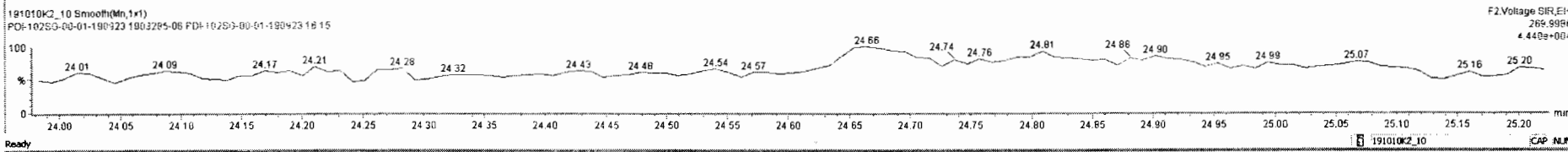
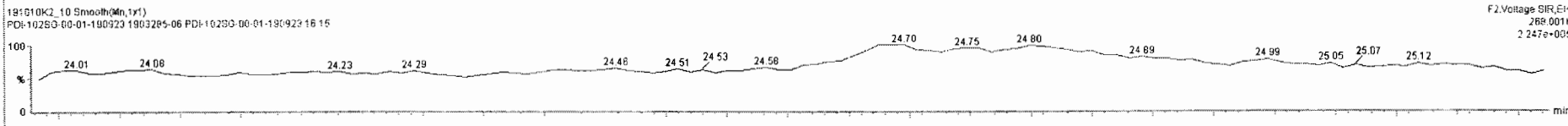
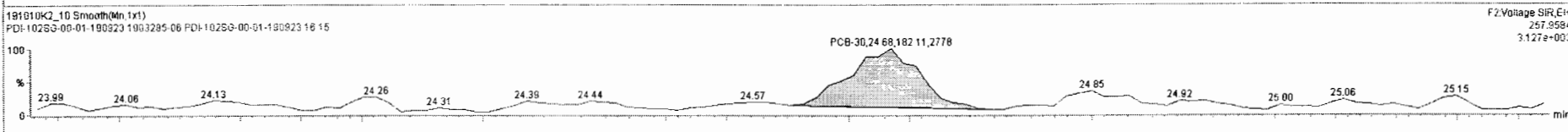
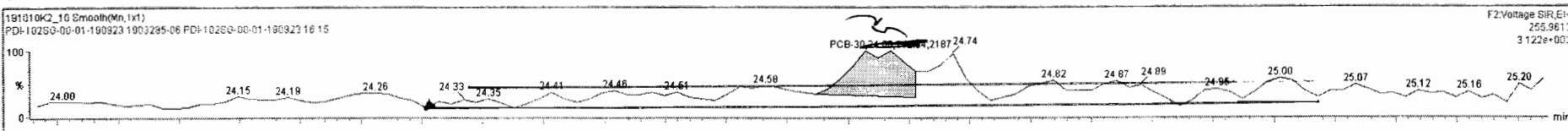
13C-PCB-19



191010K2_10 - 1903285-06 PDI-102SG-00-01-190923 16.15 - PDI-102SG-00-01-190923

#	Name	Resp	RA	nHy	RRF	wt/Aol	Pred RT	RT	Pred R ₁	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9157	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4545		5.58	4545
228	228 Total Tetra-PCBs				0.9861	6.650	0.00		0.000		NO	16120		16.1	16120
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3796		6.17	3764

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nHy	EMPC	Conc.
1	12 PCB-19	23.77	23.76	1.379e4	1.392e4	1.040	0.99	NO	81.155	81.155
2	13 PCB-30	24.66	24.68	1.123e2	1.021e2	1.040	0.62	YES	0.40719	0.00000
3	14 PCB-18	25.45	25.45	1.511e5	1.572e5	1.040	0.96	NO	805.75	805.75
4	15 PCB-17	25.61	25.62	9.361e4	9.494e4	1.040	0.99	NO	512.14	512.14
5	16 PCB-24/27	26.22	26.19	1.597e4	1.639e4	1.040	0.97	NO	64.085	64.085
6	17 PCB-16/32	26.75	26.75	1.252e5	1.307e5	1.040	0.96	NO	584.85	584.85

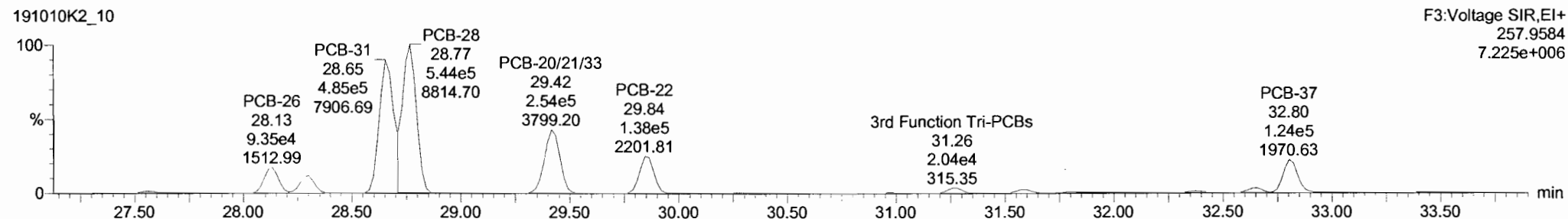
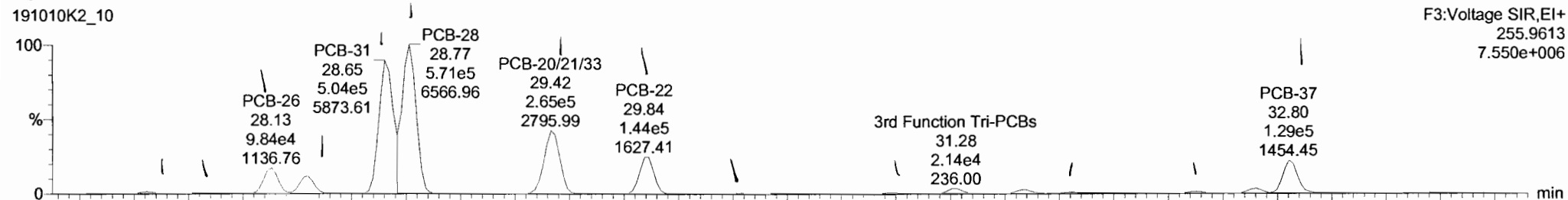


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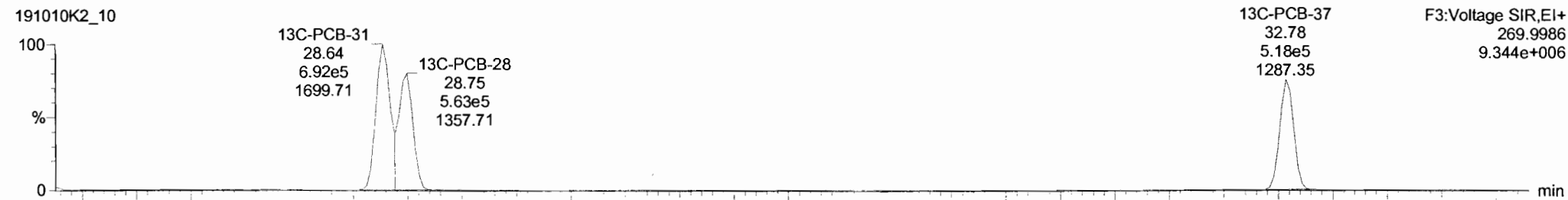
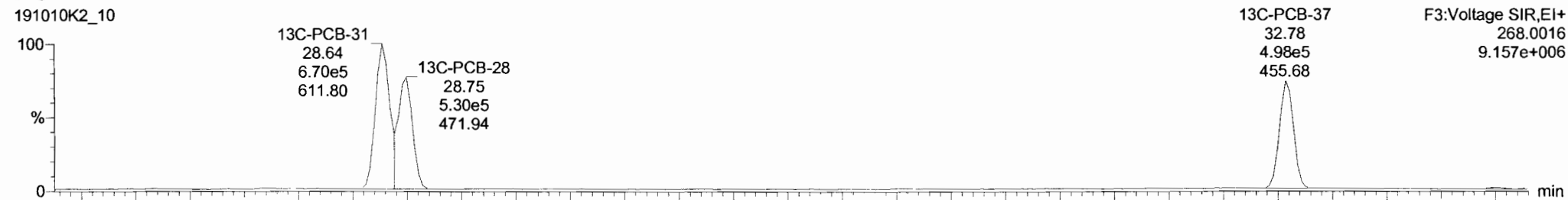
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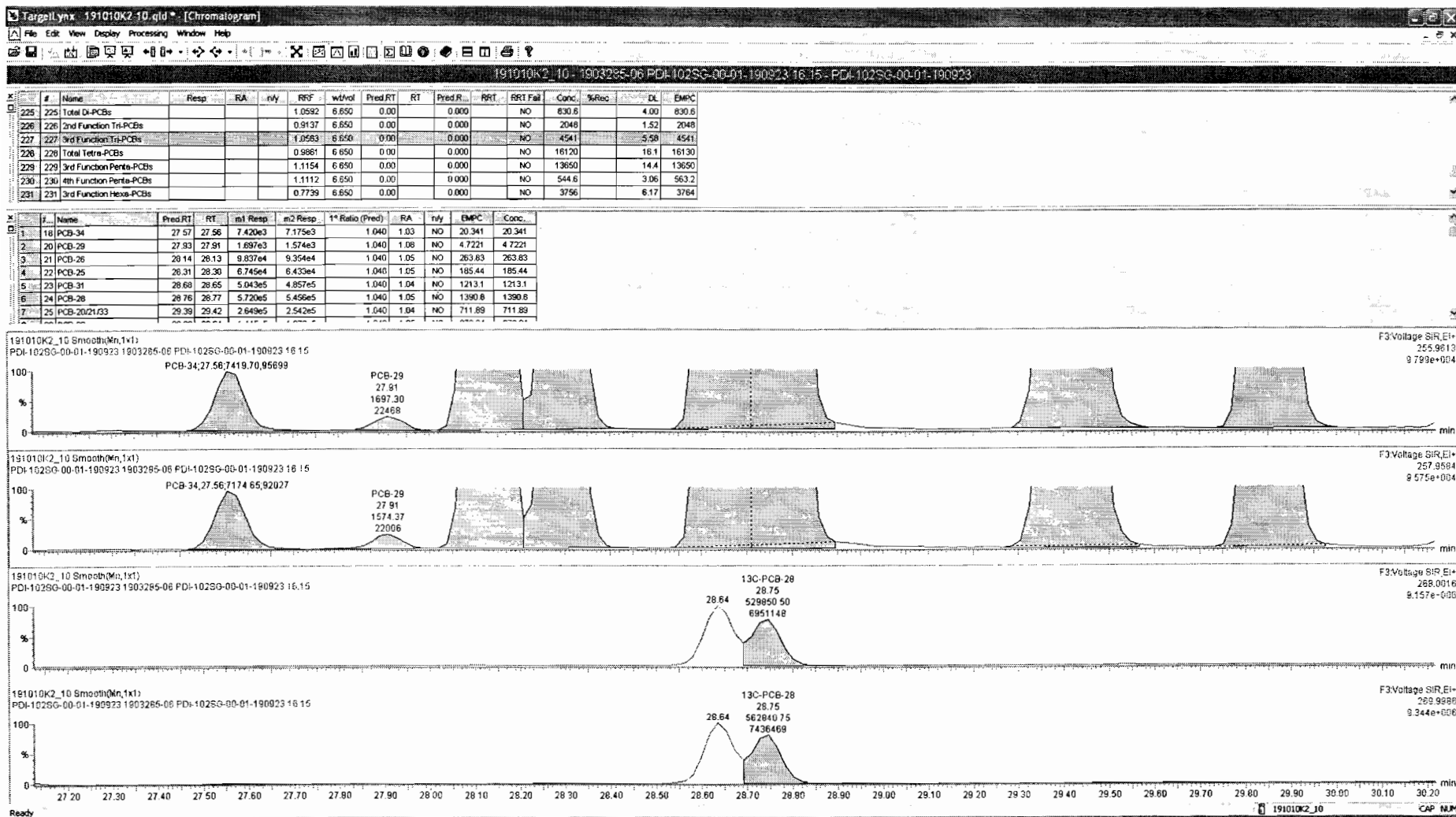
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PCB-34



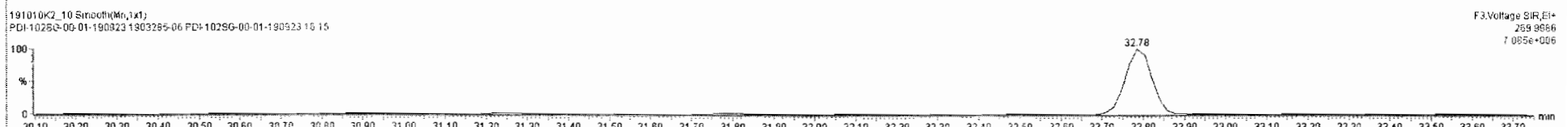
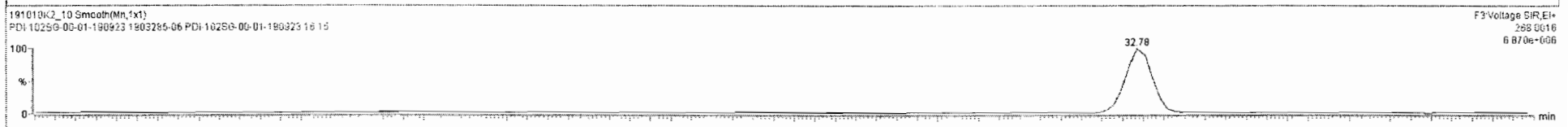
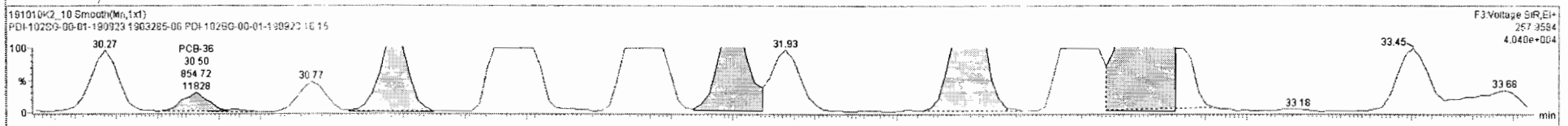
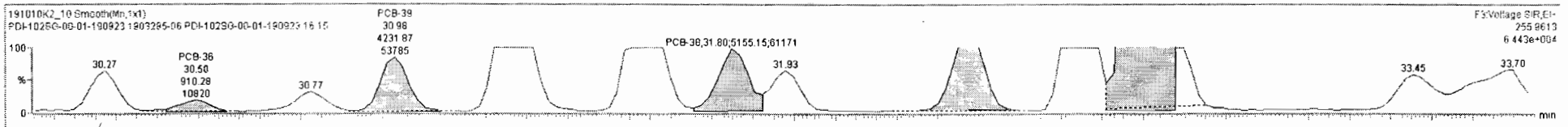
13C-PCB-28





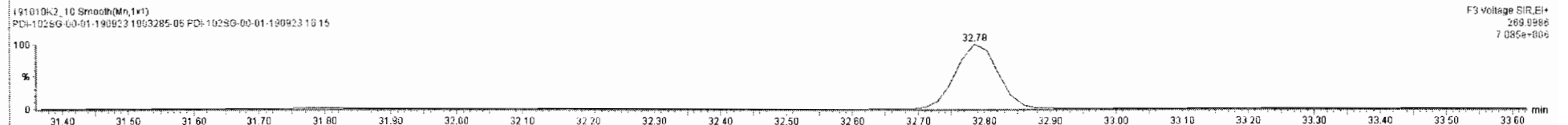
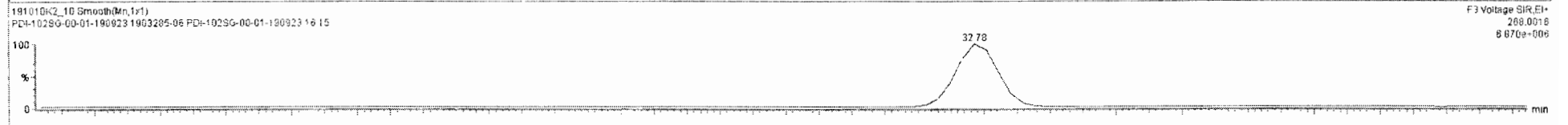
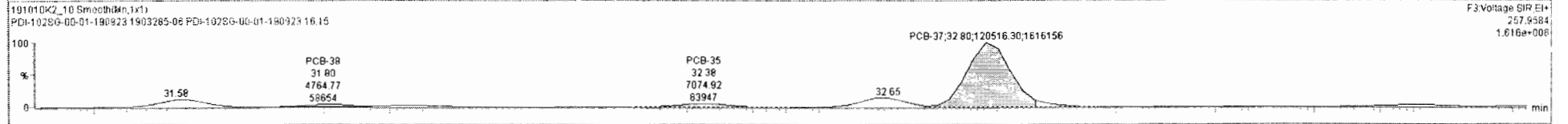
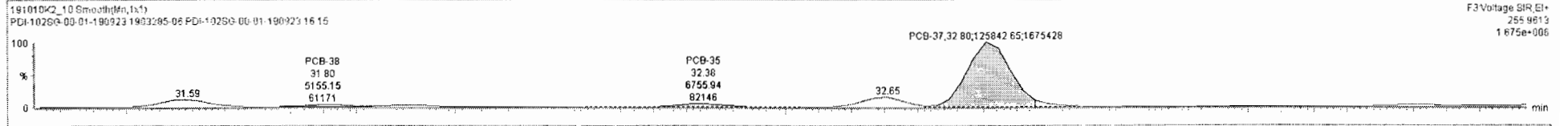
#	Name	Resp	RA	r/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4541		5.58	4541
228	228 Total Tetra-PCBs				0.9061	6.650	0.00		0.000		NO	16120		16.1	16130
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	r/y	EMPC	Conc.
1	18 PCB-34	27.57	27.56	7.420e3	7.175e3	1.040	1.03	NO	20.341	20.341
2	20 PCB-29	27.93	27.91	1.697e3	1.574e3	1.040	1.08	NO	4.7221	4.7221
3	21 PCB-26	28.14	28.13	9.837e4	9.354e4	1.040	1.05	NO	263.83	263.83
4	22 PCB-25	28.31	28.30	6.745e4	6.433e4	1.040	1.05	NO	185.44	185.44
5	23 PCB-31	28.68	28.65	5.043e5	4.857e5	1.040	1.04	NO	1213.1	1213.1
6	24 PCB-28	28.76	28.77	5.720e5	5.456e5	1.040	1.05	NO	1390.8	1390.8
7	25 PCB-20(1/3)	29.39	29.42	2.649e5	2.542e5	1.040	1.04	NO	711.89	711.89



#	Name	Resp	RA	rvy	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0562	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	228 Total Tetra-PCBs				0.9861	6.650	0.00		0.000		NO	16120		16.1	16130
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7738	6.650	0.00		0.000		NO	3756		6.17	3764

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	rvy	EMPC	Conc.
18	PCB-34	27.57	27.56	7.420e3	7.175e3	1.040	1.03	NO	20.341	20.341
20	PCB-29	27.83	27.91	1.697e3	1.574e3	1.040	1.08	NO	4.7221	4.7221
21	PCB-26	28.14	28.13	9.837e4	9.354e4	1.040	1.05	NO	263.83	263.83
22	PCB-25	28.31	28.30	6.745e4	6.433e4	1.040	1.05	NO	185.44	185.44
23	PCB-31	28.68	28.65	5.043e5	4.857e5	1.040	1.04	NO	1213.1	1213.1
24	PCB-28	28.76	28.77	5.720e5	5.456e5	1.040	1.05	NO	1390.8	1390.8
25	PCB 20/21/33	29.38	29.42	2.649e5	2.542e5	1.040	1.04	NO	711.89	711.89



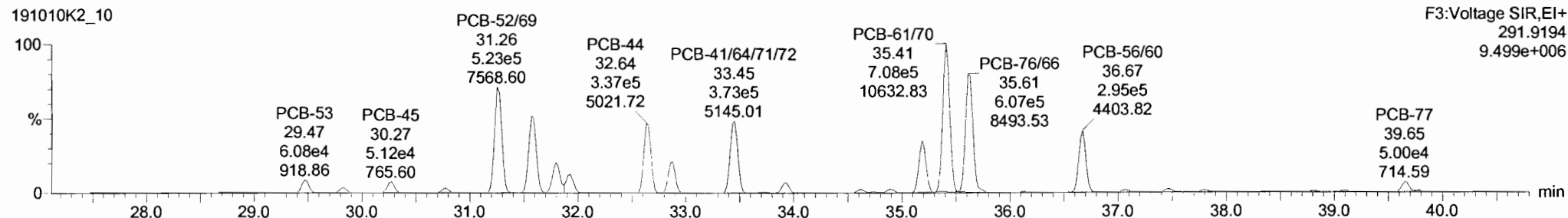
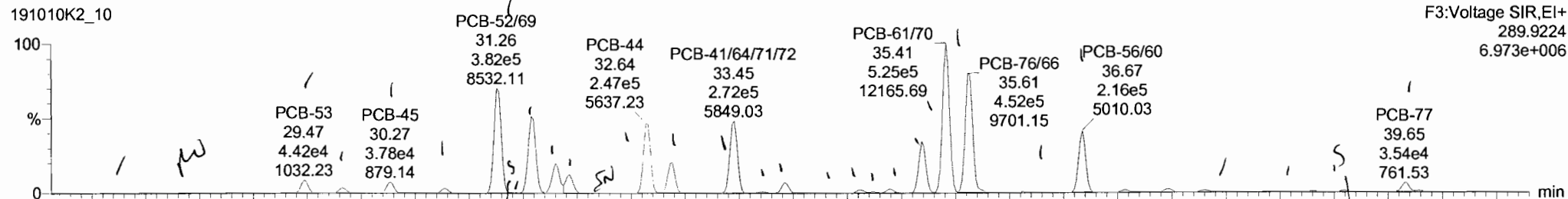
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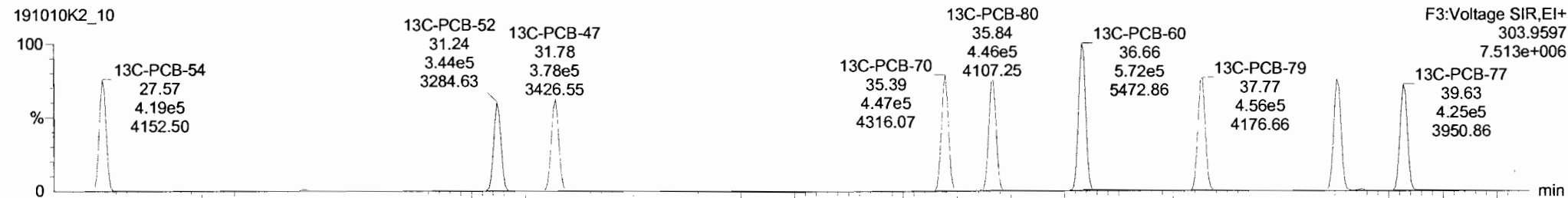
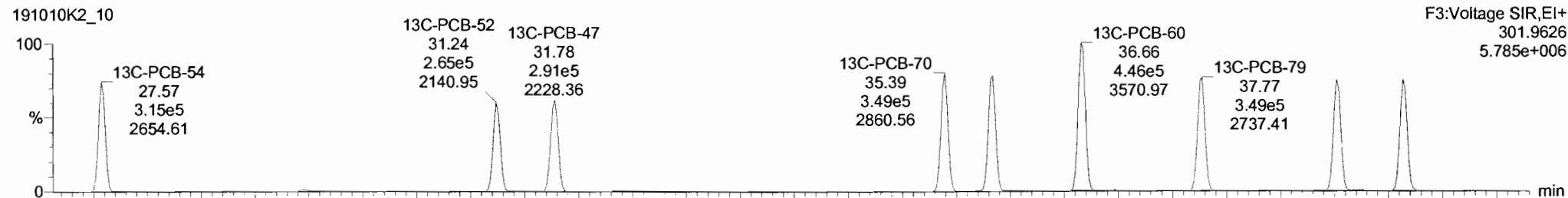
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PCB-54



13C-PCB-54

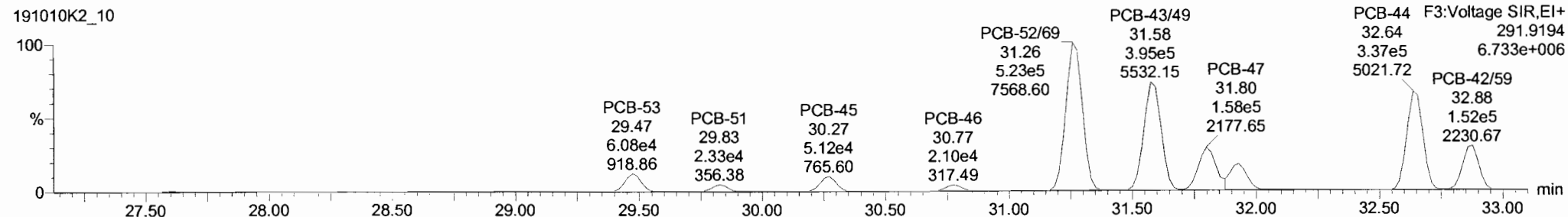
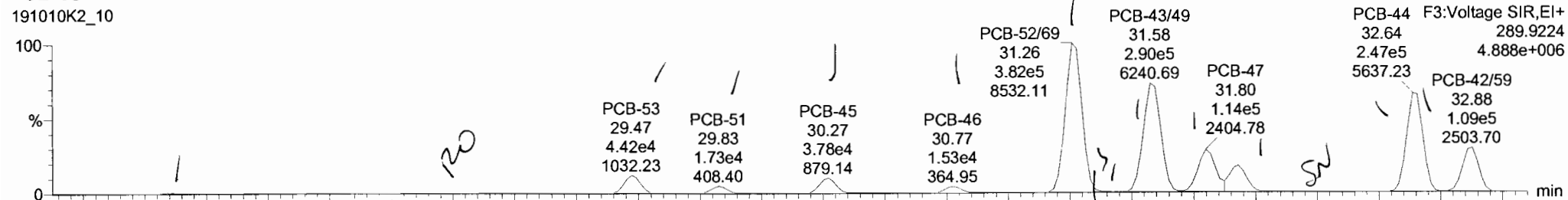


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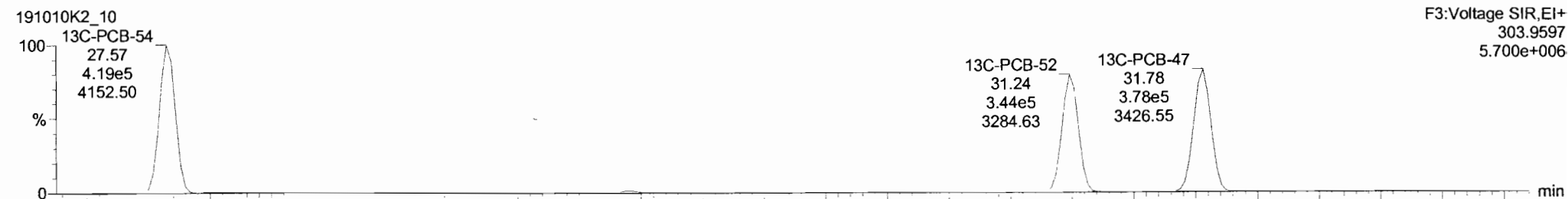
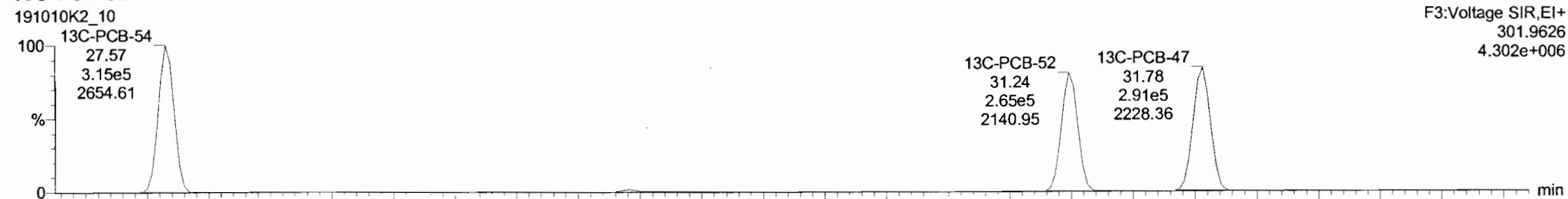
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PCB-50



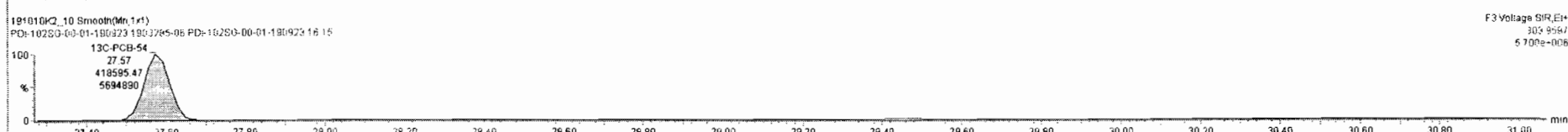
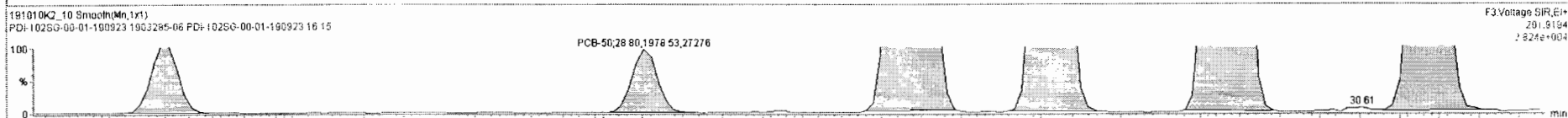
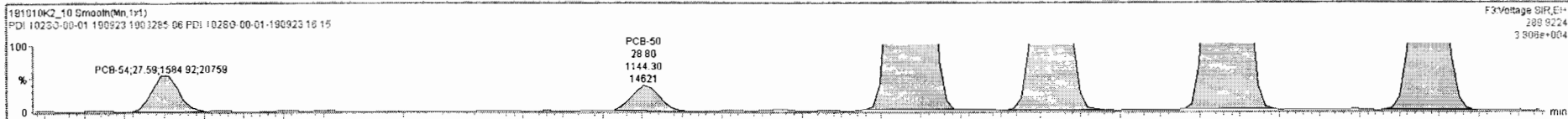
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191010K2_10 - 1903285-06.PDI-1025G-00-01-190323 18:15 - PDI-1025G-00-01-190923

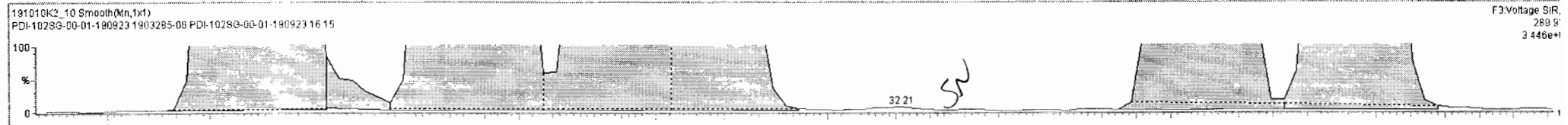
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225	225 Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	228 Total Tetra-PCBs				0.9881	6.650	0.00		0.000		NO	16120		16.1	16130
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.8		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.59	27.59	1.585e3	2.276e3	0.770	0.70	NO	7.9521	7.9521
2	33 PCB-50	28.79	28.80	1.144e3	1.979e3	0.770	0.58	YES	6.9043	0.00000
3	34 PCB-53	29.48	29.47	4.420e4	6.094e4	0.770	0.73	NO	271.64	271.64
4	35 PCB-51	29.82	29.83	1.730e4	2.328e4	0.770	0.74	NO	97.916	97.916
5	36 PCB-45	30.28	30.27	3.784e4	5.123e4	0.770	0.74	NO	272.28	272.28
6	37 PCB-46	30.77	30.77	1.535e4	2.099e4	0.770	0.73	NO	119.11	119.11
7	38 PCB-52/69	31.26	31.26	3.822e5	5.228e5	0.770	0.73	NO	2047.1	2047.1

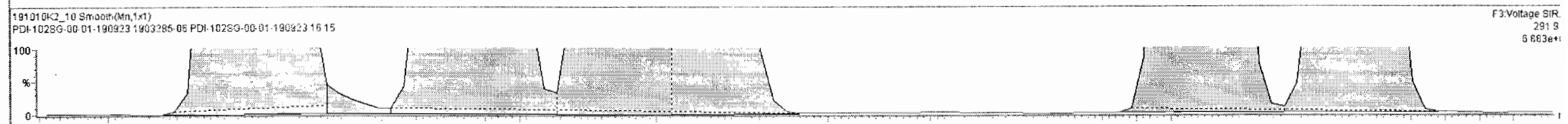


#	Name	Resp	RA	rvj	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	830.6		4.00	630.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	228 Total Tetra-PCBs				0.8961	6.650	0.00		0.000		NO	16140		16.1	16150
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764

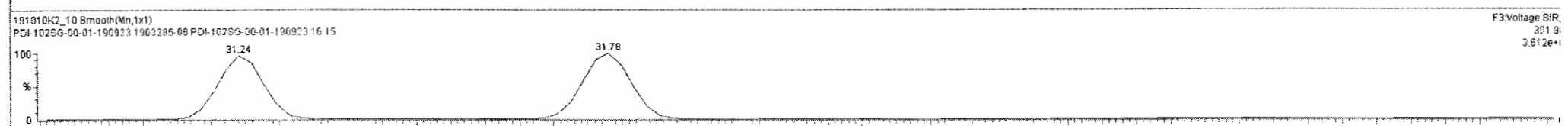
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvj	EMPC	Conc.
1	32 PCB-54	27.59	27.59	1.585e3	2.276e3	0.770	0.70	NO	7.9521	7.9521
2	33 PCB-50	26.79	26.80	1.144e3	1.979e3	0.770	0.59	YES	6.9043	0.00000
3	34 PCB-53	29.48	29.47	4.420e4	6.084e4	0.770	0.73	NO	271.64	271.64
4	35 PCB-51	29.82	29.83	1.730e4	2.328e4	0.770	0.74	NO	97.916	97.916
5	36 PCB-45	30.26	30.27	3.784e4	5.123e4	0.770	0.74	NO	272.28	272.28
6	37 PCB-46	30.77	30.77	1.535e4	2.099e4	0.770	0.73	NO	119.11	119.11
7	38 PCB-52,69	31.26	31.26	3.810e5	5.237e5	0.770	0.73	NO	2046.5	2046.5



F3:Voltage SIR,
289.9
3.446e+1



F3:Voltage SIR,
291.9
6.683e+1



F3:Voltage SIR,
301.9
3.612e+1



F3:Voltage SIR,
303.9
4.703e+1

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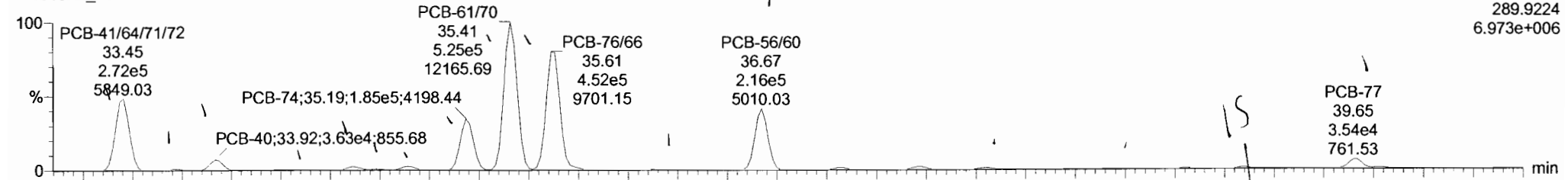
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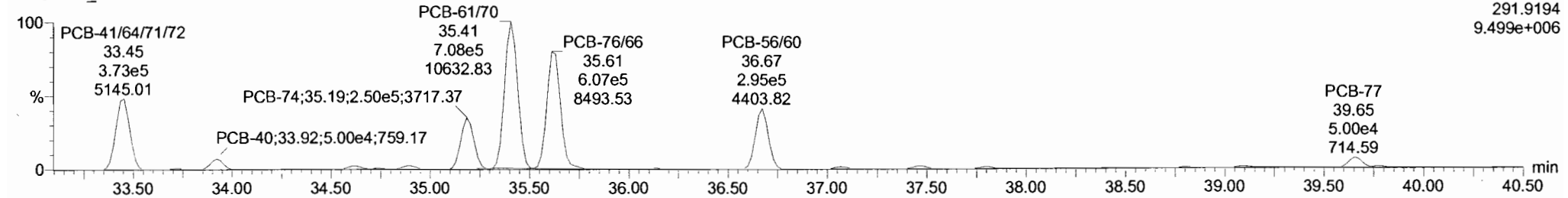
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191010K2_10

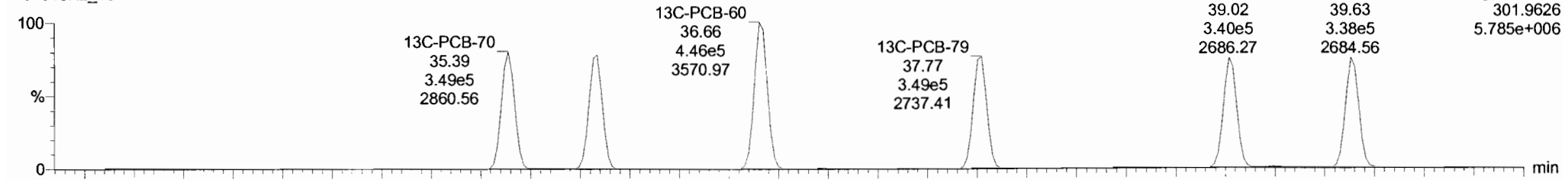


191010K2_10

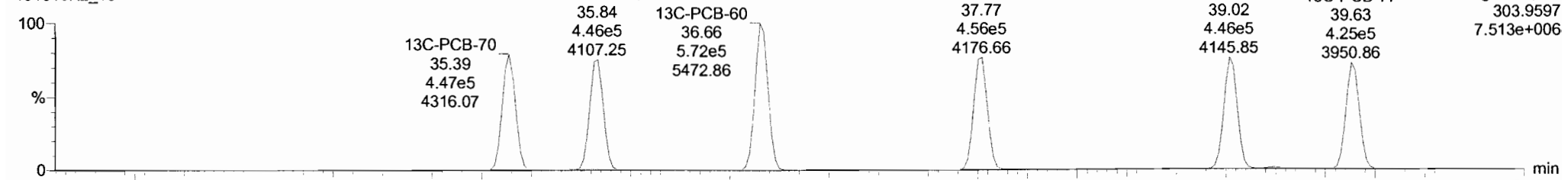


13C-PCB-60

191010K2_10

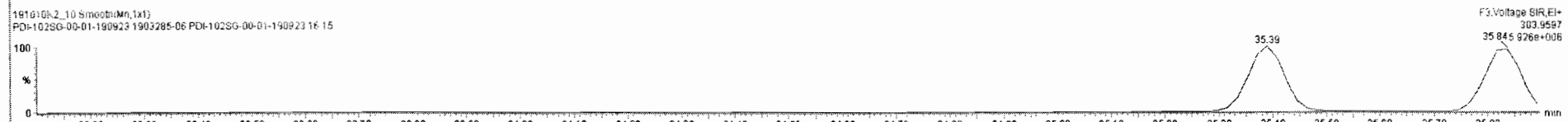
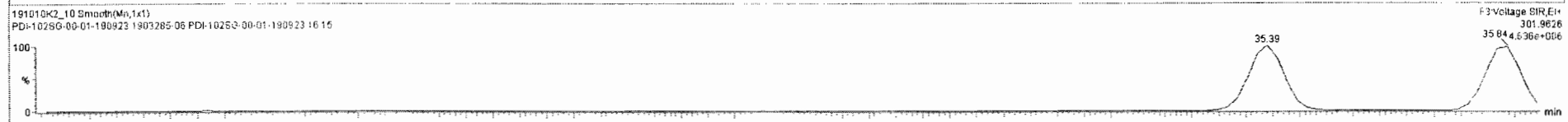
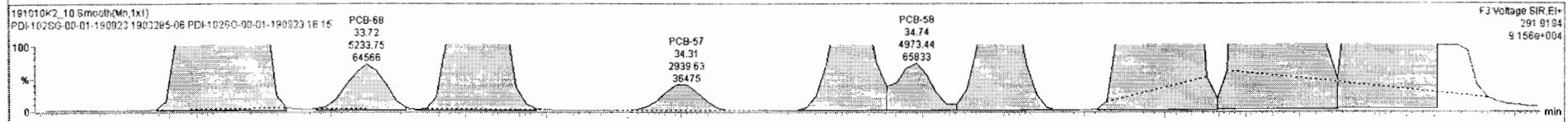
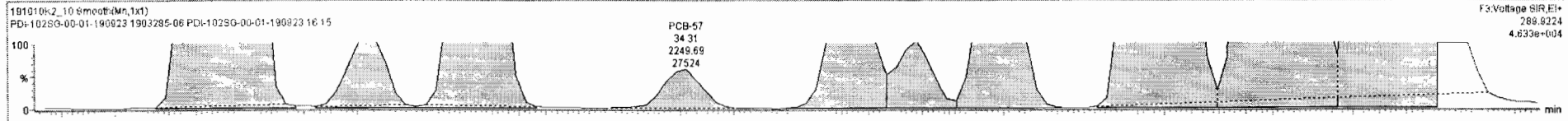


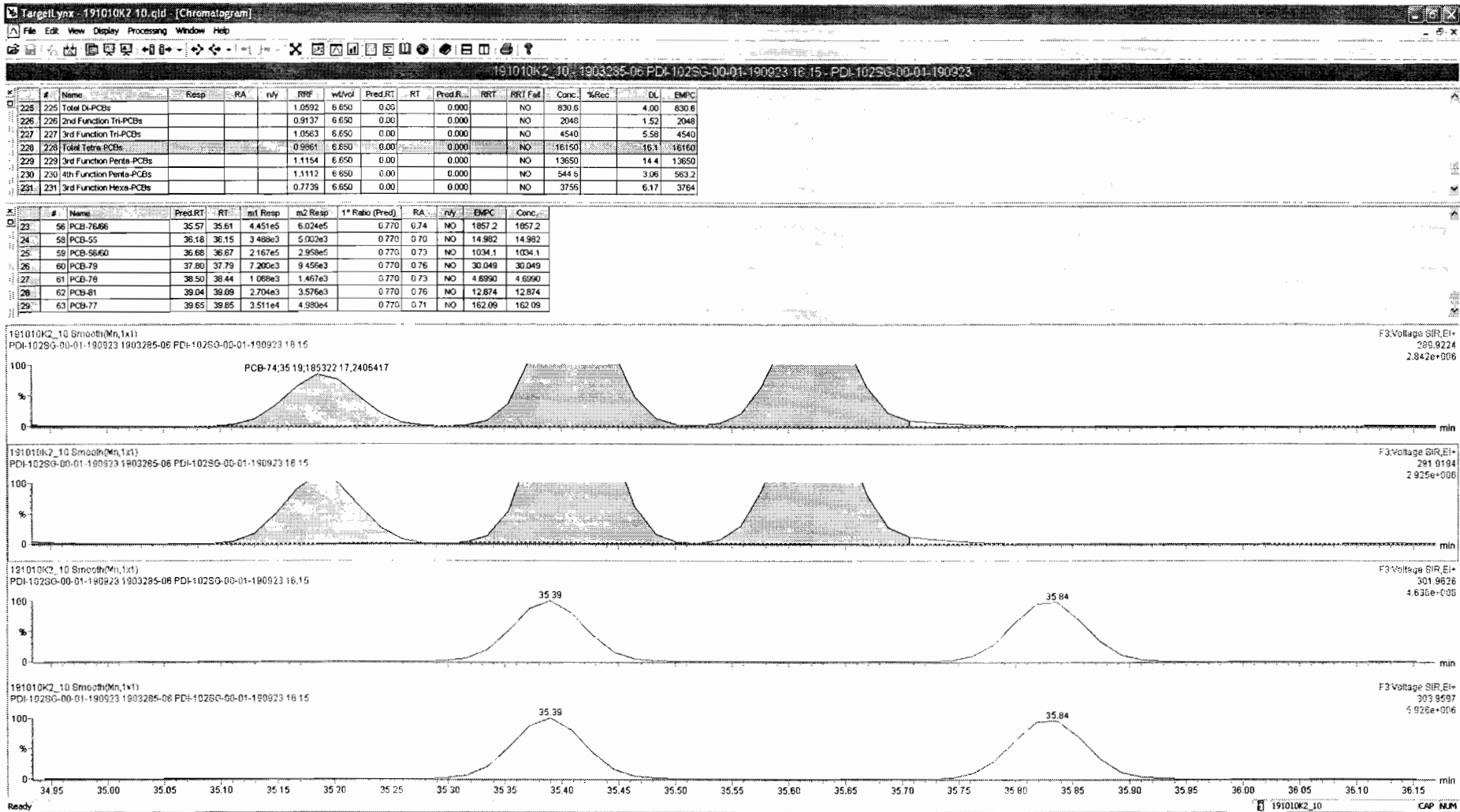
191010K2_10



#	Name	Resp	RA	n/y	RRF	wtAvcl	PredRT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	228 Total Tetra-PCBs				0.9861	6.650	0.00		0.000		NO	16150		16.1	16160
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764

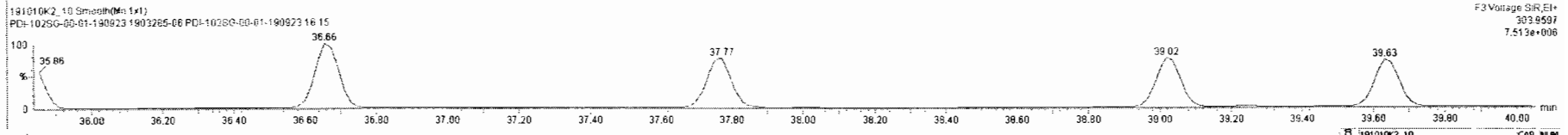
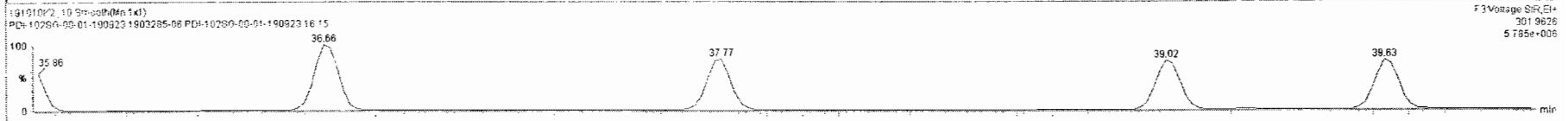
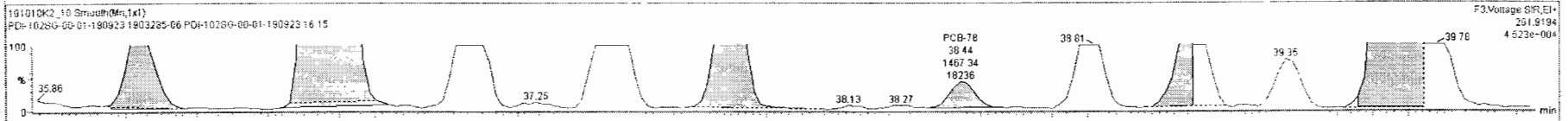
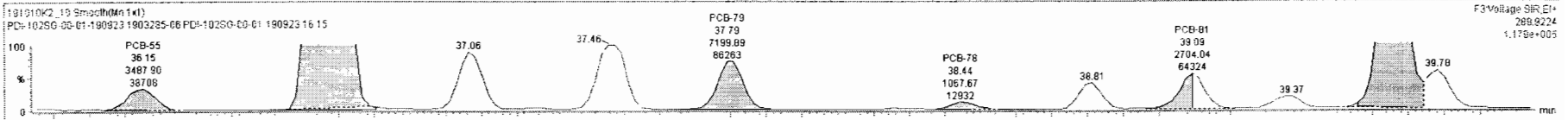
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23	56 PCB-7666	35.57	35.61	4.451e5	6.024e5	0.770	0.74	NO	1857.2	1857.2
24	58 PCB-55	36.18	36.15	3.489e3	5.002e3	0.770	0.70	NO	14.982	14.982
25	59 PCB-5660	36.68	36.67	2.167e5	2.958e5	0.770	0.73	NO	1034.1	1034.1
26	60 PCB-79	37.80	37.79	7.200e3	9.456e3	0.770	0.76	NO	30.049	30.049
27	61 PCB-78	38.50	38.44	1.069e3	1.467e3	0.770	0.73	NO	4.6990	4.6990
28	62 PCB-81	39.04	39.09	2.704e3	3.578e3	0.770	0.76	NO	12.874	12.874
29	63 PCB-77	39.65	39.65	3.511e4	4.980e4	0.770	0.71	NO	162.09	162.09





#	Name	Resp	RA	n/y	RRF	wtAct	Pred RT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
225	Total Di-PCBs				1.0592	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2046		1.52	2046
227	3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	Total Tetra-PCBs				0.8881	6.650	0.00		0.000		NO	16150		16.1	16150
229	3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	514.6		3.06	553.2
231	3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764

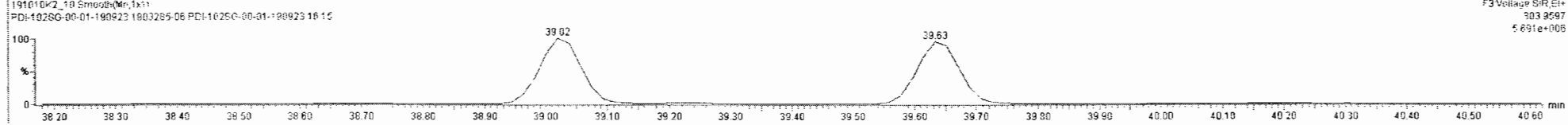
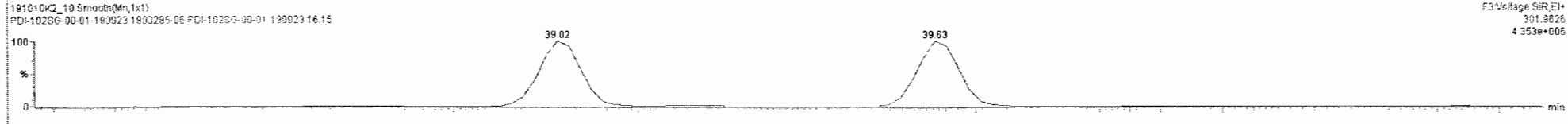
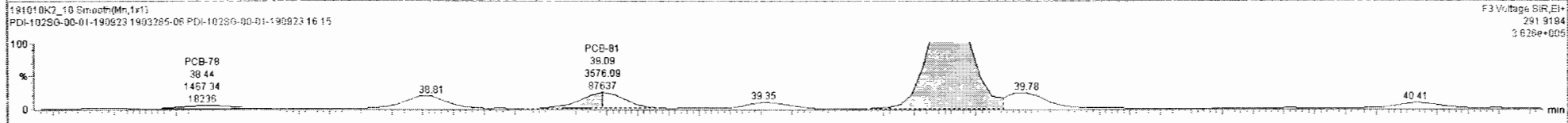
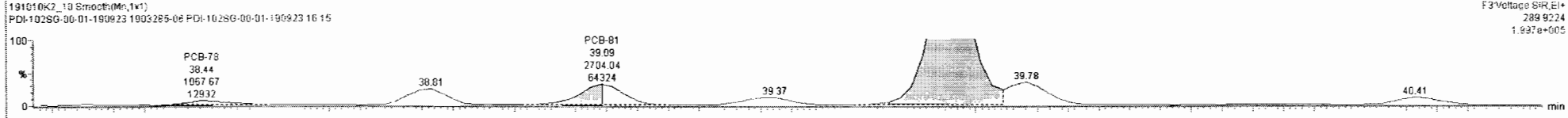
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
23	PCB-7666	35.57	35.61	4.451e5	6.024e5	0.770	0.74	NO	1857.2	1857.2
24	PCB-55	36.18	36.15	3.498e3	5.002e3	0.770	0.70	NO	14.982	14.982
25	PCB-5660	36.68	36.67	2.167e5	2.958e5	0.770	0.73	NO	1034.1	1034.1
26	PCB-78	37.80	37.79	7.200e3	9.406e3	0.770	0.76	NO	30.049	30.049
27	PCB-78	38.50	38.44	1.068e3	1.467e3	0.770	0.73	NO	4.6990	4.6990
28	PCB-81	39.04	39.09	2.704e3	3.576e3	0.770	0.76	NO	12.874	12.874
29	PCB-77	39.65	39.65	3.511e4	4.980e4	0.770	0.71	NO	162.09	162.09



191010K2_10 - 1903285-06 PDI-102SG-00-01-190923 16:15 - PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wMol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0592	6.550	0.00		0.000		NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9137	6.550	0.00		0.000		NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	228 Total Tetra-PCBs				0.9861	6.950	0.00		0.000		NO	16150		16.1	16160
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13650		14.4	13650
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.08	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3796		6.17	3764

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
23	56 PCB-7666	35.57	35.61	4.451e5	6.024e5	0.770	0.74	NO	1857.2	1857.2
24	58 PCB-55	36.18	36.15	3.489e3	5.002e3	0.770	0.70	NO	14.982	14.982
25	59 PCB-5660	36.68	36.67	2.167e5	2.598e5	0.770	0.73	NO	1034.1	1034.1
26	60 PCB-79	37.80	37.79	7.200e3	9.456e3	0.770	0.76	NO	30.049	30.049
27	61 PCB-78	38.50	38.44	1.098e3	1.467e3	0.770	0.73	NO	4.6990	4.6990
28	62 PCB-81	39.04	39.09	2.704e3	3.576e3	0.770	0.76	NO	12.874	12.874
29	63 PCB-77	39.65	39.65	3.511e4	4.990e4	0.770	0.71	NO	162.09	162.09



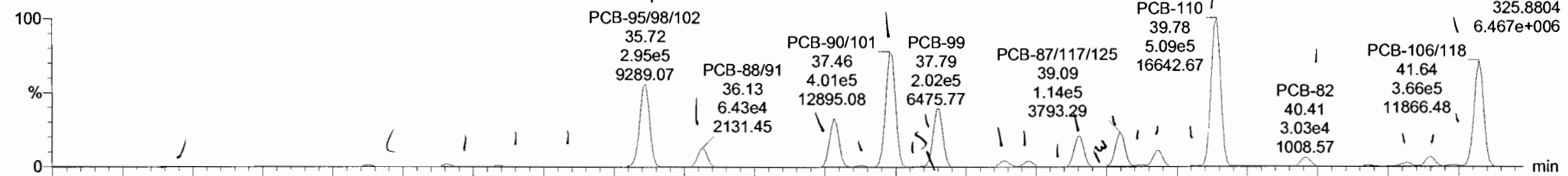
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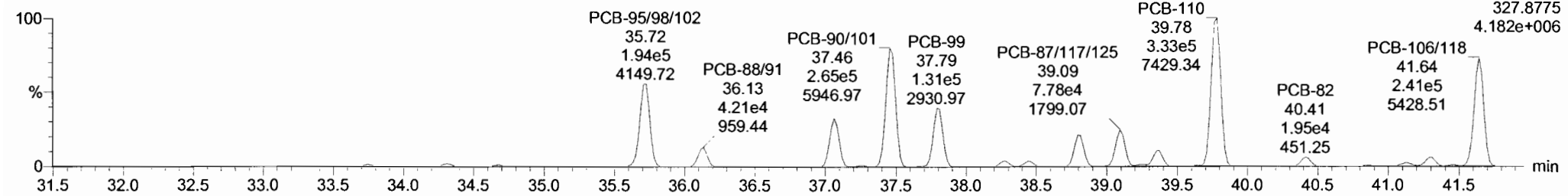
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191010K2_10

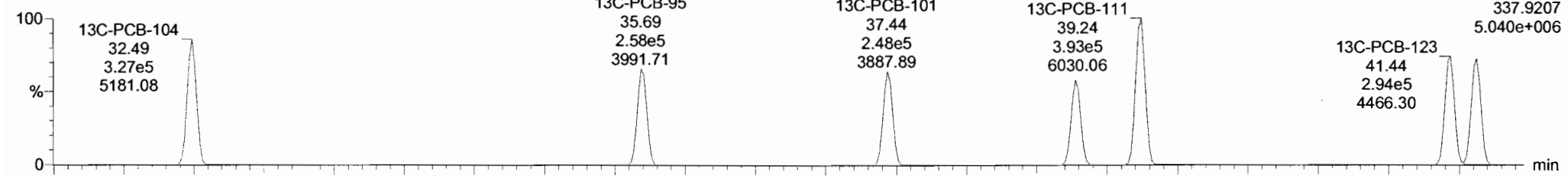


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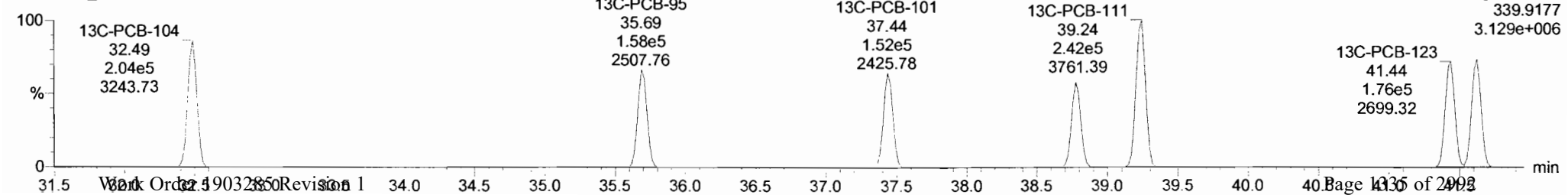


13C-PCB-104

191010K2_10



191010K2_10



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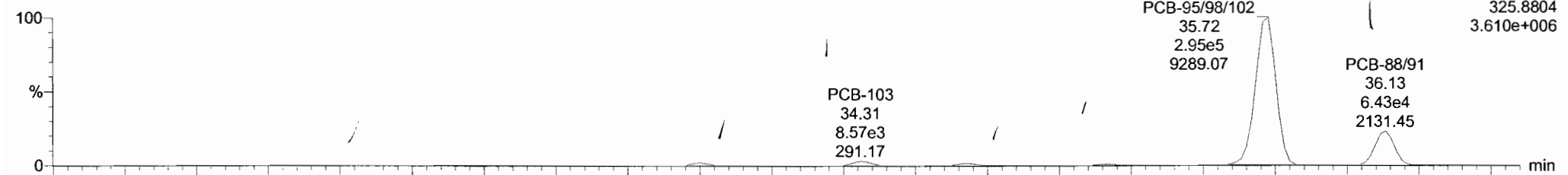
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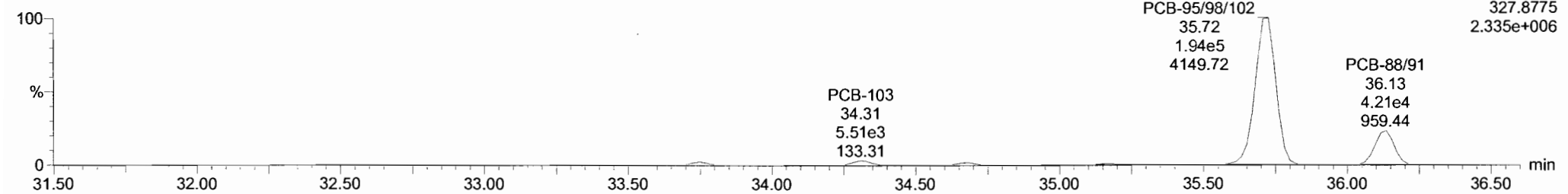
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191010K2_10

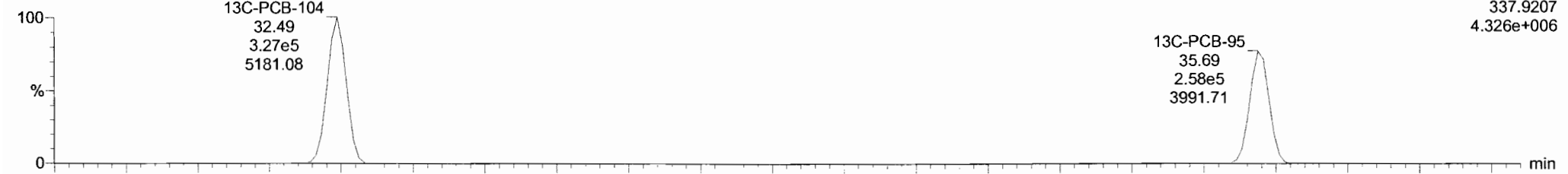


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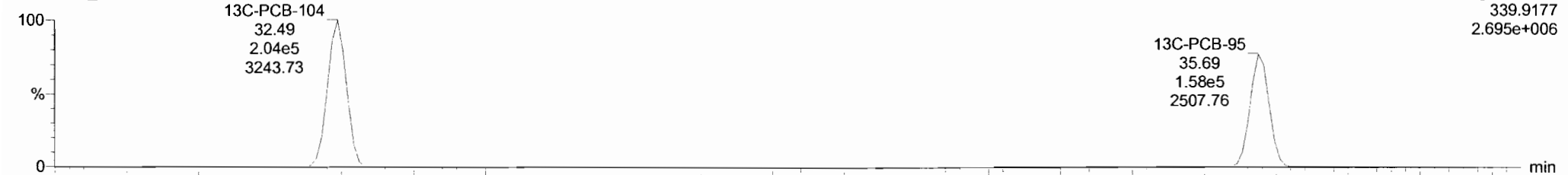


13C-PCB-95

191010K2_10



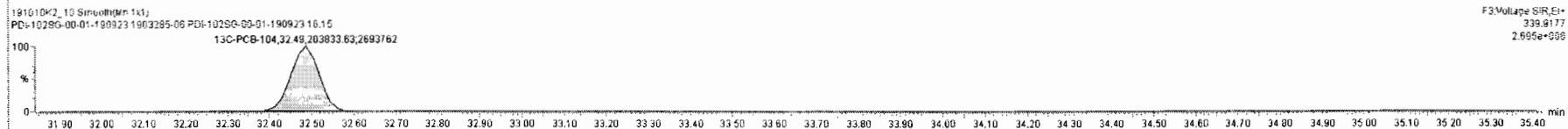
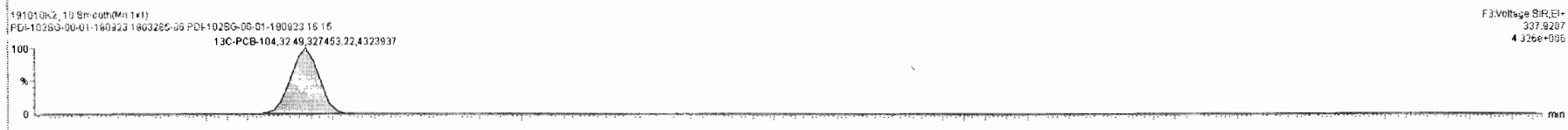
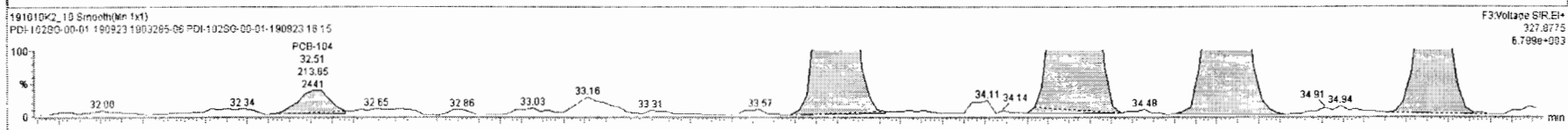
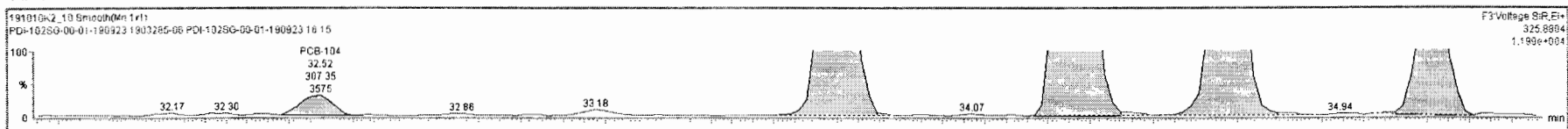
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191010K2_10-1903285-06 PDI-102SG-00-01-190923 16:15 - PDI-102SG-00-01-190923

#	Name	Resp	RA	rvj	RPF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fld	Conc.	%Rec	DL	EMPC
225	Total Di-PCBs				1.0532	6.650	0.00		0.000		NO	830.6		4.00	830.6
226	2nd Function Tri-PCBs				0.9137	6.650	0.00		0.000		NO	2048		1.52	2048
227	3rd Function Tri-PCBs				1.0563	6.650	0.00		0.000		NO	4540		5.58	4540
228	Total Tetra-PCBs				0.9861	6.650	0.00		0.000		NO	16150		16.1	16180
229	3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13630		14.4	13690
230	4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.5		3.06	563.2
231	3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3754

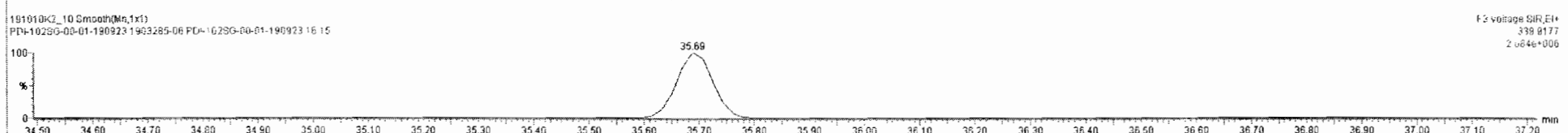
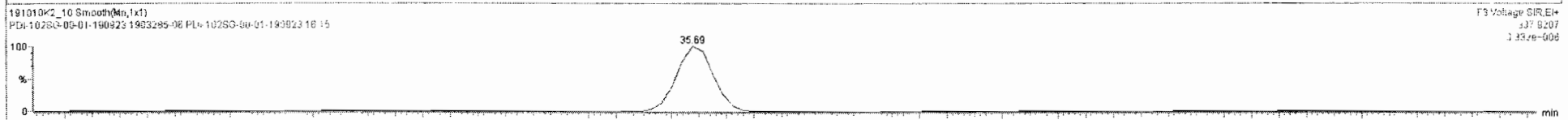
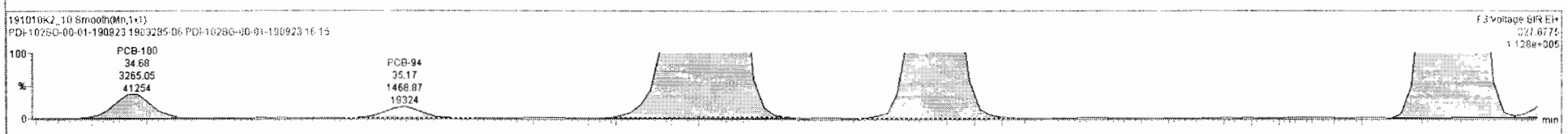
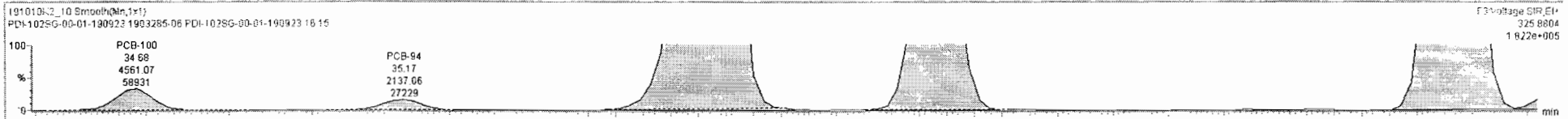
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvj	EMPC	Conc.
1	64 PCB-104	32.51	32.52	3.074e3	2.136e2	1.560	1.44	NO	1.4833	1.4833
2	65 PCB-96	33.80	33.75	5.451e3	3.613e3	1.560	1.51	NO	25.764	25.764
3	66 PCB-103	34.37	34.31	8.588e3	5.596e3	1.560	1.53	NO	51.742	51.742
4	67 PCB-100	34.74	34.68	4.561e3	3.265e3	1.560	1.49	NO	28.486	28.486
5	68 PCB-94	35.17	35.17	2.137e3	1.469e3	1.560	1.45	NO	16.856	16.856
6	69 PCB-95/98/102	35.64	35.72	2.960e5	1.943e5	1.560	1.52	NO	1749.2	1749.2
7	71 PCB-89/91	36.12	36.13	6.481e4	4.205e4	1.560	1.54	NO	434.32	434.32



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#	Name	Resp	RA	nY	RRF	wfwi	Pred RT	RT	Pred R	RRY	RRT-Fail	Conc.	%Rec	DL	EMPC
225	225 Total Di-PCBs				1.0552	6.650	0.00	0.000			NO	830.6		4.00	830.6
226	226 2nd Function Tri-PCBs				0.9137	6.650	0.00	0.000			NO	2048		1.52	2048
227	227 3rd Function Tri-PCBs				1.0563	6.650	0.00	0.000			NO	4540		5.56	4540
228	228 Total Tetra-PCBs				0.9861	6.650	0.00	0.000			NO	16150		16.1	16160
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00	0.000			NO	13660		14.4	13660
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00	0.000			NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00	0.000			NO	3756		6.17	3764

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nY	EMPC	Conc.
1	64 PCB-104	32.51	32.52	3.074e2	2.139e2	1.560	1.44	NO	1.4833	1.4833
2	65 PCB-96	33.80	33.75	5.451e3	3.613e3	1.560	1.51	NO	25.764	25.764
3	66 PCB-103	34.37	34.31	8.586e3	5.589e3	1.560	1.53	NO	51.742	51.742
4	67 PCB-100	34.74	34.68	4.561e3	3.265e3	1.560	1.40	NO	28.486	28.486
5	68 PCB-94	35.17	35.17	2.137e3	1.469e3	1.560	1.45	NO	16.856	16.856
6	69 PCB-9508/102	35.64	35.72	2.960e5	1.949e5	1.560	1.52	NO	1749.2	1749.2
7	71 PCB-8861	36.12	36.13	6.481e4	4.205e4	1.560	1.54	NO	434.32	434.32



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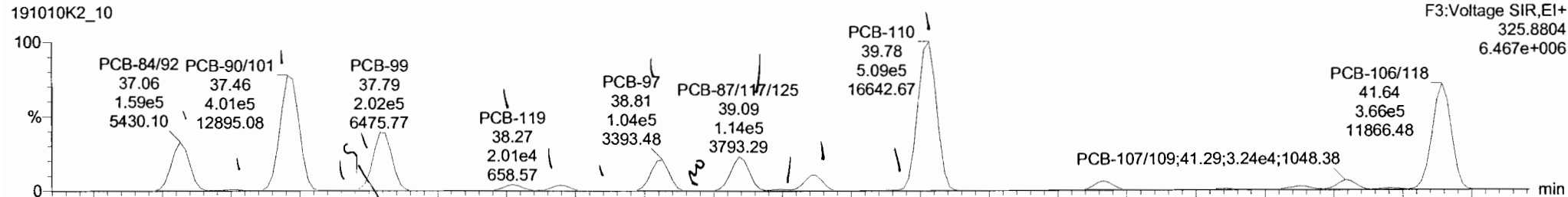
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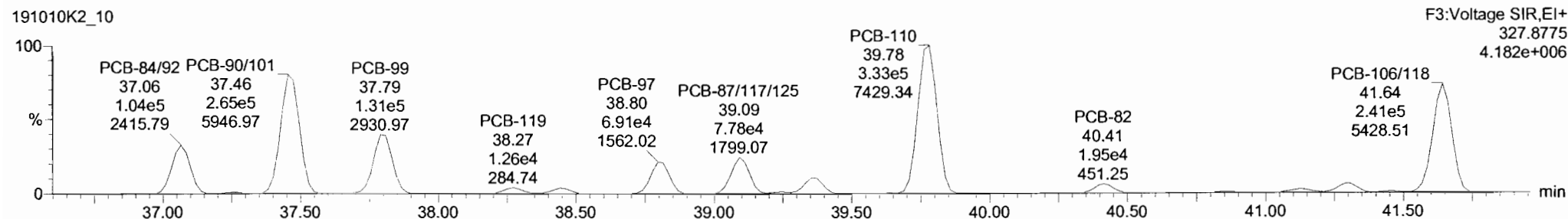
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191010K2_10

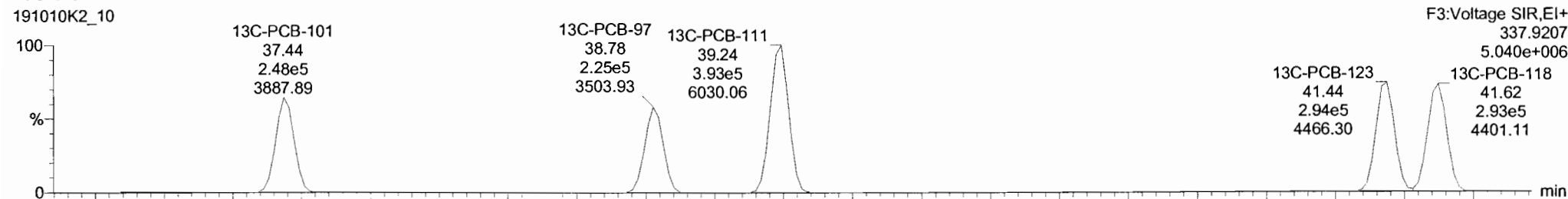


191010K2_10

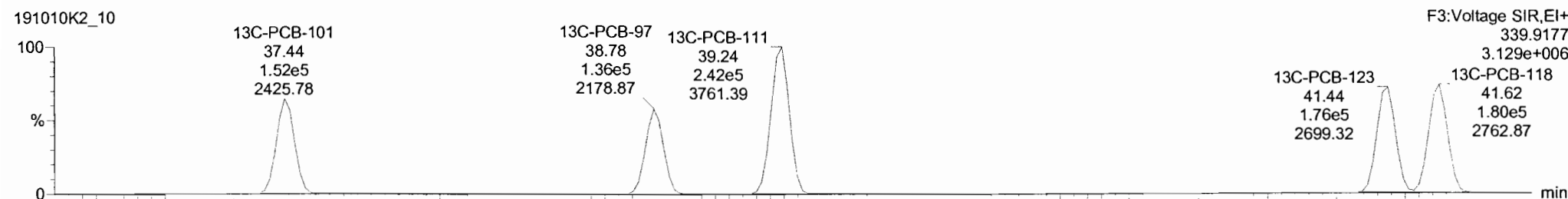


13C-PCB-111

191010K2_10

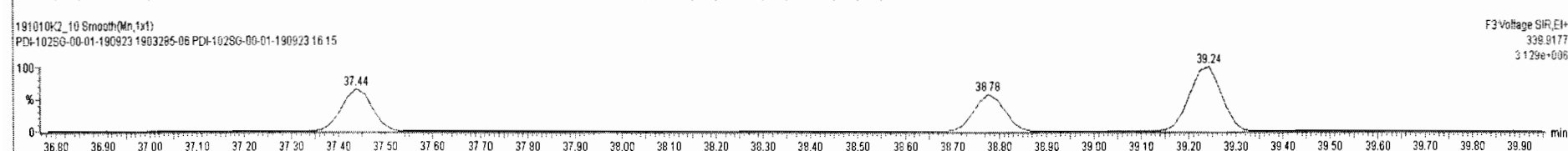
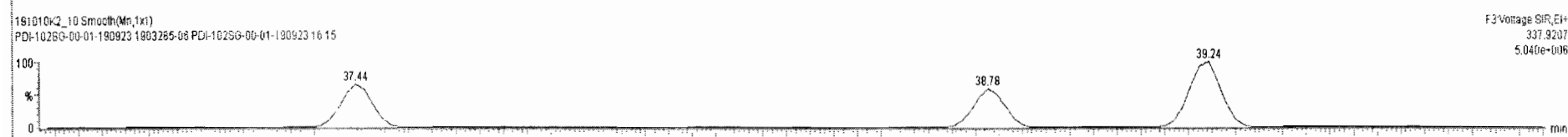
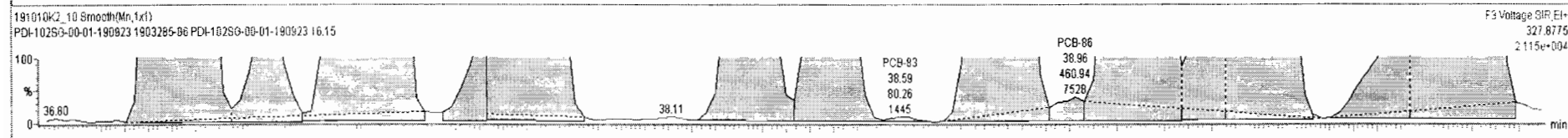
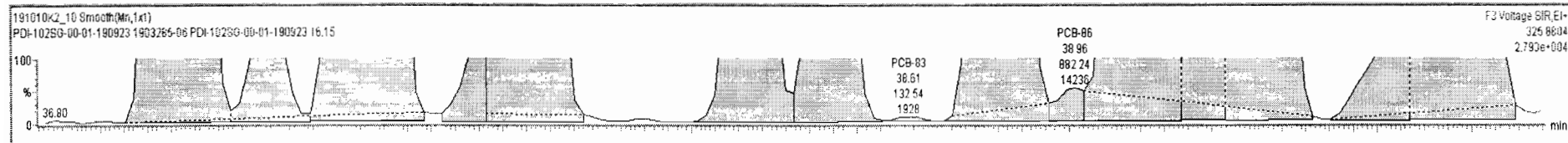


191010K2_10



#	Name	Resp	RA	n/y	RFF	wtAve	Pred.RT	RT	Pred.R	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7071		12.9	7080
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4
238	238 Total PCBs														
239	239 Total Mono-Isotopes														

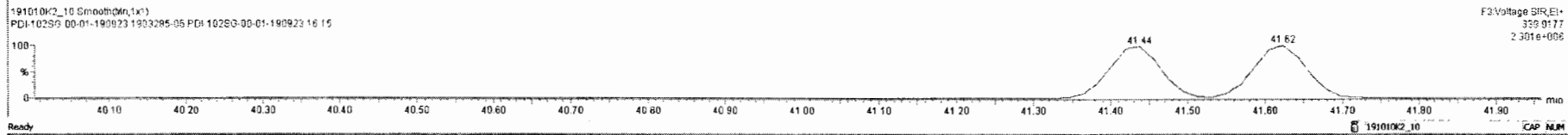
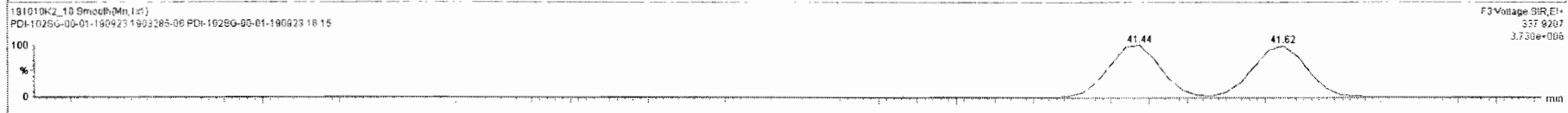
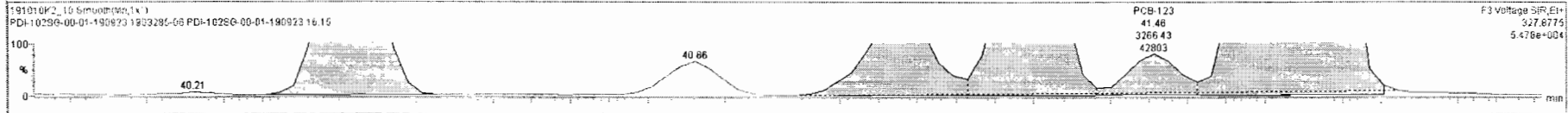
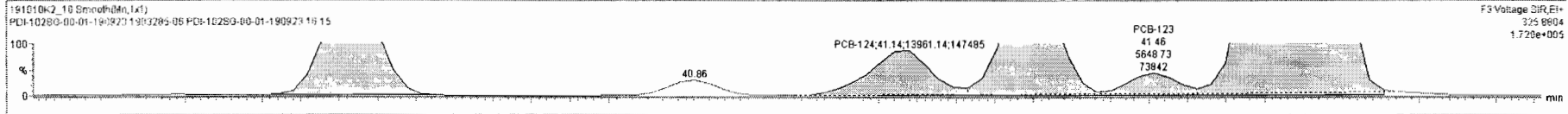
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1	79 PCB-106/112	36.43	38.44	1.825e4	1.170e4	1.560	1.56	NO	99.771	99.771
2	78 PCB-119	38.27	38.28	2.011e4	1.259e4	1.560	1.60	NO	92.490	92.490
3	77 PCB-99	37.80	37.79	2.009e5	1.304e5	1.560	1.54	NO	1112.6	1112.6
4	75 PCB-90/101	37.46	37.46	4.020e5	2.653e5	1.560	1.52	NO	2656.1	2656.1
5	74 PCB-89	37.28	37.25	4.405e3	2.895e3	1.560	1.52	NO	28.584	28.584
6	73 PCB-84/82	37.07	37.06	1.594e5	1.045e5	1.560	1.52	NO	1128.6	1128.6
7	71 PCB-88/91	36.12	36.13	6.481e4	4.205e4	1.560	1.54	NO	434.32	434.32



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#	Name	Resp	RA	n/y	RF	WtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	544.6		3.06	563.2
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7071		12.9	7080
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8963	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4
238	238 Total PCBs														
239	239 Total Mono-Isotopes														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
13	76 PCB-119	38.27	38.28	2.011e4	1.259e4	1.580	1.60	NO	92.490	92.490
14	79 PCB-108/112	38.43	38.44	1.825e4	1.170e4	1.580	1.58	NO	98.771	99.771
15	80 PCB-83	38.60	38.61	1.325e2	8.026e1	1.580	1.65	NO	0.57258	0.57258
16	81 PCB-87	38.82	38.81	1.046e5	6.954e4	1.580	1.50	NO	674.14	674.14
17	83 PCB-86	38.96	38.96	8.822e2	4.609e2	1.580	1.91	YES	4.9330	0.00000
18	83 PCB-87/117/25	39.07	39.09	1.159e5	7.877e4	1.580	1.47	NO	607.93	607.93
19	84 PCB-111/115	39.24	39.24	5.336e3	3.555e3	1.580	1.50	NO	23.117	23.117



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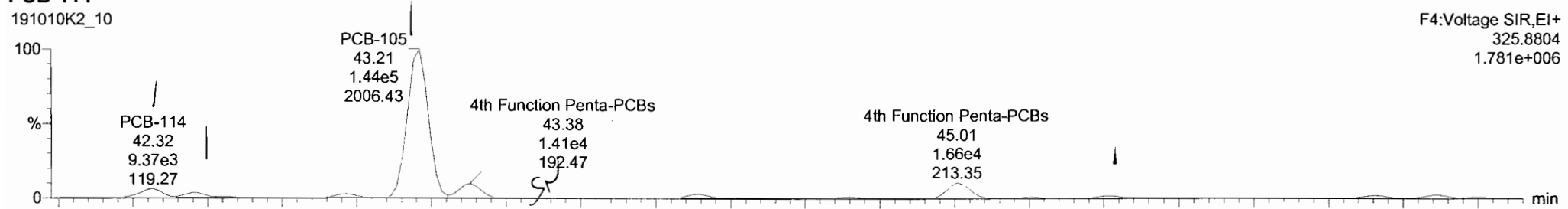
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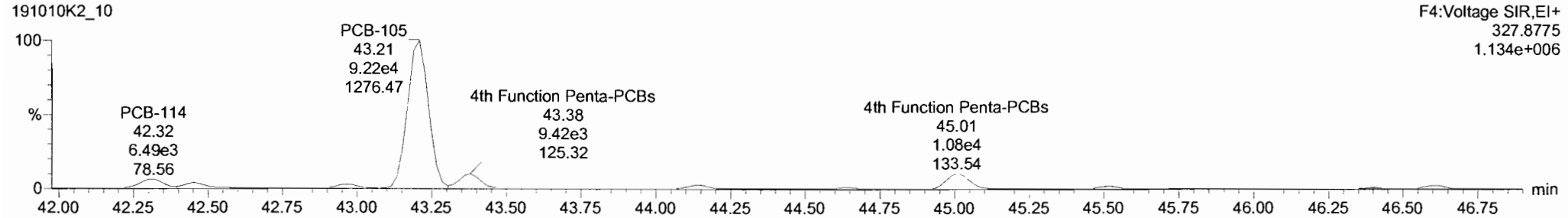
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191010K2_10

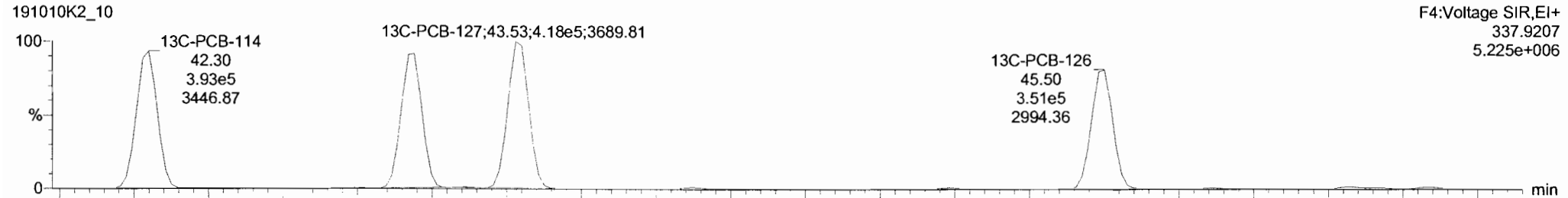


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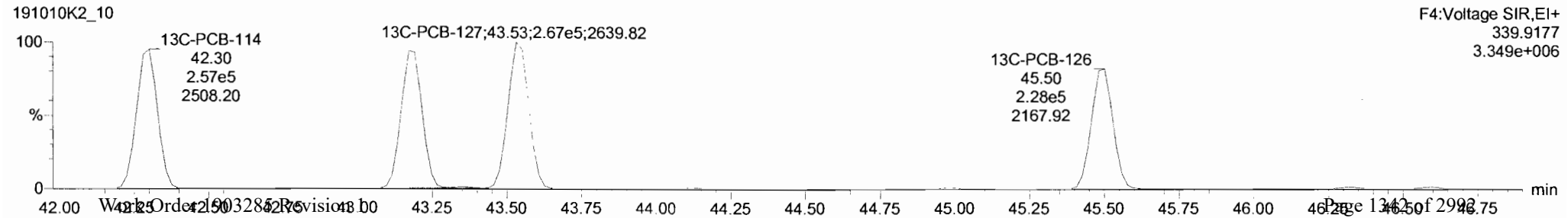


13C-PCB-114

191010K2_10



191010K2_10

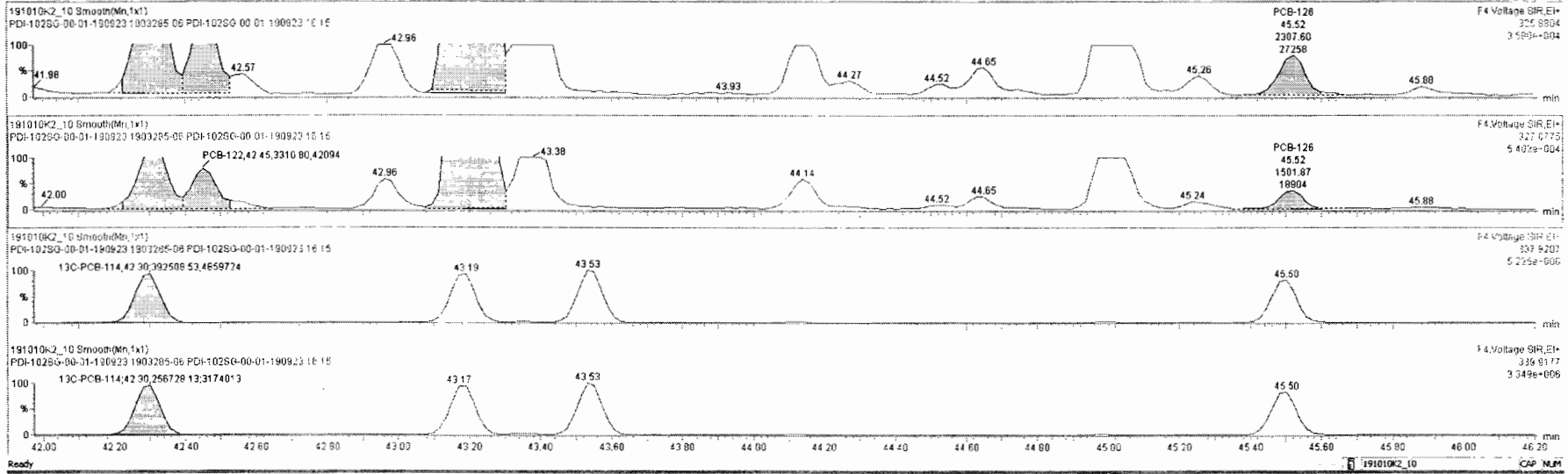


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191010K2_10 - 1903285-06 PDI-102SG-00-01-190923 16 15 - PDI-102SG-00-01-190923

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	220 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.4112	6.650	0.00		0.000		NO	5639		3.06	5639
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3756		6.17	3764
232	232 4th Function Hexa-PCBs				0.9716	6.650	0.00		0.000		NO	7071		12.9	7080
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CD				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4
238	238 Total PCBs														
239	239 Total Mono-isotopes														

#	Name	Pred RT	RT	wt Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	93 PCB-114	42.32	42.32	9.25263	6.35263	1.560	1.46	NO	31.116	31.116
2	94 PCB-122	42.45	42.45	4.77463	3.311e3	1.560	1.44	NO	19.253	19.253
3	95 PCB-105	43.21	43.21	1.446e5	9.226e4	1.550	1.57	NO	505.40	505.40
4	97 PCB-126	45.52	45.52	2.308e3	1.502e3	1.560	1.54	NO	8.1588	8.1588

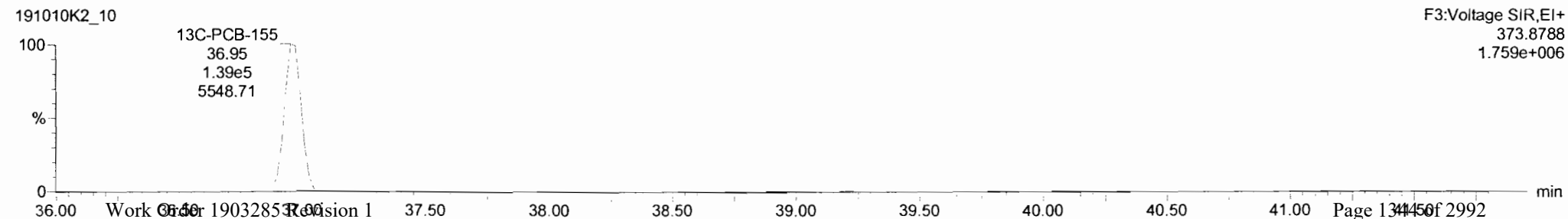
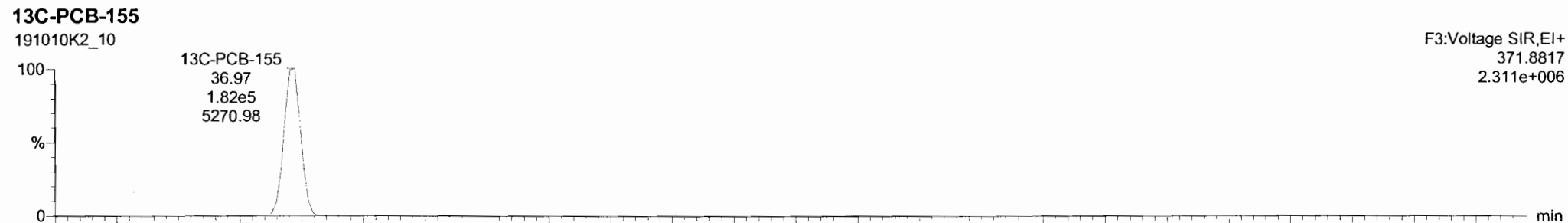
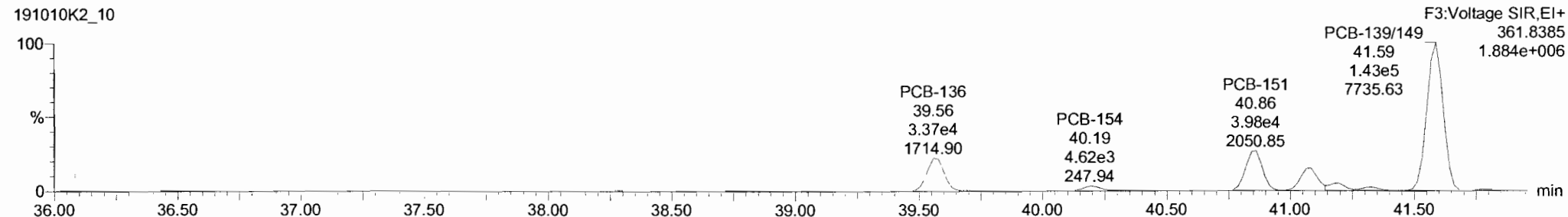
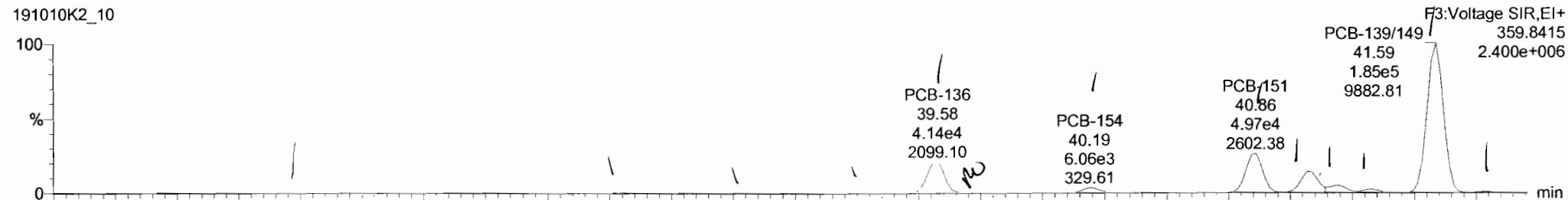


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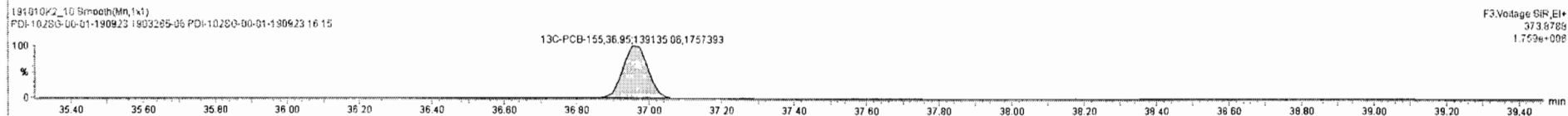
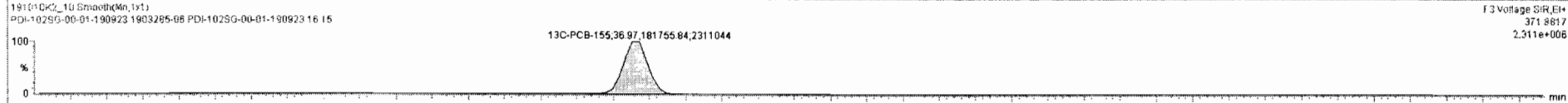
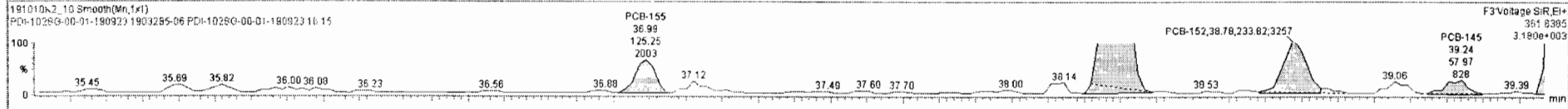
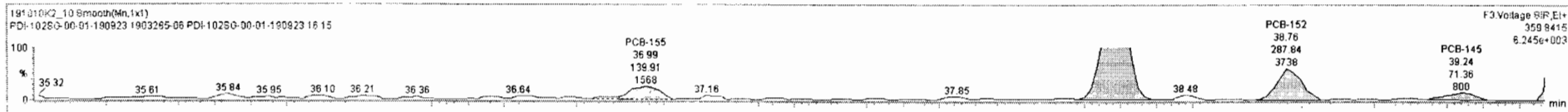
PCB-155



191010K2_10 - 1903285-06 PDI-102SG-00-01-190923 16:15 - PDI-102SG-00-01-190923

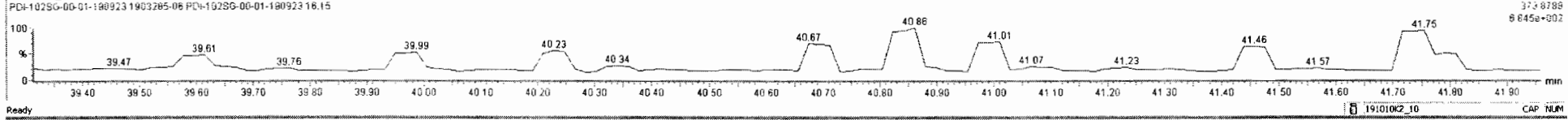
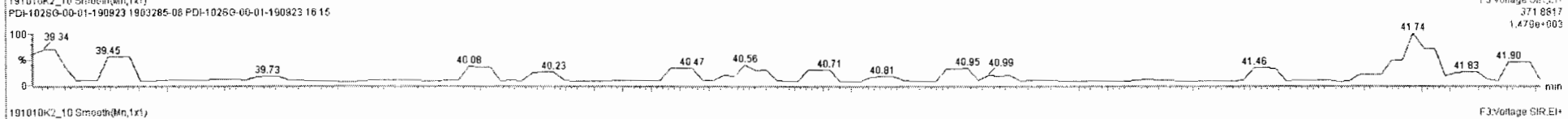
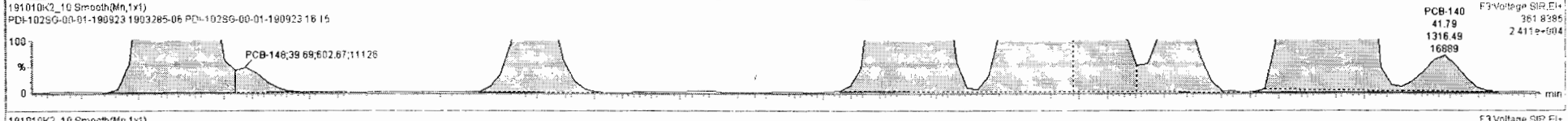
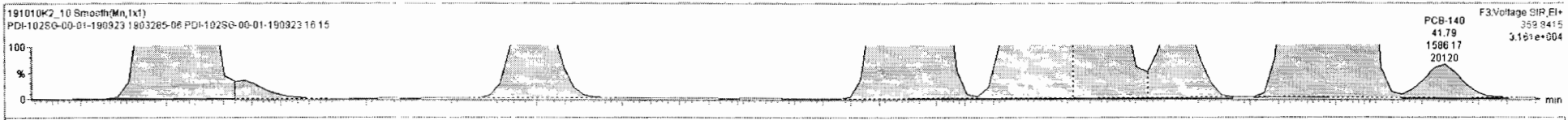
#	Name	Resp	RA	rv	RRF	wtAwt	PredRT	RT	PredR	RRT	RTT Fail	Conc.	%Rec	DL	EMPC
229	229	3rd Function Penta-PCBs			1.1154	6.650	0.00		0.000		NO	137.20		14.4	137.20
230	230	4th Function Penta-PCBs			1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	231	3rd Function Hexa-PCBs			0.7739	6.650	0.00		0.000		NO	37.63		6.17	37.70
232	232	4th Function Hexa-PCBs			0.9719	6.650	0.00		0.000		NO	7071		12.9	7080
233	233	Total Hepta-PCBs			1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234	4th Function Octa-PCBs			0.8963	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235	5th Function Octa-PCBs			1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236	Total Nona-PCBs			0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237	Deca-CB			0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4
238	238	Total PCBs													
239	239	Total Mono-Isotopes													

#	Name	PredRT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rv	EMPC	Conc.
1	98 PCB-155	36.99	36.99	1.399e2	1.253e2	1.240	1.12	NO	1.4222	1.4222
2	99 PCB-150	38.29	38.29	1.076e3	8.095e2	1.240	1.33	NO	10.032	10.032
3	100 PCB-152	38.78	38.78	2.878e2	2.338e2	1.240	1.23	NO	2.4339	2.4339
4	101 PCB-145	39.22	39.24	7.136e1	5.797e1	1.240	1.23	NO	0.60622	0.60622
5	102 PCB-136	39.58	39.58	4.135e4	3.374e4	1.240	1.23	NO	417.32	417.32
6	103 PCB-148	39.69	39.69	8.340e2	6.027e2	1.240	1.05	YES	7.7415	0.00000
7	104 PCB-154	40.18	40.19	6.090e3	4.853e3	1.240	1.31	NO	69.547	69.547



#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRY	RRY Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	137.20		14.4	137.20
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7071		12.9	7080
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4
238	238 Total PCBs														
239	239 Total Mono-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
6	103 PCB-146	39.69	39.69	6.340e2	6.027e2	1.240	1.05	YES	7.7415	0.00000
7	104 PCB-154	40.18	40.19	6.090e3	4.653e3	1.240	1.31	NO	69.547	69.547
8	105 PCB-151	40.85	40.86	4.977e4	3.983e4	1.240	1.25	NO	664.29	664.29
9	106 PCB-135	41.08	41.08	2.700e4	2.220e4	1.240	1.21	NO	322.55	322.55
10	107 PCB-144	41.18	41.20	9.507e3	6.782e3	1.240	1.40	NO	114.51	114.51
11	108 PCB-147	41.31	41.33	3.936e3	3.302e3	1.240	1.19	NO	51.318	51.318
12	109 PCB-139/149	41.59	41.59	1.850e5	1.438e5	1.240	1.29	NO	2087.0	2087.0



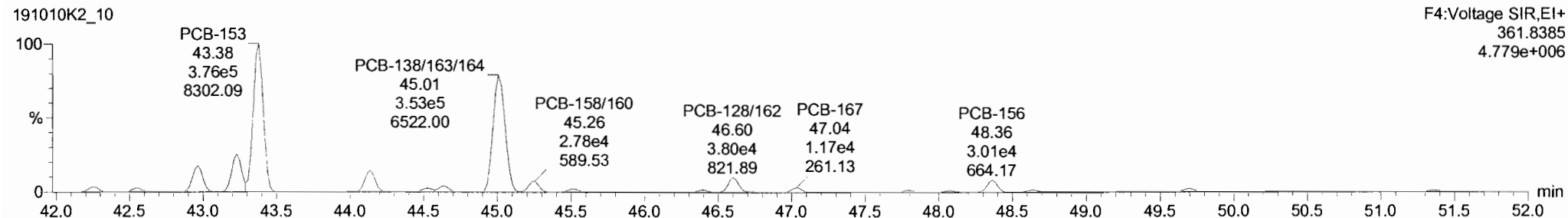
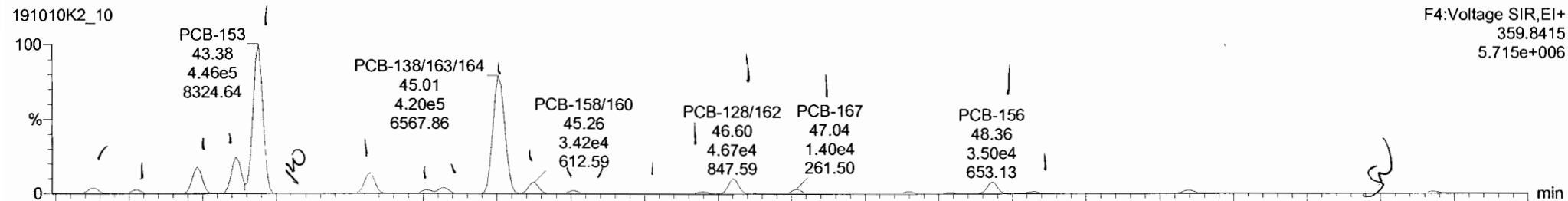
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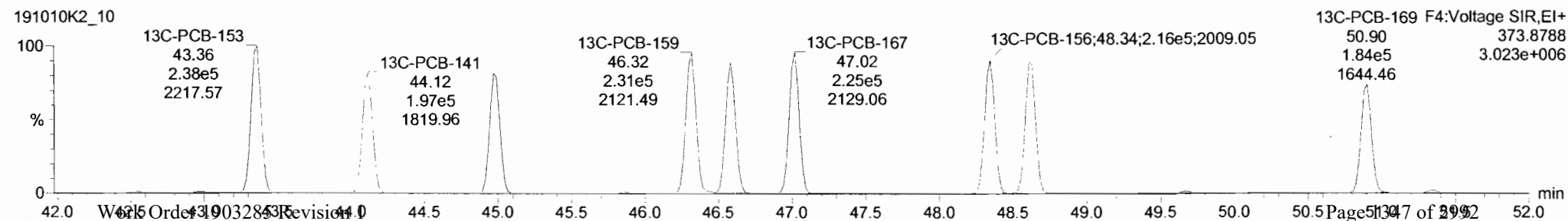
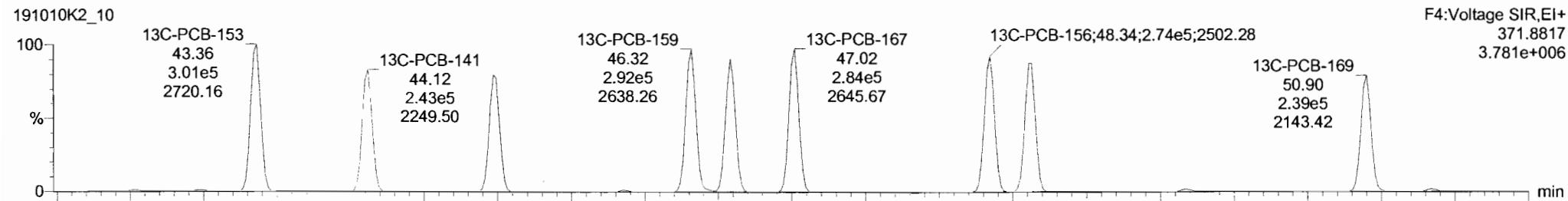
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PCB-134/143

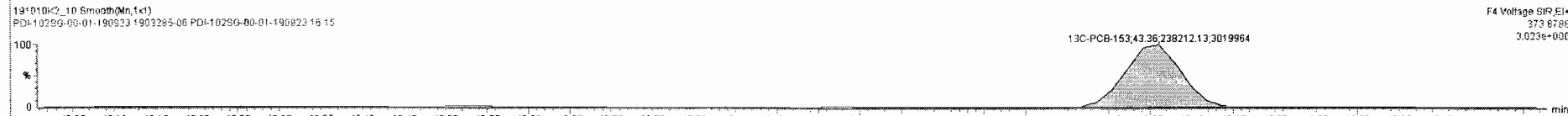
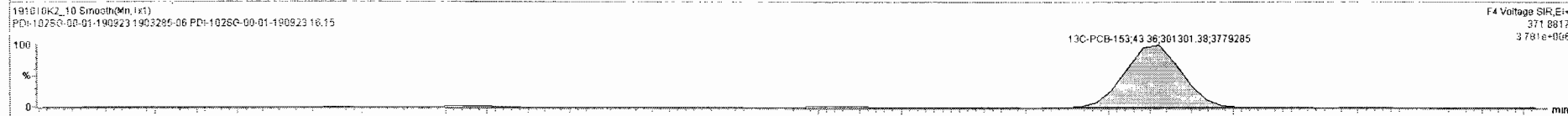
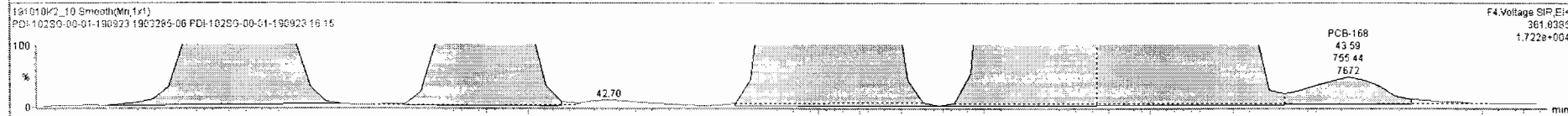
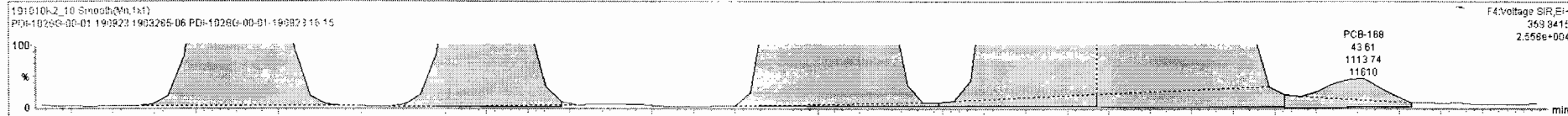


13C-PCB-153



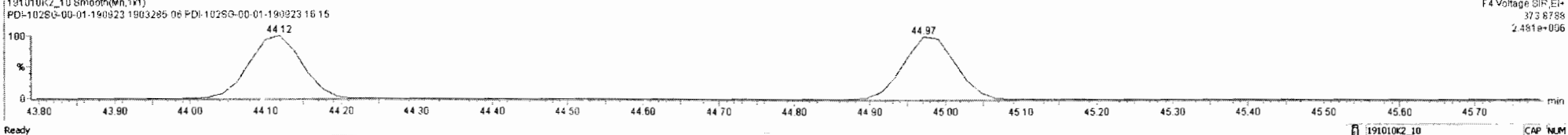
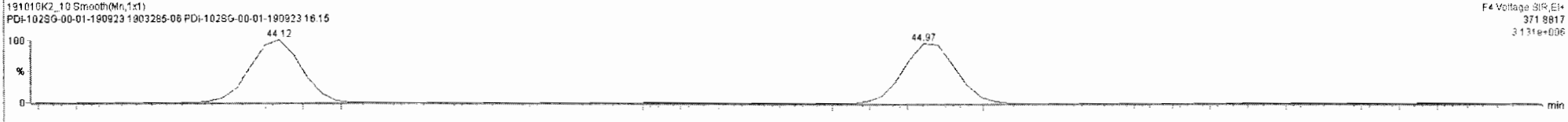
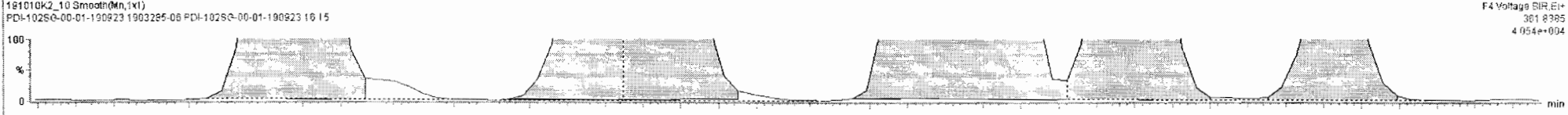
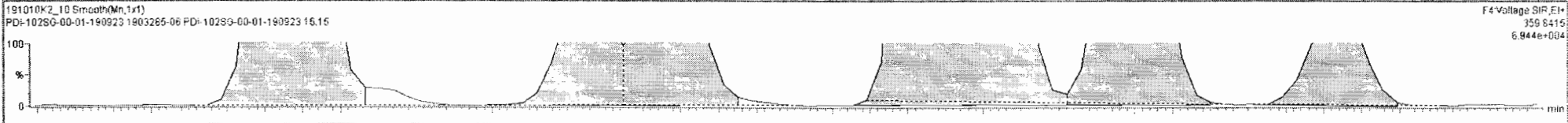
#	Name	Resp	RA	n/y	RRF	wfVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	137.20		14.4	137.20
230	4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7077		12.9	7081
233	Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	4th Function Octa-PCBs				0.8983	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	Deca-CB				0.9426	6.650	0.00		0.000		NO	388.4		0.935	388.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1:1 Ratio (Pred)	RA	n/y	EMPC	Conc.
111	PCB-134/143	42.27	42.26	1.706e4	1.317e4	1.240	1.29	NO	114.89	114.89
112	PCB-131/133	42.58	42.55	1.131e4	9.130e3	1.240	1.24	NO	72.087	72.087
114	PCB-145/165	42.96	42.96	7.802e4	6.582e4	1.240	1.19	NO	417.88	417.88
115	PCB-132/161	43.20	43.23	1.058e5	9.100e4	1.240	1.16	NO	562.45	562.45
116	PCB-153	43.38	43.38	4.478e5	3.785e5	1.240	1.19	NO	2270.0	2270.0
117	PCB-168	43.61	43.61	1.114e3	7.554e2	1.240	1.47	YES	4.6266	0.00000



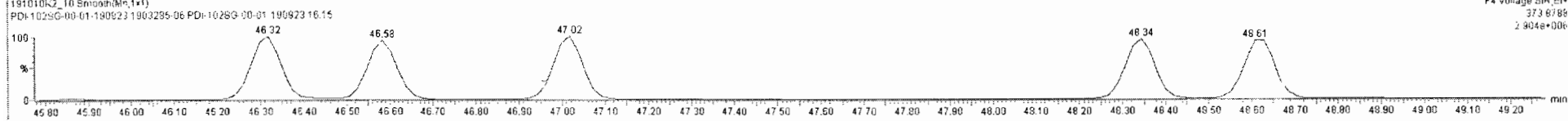
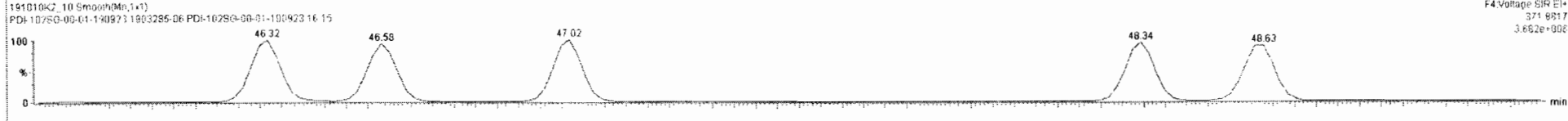
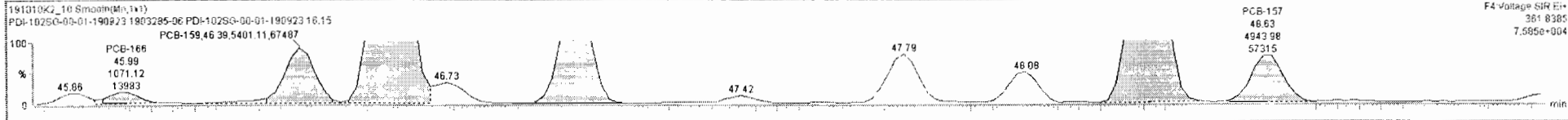
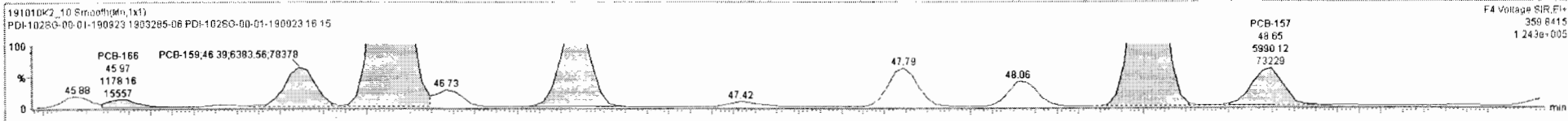
#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	137.20		14.4	137.20
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	963.9		3.06	563.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7077		12.9	7081
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
7	118 PCB-141	44.14	44.14	6.291e4	5.304e4	1.240	1.19	NO	409.75	409.75
8	119 PCB-137	44.52	44.52	1.027e4	8.874e3	1.240	1.16	NO	66.263	66.263
9	120 PCB-130	44.63	44.63	1.798e4	1.481e4	1.240	1.21	NO	133.35	133.35
10	121 PCB-138/63/64	45.01	45.01	4.212e5	3.532e5	1.240	1.19	NO	2160.9	2160.9
11	122 PCB-158/160	45.25	45.26	3.458e4	2.771e4	1.240	1.25	NO	180.91	180.91
12	123 PCB-129	45.50	45.52	9.202e3	7.753e3	1.240	1.19	NO	70.819	70.819



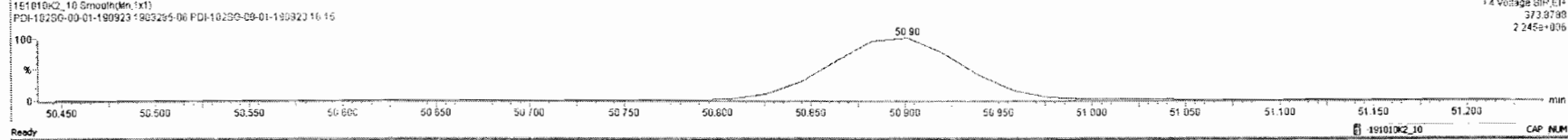
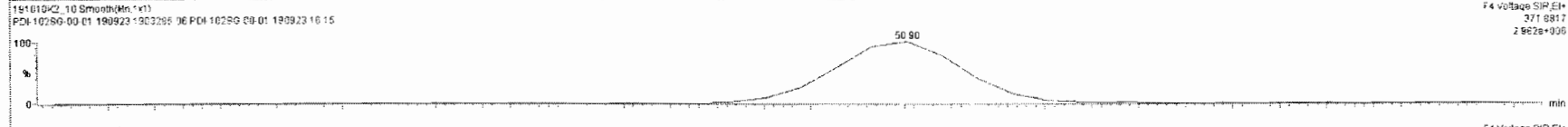
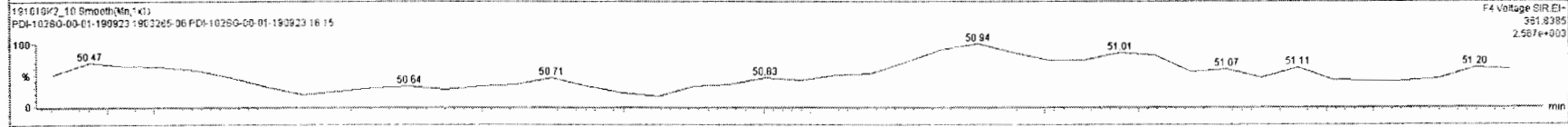
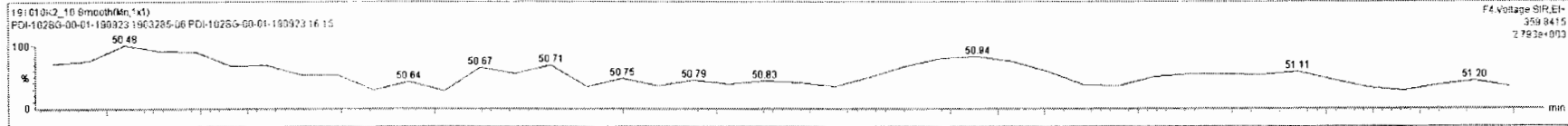
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7077		12.9	7091
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
9	120 PCB-130	44.63	44.63	1.790e4	1.481e4	1.240	1.21	NO	133.35	133.35
10	121 PCB-138n63n64	45.01	45.01	4.212e5	3.532e5	1.240	1.19	NO	2160.9	2160.9
11	122 PCB-158n60	45.25	45.26	3.458e4	2.771e4	1.240	1.25	NO	180.91	180.91
12	123 PCB-129	45.50	45.52	9.202e3	7.753e3	1.240	1.19	NO	70.819	70.819
13	124 PCB-166	46.00	45.97	1.178e3	1.071e3	1.240	1.10	NO	6.0417	6.0417
14	125 PCB-159	46.34	46.39	6.984e3	5.401e3	1.240	1.16	NO	30.239	30.239



#	Name	Resp	RA	nW	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7071		12.9	7080
233	233 Total Hexa-PCBs				1.2636	6.650	0.00		0.000		NO	6438		15.1	6438
234	234 4th Function Octa-PCBs				0.8963	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4

#	Name	Pred RT	RT	ml Resp	m2 Resp	1* Ratio (Pred)	RA	nW	EMPC	Conc
1	111 PCB-134/143	42.27	42.26	1.705e4	1.317e4	1.240	1.29	NO	114.87	114.87
2	112 PCB-131/130	42.59	42.55	1.122e4	9.135e3	1.240	1.23	NO	71.810	71.810
3	114 PCB-146/165	42.96	42.96	7.783e4	6.565e4	1.240	1.19	NO	416.62	416.62
4	115 PCB-132/161	43.20	43.23	1.050e5	9.090e4	1.240	1.16	NO	560.38	560.38
5	116 PCB-153	43.38	43.38	4.463e5	3.794e5	1.240	1.19	NO	2265.7	2265.7
8	117 PCB-168	43.61	43.61	6.129e2	7.941e2	1.240	0.80	YES	3.0269	0.00000



Vista Analytical Laboratory VG-11

Dataset: Untitled

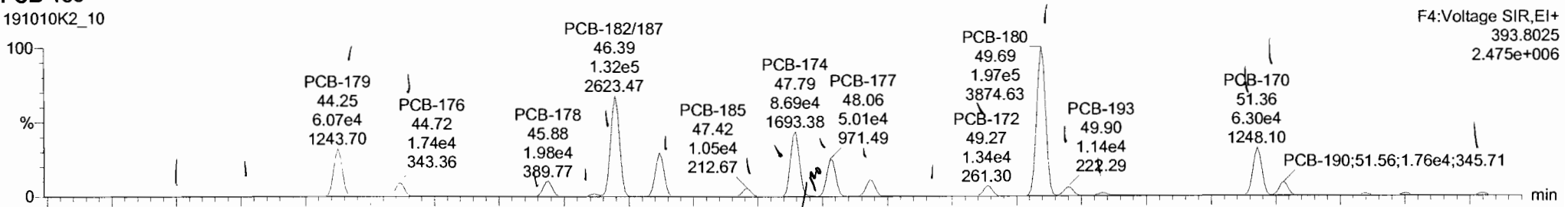
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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

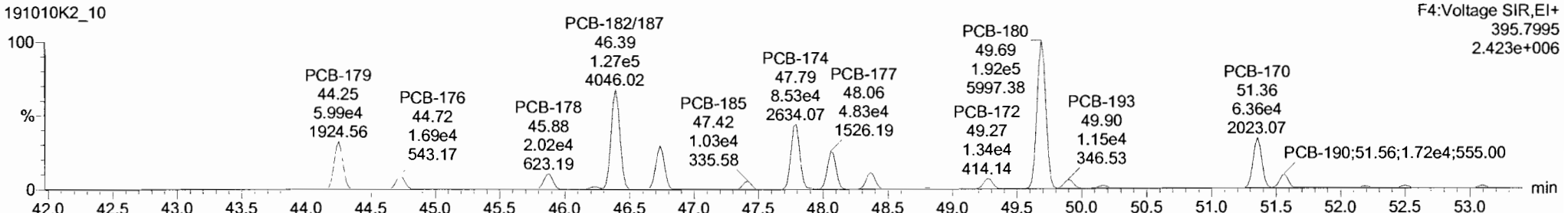
PCB-188

191010K2_10



F4:Voltage SIR,EI+
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2.475e+006

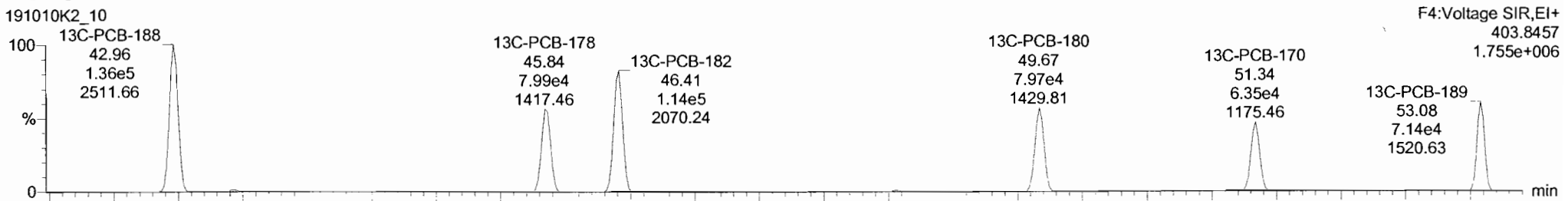
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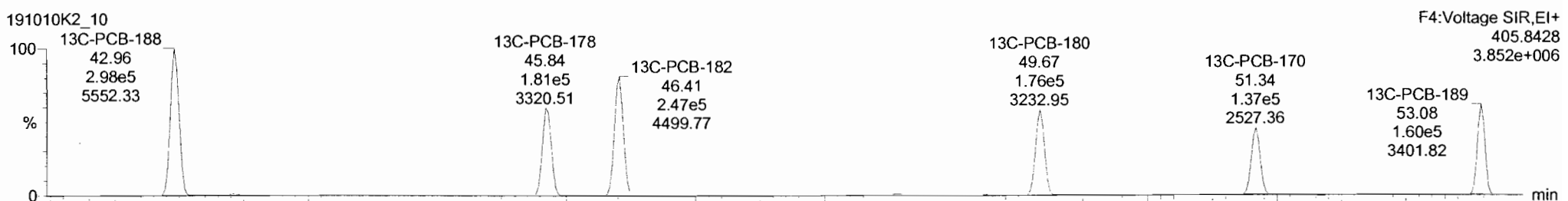
13C-PCB-188

191010K2_10



F4:Voltage SIR,EI+
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1.755e+006

191010K2_10

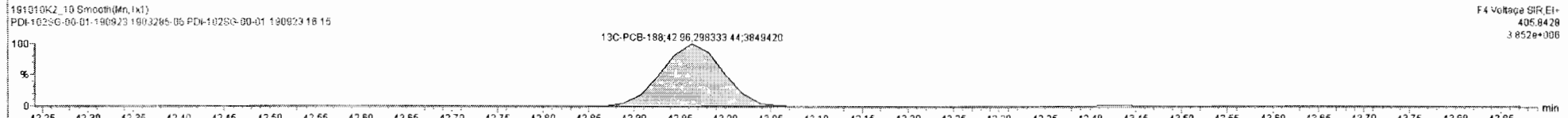
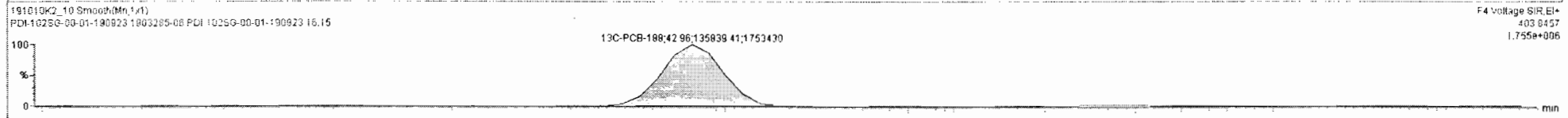
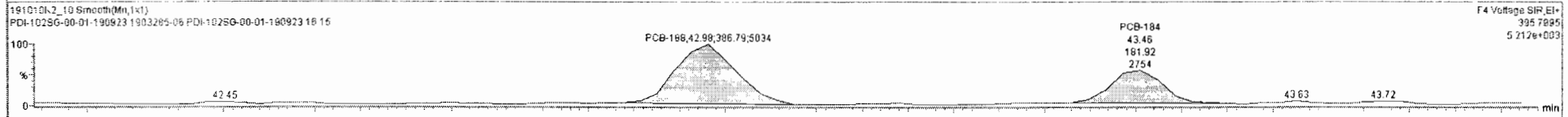
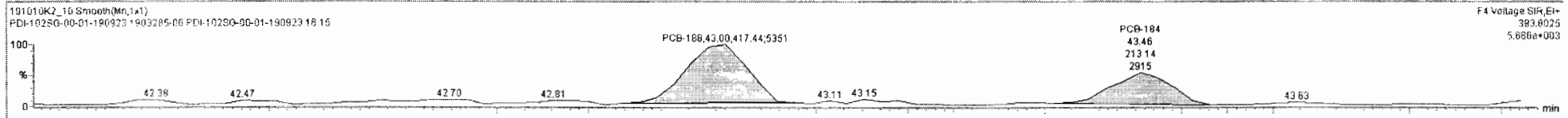


F4:Voltage SIR,EI+
405.8428
3.852e+006

191010K2_10 - 1903285-06 PDI-102SG-00-01-190923 16.15 - PDI-102SG-00-01-190923

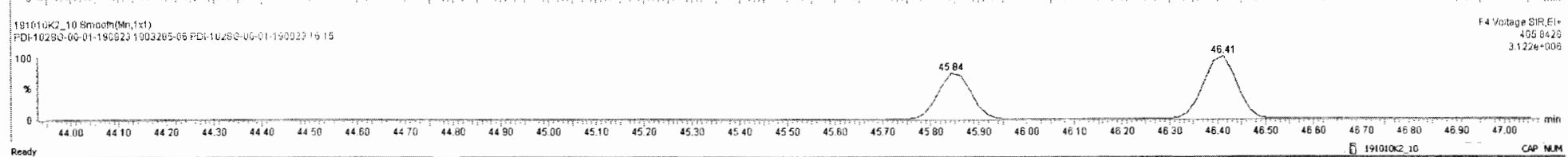
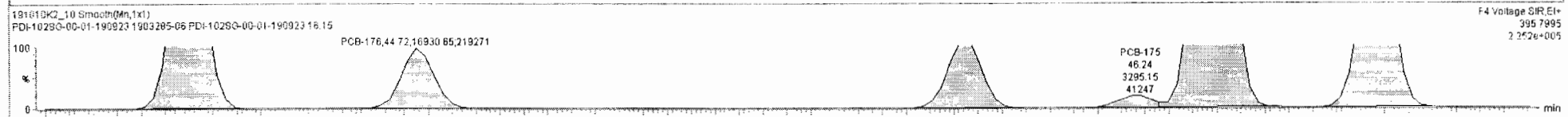
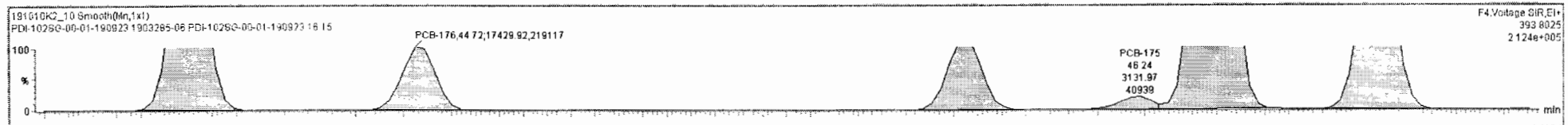
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229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7077		12.9	7081
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6439		15.1	6438
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	mly	EMPC	Conc.
1	131 PCB-188	43.00	43.00	4.174e2	3.868e2	1.050	1.08	NO	2.3346	2.3346
2	132 PCB-184	43.44	43.46	2.131e2	1.819e2	1.050	1.17	NO	1.1728	1.1728
3	133 PCB-179	44.25	44.25	6.068e4	5.988e4	1.050	1.01	NO	355.06	355.06
4	134 PCB-176	44.72	44.72	1.743e4	1.693e4	1.050	1.03	NO	102.65	102.65
5	136 PCB-178	45.84	45.88	1.979e4	2.025e4	1.050	0.98	NO	166.97	166.97
6	137 PCB-175	46.20	46.24	3.132e3	3.295e3	1.050	0.95	NO	26.233	26.233



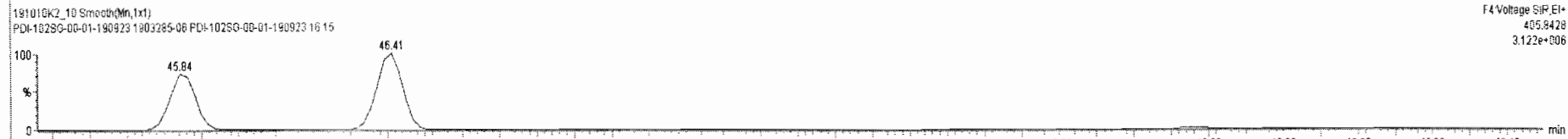
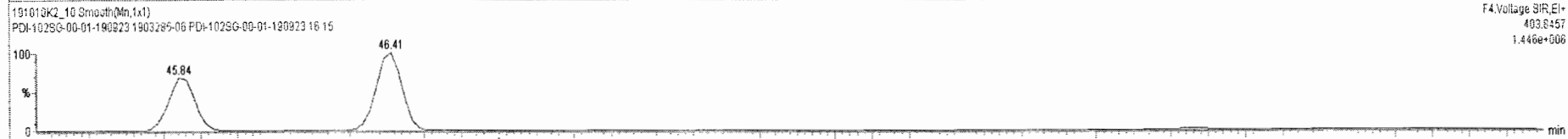
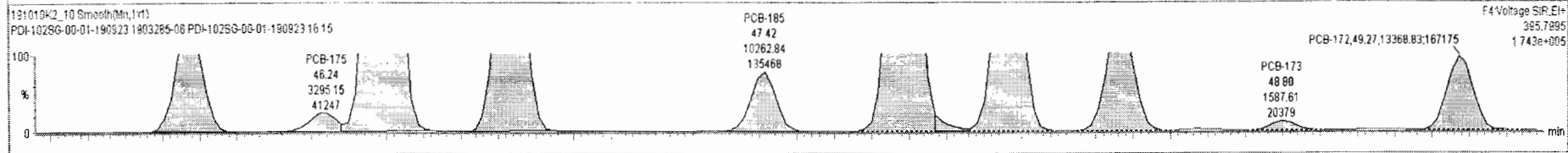
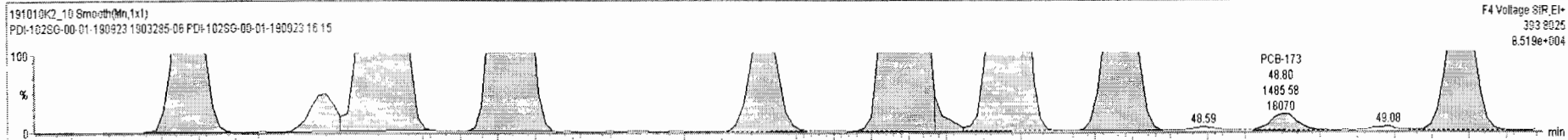
#	Name	Resp	RA	rvly	RRF	wtAvl	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	563.9		3.06	563.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7077		12.9	7081
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6436		15.1	6436
234	234 4th Function Octa-PCBs				0.6863	6.650	0.00		0.000		NO	954.2		4.94	955.3
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4

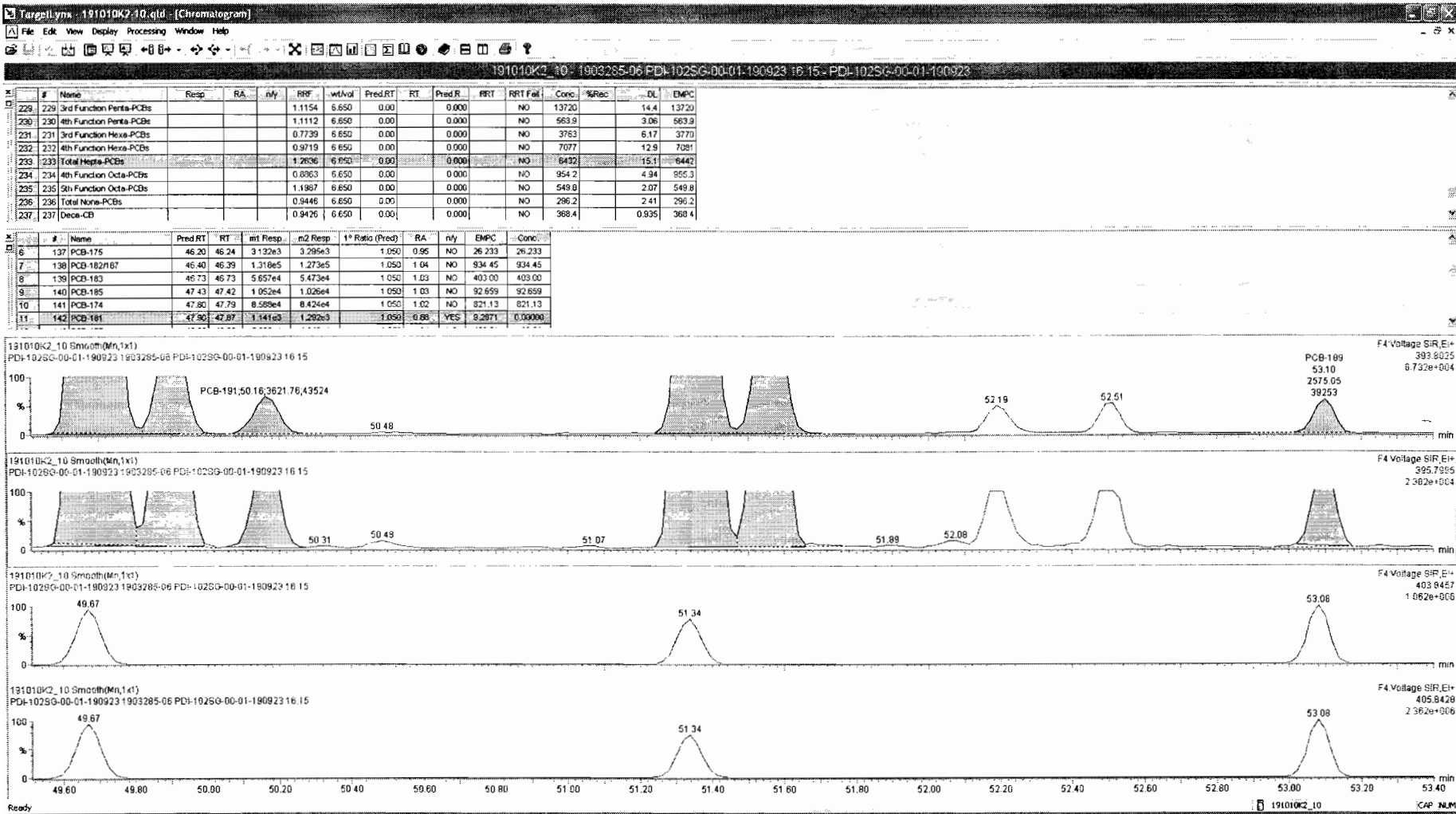
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	rvly	EMPC	Conc.
1	131 PCB-198	43.00	43.00	4.174e2	3.868e2	1.050	1.08	NO	2.3346	2.3346
2	132 PCB-194	43.44	43.46	2.131e2	1.819e2	1.050	1.17	NO	1.1728	1.1728
3	133 PCB-179	44.25	44.25	6.068e4	5.983e4	1.050	1.01	NO	355.06	355.06
4	134 PCB-176	44.72	44.72	1.743e4	1.693e4	1.050	1.03	NO	102.65	102.65
5	136 PCB-178	45.84	45.88	1.979e4	2.025e4	1.050	0.98	NO	166.97	166.97
6	137 PCB-175	46.20	46.24	3.132e3	3.295e3	1.050	0.95	NO	26.233	26.233



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1154	6.650	0.00	0.000			NO	13720		14.4	13720
230	4th Function Penta-PCBs				1.1112	6.650	0.00	0.000			NO	563.9		3.06	563.9
231	3rd Function Hexa-PCBs				0.7739	6.650	0.00	0.000			NO	3763		6.17	3770
232	4th Function Hexa-PCBs				0.9719	6.650	0.00	0.000			NO	7077		12.9	7081
233	Total Hepta-PCBs				1.2636	6.650	0.00	0.000			NO	6432		15.1	6442
234	4th Function Octa-PCBs				0.8863	6.650	0.00	0.000			NO	954.2		4.94	955.3
235	5th Function Octa-PCBs				1.1967	6.650	0.00	0.000			NO	549.8		2.07	549.8
236	Total Nona-PCBs				0.9446	6.650	0.00	0.000			NO	296.2		2.41	296.2
237	Deca-CB				0.9426	6.650	0.00	0.000			NO	368.4		0.935	368.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
6	137 PCB-175	46.20	46.24	3.132e3	3.295e3	1.050	0.95	NO	26.233	26.233
7	138 PCB-182/187	46.40	46.39	1.318e5	1.273e5	1.050	1.04	NO	934.45	934.45
8	139 PCB-183	46.73	46.73	5.657e4	5.473e4	1.050	1.03	NO	403.00	403.00
9	140 PCB-185	47.43	47.42	1.052e4	1.026e4	1.050	1.03	NO	92.659	92.659
10	141 PCB-174	47.80	47.79	8.568e4	8.424e4	1.050	1.02	NO	821.13	821.13
11	142 PCB-181	47.90	47.87	1.141e3	1.252e3	1.050	0.88	YES	9.2671	0.00000





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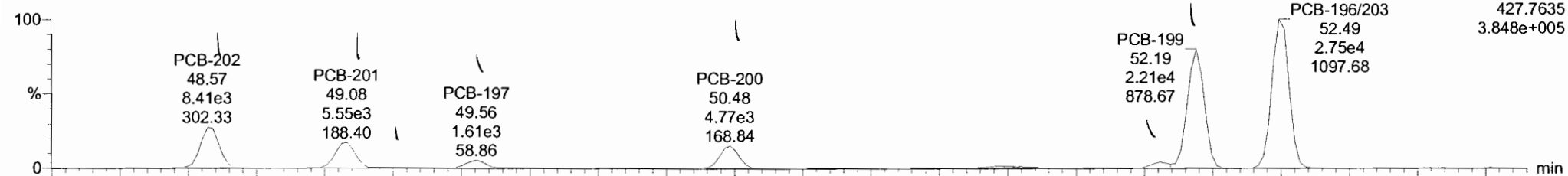
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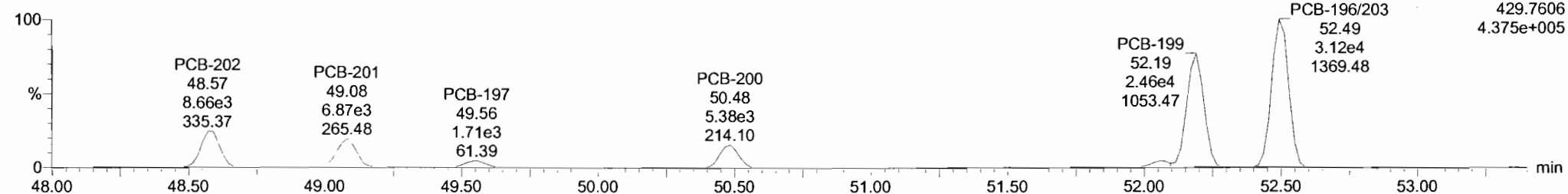
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PCB-202

191010K2_10

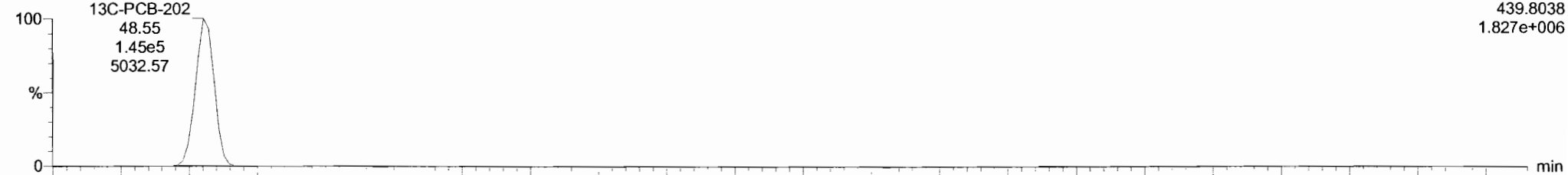


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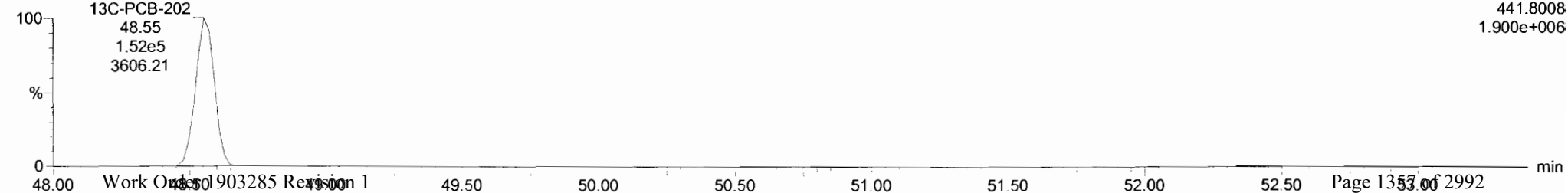


13C-PCB-202

191010K2_10

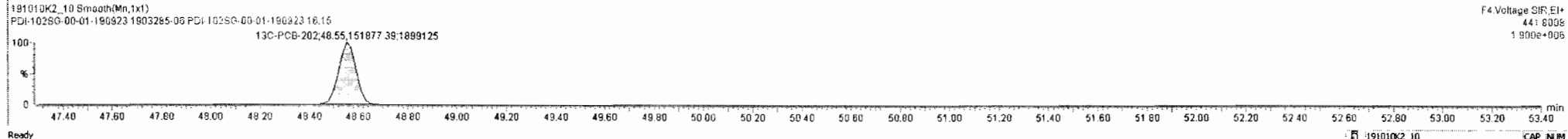
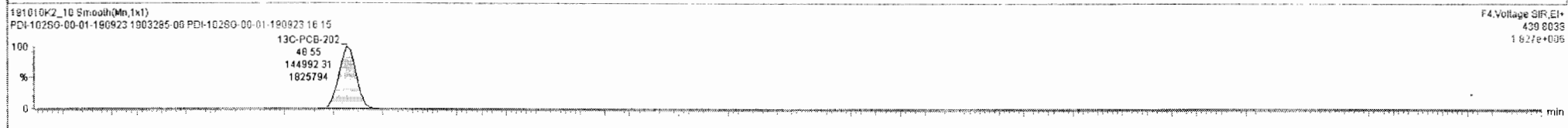
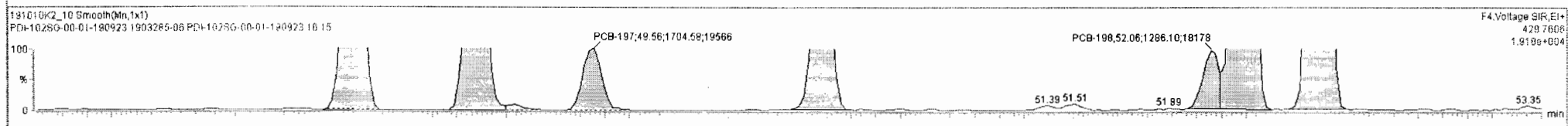
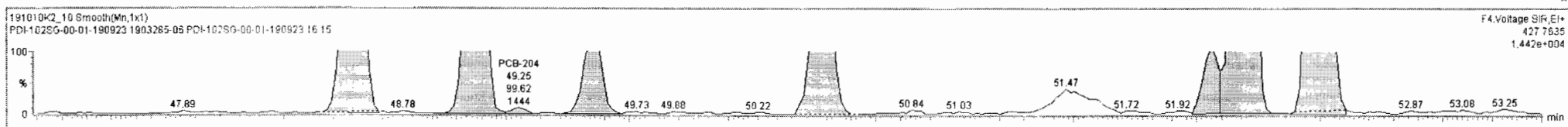


191010K2_10



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	6.650	0.00		0.000		NO	13720		14.4	13720
230	230 4th Function Penta-PCBs				1.1112	6.650	0.00		0.000		NO	583.9		9.06	583.9
231	231 3rd Function Hexa-PCBs				0.7739	6.650	0.00		0.000		NO	3763		6.17	3770
232	232 4th Function Hexa-PCBs				0.9719	6.650	0.00		0.000		NO	7077		12.9	7081
233	233 Total Hepta-PCBs				1.2636	6.650	0.00		0.000		NO	6432		15.1	6442
234	234 4th Function Octa-PCBs				0.8863	6.650	0.00		0.000		NO	956.5		4.94	956.5
235	235 5th Function Octa-PCBs				1.1967	6.650	0.00		0.000		NO	549.8		2.07	549.8
236	236 Total Nona-PCBs				0.9446	6.650	0.00		0.000		NO	296.2		2.41	296.2
237	237 Deca-CB				0.9426	6.650	0.00		0.000		NO	368.4		0.935	368.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
3	156 PCB-204	49.22	49.25	9.962e1	1.242e2	0.890	0.80	NO	1.1581	1.1581
4	157 PCB-197	49.54	49.56	1.610e3	1.705e3	0.890	0.94	NO	17.148	17.148
5	158 PCB-200	50.49	50.48	4.769e3	5.375e3	0.890	0.89	NO	53.854	53.854
6	159 PCB-198	52.04	52.06	1.043e3	1.289e3	0.890	0.81	NO	15.768	15.768
7	160 PCB-199	52.16	52.19	2.209e4	2.462e4	0.890	0.90	NO	335.16	335.16
8	161 PCB-196/203	52.48	52.49	2.769e4	3.118e4	0.890	0.89	NO	379.99	379.99



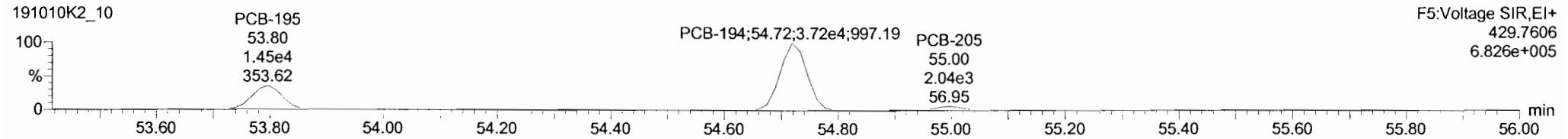
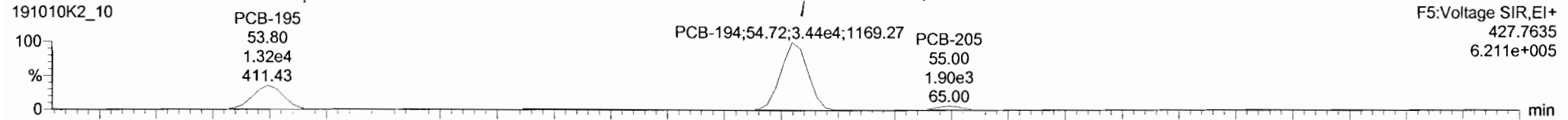
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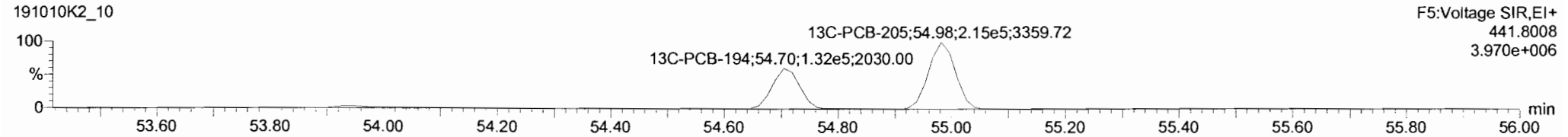
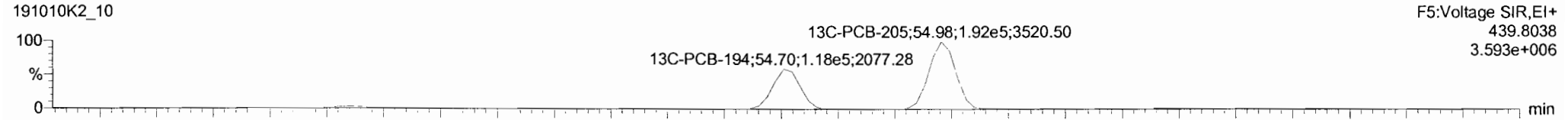
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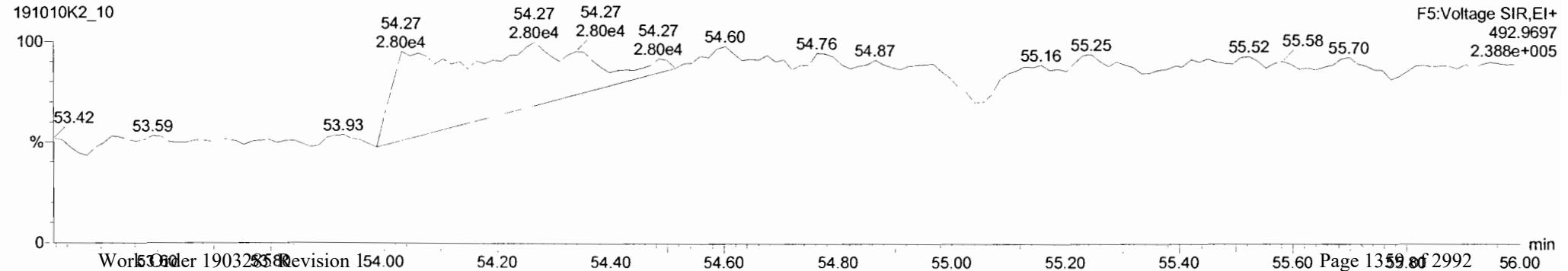
PCB-195



13C-PCB-194



PFK5



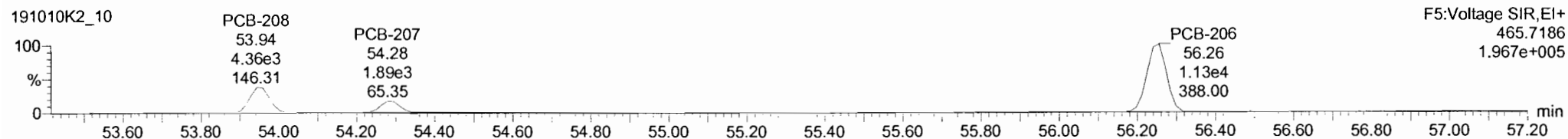
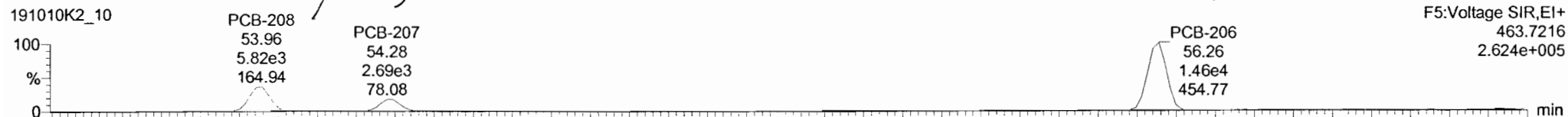
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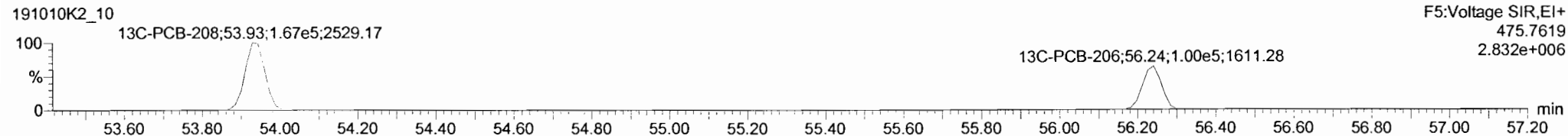
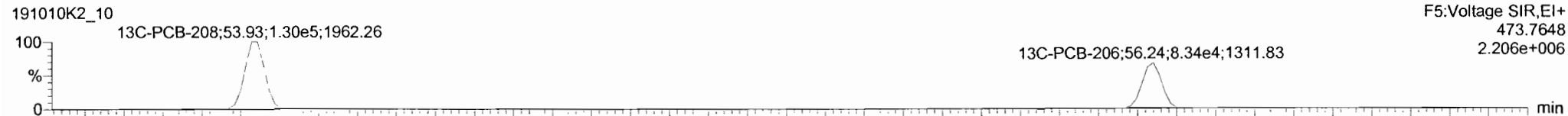
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Name: 191010K2_10, Date: 11-Oct-2019, Time: 12:27:54, ID: 1903285-06 PDI-102SG-00-01-190923 16.15, Description: PDI-102SG-00-01-190923

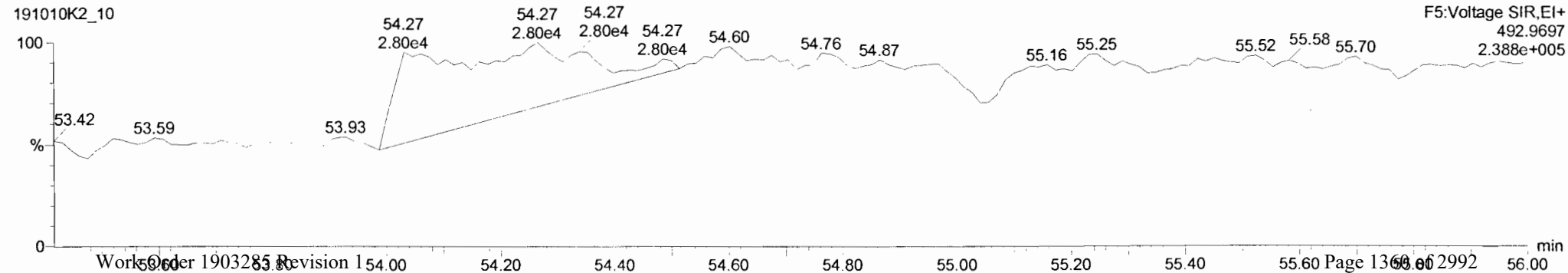
PCB-208



13C-PCB-208



PFK5



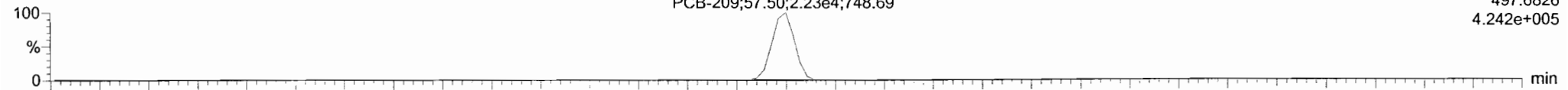
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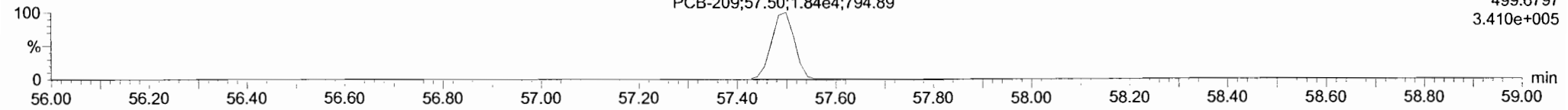
PCB-209

191010K2_10



F5:Voltage SIR,EI+
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4.242e+005

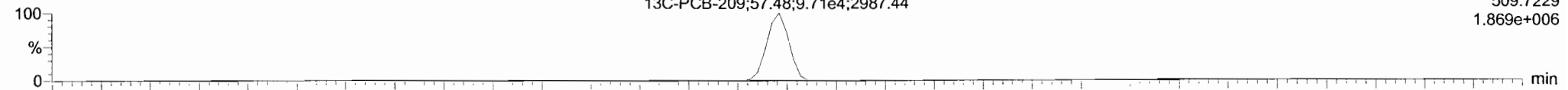
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F5:Voltage SIR,EI+
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3.410e+005

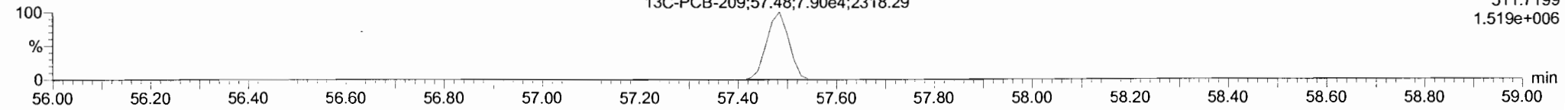
13C-PCB-209

191010K2_10



F5:Voltage SIR,EI+
509.7229
1.869e+006

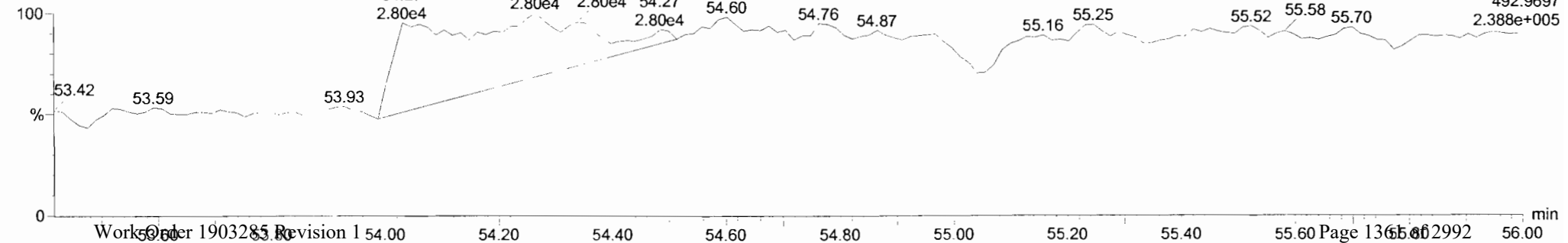
191010K2_10



F5:Voltage SIR,EI+
511.7199
1.519e+006

PFK5

191010K2_10



F5:Voltage SIR,EI+
492.9697
2.388e+005

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-5.qld

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GRB 10/31/19

HC 11-1-19

C7 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	14525.353	2.782	NO	1.02	5.522	15.52	15.53	1.00	1.00	NO	26.99		0.237	26.99
2	2 PCB-2	9984.895	2.753	NO	1.01	5.522	17.94	17.94	0.99	0.99	NO	17.49		0.237	17.49
3	3 PCB-3	13836.062	2.979	NO	1.01	5.522	18.17	18.17	1.00	1.00	NO	24.29		0.237	24.29
4	4 PCB-4/10	44977.215	1.513	NO	1.28	5.522	19.59	19.53	1.00	1.00	NO	89.79		0.722	89.79
5	5 PCB-7/9	20856.627	1.495	NO	0.976	5.522	21.39	21.36	1.00	1.00	NO	31.74		0.561	31.74
6	6 PCB-6	58799.615	1.591	NO	1.02	5.522	22.04	22.04	1.03	1.03	NO	85.88		0.539	85.88
7	7 PCB-5/8	228508.039	1.554	NO	1.01	5.522	22.45	22.44	1.05	1.05	NO	335.7		0.542	335.7
8	8 PCB-14				1.03	5.522	23.62		0.95		YES			0.662	
9	9 PCB-11	54845.522	1.578	NO	1.10	5.522	24.83	24.83	1.00	1.00	NO	77.32		0.624	77.32
10	10 PCB-12/13	32809.622	1.525	NO	1.04	5.522	25.26	25.22	1.02	1.02	NO	48.88		0.659	48.88
11	11 PCB-15	158218.008	1.604	NO	1.03	5.522	25.56	25.54	1.03	1.03	NO	237.7		0.665	237.7
12	12 PCB-19	28026.585	0.981	NO	0.934	5.522	23.78	23.77	1.00	1.00	NO	90.90		0.452	90.90
13	13 PCB-30	423.060	1.179	NO	1.48	5.522	24.67	24.70	1.04	1.04	NO	0.8656		0.285	0.8656
14	14 PCB-18	285926.813	0.971	NO	0.693	5.522	25.46	25.47	0.95	0.95	NO	828.4		0.389	828.4
15	15 PCB-17	188768.148	0.974	NO	0.667	5.522	25.62	25.63	0.96	0.96	NO	568.3		0.404	568.3
16	16 PCB-24/27	33648.046	0.966	NO	0.915	5.522	26.23	26.20	0.98	0.98	NO	73.87		0.295	73.87
17	17 PCB-16/32	262539.281	0.987	NO	0.792	5.522	26.76	26.76	1.00	1.00	NO	665.3		0.340	665.3
18	18 PCB-34	13952.792	1.028	NO	0.987	5.522	27.57	27.57	0.96	0.96	NO	24.31		0.394	24.31
19	19 PCB-23	433.664	1.069	NO	0.974	5.522	27.66	27.65	0.96	0.96	NO	0.7659		0.399	0.7659
20	20 PCB-29	3509.944	0.986	NO	0.953	5.522	27.93	27.93	0.97	0.97	NO	6.332		0.408	6.332
21	21 PCB-26	229936.164	1.051	NO	1.00	5.522	28.14	28.15	0.98	0.98	NO	395.1		0.389	395.1
22	22 PCB-25	146578.351	1.052	NO	0.978	5.522	28.31	28.30	0.98	0.98	NO	257.8		0.398	257.8
23	23 PCB-31	1058989.6...	1.029	NO	1.12	5.522	28.68	28.67	1.00	1.00	NO	1622		0.346	1622
24	24 PCB-28	1074089.0...	1.063	NO	1.11	5.522	28.76	28.78	1.00	1.00	NO	1671		0.352	1671
25	25 PCB-20/21/33	521744.875	1.044	NO	1.00	5.522	29.39	29.43	1.02	1.02	NO	894.4		0.388	894.4
26	26 PCB-22	277635.110	1.044	NO	1.03	5.522	29.86	29.86	1.04	1.04	NO	462.4		0.377	462.4
27	27 PCB-36	1924.291	1.204	YES	1.18	5.522	30.53	30.51	0.93	0.93	NO	2.968		0.362	2.748
28	28 PCB-39	6658.991	1.093	NO	1.08	5.522	31.00	30.98	0.95	0.95	NO	11.15		0.393	11.15
29	29 PCB-38	8072.674	1.148	NO	1.13	5.522	31.80	31.82	0.97	0.97	NO	12.99		0.378	12.99
30	30 PCB-35	14517.926	1.110	NO	1.13	5.522	32.35	32.36	0.99	0.99	NO	23.28		0.376	23.28
31	31 PCB-37	241684.617	1.071	NO	1.11	5.522	32.80	32.78	1.00	1.00	NO	396.6		0.385	396.6

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-5.qld

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	3522.508	0.799	NO	0.996	5.522	27.61	27.61	1.00	1.00	NO	8.196		0.502	8.196
33	33 PCB-50	2831.098	0.669	NO	0.781	5.522	28.81	28.82	1.04	1.04	NO	8.396		0.640	8.396
34	34 PCB-53	101295.203	0.727	NO	0.955	5.522	29.49	29.49	0.94	0.94	NO	301.9		0.682	301.9
35	35 PCB-51	37595.522	0.746	NO	1.02	5.522	29.84	29.84	0.95	0.95	NO	104.5		0.636	104.5
36	36 PCB-45	85480.504	0.746	NO	0.808	5.522	30.29	30.27	0.97	0.97	NO	301.1		0.806	301.1
37	37 PCB-46	34982.193	0.732	NO	0.754	5.522	30.79	30.79	0.99	0.99	NO	132.1		0.864	132.1
38	38 PCB-52/69	856476.656	0.729	NO	1.09	5.522	31.30	31.28	1.00	1.00	NO	2233		0.596	2233
39	39 PCB-73	2051.770	0.771	NO	1.29	5.522	31.42	31.39	1.01	1.00	NO	4.529		0.505	4.529
40	40 PCB-43/49	638475.844	0.726	NO	0.940	5.522	31.58	31.59	1.01	1.01	NO	1933		0.692	1933
41	41 PCB-47	240649.984	0.721	NO	0.869	5.522	31.82	31.82	1.00	1.00	NO	737.4		0.736	737.4
42	42 PCB-48/75	159483.492	0.734	NO	1.02	5.522	31.93	31.93	1.00	1.00	NO	414.4		0.624	414.4
43	43 PCB-65				1.11	5.522	32.20		1.01		YES			0.577	
44	44 PCB-62				1.07	5.522	32.31		1.02		YES			0.600	
45	45 PCB-44	537842.891	0.736	NO	0.761	5.522	32.64	32.64	1.03	1.03	NO	1882		0.840	1882
46	46 PCB-42/59	228046.828	0.733	NO	0.960	5.522	32.86	32.86	1.03	1.03	NO	632.3		0.666	632.3
47	47 PCB-41/64/71/72	573961.015	0.742	NO	1.08	5.522	33.48	33.45	1.05	1.05	NO	1412		0.591	1412
48	48 PCB-68	11209.816	0.749	NO	1.11	5.522	33.74	33.72	1.06	1.06	NO	26.92		0.577	26.92
49	49 PCB-40	68343.996	0.725	NO	0.577	5.522	33.97	33.94	1.07	1.07	NO	315.5		1.11	315.5
50	50 PCB-57	4398.576	0.692	NO	1.05	5.522	34.31	34.31	0.97	0.97	NO	10.07		0.523	10.07
51	51 PCB-67	26698.067	0.722	NO	0.993	5.522	34.64	34.63	0.98	0.98	NO	64.49		0.552	64.49
52	52 PCB-58	6518.470	0.723	NO	1.11	5.522	34.77	34.76	0.98	0.98	NO	14.06		0.493	14.06
53	53 PCB-63	27398.419	0.716	NO	0.962	5.522	34.92	34.91	0.99	0.99	NO	68.32		0.570	68.32
54	54 PCB-74	356056.219	0.714	NO	1.07	5.522	35.21	35.20	0.99	0.99	NO	801.2		0.514	801.2
55	55 PCB-61/70	1056454.6...	0.731	NO	0.986	5.522	35.43	35.43	1.00	1.00	NO	2571		0.556	2571
56	56 PCB-76/66	911856.094	0.725	NO	1.07	5.522	35.59	35.63	1.00	1.01	NO	2051		0.514	2051
57	57 PCB-80				1.08	5.522	35.86		1.00		YES			0.479	
58	58 PCB-55	7047.091	0.657	NO	1.07	5.522	36.18	36.15	1.01	1.01	NO	15.29		0.486	15.29
59	59 PCB-56/60	430236.750	0.724	NO	0.934	5.522	36.68	36.69	1.02	1.02	NO	1067		0.555	1067
60	60 PCB-79	12659.875	0.806	NO	1.04	5.522	37.80	37.81	1.05	1.06	NO	28.08		0.497	28.08
61	61 PCB-78	2185.561	0.861	NO	1.03	5.522	38.52	38.46	0.99	0.99	NO	5.635		0.590	5.635
62	62 PCB-81	4849.185	0.667	NO	0.933	5.522	39.06	39.11	1.00	1.00	NO	13.83		0.652	13.83
63	63 PCB-77	61390.627	0.702	NO	1.03	5.522	39.67	39.67	1.00	1.00	NO	174.4		0.649	174.4
64	64 PCB-104	509.790	1.734	NO	0.995	5.522	32.49	32.49	1.00	1.00	NO	1.689		0.454	1.689
65	65 PCB-96	6853.505	1.335	NO	0.996	5.522	33.78	33.75	1.04	1.04	NO	22.67		0.453	22.67

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	12501.999	1.589	NO	0.774	5.522	34.35	34.33	1.06	1.06	NO	53.19		0.583	53.19
67	67 PCB-100	6230.759	1.428	NO	0.778	5.522	34.72	34.68	1.07	1.07	NO	26.40		0.581	26.40
68	68 PCB-94	2810.592	1.783	NO	0.773	5.522	35.19	35.17	0.99	0.98	NO	14.56		0.738	14.56
69	69 PCB-95/98/102	430353.672	1.531	NO	1.01	5.522	35.66	35.72	1.00	1.00	NO	1700		0.563	1700
70	70 PCB-93				0.841	5.522	35.78		1.00		YES			0.679	
71	71 PCB-88/91	91078.750	1.581	NO	0.890	5.522	36.13	36.13	1.01	1.01	NO	410.3		0.642	410.3
72	72 PCB-121				1.39	5.522	36.22		1.01		YES			0.412	
73	73 PCB-84/92	220475.235	1.524	NO	0.879	5.522	37.09	37.08	0.99	0.99	NO	1171		0.749	1171
74	74 PCB-89	5647.342	1.735	NO	0.959	5.522	37.30	37.27	1.00	1.00	NO	27.46		0.685	27.46
75	75 PCB-90/101	537522.703	1.509	NO	0.944	5.522	37.47	37.47	1.00	1.00	NO	2657		0.697	2657
76	76 PCB-113	1742.894	1.657	NO	1.23	5.522	37.72	37.72	1.01	1.01	NO	6.609		0.534	6.609
77	77 PCB-99	270794.711	1.519	NO	1.12	5.522	37.82	37.81	1.01	1.01	NO	1129		0.588	1129
78	78 PCB-119	25700.401	1.565	NO	1.47	5.522	38.29	38.29	0.99	0.99	NO	92.04		0.502	92.04
79	79 PCB-108/112	24539.562	1.556	NO	1.25	5.522	38.45	38.46	0.99	0.99	NO	103.5		0.591	103.5
80	80 PCB-83	126.831	0.816	YES	1.55	5.522	38.62	38.61	1.00	1.00	NO	0.4320		0.477	0.3185
81	81 PCB-97	140279.004	1.553	NO	1.07	5.522	38.83	38.81	1.00	1.00	NO	687.6		0.686	687.6
82	82 PCB-86	1187.348	1.000	YES	0.996	5.522	38.98	38.96	1.00	1.00	NO	6.284		0.741	5.155
83	83 PCB-87/117/125	148062.816	1.497	NO	1.33	5.522	39.09	39.11	1.01	1.01	NO	585.5		0.554	585.5
84	84 PCB-111/115	7114.436	1.596	NO	1.60	5.522	39.26	39.26	1.01	1.01	NO	23.41		0.461	23.41
85	85 PCB-85/116	66281.096	1.547	NO	1.22	5.522	39.38	39.37	1.02	1.01	NO	287.2		0.607	287.2
86	86 PCB-120	3508.923	1.594	NO	1.68	5.522	39.65	39.65	1.02	1.02	NO	11.00		0.439	11.00
87	87 PCB-110	628754.313	1.510	NO	1.49	5.522	39.79	39.78	1.03	1.03	NO	2230		0.497	2230
88	88 PCB-82	36492.066	1.503	NO	0.674	5.522	40.41	40.43	0.98	0.98	NO	235.5		0.917	235.5
89	89 PCB-124	15772.624	1.537	NO	1.16	5.522	41.15	41.14	0.99	0.99	NO	59.02		0.532	59.02
90	90 PCB-107/109	37719.327	1.474	NO	1.17	5.522	41.29	41.31	1.00	1.00	NO	140.7		0.530	140.7
91	91 PCB-123	5516.154	1.328	NO	1.04	5.522	41.46	41.46	1.00	1.00	NO	23.06		0.594	23.06
92	92 PCB-106/118	432858.735	1.485	NO	1.07	5.522	41.66	41.66	1.00	1.00	NO	1731		0.589	1731
93	93 PCB-114	11369.280	1.493	NO	1.16	5.522	42.32	42.32	1.00	1.00	NO	31.98		0.703	31.98
94	94 PCB-122	5786.157	1.401	NO	0.973	5.522	42.45	42.47	1.00	1.00	NO	19.44		0.839	19.44
95	95 PCB-105	174134.937	1.594	NO	1.10	5.522	43.21	43.21	1.00	1.00	NO	524.7		0.746	524.7
96	96 PCB-127				1.11	5.522	43.57		1.00		YES			0.714	
97	97 PCB-126	2871.084	1.698	NO	1.21	5.522	45.52	45.52	1.00	1.00	NO	8.832		0.758	8.832
98	98 PCB-155	172.291	1.367	NO	0.874	5.522	36.99	36.97	1.00	1.00	NO	1.110		0.665	1.110
99	99 PCB-150	1642.716	1.058	NO	0.881	5.522	38.29	38.29	1.04	1.04	NO	10.50		0.660	10.50

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152	439.828	1.272	NO	1.00	5.522	38.78	38.78	1.05	1.05	NO	2.466		0.579	2.466
101	101 PCB-145				1.00	5.522	39.22		1.06		YES			0.581	
102	102 PCB-136	59889.603	1.257	NO	0.843	5.522	39.58	39.58	1.07	1.07	NO	399.9		0.689	399.9
103	103 PCB-148	996.534	1.390	NO	0.693	5.522	39.69	39.67	1.07	1.07	NO	8.094		0.838	8.094
104	104 PCB-154	9304.536	1.144	NO	0.724	5.522	40.18	40.21	1.09	1.09	NO	72.38		0.803	72.38
105	105 PCB-151	72706.291	1.257	NO	0.632	5.522	40.85	40.86	1.11	1.11	NO	647.8		0.920	647.8
106	106 PCB-135	41073.025	1.235	NO	0.716	5.522	41.08	41.08	1.11	1.11	NO	323.1		0.812	323.1
107	107 PCB-144	11799.548	1.334	NO	0.667	5.522	41.18	41.20	1.11	1.11	NO	99.68		0.872	99.68
108	108 PCB-147	5886.418	1.312	NO	0.661	5.522	41.31	41.35	1.12	1.12	NO	50.15		0.879	50.15
109	109 PCB-139/149	270804.289	1.254	NO	0.738	5.522	41.59	41.59	1.13	1.12	NO	2066		0.787	2066
110	110 PCB-140	2691.887	1.261	NO	0.627	5.522	41.78	41.79	1.13	1.13	NO	24.16		0.927	24.16
111	111 PCB-134/143	20959.300	1.201	NO	0.733	5.522	42.27	42.26	0.97	0.97	NO	115.1		1.18	115.1
112	112 PCB-131/133	13635.795	1.171	NO	0.790	5.522	42.56	42.56	0.98	0.98	NO	69.50		1.09	69.50
113	113 PCB-142				0.708	5.522	42.71		0.99		YES			1.22	
114	114 PCB-146/165	102835.520	1.192	NO	0.959	5.522	42.96	42.98	0.99	0.99	NO	431.7		0.901	431.7
115	115 PCB-132/161	139464.688	1.160	NO	0.974	5.522	43.20	43.25	1.00	1.00	NO	576.4		0.887	576.4
116	116 PCB-153	580884.063	1.196	NO	1.01	5.522	43.38	43.38	1.00	1.00	NO	2312		0.854	2312
117	117 PCB-168	1102.335	0.884	YES	1.02	5.522	43.61	43.61	1.01	1.01	NO	4355		0.848	3.691
118	118 PCB-141	82716.250	1.186	NO	0.967	5.522	44.14	44.14	1.00	1.00	NO	430.2		1.11	430.2
119	119 PCB-137	14482.285	1.176	NO	0.987	5.522	44.52	44.53	1.01	1.01	NO	73.78		1.09	73.78
120	120 PCB-130	24598.014	1.128	NO	0.840	5.522	44.63	44.65	1.01	1.01	NO	147.3		1.28	147.3
121	121 PCB-138/163/164	534766.735	1.207	NO	1.23	5.522	45.03	45.03	1.00	1.00	NO	2168		0.840	2168
122	122 PCB-158/160	43254.821	1.184	NO	1.18	5.522	45.27	45.26	1.01	1.01	NO	182.5		0.874	182.5
123	123 PCB-129	11454.464	1.168	NO	0.819	5.522	45.52	45.52	1.01	1.01	NO	69.52		1.26	69.52
124	124 PCB-166	1492.409	1.075	NO	1.07	5.522	46.00	45.99	0.99	0.99	NO	6.074		0.911	6.074
125	125 PCB-159				1.12	5.522	46.33		1.00		YES			0.870	
126	126 PCB-128/162	56896.642	1.208	NO	0.851	5.522	46.62	46.62	1.01	1.01	NO	291.0		1.14	291.0
127	127 PCB-167	17295.034	1.148	NO	1.04	5.522	47.04	47.06	1.00	1.00	NO	72.06		0.900	72.06
128	128 PCB-156	43738.616	1.202	NO	1.06	5.522	48.36	48.38	1.00	1.00	NO	188.8		0.951	188.8
129	129 PCB-157	7250.881	1.172	NO	0.978	5.522	48.67	48.65	1.00	1.00	NO	33.23		0.983	33.23
130	130 PCB-169				1.11	5.522	50.92		1.00		YES			1.06	
131	131 PCB-188	381.629	1.039	NO	1.19	5.522	43.02	43.02	1.00	1.00	NO	1.655		0.856	1.655
132	132 PCB-184	401.752	1.007	NO	1.17	5.522	43.46	43.47	1.01	1.01	NO	1.781		0.875	1.781
133	133 PCB-179	85107.086	1.035	NO	1.18	5.522	44.27	44.25	1.03	1.03	NO	374.4		0.868	374.4

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-5.qld

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	134 PCB-176	23040.846	1.048	NO	1.16	5.522	44.74	44.74	1.04	1.04	NO	102.8		0.881	102.8
135	135 PCB-186				1.22	5.522	45.35		1.06		YES			0.838	
136	136 PCB-178	26137.263	1.046	NO	0.830	5.522	45.86	45.88	1.07	1.07	NO	162.8		1.23	162.8
137	137 PCB-175	5143.671	1.023	NO	0.849	5.522	46.22	46.24	1.08	1.08	NO	31.36		1.20	31.36
138	138 PCB-182/187	174955.570	1.034	NO	0.960	5.522	46.42	46.41	1.08	1.08	NO	942.8		1.06	942.8
139	139 PCB-183	72121.894	1.041	NO	0.957	5.522	46.75	46.75	1.09	1.09	NO	390.1		1.07	390.1
140	140 PCB-185	14198.466	1.077	NO	1.32	5.522	47.45	47.42	0.95	0.95	NO	94.06		1.35	94.06
141	141 PCB-174	124652.758	1.025	NO	1.22	5.522	47.82	47.79	0.96	0.96	NO	894.1		1.46	894.1
142	142 PCB-181				1.41	5.522	47.91		0.96		YES			1.26	
143	143 PCB-177	69162.653	1.046	NO	1.24	5.522	48.09	48.08	0.97	0.97	NO	487.4		1.43	487.4
144	144 PCB-171	30395.377	1.049	NO	1.24	5.522	48.39	48.38	0.97	0.97	NO	213.9		1.43	213.9
145	145 PCB-173	2137.134	1.118	NO	1.14	5.522	48.82	48.82	0.98	0.98	NO	16.37		1.56	16.37
146	146 PCB-172	17726.581	1.006	NO	1.31	5.522	49.31	49.29	0.99	0.99	NO	118.5		1.36	118.5
147	147 PCB-192				1.70	5.522	49.50		1.00		YES			1.05	
148	148 PCB-180	262297.008	1.025	NO	1.32	5.522	49.71	49.71	1.00	1.00	NO	1737		1.35	1737
149	149 PCB-193	15243.383	1.039	NO	1.54	5.522	49.94	49.92	1.00	1.00	NO	86.56		1.16	86.56
150	150 PCB-191	4248.425	1.092	NO	1.57	5.522	50.18	50.18	1.01	1.01	NO	23.60		1.13	23.60
151	151 PCB-170	87448.121	1.017	NO	1.36	5.522	51.38	51.38	1.00	1.00	NO	700.9		1.66	700.9
152	152 PCB-190	23556.527	1.091	NO	1.84	5.522	51.56	51.58	1.00	1.00	NO	139.5		1.22	139.5
153	153 PCB-189	4087.484	1.074	NO	1.33	5.522	53.12	53.12	1.00	1.00	NO	26.82		1.20	26.82
154	154 PCB-202	13594.691	0.905	NO	1.02	5.522	48.61	48.59	1.00	1.00	NO	92.71		1.63	92.71
155	155 PCB-201	8069.181	0.900	NO	0.915	5.522	49.10	49.08	1.01	1.01	NO	61.58		1.82	61.58
156	156 PCB-204				0.979	5.522	49.24		1.01		YES			1.70	
157	157 PCB-197	2453.726	0.872	NO	0.979	5.522	49.56	49.56	1.02	1.02	NO	17.50		1.70	17.50
158	158 PCB-200	7452.607	0.907	NO	0.954	5.522	50.51	50.50	1.04	1.04	NO	54.55		1.75	54.55
159	159 PCB-198	1980.957	0.842	NO	0.748	5.522	52.06	52.08	1.07	1.07	NO	18.49		2.23	18.49
160	160 PCB-199	41206.703	0.874	NO	0.706	5.522	52.18	52.21	1.07	1.07	NO	407.7		2.36	407.7
161	161 PCB-196/203	45842.691	0.853	NO	0.785	5.522	52.50	52.51	1.08	1.08	NO	408.0		2.12	408.0
162	162 PCB-195	21138.410	0.925	NO	1.03	5.522	53.82	53.81	0.98	0.98	NO	150.2		1.26	150.2
163	163 PCB-194	58453.559	0.910	NO	1.16	5.522	54.74	54.73	1.00	1.00	NO	371.2		1.13	371.2
164	164 PCB-205	3436.006	0.891	NO	1.40	5.522	55.00	55.01	1.01	1.01	NO	18.01		0.933	18.01
165	165 PCB-208	8272.169	1.295	NO	0.934	5.522	53.96	53.96	1.00	1.00	NO	57.45		0.649	57.45
166	166 PCB-207	3860.776	1.465	NO	0.912	5.522	54.28	54.29	1.01	1.01	NO	27.46		0.665	27.46
167	167 PCB-206	19398.744	1.247	NO	0.987	5.522	56.26	56.26	1.00	1.00	NO	194.6		0.930	194.6

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	22431.736	1.261	NO	0.943	5.522	57.48	57.50	1.00	1.00	NO	238.6		0.783	238.6
169	169 13C-PCB-1	955101.125	2.895	NO	1.08	5.522	15.53	15.51	0.61	0.61	NO	1184	65.4	3.62	
170	170 13C-PCB-3	1024558.9...	3.074	NO	1.09	5.522	18.17	18.16	0.71	0.71	NO	1255	69.3	3.58	
171	171 13C-PCB-4	711252.844	1.587	NO	0.640	5.522	19.53	19.51	0.77	0.76	NO	1485	82.0	1.90	
172	172 13C-PCB-9	1219182.3...	1.602	NO	0.995	5.522	21.36	21.33	0.84	0.84	NO	1637	90.4	1.22	
173	173 13C-PCB-11	1172057.0...	1.582	NO	0.971	5.522	24.81	24.81	0.97	0.97	NO	1612	89.0	1.25	
174	174 13C-PCB-19	597695.438	1.026	NO	0.637	5.522	23.77	23.75	0.93	0.93	NO	1253	69.2	4.70	
175	175 13C-PCB-32	901978.688	1.007	NO	0.910	5.522	26.76	26.74	1.05	1.05	NO	1325	73.1	3.29	
176	176 13C-PCB-28	1052785.0...	0.958	NO	1.07	5.522	28.76	28.75	1.00	1.00	NO	1381	76.3	4.22	
177	177 13C-PCB-37	997421.344	0.974	NO	0.959	5.522	32.74	32.77	1.14	1.14	NO	1458	80.5	4.71	
178	178 13C-PCB-54	781706.125	0.783	NO	1.10	5.522	27.60	27.59	0.75	0.75	NO	1538	84.9	1.26	
179	179 13C-PCB-52	636368.407	0.758	NO	0.844	5.522	31.26	31.26	0.85	0.85	NO	1629	90.0	1.64	
180	180 13C-PCB-47	680337.750	0.760	NO	0.893	5.522	31.78	31.80	0.87	0.87	NO	1646	90.9	1.55	
181	181 13C-PCB-70	755128.281	0.758	NO	1.01	5.522	35.41	35.41	0.97	0.97	NO	1620	89.4	1.37	
182	182 13C-PCB-80	781498.251	0.768	NO	1.05	5.522	35.84	35.84	0.98	0.98	NO	1615	89.2	1.32	
183	183 13C-PCB-81	680673.531	0.751	NO	0.985	5.522	39.04	39.04	1.06	1.06	NO	1494	82.5	1.41	
184	184 13C-PCB-77	617443.876	0.769	NO	0.958	5.522	39.65	39.65	1.08	1.08	NO	1393	76.9	1.44	
185	185 13C-PCB-104	549743.312	1.582	NO	1.10	5.522	32.45	32.47	0.83	0.83	NO	1750	96.7	2.10	
186	186 13C-PCB-95	451874.657	1.523	NO	0.852	5.522	35.70	35.71	0.91	0.91	NO	1852	102	2.70	
187	187 13C-PCB-101	388170.265	1.642	NO	0.814	5.522	37.44	37.46	0.95	0.95	NO	1666	92.0	2.83	
188	188 13C-PCB-97	343727.297	1.630	NO	0.709	5.522	38.79	38.79	0.99	0.99	NO	1693	93.5	3.24	
189	189 13C-PCB-123	416141.360	1.640	NO	0.922	5.522	41.44	41.44	1.06	1.06	NO	1577	87.1	2.50	
190	190 13C-PCB-118	423255.172	1.696	NO	0.975	5.522	41.62	41.62	1.06	1.06	NO	1516	83.7	2.36	
191	191 13C-PCB-114	554222.047	1.550	NO	1.52	5.522	42.30	42.30	0.91	0.91	NO	1967	109	2.98	
192	192 13C-PCB-105	545930.515	1.505	NO	1.58	5.522	43.19	43.19	0.93	0.93	NO	1860	103	2.86	
193	193 13C-PCB-127	565026.860	1.567	NO	1.62	5.522	43.53	43.55	0.93	0.93	NO	1879	104	2.79	
194	194 13C-PCB-126	485533.110	1.572	NO	1.45	5.522	45.50	45.50	0.98	0.98	NO	1812	100	3.13	
195	195 13C-PCB-155	321604.407	1.300	NO	1.03	5.522	36.99	36.97	0.94	0.94	NO	1095	60.5	0.707	
196	196 13C-PCB-153	449659.719	1.270	NO	1.42	5.522	43.37	43.36	0.93	0.93	NO	1703	94.1	3.59	
197	197 13C-PCB-141	360093.922	1.298	NO	1.14	5.522	44.12	44.12	0.95	0.95	NO	1700	93.8	4.47	
198	198 13C-PCB-138	364210.125	1.229	NO	1.18	5.522	45.00	44.99	0.97	0.97	NO	1665	91.9	4.33	
199	199 13C-PCB-159	416214.390	1.269	NO	1.43	5.522	46.31	46.32	0.99	0.99	NO	1566	86.5	3.56	
200	200 13C-PCB-167	416941.797	1.275	NO	1.42	5.522	47.03	47.02	1.01	1.01	NO	1579	87.2	3.59	
201	201 13C-PCB-156	397066.594	1.243	NO	1.40	5.522	48.33	48.34	1.04	1.04	NO	1532	84.6	3.65	

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	404131.704	1.289	NO	1.41	5.522	48.63	48.63	1.04	1.04	NO	1550	85.6	3.63	
203	203 13C-PCB-169	341265.204	1.264	NO	1.35	5.522	50.90	50.90	1.09	1.09	NO	1367	75.5	3.79	
204	204 13C-PCB-188	350061.602	0.457	NO	1.46	5.522	43.00	42.98	0.93	0.93	NO	1777	98.1	1.22	
205	205 13C-PCB-180	207179.758	0.468	NO	0.932	5.522	49.67	49.69	1.07	1.07	NO	1650	91.1	1.92	
206	206 13C-PCB-170	166014.516	0.451	NO	0.796	5.522	51.34	51.36	1.11	1.11	NO	1549	85.5	2.25	
207	207 13C-PCB-189	207088.789	0.481	NO	1.09	5.522	53.05	53.10	1.14	1.14	NO	1410	77.9	1.64	
208	208 13C-PCB-202	259320.297	0.954	NO	1.45	5.522	48.56	48.57	1.04	1.04	NO	1327	73.3	1.52	
209	209 13C-PCB-194	246682.664	0.884	NO	0.714	5.522	54.73	54.72	1.00	0.99	NO	1811	100	2.34	
210	210 13C-PCB-208	279115.914	0.786	NO	0.896	5.522	53.98	53.94	0.98	0.98	NO	1632	90.1	1.99	
211	211 13C-PCB-206	182858.219	0.782	NO	0.653	5.522	56.24	56.24	1.02	1.02	NO	1468	81.0	2.74	
212	212 13C-PCB-209	180669.836	1.234	NO	0.806	5.522	57.49	57.48	1.05	1.05	NO	1175	64.9	0.749	
213	213 13C-PCB-15	1355273.2...	1.578	NO	1.00	5.522	25.49	25.52	1.00	0.00	NO	1811	100	1.22	
214	214 13C-PCB-31	1291211.1...	0.971	NO	1.00	5.522	28.64	28.65	1.00	0.00	NO	1811	100	4.52	
215	215 13C-PCB-60	837850.844	0.764	NO	1.00	5.522	36.66	36.67	1.00	0.00	NO	1811	100	1.38	
216	216 13C-PCB-111	518490.438	1.604	NO	1.00	5.522	39.22	39.24	1.00	0.00	NO	1811	100	2.30	
217	217 13C-PCB-128	335780.156	1.276	NO	1.00	5.522	46.58	46.60	1.00	0.00	NO	1811	100	5.11	
218	218 13C-PCB-182	243980.329	0.471	NO	1.00	5.522	46.41	46.41	0.00	0.00	NO	1811	100	1.79	
219	219 13C-PCB-205	345714.422	0.890	NO	1.00	5.522	54.98	55.00	1.00	0.00	NO	1811	100	1.67	
220	220 13C-PCB-79	733265.031	0.766	NO	1.03	5.522	37.77	37.77	1.03	1.03	NO	1536	84.8	1.34	
221	221 13C-PCB-178	206776.379	0.438	NO	0.875	5.522	45.86	45.86	0.99	0.99	NO	1275	70.4	1.50	
222	222 13C-PCB-79	733265.031	0.766	NO	1.05	5.522	37.77	37.77	0.97	0.97	NO	1866	103	1.64	
223	223 13C-PCB-178	206652.980	0.437	NO	0.975	5.522	45.89	45.86	0.92	0.92	NO	1853	102	2.20	
224	224 Total Mono-PCBs				1.01	5.522	0.00		0.00		NO	68.77		0.711	68.77
225	225 Total Di-PCBs				1.06	5.522	0.00		0.00		NO	907.0		4.97	907.0
226	226 2nd Function Tri-PCBs				0.914	5.522	0.00		0.00		NO	2228	8,006 ✓	2.16	2228
227	227 3rd Function Tri-PCBs				1.06	5.522	0.00		0.00		NO	5778		5.34	5781
228	228 Total Tetra-PCBs				0.986	5.522	0.00		0.00		NO	17330		19.9	17330
229	229 3rd Function Penta-PCBs				1.12	5.522	0.00		0.00		NO	13430	14,95 ✓	17.1	13430
230	230 4th Function Penta-PCBs				1.11	5.522	0.00		0.00		NO	585.0		3.76	585.0
231	231 3rd Function Hexa-PCBs				0.774	5.522	0.00		0.00		NO	3705	10,872 ✓	10.0	3705
232	232 4th Function Hexa-PCBs				0.972	5.522	0.00		0.00		NO	7167		20.2	7171
233	233 Total Hepta-PCBs				1.26	5.522	0.00		0.00		NO	6546		27.5	6546
234	234 4th Function Octa-PCBs				0.886	5.522	0.00		0.00		NO	1060	1,599.4 ✓	15.3	1060
235	235 5th Function Octa-PCBs				1.20	5.522	0.00		0.00		NO	539.4		3.33	539.4

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.945	5.522	0.00		0.00		NO	279.5		2.24	279.5
237	237 Deca-CB				0.943	5.522	0.00		0.00		NO	238.6		0.783	238.6
238	238 Total PCBs														

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
 Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

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Total Mono-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	3 PCB-3	1.38e4	1.02e6	2.979	NO	18.17	18.17	24.29	24.29
2	2 PCB-2	9.98e3	1.02e6	2.753	NO	17.94	17.94	17.49	17.49
3	1 PCB-1	1.45e4	9.55e5	2.782	NO	15.52	15.53	26.99	26.99

Total Di-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	11 PCB-15	1.58e5	1.17e6	1.604	NO	25.56	25.54	237.7	237.7
2	10 PCB-12/13	3.28e4	1.17e6	1.525	NO	25.26	25.22	48.88	48.88
3	9 PCB-11	5.48e4	1.17e6	1.578	NO	24.83	24.83	77.32	77.32
4	7 PCB-5/8	2.29e5	1.22e6	1.554	NO	22.45	22.44	335.7	335.7
5	6 PCB-6	5.88e4	1.22e6	1.591	NO	22.04	22.04	85.88	85.88
6	5 PCB-7/9	2.09e4	1.22e6	1.495	NO	21.39	21.36	31.74	31.74
7	4 PCB-4/10	4.50e4	7.11e5	1.513	NO	19.59	19.53	89.79	89.79

2nd Function Tri-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	17 PCB-16/32	2.63e5	9.02e5	0.987	NO	26.76	26.76	665.3	665.3
2	16 PCB-24/27	3.36e4	9.02e5	0.966	NO	26.23	26.20	73.87	73.87
3	15 PCB-17	1.89e5	9.02e5	0.974	NO	25.62	25.63	568.3	568.3
4	14 PCB-18	2.86e5	9.02e5	0.971	NO	25.46	25.47	828.4	828.4
5	13 PCB-30	4.23e2	5.98e5	1.179	NO	24.67	24.70	0.8656	0.8656
6	12 PCB-19	2.80e4	5.98e5	0.981	NO	23.78	23.77	90.90	90.90

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-5.qld

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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

3rd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	28 PCB-39	6.66e3	9.97e5	1.093	NO	31.00	30.98	11.15	11.15
2	27 PCB-36	1.92e3	9.97e5	1.204	YES	30.53	30.51	0.0000	2.748
3	26 PCB-22	2.78e5	1.05e6	1.044	NO	29.86	29.86	462.4	462.4
4	25 PCB-20/21/33	5.22e5	1.05e6	1.044	NO	29.39	29.43	894.4	894.4
5	24 PCB-28	1.07e6	1.05e6	1.063	NO	28.76	28.78	1671	1671
6	23 PCB-31	1.06e6	1.05e6	1.029	NO	28.68	28.67	1622	1622
7	22 PCB-25	1.47e5	1.05e6	1.052	NO	28.31	28.30	257.8	257.8
8	21 PCB-26	2.30e5	1.05e6	1.051	NO	28.14	28.15	395.1	395.1
9	20 PCB-29	3.51e3	1.05e6	0.986	NO	27.93	27.93	6.332	6.332
10	18 PCB-34	1.40e4	1.05e6	1.028	NO	27.57	27.57	24.31	24.31
11	31 PCB-37	2.42e5	9.97e5	1.071	NO	32.80	32.78	396.6	396.6
12	30 PCB-35	1.45e4	9.97e5	1.110	NO	32.35	32.36	23.28	23.28
13	29 PCB-38	8.07e3	9.97e5	1.148	NO	31.80	31.82	12.99	12.99
14	19 PCB-23	4.34e2	1.05e6	1.069	NO	27.66	27.65	0.7659	0.7659

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Total Tetra-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	36 PCB-45	8.55e4	6.36e5	0.746	NO	30.29	30.27	301.1	301.1
2	35 PCB-51	3.76e4	6.36e5	0.746	NO	29.84	29.84	104.5	104.5
3	34 PCB-53	1.01e5	6.36e5	0.727	NO	29.49	29.49	301.9	301.9
4	33 PCB-50	2.83e3	7.82e5	0.669	NO	28.81	28.82	8.396	8.396
5	32 PCB-54	3.52e3	7.82e5	0.799	NO	27.61	27.61	8.196	8.196
6	54 PCB-74	3.56e5	7.55e5	0.714	NO	35.21	35.20	801.2	801.2
7	53 PCB-63	2.74e4	7.55e5	0.716	NO	34.92	34.91	68.32	68.32
8	52 PCB-58	6.52e3	7.55e5	0.723	NO	34.77	34.76	14.06	14.06
9	51 PCB-67	2.67e4	7.55e5	0.722	NO	34.64	34.63	64.49	64.49
10	50 PCB-57	4.40e3	7.55e5	0.692	NO	34.31	34.31	10.07	10.07
11	49 PCB-40	6.83e4	6.80e5	0.725	NO	33.97	33.94	315.5	315.5
12	48 PCB-68	1.12e4	6.80e5	0.749	NO	33.74	33.72	26.92	26.92
13	47 PCB-41/64/71/72	5.74e5	6.80e5	0.742	NO	33.48	33.45	1412	1412
14	46 PCB-42/59	2.28e5	6.80e5	0.733	NO	32.86	32.86	632.3	632.3
15	45 PCB-44	5.38e5	6.80e5	0.736	NO	32.64	32.64	1882	1882
16	42 PCB-48/75	1.59e5	6.80e5	0.734	NO	31.93	31.93	414.4	414.4
17	41 PCB-47	2.41e5	6.80e5	0.721	NO	31.82	31.82	737.4	737.4
18	40 PCB-43/49	6.38e5	6.36e5	0.726	NO	31.58	31.59	1933	1933
19	38 PCB-52/69	8.56e5	6.36e5	0.729	NO	31.30	31.28	2233	2233
20	37 PCB-46	3.50e4	6.36e5	0.732	NO	30.79	30.79	132.1	132.1
21	63 PCB-77	6.14e4	6.17e5	0.702	NO	39.67	39.67	174.4	174.4
22	62 PCB-81	4.85e3	6.81e5	0.667	NO	39.06	39.11	13.83	13.83
23	61 PCB-78	2.19e3	6.81e5	0.861	NO	38.52	38.46	5.635	5.635
24	60 PCB-79	1.27e4	7.81e5	0.806	NO	37.80	37.81	28.08	28.08
25	59 PCB-56/60	4.30e5	7.81e5	0.724	NO	36.68	36.69	1067	1067
26	58 PCB-55	7.05e3	7.81e5	0.657	NO	36.18	36.15	15.29	15.29
27	56 PCB-76/66	9.12e5	7.55e5	0.725	NO	35.59	35.63	2051	2051
28	55 PCB-61/70	1.06e6	7.55e5	0.731	NO	35.43	35.43	2571	2571
29	39 PCB-73	2.05e3	6.36e5	0.771	NO	31.42	31.39	4.529	4.529

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3rd Function Penta-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	71 PCB-88/91	9.11e4	4.52e5	1.581	NO	36.13	36.13	410.3	410.3
2	69 PCB-95/98/102	4.30e5	4.52e5	1.531	NO	35.66	35.72	1700	1700
3	68 PCB-94	2.81e3	4.52e5	1.783	NO	35.19	35.17	14.56	14.56
4	67 PCB-100	6.23e3	5.50e5	1.428	NO	34.72	34.68	26.40	26.40
5	66 PCB-103	1.25e4	5.50e5	1.589	NO	34.35	34.33	53.19	53.19
6	65 PCB-96	6.85e3	5.50e5	1.335	NO	33.78	33.75	22.67	22.67
7	64 PCB-104	5.10e2	5.50e5	1.734	NO	32.49	32.49	1.689	1.689
8	87 PCB-110	6.29e5	3.44e5	1.510	NO	39.79	39.78	2230	2230
9	86 PCB-120	3.51e3	3.44e5	1.594	NO	39.65	39.65	11.00	11.00
10	85 PCB-85/116	6.63e4	3.44e5	1.547	NO	39.38	39.37	287.2	287.2
11	84 PCB-111/115	7.11e3	3.44e5	1.596	NO	39.26	39.26	23.41	23.41
12	83 PCB-87/117/125	1.48e5	3.44e5	1.497	NO	39.09	39.11	585.5	585.5
13	81 PCB-97	1.40e5	3.44e5	1.553	NO	38.83	38.81	687.6	687.6
14	80 PCB-83	1.27e2	3.44e5	0.816	YES	38.62	38.61	0.0000	0.3185
15	79 PCB-108/112	2.45e4	3.44e5	1.556	NO	38.45	38.46	103.5	103.5
16	78 PCB-119	2.57e4	3.44e5	1.565	NO	38.29	38.29	92.04	92.04
17	77 PCB-99	2.71e5	3.88e5	1.519	NO	37.82	37.81	1129	1129
18	75 PCB-90/101	5.38e5	3.88e5	1.509	NO	37.47	37.47	2657	2657
19	74 PCB-89	5.65e3	3.88e5	1.735	NO	37.30	37.27	27.46	27.46
20	73 PCB-84/92	2.20e5	3.88e5	1.524	NO	37.09	37.08	1171	1171
21	92 PCB-106/118	4.33e5	4.23e5	1.485	NO	41.66	41.66	1731	1731
22	91 PCB-123	5.52e3	4.16e5	1.328	NO	41.46	41.46	23.06	23.06
23	90 PCB-107/109	3.77e4	4.16e5	1.474	NO	41.29	41.31	140.7	140.7
24	89 PCB-124	1.58e4	4.16e5	1.537	NO	41.15	41.14	59.02	59.02
25	88 PCB-82	3.65e4	4.16e5	1.503	NO	40.41	40.43	235.5	235.5
26	82 PCB-86	1.19e3	3.44e5	1.000	YES	38.98	38.96	0.0000	5.155
27	76 PCB-113	1.74e3	3.88e5	1.657	NO	37.72	37.72	6.609	6.609

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4th Function Penta-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	97 PCB-126	2.87e3	4.86e5	1.698	NO	45.52	45.52	8.832	8.832
2	95 PCB-105	1.74e5	5.46e5	1.594	NO	43.21	43.21	524.7	524.7
3	94 PCB-122	5.79e3	5.54e5	1.401	NO	42.45	42.47	19.44	19.44
4	93 PCB-114	1.14e4	5.54e5	1.493	NO	42.32	42.32	31.98	31.98

3rd Function Hexa-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	102 PCB-136	5.99e4	3.22e5	1.257	NO	39.58	39.58	399.9	399.9
2	100 PCB-152	4.40e2	3.22e5	1.272	NO	38.78	38.78	2.466	2.466
3	99 PCB-150	1.64e3	3.22e5	1.058	NO	38.29	38.29	10.50	10.50
4	98 PCB-155	1.72e2	3.22e5	1.367	NO	36.99	36.97	1.110	1.110
5	110 PCB-140	2.69e3	3.22e5	1.261	NO	41.78	41.79	24.16	24.16
6	109 PCB-139/149	2.71e5	3.22e5	1.254	NO	41.59	41.59	2066	2066
7	108 PCB-147	5.89e3	3.22e5	1.312	NO	41.31	41.35	50.15	50.15
8	107 PCB-144	1.18e4	3.22e5	1.334	NO	41.18	41.20	99.68	99.68
9	106 PCB-135	4.11e4	3.22e5	1.235	NO	41.08	41.08	323.1	323.1
10	105 PCB-151	7.27e4	3.22e5	1.257	NO	40.85	40.86	647.8	647.8
11	104 PCB-154	9.30e3	3.22e5	1.144	NO	40.18	40.21	72.38	72.38
12	103 PCB-148	9.97e2	3.22e5	1.390	NO	39.69	39.67	8.094	8.094

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4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	124 PCB-166	1.49e3	4.16e5	1.075	NO	46.00	45.99	6.074	6.074
2	123 PCB-129	1.15e4	3.64e5	1.168	NO	45.52	45.52	69.52	69.52
3	122 PCB-158/160	4.33e4	3.64e5	1.184	NO	45.27	45.26	182.5	182.5
4	121 PCB-138/163/164	5.35e5	3.64e5	1.207	NO	45.03	45.03	2168	2168
5	120 PCB-130	2.46e4	3.60e5	1.128	NO	44.63	44.65	147.3	147.3
6	119 PCB-137	1.45e4	3.60e5	1.176	NO	44.52	44.53	73.78	73.78
7	118 PCB-141	8.27e4	3.60e5	1.186	NO	44.14	44.14	430.2	430.2
8	117 PCB-168	1.10e3	4.50e5	0.884	YES	43.61	43.61	0.0000	3.691
9	116 PCB-153	5.81e5	4.50e5	1.196	NO	43.38	43.38	2312	2312
10	115 PCB-132/161	1.39e5	4.50e5	1.160	NO	43.20	43.25	576.4	576.4
11	114 PCB-146/165	1.03e5	4.50e5	1.192	NO	42.96	42.98	431.7	431.7
12	112 PCB-131/133	1.36e4	4.50e5	1.171	NO	42.56	42.56	69.50	69.50
13	111 PCB-134/143	2.10e4	4.50e5	1.201	NO	42.27	42.26	115.1	115.1
14	129 PCB-157	7.25e3	4.04e5	1.172	NO	48.67	48.65	33.23	33.23
15	128 PCB-156	4.37e4	3.97e5	1.202	NO	48.36	48.38	188.8	188.8
16	127 PCB-167	1.73e4	4.17e5	1.148	NO	47.04	47.06	72.06	72.06
17	126 PCB-128/162	5.69e4	4.16e5	1.208	NO	46.62	46.62	291.0	291.0

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Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	137 PCB-175	5.14e3	3.50e5	1.023	NO	46.22	46.24	31.36	31.36
2	136 PCB-178	2.61e4	3.50e5	1.046	NO	45.86	45.88	162.8	162.8
3	134 PCB-176	2.30e4	3.50e5	1.048	NO	44.74	44.74	102.8	102.8
4	133 PCB-179	8.51e4	3.50e5	1.035	NO	44.27	44.25	374.4	374.4
5	132 PCB-184	4.02e2	3.50e5	1.007	NO	43.46	43.47	1.781	1.781
6	131 PCB-188	3.82e2	3.50e5	1.039	NO	43.02	43.02	1.655	1.655
7	151 PCB-170	8.74e4	1.66e5	1.017	NO	51.38	51.38	700.9	700.9
8	150 PCB-191	4.25e3	2.07e5	1.092	NO	50.18	50.18	23.60	23.60
9	149 PCB-193	1.52e4	2.07e5	1.039	NO	49.94	49.92	86.56	86.56
10	148 PCB-180	2.62e5	2.07e5	1.025	NO	49.71	49.71	1737	1737
11	146 PCB-172	1.77e4	2.07e5	1.006	NO	49.31	49.29	118.5	118.5
12	145 PCB-173	2.14e3	2.07e5	1.118	NO	48.82	48.82	16.37	16.37
13	144 PCB-171	3.04e4	2.07e5	1.049	NO	48.39	48.38	213.9	213.9
14	143 PCB-177	6.92e4	2.07e5	1.046	NO	48.09	48.08	487.4	487.4
15	141 PCB-174	1.25e5	2.07e5	1.025	NO	47.82	47.79	894.1	894.1
16	140 PCB-185	1.42e4	2.07e5	1.077	NO	47.45	47.42	94.06	94.06
17	139 PCB-183	7.21e4	3.50e5	1.041	NO	46.75	46.75	390.1	390.1
18	138 PCB-182/187	1.75e5	3.50e5	1.034	NO	46.42	46.41	942.8	942.8
19	153 PCB-189	4.09e3	2.07e5	1.074	NO	53.12	53.12	26.82	26.82
20	152 PCB-190	2.36e4	1.66e5	1.091	NO	51.56	51.58	139.5	139.5

4th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	158 PCB-200	7.45e3	2.59e5	0.907	NO	50.51	50.50	54.55	54.55
2	157 PCB-197	2.45e3	2.59e5	0.872	NO	49.56	49.56	17.50	17.50
3	155 PCB-201	8.07e3	2.59e5	0.900	NO	49.10	49.08	61.58	61.58
4	154 PCB-202	1.36e4	2.59e5	0.905	NO	48.61	48.59	92.71	92.71
5	161 PCB-196/203	4.58e4	2.59e5	0.853	NO	52.50	52.51	408.0	408.0
6	160 PCB-199	4.12e4	2.59e5	0.874	NO	52.18	52.21	407.7	407.7
7	159 PCB-198	1.98e3	2.59e5	0.842	NO	52.06	52.08	18.49	18.49

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5th Function Octa-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	164 PCB-205	3.44e3	2.47e5	0.891	NO	55.00	55.01	18.01	18.01
2	163 PCB-194	5.85e4	2.47e5	0.910	NO	54.74	54.73	371.2	371.2
3	162 PCB-195	2.11e4	2.47e5	0.925	NO	53.82	53.81	150.2	150.2

Total Nona-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	167 PCB-206	1.94e4	1.83e5	1.247	NO	56.26	56.26	194.6	194.6
2	166 PCB-207	3.86e3	2.79e5	1.465	NO	54.28	54.29	27.46	27.46
3	165 PCB-208	8.27e3	2.79e5	1.295	NO	53.96	53.96	57.45	57.45

Deca-CB

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	168 PCB-209	2.24e4	1.81e5	1.261	NO	57.48	57.50	238.6	238.6

Total PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Total Mono-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	170 13C-PCB-3	1.02e6	1.36e6	3.074	NO	18.17	18.16	1255	
2	169 13C-PCB-1	9.55e5	1.36e6	2.895	NO	15.53	15.51	1184	

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Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	213 13C-PCB-15	1.36e6	1.36e6	1.578	NO	25.49	25.52	1811	
2	173 13C-PCB-11	1.17e6	1.36e6	1.582	NO	24.81	24.81	1612	
3	172 13C-PCB-9	1.22e6	1.36e6	1.602	NO	21.36	21.33	1637	
4	171 13C-PCB-4	7.11e5	1.36e6	1.587	NO	19.53	19.51	1485	

2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	175 13C-PCB-32	9.02e5	1.36e6	1.007	NO	26.76	26.74	1325	
2	174 13C-PCB-19	5.98e5	1.36e6	1.026	NO	23.77	23.75	1253	

3rd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	177 13C-PCB-37	9.97e5	1.29e6	0.974	NO	32.74	32.77	1458	
2	176 13C-PCB-28	1.05e6	1.29e6	0.958	NO	28.76	28.75	1381	
3	214 13C-PCB-31	1.29e6	1.29e6	0.971	NO	28.64	28.65	1811	

Tetra-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	178 13C-PCB-54	7.82e5	8.38e5	0.783	NO	27.60	27.59	1538	
2	215 13C-PCB-60	8.38e5	8.38e5	0.764	NO	36.66	36.67	1811	
3	182 13C-PCB-80	7.81e5	8.38e5	0.768	NO	35.84	35.84	1615	
4	181 13C-PCB-70	7.55e5	8.38e5	0.758	NO	35.41	35.41	1620	
5	180 13C-PCB-47	6.80e5	8.38e5	0.760	NO	31.78	31.80	1646	
6	179 13C-PCB-52	6.36e5	8.38e5	0.758	NO	31.26	31.26	1629	
7	184 13C-PCB-77	6.17e5	8.38e5	0.769	NO	39.65	39.65	1393	
8	183 13C-PCB-81	6.81e5	8.38e5	0.751	NO	39.04	39.04	1494	
9	220 13C-PCB-79	7.33e5	8.38e5	0.766	NO	37.77	37.77	1536	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-5.qld

Last Altered: Thursday, October 31, 2019 14:36:02 Pacific Daylight Time

Printed: Thursday, October 31, 2019 14:38:19 Pacific Daylight Time

Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

3rd Function Penta-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	185 13C-PCB-104	5.50e5	5.18e5	1.582	NO	32.45	32.47	1750	
2	216 13C-PCB-111	5.18e5	5.18e5	1.604	NO	39.22	39.24	1811	
3	188 13C-PCB-97	3.44e5	5.18e5	1.630	NO	38.79	38.79	1693	
4	187 13C-PCB-101	3.88e5	5.18e5	1.642	NO	37.44	37.46	1666	
5	186 13C-PCB-95	4.52e5	5.18e5	1.523	NO	35.70	35.71	1852	
6	190 13C-PCB-118	4.23e5	5.18e5	1.696	NO	41.62	41.62	1516	
7	189 13C-PCB-123	4.16e5	5.18e5	1.640	NO	41.44	41.44	1577	

4th Function Penta-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	192 13C-PCB-105	5.46e5	3.36e5	1.505	NO	43.19	43.19	1860	
2	191 13C-PCB-114	5.54e5	3.36e5	1.550	NO	42.30	42.30	1967	
3	194 13C-PCB-126	4.86e5	3.36e5	1.572	NO	45.50	45.50	1812	
4	193 13C-PCB-127	5.65e5	3.36e5	1.567	NO	43.53	43.55	1879	

4th Function Hexa-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	199 13C-PCB-159	4.16e5	3.36e5	1.269	NO	46.31	46.32	1566	
2	198 13C-PCB-138	3.64e5	3.36e5	1.229	NO	45.00	44.99	1665	
3	197 13C-PCB-141	3.60e5	3.36e5	1.298	NO	44.12	44.12	1700	
4	196 13C-PCB-153	4.50e5	3.36e5	1.270	NO	43.37	43.36	1703	
5	203 13C-PCB-169	3.41e5	3.36e5	1.264	NO	50.90	50.90	1367	
6	202 13C-PCB-157	4.04e5	3.36e5	1.289	NO	48.63	48.63	1550	
7	201 13C-PCB-156	3.97e5	3.36e5	1.243	NO	48.33	48.34	1532	
8	200 13C-PCB-167	4.17e5	3.36e5	1.275	NO	47.03	47.02	1579	
9	217 13C-PCB-128	3.36e5	3.36e5	1.276	NO	46.58	46.60	1811	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-5.qld

Last Altered: Thursday, October 31, 2019 14:36:02 Pacific Daylight Time

Printed: Thursday, October 31, 2019 14:38:19 Pacific Daylight Time

Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

5th Function Octa-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc.	EMPC
1	209 13C-PCB-194	2.47e5	3.46e5	0.884	NO	54.73	54.72	1811	
2	219 13C-PCB-205	3.46e5	3.46e5	0.890	NO	54.98	55.00	1811	

Dataset: Untitled

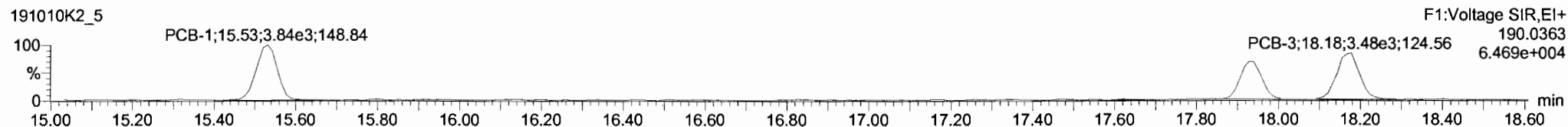
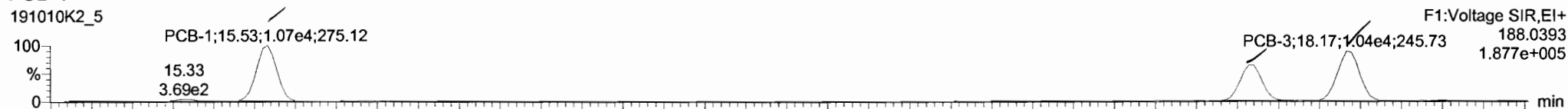
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

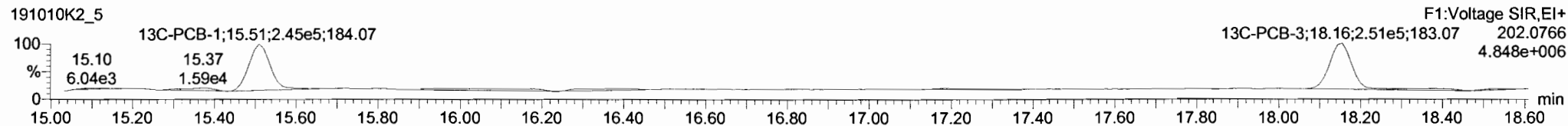
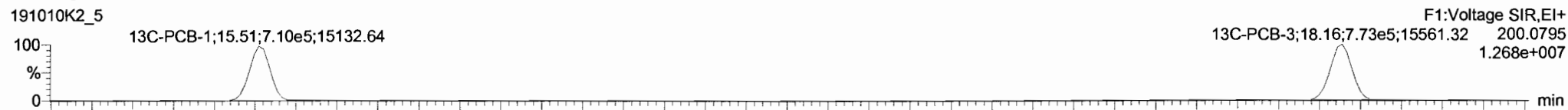
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Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

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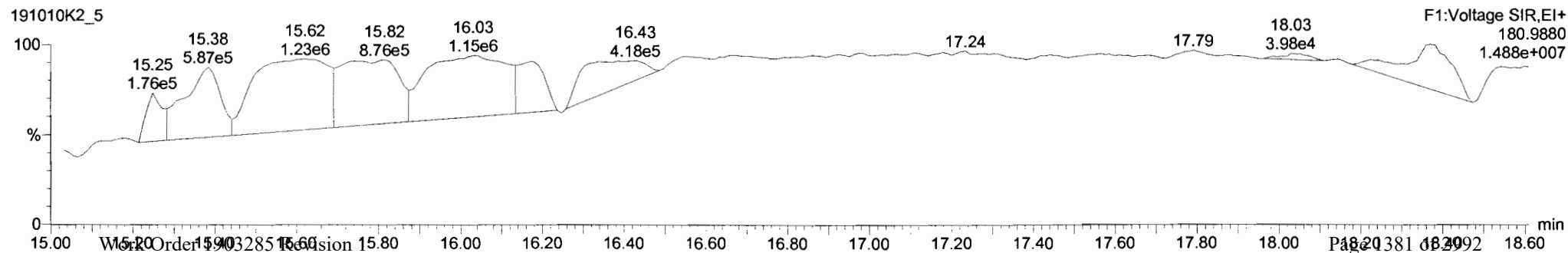
PCB-1



13C-PCB-1



PFK1

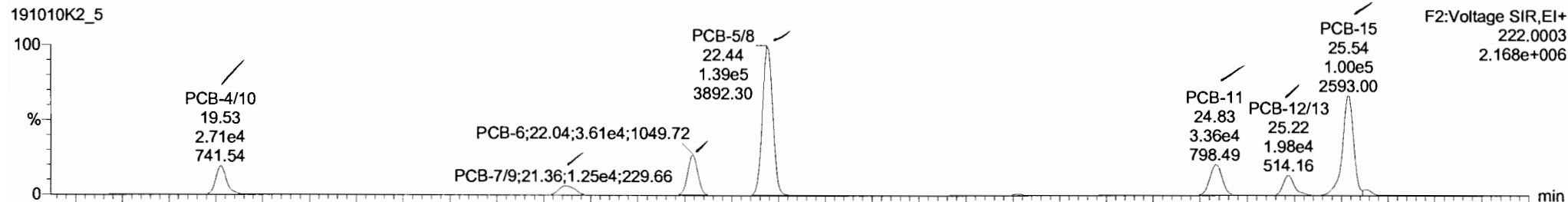


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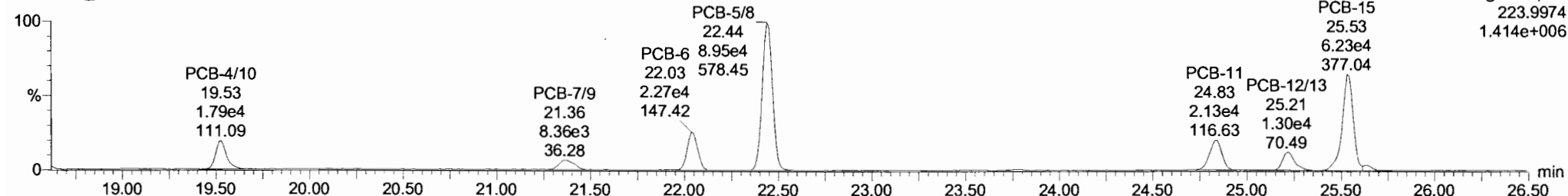
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Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

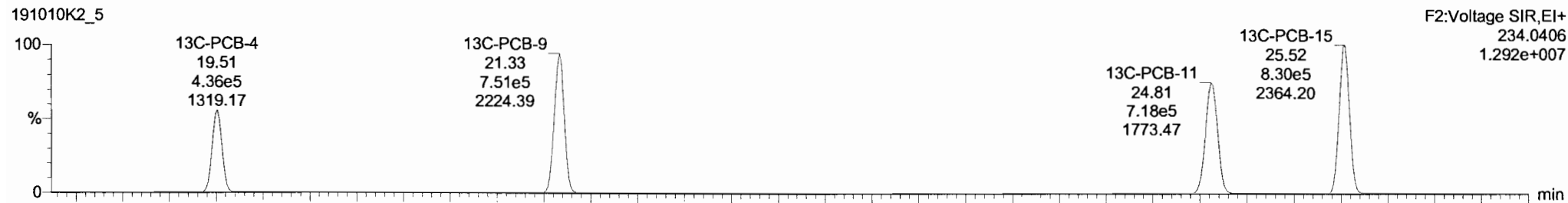
PCB-4/10



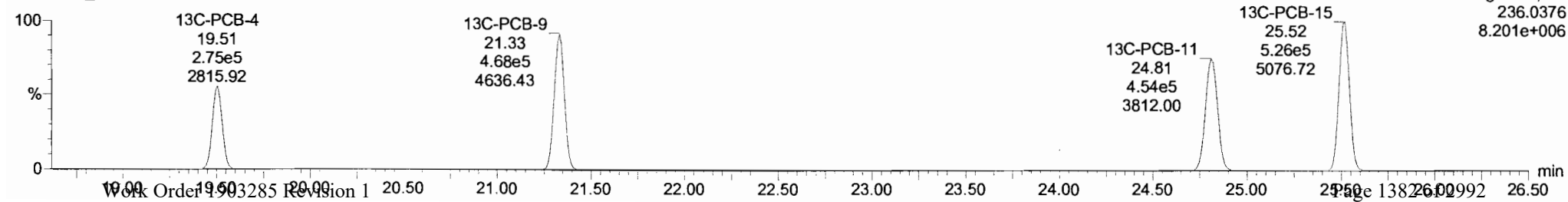
PCB-4/10

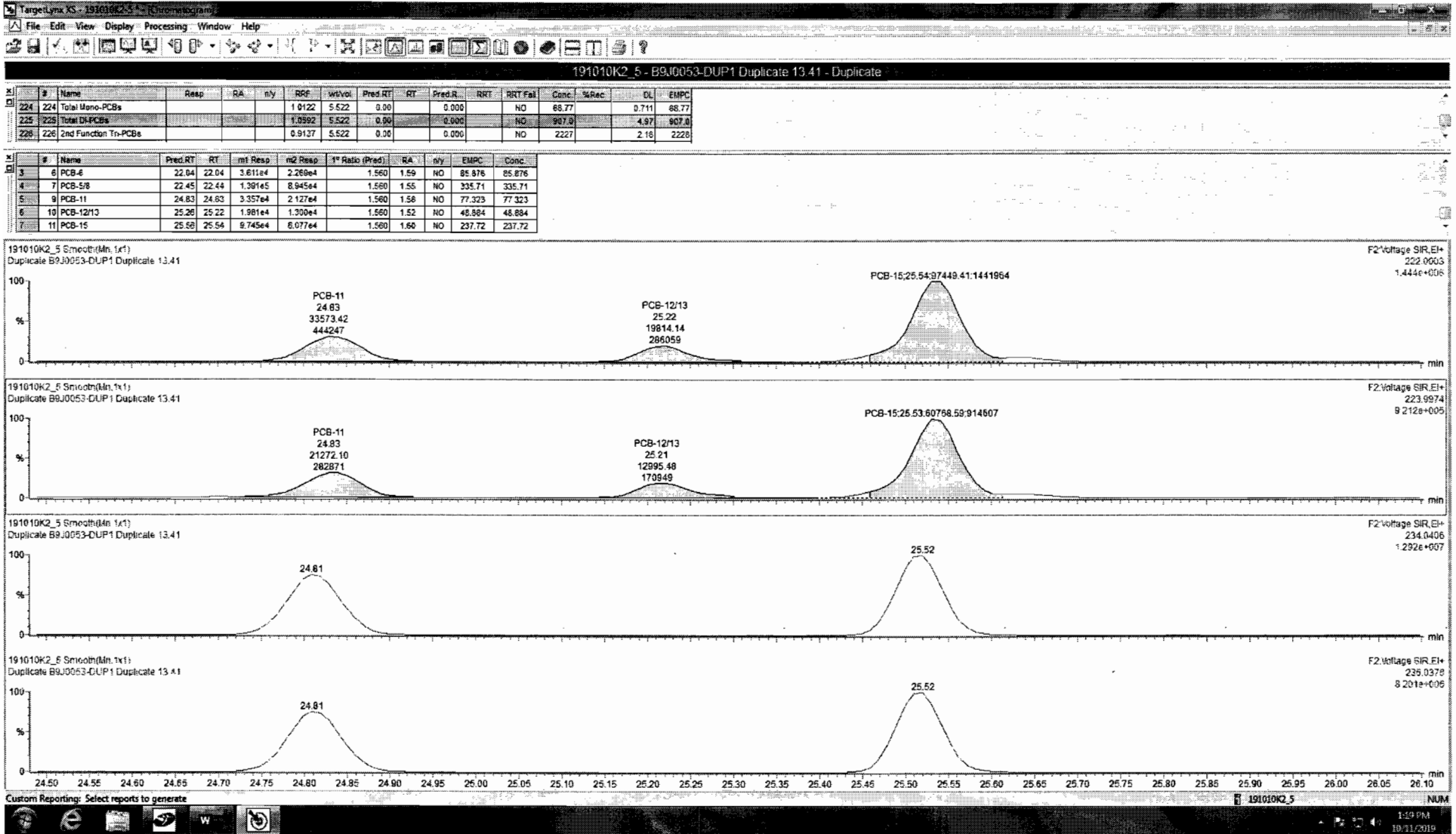


13C-PCB-4



13C-PCB-4



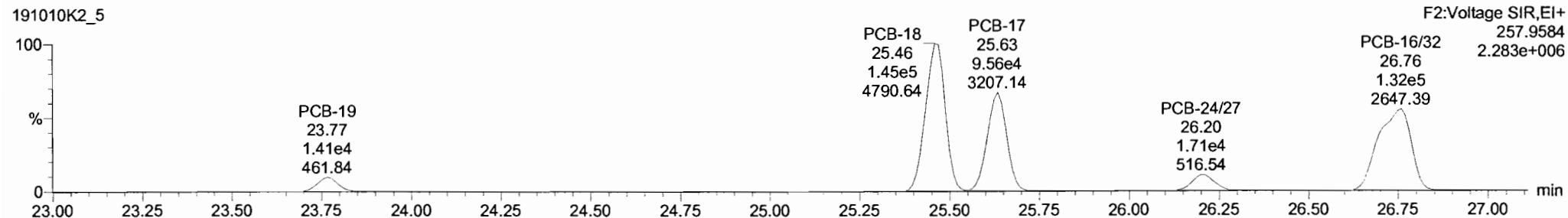
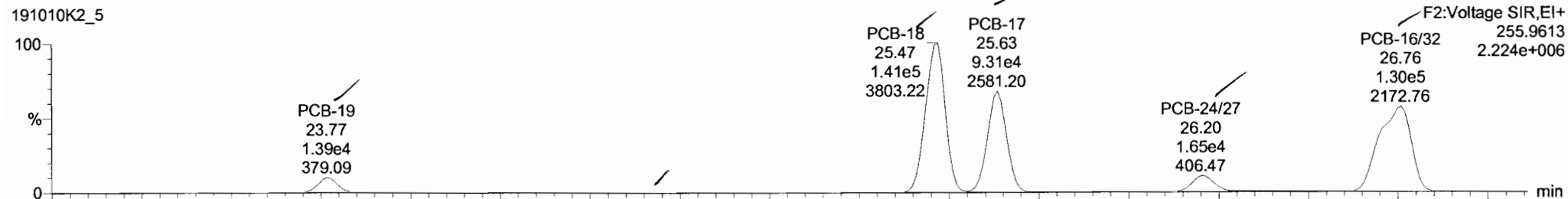


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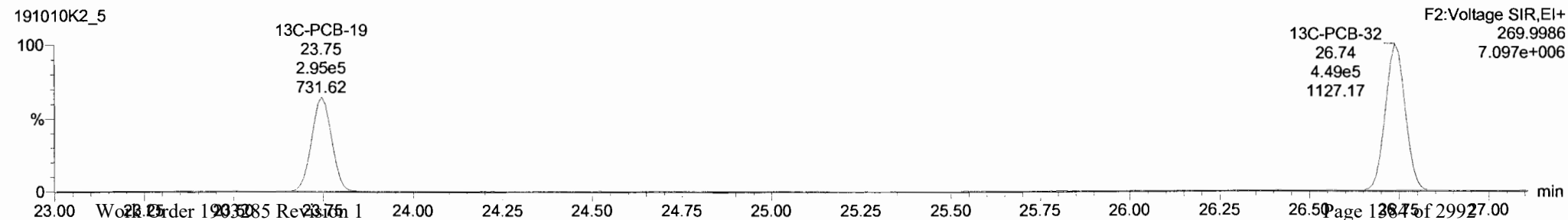
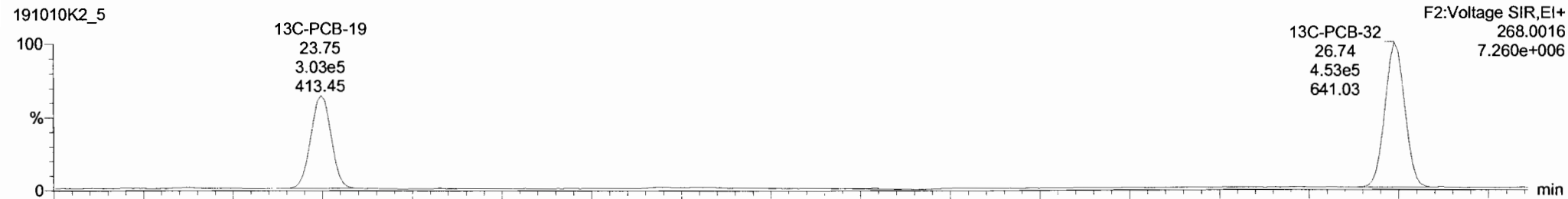
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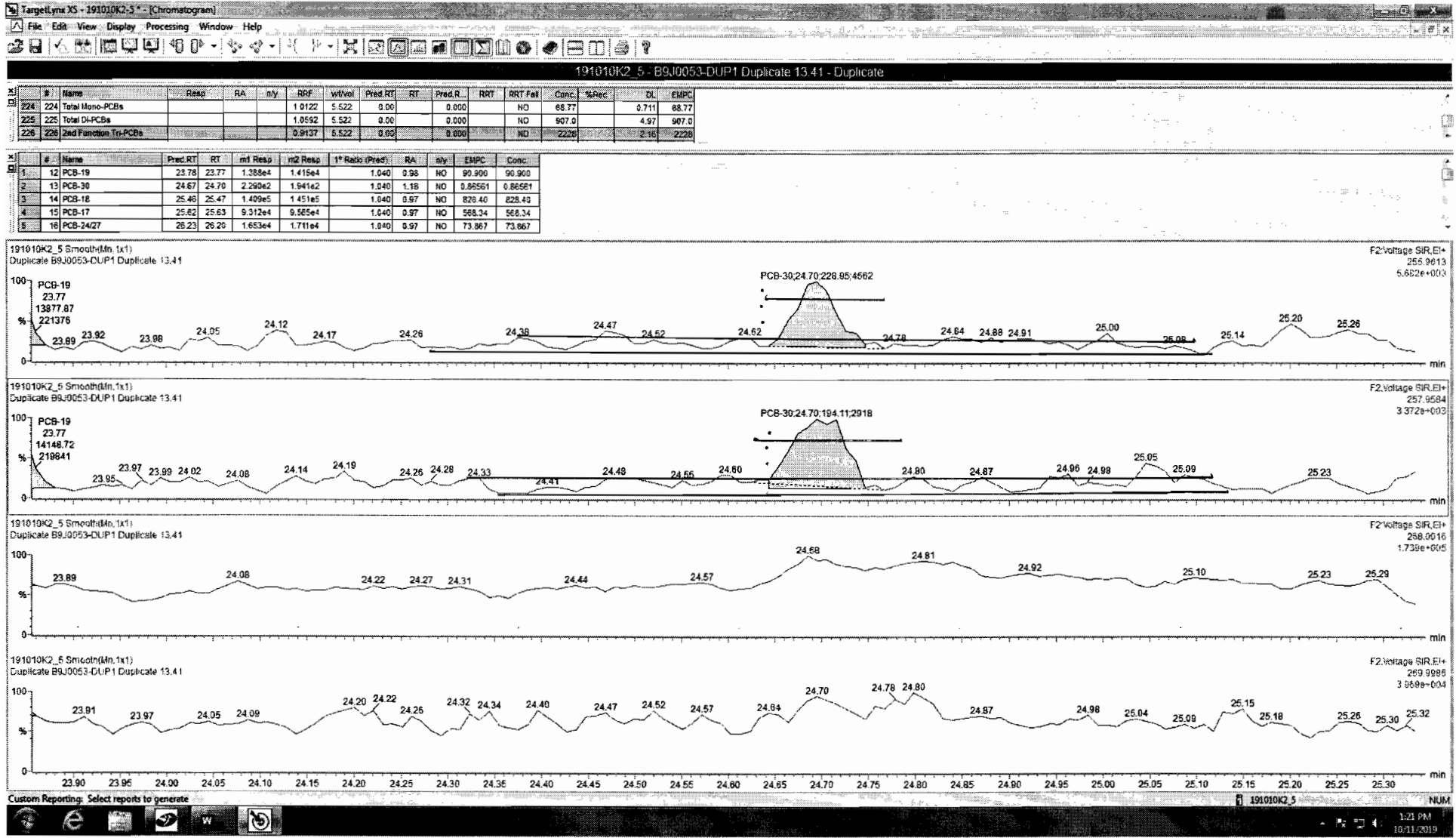
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PCB-19



13C-PCB-19





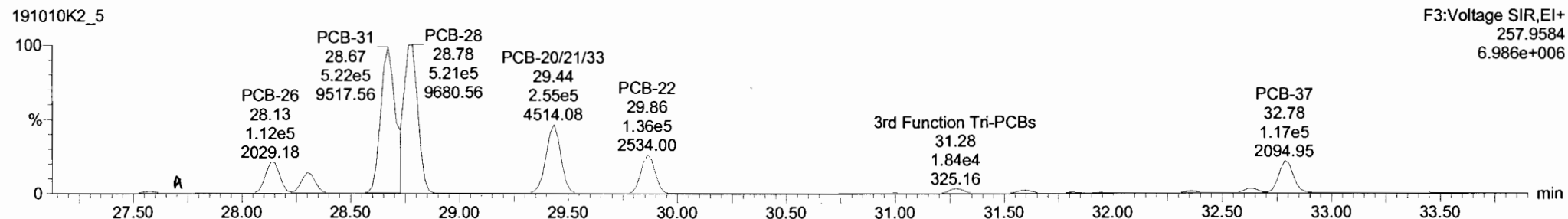
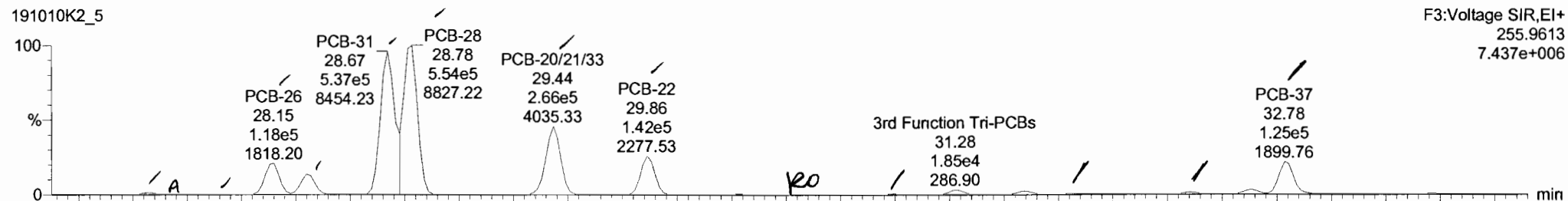
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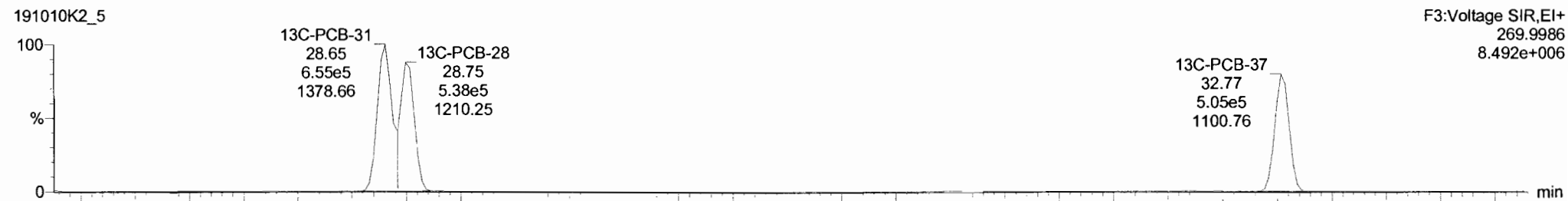
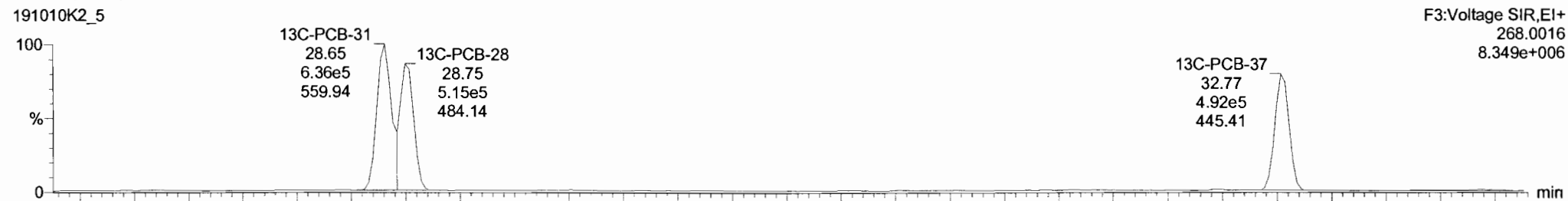
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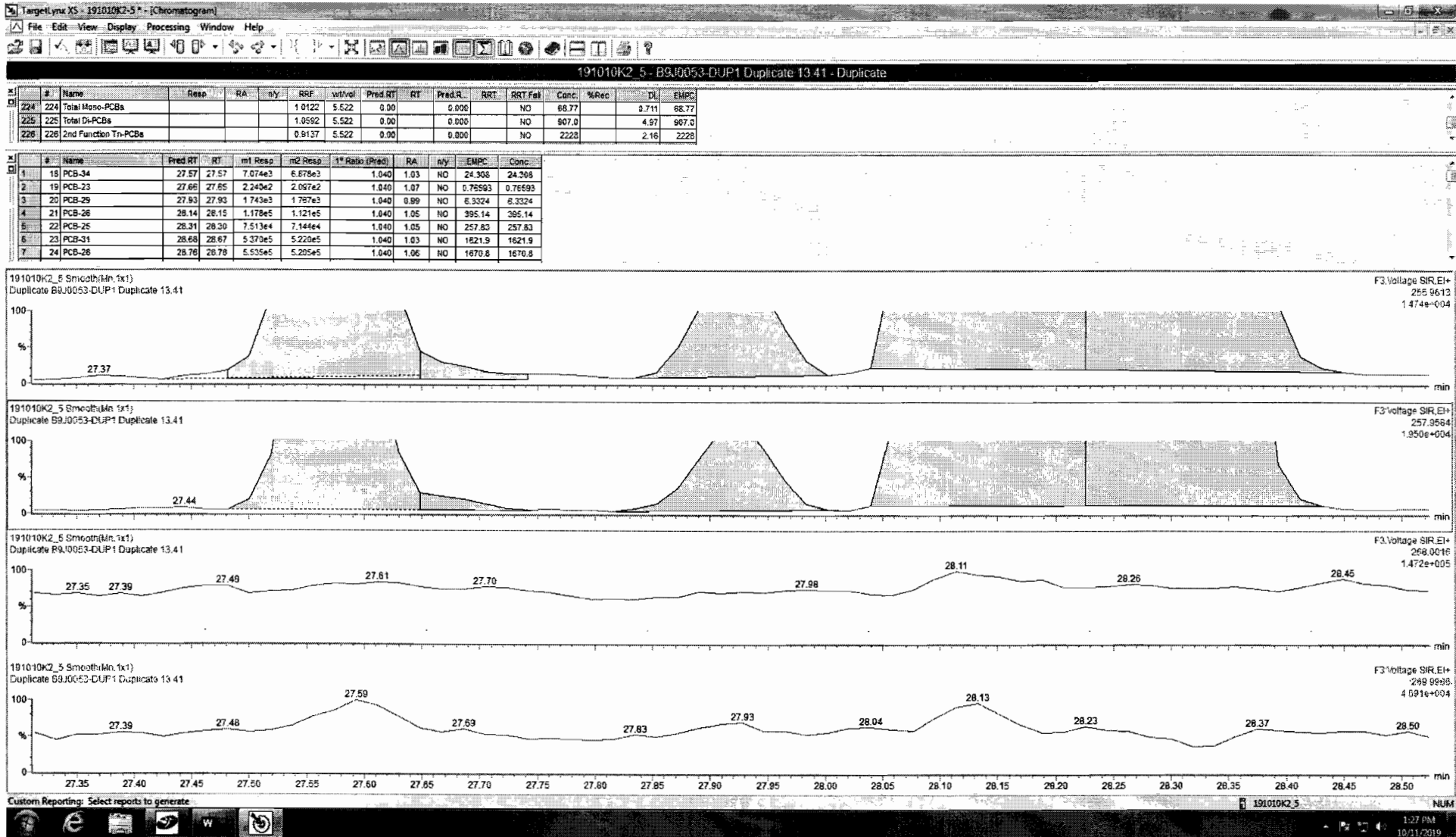
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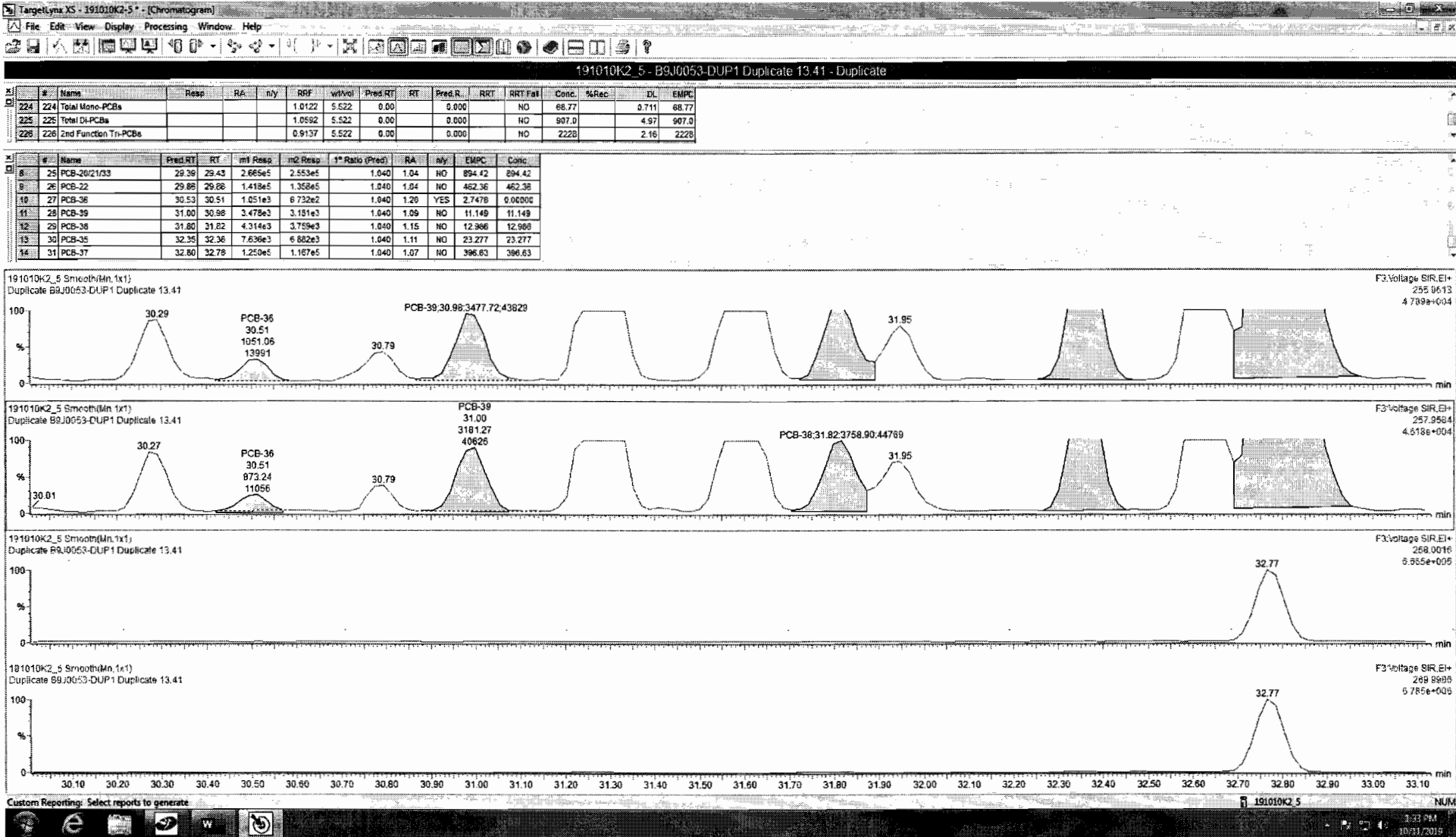
PCB-34



13C-PCB-28





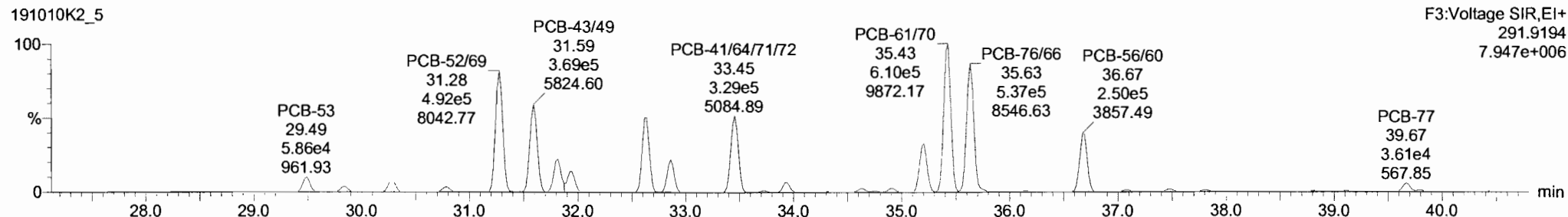
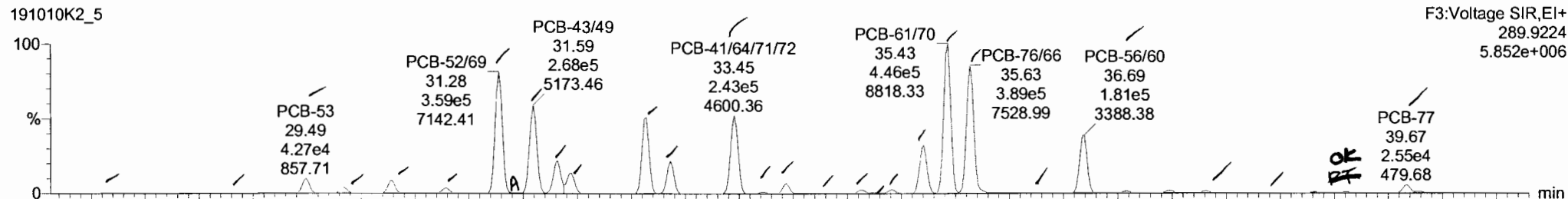


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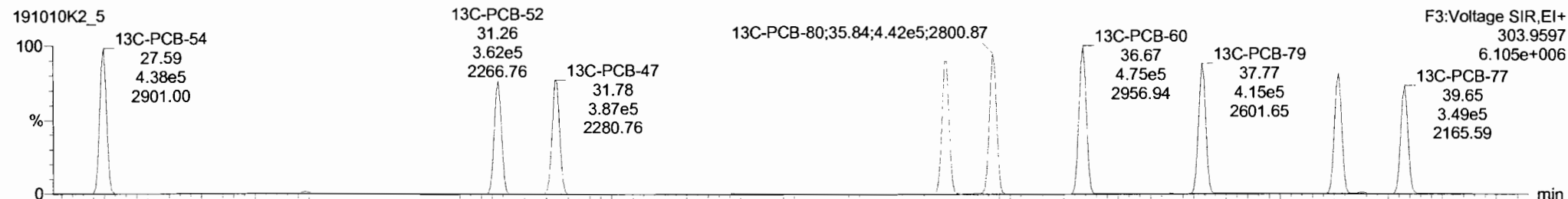
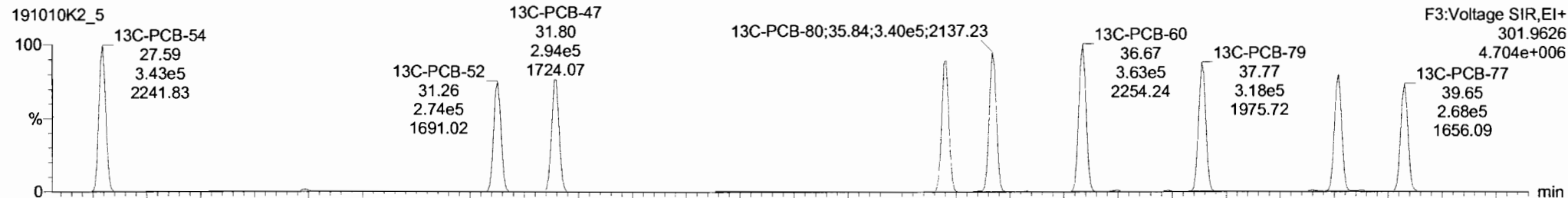
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

PCB-54



13C-PCB-54



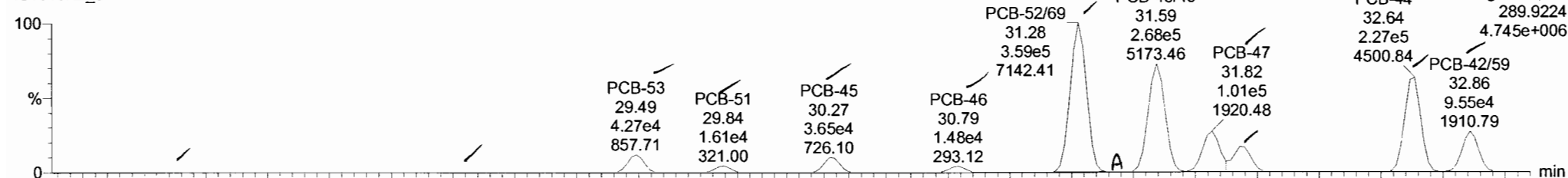
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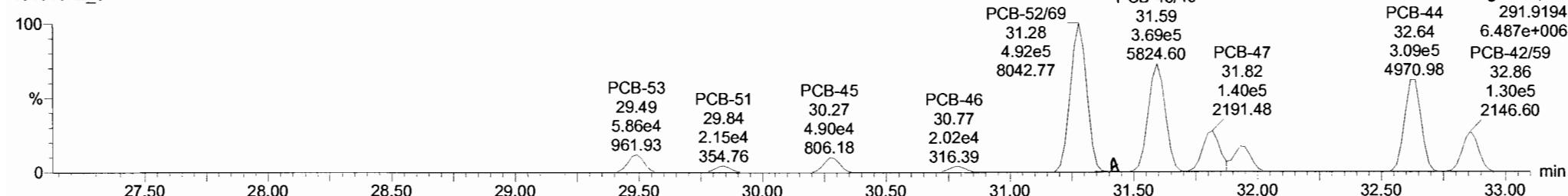
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PCB-50

191010K2_5

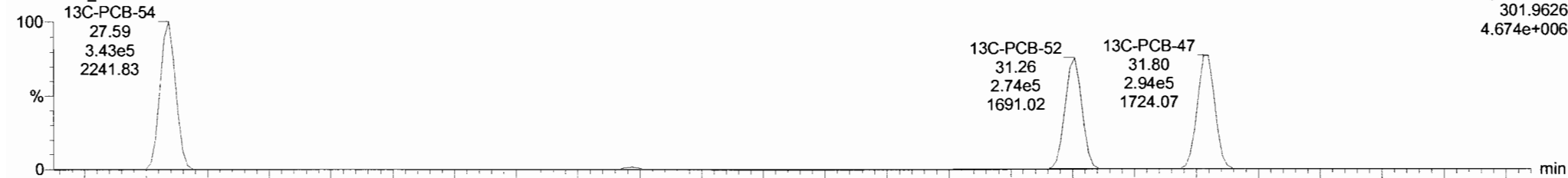


191010K2_5

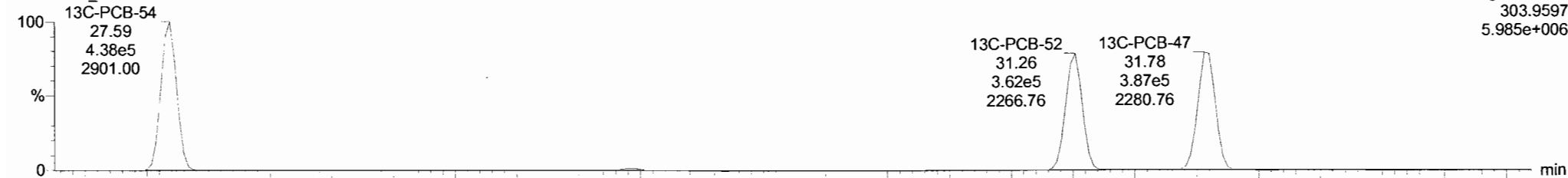


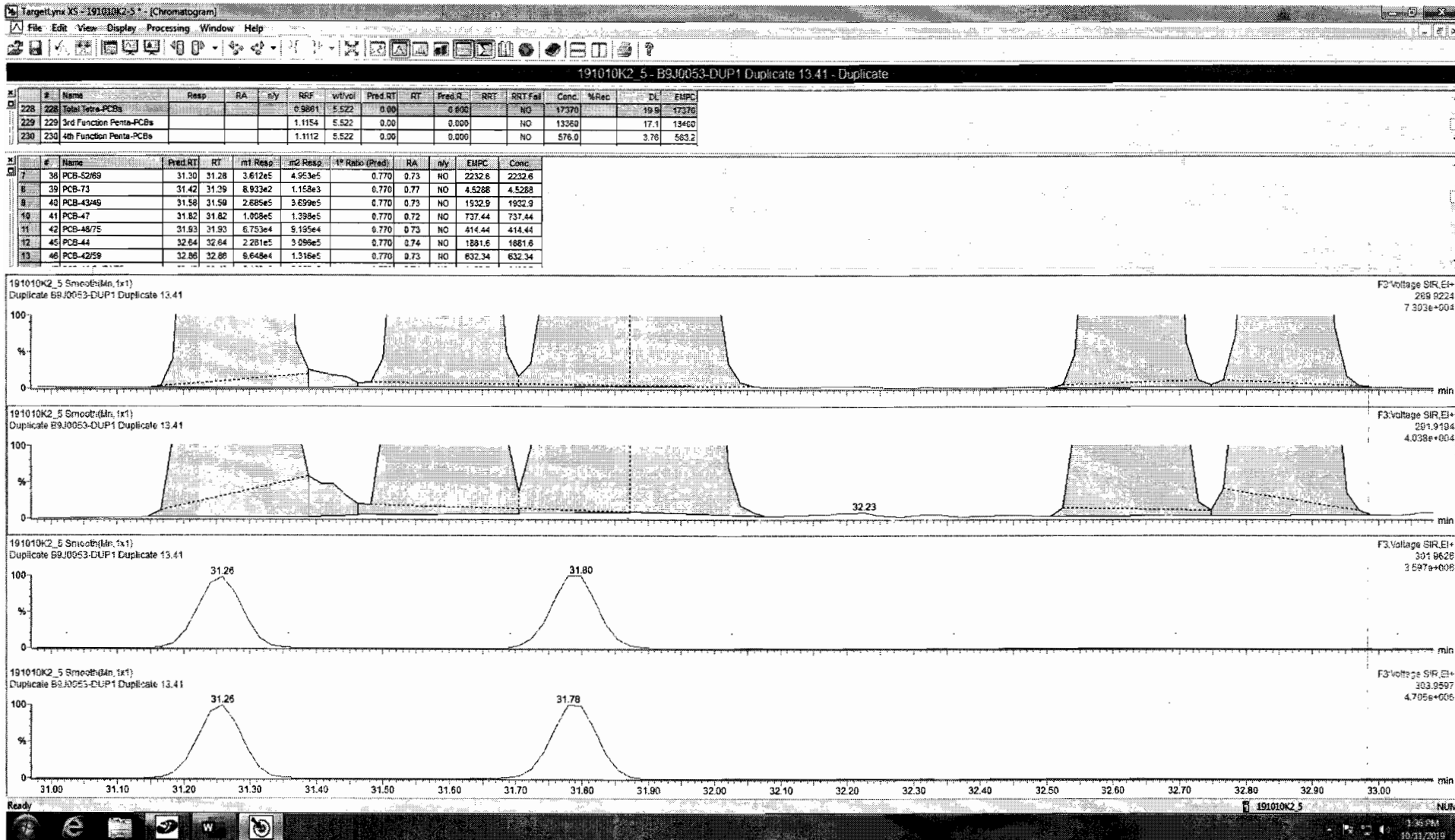
13C-PCB-52

191010K2_5



191010K2_5





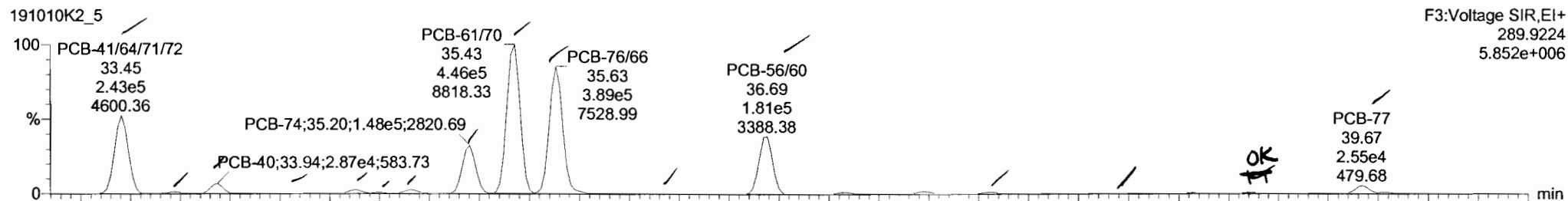
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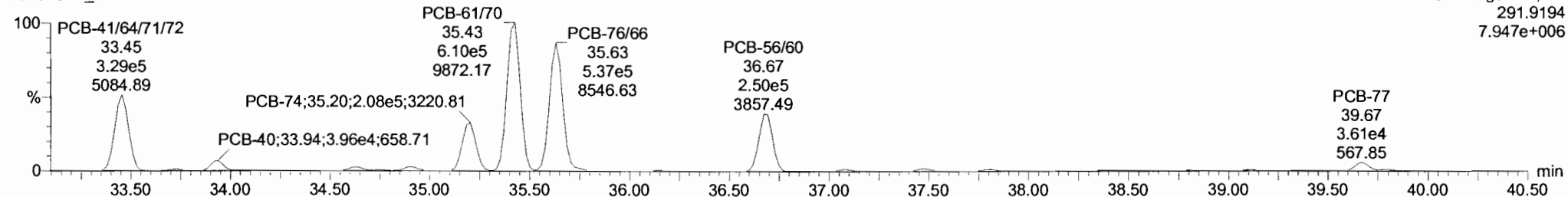
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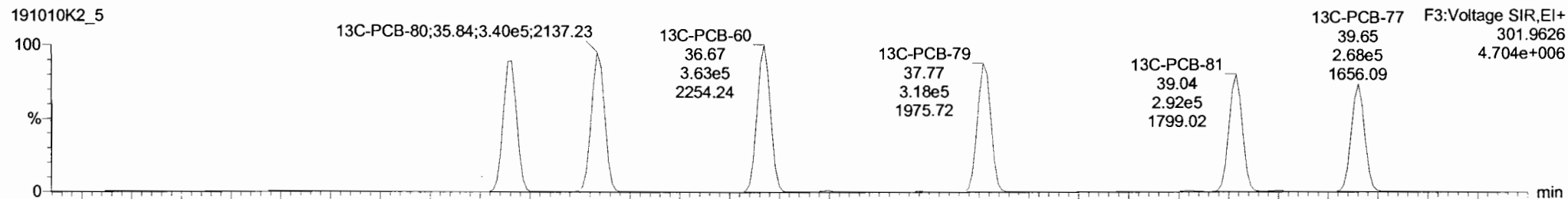
PCB-68



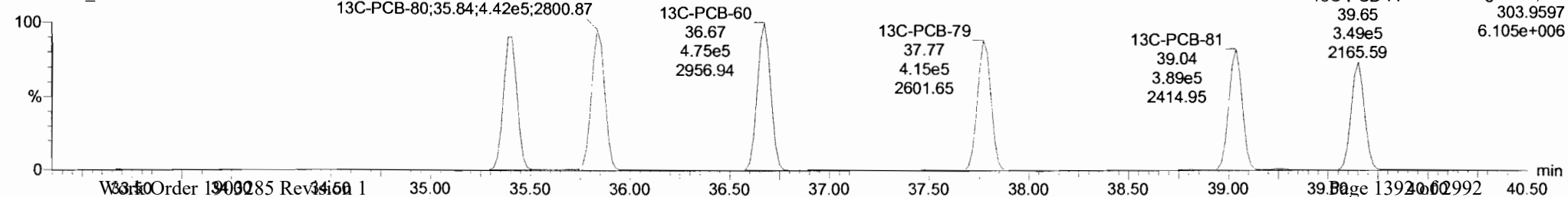
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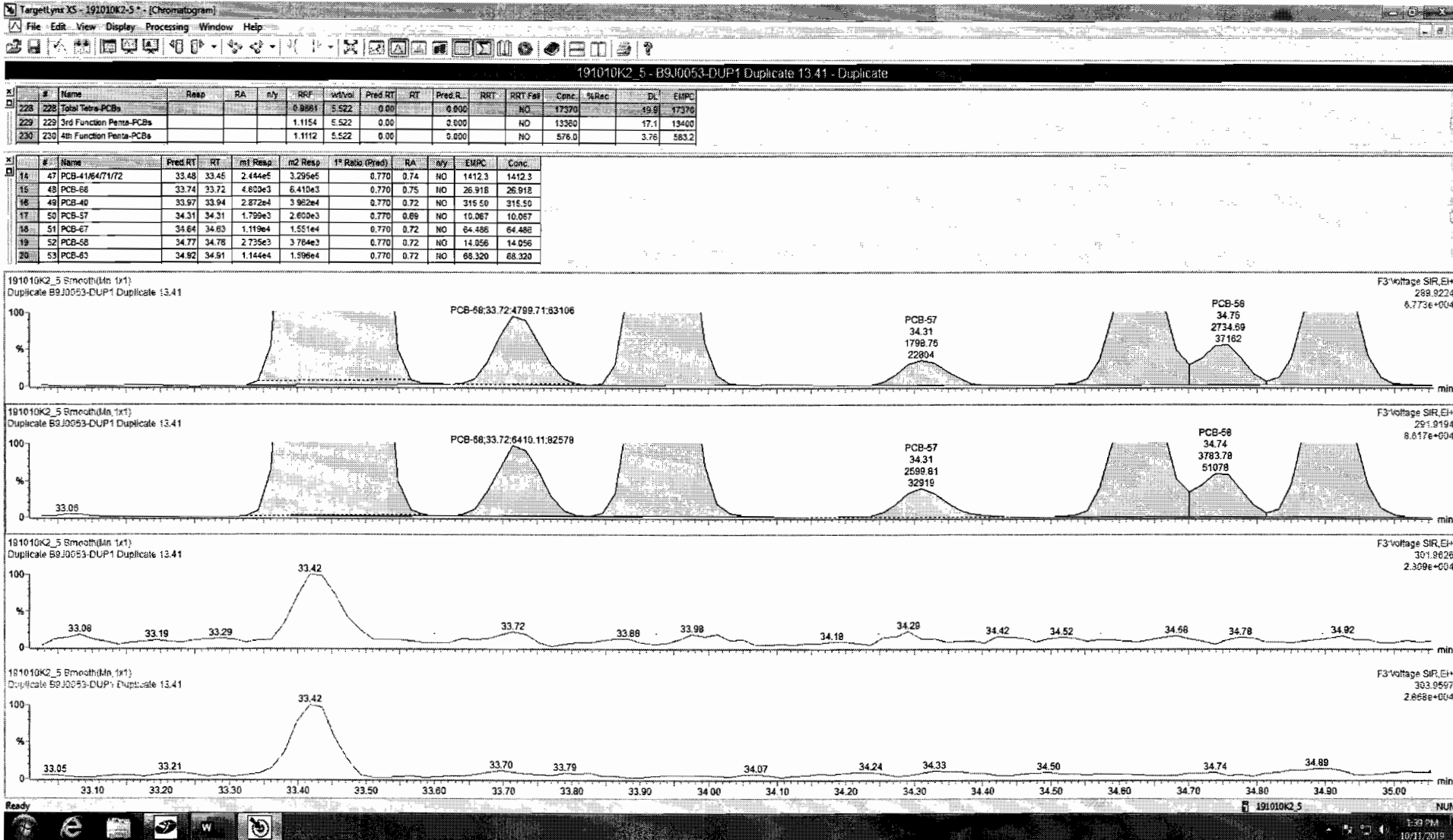


13C-PCB-60



191010K2_5

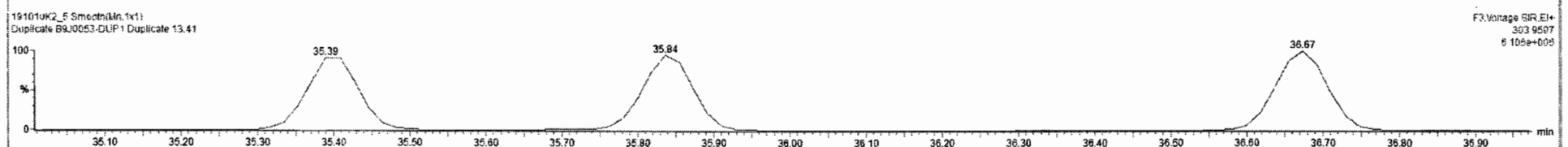
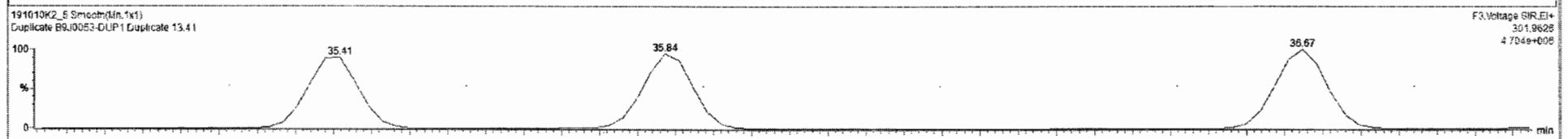
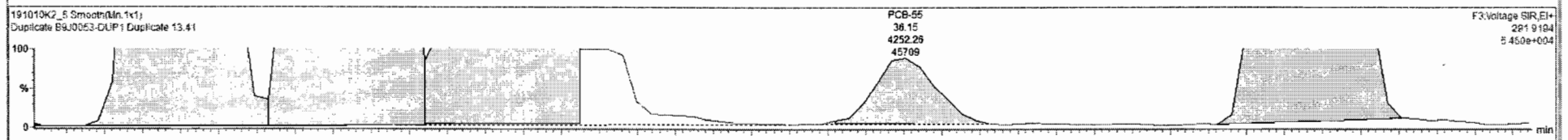
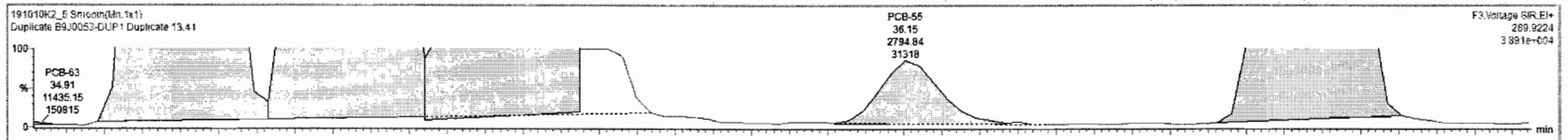




191010K2_5 - B9J0053-DUP1 Duplicate 13.41 - Duplicate

#	Name	Resp	RA	nly	RRF	wbval	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 Total Tetra-PCBs				0.9881	5.522	0.00		0.000		NO	17340		19.8	17340
229	229 3rd Function Penta-PCBs				1.1154	5.522	0.00		0.000		NO	13360		17.1	13400
230	230 4th Function Penta-PCBs				1.1112	5.522	0.00		0.000		NO	576.6		3.78	583.2

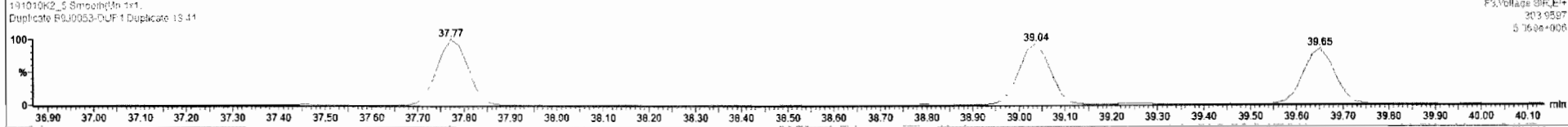
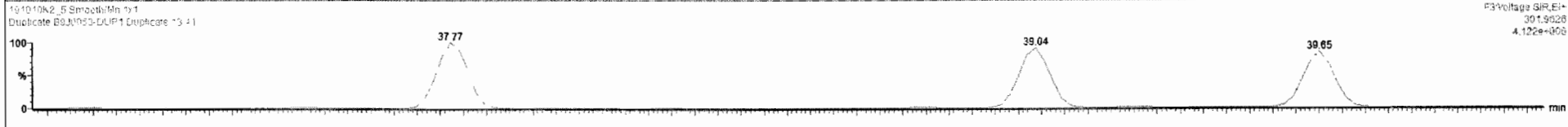
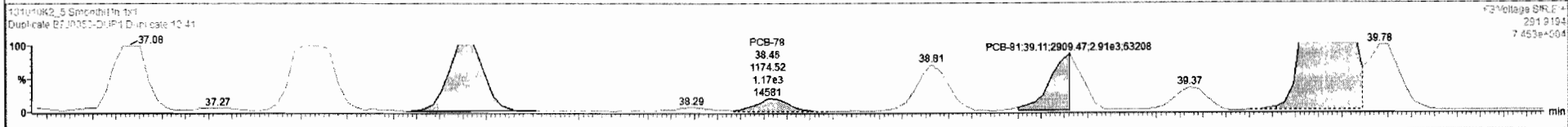
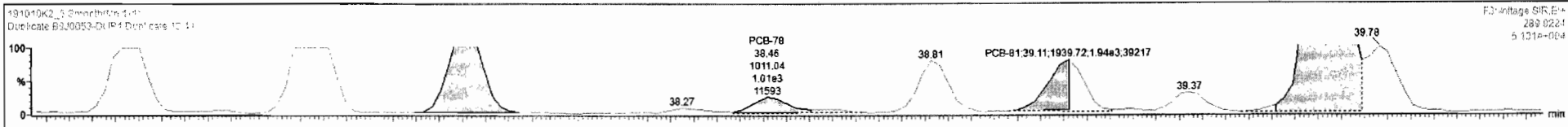
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
19	52 PCB-58	34.77	34.78	2.735e5	3.784e5	0.770	0.72	NO	14.056	14.056
20	53 PCB-62	34.92	34.91	1.144e4	1.596e4	0.770	0.72	NO	68.320	68.320
21	54 PCB-74	35.21	35.20	1.483e5	2.078e5	0.770	0.71	NO	801.18	801.18
22	55 PCB-81/70	35.43	35.43	4.463e5	6.102e5	0.770	0.73	NO	2570.6	2570.6
23	56 PCB-76/66	35.59	35.63	3.633e5	5.285e5	0.770	0.73	NO	2051.3	2051.3
24	58 PCB-55	36.18	36.15	2.795e3	4.252e3	0.770	0.66	NO	15.288	15.288
25	59 PCB-56/60	36.68	36.69	1.807e5	2.496e5	0.770	0.72	NO	1087.1	1087.1



191010K2_5 - B9J0053-DUP1 Duplicate 13 41 - Duplicate

#	Name	Conc.	DL	%Rec	ENPC	Abs.Resp	RRF	Pred.RT	RT	#	IS	RA	YN	RRT	Acq Date	Acq Time	* Chr.Noise	D	Sample Text	Factor1	SW	Cal File
228	Total Hexa-PCBs	17331.847	19.9		17331.05		0.906	0.00		3					11-Oct-19	07:16:04		B9J0053-DU...	Duplicate	1.0	5.5218	db1_P...
229	3rd Function Penta-PCBs	13428.981	17.1		13434.45		1.115	0.00		2...					11-Oct-19	07:16:04		B9J0053-DU...	Duplicate	1.0	5.5218	db1_P...
230	4th Function Penta-PCBs	584.98784	3.76		584.9878		1.111	0.00		2...					11-Oct-19	07:16:04		B9J0053-DU...	Duplicate	1.0	5.5218	db1_P...

#	Name	Trace	RT	Area	IS Area	Response	Primer	Conc.	%Dev
1	36 PCB-45	289.9224	30.27	36525.402	274448.219	1343.255	bb	301.1	
2	35 PCB-51	289.9224	29.84	16957.618	274448.219	590.782	bb	104.5	
3	34 PCB-53	289.9224	29.49	42653.098	274448.219	1591.770	bb	301.9	
4	33 PCB-50	289.9224	28.82	1134.791	343318.719	36.217	bb	8.4	
5	32 PCB-54	289.9224	27.61	1564.319	343318.719	45.062	bb	8.2	
6	54 PCB-74	289.9224	35.20	148292.078	325673.125	4715.175	bd	891.2	
7	53 PCB-83	289.9224	34.91	11435.146	325673.125	362.831	db	68.3	
8	52 PCB-58	289.9224	34.76	2734.687	325673.125	86.323	dd	14.1	



Dataset: Untitled

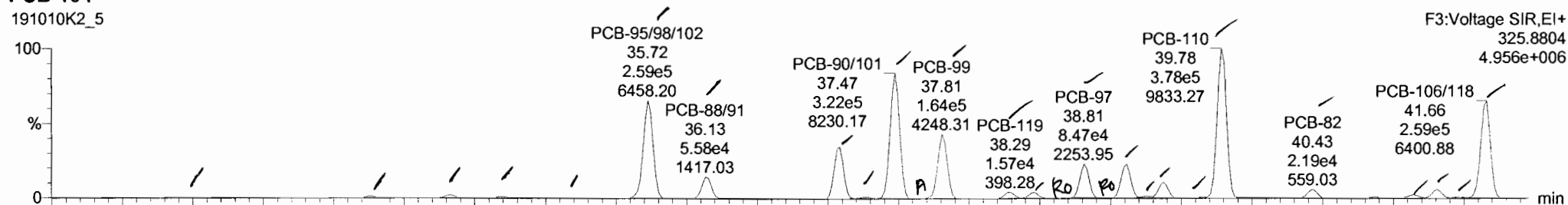
Last Altered: Friday, October 11, 2019 13:12:56 Pacific Daylight Time

Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

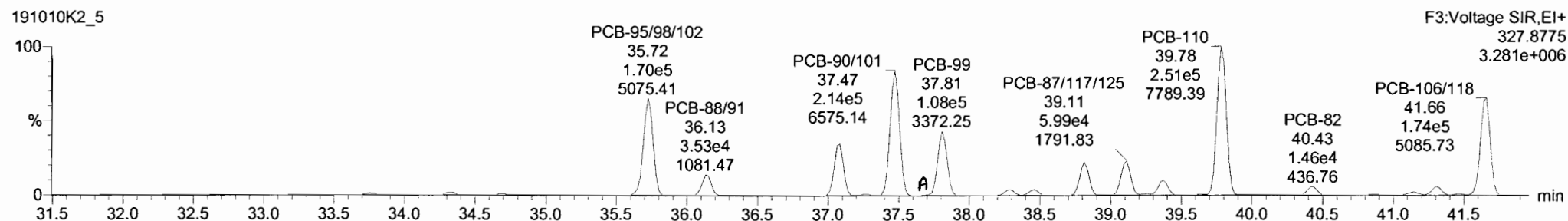
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PCB-104

191010K2_5

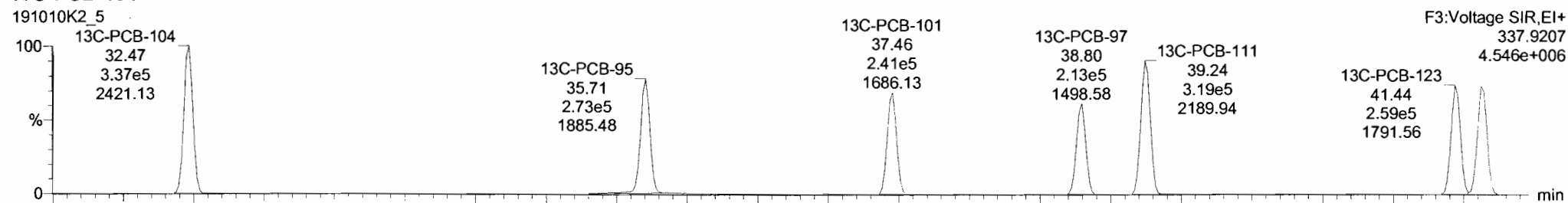


191010K2_5

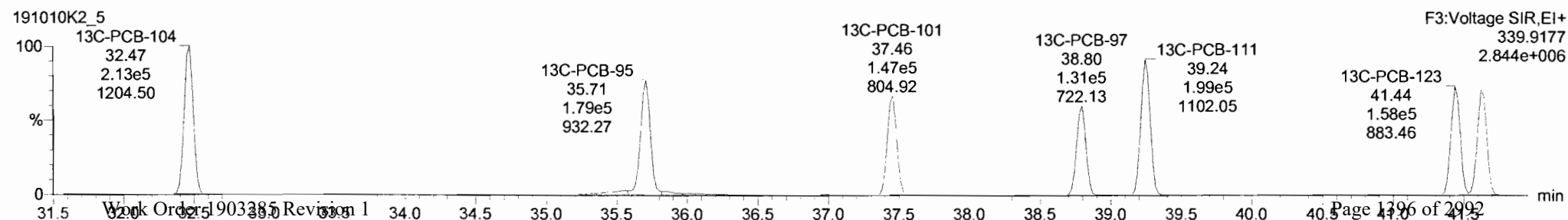


13C-PCB-104

191010K2_5



191010K2_5

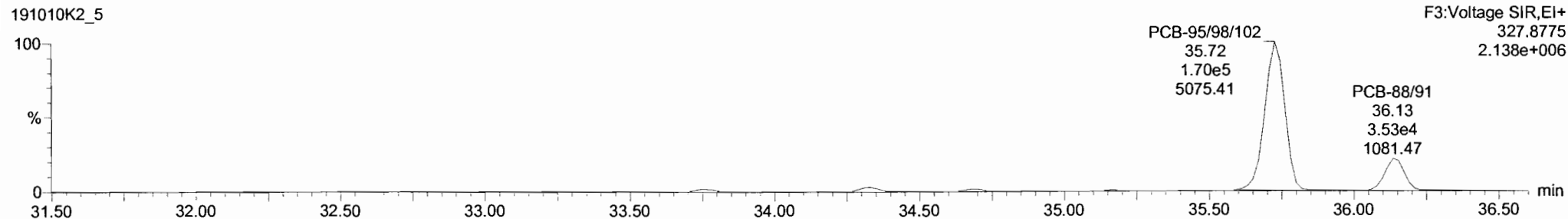
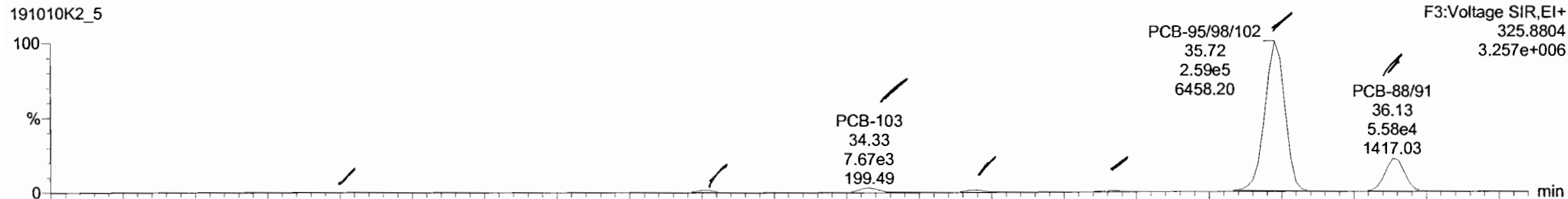


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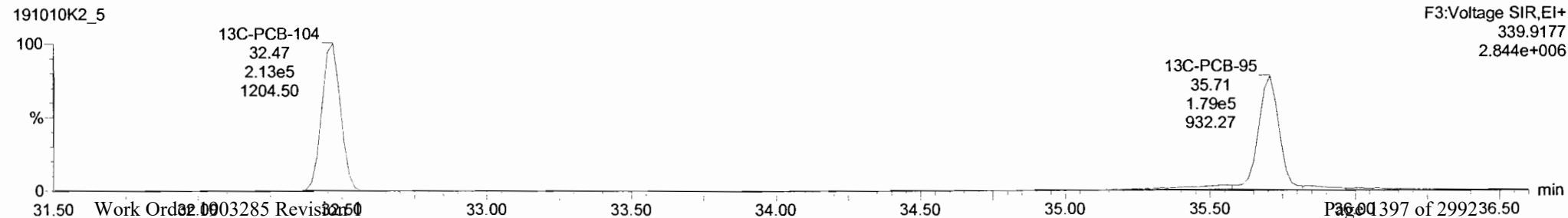
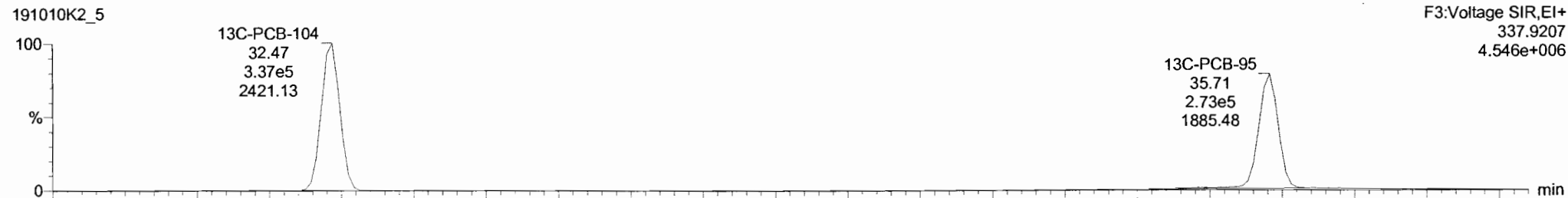
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

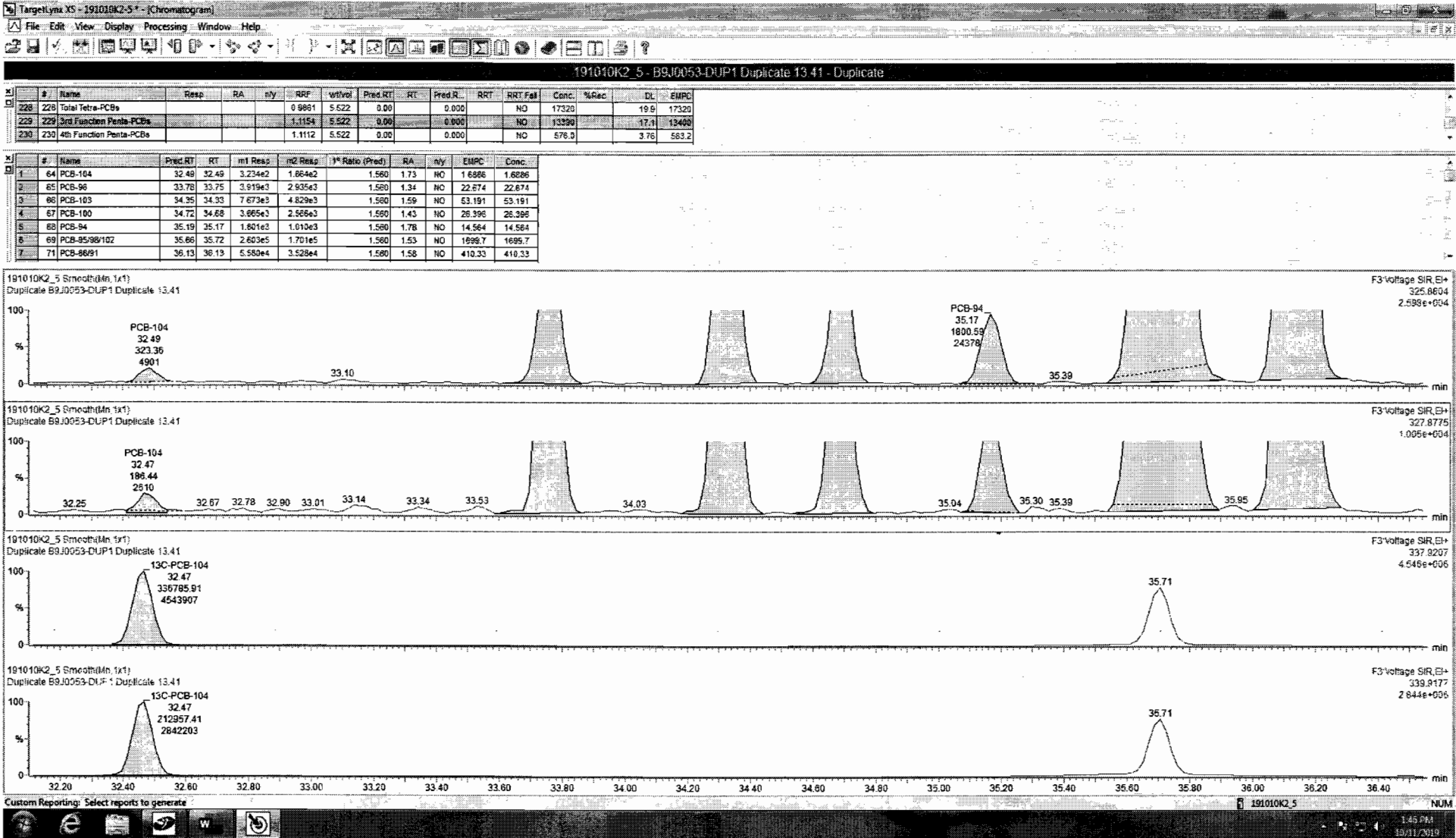
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PCB-96



13C-PCB-95





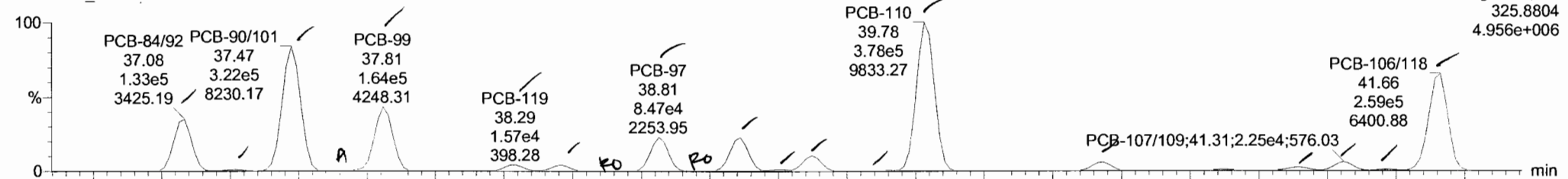
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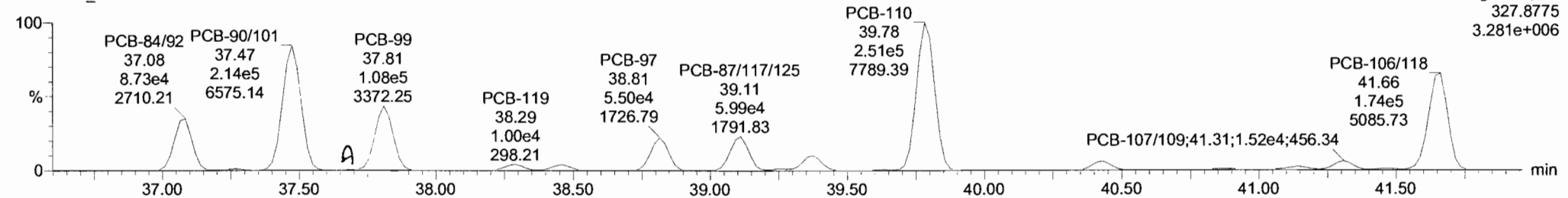
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PCB-119

191010K2_5

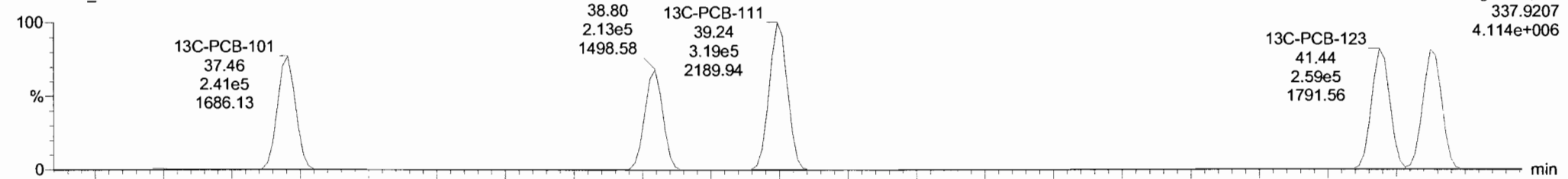


191010K2_5

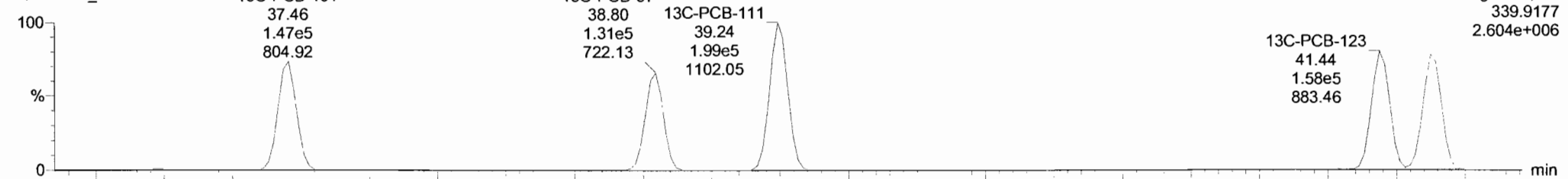


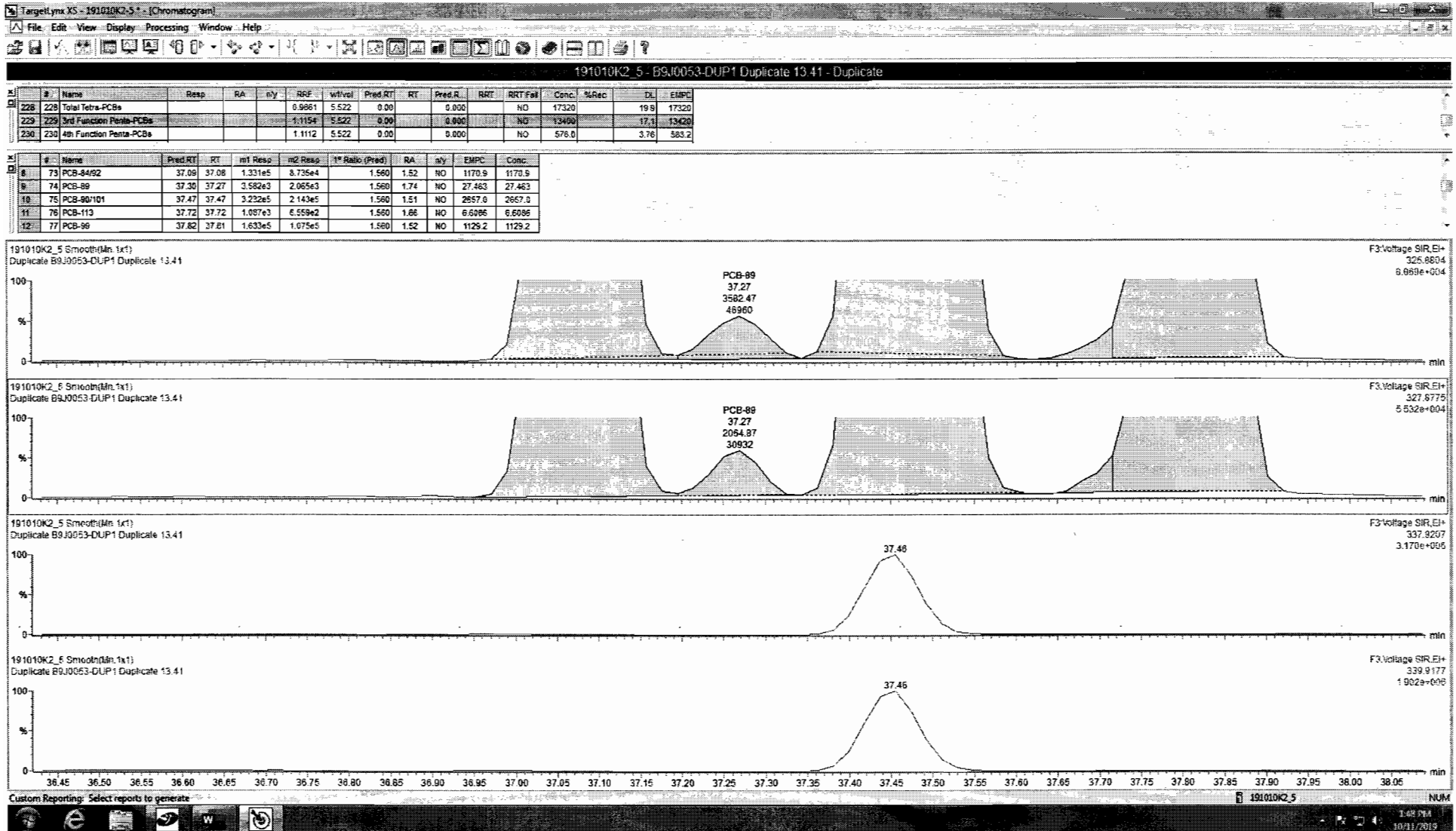
13C-PCB-111

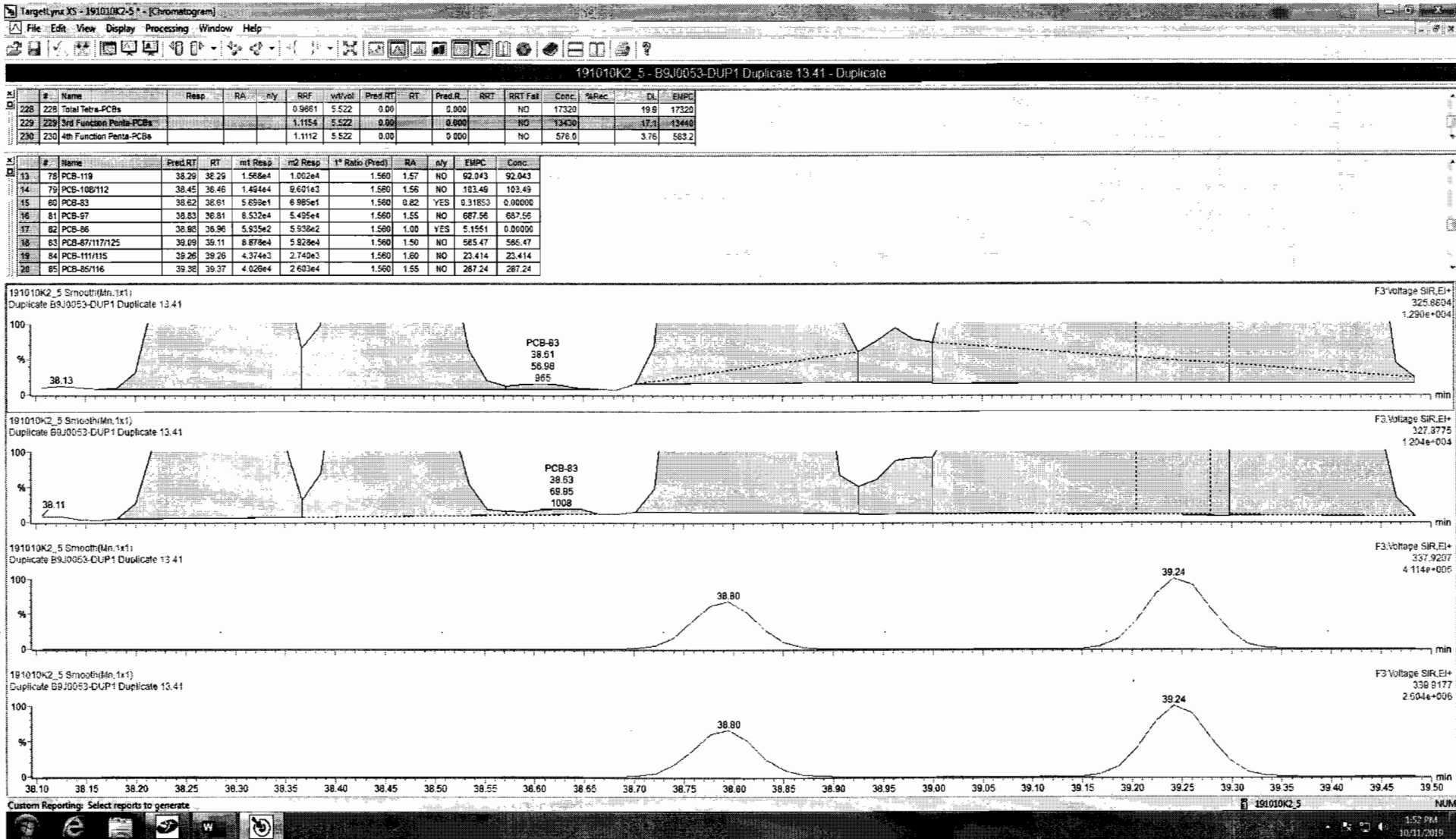
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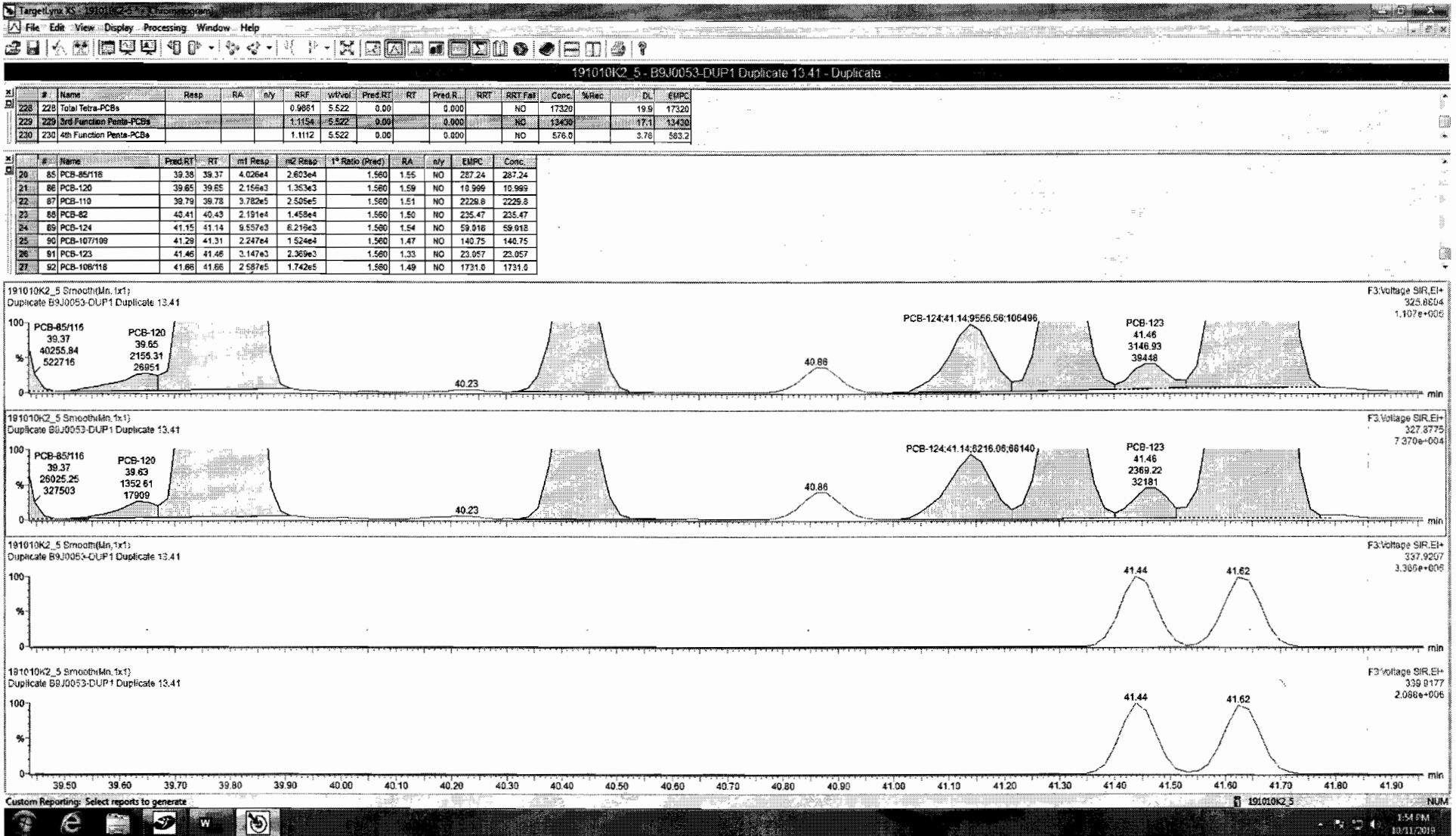


191010K2_5









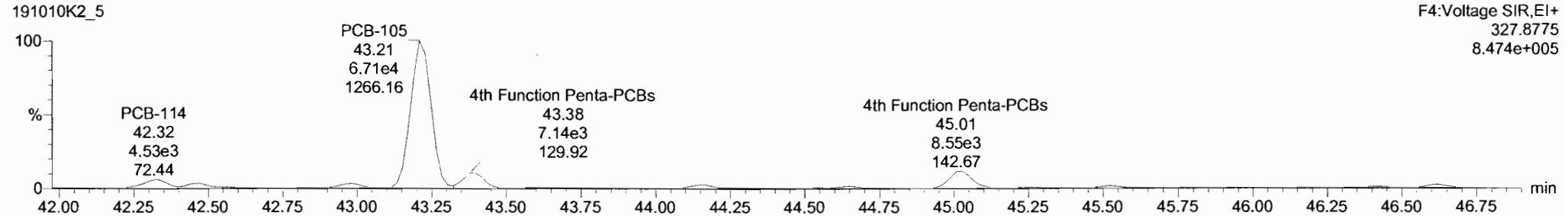
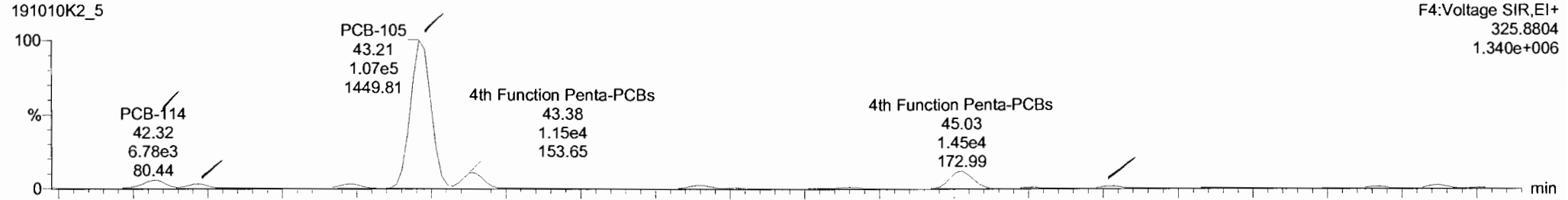
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Last Altered: Friday, October 11, 2019 13:12:56 Pacific Daylight Time

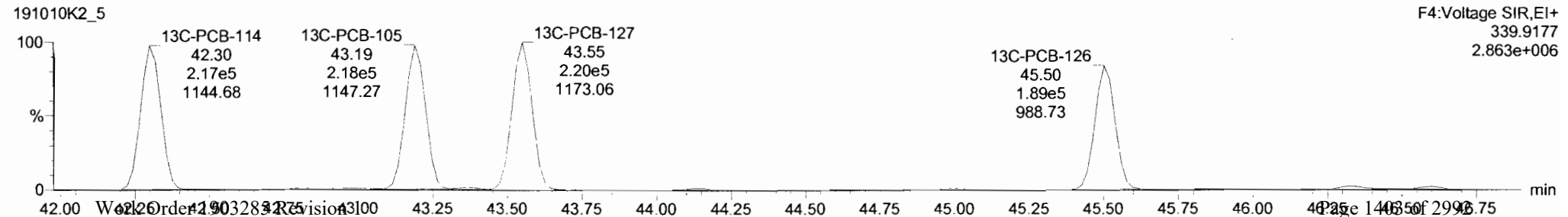
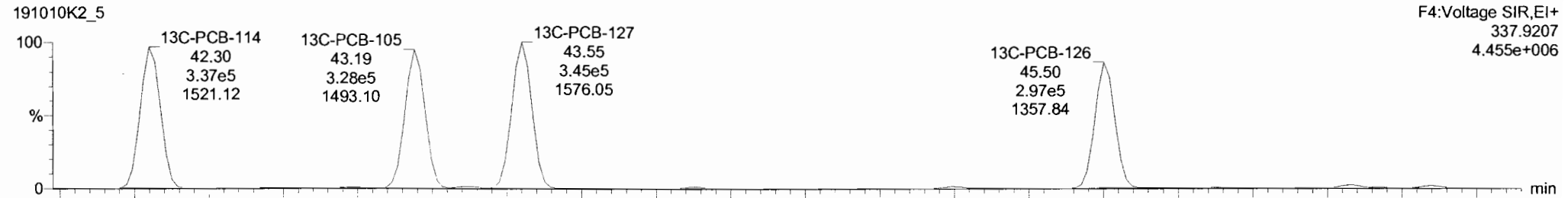
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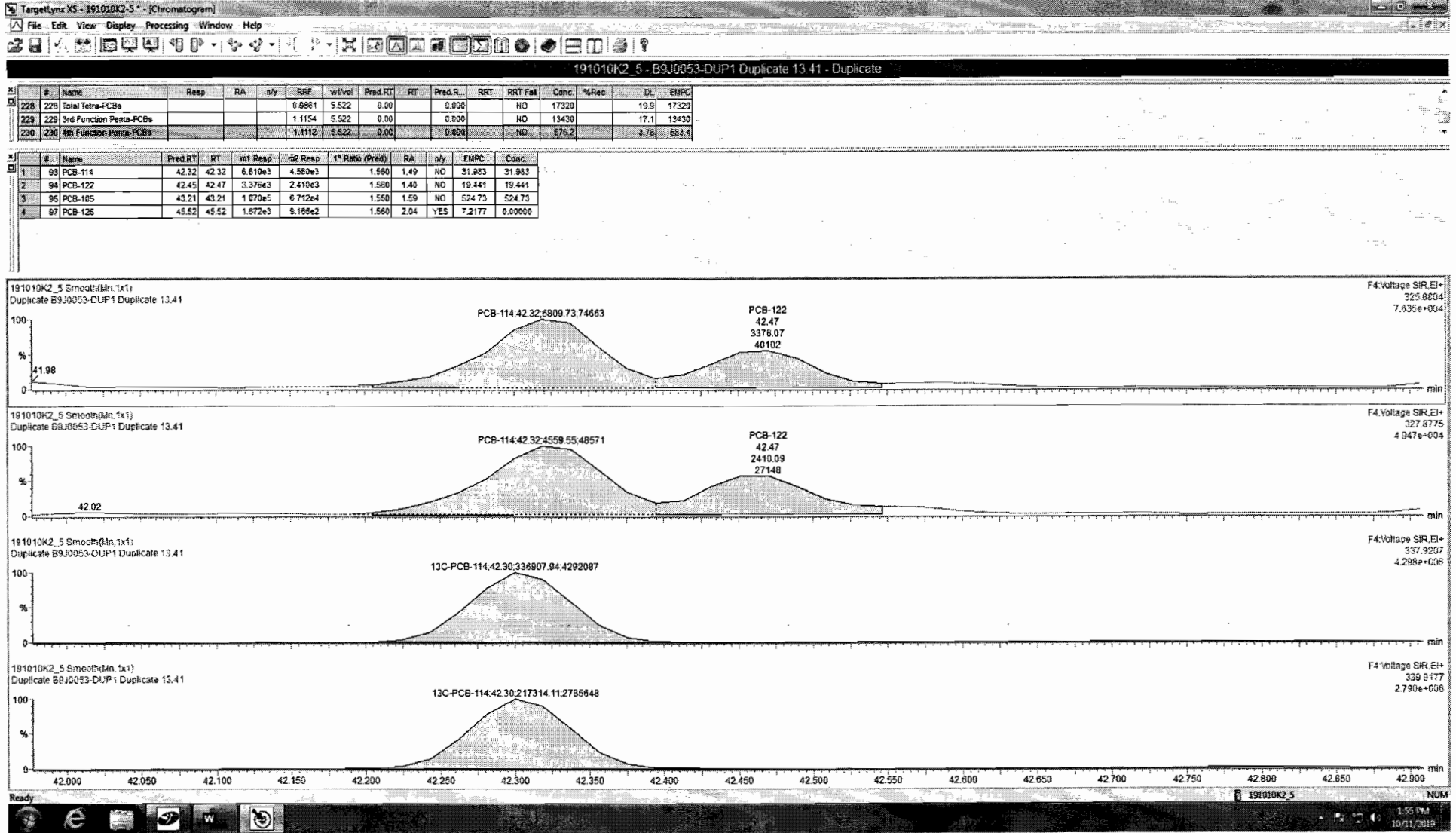
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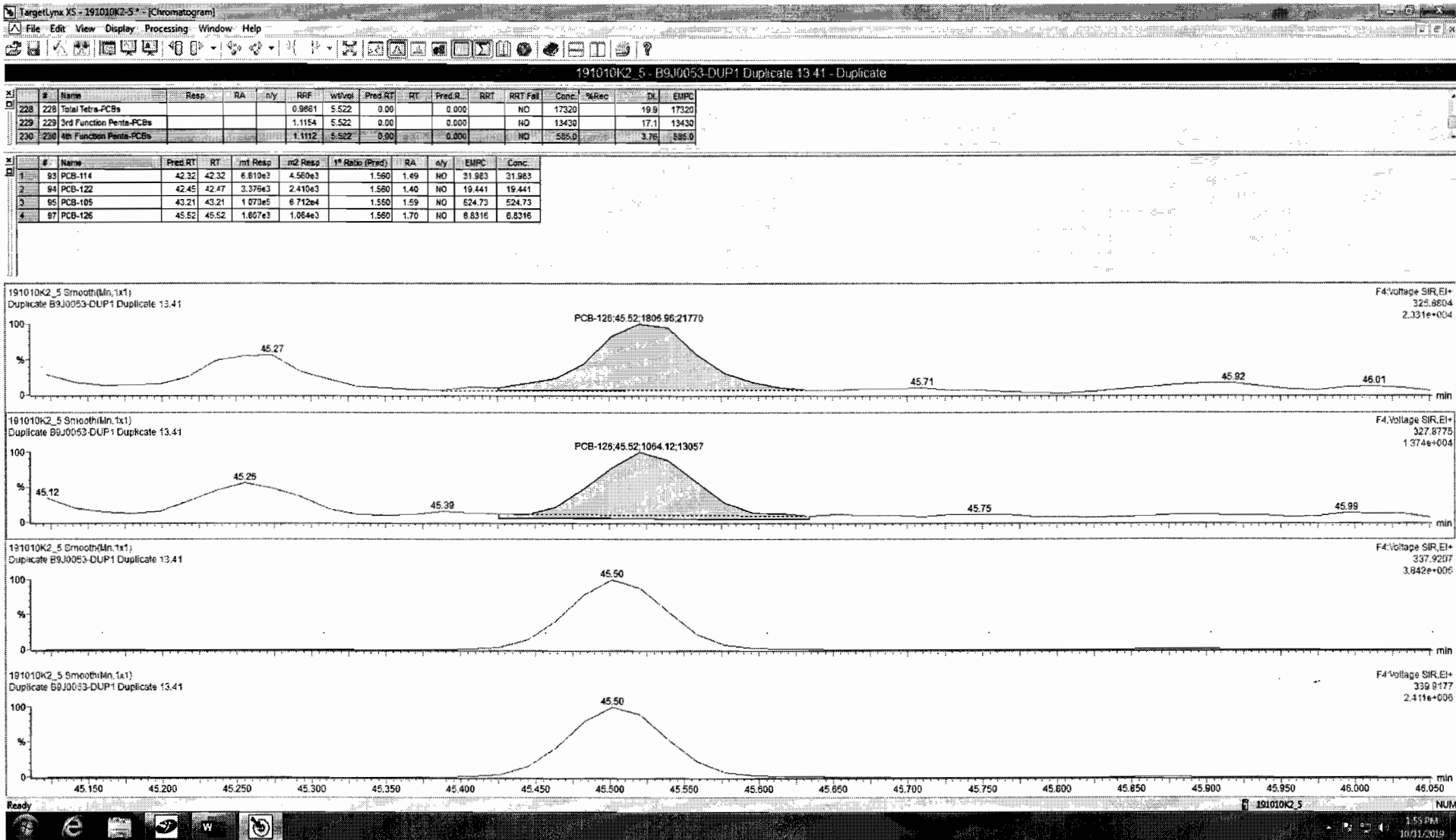
PCB-114



13C-PCB-114





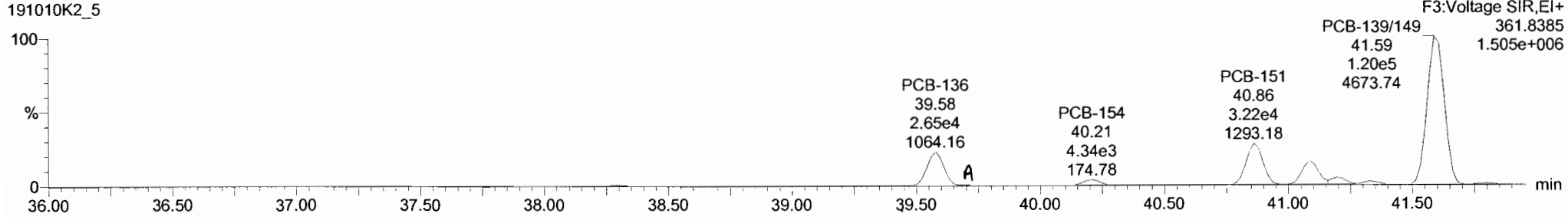
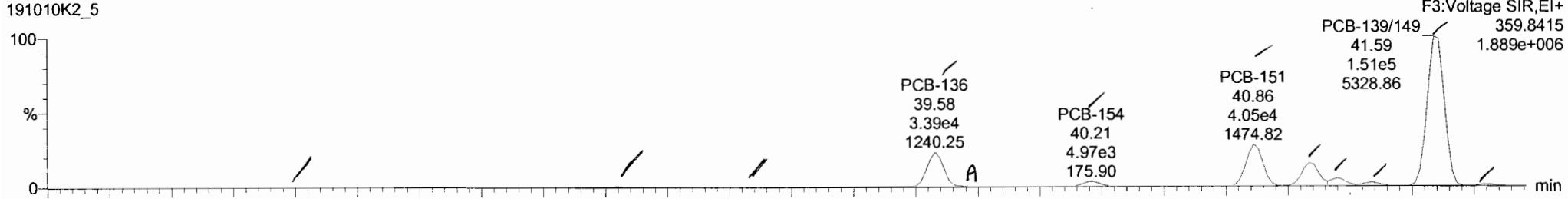


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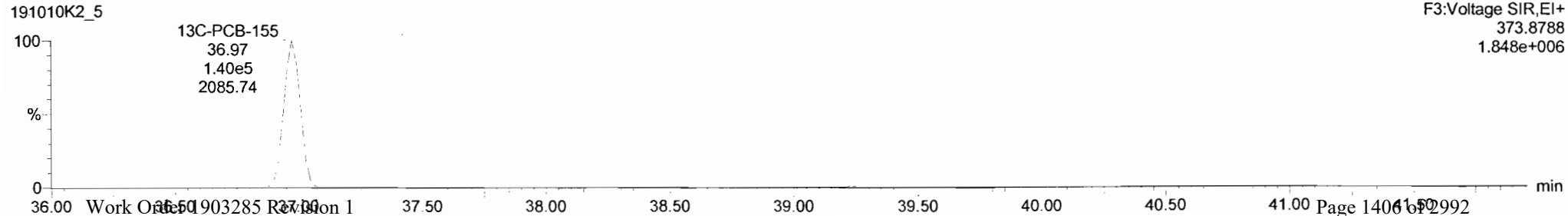
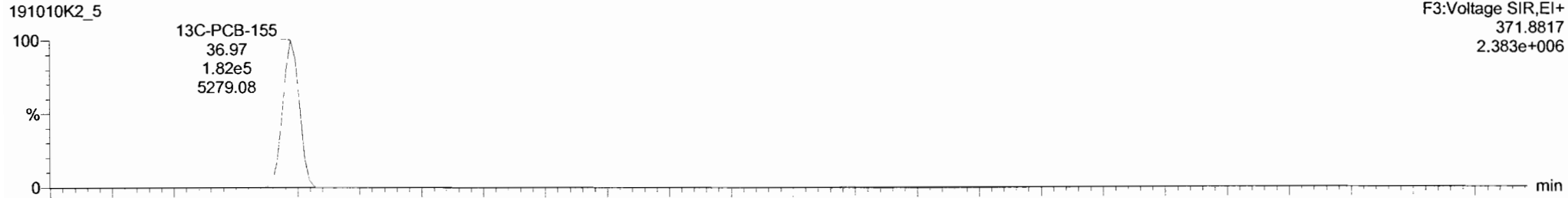
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

Name: 191010K2_5, Date: 11-Oct-2019, Time: 07:16:04, ID: B9J0053-DUP1 Duplicate 13.41, Description: Duplicate

PCB-155

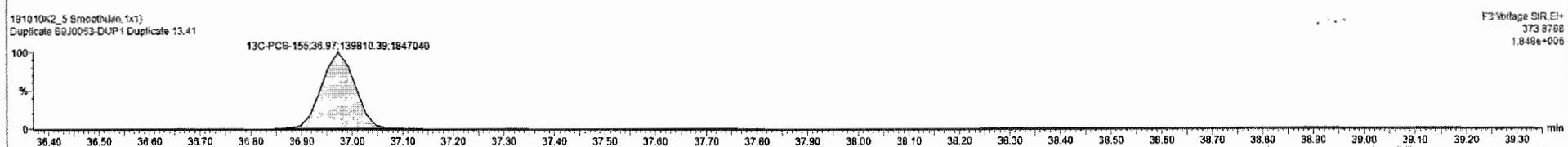
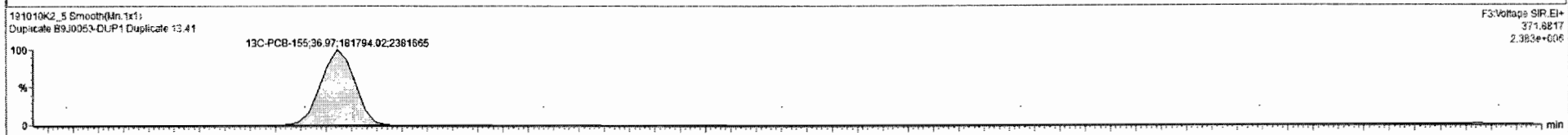
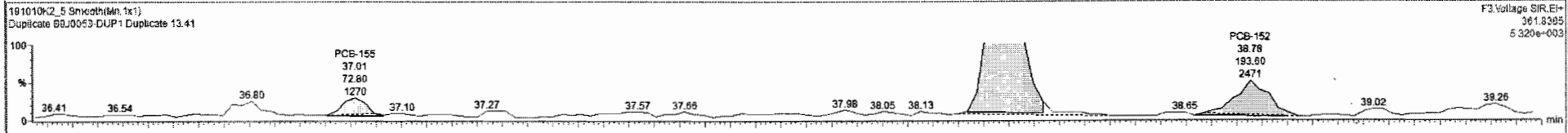
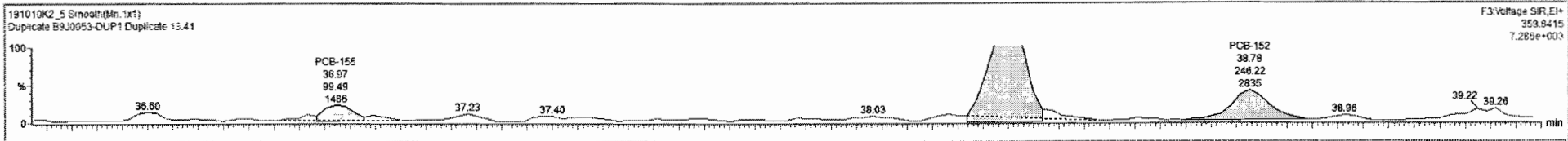


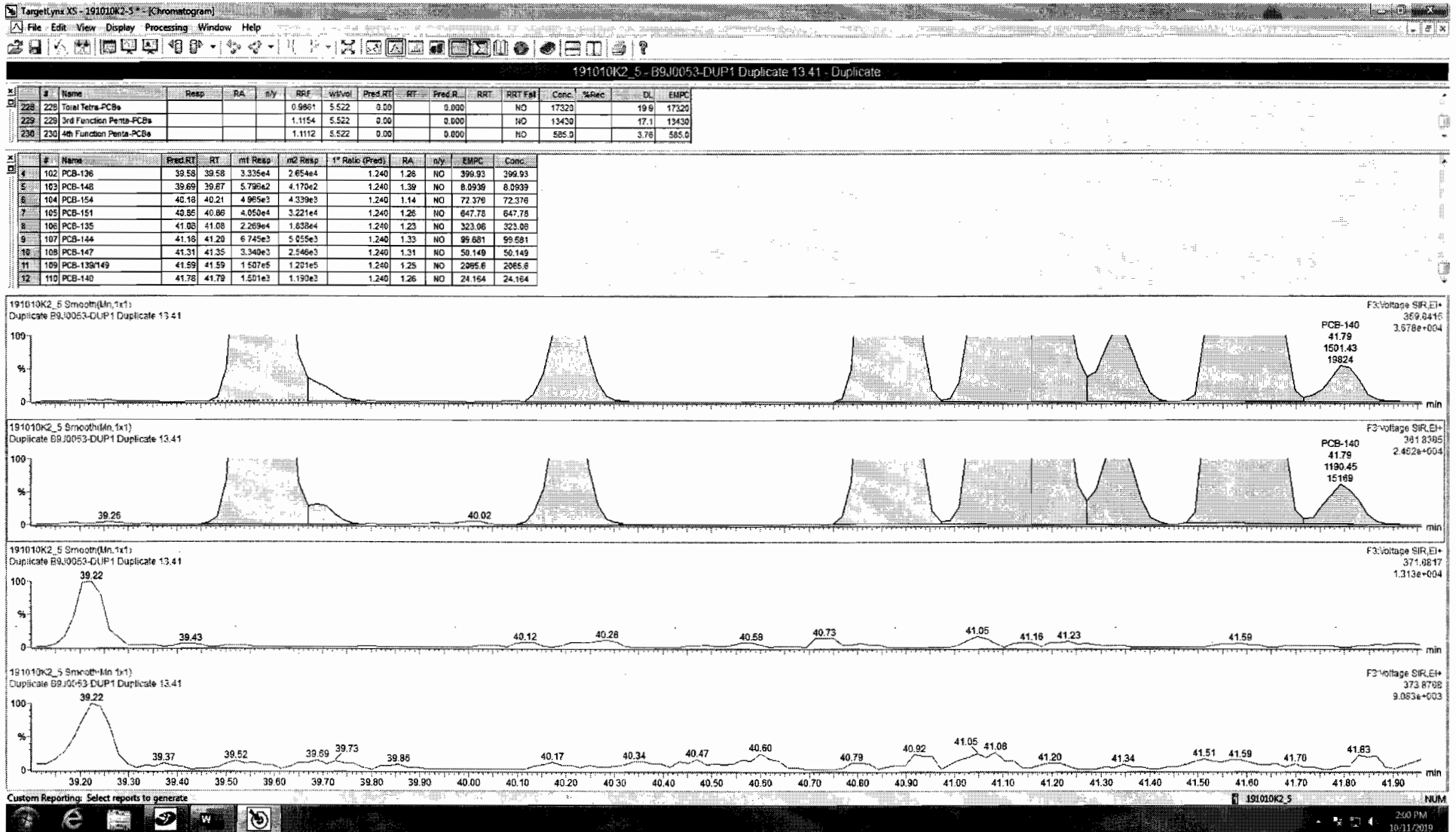
13C-PCB-155



#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred.R	RRT	RRT Fal	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9661	5.522	0.00		0.000		NO	17320		19.9	17320
229	3rd Function Penta-PCBs				1.1154	5.522	0.00		0.000		NO	13430		17.1	13430
230	4th Function Penta-PCBs				1.1112	5.522	0.00		0.000		NO	595.0		3.76	595.0

#	Name	Pred RT	RT	m1 Reso	m2 Reso	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	98 PCB-155	36.99	36.97	9.949e1	7.280e1	1.240	1.37	NO	1.1104	1.1104
2	99 PCB-150	38.29	38.29	8.444e2	7.983e2	1.240	1.06	NO	10.503	10.503
3	100 PCB-152	38.78	38.78	2.462e2	1.939e2	1.240	1.27	NO	2.4658	2.4658
4	102 PCB-136	39.58	39.58	3.395e3	2.654e4	1.240	1.28	NO	403.34	403.34
5	104 PCB-154	40.18	40.21	4.965e3	4.339e3	1.240	1.14	NO	72.376	72.376
6	105 PCB-151	40.85	40.86	4.050e4	3.221e4	1.240	1.26	NO	647.78	647.78
7	106 PCB-135	41.08	41.08	2.269e4	1.638e4	1.240	1.23	NO	323.06	323.06
8	107 PCB-144	41.18	41.20	6.745e3	5.055e3	1.240	1.33	NO	99.681	99.681



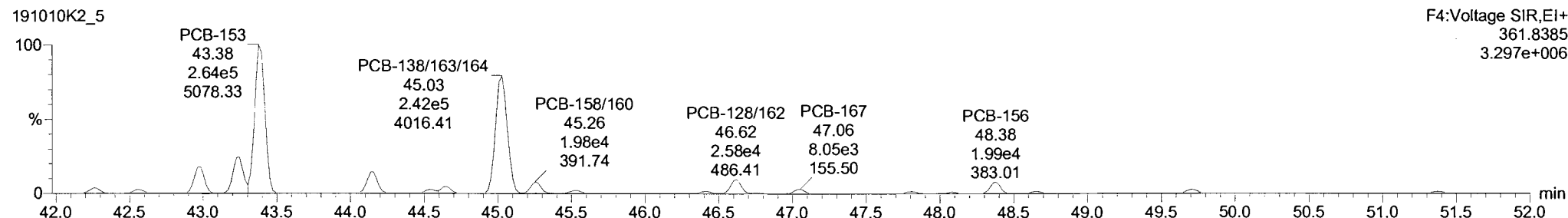
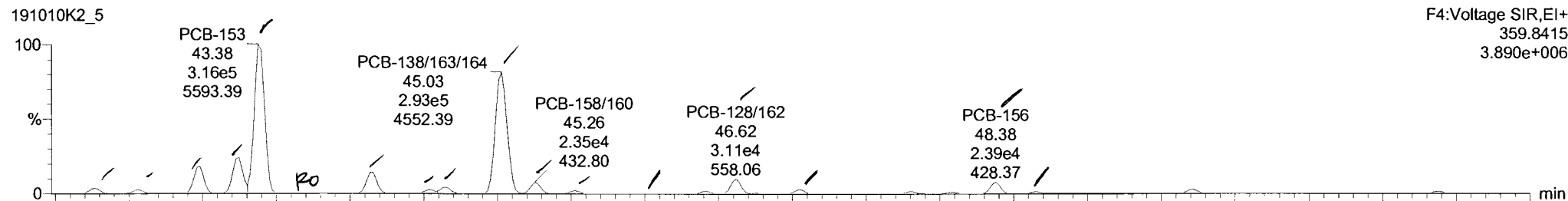


Dataset: Untitled

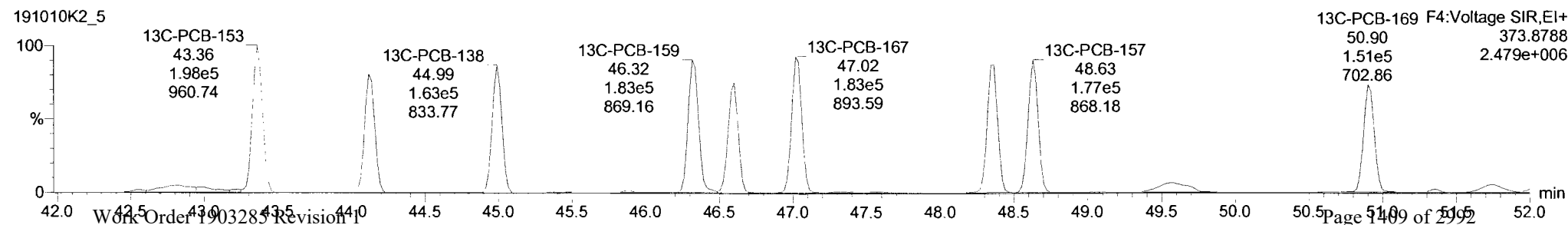
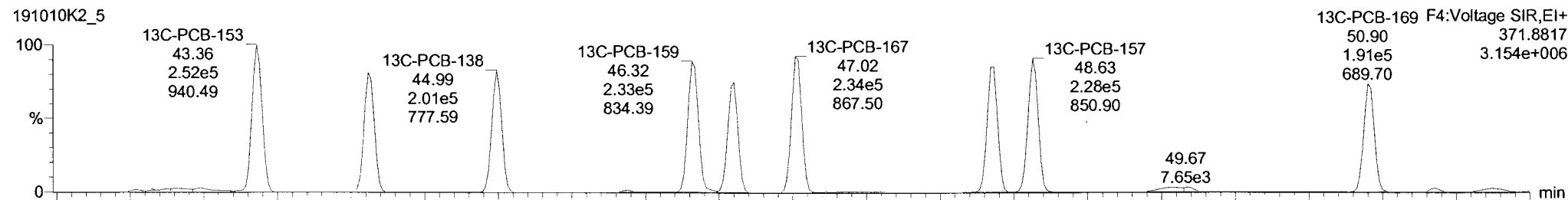
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 Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

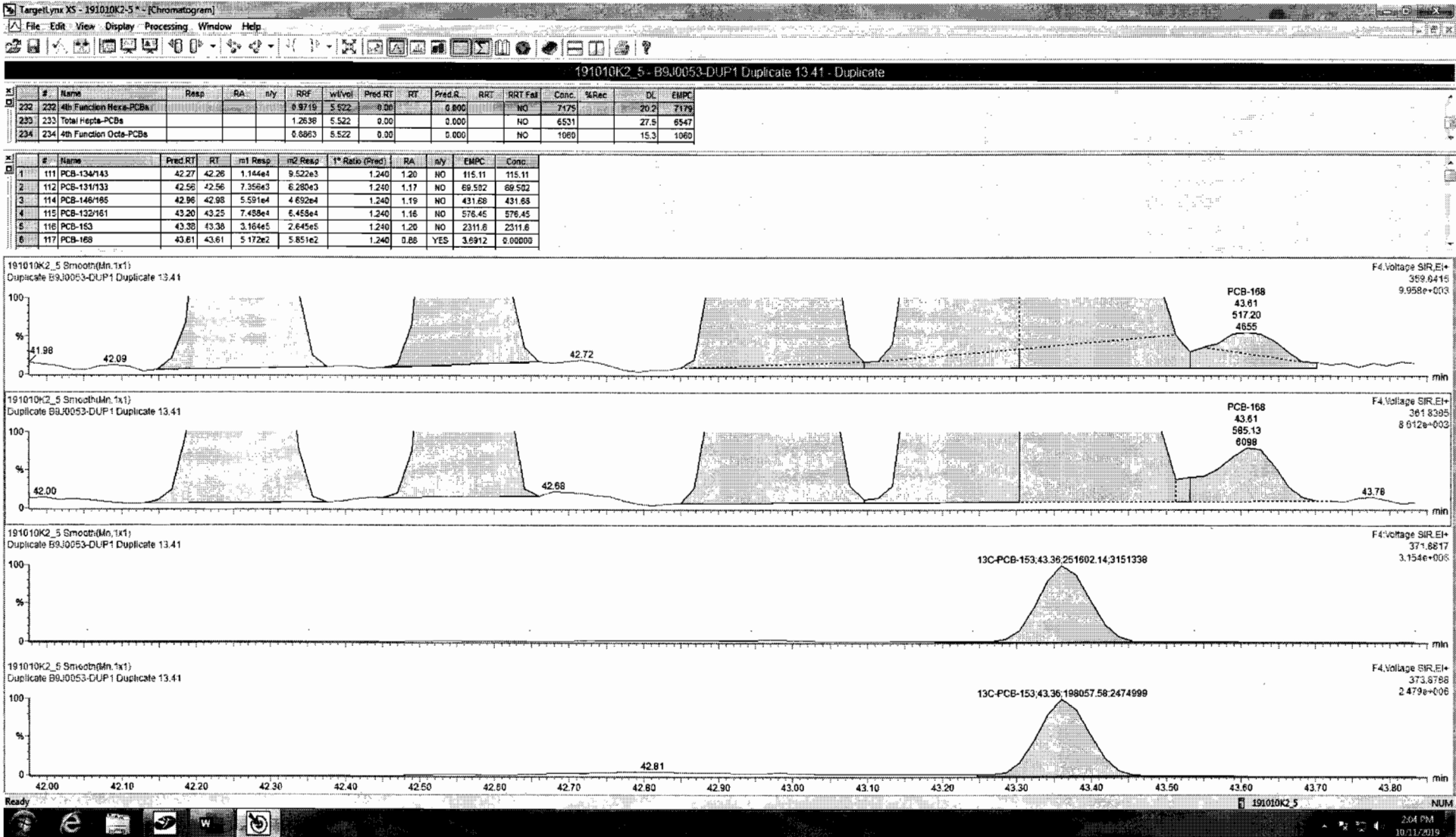
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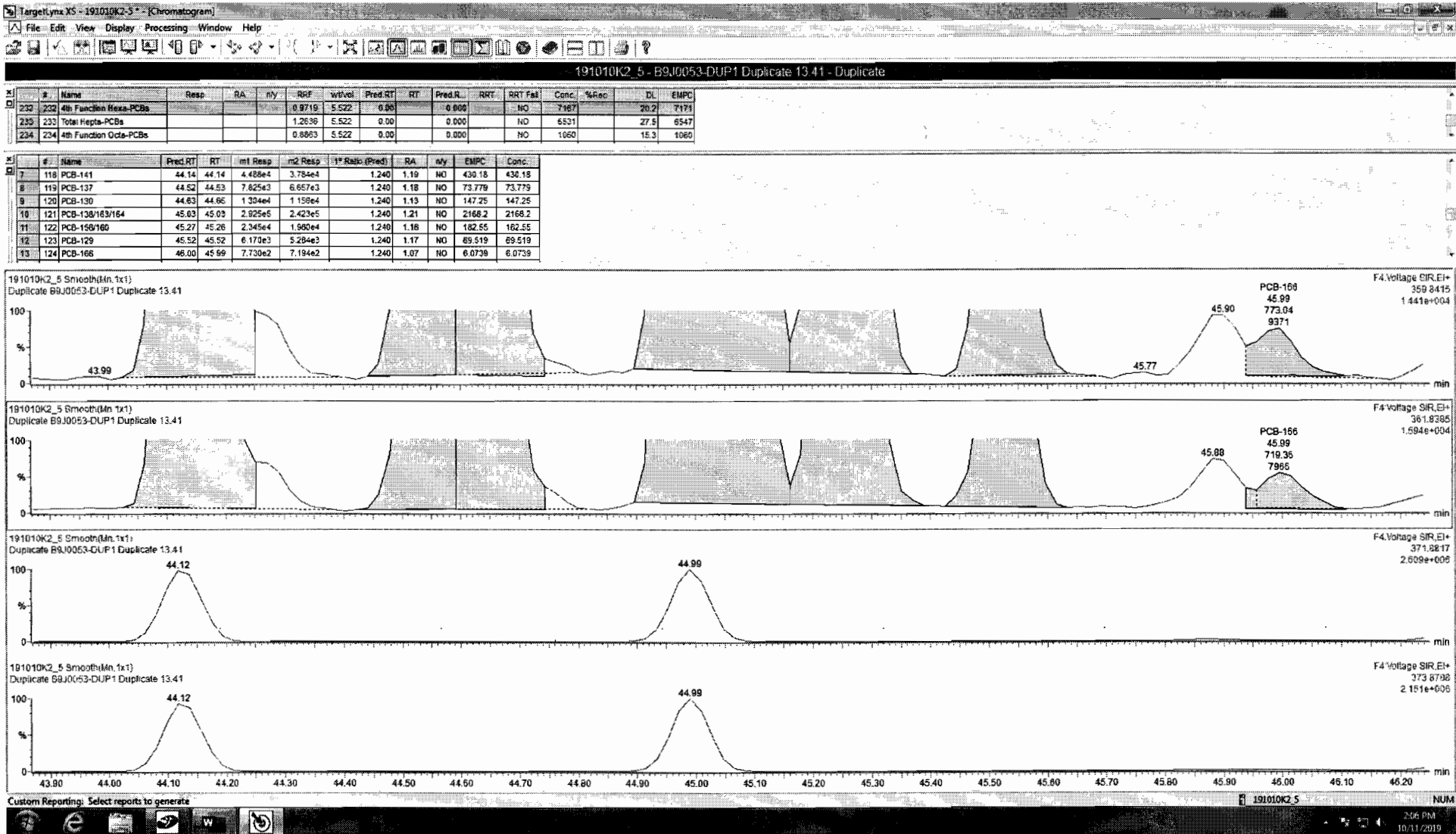
PCB-134/143



13C-PCB-153







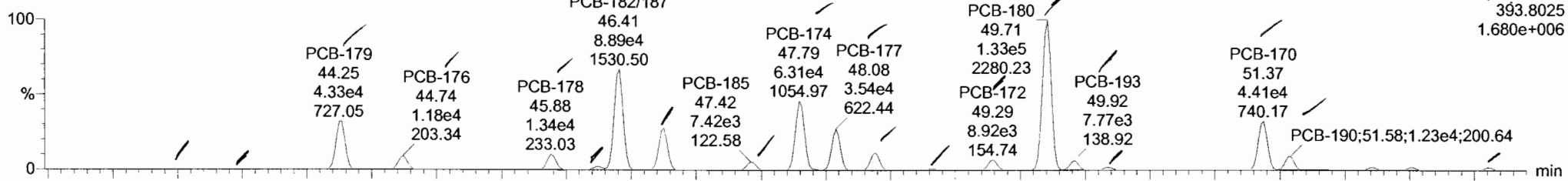
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

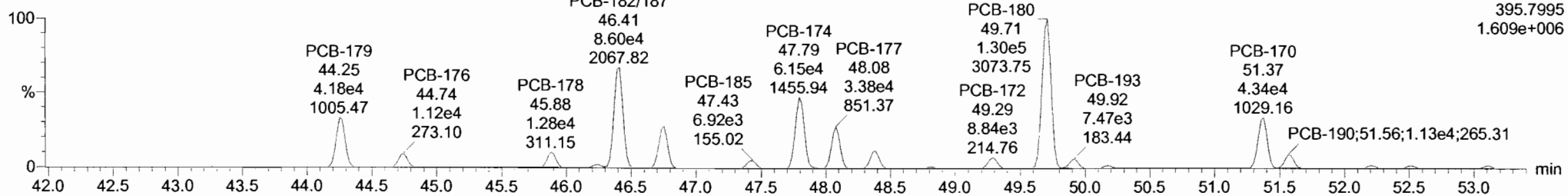
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PCB-188

191010K2_5

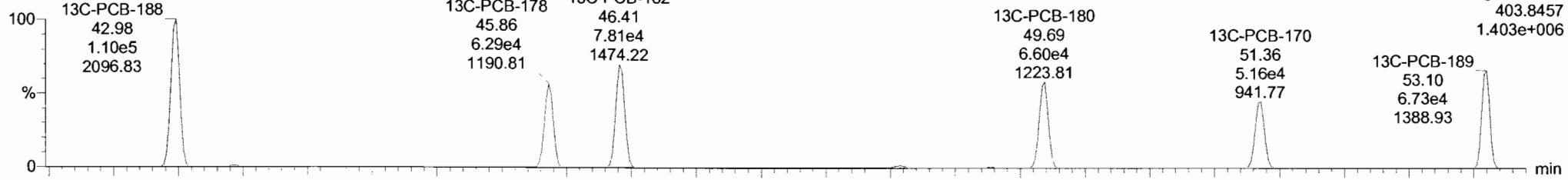


191010K2_5

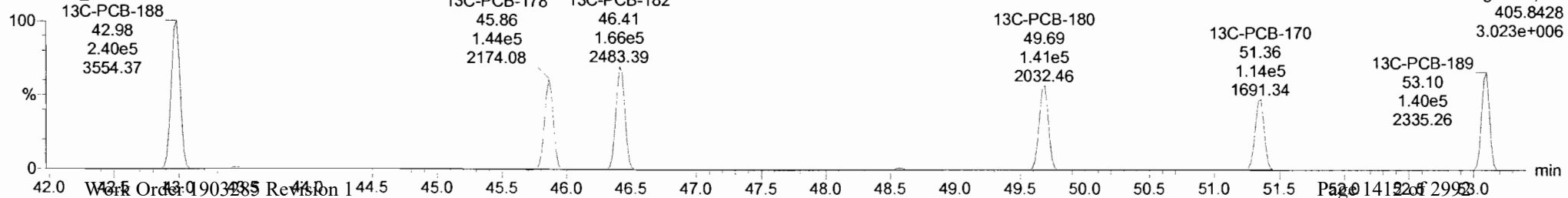


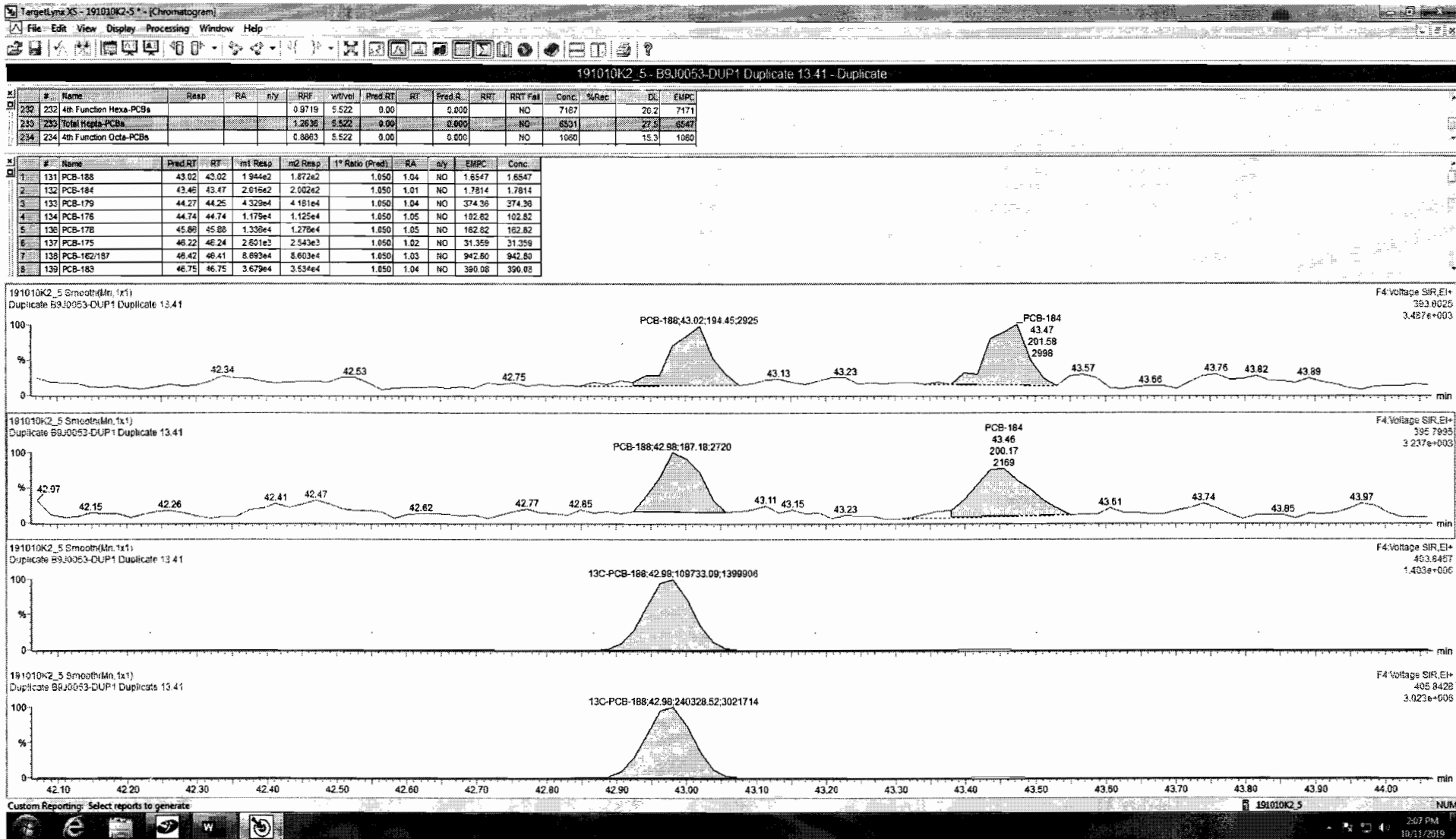
13C-PCB-188

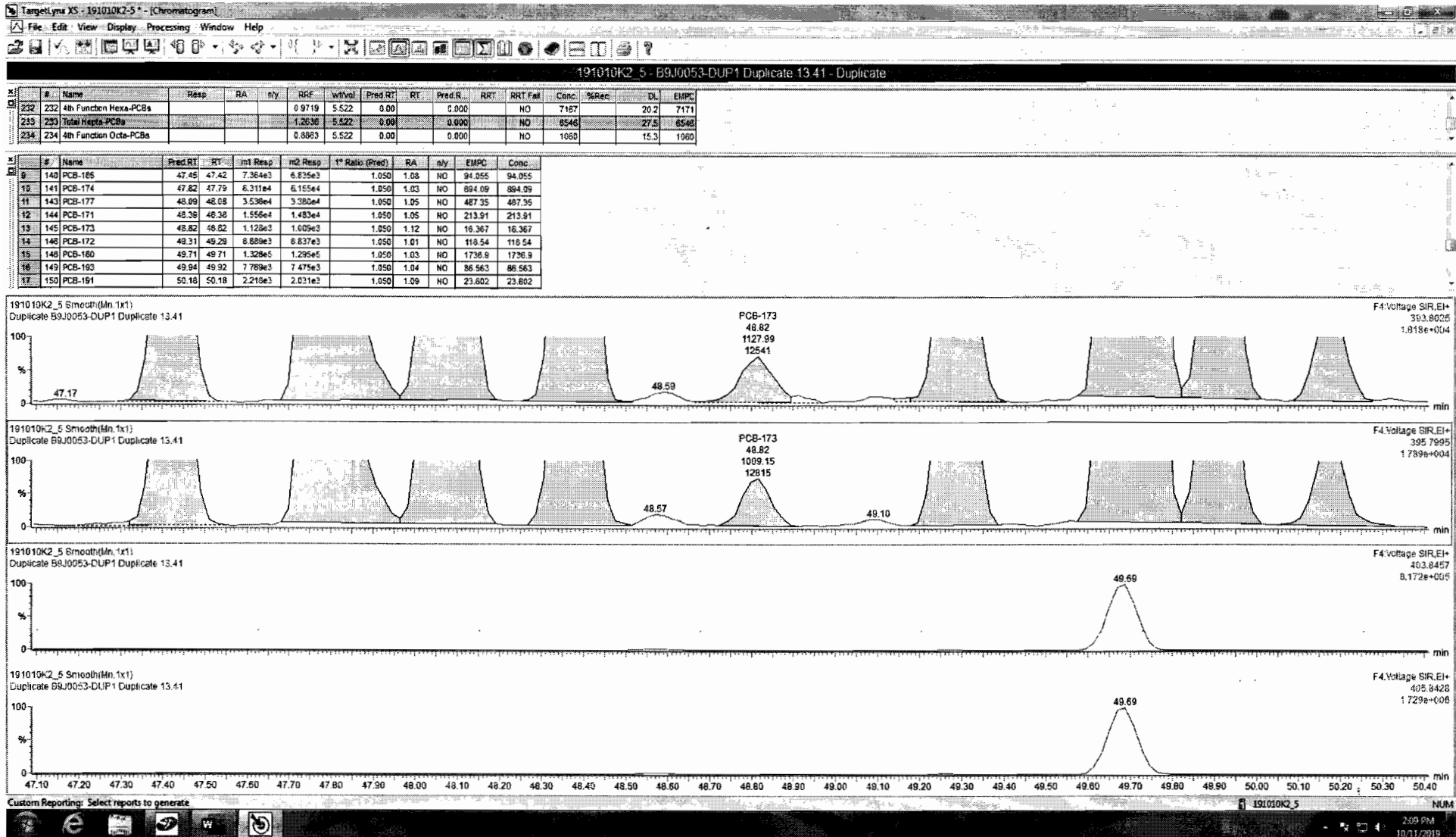
191010K2_5



191010K2_5







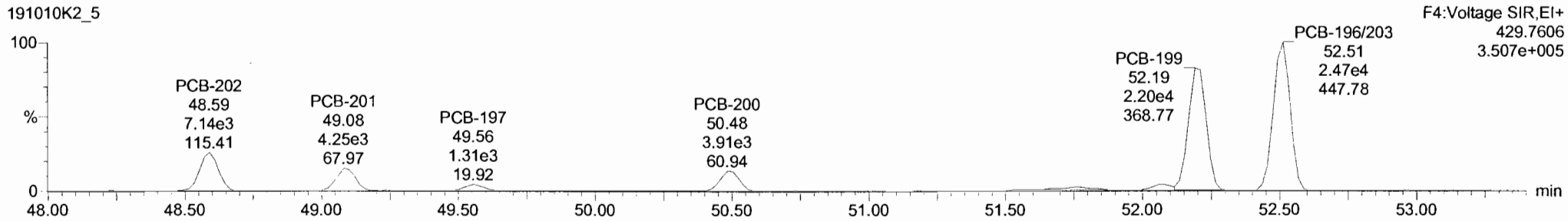
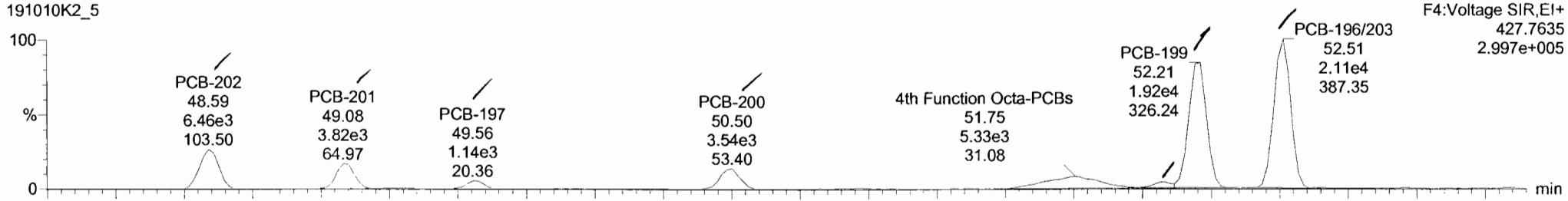
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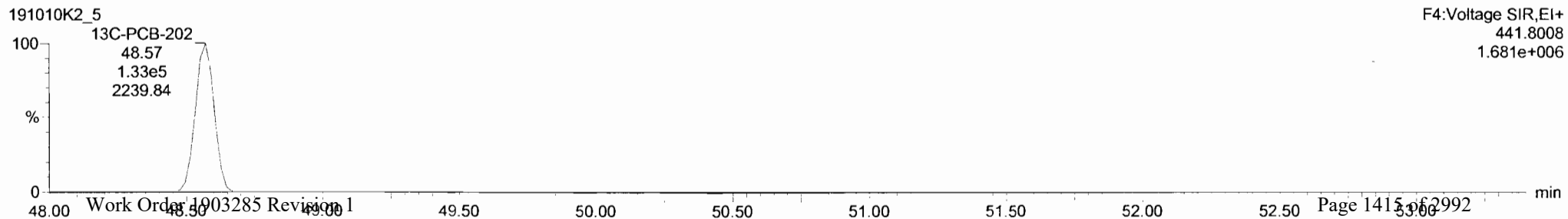
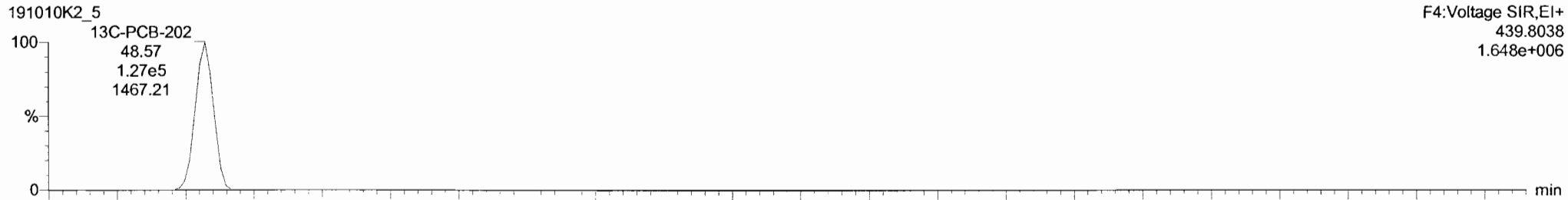
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PCB-202



13C-PCB-202



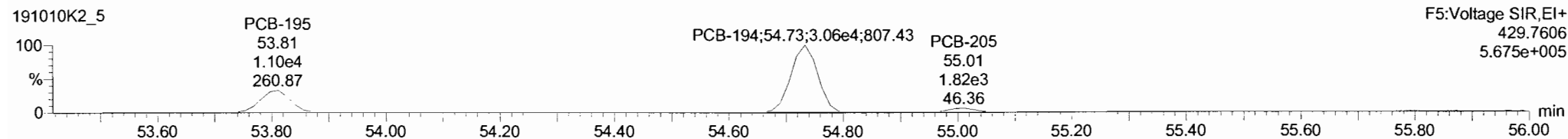
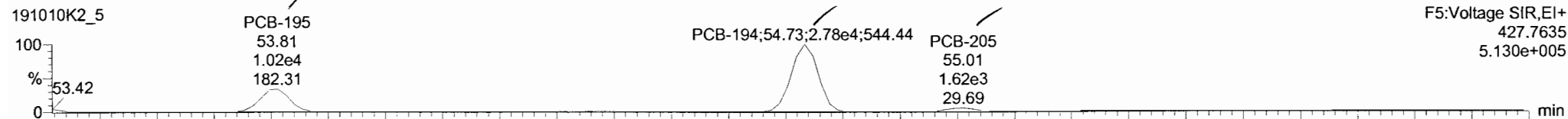
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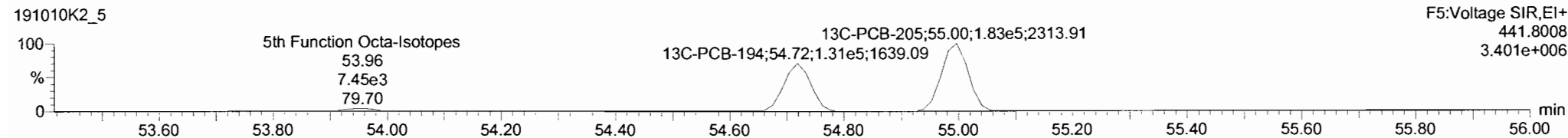
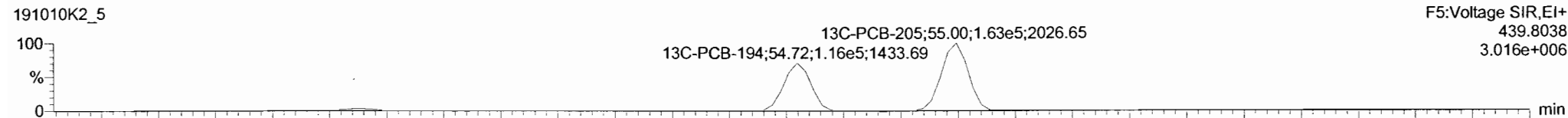
Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

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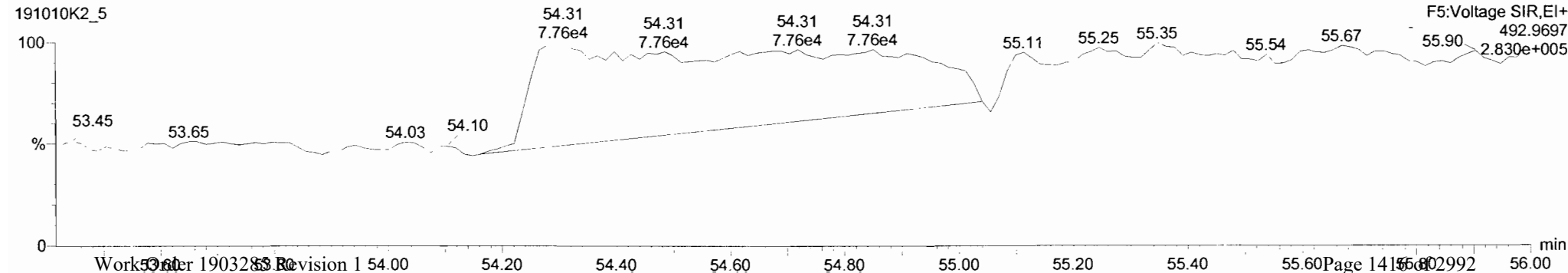
PCB-195



13C-PCB-194



PFK5

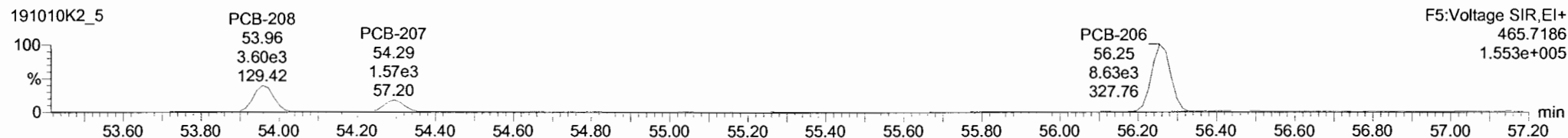
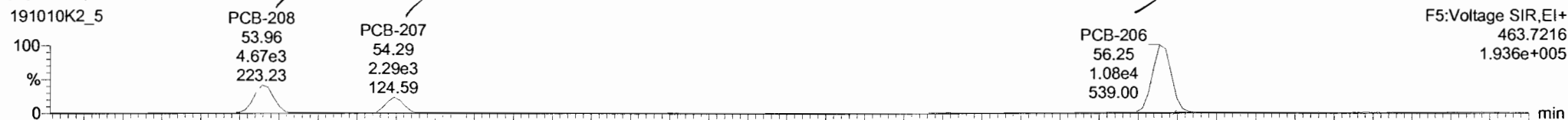


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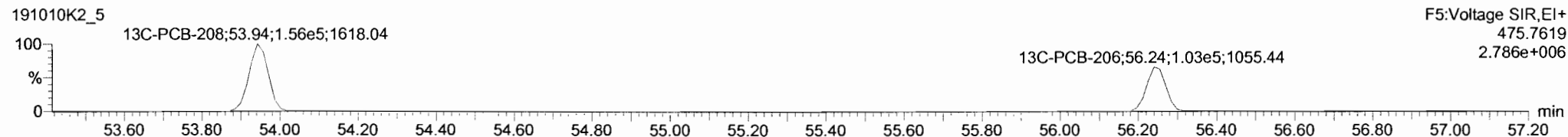
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Printed: Friday, October 11, 2019 13:14:37 Pacific Daylight Time

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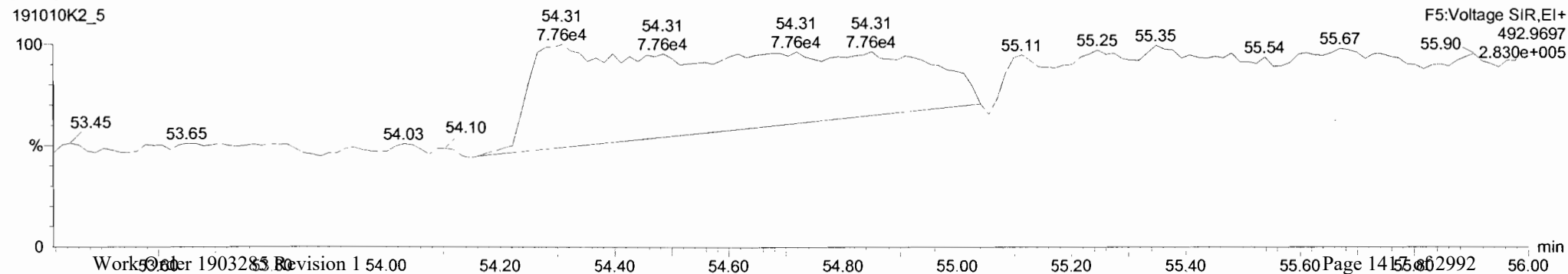
PCB-208



13C-PCB-208



PFK5

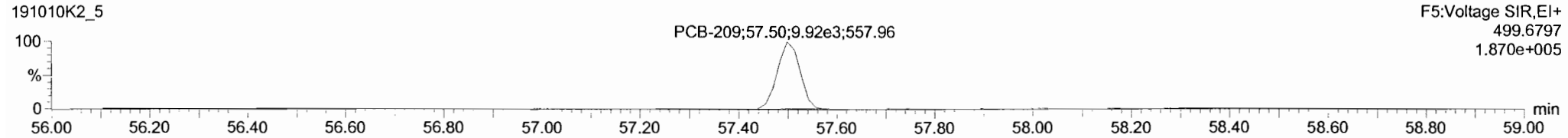
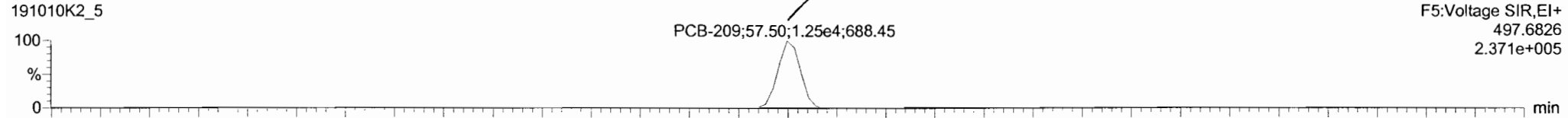


Dataset: Untitled

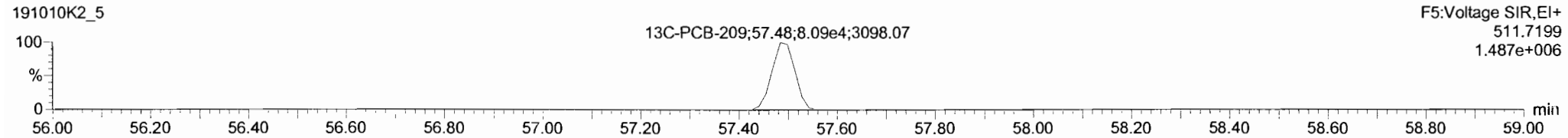
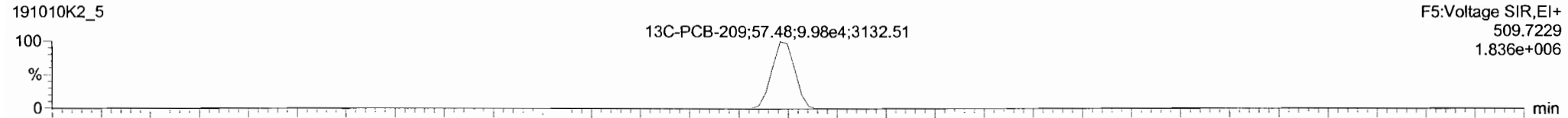
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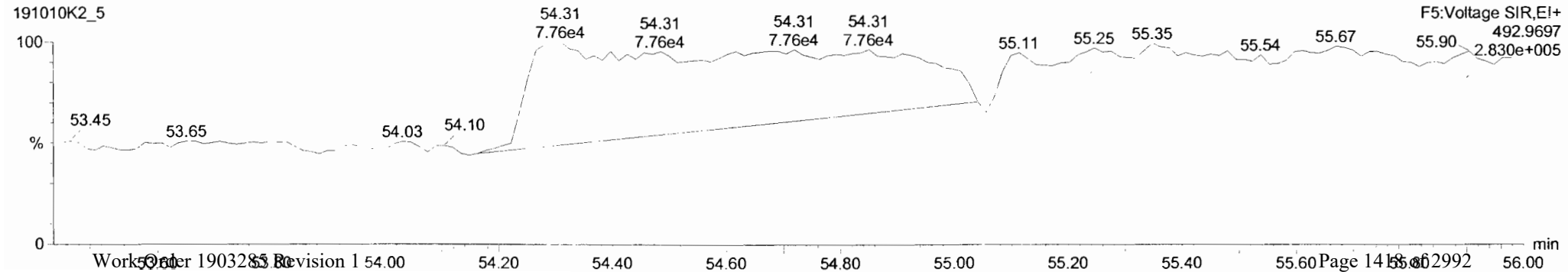
PCB-209



13C-PCB-209



PFK5



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-11.qld

Last Altered: Friday, November 01, 2019 14:23:42 Pacific Daylight Time

Printed: Friday, November 01, 2019 14:27:02 Pacific Daylight Time

EL 01/01/19

Hc 11.6.19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

#	Name	Abs Resp	RA	ny	RRF	Wt Wtd	Ret RT	RT	Prod RRF	RRT	Detec RFD	Conc	Area	D	EMPG
1	PCB-1	2093.077	2.992	NO	1.02	5.381	15.52	15.52	1.00	1.00	NO	5.741		0.252	5.741
2	PCB-2	5180.112	3.110	NO	1.01	5.381	17.93	17.93	0.99	0.99	NO	13.18		0.252	13.18
3	PCB-3	2597.206	2.807	NO	1.01	5.381	18.15	18.17	1.00	1.00	NO	6.624		0.253	6.624
4	PCB-4/10	6957.863	1.598	NO	1.28	5.381	19.59	19.53	1.00	1.00	NO	19.36		0.747	19.36
5	PCB-7/9	2216.574	0.940	YES	0.976	5.381	21.39	21.37	1.00	1.00	NO	4.769		0.507	3.792
6	PCB-6	5485.458	1.360	NO	1.02	5.381	22.04	22.04	1.03	1.03	NO	11.33		0.573	11.33
7	PCB-5/8	19360.631	1.500	NO	1.01	5.381	22.45	22.44	1.05	1.05	NO	40.22		0.576	40.22
8	PCB-14				1.03	5.381	23.61		0.95		YES			0.638	
9	PCB-11	28817.685	1.432	NO	1.10	5.381	24.82	24.82	1.00	1.00	NO	57.30		0.602	57.30
10	PCB-12/13	3012.344	1.763	NO	1.04	5.381	25.25	25.19	1.02	1.02	NO	6.330		0.636	6.330
11	PCB-15	21314.574	1.432	NO	1.03	5.381	25.55	25.53	1.03	1.03	NO	45.17		0.641	45.17
12	PCB-19	6608.307	0.928	NO	0.934	5.381	23.78	23.77	1.00	1.00	NO	28.63		0.494	28.63
13	PCB-30				1.48	5.381	24.67		1.04		YES			0.311	
14	PCB-18	26181.942	0.961	NO	0.693	5.381	25.46	25.45	0.95	0.95	NO	96.82		0.417	96.82
15	PCB-17	12617.222	0.983	NO	0.667	5.381	25.62	25.62	0.96	0.96	NO	48.48		0.433	48.48
16	PCB-24/27	3998.219	0.949	NO	0.915	5.381	26.23	26.20	0.98	0.98	NO	11.20		0.316	11.20
17	PCB-16/32	23605.091	1.001	NO	0.792	5.381	26.76	26.76	1.00	1.00	NO	76.34		0.364	76.34
18	PCB-34	896.361	1.292	YES	0.987	5.381	27.57	27.56	0.96	0.96	NO	1.750		0.478	1.558
19	PCB-23				0.974	5.381	27.66		0.96		YES			0.485	
20	PCB-29	596.027	0.703	YES	0.953	5.381	27.93	27.93	0.97	0.97	NO	1.205		0.495	0.9761
21	PCB-26	14523.489	0.999	NO	1.00	5.381	28.14	28.13	0.98	0.98	NO	27.98		0.472	27.98
22	PCB-25	8660.788	0.933	NO	0.978	5.381	28.31	28.30	0.98	0.98	NO	17.08		0.483	17.08
23	PCB-31	74421.875	1.037	NO	1.12	5.381	28.68	28.67	1.00	1.00	NO	127.8		0.420	127.8
24	PCB-28	95496.043	1.043	NO	1.11	5.381	28.76	28.76	1.00	1.00	NO	166.5		0.427	166.5
25	PCB-20/21/33	38650.579	1.038	NO	1.00	5.381	29.39	29.43	1.02	1.02	NO	74.27		0.470	74.27
26	PCB-22	25892.953	1.073	NO	1.03	5.381	29.86	29.86	1.04	1.04	NO	48.33		0.457	48.33
27	PCB-36				1.18	5.381	30.53		0.93		YES			0.422	
28	PCB-39				1.08	5.381	31.00		0.95		YES			0.458	
29	PCB-38	1709.857	1.518	YES	1.13	5.381	31.80	31.80	0.97	0.97	NO	3.101		0.440	2.512
30	PCB-35	2205.389	1.611	YES	1.13	5.381	32.35	32.38	0.99	0.99	NO	3.986		0.439	3.115

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

#	Name	Abn Resp	RA	ny	RRF	wf/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPO
31	PCB-37	32118.177	1.115	NO	1.11	5.381	32.80	32.78	1.00	1.00	NO	59.42		0.449	59.42
32	PCB-54	1406.544	0.645	YES	0.996	5.381	27.61	27.61	1.00	1.00	NO	4.162		0.411	3.753
33	PCB-50	412.383	0.644	YES	0.781	5.381	28.81	28.80	1.04	1.04	NO	1.555		0.524	1.400
34	PCB-53	14163.321	0.749	NO	0.955	5.381	29.47	29.49	0.94	0.94	NO	52.14		0.518	52.14
35	PCB-51	7031.660	0.747	NO	1.02	5.381	29.82	29.83	0.95	0.95	NO	24.16		0.483	24.16
36	PCB-45	9751.544	0.747	NO	0.808	5.381	30.27	30.27	0.97	0.97	NO	42.44		0.612	42.44
37	PCB-46	4531.892	0.844	NO	0.754	5.381	30.77	30.77	0.99	0.99	NO	21.15		0.656	21.15
38	PCB-52/69	111212.105	0.721	NO	1.09	5.381	31.28	31.28	1.00	1.00	NO	358.2		0.453	358.2
39	PCB-73	366.369	0.730	NO	1.29	5.381	31.40	31.37	1.01	1.00	NO	0.9991		0.384	0.9991
40	PCB-43/49	73227.434	0.740	NO	0.940	5.381	31.56	31.59	1.01	1.01	NO	273.9		0.526	273.9
41	PCB-47	35621.039	0.725	NO	0.869	5.381	31.80	31.80	1.00	1.00	NO	134.6		0.542	134.6
42	PCB-48/75	15548.238	0.730	NO	1.02	5.381	31.91	31.93	1.00	1.00	NO	49.83		0.460	49.83
43	PCB-65				1.11	5.381	32.18		1.01		YES			0.425	
44	PCB-62				1.07	5.381	32.29		1.02		YES			0.442	
45	PCB-44	62971.129	0.732	NO	0.761	5.381	32.63	32.64	1.03	1.03	NO	271.7		0.619	271.7
46	PCB-42/59	26114.744	0.762	NO	0.960	5.381	32.84	32.86	1.03	1.03	NO	89.31		0.491	89.31
47	PCB-41/64/71/72	83706.125	0.722	NO	1.08	5.381	33.46	33.46	1.05	1.05	NO	254.0		0.435	254.0
48	PCB-68	1331.461	0.725	NO	1.11	5.381	33.72	33.72	1.06	1.06	NO	3.943		0.425	3.943
49	PCB-40	9156.099	0.744	NO	0.577	5.381	33.95	33.92	1.07	1.07	NO	52.13		0.817	52.13
50	PCB-57	926.914	0.557	YES	1.05	5.381	34.29	34.33	0.97	0.97	NO	2.429		0.359	1.997
51	PCB-67	2923.610	0.820	NO	0.993	5.381	34.62	34.63	0.98	0.98	NO	8.085		0.379	8.085
52	PCB-58	538.703	0.997	YES	1.11	5.381	34.75	34.76	0.98	0.98	NO	1.330		0.339	1.179
53	PCB-63	4499.371	0.896	YES	0.962	5.381	34.90	34.91	0.99	0.99	NO	12.85		0.392	11.99
54	PCB-74	42923.632	0.731	NO	1.07	5.381	35.19	35.19	0.99	0.99	NO	110.6		0.353	110.6
55	PCB-61/70	127286.562	0.713	NO	0.986	5.381	35.41	35.41	1.00	1.00	NO	354.6		0.382	354.6
56	PCB-76/66	116435.164	0.725	NO	1.07	5.381	35.57	35.63	1.00	1.01	NO	299.9		0.353	299.9
57	PCB-80				1.08	5.381	35.86		1.00		YES			0.342	
58	PCB-55	1884.834	0.681	NO	1.07	5.381	36.18	36.17	1.01	1.01	NO	4.683		0.347	4.683
59	PCB-56/60	67828.957	0.768	NO	0.934	5.381	36.68	36.67	1.02	1.02	NO	192.7		0.397	192.7
60	PCB-79	2745.754	0.783	NO	1.04	5.381	37.80	37.79	1.05	1.05	NO	6.975		0.355	6.975
61	PCB-78	594.901	0.856	NO	1.03	5.381	38.50	38.48	0.99	0.99	NO	1.510		0.363	1.510
62	PCB-81	1177.995	0.902	YES	0.933	5.381	39.04	39.09	1.00	1.00	NO	3.307		0.401	3.078
63	PCB-77	12679.937	0.730	NO	1.03	5.381	39.65	39.65	1.00	1.00	NO	32.80		0.373	32.80
64	PCB-104	236.962	1.321	YES	0.995	5.381	32.49	32.49	1.00	1.00	NO	0.9597		0.564	0.8964

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

#	Name	Abs Resp	RA	rvy	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	MRes	DL	EMPC
65	PCB-96	1432.835	1.226	YES	0.996	5.381	33.78	33.75	1.04	1.04	NO	5.796		0.563	5.238
66	PCB-103	3235.374	1.395	NO	0.774	5.381	34.35	34.33	1.06	1.06	NO	16.83		0.724	16.83
67	PCB-100	1772.489	1.356	NO	0.778	5.381	34.72	34.68	1.07	1.07	NO	9.181		0.721	9.181
68	PCB-94	757.593	1.998	YES	0.773	5.381	35.17	35.17	0.99	0.99	NO	5.829		0.983	4.294
69	PCB-95/98/102	95168.648	1.491	NO	1.01	5.381	35.64	35.72	1.00	1.00	NO	481.6		0.749	481.6
70	PCB-93				0.841	5.381	35.77		1.00		YES			0.904	
71	PCB-88/91	17972.238	1.452	NO	0.890	5.381	36.12	36.13	1.01	1.01	NO	103.7		0.854	103.7
72	PCB-121				1.39	5.381	36.21		1.01		YES			0.548	
73	PCB-84/92	49960.369	1.525	NO	0.879	5.381	37.07	37.06	0.99	0.99	NO	290.9		0.863	290.9
74	PCB-89	1006.082	1.892	YES	0.959	5.381	37.28	37.25	1.00	1.00	NO	5.364		0.791	4.749
75	PCB-90/101	133916.949	1.463	NO	0.944	5.381	37.46	37.46	1.00	1.00	NO	725.7		0.804	725.7
76	PCB-113				1.23	5.381	37.70		1.01		YES			0.616	
77	PCB-99	66023.414	1.494	NO	1.12	5.381	37.80	37.81	1.01	1.01	NO	301.8		0.678	301.8
78	PCB-119	6881.422	1.490	NO	1.47	5.381	38.27	38.27	0.99	0.99	NO	26.55		0.570	26.55
79	PCB-108/112	5043.095	1.491	NO	1.25	5.381	38.43	38.44	0.99	0.99	NO	22.91		0.671	22.91
80	PCB-83				1.55	5.381	38.60		1.00		YES			0.542	
81	PCB-97	27205.762	1.550	NO	1.07	5.381	38.82	38.81	1.00	1.00	NO	143.7		0.780	143.7
82	PCB-86				0.996	5.381	38.96		1.00		YES			0.842	
83	PCB-87/117/125	39086.860	1.539	NO	1.33	5.381	39.07	39.09	1.01	1.01	NO	166.5		0.629	166.5
84	PCB-111/115	2661.796	1.878	YES	1.60	5.381	39.24	39.24	1.01	1.01	NO	9.437		0.524	8.394
85	PCB-85/116	18279.252	1.489	NO	1.22	5.381	39.36	39.37	1.02	1.02	NO	85.34		0.690	85.34
86	PCB-120				1.68	5.381	39.63		1.02		YES			0.499	
87	PCB-110	155773.394	1.557	NO	1.49	5.381	39.77	39.78	1.03	1.03	NO	595.1		0.564	595.1
88	PCB-82	9835.810	1.498	NO	0.674	5.381	40.41	40.41	0.98	0.98	NO	60.19		0.905	60.19
89	PCB-124	5704.544	1.352	NO	1.16	5.381	41.15	41.14	0.99	0.99	NO	20.24		0.525	20.24
90	PCB-107/109	11318.450	1.562	NO	1.17	5.381	41.29	41.31	1.00	1.00	NO	40.06		0.523	40.06
91	PCB-123	2187.272	1.245	YES	1.04	5.381	41.46	41.46	1.00	1.00	NO	8.671		0.386	7.891
92	PCB-106/118	119485.293	1.544	NO	1.07	5.381	41.66	41.64	1.00	1.00	NO	450.4		0.553	450.4
93	PCB-114	4211.275	1.582	NO	1.16	5.381	42.32	42.30	1.00	1.00	NO	10.34		0.529	10.34
94	PCB-122	1804.108	1.419	NO	0.973	5.381	42.45	42.45	1.00	1.00	NO	5.289		0.632	5.289
95	PCB-105	61121.713	1.590	NO	1.10	5.381	43.21	43.21	1.00	1.00	NO	156.2		0.565	156.2
96	PCB-127				1.11	5.381	43.55		1.00		YES			0.530	
97	PCB-126	1139.709	2.084	YES	1.21	5.381	45.52	45.52	1.00	1.00	NO	2.829		0.562	2.348
98	PCB-155				0.874	5.381	36.99		1.00		YES			0.596	

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

	Name	Abs.Recp	FA	IVY	RRF	wLVol	Pred.RT	RT	Pred.RRT	RRT	Check.RRT	Comp	%Rec	DL	EMPC
99	99 PCB-150	519.415	1.695	YES	0.881	5.381	38.29	38.29	1.04	1.04	NO	3.692		0.501	3.069
100	100 PCB-152				1.00	5.381	38.78		1.05		YES			0.518	
101	101 PCB-145				1.00	5.381	39.22		1.06		YES			0.521	
102	102 PCB-136	18132.529	1.295	NO	0.843	5.381	39.58	39.58	1.07	1.07	NO	134.6		0.617	134.6
103	103 PCB-148	917.357	1.044	YES	0.693	5.381	39.69	39.69	1.07	1.07	NO	8.283		0.751	7.644
104	104 PCB-154	3480.492	1.023	YES	0.724	5.381	40.18	40.19	1.09	1.09	NO	30.10		0.749	27.50
105	105 PCB-151	25681.158	1.204	NO	0.632	5.381	40.85	40.86	1.11	1.11	NO	254.4		0.824	254.4
106	106 PCB-135	16341.062	1.141	NO	0.716	5.381	41.08	41.08	1.11	1.11	NO	142.9		0.727	142.9
107	107 PCB-144	3103.683	1.425	NO	0.667	5.381	41.18	41.20	1.11	1.11	NO	29.15		0.781	29.15
108	108 PCB-147	2041.034	1.400	NO	0.661	5.381	41.31	41.33	1.12	1.12	NO	19.33		0.788	19.33
109	109 PCB-139/149	83139.758	1.225	NO	0.738	5.381	41.59	41.59	1.13	1.12	NO	705.0		0.705	705.0
110	110 PCB-140	1244.709	1.153	NO	0.627	5.381	41.78	41.79	1.13	1.13	NO	12.42		0.830	12.42
111	111 PCB-134/143	7928.978	1.169	NO	0.733	5.381	42.27	42.26	0.97	0.97	NO	38.21		0.848	38.21
112	112 PCB-131/133	6806.036	1.109	NO	0.790	5.381	42.56	42.55	0.98	0.98	NO	30.44		0.787	30.44
113	113 PCB-142	268.805	1.009	YES	0.708	5.381	42.71	42.72	0.99	0.99	NO	1.342		0.879	1.218
114	114 PCB-146/165	45334.807	1.253	NO	0.959	5.381	42.96	42.96	0.99	0.99	NO	167.0		0.648	167.0
115	115 PCB-132/161	49075.793	1.172	NO	0.974	5.381	43.20	43.23	1.00	1.00	NO	178.0		0.639	178.0
116	116 PCB-153	201632.609	1.226	NO	1.01	5.381	43.38	43.38	1.00	1.00	NO	704.1		0.615	704.1
117	117 PCB-168	586.981	1.441	YES	1.02	5.381	43.61	43.61	1.01	1.01	NO	2.035		0.610	1.867
118	118 PCB-141	29449.126	1.193	NO	0.967	5.381	44.14	44.14	1.00	1.00	NO	129.6		0.767	129.6
119	119 PCB-137	4683.086	1.276	NO	0.987	5.381	44.52	44.53	1.01	1.01	NO	20.19		0.751	20.19
120	120 PCB-130	8122.473	1.326	NO	0.840	5.381	44.63	44.65	1.01	1.01	NO	41.15		0.883	41.15
121	121 PCB-138/163/164	193153.539	1.195	NO	1.23	5.381	45.01	45.01	1.00	1.00	NO	654.5		0.612	654.5
122	122 PCB-158/160	18565.837	1.156	NO	1.18	5.381	45.25	45.26	1.01	1.01	NO	65.48		0.637	65.48
123	123 PCB-129	4033.460	1.306	NO	0.819	5.381	45.50	45.52	1.01	1.01	NO	20.46		0.916	20.46
124	124 PCB-166	634.635	1.843	YES	1.07	5.381	46.00	45.97	0.99	0.99	NO	1.958		0.546	1.543
125	125 PCB-159	2927.786	1.067	NO	1.12	5.381	46.33	46.39	1.00	1.00	NO	8.628		0.522	8.628
126	126 PCB-128/162	22104.448	1.131	NO	0.851	5.381	46.62	46.60	1.01	1.01	NO	85.70		0.686	85.70
127	127 PCB-167	7008.657	1.054	NO	1.04	5.381	47.04	47.04	1.00	1.00	NO	22.39		0.557	22.39
128	128 PCB-156	15363.802	1.164	NO	1.06	5.381	48.36	48.36	1.00	1.00	NO	50.71		0.576	50.71
129	129 PCB-157	3392.010	1.182	NO	0.978	5.381	48.65	48.63	1.00	1.00	NO	12.26		0.655	12.26
130	130 PCB-169				1.11	5.381	50.92		1.00		YES			0.673	
131	131 PCB-188	200.519	1.922	YES	1.19	5.381	43.00	42.98	1.00	1.00	NO	0.7770		0.477	0.5451
132	132 PCB-184	243.946	0.555	YES	1.17	5.381	43.44	43.44	1.01	1.01	NO	0.9667		0.487	0.6735

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

	Name	Abn Res	RA	Wt	RRF	Wt/Vol	Pred RT	RT	Pred RRT	RRT	Check RRA	Concn	Wt/Rep	DI	EMPG
133	PCB-179	25292.177	1.060	NO	1.18	5.381	44.25	44.25	1.03	1.03	NO	99.43		0.483	99.43
134	PCB-176	7083.321	1.053	NO	1.16	5.381	44.72	44.72	1.04	1.04	NO	28.25		0.490	28.25
135	PCB-186				1.22	5.381	45.33		1.06		YES			0.467	
136	PCB-178	9369.310	1.034	NO	0.830	5.381	45.84	45.88	1.07	1.07	NO	52.16		0.685	52.16
137	PCB-175	1670.646	1.162	NO	0.849	5.381	46.20	46.24	1.08	1.08	NO	9.103		0.670	9.103
138	PCB-182/187	55179.591	1.079	NO	0.960	5.381	46.40	46.39	1.08	1.08	NO	265.8		0.592	265.8
139	PCB-183	22884.788	1.023	NO	0.957	5.381	46.73	46.73	1.09	1.09	NO	110.6		0.594	110.6
140	PCB-185	4791.990	0.952	NO	1.32	5.381	47.43	47.42	0.95	0.95	NO	25.51		0.675	25.51
141	PCB-174	36598.776	1.049	NO	1.22	5.381	47.80	47.79	0.96	0.96	NO	210.9		0.731	210.9
142	PCB-181	669.510	1.018	NO	1.41	5.381	47.90	47.89	0.96	0.96	NO	3.324		0.630	3.324
143	PCB-177	20536.225	1.060	NO	1.24	5.381	48.08	48.06	0.97	0.97	NO	116.3		0.718	116.3
144	PCB-171	9289.744	1.081	NO	1.24	5.381	48.37	48.36	0.97	0.97	NO	52.53		0.717	52.53
145	PCB-173	737.090	1.081	NO	1.14	5.381	48.81	48.82	0.98	0.98	NO	4.535		0.780	4.535
146	PCB-172	5430.592	0.995	NO	1.31	5.381	49.29	49.27	0.99	0.99	NO	29.18		0.681	29.18
147	PCB-192				1.70	5.381	49.48		1.00		YES			0.523	
148	PCB-180	78800.933	1.042	NO	1.32	5.381	49.69	49.69	1.00	1.00	NO	419.3		0.675	419.3
149	PCB-193	5603.140	1.129	NO	1.54	5.381	49.92	49.90	1.00	1.00	NO	25.57		0.579	25.57
150	PCB-191	1640.712	1.688	YES	1.57	5.381	50.16	50.16	1.01	1.01	NO	7.324		0.586	5.585
151	PCB-170	27394.247	1.127	NO	1.36	5.381	51.36	51.36	1.00	1.00	NO	166.3		0.759	166.3
152	PCB-190	8840.774	1.164	NO	1.84	5.381	51.54	51.56	1.00	1.00	NO	39.66		0.561	39.66
153	PCB-189	1117.923	1.200	NO	1.33	5.381	53.10	53.10	1.00	1.00	NO	5.795		0.559	5.795
154	PCB-202	3967.724	0.953	NO	1.02	5.381	48.59	48.59	1.00	1.00	NO	25.74		0.923	25.74
155	PCB-201	2137.761	0.766	NO	0.915	5.381	49.08	49.08	1.01	1.01	NO	15.52		1.03	15.52
156	PCB-204	228.338	1.355	YES	0.979	5.381	49.22	49.25	1.01	1.01	NO	1.550		0.965	1.244
157	PCB-197	775.641	0.665	YES	0.979	5.381	49.54	49.54	1.02	1.02	NO	5.264		0.965	4.466
158	PCB-200	2295.217	0.998	NO	0.954	5.381	50.49	50.48	1.04	1.04	NO	15.98		0.990	15.98
159	PCB-198	687.174	1.454	YES	0.748	5.381	52.04	52.06	1.07	1.07	NO	6.102		1.26	4.699
160	PCB-199	10014.394	0.879	NO	0.706	5.381	52.16	52.19	1.07	1.07	NO	94.26		1.34	94.26
161	PCB-196/203	12094.052	0.820	NO	0.785	5.381	52.48	52.49	1.08	1.08	NO	102.4		1.20	102.4
162	PCB-195	5993.533	0.914	NO	1.03	5.381	53.80	53.80	0.98	0.98	NO	41.92		0.868	41.92
163	PCB-194	13932.802	0.847	NO	1.16	5.381	54.72	54.72	1.00	1.00	NO	87.11		0.776	87.11
164	PCB-205	879.831	1.199	YES	1.40	5.381	54.98	55.00	1.01	1.01	NO	4.540		0.641	3.903
165	PCB-208	3948.701	1.127	YES	0.934	5.381	53.95	53.96	1.00	1.00	NO	24.22		0.966	22.41
166	PCB-207	2072.048	1.474	NO	0.912	5.381	54.26	54.28	1.01	1.01	NO	13.02		0.580	13.02

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-11.qld

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

	Name	Abs Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	MinRec	D	EMPC
167	167 PCB-206	7214.171	1.227	NO	0.987	5.381	56.26	56.26	1.00	1.00	NO	71.61		0.854	71.61
168	168 PCB-209	10028.062	1.192	NO	0.943	5.381	57.48	57.50	1.00	1.00	NO	105.4		0.944	105.4
169	169 13C-PCB-1	663972.391	3.155	NO	1.08	5.381	15.52	15.51	0.61	0.61	NO	937.4	50.4	2.93	
170	170 13C-PCB-3	723665.563	3.124	NO	1.09	5.381	18.17	18.14	0.71	0.71	NO	1009	54.3	2.89	
171	171 13C-PCB-4	523697.876	1.597	NO	0.640	5.381	19.52	19.51	0.77	0.76	NO	1245	67.0	0.982	
172	172 13C-PCB-9	884890.813	1.594	NO	0.995	5.381	21.35	21.33	0.84	0.84	NO	1352	72.8	0.632	
173	173 13C-PCB-11	852791.501	1.613	NO	0.971	5.381	24.80	24.80	0.97	0.97	NO	1335	71.9	0.647	
174	174 13C-PCB-19	459254.235	1.017	NO	0.637	5.381	23.75	23.75	0.93	0.93	NO	1096	59.0	5.61	
175	175 13C-PCB-32	725239.969	0.999	NO	0.910	5.381	26.75	26.74	1.05	1.05	NO	1212	65.2	3.93	
176	176 13C-PCB-28	963865.688	0.971	NO	1.07	5.381	28.74	28.75	1.00	1.00	NO	1560	83.9	4.47	
177	177 13C-PCB-37	907954.750	0.973	NO	0.959	5.381	32.72	32.77	1.14	1.14	NO	1637	88.1	4.98	
178	178 13C-PCB-54	630831.469	0.770	NO	1.10	5.381	27.60	27.59	0.75	0.75	NO	1272	68.4	1.15	
179	179 13C-PCB-52	528587.937	0.757	NO	0.844	5.381	31.26	31.24	0.85	0.85	NO	1387	74.6	1.49	
180	180 13C-PCB-47	566108.125	0.761	NO	0.893	5.381	31.78	31.78	0.87	0.87	NO	1404	75.5	1.41	
181	181 13C-PCB-70	676857.719	0.779	NO	1.01	5.381	35.41	35.39	0.97	0.96	NO	1488	80.0	1.25	
182	182 13C-PCB-80	700210.063	0.780	NO	1.05	5.381	35.84	35.84	0.98	0.98	NO	1483	79.8	1.20	
183	183 13C-PCB-81	709468.719	0.765	NO	0.985	5.381	39.04	39.02	1.06	1.06	NO	1595	85.8	1.28	
184	184 13C-PCB-77	695644.407	0.765	NO	0.958	5.381	39.65	39.63	1.08	1.08	NO	1608	86.5	1.31	
185	185 13C-PCB-104	461409.907	1.610	NO	1.10	5.381	32.45	32.47	0.83	0.83	NO	1398	75.2	1.05	
186	186 13C-PCB-95	361970.797	1.585	NO	0.852	5.381	35.70	35.69	0.91	0.91	NO	1412	76.0	1.35	
187	187 13C-PCB-101	363362.250	1.633	NO	0.814	5.381	37.44	37.44	0.95	0.95	NO	1484	79.8	1.42	
188	188 13C-PCB-97	327433.633	1.665	NO	0.709	5.381	38.79	38.78	0.99	0.99	NO	1534	82.5	1.63	
189	189 13C-PCB-123	450290.032	1.593	NO	0.922	5.381	41.44	41.44	1.06	1.06	NO	1624	87.4	1.25	
190	190 13C-PCB-118	460842.562	1.620	NO	0.975	5.381	41.62	41.62	1.06	1.06	NO	1571	84.5	1.18	
191	191 13C-PCB-114	651870.125	1.536	NO	1.52	5.381	42.29	42.30	0.91	0.91	NO	1679	90.3	1.24	
192	192 13C-PCB-105	660634.875	1.511	NO	1.58	5.381	43.18	43.19	0.93	0.93	NO	1633	87.9	1.19	
193	193 13C-PCB-127	683227.594	1.518	NO	1.62	5.381	43.52	43.53	0.93	0.93	NO	1649	88.7	1.16	
194	194 13C-PCB-126	617509.704	1.542	NO	1.45	5.381	45.49	45.50	0.98	0.98	NO	1672	90.0	1.30	
195	195 13C-PCB-155	296875.946	1.312	NO	1.03	5.381	36.99	36.97	0.94	0.94	NO	961.5	51.7	0.450	
196	196 13C-PCB-153	525891.594	1.280	NO	1.42	5.381	43.35	43.36	0.93	0.93	NO	1446	77.8	1.37	
197	197 13C-PCB-141	436622.125	1.254	NO	1.14	5.381	44.10	44.12	0.95	0.95	NO	1495	80.5	1.70	
198	198 13C-PCB-138	447253.406	1.270	NO	1.18	5.381	44.98	44.97	0.97	0.97	NO	1483	79.8	1.65	
199	199 13C-PCB-159	563529.562	1.288	NO	1.43	5.381	46.29	46.32	0.99	0.99	NO	1539	82.8	1.36	
200	200 13C-PCB-167	558149.735	1.288	NO	1.42	5.381	47.01	47.02	1.01	1.01	NO	1534	82.5	1.37	

Dataset: U:\WG11.PRO\Results\191010K2\191010K2-11.qld

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

#	Name	Abs Resp	RA	IV	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc.	% Rec	DL	EMPC
201	13C-PCB-156	532744.141	1.253	NO	1.40	5.381	48.31	48.34	1.04	1.04	NO	1492	80.3	1.39	
202	13C-PCB-157	526071.297	1.280	NO	1.41	5.381	48.61	48.61	1.04	1.04	NO	1464	78.8	1.38	
203	13C-PCB-169	465795.735	1.255	NO	1.35	5.381	50.88	50.90	1.09	1.09	NO	1354	72.9	1.45	
204	13C-PCB-188	401963.797	0.449	NO	1.46	5.381	43.00	42.96	0.93	0.93	NO	1476	79.4	1.04	
205	13C-PCB-180	264618.813	0.468	NO	0.932	5.381	49.67	49.67	1.07	1.07	NO	1525	82.0	1.63	
206	13C-PCB-170	224919.367	0.461	NO	0.796	5.381	51.34	51.34	1.11	1.11	NO	1518	81.7	1.91	
207	13C-PCB-189	269031.797	0.434	NO	1.09	5.381	53.05	53.08	1.14	1.14	NO	1325	71.3	1.39	
208	13C-PCB-202	279711.093	0.915	NO	1.45	5.381	48.54	48.55	1.04	1.04	NO	1036	55.7	0.853	
209	13C-PCB-194	257151.008	0.883	NO	0.714	5.381	54.71	54.70	1.00	0.99	NO	1806	97.2	1.64	
210	13C-PCB-208	324296.188	0.796	NO	0.896	5.381	53.96	53.93	0.98	0.98	NO	1814	97.6	1.36	
211	13C-PCB-206	189598.937	0.789	NO	0.653	5.381	56.22	56.24	1.02	1.02	NO	1456	78.3	1.87	
212	13C-PCB-209	187552.000	1.182	NO	0.806	5.381	57.48	57.48	1.05	1.05	NO	1167	62.8	0.857	
213	13C-PCB-15	1221766.3...	1.585	NO	1.00	5.381	25.49	25.51	1.00	0.00	NO	1859	100	0.629	
214	13C-PCB-31	1074089.1...	0.951	NO	1.00	5.381	28.64	28.64	1.00	0.00	NO	1859	100	4.78	
215	13C-PCB-60	839164.875	0.781	NO	1.00	5.381	36.66	36.67	1.00	0.00	NO	1859	100	1.26	
216	13C-PCB-111	559310.719	1.622	NO	1.00	5.381	39.22	39.24	1.00	0.00	NO	1859	100	1.15	
217	13C-PCB-128	474875.641	1.312	NO	1.00	5.381	46.58	46.58	1.00	0.00	NO	1859	100	1.95	
218	13C-PCB-182	346075.016	0.459	NO	1.00	5.381	46.41	46.41	0.00	0.00	NO	1859	100	1.52	
219	13C-PCB-205	370891.672	0.902	NO	1.00	5.381	54.98	54.98	1.00	0.00	NO	1859	100	1.17	
220	13C-PCB-79	736160.625	0.776	NO	1.03	5.381	37.77	37.77	1.03	1.03	NO	1580	85.0	1.22	
221	13C-PCB-178	262634.023	0.433	NO	0.875	5.381	45.86	45.84	0.99	0.99	NO	1175	63.2	1.24	
222	13C-PCB-79	736160.625	0.776	NO	1.05	5.381	37.75	37.77	0.97	0.97	NO	1845	99.3	1.44	
223	13C-PCB-178	262634.023	0.433	NO	0.975	5.381	45.88	45.84	0.92	0.92	NO	1892	102	2.03	
224	Total Mono-PCBs				1.01	5.381	0.00		0.00		NO	25.55		0.758	25.55
225	Total Di-PCBs				1.06	5.381	0.00		0.00		NO	179.7		5.01	183.5
226	2nd Function Tri-PCBs				0.914	5.381	0.00		0.00		NO	261.5		2.33	261.5
227	3rd Function Tri-PCBs				1.06	5.381	0.00		0.00		NO	521.3	782.8 ✓	6.40	791 529.5
228	Total Tetra-PCBs				0.986	5.381	0.00		0.00		NO	2640		14.4	2664
229	3rd Function Penta-PCBs				1.12	5.381	0.00		0.00		NO	3541	3712.8 ✓	19.8	3572
230	4th Function Penta-PCBs				1.11	5.381	0.00		0.00		NO	171.8	3746.2 ✓	2.82	174.2
231	3rd Function Hexa-PCBs				0.774	5.381	0.00		0.00		NO	1298	3527 ✓	8.97	1336
232	4th Function Hexa-PCBs				0.972	5.381	0.00		0.00		NO	2229	3569 ✓	13.8	2233
233	Total Hepta-PCBs				1.26	5.381	0.00		0.00		NO	1664		14.1	1671
234	4th Function Octa-PCBs				0.886	5.381	0.00		0.00		NO	253.9	382.9 ✓	8.68	397.2 264.3

129 } 131.9

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-11.qld

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

Peak	Name	Abs Resp	RA	DO	RRS	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	WRec	D	GUIC
235	5th Function Octa-PCBs				1.20	5.381	0.00		0.00		NO	129.0		2.29	132.9
236	Total Nona-PCBs				0.945	5.381	0.00		0.00		NO	84.63		2.00	107.0
237	Deca-CB				0.943	5.381	0.00		0.00		NO	105.4		0.944	105.4

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-11.qld

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

Total Mono-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	3 PCB-3	2.60e3	7.24e5	2.807	NO	18.15	18.17	6.624	6.624
2	2 PCB-2	5.18e3	7.24e5	3.110	NO	17.93	17.93	13.18	13.18
3	1 PCB-1	2.09e3	6.64e5	2.992	NO	15.52	15.52	5.741	5.741

Total Di-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	4 PCB-4/10	6.96e3	5.24e5	1.598	NO	19.59	19.53	19.36	19.36
2	11 PCB-15	2.13e4	8.53e5	1.432	NO	25.55	25.53	45.17	45.17
3	10 PCB-12/13	3.01e3	8.53e5	1.763	NO	25.25	25.19	6.330	6.330
4	9 PCB-11	2.88e4	8.53e5	1.432	NO	24.82	24.82	57.30	57.30
5	7 PCB-5/8	1.94e4	8.85e5	1.500	NO	22.45	22.44	40.22	40.22
6	6 PCB-6	5.49e3	8.85e5	1.360	NO	22.04	22.04	11.33	11.33
7	5 PCB-7/9	2.22e3	8.85e5	0.940	YES	21.39	21.37	0.0000	3.792

2nd Function Tri-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	17 PCB-16/32	2.36e4	7.25e5	1.001	NO	26.76	26.76	76.34	76.34
2	16 PCB-24/27	4.00e3	7.25e5	0.949	NO	26.23	26.20	11.20	11.20
3	15 PCB-17	1.26e4	7.25e5	0.983	NO	25.62	25.62	48.48	48.48
4	14 PCB-18	2.62e4	7.25e5	0.961	NO	25.46	25.45	96.82	96.82
5	12 PCB-19	6.61e3	4.59e5	0.928	NO	23.78	23.77	28.63	28.63

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-11.qld

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

3rd Function Tri-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	26 PCB-22	2.59e4	9.64e5	1.073	NO	29.86	29.86	48.33	48.33
2	25 PCB-20/21/33	3.87e4	9.64e5	1.038	NO	29.39	29.43	74.27	74.27
3	24 PCB-28	9.55e4	9.64e5	1.043	NO	28.76	28.76	166.5	166.5
4	23 PCB-31	7.44e4	9.64e5	1.037	NO	28.68	28.67	127.8	127.8
5	22 PCB-25	8.66e3	9.64e5	0.933	NO	28.31	28.30	17.08	17.08
6	21 PCB-26	1.45e4	9.64e5	0.999	NO	28.14	28.13	27.98	27.98
7	18 PCB-34	8.96e2	9.64e5	1.292	YES	27.57	27.56	0.0000	1.558
8	31 PCB-37	3.21e4	9.08e5	1.115	NO	32.80	32.78	59.42	59.42
9	30 PCB-35	2.21e3	9.08e5	1.611	YES	32.35	32.38	0.0000	3.115
10	29 PCB-38	1.71e3	9.08e5	1.518	YES	31.80	31.80	0.0000	2.512
11	20 PCB-29	5.96e2	9.64e5	0.703	YES	27.93	27.93	0.0000	0.9761

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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

Total Tetra-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	38 PCB-52/69	1.11e5	5.29e5	0.721	NO	31.28	31.28	358.2	358.2
2	37 PCB-46	4.53e3	5.29e5	0.844	NO	30.77	30.77	21.15	21.15
3	36 PCB-45	9.75e3	5.29e5	0.747	NO	30.27	30.27	42.44	42.44
4	35 PCB-51	7.03e3	5.29e5	0.747	NO	29.82	29.83	24.16	24.16
5	34 PCB-53	1.42e4	5.29e5	0.749	NO	29.47	29.49	52.14	52.14
6	33 PCB-50	4.12e2	6.31e5	0.644	YES	28.81	28.80	0.0000	1.400
7	32 PCB-54	1.41e3	6.31e5	0.645	YES	27.61	27.61	0.0000	3.753
8	58 PCB-55	1.88e3	7.00e5	0.681	NO	36.18	36.17	4.683	4.683
9	56 PCB-76/66	1.16e5	6.77e5	0.725	NO	35.57	35.63	299.9	299.9
10	55 PCB-61/70	1.27e5	6.77e5	0.713	NO	35.41	35.41	354.6	354.6
11	54 PCB-74	4.29e4	6.77e5	0.731	NO	35.19	35.19	110.6	110.6
12	53 PCB-63	4.50e3	6.77e5	0.896	YES	34.90	34.91	0.0000	11.99
13	52 PCB-58	5.39e2	6.77e5	0.997	YES	34.75	34.76	0.0000	1.179
14	51 PCB-67	2.92e3	6.77e5	0.820	NO	34.62	34.63	8.085	8.085
15	50 PCB-57	9.27e2	6.77e5	0.557	YES	34.29	34.33	0.0000	1.997
16	49 PCB-40	9.16e3	5.66e5	0.744	NO	33.95	33.92	52.13	52.13
17	48 PCB-68	1.33e3	5.66e5	0.725	NO	33.72	33.72	3.943	3.943
18	47 PCB-41/64/71/72	8.37e4	5.66e5	0.722	NO	33.46	33.46	254.0	254.0
19	46 PCB-42/59	2.61e4	5.66e5	0.762	NO	32.84	32.86	89.31	89.31
20	45 PCB-44	6.30e4	5.66e5	0.732	NO	32.63	32.64	271.7	271.7
21	42 PCB-48/75	1.55e4	5.66e5	0.730	NO	31.91	31.93	49.83	49.83
22	41 PCB-47	3.56e4	5.66e5	0.725	NO	31.80	31.80	134.6	134.6
23	40 PCB-43/49	7.32e4	5.29e5	0.740	NO	31.56	31.59	273.9	273.9
24	63 PCB-77	1.27e4	6.96e5	0.730	NO	39.65	39.65	32.80	32.80
25	62 PCB-81	1.18e3	7.09e5	0.902	YES	39.04	39.09	0.0000	3.078
26	61 PCB-78	5.95e2	7.09e5	0.856	NO	38.50	38.48	1.510	1.510
27	60 PCB-79	2.75e3	7.00e5	0.783	NO	37.80	37.79	6.975	6.975
28	59 PCB-56/60	6.78e4	7.00e5	0.768	NO	36.68	36.67	192.7	192.7
29	39 PCB-73	3.66e2	5.29e5	0.730	NO	31.40	31.37	0.9991	0.9991

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3rd Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	65 PCB-96	1.43e3	4.61e5	1.226	YES	33.78	33.75	0.0000	5.238
2	64 PCB-104	2.37e2	4.61e5	1.321	YES	32.49	32.49	0.0000	0.8964
3	85 PCB-85/116	1.83e4	3.27e5	1.489	NO	39.36	39.37	85.34	85.34
4	84 PCB-111/115	2.66e3	3.27e5	1.878	YES	39.24	39.24	0.0000	8.394
5	83 PCB-87/117/125	3.91e4	3.27e5	1.539	NO	39.07	39.09	166.5	166.5
6	81 PCB-97	2.72e4	3.27e5	1.550	NO	38.82	38.81	143.7	143.7
7	79 PCB-108/112	5.04e3	3.27e5	1.491	NO	38.43	38.44	22.91	22.91
8	78 PCB-119	6.88e3	3.27e5	1.490	NO	38.27	38.27	26.55	26.55
9	77 PCB-99	6.60e4	3.63e5	1.494	NO	37.80	37.81	301.8	301.8
10	75 PCB-90/101	1.34e5	3.63e5	1.463	NO	37.46	37.46	725.7	725.7
11	74 PCB-89	1.01e3	3.63e5	1.892	YES	37.28	37.25	0.0000	4.749
12	73 PCB-84/92	5.00e4	3.63e5	1.525	NO	37.07	37.06	290.9	290.9
13	71 PCB-88/91	1.80e4	3.62e5	1.452	NO	36.12	36.13	103.7	103.7
14	69 PCB-95/98/102	9.52e4	3.62e5	1.491	NO	35.64	35.72	481.6	481.6
15	68 PCB-94	7.58e2	3.62e5	1.998	YES	35.17	35.17	0.0000	4.294
16	67 PCB-100	1.77e3	4.61e5	1.356	NO	34.72	34.68	9.181	9.181
17	66 PCB-103	3.24e3	4.61e5	1.395	NO	34.35	34.33	16.83	16.83
18	92 PCB-106/118	1.19e5	4.61e5	1.544	NO	41.66	41.64	450.4	450.4
19	91 PCB-123	2.19e3	4.50e5	1.245	YES	41.46	41.46	0.0000	7.891
20	90 PCB-107/109	1.13e4	4.50e5	1.562	NO	41.29	41.31	40.06	40.06
21	89 PCB-124	5.70e3	4.50e5	1.352	NO	41.15	41.14	20.24	20.24
22	88 PCB-82	9.84e3	4.50e5	1.498	NO	40.41	40.41	60.19	60.19
23	87 PCB-110	1.56e5	3.27e5	1.557	NO	39.77	39.78	595.1	595.1

4th Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	97 PCB-126	1.14e3	6.18e5	2.084	YES	45.52	45.52	0.0000	2.348
2	95 PCB-105	6.11e4	6.61e5	1.590	NO	43.21	43.21	156.2	156.2
3	94 PCB-122	1.80e3	6.52e5	1.419	NO	42.45	42.45	5.289	5.289
4	93 PCB-114	4.21e3	6.52e5	1.582	NO	42.32	42.30	10.34	10.34

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3rd Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	108 PCB-147	2.04e3	2.97e5	1.400	NO	41.31	41.33	19.33	19.33
2	107 PCB-144	3.10e3	2.97e5	1.425	NO	41.18	41.20	29.15	29.15
3	106 PCB-135	1.63e4	2.97e5	1.141	NO	41.08	41.08	142.9	142.9
4	105 PCB-151	2.57e4	2.97e5	1.204	NO	40.85	40.86	254.4	254.4
5	104 PCB-154	3.48e3	2.97e5	1.023	YES	40.18	40.19	0.0000	27.50
6	103 PCB-148	9.17e2	2.97e5	1.044	YES	39.69	39.69	0.0000	7.644
7	102 PCB-136	1.81e4	2.97e5	1.295	NO	39.58	39.58	134.6	134.6
8	99 PCB-150	5.19e2	2.97e5	1.695	YES	38.29	38.29	0.0000	3.069
9	110 PCB-140	1.24e3	2.97e5	1.153	NO	41.78	41.79	12.42	12.42
10	109 PCB-139/149	8.31e4	2.97e5	1.225	NO	41.59	41.59	705.0	705.0

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4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	116 PCB-153	2.02e5	5.26e5	1.226	NO	43.38	43.38	704.1	704.1
2	115 PCB-132/161	4.91e4	5.26e5	1.172	NO	43.20	43.23	178.0	178.0
3	114 PCB-146/165	4.53e4	5.26e5	1.253	NO	42.96	42.96	167.0	167.0
4	113 PCB-142	2.69e2	5.26e5	1.009	YES	42.71	42.72	0.0000	1.218
5	112 PCB-131/133	6.81e3	5.26e5	1.109	NO	42.56	42.55	30.44	30.44
6	111 PCB-134/143	7.93e3	5.26e5	1.169	NO	42.27	42.26	38.21	38.21
7	127 PCB-167	7.01e3	5.58e5	1.054	NO	47.04	47.04	22.39	22.39
8	126 PCB-128/162	2.21e4	5.64e5	1.131	NO	46.62	46.60	85.70	85.70
9	125 PCB-159	2.93e3	5.64e5	1.067	NO	46.33	46.39	8.628	8.628
10	124 PCB-166	6.35e2	5.64e5	1.843	YES	46.00	45.97	0.0000	1.543
11	123 PCB-129	4.03e3	4.47e5	1.306	NO	45.50	45.52	20.46	20.46
12	122 PCB-158/160	1.86e4	4.47e5	1.156	NO	45.25	45.26	65.48	65.48
13	121 PCB-138/163/164	1.93e5	4.47e5	1.195	NO	45.01	45.01	654.5	654.5
14	120 PCB-130	8.12e3	4.37e5	1.326	NO	44.63	44.65	41.15	41.15
15	119 PCB-137	4.68e3	4.37e5	1.276	NO	44.52	44.53	20.19	20.19
16	118 PCB-141	2.94e4	4.37e5	1.193	NO	44.14	44.14	129.6	129.6
17	117 PCB-168	5.87e2	5.26e5	1.441	YES	43.61	43.61	0.0000	1.867
18	129 PCB-157	3.39e3	5.26e5	1.182	NO	48.65	48.63	12.26	12.26
19	128 PCB-156	1.54e4	5.33e5	1.164	NO	48.36	48.36	50.71	50.71

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Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	134 PCB-176	7.08e3	4.02e5	1.053	NO	44.72	44.72	28.25	28.25
2	133 PCB-179	2.53e4	4.02e5	1.060	NO	44.25	44.25	99.43	99.43
3	132 PCB-184	2.44e2	4.02e5	0.555	YES	43.44	43.44	0.0000	0.6735
4	131 PCB-188	2.01e2	4.02e5	1.922	YES	43.00	42.98	0.0000	0.5451
5	151 PCB-170	2.74e4	2.25e5	1.127	NO	51.36	51.36	166.3	166.3
6	150 PCB-191	1.64e3	2.65e5	1.688	YES	50.16	50.16	0.0000	5.585
7	149 PCB-193	5.60e3	2.65e5	1.129	NO	49.92	49.90	25.57	25.57
8	148 PCB-180	7.88e4	2.65e5	1.042	NO	49.69	49.69	419.3	419.3
9	146 PCB-172	5.43e3	2.65e5	0.995	NO	49.29	49.27	29.18	29.18
10	145 PCB-173	7.37e2	2.65e5	1.081	NO	48.81	48.82	4.535	4.535
11	144 PCB-171	9.29e3	2.65e5	1.081	NO	48.37	48.36	52.53	52.53
12	143 PCB-177	2.05e4	2.65e5	1.060	NO	48.08	48.06	116.3	116.3
13	141 PCB-174	3.66e4	2.65e5	1.049	NO	47.80	47.79	210.9	210.9
14	140 PCB-185	4.79e3	2.65e5	0.952	NO	47.43	47.42	25.51	25.51
15	139 PCB-183	2.29e4	4.02e5	1.023	NO	46.73	46.73	110.6	110.6
16	138 PCB-182/187	5.52e4	4.02e5	1.079	NO	46.40	46.39	265.8	265.8
17	137 PCB-175	1.67e3	4.02e5	1.162	NO	46.20	46.24	9.103	9.103
18	136 PCB-178	9.37e3	4.02e5	1.034	NO	45.84	45.88	52.16	52.16
19	153 PCB-189	1.12e3	2.69e5	1.200	NO	53.10	53.10	5.795	5.795
20	152 PCB-190	8.84e3	2.25e5	1.164	NO	51.54	51.56	39.66	39.66
21	142 PCB-181	6.70e2	2.65e5	1.018	NO	47.90	47.89	3.324	3.324

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4th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	161 PCB-196/203	1.21e4	2.80e5	0.820	NO	52.48	52.49	102.4	102.4
2	160 PCB-199	1.00e4	2.80e5	0.879	NO	52.16	52.19	94.26	94.26
3	159 PCB-198	6.87e2	2.80e5	1.454	YES	52.04	52.06	0.0000	4.699
4	158 PCB-200	2.30e3	2.80e5	0.998	NO	50.49	50.48	15.98	15.98
5	157 PCB-197	7.76e2	2.80e5	0.665	YES	49.54	49.54	0.0000	4.466
6	156 PCB-204	2.28e2	2.80e5	1.355	YES	49.22	49.25	0.0000	1.244
7	155 PCB-201	2.14e3	2.80e5	0.766	NO	49.08	49.08	15.52	15.52
8	154 PCB-202	3.97e3	2.80e5	0.953	NO	48.59	48.59	25.74	25.74

5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	164 PCB-205	8.80e2	2.57e5	1.199	YES	54.98	55.00	0.0000	3.903
2	163 PCB-194	1.39e4	2.57e5	0.847	NO	54.72	54.72	87.11	87.11
3	162 PCB-195	5.99e3	2.57e5	0.914	NO	53.80	53.80	41.92	41.92

Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	167 PCB-206	7.21e3	1.90e5	1.227	NO	56.26	56.26	71.61	71.61
2	166 PCB-207	2.07e3	3.24e5	1.474	NO	54.26	54.28	13.02	13.02
3	165 PCB-208	3.95e3	3.24e5	1.127	YES	53.95	53.96	0.0000	22.41

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	168 PCB-209	1.00e4	1.88e5	1.192	NO	57.48	57.50	105.4	105.4

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

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Total Mono-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	170 13C-PCB-3	7.24e5	1.22e6	3.124	NO	18.17	18.14	1009	
2	169 13C-PCB-1	6.64e5	1.22e6	3.155	NO	15.52	15.51	937.4	

Total Di-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	213 13C-PCB-15	1.22e6	1.22e6	1.585	NO	25.49	25.51	1859	
2	173 13C-PCB-11	8.53e5	1.22e6	1.613	NO	24.80	24.80	1335	
3	172 13C-PCB-9	8.85e5	1.22e6	1.594	NO	21.35	21.33	1352	
4	171 13C-PCB-4	5.24e5	1.22e6	1.597	NO	19.52	19.51	1245	

2nd Function Tri-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	174 13C-PCB-19	4.59e5	1.22e6	1.017	NO	23.75	23.75	1096	
2	175 13C-PCB-32	7.25e5	1.22e6	0.999	NO	26.75	26.74	1212	

3rd Function Tri-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	177 13C-PCB-37	9.08e5	1.07e6	0.973	NO	32.72	32.77	1637	
2	176 13C-PCB-28	9.64e5	1.07e6	0.971	NO	28.74	28.75	1560	
3	214 13C-PCB-31	1.07e6	1.07e6	0.951	NO	28.64	28.64	1859	

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Tetra-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	178 13C-PCB-54	6.31e5	8.39e5	0.770	NO	27.60	27.59	1272	
2	220 13C-PCB-79	7.36e5	8.39e5	0.776	NO	37.77	37.77	1580	
3	215 13C-PCB-60	8.39e5	8.39e5	0.781	NO	36.66	36.67	1859	
4	182 13C-PCB-80	7.00e5	8.39e5	0.780	NO	35.84	35.84	1483	
5	181 13C-PCB-70	6.77e5	8.39e5	0.779	NO	35.41	35.39	1488	
6	180 13C-PCB-47	5.66e5	8.39e5	0.761	NO	31.78	31.78	1404	
7	179 13C-PCB-52	5.29e5	8.39e5	0.757	NO	31.26	31.24	1387	
8	184 13C-PCB-77	6.96e5	8.39e5	0.765	NO	39.65	39.63	1608	
9	183 13C-PCB-81	7.09e5	8.39e5	0.765	NO	39.04	39.02	1595	

3rd Function Penta-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	185 13C-PCB-104	4.61e5	5.59e5	1.610	NO	32.45	32.47	1398	
2	188 13C-PCB-97	3.27e5	5.59e5	1.665	NO	38.79	38.78	1534	
3	187 13C-PCB-101	3.63e5	5.59e5	1.633	NO	37.44	37.44	1484	
4	186 13C-PCB-95	3.62e5	5.59e5	1.585	NO	35.70	35.69	1412	
5	190 13C-PCB-118	4.61e5	5.59e5	1.620	NO	41.62	41.62	1571	
6	189 13C-PCB-123	4.50e5	5.59e5	1.593	NO	41.44	41.44	1624	
7	216 13C-PCB-111	5.59e5	5.59e5	1.622	NO	39.22	39.24	1859	

4th Function Penta-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	193 13C-PCB-127	6.83e5	4.75e5	1.518	NO	43.52	43.53	1649	
2	192 13C-PCB-105	6.61e5	4.75e5	1.511	NO	43.18	43.19	1633	
3	191 13C-PCB-114	6.52e5	4.75e5	1.536	NO	42.29	42.30	1679	
4	194 13C-PCB-126	6.18e5	4.75e5	1.542	NO	45.49	45.50	1672	

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4th Function Hexa-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	202 13C-PCB-157	5.26e5	4.75e5	1.280	NO	48.61	48.61	1464	
2	201 13C-PCB-156	5.33e5	4.75e5	1.253	NO	48.31	48.34	1492	
3	200 13C-PCB-167	5.58e5	4.75e5	1.288	NO	47.01	47.02	1534	
4	217 13C-PCB-128	4.75e5	4.75e5	1.312	NO	46.58	46.58	1859	
5	199 13C-PCB-159	5.64e5	4.75e5	1.288	NO	46.29	46.32	1539	
6	198 13C-PCB-138	4.47e5	4.75e5	1.270	NO	44.98	44.97	1483	
7	197 13C-PCB-141	4.37e5	4.75e5	1.254	NO	44.10	44.12	1495	
8	196 13C-PCB-153	5.26e5	4.75e5	1.280	NO	43.35	43.36	1446	
9	203 13C-PCB-169	4.66e5	4.75e5	1.255	NO	50.88	50.90	1354	

5th Function Octa-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	219 13C-PCB-205	3.71e5	3.71e5	0.902	NO	54.98	54.98	1859	
2	209 13C-PCB-194	2.57e5	3.71e5	0.883	NO	54.71	54.70	1806	

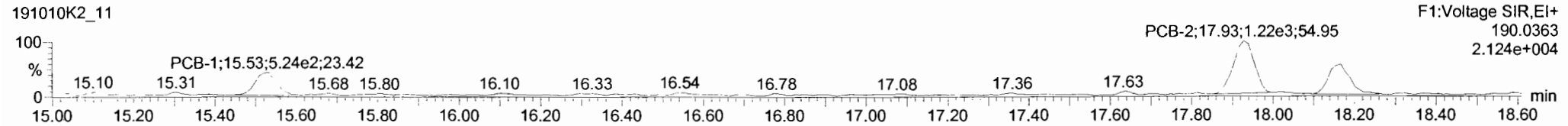
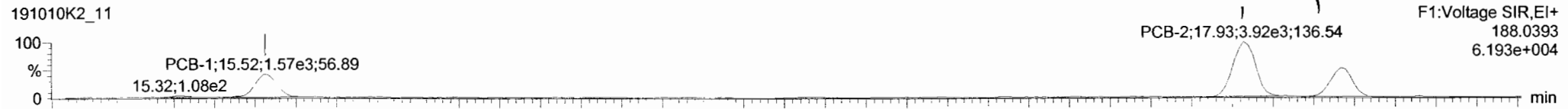
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

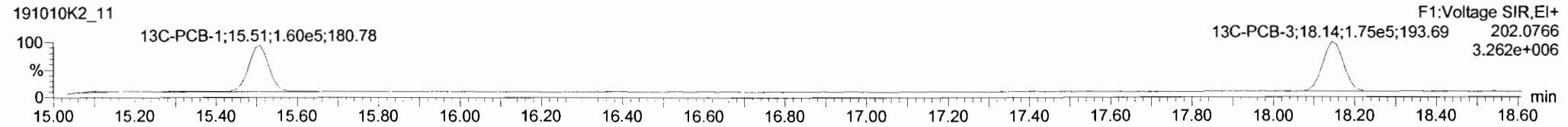
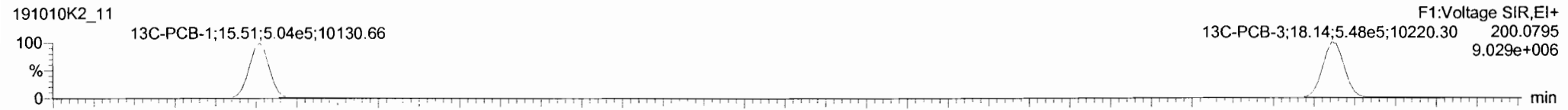
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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

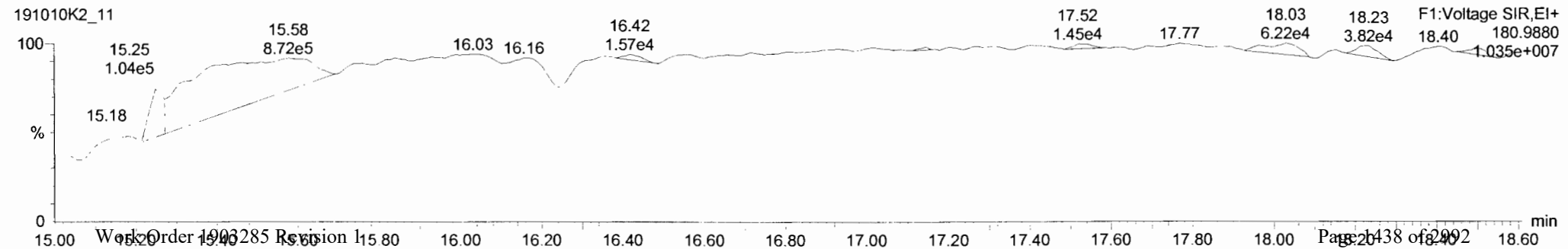
PCB-1



13C-PCB-1



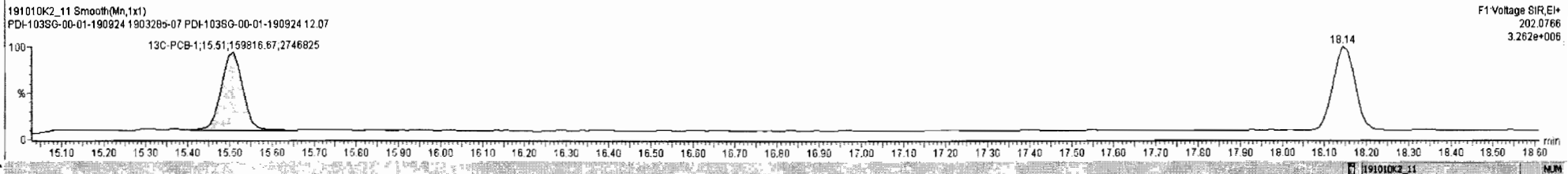
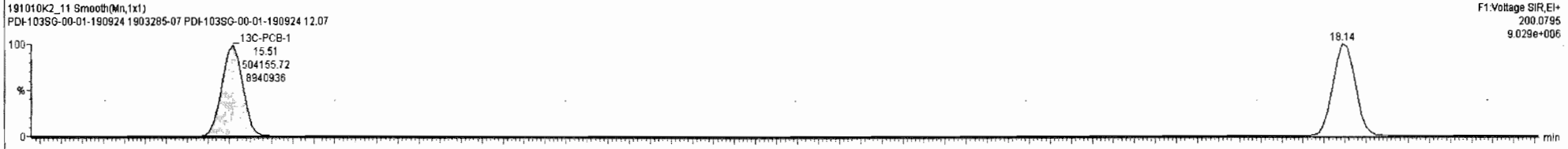
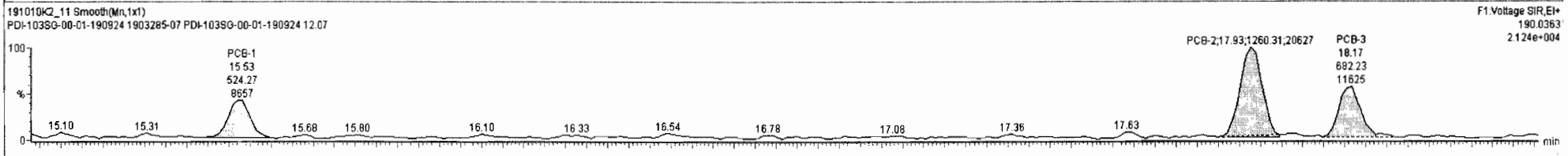
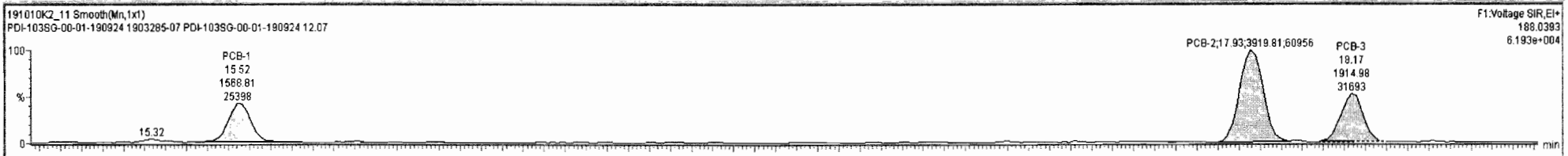
PFK1



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.381	0.00		0.000		NO	25.55		0.758	25.55
225	225 Total Di-PCBs				1.0592	5.381	0.00		0.000		NO	177.9		5.01	184.5
226	226 2nd Function Tri-PCBs				0.9137	5.381	0.00		0.000		NO	261.5		2.33	261.5
227	227 3rd Function Tri-PCBs				1.0563	5.381	0.00		0.000		NO	523.7		6.40	526.9
228	228 Total Tetra-PCBs				0.9661	5.381	0.00		0.000		NO	2645		14.4	2672

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	3 PCB-3	18.15	18.17	1.915e3	6.822e2	3.130	2.81	NO	6.6240	6.6240
2	2 PCB-2	17.93	17.93	3.920e3	1.260e3	3.130	3.11	NO	13.184	13.184
3	1 PCB-1	15.52	15.52	1.569e3	5.243e2	3.130	2.99	NO	5.7406	5.7406



Dataset: Untitled

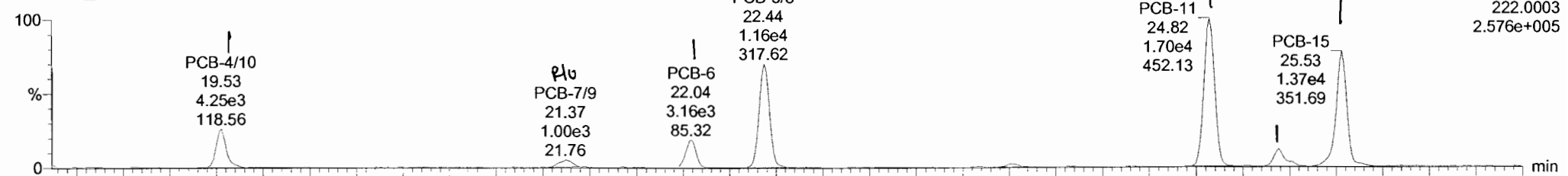
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

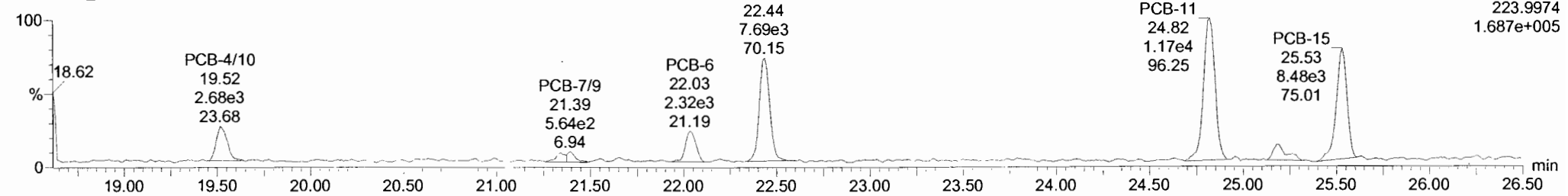
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PCB-4/10

191010K2_11

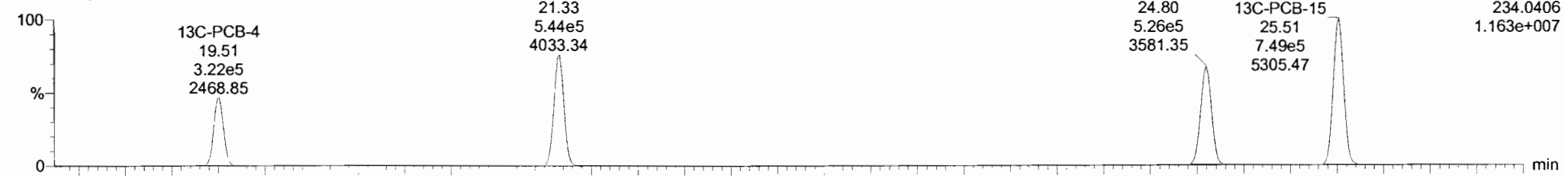


191010K2_11

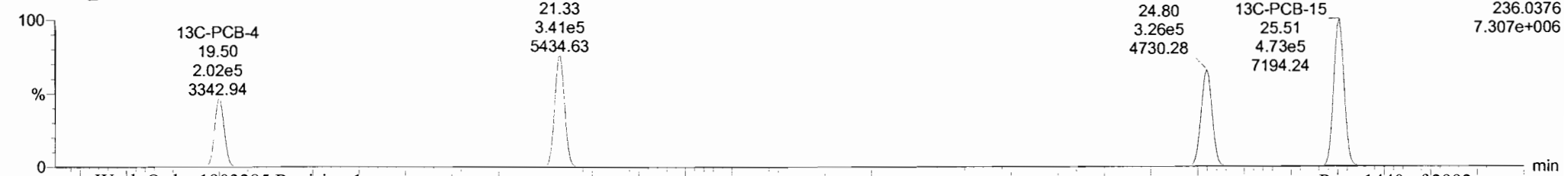


13C-PCB-4

191010K2_11

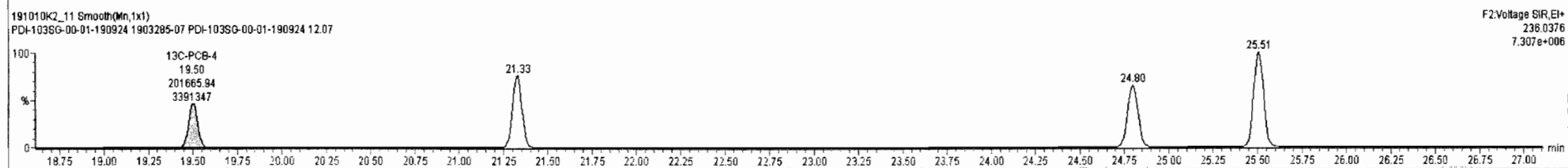
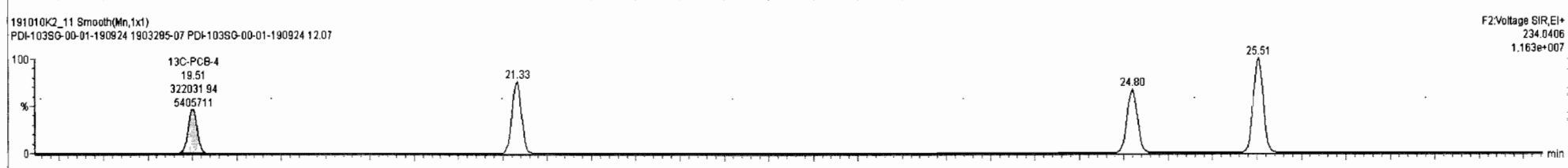
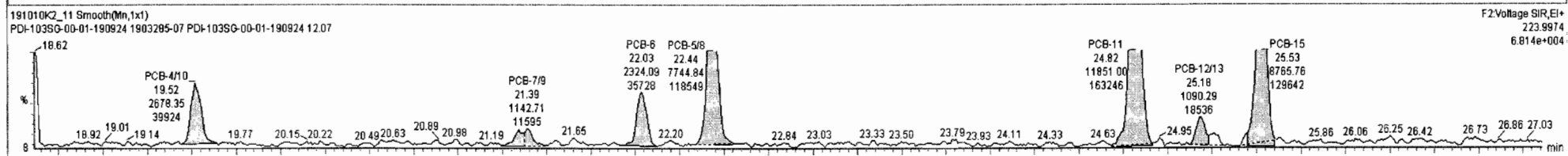
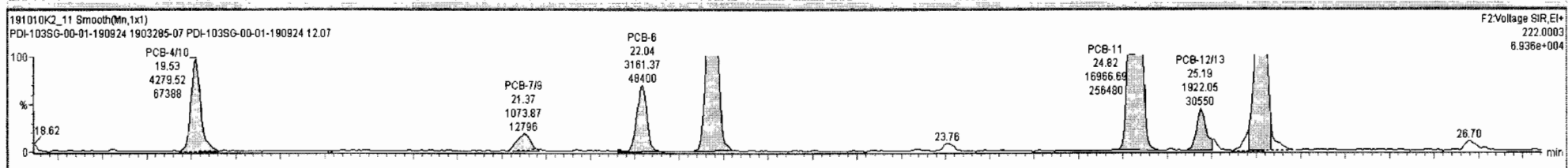


191010K2_11



#	Name	Resp	RA	n/y	RRF	w/Nol	Pred_RT	RT	Pred_R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.381	0.00		0.000		NO	25.55		0.758	25.55
225	225 Total Di-PCBs				1.0592	5.381	0.00		0.000		NO	179.7		5.01	183.5
226	226 2nd Function Tri-PCBs				0.9137	5.381	0.00		0.000		NO	261.5		2.33	261.5
227	227 3rd Function Tri-PCBs				1.0563	5.381	0.00		0.000		NO	523.7		6.40	526.9
228	228 Total Tetra-PCBs				0.9861	5.381	0.00		0.000		NO	2645		14.4	2672

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.59	19.53	4.280e3	2.678e3	1.560	1.60	NO	19.361	19.361
2	11 PCB-15	25.55	25.53	1.255e4	8.766e3	1.560	1.43	NO	45.169	45.168
3	10 PCB-12/13	25.25	25.19	1.922e3	1.090e3	1.960	1.76	NO	6.3303	6.3303
4	9 PCB-11	24.82	24.82	1.697e4	1.185e4	1.560	1.43	NO	57.303	57.303

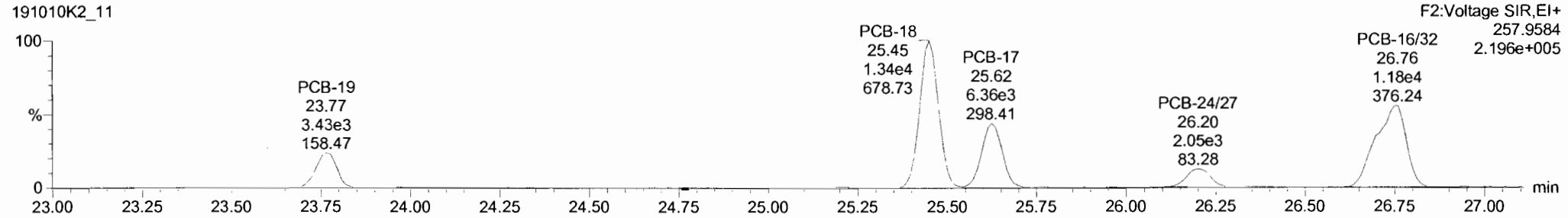
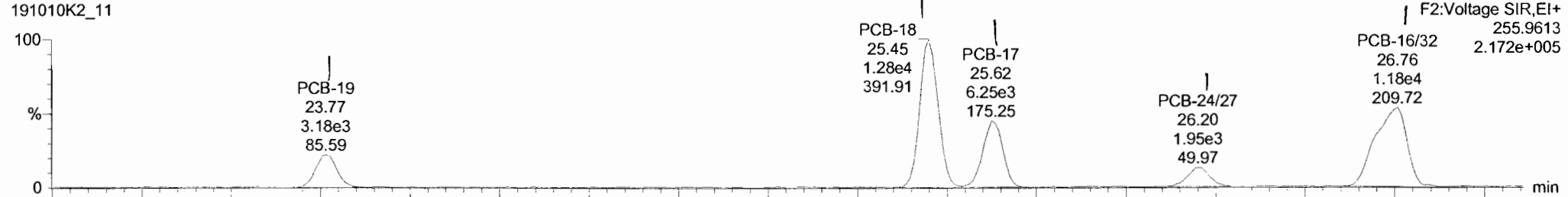


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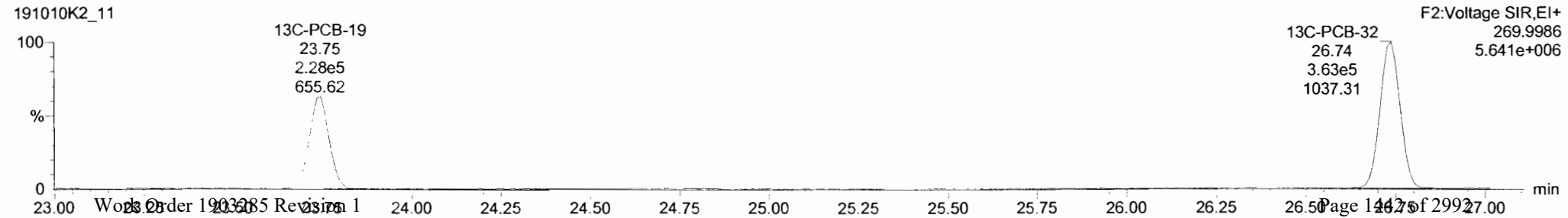
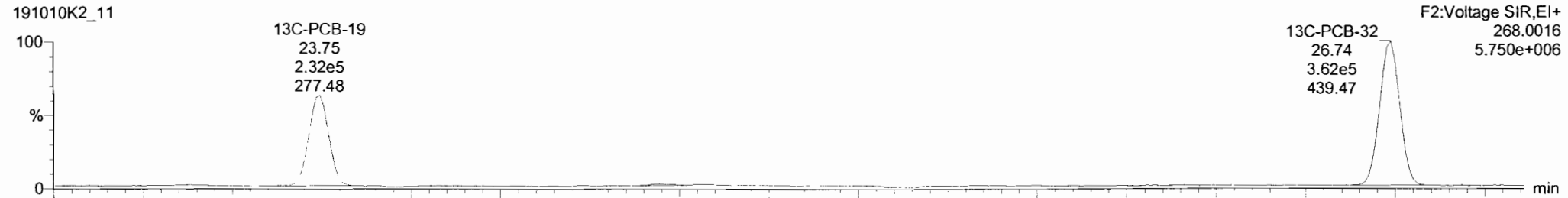
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

PCB-19



13C-PCB-19



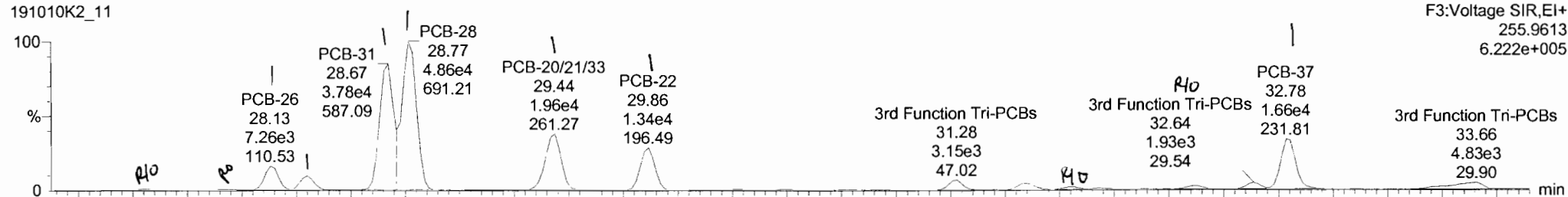
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

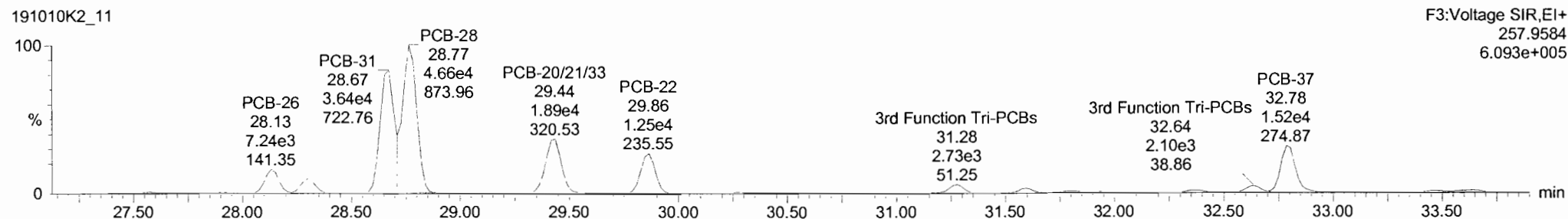
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PCB-34

191010K2_11

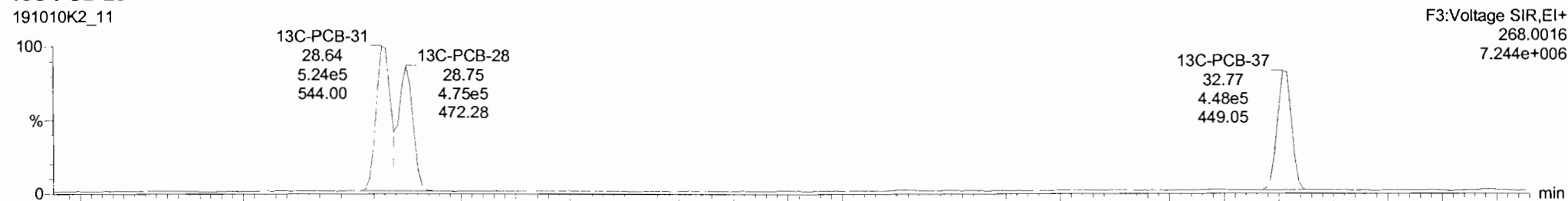


191010K2_11



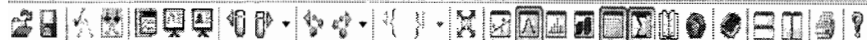
13C-PCB-28

191010K2_11



191010K2_11

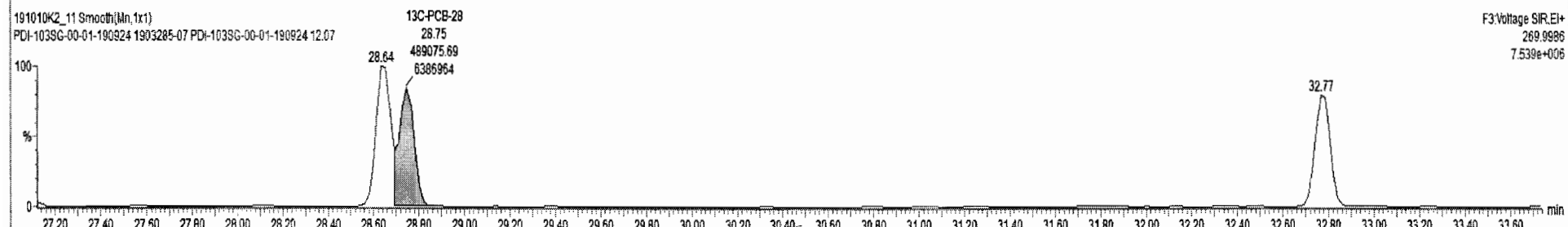
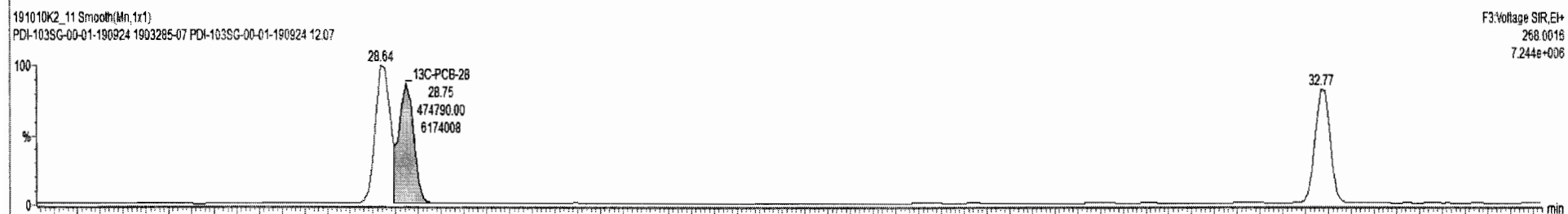
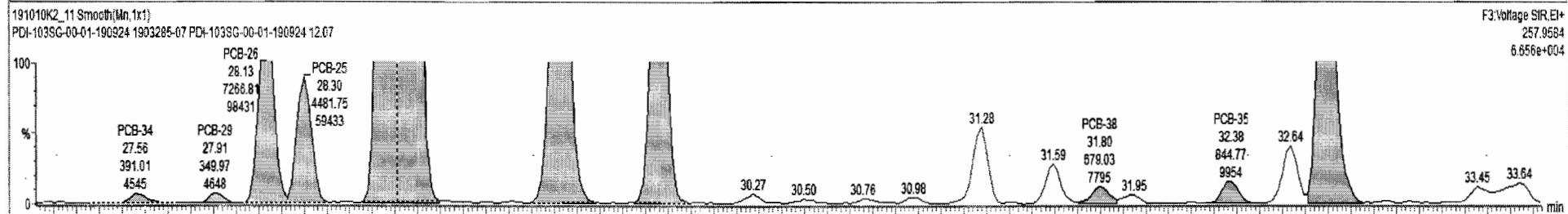
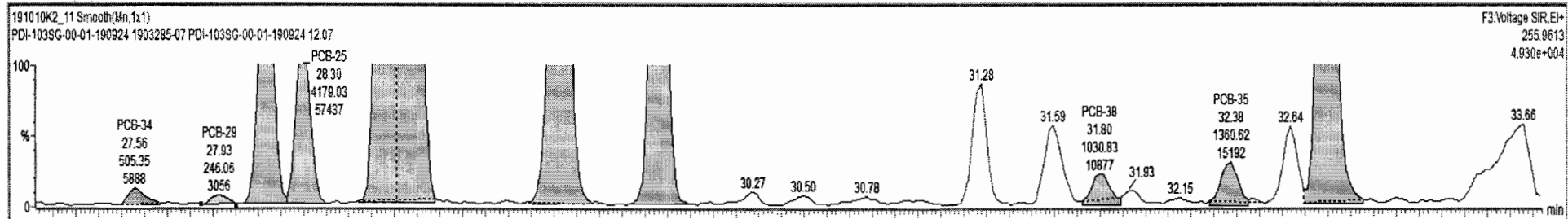




191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RL	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0983	5.381	0.00		0.000		NO	521.3		6.40	529.5
228	228 Total Tetra-PCBs				0.9861	5.381	0.00		0.000		NO	2640		14.4	2664

#	Name	Pred.RT	RT	mt Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.57	27.56	5.053e2	3.910e2	1.040	1.29	YES	1.5577	0.00000
2	20 PCB-29	27.93	27.93	2.461e2	3.508e2	1.040	0.70	YES	0.97605	0.00000
3	21 PCB-26	28.14	28.13	7.257e3	7.267e3	1.040	1.00	NO	27.976	27.976

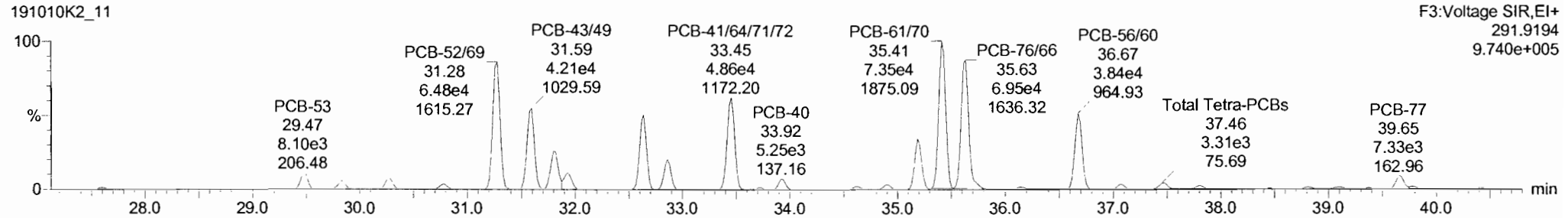
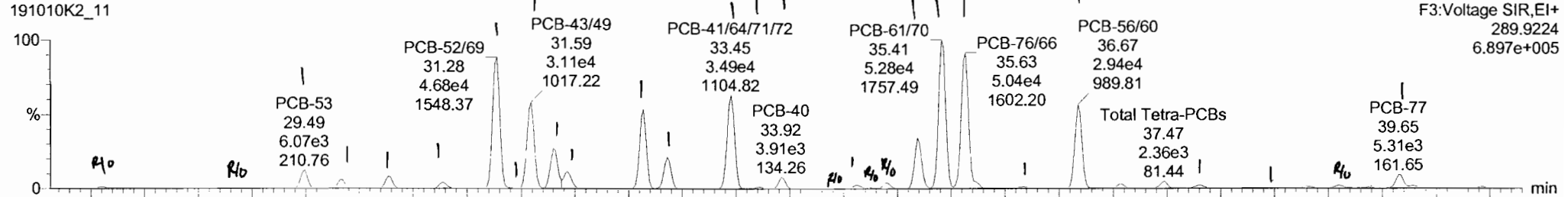


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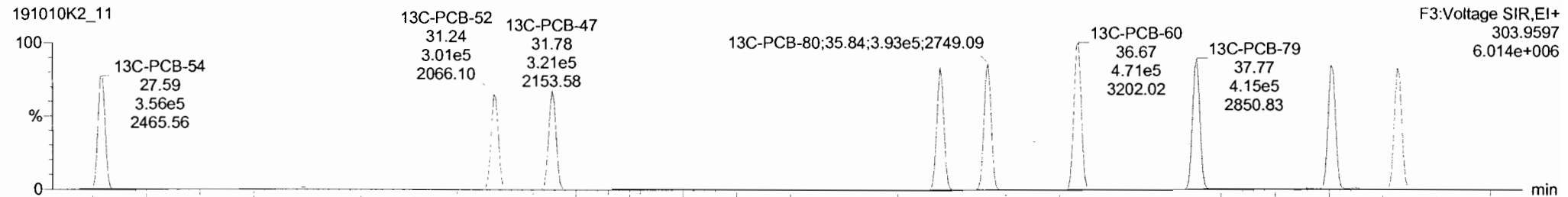
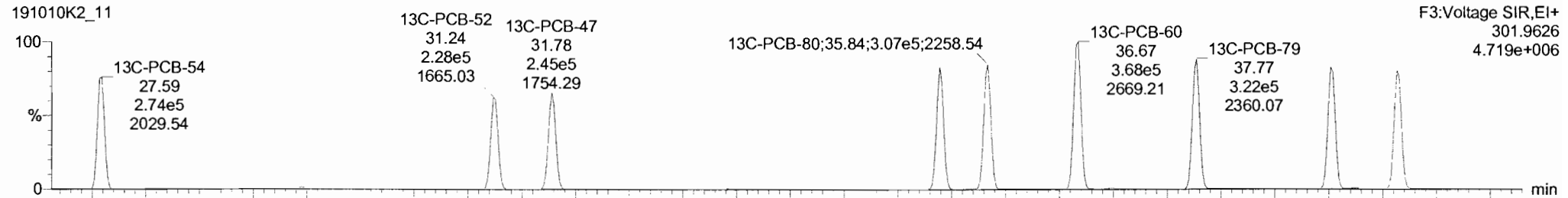
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

PCB-54



13C-PCB-54



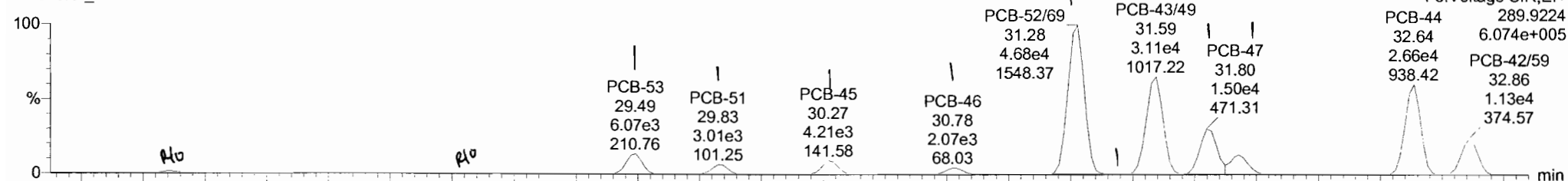
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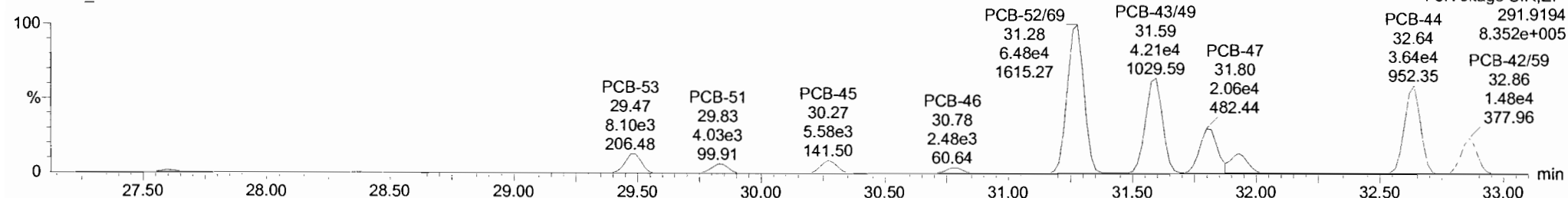
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PCB-50

191010K2_11

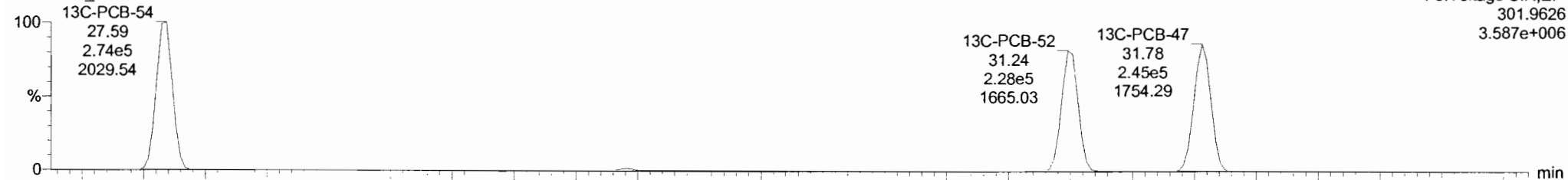


191010K2_11

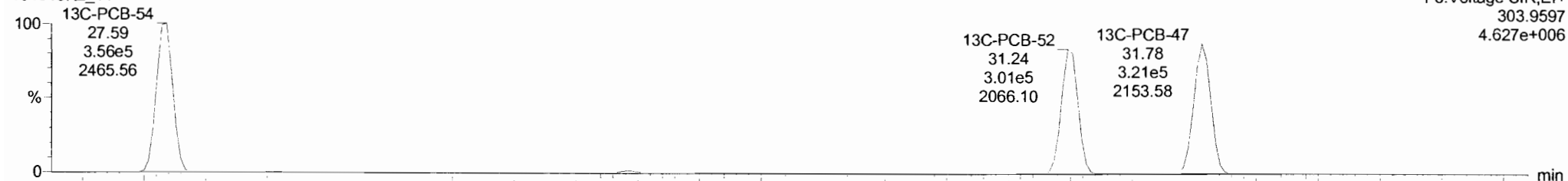


13C-PCB-52

191010K2_11

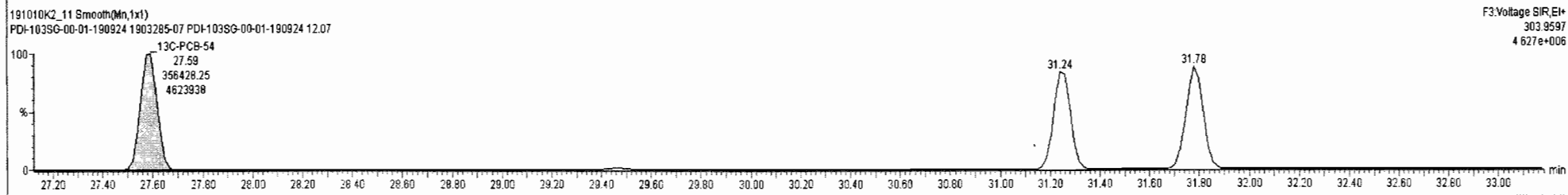
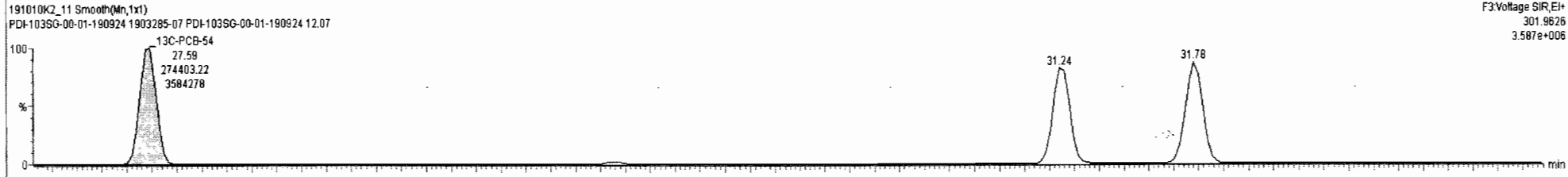
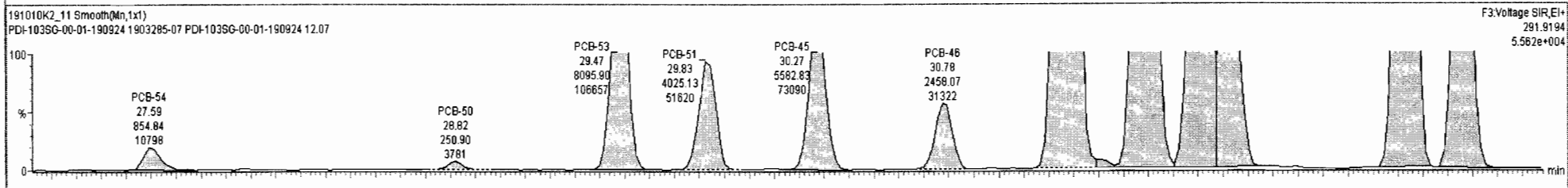
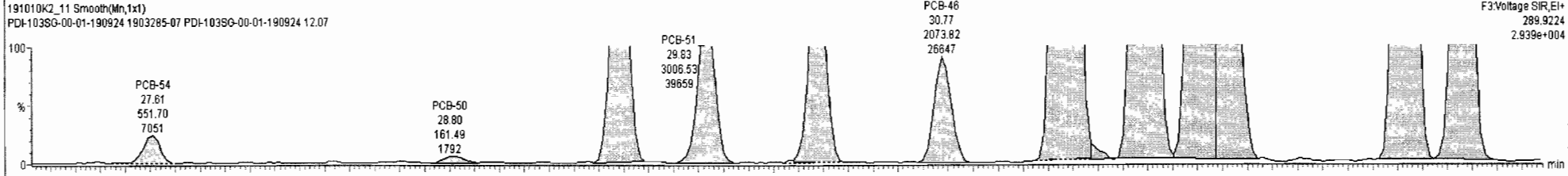


191010K2_11



#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9861	5.381	0.00		0.000		NO	2646		14.4	2672
229	229 3rd Function Penta-PCBs				1.1154	5.381	0.00		0.000		NO	3521		19.8	3561

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.61	27.61	5.517e2	8.546e2	0.770	0.65	YES	3.7525	0.00000
2	33 PCB-50	28.81	28.80	1.615e2	2.509e2	0.770	0.64	YES	1.3999	0.00000
3	34 PCB-53	29.47	29.40	6.067e3	8.096e3	0.770	0.75	NO	52.145	52.145

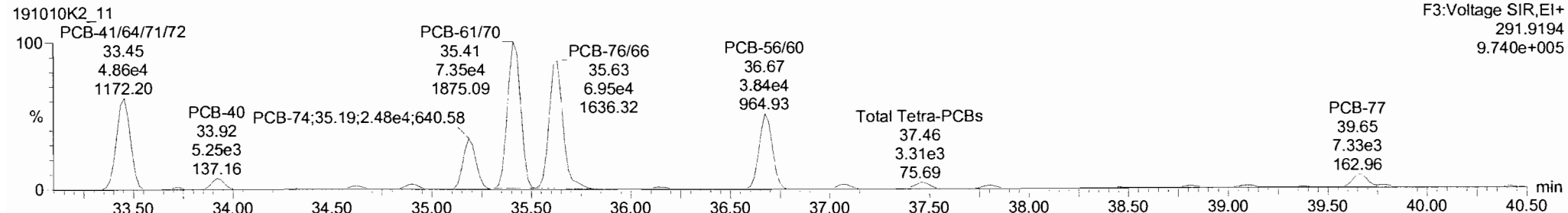
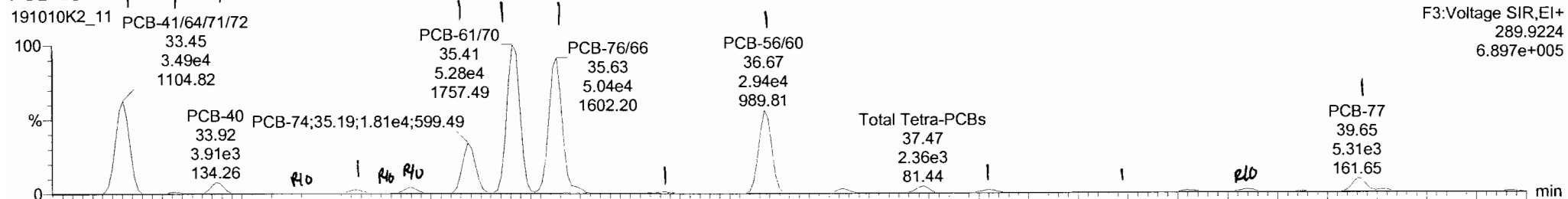


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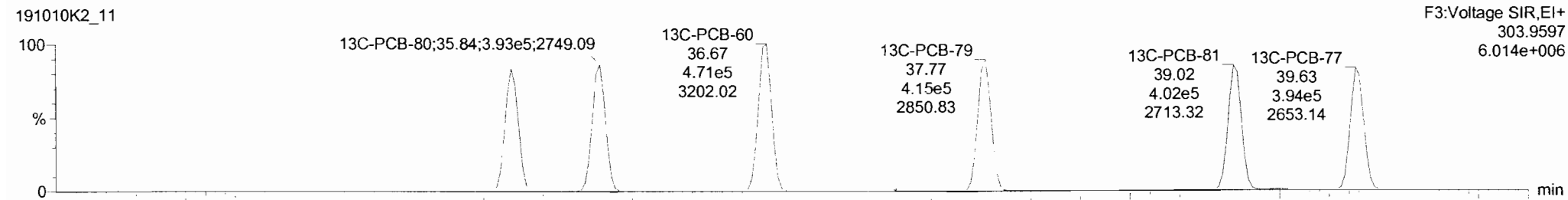
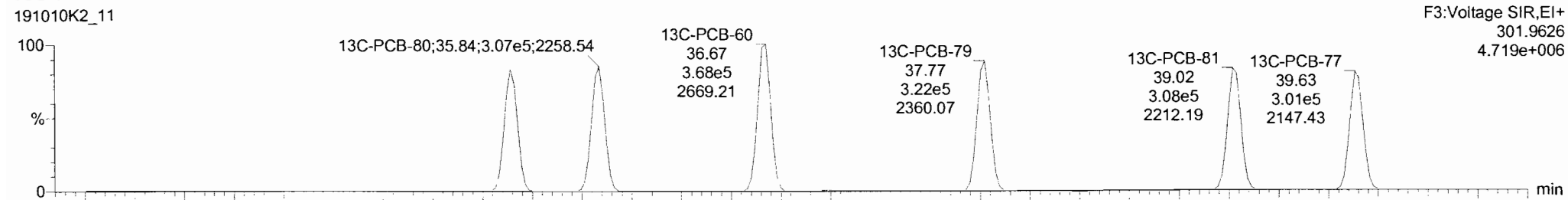
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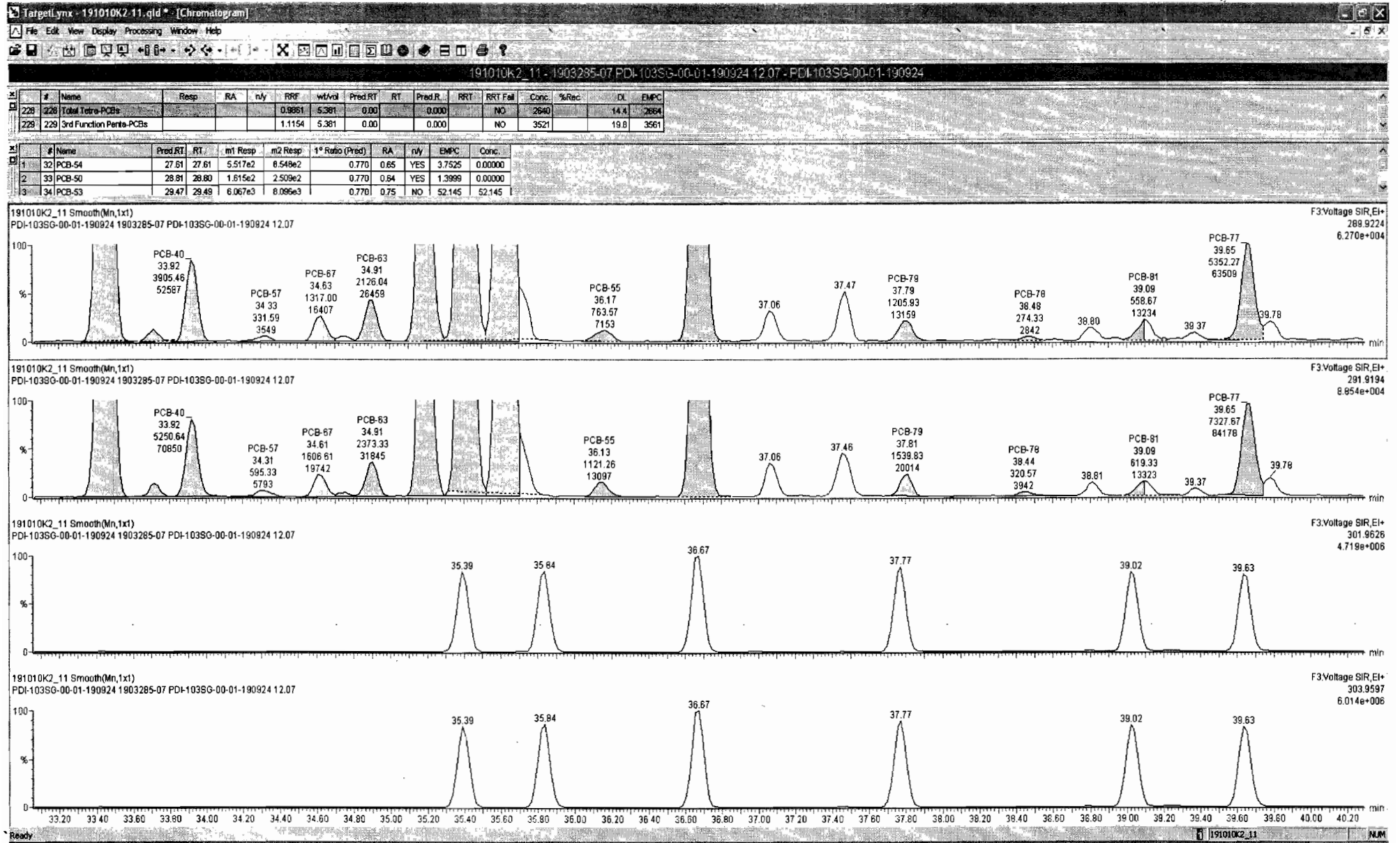
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PCB-68



13C-PCB-60

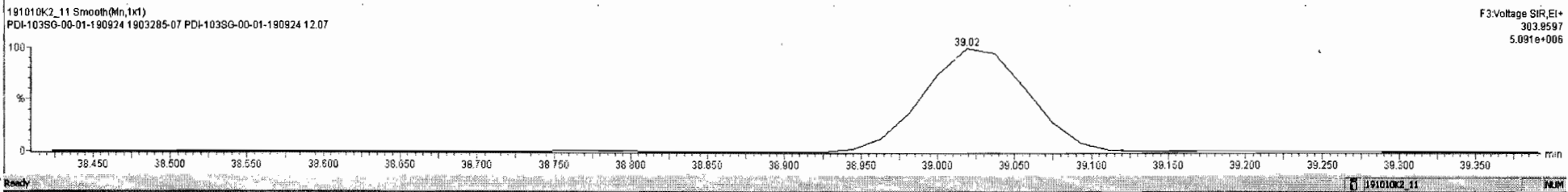
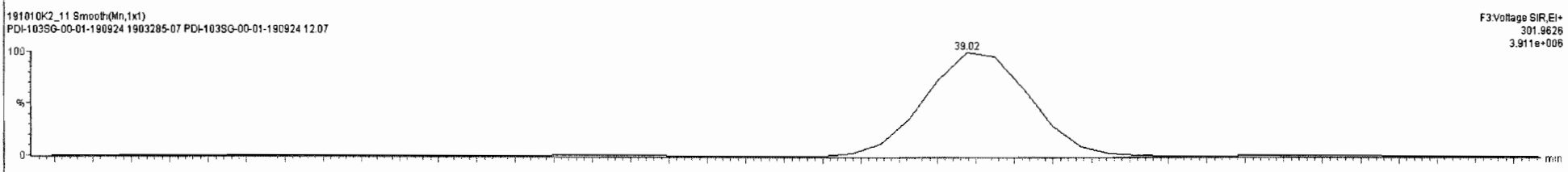
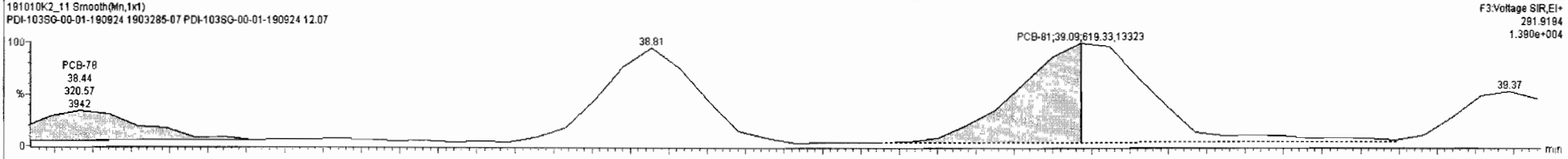
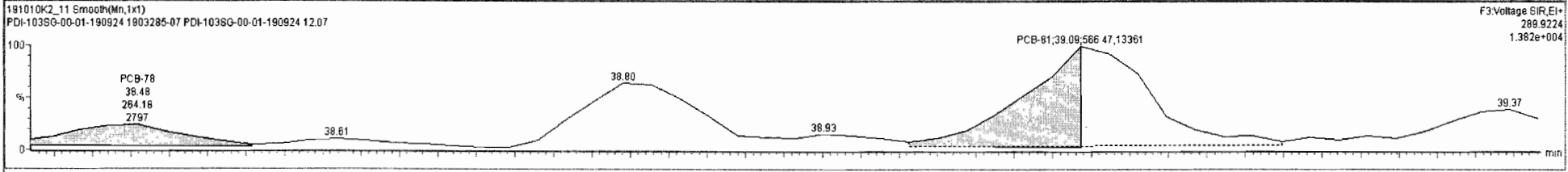




191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9061	5.361	0.00		0.000		NO	2632		14.4	2656
229	3rd Function Penta-PCBs				1.1154	5.361	0.00		0.000		NO	3521		19.8	3561

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.61	27.61	5.517e2	8.549e2	0.770	0.65	YES	3.7526	0.00000
2	33 PCB-50	28.81	28.80	1.615e2	2.509e2	0.770	0.64	YES	1.3989	0.00000
3	34 PCB-53	29.47	29.49	6.067e1	8.066e1	0.770	0.75	NO	47.146	47.146



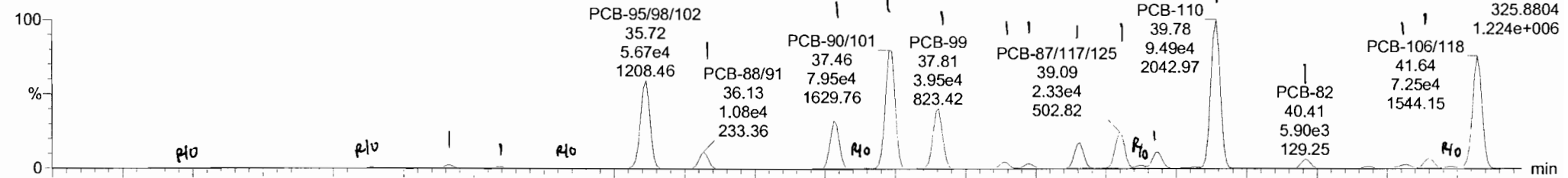
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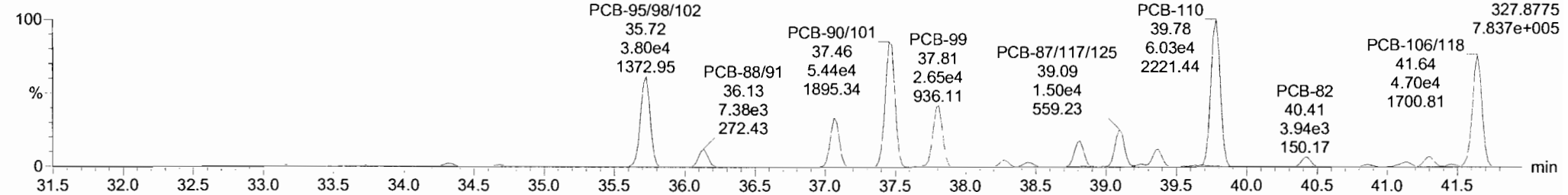
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PCB-104

191010K2_11

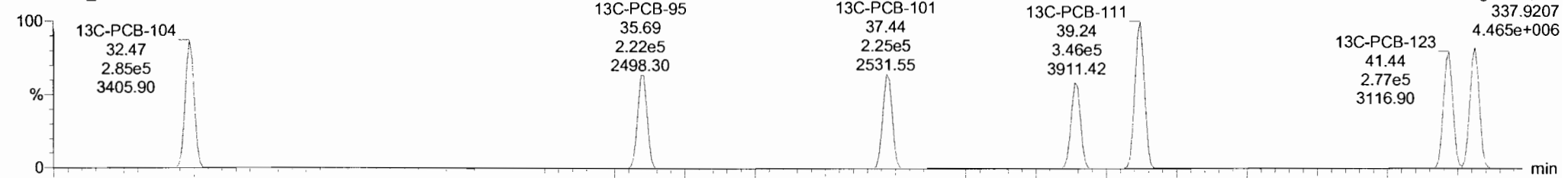


191010K2_11

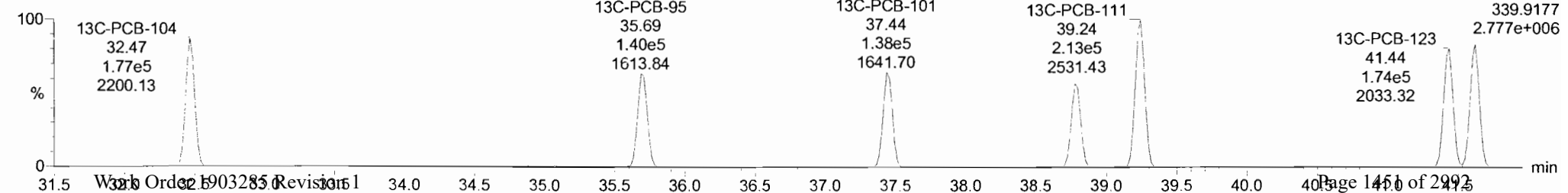


13C-PCB-104

191010K2_11



191010K2_11

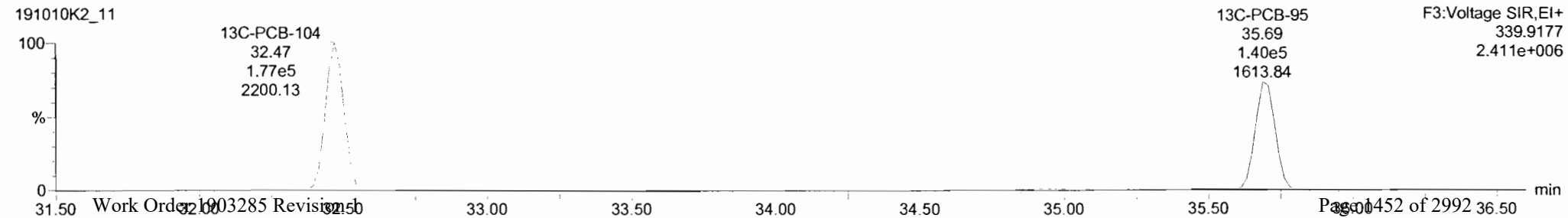
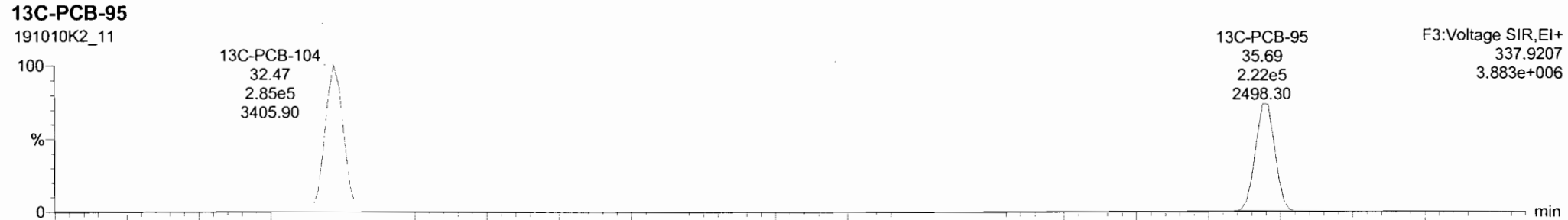
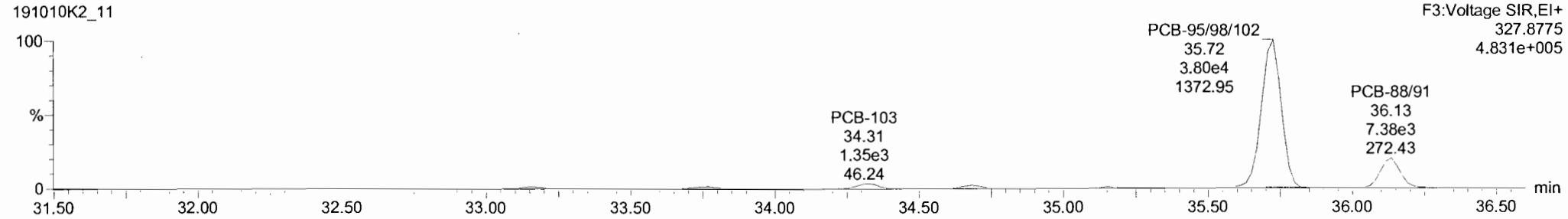
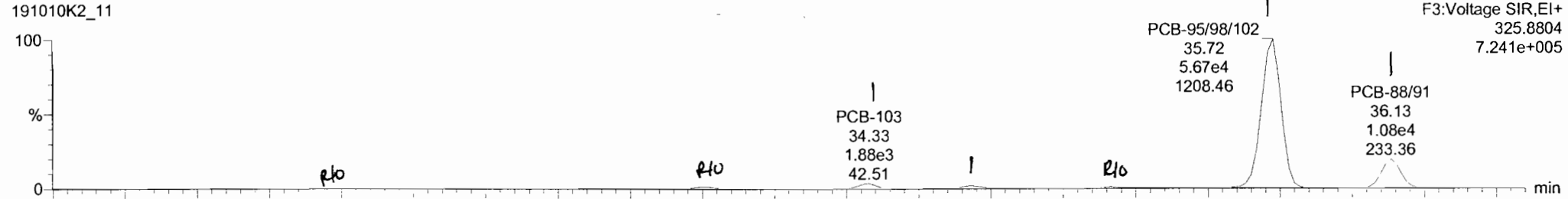


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Last Altered: Friday, October 11, 2019 14:38:12 Pacific Daylight Time
Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

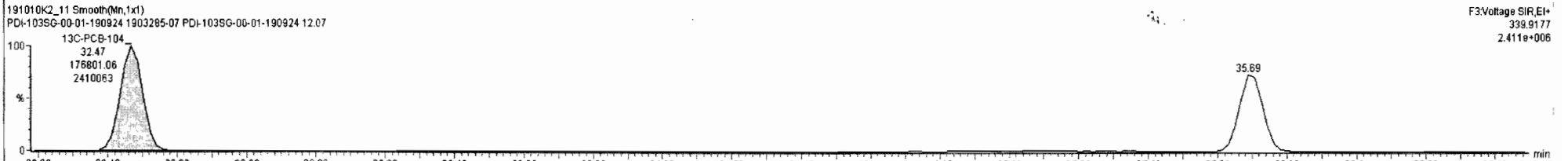
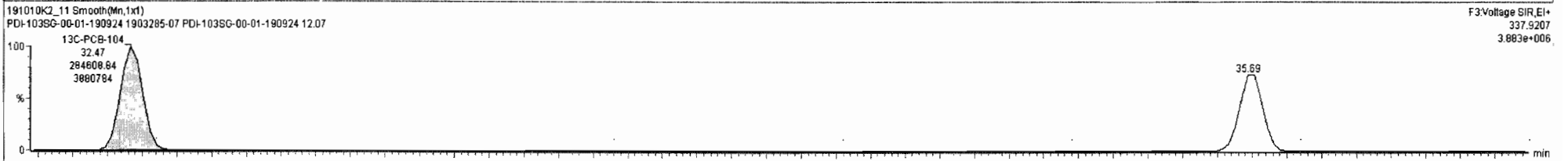
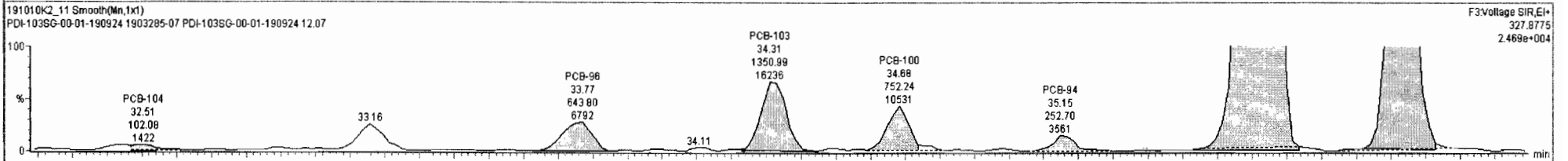
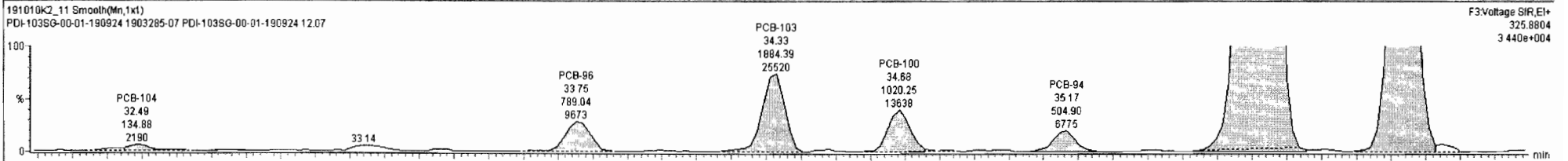
PCB-96



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred. RT	RT	Pred. R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9061	5.301	0.00		0.000		NO	2640		14.4	2684
228	3rd Function Penta-PCBs				1.1154	5.301	0.00		0.000		NO	3532		19.0	3562

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.49	32.49	1.349e2	1.021e2	1.560	1.32	YES	0.69641	0.00000
2	65 PCB-96	33.78	33.75	7.890e2	6.438e2	1.560	1.23	YES	5.2378	0.00000
3	66 PCB-103	34.35	34.33	1.884e3	1.351e3	1.560	1.39	NO	16.831	16.831



Vista Analytical Laboratory VG-11

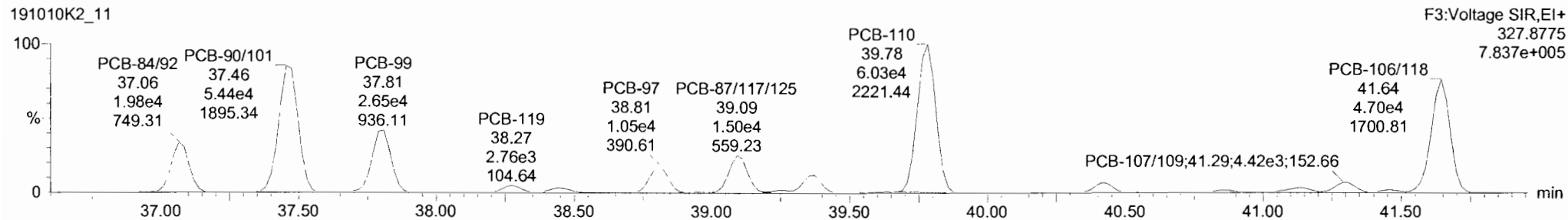
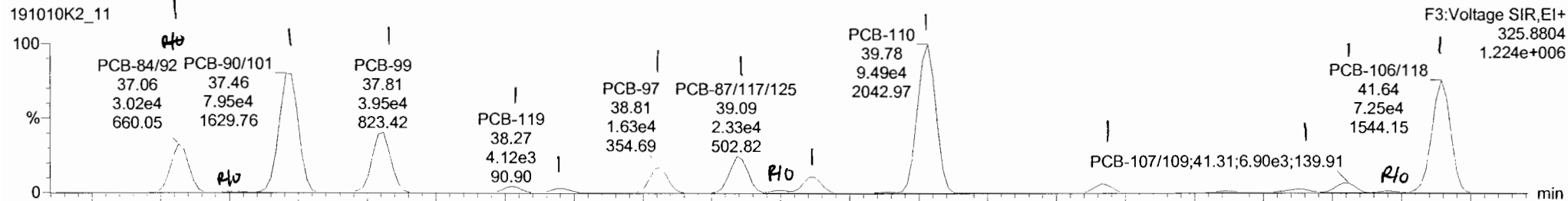
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Last Altered: Friday, October 11, 2019 14:38:12 Pacific Daylight Time

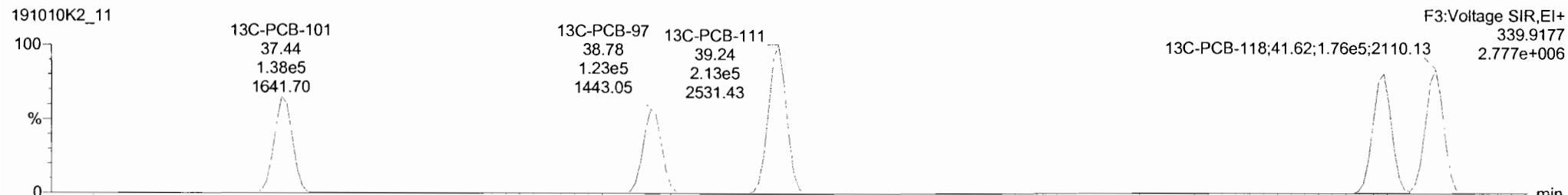
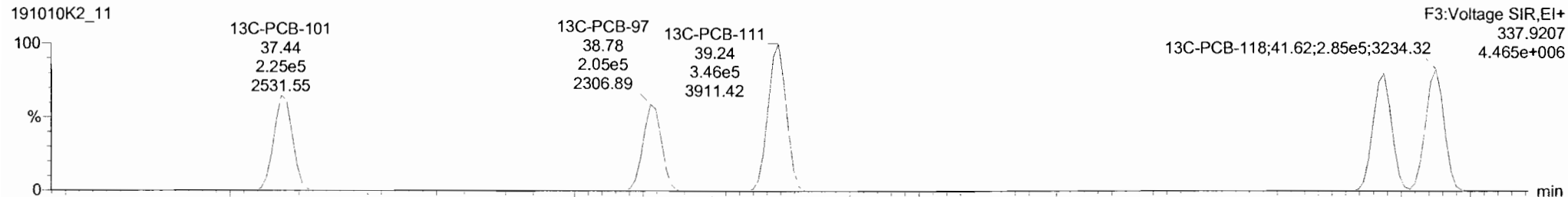
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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

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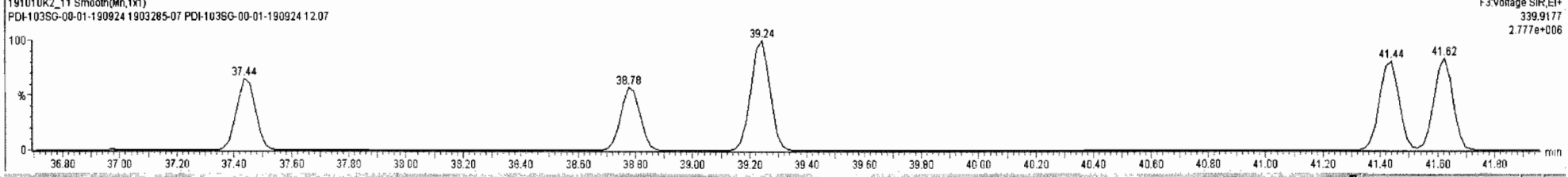
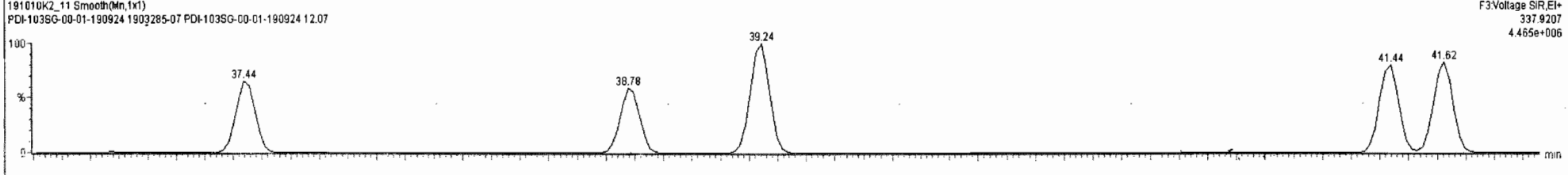
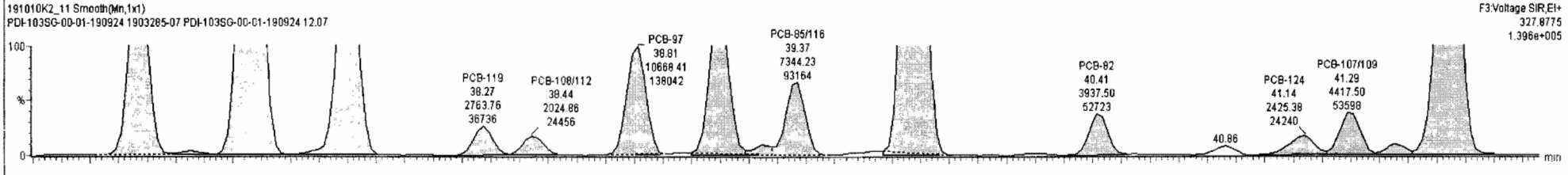
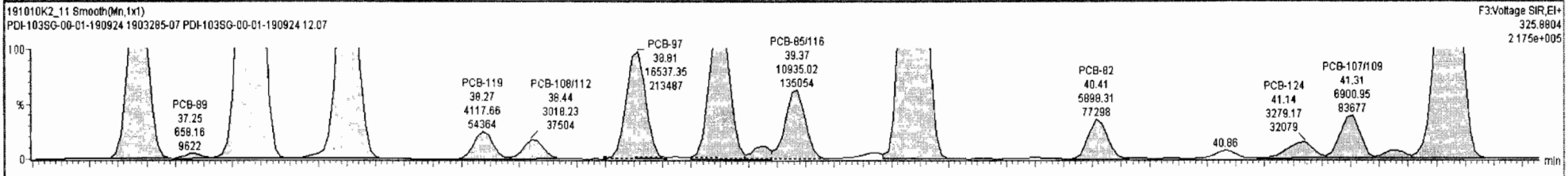
13C-PCB-111



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9861	5.361	0.00		0.000		NO	2640		14.4	2664
229	3rd Function Penta-PCBs				1.1154	5.361	0.00		0.000		NO	3541		19.8	3572

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
64	PCB-104	32.49	32.49	1.349e2	1.021e2	1.560	1.32	YES	0.89541	0.00000
65	PCB-96	33.78	33.75	7.890e2	6.438e2	1.560	1.23	YES	5.2378	0.00000
66	PCB-103	34.35	34.33	1.864e3	1.351e3	1.560	1.39	NO	16.831	16.831

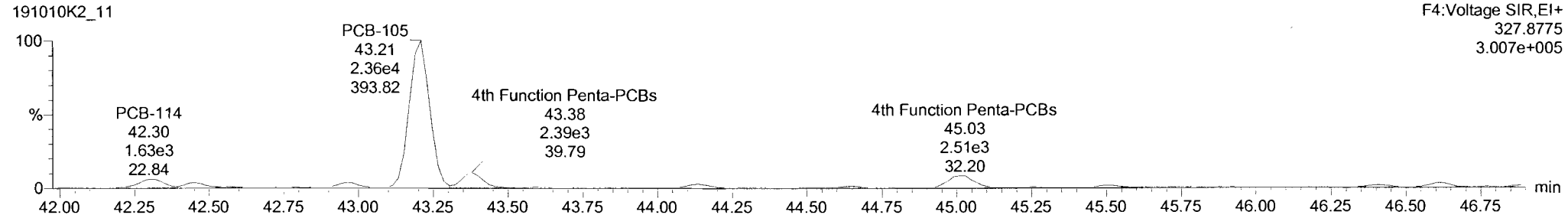
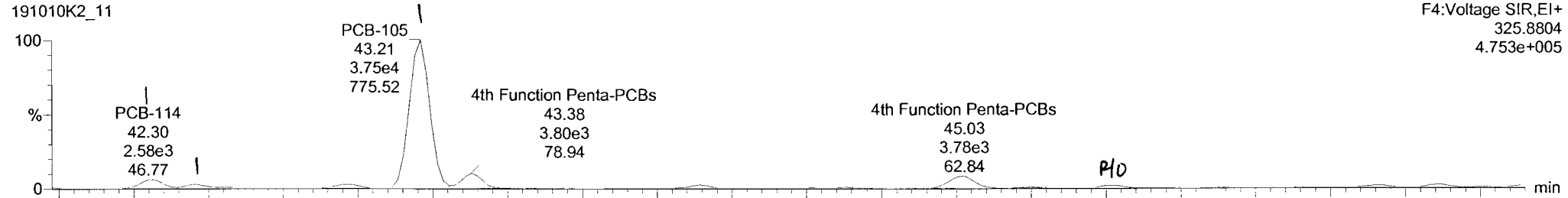


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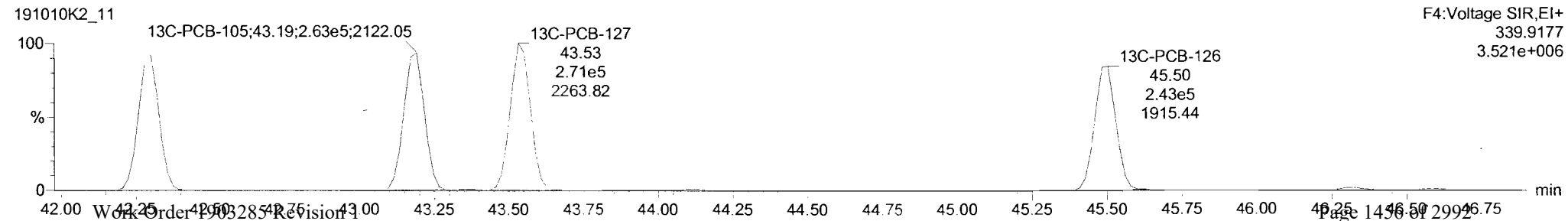
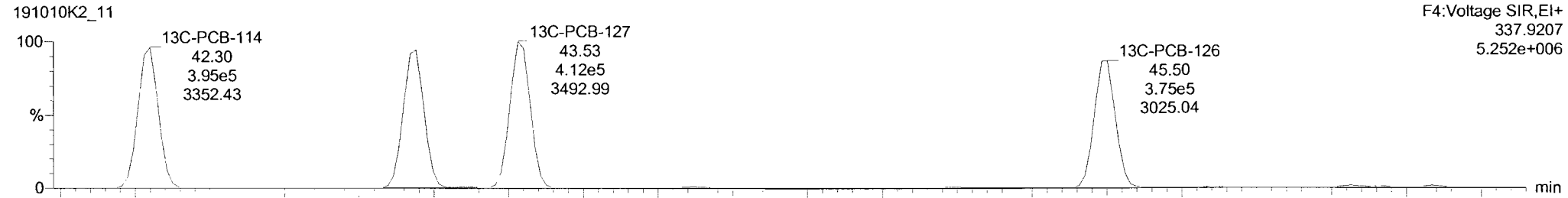
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

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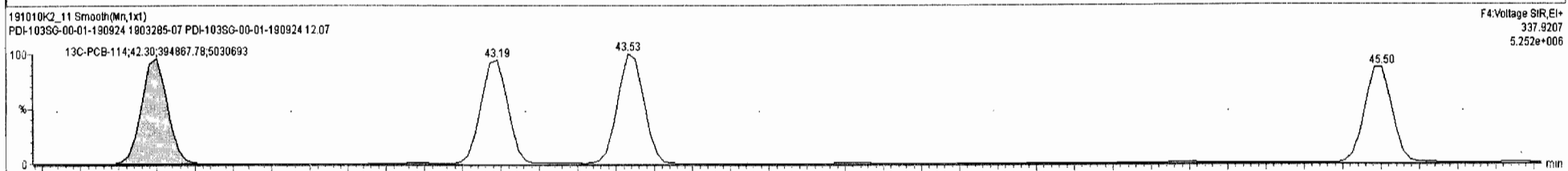
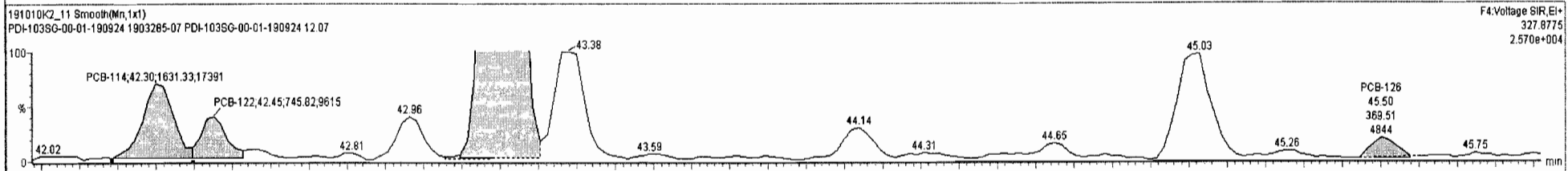
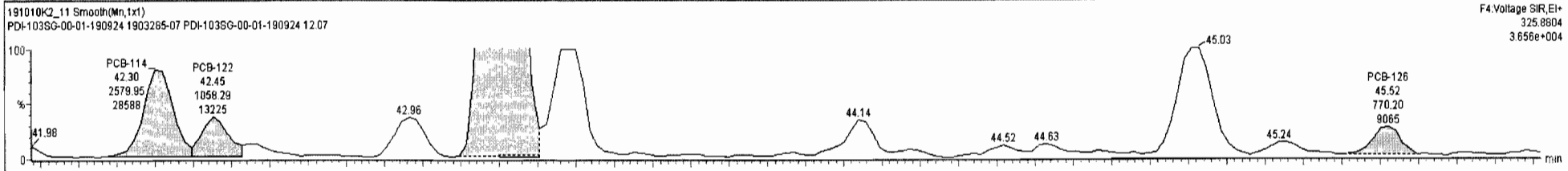
13C-PCB-114



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtAvd	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
228	228 Total Tetra-PCBs				0.9861	5.361	0.00		0.000		NO	2640	14.4	2664	
229	229 3rd Function Penta-PCBs				1.1154	5.361	0.00		0.000		NO	3541	19.8	3572	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.32	42.30	2.580e3	1.631e3	1.560	1.58	NO	10.336	10.336
2	94 PCB-122	42.45	42.45	1.058e3	7.458e2	1.560	1.42	NO	5.2887	5.2887
3	95 PCB-105	43.21	43.21	3.752e4	2.360e4	1.550	1.59	NO	156.20	156.20
4	97 PCB-126	45.52	45.52	7.702e3	3.696e3	1.560	2.08	VPS	2.3474	0.00000



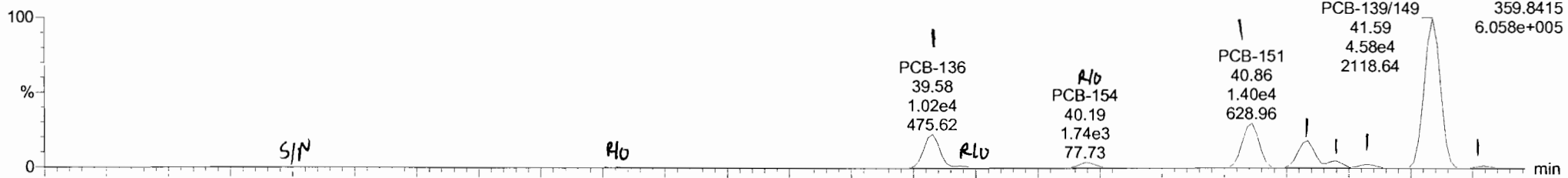
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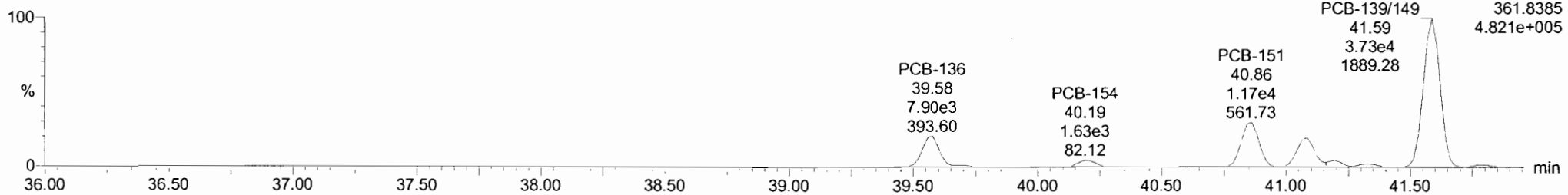
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PCB-155

191010K2_11

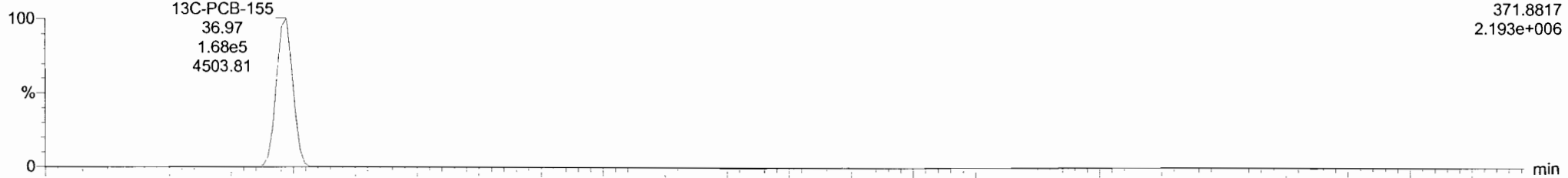


191010K2_11

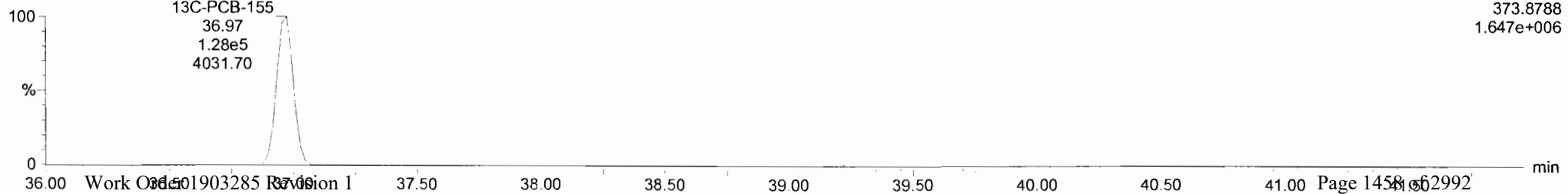


13C-PCB-155

191010K2_11

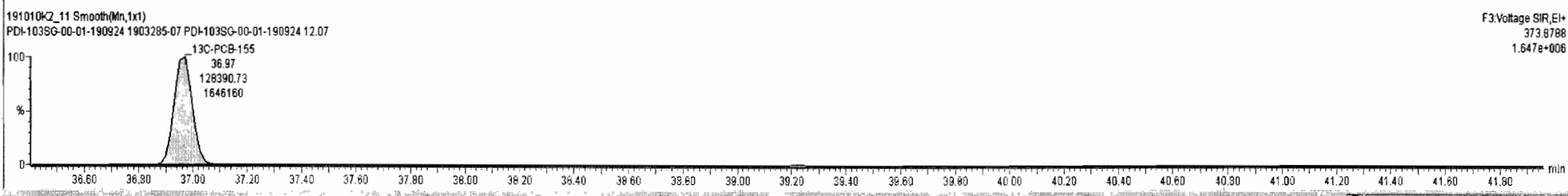
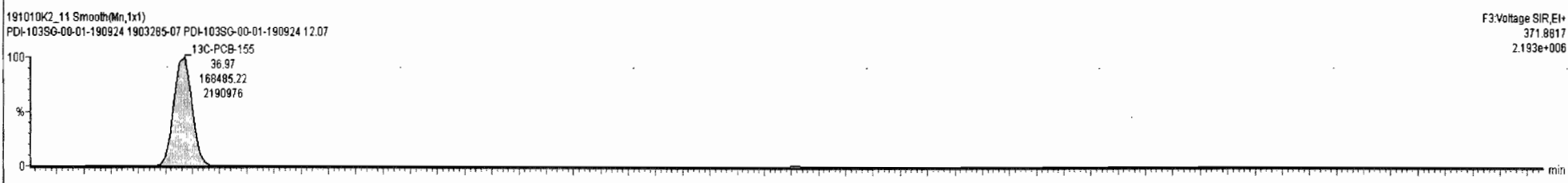
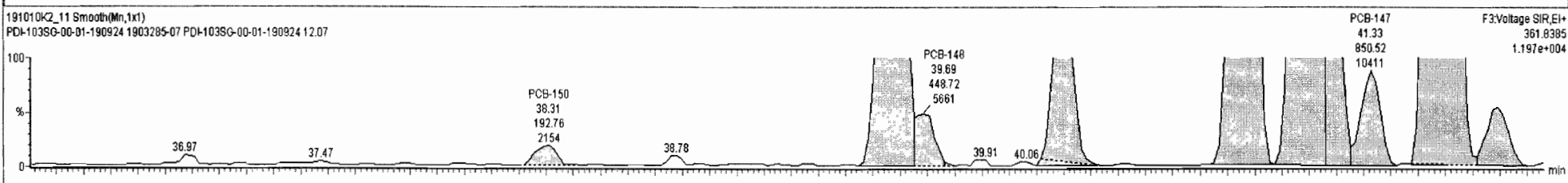
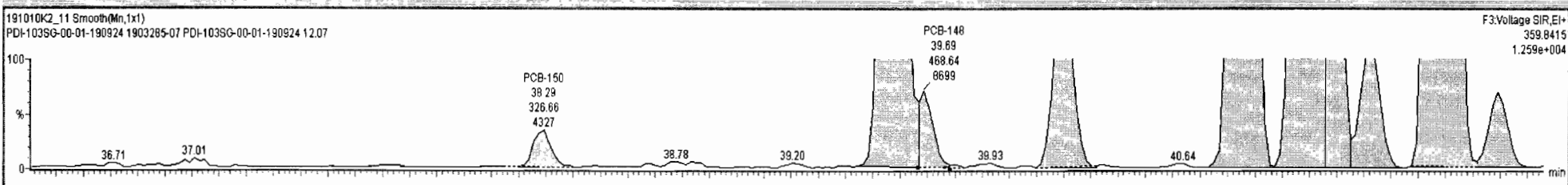


191010K2_11



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7739	6.381	0.00		0.000		NO	1298		8.97	1336
232	232 4th Function Hexa-PCBs				0.9719	5.381	0.00		0.000		NO	2201		13.8	2225

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	99 PCB-150	38.29	38.29	3.267e2	1.929e2	1.240	1.69	YES	3.0692	0.00000
2	1... PCB-138	39.58	39.58	1.023e4	7.901e3	1.240	1.30	NO	134.61	134.61
3	1... PCB-148	39.69	39.69	4.686e2	4.487e2	1.240	1.04	YES	7.6440	0.00000
4	1... PCB-154	40.18	40.19	1.760e3	1.720e3	1.240	1.02	YES	27.499	0.00000
5	1... PCB-151	40.85	40.86	1.403e4	1.165e4	1.240	1.20	NO	254.37	254.37



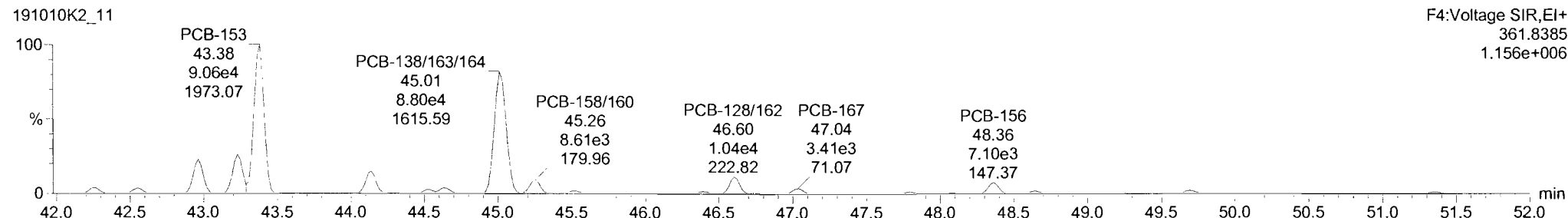
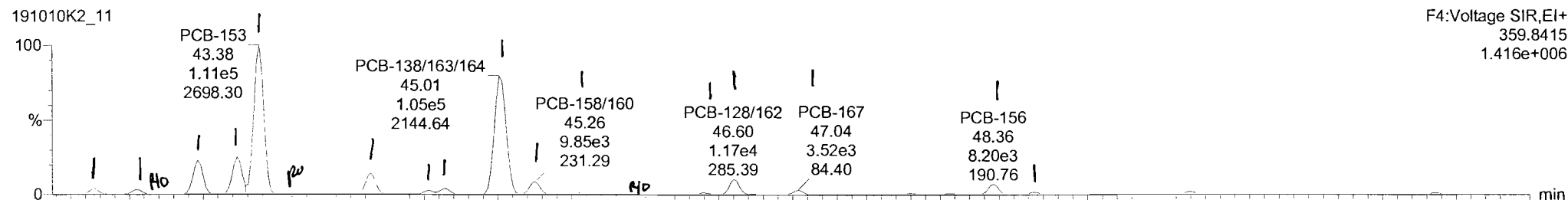
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Last Altered: Friday, October 11, 2019 14:38:12 Pacific Daylight Time

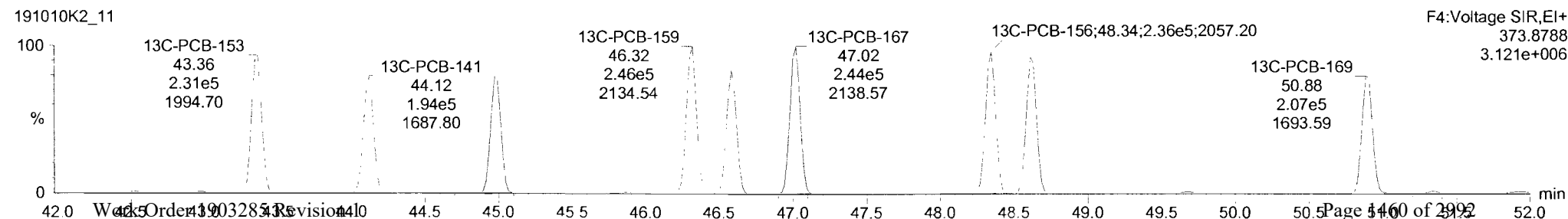
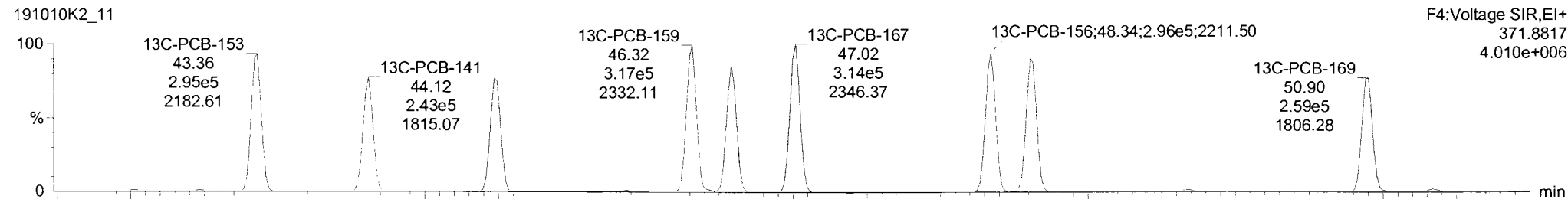
Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

PCB-134/143



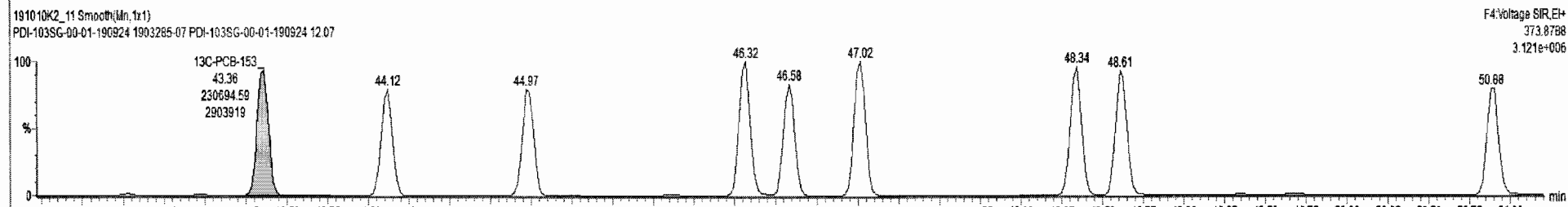
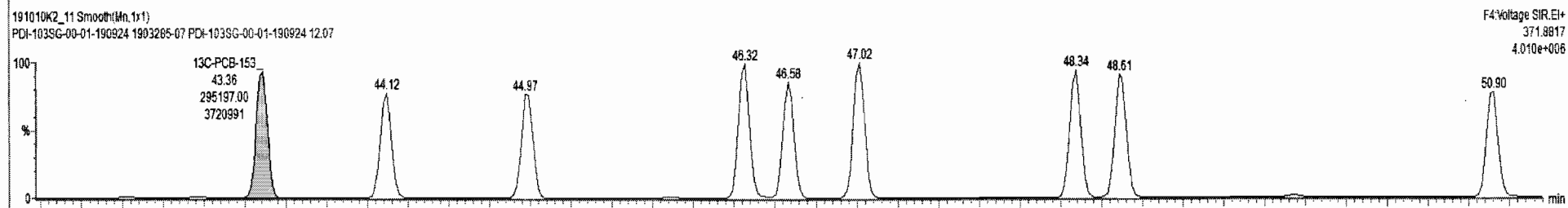
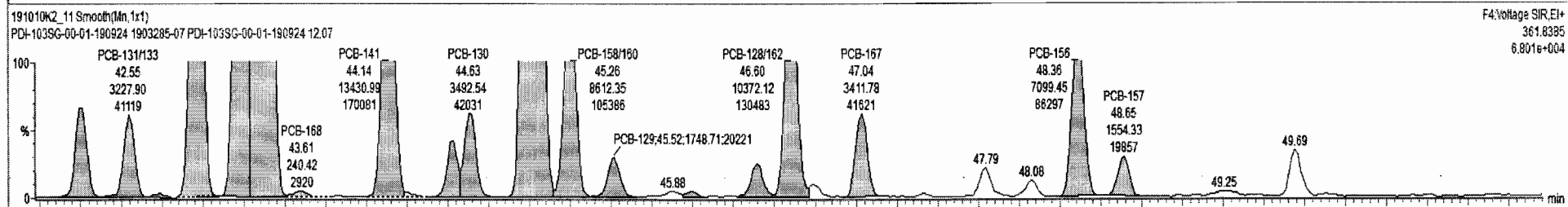
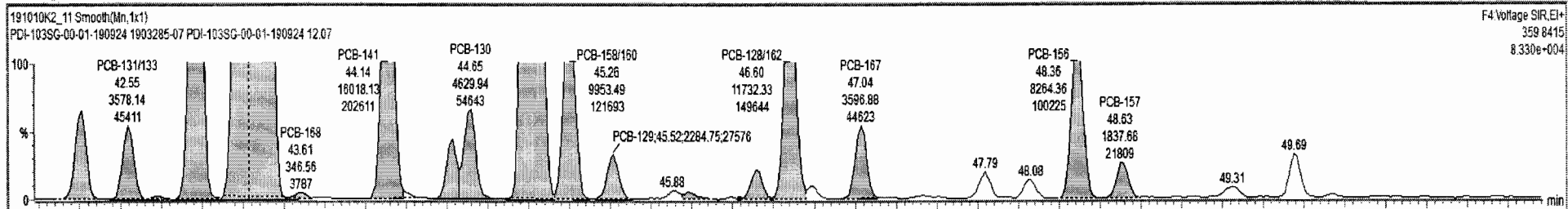
13C-PCB-153



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7739	5.381	0.00		0.000		NO	1296		8.97	1336
232	232 4th Function Hexa-PCBs				0.9716	6.381	0.00		0.000		NO	2228		13.81	2233

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.27	42.26	4.273e3	3.656e3	1.240	1.17	NO	38.211	38.211
2	112 PCB-131/133	42.56	42.55	3.578e3	3.228e3	1.240	1.11	NO	38.440	36.440
3	113 PCB-142	42.71	42.72	1.350e2	1.338e2	1.240	1.01	YES	1.2175	0.00000



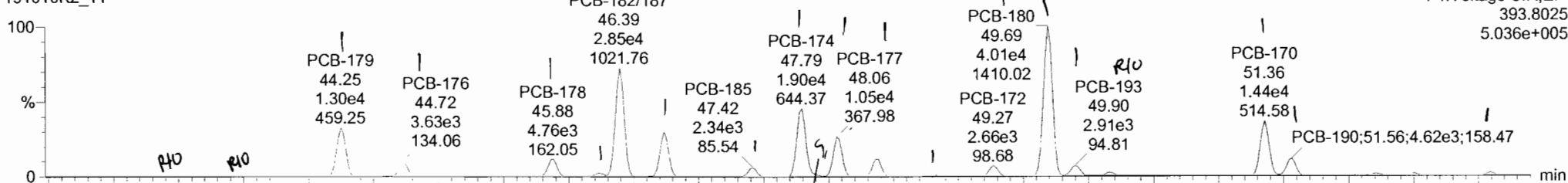
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

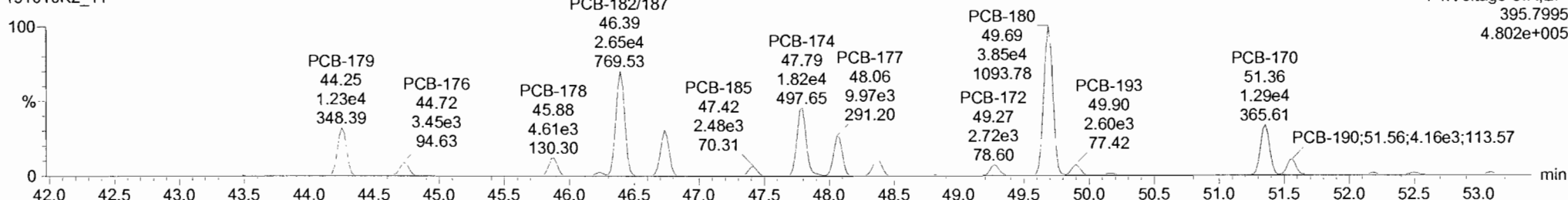
PCB-188

191010K2_11



F4:Voltage SIR,EI+
393.8025
5.036e+005

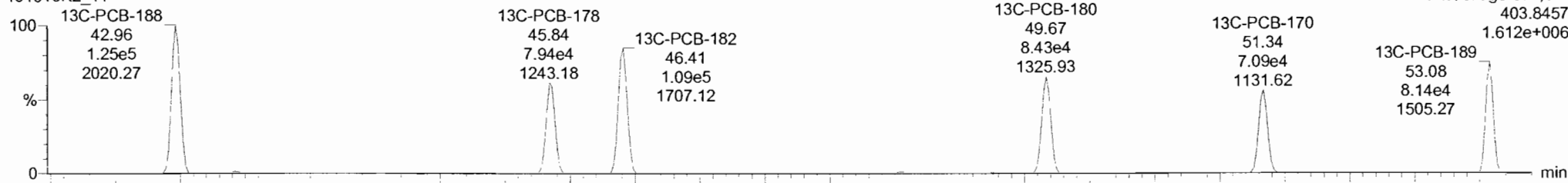
191010K2_11



F4:Voltage SIR,EI+
395.7995
4.802e+005

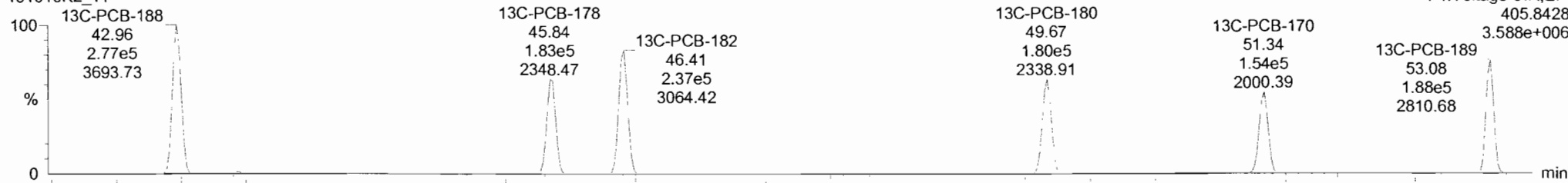
13C-PCB-188

191010K2_11



F4:Voltage SIR,EI+
403.8457
1.612e+006

191010K2_11



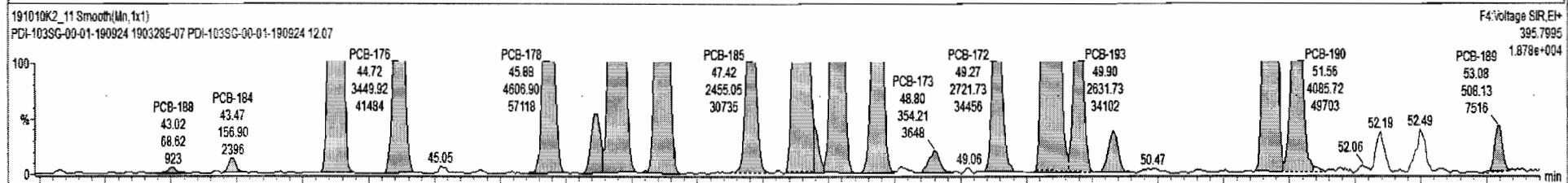
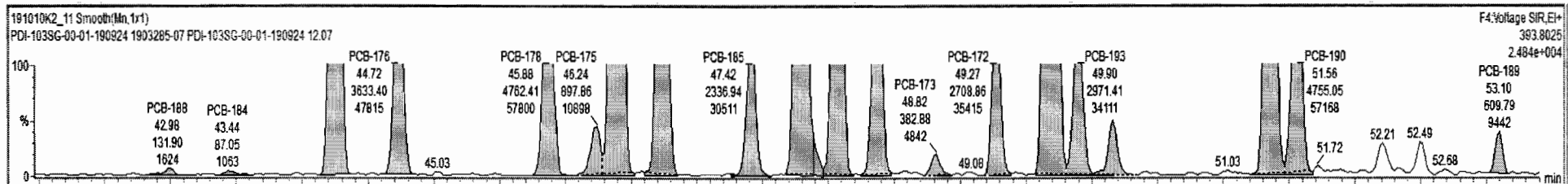
F4:Voltage SIR,EI+
405.8428
3.588e+006



191010K2_11_1903285_07.PDI-103SG-00-01-190924 12:07 PDI-103SG-00-01-190924

Name	Conc.	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	V/N	RRT	Acq.Date	Acq.Time	1 st Chr.Noise	ID	Sample Text	Factor1	SWt	Cal.File
232 4th Function Hexa-PCBs	2228.78	13.8		2233.41		0.972		2.					11-Oct-19	13:30:06		1903285-07	PDI-103SG-00-0	1.0	5.38	db1_P...
233 Total Hexa-PCBs	1684.16	14.1		1678.97		1.254		2.					11-Oct-19	13:30:06		1903285-07	PDI-103SG-00-0	1.0	5.38	db1_P...
234 4th Function Octa-PCBs	253.909	8.68		264.318		0.886		2.					11-Oct-19	13:30:06		1903285-07	PDI-103SG-00-0	1.0	5.38	db1_P...

Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC
1 PCB-176	44.72	4.782e4	4.148e4	3.633e3	3.450e3	1.95	NO	7.083e3	28.2	28.2
2 PCB-179	44.25	1.638e5	1.527e5	1.301e4	1.228e4	1.06	NO	2.529e4	99.4	99.4
3 PCB-184	43.44	1.083e3	2.396e3	8.705e1	1.569e2	0.55	YES	2.439e2	0.000	0.874
4 PCB-188	42.98	1.624e3	9.230e2	1.319e2	6.962e1	1.92	YES	2.005e2	0.000	0.545
5 PCB-170	51.36	1.839e5	1.603e5	1.452e4	1.288e4	1.13	NO	2.739e4	166	166
6 PCB-191	50.16	1.214e4	6.990e3	1.030e3	6.103e2	1.69	YES	1.641e3	0.000	5.58

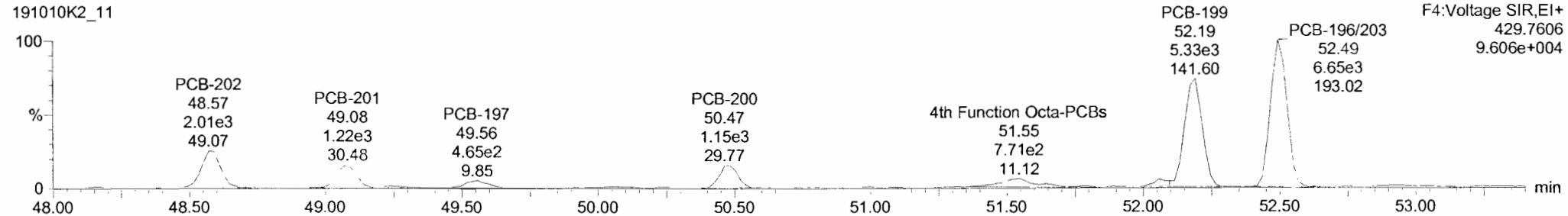
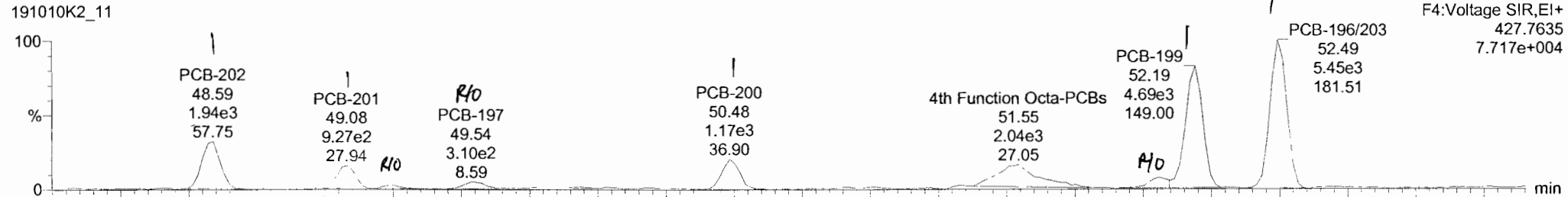


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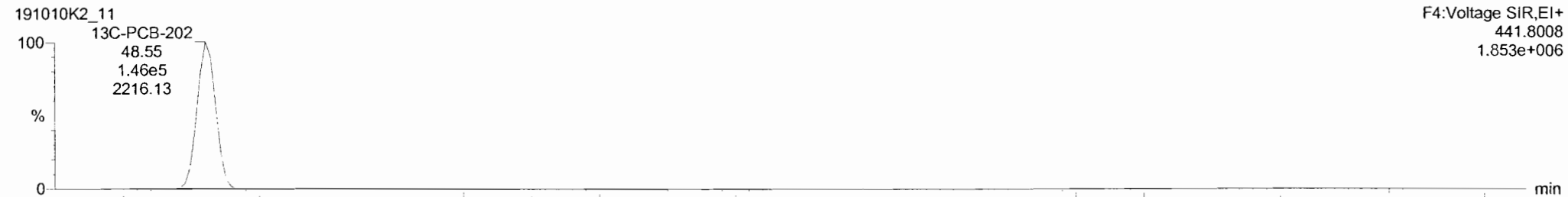
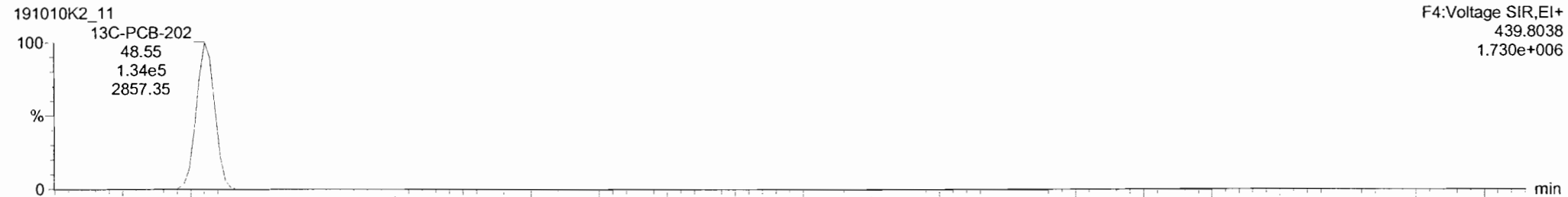
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Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

PCB-202



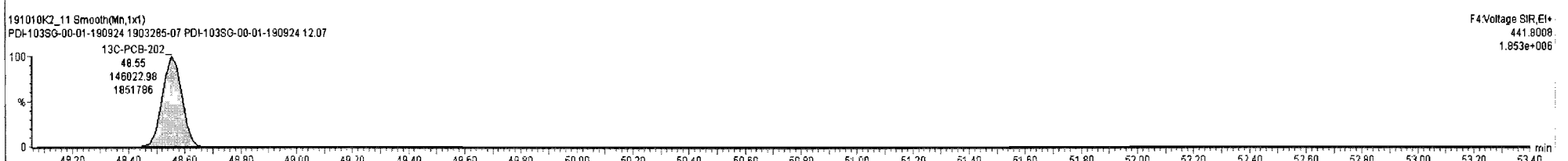
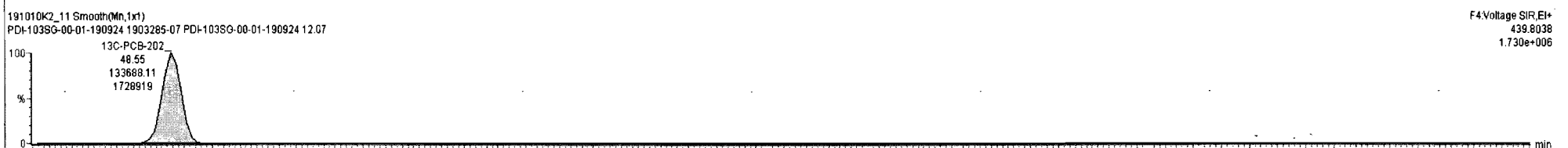
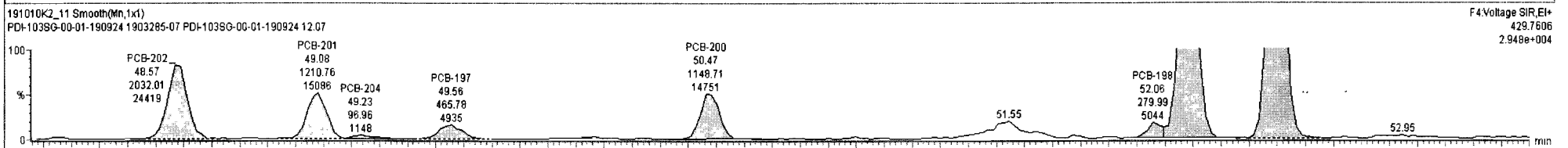
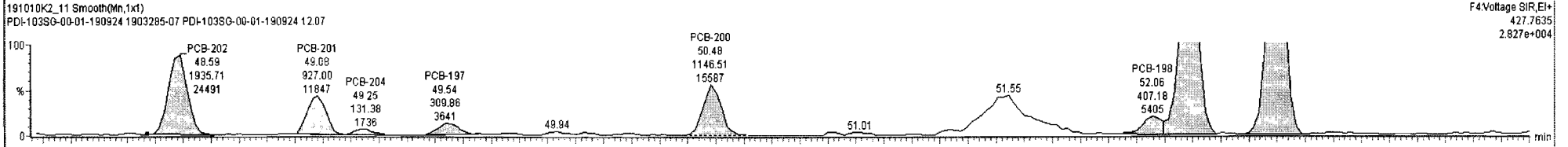
13C-PCB-202



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	4th Function Octa-PCBs				0.8663	5.301	0.00		0.000		NO	253.9		8.68	264.3
235	5th Function Octa-PCBs				1.1967	5.361	0.00		0.000		NO	129.9		2.29	133.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-202	48.59	48.59	1.936e3	2.032e3	0.890	0.95	NO	25.743	25.743
2	PCB-201	49.08	49.08	9.270e2	1.211e3	0.890	0.77	NO	15.522	15.522
3	PCB-204	49.22	49.25	1.314e2	9.696e1	0.890	1.36	YES	1.2438	0.00000
4	PCB-197	49.54	49.54	3.099e2	4.658e2	0.890	0.67	YES	4.4662	0.00000
5	PCB-200	50.49	50.48	1.147e3	1.149e3	0.890	1.00	NO	15.983	15.983
6	PCB-198	52.04	52.06	4.072e2	2.800e2	0.890	1.45	YES	4.6992	0.00000
7	PCB-199	52.16	52.19	4.686e3	5.328e3	0.890	0.88	NO	94.262	94.262

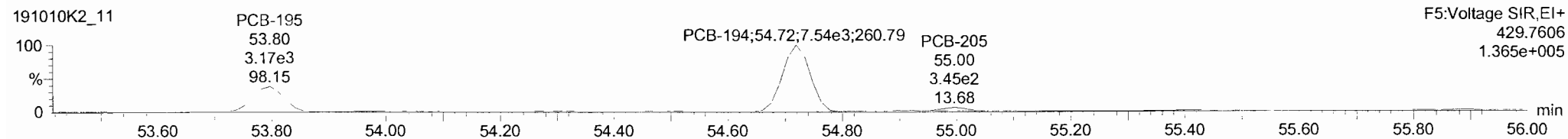
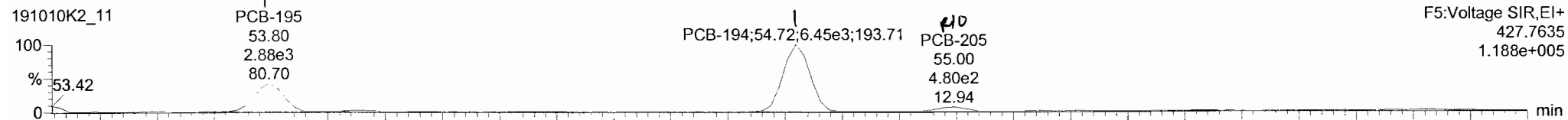


Dataset: Untitled

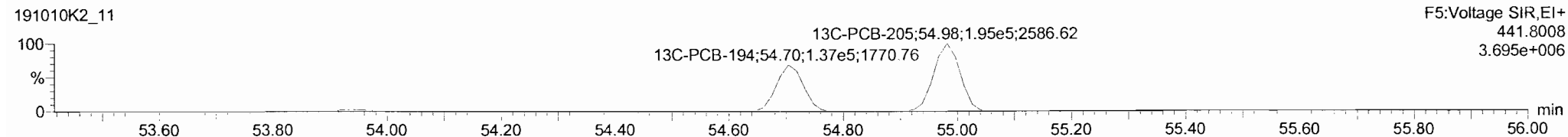
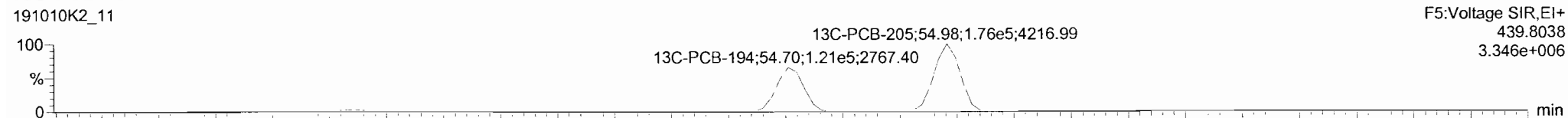
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Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

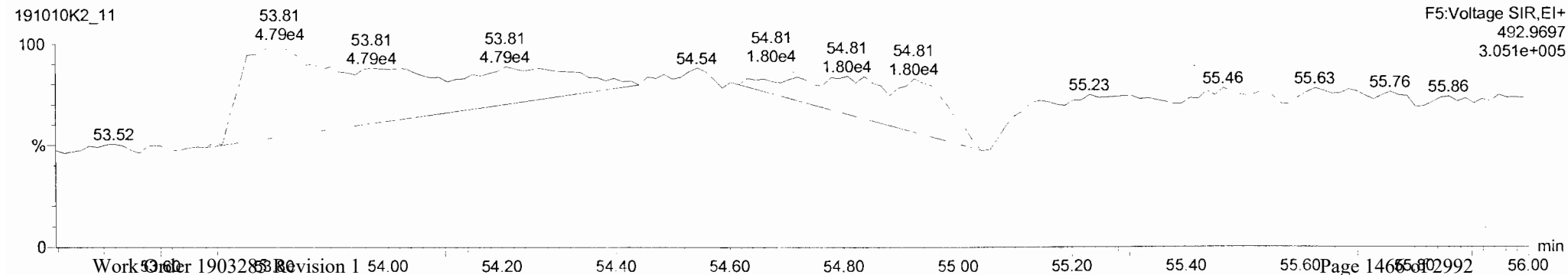
PCB-195

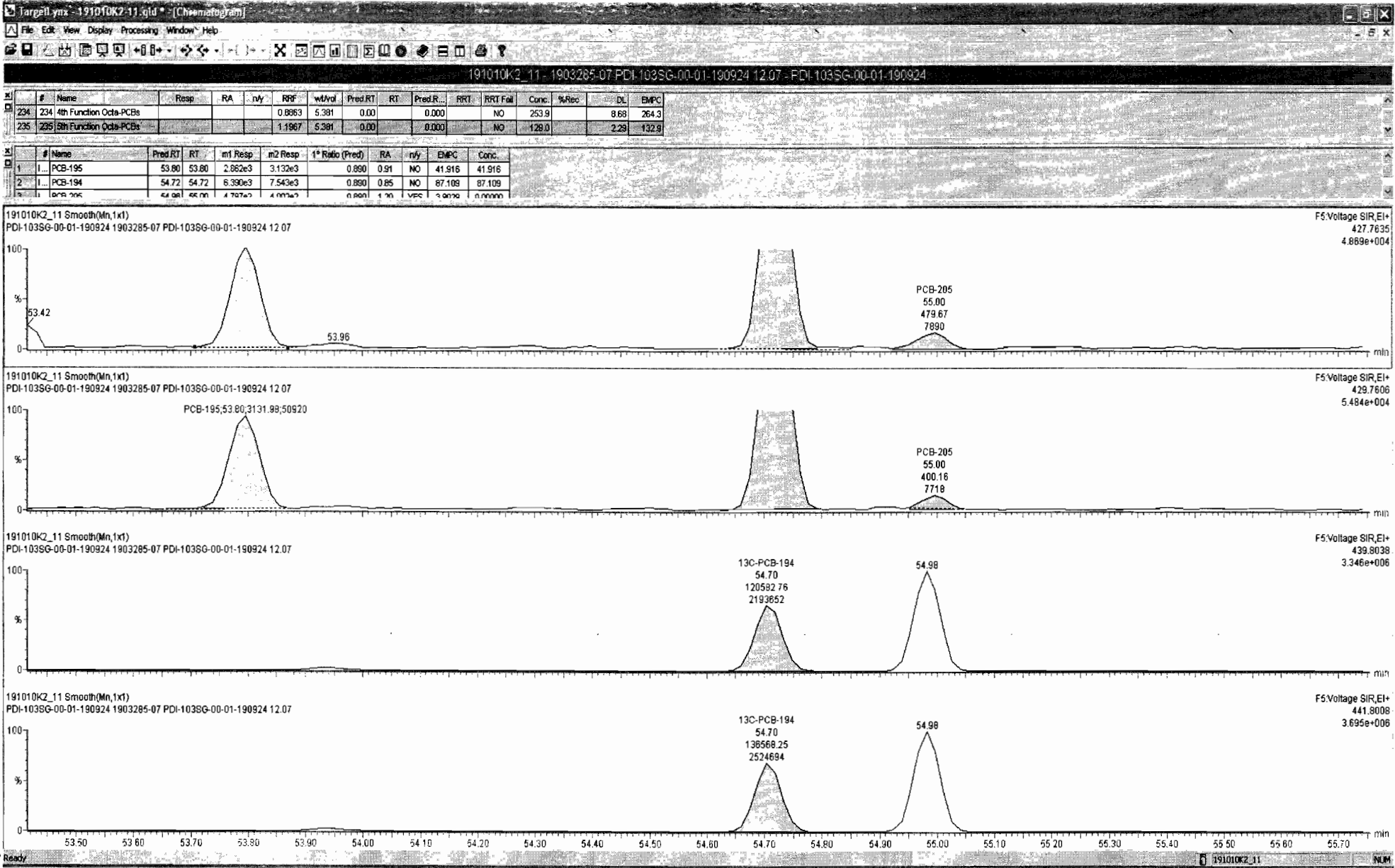


13C-PCB-194



PFK5





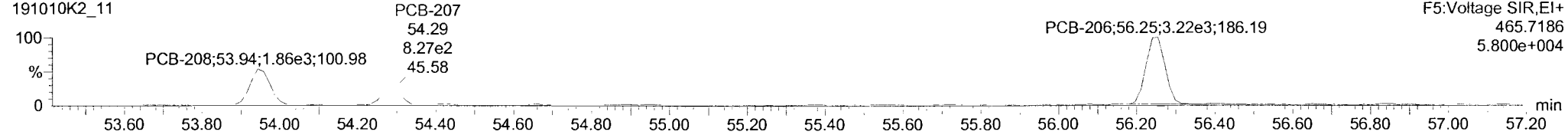
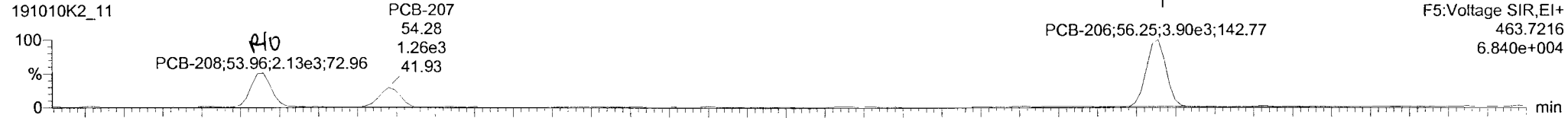
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Last Altered: Friday, October 11, 2019 14:38:12 Pacific Daylight Time

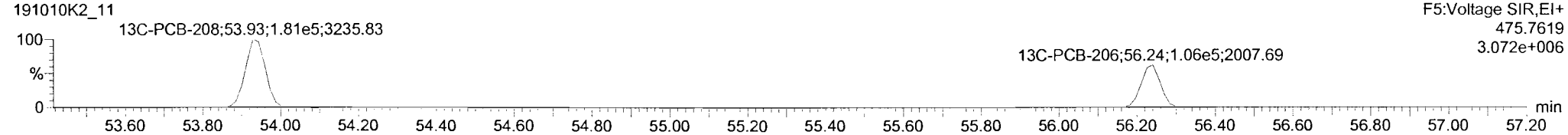
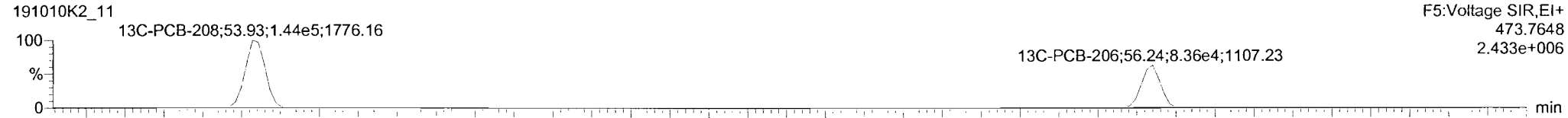
Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

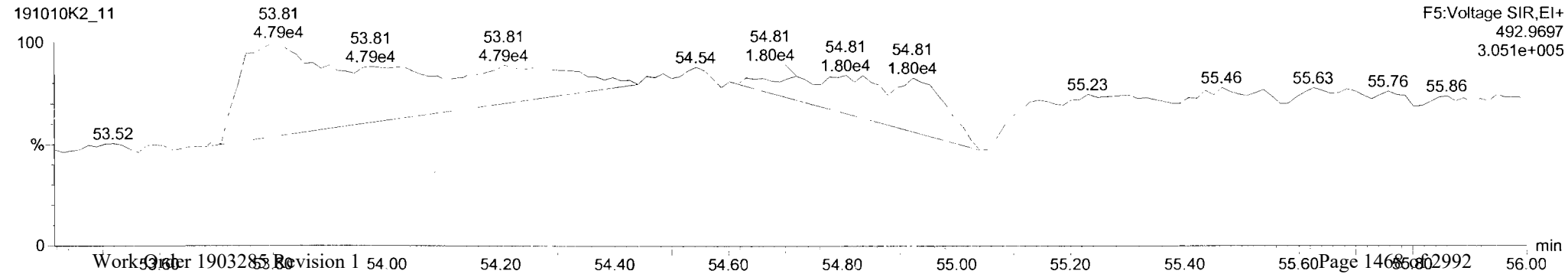
PCB-208



13C-PCB-208



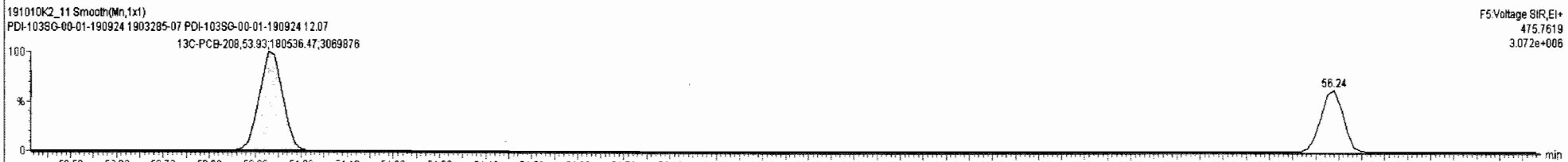
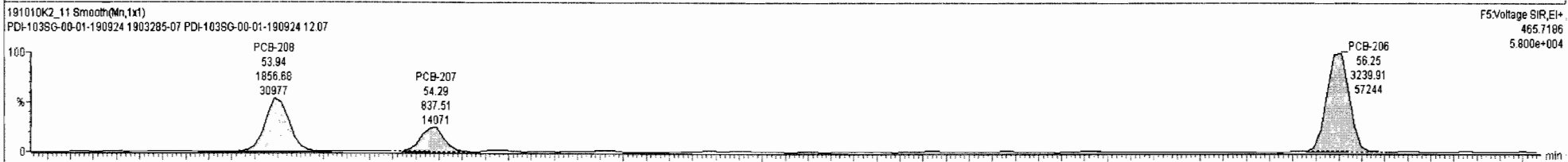
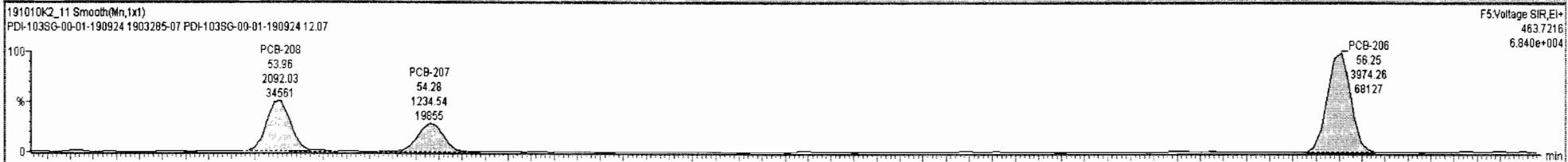
PFK5



191010K2_11 - 1903285-07 PDI-103SG-00-01-190924 12.07 - PDI-103SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
234	234 4th Function Octa-PCBs				0.8863	5.381	0.00		0.000		NO	253.9		8.68	264.3
235	235 5th Function Octa-PCBs				1.1967	5.381	0.00		0.000		NO	129.0		2.29	132.9

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	nly	EMPC	Conc.
1	1... PCB-208	53.95	53.96	2.092e3	1.857e3	1.340	1.13	YES	22.410	0.00000
2	1... PCB-207	54.26	54.26	1.235e3	8.375e2	1.340	1.47	NO	13.019	13.019
3	1... PCB-208	56.26	56.25	3.974e3	3.240e3	1.340	1.23	NO	71.612	71.612

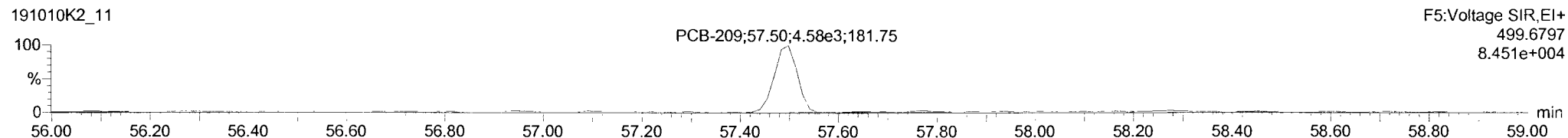
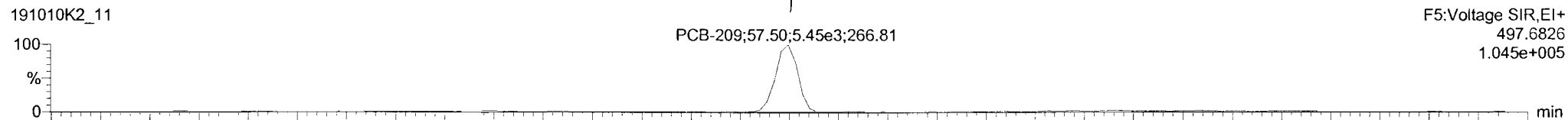


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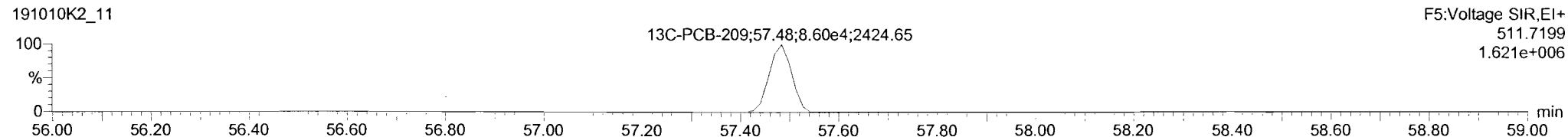
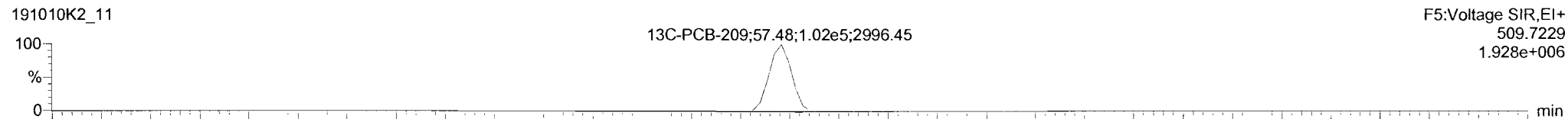
Last Altered: Friday, October 11, 2019 14:38:12 Pacific Daylight Time
Printed: Friday, October 11, 2019 14:39:03 Pacific Daylight Time

Name: 191010K2_11, Date: 11-Oct-2019, Time: 13:30:06, ID: 1903285-07 PDI-103SG-00-01-190924 12.07, Description: PDI-103SG-00-01-190924

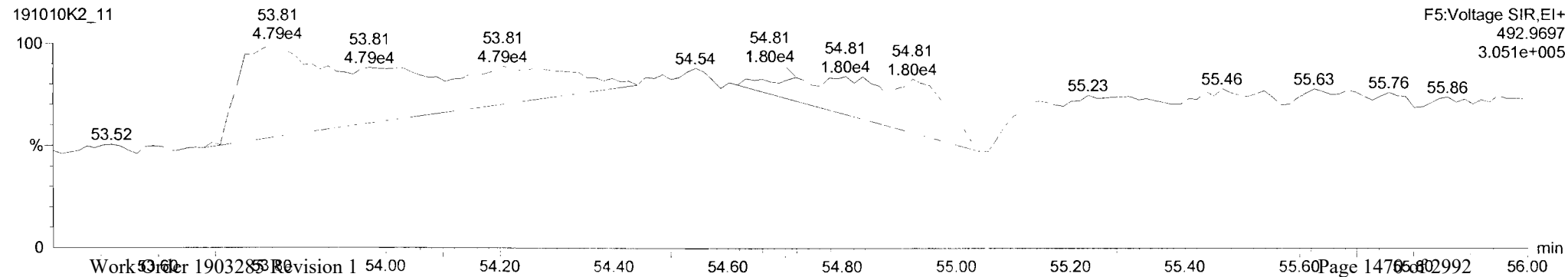
PCB-209



13C-PCB-209



PFK5



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-12.qld

Last Altered: Monday, October 21, 2019 09:02:45 Pacific Daylight Time
Printed: Monday, October 21, 2019 09:04:28 Pacific Daylight Time

EL 10-21-19

HZ 11-1-19

07/11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
Calibration: U:\VG11.PRO\CurveDB\cb1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	627.569	3.849	YES	1.02	5.878	15.51	15.51	1.00	1.00	NO	4.326		0.682	3.685
2	2 PCB-2	806.374	2.484	YES	1.01	5.878	17.93	17.93	0.99	0.99	NO	5.229		0.657	4.919
3	3 PCB-3	555.865	2.872	NO	1.01	5.878	18.15	18.17	1.00	1.00	NO	3.612		0.659	3.612
4	4 PCB-4/10				1.28	5.878	19.58		1.00		YES			1.82	
5	5 PCB-7/9				0.976	5.878	21.38		1.00		YES			1.42	
6	6 PCB-6				1.02	5.878	22.03		1.03		YES			1.36	
7	7 PCB-5/8	2822.633	1.147	YES	1.01	5.878	22.44	22.43	1.05	1.05	NO	15.35		1.37	13.46
8	8 PCB-14				1.03	5.878	23.59		0.95		YES			1.27	
9	9 PCB-11	3456.426	1.291	YES	1.10	5.878	24.80	24.80	1.00	1.00	NO	15.88		1.20	14.68
10	10 PCB-12/13				1.04	5.878	25.23		1.02		YES			1.27	
11	11 PCB-15	2513.743	1.516	NO	1.03	5.878	25.53	25.52	1.03	1.03	NO	12.31		1.28	12.31
12	12 PCB-19	811.126	0.806	YES	0.934	5.878	23.77	23.76	1.00	1.00	NO	9.327		1.15	8.164
13	13 PCB-30				1.48	5.878	24.66		1.04		YES			0.727	
14	14 PCB-18	3160.858	0.942	NO	0.693	5.878	25.45	25.44	0.95	0.95	NO	31.60		0.981	31.60
15	15 PCB-17	1413.484	1.347	YES	0.667	5.878	25.61	25.61	0.96	0.96	NO	17.68		1.02	12.76
16	16 PCB-24/27	447.132	0.936	NO	0.915	5.878	26.22	26.19	0.98	0.98	NO	3.387		0.744	3.387
17	17 PCB-16/32	2553.805	1.122	NO	0.792	5.878	26.75	26.75	1.00	1.00	NO	22.33		0.858	22.33
18	18 PCB-34				0.987	5.878	27.57		0.96		YES			1.06	
19	19 PCB-23				0.974	5.878	27.66		0.96		YES			1.07	
20	20 PCB-29				0.953	5.878	27.93		0.97		YES			1.10	
21	21 PCB-26	1667.061	1.051	NO	1.00	5.878	28.14	28.13	0.98	0.98	NO	10.56		1.05	10.56
22	22 PCB-25	854.482	0.852	YES	0.978	5.878	28.31	28.30	0.98	0.98	NO	5.342		1.07	5.002
23	23 PCB-31	8181.260	1.009	NO	1.12	5.878	28.68	28.65	1.00	1.00	NO	46.20		0.932	46.20
24	24 PCB-28	8887.701	1.037	NO	1.11	5.878	28.76	28.76	1.00	1.00	NO	50.98		0.946	50.98
25	25 PCB-20/21/33	4040.752	1.046	NO	1.00	5.878	29.39	29.42	1.02	1.02	NO	25.54		1.04	25.54
26	26 PCB-22	2860.959	1.295	YES	1.03	5.878	29.86	29.86	1.04	1.04	NO	17.57		1.01	15.62
27	27 PCB-36				1.18	5.878	30.49		0.93		YES			0.899	
28	28 PCB-39				1.08	5.878	30.96		0.95		YES			0.976	
29	29 PCB-38				1.13	5.878	31.77		0.97		YES			0.938	
30	30 PCB-35				1.13	5.878	32.31		0.99		YES			0.935	
31	31 PCB-37	2961.598	1.260	YES	1.11	5.878	32.76	32.75	1.00	1.00	NO	17.55		0.957	13.13

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-12.qld

Last Altered: Monday, October 21, 2019 09:02:45 Pacific Daylight Time

Printed: Monday, October 21, 2019 09:04:28 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54				0.996	5.878	27.59		1.00		YES			0.816	
33	33 PCB-50				0.781	5.878	28.79		1.04		YES			1.04	
34	34 PCB-53	1474.774	0.753	NO	0.955	5.878	29.47	29.47	0.94	0.94	NO	14.09		1.04	14.09
35	35 PCB-51	735.529	0.623	YES	1.02	5.878	29.82	29.83	0.95	0.95	NO	6.558		0.974	5.789
36	36 PCB-45	1075.718	0.707	NO	0.808	5.878	30.27	30.27	0.97	0.97	NO	12.15		1.23	12.15
37	37 PCB-46	377.278	0.688	NO	0.754	5.878	30.77	30.77	0.99	0.99	NO	4.569		1.32	4.569
38	38 PCB-52/69	10813.636	0.786	NO	1.09	5.878	31.28	31.26	1.00	1.00	NO	90.39		0.913	90.39
39	39 PCB-73				1.29	5.878	31.40		1.01		YES			0.773	
40	40 PCB-43/49	6406.246	0.798	NO	0.940	5.878	31.56	31.58	1.01	1.01	NO	62.19		1.06	62.19
41	41 PCB-47	3162.838	0.837	NO	0.869	5.878	31.78	31.78	1.00	1.00	NO	31.86		1.09	31.86
42	42 PCB-48/75	1772.289	0.841	NO	1.02	5.878	31.89	31.89	1.00	1.00	NO	15.14		0.923	15.14
43	43 PCB-65				1.11	5.878	32.16		1.01		YES			0.853	
44	44 PCB-62				1.07	5.878	32.27		1.02		YES			0.887	
45	45 PCB-44	6221.771	0.781	NO	0.761	5.878	32.61	32.60	1.03	1.03	NO	71.55		1.24	71.55
46	46 PCB-42/59	2696.448	0.737	NO	0.960	5.878	32.82	32.84	1.03	1.03	NO	24.58		0.984	24.58
47	47 PCB-41/64/71/72	8806.477	0.742	NO	1.08	5.878	33.44	33.44	1.05	1.05	NO	71.24		0.874	71.24
48	48 PCB-68	247.880	0.993	YES	1.11	5.878	33.70	33.72	1.06	1.06	NO	1.967		0.853	1.738
49	49 PCB-40	1034.488	0.919	YES	0.577	5.878	33.93	33.92	1.07	1.07	NO	15.70		1.64	14.48
50	50 PCB-57				1.05	5.878	34.29		0.97		YES			0.778	
51	51 PCB-67	362.499	0.704	NO	0.993	5.878	34.62	34.63	0.98	0.98	NO	2.676		0.821	2.676
52	52 PCB-58				1.11	5.878	34.75		0.98		YES			0.733	
53	53 PCB-63	496.595	0.575	YES	0.962	5.878	34.90	34.87	0.99	0.99	NO	3.784		0.848	3.176
54	54 PCB-74	5462.182	0.679	NO	1.07	5.878	35.19	35.19	0.99	0.99	NO	37.56		0.765	37.56
55	55 PCB-61/70	12667.143	0.738	NO	0.986	5.878	35.41	35.41	1.00	1.00	NO	94.19		0.827	94.19
56	56 PCB-76/66	10713.338	0.750	NO	1.07	5.878	35.57	35.61	1.00	1.01	NO	73.65		0.765	73.65
57	57 PCB-80				1.08	5.878	35.84		1.00		YES			0.693	
58	58 PCB-55				1.07	5.878	36.16		1.01		YES			0.703	
59	59 PCB-56/60	7462.156	0.750	NO	0.934	5.878	36.66	36.67	1.02	1.02	NO	55.52		0.804	55.52
60	60 PCB-79	324.496	0.902	YES	1.04	5.878	37.78	37.79	1.05	1.06	NO	2.159		0.719	2.009
61	61 PCB-78				1.03	5.878	38.50		0.99		YES			0.758	
62	62 PCB-81				0.933	5.878	39.04		1.00		YES			0.839	
63	63 PCB-77	1360.952	0.613	YES	1.03	5.878	39.65	39.65	1.00	1.00	NO	9.758		0.789	8.521
64	64 PCB-104				0.995	5.878	32.43		1.00		YES			1.34	
65	65 PCB-96				0.996	5.878	33.73		1.04		YES			1.34	

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-12.qld

Last Altered: Monday, October 21, 2019 09:02:45 Pacific Daylight Time

Printed: Monday, October 21, 2019 09:04:28 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103				0.774	5.878	34.29		1.06		YES			1.72	
67	67 PCB-100				0.778	5.878	34.66		1.07		YES			1.71	
68	68 PCB-94				0.773	5.878	35.17		0.99		YES			2.15	
69	69 PCB-95/98/102	7339.423	1.569	NO	1.01	5.878	35.64	35.71	1.00	1.00	NO	90.16		1.64	90.16
70	70 PCB-93				0.841	5.878	35.77		1.00		YES			1.97	
71	71 PCB-88/91	1582.829	1.108	YES	0.890	5.878	36.12	36.12	1.01	1.01	NO	22.18		1.87	19.13
72	72 PCB-121				1.39	5.878	36.21		1.01		YES			1.20	
73	73 PCB-84/92	4320.203	1.434	NO	0.879	5.878	37.07	37.06	0.99	0.99	NO	61.20		1.89	61.20
74	74 PCB-89				0.959	5.878	37.28		1.00		YES			1.73	
75	75 PCB-90/101	10872.112	1.495	NO	0.944	5.878	37.46	37.46	1.00	1.00	NO	143.4		1.76	143.4
76	76 PCB-113				1.23	5.878	37.70		1.01		YES			1.35	
77	77 PCB-99	5103.431	1.620	NO	1.12	5.878	37.80	37.79	1.01	1.01	NO	56.77		1.48	56.77
78	78 PCB-119	636.164	1.460	NO	1.47	5.878	38.27	38.27	0.99	0.99	NO	6.305		1.34	6.305
79	79 PCB-108/112	640.187	1.701	NO	1.25	5.878	38.43	38.44	0.99	0.99	NO	7.472		1.58	7.472
80	80 PCB-83	135.925	1.002	YES	1.55	5.878	38.60	38.55	1.00	0.99	NO	1.281		1.28	1.052
81	81 PCB-97	2803.934	1.430	NO	1.07	5.878	38.82	38.80	1.00	1.00	NO	38.03		1.84	38.03
82	82 PCB-86	126.069	2.158	YES	0.996	5.878	38.96	38.96	1.00	1.00	NO	1.847		1.90	1.497
83	83 PCB-87/117/125	4169.941	1.632	NO	1.33	5.878	39.07	39.09	1.01	1.01	NO	45.63		1.48	45.63
84	84 PCB-111/115	206.812	0.966	YES	1.60	5.878	39.24	39.22	1.01	1.01	NO	1.884		1.23	1.519
85	85 PCB-85/116	1920.500	1.033	YES	1.22	5.878	39.36	39.35	1.02	1.01	NO	23.08		1.63	19.21
86	86 PCB-120				1.68	5.878	39.63		1.02		YES			1.18	
87	87 PCB-110	13468.175	1.516	NO	1.49	5.878	39.77	39.76	1.03	1.03	NO	132.2		1.33	132.2
88	88 PCB-82	1059.798	1.393	NO	0.674	5.878	40.39	40.40	0.98	0.98	NO	15.93		2.04	15.93
89	89 PCB-124	599.876	2.021	YES	1.16	5.878	41.13	41.12	0.99	0.99	NO	5.290		1.48	4.432
90	90 PCB-107/109	1029.441	1.569	NO	1.17	5.878	41.27	41.29	1.00	1.00	NO	8.950		1.18	8.950
91	91 PCB-123				1.04	5.878	41.44		1.00		YES			1.32	
92	92 PCB-106/118	11252.995	1.417	NO	1.07	5.878	41.64	41.62	1.00	1.00	NO	102.6		1.25	102.6
93	93 PCB-114				1.16	5.878	42.30		1.00		YES			1.22	
94	94 PCB-122				0.973	5.878	42.43		1.00		YES			1.46	
95	95 PCB-105	6116.020	1.543	NO	1.10	5.878	43.19	43.19	1.00	1.00	NO	41.84		1.23	41.84
96	96 PCB-127				1.11	5.878	43.55		1.00		YES			1.16	
97	97 PCB-126				1.21	5.878	45.50		1.00		YES			1.20	
98	98 PCB-155				0.874	5.878	36.97		1.00		YES			1.28	
99	99 PCB-150				0.881	5.878	38.27		1.04		YES			1.26	

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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152				1.00	5.878	38.76		1.05		YES			1.11	
101	101 PCB-145				1.00	5.878	39.20		1.06		YES			1.11	
102	102 PCB-136	1354.293	1.083	NO	0.843	5.878	39.56	39.56	1.07	1.07	NO	21.70		1.32	21.70
103	103 PCB-148				0.693	5.878	39.67		1.07		YES			1.61	
104	104 PCB-154	224.875	1.218	NO	0.724	5.878	40.16	40.19	1.09	1.09	NO	4.197		1.54	4.197
105	105 PCB-151	2068.270	1.306	NO	0.632	5.878	40.83	40.84	1.11	1.11	NO	44.21		1.76	44.21
106	106 PCB-135	1203.891	1.269	NO	0.716	5.878	41.05	41.08	1.11	1.11	NO	22.72		1.56	22.72
107	107 PCB-144	360.107	2.288	YES	0.667	5.878	41.16	41.18	1.11	1.11	NO	7.299		1.67	4.973
108	108 PCB-147	194.638	0.862	YES	0.661	5.878	41.28	41.35	1.12	1.12	NO	3.929		1.69	3.327
109	109 PCB-139/149	6418.581	1.317	NO	0.738	5.878	41.57	41.59	1.13	1.13	NO	117.5		1.51	117.5
110	110 PCB-140				0.627	5.878	41.76		1.13		YES			1.78	
111	111 PCB-134/143	538.924	1.603	YES	0.733	5.878	42.25	42.26	0.97	0.98	NO	6.962		1.43	5.991
112	112 PCB-131/133	492.509	1.072	NO	0.790	5.878	42.54	42.55	0.98	0.98	NO	5.905		1.33	5.905
113	113 PCB-142				0.708	5.878	42.69		0.99		YES			1.48	
114	114 PCB-146/165	2445.012	1.214	NO	0.959	5.878	42.94	42.94	0.99	0.99	NO	24.14		1.09	24.14
115	115 PCB-132/161	3806.864	1.037	YES	0.974	5.878	43.18	43.23	1.00	1.00	NO	37.01		1.08	34.04
116	116 PCB-153	14546.689	1.148	NO	1.01	5.878	43.36	43.36	1.00	1.00	NO	136.2		1.04	136.2
117	117 PCB-168				1.02	5.878	43.59		1.01		YES			1.03	
118	118 PCB-141	2435.560	1.253	NO	0.967	5.878	44.12	44.14	1.00	1.00	NO	28.73		1.37	28.73
119	119 PCB-137	619.850	1.245	NO	0.987	5.878	44.50	44.52	1.01	1.01	NO	7.163		1.34	7.163
120	120 PCB-130	860.059	1.060	NO	0.840	5.878	44.61	44.63	1.01	1.01	NO	11.68		1.58	11.68
121	121 PCB-138/163/164	15268.524	1.282	NO	1.23	5.878	45.01	45.01	1.00	1.00	NO	138.3		1.01	138.3
122	122 PCB-158/160	1761.425	1.265	NO	1.18	5.878	45.25	45.24	1.01	1.01	NO	16.61		1.06	16.61
123	123 PCB-129	453.307	0.928	YES	0.819	5.878	45.50	45.52	1.01	1.01	NO	6.746		1.52	5.345
124	124 PCB-166				1.07	5.878	45.98		0.99		YES			0.956	
125	125 PCB-159				1.12	5.878	46.32		1.00		YES			0.914	
126	126 PCB-128/162	1852.312	1.014	YES	0.851	5.878	46.60	46.60	1.01	1.01	NO	18.95		1.28	17.23
127	127 PCB-167	603.359	0.892	YES	1.04	5.878	47.02	47.02	1.00	1.00	NO	5.490		1.05	4.676
128	128 PCB-156	1411.159	1.153	NO	1.06	5.878	48.34	48.36	1.00	1.00	NO	12.83		1.05	12.83
129	129 PCB-157	430.870	1.394	NO	0.978	5.878	48.65	48.63	1.00	1.00	NO	4.132		1.09	4.132
130	130 PCB-169				1.11	5.878	50.90		1.00		YES			1.05	
131	131 PCB-188				1.19	5.878	43.00		1.00		YES			1.28	
132	132 PCB-184				1.17	5.878	43.44		1.01		YES			1.30	
133	133 PCB-179	1838.319	1.085	NO	1.18	5.878	44.25	44.25	1.03	1.03	NO	18.45		1.29	18.45

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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
134	134 PCB-176	498.216	1.393	YES	1.16	5.878	44.72	44.72	1.04	1.04	NO	5.073		1.31	4.346
135	135 PCB-186				1.22	5.878	45.33		1.06		YES			1.25	
136	136 PCB-178	759.069	1.057	NO	0.830	5.878	45.84	45.86	1.07	1.07	NO	10.79		1.83	10.79
137	137 PCB-175	241.619	0.988	NO	0.849	5.878	46.20	46.22	1.08	1.08	NO	3.361		1.79	3.361
138	138 PCB-182/187	4276.589	1.021	NO	0.960	5.878	46.40	46.39	1.08	1.08	NO	52.59		1.59	52.59
139	139 PCB-183	2068.529	1.220	YES	0.957	5.878	46.73	46.73	1.09	1.09	NO	25.53		1.69	23.57
140	140 PCB-185	372.445	1.155	NO	1.32	5.878	47.41	47.42	0.95	0.95	NO	4.938		1.75	4.938
141	141 PCB-174	3059.189	1.221	YES	1.22	5.878	47.78	47.78	0.96	0.96	NO	43.92		1.89	40.54
142	142 PCB-181				1.41	5.878	47.88		0.96		YES			1.63	
143	143 PCB-177	1882.115	1.047	NO	1.24	5.878	48.06	48.06	0.97	0.97	NO	26.54		1.86	26.54
144	144 PCB-171	820.181	1.021	NO	1.24	5.878	48.35	48.36	0.97	0.97	NO	11.55		1.85	11.55
145	145 PCB-173				1.14	5.878	48.79		0.98		YES			2.02	
146	146 PCB-172	618.989	0.795	YES	1.31	5.878	49.27	49.27	0.99	0.99	NO	8.285		1.76	7.166
147	147 PCB-192				1.70	5.878	49.46		1.00		YES			1.35	
148	148 PCB-180	6946.927	1.084	NO	1.32	5.878	49.67	49.69	1.00	1.00	NO	92.07		1.75	92.07
149	149 PCB-193	538.180	0.923	NO	1.54	5.878	49.90	49.88	1.00	1.00	NO	6.117		1.50	6.117
150	150 PCB-191				1.57	5.878	50.14		1.01		YES			1.46	
151	151 PCB-170	2668.320	1.090	NO	1.36	5.878	51.34	51.34	1.00	1.00	NO	41.52		2.06	41.52
152	152 PCB-190	889.110	0.958	NO	1.84	5.878	51.52	51.55	1.00	1.00	NO	10.22		1.52	10.22
153	153 PCB-189				1.33	5.878	53.08		1.00		YES			1.34	
154	154 PCB-202				1.02	5.878	48.59		1.00		YES			1.52	
155	155 PCB-201				0.915	5.878	49.08		1.01		YES			1.70	
156	156 PCB-204				0.979	5.878	49.22		1.01		YES			1.59	
157	157 PCB-197				0.979	5.878	49.54		1.02		YES			1.59	
158	158 PCB-200				0.954	5.878	50.49		1.04		YES			1.63	
159	159 PCB-198				0.748	5.878	52.04		1.07		YES			2.08	
160	160 PCB-199	1169.736	0.827	YES	0.706	5.878	52.16	52.17	1.07	1.07	NO	25.33		2.21	20.72
161	161 PCB-196/203	1182.060	0.911	NO	0.785	5.878	52.48	52.49	1.08	1.08	NO	23.03		1.98	23.03
162	162 PCB-195	631.704	1.219	YES	1.03	5.878	53.80	53.78	0.98	0.98	NO	8.987		1.23	7.653
163	163 PCB-194	1355.083	0.978	NO	1.16	5.878	54.72	54.72	1.00	1.00	NO	17.23		1.10	17.23
164	164 PCB-205				1.40	5.878	54.98		1.01		YES			0.908	
165	165 PCB-208	254.945	1.267	NO	0.934	5.878	53.95	53.94	1.00	1.00	NO	3.239		1.11	3.239
166	166 PCB-207	210.306	1.167	NO	0.912	5.878	54.26	54.28	1.01	1.01	NO	2.736		1.14	2.736
167	167 PCB-206	672.324	0.984	YES	0.987	5.878	56.24	56.24	1.00	1.00	NO	13.52		1.67	11.72

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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	654.975	1.769	YES	0.943	5.878	57.47	57.48	1.00	1.00	NO	13.52		2.02	10.60
169	169 13C-PCB-1	241817.441	3.222	NO	1.08	5.878	15.51	15.50	0.61	0.61	NO	266.6	15.7	1.76	
170	170 13C-PCB-3	259983.945	3.462	NO	1.09	5.878	18.16	18.14	0.71	0.71	NO	283.1	16.6	1.73	
171	171 13C-PCB-4	182324.836	1.605	NO	0.640	5.878	19.52	19.50	0.77	0.76	NO	338.5	19.9	0.592	
172	172 13C-PCB-9	309359.132	1.591	NO	0.995	5.878	21.34	21.32	0.84	0.84	NO	369.3	21.7	0.381	
173	173 13C-PCB-11	337902.750	1.615	NO	0.971	5.878	24.79	24.78	0.97	0.97	NO	413.3	24.3	0.390	
174	174 13C-PCB-19	158364.172	0.988	NO	0.637	5.878	23.75	23.74	0.93	0.93	NO	295.2	17.4	4.70	
175	175 13C-PCB-32	245571.726	0.997	NO	0.910	5.878	26.74	26.73	1.05	1.05	NO	320.6	18.8	3.29	
176	176 13C-PCB-28	268207.859	0.971	NO	1.07	5.878	28.74	28.75	1.00	1.00	NO	348.2	20.5	3.31	
177	177 13C-PCB-37	312971.828	1.007	NO	0.959	5.878	32.72	32.73	1.14	1.14	NO	452.8	26.6	3.69	
178	178 13C-PCB-54	218061.438	0.784	NO	1.10	5.878	27.59	27.57	0.75	0.75	NO	365.2	21.5	0.873	
179	179 13C-PCB-52	186410.461	0.758	NO	0.844	5.878	31.25	31.24	0.85	0.85	NO	406.2	23.9	1.14	
180	180 13C-PCB-47	194405.828	0.763	NO	0.893	5.878	31.77	31.76	0.87	0.87	NO	400.3	23.5	1.07	
181	181 13C-PCB-70	232130.516	0.761	NO	1.01	5.878	35.39	35.39	0.97	0.97	NO	423.7	24.9	0.952	
182	182 13C-PCB-80	244734.610	0.745	NO	1.05	5.878	35.82	35.82	0.98	0.98	NO	430.4	25.3	0.917	
183	183 13C-PCB-81	239026.344	0.777	NO	0.985	5.878	39.02	39.02	1.06	1.06	NO	446.4	26.2	0.973	
184	184 13C-PCB-77	229749.422	0.754	NO	0.958	5.878	39.63	39.63	1.08	1.08	NO	440.9	25.9	1.00	
185	185 13C-PCB-104	176348.258	1.635	NO	1.10	5.878	32.43	32.41	0.83	0.83	NO	405.1	23.8	0.605	
186	186 13C-PCB-95	136469.511	1.609	NO	0.852	5.878	35.68	35.69	0.91	0.91	NO	403.6	23.7	0.778	
187	187 13C-PCB-101	136691.524	1.593	NO	0.814	5.878	37.43	37.44	0.95	0.95	NO	423.4	24.9	0.815	
188	188 13C-PCB-97	116671.860	1.728	NO	0.709	5.878	38.78	38.78	0.99	0.99	NO	414.5	24.4	0.935	
189	189 13C-PCB-123	167775.250	1.636	NO	0.922	5.878	41.42	41.42	1.06	1.06	NO	458.8	27.0	0.720	
190	190 13C-PCB-118	174415.785	1.681	NO	0.975	5.878	41.60	41.60	1.06	1.06	NO	450.8	26.5	0.680	
191	191 13C-PCB-114	215580.929	1.507	NO	1.52	5.878	42.29	42.28	0.91	0.91	NO	486.6	28.6	0.903	
192	192 13C-PCB-105	225895.149	1.527	NO	1.58	5.878	43.18	43.17	0.93	0.93	NO	489.3	28.8	0.867	
193	193 13C-PCB-127	234829.797	1.558	NO	1.62	5.878	43.52	43.53	0.93	0.93	NO	496.7	29.2	0.846	
194	194 13C-PCB-126	214566.774	1.522	NO	1.45	5.878	45.49	45.48	0.98	0.98	NO	509.2	29.9	0.949	
195	195 13C-PCB-155	125915.446	1.301	NO	1.03	5.878	36.97	36.95	0.94	0.94	NO	309.3	18.2	0.316	
196	196 13C-PCB-153	179566.953	1.245	NO	1.42	5.878	43.35	43.34	0.93	0.93	NO	432.5	25.4	1.15	
197	197 13C-PCB-141	149121.727	1.219	NO	1.14	5.878	44.10	44.10	0.95	0.95	NO	447.6	26.3	1.43	
198	198 13C-PCB-138	153146.734	1.262	NO	1.18	5.878	44.98	44.97	0.97	0.97	NO	445.1	26.2	1.38	
199	199 13C-PCB-159	195521.078	1.245	NO	1.43	5.878	46.29	46.30	0.99	0.99	NO	467.8	27.5	1.14	
200	200 13C-PCB-167	179328.164	1.270	NO	1.42	5.878	47.01	47.00	1.01	1.01	NO	431.9	25.4	1.14	
201	201 13C-PCB-156	177032.532	1.239	NO	1.40	5.878	48.31	48.33	1.04	1.04	NO	434.4	25.5	1.17	

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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	181442.961	1.305	NO	1.41	5.878	48.61	48.61	1.04	1.04	NO	442.4	26.0	1.16	
203	203 13C-PCB-169	169325.493	1.274	NO	1.35	5.878	50.88	50.88	1.09	1.09	NO	431.4	25.4	1.21	
204	204 13C-PCB-188	144103.348	0.437	NO	1.46	5.878	42.98	42.96	0.93	0.93	NO	433.7	25.5	0.815	
205	205 13C-PCB-180	97236.521	0.454	NO	0.932	5.878	49.65	49.65	1.07	1.07	NO	459.4	27.0	1.28	
206	206 13C-PCB-170	80320.311	0.437	NO	0.796	5.878	51.31	51.32	1.11	1.11	NO	444.4	26.1	1.50	
207	207 13C-PCB-189	106808.039	0.481	NO	1.09	5.878	53.03	53.06	1.14	1.14	NO	431.3	25.4	1.09	
208	208 13C-PCB-202	111291.215	0.947	NO	1.45	5.878	48.54	48.55	1.04	1.04	NO	337.8	19.9	0.401	
209	209 13C-PCB-194	115710.597	0.881	NO	0.714	5.878	54.70	54.70	1.00	1.00	NO	499.1	29.3	1.06	
210	210 13C-PCB-208	143336.503	0.776	NO	0.896	5.878	53.95	53.93	0.98	0.98	NO	492.3	28.9	0.696	
211	211 13C-PCB-206	85645.399	0.826	NO	0.653	5.878	56.21	56.23	1.02	1.02	NO	403.9	23.7	0.956	
212	212 13C-PCB-209	87438.363	1.177	NO	0.806	5.878	57.46	57.47	1.05	1.05	NO	334.1	19.6	0.430	
213	213 13C-PCB-15	1431901.6...	1.587	NO	1.00	5.878	25.49	25.50	1.00	0.00	NO	1701	100	0.379	
214	214 13C-PCB-31	1225613.6...	0.954	NO	1.00	5.878	28.64	28.64	1.00	0.00	NO	1701	100	3.54	
215	215 13C-PCB-60	924895.094	0.757	NO	1.00	5.878	36.66	36.65	1.00	0.00	NO	1701	100	0.959	
216	216 13C-PCB-111	675058.876	1.629	NO	1.00	5.878	39.22	39.22	1.00	0.00	NO	1701	100	0.663	
217	217 13C-PCB-128	496034.328	1.267	NO	1.00	5.878	46.58	46.58	1.00	0.00	NO	1701	100	1.63	
218	218 13C-PCB-182	386423.188	0.460	NO	1.00	5.878	46.41	46.39	0.00	0.00	NO	1701	100	1.19	
219	219 13C-PCB-205	552723.344	0.912	NO	1.00	5.878	54.98	54.97	1.00	0.00	NO	1701	100	0.759	
220	220 13C-PCB-79	965652.469	0.773	NO	1.03	5.878	37.75	37.75	1.03	1.03	NO	1721	101	0.929	
221	221 13C-PCB-178	360501.500	0.442	NO	0.875	5.878	45.84	45.84	0.99	0.99	NO	1414	83.1	1.11	
222	222 13C-PCB-79	965652.469	0.773	NO	1.05	5.878	37.75	37.75	0.97	0.97	NO	6574	386	3.59	
223	223 13C-PCB-178	360501.500	0.442	NO	0.975	5.878	45.86	45.84	0.92	0.92	NO	6470	380	5.15	
224	224 Total Mono-PCBs				1.01	5.878	0.00		0.00		NO	3.612		2.00	12.22
225	225 Total Di-PCBs				1.06	5.878	0.00		0.00		NO	12.31		11.0	40.45
226	226 2nd Function Tri-PCBs				0.914	5.878	0.00		0.00		NO	57.31	190.61 ✓	5.48	78.24
227	227 3rd Function Tri-PCBs				1.06	5.878	0.00		0.00		NO	133.3	245.24 ✓	14.0	167.0
228	228 Total Tetra-PCBs				0.986	5.878	0.00		0.00		NO	661.4		29.4	697.1
229	229 3rd Function Penta-PCBs				1.12	5.878	0.00		0.00		NO	708.6	750.44 ✓	45.0	755.4
230	230 4th Function Penta-PCBs				1.11	5.878	0.00		0.00		NO	41.84		6.27	41.84
231	231 3rd Function Hexa-PCBs				0.774	5.878	0.00		0.00		NO	210.3	596 ✓	19.2	218.6
232	232 4th Function Hexa-PCBs				0.972	5.878	0.00		0.00		NO	385.7		23.7	452.9
233	233 Total Hepta-PCBs				1.26	5.878	0.00		0.00		NO	278.2		37.0	353.8
234	234 4th Function Octa-PCBs				0.886	5.878	0.00		0.00		NO	23.03	40.26 ✓	14.3	43.75
235	235 5th Function Octa-PCBs				1.20	5.878	0.00		0.00		NO	17.23		3.24	24.89

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-12.qld

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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.945	5.878	0.00		0.00		NO	5.975		3.91	17.69
237	237 Deca-CB				0.943	5.878	0.00		0.00		NO	0.0000		2.02	10.60

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

Total Mono-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
3	PCB-3	5.56e2	2.60e5	2.872	NO	18.15	18.17	3.612	3.612
2	PCB-2	8.06e2	2.60e5	2.484	YES	17.93	17.93	0.0000	4.919
1	PCB-1	6.28e2	2.42e5	3.849	YES	15.51	15.51	0.0000	3.685

Total Di-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
11	PCB-15	2.51e3	3.38e5	1.516	NO	25.53	25.52	12.31	12.31
9	PCB-11	3.46e3	3.38e5	1.291	YES	24.80	24.80	0.0000	14.68
7	PCB-5/8	2.82e3	3.09e5	1.147	YES	22.44	22.43	0.0000	13.46

2nd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
16	PCB-24/27	4.47e2	2.46e5	0.936	NO	26.22	26.19	3.387	3.387
15	PCB-17	1.41e3	2.46e5	1.347	YES	25.61	25.61	0.0000	12.76
14	PCB-18	3.16e3	2.46e5	0.942	NO	25.45	25.44	31.60	31.60
12	PCB-19	8.11e2	1.58e5	0.806	YES	23.77	23.76	0.0000	8.164
17	PCB-16/32	2.55e3	2.46e5	1.122	NO	26.75	26.75	22.33	22.33

3rd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
26	PCB-22	2.86e3	2.68e5	1.295	YES	29.86	29.86	0.0000	15.62
25	PCB-20/21/33	4.04e3	2.68e5	1.046	NO	29.39	29.42	25.54	25.54
24	PCB-28	8.89e3	2.68e5	1.037	NO	28.76	28.76	50.98	50.98
23	PCB-31	8.18e3	2.68e5	1.009	NO	28.68	28.65	46.20	46.20
22	PCB-25	8.54e2	2.68e5	0.852	YES	28.31	28.30	0.0000	5.002
21	PCB-26	1.67e3	2.68e5	1.051	NO	28.14	28.13	10.56	10.56
31	PCB-37	2.96e3	3.13e5	1.260	YES	32.76	32.75	0.0000	13.13

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Total Tetra-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc	EMPC
1	49 PCB-40	1.03e3	1.94e5	0.919	YES	33.93	33.92	0.0000	14.48
2	48 PCB-68	2.48e2	1.94e5	0.993	YES	33.70	33.72	0.0000	1.738
3	47 PCB-41/64/71/72	8.81e3	1.94e5	0.742	NO	33.44	33.44	71.24	71.24
4	46 PCB-42/59	2.70e3	1.94e5	0.737	NO	32.82	32.84	24.58	24.58
5	45 PCB-44	6.22e3	1.94e5	0.781	NO	32.61	32.60	71.55	71.55
6	42 PCB-48/75	1.77e3	1.94e5	0.841	NO	31.89	31.89	15.14	15.14
7	41 PCB-47	3.16e3	1.94e5	0.837	NO	31.78	31.78	31.86	31.86
8	40 PCB-43/49	6.41e3	1.86e5	0.798	NO	31.56	31.58	62.19	62.19
9	38 PCB-52/69	1.08e4	1.86e5	0.786	NO	31.28	31.26	90.39	90.39
10	37 PCB-46	3.77e2	1.86e5	0.688	NO	30.77	30.77	4.569	4.569
11	36 PCB-45	1.08e3	1.86e5	0.707	NO	30.27	30.27	12.15	12.15
12	35 PCB-51	7.36e2	1.86e5	0.623	YES	29.82	29.83	0.0000	5.789
13	34 PCB-53	1.47e3	1.86e5	0.753	NO	29.47	29.47	14.09	14.09
14	63 PCB-77	1.36e3	2.30e5	0.613	YES	39.65	39.65	0.0000	8.521
15	60 PCB-79	3.24e2	2.45e5	0.902	YES	37.78	37.79	0.0000	2.009
16	59 PCB-56/60	7.46e3	2.45e5	0.750	NO	36.66	36.67	55.52	55.52
17	56 PCB-76/66	1.07e4	2.32e5	0.750	NO	35.57	35.61	73.65	73.65
18	55 PCB-61/70	1.27e4	2.32e5	0.738	NO	35.41	35.41	94.19	94.19
19	54 PCB-74	5.46e3	2.32e5	0.679	NO	35.19	35.19	37.56	37.56
20	53 PCB-63	4.97e2	2.32e5	0.575	YES	34.90	34.87	0.0000	3.176
21	51 PCB-67	3.62e2	2.32e5	0.704	NO	34.62	34.63	2.676	2.676

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3rd Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
79	PCB-108/112	6.40e2	1.17e5	1.701	NO	38.43	38.44	7.472	7.472
78	PCB-119	6.36e2	1.17e5	1.460	NO	38.27	38.27	6.305	6.305
77	PCB-99	5.10e3	1.37e5	1.620	NO	37.80	37.79	56.77	56.77
75	PCB-90/101	1.09e4	1.37e5	1.495	NO	37.46	37.46	143.4	143.4
73	PCB-84/92	4.32e3	1.37e5	1.434	NO	37.07	37.06	61.20	61.20
71	PCB-88/91	1.58e3	1.36e5	1.108	YES	36.12	36.12	0.0000	19.13
69	PCB-95/98/102	7.34e3	1.36e5	1.569	NO	35.64	35.71	90.16	90.16
92	PCB-106/118	1.13e4	1.74e5	1.417	NO	41.64	41.62	102.6	102.6
90	PCB-107/109	1.03e3	1.68e5	1.569	NO	41.27	41.29	8.950	8.950
89	PCB-124	6.00e2	1.68e5	2.021	YES	41.13	41.12	0.0000	4.432
88	PCB-82	1.06e3	1.68e5	1.393	NO	40.39	40.40	15.93	15.93
87	PCB-110	1.35e4	1.17e5	1.516	NO	39.77	39.76	132.2	132.2
85	PCB-85/116	1.92e3	1.17e5	1.033	YES	39.36	39.35	0.0000	19.21
84	PCB-111/115	2.07e2	1.17e5	0.966	YES	39.24	39.22	0.0000	1.519
83	PCB-87/117/125	4.17e3	1.17e5	1.632	NO	39.07	39.09	45.63	45.63
81	PCB-97	2.80e3	1.17e5	1.430	NO	38.82	38.80	38.03	38.03
80	PCB-83	1.36e2	1.17e5	1.002	YES	38.60	38.55	0.0000	1.052
82	PCB-86	1.26e2	1.17e5	2.158	YES	38.96	38.96	0.0000	1.497

4th Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
95	PCB-105	6.12e3	2.26e5	1.543	NO	43.19	43.19	41.84	41.84

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3rd Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
106	PCB-135	1.20e3	1.26e5	1.269	NO	41.05	41.08	22.72	22.72
105	PCB-151	2.07e3	1.26e5	1.306	NO	40.83	40.84	44.21	44.21
104	PCB-154	2.25e2	1.26e5	1.218	NO	40.16	40.19	4.197	4.197
102	PCB-136	1.35e3	1.26e5	1.083	NO	39.56	39.56	21.70	21.70
109	PCB-139/149	6.42e3	1.26e5	1.317	NO	41.57	41.59	117.5	117.5
108	PCB-147	1.95e2	1.26e5	0.862	YES	41.28	41.35	0.0000	3.327
107	PCB-144	3.60e2	1.26e5	2.288	YES	41.16	41.18	0.0000	4.973

4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
122	PCB-158/160	1.76e3	1.53e5	1.265	NO	45.25	45.24	16.61	16.61
121	PCB-138/163/164	1.53e4	1.53e5	1.282	NO	45.01	45.01	138.3	138.3
120	PCB-130	8.60e2	1.49e5	1.060	NO	44.61	44.63	11.68	11.68
119	PCB-137	6.20e2	1.49e5	1.245	NO	44.50	44.52	7.163	7.163
118	PCB-141	2.44e3	1.49e5	1.253	NO	44.12	44.14	28.73	28.73
116	PCB-153	1.45e4	1.80e5	1.148	NO	43.36	43.36	136.2	136.2
115	PCB-132/161	3.81e3	1.80e5	1.037	YES	43.18	43.23	0.0000	34.04
114	PCB-146/165	2.45e3	1.80e5	1.214	NO	42.94	42.94	24.14	24.14
112	PCB-131/133	4.93e2	1.80e5	1.072	NO	42.54	42.55	5.905	5.905
111	PCB-134/143	5.39e2	1.80e5	1.603	YES	42.25	42.26	0.0000	5.991
129	PCB-157	4.31e2	1.81e5	1.394	NO	48.65	48.63	4.132	4.132
128	PCB-156	1.41e3	1.77e5	1.153	NO	48.34	48.36	12.83	12.83
127	PCB-167	6.03e2	1.79e5	0.892	YES	47.02	47.02	0.0000	4.676
126	PCB-128/162	1.85e3	1.96e5	1.014	YES	46.60	46.60	0.0000	17.23
123	PCB-129	4.53e2	1.53e5	0.928	YES	45.50	45.52	0.0000	5.345

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Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	143 PCB-177	1.88e3	9.72e4	1.047	NO	48.06	48.06	26.54	26.54
2	141 PCB-174	3.06e3	9.72e4	1.221	YES	47.78	47.78	0.0000	40.54
3	140 PCB-185	3.72e2	9.72e4	1.155	NO	47.41	47.42	4.938	4.938
4	139 PCB-183	2.07e3	1.44e5	1.220	YES	46.73	46.73	0.0000	23.57
5	138 PCB-182/187	4.28e3	1.44e5	1.021	NO	46.40	46.39	52.59	52.59
6	137 PCB-175	2.42e2	1.44e5	0.988	NO	46.20	46.22	3.361	3.361
7	136 PCB-178	7.59e2	1.44e5	1.057	NO	45.84	45.86	10.79	10.79
8	134 PCB-176	4.98e2	1.44e5	1.393	YES	44.72	44.72	0.0000	4.346
9	133 PCB-179	1.84e3	1.44e5	1.085	NO	44.25	44.25	18.45	18.45
10	152 PCB-190	8.89e2	8.03e4	0.958	NO	51.52	51.55	10.22	10.22
11	151 PCB-170	2.67e3	8.03e4	1.090	NO	51.34	51.34	41.52	41.52
12	149 PCB-193	5.38e2	9.72e4	0.923	NO	49.90	49.88	6.117	6.117
13	148 PCB-180	6.95e3	9.72e4	1.084	NO	49.67	49.69	92.07	92.07
14	146 PCB-172	6.19e2	9.72e4	0.795	YES	49.27	49.27	0.0000	7.166
15	144 PCB-171	8.20e2	9.72e4	1.021	NO	48.35	48.36	11.55	11.55

4th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	161 PCB-196/203	1.18e3	1.11e5	0.911	NO	52.48	52.49	23.03	23.03
2	160 PCB-199	1.17e3	1.11e5	0.627	YES	52.16	52.17	0.0000	20.72

5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	163 PCB-194	1.36e3	1.16e5	0.978	NO	54.72	54.72	17.23	17.23
2	162 PCB-195	6.32e2	1.16e5	1.219	YES	53.80	53.78	0.0000	7.653

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Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
167	PCB-206	6.72e2	8.56e4	0.984	YES	56.24	56.24	0.0000	11.72
166	PCB-207	2.10e2	1.43e5	1.167	NO	54.26	54.28	2.736	2.736
165	PCB-208	2.55e2	1.43e5	1.267	NO	53.95	53.94	3.239	3.239

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
168	PCB-209	6.55e2	8.74e4	1.769	YES	57.47	57.48	0.0000	10.60

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
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Total Mono-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
170	13C-PCB-3	2.60e5	1.43e6	3.462	NO	18.16	18.14	283.1	
169	13C-PCB-1	2.42e5	1.43e6	3.222	NO	15.51	15.50	266.6	

Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
213	13C-PCB-15	1.43e6	1.43e6	1.587	NO	25.49	25.50	1701	
173	13C-PCB-11	3.38e5	1.43e6	1.615	NO	24.79	24.78	413.3	
172	13C-PCB-9	3.09e5	1.43e6	1.591	NO	21.34	21.32	369.3	
171	13C-PCB-4	1.82e5	1.43e6	1.605	NO	19.52	19.50	338.5	

2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
175	13C-PCB-32	2.46e5	1.43e6	0.997	NO	26.74	26.73	320.6	
174	13C-PCB-19	1.58e5	1.43e6	0.988	NO	23.75	23.74	295.2	

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3rd Function Tri-Isotopes

#	Name	Area	IS Area	RA	YN	Pred RT	RT	Conc	EMPC
177	13C-PCB-37	3.13e5	1.23e6	1.007	NO	32.72	32.73	452.8	
176	13C-PCB-28	2.68e5	1.23e6	0.971	NO	28.74	28.75	348.2	
214	13C-PCB-31	1.23e6	1.23e6	0.954	NO	28.64	28.64	1701	

Tetra-Isotopes

#	Name	Area	IS Area	RA	YN	Pred RT	RT	Conc	EMPC
181	13C-PCB-70	2.32e5	9.25e5	0.761	NO	35.39	35.39	423.7	
180	13C-PCB-47	1.94e5	9.25e5	0.763	NO	31.77	31.76	400.3	
179	13C-PCB-52	1.86e5	9.25e5	0.758	NO	31.25	31.24	406.2	
178	13C-PCB-54	2.18e5	9.25e5	0.784	NO	27.59	27.57	365.2	
184	13C-PCB-77	2.30e5	9.25e5	0.754	NO	39.63	39.63	440.9	
183	13C-PCB-81	2.39e5	9.25e5	0.777	NO	39.02	39.02	446.4	
220	13C-PCB-79	9.66e5	9.25e5	0.773	NO	37.75	37.75	1721	
215	13C-PCB-60	9.25e5	9.25e5	0.757	NO	36.66	36.65	1701	
182	13C-PCB-80	2.45e5	9.25e5	0.745	NO	35.82	35.82	430.4	

3rd Function Penta-Isotopes

#	Name	Area	IS Area	RA	YN	Pred RT	RT	Conc	EMPC
185	13C-PCB-104	1.76e5	6.75e5	1.635	NO	32.43	32.41	405.1	
188	13C-PCB-97	1.17e5	6.75e5	1.728	NO	38.78	38.78	414.5	
187	13C-PCB-101	1.37e5	6.75e5	1.593	NO	37.43	37.44	423.4	
186	13C-PCB-95	1.36e5	6.75e5	1.609	NO	35.68	35.69	403.6	
190	13C-PCB-118	1.74e5	6.75e5	1.681	NO	41.60	41.60	450.8	
189	13C-PCB-123	1.68e5	6.75e5	1.636	NO	41.42	41.42	458.8	
216	13C-PCB-111	6.75e5	6.75e5	1.629	NO	39.22	39.22	1701	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-12.qld

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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

4th Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
193	13C-PCB-127	2.35e5	4.96e5	1.558	NO	43.52	43.53	496.7	
192	13C-PCB-105	2.26e5	4.96e5	1.527	NO	43.18	43.17	489.3	
191	13C-PCB-114	2.16e5	4.96e5	1.507	NO	42.29	42.28	486.6	
194	13C-PCB-126	2.15e5	4.96e5	1.522	NO	45.49	45.48	509.2	

4th Function Hexa-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
197	13C-PCB-141	1.49e5	4.96e5	1.219	NO	44.10	44.10	447.6	
196	13C-PCB-153	1.80e5	4.96e5	1.245	NO	43.35	43.34	432.5	
203	13C-PCB-169	1.69e5	4.96e5	1.274	NO	50.88	50.88	431.4	
202	13C-PCB-157	1.81e5	4.96e5	1.305	NO	48.61	48.61	442.4	
201	13C-PCB-156	1.77e5	4.96e5	1.239	NO	48.31	48.33	434.4	
200	13C-PCB-167	1.79e5	4.96e5	1.270	NO	47.01	47.00	431.9	
217	13C-PCB-128	4.96e5	4.96e5	1.267	NO	46.58	46.58	1701	
199	13C-PCB-159	1.96e5	4.96e5	1.245	NO	46.29	46.30	467.8	
198	13C-PCB-138	1.53e5	4.96e5	1.262	NO	44.98	44.97	445.1	

5th Function Octa-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
219	13C-PCB-205	5.53e5	5.53e5	0.912	NO	54.98	54.97	1701	
209	13C-PCB-194	1.16e5	5.53e5	0.881	NO	54.70	54.70	499.1	

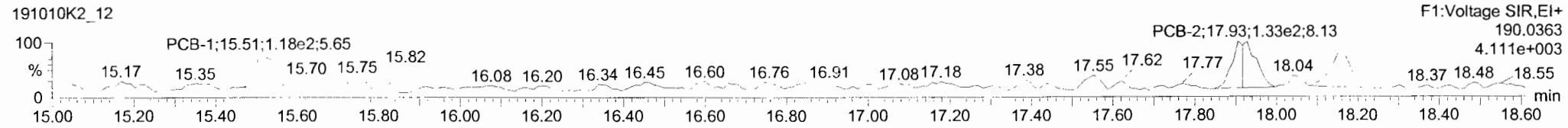
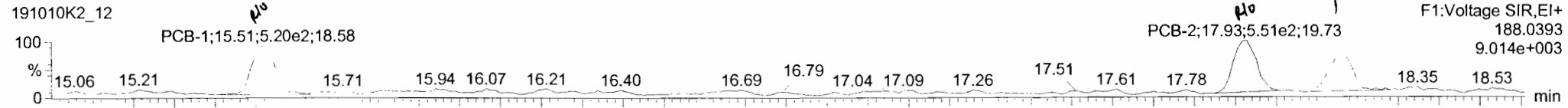
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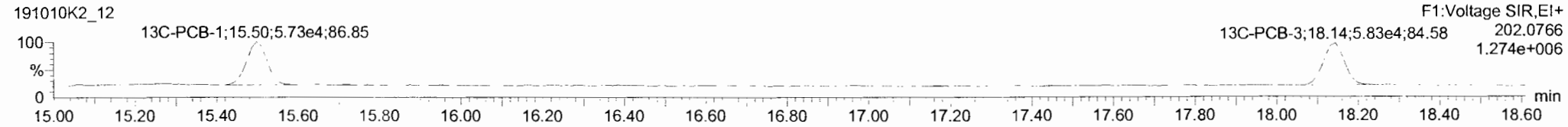
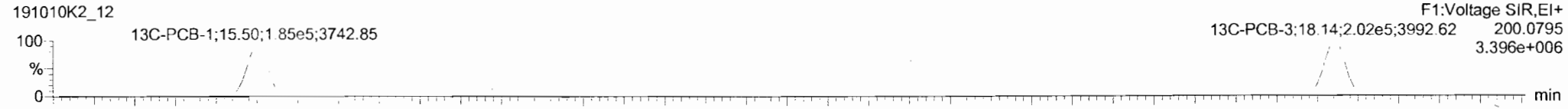
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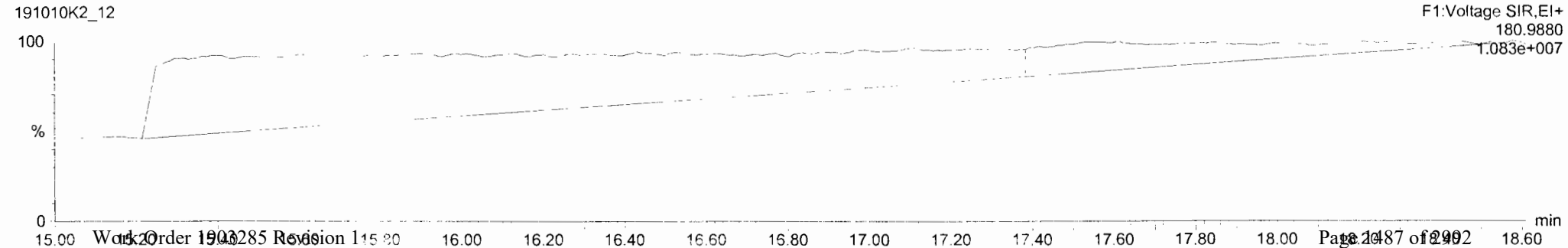
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13C-PCB-1



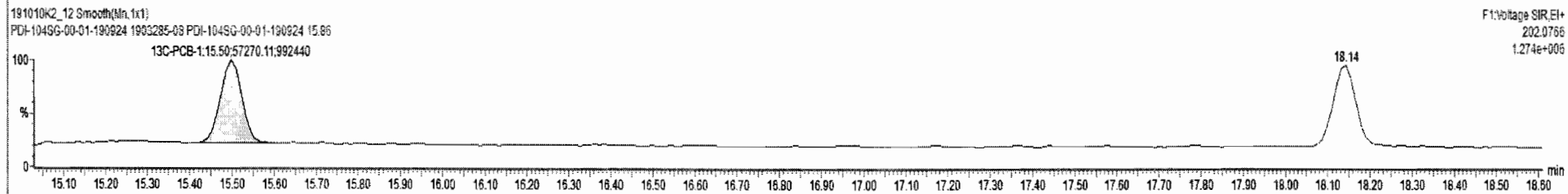
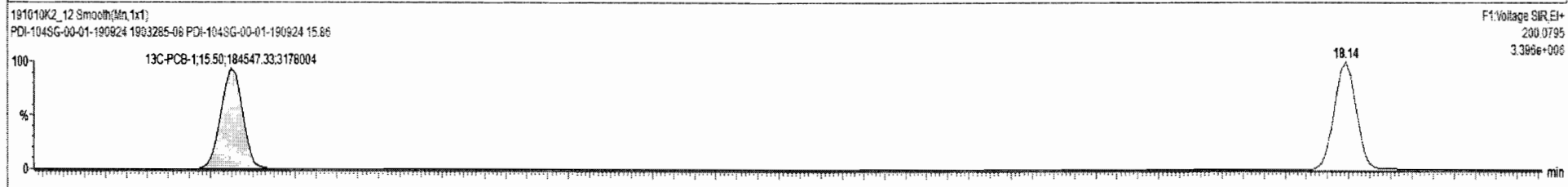
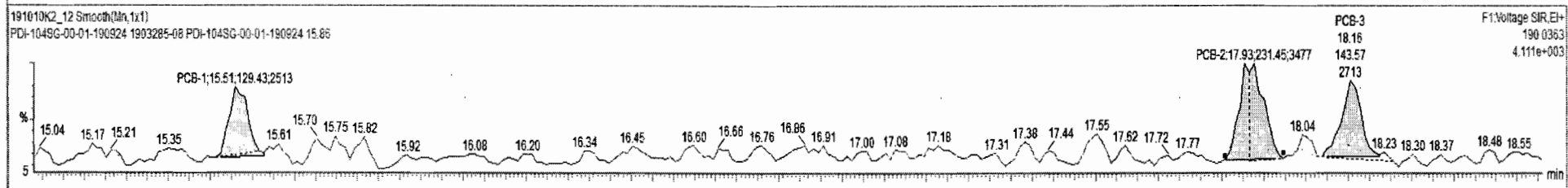
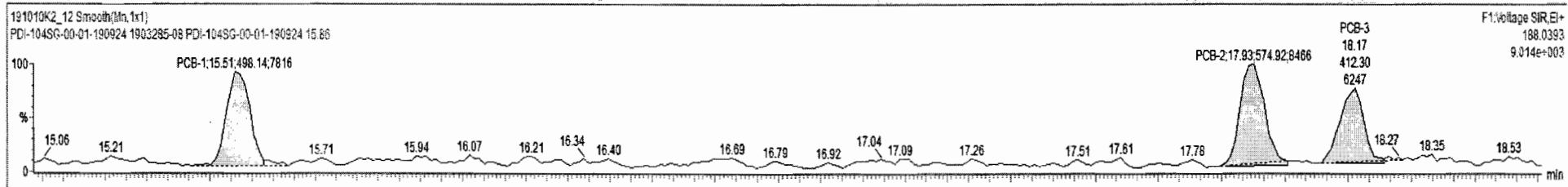
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191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fai	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.878	0.00		0.000		NO	3.612		2.00	12.22
225	225 Total Di-PCBs				1.0582	5.878	0.00		0.000		NO	15.72		11.0	40.18
226	226 2nd Function Tri-PCBs				0.9137	5.878	0.00		0.000		NO	47.58		5.48	71.70
227	227 3rd Function Tri-PCBs				1.0583	5.878	0.00		0.000		NO	147.1		14.0	189.5
228	228 Total Tetra-PCBs				0.9861	5.878	0.00		0.000		NO	671.7		29.4	699.0
229	229 3rd Function Penta-PCBs				1.1154	5.878	0.00		0.000		NO	702.0		45.0	747.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.51	15.51	4.981e2	1.294e2	3.130	3.85	YES	3.6847	0.00000
2	2 PCB-2	17.93	17.93	5.749e2	2.315e2	3.130	2.48	YES	4.9194	0.00000
3	3 PCB-3	18.15	18.17	4.123e2	1.436e2	3.130	2.87	NO	3.6121	3.6121



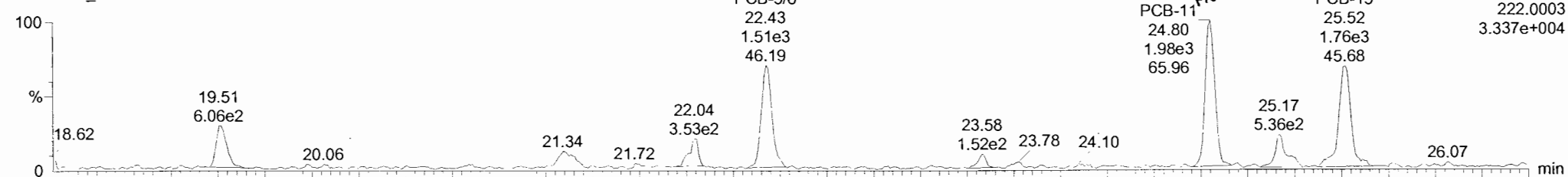
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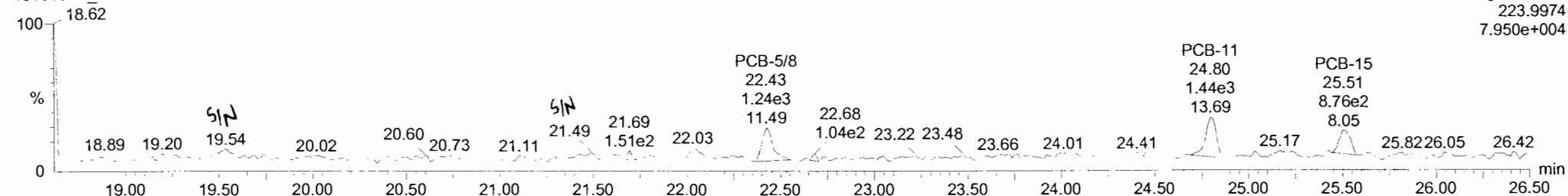
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191010K2_12



F2:Voltage SIR,EI+
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3.337e+004

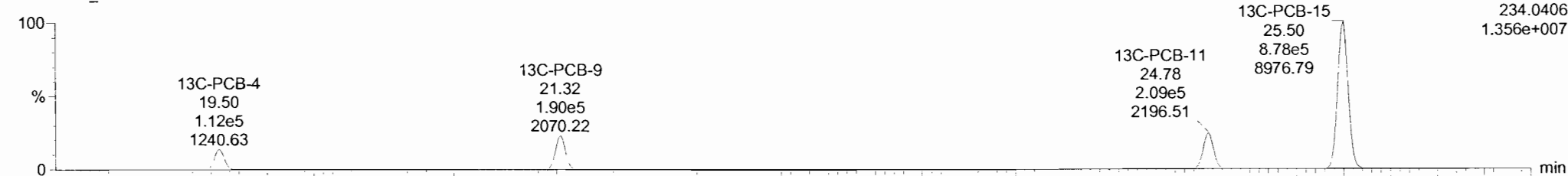
191010K2_12



F2:Voltage SIR,EI+
223.9974
7.950e+004

13C-PCB-4

191010K2_12



F2:Voltage SIR,EI+
234.0406
1.356e+007

191010K2_12

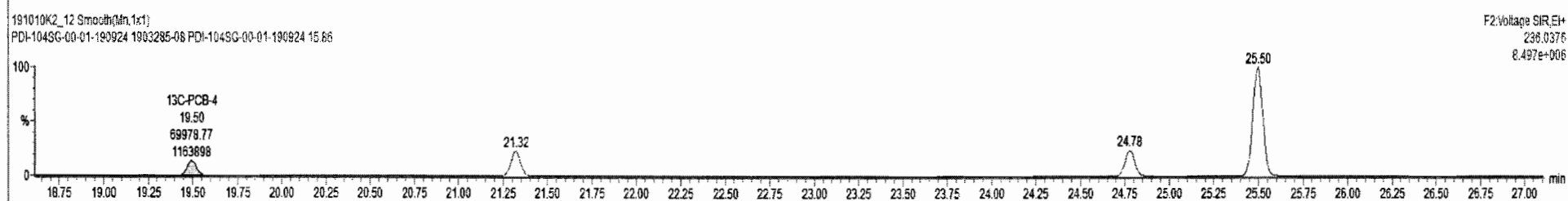
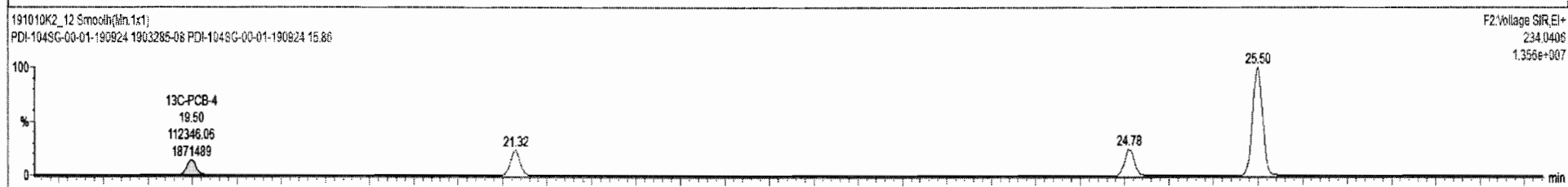
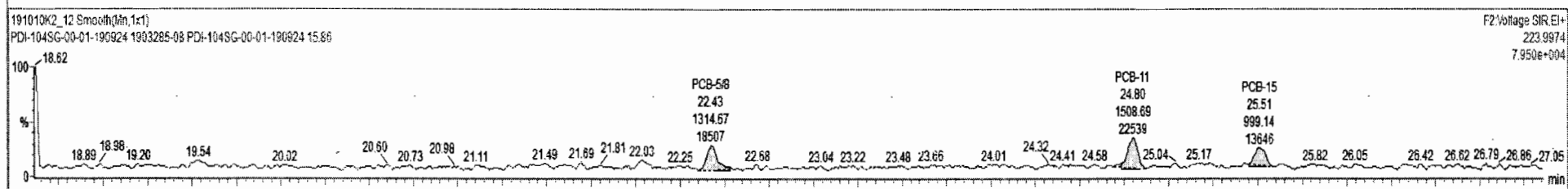
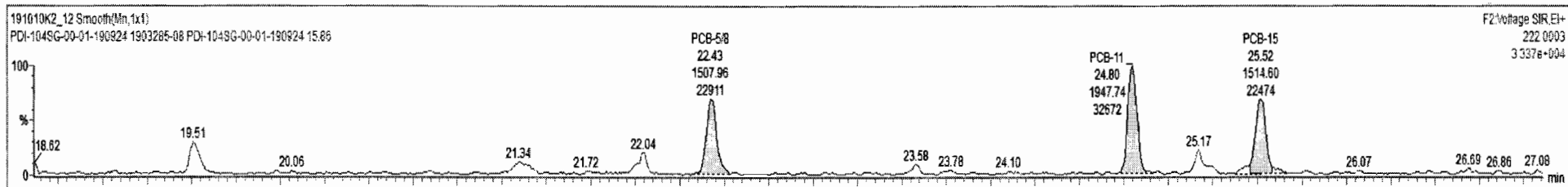


F2:Voltage SIR,EI+
236.0376
8.497e+006

191010K2_12_1903285-08 PDI-104SG-00-01-190924 15.86 PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.878	0.00		0.000		NO	3.612	2.90	12.22	
225	225 Total Di-PCBs				1.0592	5.878	0.00		0.000		NO	12.31	11.0	40.45	
226	226 2nd Function Tri-PCBs				0.9137	5.878	0.00		0.000		NO	47.56	5.48	71.70	
227	227 3rd Function Tri-PCBs				1.0563	5.878	0.00		0.000		NO	147.1	14.0	169.5	
228	228 Total Tetra-PCBs				0.9861	5.878	0.00		0.000		NO	671.7	29.4	699.0	
229	229 3rd Function Penta-PCBs				1.1154	5.878	0.00		0.000		NO	702.0	45.0	747.4	

#	Name	Pred RT	RT	m1 Reso	m2 Reso	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
7	PCB-5/8	22.44	22.43	1.508e3	1.315e3	1.560	1.15	YES	13.459	0.00000
9	PCB-11	24.80	24.80	1.943e3	1.509e3	1.560	1.29	YES	14.683	0.00000
11	PCB-15	25.53	25.52	1.515e3	9.991e2	1.580	1.52	NO	12.306	12.306

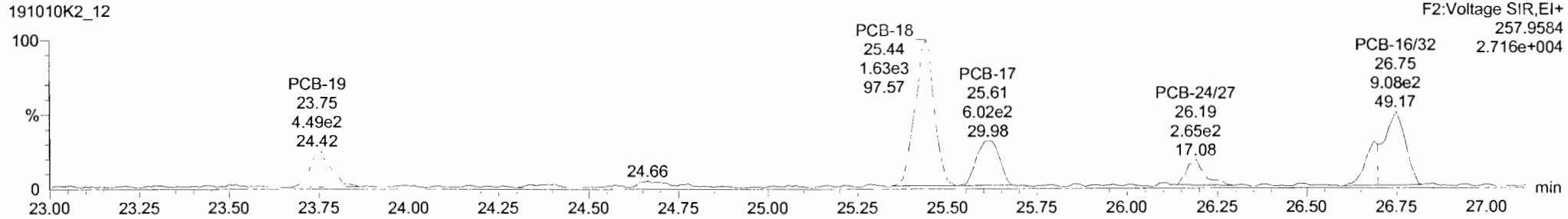
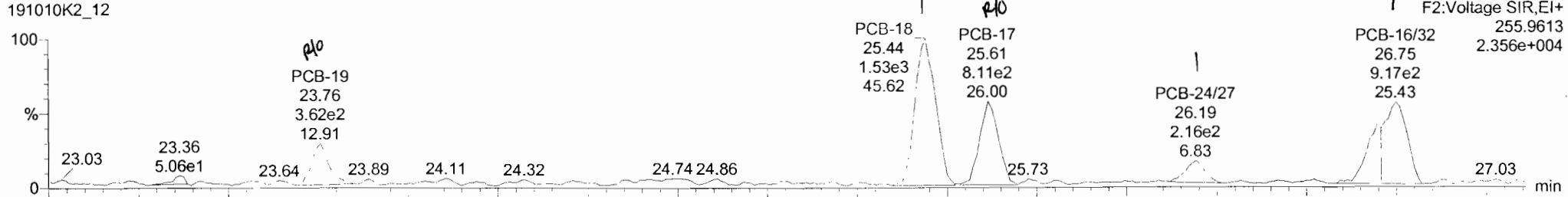


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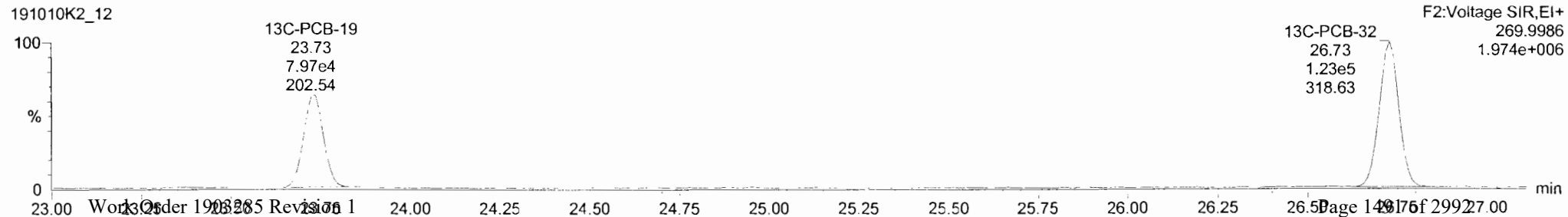
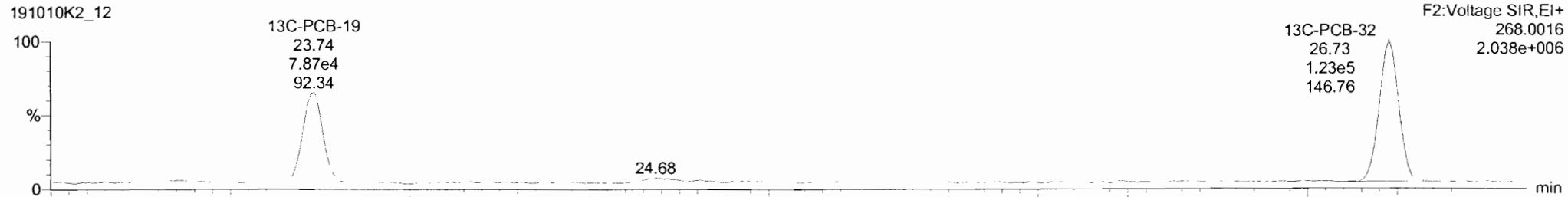
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PCB-19



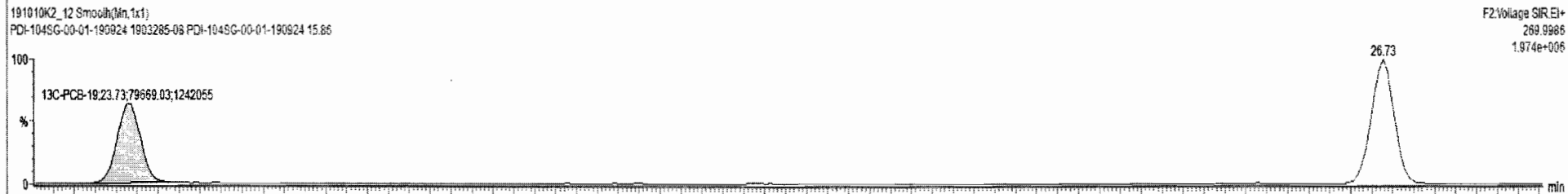
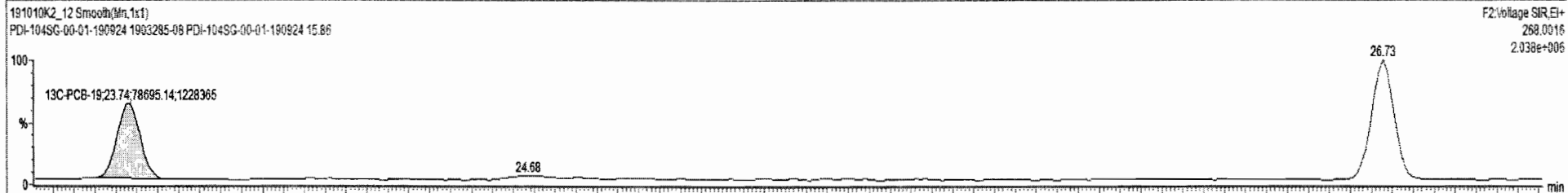
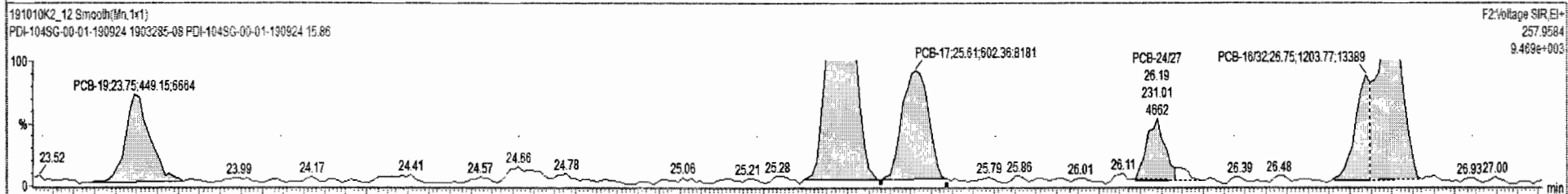
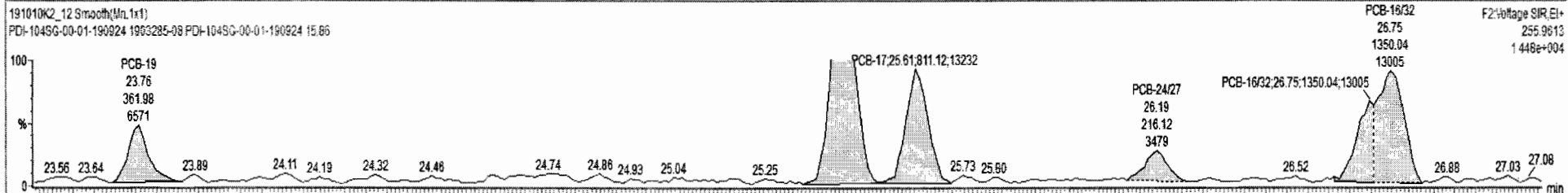
13C-PCB-19



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Z24 Total Mono-PCBs				1.0122	5.878	0.00		0.000		NO	3.612		2.00	12.22
292	Total No PCBs				1.0527	5.878	0.00		0.000		NO	15.91		11.0	10.24

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	12 PCB-19	23.77	23.76	3.620e2	4.491e2	1.040	0.81	YES	8.1645	0.00000
2	14 PCB-18	25.45	25.44	1.534e3	1.627e3	1.040	0.94	NO	31.597	31.597
3	15 PCB-17	25.61	25.61	8.111e2	6.024e2	1.040	1.35	YES	12.765	0.00000
4	16 PCB-24/27	26.22	26.19	2.161e2	2.319e2	1.040	0.94	NO	3.3867	3.3867
5	17 PCB-16/32	26.75	26.75	1.359e3	1.204e3	1.040	1.12	NO	22.328	22.328

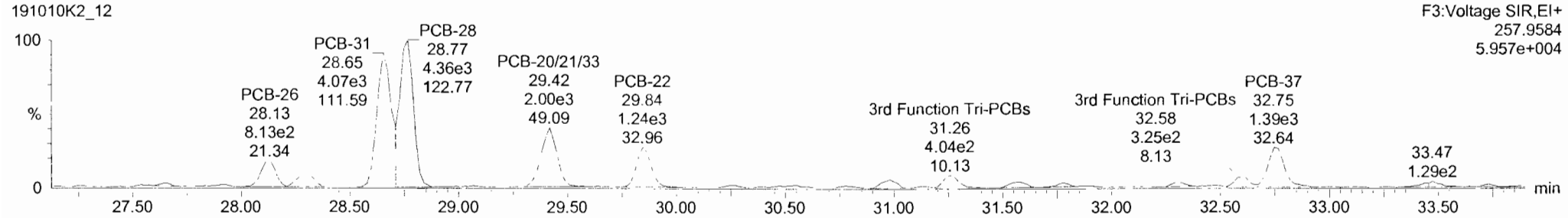
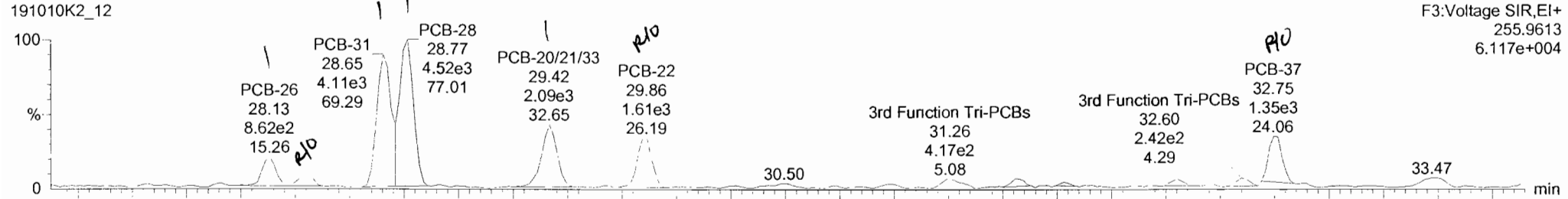


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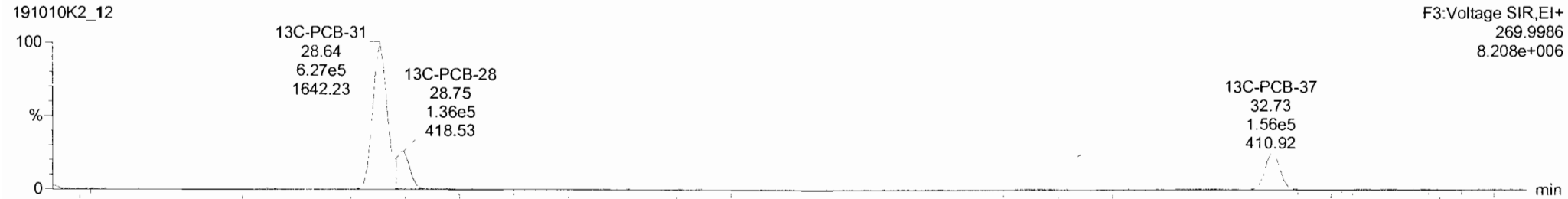
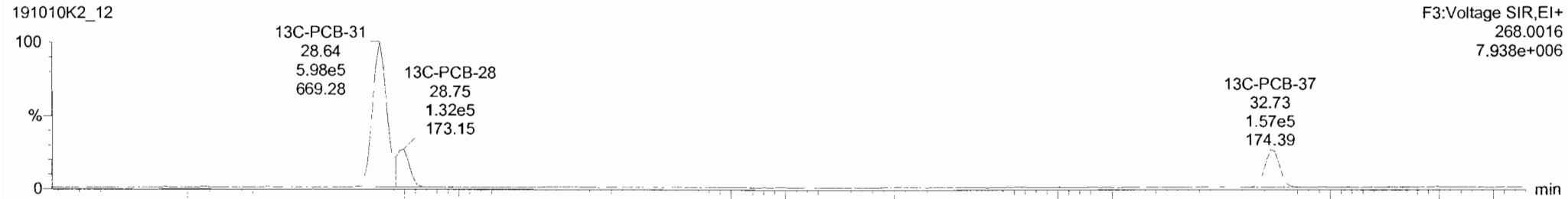
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PCB-34

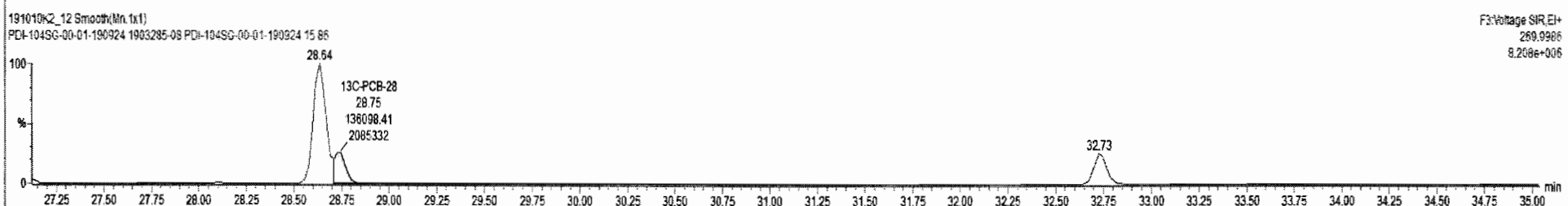
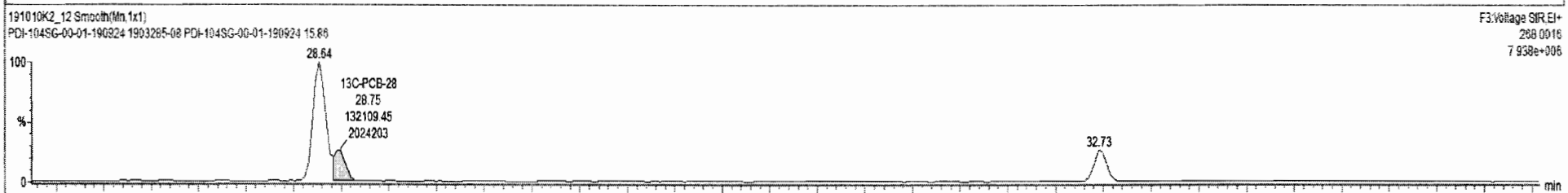
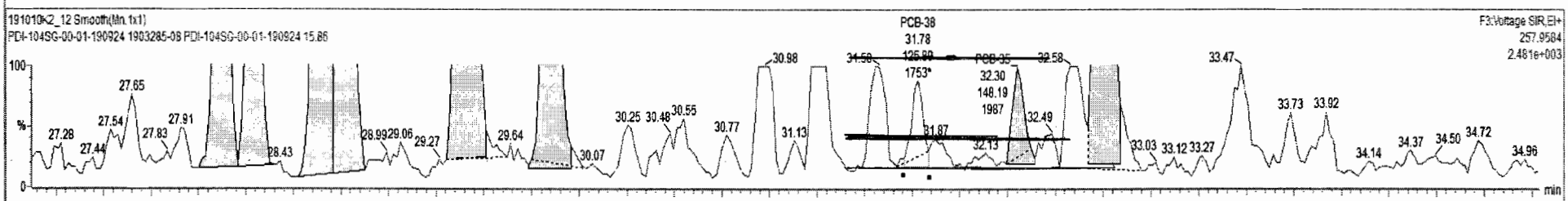
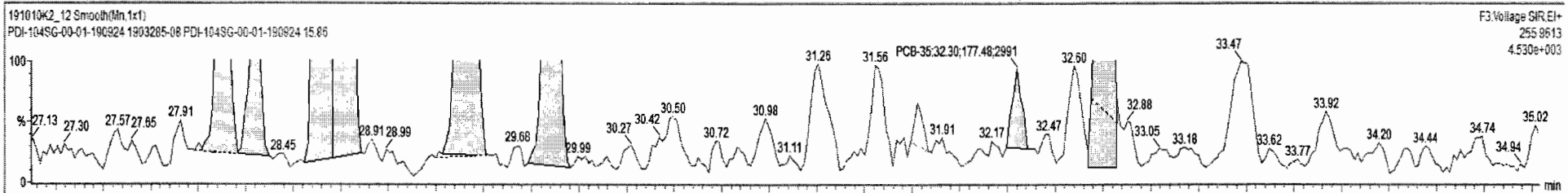


13C-PCB-28



#	Name	Resp	RA	inY	RF	wVol	Pred.RT	RT	Fred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.878	0.00		0.000		NO	133.3		14.0	169.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	inY	EMPC	Conc.
1	21 PCB-26	28.14	28.13	8.542e2	8.129e2	1.040	1.05	NO	10.563	10.563
2	22 PCB-25	28.31	28.30	3.932e2	4.613e2	1.040	0.85	YES	5.0020	0.00000
3	23 PCB-31	28.68	28.65	4.110e3	4.072e3	1.040	1.01	NO	46.201	46.201
4	24 PCB-28	28.76	28.76	4.524e3	4.363e3	1.040	1.04	NO	50.976	50.976
5	25 PCB-20/21/33	29.39	29.42	2.066e3	1.975e3	1.040	1.05	NO	25.542	25.542



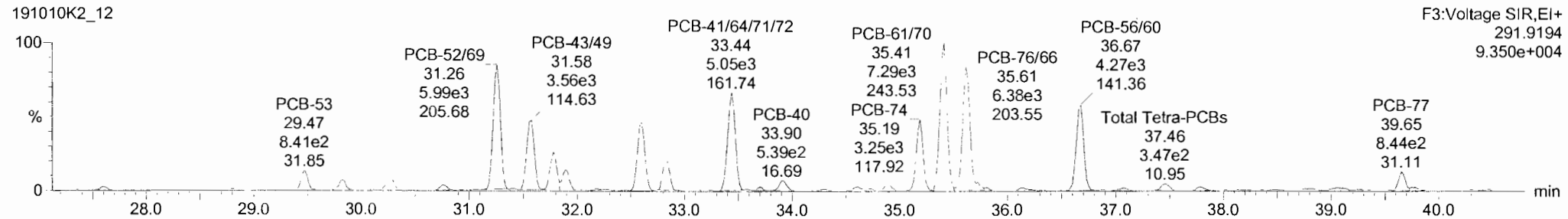
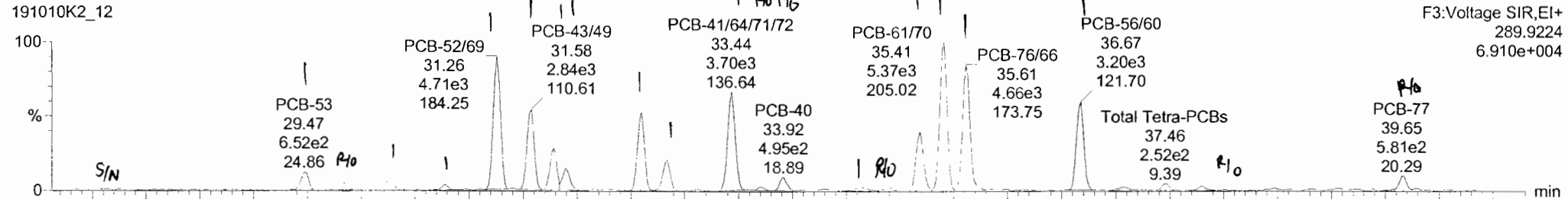
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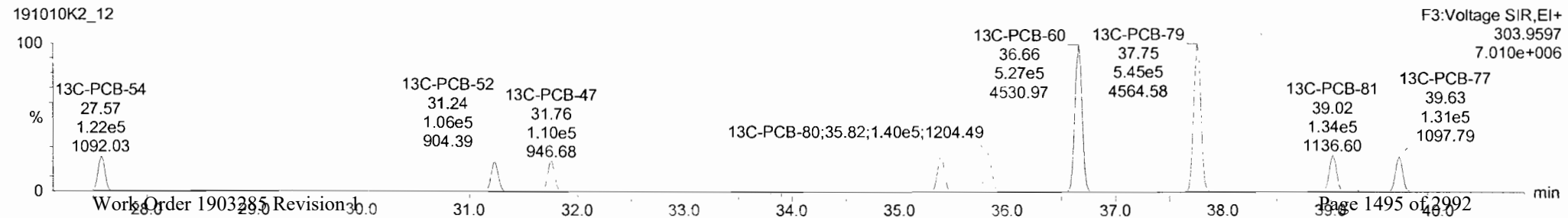
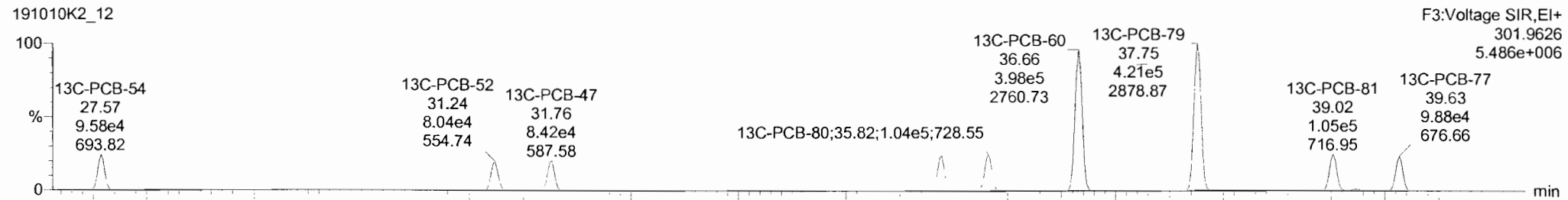
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PCB-54



13C-PCB-54



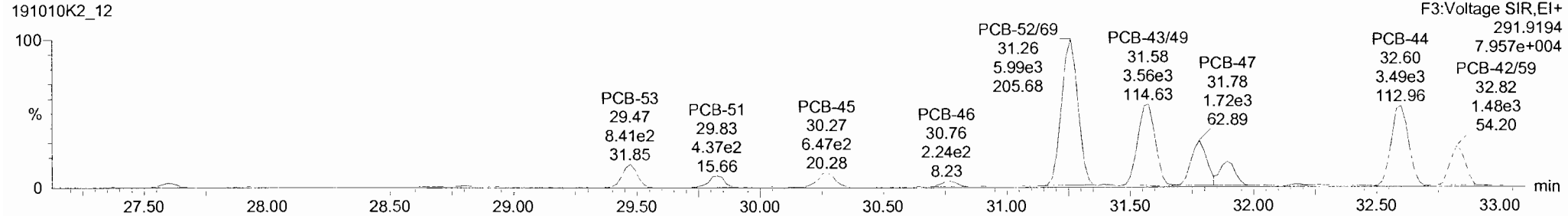
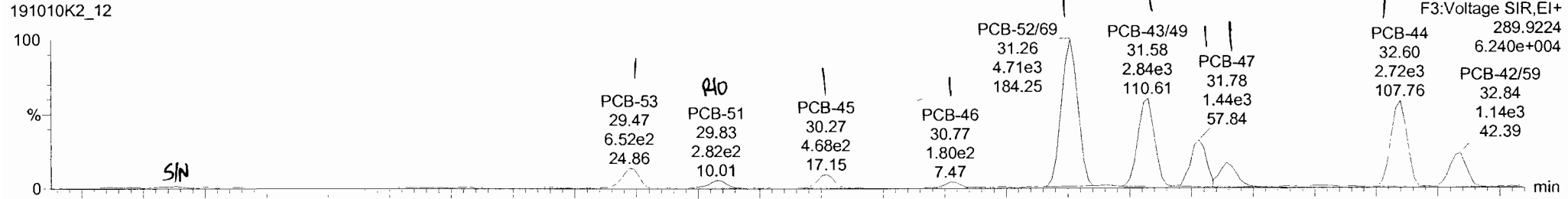
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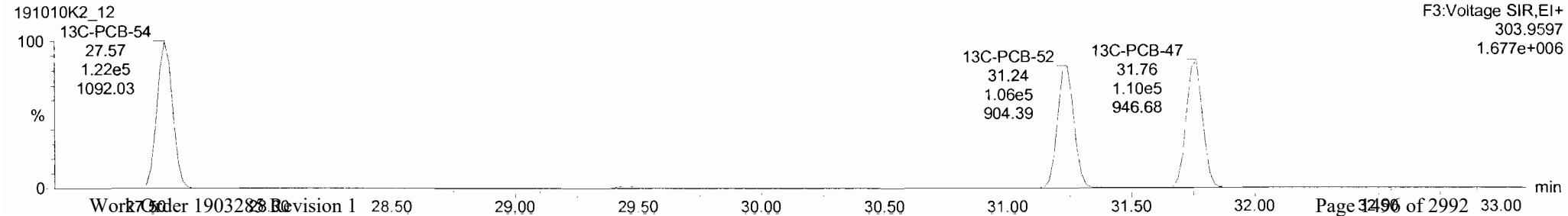
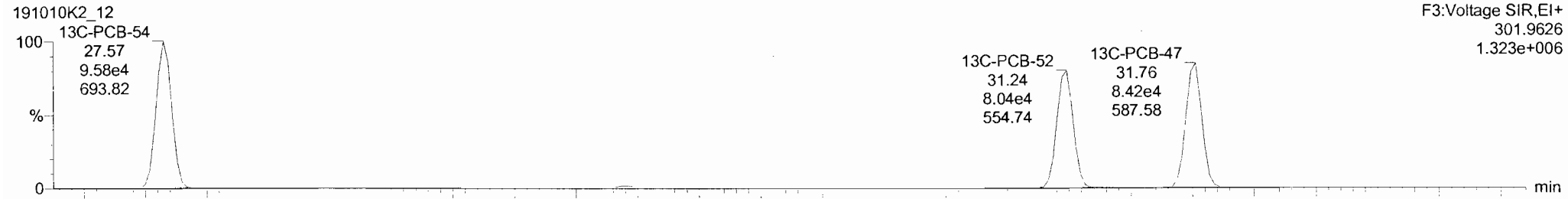
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PCB-50



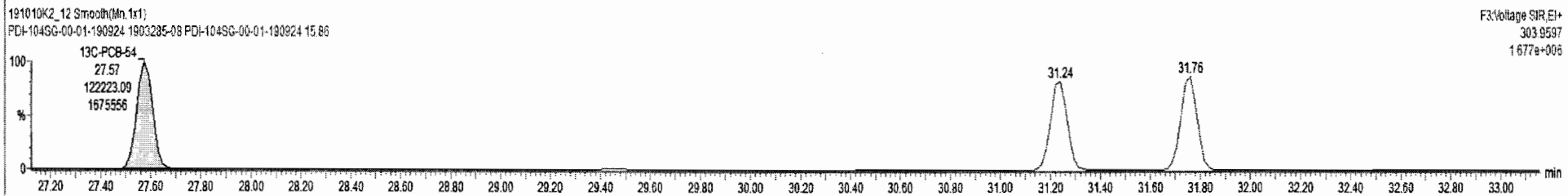
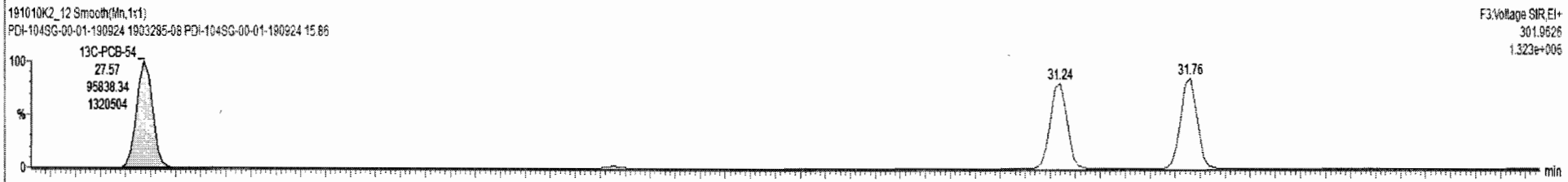
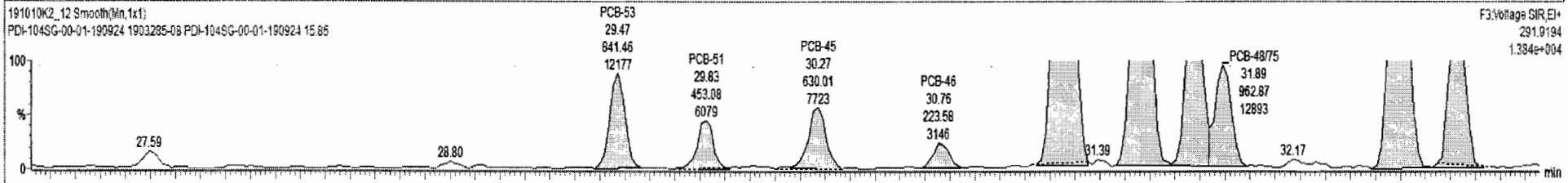
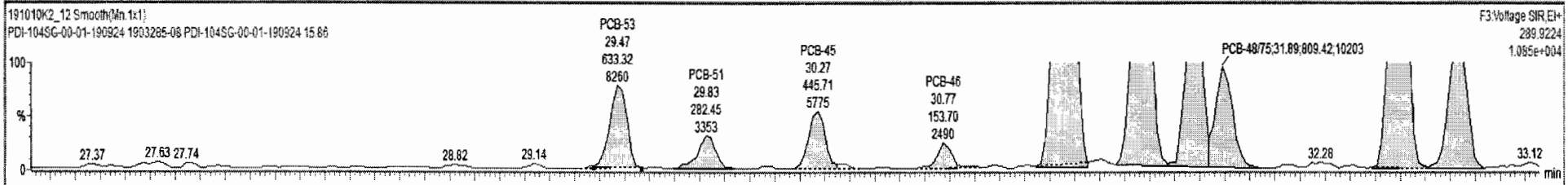
13C-PCB-52



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0583	5.876	0.00		0.000		NO	133.3		14.0	167.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	n/y	EMPC	Conc.
1	34 PCB-53	29.47	29.47	6.333e2	6.415e2	0.770	0.75	NO	14.093	14.993
2	35 PCB-51	29.82	29.83	2.824e2	4.531e2	0.770	0.62	YES	5.7982	0.00000
3	36 PCB-45	30.27	30.27	4.457e2	6.300e2	0.770	0.71	NO	12.151	12.151
4	37 PCB-46	30.77	30.77	1.537e2	2.238e2	0.770	0.69	NO	4.5695	4.5695
5	38 PCB-52/69	31.28	31.28	4.758e3	6.059e3	0.770	0.79	NO	90.394	90.394
6	40 PCB-43/49	31.56	31.58	2.843e3	3.563e3	0.770	0.80	NO	62.194	62.194
7	41 PCB-47	31.78	31.78	1.441e3	1.722e3	0.770	0.84	NO	31.861	31.861
8	42 PCB-48/75	31.89	31.89	8.094e2	9.629e2	0.770	0.84	NO	15.140	15.140
9	45 PCB-44	32.81	32.60	2.729e3	3.493e3	0.770	0.78	NO	71.553	71.553



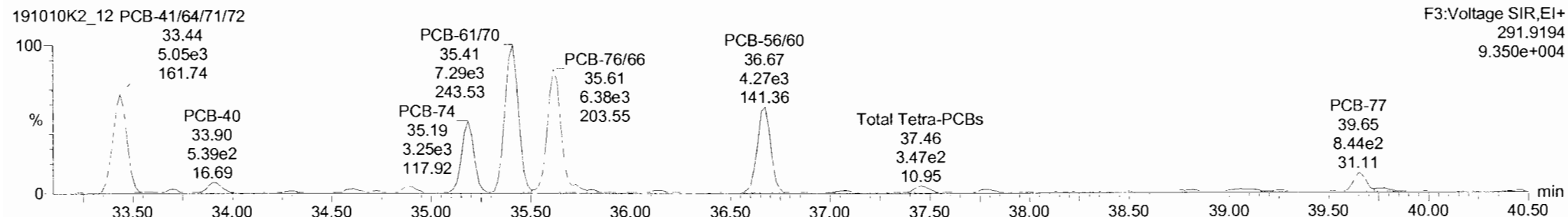
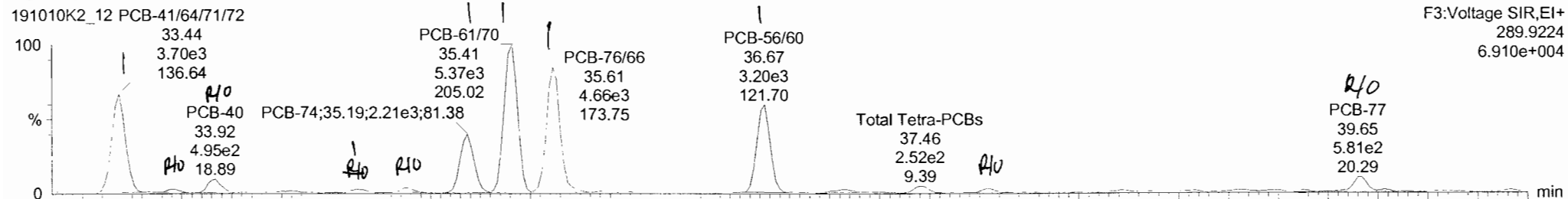
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Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time

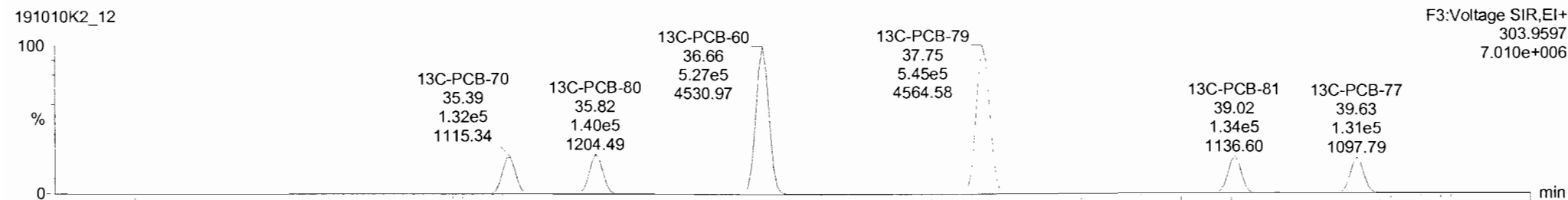
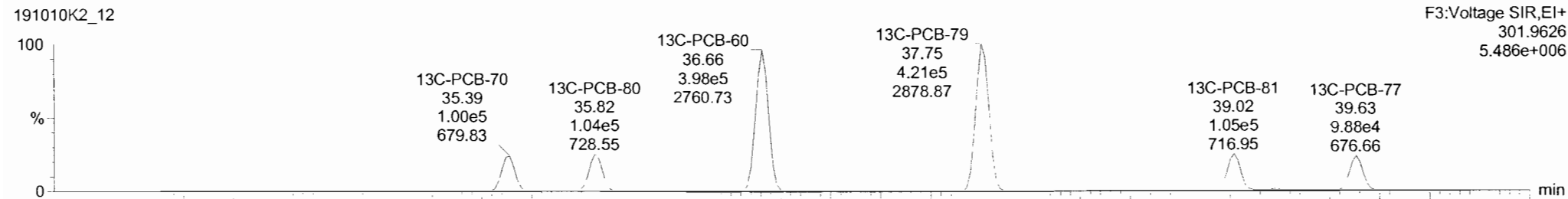
Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

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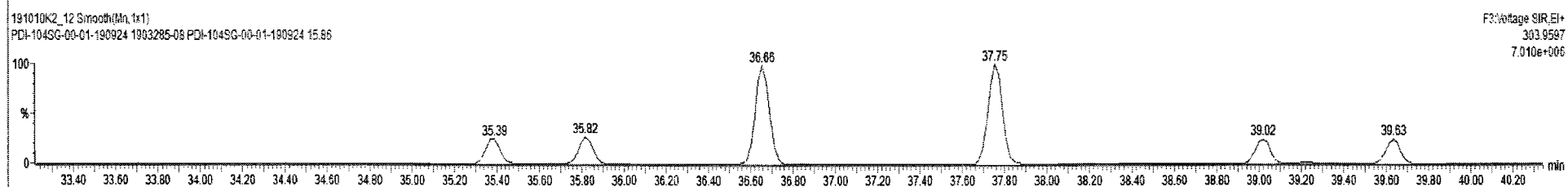
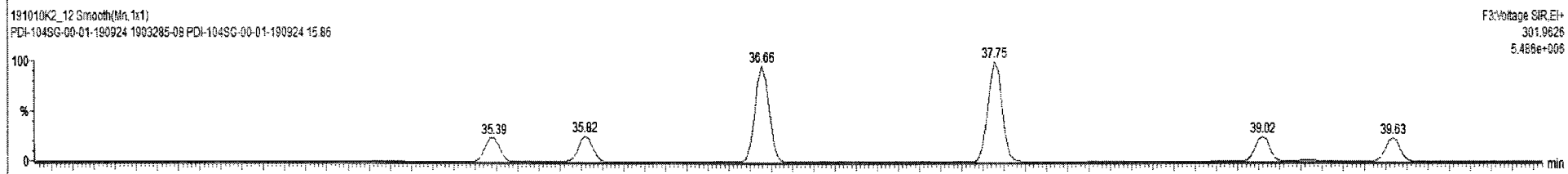
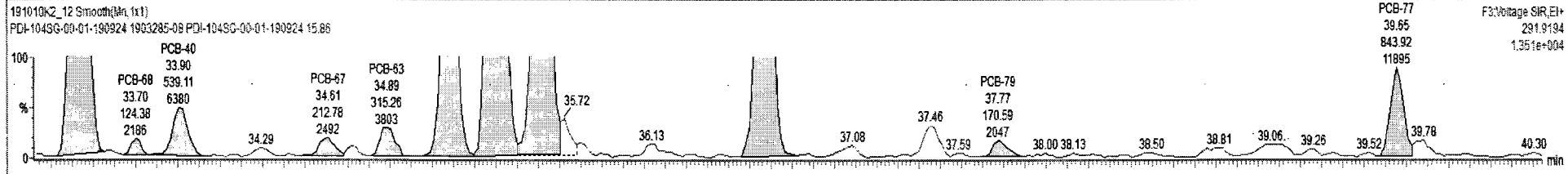
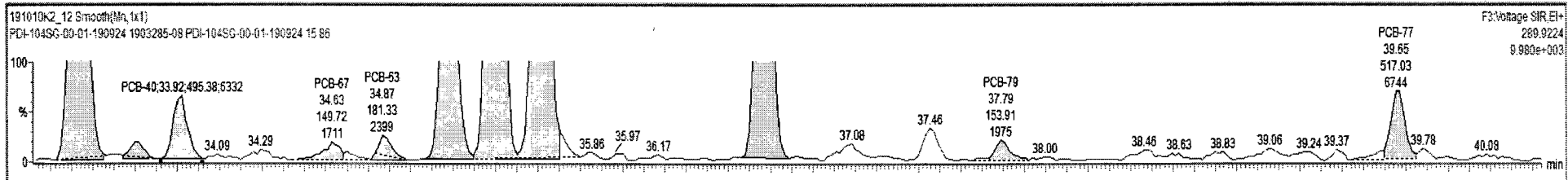


13C-PCB-60



#	Name	Resp	RA	n/y	RRF	wtVal	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0563	5.878	0.00		0.000		NO	133.3		14.0	167.0

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	34 PCB-53	29.47	29.47	6.333e2	8.415e2	0.770	0.75	NO	14.093	14.093
2	35 PCB-51	29.82	29.83	2.824e2	4.531e2	0.770	0.62	YES	5.7892	0.00000
3	36 PCB-45	30.27	30.27	4.457e2	6.300e2	0.770	0.71	NO	12.151	12.151
4	37 PCB-46	30.77	30.77	1.537e2	2.236e2	0.770	0.69	NO	4.5895	4.5895
5	38 PCB-52/69	31.28	31.28	4.758e3	6.056e3	0.770	0.79	NO	90.394	90.394
6	40 PCB-43/49	31.56	31.58	2.843e3	3.583e3	0.770	0.80	NO	62.194	62.194
7	41 PCB-47	31.78	31.78	1.441e3	1.722e3	0.770	0.84	NO	31.861	31.861
8	42 PCB-48/75	31.89	31.89	8.094e2	9.629e2	0.770	0.84	NO	15.140	15.140
9	45 PCB-44	32.61	32.60	2.729e3	3.493e3	0.770	0.76	NO	71.553	71.553
10	46 PCB-42/59	32.82	32.84	1.144e3	1.553e3	0.770	0.74	NO	24.578	24.578

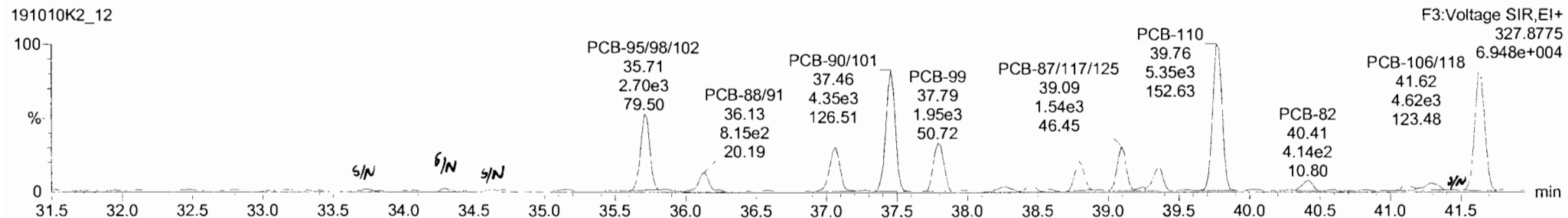
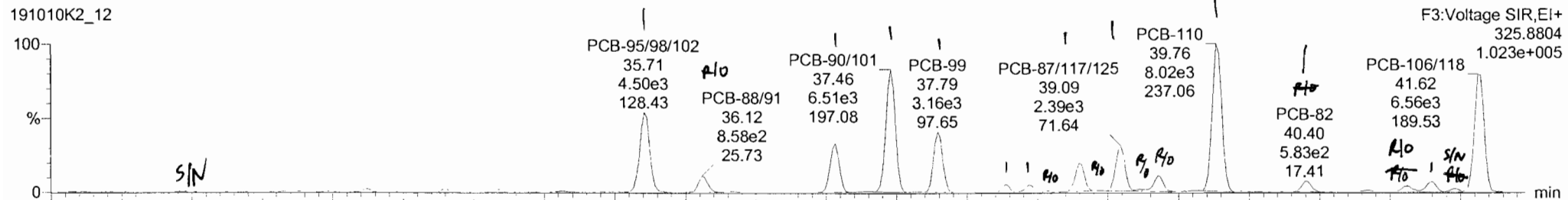


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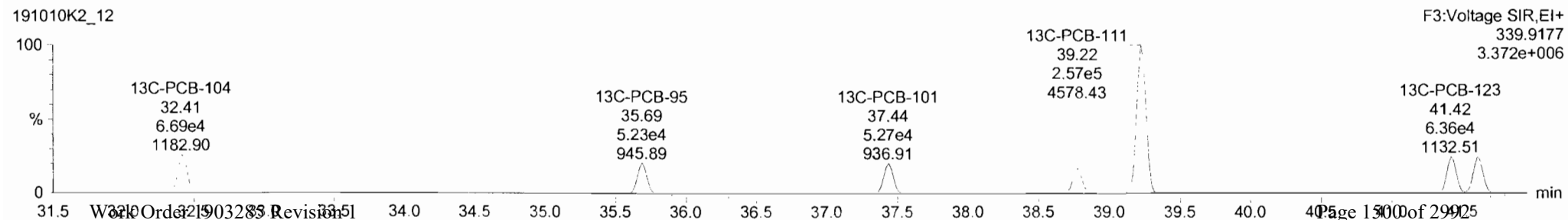
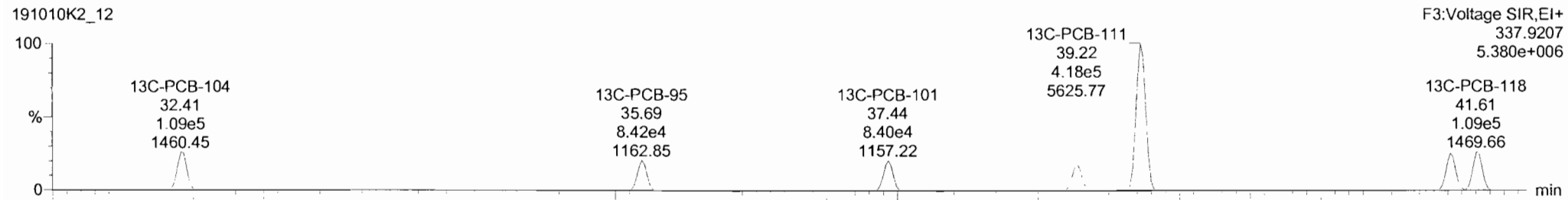
Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time
 Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

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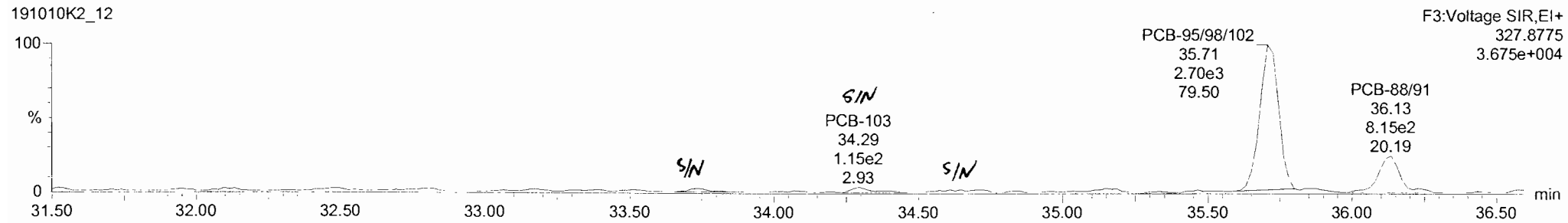
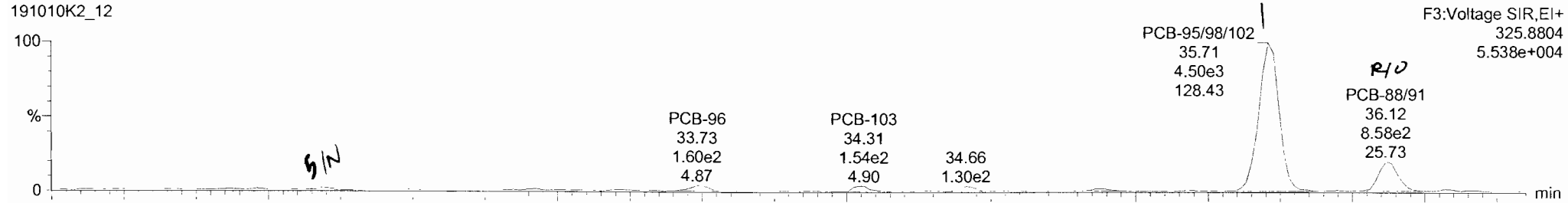
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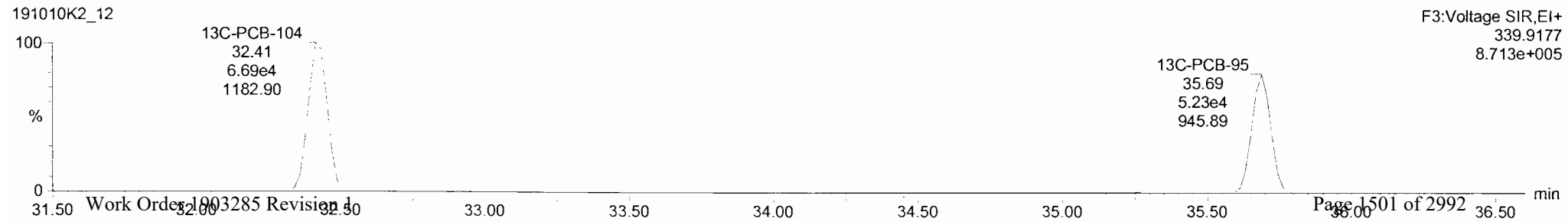
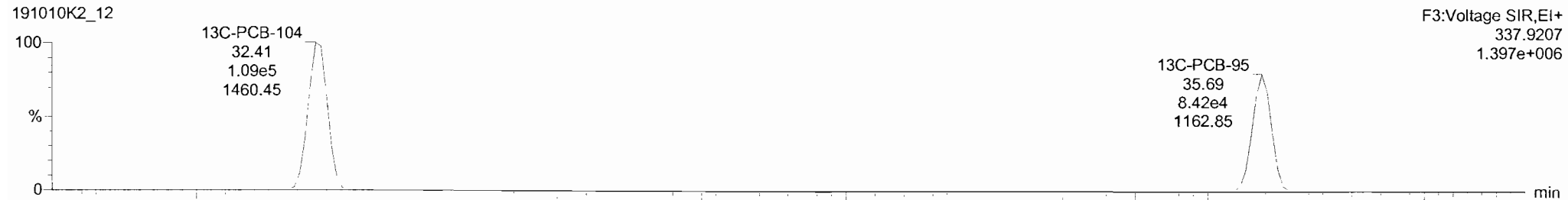
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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

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13C-PCB-95

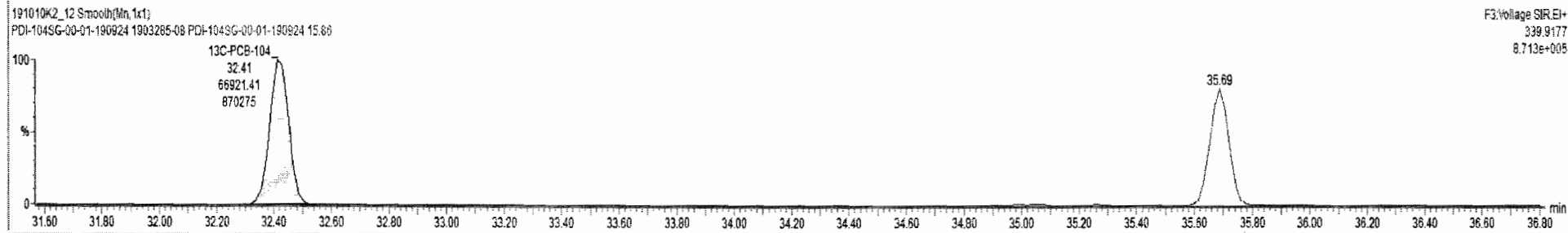
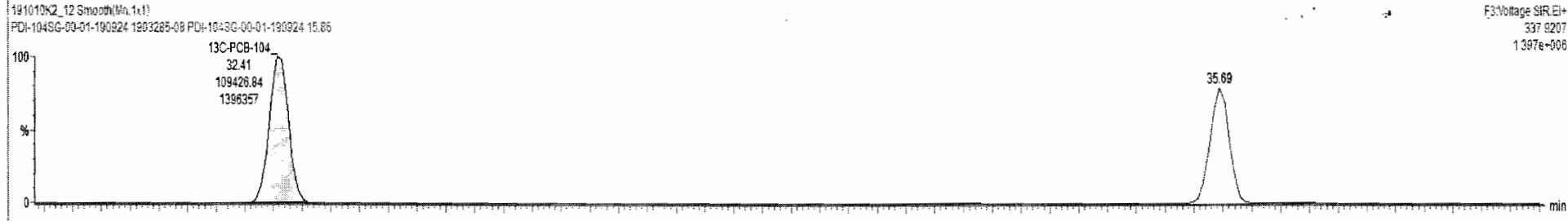
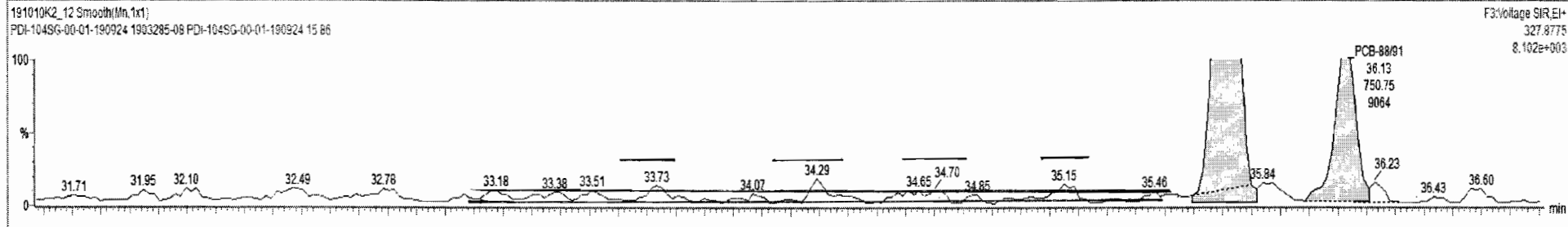
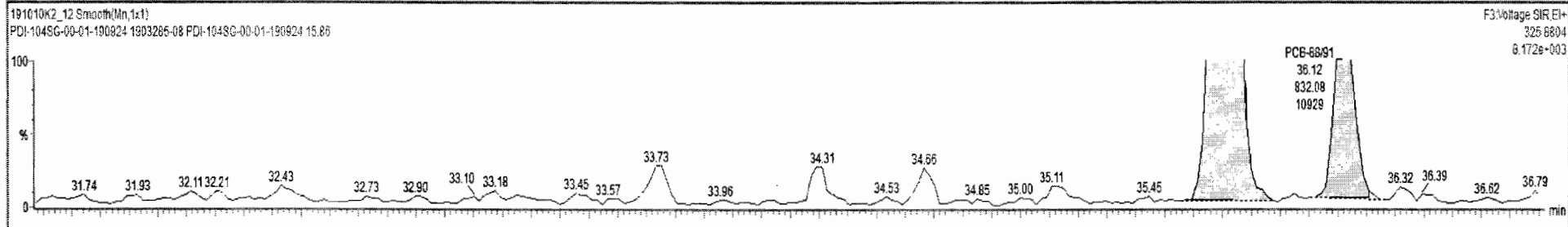




191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1154	5.878	0.00		0.000		NO	700.3		45.9	743.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	*Ratio (Pred)	RA	n/y	EMPC	Conc
69	PCB-95/98/102	35.64	35.71	4.433e3	2.656e3	1.560	1.57	NO	90.165	90.165

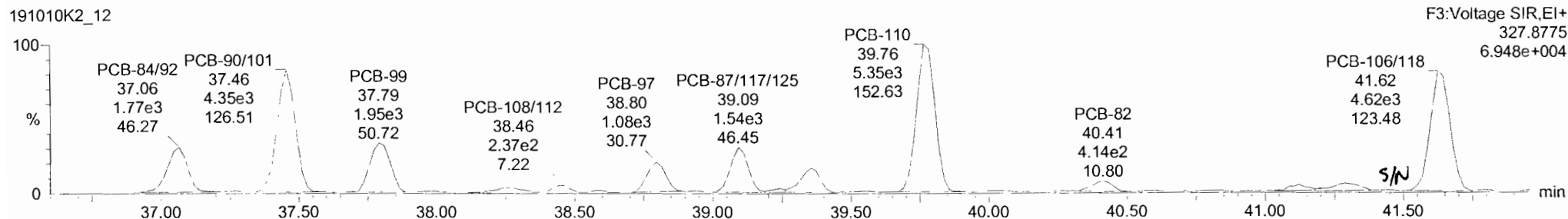
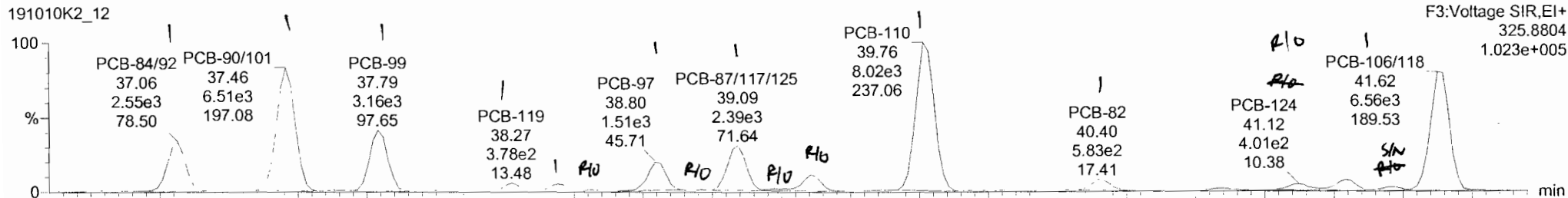


Dataset: Untitled

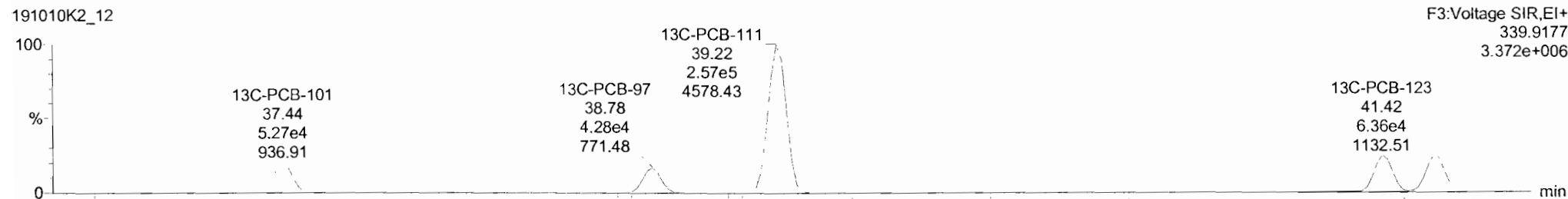
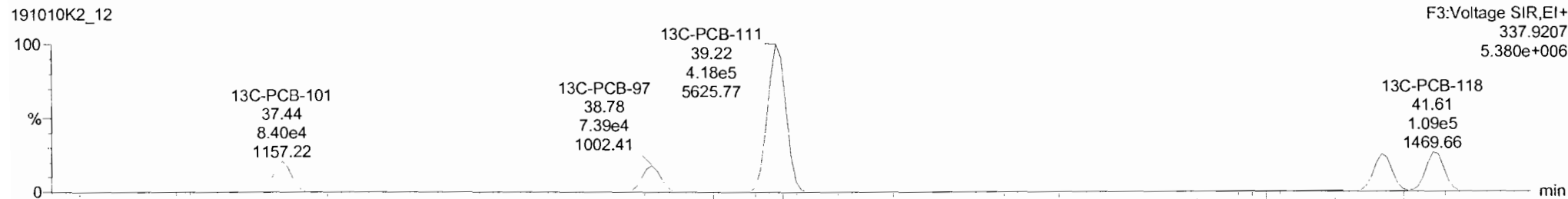
Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time
 Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

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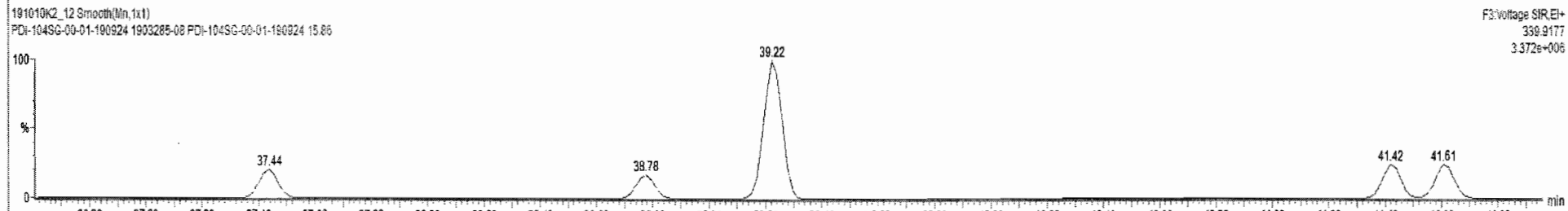
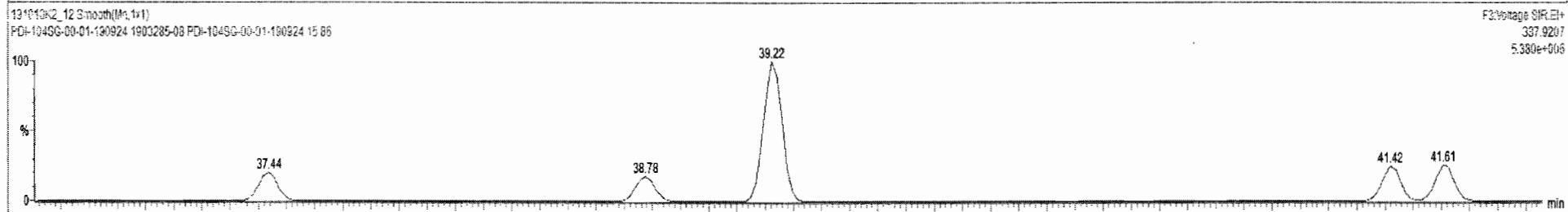
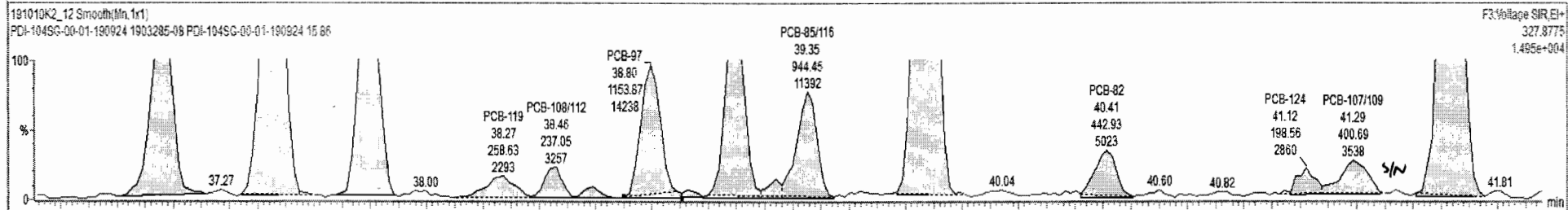
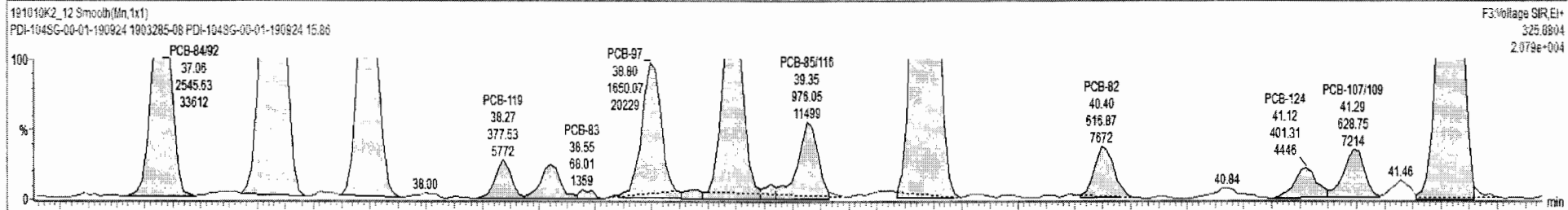
13C-PCB-111



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1154	5.878	0.00		0.000		NO	708.8		45.0	755.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
69	69 PCB-85/86/102	35.64	35.71	4.43e3	2.856e3	1.560	1.57	NO	90.185	90.185
71	71 PCB-86/91	36.12	36.12	8.321e2	7.503e2	1.560	1.11	YES	19.134	0.00000



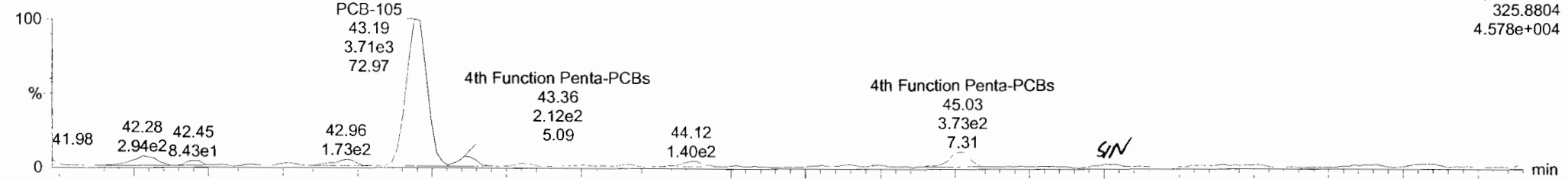
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Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

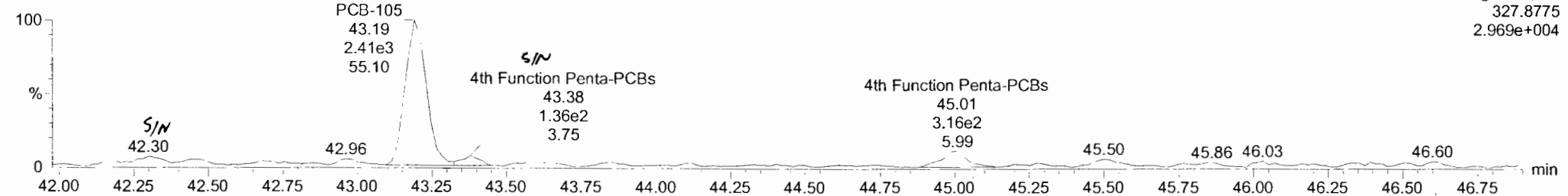
Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

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191010K2_12

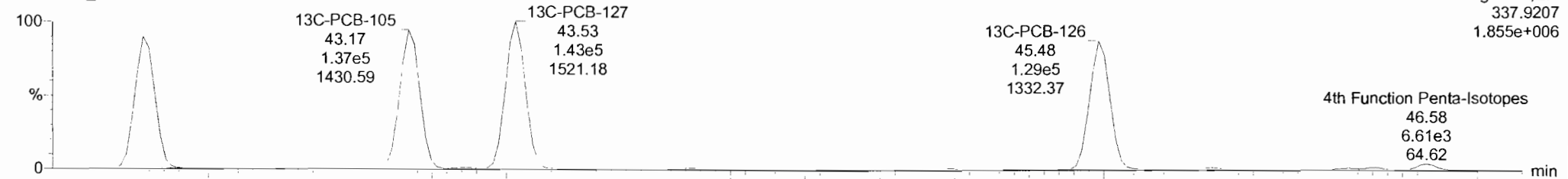


191010K2_12

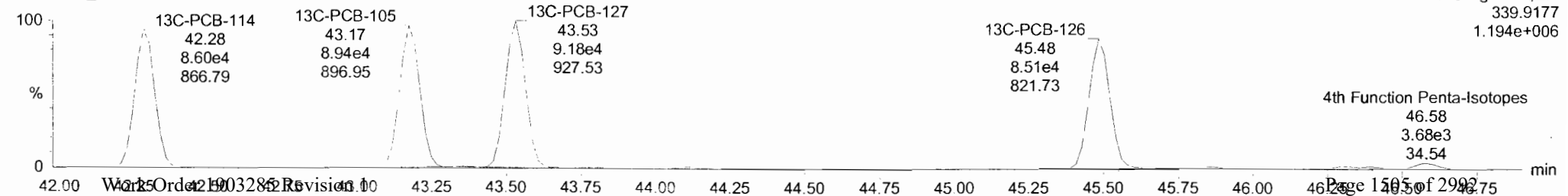


13C-PCB-114

191010K2_12



191010K2_12



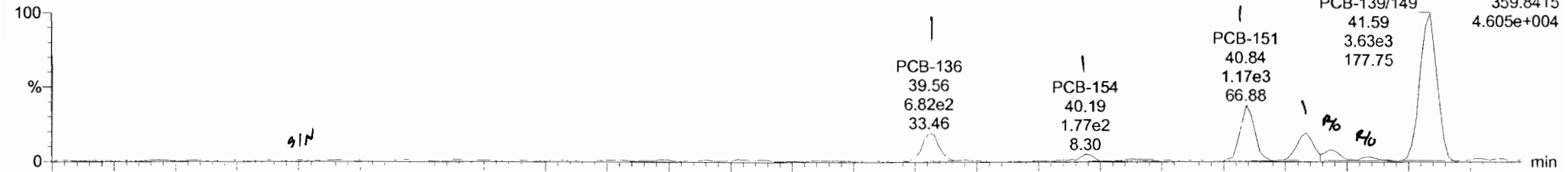
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Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

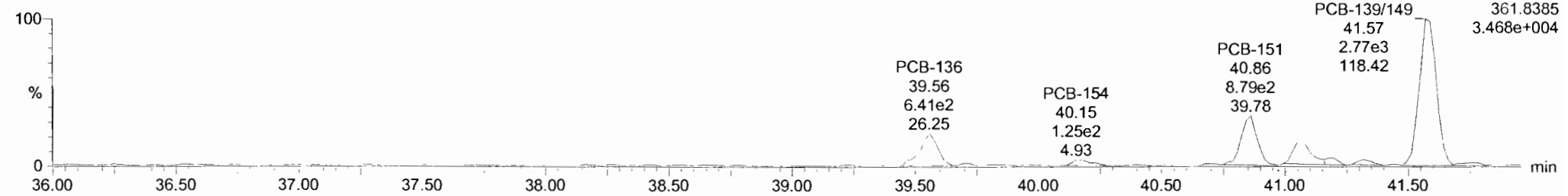
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191010K2_12

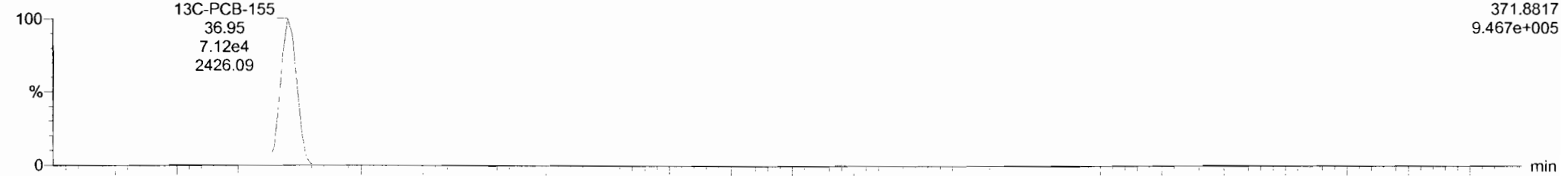


191010K2_12

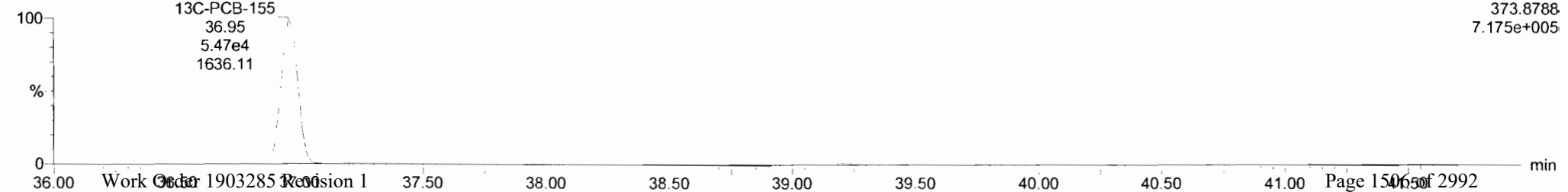


13C-PCB-155

191010K2_12



191010K2_12

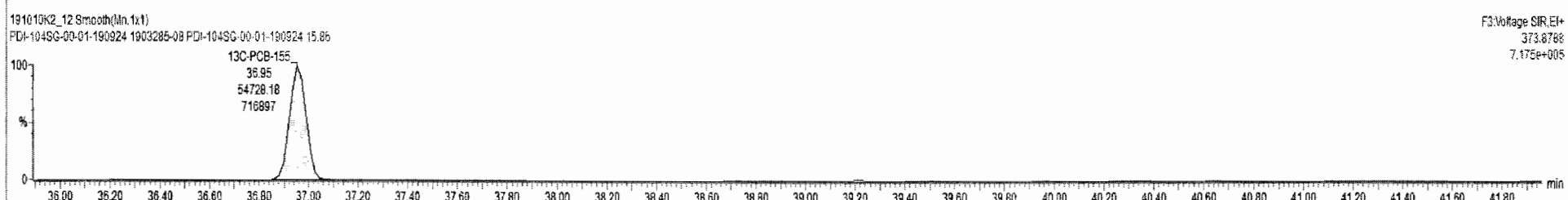
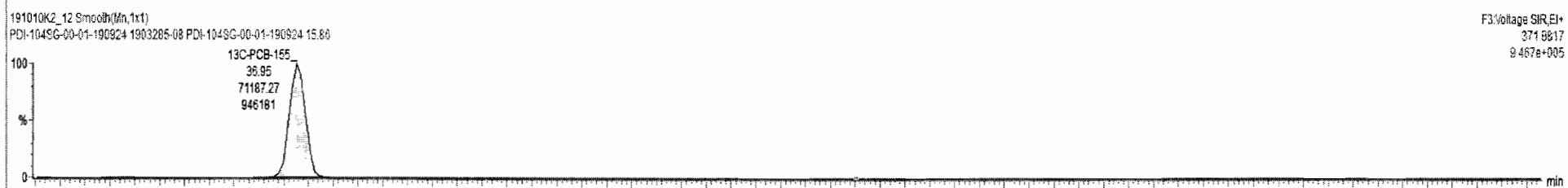
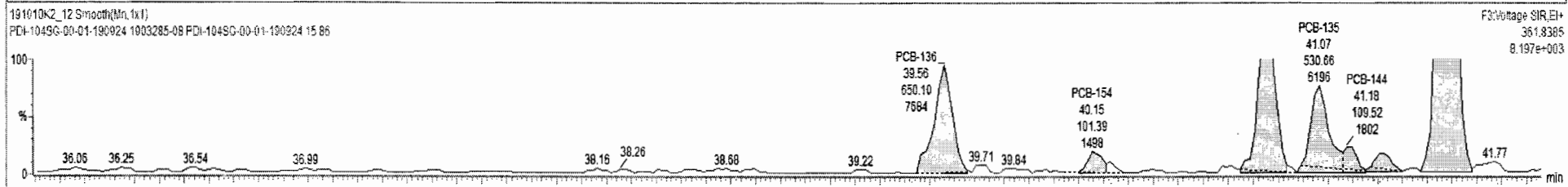
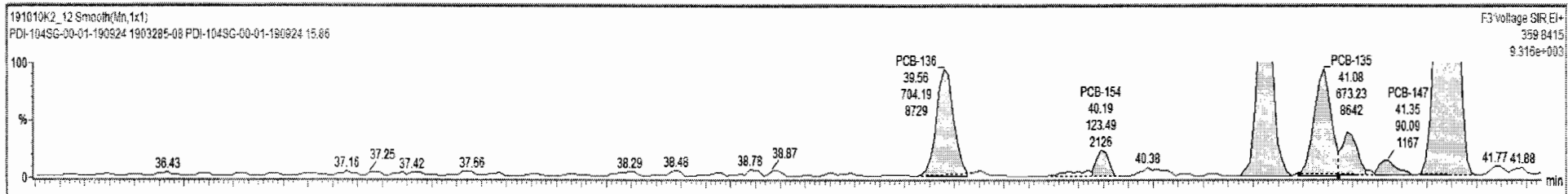




191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.1112	5.873	0.00		0.000		NO	41.84		6.27	41.84

#	Name	Pred RT	RT	m1 Resp	m2 Resp	I ² Ratio (Pred)	RA	nly	EMPC	Conc.
1	102 PCB-136	39.56	39.56	7.042e2	6.501e2	1.240	1.08	NO	21.698	21.698
2	104 PCB-154	40.16	40.19	1.225e2	1.014e2	1.240	1.22	NO	4.1968	4.1968
3	105 PCB-151	40.83	40.84	1.172e3	8.969e2	1.240	1.31	NO	44.212	44.212
4	106 PCB-135	41.05	41.08	6.732e2	5.307e2	1.240	1.27	NO	22.719	22.719
5	107 PCB-144	41.16	41.18	2.506e2	1.095e2	1.240	2.29	YES	4.9725	0.00000
6	108 PCB-147	41.28	41.35	9.009e1	1.045e2	1.240	0.86	YES	3.3267	0.00000
7	109 PCB-139/149	41.57	41.59	3.648e3	2.771e3	1.240	1.32	NO	117.46	117.46



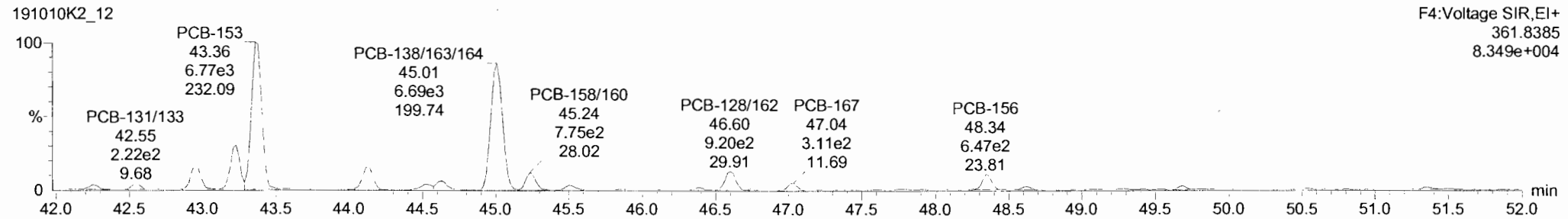
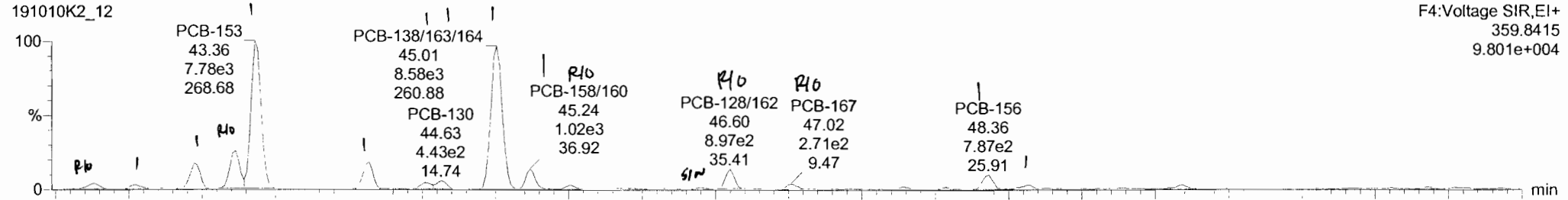
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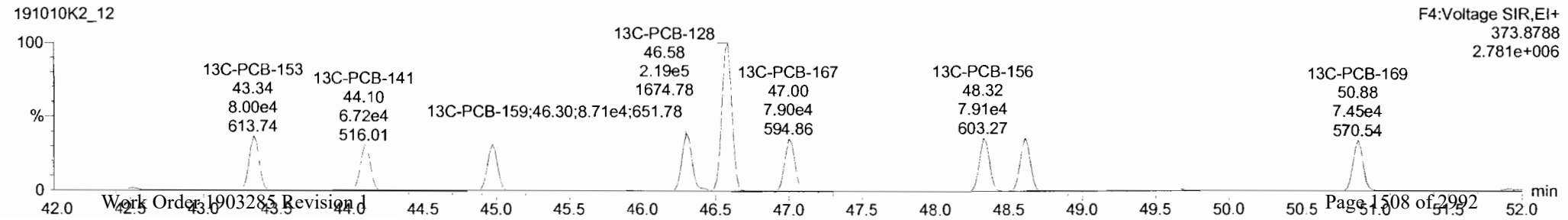
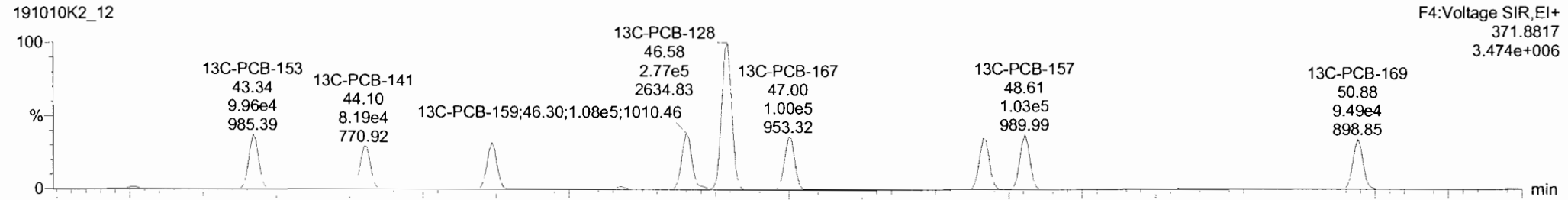
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Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

PCB-134/143



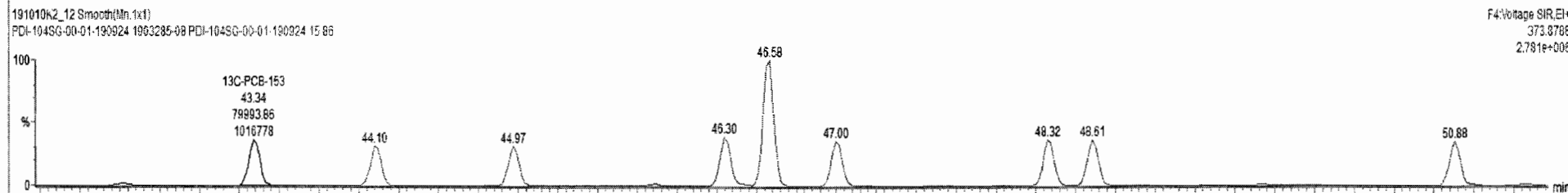
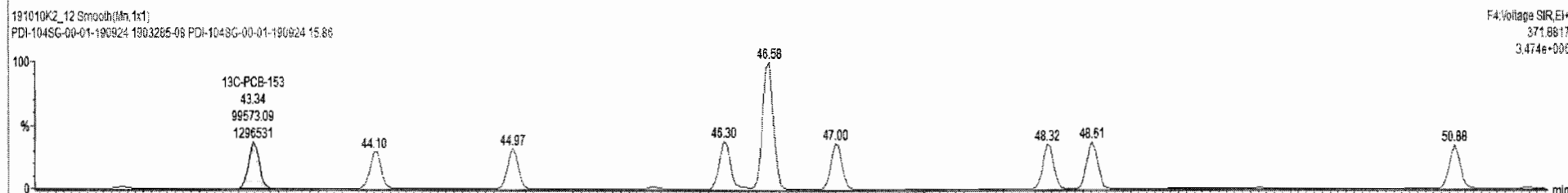
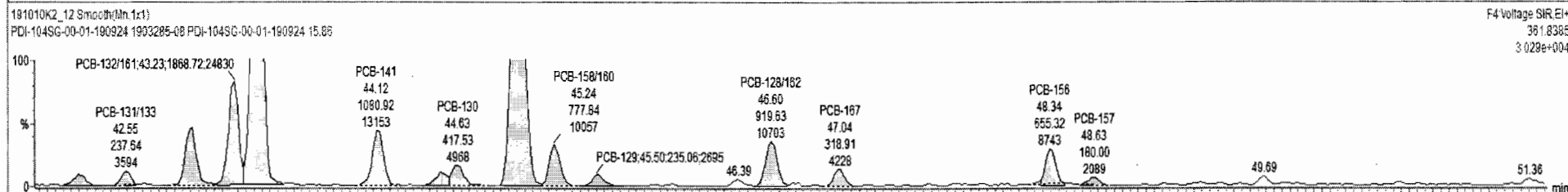
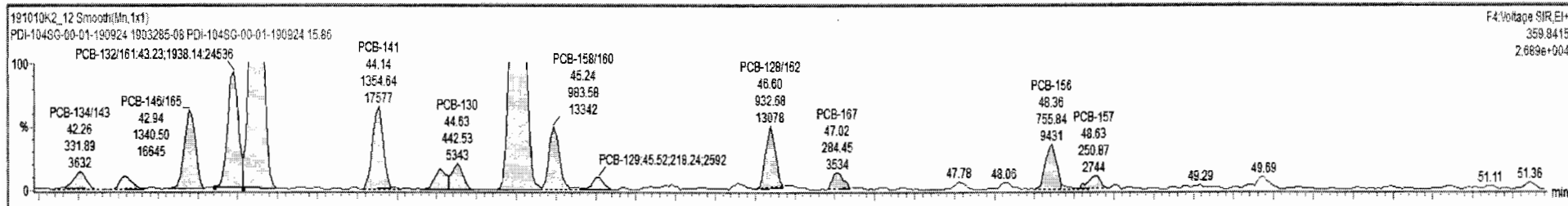
13C-PCB-153



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232	4th Function Hexa-PCBs			0.9719	5.878	0.00		0.000		NO	385.7		23.7	452.9
1992	2123	Total Hexa PCBs			1.2632	6.878	0.00		0.000		NO	967.0		27.0	346.0

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	111 PCB-134/143	42.25	42.28	3.319e2	2.079e2	1.240	1.60	YES	5.8913	6.60600
2	112 PCB-131/133	42.54	42.55	2.549e2	2.379e2	1.240	1.07	NO	5.8951	5.9051
3	114 PCB-146/165	42.94	42.94	1.340e3	1.195e3	1.240	1.21	NO	24.143	24.143
4	115 PCB-132/161	43.18	43.23	1.838e3	1.869e3	1.240	1.04	YES	24.041	0.00000



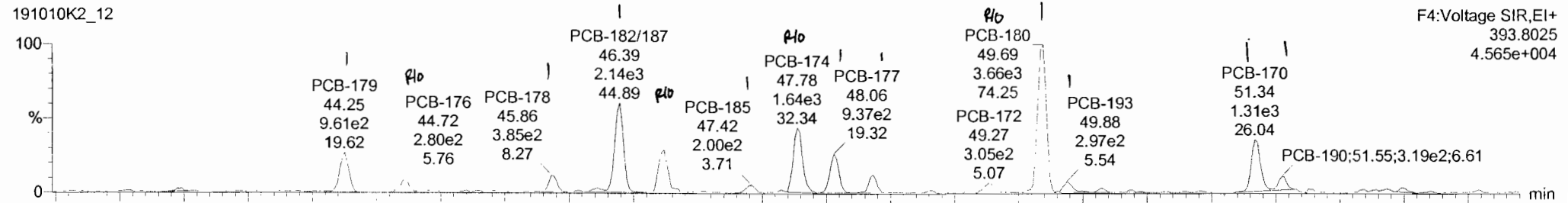
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Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time
Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

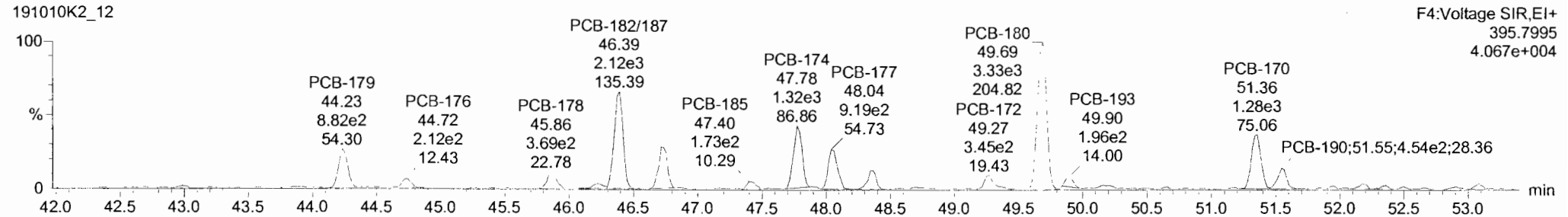
Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

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191010K2_12

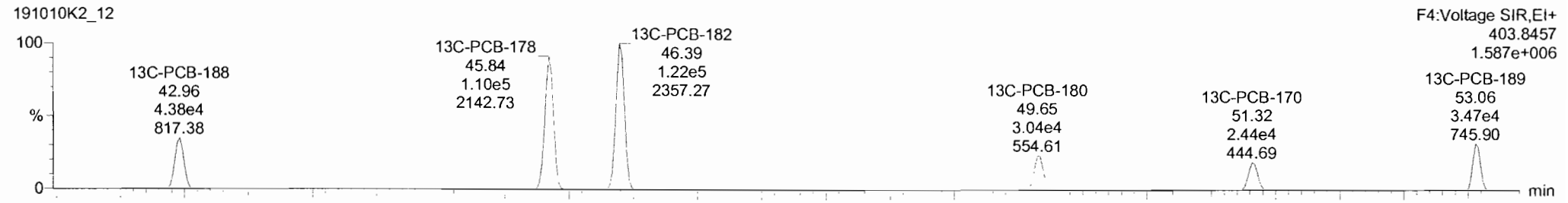


191010K2_12

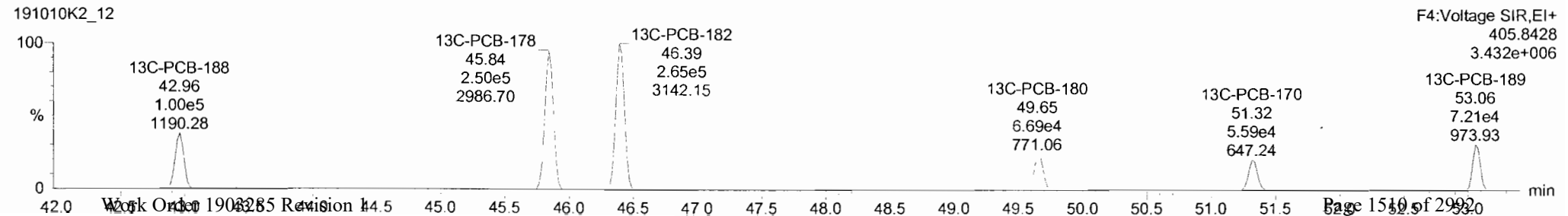


13C-PCB-188

191010K2_12



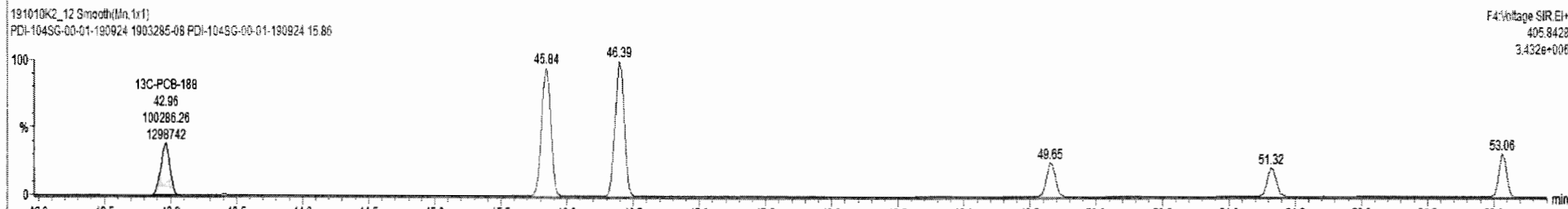
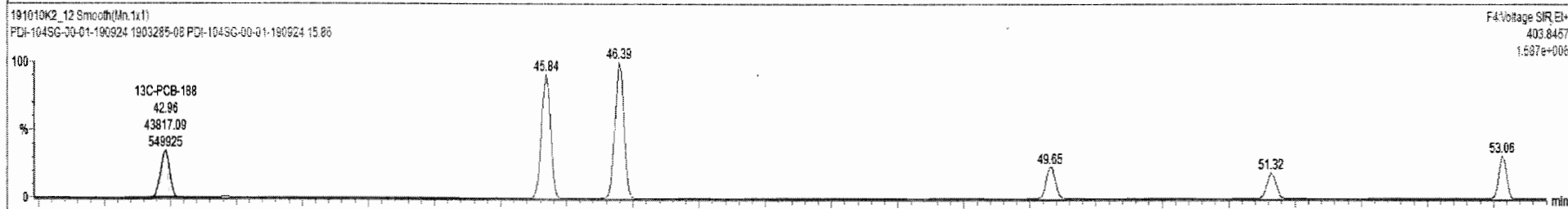
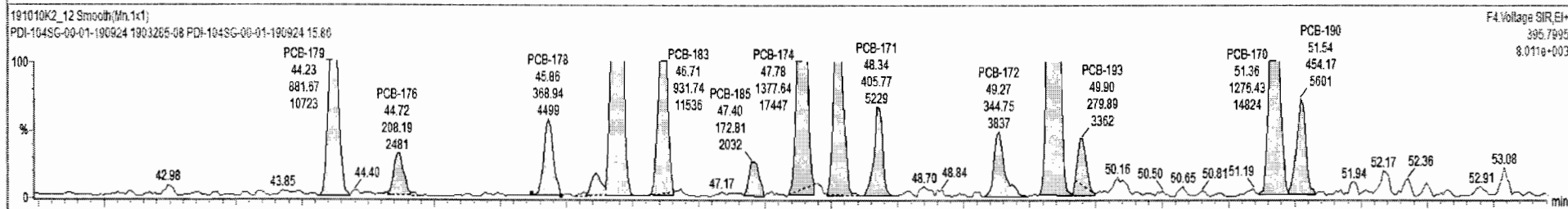
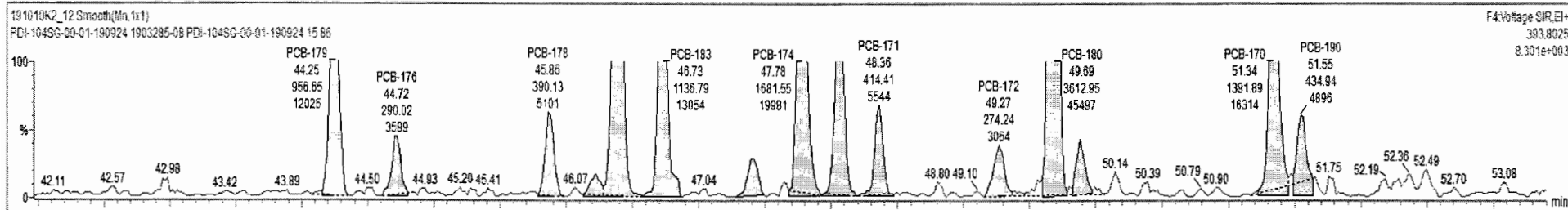
191010K2_12



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	VolVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	5.876	0.00		0.000		NO	385.7		23.7	452.9

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	133 PCB-179	44.25	44.25	9.567e2	6.817e2	1.690	1.09	NO	18.452	16.452
2	134 PCB-176	44.72	44.72	2.900e2	2.082e2	1.050	1.39	YES	4.3461	0.00006



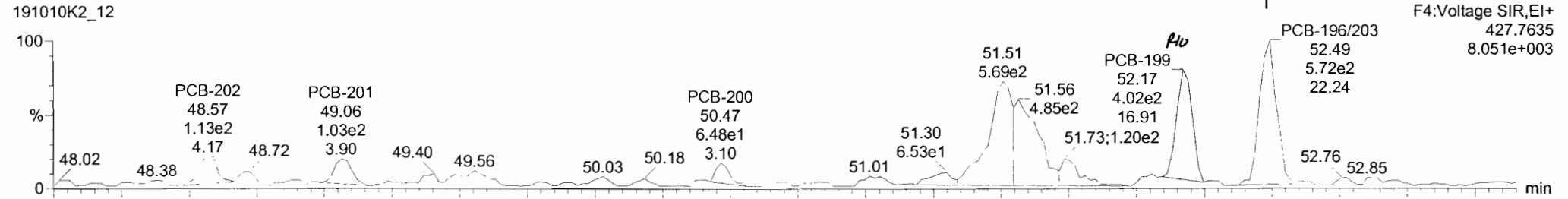
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Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time

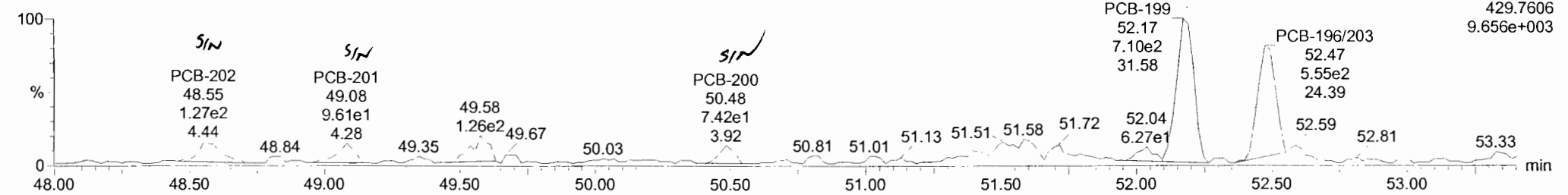
Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

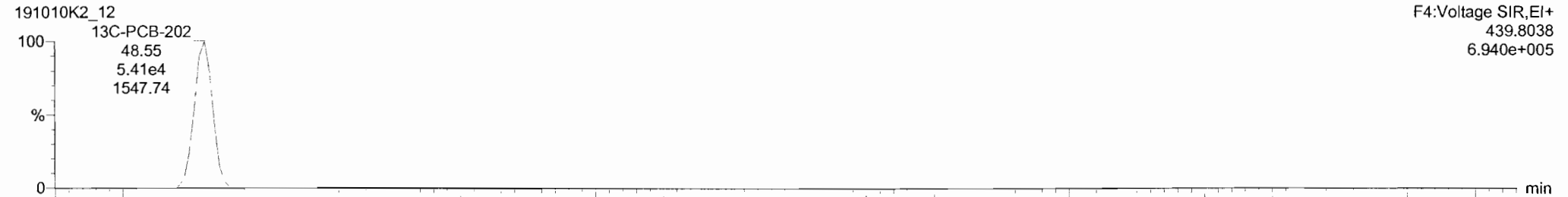
PCB-202



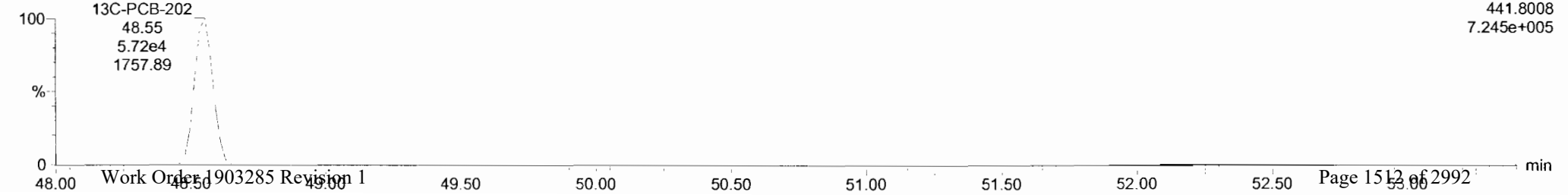
PCB-202



13C-PCB-202



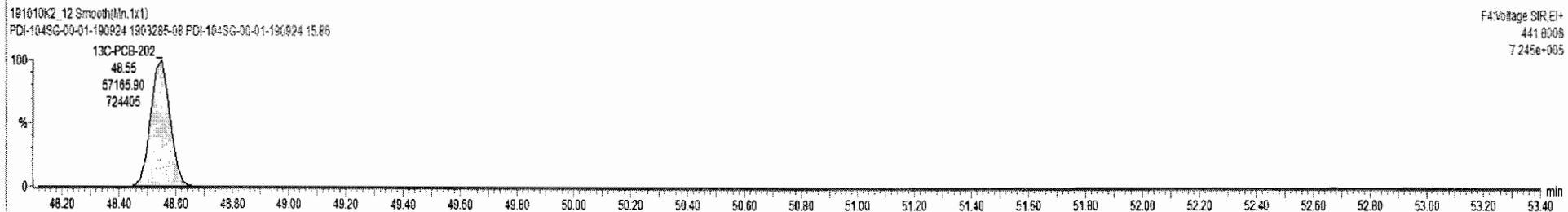
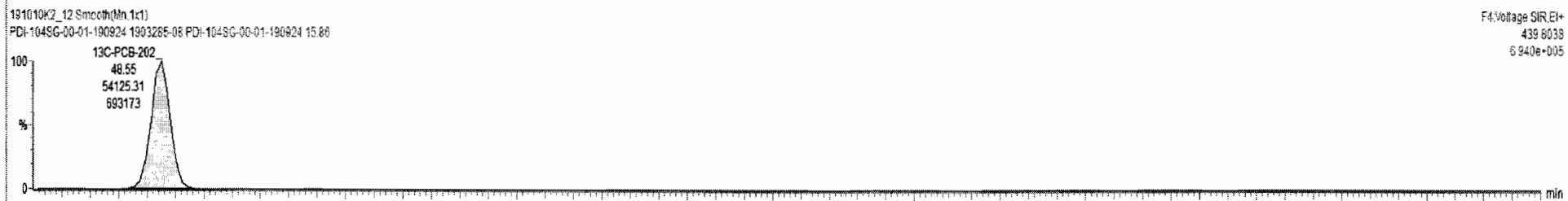
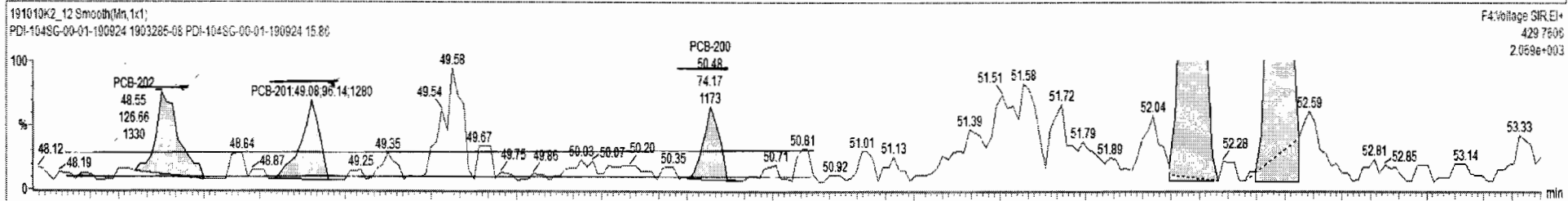
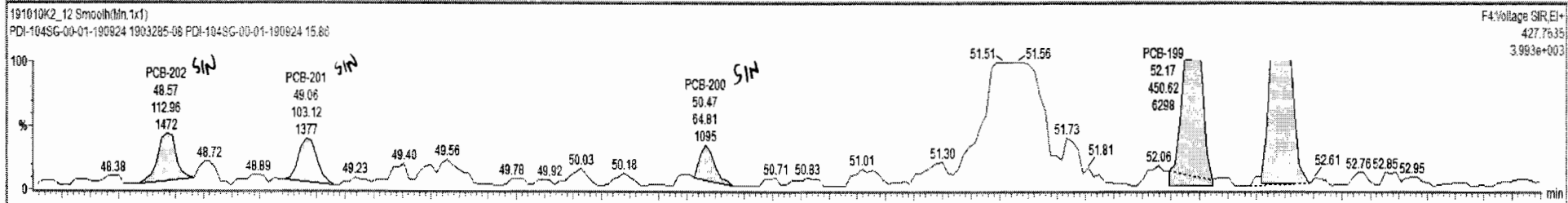
13C-PCB-202



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RTT	RTT Fail	Conc	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.8563	5.878	0.00		0.000		NO	28.83		14.3	52.59
734	734 6th Function Octa-PCBs				1.1027	6.872	0.00		0.000		NO	17.01		7.34	75.69

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	n/y	EMPC	Conc
1	154 PCB-202	48.59	48.57	1.130e2	1.267e2	0.890	0.89	NO	3.5766	3.5766
2	155 PCB-201	49.08	49.06	1.031e2	9.614e1	0.890	1.07	YES	3.0361	0.00000
3	158 PCB-200	50.49	50.47	6.481e1	7.417e1	0.890	0.87	NO	2.2266	2.2266
4	160 PCB-199	52.16	52.17	4.506e2	7.191e2	0.890	0.83	YES	20.722	0.00000
5	161 13C-PCB-202	52.48	52.48	5.626e2	6.188e2	0.890	0.91	NO	21.025	21.025



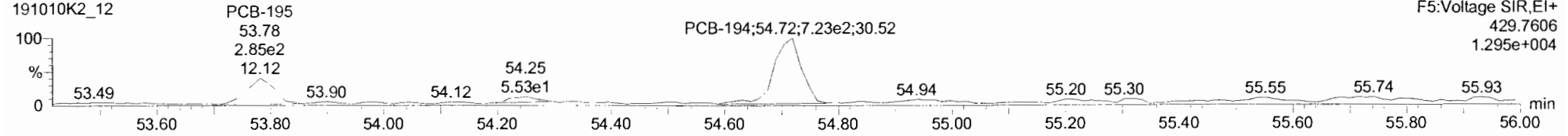
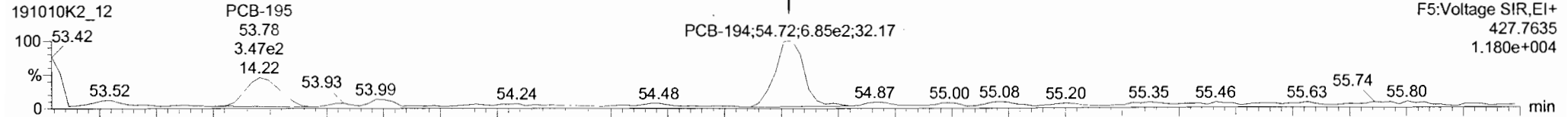
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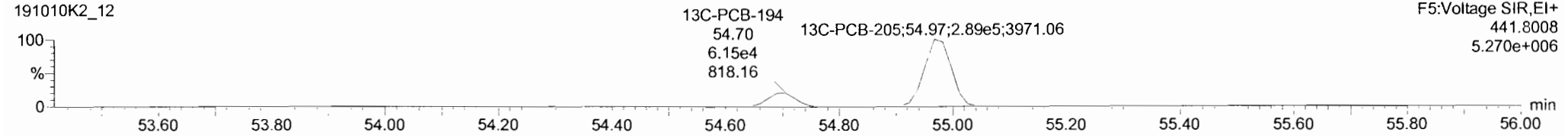
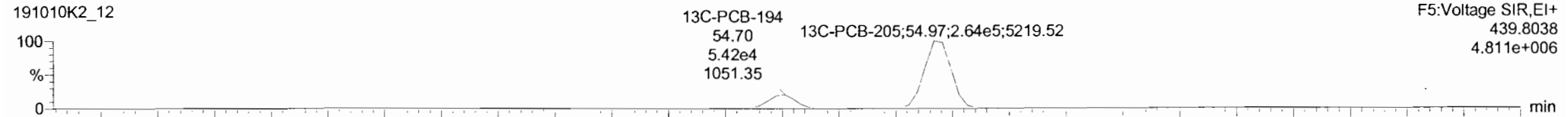
Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

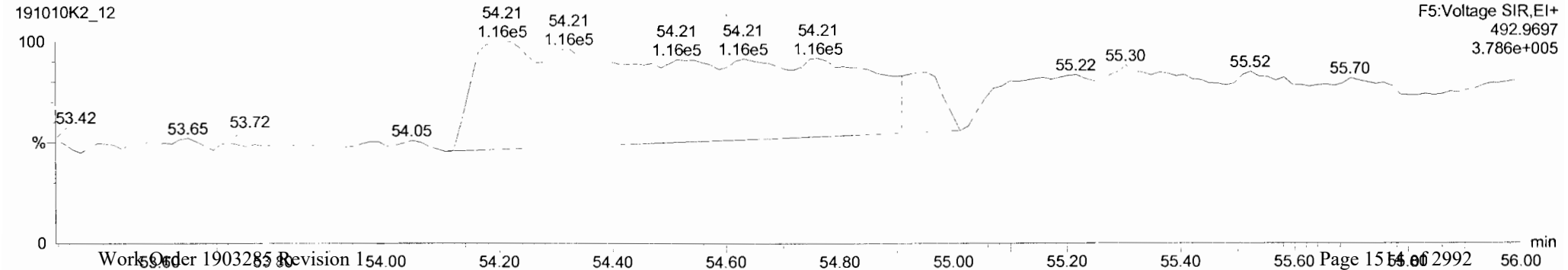
PCB-195



13C-PCB-194



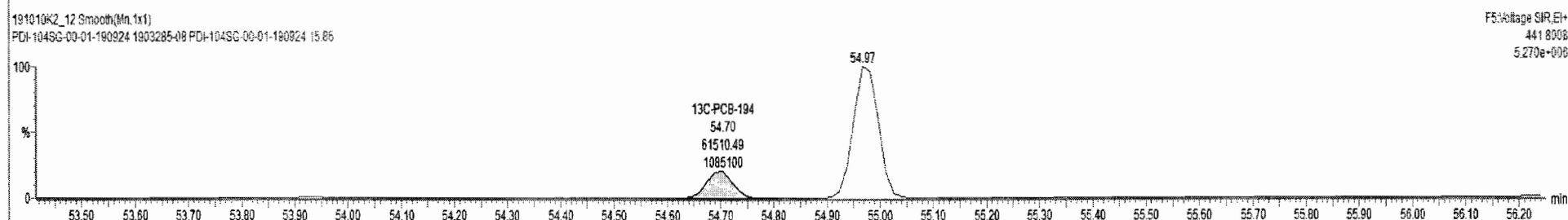
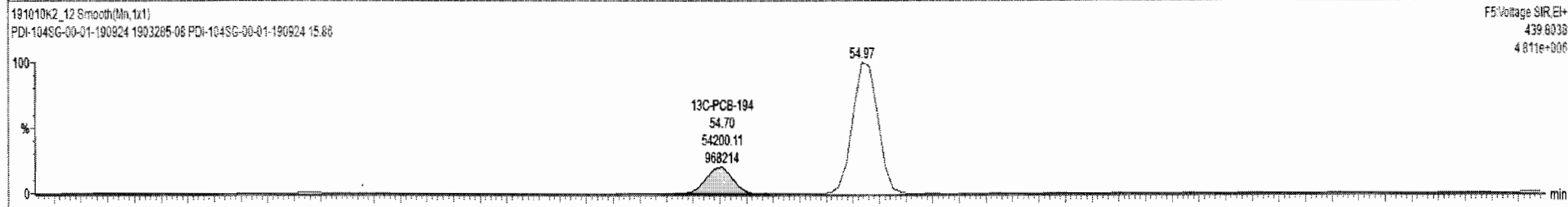
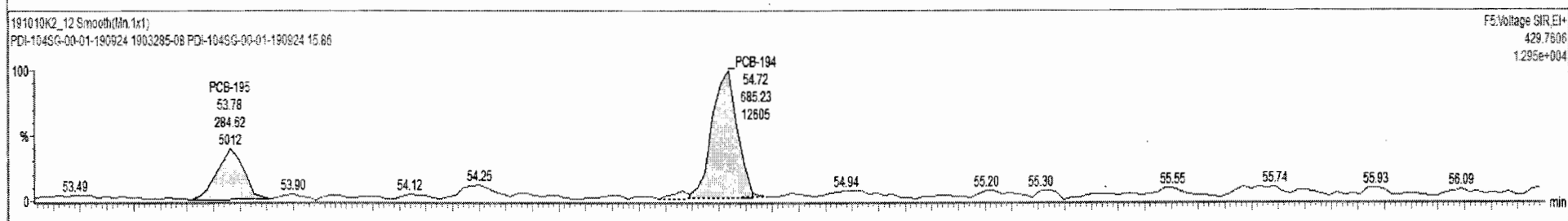
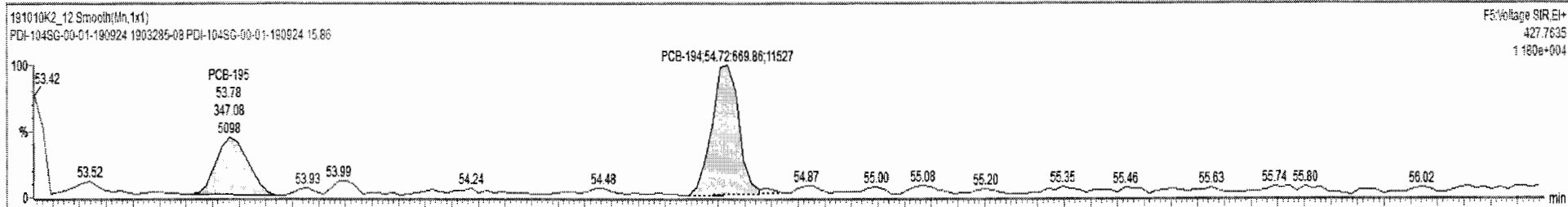
PFK5



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.8863	5.678	0.00		0.000		NO	23.03		14.3	43.75

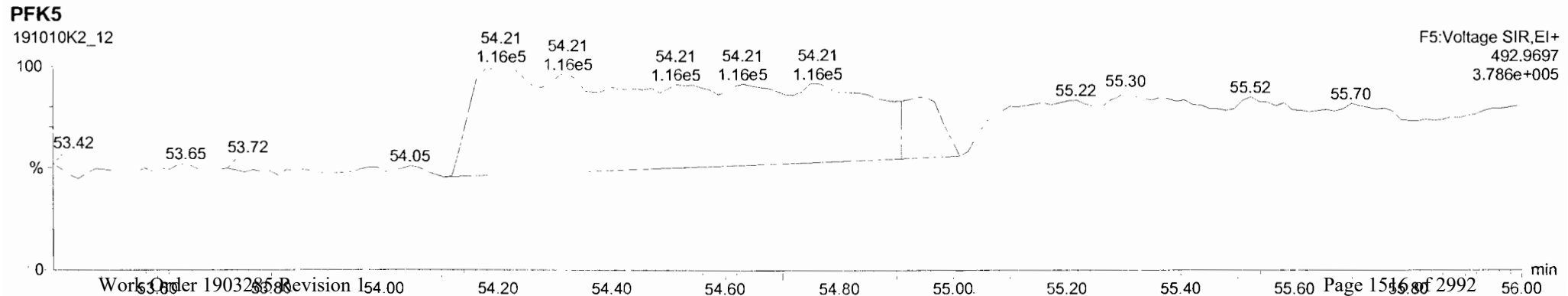
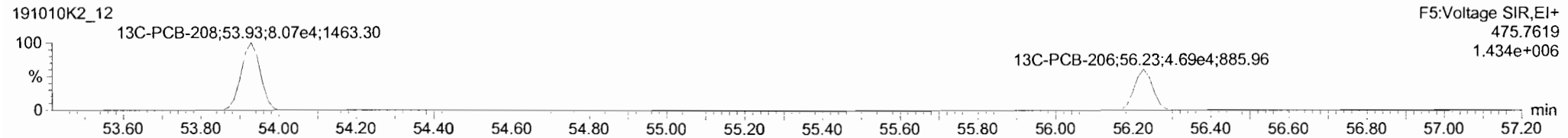
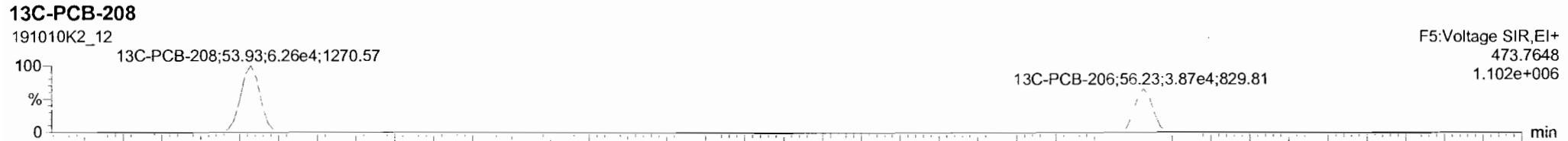
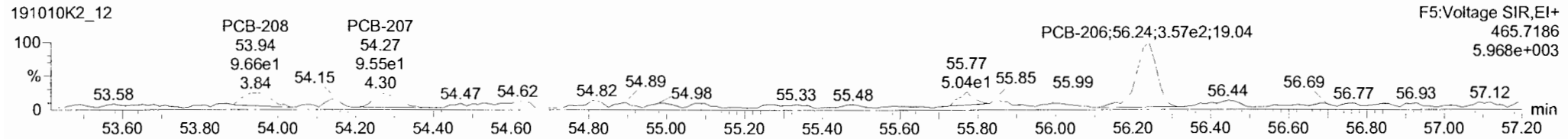
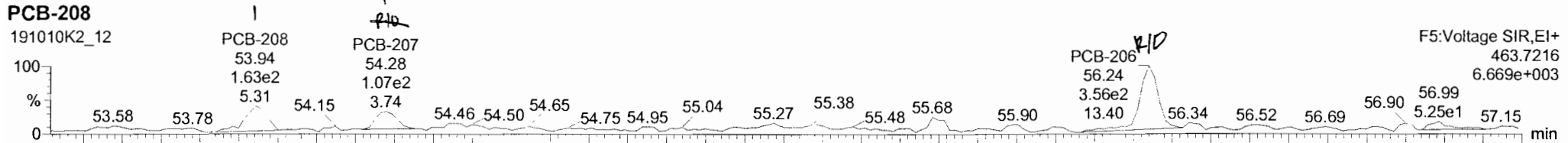
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.80	53.78	3.471e2	2.849e2	0.890	1.22	YES	7.6529	0.00000
2	163 PCB-194	54.72	54.72	6.699e2	6.652e2	0.890	9.98	NO	17.234	17.234



Dataset: Untitled

Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time
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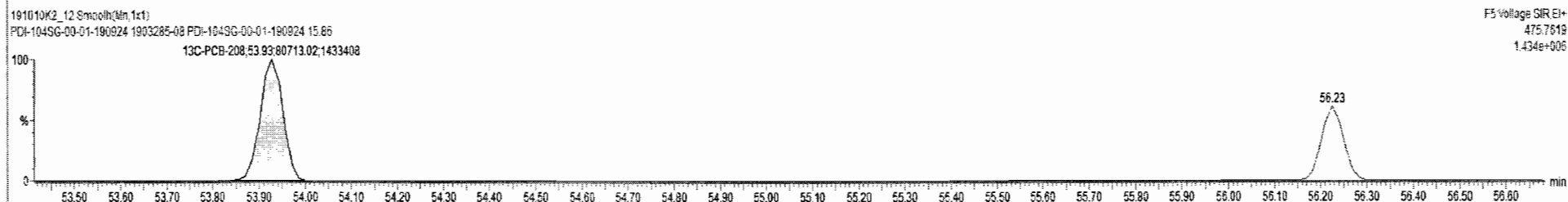
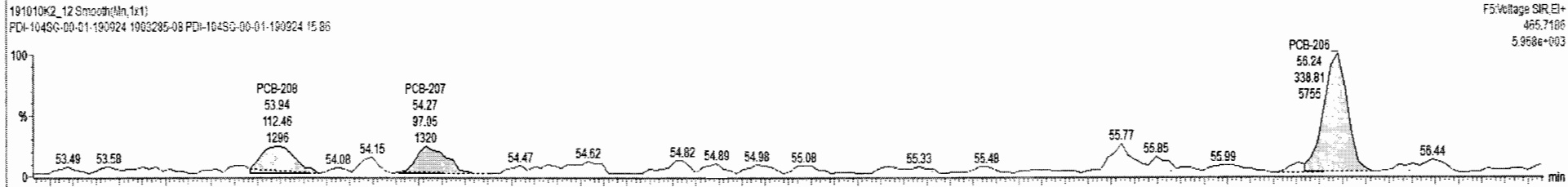
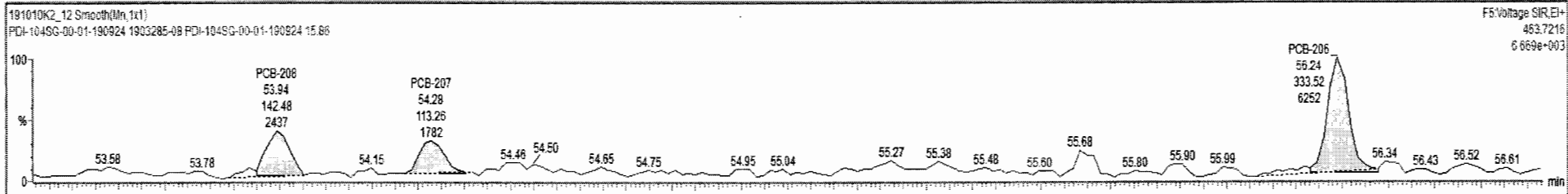
Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924



191010K2_12 - 1903285-08 PDI-104SG-00-01-190924 15.86 - PDI-104SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	w/vol	Pred_RT	RT	Pred_R	RRT	RRT_Fai	Conc	%Rec	DL	EMPC
236	Total Nons-PCBs				0.9446	5.678	0.00		0.000		NO	5.975		3.91	17.68

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-206	53.95	53.94	1.425e2	1.125e2	1.340	1.27	NO	3.2388	3.2388
2	166 PCB-207	54.26	54.28	1.133e2	9.705e1	1.340	1.17	NO	2.7365	2.7365
3	167 PCB-206	56.24	56.24	3.335e2	3.388e2	1.340	0.98	YES	11.715	0.00800

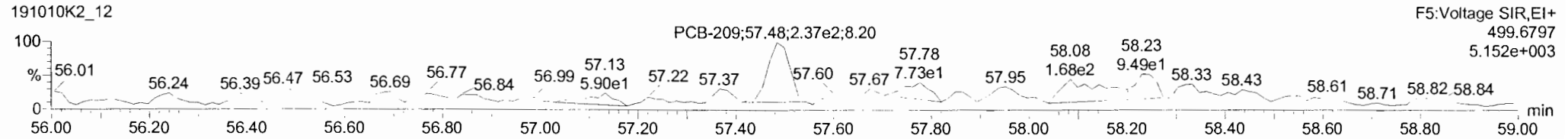
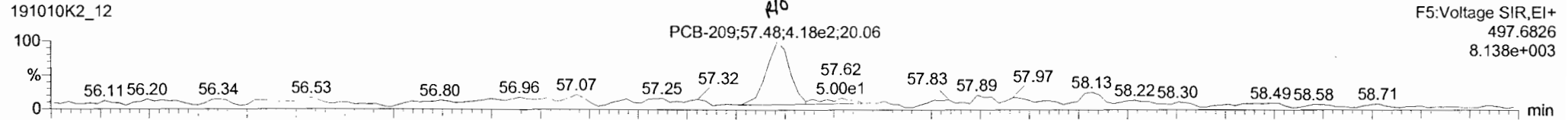


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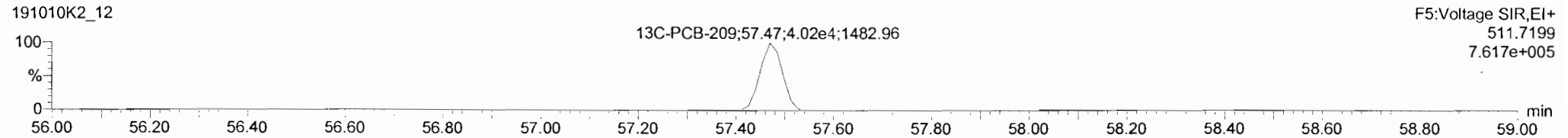
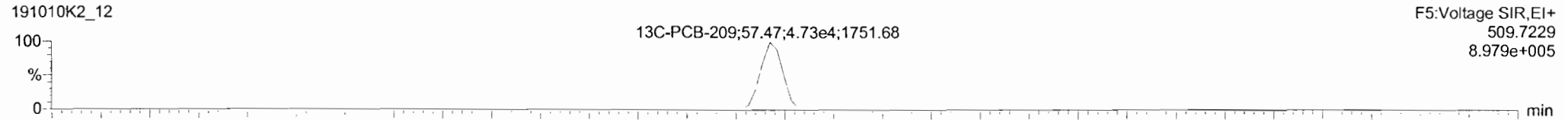
Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time
Printed: Friday, October 11, 2019 16:00:06 Pacific Daylight Time

Name: 191010K2_12, Date: 11-Oct-2019, Time: 14:32:17, ID: 1903285-08 PDI-104SG-00-01-190924 15.86, Description: PDI-104SG-00-01-190924

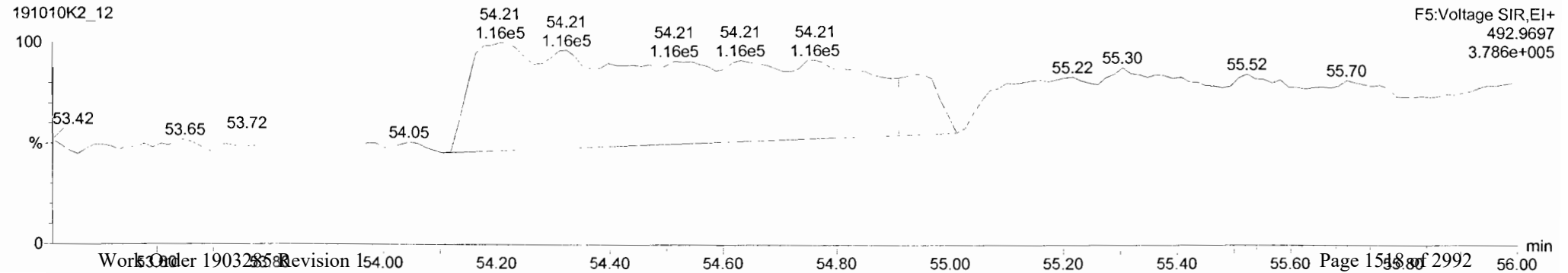
PCB-209



13C-PCB-209



PFK5



Dataset: U:\VG11.PRO\Results\191012K1\191012K1-4.qld

Last Altered: Thursday, October 31, 2019 13:32:05 Pacific Daylight Time

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EL 10/31/19

HL 11/1/19

C 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	2686.052	2.720	NO	1.02	5.638	15.53	15.53	1.00	1.00	NO	6.578		0.346	6.578
2	2 PCB-2	6394.325	2.821	NO	1.01	5.638	17.94	17.94	0.99	0.99	NO	13.68		0.324	13.68
3	3 PCB-3	3145.272	2.463	YES	1.01	5.638	18.17	18.18	1.00	1.00	NO	6.741		0.325	6.326
4	4 PCB-4/10	6635.462	1.683	NO	1.28	5.638	19.60	19.53	1.00	1.00	NO	19.26		2.11	19.26
5	5 PCB-7/9				0.976	5.638	21.40		1.00		YES			1.68	
6	6 PCB-6	4200.058	1.358	NO	1.02	5.638	22.05	22.04	1.03	1.03	NO	9.193		1.61	9.193
7	7 PCB-5/8	19856.220	1.376	NO	1.01	5.638	22.46	22.45	1.05	1.05	NO	43.72		1.62	43.72
8	8 PCB-14				1.03	5.638	23.63		0.95		YES			1.91	
9	9 PCB-11	33122.034	1.448	NO	1.10	5.638	24.84	24.84	1.00	1.00	NO	65.24		1.80	65.24
10	10 PCB-12/13				1.04	5.638	25.27		1.02		YES			1.91	
11	11 PCB-15	25432.066	1.319	YES	1.03	5.638	25.57	25.54	1.03	1.03	NO	53.39		1.92	49.82
12	12 PCB-19	6956.468	0.901	NO	0.934	5.638	23.79	23.78	1.00	1.00	NO	22.49		0.523	22.49
13	13 PCB-30				1.48	5.638	24.69		1.04		YES			0.330	
14	14 PCB-18	19790.611	0.992	NO	0.693	5.638	25.47	25.47	0.95	0.95	NO	55.29		0.457	55.29
15	15 PCB-17	12732.624	0.986	NO	0.667	5.638	25.63	25.63	0.96	0.96	NO	36.97		0.475	36.97
16	16 PCB-24/27	4424.436	0.962	NO	0.915	5.638	26.24	26.21	0.98	0.98	NO	9.366		0.346	9.366
17	17 PCB-16/32	23238.186	0.912	NO	0.792	5.638	26.77	26.76	1.00	1.00	NO	56.78		0.400	56.78
18	18 PCB-34				0.987	5.638	27.58		0.96		YES			0.694	
19	19 PCB-23				0.974	5.638	27.68		0.96		YES			0.704	
20	20 PCB-29				0.953	5.638	27.95		0.97		YES			0.719	
21	21 PCB-26	11945.680	1.067	NO	1.00	5.638	28.16	28.15	0.98	0.98	NO	29.16		0.685	29.16
22	22 PCB-25	6774.060	0.839	YES	0.978	5.638	28.33	28.32	0.98	0.98	NO	16.23		0.701	15.15
23	23 PCB-31	60634.727	1.045	NO	1.12	5.638	28.70	28.67	1.00	1.00	NO	131.9		0.610	131.9
24	24 PCB-28	71584.469	1.061	NO	1.11	5.638	28.78	28.78	1.00	1.00	NO	158.2		0.620	158.2
25	25 PCB-20/21/33	30654.586	1.059	NO	1.00	5.638	29.41	29.43	1.02	1.02	NO	74.65		0.683	74.65
26	26 PCB-22	20131.215	1.025	NO	1.03	5.638	29.88	29.86	1.04	1.04	NO	47.62		0.664	47.62
27	27 PCB-36				1.18	5.638	30.53		0.93		YES			0.574	
28	28 PCB-39				1.08	5.638	31.00		0.95		YES			0.623	
29	29 PCB-38				1.13	5.638	31.80		0.97		YES			0.599	
30	30 PCB-35	1809.852	1.517	YES	1.13	5.638	32.35	32.36	0.99	0.99	NO	3.882		0.597	3.146
31	31 PCB-37	26889.347	1.035	NO	1.11	5.638	32.80	32.78	1.00	1.00	NO	59.03		0.611	59.03

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-4.qld

Last Altered: Thursday, October 31, 2019 13:32:05 Pacific Daylight Time

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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	1713.649	0.688	NO	0.996	5.638	27.61	27.61	1.00	1.00	NO	4.415		0.508	4.415
33	33 PCB-50	442.608	0.381	YES	0.781	5.638	28.81	28.82	1.04	1.04	NO	1.453		0.547	0.9218
34	34 PCB-53	13543.504	0.706	NO	0.955	5.638	29.49	29.49	0.94	0.94	NO	43.36		0.654	43.36
35	35 PCB-51	6740.082	0.707	NO	1.02	5.638	29.84	29.84	0.95	0.95	NO	20.14		0.610	20.14
36	36 PCB-45	8129.637	0.803	NO	0.808	5.638	30.29	30.29	0.97	0.97	NO	30.77		0.773	30.77
37	37 PCB-46	3831.882	0.803	NO	0.754	5.638	30.79	30.79	0.99	0.99	NO	15.55		0.829	15.55
38	38 PCB-52/69	96861.247	0.704	NO	1.09	5.638	31.30	31.28	1.00	1.00	NO	271.3		0.572	271.3
39	39 PCB-73				1.29	5.638	31.42		1.01		YES			0.485	
40	40 PCB-43/49	64729.881	0.714	NO	0.940	5.638	31.58	31.59	1.01	1.01	NO	210.5		0.665	210.5
41	41 PCB-47	34361.400	0.754	NO	0.869	5.638	31.80	31.82	1.00	1.00	NO	107.9		0.697	107.9
42	42 PCB-48/75	12589.986	0.675	NO	1.02	5.638	31.91	31.93	1.00	1.00	NO	33.52		0.591	33.52
43	43 PCB-65				1.11	5.638	32.18		1.01		YES			0.546	
44	44 PCB-62				1.07	5.638	32.29		1.02		YES			0.569	
45	45 PCB-44	58077.773	0.726	NO	0.761	5.638	32.63	32.64	1.03	1.03	NO	208.2		0.796	208.2
46	46 PCB-42/59	25396.936	0.702	NO	0.960	5.638	32.84	32.86	1.03	1.03	NO	72.15		0.631	72.15
47	47 PCB-41/64/71/72	79995.840	0.738	NO	1.08	5.638	33.46	33.46	1.05	1.05	NO	201.7		0.560	201.7
48	48 PCB-68	1975.102	0.760	NO	1.11	5.638	33.72	33.73	1.06	1.06	NO	4.860		0.546	4.860
49	49 PCB-40	9101.729	0.732	NO	0.577	5.638	33.95	33.94	1.07	1.07	NO	43.05		1.05	43.05
50	50 PCB-57	709.579	0.826	NO	1.05	5.638	34.31	34.33	0.97	0.97	NO	1.648		0.484	1.648
51	51 PCB-67	2853.274	0.720	NO	0.993	5.638	34.64	34.65	0.98	0.98	NO	6.995		0.511	6.995
52	52 PCB-58	666.631	0.668	NO	1.11	5.638	34.77	34.74	0.98	0.98	NO	1.459		0.456	1.459
53	53 PCB-63	4589.719	0.618	YES	0.962	5.638	34.92	34.92	0.99	0.99	NO	11.62		0.527	10.20
54	54 PCB-74	43382.916	0.732	NO	1.07	5.638	35.21	35.20	0.99	0.99	NO	99.08		0.476	99.08
55	55 PCB-61/70	115230.723	0.716	NO	0.986	5.638	35.43	35.43	1.00	1.00	NO	284.6		0.515	284.6
56	56 PCB-76/66	115360.878	0.704	NO	1.07	5.638	35.59	35.63	1.00	1.01	NO	263.4		0.476	263.4
57	57 PCB-80				1.08	5.638	35.86		1.00		YES			0.412	
58	58 PCB-55	1683.357	0.707	NO	1.07	5.638	36.18	36.17	1.01	1.01	NO	3.433		0.418	3.433
59	59 PCB-56/60	68725.319	0.703	NO	0.934	5.638	36.68	36.69	1.02	1.02	NO	160.2		0.478	160.2
60	60 PCB-79	2913.491	0.716	NO	1.04	5.638	37.80	37.81	1.05	1.06	NO	6.075		0.427	6.075
61	61 PCB-78	527.812	1.507	YES	1.03	5.638	38.52	38.46	0.99	0.99	NO	1.070		0.426	0.7553
62	62 PCB-81	1567.901	0.857	NO	0.933	5.638	39.06	39.11	1.00	1.00	NO	3.514		0.471	3.514
63	63 PCB-77	15171.096	0.785	NO	1.03	5.638	39.67	39.67	1.00	1.00	NO	31.44		0.438	31.44
64	64 PCB-104	1127.714	1.078	YES	0.995	5.638	32.47	32.45	1.00	1.00	NO	2.481		0.419	2.113
65	65 PCB-96	2327.524	1.393	NO	0.996	5.638	33.76	33.75	1.04	1.04	NO	5.115		0.418	5.115

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-4.qld

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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	3682.932	1.523	NO	0.774	5.638	34.33	34.33	1.06	1.06	NO	10.41		0.538	10.41
67	67 PCB-100	3308.588	1.436	NO	0.778	5.638	34.70	34.70	1.07	1.07	NO	9.311		0.536	9.311
68	68 PCB-94	1182.239	1.651	NO	0.773	5.638	35.19	35.19	0.99	0.99	NO	4.054		0.645	4.054
69	69 PCB-95/98/102	124419.679	1.481	NO	1.01	5.638	35.66	35.72	1.00	1.00	NO	325.2		0.492	325.2
70	70 PCB-93				0.841	5.638	35.78		1.00		YES			0.593	
71	71 PCB-88/91	28127.616	1.565	NO	0.890	5.638	36.13	36.13	1.01	1.01	NO	83.86		0.561	83.86
72	72 PCB-121				1.39	5.638	36.22		1.01		YES			0.360	
73	73 PCB-84/92	67563.057	1.478	NO	0.879	5.638	37.09	37.08	0.99	0.99	NO	196.8		0.556	196.8
74	74 PCB-89	2069.047	1.429	NO	0.959	5.638	37.30	37.27	1.00	1.00	NO	5.519		0.509	5.519
75	75 PCB-90/101	186971.109	1.524	NO	0.944	5.638	37.47	37.47	1.00	1.00	NO	506.9		0.517	506.9
76	76 PCB-113				1.23	5.638	37.72		1.01		YES			0.397	
77	77 PCB-99	90199.387	1.488	NO	1.12	5.638	37.82	37.81	1.01	1.01	NO	206.3		0.436	206.3
78	78 PCB-119	7980.714	1.425	NO	1.47	5.638	38.29	38.27	0.99	0.99	NO	15.16		0.362	15.16
79	79 PCB-108/112	7746.287	1.462	NO	1.25	5.638	38.45	38.46	0.99	0.99	NO	17.33		0.426	17.33
80	80 PCB-83				1.55	5.638	38.62		1.00		YES			0.344	
81	81 PCB-97	43657.039	1.498	NO	1.07	5.638	38.83	38.81	1.00	1.00	NO	113.5		0.495	113.5
82	82 PCB-86	583.623	1.227	YES	0.996	5.638	38.98	38.98	1.00	1.00	NO	1.638		0.385	1.481
83	83 PCB-87/117/125	64774.065	1.485	NO	1.33	5.638	39.09	39.11	1.01	1.01	NO	135.8		0.399	135.8
84	84 PCB-111/115	3388.440	1.153	YES	1.60	5.638	39.26	39.26	1.01	1.01	NO	5.914		0.382	5.197
85	85 PCB-85/116	30621.979	1.626	NO	1.22	5.638	39.38	39.37	1.02	1.01	NO	70.38		0.438	70.38
86	86 PCB-120	1488.734	1.500	NO	1.68	5.638	39.65	39.65	1.02	1.02	NO	2.475		0.317	2.475
87	87 PCB-110	249701.289	1.531	NO	1.49	5.638	39.79	39.78	1.03	1.03	NO	469.6		0.358	469.6
88	88 PCB-82	15450.910	1.480	NO	0.674	5.638	40.41	40.43	0.98	0.98	NO	47.33		0.589	47.33
89	89 PCB-124	8928.837	1.388	NO	1.16	5.638	41.15	41.14	0.99	0.99	NO	15.86		0.342	15.86
90	90 PCB-107/109	17740.226	1.426	NO	1.17	5.638	41.29	41.31	1.00	1.00	NO	31.43		0.341	31.43
91	91 PCB-123	3613.357	1.097	YES	1.04	5.638	41.46	41.46	1.00	1.00	NO	7.171		0.382	6.156
92	92 PCB-106/118	201717.039	1.505	NO	1.07	5.638	41.66	41.64	1.00	1.00	NO	379.1		0.368	379.1
93	93 PCB-114	2817.379	2.248	YES	1.16	5.638	42.32	42.32	1.00	1.00	NO	7.569		0.741	5.967
94	94 PCB-122	1678.566	1.422	NO	0.973	5.638	42.45	42.47	1.00	1.00	NO	5.386		0.885	5.386
95	95 PCB-105	55047.457	1.576	NO	1.10	5.638	43.21	43.21	1.00	1.00	NO	149.3		0.754	149.3
96	96 PCB-127				1.11	5.638	43.57		1.00		YES			0.708	
97	97 PCB-126	1244.759	2.147	YES	1.21	5.638	45.52	45.54	1.00	1.00	NO	3.198		0.719	2.553
98	98 PCB-155				0.874	5.638	36.99		1.00		YES			0.268	
99	99 PCB-150	1070.991	1.441	YES	0.881	5.638	38.29	38.29	1.04	1.04	NO	2.854		0.265	2.619

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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	100 PCB-152	363.514	1.969	YES	1.00	5.638	38.78	38.80	1.05	1.05	NO	0.8493	0.293	0.6408	
101	101 PCB-145	200.609	1.130	NO	1.00	5.638	39.22	39.26	1.06	1.06	NO	0.4709	0.234	0.4709	
102	102 PCB-136	37753.836	1.239	NO	0.843	5.638	39.58	39.58	1.07	1.07	NO	105.1	0.277	105.1	
103	103 PCB-148	870.187	1.487	YES	0.693	5.638	39.69	39.69	1.07	1.07	NO	2.945	0.337	2.653	
104	104 PCB-154	5250.747	1.206	NO	0.724	5.638	40.18	40.19	1.09	1.09	NO	17.02	0.323	17.02	
105	105 PCB-151	56381.295	1.228	NO	0.632	5.638	40.85	40.86	1.11	1.11	NO	209.3	0.370	209.3	
106	106 PCB-135	29337.511	1.249	NO	0.716	5.638	41.08	41.08	1.11	1.11	NO	96.17	0.327	96.17	
107	107 PCB-144	9169.535	1.308	NO	0.667	5.638	41.18	41.20	1.11	1.11	NO	32.28	0.351	32.28	
108	108 PCB-147	4926.273	1.443	YES	0.661	5.638	41.31	41.33	1.12	1.12	NO	17.49	0.354	16.04	
109	109 PCB-139/149	200605.258	1.244	NO	0.738	5.638	41.59	41.59	1.13	1.12	NO	637.7	0.317	637.7	
110	110 PCB-140	1652.352	1.223	NO	0.627	5.638	41.78	41.79	1.13	1.13	NO	6.181	0.373	6.181	
111	111 PCB-134/143	7785.798	1.196	NO	0.733	5.638	42.27	42.26	0.97	0.97	NO	29.56	0.878	29.56	
112	112 PCB-131/133	5593.325	1.265	NO	0.790	5.638	42.56	42.56	0.98	0.98	NO	19.71	0.815	19.71	
113	113 PCB-142	427.765	0.635	YES	0.708	5.638	42.71	42.72	0.99	0.99	NO	1.682	0.940	1.180	
114	114 PCB-146/165	39367.240	1.122	NO	0.959	5.638	42.96	42.96	0.99	0.99	NO	114.3	0.671	114.3	
115	115 PCB-132/161	54199.211	1.159	NO	0.974	5.638	43.20	43.25	1.00	1.00	NO	154.9	0.661	154.9	
116	116 PCB-153	232199.696	1.186	NO	1.01	5.638	43.38	43.38	1.00	1.00	NO	638.9	0.637	638.9	
117	117 PCB-168				1.02	5.638	43.61		1.01		YES		0.632		
118	118 PCB-141	36892.756	1.203	NO	0.967	5.638	44.14	44.14	1.00	1.00	NO	128.1	0.806	128.1	
119	119 PCB-137	6534.955	1.222	NO	0.987	5.638	44.52	44.53	1.01	1.01	NO	22.23	0.790	22.23	
120	120 PCB-130	8917.113	1.230	NO	0.840	5.638	44.63	44.65	1.01	1.01	NO	35.65	0.928	35.65	
121	121 PCB-138/163/164	244807.906	1.190	NO	1.23	5.638	45.03	45.03	1.00	1.00	NO	653.9	0.619	653.9	
122	122 PCB-158/160	22284.353	1.166	NO	1.18	5.638	45.27	45.26	1.01	1.01	NO	61.96	0.645	61.96	
123	123 PCB-129	5138.254	1.104	NO	0.819	5.638	45.52	45.52	1.01	1.01	NO	20.55	0.927	20.55	
124	124 PCB-166	805.503	0.780	YES	1.07	5.638	46.00	45.99	0.99	0.99	NO	1.930	0.528	1.527	
125	125 PCB-159				1.12	5.638	46.33		1.00		YES		0.552		
126	126 PCB-128/162	29202.601	1.152	NO	0.851	5.638	46.62	46.62	1.01	1.01	NO	87.94	0.726	87.94	
127	127 PCB-167	9561.334	1.146	NO	1.04	5.638	47.04	47.04	1.00	1.00	NO	23.47	0.571	23.47	
128	128 PCB-156	20522.226	1.214	NO	1.06	5.638	48.36	48.36	1.00	1.00	NO	51.48	0.597	51.48	
129	129 PCB-157	4202.574	1.277	NO	0.978	5.638	48.67	48.65	1.00	1.00	NO	11.13	0.633	11.13	
130	130 PCB-169				1.11	5.638	50.92		1.00		YES		0.682		
131	131 PCB-188	489.810	0.835	YES	1.19	5.638	43.02	43.00	1.00	1.00	NO	1.400	0.487	0.9769	
132	132 PCB-184	469.321	0.567	YES	1.17	5.638	43.46	43.46	1.01	1.01	NO	1.078	0.498	0.7615	
133	133 PCB-179	51077.016	1.019	NO	1.18	5.638	44.27	44.25	1.03	1.03	NO	116.3	0.494	116.3	

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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	134 PCB-176	14026.210	1.063	NO	1.16	5.638	44.74	44.74	1.04	1.04	NO	32.41		0.501	32.41
135	135 PCB-186	257.679	2.253	YES	1.22	5.638	45.35	45.37	1.06	1.06	NO	0.5667		0.477	0.3572
136	136 PCB-178	19423.459	1.107	NO	0.830	5.638	45.86	45.88	1.07	1.07	NO	62.65		0.699	62.65
137	137 PCB-175	3239.977	0.973	NO	0.849	5.638	46.22	46.24	1.08	1.08	NO	10.23		0.684	10.23
138	138 PCB-182/187	124584.774	1.016	NO	0.960	5.638	46.42	46.39	1.08	1.08	NO	347.6		0.605	347.6
139	139 PCB-183	50795.371	1.027	NO	0.957	5.638	46.75	46.75	1.09	1.09	NO	142.3		0.607	142.3
140	140 PCB-185	11004.730	1.034	NO	1.32	5.638	47.43	47.43	0.95	0.95	NO	32.03		0.649	32.03
141	141 PCB-174	85653.344	1.039	NO	1.22	5.638	47.80	47.79	0.96	0.96	NO	269.9		0.702	269.9
142	142 PCB-181	2399.452	1.176	NO	1.41	5.638	47.90	47.89	0.96	0.96	NO	6.514		0.605	6.514
143	143 PCB-177	51052.285	1.026	NO	1.24	5.638	48.08	48.08	0.97	0.97	NO	158.0		0.690	158.0
144	144 PCB-171	21466.640	0.976	NO	1.24	5.638	48.37	48.38	0.97	0.97	NO	66.37		0.689	66.37
145	145 PCB-173	1873.348	1.288	YES	1.14	5.638	48.81	48.82	0.98	0.98	NO	6.303		0.760	5.647
146	146 PCB-172	14287.874	1.017	NO	1.31	5.638	49.29	49.29	0.99	0.99	NO	41.97		0.655	41.97
147	147 PCB-192				1.70	5.638	49.48		1.00		YES			0.503	
148	148 PCB-180	209275.094	1.025	NO	1.32	5.638	49.69	49.71	1.00	1.00	NO	608.8		0.648	608.8
149	149 PCB-193	12521.409	0.994	NO	1.54	5.638	49.92	49.92	1.00	1.00	NO	31.24		0.556	31.24
150	150 PCB-191	4269.491	1.183	NO	1.57	5.638	50.16	50.18	1.01	1.01	NO	10.42		0.544	10.42
151	151 PCB-170	69457.579	0.985	NO	1.36	5.638	51.36	51.36	1.00	1.00	NO	237.5		0.758	237.5
152	152 PCB-190	20331.682	0.974	NO	1.84	5.638	51.54	51.56	1.00	1.00	NO	51.36		0.560	51.36
153	153 PCB-189	3558.305	1.037	NO	1.33	5.638	53.10	53.10	1.00	1.00	NO	8.997		0.495	8.997
154	154 PCB-202	11824.128	0.911	NO	1.02	5.638	48.61	48.59	1.00	1.00	NO	30.38		0.207	30.38
155	155 PCB-201	7541.004	0.833	NO	0.915	5.638	49.10	49.08	1.01	1.01	NO	21.68		0.232	21.68
156	156 PCB-204	294.736	0.722	YES	0.979	5.638	49.24	49.23	1.01	1.01	NO	0.7922		0.247	0.7053
157	157 PCB-197	2428.401	0.865	NO	0.979	5.638	49.56	49.58	1.02	1.02	NO	6.527		0.217	6.527
158	158 PCB-200	6784.522	0.987	NO	0.954	5.638	50.51	50.50	1.04	1.04	NO	18.71		0.222	18.71
159	159 PCB-198	2314.718	0.862	NO	0.748	5.638	52.06	52.08	1.07	1.07	NO	8.140		0.283	8.140
160	160 PCB-199	40493.541	0.908	NO	0.706	5.638	52.18	52.19	1.07	1.07	NO	150.9		0.300	150.9
161	161 PCB-196/203	50470.473	0.879	NO	0.785	5.638	52.50	52.51	1.08	1.08	NO	169.2		0.270	169.2
162	162 PCB-195	11785.231	0.937	NO	1.03	5.638	53.82	53.80	0.98	0.98	NO	57.12		0.519	57.12
163	163 PCB-194	28225.714	0.870	NO	1.16	5.638	54.74	54.73	1.00	1.00	NO	122.3		0.464	122.3
164	164 PCB-205	1811.370	0.717	YES	1.40	5.638	55.00	55.00	1.01	1.01	NO	6.479		0.383	5.746
165	165 PCB-208	5929.583	1.396	NO	0.934	5.638	53.96	53.96	1.00	1.00	NO	22.84		0.259	22.84
166	166 PCB-207	2960.802	1.224	NO	0.912	5.638	54.28	54.29	1.01	1.01	NO	11.68		0.265	11.68
167	167 PCB-206	13541.476	1.302	NO	0.987	5.638	56.26	56.26	1.00	1.00	NO	78.46		0.383	78.46

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#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	168 PCB-209	19184.521	1.144	NO	0.943	5.638	57.48	57.50	1.00	1.00	NO	97.48		0.177	97.48
169	169 13C-PCB-1	709689.204	3.017	NO	1.08	5.638	15.53	15.52	0.61	0.61	NO	1156	65.2	2.33	
170	170 13C-PCB-3	821837.688	2.990	NO	1.09	5.638	18.17	18.16	0.71	0.71	NO	1322	74.5	2.30	
171	171 13C-PCB-4	479227.547	1.575	NO	0.640	5.638	19.53	19.52	0.77	0.76	NO	1314	74.1	0.765	
172	172 13C-PCB-9	796715.125	1.553	NO	0.995	5.638	21.36	21.34	0.84	0.84	NO	1404	79.2	0.492	
173	173 13C-PCB-11	821612.969	1.564	NO	0.971	5.638	24.81	24.82	0.97	0.97	NO	1484	83.7	0.504	
174	174 13C-PCB-19	587184.563	0.980	NO	0.637	5.638	23.77	23.76	0.93	0.93	NO	1617	91.2	7.90	
175	175 13C-PCB-32	916098.844	0.973	NO	0.910	5.638	26.76	26.75	1.05	1.05	NO	1767	99.6	5.54	
176	176 13C-PCB-28	725870.656	0.950	NO	1.07	5.638	28.76	28.76	1.00	1.00	NO	1362	76.8	5.82	
177	177 13C-PCB-37	730194.407	0.929	NO	0.959	5.638	32.74	32.77	1.14	1.14	NO	1527	86.1	6.48	
178	178 13C-PCB-54	691451.657	0.740	NO	1.10	5.638	27.60	27.59	0.75	0.75	NO	1095	61.8	1.32	
179	179 13C-PCB-52	580065.438	0.715	NO	0.844	5.638	31.26	31.26	0.85	0.85	NO	1196	67.4	1.72	
180	180 13C-PCB-47	650305.906	0.735	NO	0.893	5.638	31.78	31.78	0.87	0.87	NO	1267	71.4	1.63	
181	181 13C-PCB-70	728627.688	0.749	NO	1.01	5.638	35.41	35.41	0.97	0.97	NO	1258	70.9	1.44	
182	182 13C-PCB-80	814147.844	0.760	NO	1.05	5.638	35.84	35.84	0.98	0.98	NO	1355	76.4	1.39	
183	183 13C-PCB-81	848014.688	0.728	NO	0.985	5.638	39.04	39.04	1.06	1.06	NO	1498	84.5	1.47	
184	184 13C-PCB-77	828848.750	0.752	NO	0.958	5.638	39.65	39.65	1.08	1.08	NO	1505	84.8	1.52	
185	185 13C-PCB-104	810507.313	1.537	NO	1.10	5.638	32.45	32.45	0.83	0.83	NO	1262	71.1	0.410	
186	186 13C-PCB-95	668699.250	1.574	NO	0.852	5.638	35.70	35.71	0.91	0.91	NO	1340	75.6	0.528	
187	187 13C-PCB-101	693142.656	1.549	NO	0.814	5.638	37.44	37.46	0.95	0.95	NO	1455	82.0	0.553	
188	188 13C-PCB-97	634731.000	1.580	NO	0.709	5.638	38.79	38.79	0.99	0.99	NO	1528	86.1	0.635	
189	189 13C-PCB-123	858439.782	1.572	NO	0.922	5.638	41.44	41.44	1.06	1.06	NO	1590	89.7	0.488	
190	190 13C-PCB-118	881925.563	1.574	NO	0.975	5.638	41.62	41.62	1.06	1.06	NO	1545	87.1	0.462	
191	191 13C-PCB-114	568340.250	1.518	NO	1.52	5.638	42.30	42.30	0.91	0.91	NO	1162	65.5	1.01	
192	192 13C-PCB-105	593995.266	1.484	NO	1.58	5.638	43.19	43.19	0.93	0.93	NO	1165	65.7	0.966	
193	193 13C-PCB-127	623855.594	1.487	NO	1.62	5.638	43.53	43.55	0.93	0.93	NO	1195	67.4	0.944	
194	194 13C-PCB-126	580258.906	1.512	NO	1.45	5.638	45.50	45.50	0.98	0.98	NO	1247	70.3	1.06	
195	195 13C-PCB-155	755765.375	1.296	NO	1.03	5.638	36.99	36.97	0.94	0.94	NO	1258	70.9	0.203	
196	196 13C-PCB-153	636953.063	1.233	NO	1.42	5.638	43.37	43.36	0.93	0.93	NO	1390	78.4	1.00	
197	197 13C-PCB-141	528102.844	1.216	NO	1.14	5.638	44.12	44.12	0.95	0.95	NO	1436	80.9	1.25	
198	198 13C-PCB-138	541421.828	1.240	NO	1.18	5.638	45.00	44.99	0.97	0.97	NO	1425	80.4	1.21	
199	199 13C-PCB-159	692405.719	1.251	NO	1.43	5.638	46.31	46.32	0.99	0.99	NO	1501	84.6	0.993	
200	200 13C-PCB-167	692986.844	1.227	NO	1.42	5.638	47.03	47.02	1.01	1.01	NO	1512	85.2	0.999	
201	201 13C-PCB-156	668972.938	1.260	NO	1.40	5.638	48.33	48.34	1.04	1.04	NO	1487	83.8	1.02	

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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

#	Name	Abs.Resp	RA	n/y	RRF	wt.vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	202 13C-PCB-157	685156.750	1.277	NO	1.41	5.638	48.63	48.63	1.04	1.04	NO	1513	85.3	1.01	
203	203 13C-PCB-169	588928.876	1.260	NO	1.35	5.638	50.90	50.90	1.09	1.09	NO	1359	76.6	1.06	
204	204 13C-PCB-188	662107.500	0.447	NO	1.46	5.638	43.00	42.98	0.93	0.93	NO	1407	79.3	0.681	
205	205 13C-PCB-180	461865.922	0.455	NO	0.932	5.638	49.67	49.67	1.07	1.07	NO	1540	86.9	1.07	
206	206 13C-PCB-170	381117.672	0.442	NO	0.796	5.638	51.34	51.34	1.11	1.11	NO	1489	83.9	1.25	
207	207 13C-PCB-189	526377.719	0.445	NO	1.09	5.638	53.05	53.08	1.14	1.14	NO	1501	84.6	0.913	
208	208 13C-PCB-202	674046.281	0.911	NO	1.45	5.638	48.56	48.57	1.04	1.04	NO	1444	81.4	0.395	
209	209 13C-PCB-194	354086.813	0.895	NO	0.714	5.638	54.71	54.72	1.00	1.00	NO	1801	102	1.48	
210	210 13C-PCB-208	492843.141	0.764	NO	0.896	5.638	53.96	53.94	0.98	0.98	NO	1996	113	1.36	
211	211 13C-PCB-206	309987.578	0.797	NO	0.653	5.638	56.22	56.24	1.02	1.02	NO	1724	97.2	1.86	
212	212 13C-PCB-209	370317.329	1.188	NO	0.806	5.638	57.48	57.48	1.05	1.05	NO	1668	94.1	0.292	
213	213 13C-PCB-15	1010857.7...	1.582	NO	1.00	5.638	25.49	25.52	1.00	0.00	NO	1774	100	0.490	
214	214 13C-PCB-31	884185.907	0.935	NO	1.00	5.638	28.64	28.65	1.00	0.00	NO	1774	100	6.22	
215	215 13C-PCB-60	1019314.3...	0.731	NO	1.00	5.638	36.66	36.67	1.00	0.00	NO	1774	100	1.45	
216	216 13C-PCB-111	1038757.1...	1.567	NO	1.00	5.638	39.22	39.24	1.00	0.00	NO	1774	100	0.450	
217	217 13C-PCB-128	570940.984	1.207	NO	1.00	5.638	46.58	46.60	1.00	0.00	NO	1774	100	1.42	
218	218 13C-PCB-182	570623.657	0.437	NO	1.00	5.638	46.41	46.41	0.00	0.00	NO	1774	100	0.996	
219	219 13C-PCB-205	488750.422	0.898	NO	1.00	5.638	54.98	54.98	1.00	0.00	NO	1774	100	1.06	
220	220 13C-PCB-79	932905.094	0.725	NO	1.03	5.638	37.77	37.77	1.03	1.03	NO	1573	88.7	1.41	
221	221 13C-PCB-178	480546.516	0.431	NO	0.875	5.638	45.86	45.86	0.99	0.99	NO	1707	96.2	1.18	
222	222 13C-PCB-79	932905.094	0.725	NO	1.05	5.638	37.77	37.77	0.97	0.97	NO	1866	105	1.70	
223	223 13C-PCB-178	480546.516	0.431	NO	0.975	5.638	45.88	45.86	0.92	0.92	NO	1893	107	1.30	
224	224 Total Mono-PCBs				1.01	5.638	0.00		0.00		NO	20.25		0.995	26.58
225	225 Total Di-PCBs				1.06	5.638	0.00		0.00		NO	137.4		14.6	187.2
226	226 2nd Function Tri-PCBs				0.914	5.638	0.00		0.00		NO	180.9	> 681.4 ✓	2.53	699.7 ✓ 180.9
227	227 3rd Function Tri-PCBs				1.06	5.638	0.00		0.00		NO	500.5		9.08	518.8
228	228 Total Tetra-PCBs				0.986	5.638	0.00		0.00		NO	2129		18.2	2141
229	229 3rd Function Penta-PCBs				1.12	5.638	0.00		0.00		NO	2652	> 2806.7 ✓	13.0	2829.2 ✓ 2666
230	230 4th Function Penta-PCBs				1.11	5.638	0.00		0.00		NO	154.7		3.81	163.2
231	231 3rd Function Hexa-PCBs				0.774	5.638	0.00		0.00		NO	1104	> 3158 ✓	4.03	3182 ✓ 1126
232	232 4th Function Hexa-PCBs				0.972	5.638	0.00		0.00		NO	2054		14.3	2056
233	233 Total Hepta-PCBs				1.26	5.638	0.00		0.00		NO	2235		13.9	2242
234	234 4th Function Octa-PCBs				0.886	5.638	0.00		0.00		NO	405.6	> 585 ✓	1.95	591.5 ✓ 406.3
235	235 5th Function Octa-PCBs				1.20	5.638	0.00		0.00		NO	179.4		1.36	185.2

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#	Name	Abs.Resp	RA	n/y	RRF	wt./vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	236 Total Nona-PCBs				0.945	5.638	0.00		0.00		NO	113.0		0.907	113.0
237	237 Deca-CB				0.943	5.638	0.00		0.00		NO	97.48		0.177	97.48

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48
 Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

Total Mono-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	3 PCB-3	3.15e3	8.22e5	2.463	YES	18.17	18.18	0.0000	6.326
2	2 PCB-2	6.39e3	8.22e5	2.821	NO	17.94	17.94	13.68	13.68
3	1 PCB-1	2.69e3	7.10e5	2.720	NO	15.53	15.53	6.578	6.578

Total Di-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	11 PCB-15	2.54e4	8.22e5	1.319	YES	25.57	25.54	0.0000	49.82
2	9 PCB-11	3.31e4	8.22e5	1.448	NO	24.84	24.84	65.24	65.24
3	7 PCB-5/8	1.99e4	7.97e5	1.376	NO	22.46	22.45	43.72	43.72
4	6 PCB-6	4.20e3	7.97e5	1.358	NO	22.05	22.04	9.193	9.193
5	4 PCB-4/10	6.64e3	4.79e5	1.683	NO	19.60	19.53	19.26	19.26

2nd Function Tri-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	17 PCB-16/32	2.32e4	9.16e5	0.912	NO	26.77	26.76	56.78	56.78
2	16 PCB-24/27	4.42e3	9.16e5	0.962	NO	26.24	26.21	9.366	9.366
3	15 PCB-17	1.27e4	9.16e5	0.986	NO	25.63	25.63	36.97	36.97
4	14 PCB-18	1.98e4	9.16e5	0.992	NO	25.47	25.47	55.29	55.29
5	12 PCB-19	6.96e3	5.87e5	0.901	NO	23.79	23.78	22.49	22.49

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3rd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1	31 PCB-37	2.69e4	7.30e5	1.035	NO	32.80	32.78	59.03	59.03
2	30 PCB-35	1.81e3	7.30e5	1.517	YES	32.35	32.36	0.0000	3.146
3	26 PCB-22	2.01e4	7.26e5	1.025	NO	29.88	29.86	47.62	47.62
4	25 PCB-20/21/33	3.07e4	7.26e5	1.059	NO	29.41	29.43	74.65	74.65
5	24 PCB-28	7.16e4	7.26e5	1.061	NO	28.78	28.78	158.2	158.2
6	23 PCB-31	6.06e4	7.26e5	1.045	NO	28.70	28.67	131.9	131.9
7	22 PCB-25	6.77e3	7.26e5	0.839	YES	28.33	28.32	0.0000	15.15
8	21 PCB-26	1.19e4	7.26e5	1.067	NO	28.16	28.15	29.16	29.16

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Total Tetra-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 PCB-47	3.44e4	6.50e5	0.754	NO	31.80	31.82	107.9	107.9
2	40 PCB-43/49	6.47e4	5.80e5	0.714	NO	31.58	31.59	210.5	210.5
3	38 PCB-52/69	9.69e4	5.80e5	0.704	NO	31.30	31.28	271.3	271.3
4	37 PCB-46	3.83e3	5.80e5	0.803	NO	30.79	30.79	15.55	15.55
5	36 PCB-45	8.13e3	5.80e5	0.803	NO	30.29	30.29	30.77	30.77
6	35 PCB-51	6.74e3	5.80e5	0.707	NO	29.84	29.84	20.14	20.14
7	34 PCB-53	1.35e4	5.80e5	0.706	NO	29.49	29.49	43.36	43.36
8	33 PCB-50	4.43e2	6.91e5	0.381	YES	28.81	28.82	0.0000	0.9218
9	32 PCB-54	1.71e3	6.91e5	0.688	NO	27.61	27.61	4.415	4.415
10	59 PCB-56/60	6.87e4	8.14e5	0.703	NO	36.68	36.69	160.2	160.2
11	58 PCB-55	1.68e3	8.14e5	0.707	NO	36.18	36.17	3.433	3.433
12	56 PCB-76/66	1.15e5	7.29e5	0.704	NO	35.59	35.63	263.4	263.4
13	55 PCB-61/70	1.15e5	7.29e5	0.716	NO	35.43	35.43	284.6	284.6
14	54 PCB-74	4.34e4	7.29e5	0.732	NO	35.21	35.20	99.08	99.08
15	53 PCB-63	4.59e3	7.29e5	0.618	YES	34.92	34.92	0.0000	10.20
16	52 PCB-58	6.67e2	7.29e5	0.668	NO	34.77	34.74	1.459	1.459
17	51 PCB-67	2.85e3	7.29e5	0.720	NO	34.64	34.65	6.995	6.995
18	50 PCB-57	7.10e2	7.29e5	0.826	NO	34.31	34.33	1.648	1.648
19	49 PCB-40	9.10e3	6.50e5	0.732	NO	33.95	33.94	43.05	43.05
20	48 PCB-68	1.98e3	6.50e5	0.760	NO	33.72	33.73	4.860	4.860
21	47 PCB-41/64/71/72	8.00e4	6.50e5	0.738	NO	33.46	33.46	201.7	201.7
22	46 PCB-42/59	2.54e4	6.50e5	0.702	NO	32.84	32.86	72.15	72.15
23	45 PCB-44	5.81e4	6.50e5	0.726	NO	32.63	32.64	208.2	208.2
24	42 PCB-48/75	1.26e4	6.50e5	0.675	NO	31.91	31.93	33.52	33.52
25	63 PCB-77	1.52e4	8.29e5	0.785	NO	39.67	39.67	31.44	31.44
26	62 PCB-81	1.57e3	8.48e5	0.857	NO	39.06	39.11	3.514	3.514
27	61 PCB-78	5.28e2	8.48e5	1.507	YES	38.52	38.46	0.0000	0.7553
28	60 PCB-79	2.91e3	8.14e5	0.716	NO	37.80	37.81	6.075	6.075

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3rd Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	78 PCB-119	7.98e3	6.35e5	1.425	NO	38.29	38.27	15.16	15.16
2	77 PCB-99	9.02e4	6.93e5	1.488	NO	37.82	37.81	206.3	206.3
3	75 PCB-90/101	1.87e5	6.93e5	1.524	NO	37.47	37.47	506.9	506.9
4	74 PCB-89	2.07e3	6.93e5	1.429	NO	37.30	37.27	5.519	5.519
5	73 PCB-84/92	6.76e4	6.93e5	1.478	NO	37.09	37.08	196.8	196.8
6	71 PCB-88/91	2.81e4	6.69e5	1.565	NO	36.13	36.13	83.86	83.86
7	69 PCB-95/98/102	1.24e5	6.69e5	1.481	NO	35.66	35.72	325.2	325.2
8	68 PCB-94	1.18e3	6.69e5	1.651	NO	35.19	35.19	4.054	4.054
9	67 PCB-100	3.31e3	8.11e5	1.436	NO	34.70	34.70	9.311	9.311
10	66 PCB-103	3.68e3	8.11e5	1.523	NO	34.33	34.33	10.41	10.41
11	65 PCB-96	2.33e3	8.11e5	1.393	NO	33.76	33.75	5.115	5.115
12	64 PCB-104	1.13e3	8.11e5	1.078	YES	32.47	32.45	0.0000	2.113
13	91 PCB-123	3.61e3	8.58e5	1.097	YES	41.46	41.46	0.0000	6.156
14	90 PCB-107/109	1.77e4	8.58e5	1.426	NO	41.29	41.31	31.43	31.43
15	89 PCB-124	8.93e3	8.58e5	1.388	NO	41.15	41.14	15.86	15.86
16	88 PCB-82	1.55e4	8.58e5	1.480	NO	40.41	40.43	47.33	47.33
17	87 PCB-110	2.50e5	6.35e5	1.531	NO	39.79	39.78	469.6	469.6
18	86 PCB-120	1.49e3	6.35e5	1.500	NO	39.65	39.65	2.475	2.475
19	85 PCB-85/116	3.06e4	6.35e5	1.626	NO	39.38	39.37	70.38	70.38
20	84 PCB-111/115	3.39e3	6.35e5	1.153	YES	39.26	39.26	0.0000	5.197
21	83 PCB-87/117/125	6.48e4	6.35e5	1.485	NO	39.09	39.11	135.8	135.8
22	81 PCB-97	4.37e4	6.35e5	1.498	NO	38.83	38.81	113.5	113.5
23	79 PCB-108/112	7.75e3	6.35e5	1.462	NO	38.45	38.46	17.33	17.33
24	92 PCB-106/118	2.02e5	8.82e5	1.505	NO	41.66	41.64	379.1	379.1
25	82 PCB-86	5.84e2	6.35e5	1.227	YES	38.98	38.98	0.0000	1.481

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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

4th Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	93 PCB-114	2.82e3	5.68e5	2.248	YES	42.32	42.32	0.0000	5.967
2	97 PCB-126	1.24e3	5.80e5	2.147	YES	45.52	45.54	0.0000	2.553
3	95 PCB-105	5.50e4	5.94e5	1.576	NO	43.21	43.21	149.3	149.3
4	94 PCB-122	1.68e3	5.68e5	1.422	NO	42.45	42.47	5.386	5.386

3rd Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	110 PCB-140	1.65e3	7.56e5	1.223	NO	41.78	41.79	6.181	6.181
2	109 PCB-139/149	2.01e5	7.56e5	1.244	NO	41.59	41.59	637.7	637.7
3	108 PCB-147	4.93e3	7.56e5	1.443	YES	41.31	41.33	0.0000	16.04
4	107 PCB-144	9.17e3	7.56e5	1.308	NO	41.18	41.20	32.28	32.28
5	106 PCB-135	2.93e4	7.56e5	1.249	NO	41.08	41.08	96.17	96.17
6	105 PCB-151	5.64e4	7.56e5	1.228	NO	40.85	40.86	209.3	209.3
7	104 PCB-154	5.25e3	7.56e5	1.206	NO	40.18	40.19	17.02	17.02
8	103 PCB-148	8.70e2	7.56e5	1.487	YES	39.69	39.69	0.0000	2.653
9	102 PCB-136	3.78e4	7.56e5	1.239	NO	39.58	39.58	105.1	105.1
10	101 PCB-145	2.01e2	7.56e5	1.130	NO	39.22	39.26	0.4709	0.4709
11	100 PCB-152	3.64e2	7.56e5	1.969	YES	38.78	38.80	0.0000	0.6408
12	99 PCB-150	1.07e3	7.56e5	1.441	YES	38.29	38.29	0.0000	2.619

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4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	121 PCB-138/163/164	2.45e5	5.41e5	1.190	NO	45.03	45.03	653.9	653.9
2	120 PCB-130	8.92e3	5.28e5	1.230	NO	44.63	44.65	35.65	35.65
3	119 PCB-137	6.53e3	5.28e5	1.222	NO	44.52	44.53	22.23	22.23
4	118 PCB-141	3.69e4	5.28e5	1.203	NO	44.14	44.14	128.1	128.1
5	116 PCB-153	2.32e5	6.37e5	1.186	NO	43.38	43.38	638.9	638.9
6	115 PCB-132/161	5.42e4	6.37e5	1.159	NO	43.20	43.25	154.9	154.9
7	114 PCB-146/165	3.94e4	6.37e5	1.122	NO	42.96	42.96	114.3	114.3
8	113 PCB-142	4.28e2	6.37e5	0.635	YES	42.71	42.72	0.0000	1.180
9	112 PCB-131/133	5.59e3	6.37e5	1.265	NO	42.56	42.56	19.71	19.71
10	111 PCB-134/143	7.79e3	6.37e5	1.196	NO	42.27	42.26	29.56	29.56
11	129 PCB-157	4.20e3	6.85e5	1.277	NO	48.67	48.65	11.13	11.13
12	128 PCB-156	2.05e4	6.69e5	1.214	NO	48.36	48.36	51.48	51.48
13	127 PCB-167	9.56e3	6.93e5	1.146	NO	47.04	47.04	23.47	23.47
14	126 PCB-128/162	2.92e4	6.92e5	1.152	NO	46.62	46.62	87.94	87.94
15	124 PCB-166	8.06e2	6.92e5	0.780	YES	46.00	45.99	0.0000	1.527
16	123 PCB-129	5.14e3	5.41e5	1.104	NO	45.52	45.52	20.55	20.55
17	122 PCB-158/160	2.23e4	5.41e5	1.166	NO	45.27	45.26	61.96	61.96

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Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	141 PCB-174	8.57e4	4.62e5	1.039	NO	47.80	47.79	269.9	269.9
2	140 PCB-185	1.10e4	4.62e5	1.034	NO	47.43	47.43	32.03	32.03
3	139 PCB-183	5.08e4	6.62e5	1.027	NO	46.75	46.75	142.3	142.3
4	138 PCB-182/187	1.25e5	6.62e5	1.016	NO	46.42	46.39	347.6	347.6
5	137 PCB-175	3.24e3	6.62e5	0.973	NO	46.22	46.24	10.23	10.23
6	136 PCB-178	1.94e4	6.62e5	1.107	NO	45.86	45.88	62.65	62.65
7	135 PCB-186	2.58e2	6.62e5	2.253	YES	45.35	45.37	0.0000	0.3572
8	134 PCB-176	1.40e4	6.62e5	1.063	NO	44.74	44.74	32.41	32.41
9	133 PCB-179	5.11e4	6.62e5	1.019	NO	44.27	44.25	116.3	116.3
10	132 PCB-184	4.69e2	6.62e5	0.567	YES	43.46	43.46	0.0000	0.7615
11	131 PCB-188	4.90e2	6.62e5	0.835	YES	43.02	43.00	0.0000	0.9769
12	152 PCB-190	2.03e4	3.81e5	0.974	NO	51.54	51.56	51.36	51.36
13	151 PCB-170	6.95e4	3.81e5	0.985	NO	51.36	51.36	237.5	237.5
14	150 PCB-191	4.27e3	4.62e5	1.183	NO	50.16	50.18	10.42	10.42
15	149 PCB-193	1.25e4	4.62e5	0.994	NO	49.92	49.92	31.24	31.24
16	148 PCB-180	2.09e5	4.62e5	1.025	NO	49.69	49.71	608.8	608.8
17	146 PCB-172	1.43e4	4.62e5	1.017	NO	49.29	49.29	41.97	41.97
18	145 PCB-173	1.87e3	4.62e5	1.288	YES	48.81	48.82	0.0000	5.647
19	144 PCB-171	2.15e4	4.62e5	0.976	NO	48.37	48.38	66.37	66.37
20	143 PCB-177	5.11e4	4.62e5	1.026	NO	48.08	48.08	158.0	158.0
21	153 PCB-189	3.56e3	5.26e5	1.037	NO	53.10	53.10	8.997	8.997
22	142 PCB-181	2.40e3	4.62e5	1.176	NO	47.90	47.89	6.514	6.514

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4th Function Octa-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	161 PCB-196/203	5.05e4	6.74e5	0.879	NO	52.50	52.51	169.2	169.2
2	160 PCB-199	4.05e4	6.74e5	0.908	NO	52.18	52.19	150.9	150.9
3	159 PCB-198	2.31e3	6.74e5	0.862	NO	52.06	52.08	8.140	8.140
4	158 PCB-200	6.78e3	6.74e5	0.987	NO	50.51	50.50	18.71	18.71
5	157 PCB-197	2.43e3	6.74e5	0.865	NO	49.56	49.58	6.527	6.527
6	156 PCB-204	2.95e2	6.74e5	0.722	YES	49.24	49.23	0.0000	0.7053
7	155 PCB-201	7.54e3	6.74e5	0.833	NO	49.10	49.08	21.68	21.68
8	154 PCB-202	1.18e4	6.74e5	0.911	NO	48.61	48.59	30.38	30.38

5th Function Octa-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	162 PCB-195	1.18e4	3.54e5	0.937	NO	53.82	53.80	57.12	57.12
2	164 PCB-205	1.81e3	3.54e5	0.717	YES	55.00	55.00	0.0000	5.746
3	163 PCB-194	2.82e4	3.54e5	0.870	NO	54.74	54.73	122.3	122.3

Total Nona-PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	167 PCB-206	1.35e4	3.10e5	1.302	NO	56.26	56.26	78.46	78.46
2	166 PCB-207	2.96e3	4.93e5	1.224	NO	54.28	54.29	11.68	11.68
3	165 PCB-208	5.93e3	4.93e5	1.396	NO	53.96	53.96	22.84	22.84

Deca-CB

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1	168 PCB-209	1.92e4	3.70e5	1.144	NO	57.48	57.50	97.48	97.48

Total PCBs

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1									

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Total Mono-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	170 13C-PCB-3	8.22e5	1.01e6	2.990	NO	18.17	18.16	1322	
2	169 13C-PCB-1	7.10e5	1.01e6	3.017	NO	15.53	15.52	1156	

Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	213 13C-PCB-15	1.01e6	1.01e6	1.582	NO	25.49	25.52	1774	
2	173 13C-PCB-11	8.22e5	1.01e6	1.564	NO	24.81	24.82	1484	
3	172 13C-PCB-9	7.97e5	1.01e6	1.553	NO	21.36	21.34	1404	
4	171 13C-PCB-4	4.79e5	1.01e6	1.575	NO	19.53	19.52	1314	

2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	175 13C-PCB-32	9.16e5	1.01e6	0.973	NO	26.76	26.75	1767	
2	174 13C-PCB-19	5.87e5	1.01e6	0.980	NO	23.77	23.76	1617	

3rd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	177 13C-PCB-37	7.30e5	8.84e5	0.929	NO	32.74	32.77	1527	
2	176 13C-PCB-28	7.26e5	8.84e5	0.950	NO	28.76	28.76	1362	
3	214 13C-PCB-31	8.84e5	8.84e5	0.935	NO	28.64	28.65	1774	

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Tetra-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	178 13C-PCB-54	6.91e5	1.02e6	0.740	NO	27.60	27.59	1095	
2	215 13C-PCB-60	1.02e6	1.02e6	0.731	NO	36.66	36.67	1774	
3	182 13C-PCB-80	8.14e5	1.02e6	0.760	NO	35.84	35.84	1355	
4	181 13C-PCB-70	7.29e5	1.02e6	0.749	NO	35.41	35.41	1258	
5	180 13C-PCB-47	6.50e5	1.02e6	0.735	NO	31.78	31.78	1267	
6	179 13C-PCB-52	5.80e5	1.02e6	0.715	NO	31.26	31.26	1196	
7	184 13C-PCB-77	8.29e5	1.02e6	0.752	NO	39.65	39.65	1505	
8	183 13C-PCB-81	8.48e5	1.02e6	0.728	NO	39.04	39.04	1498	
9	220 13C-PCB-79	9.33e5	1.02e6	0.725	NO	37.77	37.77	1573	

3rd Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	187 13C-PCB-101	6.93e5	1.04e6	1.549	NO	37.44	37.46	1455	
2	186 13C-PCB-95	6.69e5	1.04e6	1.574	NO	35.70	35.71	1340	
3	185 13C-PCB-104	8.11e5	1.04e6	1.537	NO	32.45	32.45	1262	
4	190 13C-PCB-118	8.82e5	1.04e6	1.574	NO	41.62	41.62	1545	
5	189 13C-PCB-123	8.58e5	1.04e6	1.572	NO	41.44	41.44	1590	
6	216 13C-PCB-111	1.04e6	1.04e6	1.567	NO	39.22	39.24	1774	
7	188 13C-PCB-97	6.35e5	1.04e6	1.580	NO	38.79	38.79	1528	

4th Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	194 13C-PCB-126	5.80e5	5.71e5	1.512	NO	45.50	45.50	1247	
2	193 13C-PCB-127	6.24e5	5.71e5	1.487	NO	43.53	43.55	1195	
3	192 13C-PCB-105	5.94e5	5.71e5	1.484	NO	43.19	43.19	1165	
4	191 13C-PCB-114	5.68e5	5.71e5	1.518	NO	42.30	42.30	1162	

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4th Function Hexa-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	197 13C-PCB-141	5.28e5	5.71e5	1.216	NO	44.12	44.12	1436	
2	196 13C-PCB-153	6.37e5	5.71e5	1.233	NO	43.37	43.36	1390	
3	203 13C-PCB-169	5.89e5	5.71e5	1.260	NO	50.90	50.90	1359	
4	202 13C-PCB-157	6.85e5	5.71e5	1.277	NO	48.63	48.63	1513	
5	201 13C-PCB-156	6.69e5	5.71e5	1.260	NO	48.33	48.34	1487	
6	200 13C-PCB-167	6.93e5	5.71e5	1.227	NO	47.03	47.02	1512	
7	217 13C-PCB-128	5.71e5	5.71e5	1.207	NO	46.58	46.60	1774	
8	199 13C-PCB-159	6.92e5	5.71e5	1.251	NO	46.31	46.32	1501	
9	198 13C-PCB-138	5.41e5	5.71e5	1.240	NO	45.00	44.99	1425	

5th Function Octa-Isotopes

	# Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	219 13C-PCB-205	4.89e5	4.89e5	0.898	NO	54.98	54.98	1774	
2	209 13C-PCB-194	3.54e5	4.89e5	0.895	NO	54.71	54.72	1801	

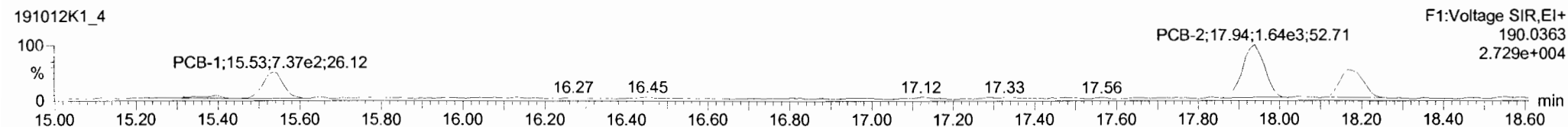
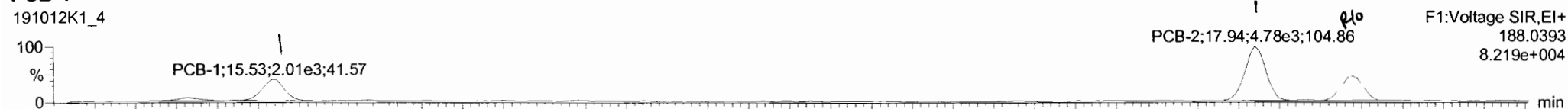
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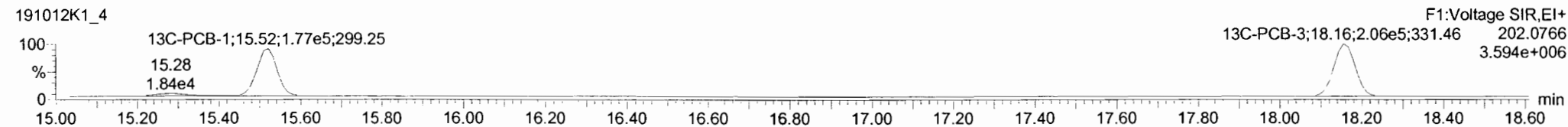
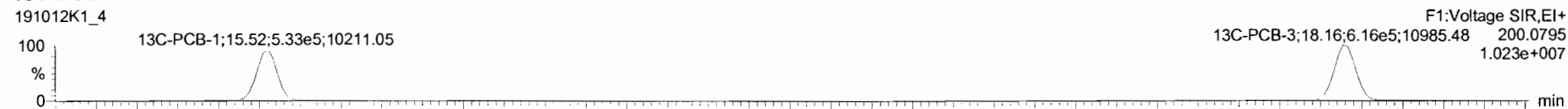
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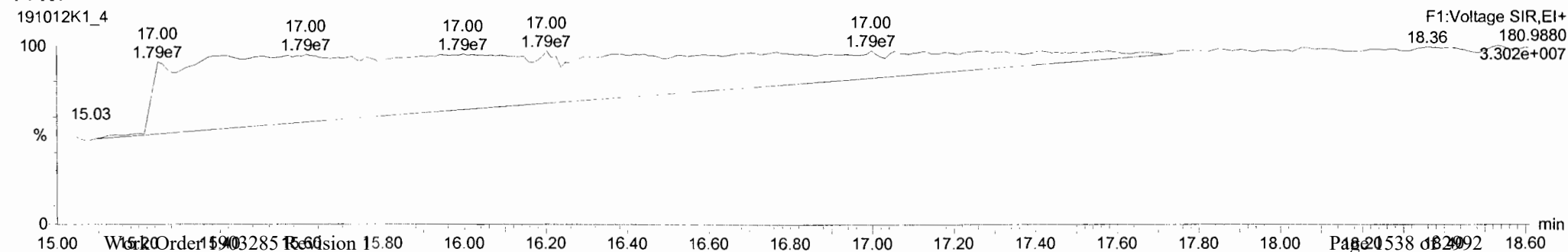
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13C-PCB-1



PFK1

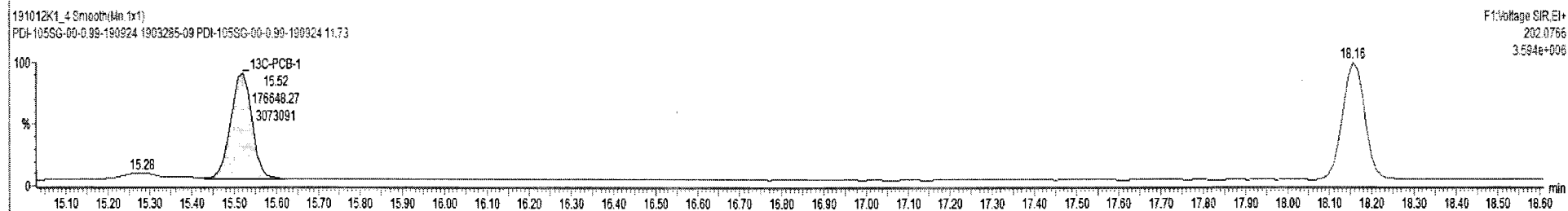
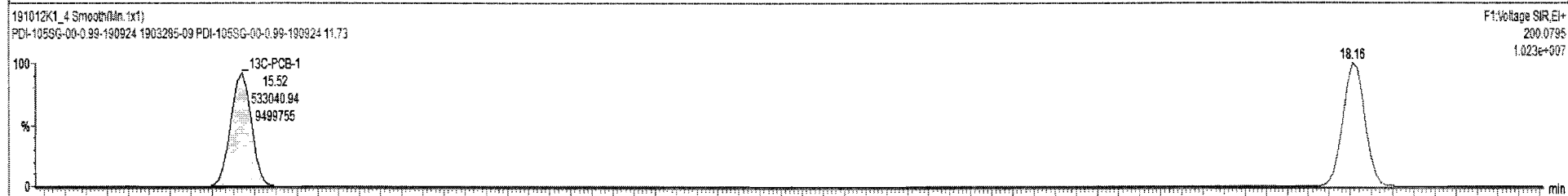
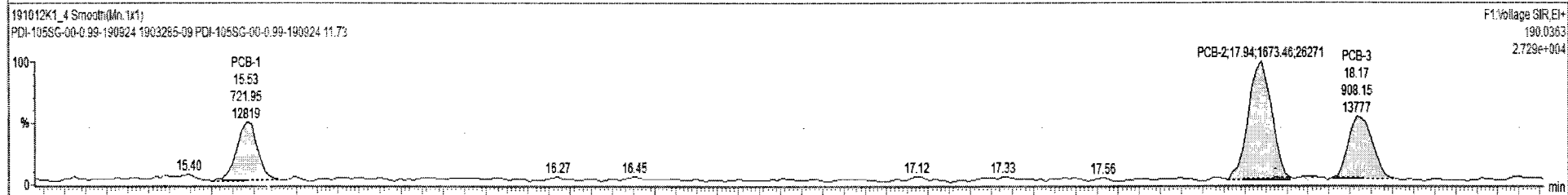
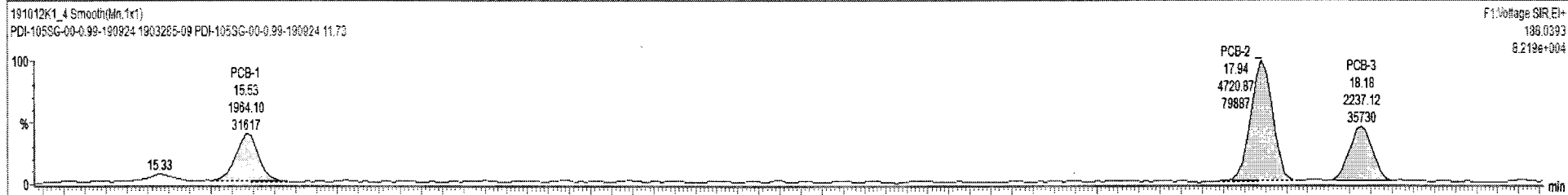




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wrtvol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.638	0.00		0.000		NO	20.25		0.995	26.58
225	225 Total Di-PCBs				1.0592	5.638	0.00		0.000		NO	171.6		14.6	187.1
226	226 2nd Function Tri-PCBs				0.9137	5.638	0.00		0.000		NO	180.9		2.53	180.9

#	Name	Pred RT	RT	m1 Resp	m2 Resp	r* Ratio (Pred)	RA	n/y	EMPC	Conc
1	1 PCB-1	15.53	15.53	1.964e3	7.229e2	3.130	2.72	NO	6.5776	6.5776
2	2 PCB-2	17.94	17.94	4.721e3	1.673e3	3.130	2.82	NO	13.876	13.876
3	3 PCB-3	18.17	18.18	2.237e3	9.082e2	3.130	2.46	YES	6.3265	0.00000

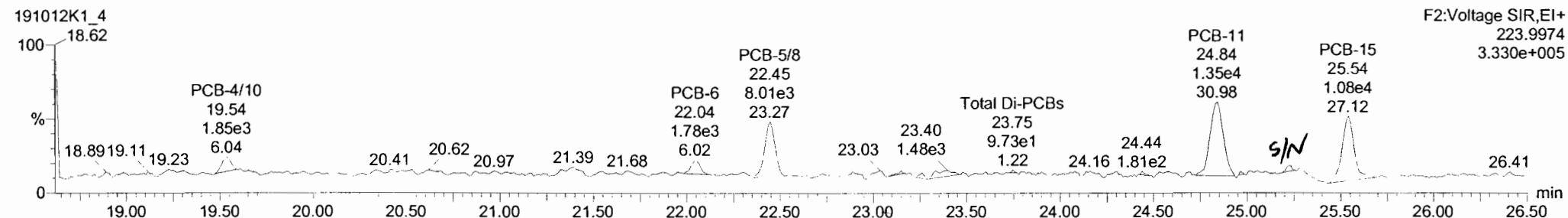
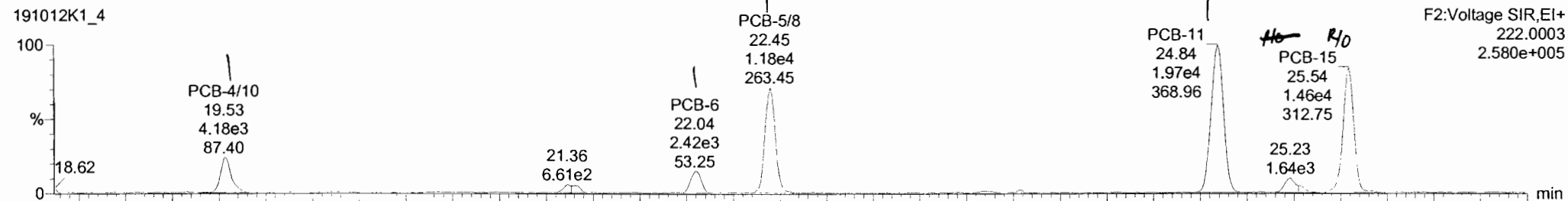


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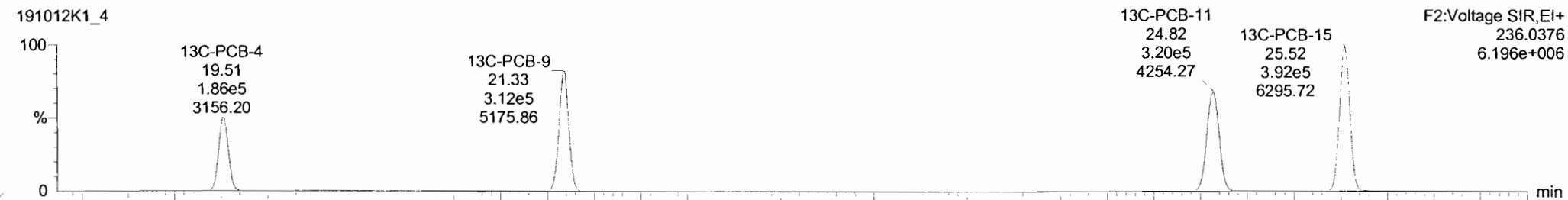
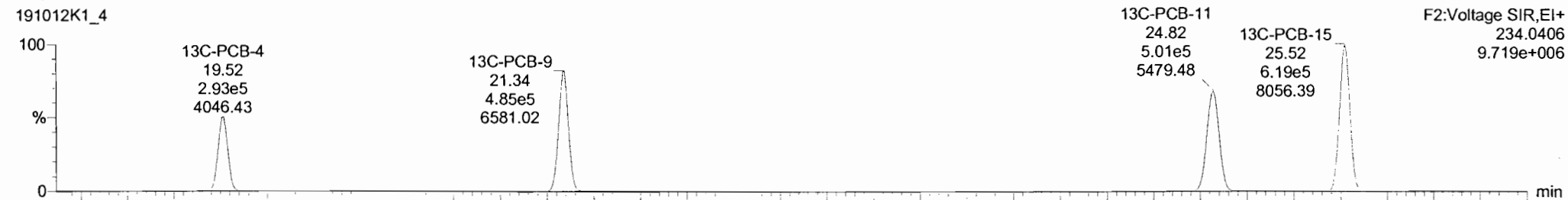
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-4/10



13C-PCB-4

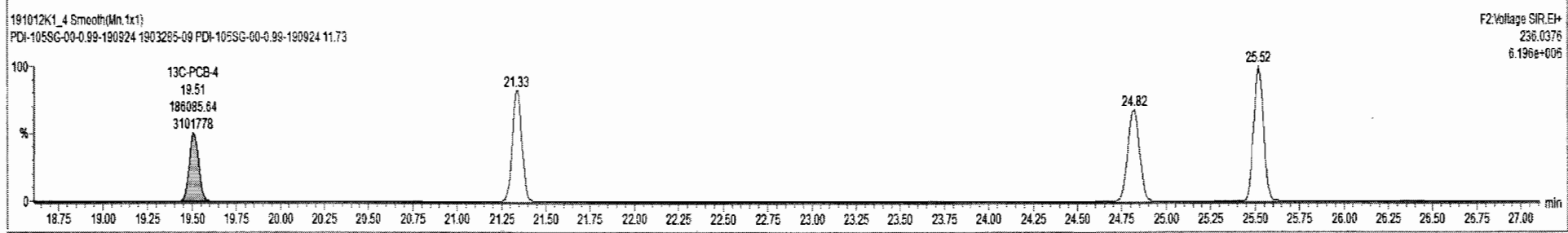
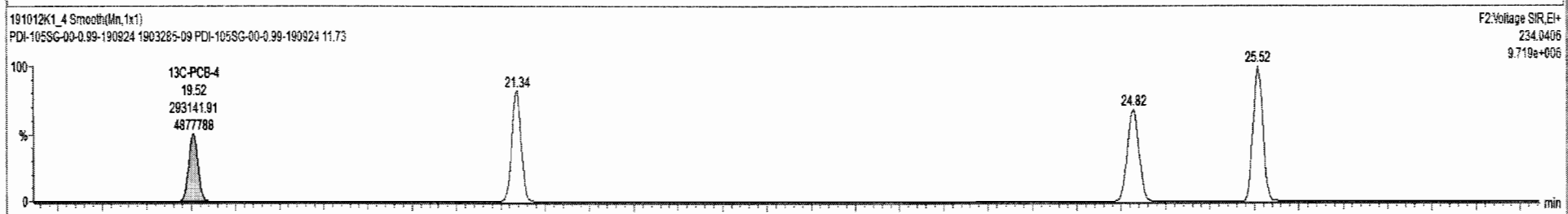
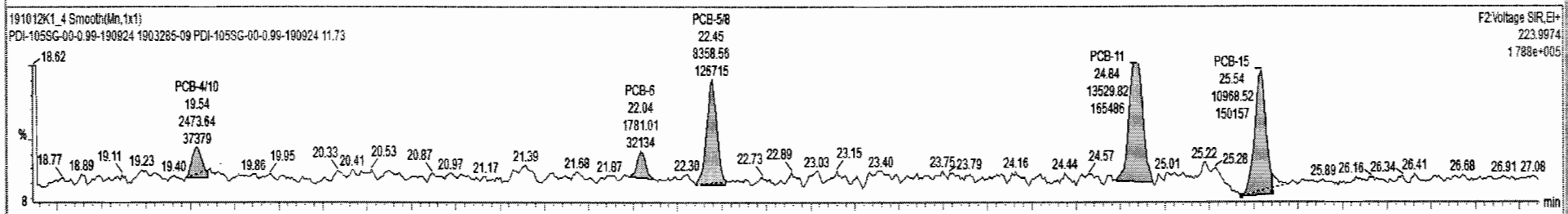
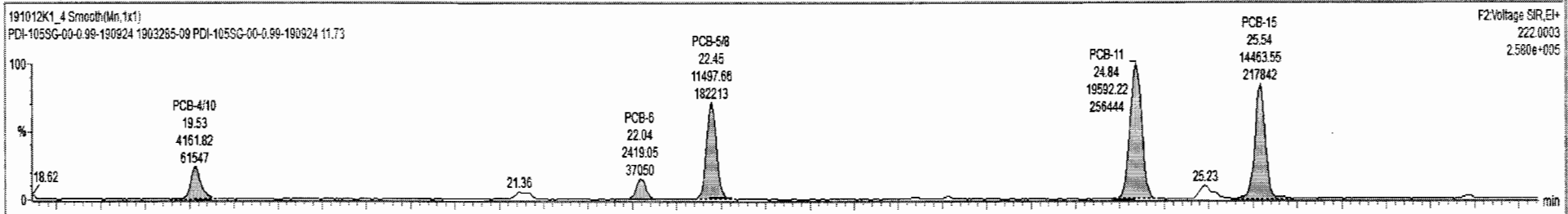




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
222	13C-PCB-79	9.33e5	0.73	NO	1.0454	5.638	37.77	37.77	0.967	0.968	NO	1868	105	1.70	
223	13C-PCB-178	4.81e5	0.43	NO	0.9749	5.638	45.68	45.86	0.924	0.923	NO	1893	107	1.30	
224	Total Mono-PCBs				1.0122	5.638	0.00	0.000			NO	20.25		0.895	26.58
225	Total Di-PCBs				1.0592	5.638	0.00	0.000			NO	137.4		14.6	182.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
4	PCB-4/10	19.60	19.53	4.162e3	2.474e3	1.560	1.68	NO	19.256	19.256



Dataset: Untitled

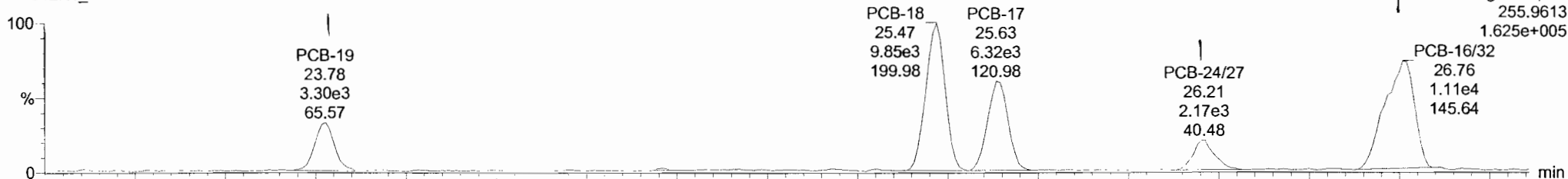
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

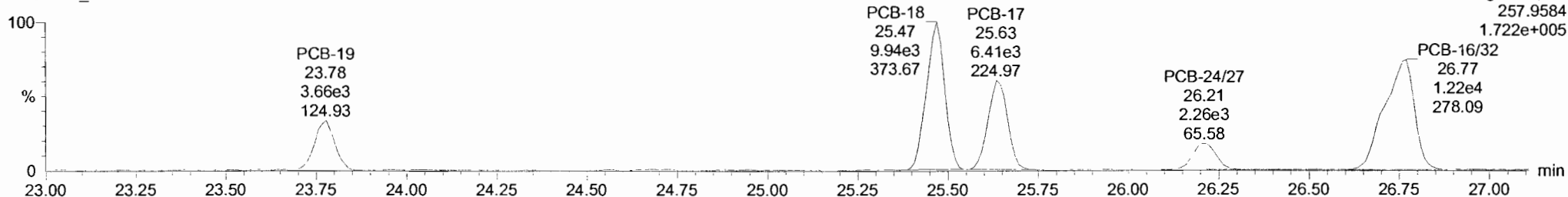
Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-19

191012K1_4

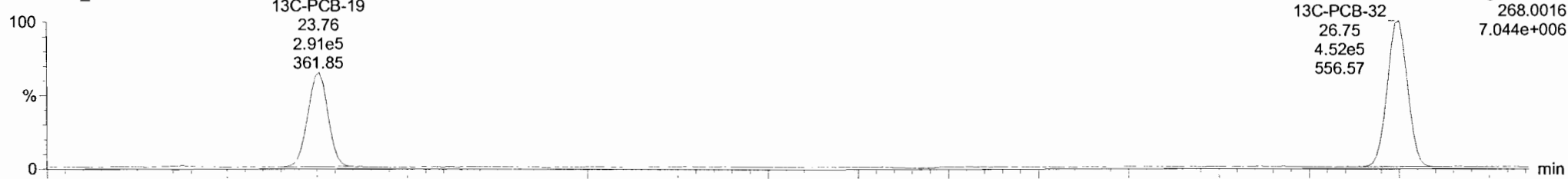


191012K1_4

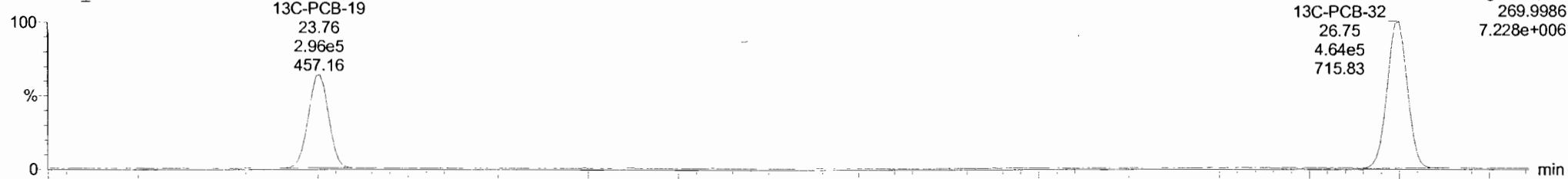


13C-PCB-19

191012K1_4



191012K1_4



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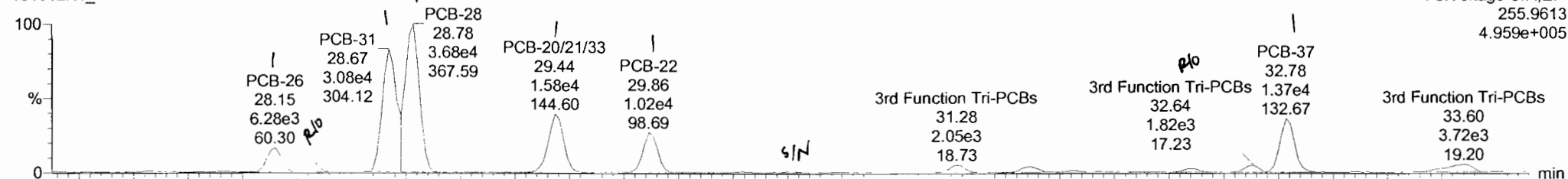
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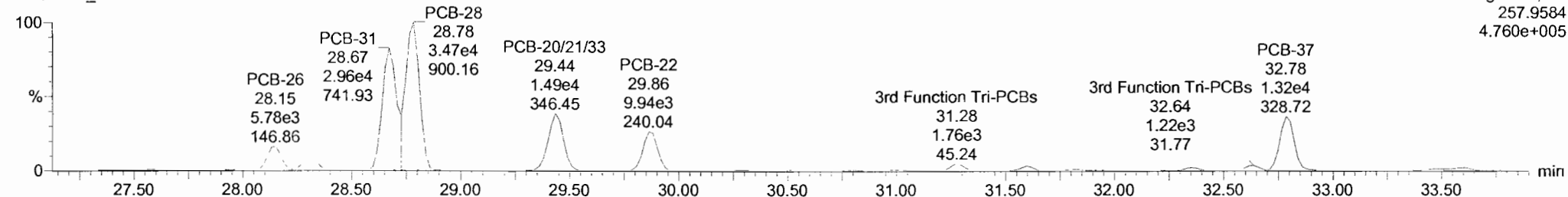
PCB-34

191012K1_4



F3:Voltage SIR,EI+
255.9613
4.959e+005

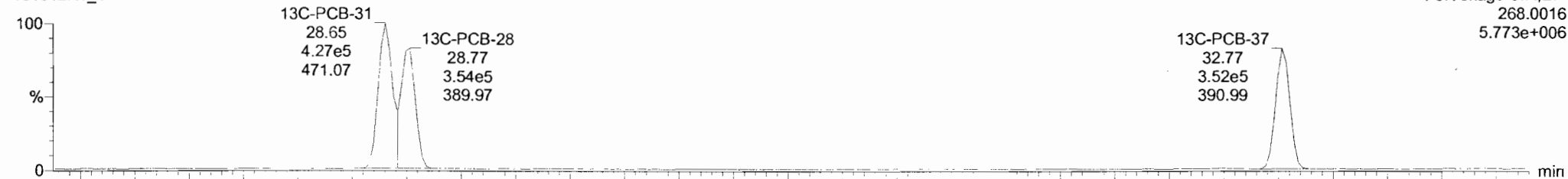
191012K1_4



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4.760e+005

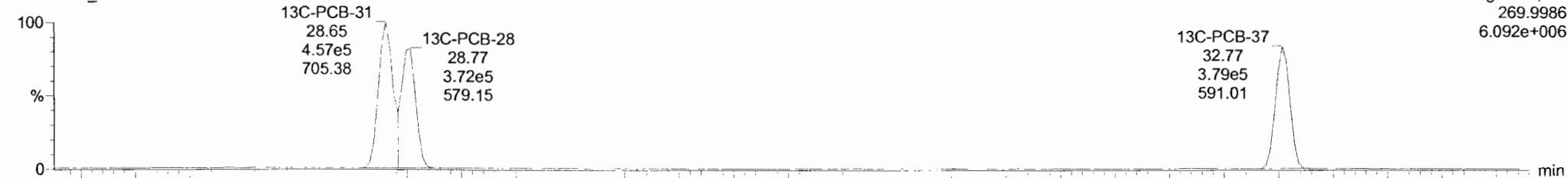
13C-PCB-28

191012K1_4



F3:Voltage SIR,EI+
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5.773e+006

191012K1_4



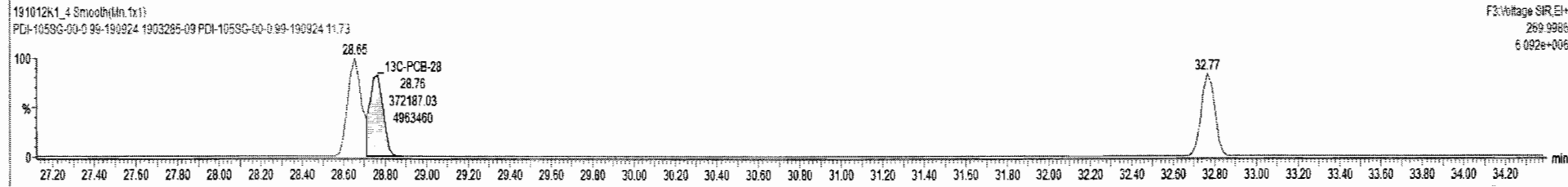
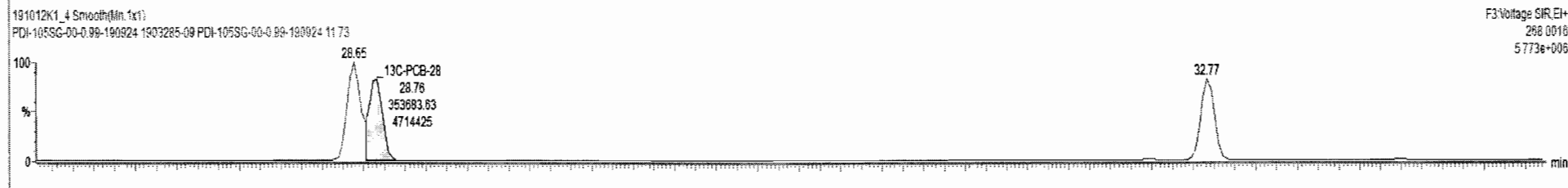
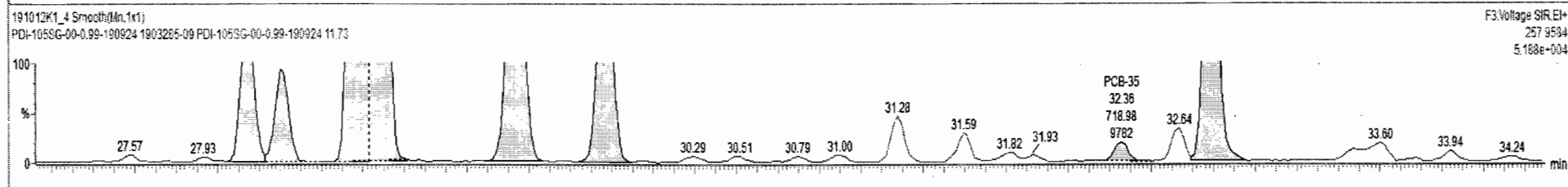
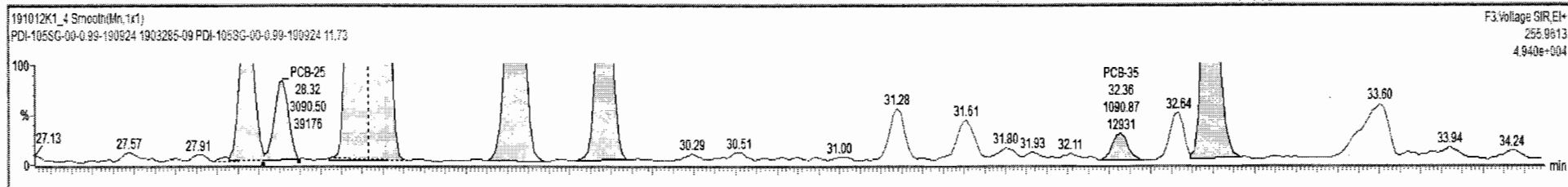
F3:Voltage SIR,EI+
269.9986
6.092e+006



191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.638	0.00		0.000		NO	500.5		9.08	518.8
228	228 Total Tetra-PCBs				0.9961	5.638	0.00		0.000		NO	2139		18.2	2151
229	229 3rd Function Penta-PCBs				1.1154	5.638	0.00		0.000		NO	7640		13.0	2658

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	21 PCB-26	28.16	28.15	6.166e3	5.778e3	1.040	1.07	NO	29.160	29.160
2	22 PCB-25	28.33	28.32	3.091e3	2.684e3	1.040	0.84	YES	15.147	0.00000
3	23 PCB-31	28.70	28.67	3.058e4	2.965e4	1.040	1.04	NO	131.91	131.91
4	24 PCB-28	28.78	28.78	3.684e4	3.474e4	1.040	1.06	NO	158.17	158.17
5	25 PCB-20/21/33	29.41	29.43	1.576e4	1.489e4	1.040	1.06	NO	74.646	74.646
6	26 PCB-22	29.88	29.88	1.019e4	9.940e3	1.040	1.03	NO	47.621	47.621
7	30 PCB-35	32.35	32.36	1.091e3	7.199e2	1.040	1.52	YES	2.1459	0.00000
8	31 PCB-37	32.80	32.78	1.368e4	1.321e4	1.040	1.03	NO	59.034	59.034



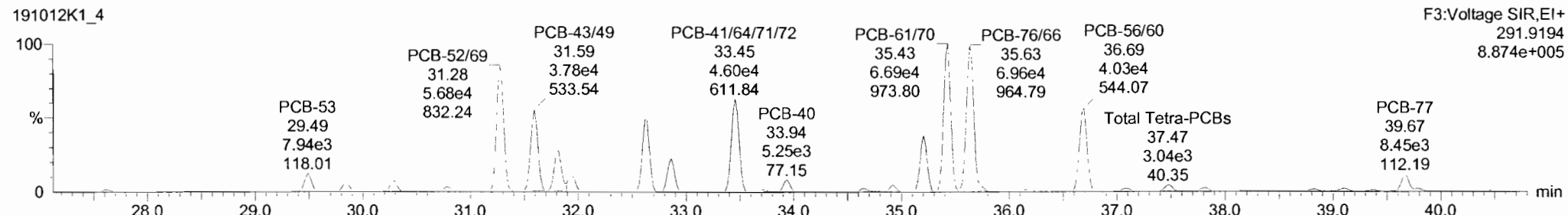
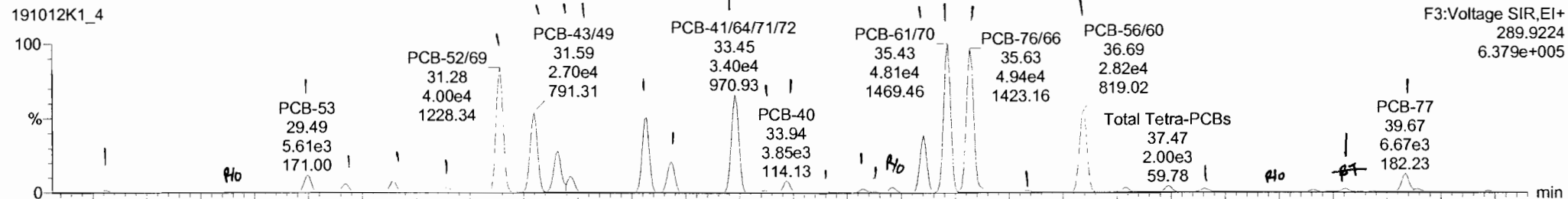
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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

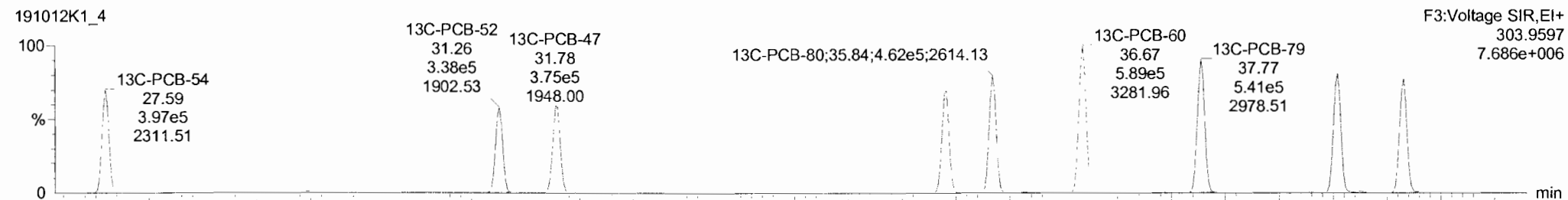
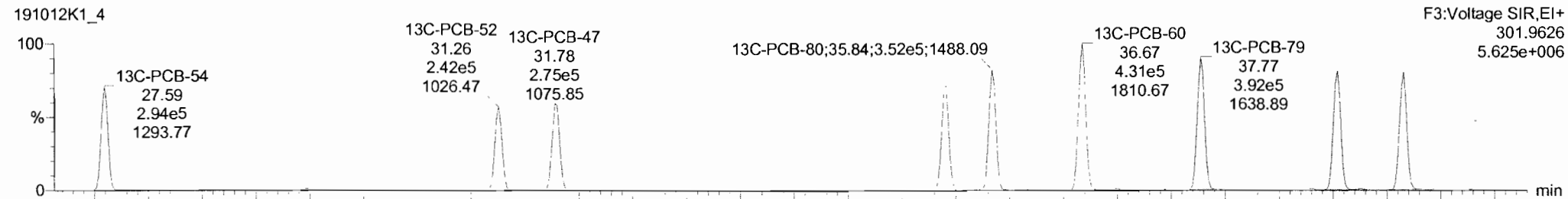
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-54



13C-PCB-54



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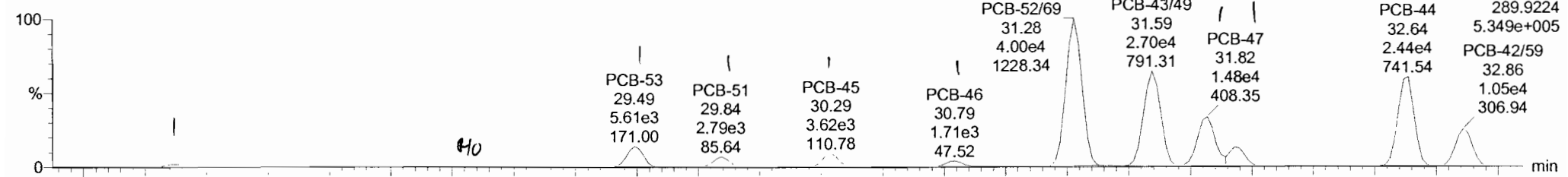
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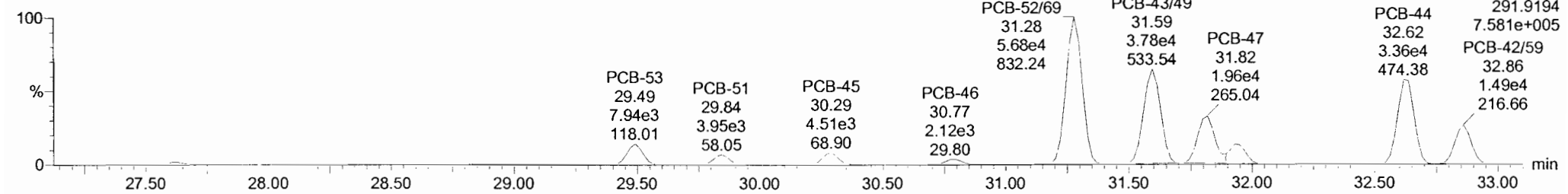
Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-50

191012K1_4

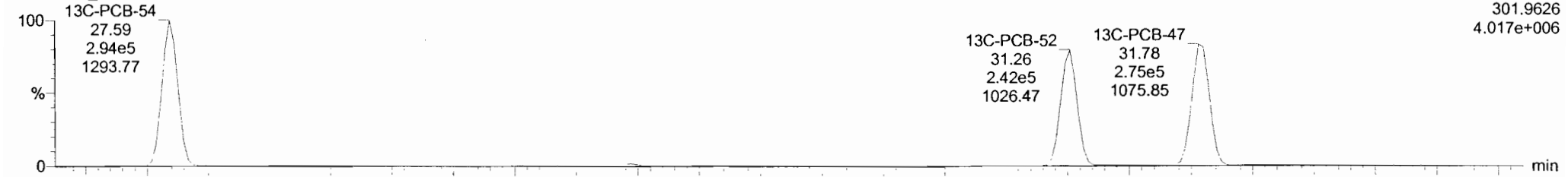


191012K1_4

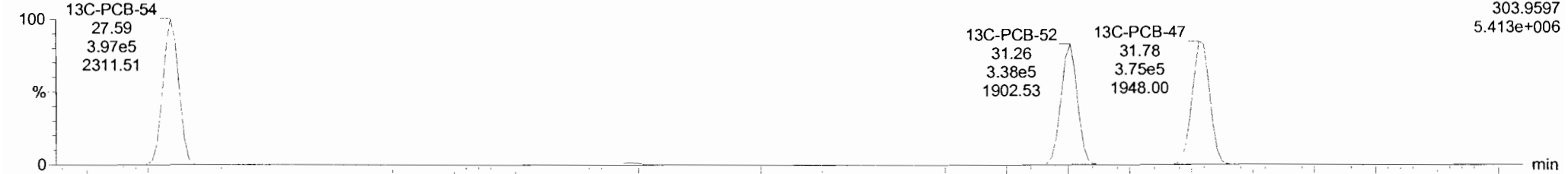


13C-PCB-52

191012K1_4



191012K1_4

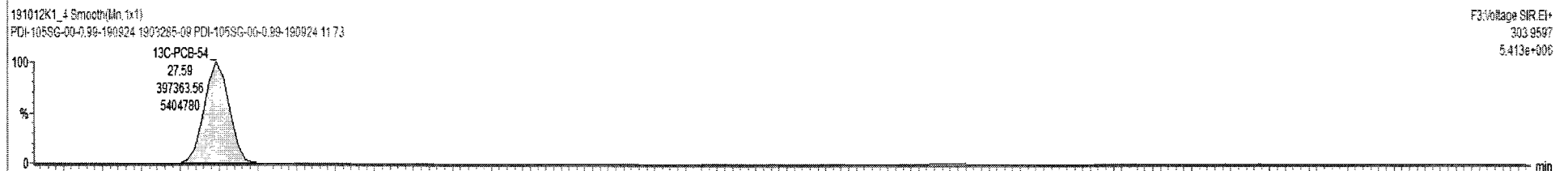
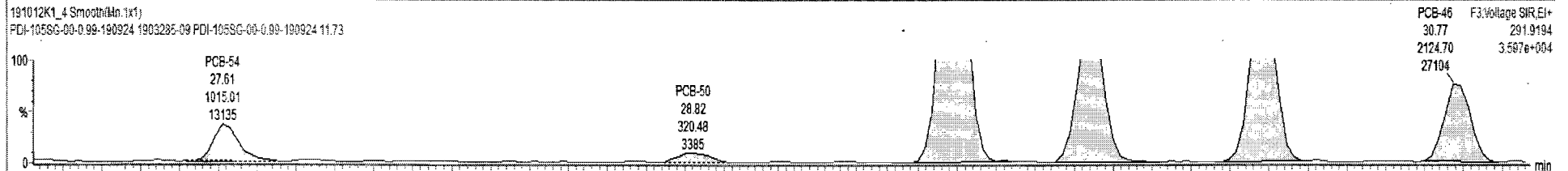
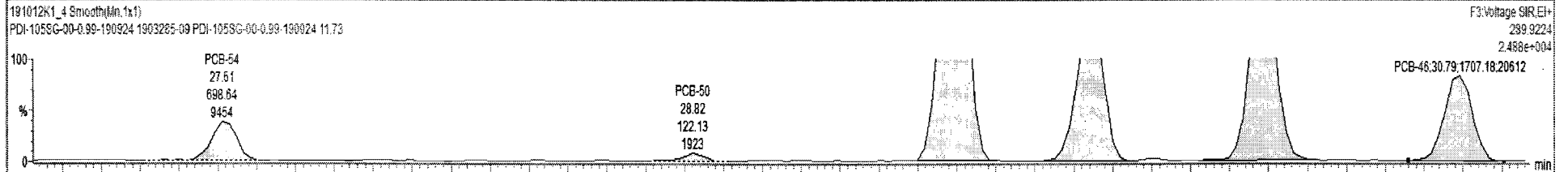




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

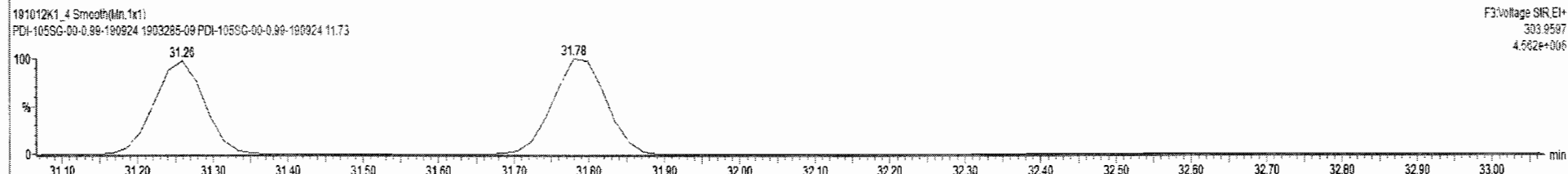
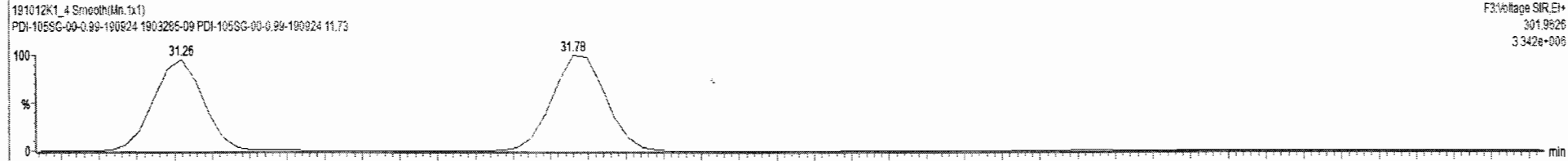
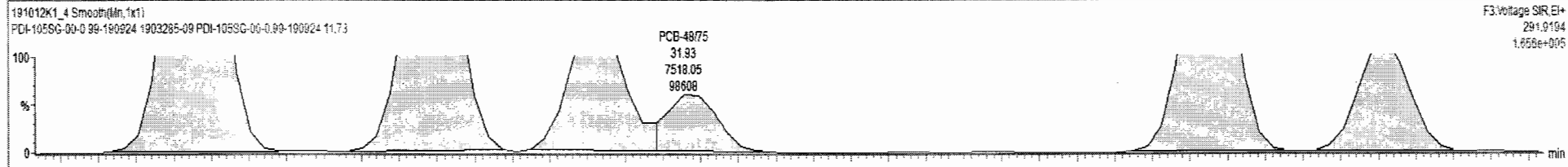
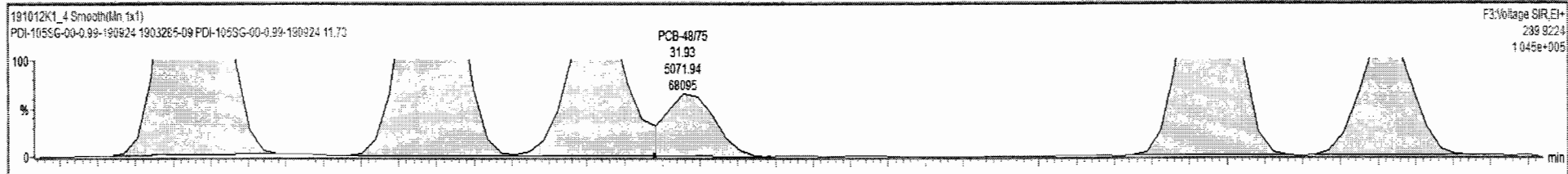
#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.636	0.00		0.000		NO	500.5		9.08	518.8
228	228 Total Tetra-PCBs				0.9861	5.636	0.00		0.000		NO	2139		18.2	2151
779	779 3rd Function Penta-PCBs				1.1154	5.636	0.00		0.000		NO	2640		13.0	2658

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.61	27.61	6.986e2	1.015e3	0.770	0.69	NO	4.4148	4.4148
2	33 PCB-50	28.81	28.82	1.221e2	3.295e2	0.770	0.38	YES	0.82185	0.00000
3	34 PCB-53	29.49	29.49	5.609e3	7.937e3	0.770	0.71	NO	43.363	43.363
4	35 PCB-51	29.84	29.84	2.782e3	3.948e3	0.770	0.71	NO	20.136	20.136
5	36 PCB-45	30.29	30.29	3.621e3	4.508e3	0.770	0.80	NO	30.768	30.768
6	37 PCB-46	30.79	30.79	1.707e3	2.125e3	0.770	0.80	NO	15.550	15.550
7	38 PCB-52#69	31.30	31.28	4.003e4	5.684e4	0.770	0.70	NO	271.28	271.28
8	40 PCB-43#49	31.58	31.59	2.695e4	3.778e4	0.770	0.71	NO	210.55	210.55
9	41 PCB-47	31.80	31.82	1.477e4	1.959e4	0.770	0.75	NO	197.89	107.89



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.638	0.00		0.000		NO	500.5		9.08	518.8
228	228 Total Tetra-PCBs				0.9881	5.638	0.00		0.000		NO	2139		18.2	2151
229	229 3rd Function Penta-PCBs				1.1154	5.638	0.00		0.000		NO	2640		13.01	2658

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.61	27.61	6.899e2	1.015e3	0.770	0.69	NO	4.4148	4.4148
2	33 PCB-58	28.81	28.82	1.221e2	2.295e2	0.770	0.38	YES	0.92185	0.00000
3	34 PCB-53	29.49	29.49	5.609e3	7.937e3	0.770	0.71	NO	43.363	43.363
4	35 PCB-51	29.84	29.84	2.792e3	3.949e3	0.770	0.71	NO	20.136	20.136
5	36 PCB-45	30.29	30.29	3.621e3	4.508e3	0.770	0.80	NO	30.768	30.768
6	37 PCB-46	30.79	30.79	1.707e3	2.125e3	0.770	0.60	NO	15.550	15.550
7	38 PCB-52/69	31.30	31.28	4.003e4	5.684e4	0.770	0.70	NO	271.28	271.28
8	40 PCB-43/49	31.58	31.59	2.695e4	3.778e4	0.770	0.71	NO	210.55	210.55
9	41 PCB-47	31.80	31.82	1.477e4	1.959e4	0.770	0.75	NO	107.89	107.89



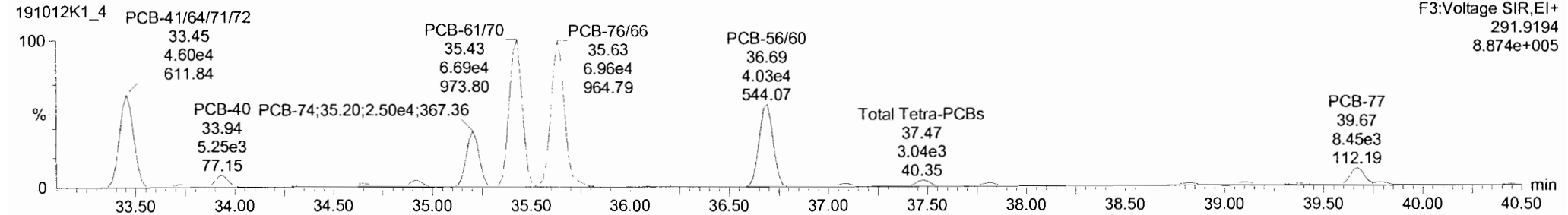
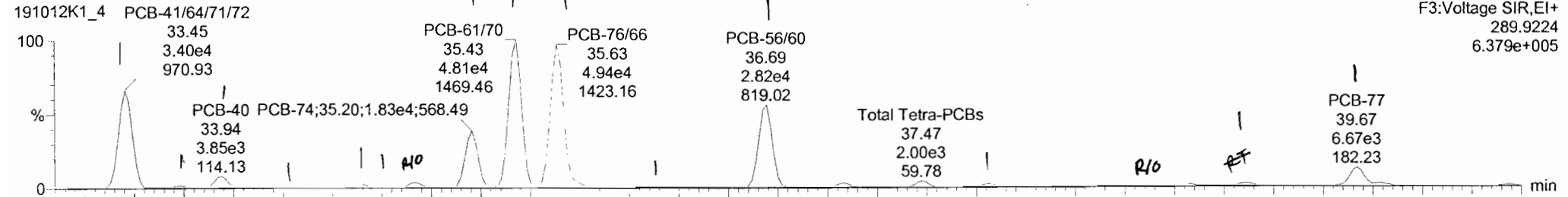
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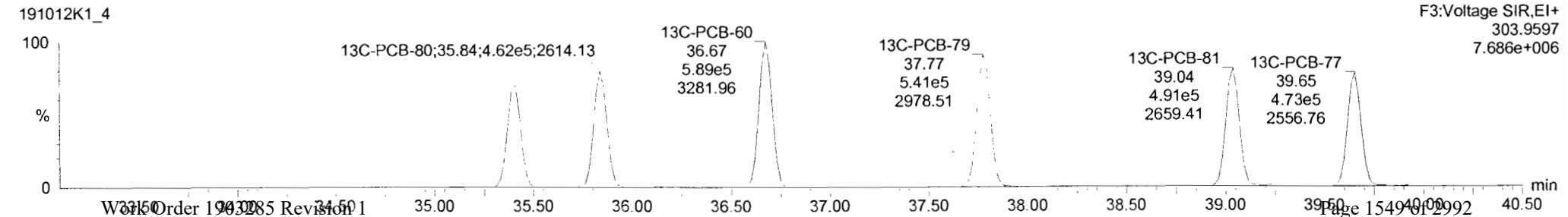
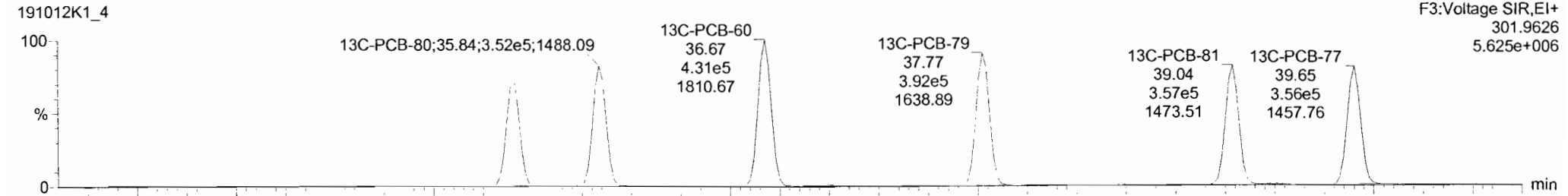
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-68



13C-PCB-60

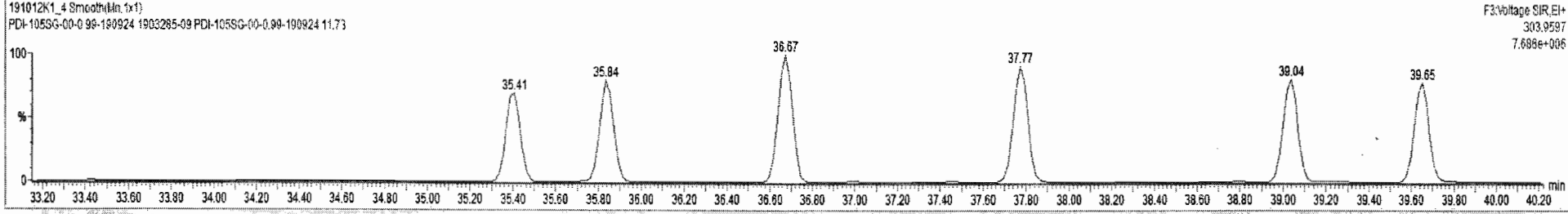
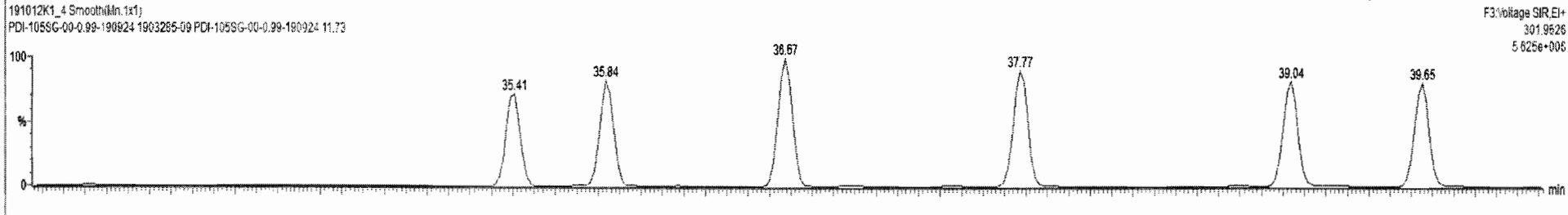
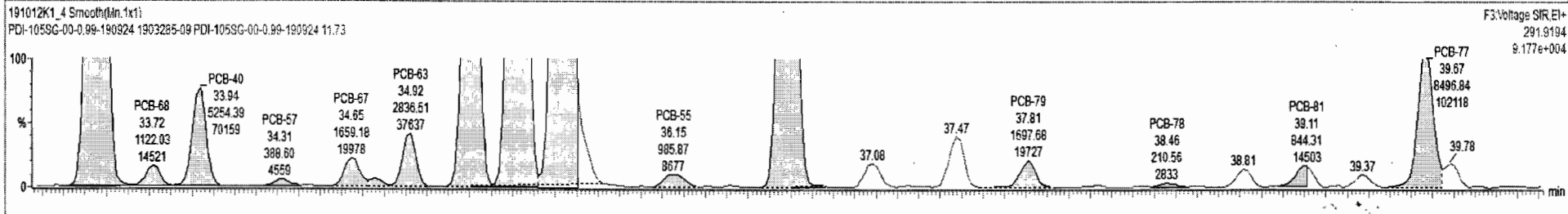
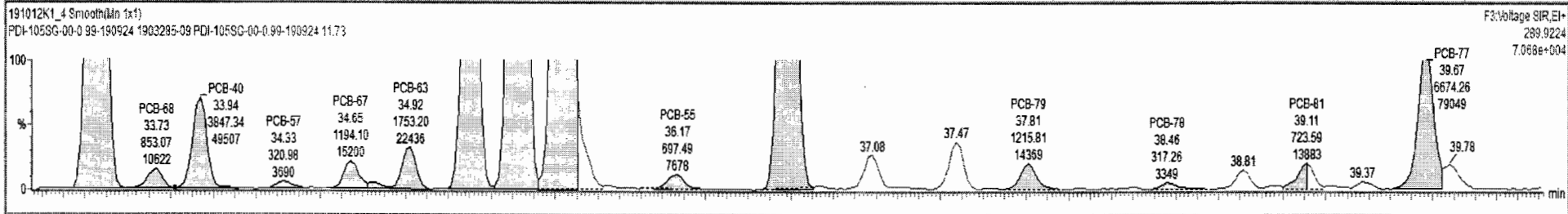




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	nly	RRF	Wtwt	Pred.RT	RT	Pred.R.	RRT	RRT:Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9861	5.638	0.00				NO	2129	18.2		2141

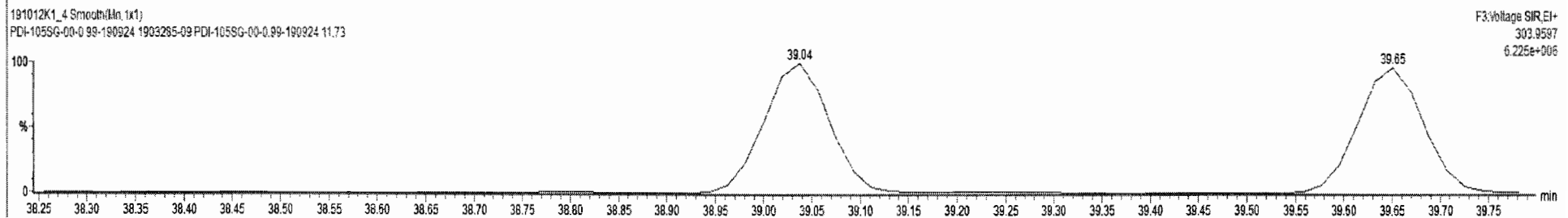
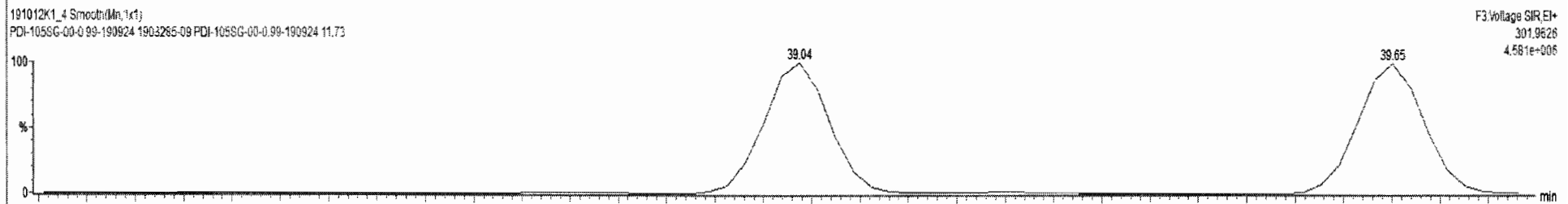
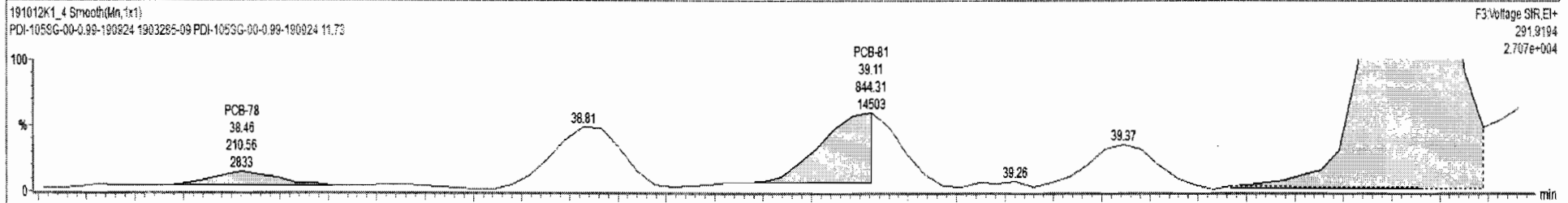
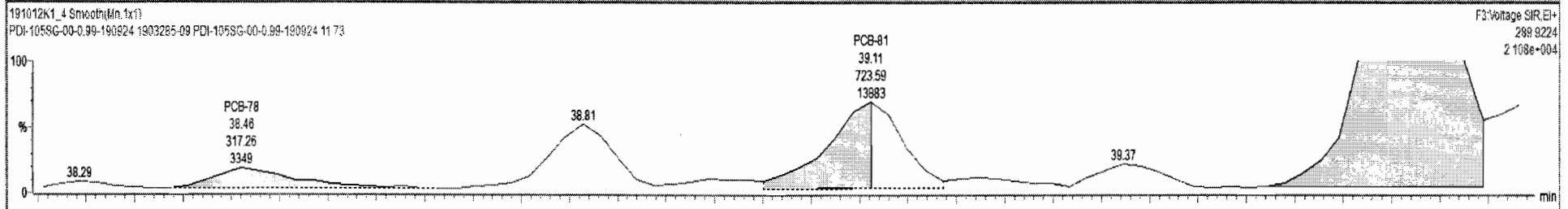
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
32	PCB-54	27.61	27.61	6.989e2	1.015e3	0.770	0.69	NO	4.4146	4.4146
33	PCB-50	28.81	28.82	1.221e2	3.205e2	0.770	0.36	YES	0.92185	0.00600
34	PCB-53	29.49	29.49	5.608e3	7.937e3	0.770	0.71	NO	43.363	43.363
35	PCB-51	29.84	29.84	2.782e3	3.948e3	0.770	0.71	NO	20.136	20.136



191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wtVel	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 Total Tetra-PCBs				0.9861	5.638	0.00		0.000		NO	2129		18.2	2141

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.61	27.61	6.986e2	1.015e3	0.770	0.69	NO	4.4148	4.4148
2	33 PCB-50	28.81	28.82	1.221e2	3.205e2	0.770	0.36	YES	0.92185	0.00000
3	34 PCB-53	29.48	29.49	5.606e3	7.937e3	0.770	0.71	NO	43.363	43.363
4	35 PCB-51	29.84	29.84	2.792e3	3.948e3	0.770	0.71	NO	20.136	20.136



Dataset: Untitled

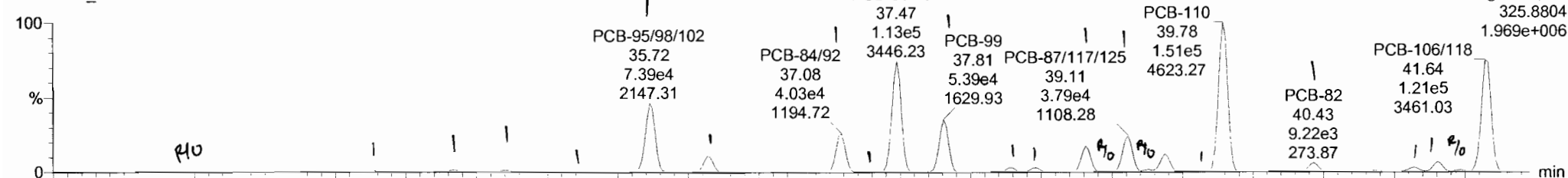
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Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

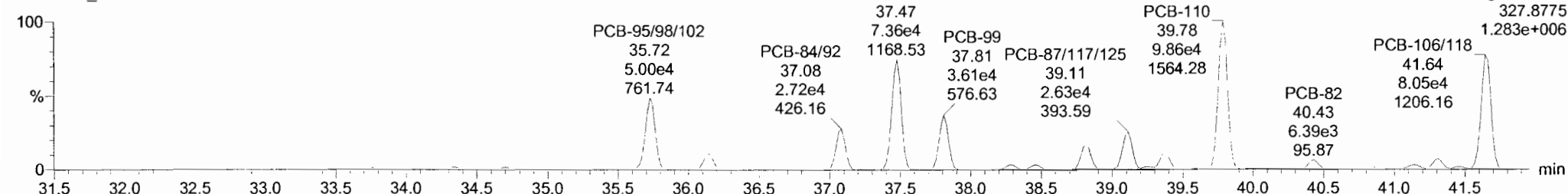
Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-104

191012K1_4

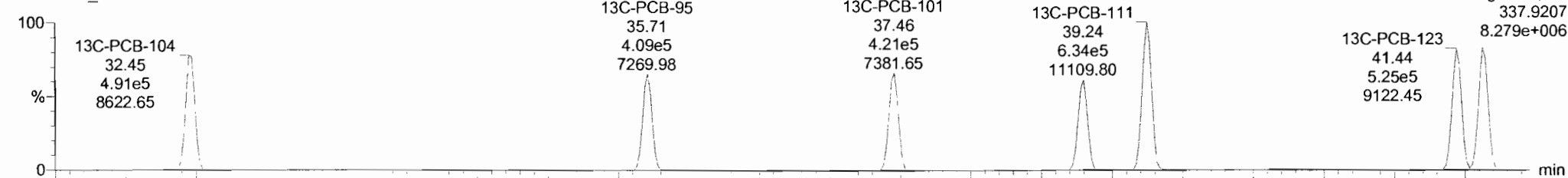


191012K1_4

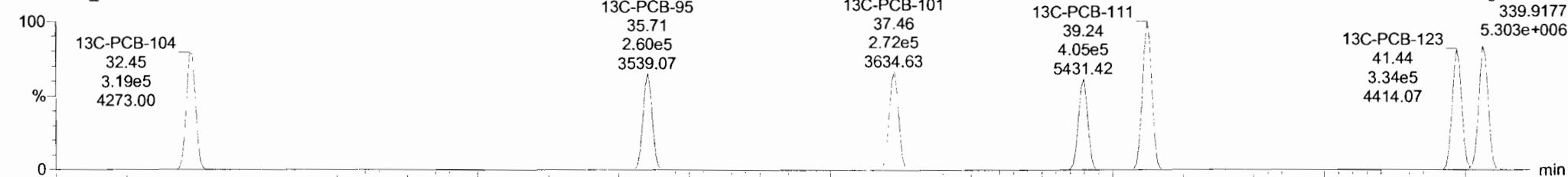


13C-PCB-104

191012K1_4



191012K1_4



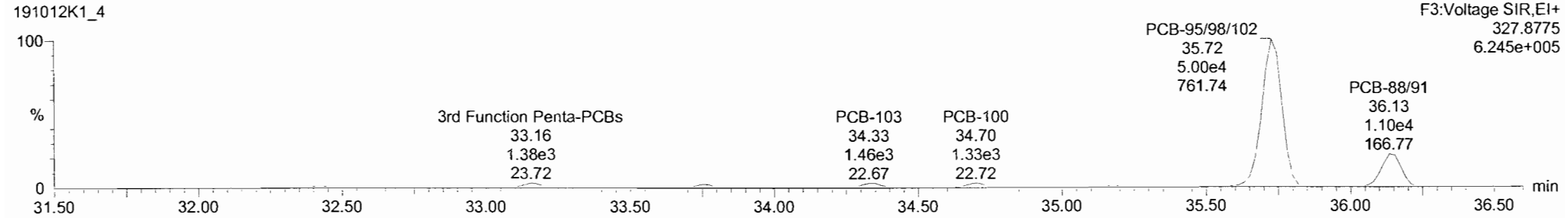
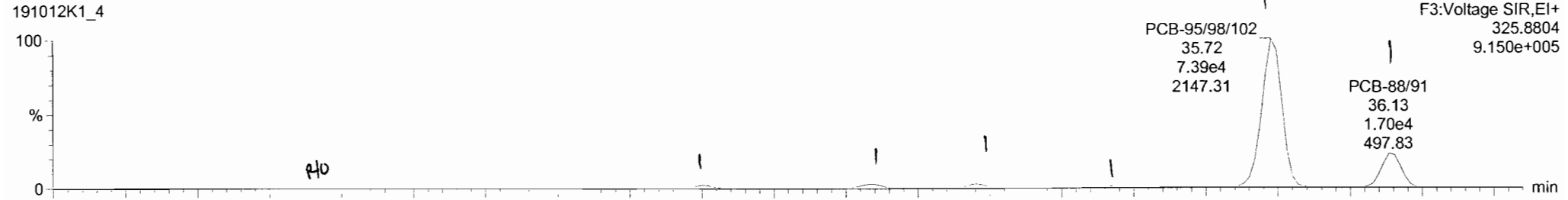
Dataset: Untitled

Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

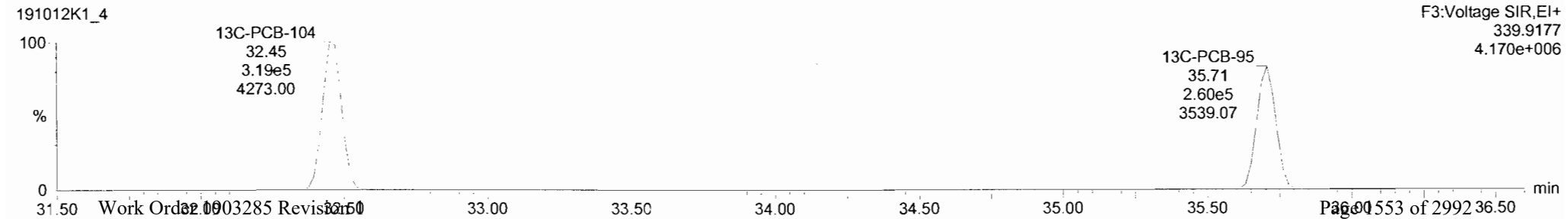
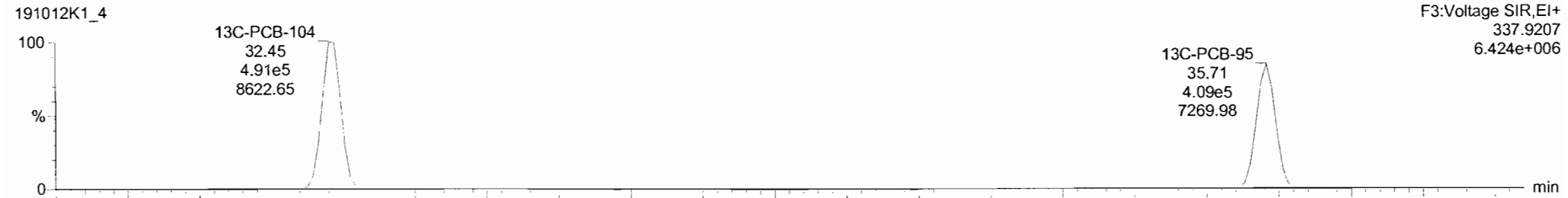
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-96



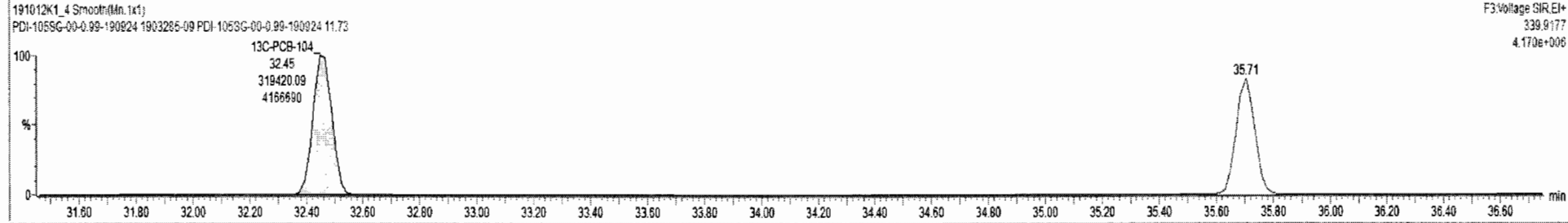
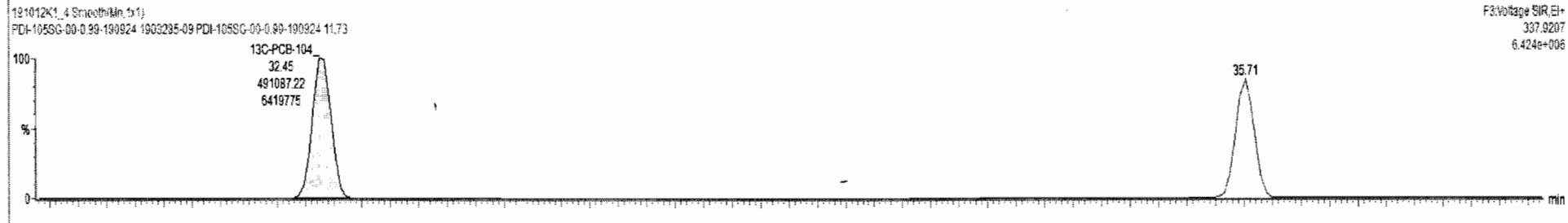
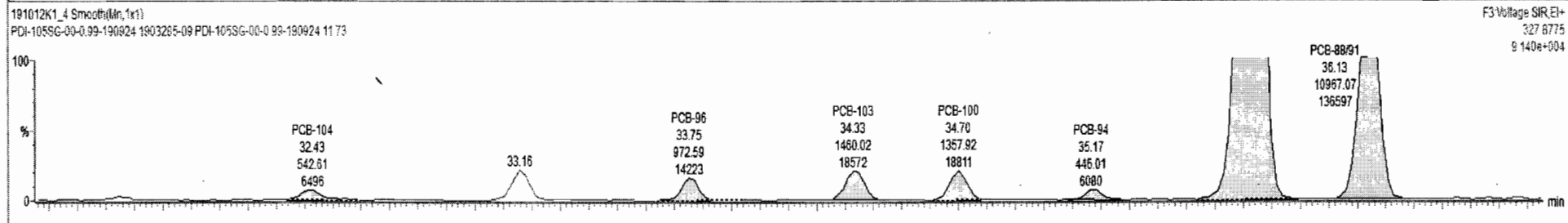
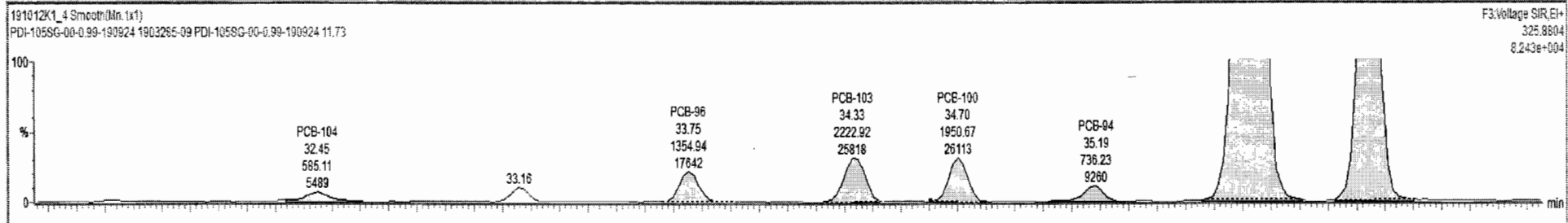
13C-PCB-95



191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0563	5.638	0.00		0.000		NO	500.5		9.08	518.8
228	Total Tetra-PCBs				0.9881	5.638	0.00		0.000		NO	2126		18.2	2138
229	3rd Function Prohi-PCBs				1.1154	5.638	0.00		0.000		NO	2647		13.0	2658

#	Name	Pred.RT	RT	ref Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.47	32.45	5.851e2	5.426e2	1.560	1.08	YES	2.1126	0.60000

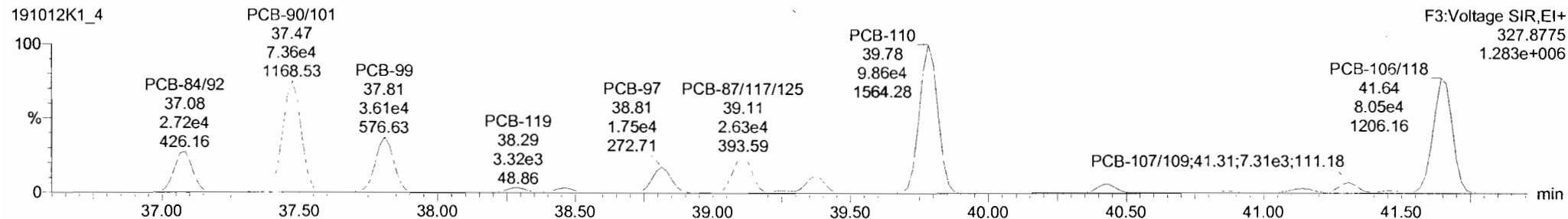
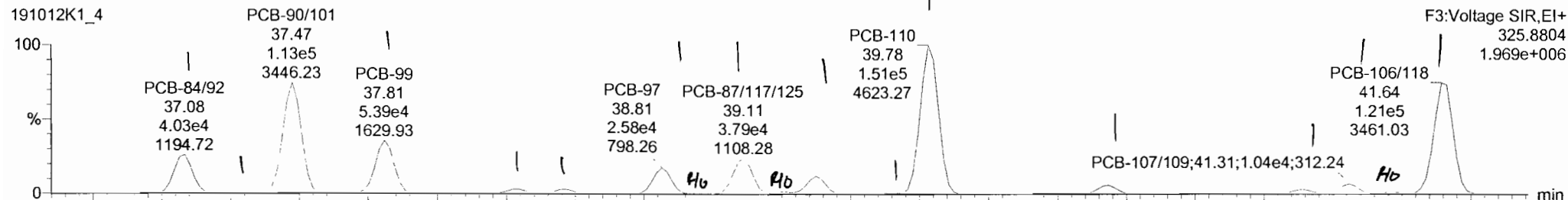


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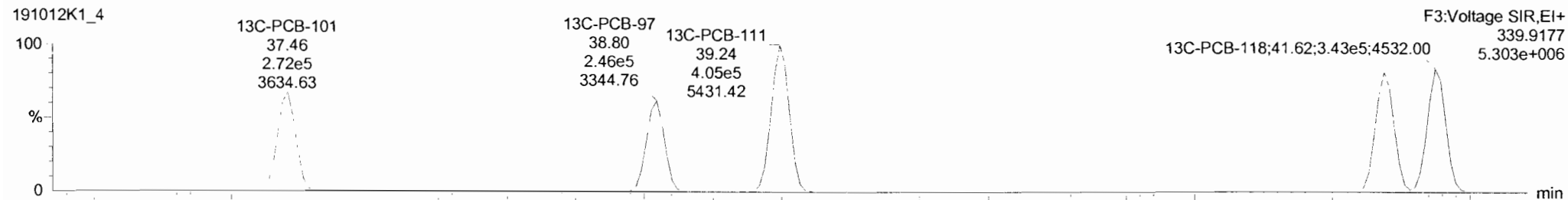
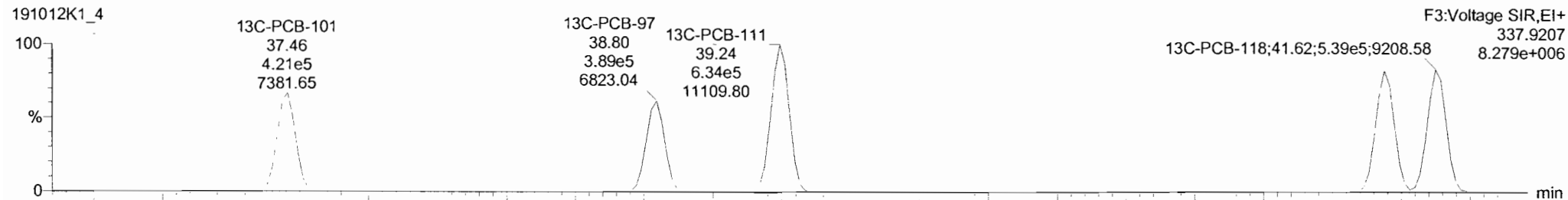
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
 Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-119



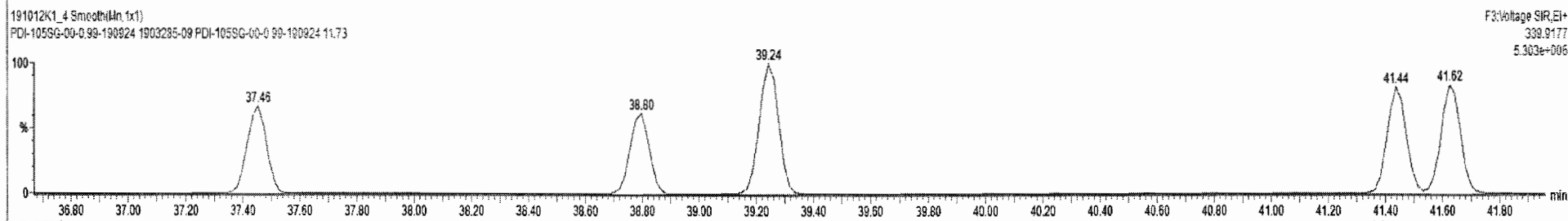
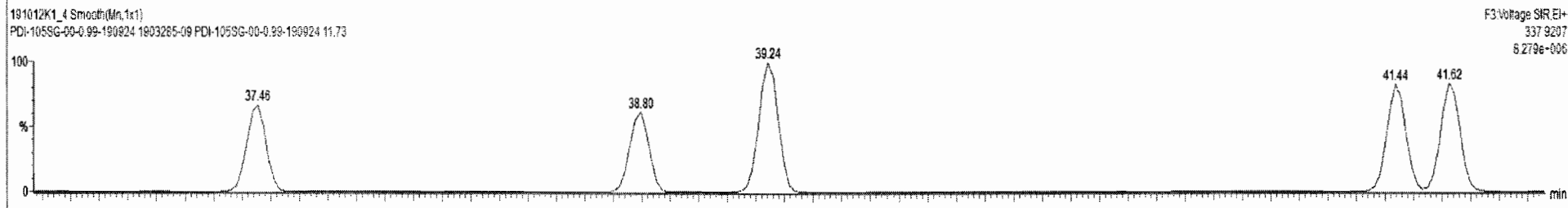
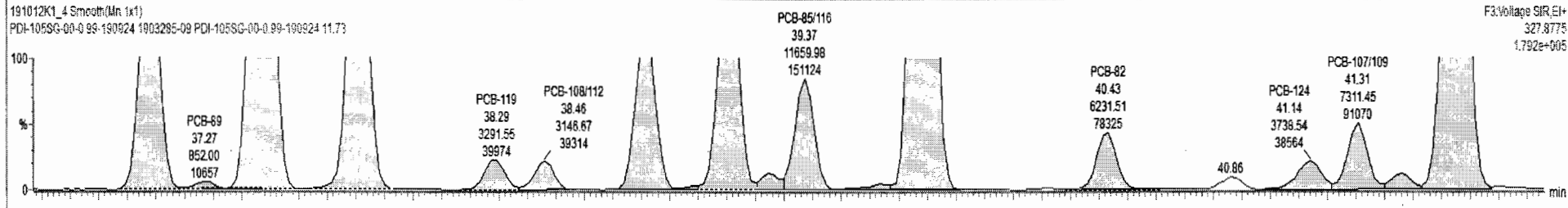
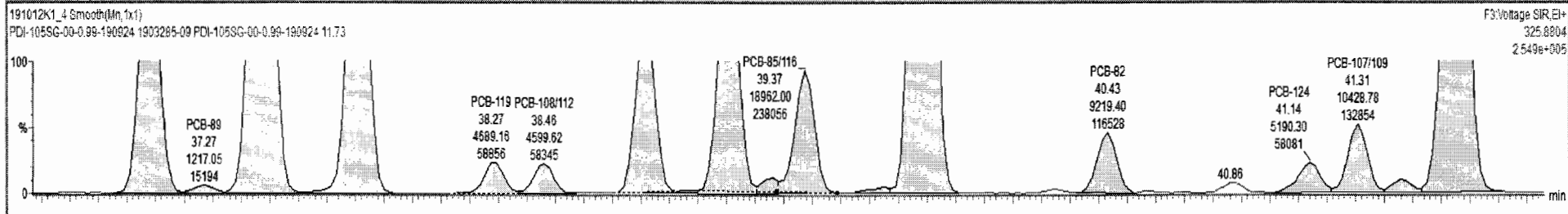
13C-PCB-111



191012K1_4 - 1903285-09 PDI-105SG-00-0-99-190924 11.73 - PDI-105SG-00-0-99-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	5.638	0.00		0.000		NO	500.5		9.88	518.8
228	228 Total Tetra-PCBs				0.9861	5.638	0.00		0.000		NO	2128		18.2	2138
229	229 3rd Function Penta-PCBs				1.1154	5.638	0.00		0.000		NO	2652		13.0	2668

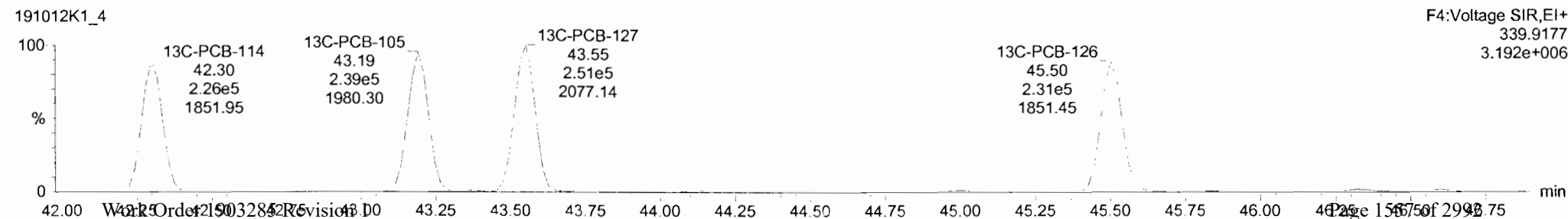
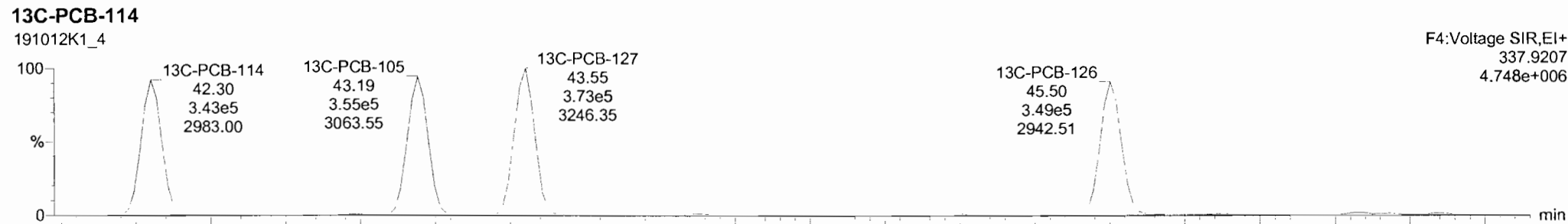
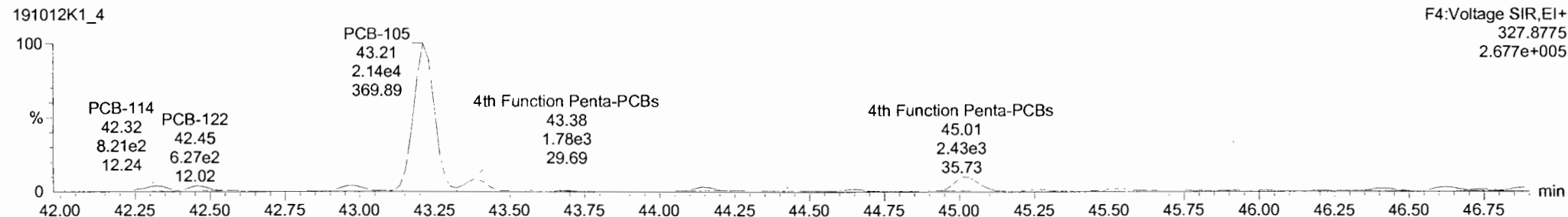
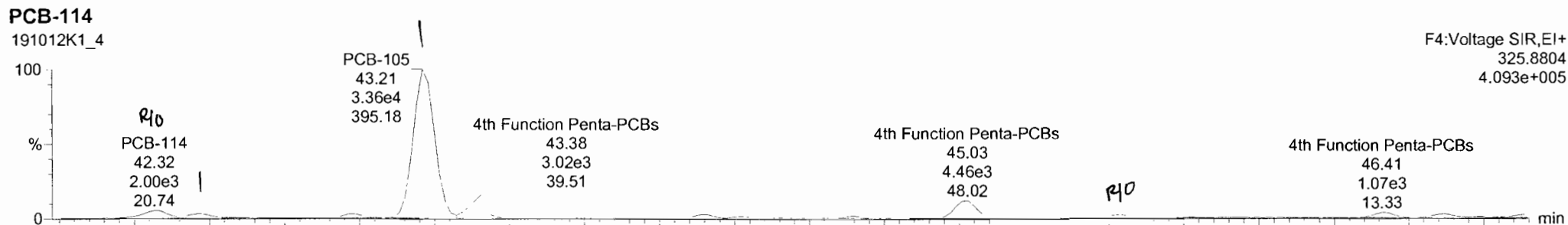
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	84 PCB-104	32.47	32.45	5.851e2	5.428e2	1.560	1.08	YES	2.1128	0.00000
2	85 PCB-96	33.76	33.75	1.355e3	9.728e2	1.560	1.39	NO	5.1152	5.1152
3	86 PCB-103	34.33	34.33	2.223e3	1.450e3	1.560	1.52	NO	10.409	10.409



Dataset: Untitled

Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
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Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

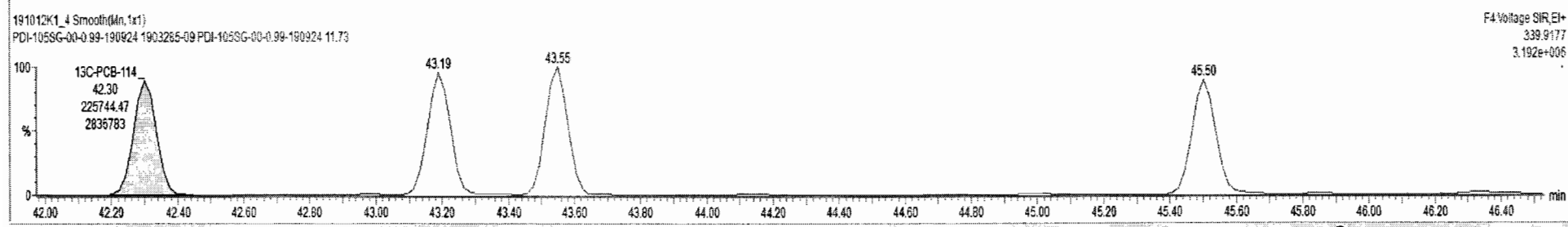
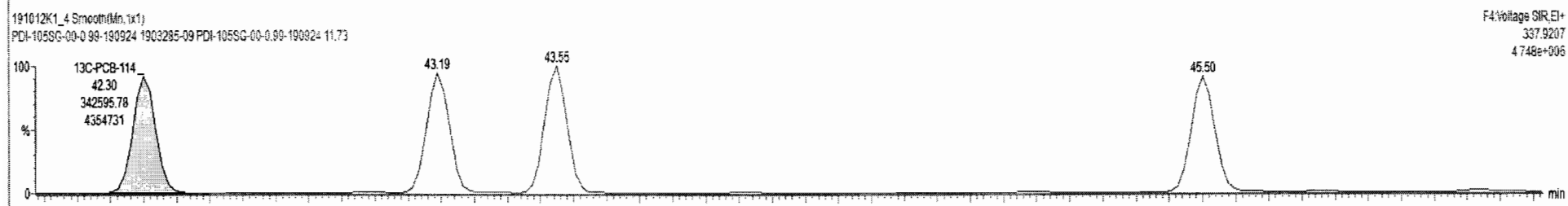
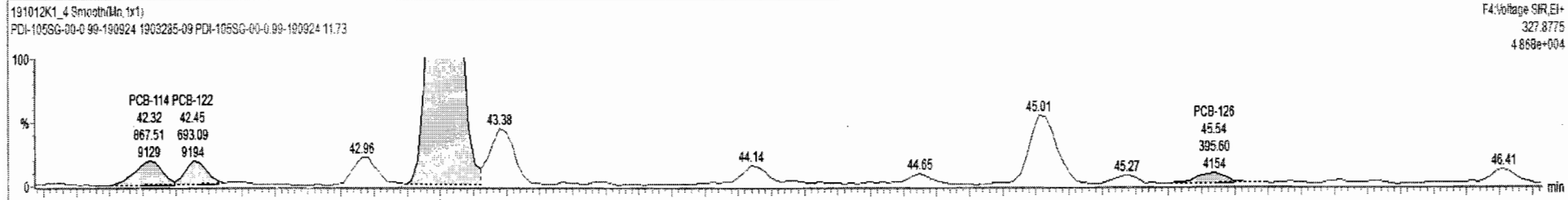
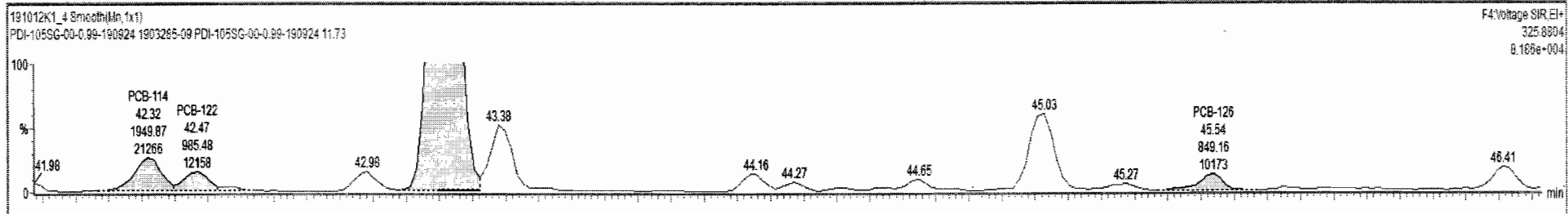




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred. RT	RT	Pred. R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.1112	5.638	0.00		0.000		NO	154.7		3.61	163.2
231	231 3rd Function Hexa-PCBs				0.7739	5.638	0.00		0.000		NO	1103		4.03	1122
232	232 4th Function Hexa-PCBs				0.9719	5.638	0.00		0.000		NO	2056		14.3	2056

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	Y* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.32	42.32	1.950e3	8.675e2	1.560	2.25	YES	5.9666	0.00000
2	94 PCB-122	42.45	42.47	9.855e2	6.931e2	1.560	1.42	NO	5.3862	5.3862
3	95 PCB-105	43.21	43.21	3.368e4	2.137e4	1.550	1.58	NO	149.31	149.31
4	87 PCB-126	45.52	45.54	8.492e2	3.956e2	1.560	2.15	YES	2.5529	0.00000



Dataset: Untitled

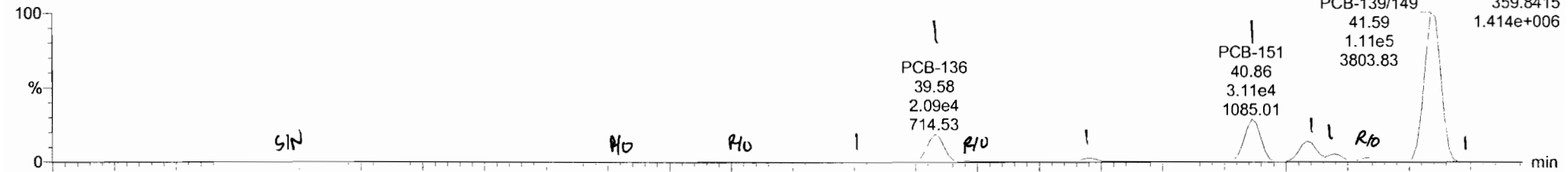
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

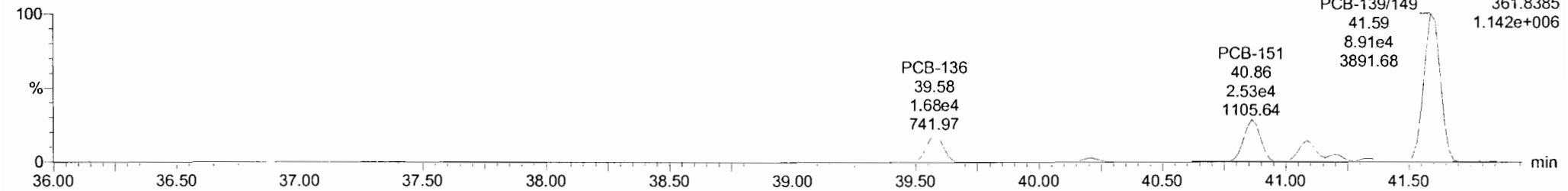
Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-155

191012K1_4

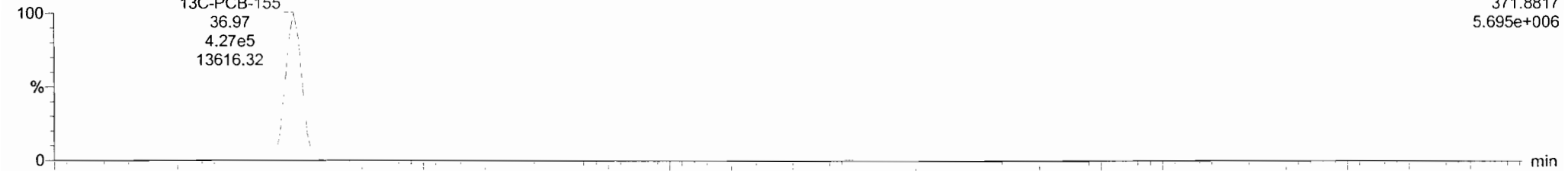


191012K1_4

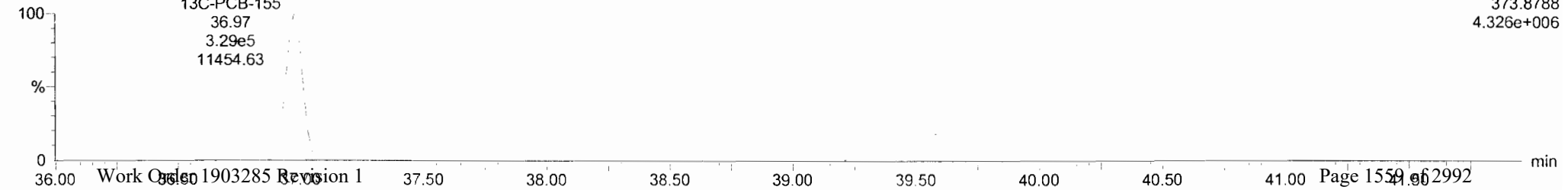


13C-PCB-155

191012K1_4



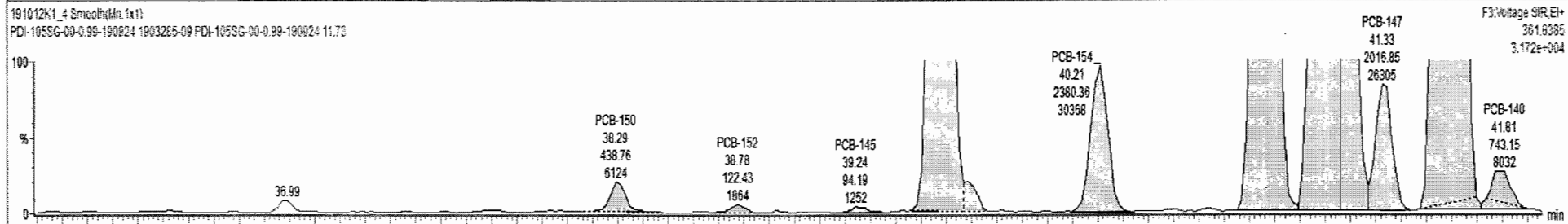
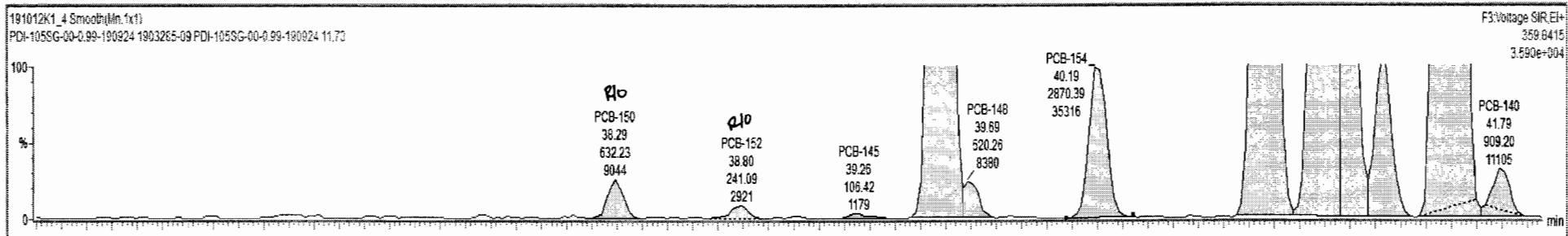
191012K1_4



191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	4th Function Penia-PCBs				1.1112	5.636	0.90		0.000		NO	154.7		3.81	163.2

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
99	PCB-150	38.29	38.29	6.322e2	4.388e2	1.240	1.44	YES	2.8189	0.00000



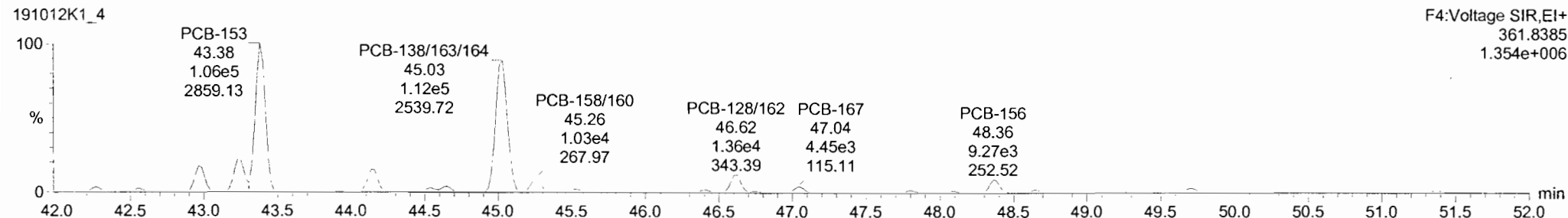
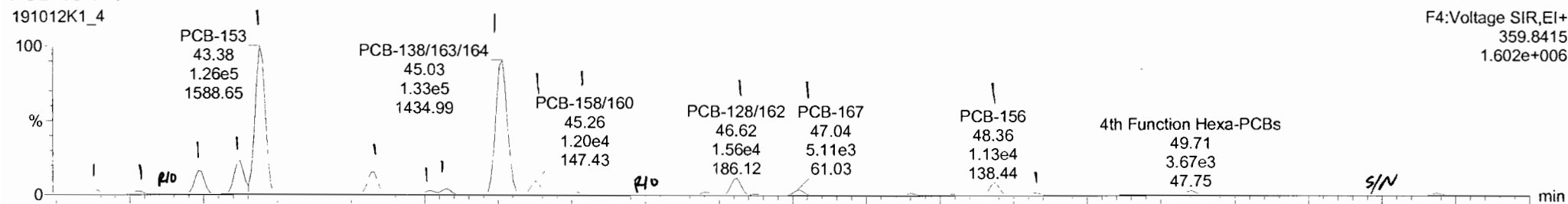
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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

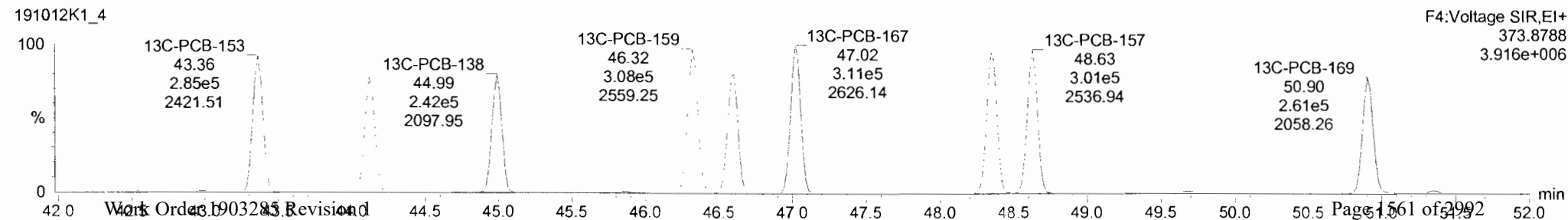
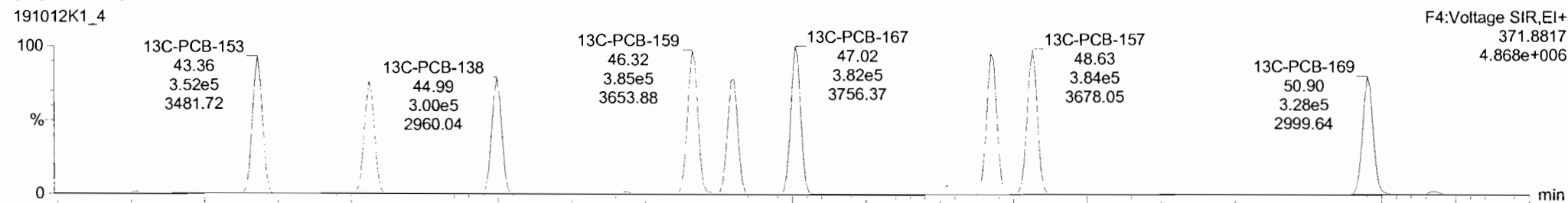
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-134/143



13C-PCB-153

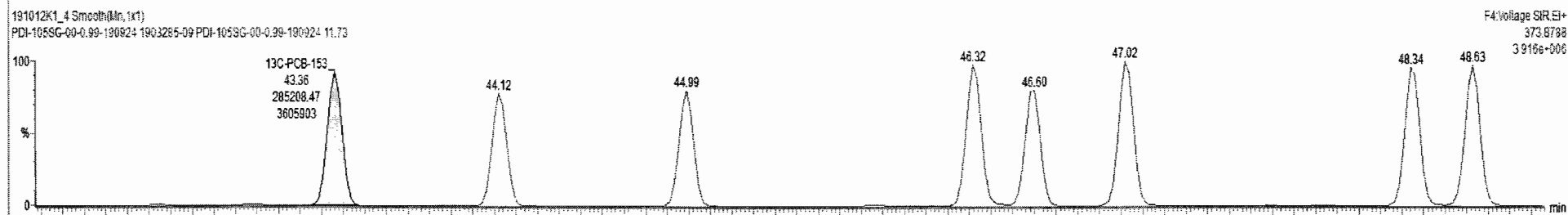
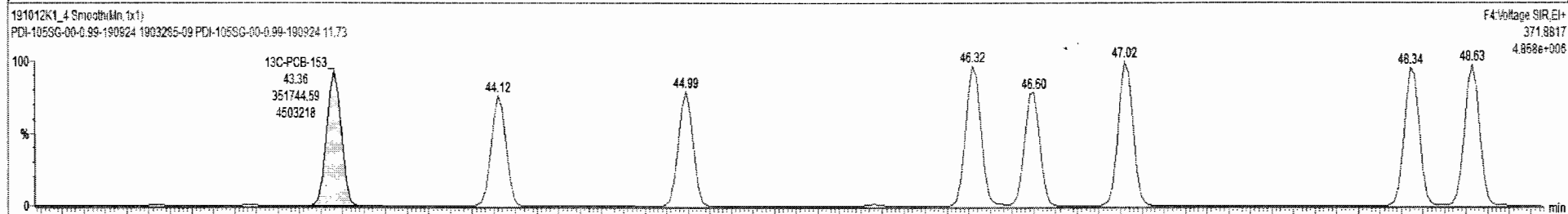
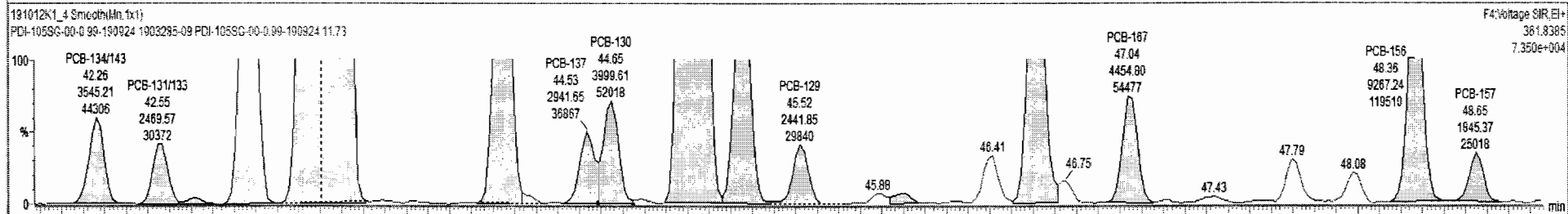
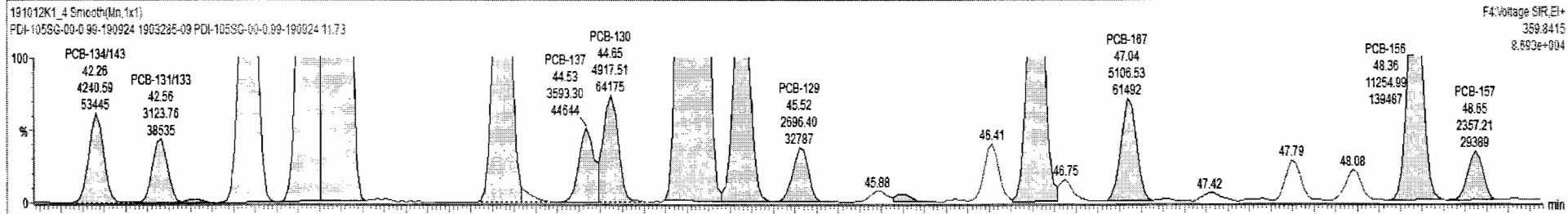




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT/Fat	Conc	%Rec	DL	EMPC
232	232	4th Function Hexa-PCBs			9.9719	5.638	0.000					NO	2054	14.3	2056

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
111	PCB-134/143	42.27	42.26	4.241e3	3.545e3	1.240	1.20	NO	29.564	29.564



Dataset: Untitled

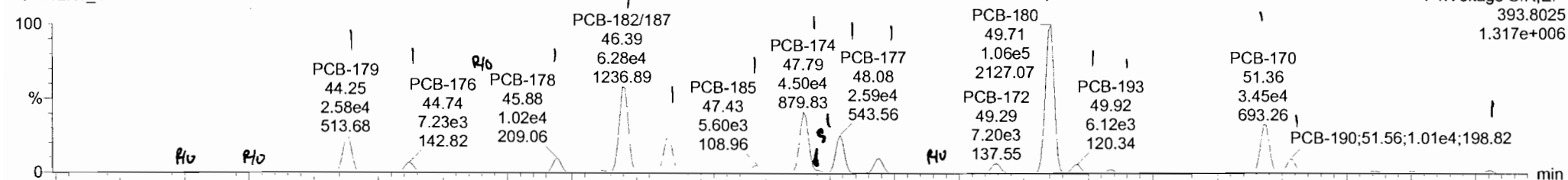
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

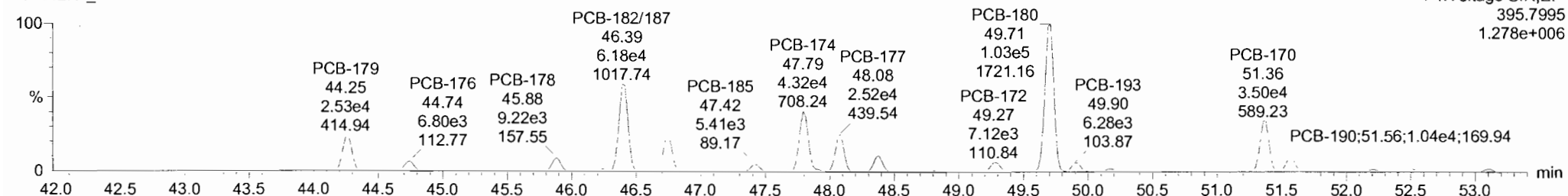
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PCB-188

191012K1_4

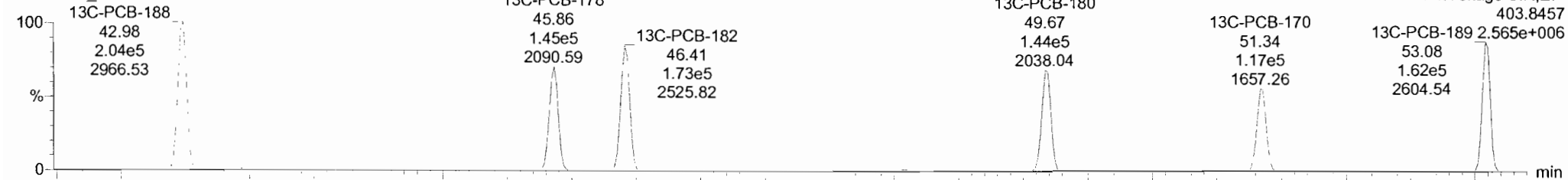


191012K1_4

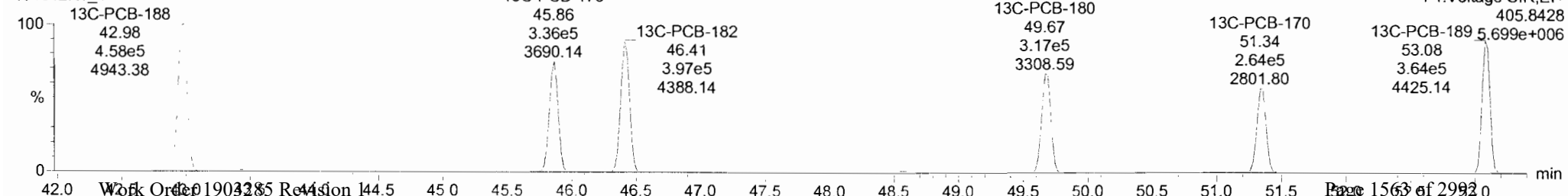


13C-PCB-188

191012K1_4



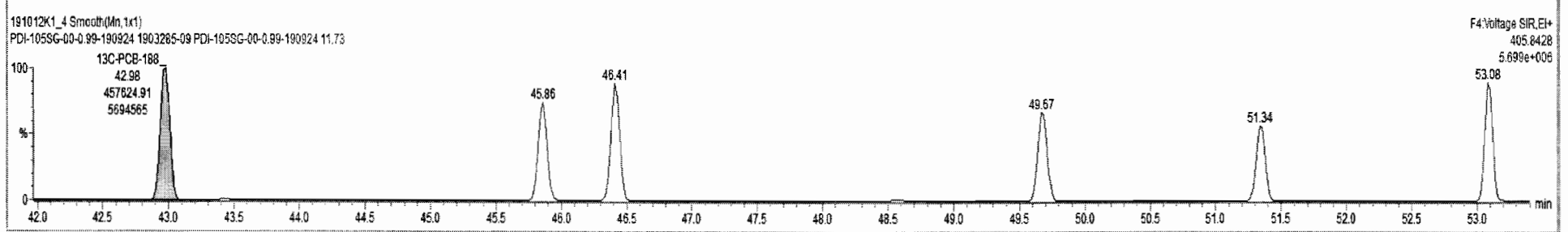
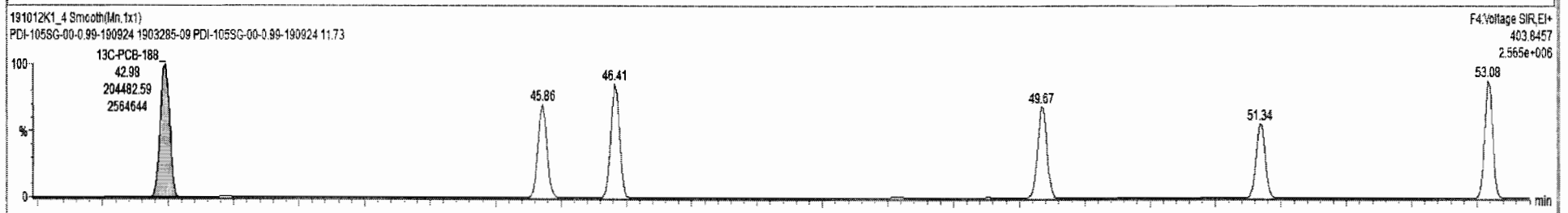
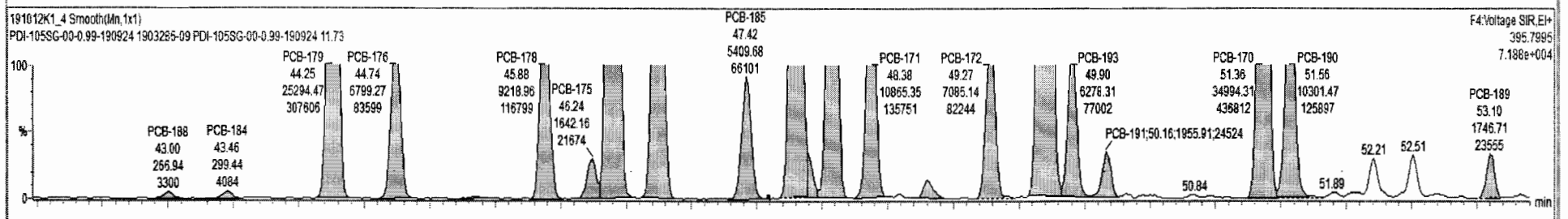
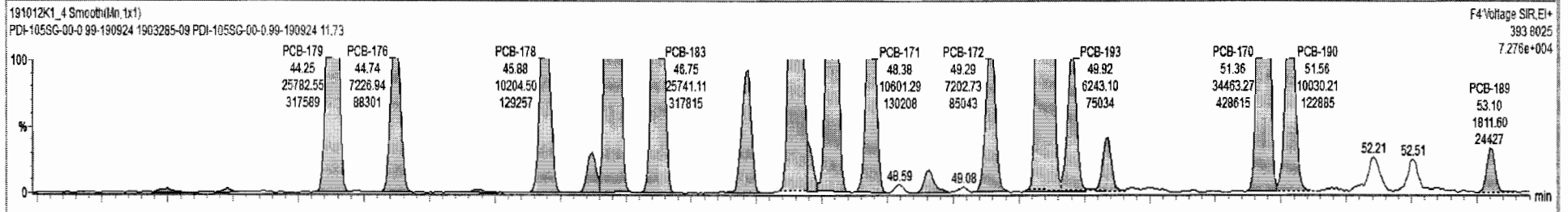
191012K1_4



191012K1_4_1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT.Fai	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.1112	5.638	0.00		0.000		NO	154.7	3.81	163.2	
231	231 3rd Function Hexa-PCBs				0.7739	5.638	0.00		0.000		NO	1104	4.03	1125	
232	232 4th Function Hexa-PCBs				0.9719	5.638	0.00		0.000		NO	2054	14.3	2056	
233	233 Total Hexa-PCBs				1.7636	5.638	0.00		0.000		NO	2234	13.6	2242	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.02	43.00	2.229e2	2.669e2	1.050	9.83	YES	0.97695	0.00600

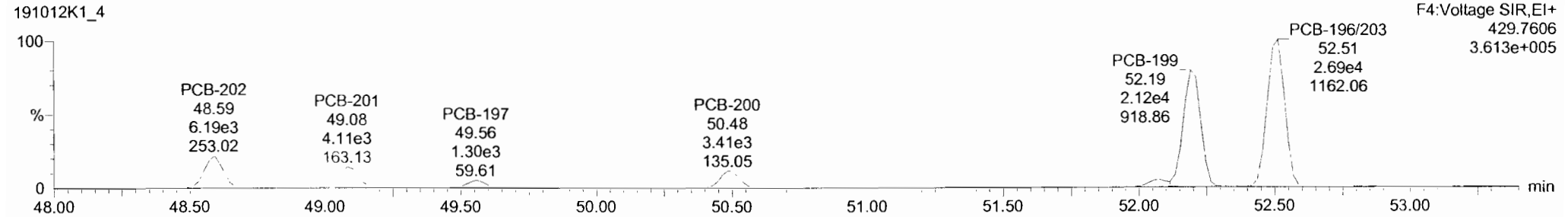
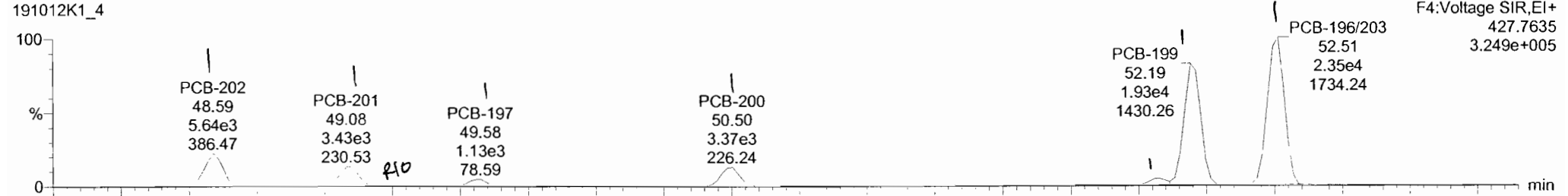


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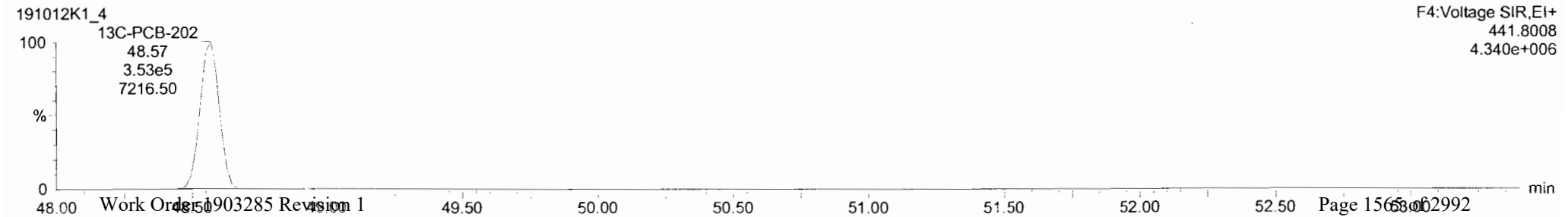
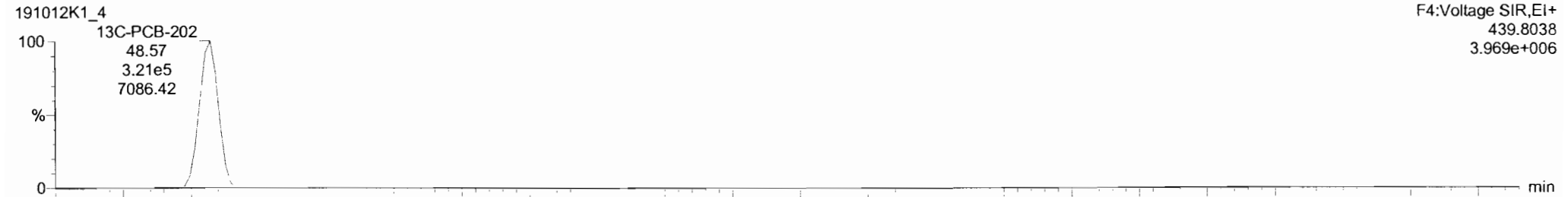
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

PCB-202



13C-PCB-202

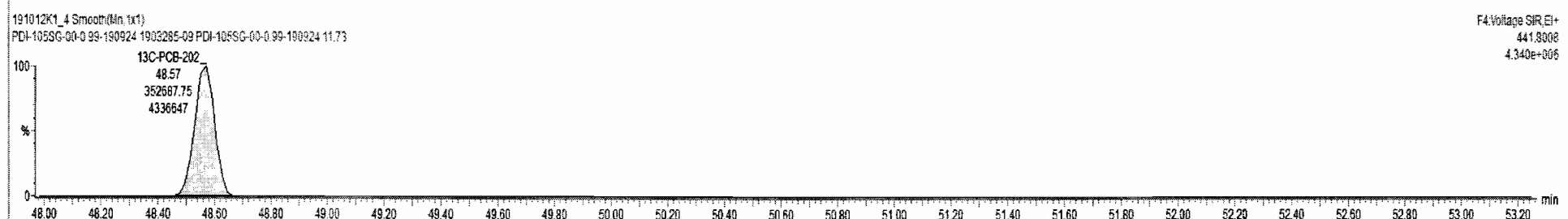
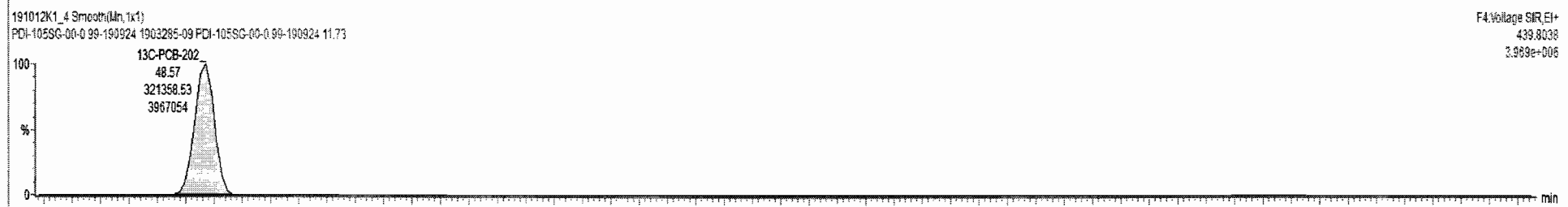
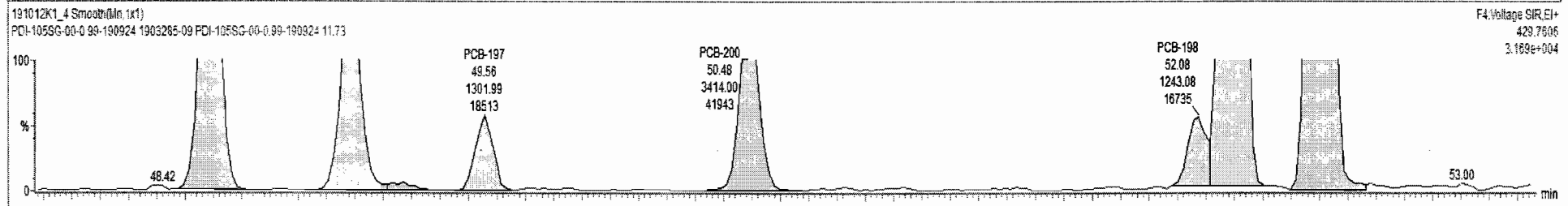
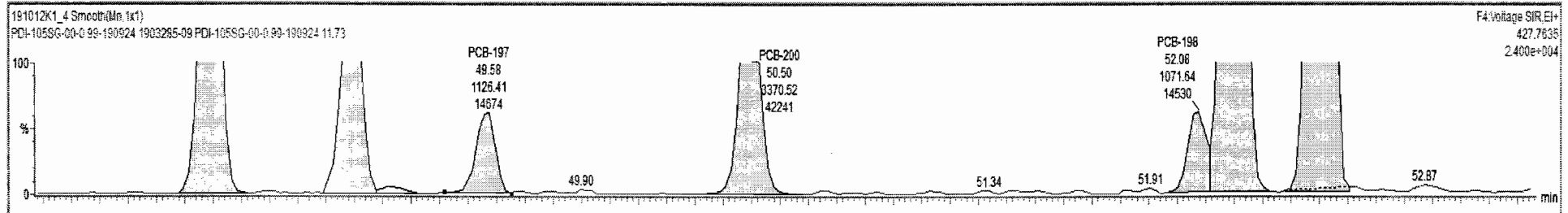




191012K1_4 - 1903285-09 PDI-105SG-00-0.99-190924 11.73 - PDI-105SG-00-0.99-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	4th Function Oda-PCBs				0.8863	5.638	0.00		0.00		NO	405.6		1.95	406.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.61	48.59	5.638e3	6.186e3	0.890	0.91	NO	30.362	30.362
2	155 PCB-201	49.10	49.08	3.427e3	4.114e3	0.890	0.83	NO	21.663	21.663
3	156 PCB-204	49.24	49.23	1.236e2	1.712e2	0.890	0.72	YES	0.70533	0.00000
4	157 PCB-197	49.56	49.58	1.125e3	1.392e3	0.890	0.87	NO	6.5273	6.5273
5	158 PCB-200	50.51	50.50	3.371e3	3.414e3	0.890	0.99	NO	18.710	18.710

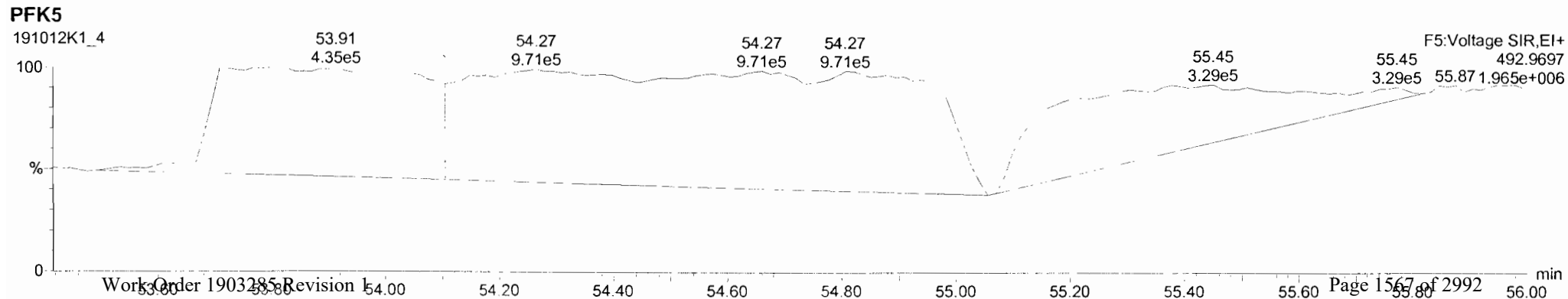
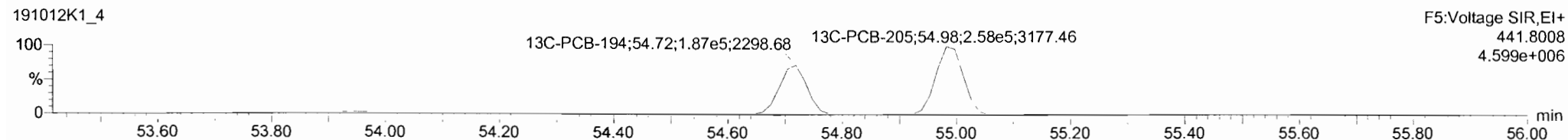
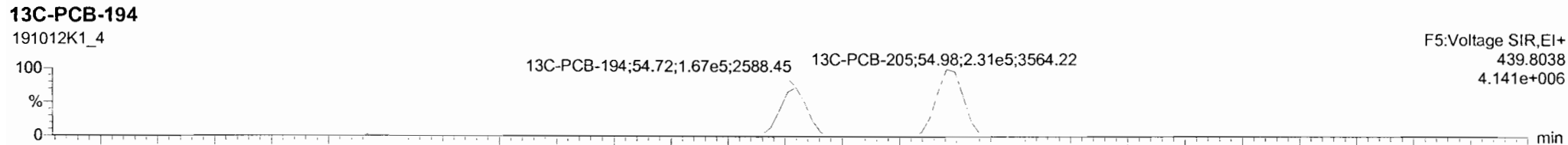
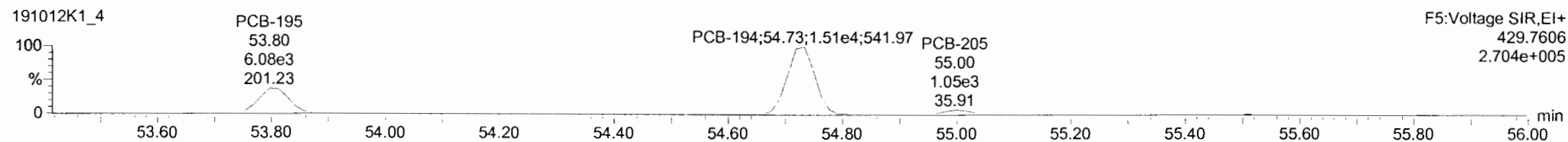
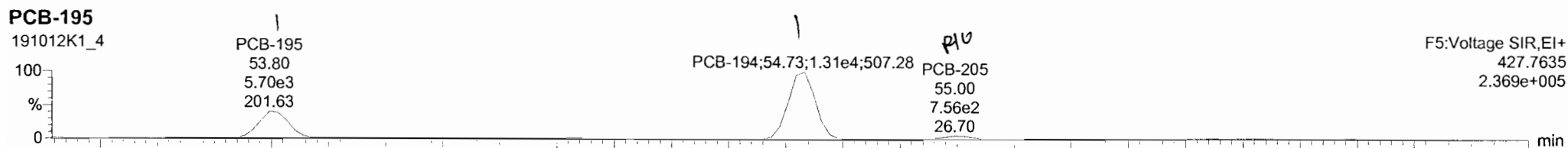


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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

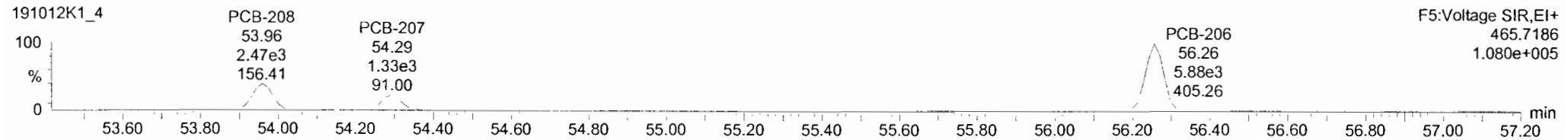
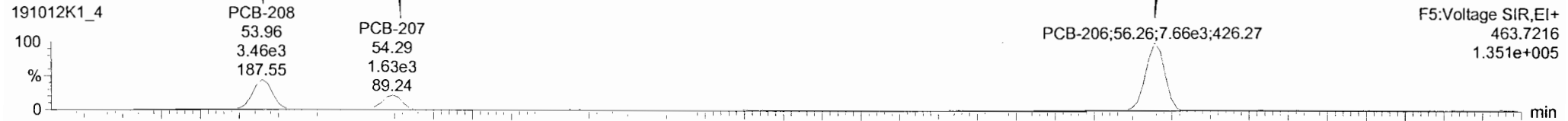


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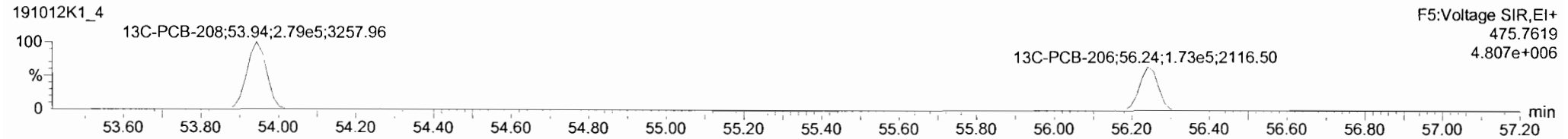
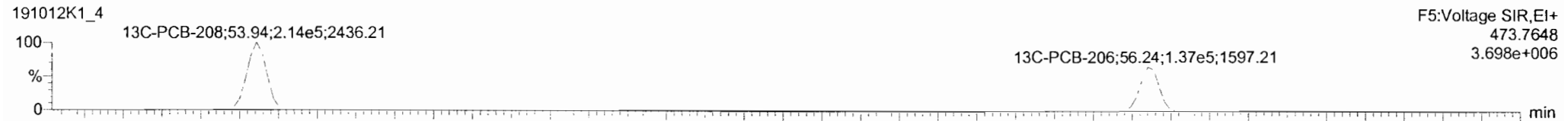
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

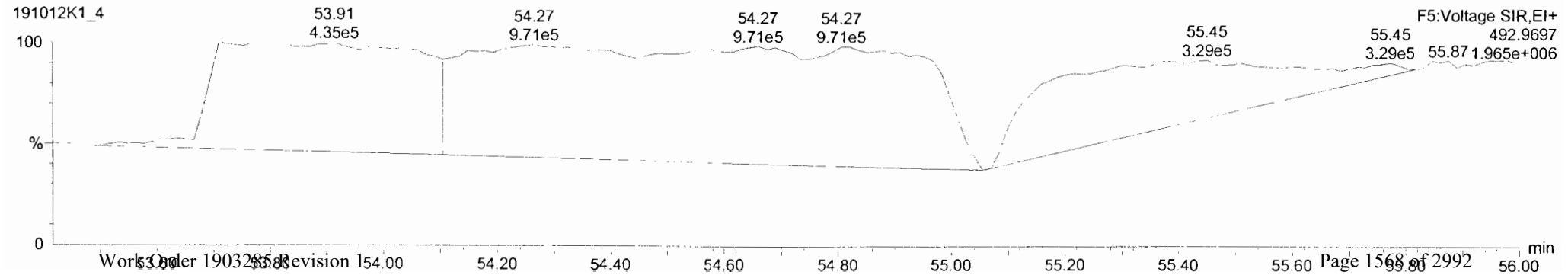
PCB-208



13C-PCB-208



PFK5



Dataset: Untitled

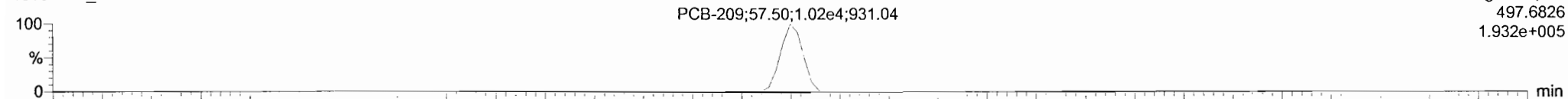
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_4, Date: 12-Oct-2019, Time: 17:51:38, ID: 1903285-09 PDI-105SG-00-0.99-190924 11.73, Description: PDI-105SG-00-0.99-190924

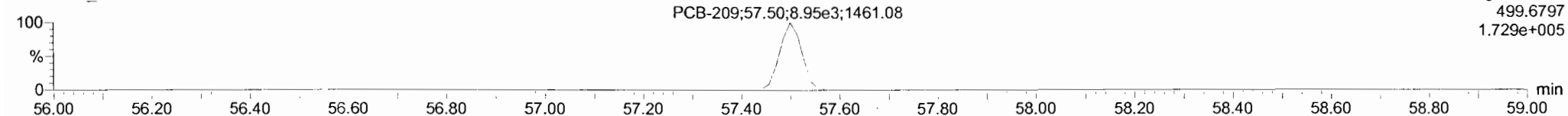
PCB-209

191012K1_4



F5:Voltage SIR,EI+
497.6826
1.932e+005

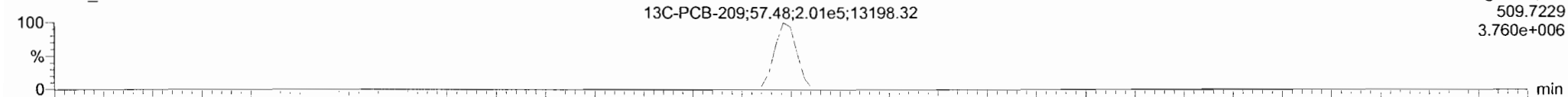
191012K1_4



F5:Voltage SIR,EI+
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1.729e+005

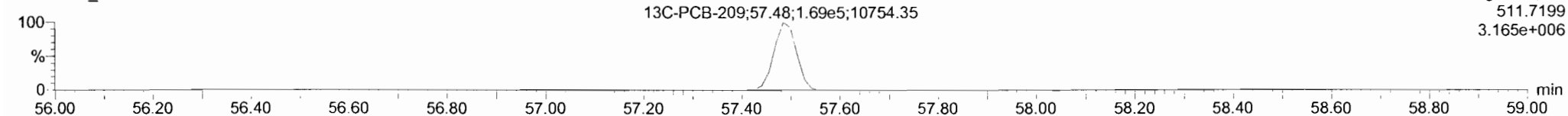
13C-PCB-209

191012K1_4



F5:Voltage SIR,EI+
509.7229
3.760e+006

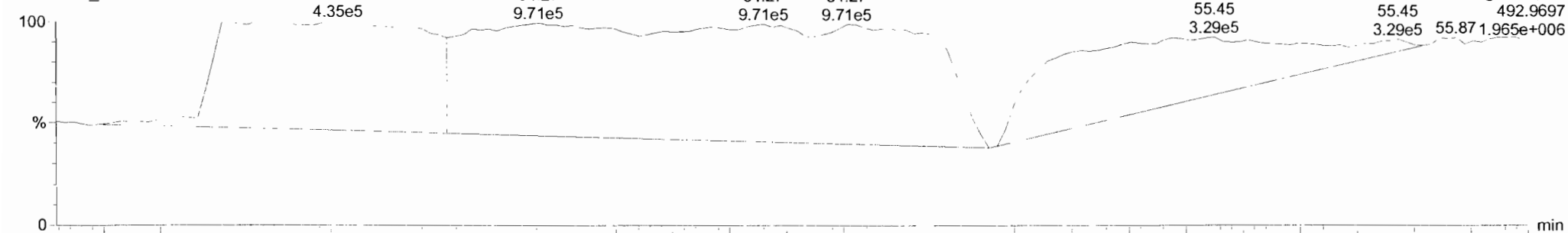
191012K1_4



F5:Voltage SIR,EI+
511.7199
3.165e+006

PFK5

191012K1_4



F5:Voltage SIR,EI+
492.9697
3.29e5 55.87 1.965e+006

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

Last Altered: Monday, October 21, 2019 14:47:32 Pacific Daylight Time

Printed: Monday, October 21, 2019 14:50:11 Pacific Daylight Time

EL 10-21-19

HC 10-31-19

C7, 11/06/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

#	Name	Abs Resp	RA	n/y	RRF	wt./vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	% Rec	DL	EMPG
1	1 PCB-1	2363.148	2.800	NO	1.02	5.579	15.53	15.54	1.00	1.00	NO	4.912		0.212	4.912
2	2 PCB-2	5122.555	2.858	NO	1.01	5.579	17.95	17.94	0.99	0.99	NO	10.25		0.224	10.25
3	3 PCB-3	2817.658	3.444	NO	1.01	5.579	18.18	18.18	1.00	1.00	NO	5.651		0.224	5.651
4	4 PCB-4/10	5536.309	1.566	NO	1.28	5.579	19.60	19.54	1.00	1.00	NO	15.29		2.14	15.29
5	5 PCB-7/9				0.976	5.579	21.40		1.00		YES			1.78	
6	6 PCB-6	3204.230	2.342	YES	1.02	5.579	22.05	22.06	1.03	1.03	NO	6.720		1.71	5.186
7	7 PCB-5/8	12975.027	1.517	NO	1.01	5.579	22.46	22.45	1.05	1.05	NO	27.58		1.72	27.58
8	8 PCB-14				1.03	5.579	23.61		0.95		YES			1.64	
9	9 PCB-11	39424.243	1.486	NO	1.10	5.579	24.82	24.82	1.00	1.00	NO	72.08		1.55	72.08
10	10 PCB-12/13				1.04	5.579	25.25		1.02		YES			1.63	
11	11 PCB-15	14425.558	1.639	NO	1.03	5.579	25.55	25.53	1.03	1.03	NO	28.11		1.65	28.11
12	12 PCB-19	6490.441	0.945	NO	0.934	5.579	23.78	23.78	1.00	1.00	NO	19.70		0.489	19.70
13	13 PCB-30				1.48	5.579	24.67		1.04		YES			0.308	
14	14 PCB-18	19058.876	0.918	NO	0.693	5.579	25.47	25.46	0.95	0.95	NO	50.29		0.439	50.29
15	15 PCB-17	9695.758	0.945	NO	0.667	5.579	25.63	25.63	0.96	0.96	NO	26.59		0.456	26.59
16	16 PCB-24/27	3043.648	0.994	NO	0.915	5.579	26.24	26.20	0.98	0.98	NO	6.086		0.333	6.086
17	17 PCB-16/32	16194.378	0.950	NO	0.792	5.579	26.77	26.76	1.00	1.00	NO	37.38		0.384	37.38
18	18 PCB-34	607.919	1.508	YES	0.987	5.579	27.57	27.57	0.96	0.96	NO	1.412		0.652	1.148
19	19 PCB-23				0.974	5.579	27.66		0.96		YES			0.661	
20	20 PCB-29				0.953	5.579	27.93		0.97		YES			0.676	
21	21 PCB-26	9139.342	1.112	NO	1.00	5.579	28.14	28.15	0.98	0.98	NO	20.93		0.643	20.93
22	22 PCB-25	5587.402	1.026	NO	0.978	5.579	28.31	28.32	0.98	0.99	NO	13.10		0.659	13.10
23	23 PCB-31	44898.436	1.012	NO	1.12	5.579	28.68	28.67	1.00	1.00	NO	91.65		0.573	91.65
24	24 PCB-28	51661.291	1.024	NO	1.11	5.579	28.76	28.78	1.00	1.00	NO	107.1		0.582	107.1
25	25 PCB-20/21/33	22400.264	1.006	NO	1.00	5.579	29.39	29.43	1.02	1.02	NO	51.18		0.642	51.18
26	26 PCB-22	15699.172	0.970	NO	1.03	5.579	29.86	29.86	1.04	1.04	NO	34.85		0.624	34.85
27	27 PCB-36				1.18	5.579	30.55		0.93		YES			0.532	
28	28 PCB-39				1.08	5.579	31.01		0.95		YES			0.578	
29	29 PCB-38	910.724	0.984	NO	1.13	5.579	31.82	31.82	0.97	0.97	NO	1.817		0.555	1.817
30	30 PCB-35	1425.573	1.465	YES	1.13	5.579	32.37	32.38	0.99	0.99	NO	2.834		0.553	2.346

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

Last Altered: Monday, October 21, 2019 14:47:32 Pacific Daylight Time

Printed: Monday, October 21, 2019 14:50:11 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

	Name	Abn Resp	RA	n/y	RRR	w/Vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPG
31	31 PCB-37	18599.930	1.103	NO	1.11	5.579	32.82	32.80	1.00	1.00	NO	37.85		0.566	37.85
32	32 PCB-54	1520.287	0.886	YES	0.996	5.579	27.61	27.63	1.00	1.00	NO	3.018		0.298	3.394
33	33 PCB-50	406.258	1.071	YES	0.781	5.579	28.81	28.82	1.04	1.04	NO	1.292		0.368	1.053
34	34 PCB-53	11049.633	0.705	NO	0.955	5.579	29.49	29.49	0.94	0.94	NO	31.56		0.357	31.56
35	35 PCB-51	6442.670	0.690	NO	1.02	5.579	29.84	29.84	0.95	0.95	NO	17.17		0.333	17.17
36	36 PCB-45	6420.001	0.821	NO	0.808	5.579	30.29	30.29	0.97	0.97	NO	21.67		0.422	21.67
37	37 PCB-46	2972.566	0.740	NO	0.754	5.579	30.79	30.79	0.99	0.99	NO	10.76		0.453	10.76
38	38 PCB-52/69	91649.586	0.721	NO	1.09	5.579	31.30	31.28	1.00	1.00	NO	229.0		0.313	229.0
39	39 PCB-73	278.760	1.033	YES	1.29	5.579	31.42	31.43	1.01	1.01	NO	0.5997		0.265	0.5133
40	40 PCB-43/49	56528.855	0.699	NO	0.940	5.579	31.58	31.59	1.01	1.01	NO	164.0		0.363	164.0
41	41 PCB-47	30162.458	0.696	NO	0.869	5.579	31.82	31.82	1.00	1.00	NO	88.19		0.402	88.19
42	42 PCB-48/75	11153.803	0.677	NO	1.02	5.579	31.93	31.93	1.00	1.00	NO	27.66		0.341	27.66
43	43 PCB-65				1.11	5.579	32.20		1.01		YES			0.315	
44	44 PCB-62				1.07	5.579	32.31		1.02		YES			0.328	
45	45 PCB-44	50524.051	0.720	NO	0.761	5.579	32.64	32.64	1.03	1.03	NO	168.7		0.459	168.7
46	46 PCB-42/59	19681.400	0.761	NO	0.960	5.579	32.86	32.88	1.03	1.03	NO	52.07		0.364	52.07
47	47 PCB-41/64/71/72	64516.688	0.717	NO	1.08	5.579	33.48	33.46	1.05	1.05	NO	151.5		0.323	151.5
48	48 PCB-68	1412.665	0.733	NO	1.11	5.579	33.74	33.72	1.06	1.06	NO	3.237		0.315	3.237
49	49 PCB-40	7212.398	0.757	NO	0.577	5.579	33.97	33.94	1.07	1.07	NO	31.77		0.606	31.77
50	50 PCB-57	460.192	1.154	YES	1.05	5.579	34.31	34.31	0.97	0.97	NO	0.9383		0.264	0.7712
51	51 PCB-67	2547.573	0.847	NO	0.993	5.579	34.64	34.63	0.98	0.98	NO	5.482		0.278	5.482
52	52 PCB-58				1.11	5.579	34.77		0.98		YES			0.248	
53	53 PCB-63	4087.469	0.765	NO	0.962	5.579	34.92	34.91	0.99	0.99	NO	9.080		0.287	9.080
54	54 PCB-74	41758.561	0.713	NO	1.07	5.579	35.21	35.20	0.99	0.99	NO	83.71		0.259	83.71
55	55 PCB-61/70	106145.746	0.702	NO	0.986	5.579	35.43	35.43	1.00	1.00	NO	230.1		0.280	230.1
56	56 PCB-76/66	95820.402	0.687	NO	1.07	5.579	35.59	35.63	1.00	1.01	NO	192.0		0.259	192.0
57	57 PCB-80				1.08	5.579	35.86		1.00		YES			0.237	
58	58 PCB-55	1327.207	0.727	NO	1.07	5.579	36.18	36.19	1.01	1.01	NO	2.532		0.241	2.532
59	59 PCB-56/60	58054.236	0.726	NO	0.934	5.579	36.68	36.69	1.02	1.02	NO	126.6		0.275	126.6
60	60 PCB-79	2302.730	0.865	NO	1.04	5.579	37.80	37.81	1.05	1.06	NO	4.491		0.246	4.491
61	61 PCB-78	518.548	0.475	YES	1.03	5.579	38.52	38.46	0.99	0.99	NO	1.002		0.249	0.7422
62	62 PCB-81	1617.516	0.655	NO	0.933	5.579	39.06	39.11	1.00	1.00	NO	3.456		0.275	3.456
63	63 PCB-77	15068.728	0.766	NO	1.03	5.579	39.67	39.67	1.00	1.00	NO	30.01		0.260	30.01
64	64 PCB-104				0.995	5.579	32.51		1.00		YES			0.303	

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

Last Altered: Monday, October 21, 2019 14:47:32 Pacific Daylight Time

Printed: Monday, October 21, 2019 14:50:11 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

#	Name	Abs Resp	RA	NY	RRF	uL/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPG
65	65 PCB-96	2166.134	1.629	NO	0.996	5.579	33.80	33.75	1.04	1.04	NO	4.209		0.303	4.209
66	66 PCB-103	3165.008	1.533	NO	0.774	5.579	34.37	34.33	1.06	1.06	NO	7.909		0.390	7.909
67	67 PCB-100	3112.045	1.544	NO	0.778	5.579	34.74	34.70	1.07	1.07	NO	7.744		0.388	7.744
68	68 PCB-94	1295.801	1.321	YES	0.773	5.579	35.19	35.17	0.99	0.98	NO	4.150		0.513	3.877
69	69 PCB-95/98/102	118965.258	1.537	NO	1.01	5.579	35.66	35.72	1.00	1.00	NO	290.4		0.391	290.4
70	70 PCB-93				0.841	5.579	35.78		1.00		YES			0.472	
71	71 PCB-88/91	23707.577	1.492	NO	0.890	5.579	36.13	36.13	1.01	1.01	NO	66.01		0.446	66.01
72	72 PCB-121				1.39	5.579	36.22		1.01		YES			0.286	
73	73 PCB-84/92	63944.195	1.425	NO	0.879	5.579	37.09	37.08	0.99	0.99	NO	177.7		0.459	177.7
74	74 PCB-89	1560.219	1.277	YES	0.959	5.579	37.30	37.27	1.00	1.00	NO	3.971		0.420	3.655
75	75 PCB-90/101	171597.843	1.482	NO	0.944	5.579	37.47	37.47	1.00	1.00	NO	443.9		0.427	443.9
76	76 PCB-113				1.23	5.579	37.72		1.01		YES			0.328	
77	77 PCB-99	77509.951	1.558	NO	1.12	5.579	37.82	37.81	1.01	1.01	NO	169.2		0.361	169.2
78	78 PCB-119	6474.284	1.437	NO	1.47	5.579	38.29	38.29	0.99	0.99	NO	11.67		0.289	11.67
79	79 PCB-108/112	7624.284	1.574	NO	1.25	5.579	38.45	38.46	0.99	0.99	NO	16.19		0.341	16.19
80	80 PCB-83				1.55	5.579	38.62		1.00		YES			0.275	
81	81 PCB-97	43595.904	1.485	NO	1.07	5.579	38.83	38.81	1.00	1.00	NO	107.6		0.396	107.6
82	82 PCB-86	461.697	1.632	NO	0.996	5.579	38.98	38.96	1.00	1.00	NO	1.230		0.428	1.230
83	83 PCB-87/117/125	65879.330	1.529	NO	1.33	5.579	39.09	39.11	1.01	1.01	NO	131.1		0.319	131.1
84	84 PCB-111/115	3956.943	1.285	YES	1.60	5.579	39.26	39.26	1.01	1.01	NO	6.555		0.266	6.049
85	85 PCB-85/116	28818.215	1.391	NO	1.22	5.579	39.38	39.37	1.02	1.01	NO	62.86		0.350	62.86
86	86 PCB-120	1169.378	1.167	YES	1.68	5.579	39.65	39.65	1.02	1.02	NO	1.845		0.263	1.630
87	87 PCB-110	231233.289	1.472	NO	1.49	5.579	39.79	39.78	1.03	1.03	NO	412.8		0.287	412.8
88	88 PCB-82	15867.616	1.485	NO	0.674	5.579	40.41	40.43	0.98	0.98	NO	45.59		0.471	45.59
89	89 PCB-124	8184.084	1.613	NO	1.16	5.579	41.15	41.14	0.99	0.99	NO	13.63		0.273	13.63
90	90 PCB-107/109	16024.313	1.475	NO	1.17	5.579	41.29	41.31	1.00	1.00	NO	26.62		0.272	26.62
91	91 PCB-123	3325.156	1.293	YES	1.04	5.579	41.46	41.46	1.00	1.00	NO	6.188		0.395	5.727
92	92 PCB-106/118	185357.023	1.455	NO	1.07	5.579	41.66	41.64	1.00	1.00	NO	321.4		0.288	321.4
93	93 PCB-114	2994.019	1.500	NO	1.16	5.579	42.32	42.32	1.00	1.00	NO	7.945		0.486	7.945
94	94 PCB-122	1511.415	1.829	YES	0.973	5.579	42.45	42.47	1.00	1.00	NO	4.790		0.580	4.335
95	95 PCB-105	49353.456	1.619	NO	1.10	5.579	43.21	43.21	1.00	1.00	NO	134.8		0.502	134.8
96	96 PCB-127				1.11	5.579	43.57		1.00		YES			0.488	
97	97 PCB-126	1200.517	1.422	NO	1.21	5.579	45.52	45.54	1.00	1.00	NO	3.160		0.498	3.160
98	98 PCB-155	170.910	1.276	NO	0.874	5.579	36.99	37.01	1.00	1.00	NO	0.4203		0.242	0.4203

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

	Name	Abn Resp	RA	dy	RRF	MLVol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DI	EMPG
99	99 PCB-150	949.118	0.977	YES	0.881	5.579	38.29	38.29	1.04	1.04	NO	2.346		0.240	2.067
100	100 PCB-152	422.459	1.356	NO	1.00	5.579	38.78	38.79	1.05	1.05	NO	0.9037		0.210	0.9037
101	101 PCB-145				1.00	5.579	39.22		1.06		YES			0.211	
102	102 PCB-136	31064.171	1.229	NO	0.843	5.579	39.58	39.58	1.07	1.07	NO	79.15		0.251	79.15
103	103 PCB-148	549.063	0.847	YES	0.693	5.579	39.69	39.71	1.07	1.07	NO	1.702		0.305	1.410
104	104 PCB-154	4129.283	1.181	NO	0.724	5.579	40.18	40.21	1.09	1.09	NO	12.26		0.292	12.26
105	105 PCB-151	40349.256	1.218	NO	0.632	5.579	40.85	40.86	1.11	1.11	NO	137.2		0.334	137.2
106	106 PCB-135	23016.347	1.232	NO	0.716	5.579	41.08	41.08	1.11	1.11	NO	69.08		0.295	69.08
107	107 PCB-144	6779.184	1.182	NO	0.667	5.579	41.18	41.20	1.11	1.11	NO	21.85		0.317	21.85
108	108 PCB-147	4298.817	1.245	NO	0.661	5.579	41.31	41.33	1.12	1.12	NO	13.97		0.320	13.97
109	109 PCB-139/149	143987.390	1.238	NO	0.738	5.579	41.59	41.59	1.13	1.12	NO	419.1		0.286	419.1
110	110 PCB-140	1351.287	1.164	NO	0.627	5.579	41.78	41.79	1.13	1.13	NO	4.628		0.337	4.628
111	111 PCB-134/143	6245.696	1.279	NO	0.733	5.579	42.27	42.26	0.97	0.97	NO	24.39		0.644	24.39
112	112 PCB-131/133	4092.029	1.033	YES	0.790	5.579	42.56	42.57	0.98	0.98	NO	14.83		0.598	13.61
113	113 PCB-142				0.708	5.579	42.71		0.99		YES			0.667	
114	114 PCB-146/165	26296.613	1.200	NO	0.959	5.579	42.96	42.96	0.99	0.99	NO	78.50		0.492	78.50
115	115 PCB-132/161	42587.986	1.194	NO	0.974	5.579	43.20	43.25	1.00	1.00	NO	125.2		0.485	125.2
116	116 PCB-153	156034.860	1.187	NO	1.01	5.579	43.38	43.38	1.00	1.00	NO	441.6		0.467	441.6
117	117 PCB-168				1.02	5.579	43.61		1.01		YES			0.463	
118	118 PCB-141	24974.340	1.125	NO	0.967	5.579	44.14	44.14	1.00	1.00	NO	87.70		0.590	87.70
119	119 PCB-137	5761.840	1.220	NO	0.987	5.579	44.52	44.53	1.01	1.01	NO	19.82		0.578	19.82
120	120 PCB-130	7661.450	1.203	NO	0.840	5.579	44.63	44.65	1.01	1.01	NO	30.97		0.680	30.97
121	121 PCB-138/163/164	174063.859	1.192	NO	1.23	5.579	45.03	45.03	1.00	1.00	NO	461.0		0.441	461.0
122	122 PCB-158/160	17121.467	1.217	NO	1.18	5.579	45.27	45.26	1.01	1.01	NO	47.20		0.459	47.20
123	123 PCB-129	4814.204	1.285	NO	0.819	5.579	45.52	45.52	1.01	1.01	NO	19.09		0.659	19.09
124	124 PCB-166	711.622	1.425	NO	1.07	5.579	46.00	45.99	0.99	0.99	NO	1.754		0.416	1.754
125	125 PCB-159				1.12	5.579	46.33		1.00		YES			0.397	
126	126 PCB-128/162	23351.777	1.153	NO	0.851	5.579	46.62	46.62	1.01	1.01	NO	72.33		0.523	72.33
127	127 PCB-167	7112.058	1.119	NO	1.04	5.579	47.04	47.04	1.00	1.00	NO	17.83		0.429	17.83
128	128 PCB-156	16308.362	1.179	NO	1.06	5.579	48.36	48.36	1.00	1.00	NO	40.81		0.429	40.81
129	129 PCB-157	3501.489	1.134	NO	0.978	5.579	48.67	48.65	1.00	1.00	NO	9.309		0.460	9.309
130	130 PCB-169				1.11	5.579	50.92		1.00		YES			0.459	
131	131 PCB-188	312.385	1.705	YES	1.19	5.579	43.02	43.02	1.00	1.00	NO	0.6797		0.326	0.5151
132	132 PCB-184	356.899	1.341	YES	1.17	5.579	43.46	43.47	1.01	1.01	NO	0.7941		0.333	0.6955

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

#	Name	Abs Resp	RA	n/y	RRF	wL/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Comp	%Rec	DL	EMPC
133	133 PCB-179	27801.295	1.066	NO	1.18	5.579	44.27	44.27	1.03	1.03	NO	61.36		0.330	61.36
134	134 PCB-176	7453.817	1.025	NO	1.16	5.579	44.74	44.74	1.04	1.04	NO	16.69		0.335	16.69
135	135 PCB-186				1.22	5.579	45.35		1.06		YES			0.319	
136	136 PCB-178	10063.374	1.008	NO	0.830	5.579	45.86	45.88	1.07	1.07	NO	31.46		0.468	31.46
137	137 PCB-175	2129.119	1.119	NO	0.849	5.579	46.22	46.24	1.08	1.08	NO	6.513		0.458	6.513
138	138 PCB-182/187	64587.080	1.044	NO	0.960	5.579	46.42	46.41	1.08	1.08	NO	174.6		0.405	174.6
139	139 PCB-183	27862.680	0.963	NO	0.957	5.579	46.75	46.75	1.09	1.09	NO	75.62		0.406	75.62
140	140 PCB-185	5424.864	1.126	NO	1.32	5.579	47.43	47.42	0.95	0.95	NO	14.85		0.416	14.85
141	141 PCB-174	44236.682	1.010	NO	1.22	5.579	47.80	47.79	0.96	0.96	NO	131.1		0.451	131.1
142	142 PCB-181	991.553	1.124	NO	1.41	5.579	47.90	47.89	0.96	0.96	NO	2.532		0.388	2.532
143	143 PCB-177	27015.169	1.055	NO	1.24	5.579	48.08	48.08	0.97	0.97	NO	78.66		0.443	78.66
144	144 PCB-171	12647.869	1.001	NO	1.24	5.579	48.37	48.38	0.97	0.97	NO	36.78		0.442	36.78
145	145 PCB-173	994.384	0.711	YES	1.14	5.579	48.81	48.82	0.98	0.98	NO	3.147		0.481	2.554
146	146 PCB-172	7389.973	1.010	NO	1.31	5.579	49.29	49.29	0.99	0.99	NO	20.42		0.420	20.42
147	147 PCB-192				1.70	5.579	49.48		1.00		YES			0.323	
148	148 PCB-180	106229.766	0.995	NO	1.32	5.579	49.69	49.71	1.00	1.00	NO	290.7		0.416	290.7
149	149 PCB-193	6935.776	0.946	NO	1.54	5.579	49.92	49.92	1.00	1.00	NO	16.28		0.357	16.28
150	150 PCB-191	1854.028	0.904	NO	1.57	5.579	50.16	50.18	1.01	1.01	NO	4.256		0.349	4.256
151	151 PCB-170	39358.451	0.992	NO	1.36	5.579	51.36	51.37	1.00	1.00	NO	121.5		0.461	121.5
152	152 PCB-190	11413.807	0.969	NO	1.84	5.579	51.54	51.56	1.00	1.00	NO	26.03		0.340	26.03
153	153 PCB-189	1834.258	1.216	YES	1.33	5.579	53.10	53.10	1.00	1.00	NO	4.432		0.349	4.100
154	154 PCB-202	6736.961	0.936	NO	1.02	5.579	48.61	48.59	1.00	1.00	NO	15.23		0.346	15.23
155	155 PCB-201	4152.625	1.053	YES	0.915	5.579	49.10	49.08	1.01	1.01	NO	10.51		0.387	9.672
156	156 PCB-204				0.979	5.579	49.24		1.01		YES			0.362	
157	157 PCB-197	1434.169	0.770	NO	0.979	5.579	49.56	49.56	1.02	1.02	NO	3.392		0.362	3.392
158	158 PCB-200	3904.819	1.087	YES	0.954	5.579	50.51	50.48	1.04	1.04	NO	9.477		0.371	8.583
159	159 PCB-198	1362.827	0.873	NO	0.748	5.579	52.06	52.08	1.07	1.07	NO	4.218		0.473	4.218
160	160 PCB-199	22632.150	0.838	NO	0.706	5.579	52.18	52.19	1.07	1.07	NO	74.24		0.502	74.24
161	161 PCB-196/203	22131.752	0.955	NO	0.785	5.579	52.50	52.51	1.08	1.08	NO	65.30		0.451	65.30
162	162 PCB-195	5628.125	0.884	NO	1.03	5.579	53.82	53.80	0.98	0.98	NO	26.98		0.673	26.98
163	163 PCB-194	14397.613	0.987	NO	1.16	5.579	54.74	54.73	1.00	1.00	NO	61.69		0.602	61.69
164	164 PCB-205	1023.503	0.774	NO	1.40	5.579	55.00	55.00	1.01	1.01	NO	3.620		0.497	3.620
165	165 PCB-208	4076.319	1.283	NO	0.934	5.579	53.96	53.96	1.00	1.00	NO	15.26		0.290	15.26
166	166 PCB-207	1697.981	1.130	YES	0.912	5.579	54.28	54.29	1.01	1.01	NO	6.511		0.297	6.031

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

	Name	Abs Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPG
167	167 PCB-206	8121.640	1.259	NO	0.987	5.579	56.26	56.25	1.00	1.00	NO	43.43		0.402	43.43
168	168 PCB-209	11698.797	1.140	NO	0.943	5.579	57.48	57.50	1.00	1.00	NO	52.64		0.202	52.64
169	169 13C-PCB-1	844835.516	3.215	NO	1.08	5.579	15.53	15.52	0.61	0.61	NO	1317	73.5	1.74	
170	170 13C-PCB-3	887530.375	2.944	NO	1.09	5.579	18.17	18.17	0.71	0.71	NO	1367	76.3	1.72	
171	171 13C-PCB-4	508708.953	1.564	NO	0.640	5.579	19.53	19.52	0.77	0.76	NO	1336	74.5	0.743	
172	172 13C-PCB-9	834057.969	1.542	NO	0.995	5.579	21.36	21.34	0.84	0.84	NO	1408	78.6	0.478	
173	173 13C-PCB-11	894391.656	1.567	NO	0.971	5.579	24.81	24.80	0.97	0.97	NO	1547	86.3	0.490	
174	174 13C-PCB-19	631927.469	0.958	NO	0.637	5.579	23.77	23.75	0.93	0.93	NO	1666	93.0	7.12	
175	175 13C-PCB-32	980110.469	0.970	NO	0.910	5.579	26.76	26.75	1.05	1.05	NO	1810	101	4.99	
176	176 13C-PCB-28	781719.157	0.938	NO	1.07	5.579	28.76	28.75	1.00	1.00	NO	1407	78.5	5.98	
177	177 13C-PCB-37	796011.438	0.951	NO	0.959	5.579	32.74	32.78	1.14	1.14	NO	1597	89.1	6.67	
178	178 13C-PCB-54	756465.062	0.727	NO	1.10	5.579	27.60	27.59	0.75	0.75	NO	1217	67.9	1.44	
179	179 13C-PCB-52	657152.438	0.739	NO	0.844	5.579	31.26	31.26	0.85	0.85	NO	1376	76.7	1.88	
180	180 13C-PCB-47	705650.032	0.724	NO	0.893	5.579	31.78	31.80	0.87	0.87	NO	1396	77.9	1.77	
181	181 13C-PCB-70	838887.344	0.739	NO	1.01	5.579	35.41	35.41	0.97	0.97	NO	1471	82.1	1.57	
182	182 13C-PCB-80	879577.469	0.754	NO	1.05	5.579	35.84	35.84	0.98	0.98	NO	1486	82.9	1.51	
183	183 13C-PCB-81	898880.032	0.730	NO	0.985	5.579	39.04	39.04	1.06	1.06	NO	1613	90.0	1.61	
184	184 13C-PCB-77	871559.157	0.733	NO	0.958	5.579	39.65	39.65	1.08	1.08	NO	1607	89.7	1.65	
185	185 13C-PCB-104	926297.407	1.576	NO	1.10	5.579	32.45	32.49	0.83	0.83	NO	1374	76.6	0.802	
186	186 13C-PCB-95	723573.844	1.545	NO	0.852	5.579	35.70	35.71	0.91	0.91	NO	1381	77.1	1.03	
187	187 13C-PCB-101	734024.782	1.553	NO	0.814	5.579	37.44	37.46	0.95	0.95	NO	1467	81.9	1.08	
188	188 13C-PCB-97	675804.438	1.574	NO	0.709	5.579	38.79	38.79	0.99	0.99	NO	1550	86.5	1.24	
189	189 13C-PCB-123	924980.501	1.584	NO	0.922	5.579	41.44	41.44	1.06	1.06	NO	1633	91.1	0.955	
190	190 13C-PCB-118	965951.626	1.617	NO	0.975	5.579	41.62	41.62	1.06	1.06	NO	1612	89.9	0.903	
191	191 13C-PCB-114	581452.516	1.474	NO	1.52	5.579	42.30	42.30	0.91	0.91	NO	1223	68.3	1.58	
192	192 13C-PCB-105	596009.079	1.493	NO	1.58	5.579	43.19	43.19	0.93	0.93	NO	1203	67.1	1.51	
193	193 13C-PCB-127	621734.547	1.482	NO	1.62	5.579	43.53	43.55	0.93	0.93	NO	1226	68.4	1.48	
194	194 13C-PCB-126	561469.141	1.481	NO	1.45	5.579	45.50	45.50	0.98	0.98	NO	1242	69.3	1.66	
195	195 13C-PCB-155	834138.063	1.298	NO	1.03	5.579	36.99	36.97	0.94	0.94	NO	1322	73.8	0.287	
196	196 13C-PCB-153	625778.250	1.214	NO	1.42	5.579	43.37	43.36	0.93	0.93	NO	1405	78.4	2.57	
197	197 13C-PCB-141	527784.110	1.260	NO	1.14	5.579	44.12	44.12	0.95	0.95	NO	1476	82.4	3.21	
198	198 13C-PCB-138	551762.484	1.241	NO	1.18	5.579	45.00	44.99	0.97	0.97	NO	1495	83.4	3.11	
199	199 13C-PCB-159	680286.188	1.241	NO	1.43	5.579	46.31	46.32	0.99	0.99	NO	1517	84.7	2.56	
200	200 13C-PCB-167	685686.000	1.240	NO	1.42	5.579	47.03	47.02	1.01	1.01	NO	1539	85.9	2.57	

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

Name	Abs Resp	RA	n/y	RRF	WL No.	Pred RT	RT	Pred RRT	RRT	Check RR	Conc.	% Rec	DL	EMPG	
201	201 13C-PCB-156	677701.594	1.224	NO	1.40	5.579	48.33	48.34	1.04	1.04	NO	1550	86.5	2.62	
202	202 13C-PCB-157	689497.562	1.205	NO	1.41	5.579	48.63	48.63	1.04	1.04	NO	1567	87.4	2.61	
203	203 13C-PCB-169	618616.344	1.243	NO	1.35	5.579	50.90	50.90	1.09	1.09	NO	1469	82.0	2.72	
204	204 13C-PCB-188	690437.188	0.442	NO	1.46	5.579	43.00	42.98	0.93	0.93	NO	1500	83.7	0.650	
205	205 13C-PCB-180	496199.000	0.444	NO	0.932	5.579	49.67	49.67	1.07	1.07	NO	1692	94.4	1.02	
206	206 13C-PCB-170	426637.047	0.447	NO	0.796	5.579	51.34	51.34	1.11	1.11	NO	1704	95.1	1.20	
207	207 13C-PCB-189	556657.875	0.452	NO	1.09	5.579	53.05	53.08	1.14	1.14	NO	1622	90.5	0.872	
208	208 13C-PCB-202	774015.469	0.929	NO	1.45	5.579	48.56	48.57	1.04	1.04	NO	1696	94.6	0.562	
209	209 13C-PCB-194	361834.390	0.884	NO	0.714	5.579	54.73	54.72	1.00	0.99	NO	1710	95.4	1.40	
210	210 13C-PCB-208	512467.125	0.766	NO	0.896	5.579	53.98	53.94	0.98	0.98	NO	1929	108	0.979	
211	211 13C-PCB-206	339424.250	0.783	NO	0.653	5.579	56.24	56.24	1.02	1.02	NO	1754	97.9	1.34	
212	212 13C-PCB-209	422561.172	1.185	NO	0.806	5.579	57.49	57.48	1.05	1.05	NO	1770	98.7	0.324	
213	213 13C-PCB-15	1066675.5...	1.546	NO	1.00	5.579	25.49	25.52	1.00	0.00	NO	1792	100	0.476	
214	214 13C-PCB-31	931222.844	0.961	NO	1.00	5.579	28.64	28.65	1.00	0.00	NO	1792	100	6.40	
215	215 13C-PCB-60	1014309.0...	0.741	NO	1.00	5.579	36.66	36.67	1.00	0.00	NO	1792	100	1.58	
216	216 13C-PCB-111	1101814.6...	1.571	NO	1.00	5.579	39.22	39.24	1.00	0.00	NO	1792	100	0.880	
217	217 13C-PCB-128	560670.297	1.223	NO	1.00	5.579	46.58	46.60	1.00	0.00	NO	1792	100	3.67	
218	218 13C-PCB-182	564090.891	0.440	NO	1.00	5.579	46.41	46.41	0.00	0.00	NO	1792	100	0.951	
219	219 13C-PCB-205	531333.312	0.886	NO	1.00	5.579	54.98	55.00	1.00	0.00	NO	1792	100	0.998	
220	220 13C-PCB-79	971050.657	0.740	NO	1.03	5.579	37.77	37.77	1.03	1.03	NO	1663	92.8	1.53	
221	221 13C-PCB-178	487924.922	0.444	NO	0.875	5.579	45.86	45.86	0.99	0.99	NO	1783	99.5	1.14	
222	222 13C-PCB-79	971050.657	0.740	NO	1.05	5.579	37.77	37.77	0.97	0.97	NO	1852	103	1.75	
223	223 13C-PCB-178	487924.922	0.444	NO	0.975	5.579	45.88	45.86	0.92	0.92	NO	1808	101	1.15	
224	224 Total Mono-PCBs				1.01	5.579	0.00		0.00		NO	20.81		0.660	20.81
225	225 Total Di-PCBs				1.06	5.579	0.00		0.00		NO	143.1		13.8	148.3
226	226 2nd Function Tri-PCBs				0.914	5.579	0.00		0.00		NO	140.0	498.5 ✓	2.41	140.0
227	227 3rd Function Tri-PCBs				1.06	5.579	0.00		0.00		NO	358.5	502 ✓	8.50	362.0
228	228 Total Tetra-PCBs				0.986	5.579	0.00		0.00		NO	1685		10.3	1691
229	229 3rd Function Penta-PCBs				1.12	5.579	0.00		0.00		NO	2318	2463.9 ✓	10.3	2339
230	230 4th Function Penta-PCBs				1.11	5.579	0.00		0.00		NO	145.9	2489.3 ✓	2.55	150.3
231	231 3rd Function Hexa-PCBs				0.774	5.579	0.00		0.00		NO	758.5	2236.5 ✓	3.64	762.0
232	232 4th Function Hexa-PCBs				0.972	5.579	0.00		0.00		NO	1478	2253 ✓	10.3	1491
233	233 Total Hepta-PCBs				1.26	5.579	0.00		0.00		NO	1109		8.99	1117
234	234 4th Function Octa-PCBs				0.886	5.579	0.00		0.00		NO	162.4	254.69 ✓	3.25	180.6

92.29
92.9
254.69
10/31/19
92.9
92.29

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

	Name	Abs Resp	RA	n/y	RRE	wLVol	Pred RT	RT	Pred RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
235	235 5th Function Octa-PCBs				1.20	5.579	0.00		0.00		NO	92.29		1.77	92.29
236	236 Total Nona-PCBs				0.945	5.579	0.00		0.00		NO	58.69		0.990	64.72
237	237 Deca-CB				0.943	5.579	0.00		0.00		NO	52.64		0.202	52.64

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Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\ldb1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

Total Mono-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
3	PCB-3	2.82e3	8.88e5	3.444	NO	18.18	18.18	5.651	5.651
2	PCB-2	5.12e3	8.88e5	2.858	NO	17.95	17.94	10.25	10.25
1	PCB-1	2.36e3	8.45e5	2.800	NO	15.53	15.54	4.912	4.912

Total Di-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
4	PCB-4/10	5.54e3	5.09e5	1.566	NO	19.60	19.54	15.29	15.29
11	PCB-15	1.44e4	8.94e5	1.639	NO	25.55	25.53	28.11	28.11
9	PCB-11	3.94e4	8.94e5	1.486	NO	24.82	24.82	72.08	72.08
7	PCB-5/8	1.30e4	8.34e5	1.517	NO	22.46	22.45	27.58	27.58
6	PCB-6	3.20e3	8.34e5	2.342	YES	22.05	22.06	0.0000	5.186

2nd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
12	PCB-19	6.49e3	6.32e5	0.945	NO	23.78	23.78	19.70	19.70
17	PCB-16/32	1.62e4	9.80e5	0.950	NO	26.77	26.76	37.38	37.38
16	PCB-24/27	3.04e3	9.80e5	0.994	NO	26.24	26.20	6.086	6.086
15	PCB-17	9.70e3	9.80e5	0.945	NO	25.63	25.63	26.59	26.59
14	PCB-18	1.91e4	9.80e5	0.918	NO	25.47	25.46	50.29	50.29

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

3rd Function Tri-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred. RT	RT	Conc.	EMPC
26	PCB-22	1.57e4	7.82e5	0.970	NO	29.86	29.86	34.85	34.85
25	PCB-20/21/33	2.24e4	7.82e5	1.006	NO	29.39	29.43	51.18	51.18
24	PCB-28	5.17e4	7.82e5	1.024	NO	28.76	28.78	107.1	107.1
23	PCB-31	4.49e4	7.82e5	1.012	NO	28.68	28.67	91.65	91.65
22	PCB-25	5.59e3	7.82e5	1.026	NO	28.31	28.32	13.10	13.10
21	PCB-26	9.14e3	7.82e5	1.112	NO	28.14	28.15	20.93	20.93
18	PCB-34	6.08e2	7.82e5	1.508	YES	27.57	27.57	0.0000	1.148
31	PCB-37	1.86e4	7.96e5	1.103	NO	32.82	32.80	37.85	37.85
30	PCB-35	1.43e3	7.96e5	1.465	YES	32.37	32.38	0.0000	2.346
29	PCB-38	9.11e2	7.96e5	0.984	NO	31.82	31.82	1.817	1.817

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Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

Total Tetra-PCBs

#	Name	Area	IS Area	RA	YN	Pred RT	RT	Conc	EMPC
42	PCB-48/75	1.12e4	7.06e5	0.677	NO	31.93	31.93	27.66	27.66
41	PCB-47	3.02e4	7.06e5	0.696	NO	31.82	31.82	88.19	88.19
40	PCB-43/49	5.65e4	6.57e5	0.699	NO	31.58	31.59	164.0	164.0
38	PCB-52/69	9.16e4	6.57e5	0.721	NO	31.30	31.28	229.0	229.0
37	PCB-46	2.97e3	6.57e5	0.740	NO	30.79	30.79	10.76	10.76
36	PCB-45	6.42e3	6.57e5	0.821	NO	30.29	30.29	21.67	21.67
35	PCB-51	6.44e3	6.57e5	0.690	NO	29.84	29.84	17.17	17.17
34	PCB-53	1.10e4	6.57e5	0.705	NO	29.49	29.49	31.56	31.56
33	PCB-50	4.06e2	7.56e5	1.071	YES	28.81	28.82	0.0000	1.053
32	PCB-54	1.52e3	7.56e5	0.886	YES	27.61	27.63	0.0000	3.394
59	PCB-56/60	5.81e4	8.80e5	0.726	NO	36.68	36.69	126.6	126.6
58	PCB-55	1.33e3	8.80e5	0.727	NO	36.18	36.19	2.532	2.532
56	PCB-76/66	9.58e4	8.39e5	0.687	NO	35.59	35.63	192.0	192.0
55	PCB-61/70	1.06e5	8.39e5	0.702	NO	35.43	35.43	230.1	230.1
54	PCB-74	4.18e4	8.39e5	0.713	NO	35.21	35.20	83.71	83.71
53	PCB-63	4.09e3	8.39e5	0.765	NO	34.92	34.91	9.080	9.080
51	PCB-67	2.55e3	8.39e5	0.847	NO	34.64	34.63	5.482	5.482
50	PCB-57	4.60e2	8.39e5	1.154	YES	34.31	34.31	0.0000	0.7712
49	PCB-40	7.21e3	7.06e5	0.757	NO	33.97	33.94	31.77	31.77
48	PCB-68	1.41e3	7.06e5	0.733	NO	33.74	33.72	3.237	3.237
47	PCB-41/64/71/72	6.45e4	7.06e5	0.717	NO	33.48	33.46	151.5	151.5
46	PCB-42/59	1.97e4	7.06e5	0.761	NO	32.86	32.88	52.07	52.07
45	PCB-44	5.05e4	7.06e5	0.720	NO	32.64	32.64	168.7	168.7
63	PCB-77	1.51e4	8.72e5	0.766	NO	39.67	39.67	30.01	30.01
62	PCB-81	1.62e3	8.99e5	0.655	NO	39.06	39.11	3.456	3.456
61	PCB-78	5.19e2	8.99e5	0.475	YES	38.52	38.46	0.0000	0.7422
60	PCB-79	2.30e3	8.80e5	0.865	NO	37.80	37.81	4.491	4.491
39	PCB-73	2.79e2	6.57e5	1.033	YES	31.42	31.43	0.0000	0.5133

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

3rd Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
68	PCB-94	1.30e3	7.24e5	1.321	YES	35.19	35.17	0.0000	3.877
67	PCB-100	3.11e3	9.26e5	1.544	NO	34.74	34.70	7.744	7.744
66	PCB-103	3.17e3	9.26e5	1.533	NO	34.37	34.33	7.909	7.909
65	PCB-96	2.17e3	9.26e5	1.629	NO	33.80	33.75	4.209	4.209
87	PCB-110	2.31e5	6.76e5	1.472	NO	39.79	39.78	412.8	412.8
86	PCB-120	1.17e3	6.76e5	1.167	YES	39.65	39.65	0.0000	1.630
85	PCB-85/116	2.88e4	6.76e5	1.391	NO	39.38	39.37	62.86	62.86
84	PCB-111/115	3.96e3	6.76e5	1.285	YES	39.26	39.26	0.0000	6.049
83	PCB-87/117/125	6.59e4	6.76e5	1.529	NO	39.09	39.11	131.1	131.1
81	PCB-97	4.36e4	6.76e5	1.485	NO	38.83	38.81	107.6	107.6
79	PCB-108/112	7.62e3	6.76e5	1.574	NO	38.45	38.46	16.19	16.19
78	PCB-119	6.47e3	6.76e5	1.437	NO	38.29	38.29	11.67	11.67
77	PCB-99	7.75e4	7.34e5	1.558	NO	37.82	37.81	169.2	169.2
75	PCB-90/101	1.72e5	7.34e5	1.482	NO	37.47	37.47	443.9	443.9
74	PCB-89	1.56e3	7.34e5	1.277	YES	37.30	37.27	0.0000	3.655
73	PCB-84/92	6.39e4	7.34e5	1.425	NO	37.09	37.08	177.7	177.7
71	PCB-88/91	2.37e4	7.24e5	1.492	NO	36.13	36.13	66.01	66.01
69	PCB-95/98/102	1.19e5	7.24e5	1.537	NO	35.66	35.72	290.4	290.4
92	PCB-106/118	1.85e5	9.66e5	1.455	NO	41.66	41.64	321.4	321.4
91	PCB-123	3.33e3	9.25e5	1.293	YES	41.46	41.46	0.0000	5.727
90	PCB-107/109	1.60e4	9.25e5	1.475	NO	41.29	41.31	26.62	26.62
89	PCB-124	8.18e3	9.25e5	1.613	NO	41.15	41.14	13.63	13.63
88	PCB-82	1.59e4	9.25e5	1.485	NO	40.41	40.43	45.59	45.59
82	PCB-86	4.62e2	6.76e5	1.632	NO	38.98	38.96	1.230	1.230

4th Function Penta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
95	PCB-105	4.94e4	5.96e5	1.619	NO	43.21	43.21	134.8	134.8
94	PCB-122	1.51e3	5.81e5	1.829	YES	42.45	42.47	0.0000	4.335
93	PCB-114	2.99e3	5.81e5	1.500	NO	42.32	42.32	7.945	7.945
97	PCB-126	1.20e3	5.61e5	1.422	NO	45.52	45.54	3.160	3.160

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Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

3rd Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
1	108 PCB-147	4.30e3	8.34e5	1.245	NO	41.31	41.33	13.97	13.97
2	107 PCB-144	6.78e3	8.34e5	1.182	NO	41.18	41.20	21.85	21.85
3	106 PCB-135	2.30e4	8.34e5	1.232	NO	41.08	41.08	69.08	69.08
4	105 PCB-151	4.03e4	8.34e5	1.218	NO	40.85	40.86	137.2	137.2
5	104 PCB-154	4.13e3	8.34e5	1.181	NO	40.18	40.21	12.26	12.26
6	102 PCB-136	3.11e4	8.34e5	1.229	NO	39.58	39.58	79.15	79.15
7	100 PCB-152	4.22e2	8.34e5	1.356	NO	38.78	38.79	0.9037	0.9037
8	99 PCB-150	9.49e2	8.34e5	0.977	YES	38.29	38.29	0.0000	2.067
9	98 PCB-155	1.71e2	8.34e5	1.276	NO	36.99	37.01	0.4203	0.4203
10	110 PCB-140	1.35e3	8.34e5	1.164	NO	41.78	41.79	4.628	4.628
11	109 PCB-139/149	1.44e5	8.34e5	1.238	NO	41.59	41.59	419.1	419.1
12	103 PCB-148	5.49e2	8.34e5	0.847	YES	39.69	39.71	0.0000	1.410

4th Function Hexa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
1	120 PCB-130	7.66e3	5.28e5	1.203	NO	44.63	44.65	30.97	30.97
2	119 PCB-137	5.76e3	5.28e5	1.220	NO	44.52	44.53	19.82	19.82
3	118 PCB-141	2.50e4	5.28e5	1.125	NO	44.14	44.14	87.70	87.70
4	116 PCB-153	1.56e5	6.26e5	1.187	NO	43.38	43.38	441.6	441.6
5	115 PCB-132/161	4.26e4	6.26e5	1.194	NO	43.20	43.25	125.2	125.2
6	114 PCB-146/165	2.63e4	6.26e5	1.200	NO	42.96	42.96	78.50	78.50
7	112 PCB-131/133	4.09e3	6.26e5	1.033	YES	42.56	42.57	0.0000	13.61
8	111 PCB-134/143	6.25e3	6.26e5	1.279	NO	42.27	42.26	24.39	24.39
9	129 PCB-157	3.50e3	6.89e5	1.134	NO	48.67	48.65	9.309	9.309
10	128 PCB-156	1.63e4	6.78e5	1.179	NO	48.36	48.36	40.81	40.81
11	127 PCB-167	7.11e3	6.86e5	1.119	NO	47.04	47.04	17.83	17.83
12	126 PCB-128/162	2.34e4	6.80e5	1.153	NO	46.62	46.62	72.33	72.33
13	124 PCB-166	7.12e2	6.80e5	1.425	NO	46.00	45.99	1.754	1.754
14	123 PCB-129	4.81e3	5.52e5	1.285	NO	45.52	45.52	19.09	19.09
15	122 PCB-158/160	1.71e4	5.52e5	1.217	NO	45.27	45.26	47.20	47.20
16	121 PCB-138/163/164	1.74e5	5.52e5	1.192	NO	45.03	45.03	461.0	461.0

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

Total Hepta-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
133	PCB-179	2.78e4	6.90e5	1.066	NO	44.27	44.27	61.36	61.36
132	PCB-184	3.57e2	6.90e5	1.341	YES	43.46	43.47	0.0000	0.6955
131	PCB-188	3.12e2	6.90e5	1.705	YES	43.02	43.02	0.0000	0.5151
151	PCB-170	3.94e4	4.27e5	0.992	NO	51.36	51.37	121.5	121.5
150	PCB-191	1.85e3	4.96e5	0.904	NO	50.16	50.18	4.256	4.256
149	PCB-193	6.94e3	4.96e5	0.946	NO	49.92	49.92	16.28	16.28
148	PCB-180	1.06e5	4.96e5	0.995	NO	49.69	49.71	290.7	290.7
146	PCB-172	7.39e3	4.96e5	1.010	NO	49.29	49.29	20.42	20.42
145	PCB-173	9.94e2	4.96e5	0.711	YES	48.81	48.82	0.0000	2.554
144	PCB-171	1.26e4	4.96e5	1.001	NO	48.37	48.38	36.78	36.78
143	PCB-177	2.70e4	4.96e5	1.055	NO	48.08	48.08	78.66	78.66
141	PCB-174	4.42e4	4.96e5	1.010	NO	47.80	47.79	131.1	131.1
140	PCB-185	5.42e3	4.96e5	1.126	NO	47.43	47.42	14.85	14.85
139	PCB-183	2.79e4	6.90e5	0.963	NO	46.75	46.75	75.62	75.62
138	PCB-182/187	6.46e4	6.90e5	1.044	NO	46.42	46.41	174.6	174.6
137	PCB-175	2.13e3	6.90e5	1.119	NO	46.22	46.24	6.513	6.513
136	PCB-178	1.01e4	6.90e5	1.008	NO	45.86	45.88	31.46	31.46
134	PCB-176	7.45e3	6.90e5	1.025	NO	44.74	44.74	16.69	16.69
153	PCB-189	1.83e3	5.57e5	1.216	YES	53.10	53.10	0.0000	4.100
152	PCB-190	1.14e4	4.27e5	0.969	NO	51.54	51.56	26.03	26.03
142	PCB-181	9.92e2	4.96e5	1.124	NO	47.90	47.89	2.532	2.532

4th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
161	PCB-196/203	2.21e4	7.74e5	0.955	NO	52.50	52.51	65.30	65.30
160	PCB-199	2.26e4	7.74e5	0.838	NO	52.18	52.19	74.24	74.24
159	PCB-198	1.36e3	7.74e5	0.873	NO	52.06	52.08	4.218	4.218
158	PCB-200	3.90e3	7.74e5	1.087	YES	50.51	50.48	0.0000	8.583
157	PCB-197	1.43e3	7.74e5	0.770	NO	49.56	49.56	3.392	3.392
155	PCB-201	4.15e3	7.74e5	1.053	YES	49.10	49.08	0.0000	9.672
154	PCB-202	6.74e3	7.74e5	0.936	NO	48.61	48.59	15.23	15.23

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

Last Altered: Monday, October 21, 2019 14:47:32 Pacific Daylight Time

Printed: Monday, October 21, 2019 14:50:28 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

5th Function Octa-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
162	PCB-195	5.63e3	3.62e5	0.884	NO	53.82	53.80	26.98	26.98
164	PCB-205	1.02e3	3.62e5	0.774	NO	55.00	55.00	3.620	3.620
163	PCB-194	1.44e4	3.62e5	0.987	NO	54.74	54.73	61.69	61.69

Total Nona-PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
167	PCB-206	8.12e3	3.39e5	1.259	NO	56.26	56.25	43.43	43.43
166	PCB-207	1.70e3	5.12e5	1.130	YES	54.28	54.29	0.0000	6.031
165	PCB-208	4.08e3	5.12e5	1.283	NO	53.96	53.96	15.26	15.26

Deca-CB

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
168	PCB-209	1.17e4	4.23e5	1.140	NO	57.48	57.50	52.64	52.64

Total PCBs

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC

Total Mono-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
170	13C-PCB-3	8.88e5	1.07e6	2.944	NO	18.17	18.17	1367	
169	13C-PCB-1	8.45e5	1.07e6	3.215	NO	15.53	15.52	1317	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

Last Altered: Monday, October 21, 2019 14:47:32 Pacific Daylight Time

Printed: Monday, October 21, 2019 14:50:28 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

Total Di-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
213	13C-PCB-15	1.07e6	1.07e6	1.546	NO	25.49	25.52	1792	
173	13C-PCB-11	8.94e5	1.07e6	1.567	NO	24.81	24.80	1547	
172	13C-PCB-9	8.34e5	1.07e6	1.542	NO	21.36	21.34	1408	
171	13C-PCB-4	5.09e5	1.07e6	1.564	NO	19.53	19.52	1336	

2nd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
175	13C-PCB-32	9.80e5	1.07e6	0.970	NO	26.76	26.75	1810	
174	13C-PCB-19	6.32e5	1.07e6	0.958	NO	23.77	23.75	1666	

3rd Function Tri-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
177	13C-PCB-37	7.96e5	9.31e5	0.951	NO	32.74	32.78	1597	
176	13C-PCB-28	7.82e5	9.31e5	0.938	NO	28.76	28.75	1407	
214	13C-PCB-31	9.31e5	9.31e5	0.961	NO	28.64	28.65	1792	

Tetra-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
178	13C-PCB-54	7.56e5	1.01e6	0.727	NO	27.60	27.59	1217	
220	13C-PCB-79	9.71e5	1.01e6	0.740	NO	37.77	37.77	1663	
215	13C-PCB-60	1.01e6	1.01e6	0.741	NO	36.66	36.67	1792	
182	13C-PCB-80	8.80e5	1.01e6	0.754	NO	35.84	35.84	1486	
181	13C-PCB-70	8.39e5	1.01e6	0.739	NO	35.41	35.41	1471	
180	13C-PCB-47	7.06e5	1.01e6	0.724	NO	31.78	31.80	1396	
179	13C-PCB-52	6.57e5	1.01e6	0.739	NO	31.26	31.26	1376	
184	13C-PCB-77	8.72e5	1.01e6	0.733	NO	39.65	39.65	1607	
183	13C-PCB-81	8.99e5	1.01e6	0.730	NO	39.04	39.04	1613	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Printed: Monday, October 21, 2019 14:50:28 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

3rd Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
185	13C-PCB-104	9.26e5	1.10e6	1.576	NO	32.45	32.49	1374	
216	13C-PCB-111	1.10e6	1.10e6	1.571	NO	39.22	39.24	1792	
188	13C-PCB-97	6.76e5	1.10e6	1.574	NO	38.79	38.79	1550	
187	13C-PCB-101	7.34e5	1.10e6	1.553	NO	37.44	37.46	1467	
186	13C-PCB-95	7.24e5	1.10e6	1.545	NO	35.70	35.71	1381	
190	13C-PCB-118	9.66e5	1.10e6	1.617	NO	41.62	41.62	1612	
189	13C-PCB-123	9.25e5	1.10e6	1.584	NO	41.44	41.44	1633	

4th Function Penta-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
192	13C-PCB-105	5.96e5	5.61e5	1.493	NO	43.19	43.19	1203	
191	13C-PCB-114	5.81e5	5.61e5	1.474	NO	42.30	42.30	1223	
194	13C-PCB-126	5.61e5	5.61e5	1.481	NO	45.50	45.50	1242	
193	13C-PCB-127	6.22e5	5.61e5	1.482	NO	43.53	43.55	1226	

4th Function Hexa-Isotopes

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
203	13C-PCB-169	6.19e5	5.61e5	1.243	NO	50.90	50.90	1469	
202	13C-PCB-157	6.89e5	5.61e5	1.205	NO	48.63	48.63	1567	
201	13C-PCB-156	6.78e5	5.61e5	1.224	NO	48.33	48.34	1550	
200	13C-PCB-167	6.86e5	5.61e5	1.240	NO	47.03	47.02	1539	
217	13C-PCB-128	5.61e5	5.61e5	1.223	NO	46.58	46.60	1792	
199	13C-PCB-159	6.80e5	5.61e5	1.241	NO	46.31	46.32	1517	
198	13C-PCB-138	5.52e5	5.61e5	1.241	NO	45.00	44.99	1495	
197	13C-PCB-141	5.28e5	5.61e5	1.260	NO	44.12	44.12	1476	
196	13C-PCB-153	6.26e5	5.61e5	1.214	NO	43.37	43.36	1405	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-5.qld

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Printed: Monday, October 21, 2019 14:50:28 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

5th Function Octa-Isotopes

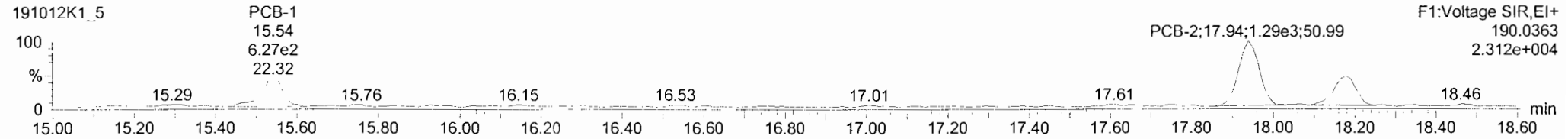
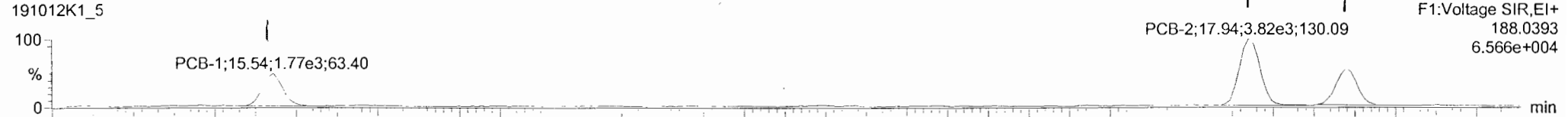
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219	13C-PCB-205	5.31e5	5.31e5	0.886	NO	54.98	55.00	1792	
209	13C-PCB-194	3.62e5	5.31e5	0.884	NO	54.73	54.72	1710	

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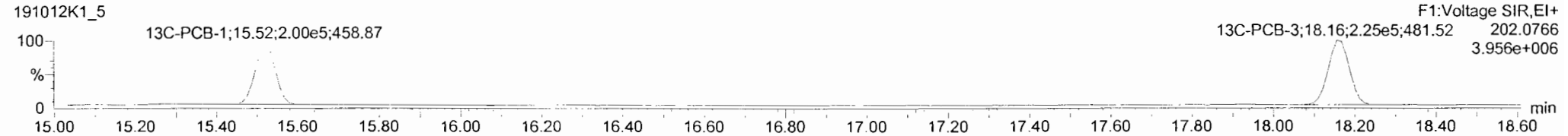
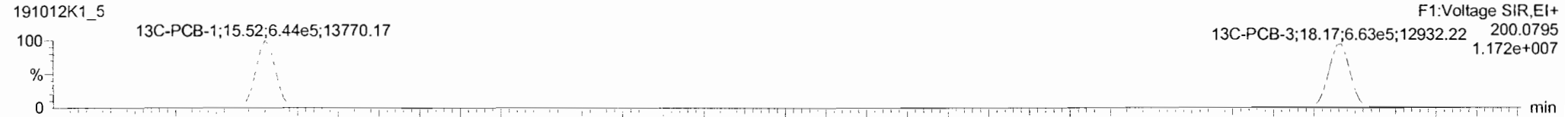
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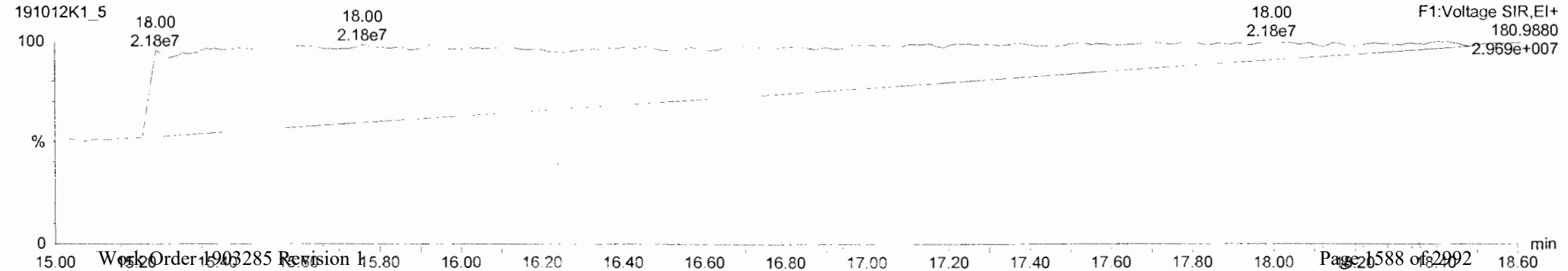
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13C-PCB-1



PFK1

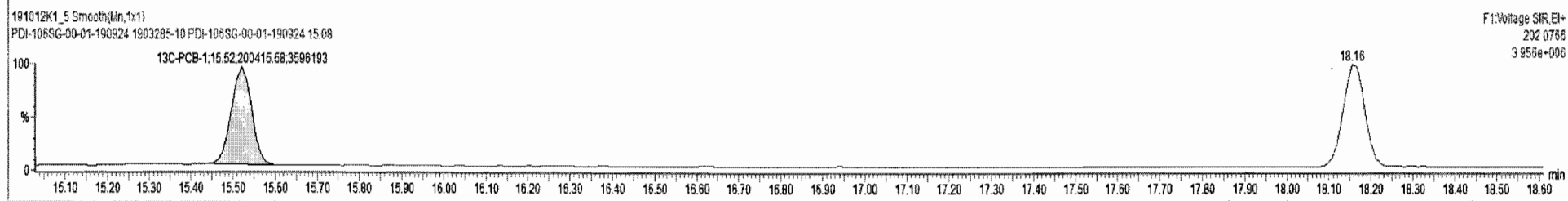
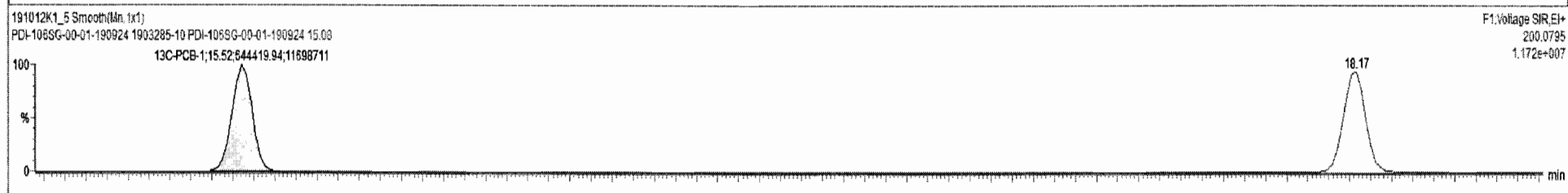
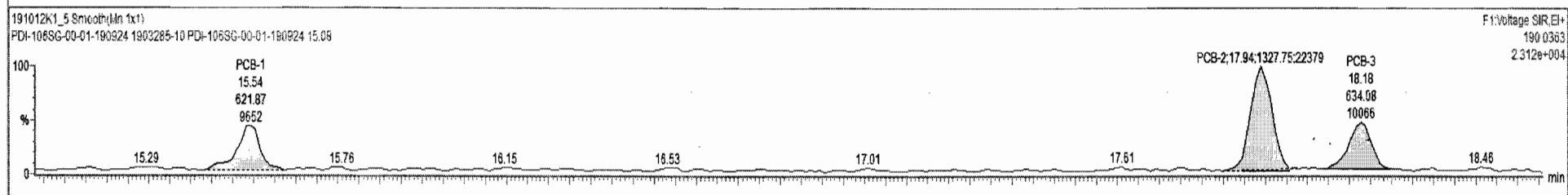
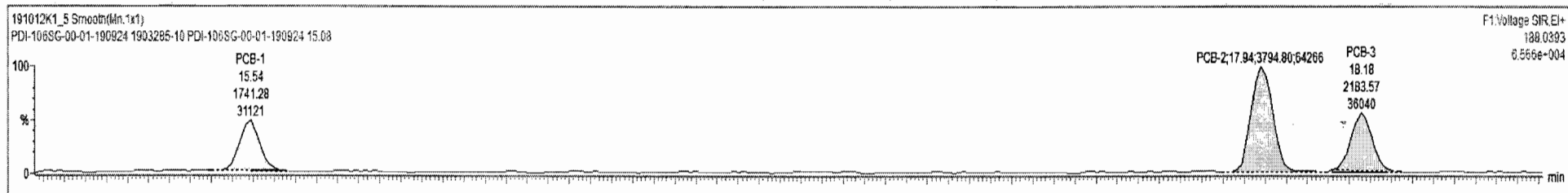




191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	w/vol	Pred. RT	RT	Pred. R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	5.579	0.00		0.000		NO	20.81		0.660	20.81
225	225 Total Di-PCBs				1.0592	5.579	0.00		0.000		NO	129.51		13.81	125.41

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.53	15.54	1.741e3	6.219e2	3.130	2.80	NO	4.9123	4.9123
2	2 PCB-2	17.95	17.94	3.795e3	1.328e3	3.130	2.86	NO	10.252	10.252
3	3 PCB-3	18.18	18.18	2.184e3	6.341e2	3.130	3.44	NO	5.6507	5.6507



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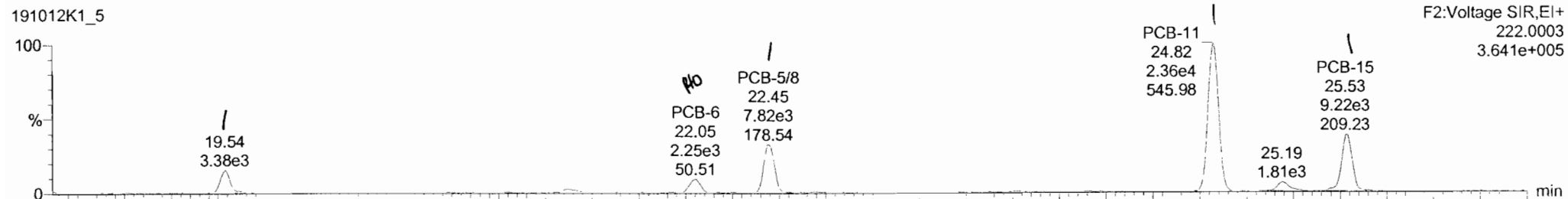
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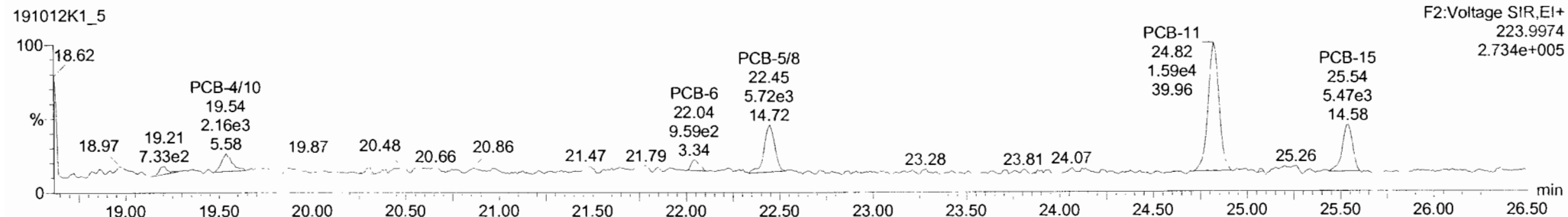
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PCB-4/10

191012K1_5

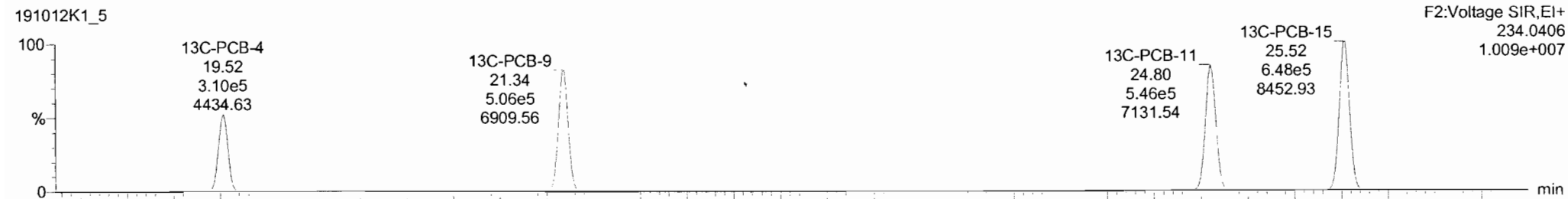


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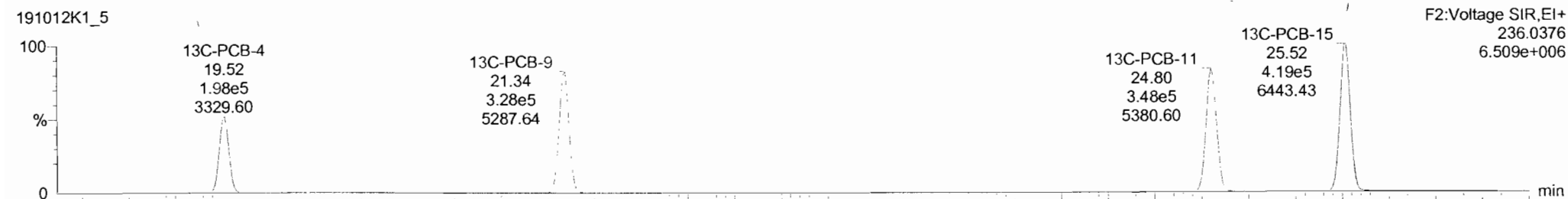


13C-PCB-4

191012K1_5

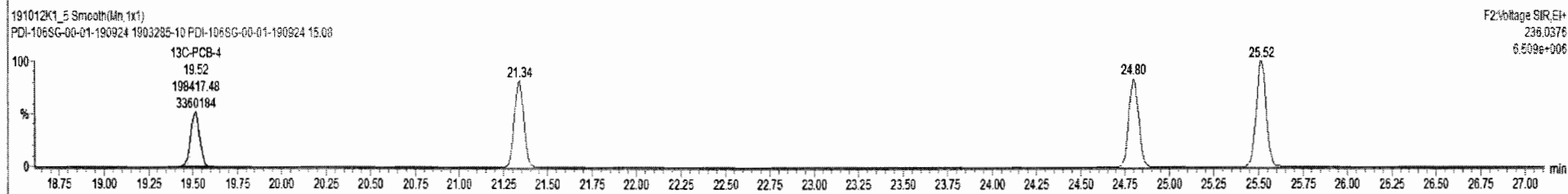
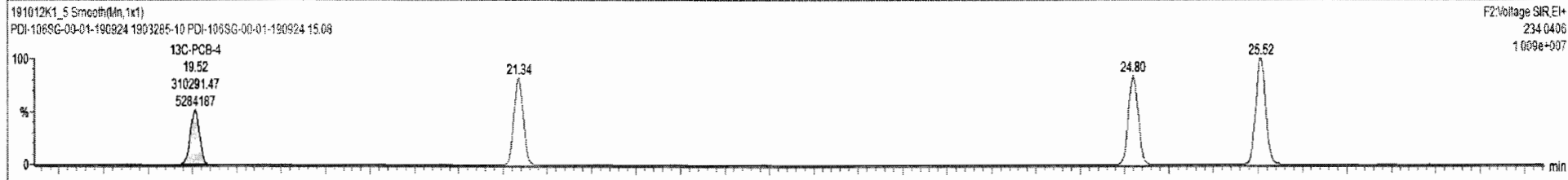
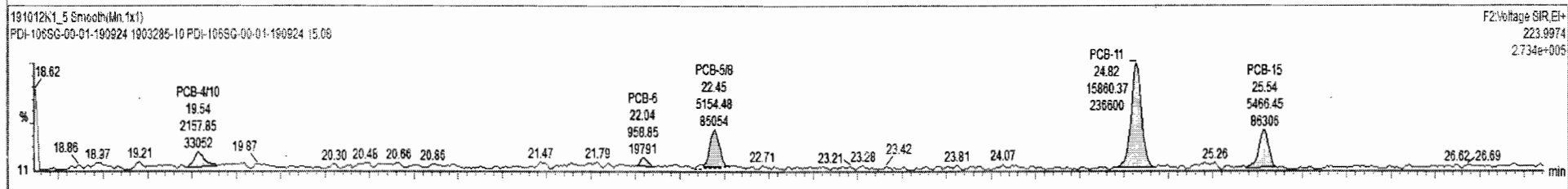
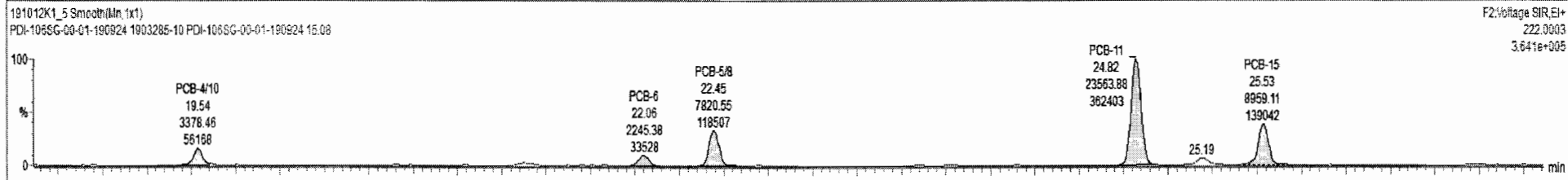


191012K1_5



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
224	Z24 Total Mono-PCBs				1.0122	5.579	0.00		0.000		NO	20.81		0.860	20.81
225	Z25 Total Di-PCBs				1.0592	5.579	0.00		0.000		NO	143.1		43.8	143.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	nly	EMPC	Conc.
4	PCB-4/10	19.60	19.54	3.378e3	2.158e3	1.560	1.57	NO	15.294	15.294
6	PCB-6	22.05	22.06	2.245e3	9.599e2	1.560	2.34	YES	5.1863	0.00000
7	PCB-5/8	22.46	22.45	7.821e3	5.154e3	1.560	1.52	NO	27.576	27.576
9	PCB-11	24.82	24.82	2.356e4	1.586e4	1.560	1.49	NO	72.865	72.865
11	PCB-15	25.55	25.53	8.959e3	5.486e3	1.560	1.64	NO	28.110	28.110

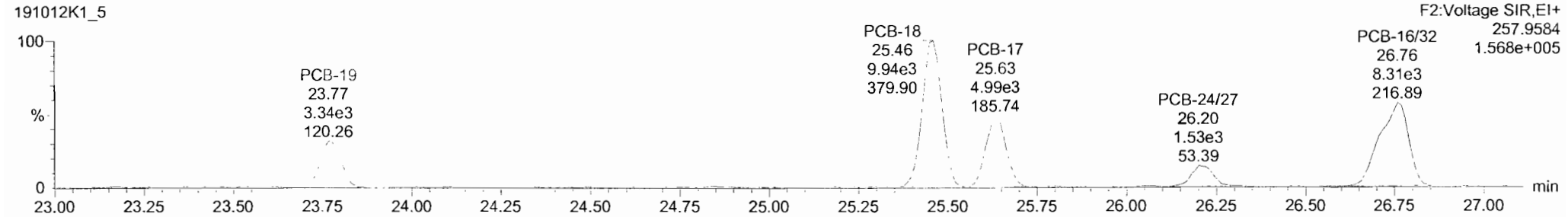
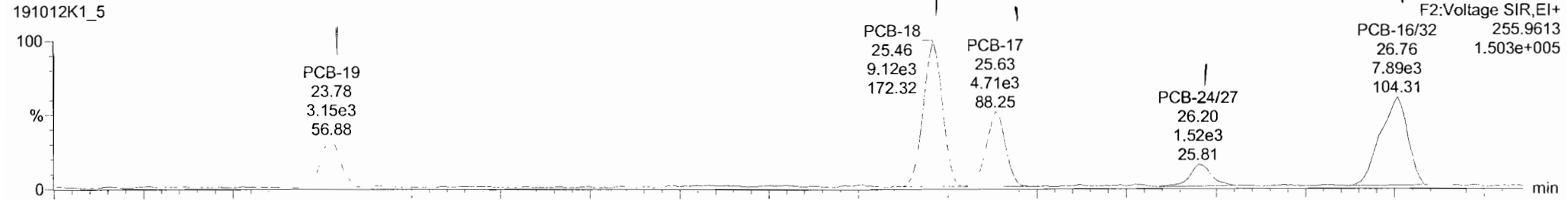


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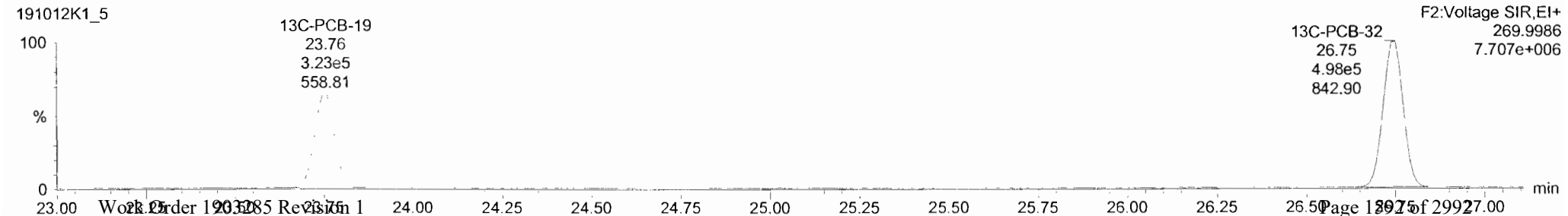
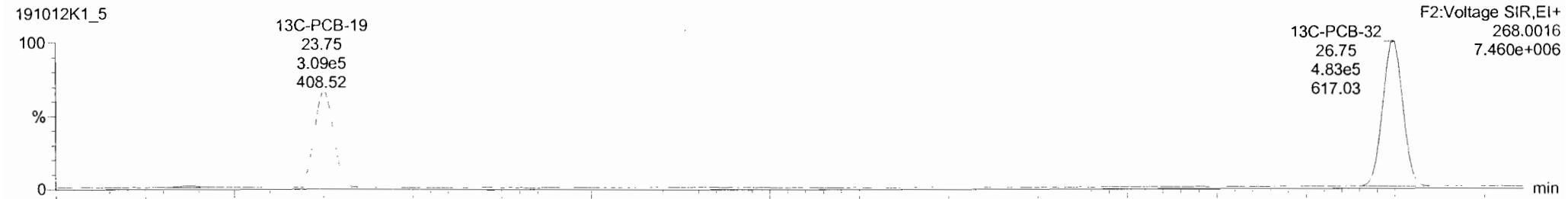
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PCB-19



13C-PCB-19

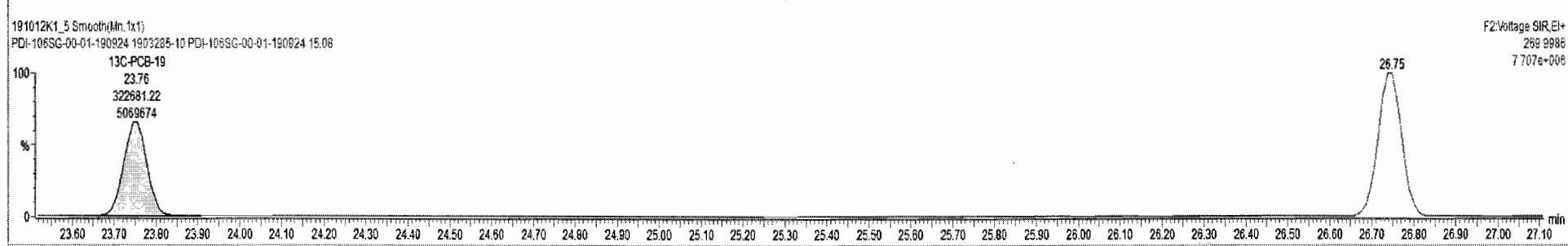
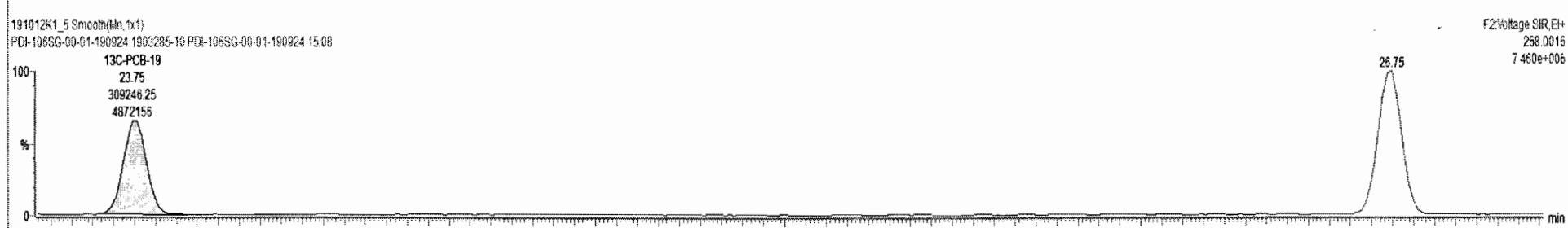
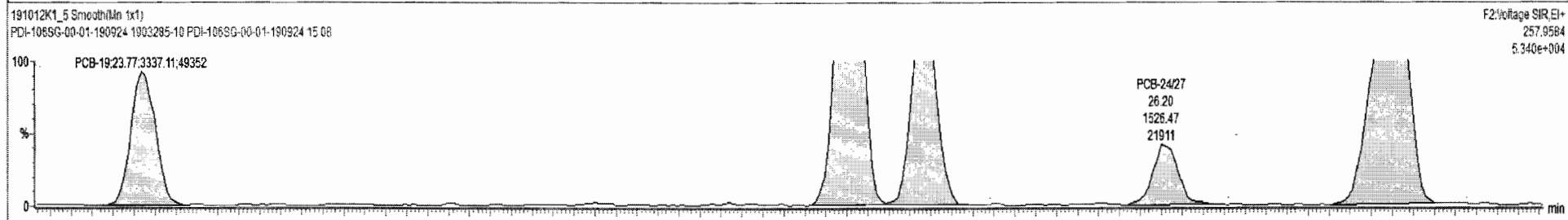
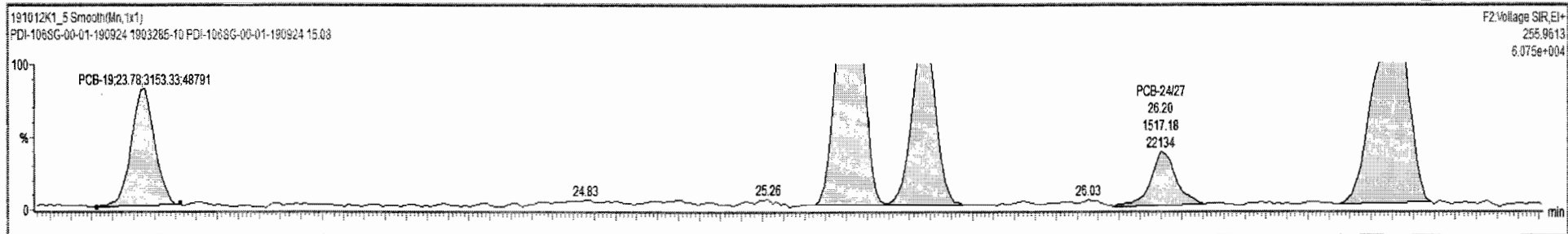




191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15 08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				0.9137	5.579	0.00		0.000		NO	140.0		2.41	140.0
227	227 3rd Function Tri-PCBs				1.0563	5.579	0.00		0.000		NO	360.7		8.50	363.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
12	PCB-19	23.78	23.78	3.15363	3.33763	1.040	0.94	NO	19.705	19.705



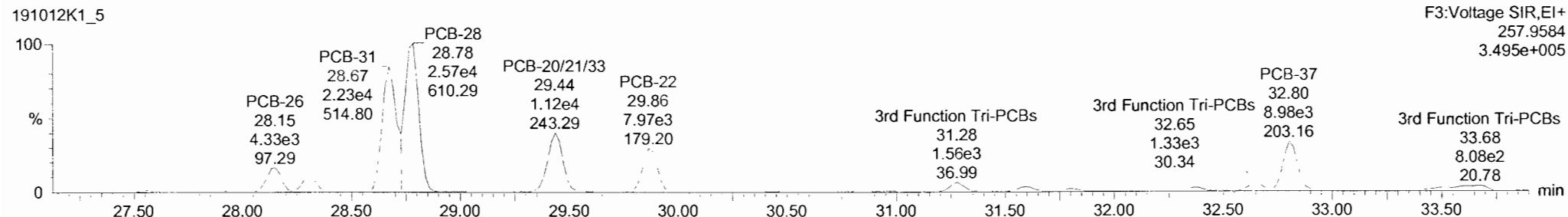
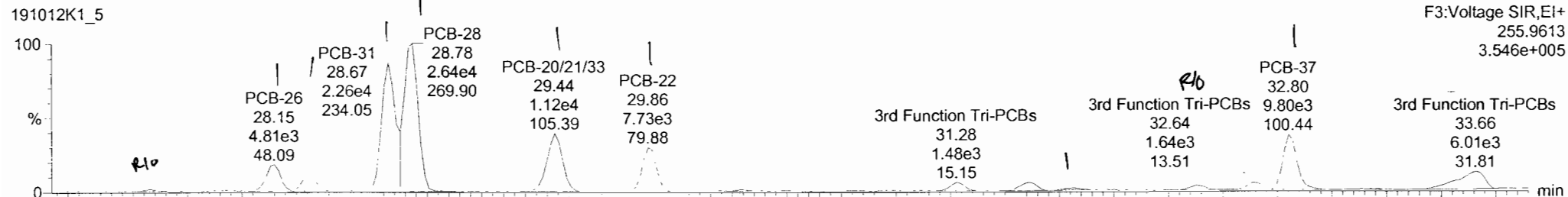
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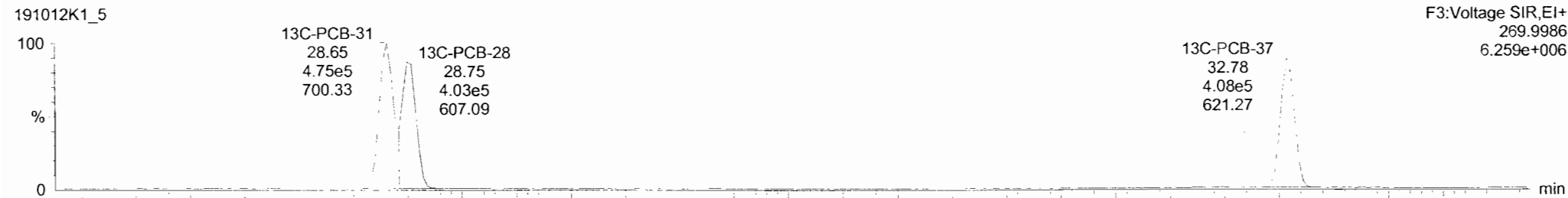
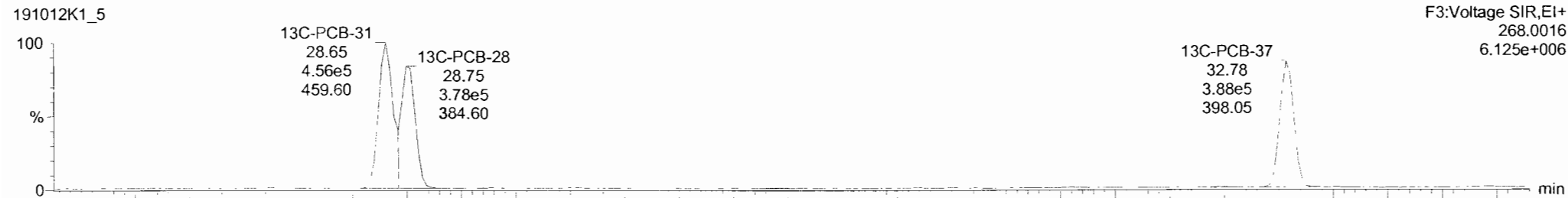
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PCB-34



13C-PCB-28

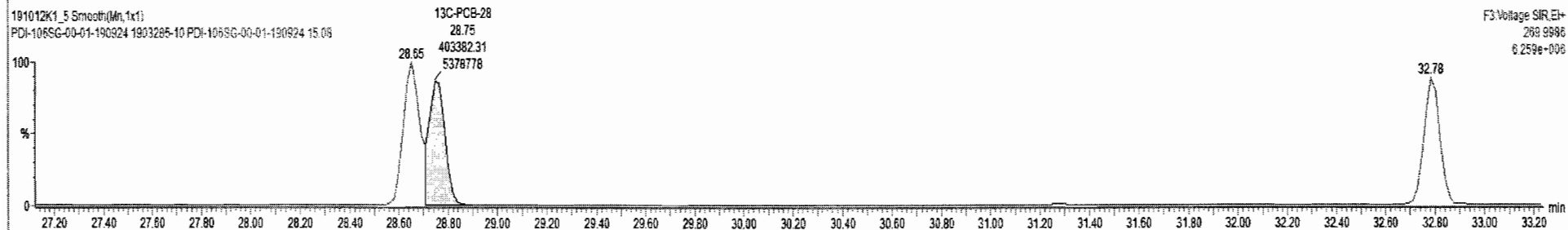
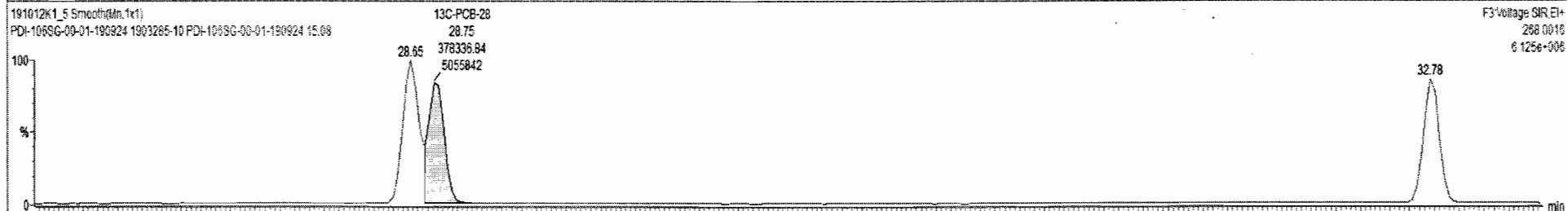
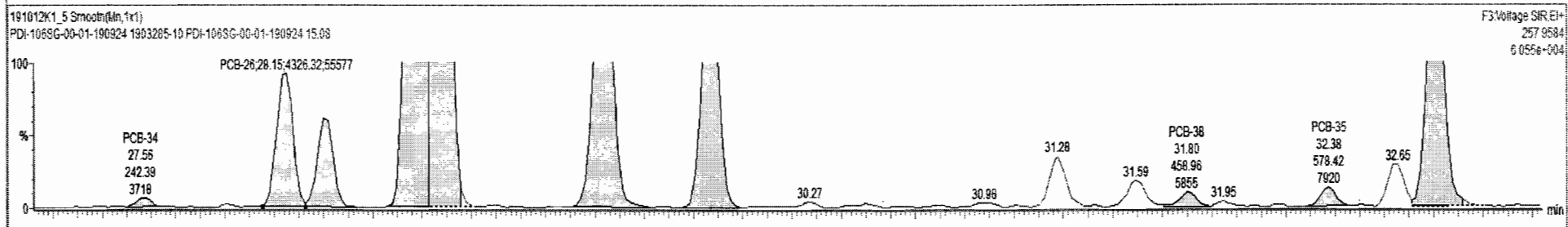
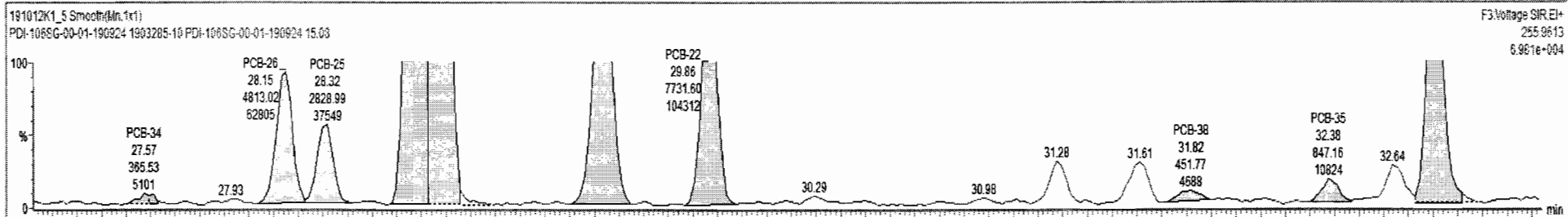




191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RF	w%vol	Pred.RT	RT	Pred.R	RTT	RTT Fail	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				0.9137	5.579	0.00		0.000		NO	140.0	2.41	140.0	
227	227 3rd Function Tri-PCBs				1.0563	5.579	0.00		0.000		NO	358.5	8.50	362.0	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
18	PCB-34	27.57	27.57	3.655e2	2.424e2	1.040	1.51	YES	1.1482	0.00000



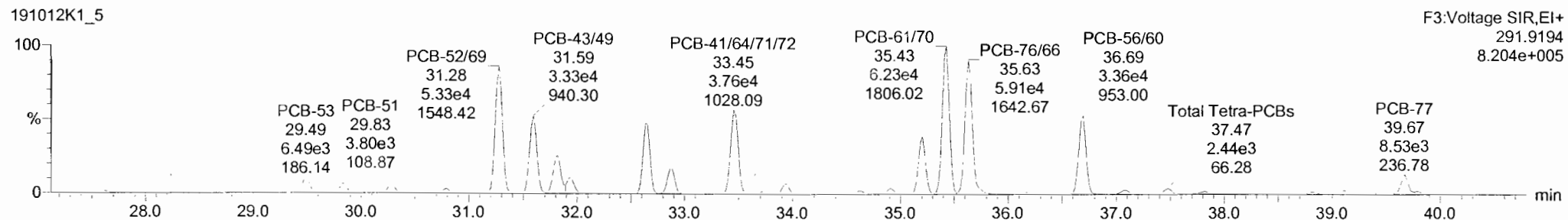
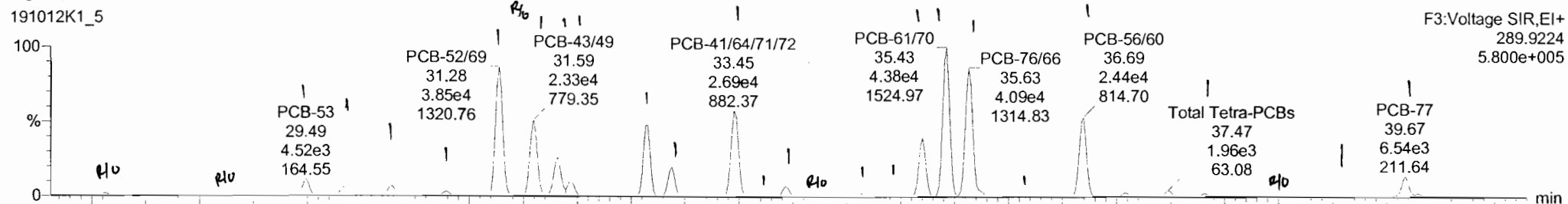
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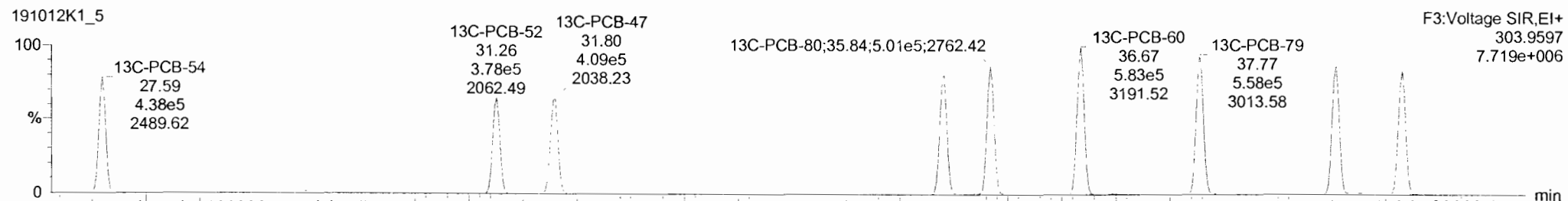
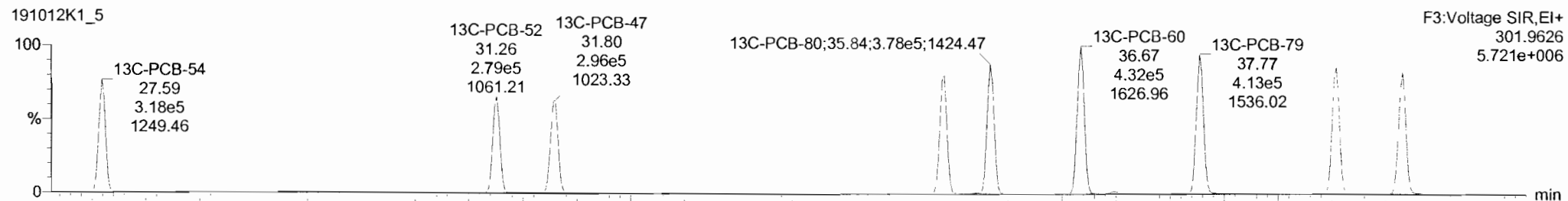
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

PCB-54



13C-PCB-54

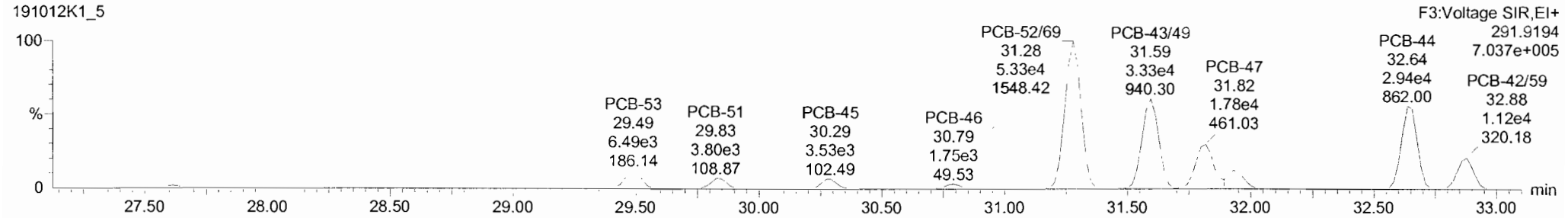
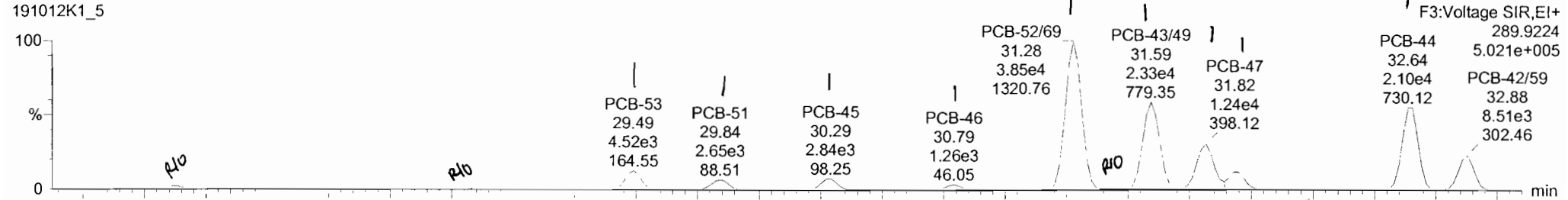


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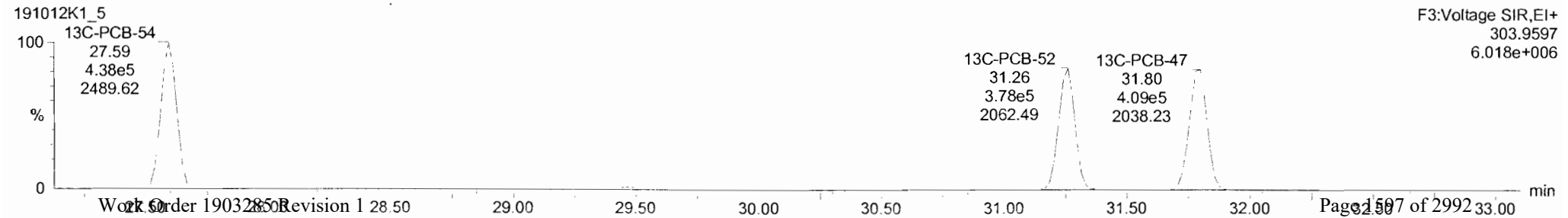
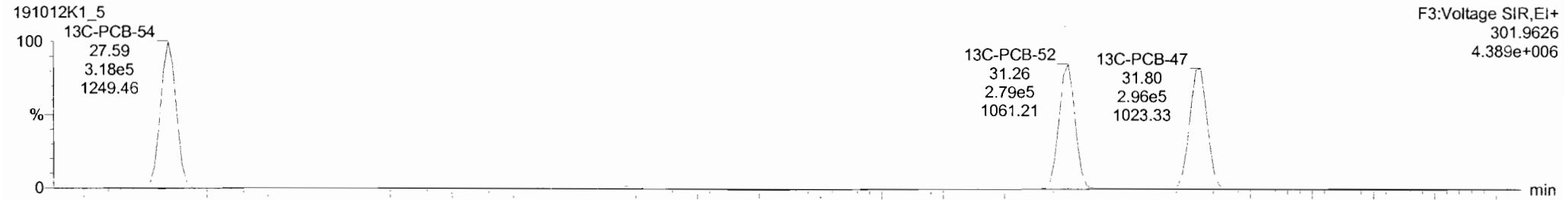
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

PCB-50



13C-PCB-52

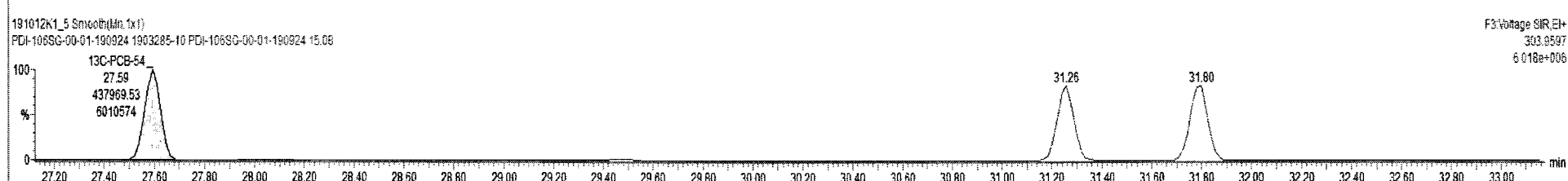
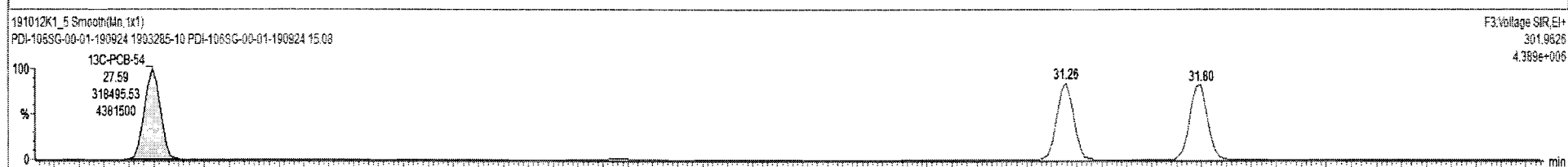
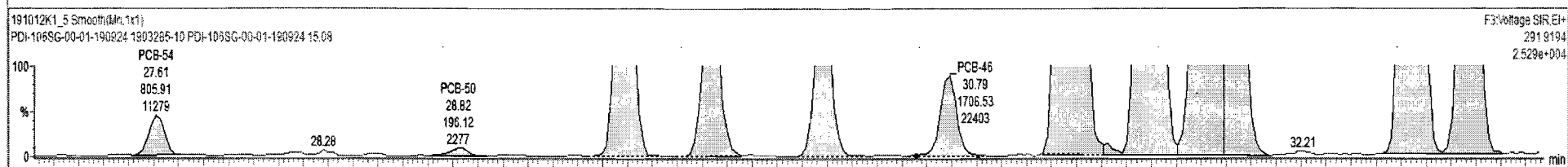
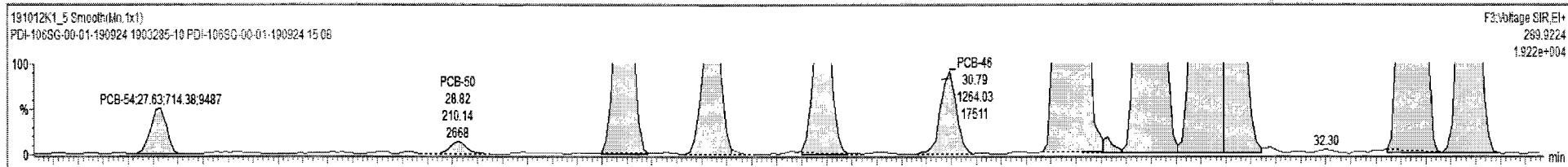




191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9861	5.579	0.00		0.000		NO	1690	0.00	10.3	1701
229	3rd Function Penta-PCBs				1.1154	5.579	0.00		0.000		NO	2318		10.3	2330

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.61	27.63	7.144e2	8.059e2	0.770	0.89	YES	3.3944	0.00000
33	PCB-50	28.81	28.82	2.101e2	1.981e2	0.770	1.07	YES	1.9528	0.00000
34	PCB-53	29.48	29.48	4.589e3	6.481e3	0.770	0.71	NO	31.557	31.557
35	PCB-51	29.84	29.84	2.631e3	3.811e3	0.770	0.69	NO	17.168	17.168
36	PCB-45	30.29	30.29	2.894e3	3.525e3	0.770	0.82	NO	21.673	21.673
37	PCB-46	30.79	30.79	1.264e3	1.705e3	0.770	0.74	NO	10.760	10.760
38	PCB-52/59	31.30	31.28	3.838e4	5.327e4	0.770	0.72	NO	228.96	228.96
39	PCB-73	31.42	31.43	1.417e2	1.371e2	0.770	1.03	YES	0.51333	0.00000
40	PCB-43/49	31.58	31.59	2.326e4	3.327e4	0.770	0.70	NO	164.01	164.01
41	PCB-47	31.82	31.82	1.238e4	1.778e4	0.770	0.70	NO	88.193	88.193
42	PCB-48/75	31.93	31.93	4.503e3	6.651e3	0.770	0.88	NO	27.657	27.657
45	PCB-44	32.64	32.64	2.115e4	2.937e4	0.770	0.72	NO	168.65	168.65

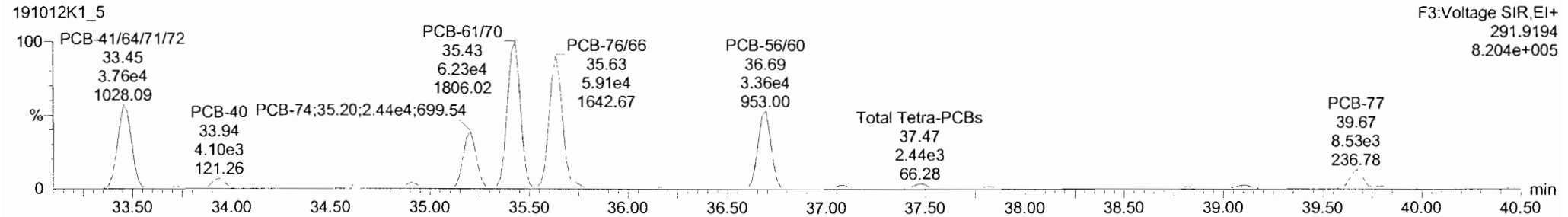
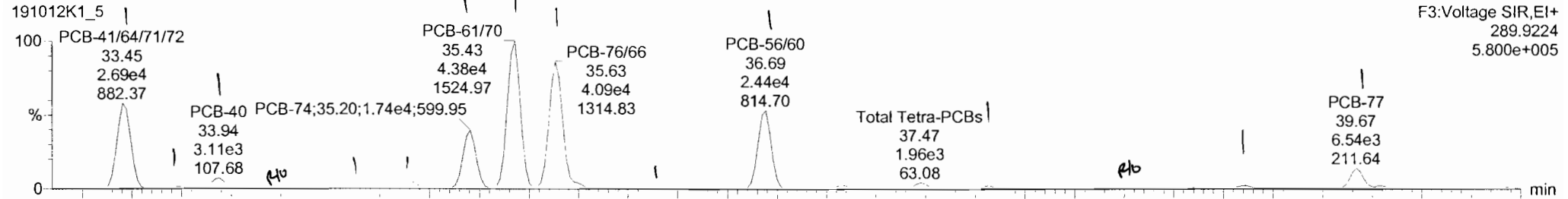


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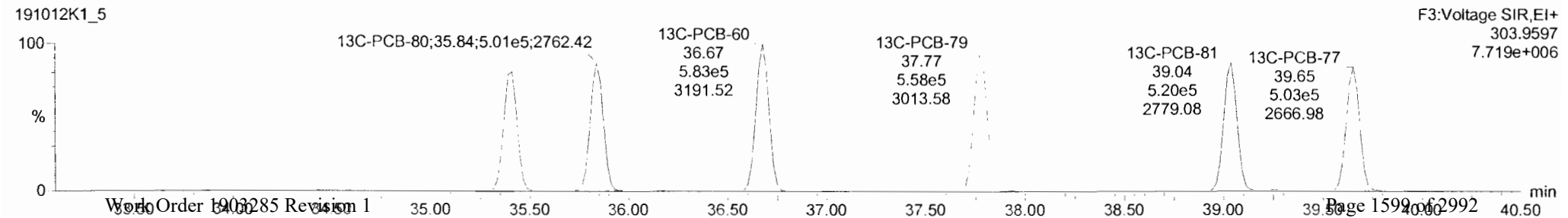
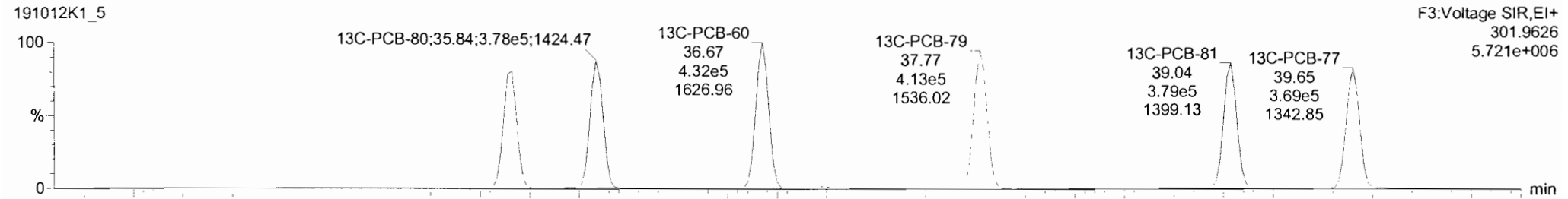
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
 Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

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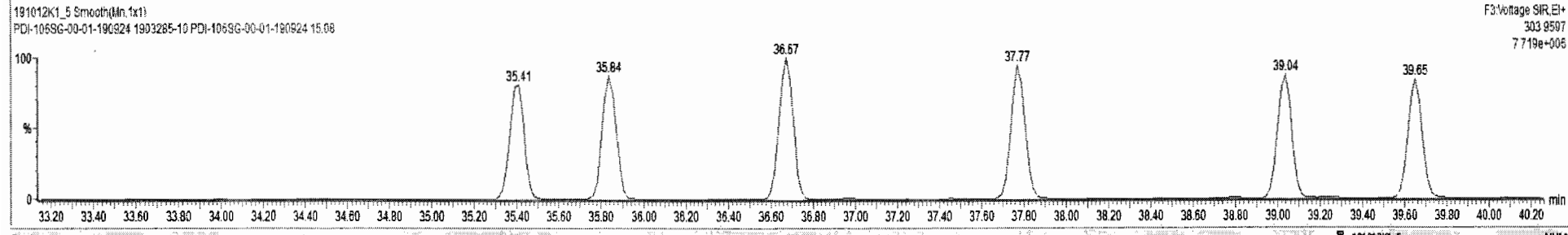
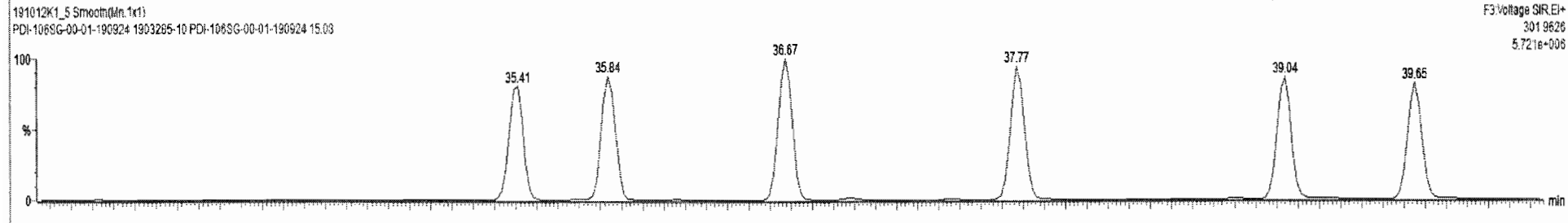
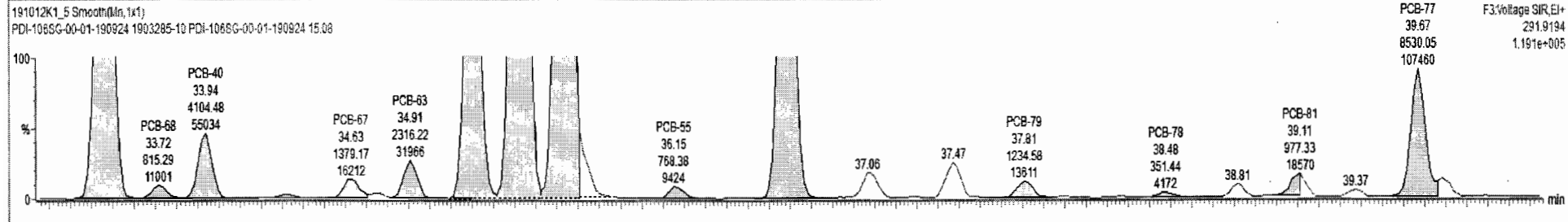
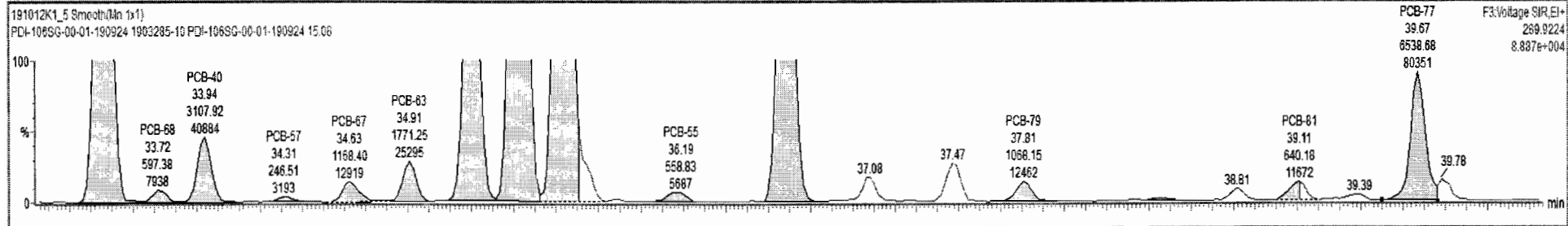
13C-PCB-60



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9861	5.579	0.00		0.000		NO	1665		10.3	1691
229	229 3rd Function Penta-PCBs				1.1154	5.579	0.00		0.000		NO	2318		10.3	2339

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.81	27.63	7.144e2	8.059e2	0.770	0.89	YES	3.3944	0.00000

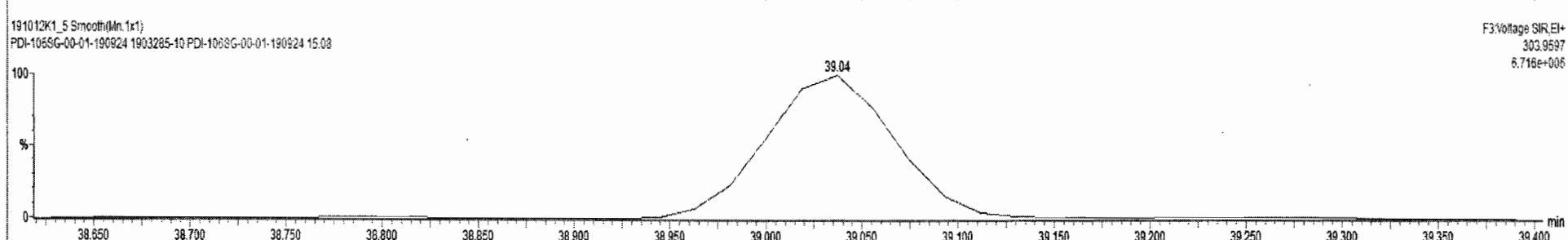
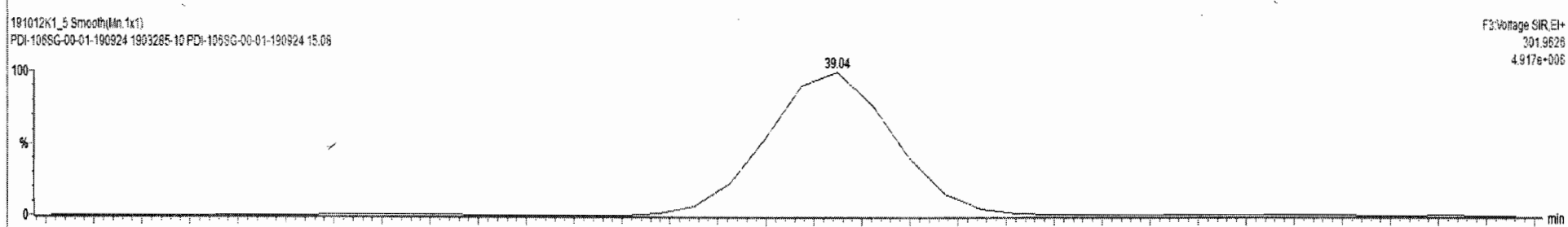
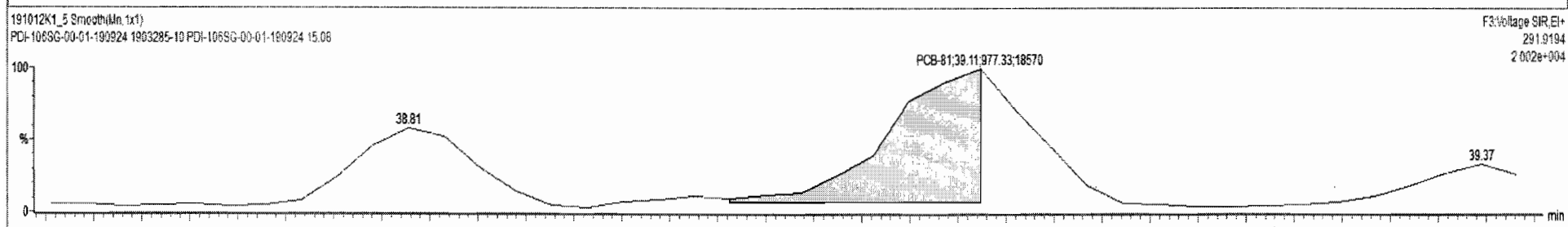
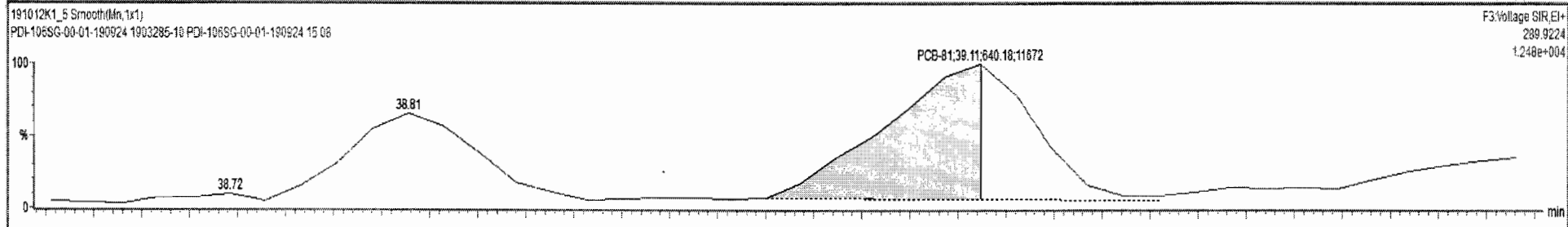




191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15:08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtvol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228	Total Tetra-PCBs			0.9861	5.579	0.00		0.000		NO	1685		10.3	1681
229	229	3rd Function Penta-PCBs			1.1154	5.579	0.00		0.000		NO	2318		10.3	2339

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.61	27.63	7.144e2	8.059e2	6.770	0.89	YES	3.3944	6.06000
33	PCB-54	29.94	29.97	7.104e2	1.024e2	6.770	4.57	YES	1.4676	6.06000



Dataset: Untitled

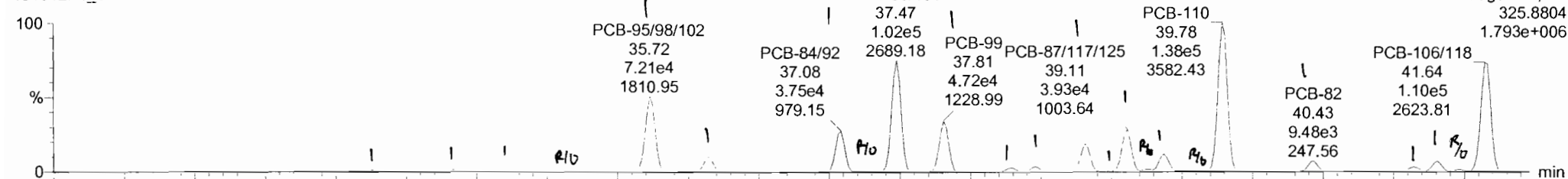
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

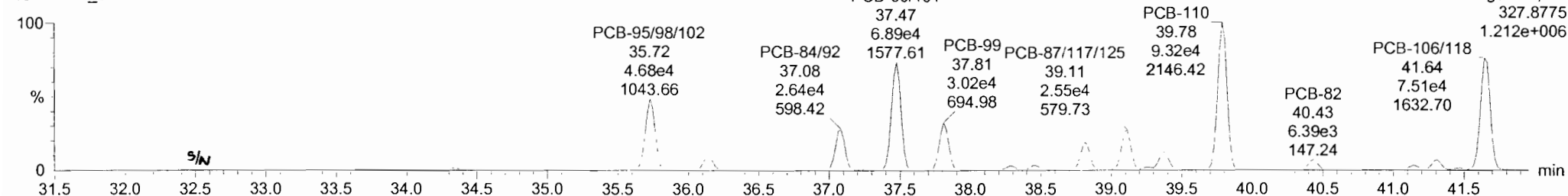
Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

PCB-104

191012K1_5

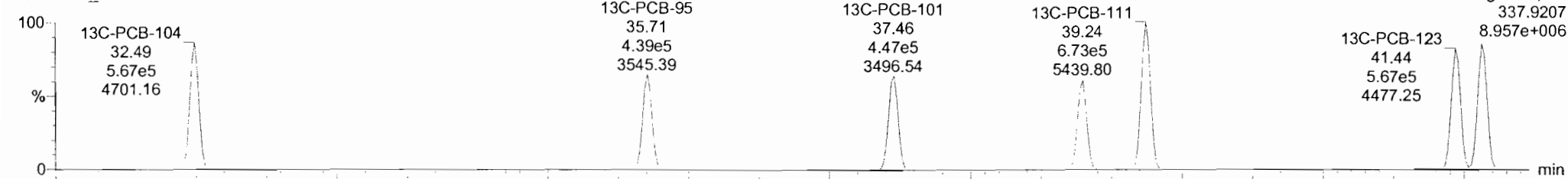


191012K1_5

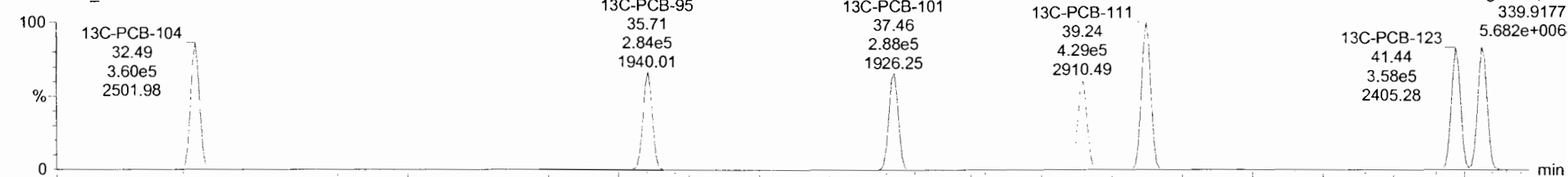


13C-PCB-104

191012K1_5



191012K1_5



Dataset: Untitled

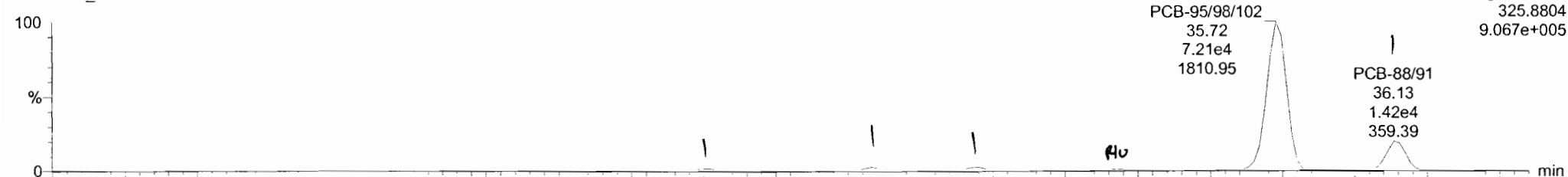
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

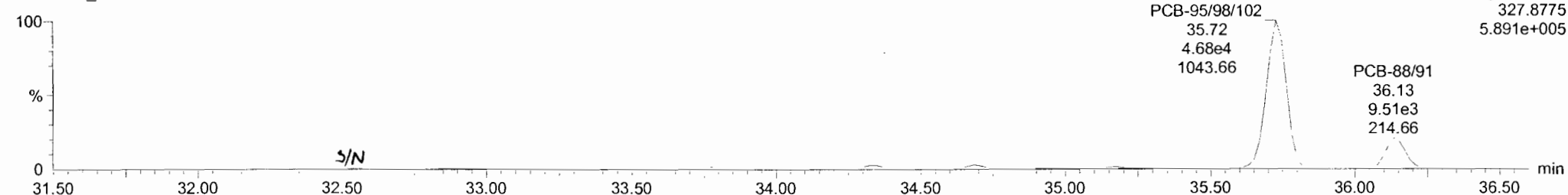
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PCB-96

191012K1_5

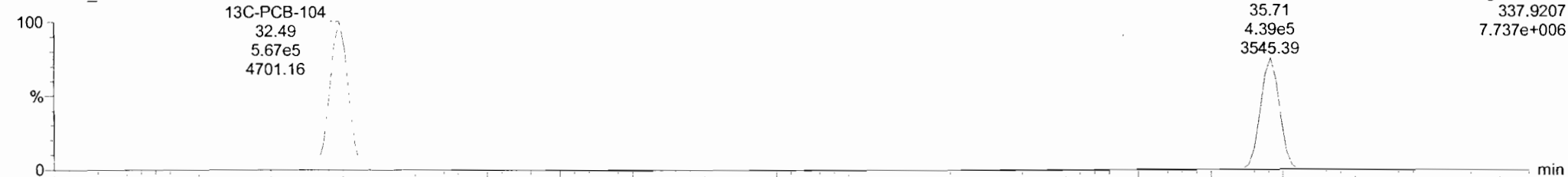


191012K1_5

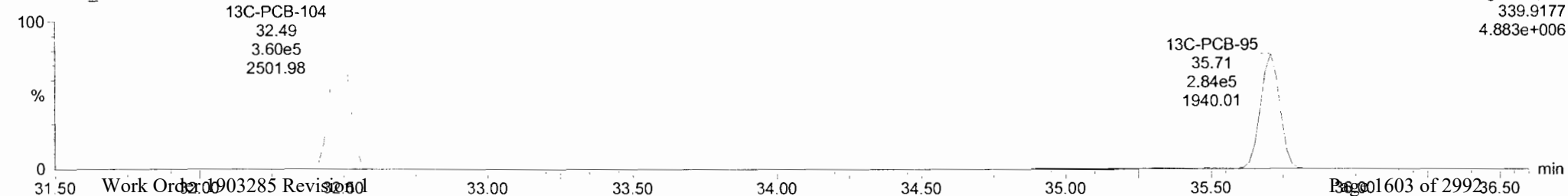


13C-PCB-95

191012K1_5



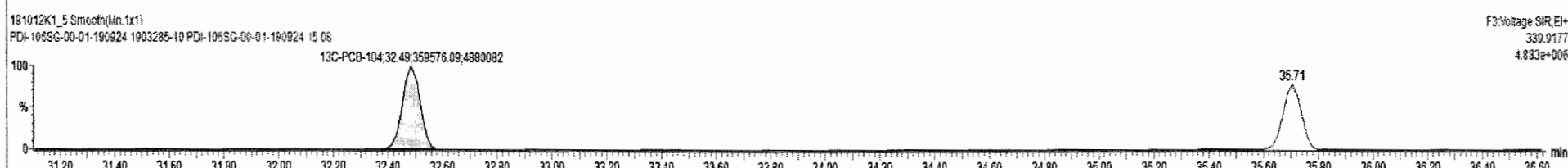
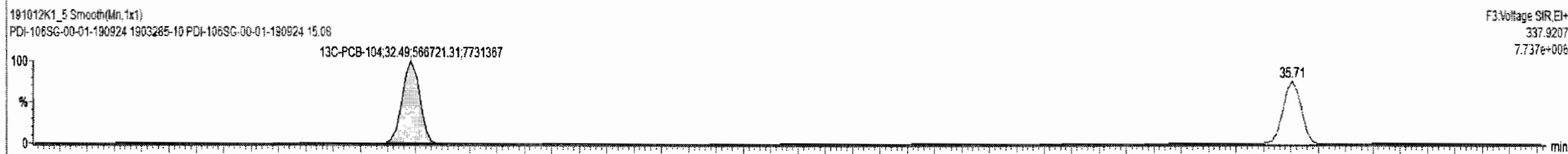
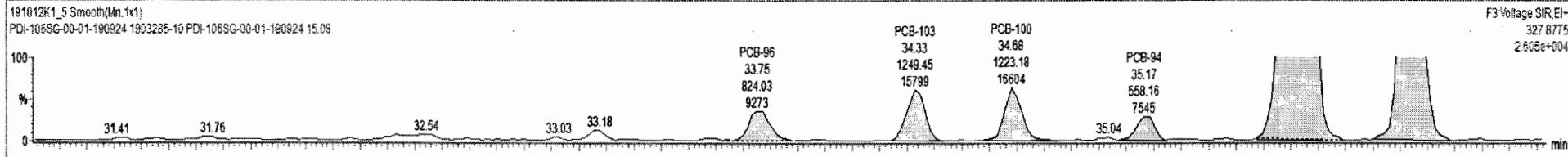
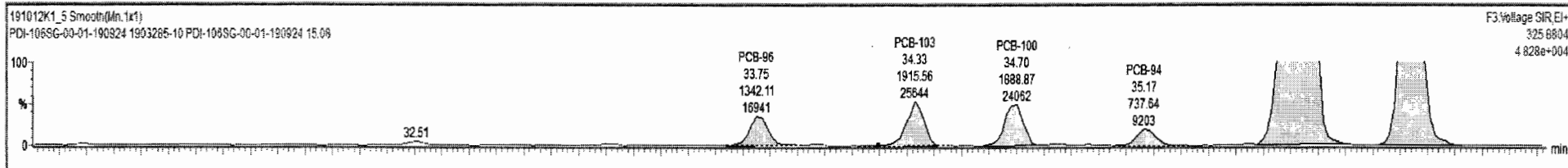
191012K1_5



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15:08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT fail	Conc	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9861	5.579	0.00		0.000		NO	1681		10.3	1686
229	229 2nd Function Penta-PCBs				1.1154	5.579	0.00		0.000		NO	2314		10.3	2329

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	65 PCB-96	33.80	33.75	1.342e3	8.240e2	1.560	1.63	NO	4.2093	4.2093
2	68 PCB-103	34.37	34.33	1.916e3	1.249e3	1.560	1.53	NO	7.9993	7.9993
3	67 PCB-100	34.74	34.70	1.889e3	1.223e3	1.560	1.54	NO	7.7437	7.7437
4	68 PCB-94	35.19	35.17	7.376e2	5.582e2	1.560	1.32	YES	3.8787	0.00000
5	69 PCB-95/98/102	35.66	35.72	7.208e4	4.889e4	1.560	1.54	NO	290.41	296.41
6	71 PCB-88/91	36.13	36.13	1.419e4	9.514e3	1.560	1.49	NO	86.012	66.012
7	73 PCB-84/92	37.09	37.08	3.746e4	2.637e4	1.560	1.42	NO	177.41	177.41
8	74 PCB-89	37.30	37.27	8.751e2	6.851e2	1.560	1.28	YES	3.6549	0.00000
9	75 PCB-90/101	37.47	37.47	1.022e5	6.888e4	1.560	1.48	NO	442.58	442.58
10	77 PCB-99	37.82	37.81	4.721e4	3.015e4	1.560	1.57	NO	168.84	168.84
11	78 PCB-119	38.29	38.29	3.818e3	2.657e3	1.560	1.44	NO	11.672	11.672
12	79 PCB-108/112	38.45	38.46	4.662e3	3.033e3	1.560	1.54	NO	16.336	16.336
13	81 PCB-97	38.83	38.61	2.559e4	1.721e4	1.560	1.49	NO	105.58	105.58



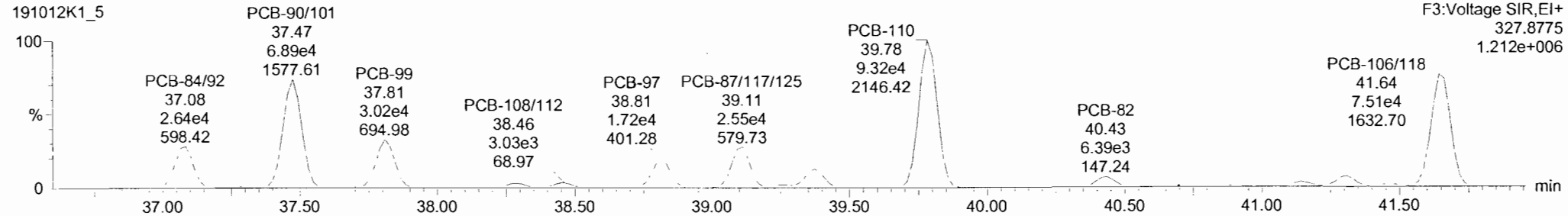
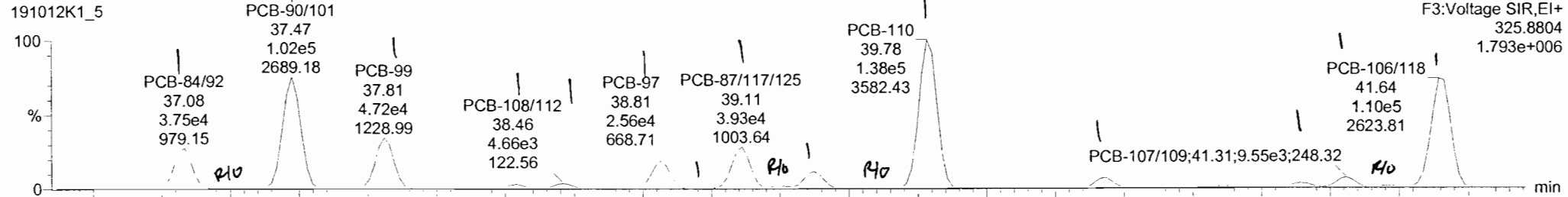
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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

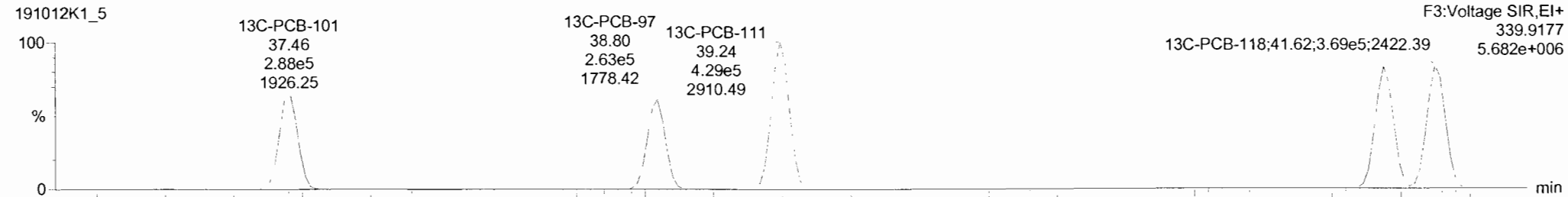
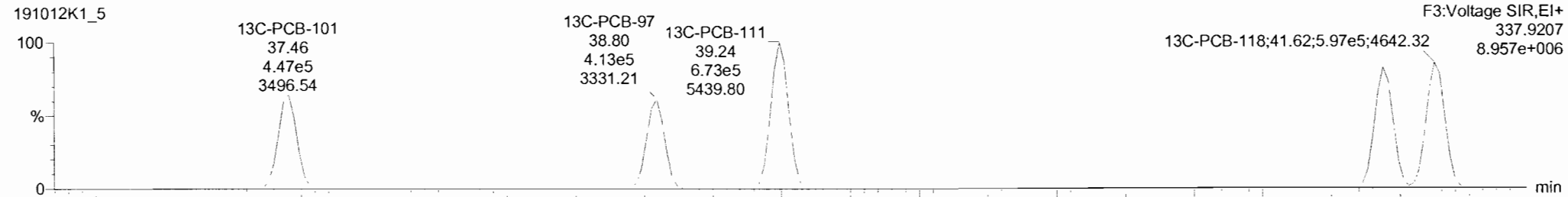
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

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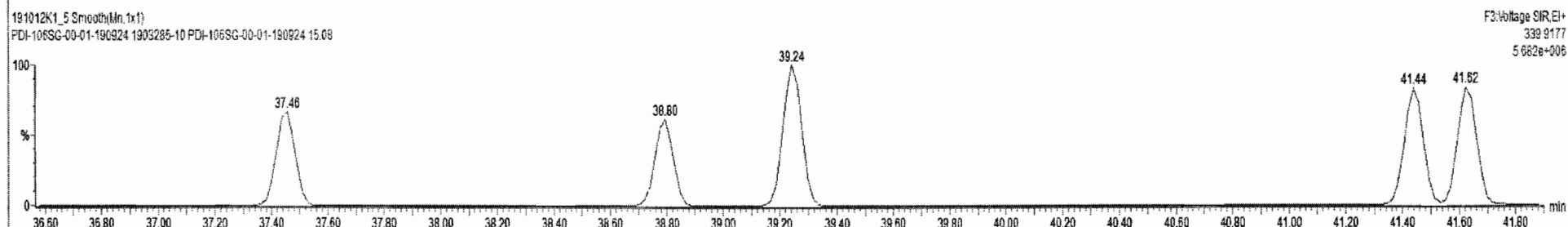
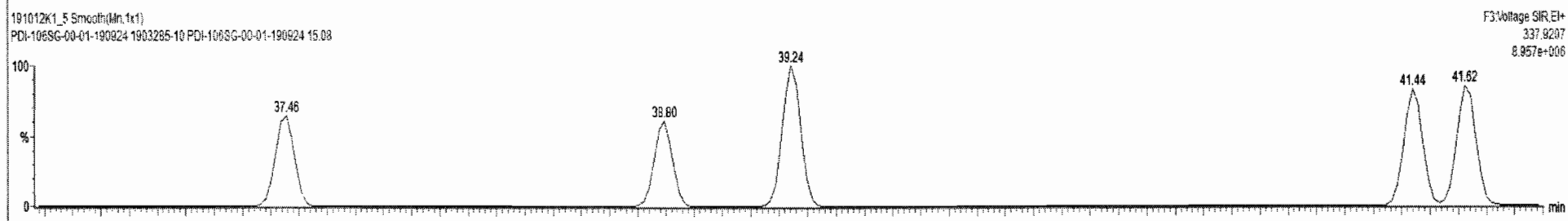
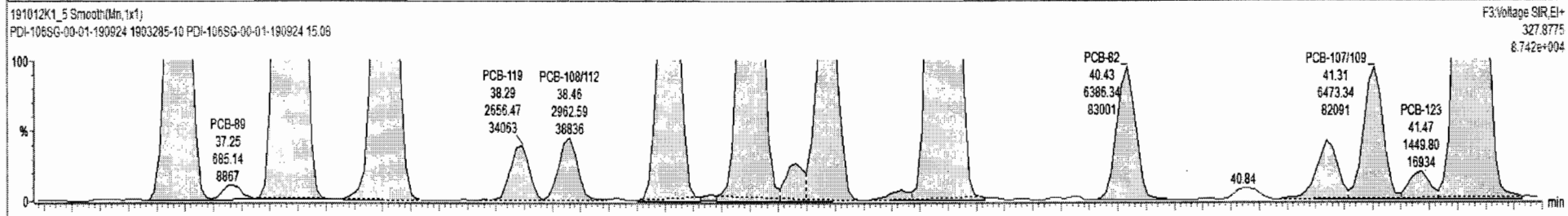
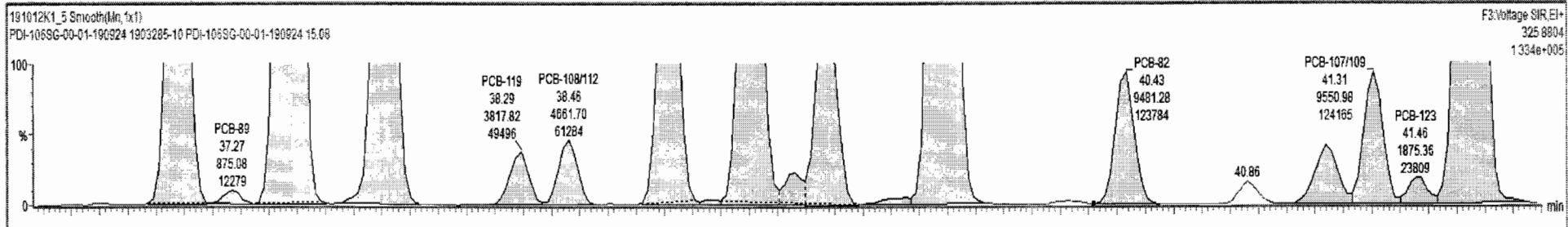
13C-PCB-111



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9881	5.579	0.00		0.000		NO	1681		10.3	1688
229	229 3rd Function Penta-PCBs				1.1154	5.579	0.00		0.000		NO	2318		10.3	2339

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	65 PCB-96	33.80	33.75	1.342e3	8.240e2	1.560	1.63	NO	4.2993	4.2093
2	66 PCB-103	34.37	34.33	1.915e3	1.249e3	1.560	1.53	NO	7.9093	7.9093

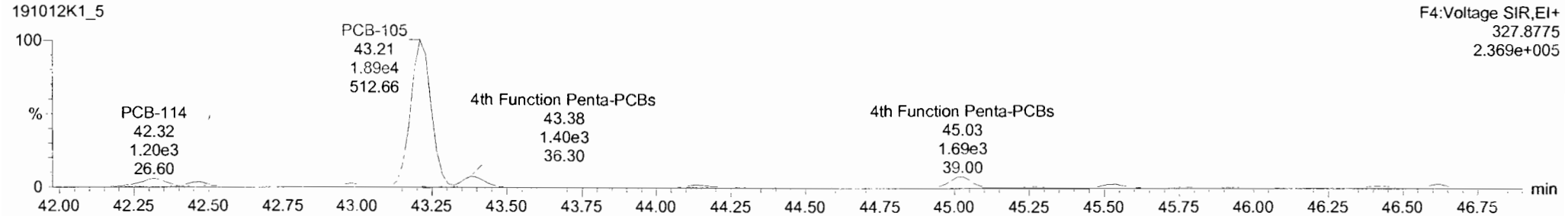
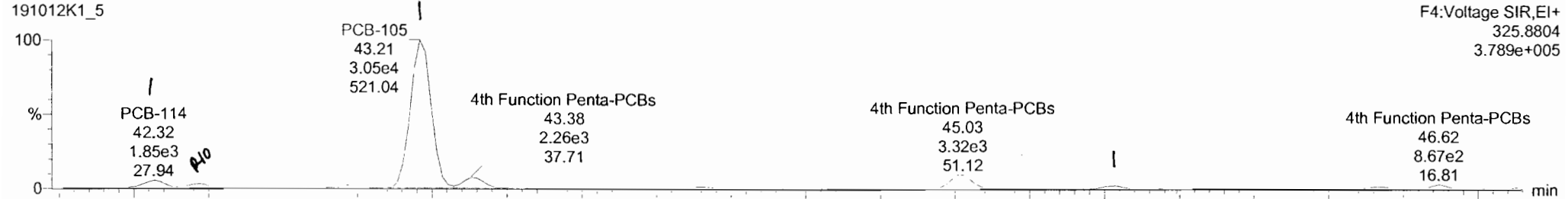


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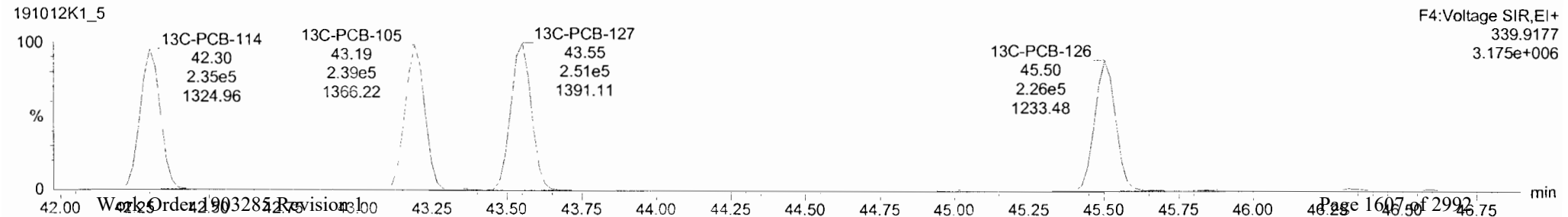
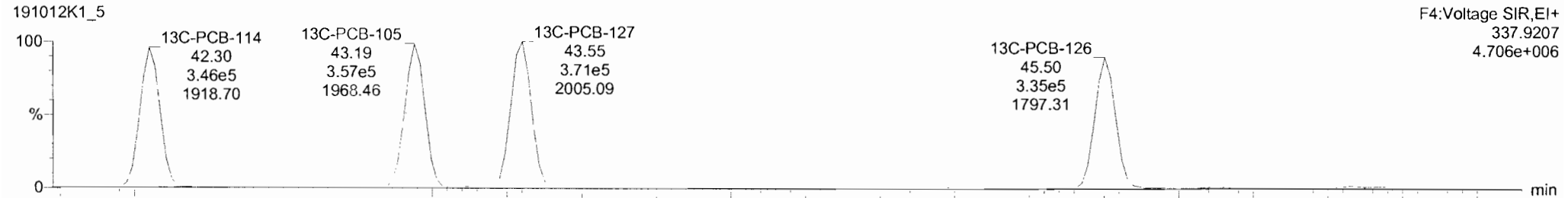
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Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

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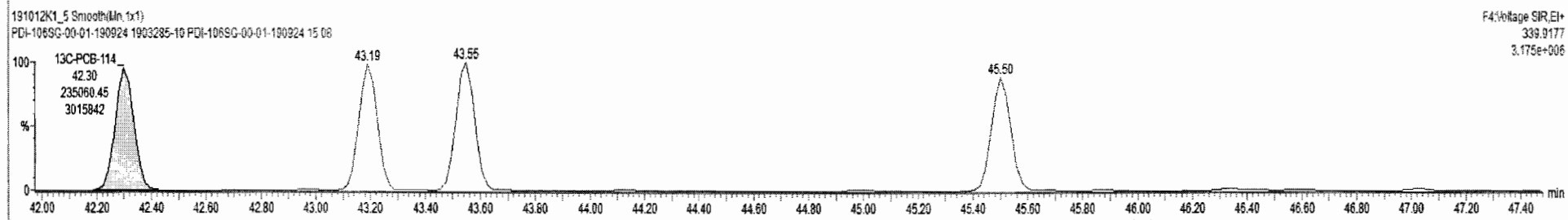
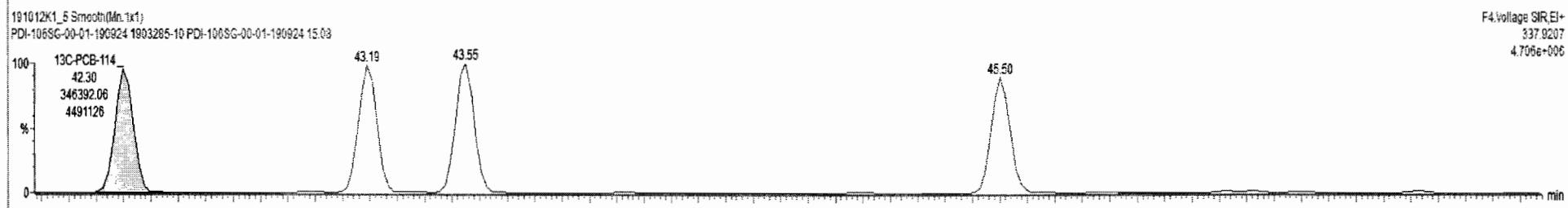
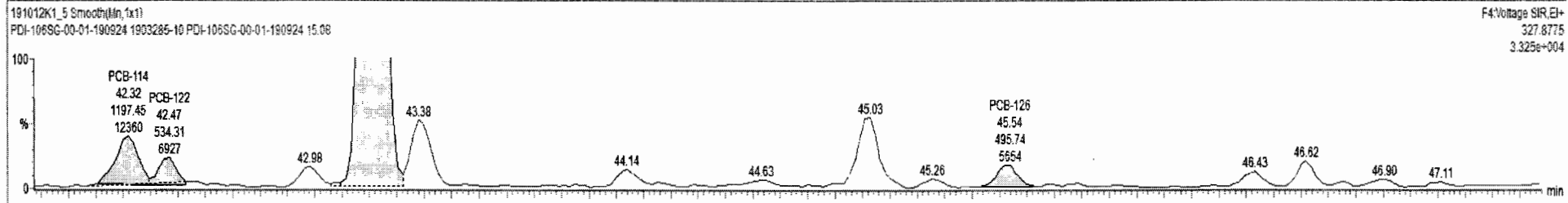
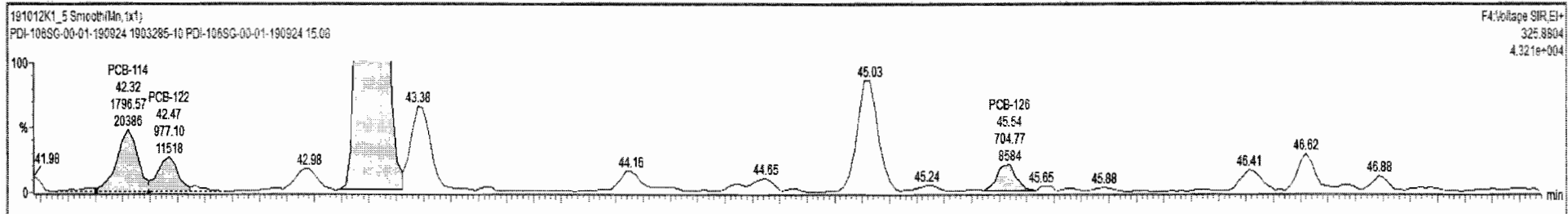
13C-PCB-114



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	nY	RRF	wfVol	Pred_RT	RT	Pred_R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	230 4th Function Peeta-PCBs				1.1112	5.579	0.00		0.000		NO	145.9		2.55	150.3
231	231 3rd Function Hexa-PCBs				0.7739	5.579	0.00		0.000		NO	754.9		3.64	760.9

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nY	EMPC	Conc
1	93 PCB-114	42.32	42.32	1.797e3	1.197e3	1.560	1.50	NO	7.9452	7.9452
2	94 PCB-122	42.45	42.47	9.771e2	5.343e2	1.560	1.83	YES	4.3353	0.00906
3	95 PCB-105	43.21	43.21	3.051e4	1.884e4	1.550	1.62	NO	134.82	134.82
4	97 PCB-126	45.52	45.54	7.048e2	4.957e2	1.560	1.42	NO	3.1604	3.1604

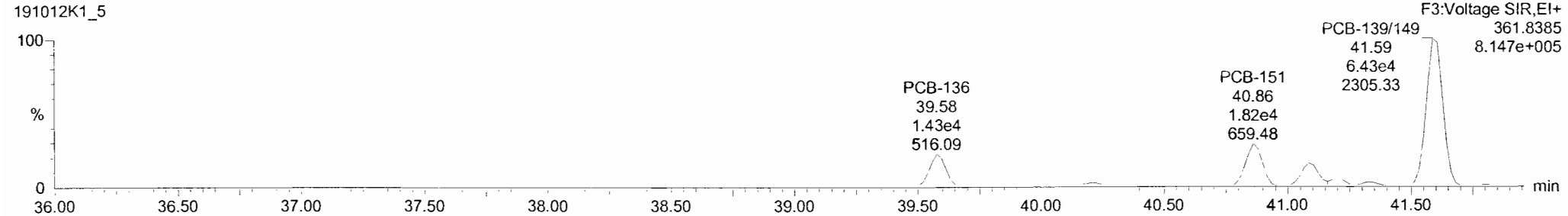
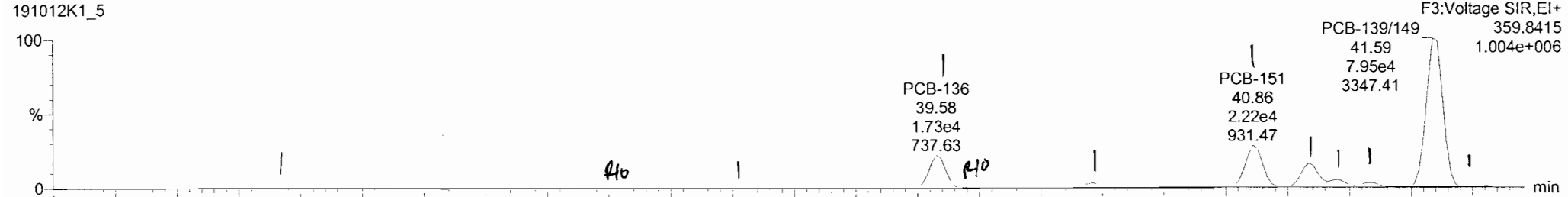


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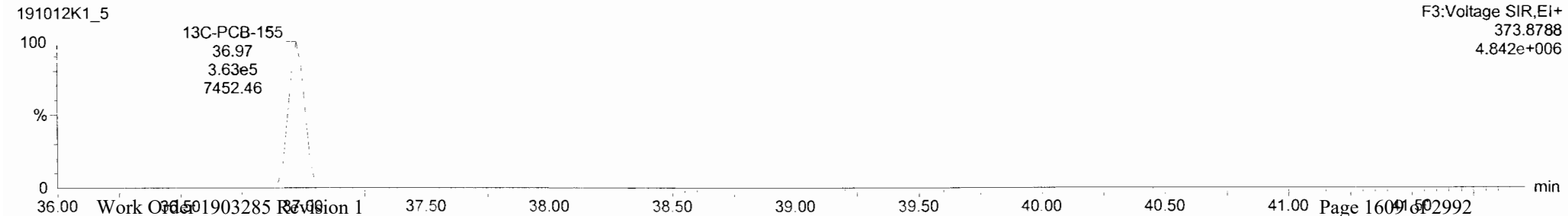
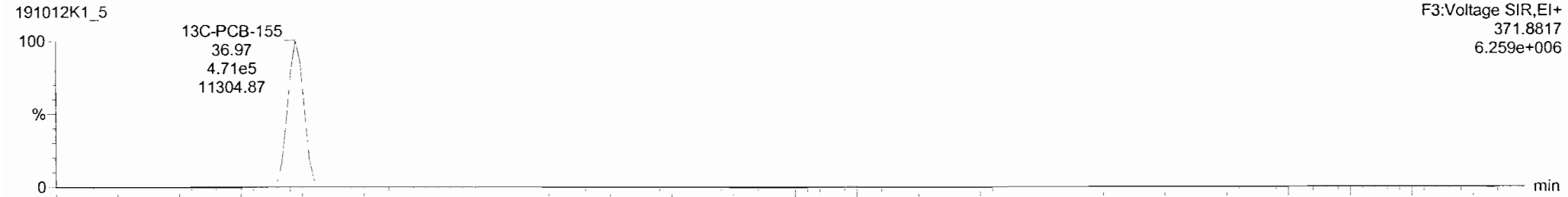
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

PCB-155



13C-PCB-155

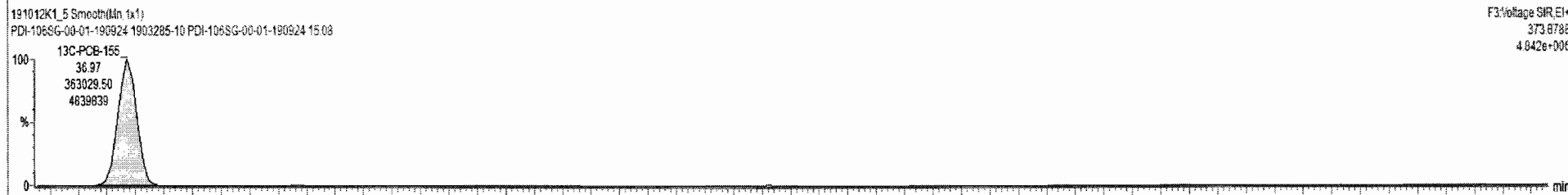
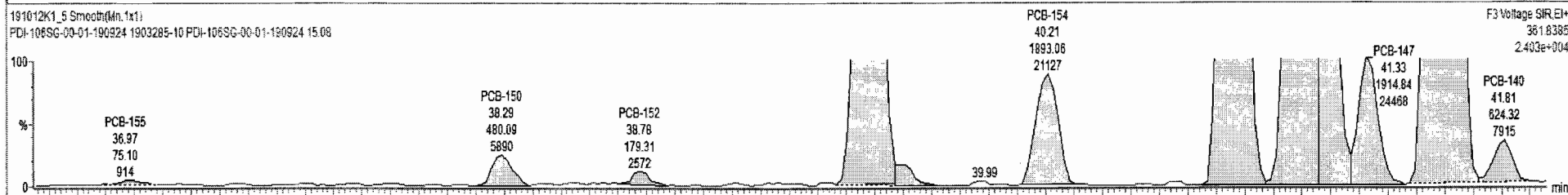
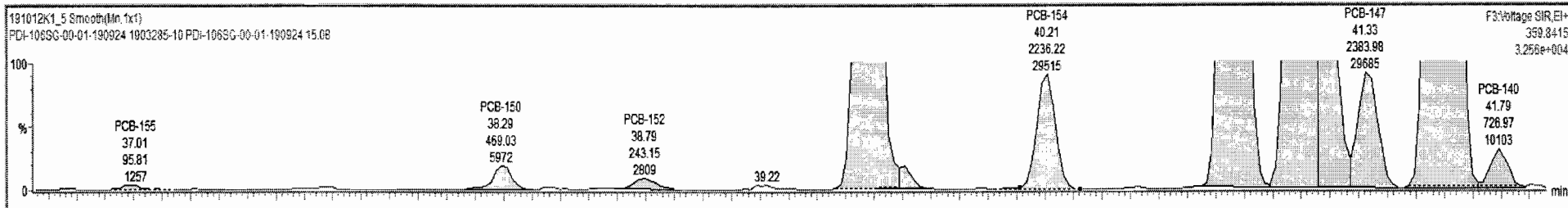




191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RF	w/vol	Pred.RT	RT	Pred.R	RRT	RRT Tol	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.1112	5.579	0.00		0.000		NO	145.9		2.55	150.3
231	231 3rd Function Hexa-PCBs				0.7739	5.579	0.00		0.000		NO	758.5		3.84	762.0

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	I* Ratio (Pred)	RA	n/y	EMPC	Conc
98	PCB-155	36.99	37.01	9.581e1	7.519e1	1.240	1.28	NO	0.42031	0.42031
2	99 PCB-150	38.29	38.29	4.699e2	4.801e2	1.240	0.98	YES	2.0671	0.00000
3	100 PCB-152	38.78	38.78	2.432e2	1.793e2	1.240	1.36	NO	0.90374	0.90374
4	102 PCB-138	39.58	39.58	1.713e4	1.394e4	1.240	1.23	NO	79.154	79.154



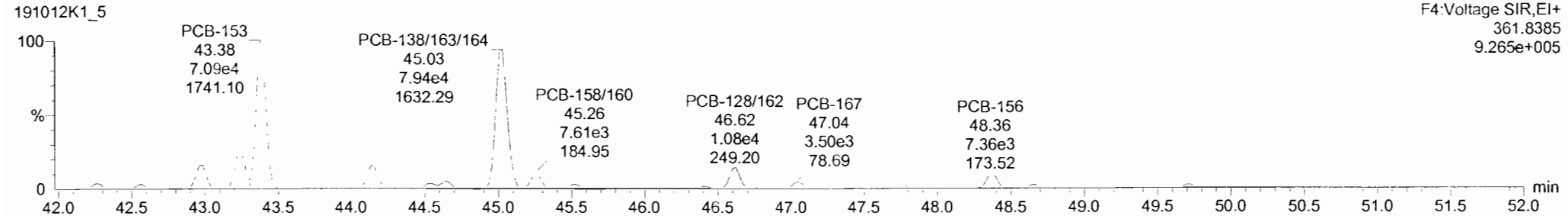
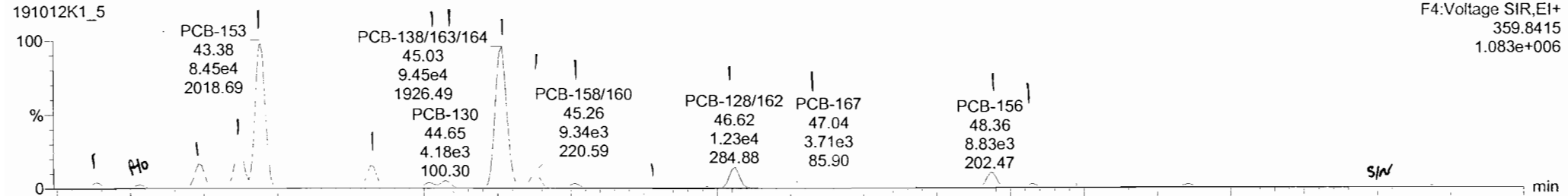
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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time

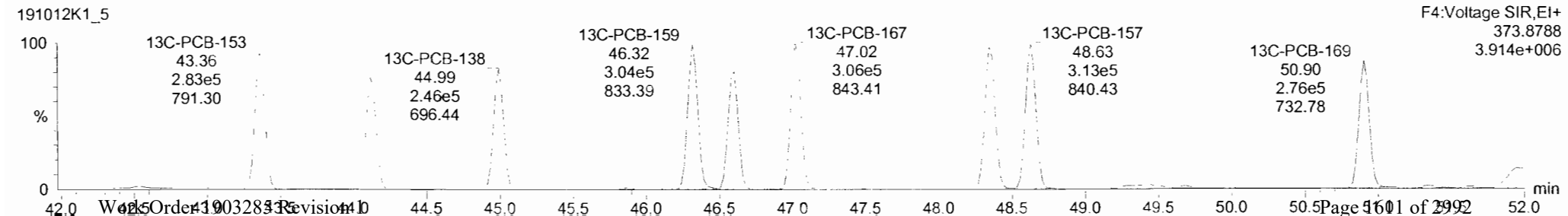
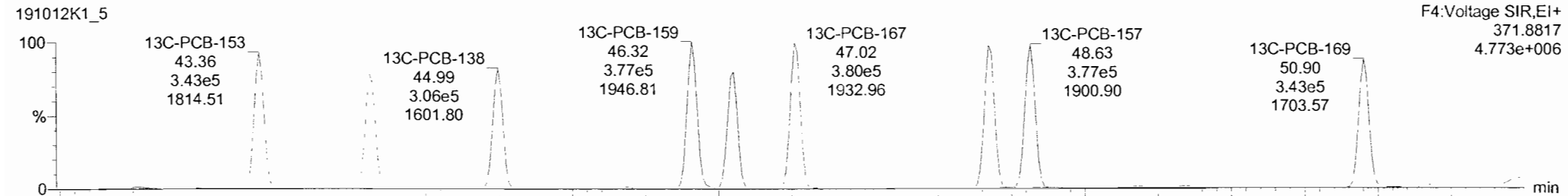
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

PCB-134/143



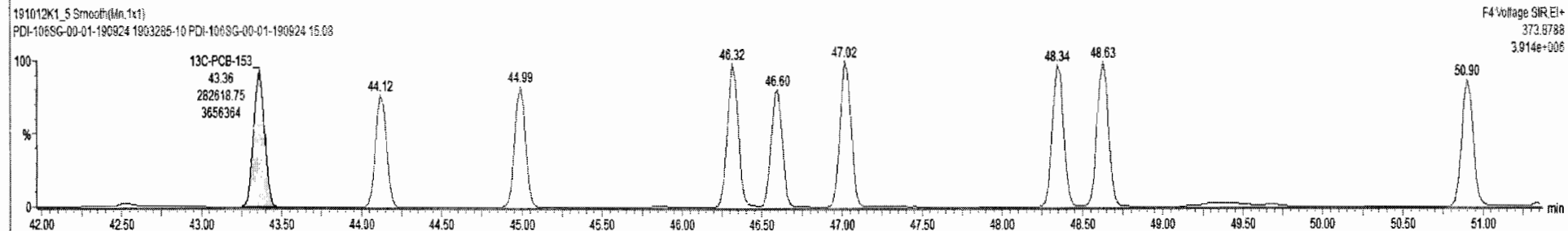
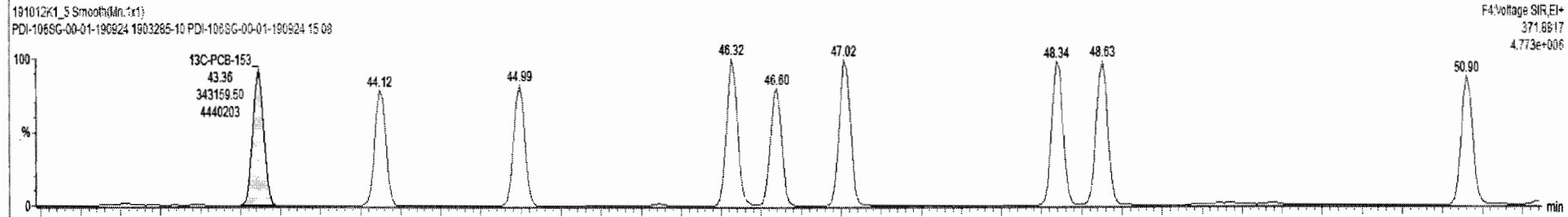
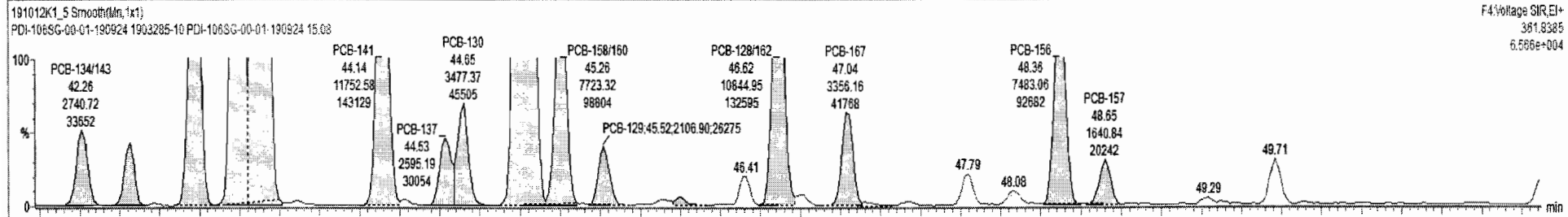
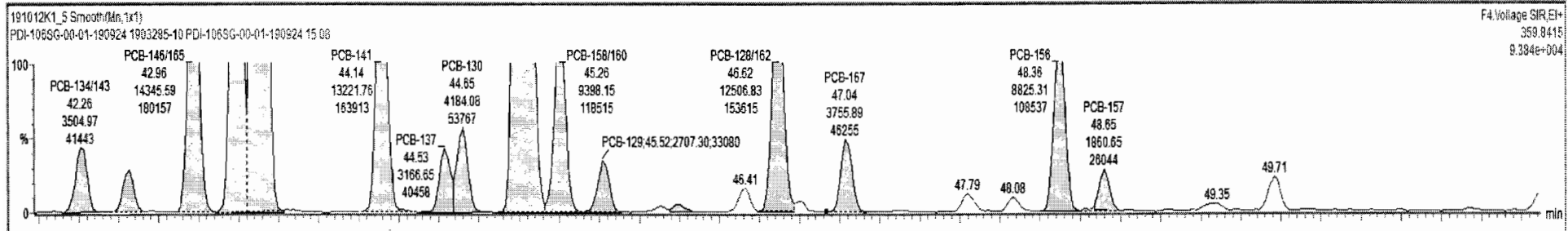
13C-PCB-153



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	5.579	0.00		0.000		NO	1478		10.3	1481
233	233 Total Hepta-PCBs				1.2636	5.579	0.00		0.000		NO	1109		8.99	1117

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	111 PCB-134/143	42.27	42.28	3.505e3	2.741e3	1.240	1.28	NO	24.383	24.383



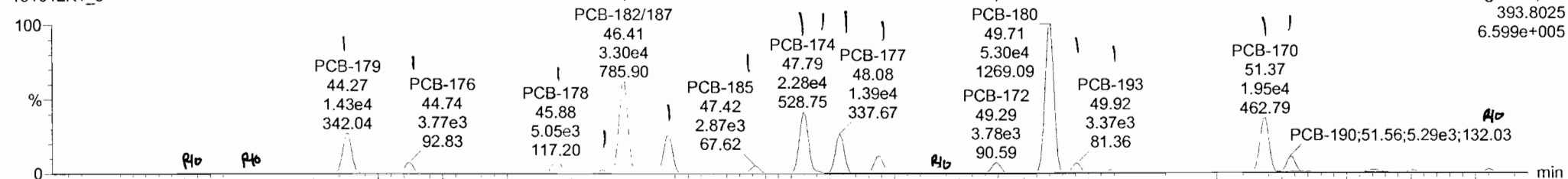
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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
 Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

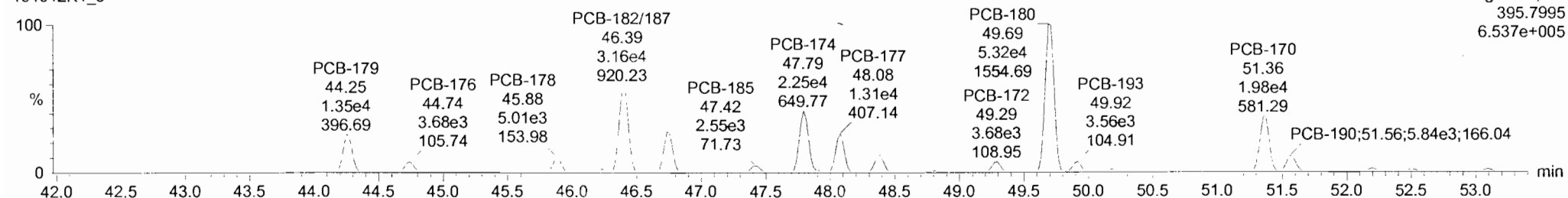
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PCB-188

191012K1_5

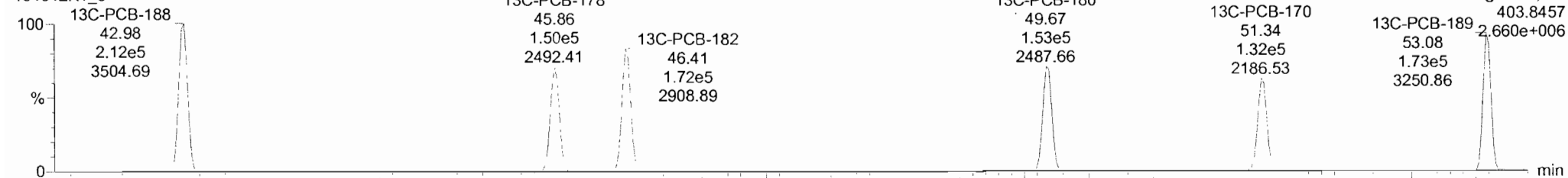


191012K1_5

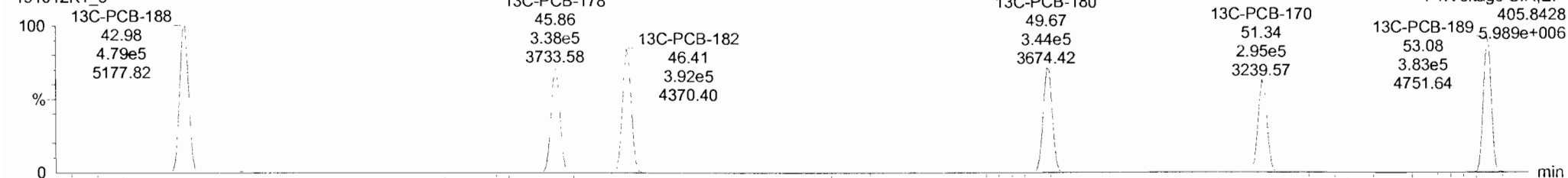


13C-PCB-188

191012K1_5



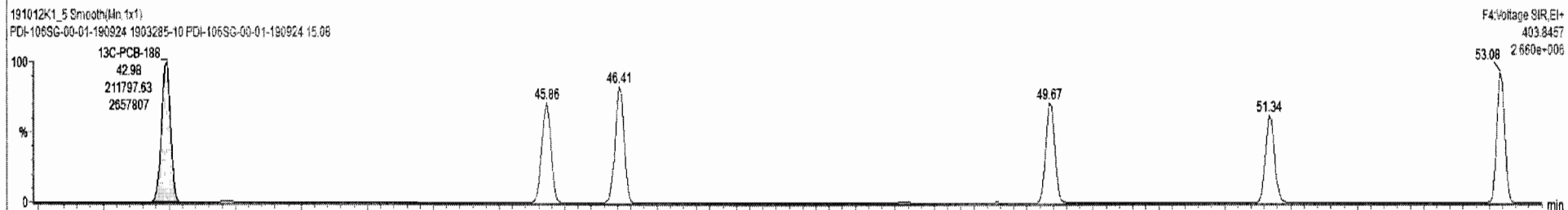
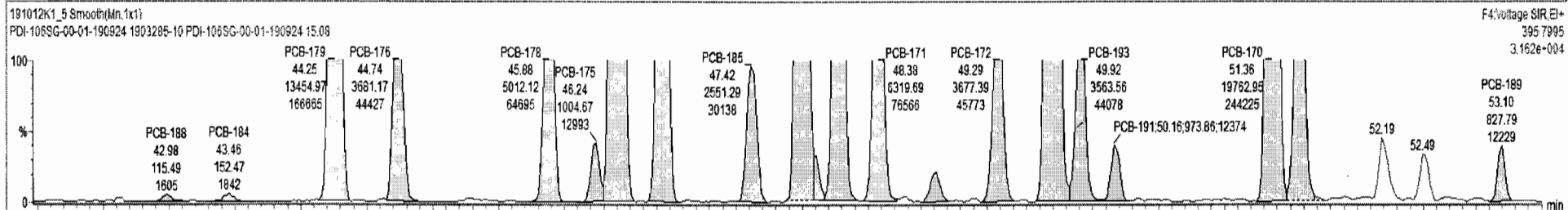
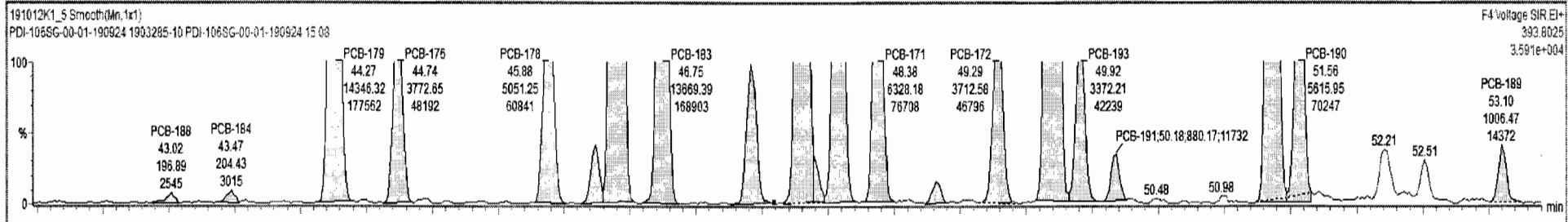
191012K1_5



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	nly	RRF	wbvol	Pred.RT	RT	Pred.R	RRT	RRT.Fact	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	5.579	0.00		0.000		NO	1478		10.3	1491
233	233 Total Hexa-PCBs				1.2636	5.579	0.00		0.000		NO	1109		8.99	1117

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.02	43.02	1.969e2	1.155e2	1.050	1.70	YES	0.51512	0.00000
2	132 PCB-184	43.46	43.47	2.044e2	1.525e2	1.050	1.34	YES	0.89546	0.00000



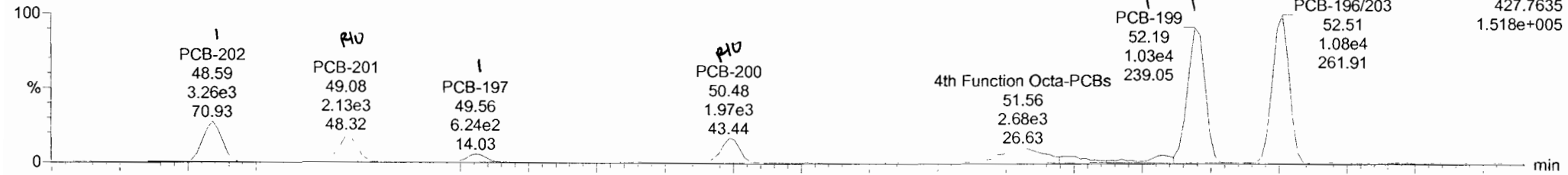
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Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

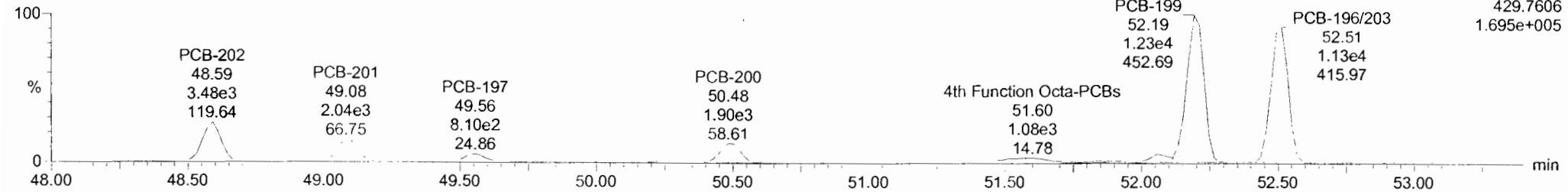
Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

PCB-202

191012K1_5

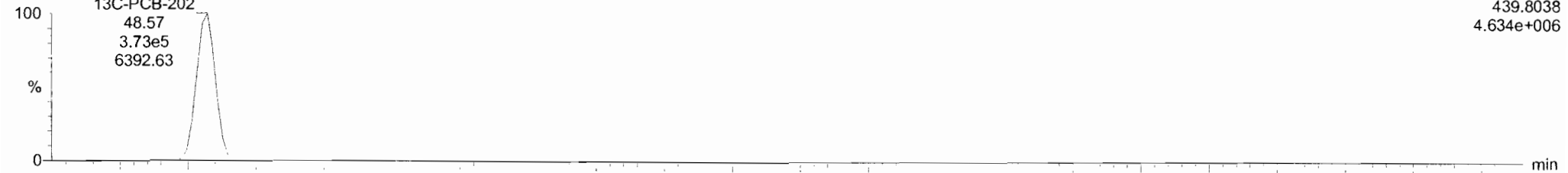


191012K1_5

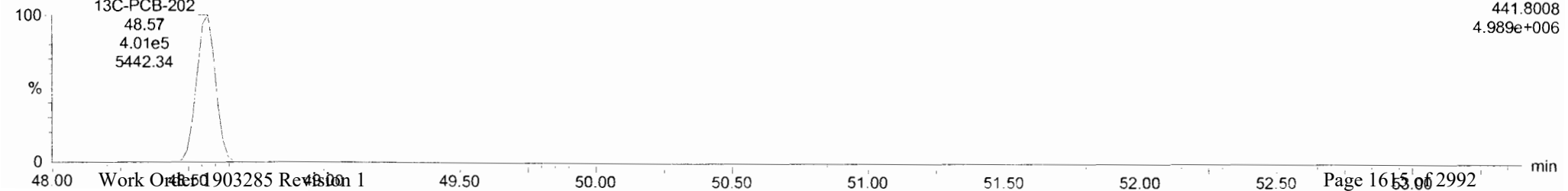


13C-PCB-202

191012K1_5



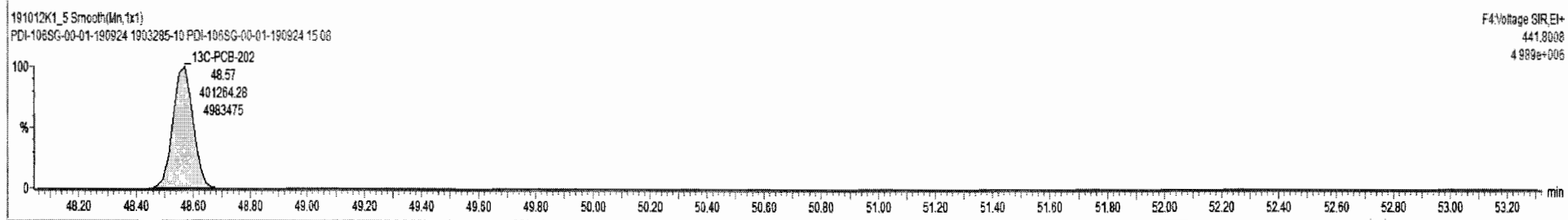
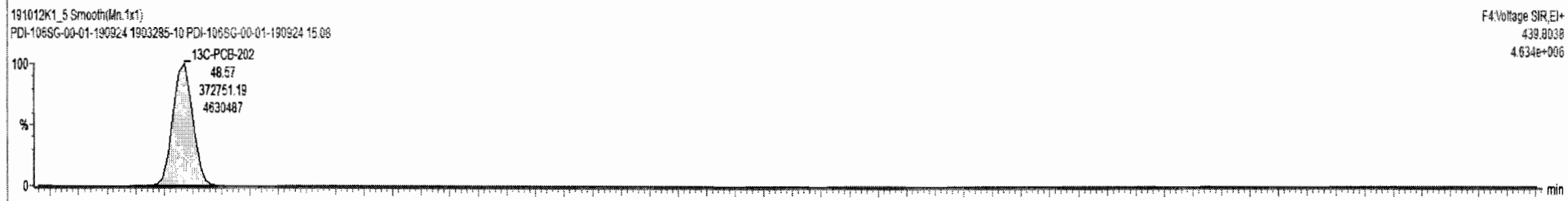
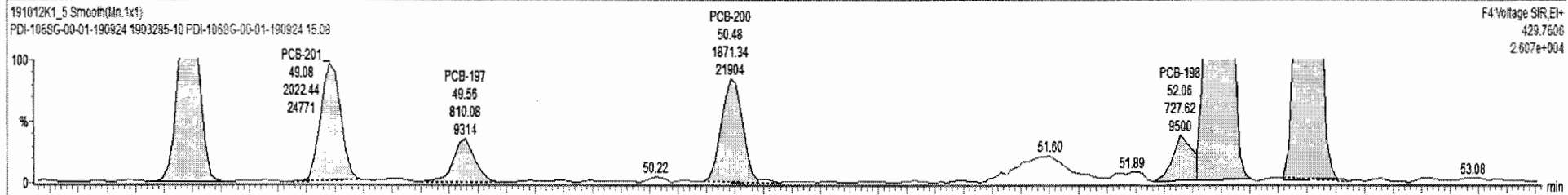
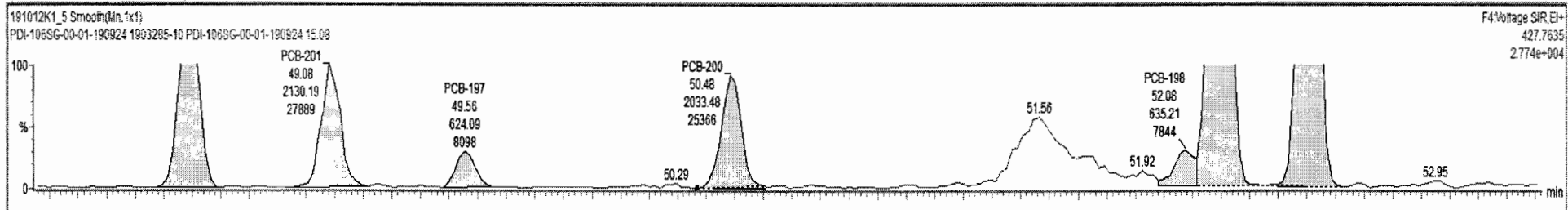
191012K1_5



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRF	w/Vol	Pred_RT	RT	Pred_R	RRT	RRT_Fai	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.8963	5.579	0.00		0.000		NO	162.4		3.25	160.6
235	235 5th Function Octa-PCBs				1.1967	5.579	0.00		0.000		HO	91.97		1.77	91.97

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	154 PCB-202	48.61	48.59	3.257e3	3.490e3	0.890	0.94	NO	15.233	15.233
2	155 PCB-201	49.10	49.08	2.130e3	2.022e3	0.890	1.05	YES	9.6720	0.00600
3	157 PCB-197	49.56	49.56	6.241e2	8.101e2	0.890	0.77	NO	3.3923	3.3923
4	158 PCB-200	50.51	50.48	2.033e3	1.871e3	0.890	1.09	YES	8.5835	0.00006
5	159 PCB-198	52.06	52.08	6.352e2	7.278e2	0.890	0.87	NO	4.2176	4.2176
6	160 PCB-199	52.18	52.19	1.032e4	1.231e4	0.890	0.84	NO	74.241	74.241

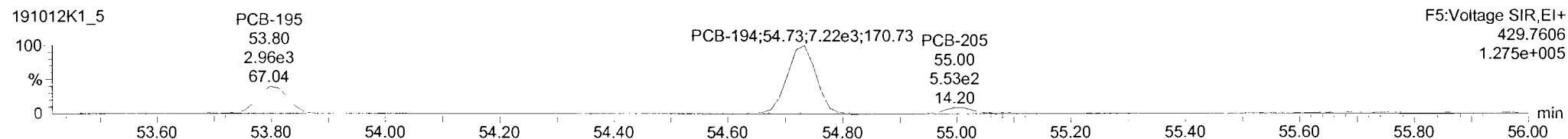
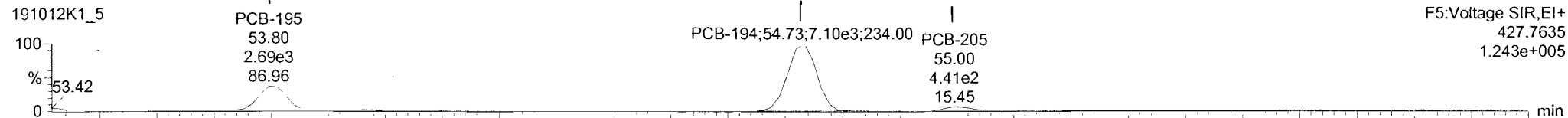


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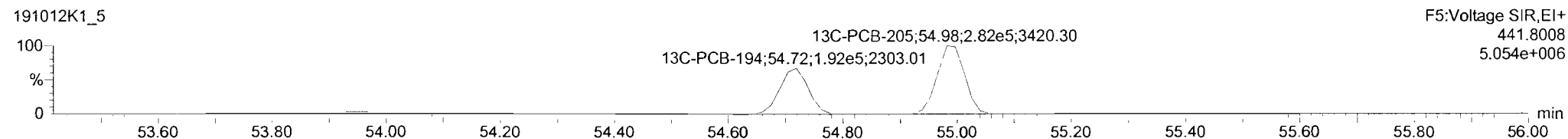
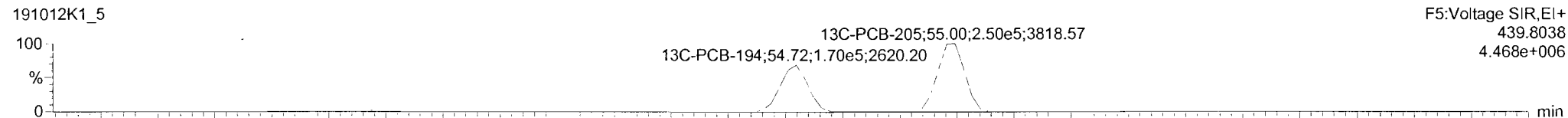
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Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

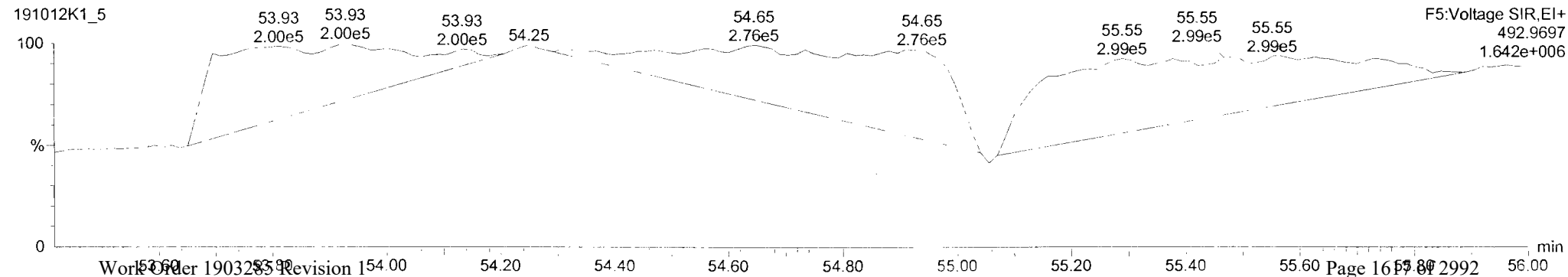
PCB-195



13C-PCB-194

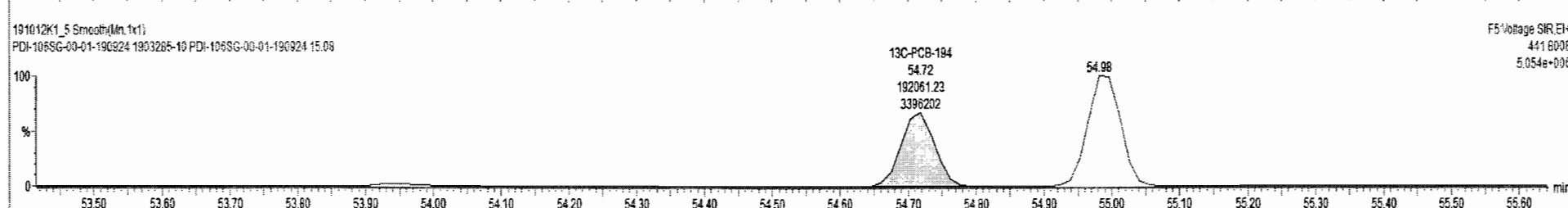
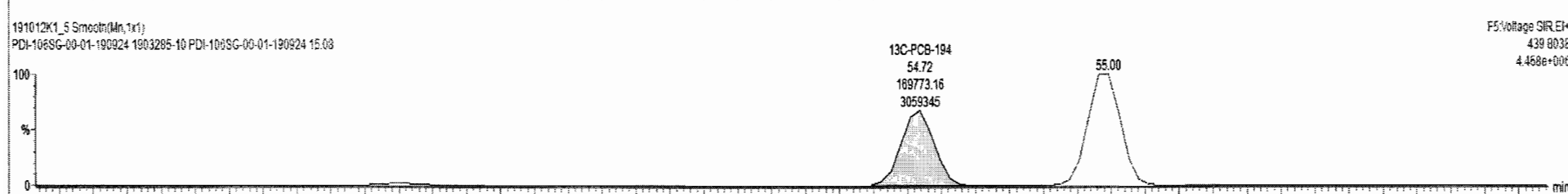
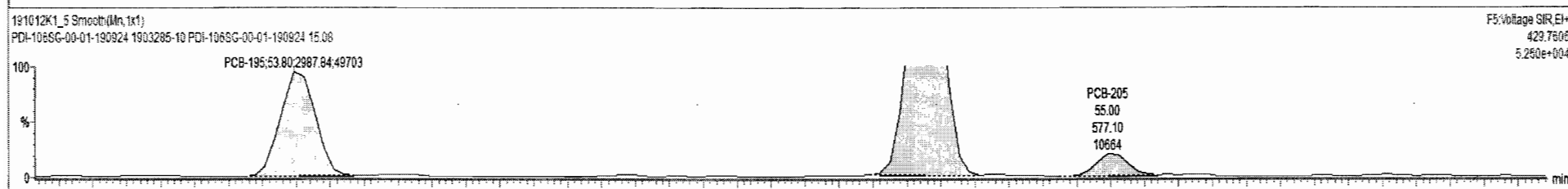
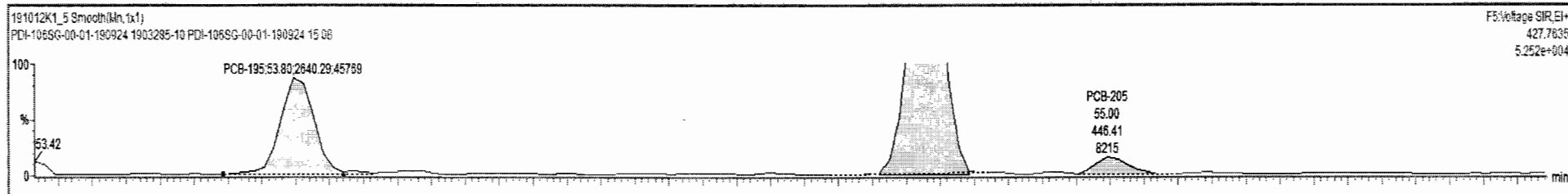


PFK5



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.8863	5.579	0.00		0.000		NO	162.4		3.25	160.6
235	235 5th Function Octa-PCBs				1.1967	5.579	0.00		0.400		NO	92.29		1.77	92.29

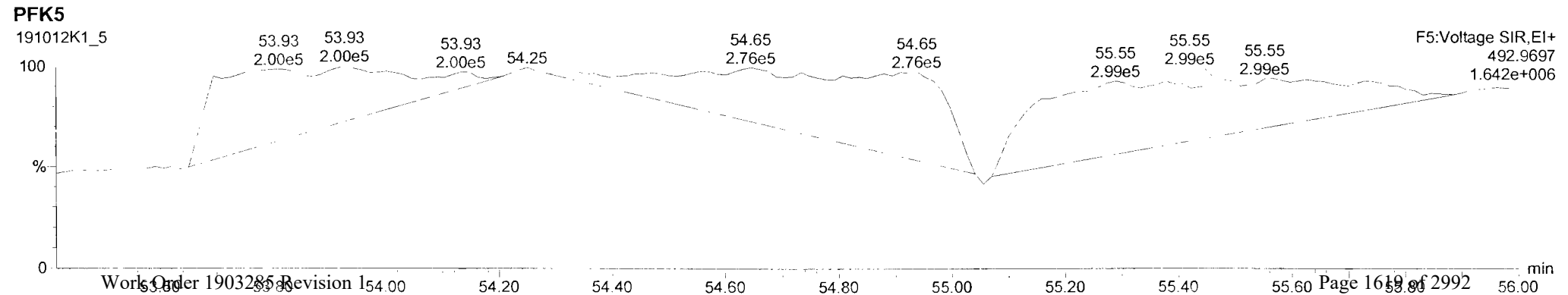
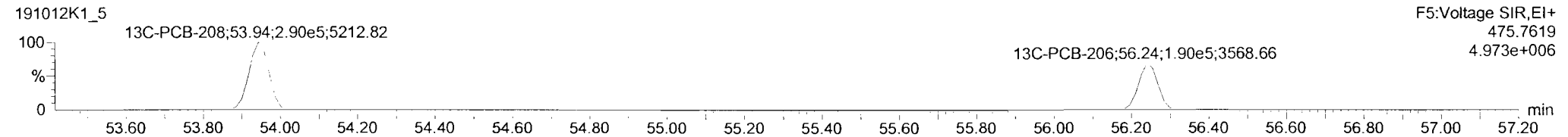
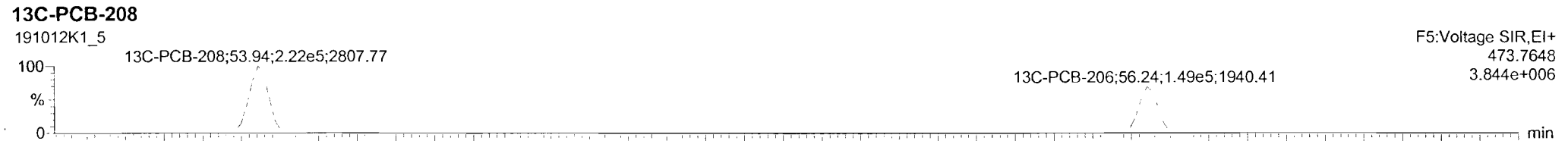
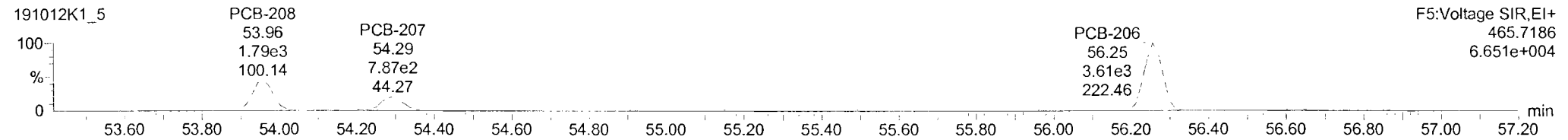
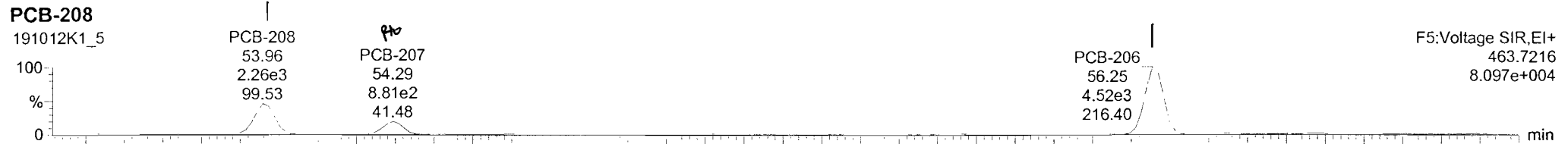
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc
1	162 PCB-195	53.82	53.80	2.649e3	2.968e3	0.890	0.88	NO	26.976	26.976
2	163 PCB-194	54.74	54.73	7.152e3	7.245e3	0.890	0.99	NO	61.893	61.893
3	164 PCB-205	55.00	55.00	4.464e2	5.771e2	0.890	0.77	NO	3.6200	3.6200



Dataset: Untitled

Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

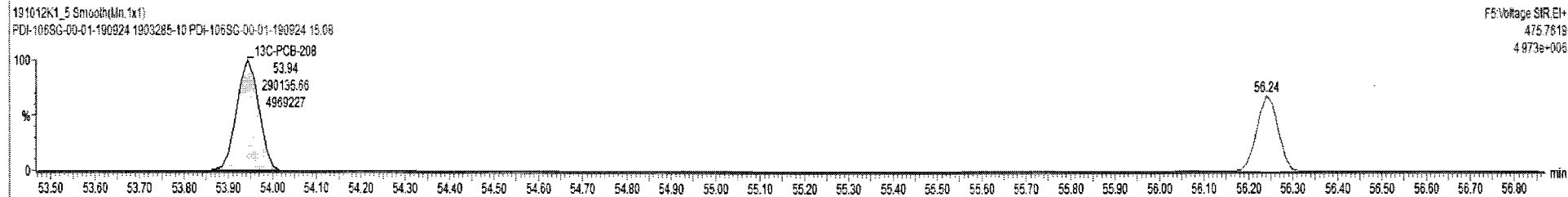
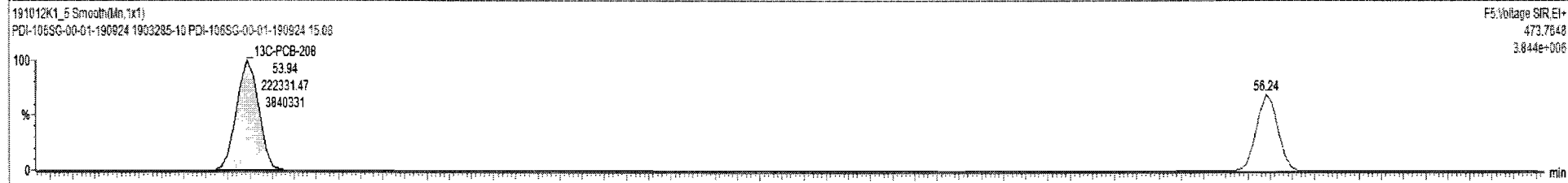
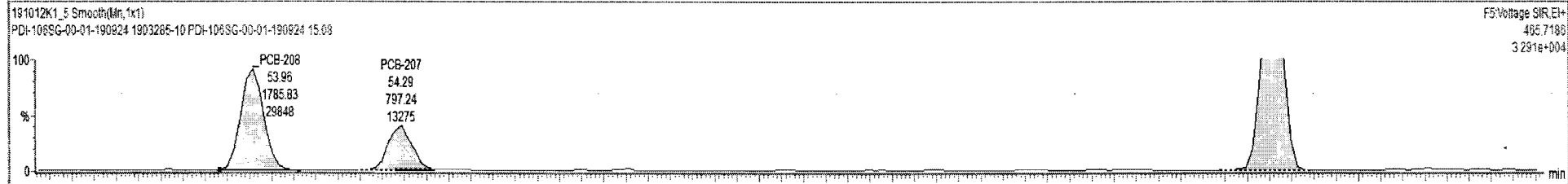
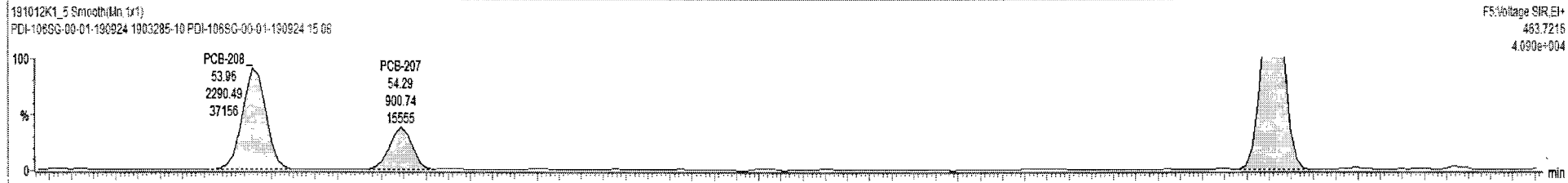
Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924



191012K1_5 - 1903285-10 PDI-106SG-00-01-190924 15.08 - PDI-106SG-00-01-190924

#	Name	Resp	RA	n/y	RRT	wrtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
236	236	Total Nona-PCBs			0.9446	5.579	0.00		0.000		NO	50.69		0.990	64.72
237	237	Deca-CB			6.9426	5.579	0.00		0.000		NO	52.64		0.202	52.64

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.96	53.96	2.299e3	1.786e3	1.340	1.28	NO	15.260	15.260
2	166 PCB-207	54.28	54.29	9.607e2	7.972e2	1.340	1.13	YES	6.0311	6.06000
3	167 PCB-206	56.26	56.25	4.526e3	3.595e3	1.340	1.26	NO	43.429	43.429

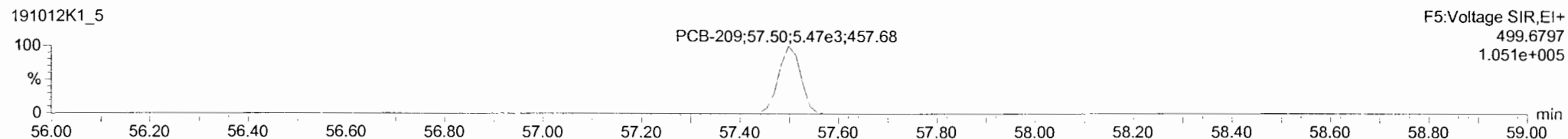
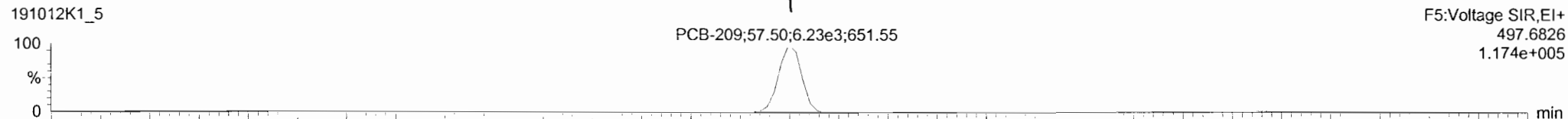


Dataset: Untitled

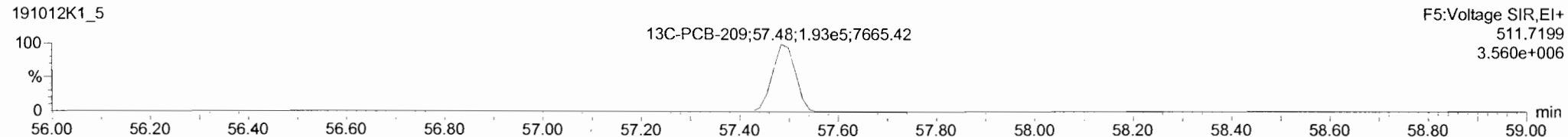
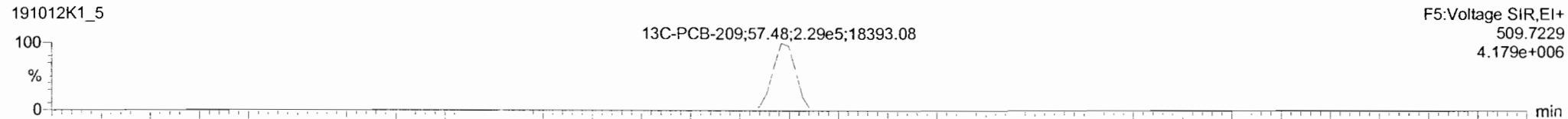
Last Altered: Tuesday, October 15, 2019 12:59:52 Pacific Daylight Time
Printed: Tuesday, October 15, 2019 13:00:06 Pacific Daylight Time

Name: 191012K1_5, Date: 12-Oct-2019, Time: 18:53:42, ID: 1903285-10 PDI-106SG-00-01-190924 15.08, Description: PDI-106SG-00-01-190924

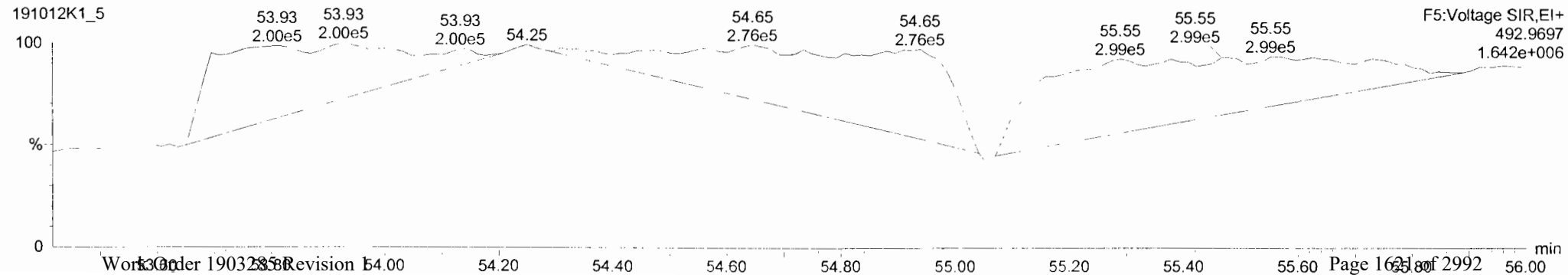
PCB-209



13C-PCB-209



PFK5



SAMPLE DATA – EPA METHOD 1699

Dataset: U:\VG11.PRO\Results\191023K2\191023K2-7.qld

Last Altered: Thursday, October 24, 2019 07:57:01 Pacific Daylight Time

Printed: Thursday, October 24, 2019 10:12:39 Pacific Daylight Time

GRB 10/24/19

HL 10/30/19

CT 10/30/19

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	7.36e3	5.78e5	1.08	NO	0.840	1.000	23.14	23.13	1.001	1.001	NO	15.2		0.380	15.2
2	3 Alpha-BHC		4.56e5		NO	0.751	1.000	23.70			1.002	NO			3.74	
3	4 Lindane (gamma-BHC)		3.83e5		NO	0.717	1.000	27.01			1.001	YES			5.31	
4	5 Beta-BHC		3.00e5		NO	0.870	1.000	29.02			1.000	NO			4.65	
5	6 Delta-BHC		3.51e5		NO	0.817	1.000	30.70			1.001	YES			3.86	
6	7 Heptachlor		2.40e5		NO	0.868	1.000	29.17			1.001	YES			0.855	
7	9 Aldrin		2.81e5		NO	0.946	1.000	31.27			1.001	YES			1.65	
8	10 Oxychlorane		7.78e4		NO	0.926	1.000	33.82			1.001	YES			5.68	
9	11 cis-Heptachlor Epoxide		1.04e5		NO	0.937	1.000	34.61			1.001	YES			3.77	
10	12 trans-Heptachlor Epox...		1.04e5		NO	0.238	1.000	35.11			1.015	YES			14.8	
11	13 trans-Chlordane (gam...		8.58e4		NO	0.980	1.000	35.52			1.001	YES			4.42	
12	14 trans-Nonachlor		9.19e4		NO	0.902	1.000	35.71			1.001	YES			4.39	
13	15 cis-Chlordane		9.19e4		NO	0.899	1.000	36.20			1.014	NO			4.41	
14	16 Endosulfan I (alpha)		4.91e4		NO	1.03	1.000	36.29			1.001	YES			7.55	
15	18 2,4'-DDE		1.66e6		NO	0.758	1.000	36.16			1.000	NO			4.48	
16	19 4,4'-DDE		1.23e6		NO	0.771	1.000	37.25			1.000	NO			5.54	
17	20 Dieldrin		1.36e5		NO	0.927	1.000	37.75			1.000	YES			2.93	
18	21 Endrin		7.77e4		NO	0.902	1.000	39.13			1.000	YES			4.87	
19	22 cis-Nonachlor		7.81e4		NO	0.913	1.000	39.42			1.000	YES			4.96	
20	23 Endosulfan II (beta)		2.32e4		NO	1.03	1.000	40.14			1.000	YES			15.7	
21	24 2,4'-DDD		1.14e6		NO	0.890	1.000	38.37			1.000	YES			8.21	
22	25 2,4'-DDT		5.66e5		NO	0.865	1.000	39.52			1.000	NO			17.7	
23	26 4,4'-DDD		9.36e5		NO	0.971	1.000	39.64			1.000	NO			8.60	
24	27 4,4'-DDT		4.35e5		NO	0.974	1.000	40.71			1.000	NO			19.4	
25	28 Endosulfan Sulfate		3.49e4		NO	0.896	1.000	41.88			1.000	YES			13.1	
26	29 4,4'-Methoxychlor		4.37e6		NO	1.10	1.000	43.74			1.000	YES			3.50	
27	30 Mirex		2.17e5		NO	0.870	1.000	44.35			1.000	YES			2.87	
28	31 Endrin Aldehyde		1.54e5		NO	0.962	1.000	41.28			1.000	YES			24.0	
29	32 Endrin Ketone		3.72e5		NO	0.867	1.000	44.46			1.000	YES			10.1	
30	34 13C6-Hexachlorobenz...	5.78e5	2.40e6	1.26	NO	0.710	1.000	23.11	23.11	0.873	0.873	NO	339	33.9	0.155	
31	35 13C6-Alpha-BHC	4.56e5	2.40e6	0.79	NO	0.255	1.000	23.65	23.66	0.893	0.893	NO	743	74.3	4.64	

Dataset: U:\VG11.PRO\Results\191023K2\191023K2-7.qld

Last Altered: Thursday, October 24, 2019 07:57:01 Pacific Daylight Time

Printed: Thursday, October 24, 2019 10:12:39 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	3.83e5	2.40e6	0.80	NO	0.216	1.000	26.98	26.98	1.019	1.019	NO	739	73.9	5.50	
33	37 13C6-Beta-BHC	3.00e5	2.40e6	0.79	NO	0.162	1.000	29.03	29.01	1.095	1.096	NO	769	76.9	7.30	
34	38 13C6-Delta-BHC	3.51e5	2.40e6	0.79	NO	0.185	1.000	30.70	30.68	1.158	1.159	NO	791	79.1	6.41	
35	39 13C10-Heptachlor	2.40e5	2.40e6	1.29	NO	0.178	1.000	29.12	29.14	1.100	1.099	NO	561	56.1	1.25	
36	40 13C12-Aldrin	2.81e5	2.40e6	1.60	NO	0.186	1.000	31.26	31.24	1.179	1.180	NO	628	62.8	2.65	
37	41 13C10-Oxychlorane	7.78e4	2.40e6	1.68	NO	0.0499	1.000	33.84	33.80	1.276	1.278	NO	649	64.9	9.92	
38	42 13C10-cis-Heptachlor ...	1.04e5	2.40e6	1.60	NO	0.0657	1.000	34.63	34.59	1.306	1.308	NO	655	65.5	7.52	
39	43 13C10-trans-Chlordan...	8.58e4	2.40e6	1.59	NO	0.0525	1.000	35.54	35.50	1.340	1.342	NO	679	67.9	9.41	
40	44 13C10-trans-Nonachlor	9.19e4	2.40e6	1.75	NO	0.0587	1.000	35.73	35.69	1.347	1.349	NO	651	65.1	8.42	
41	45 13C9-Endosulfan I (al...	4.91e4	2.40e6	1.57	NO	0.0343	1.000	36.33	36.27	1.369	1.372	NO	596	59.6	14.4	
42	46 13C12-2,4'-DDE	1.66e6	2.40e6	1.56	NO	1.01	1.000	36.17	36.15	0.996	0.996	NO	683	68.3	3.19	
43	47 13C12-4,4'-DDE	1.23e6	2.40e6	1.58	NO	0.760	1.000	37.23	37.23	1.025	1.025	NO	674	67.4	4.23	
44	48 13C12-Dieldrin	1.36e5	2.40e6	1.64	NO	0.0797	1.000	37.73	37.73	1.039	1.039	NO	708	70.8	6.79	
45	49 13C12-Endrin	7.77e4	2.40e6	1.59	NO	0.0599	1.000	39.13	39.13	1.077	1.078	NO	539	53.9	9.04	
46	50 13C10-cis-Nonachlor	7.81e4	2.40e6	1.55	NO	0.0486	1.000	39.41	39.41	1.085	1.085	NO	668	66.8	11.1	
47	51 13C9-Endosulfan II	2.32e4	2.40e6	1.56	NO	0.0145	1.000	40.15	40.14	1.105	1.106	NO	665	66.5	37.3	
48	52 13C12-2,4'-DDD	1.14e6	2.40e6	1.58	NO	0.653	1.000	38.42	38.37	1.449	1.451	NO	724	72.4	2.97	
49	53 13C12-2,4'-DDT	5.66e5	2.40e6	1.60	NO	0.443	1.000	39.54	39.50	1.491	1.493	NO	531	53.1	4.37	
50	54 13C12-4,4'-DDD	9.36e5	2.40e6	1.61	NO	0.550	1.000	39.67	39.62	1.496	1.498	NO	707	70.7	3.52	
51	55 13C12-4,4'-DDT	4.35e5	2.40e6	1.62	NO	0.354	1.000	40.74	40.69	1.536	1.538	NO	511	51.1	5.47	
52	56 13C9-Endosulfan Sulf...	3.49e4	2.40e6	1.48	NO	0.0239	1.000	41.86	41.88	1.153	1.153	NO	606	60.6	22.4	
53	57 13C12-Methoxychlor	4.37e6	2.40e6	24.32	NO	0.362	1.000	43.72	43.73	1.204	1.204	NO	5030	50.3	6.29	
54	58 13C10-Mirex	2.17e5	2.40e6	1.50	NO	0.184	1.000	44.32	44.33	1.221	1.220	NO	493	49.3	4.83	
55	59 13C12-Endrin Aldehyde	1.54e5	2.40e6	0.43	NO	0.0307	1.000	41.26	41.26	1.136	1.136	NO	2090	20.9	24.7	
56	60 13C12-Endrin Ketone	3.72e5	2.40e6	0.44	NO	0.0240	1.000	44.44	44.46	1.224	1.224	NO	6450	64.5	31.6	
57	62 13C-PCB-15	2.40e6	2.40e6	1.50	NO	1.00	1.000	26.42	26.49	1.000	1.000	NO	1000	100	0.718	

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Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

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Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

Hexachlorobenzene

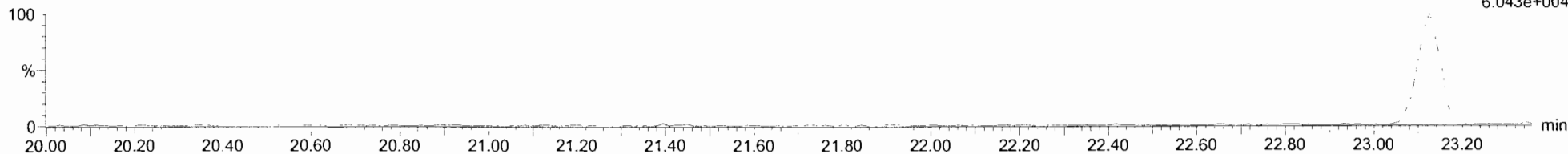
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Method Blank B9J0002-BLK1 Method Blank 1

F1:Voltage SIR,EI+
Hexachlorobenzene;23.13;3.82e3;59607;bb;111.22 283.8102
5.992e+004



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

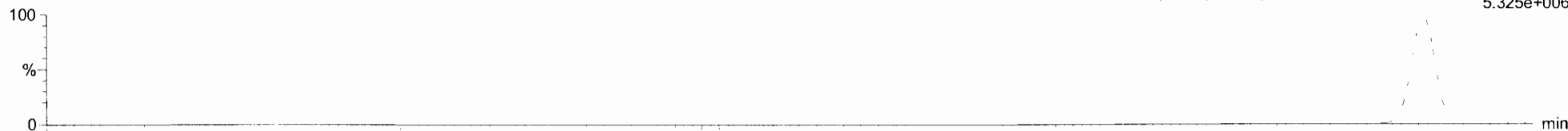
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Hexachlorobenzene;23.13;3.54e3;60138;bb;87.92 285.8072
6.043e+004



13C6-Hexachlorobenzene

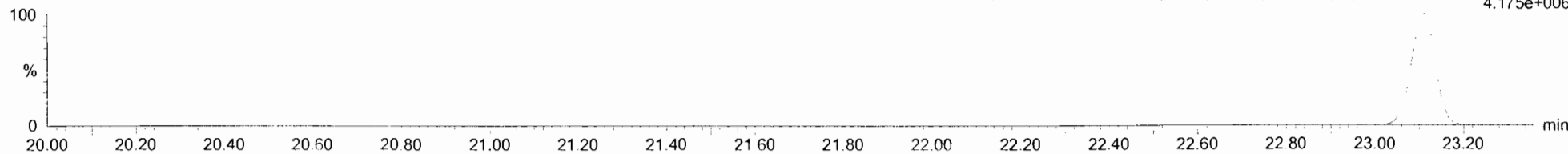
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Method Blank B9J0002-BLK1 Method Blank 1

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.11;3.22e5;5320955;bb;7121.43 289.8303
5.325e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.11;2.56e5;4169198;bb;5557.49 291.8273
4.175e+006

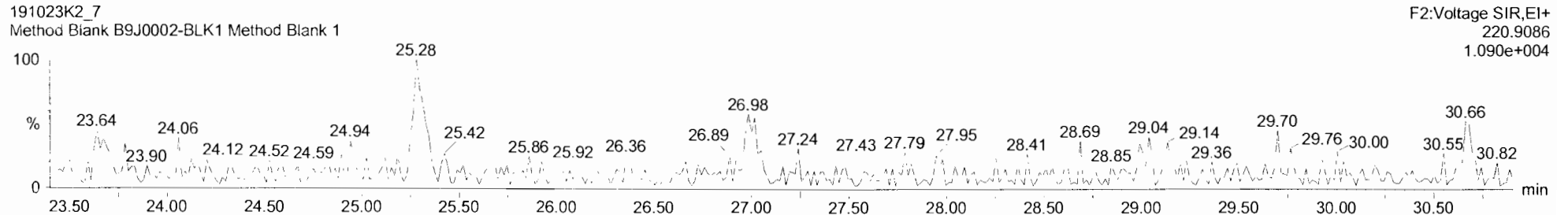
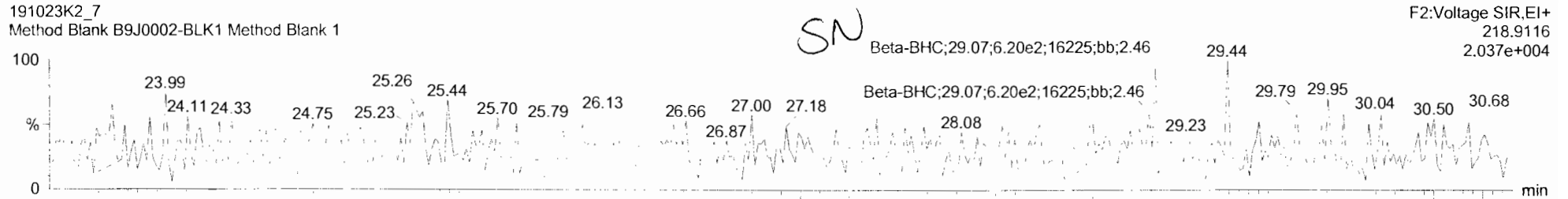


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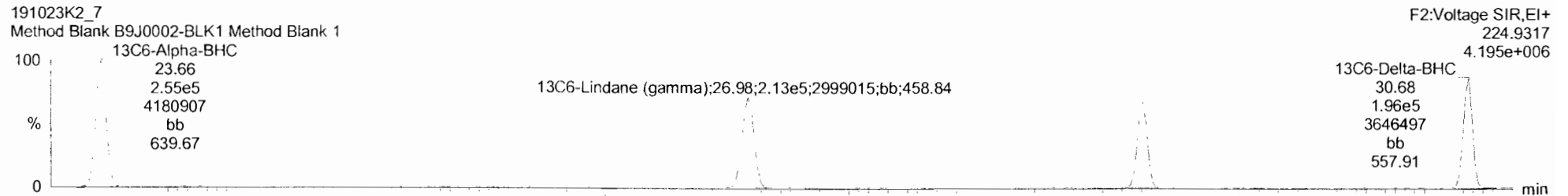
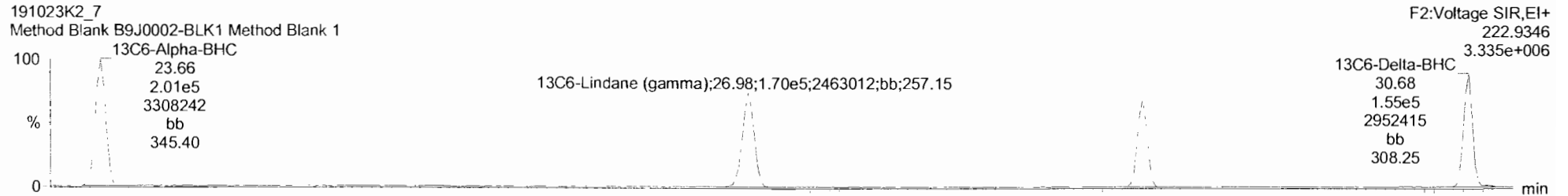
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Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

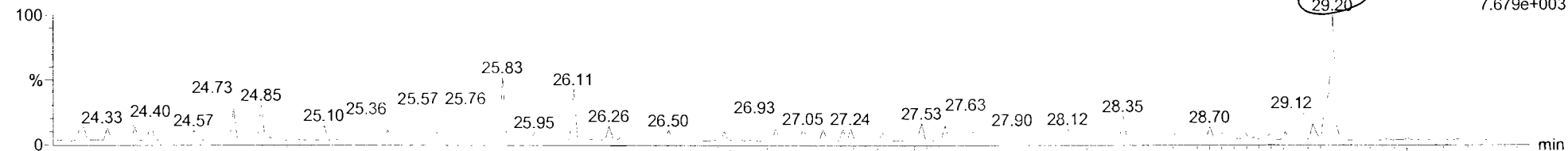
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Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

Heptachlor

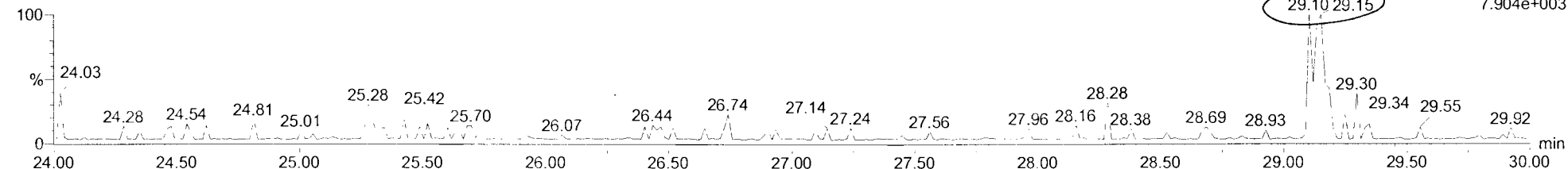
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F2:Voltage SIR,EI+
271.8102
7.679e+003



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F2:Voltage SIR,EI+
273.8072
7.904e+003



13C10-Heptachlor

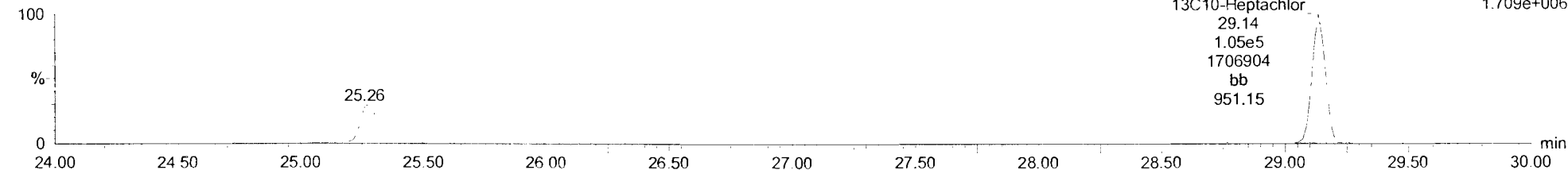
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F2:Voltage SIR,EI+
276.8269
2.191e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F2:Voltage SIR,EI+
278.8240
1.709e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

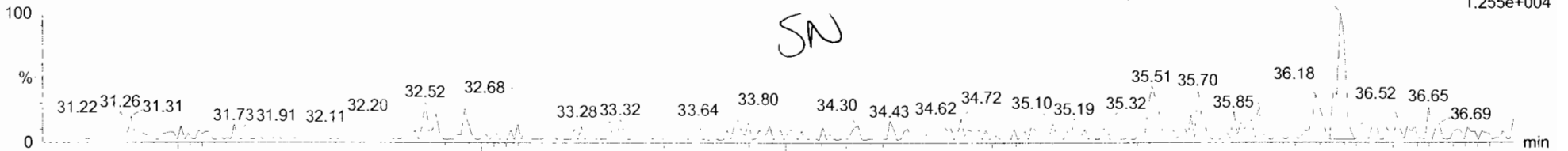
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Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

Aldrin-EI

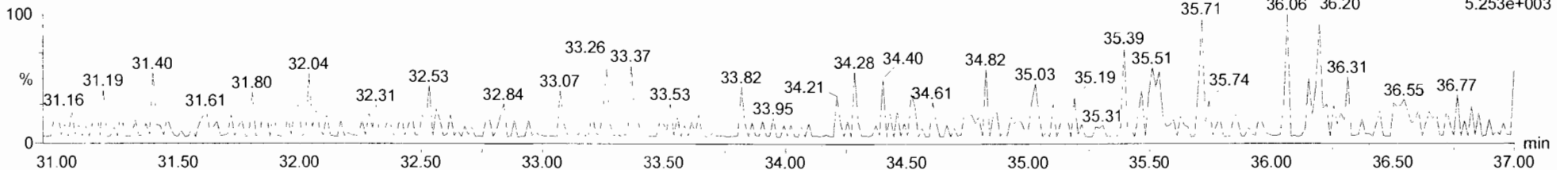
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F3:Voltage SIR,EI+
262.8569
1.255e+004



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

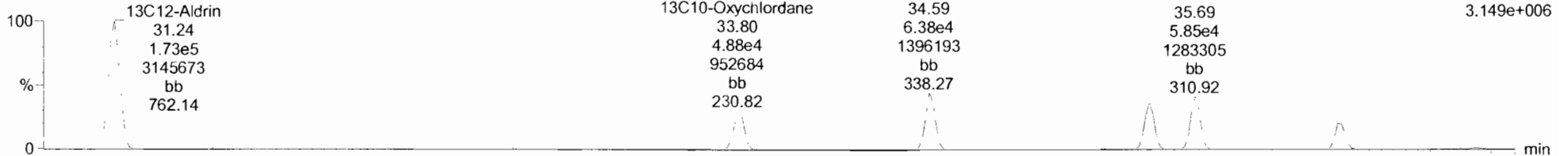
F3:Voltage SIR,EI+
264.8550
5.253e+003



Aldrin-EI-isotopes

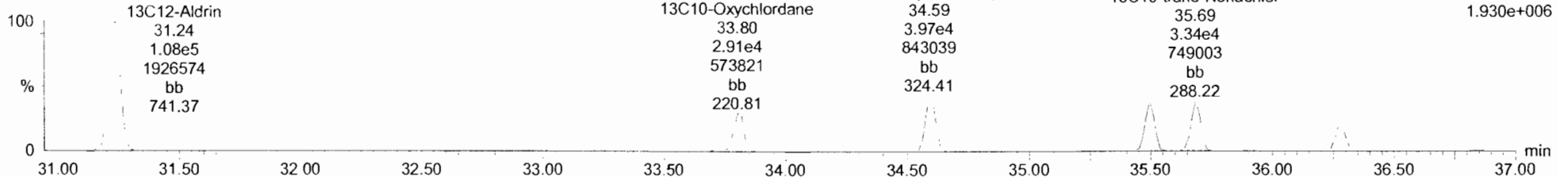
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F3:Voltage SIR,EI+
269.8804
3.149e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F3:Voltage SIR,EI+
271.8775
1.930e+006



Dataset: Untitled

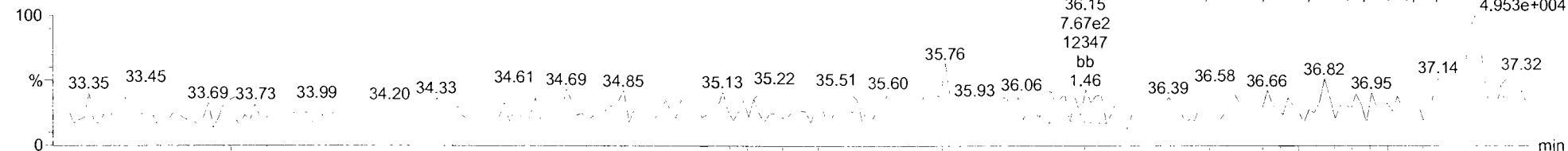
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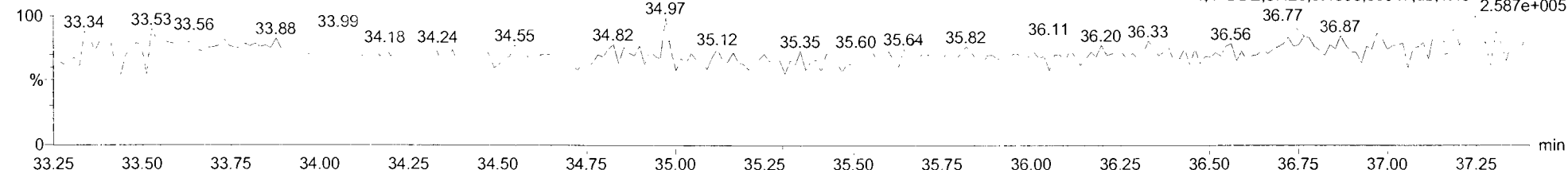
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DDMU-DDE

191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

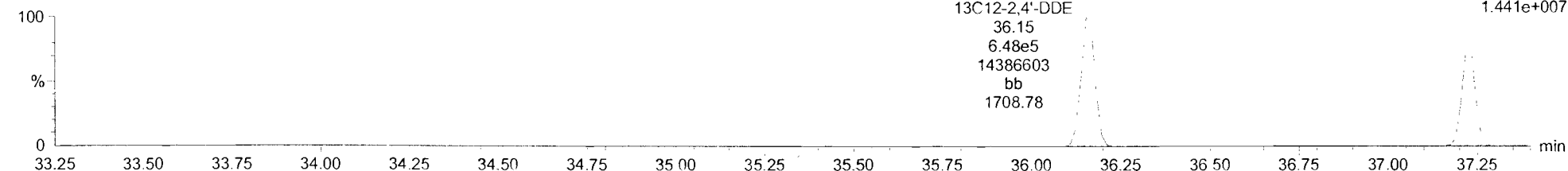


DDE-isotopes

191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1



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Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

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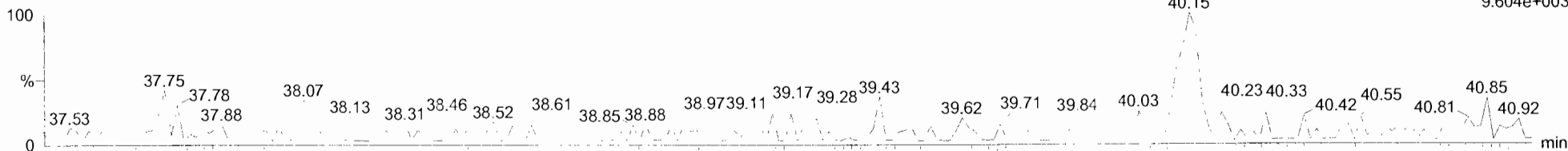
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Dieldrin-EII

191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

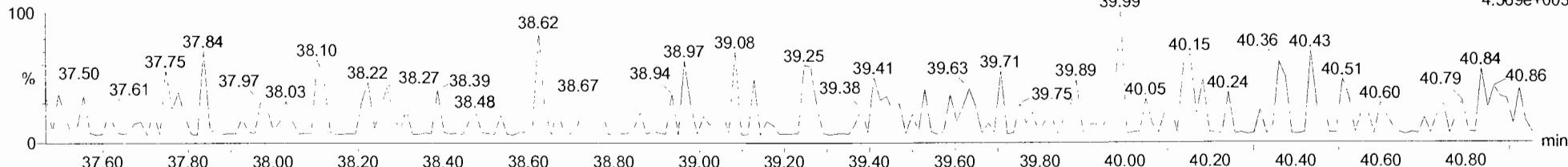
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F4:Voltage SIR,EI+
262.8569
9.604e+003



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

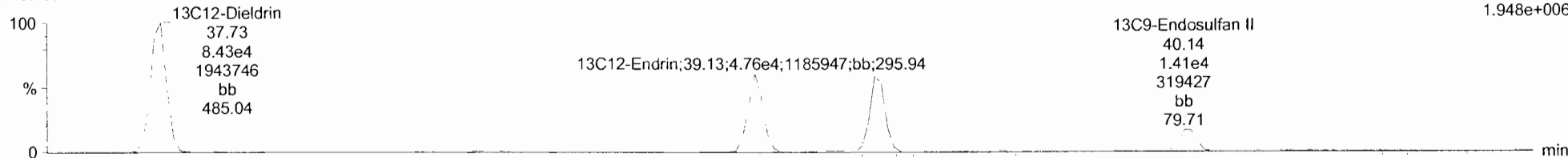
F4:Voltage SIR,EI+
264.8550
4.569e+003



Dieldrin-EII-isotopes

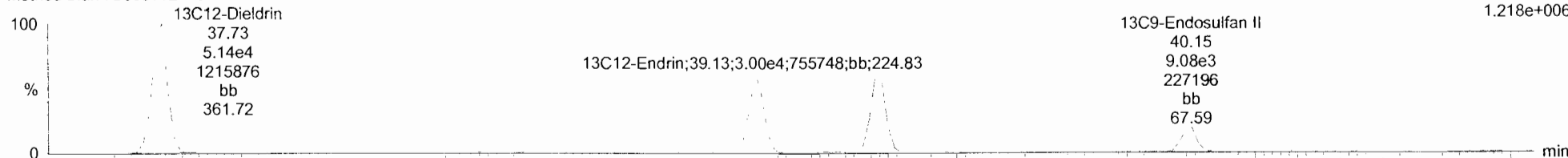
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F4:Voltage SIR,EI+
269.8804
1.948e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F4:Voltage SIR,EI+
271.8775
1.218e+006



Dataset: Untitled

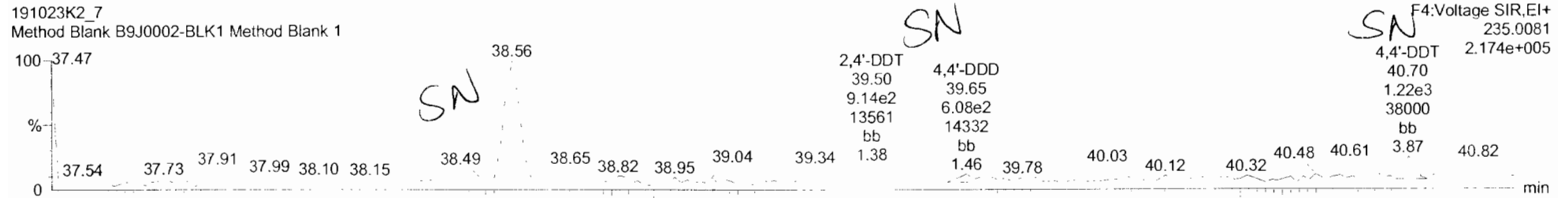
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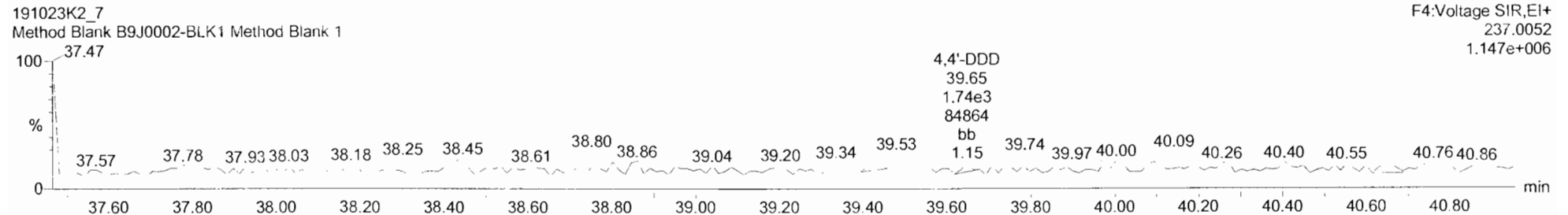
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DDD-DDT

191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

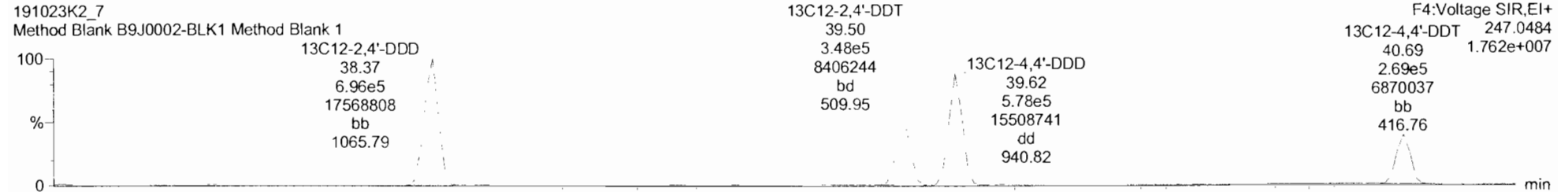


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Method Blank B9J0002-BLK1 Method Blank 1

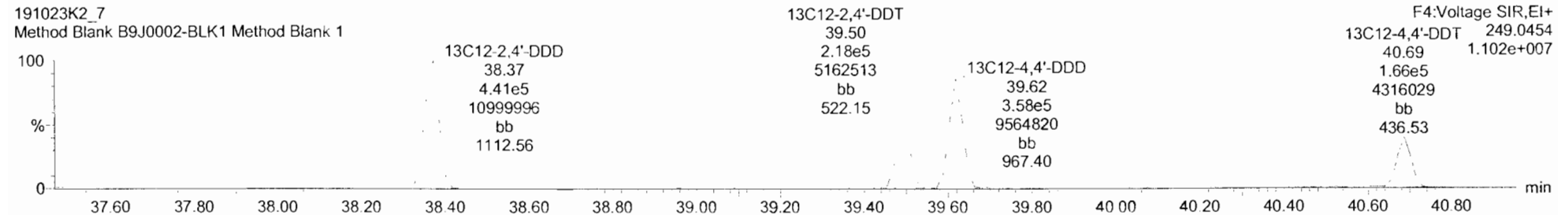


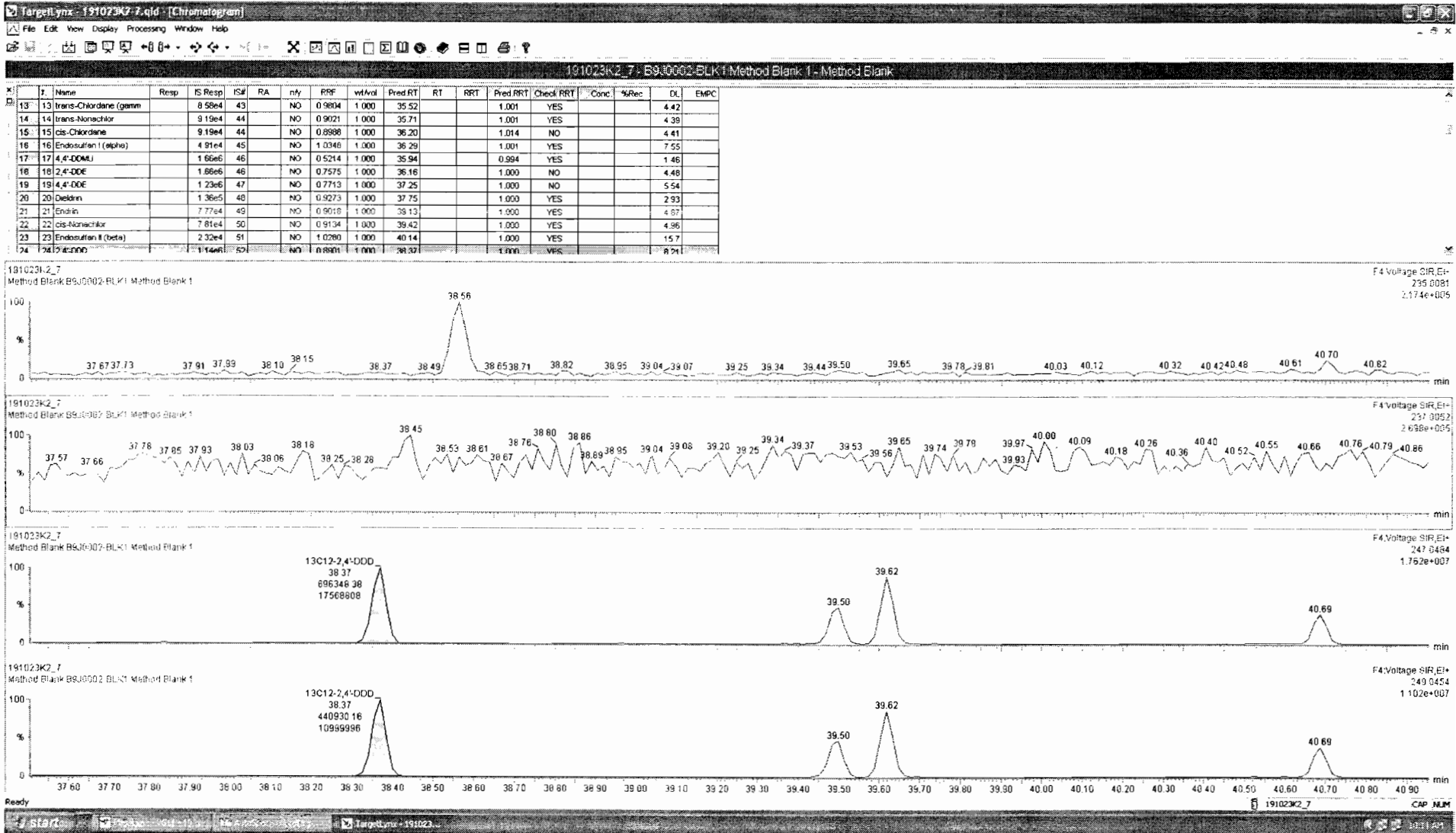
DDD-DDT-isotopes

191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

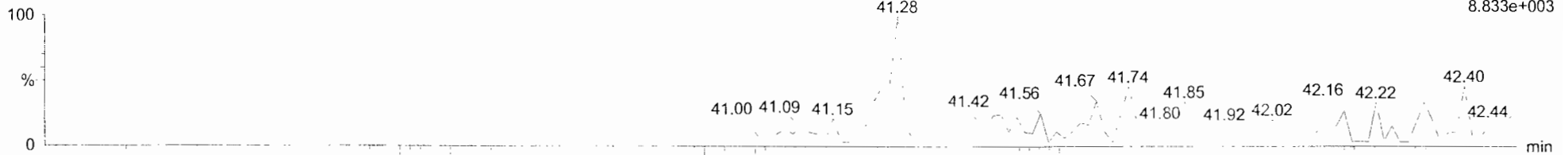
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Endosulfan Sulfate

191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

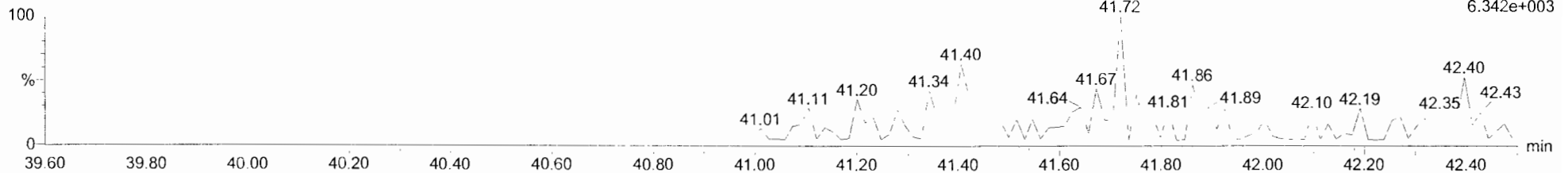
SN

F5:Voltage SIR,EI+
262.8569
8.833e+003



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
264.8540
6.342e+003



13C9-Endosulfan Sulfate

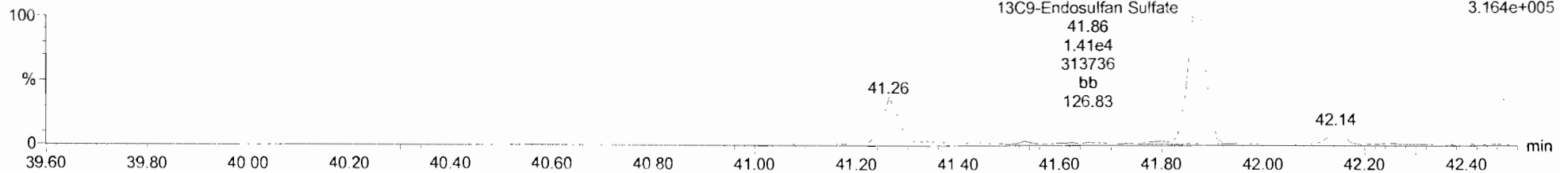
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
269.8804
5.028e+005



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
271.8775
3.164e+005



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

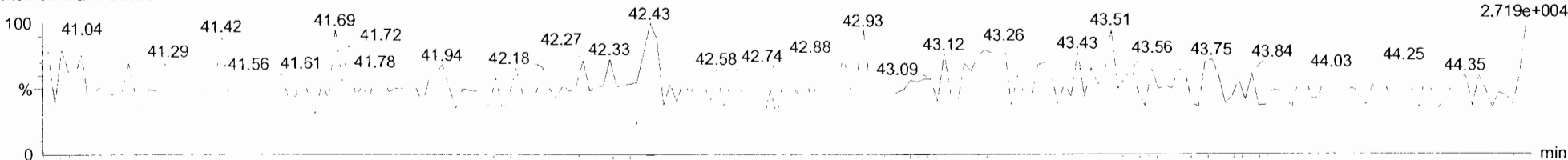
Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

4,4'-Methoxychlor

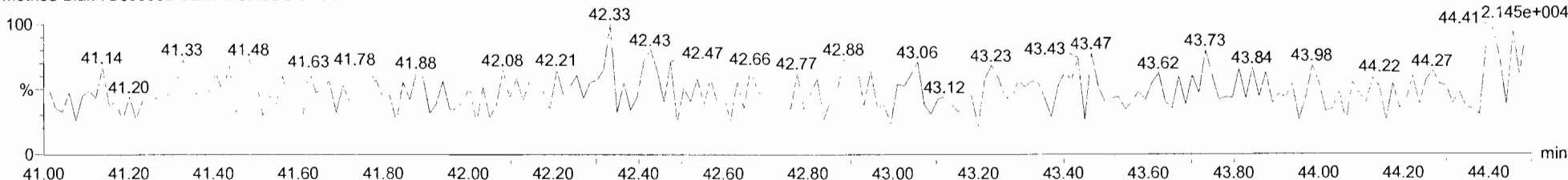
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
227.1072
2.719e+004



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

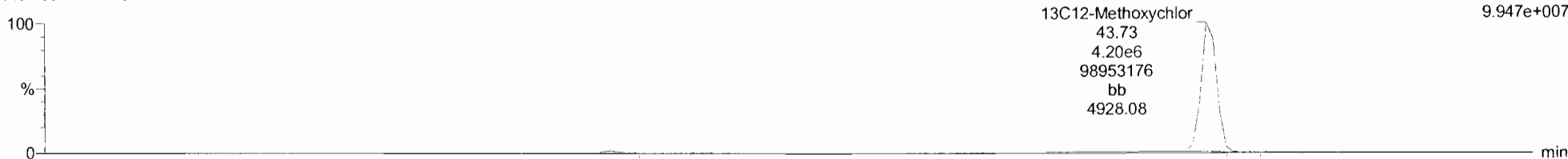
F5:Voltage SIR,EI+
228.1106
44.412.145e+004



13C12-Methoxychlor

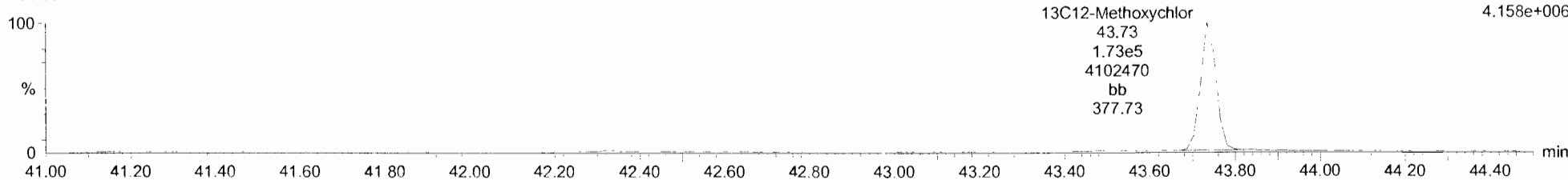
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
239.1475
9.947e+007



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
240.1508
4.158e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

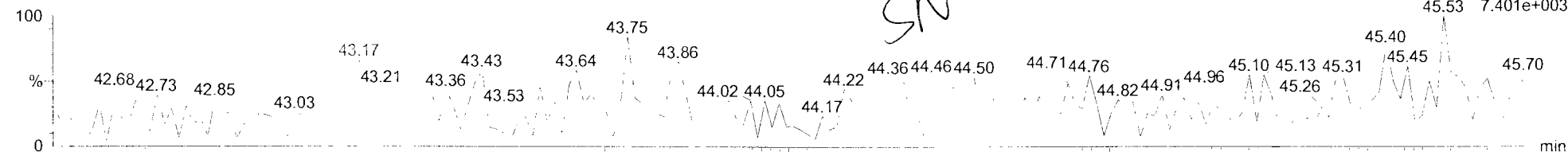
Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

Mirex

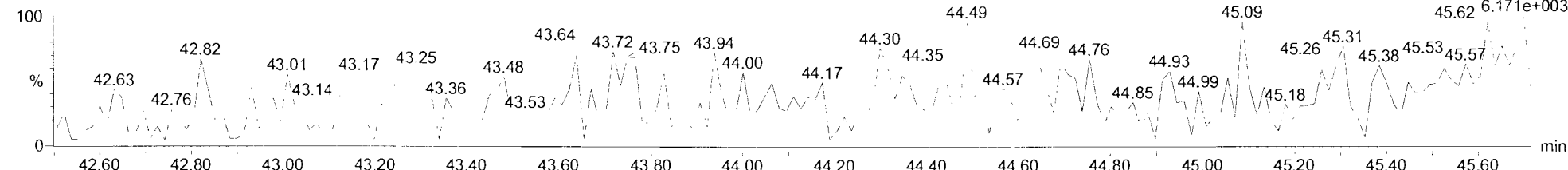
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
236.8413
45.53 7.401e+003



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

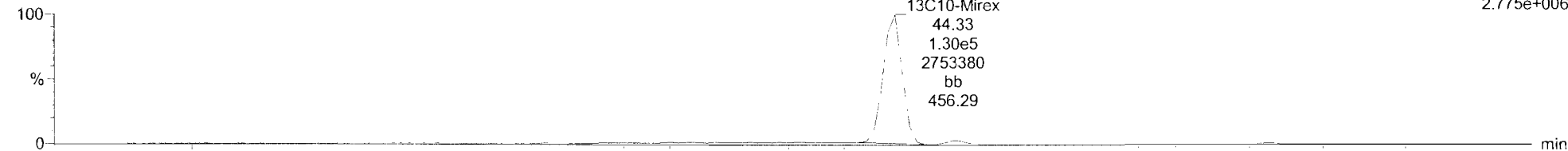
F5:Voltage SIR,EI+
238.8384
45.62 6.171e+003



13C10-Mirex

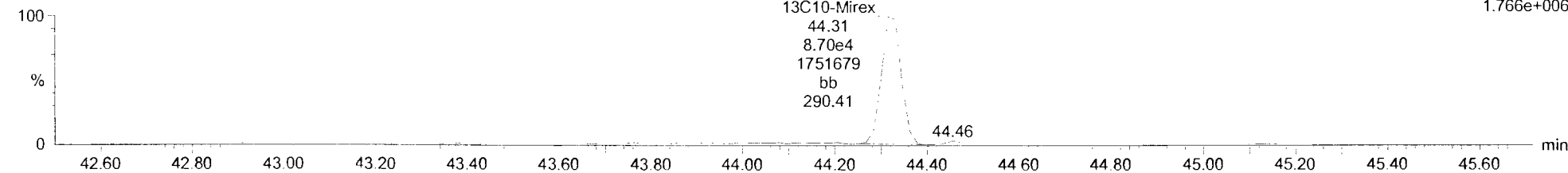
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
241.8581
2.775e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
243.8551
1.766e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

EA-EK

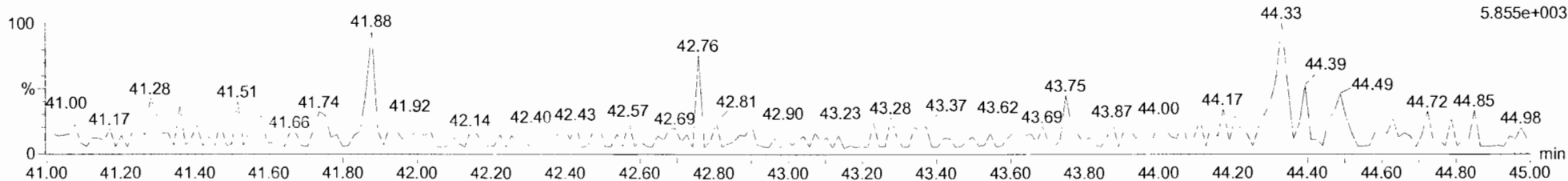
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
247.8521
7.613e+004



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

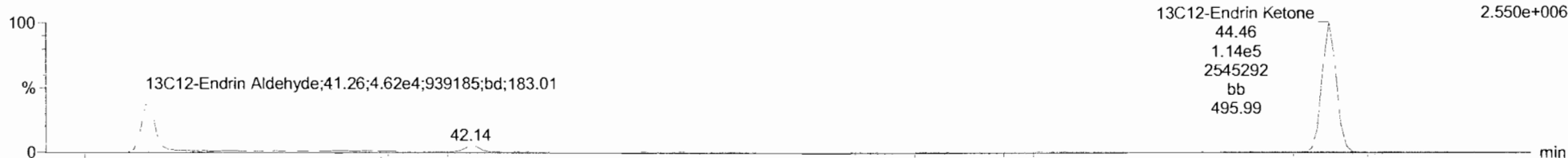
F5:Voltage SIR,EI+
249.8491
5.855e+003



EA-EK-isotopes

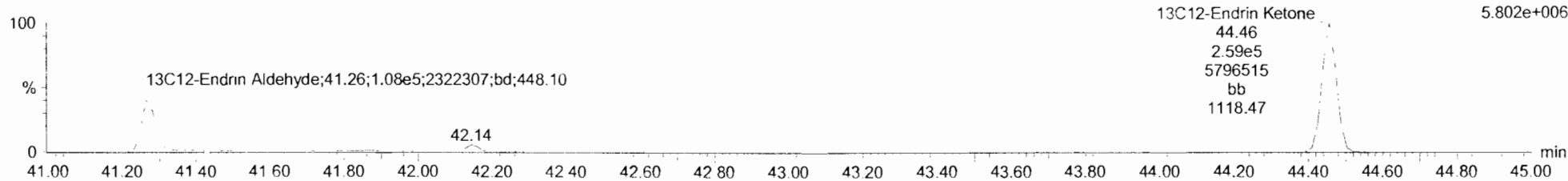
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
253.8722
2.550e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F5:Voltage SIR,EI+
255.8693
5.802e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

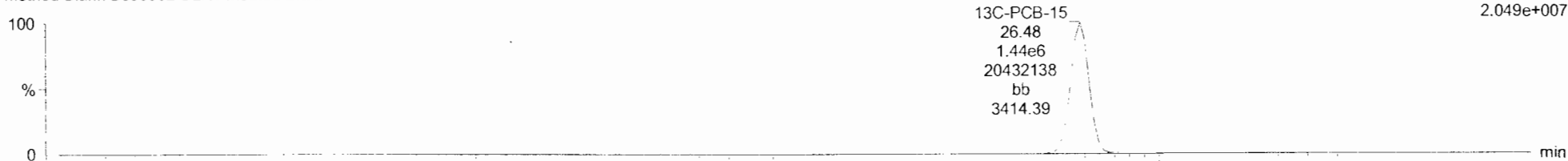
Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-15

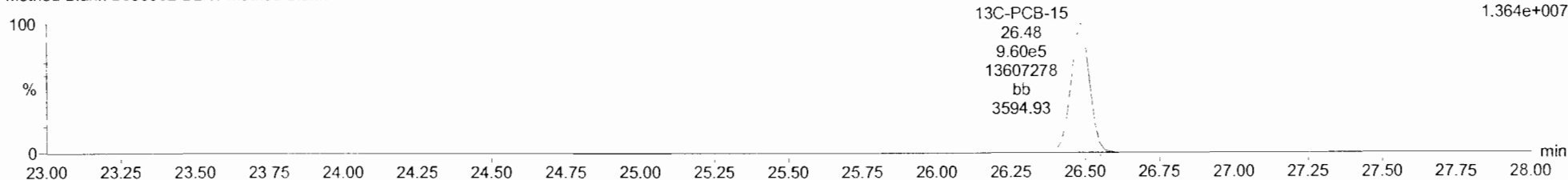
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F2:Voltage SIR,EI+
234.0406
2.049e+007



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

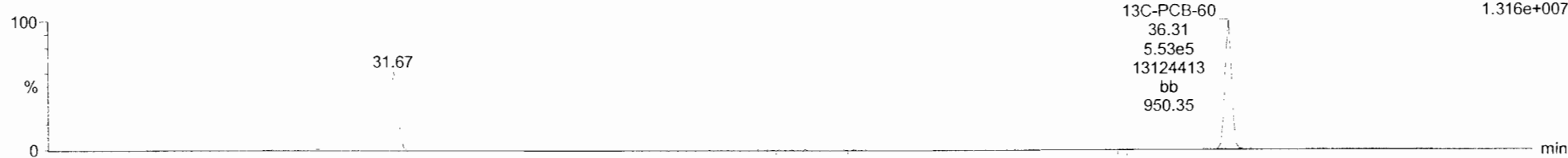
F2:Voltage SIR,EI+
236.0376
1.364e+007



13C-PCB-60

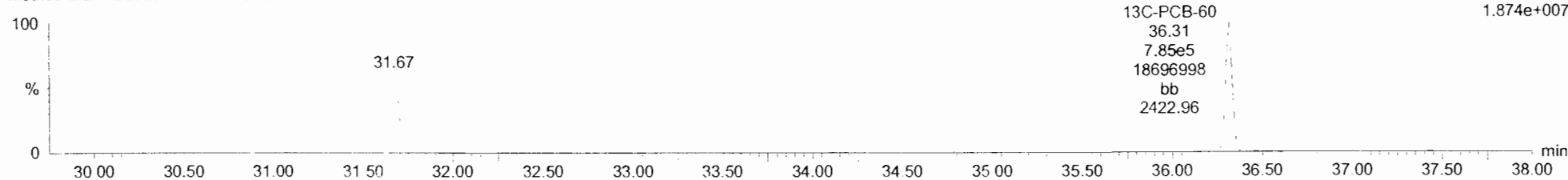
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F3:Voltage SIR,EI+
301.9626
1.316e+007



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F3:Voltage SIR,EI+
303.9597
1.874e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

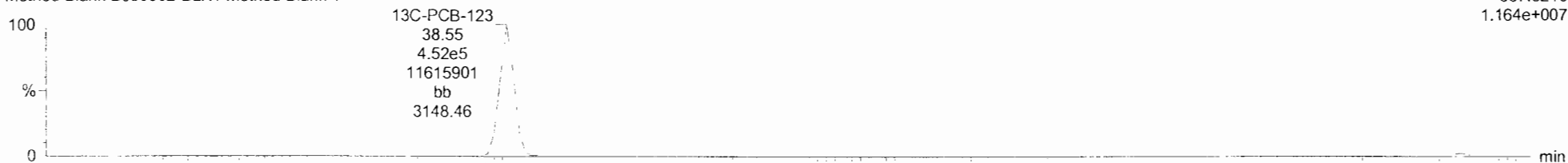
Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

13C-PCB-123

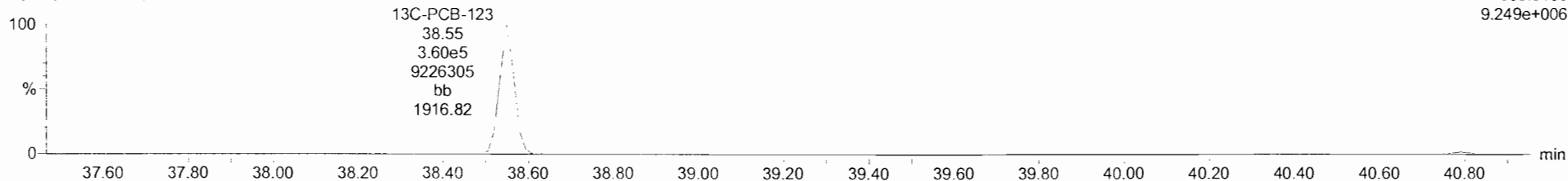
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F4:Voltage SIR,EI+
337.9210
1.164e+007



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

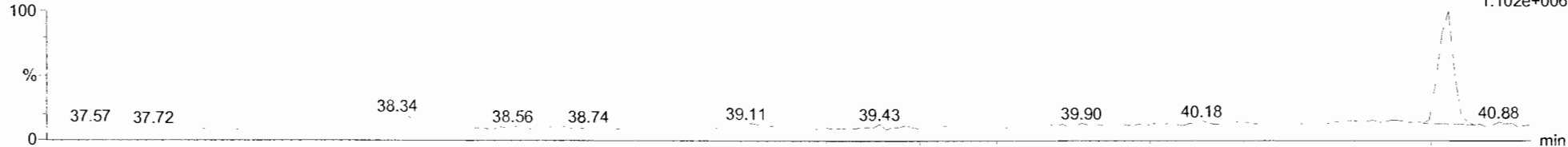
F4:Voltage SIR,EI+
339.9180
9.249e+006



13C-PARLAR 39

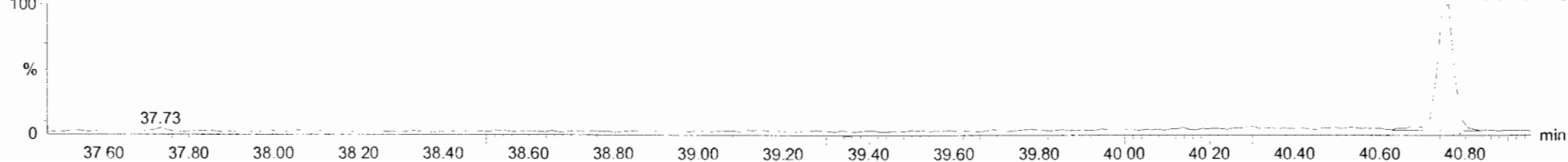
191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F4:Voltage SIR,EI+
251.9648
13C-PARLAR 39;40.76;3.98e4;964160;bb;34.72
1.102e+006



191023K2_7
Method Blank B9J0002-BLK1 Method Blank 1

F4:Voltage SIR,EI+
253.9619
13C-PARLAR 39;40.76;5.16e4;1106722;db;89.82
1.144e+006



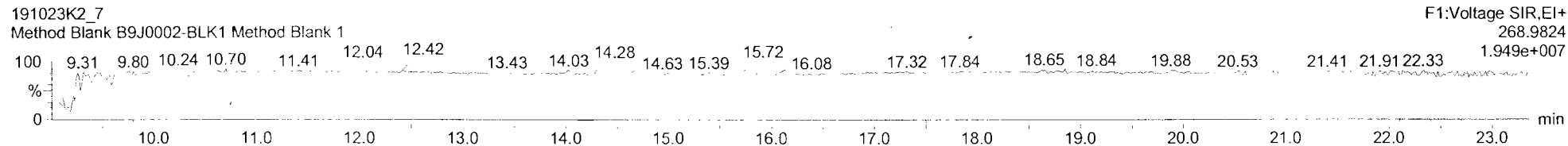
Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:24:40 Pacific Daylight Time

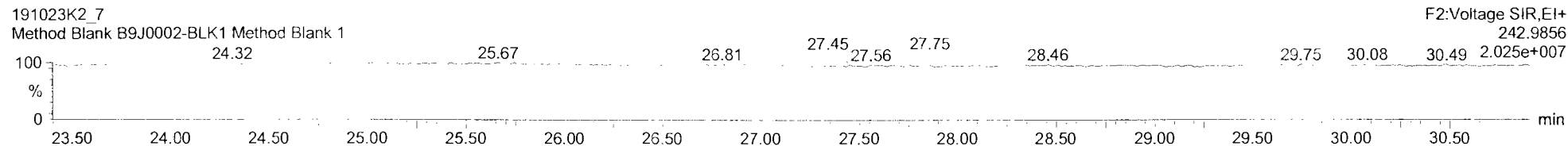
Printed: Thursday, October 24, 2019 08:24:47 Pacific Daylight Time

Name: 191023K2_7, Date: 23-Oct-2019, Time: 21:12:39, ID: B9J0002-BLK1 Method Blank 1, Description: Method Blank

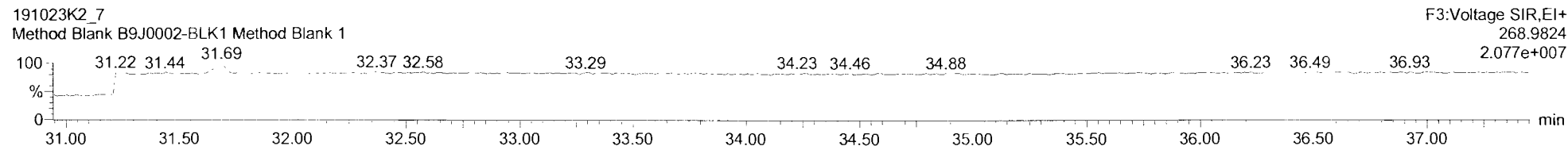
PFK1



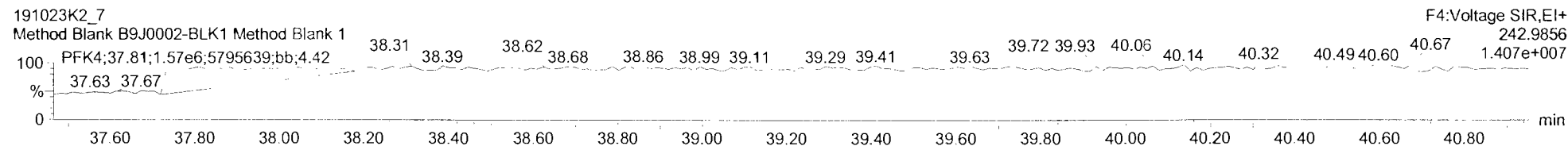
PFK2



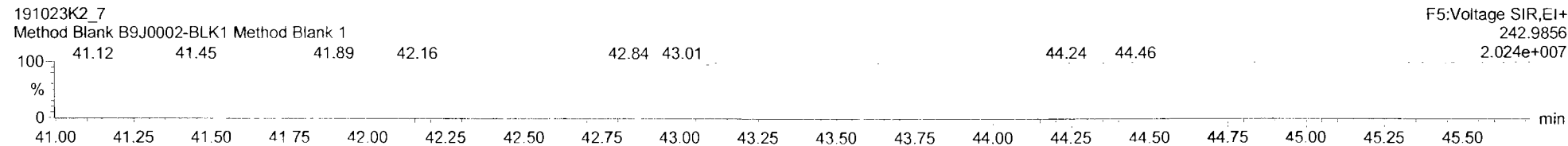
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191023K2\191023K2-5.qld

Last Altered: Friday, November 01, 2019 14:10:41 Pacific Daylight Time

Printed: Friday, November 01, 2019 14:12:57 Pacific Daylight Time

GPB 11/01/19

CT 11/01/19

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	4.83e5	5.12e5	1.18	NO	0.840	1.000	23.15	23.14	1.001	1.001	NO	1120		0.333	1120
2	3 Alpha-BHC	3.54e5	4.36e5	2.08	NO	0.751	1.000	23.72	23.69	1.001	1.002	NO	1080		3.82	1080
3	4 Lindane (gamma-BHC)	3.01e5	3.75e5	2.13	NO	0.717	1.000	27.03	27.03	1.001	1.001	NO	1120		5.50	1120
4	5 Beta-BHC	2.88e5	2.96e5	2.14	NO	0.870	1.000	29.03	29.04	1.001	1.000	NO	1120		4.73	1120
5	6 Delta-BHC	3.14e5	3.49e5	2.04	NO	0.817	1.000	30.72	30.71	1.001	1.001	NO	1100		4.00	1100
6	7 Heptachlor	2.34e5	2.39e5	1.04	NO	0.868	1.000	29.18	29.18	1.001	1.001	NO	1130		1.48	1130
7	9 Aldrin	2.91e5	2.75e5	1.62	NO	0.946	1.000	31.28	31.28	1.001	1.001	NO	1120		1.58	1120
8	10 Oxychlorane	7.72e4	7.81e4	1.63	NO	0.926	1.000	33.84	33.85	1.001	1.001	NO	1070		4.84	1070
9	11 cis-Heptachlor Epoxide	1.09e5	1.08e5	1.58	NO	0.937	1.000	34.63	34.63	1.001	1.001	NO	1080		3.45	1080
10	12 trans-Heptachlor Epox...	2.55e4	1.08e5	1.57	NO	0.238	1.000	35.13	35.12	1.015	1.015	NO	992		13.6	992
11	13 trans-Chlordane (gam...	9.20e4	8.63e4	1.64	NO	0.980	1.000	35.53	35.53	1.000	1.001	NO	1090		4.09	1090
12	14 trans-Nonachlor	9.29e4	9.40e4	1.62	NO	0.902	1.000	35.72	35.72	1.000	1.001	NO	1100		3.91	1100
13	15 cis-Chlordane	9.20e4	9.40e4	1.68	NO	0.899	1.000	36.21	36.21	1.014	1.014	NO	1090		3.93	1090
14	16 Endosulfan I (alpha)	5.59e4	5.18e4	1.60	NO	1.03	1.000	36.31	36.31	1.001	1.001	NO	1040		6.45	1040
15	18 2,4'-DDE	1.41e6	1.67e6	1.25	NO	0.758	1.000	36.18	36.18	1.000	1.000	NO	1110		4.38	1110
16	19 4,4'-DDE	1.06e6	1.23e6	1.25	NO	0.771	1.000	37.25	37.26	1.001	1.000	NO	1120		6.25	1120
17	20 Dieldrin	1.30e5	1.31e5	1.56	NO	0.927	1.000	37.75	37.76	1.001	1.000	NO	1080		4.04	1080
18	21 Endrin	7.38e4	7.55e4	1.53	NO	0.902	1.000	39.14	39.16	1.000	1.000	NO	1080		6.51	1080
19	22 cis-Nonachlor	7.66e4	7.70e4	1.58	NO	0.913	1.000	39.44	39.44	1.000	1.000	NO	1090		6.15	1090
20	23 Endosulfan II (beta)	2.28e4	2.04e4	1.46	NO	1.03	1.000	40.15	40.17	1.000	1.000	NO	1090		20.4	1090
21	24 2,4'-DDD	1.12e6	1.12e6	1.56	NO	0.890	1.000	38.37	38.39	1.000	1.000	NO	1120		8.70	1120
22	25 2,4'-DDT	5.96e5	5.79e5	1.58	NO	0.865	1.000	39.52	39.51	1.000	1.000	NO	1190		15.8	1190
23	26 4,4'-DDD	9.96e5	9.23e5	1.57	NO	0.971	1.000	39.65	39.65	1.000	1.000	NO	1110		9.00	1110
24	27 4,4'-DDT	4.79e5	4.55e5	1.56	NO	0.974	1.000	40.72	40.72	1.000	1.000	NO	1080		18.4	1080
25	28 Endosulfan Sulfate	3.12e4	3.35e4	1.52	NO	0.896	1.000	41.88	41.89	1.000	1.000	NO	1040		13.8	1040
26	29 4,4'-Methoxychlor	5.41e5	4.47e6	6.25	NO	1.10	1.000	43.76	43.76	1.000	1.000	NO	1100		3.68	1100
27	30 Mirex	2.05e5	2.20e5	1.42	NO	0.870	1.000	44.35	44.35	1.000	1.000	NO	1070		6.14	1070
28	31 Endrin Aldehyde	1.36e4	1.07e5	0.60	NO	0.962	1.000	41.30	41.29	1.000	1.000	NO	1330		42.8	1330
29	32 Endrin Ketone	3.63e4	3.53e5	0.65	NO	0.867	1.000	44.47	44.49	1.000	1.000	NO	1190		17.0	1190
30	34 13C6-Hexachlorobenz...	5.12e5	2.39e6	1.29	NO	0.710	1.000	23.13	23.13	0.873	0.873	NO	301	30.1	0.152	

Dataset: U:\VG11.PRO\Results\191023K2\191023K2-5.qld

Last Altered: Friday, November 01, 2019 14:10:41 Pacific Daylight Time
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Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

	# Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
31	35 13C6-Alpha-BHC	4.36e5	2.39e6	0.79	NO	0.255	1.000	23.67	23.67	0.893	0.893	NO	715	71.5	4.66	
32	36 13C6-Lindane (gamma)	3.75e5	2.39e6	0.82	NO	0.216	1.000	27.00	27.00	1.019	1.019	NO	727	72.7	5.53	
33	37 13C6-Beta-BHC	2.96e5	2.39e6	0.77	NO	0.162	1.000	29.05	29.02	1.095	1.096	NO	764	76.4	7.34	
34	38 13C6-Delta-BHC	3.49e5	2.39e6	0.77	NO	0.185	1.000	30.72	30.69	1.158	1.159	NO	789	78.9	6.45	
35	39 13C10-Heptachlor	2.39e5	2.39e6	1.28	NO	0.178	1.000	29.13	29.15	1.100	1.099	NO	562	56.2	0.942	
36	40 13C12-Aldrin	2.75e5	2.39e6	1.62	NO	0.186	1.000	31.28	31.25	1.179	1.180	NO	618	61.8	2.23	
37	41 13C10-Oxychlorane	7.81e4	2.39e6	1.60	NO	0.0499	1.000	33.86	33.82	1.276	1.278	NO	655	65.5	8.31	
38	42 13C10-cis-Heptachlor ...	1.08e5	2.39e6	1.65	NO	0.0657	1.000	34.65	34.61	1.306	1.308	NO	684	68.4	6.30	
39	43 13C10-trans-Chlordan...	8.63e4	2.39e6	1.63	NO	0.0525	1.000	35.56	35.51	1.340	1.342	NO	687	68.7	7.89	
40	44 13C10-trans-Nonachlor	9.40e4	2.39e6	1.59	NO	0.0587	1.000	35.75	35.70	1.347	1.349	NO	669	66.9	7.06	
41	45 13C9-Endosulfan I (al...	5.18e4	2.39e6	1.62	NO	0.0343	1.000	36.35	36.28	1.369	1.372	NO	632	63.2	12.1	
42	46 13C12-2,4'-DDE	1.67e6	2.39e6	1.58	NO	1.01	1.000	36.19	36.17	0.996	0.996	NO	692	69.2	3.18	
43	47 13C12-4,4'-DDE	1.23e6	2.39e6	1.60	NO	0.760	1.000	37.25	37.23	1.025	1.025	NO	676	67.6	4.23	
44	48 13C12-Dieldrin	1.31e5	2.39e6	1.63	NO	0.0797	1.000	37.75	37.73	1.039	1.039	NO	684	68.4	5.33	
45	49 13C12-Endrin	7.55e4	2.39e6	1.63	NO	0.0599	1.000	39.15	39.14	1.078	1.078	NO	527	52.7	7.09	
46	50 13C10-cis-Nonachlor	7.70e4	2.39e6	1.68	NO	0.0486	1.000	39.43	39.42	1.085	1.085	NO	662	66.2	8.74	
47	51 13C9-Endosulfan II	2.04e4	2.39e6	1.54	NO	0.0145	1.000	40.17	40.15	1.105	1.106	NO	587	58.7	29.2	
48	52 13C12-2,4'-DDD	1.12e6	2.39e6	1.57	NO	0.653	1.000	38.45	38.37	1.448	1.451	NO	718	71.8	3.34	
49	53 13C12-2,4'-DDT	5.79e5	2.39e6	1.59	NO	0.443	1.000	39.56	39.50	1.491	1.493	NO	546	54.6	4.92	
50	54 13C12-4,4'-DDD	9.23e5	2.39e6	1.60	NO	0.550	1.000	39.69	39.63	1.496	1.498	NO	701	70.1	3.97	
51	55 13C12-4,4'-DDT	4.55e5	2.39e6	1.61	NO	0.354	1.000	40.76	40.70	1.536	1.538	NO	537	53.7	6.16	
52	56 13C9-Endosulfan Sulf...	3.35e4	2.39e6	1.64	NO	0.0239	1.000	41.87	41.88	1.153	1.153	NO	586	58.6	24.9	
53	57 13C12-Methoxychlor	4.47e6	2.39e6	24.84	NO	0.362	1.000	43.73	43.75	1.204	1.204	NO	5170	51.7	7.30	
54	58 13C10-Mirex	2.20e5	2.39e6	1.63	NO	0.184	1.000	44.33	44.33	1.220	1.220	NO	502	50.2	4.27	
55	59 13C12-Endrin Aldehyde	1.07e5	2.39e6	0.45	NO	0.0307	1.000	41.27	41.28	1.136	1.136	NO	1450	14.5	21.1	
56	60 13C12-Endrin Ketone	3.53e5	2.39e6	0.46	NO	0.0240	1.000	44.45	44.47	1.224	1.224	NO	6140	61.4	27.0	
57	62 13C-PCB-15	2.39e6	2.39e6	1.50	NO	1.00	1.000	26.42	26.50	1.000	1.000	NO	1000	100	0.733	

Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

Hexachlorobenzene

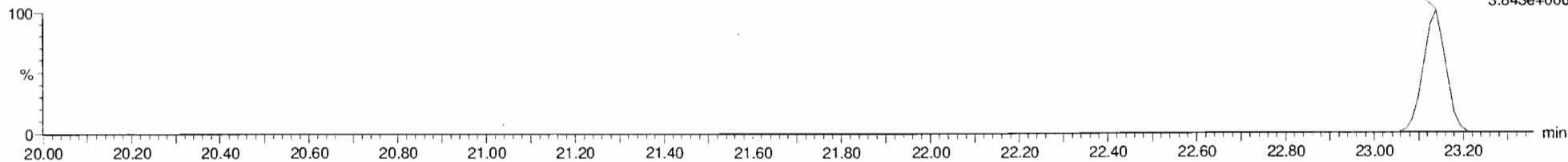
191023K2_5
OPR B9J0002-BS1 OPR 1

F1:Voltage SIR,EI+
Hexachlorobenzene;23.14;2.62e5;4541845;bb;9900.43
283.8102
4.548e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

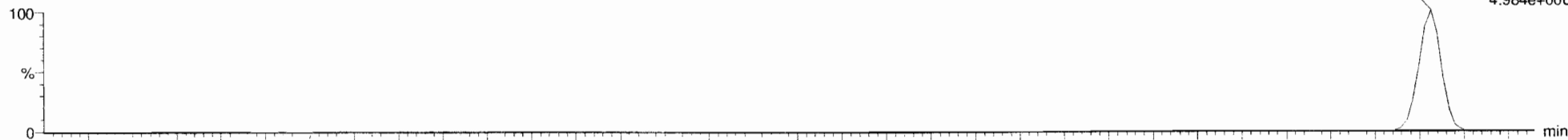
F1:Voltage SIR,EI+
Hexachlorobenzene;23.14;2.21e5;3838276;bb;7227.01
285.8072
3.843e+006



13C6-Hexachlorobenzene

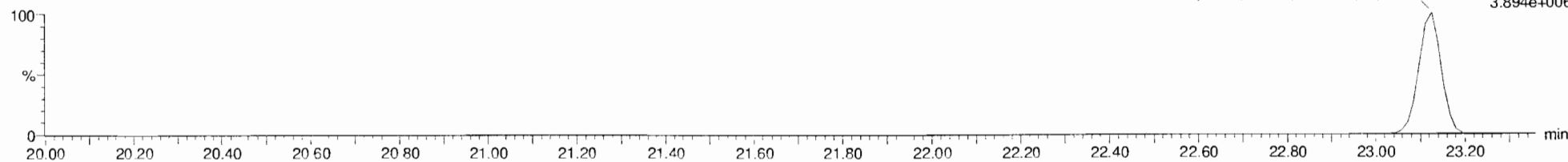
191023K2_5
OPR B9J0002-BS1 OPR 1

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.13;2.88e5;4978481;bb;8554.55
289.8303
4.984e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.13;2.24e5;3888157;bb;4438.41
291.8273
3.894e+006



Dataset: Untitled

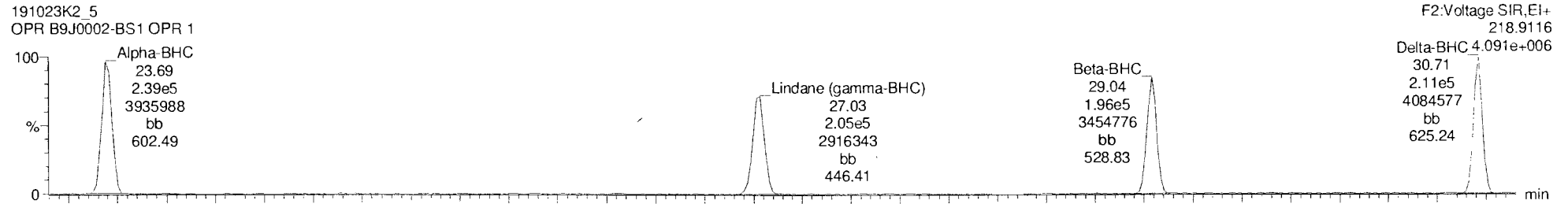
Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

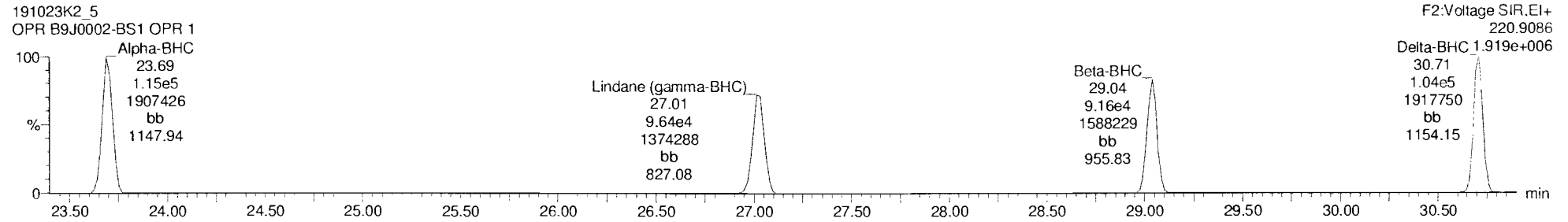
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BHC Totals

191023K2_5
OPR B9J0002-BS1 OPR 1

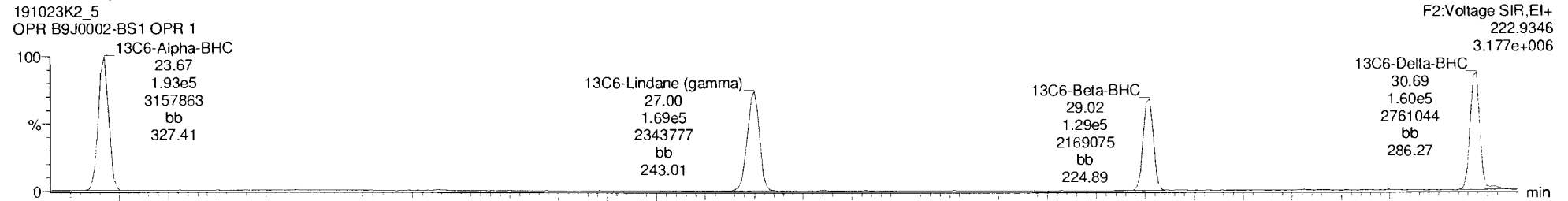


191023K2_5
OPR B9J0002-BS1 OPR 1

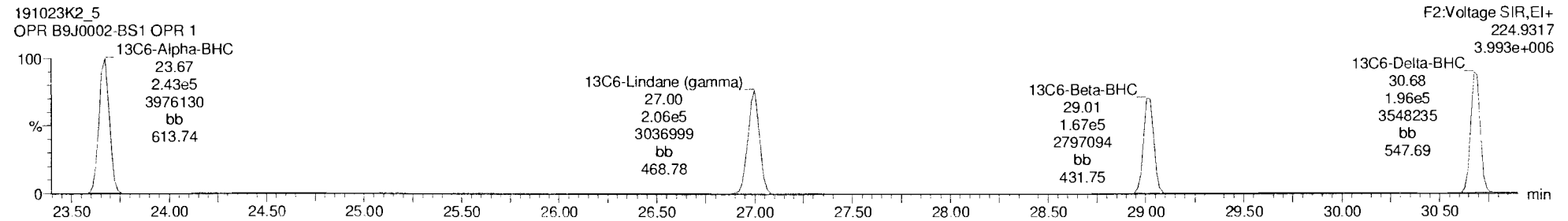


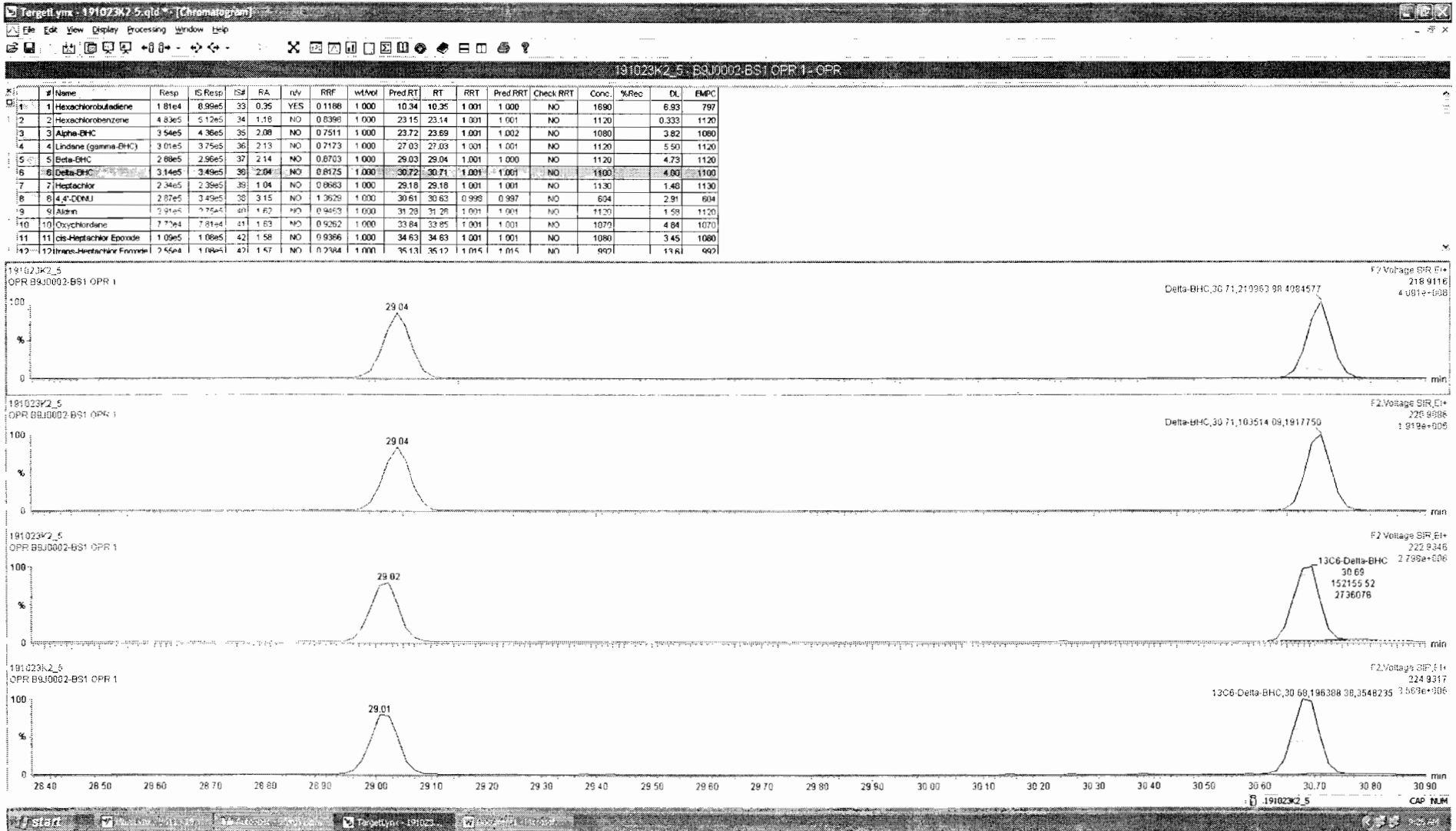
BHC-isotopes

191023K2_5
OPR B9J0002-BS1 OPR 1



191023K2_5
OPR B9J0002-BS1 OPR 1





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

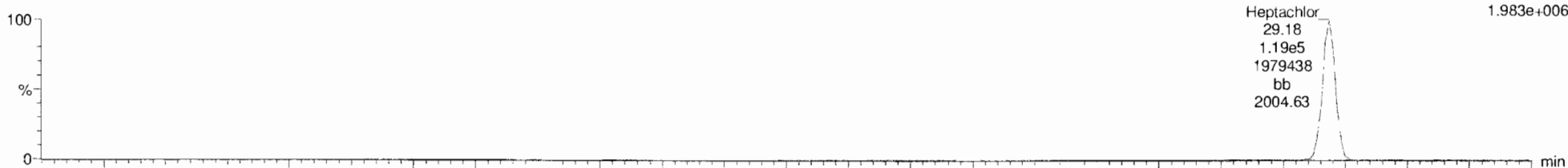
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Heptachlor

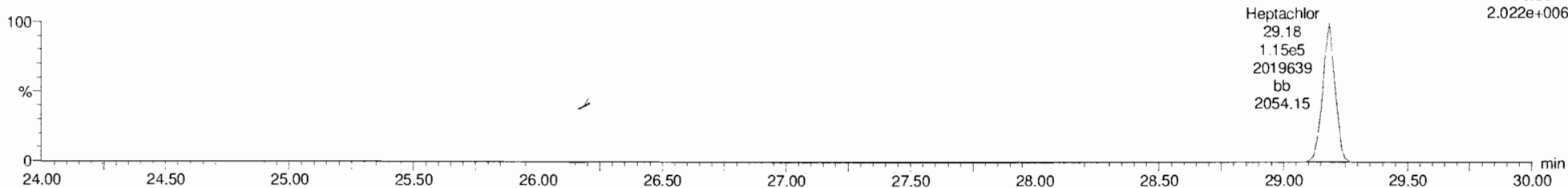
191023K2_5
OPR B9J0002-BS1 OPR 1

F2:Voltage SIR,EI+
271.8102
1.983e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

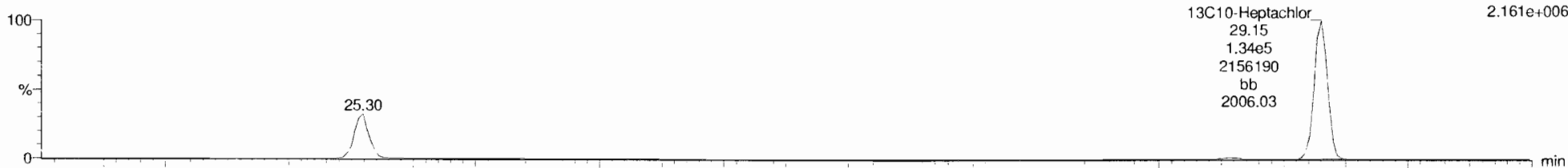
F2:Voltage SIR,EI+
273.8072
2.022e+006



13C10-Heptachlor

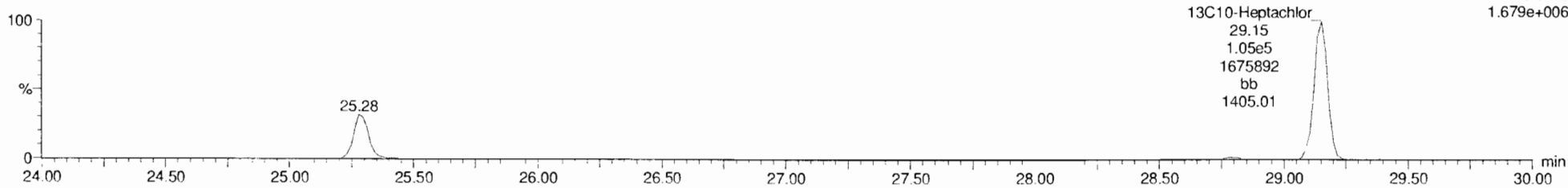
191023K2_5
OPR B9J0002-BS1 OPR 1

F2:Voltage SIR,EI+
276.8269
2.161e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F2:Voltage SIR,EI+
278.8240
1.679e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

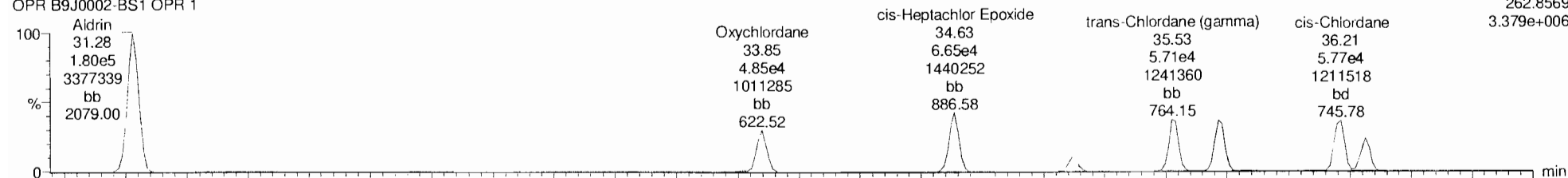
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

Aldrin-EI

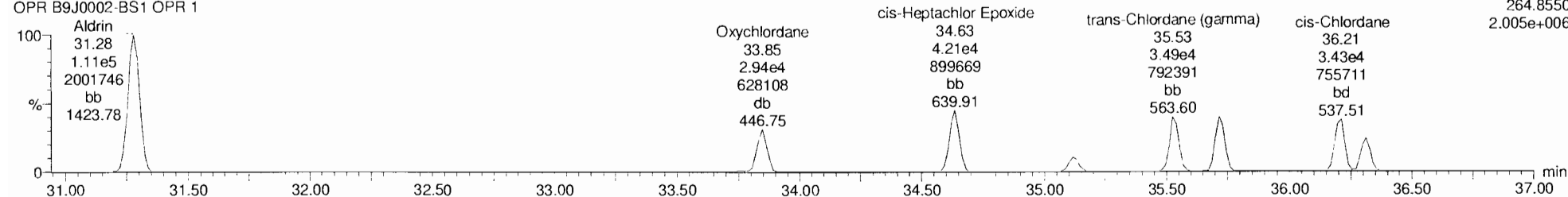
191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
262.8569
3.379e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

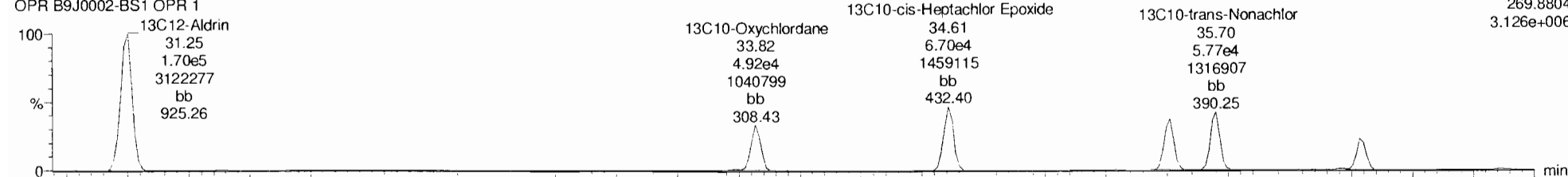
F3:Voltage SIR,EI+
264.8550
2.005e+006



Aldrin-EI-isotopes

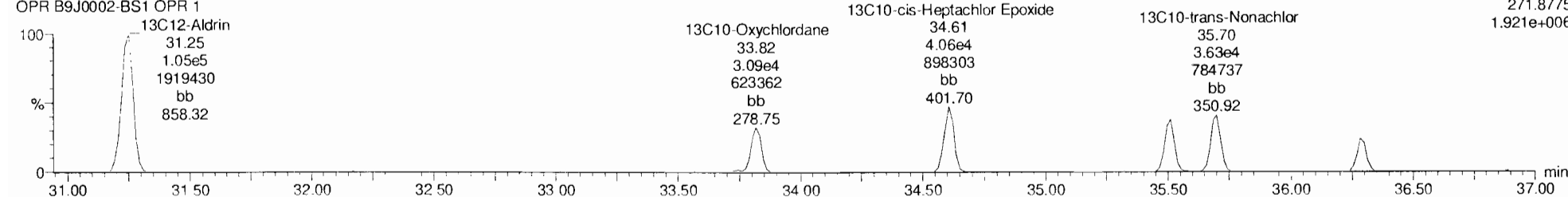
191023K2_5
OPR B9J0002-BS1 OPR 1

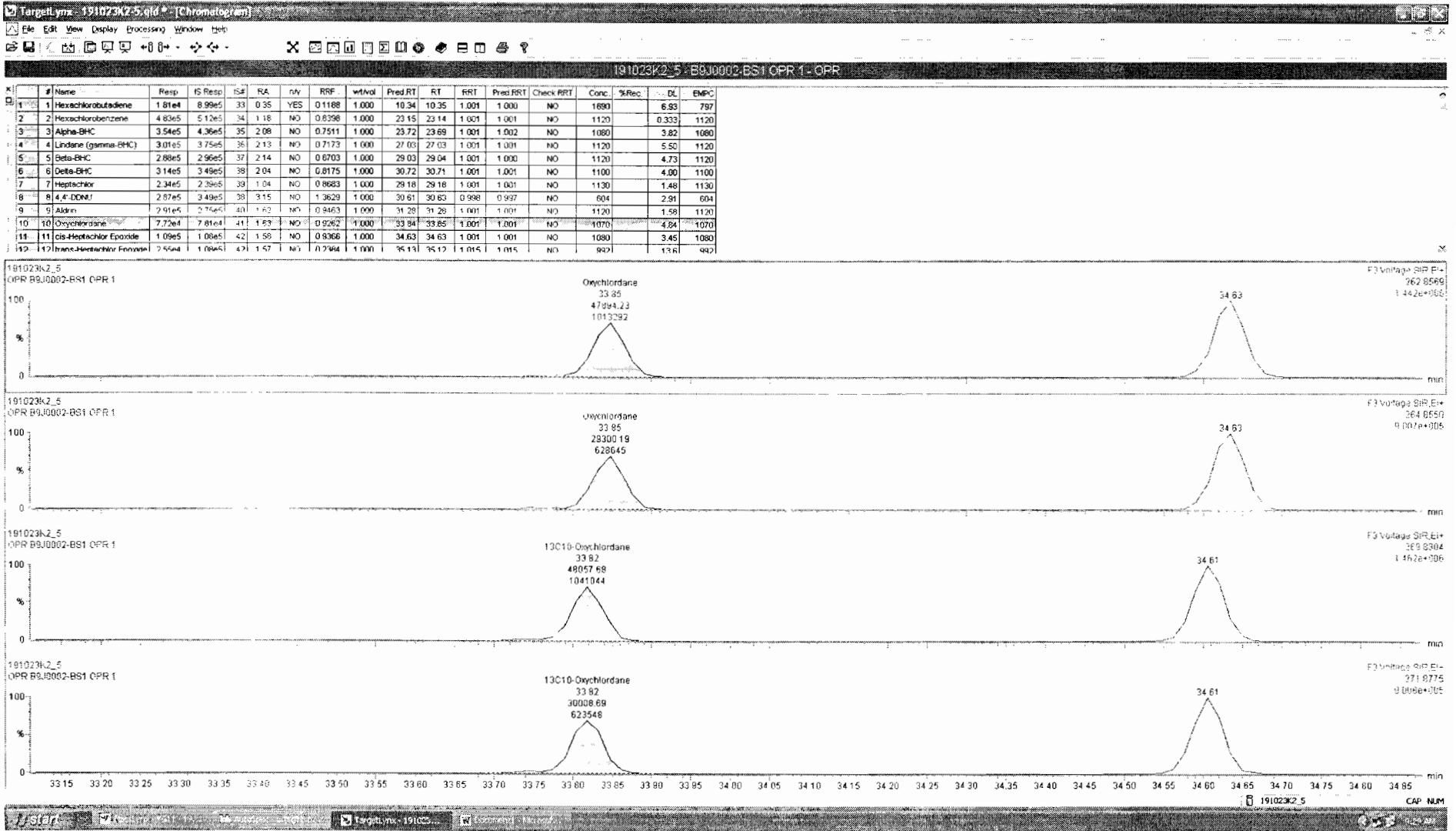
F3:Voltage SIR,EI+
269.8804
3.126e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
271.8775
1.921e+006





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

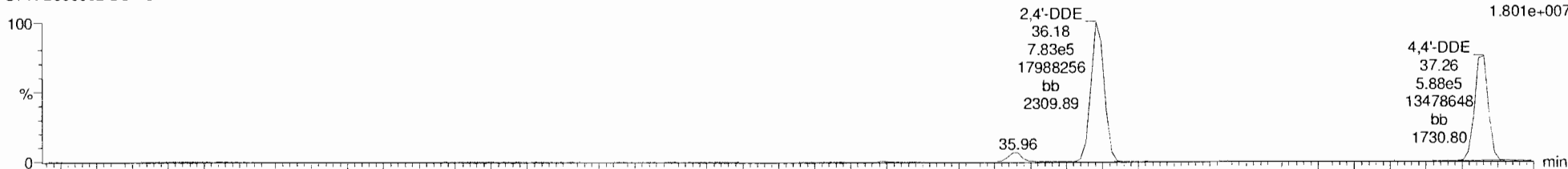
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

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DDMU-DDE

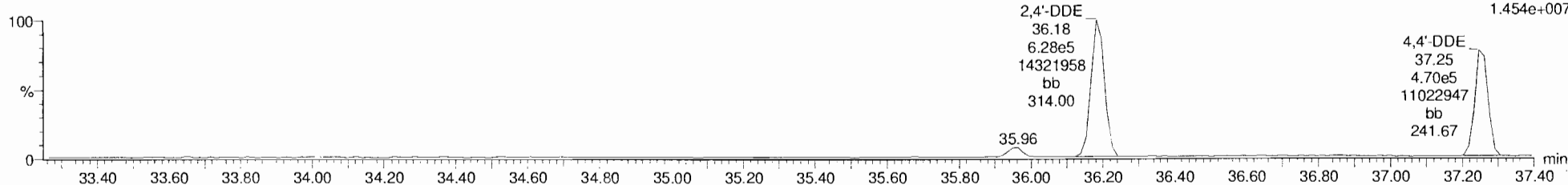
191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
246.0003
1.801e+007



191023K2_5
OPR B9J0002-BS1 OPR 1

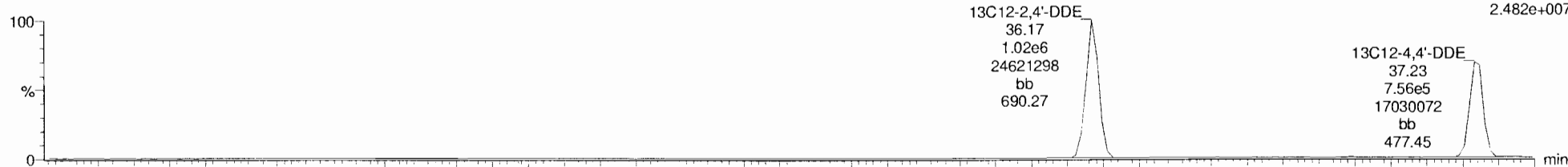
F3:Voltage SIR,EI+
247.9974
1.454e+007



DDE-isotopes

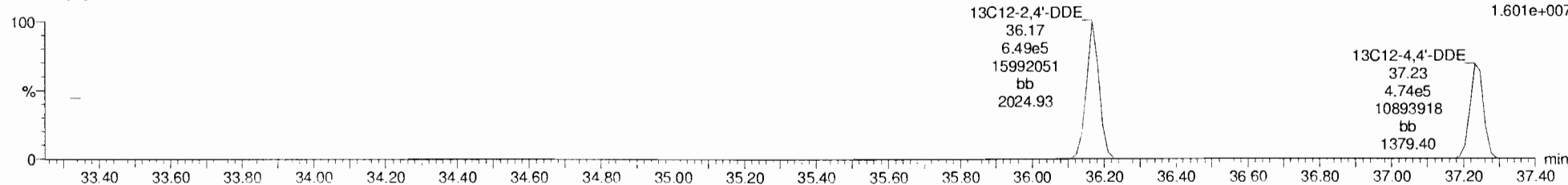
191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
258.0406
2.482e+007



191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
260.0376
1.601e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

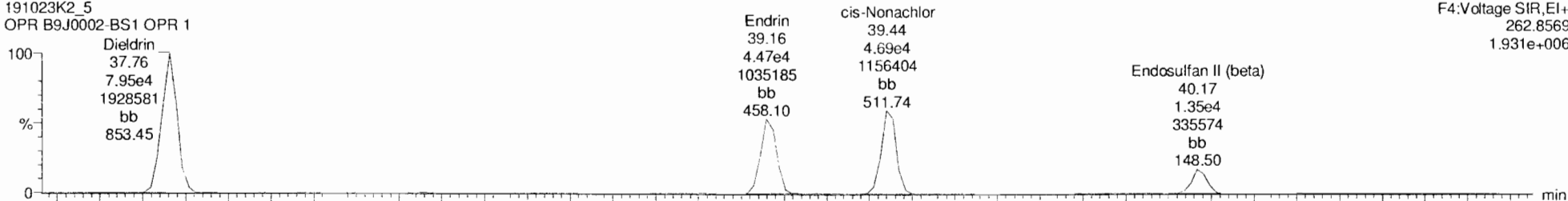
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Dieldrin-EII

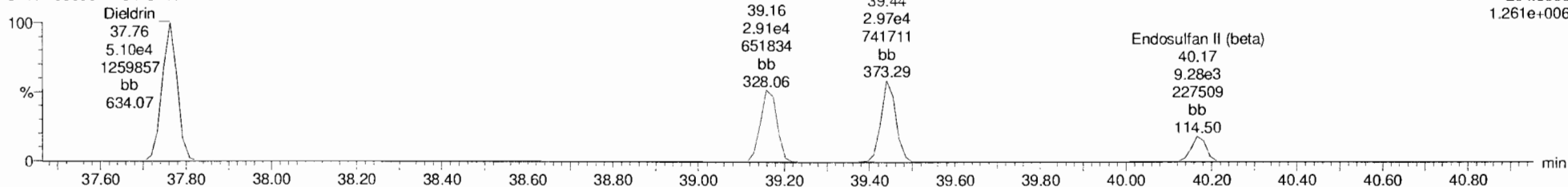
191023K2_5
OPR B9J0002-BS1 OPR 1

F4:Voltage SIR,EI+
262.8569
1.931e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

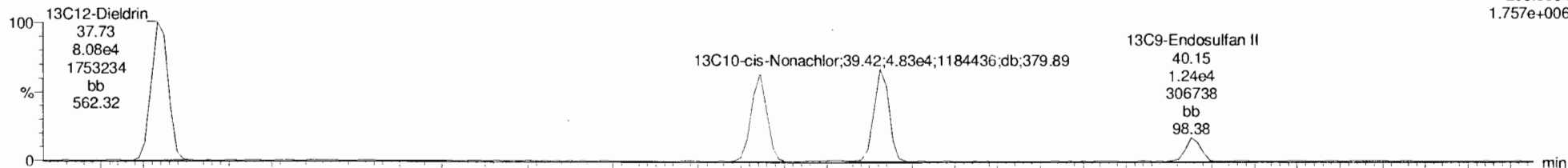
F4:Voltage SIR,EI+
264.8550
1.261e+006



Dieldrin-EII-isotopes

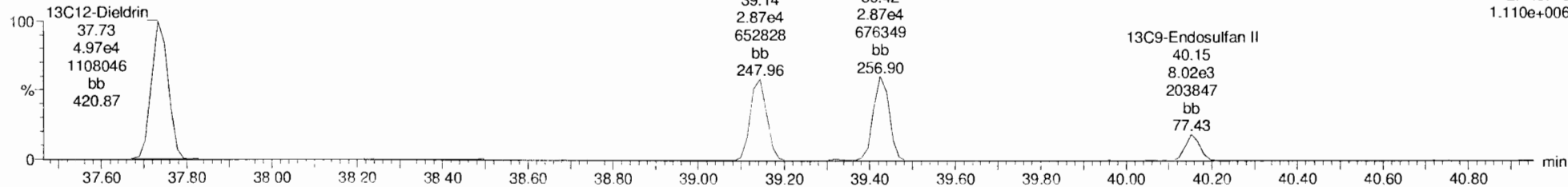
191023K2_5
OPR B9J0002-BS1 OPR 1

F4:Voltage SIR,EI+
269.8804
1.757e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F4:Voltage SIR,EI+
271.8775
1.110e+006



Dataset: Untitled

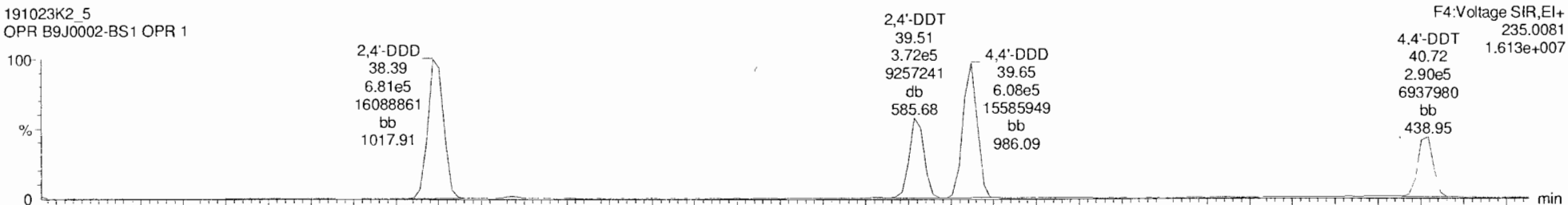
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Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

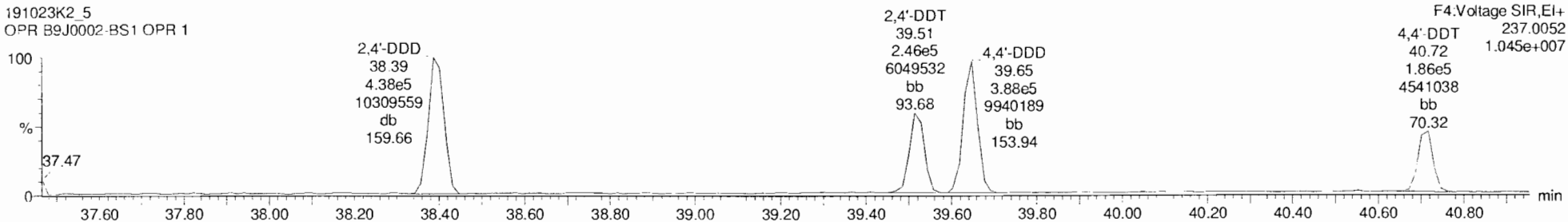
Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

DDD-DDT

191023K2_5
OPR B9J0002-BS1 OPR 1

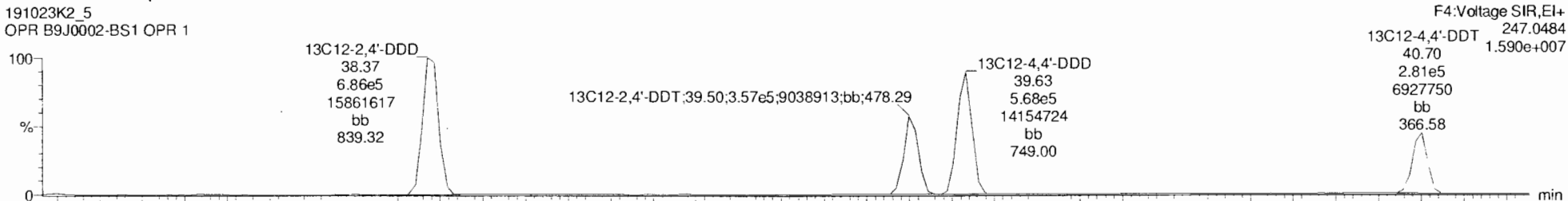


191023K2_5
OPR B9J0002-BS1 OPR 1

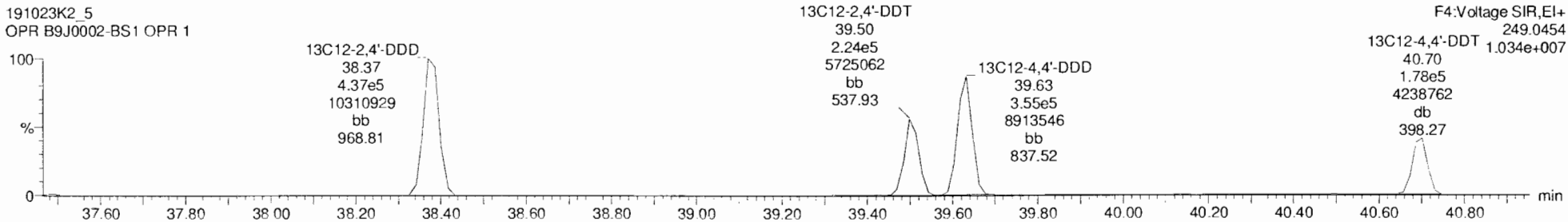


DDD-DDT-isotopes

191023K2_5
OPR B9J0002-BS1 OPR 1



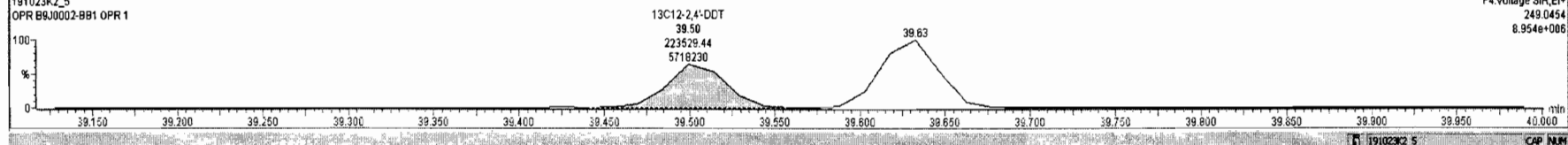
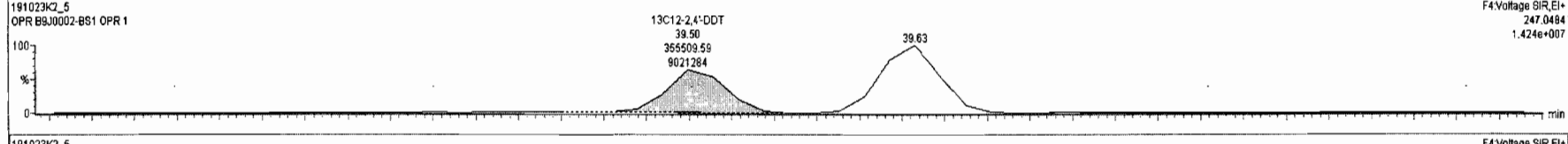
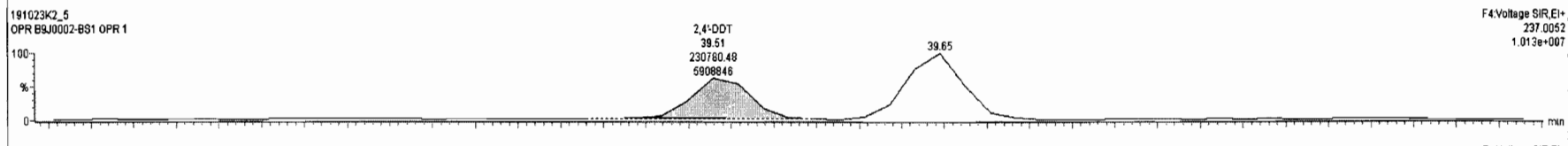
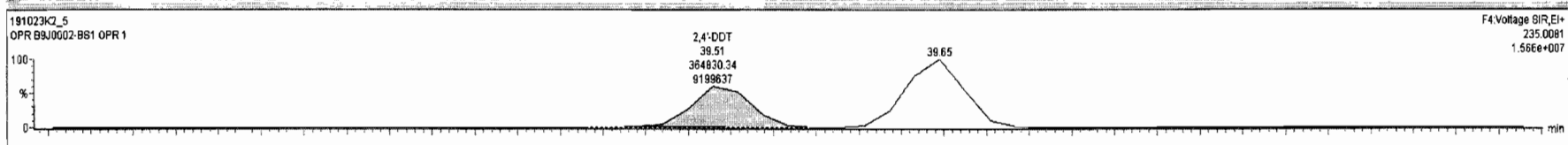
191023K2_5
OPR B9J0002-BS1 OPR 1

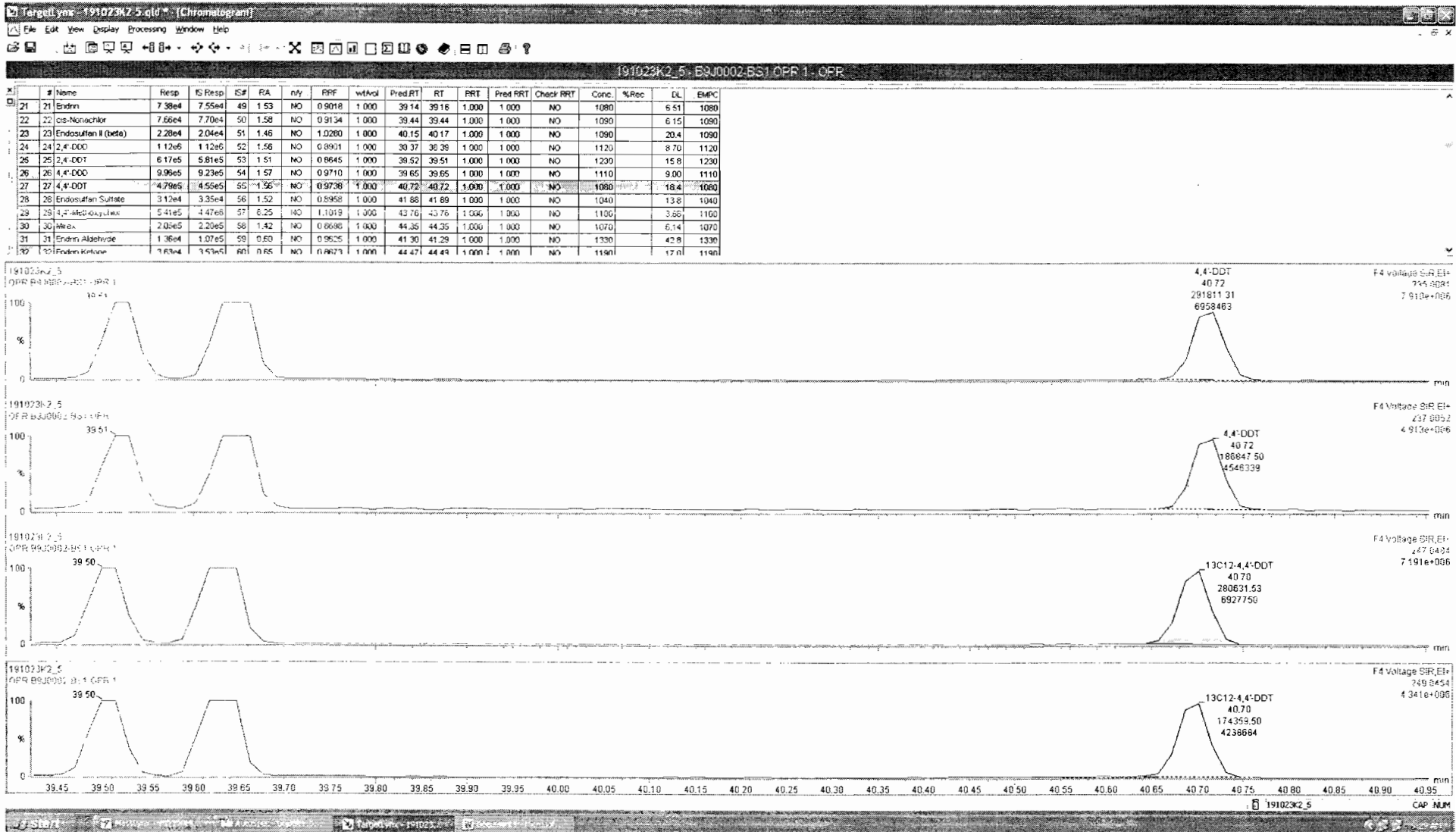


191023K2_5 - B9J0002-BS1 OPR 1 - OPR

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/Avol	Pred.RT	RT	PRT	Pred.PRT	Check.RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE	1.41e6	1.67e6	46	1.25	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	1110		4.38	1110
19	4,4'-DDE	1.05e6	1.23e6	47	1.25	NO	0.7713	1.000	37.25	37.26	1.001	1.000	NO	1120		6.25	1120
20	Dieldrin	1.30e5	1.31e5	48	1.56	NO	0.9273	1.000	37.75	37.76	1.001	1.000	NO	1080		4.04	1080
21	Endrin	7.38e4	7.55e4	49	1.53	NO	0.9018	1.000	39.14	39.16	1.000	1.000	NO	1060		6.51	1080
22	cis-Nonachlor	7.66e4	7.70e4	50	1.58	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	1090		6.15	1090
23	Endosulfan II (beta)	2.26e4	2.04e4	51	1.46	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	1090		20.4	1090
24	2,4'-DDD	1.12e6	1.12e6	52	1.56	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	1120		8.70	1120
25	2,4'-DDT	5.39e5	5.79e5	53	1.58	NO	0.8845	1.000	39.52	39.51	1.000	1.000	NO	1190		15.8	1190
26	4,4'-DDD	9.96e5	9.23e5	54	1.57	NO	0.9710	1.000	39.65	39.65	1.000	1.000	NO	1110		9.00	1110
27	4,4'-DDT	4.79e5	4.55e5	55	1.58	NO	0.9738	1.000	40.72	40.72	1.000	1.000	NO	1080		18.4	1080

Name	RT	m1 Resp	m2 Resp	RA	n/y	EMPC	Conc.
1							





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

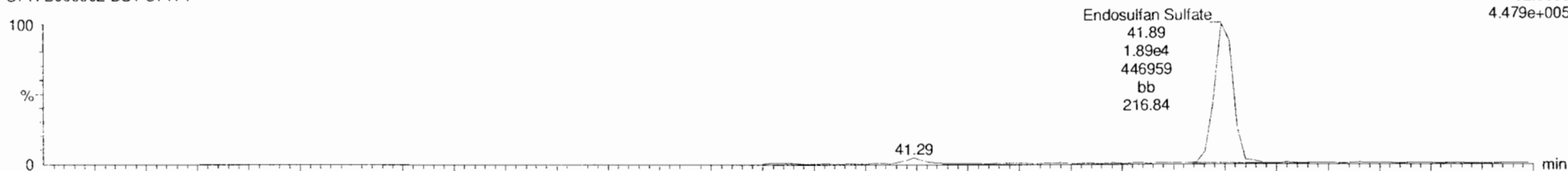
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

Endosulfan Sulfate

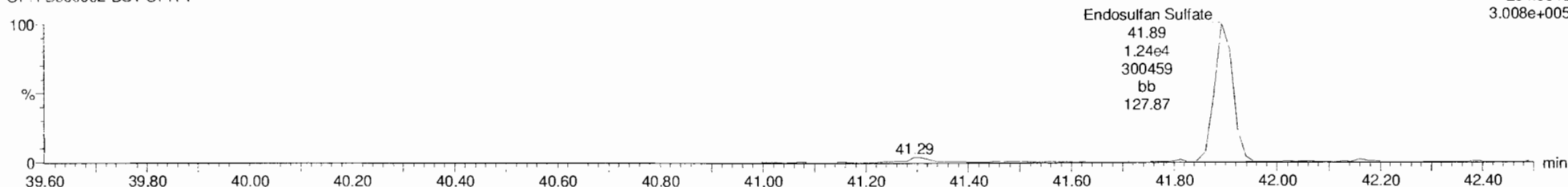
191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
262.8569
4.479e+005



191023K2_5
OPR B9J0002-BS1 OPR 1

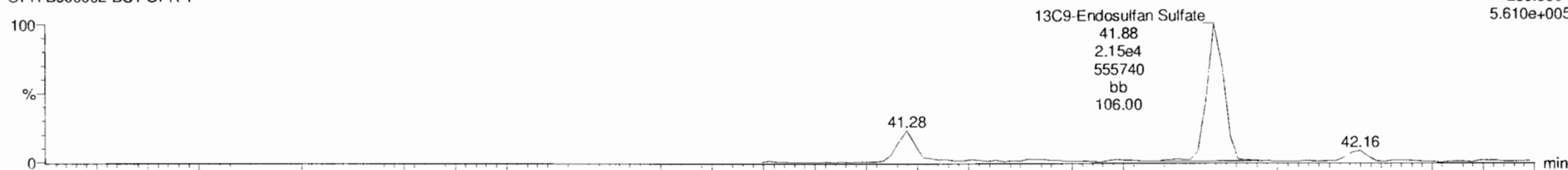
F5:Voltage SIR,EI+
264.8540
3.008e+005



13C9-Endosulfan Sulfate

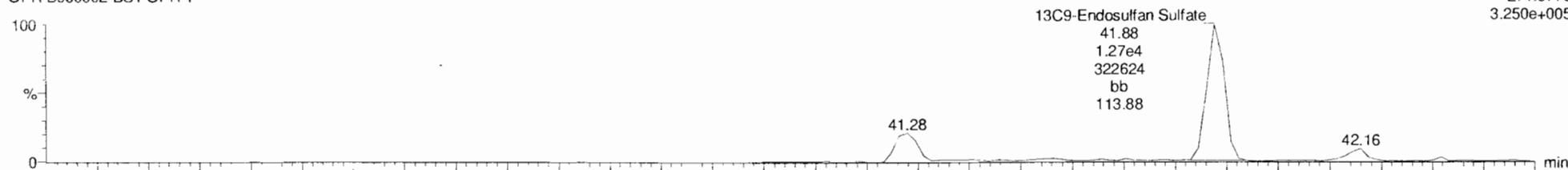
191023K2_5
OPR B9J0002-BS1 OPR 1

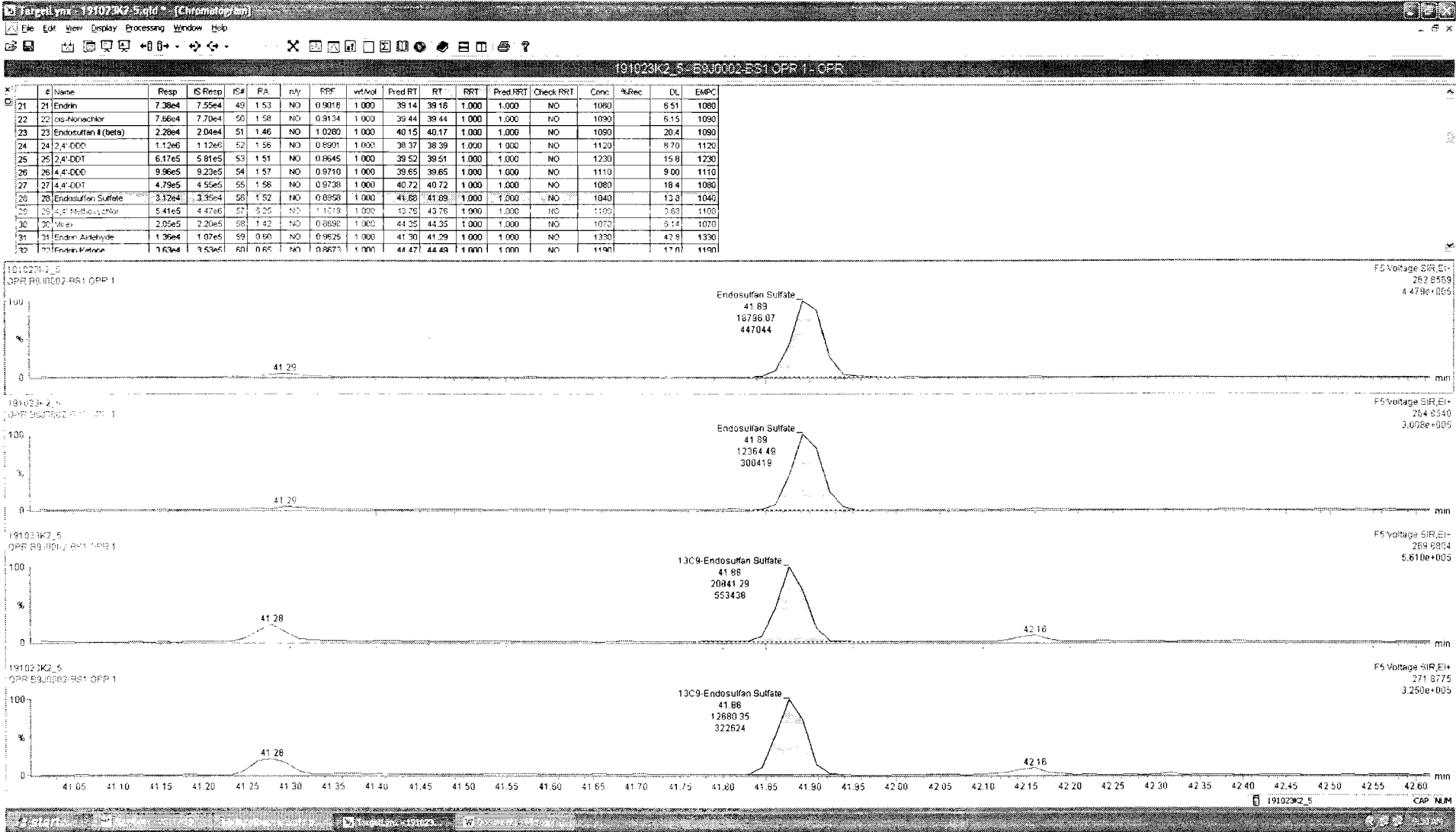
F5:Voltage SIR,EI+
269.8804
5.610e+005



191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
271.8775
3.250e+005





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

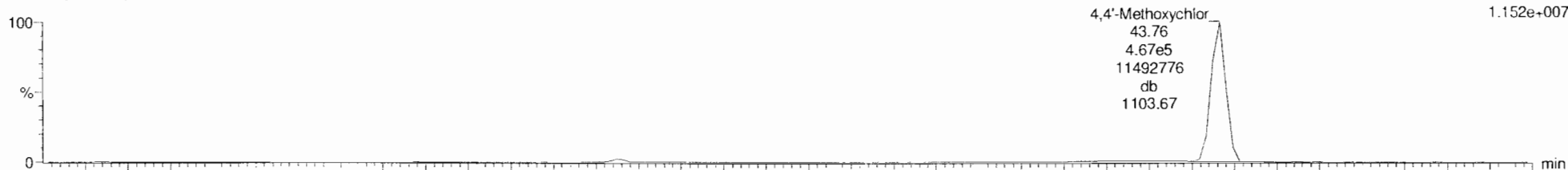
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

4,4'-Methoxychlor

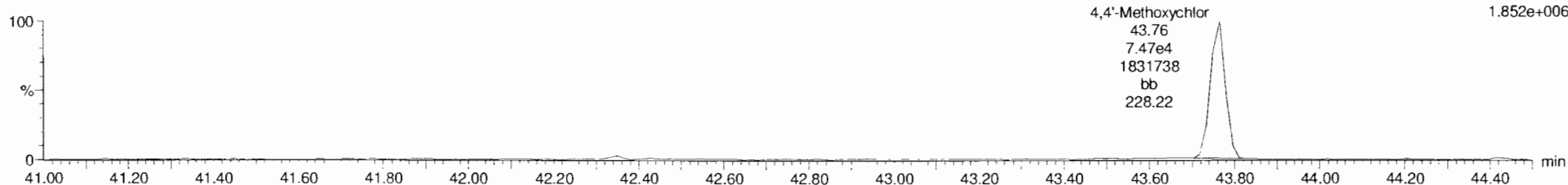
191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
227.1072
1.152e+007



191023K2_5
OPR B9J0002-BS1 OPR 1

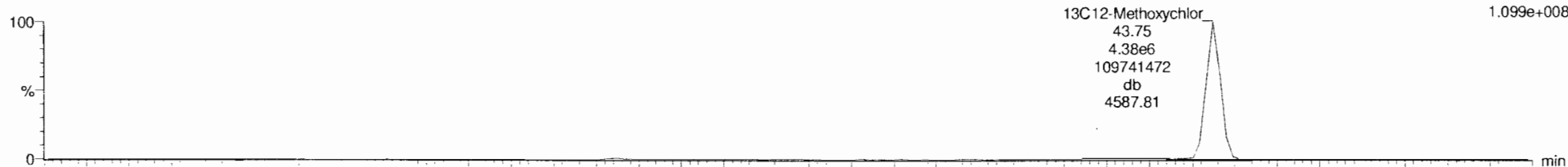
F5:Voltage SIR,EI+
228.1106
1.852e+006



13C12-Methoxychlor

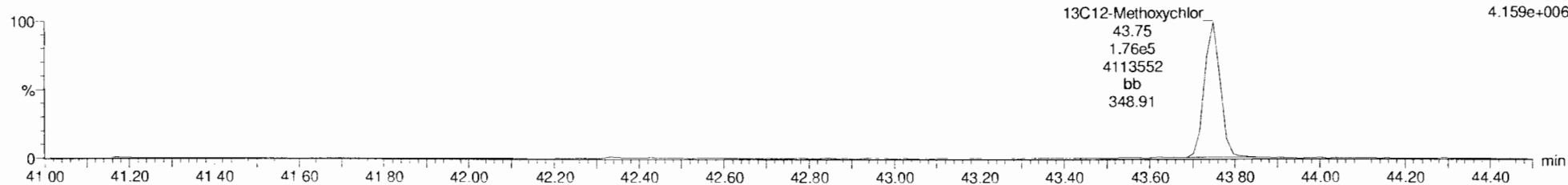
191023K2_5
OPR B9J0002-BS1 OPR 1

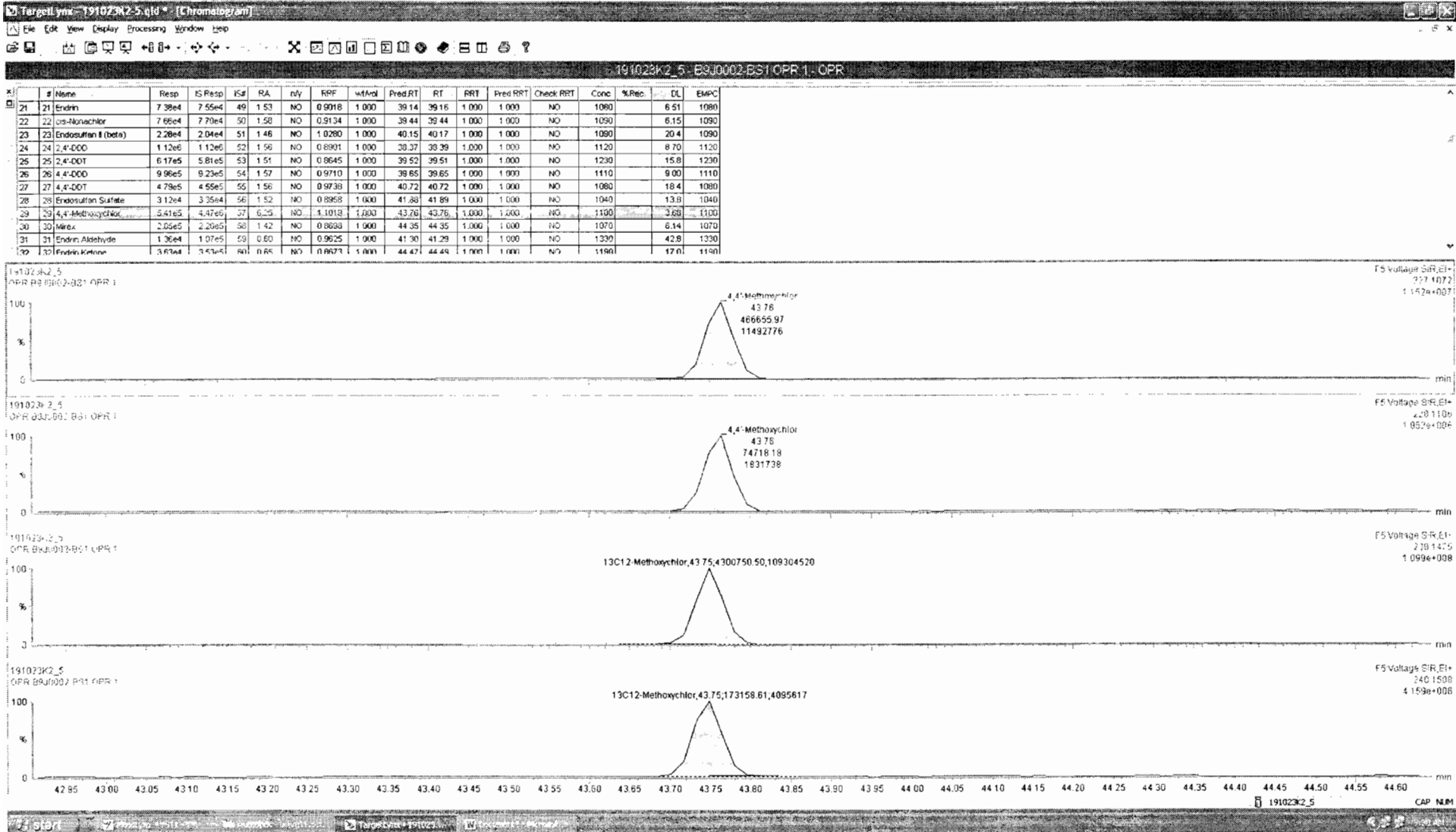
F5:Voltage SIR,EI+
239.1475
1.099e+008



191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
240.1508
4.159e+006





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

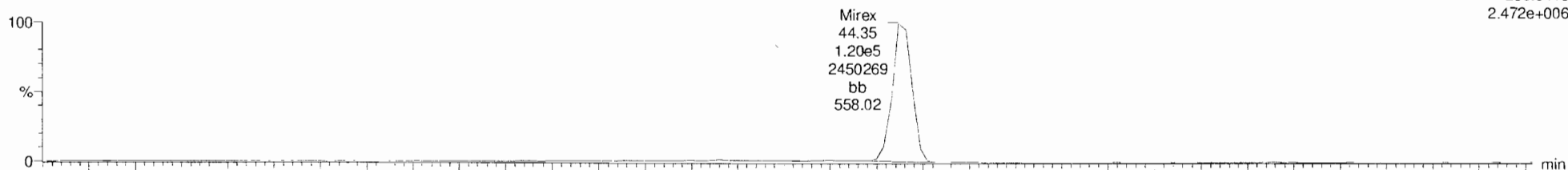
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

Mirex

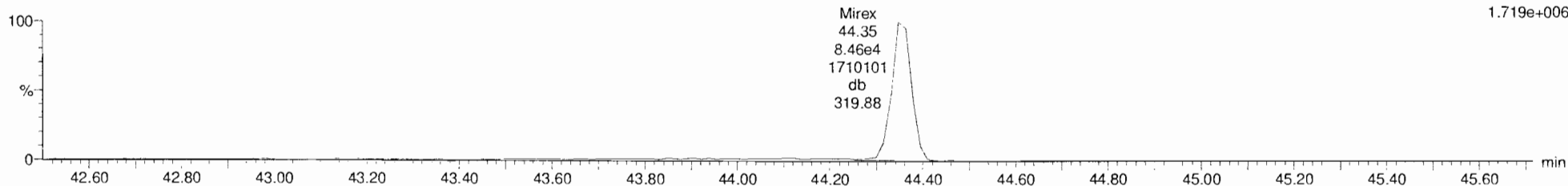
191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
236.8413
2.472e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

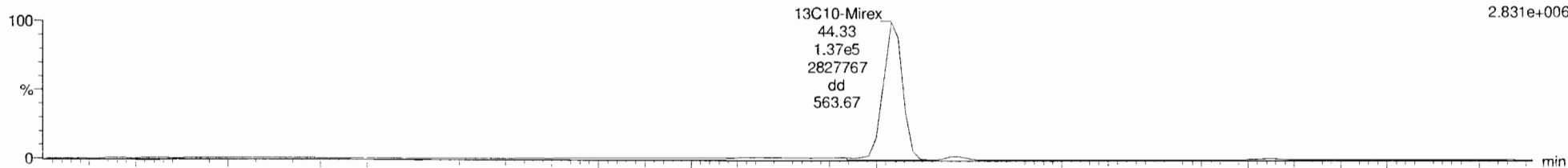
F5:Voltage SIR,EI+
238.8384
1.719e+006



13C10-Mirex

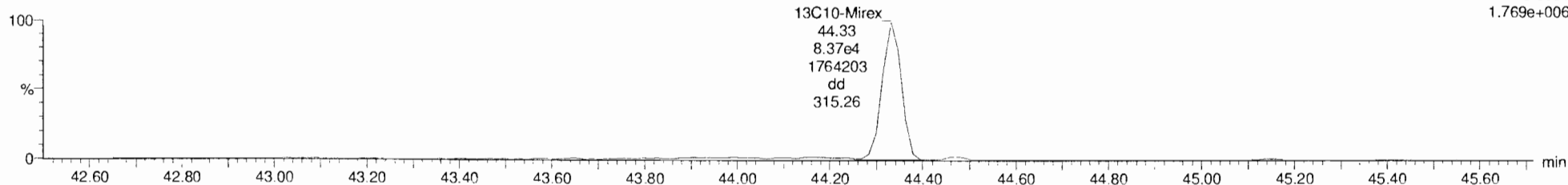
191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
241.8581
2.831e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
243.8551
1.769e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

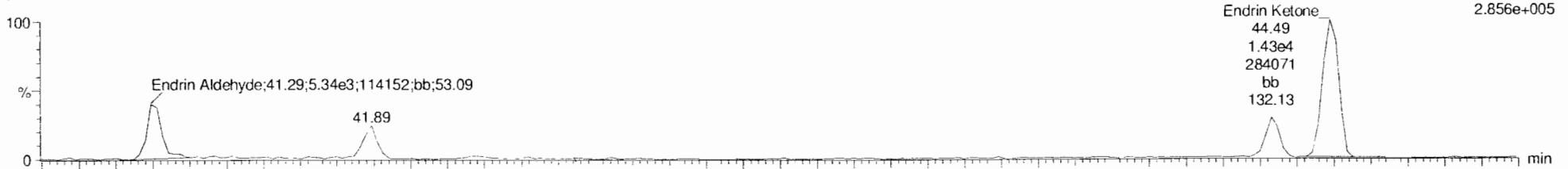
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

EA-EK

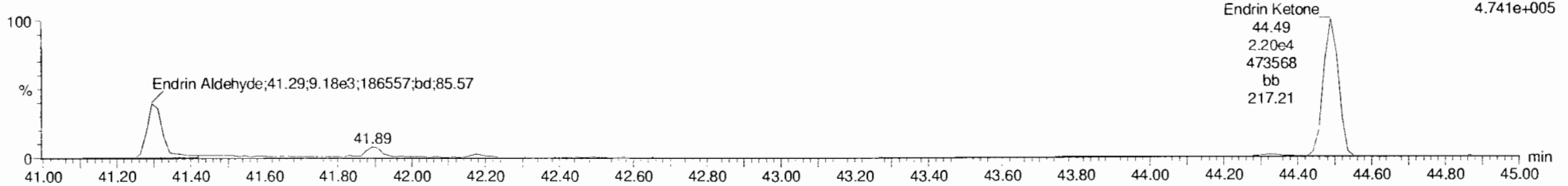
191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
247.8521
2.856e+005



191023K2_5
OPR B9J0002-BS1 OPR 1

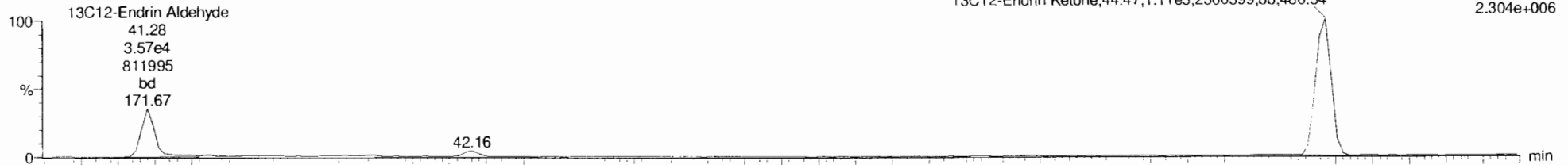
F5:Voltage SIR,EI+
249.8491
4.741e+005



EA-EK-isotopes

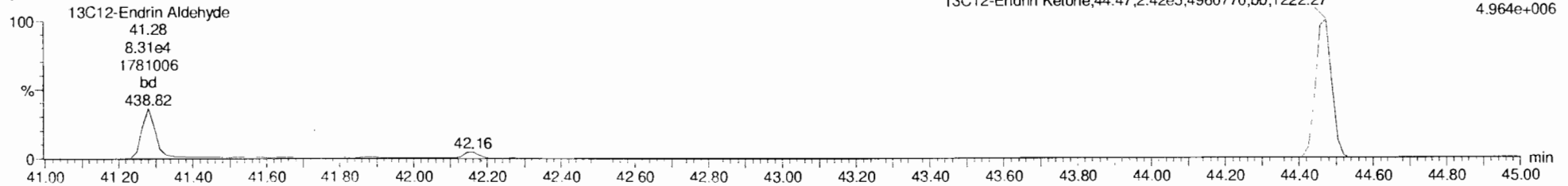
191023K2_5
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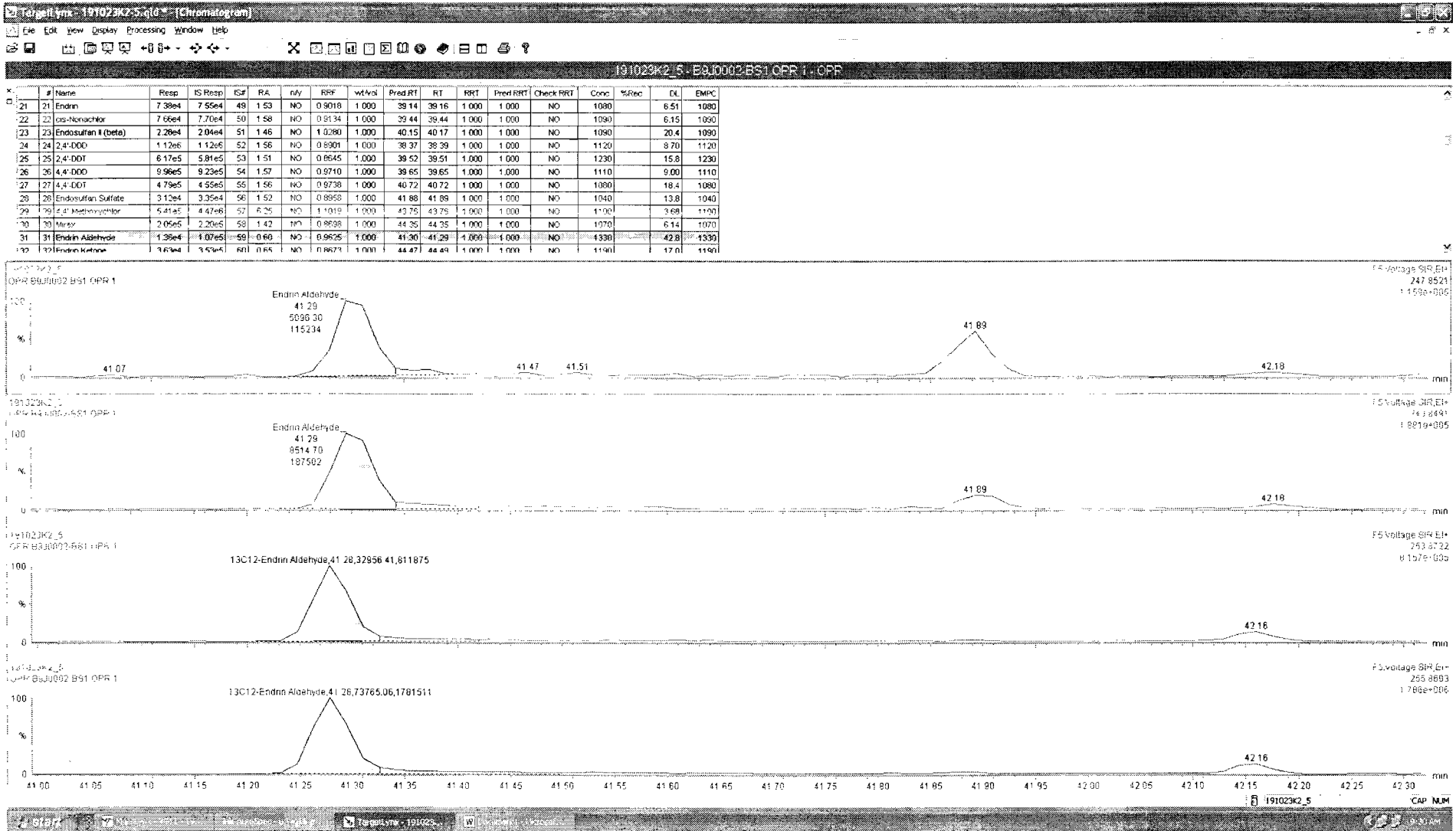
F5:Voltage SIR,EI+
253.8722
2.304e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
255.8693
4.964e+006





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

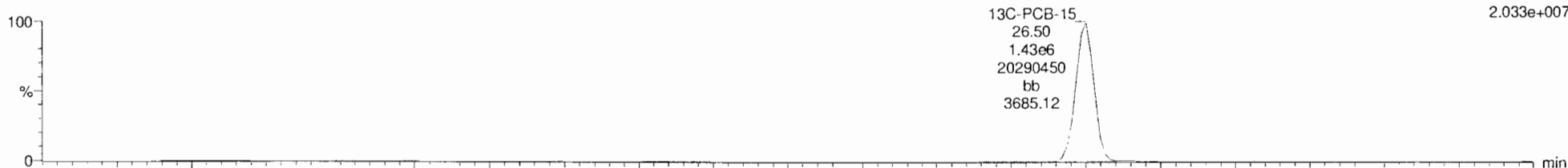
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

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13C-PCB-15

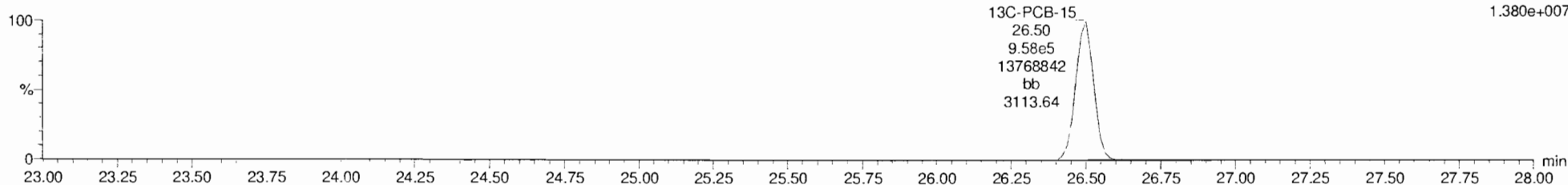
191023K2_5
OPR B9J0002-BS1 OPR 1

F2:Voltage SIR,EI+
234.0406
2.033e+007



191023K2_5
OPR B9J0002-BS1 OPR 1

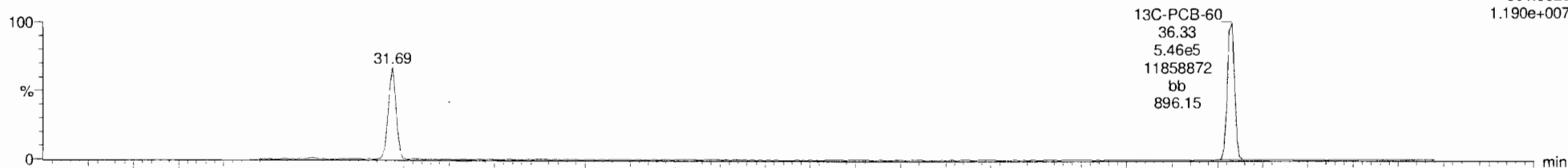
F2:Voltage SIR,EI+
236.0376
1.380e+007



13C-PCB-60

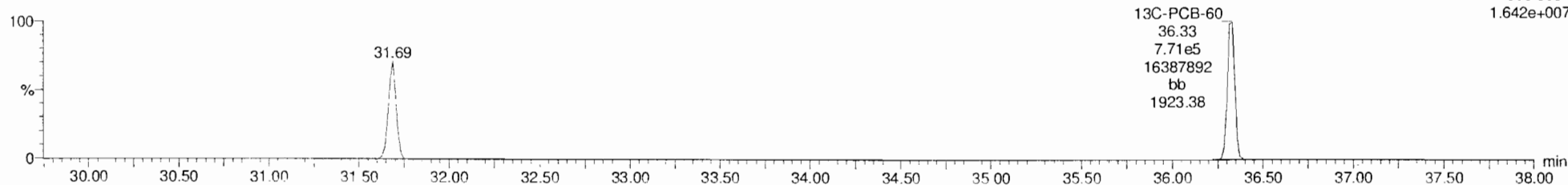
191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
301.9626
1.190e+007



191023K2_5
OPR B9J0002-BS1 OPR 1

F3:Voltage SIR,EI+
303.9597
1.642e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

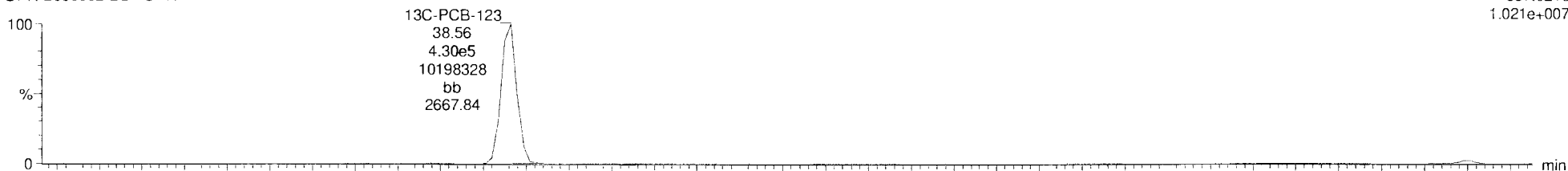
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Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

13C-PCB-123

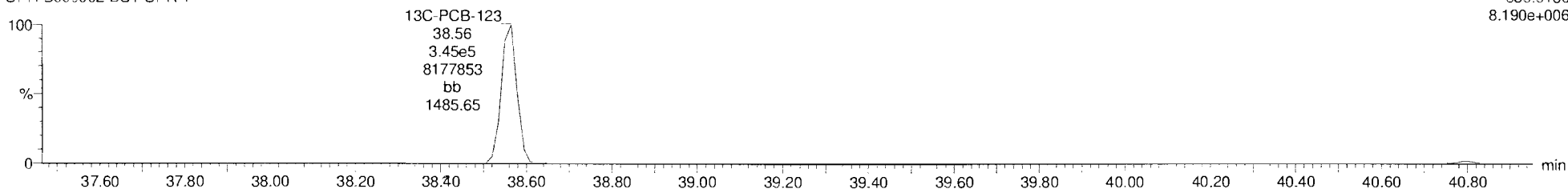
191023K2_5
OPR B9J0002-BS1 OPR 1

F4:Voltage SIR,EI+
337.9210
1.021e+007



191023K2_5
OPR B9J0002-BS1 OPR 1

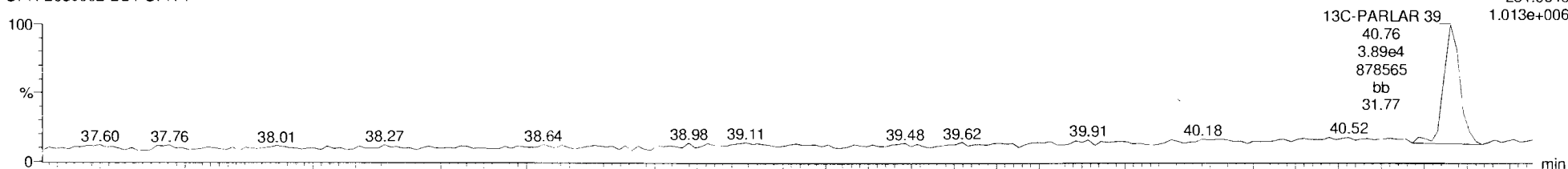
F4:Voltage SIR,EI+
339.9180
8.190e+006



13C-PARLAR 39

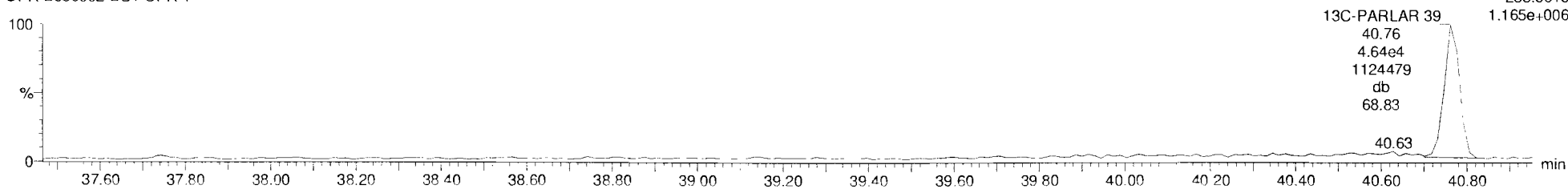
191023K2_5
OPR B9J0002-BS1 OPR 1

F4:Voltage SIR,EI+
251.9648
1.013e+006



191023K2_5
OPR B9J0002-BS1 OPR 1

F4:Voltage SIR,EI+
253.9619
1.165e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:20:05 Pacific Daylight Time

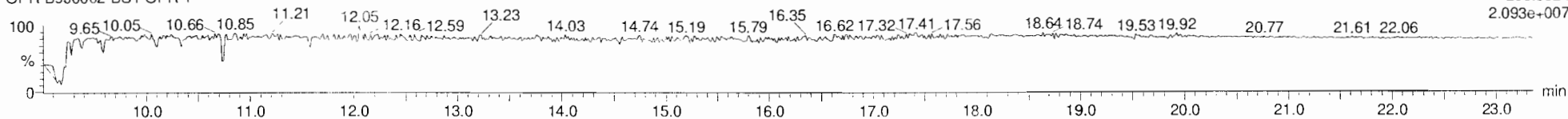
Printed: Thursday, October 24, 2019 08:20:10 Pacific Daylight Time

Name: 191023K2_5, Date: 23-Oct-2019, Time: 19:34:23, ID: B9J0002-BS1 OPR 1, Description: OPR

PFK1

191023K2_5
OPR B9J0002-BS1 OPR 1

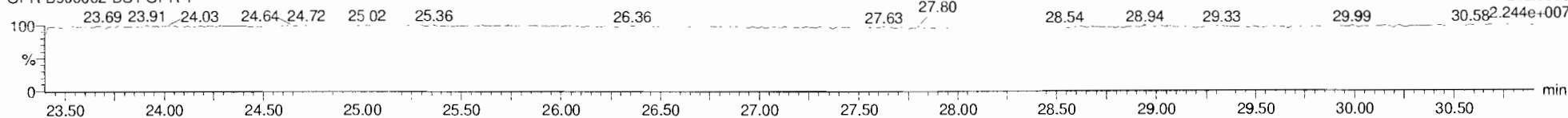
F1:Voltage SIR,EI+
268.9824
2.093e+007



PFK2

191023K2_5
OPR B9J0002-BS1 OPR 1

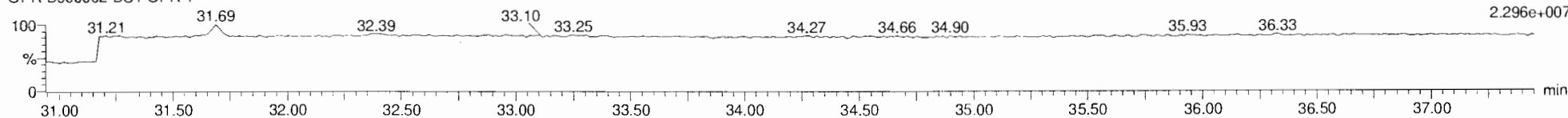
F2:Voltage SIR,EI+
242.9856
2.244e+007



PFK3

191023K2_5
OPR B9J0002-BS1 OPR 1

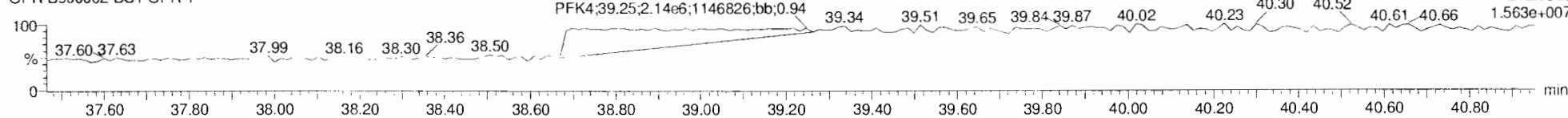
F3:Voltage SIR,EI+
268.9824
2.296e+007



PFK4

191023K2_5
OPR B9J0002-BS1 OPR 1

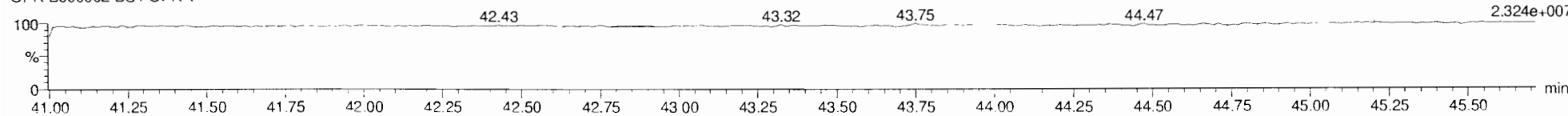
F4:Voltage SIR,EI+
242.9856
1.563e+007



PFK5

191023K2_5
OPR B9J0002-BS1 OPR 1

F5:Voltage SIR,EI+
242.9856
2.324e+007



Dataset: U:\VG11.PRO\Results\191023K3\191023K3-6.qld

Last Altered: Monday, November 04, 2019 14:06:51 Pacific Standard Time

Printed: Monday, November 04, 2019 14:07:38 Pacific Standard Time

Hc 11/4/19

CT 11/04/19

Ⓟ see dil

Method: Untitled 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	8.72e5	1.44e6	1.17	NO	0.840	1.128	23.16	23.15	1.001	1.001	NO	639		0.181	639
2	3 Alpha-BHC	2.17e3	5.38e5	2.96	YES	0.751	1.128	23.70	23.69	1.001	1.002	NO	476		4.19	3.71
3	4 Lindane (gamma-BHC)		4.31e5		NO	0.717	1.128	27.03			1.001	YES			7.18	
4	5 Beta-BHC		2.66e5		NO	0.870	1.128	29.06			1.000	NO			7.49	
5	6 Delta-BHC		3.12e5		NO	0.817	1.128	30.73			1.001	NO			5.97	
6	7 Heptachlor	9.39e4	2.88e5	0.99	NO	0.868	1.128	29.18	29.18	1.001	1.001	NO	333		3.44	333
7	9 Aldrin	1.37e4	1.30e5	1.57	NO	0.946	1.128	31.27	31.26	1.001	1.001	NO	98.8		10.5	98.8
8	10 Oxychlorane		4.17e4		NO	0.926	1.128	33.84			1.001	YES			37.0	
9	11 cis-Heptachlor Epoxide	2.82e3	6.97e4	1.92	NO	0.937	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
10	12 trans-Heptachlor Epox...		6.97e4		NO	0.238	1.128	35.13			1.015	NO			59.7	
11	13 trans-Chlordane (gam...	1.18e5	4.55e4	1.56	NO	0.980	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
12	14 trans-Nonachlor	4.24e4	6.13e4	1.55	NO	0.902	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
13	15 cis-Chlordane	1.22e5	6.13e4	1.60	NO	0.899	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
14	16 Endosulfan I (alpha)		3.63e4		NO	1.03	1.128	36.31			1.001	YES			36.1	
15	18 2,4'-DDE	5.43e5	1.29e6	1.26	NO	0.758	1.128	36.25	36.26	1.000	1.000	NO	494		2.65	494
16	19 4,4'-DDE	3.60e6	8.01e5	1.25	NO	0.771	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
17	20 Dieldrin	2.02e4	1.04e5	1.46	NO	0.927	1.128	37.77	37.78	1.001	1.000	NO	185		17.8	185
18	21 Endrin		4.59e4		NO	0.902	1.128	39.16			1.000	YES			36.1	
19	22 cis-Nonachlor	8.27e3	4.87e4	1.19	NO	0.913	1.128	39.45	39.46	1.000	1.000	NO	165		34.1	165
20	23 Endosulfan II (beta)		1.55e4		NO	1.03	1.128	40.17			1.000	NO			91.2	
21	24 2,4'-DDD	1.67e6	2.68e5	1.59	NO	0.890	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
22	25 2,4'-DDT	1.30e5	6.01e5	1.62	NO	0.865	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
23	26 4,4'-DDD	1.18e7	5.95e5	1.54	NO	0.971	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
24	27 4,4'-DDT	5.55e5	4.99e5	1.53	NO	0.974	1.128	40.72	40.72	1.000	1.000	NO	1010		13.3	1010
25	28 Endosulfan Sulfate		1.50e4		NO	0.896	1.128	41.88			1.000	NO			170	
26	29 4,4'-Methoxychlor		4.47e6		NO	1.10	1.128	43.76			1.000	NO			997	
27	30 Mirex	2.76e4	1.27e5	0.40	YES	0.870	1.128	44.35	44.38	1.001	1.000	NO	222		54.5	104
28	31 Endrin Aldehyde		2.19e5		NO	0.962	1.128	41.30			1.000	NO			149	
29	32 Endrin Ketone		3.08e5		NO	0.867	1.128	44.49			1.000	NO			182	
30	34 13C6-Hexachlorobenz...	1.44e6	2.43e6	1.28	NO	0.710	1.128	23.14	23.14	0.873	0.873	NO	739	83.3	0.216	

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-6.qld

Last Altered: Monday, November 04, 2019 14:06:51 Pacific Standard Time

Printed: Monday, November 04, 2019 14:07:38 Pacific Standard Time

Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

	# Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
31	35 13C6-Alpha-BHC	5.38e5	2.43e6	0.79	NO	0.255	1.128	23.68	23.66	0.892	0.893	NO	768	86.6	4.32	
32	36 13C6-Lindane (gamma)	4.31e5	2.43e6	0.79	NO	0.216	1.128	27.02	27.00	1.018	1.019	NO	728	82.1	5.12	
33	37 13C6-Beta-BHC	2.66e5	2.43e6	0.80	NO	0.162	1.128	29.07	29.06	1.096	1.096	NO	598	67.4	6.80	
34	38 13C6-Delta-BHC	3.12e5	2.43e6	0.78	NO	0.185	1.128	30.74	30.71	1.158	1.159	NO	615	69.4	5.97	
35	39 13C10-Heptachlor	2.88e5	2.43e6	1.32	NO	0.178	1.128	29.15	29.15	1.099	1.099	NO	591	66.6	2.17	
36	40 13C12-Aldrin	1.30e5	2.43e6	1.68	NO	0.186	1.128	31.30	31.24	1.178	1.180	NO	254	28.7	4.16	
37	41 13C10-Oxychlorane	4.17e4	2.43e6	1.49	NO	0.0499	1.128	33.88	33.82	1.275	1.278	NO	305	34.4	15.5	
38	42 13C10-cis-Heptachlor ...	6.97e4	2.43e6	1.62	NO	0.0657	1.128	34.68	34.61	1.305	1.308	NO	386	43.5	11.8	
39	43 13C10-trans-Chlordan...	4.55e4	2.43e6	1.62	NO	0.0525	1.128	35.58	35.53	1.340	1.342	NO	315	35.6	14.7	
40	44 13C10-trans-Nonachlor	6.13e4	2.43e6	1.63	NO	0.0587	1.128	35.77	35.72	1.347	1.349	NO	380	42.9	13.2	
41	45 13C9-Endosulfan I (al...	3.63e4	2.43e6	1.68	NO	0.0343	1.128	36.37	36.28	1.368	1.372	NO	386	43.5	22.6	
42	46 13C12-2,4'-DDE	1.29e6	2.43e6	1.60	NO	1.01	1.128	36.29	36.24	0.995	0.996	NO	464	52.3	3.77	
43	47 13C12-4,4'-DDE	8.01e5	2.43e6	1.65	NO	0.760	1.128	37.35	37.32	1.024	1.025	NO	384	43.3	5.01	
44	48 13C12-Dieldrin	1.04e5	2.43e6	1.50	NO	0.0797	1.128	37.85	37.75	1.036	1.039	NO	477	53.8	16.3	
45	49 13C12-Endrin	4.59e4	2.43e6	1.53	NO	0.0599	1.128	39.26	39.16	1.075	1.078	NO	279	31.5	21.7	
46	50 13C10-cis-Nonachlor	4.87e4	2.43e6	1.64	NO	0.0486	1.128	39.54	39.44	1.083	1.085	NO	365	41.1	26.8	
47	51 13C9-Endosulfan II	1.55e4	2.43e6	1.43	NO	0.0145	1.128	40.28	40.17	1.103	1.106	NO	388	43.8	89.6	
48	52 13C12-2,4'-DDD	2.68e5	2.43e6	1.80	NO	0.653	1.128	38.47	38.40	1.448	1.451	NO	150	16.9	25.2	
49	53 13C12-2,4'-DDT	6.01e5	2.43e6	1.80	NO	0.443	1.128	39.51	39.51	1.490	1.490	NO	494	55.7	37.1	
50	54 13C12-4,4'-DDD	5.95e5	2.43e6	1.79	NO	0.550	1.128	39.65	39.65	1.495	1.495	NO	394	44.4	29.9	
51	55 13C12-4,4'-DDT	4.99e5	2.43e6	1.84	NO	0.354	1.128	40.70	40.70	1.535	1.535	NO	513	57.9	46.4	
52	56 13C9-Endosulfan Sulf...	1.50e4	2.43e6	1.64	NO	0.0239	1.128	41.99	41.88	1.150	1.153	NO	228	25.7	59.6	
53	57 13C12-Methoxychlor	4.47e6	2.43e6	12.67	NO	0.362	1.128	43.86	43.75	1.201	1.204	NO	4510	50.8	39.9	
54	58 13C10-Mirex	1.27e5	2.43e6	1.82	NO	0.184	1.128	44.46	44.33	1.217	1.220	NO	251	28.3	22.6	
55	59 13C12-Endrin Aldehyde	2.19e5	2.43e6	0.43	NO	0.0307	1.128	41.39	41.28	1.133	1.136	NO	2600	29.3	95.2	
56	60 13C12-Endrin Ketone	3.08e5	2.43e6	0.73	YES	0.0240	1.128	44.49	44.49	1.221	1.221	NO	4670	52.7	122	
57	62 13C-PCB-15	2.43e6	2.43e6	1.50	NO	1.00	1.128	26.42	26.52	1.000	1.000	NO	887	100	1.55	

Dataset: Untitled

Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

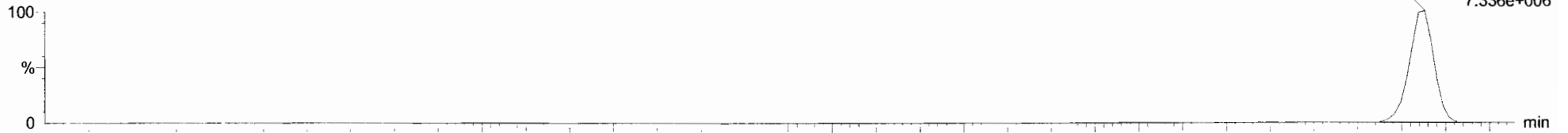
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

Hexachlorobenzene

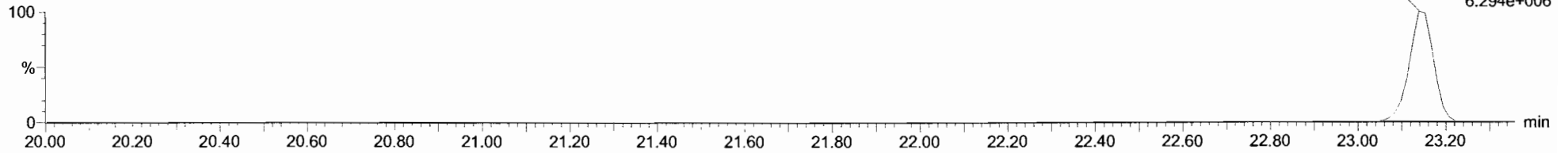
191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

Hexachlorobenzene;23.15;4.71e5;7327451;bb;11437.52
F1:Voltage SIR,EI+
283.8102
7.336e+006



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

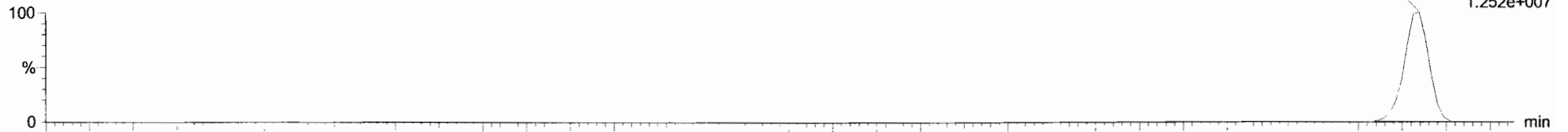
Hexachlorobenzene;23.14;4.01e5;6284807;bb;7074.54
F1:Voltage SIR,EI+
285.8072
6.294e+006



13C6-Hexachlorobenzene

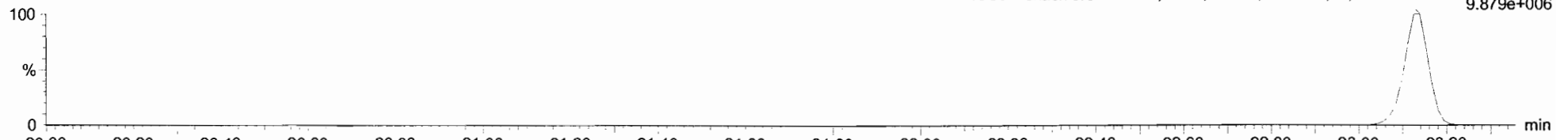
191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

13C6-Hexachlorobenzene;23.14;8.08e5;12503796;bb;12320.82
F1:Voltage SIR,EI+
289.8303
1.252e+007



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

13C6-Hexachlorobenzene;23.14;6.33e5;9868915;bb;9002.93
F1:Voltage SIR,EI+
291.8273
9.879e+006

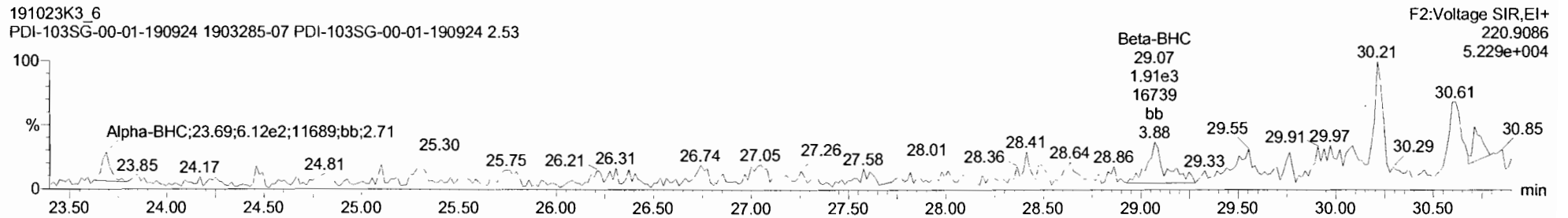
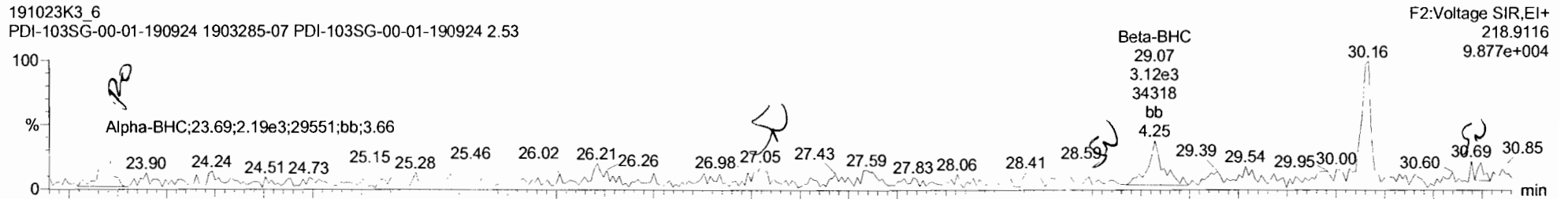


Dataset: Untitled

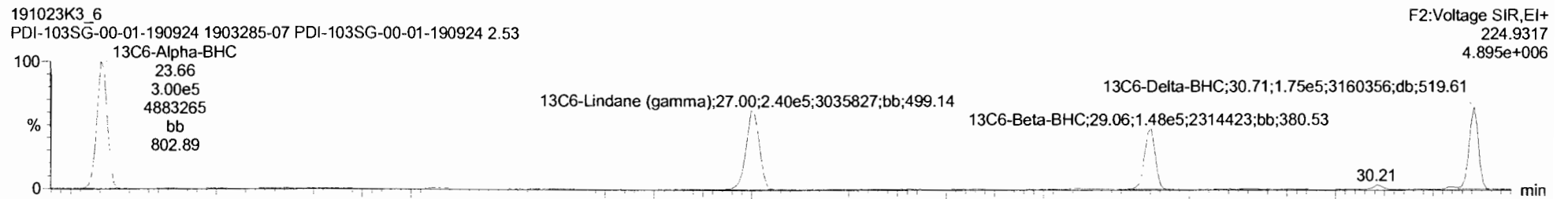
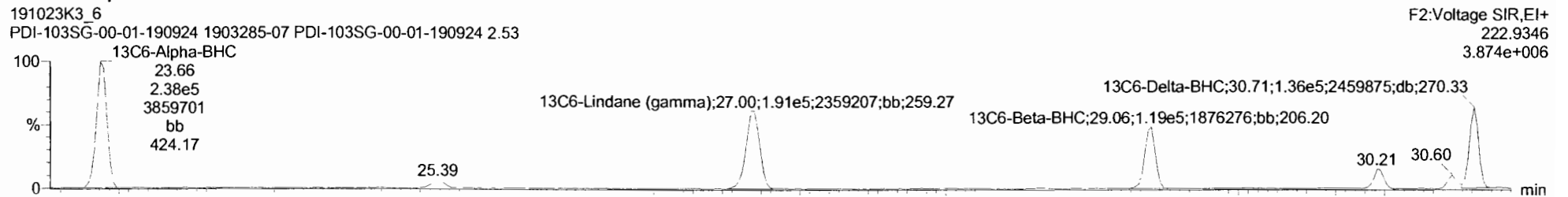
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Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

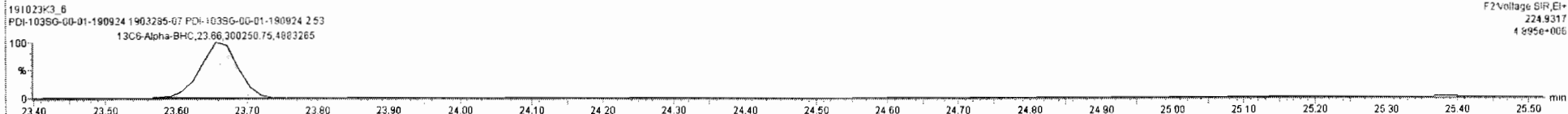
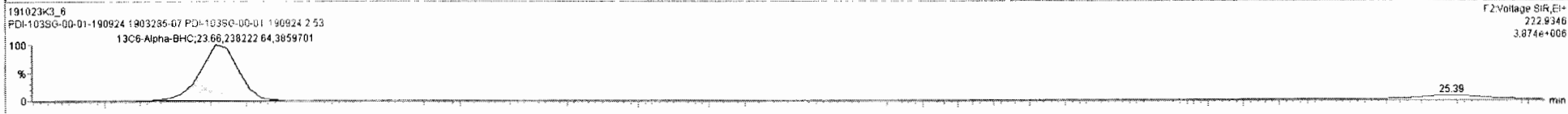
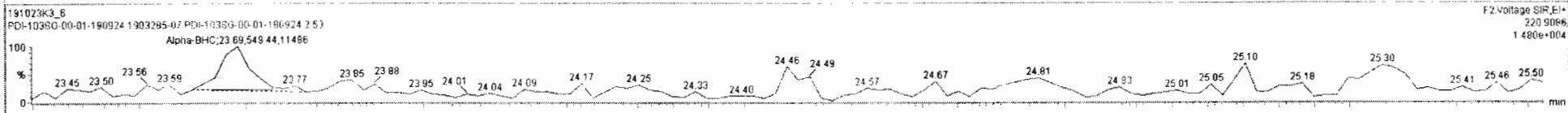
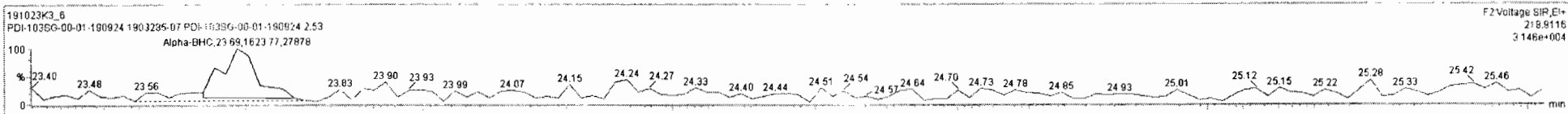
BHC Totals



BHC-isotopes

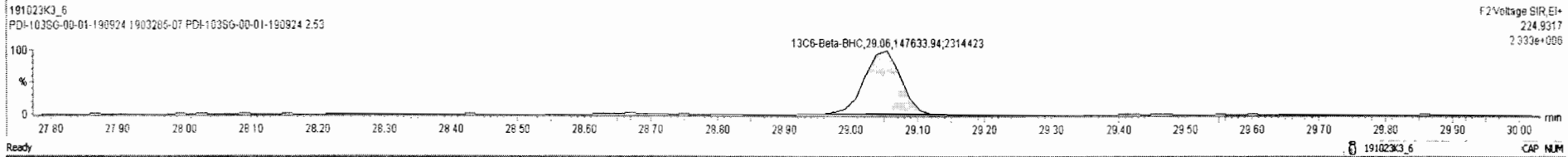
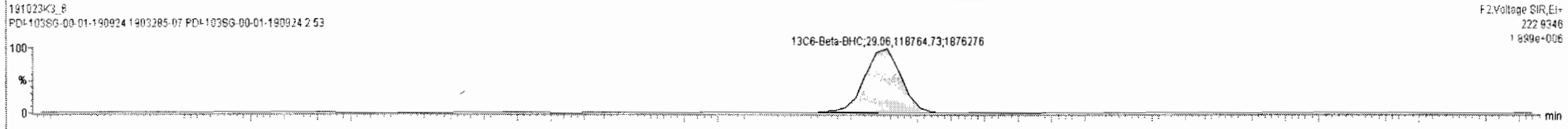
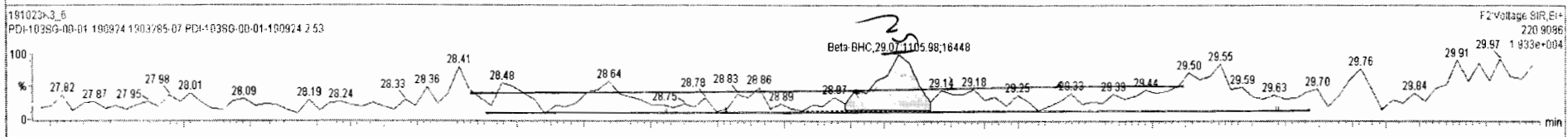
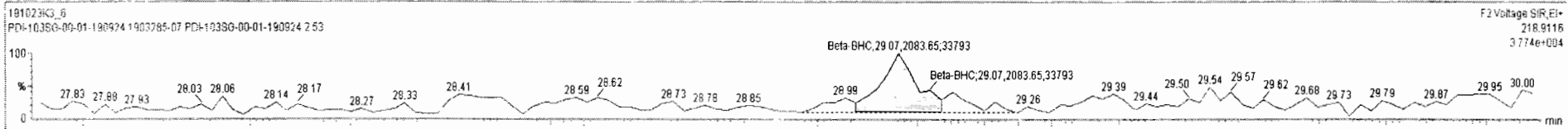


#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wAval	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.38e4	2.18e6	33	0.41	YES	0.1168	1.128	10.34	10.35	1.001	1.000	NO	2190		4.58	1130
2	Hexachlorobenzene	8.72e5	1.44e6	34	1.17	NO	0.8398	1.128	23.16	23.15	1.001	1.001	NO	639		0.161	639
3	Alpha-BHC	2.17e3	5.38e5	35	2.95	YES	0.7511	1.128	23.70	23.69	1.001	1.002	NO	4.76		4.19	3.71
4	Lindane (gamma-BHC)	4.31e5	36	NO	0.7173	1.128	27.03				1.001	YES				7.18	
5	Beta-BHC	5.03e3	2.66e5	37	1.63	NO	0.8703	1.128	29.06	29.07	1.001	1.000	NO	19.3		7.49	19.3
6	Delta-BHC	1.28e3	3.12e5	38	0.70	YES	0.8175	1.128	30.73	30.74	1.001	1.001	NO	4.44		5.97	2.71
7	Heptachlor	9.39e4	2.88e5	39	0.99	NO	0.8683	1.128	29.18	29.18	1.001	1.001	NO	333		3.44	333
8	4,4'-DDNU	1.63e5	3.12e5	38	2.52	NO	1.3628	1.128	30.63	30.63	0.997	0.997	NO	341		11.7	341
9	Aldrin	1.37e4	1.30e5	40	1.57	NO	0.9463	1.128	31.27	31.26	1.001	1.001	NO	98.8		10.5	98.8
10	Oxychlorfene	4.17e4	41	NO	0.9262	1.128	33.84				1.001	YES				37.0	
11	cis-Heptachlor Epoxide	3.12e3	6.97e4	42	1.97	YES	0.9366	1.128	34.63	34.62	1.000	1.001	NO	42.3		15.2	36.5
12	trans-Heptachlor Epoxide	8.50e3	6.97e4	42	1.52	NO	0.7384	1.128	35.13	35.04	1.013	1.015	NO	453		59.7	453
13	trans-Chlordane (gamma)	1.20e5	4.55e4	43	1.58	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2390		25.2	2390
14	trans-Nonachlor	4.33e4	6.15e4	44	1.54	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	693		22.8	693
15	cis-Chlordane	1.22e5	6.15e4	44	1.60	NO	0.8590	1.128	36.23	36.22	1.014	1.014	NO	1960		22.9	1960
16	Endosulfan I (alpha)	3.63e4	45	NO	1.0348	1.128	36.31				1.001	YES				36.1	
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	4,4'-DDE	3.69e6	3.01e6	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.95	5170



191023K3_6 - 1903285-07 PDI-103SG-00-01-190924 2.53 - PDI-103SG-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/rd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.38e4	2.18e6	33	0.41	YES	0.1168	1.128	10.34	10.35	1.001	1.000	NO	2180		4.58	1130
2	Hexachlorobenzene	8.72e5	1.44e6	34	1.17	NO	0.8398	1.128	23.16	23.15	1.001	1.001	NO	639		0.181	639
3	Alpha-BHC	2.17e3	5.38e5	35	2.96	YES	0.7511	1.128	23.70	23.69	1.001	1.002	NO	4.76		4.19	3.71
4	Lindene (gamma-BHC)		4.31e5	36		NO	0.7173	1.128	27.03			1.001	YES				7.18
5	Beta-BHC	3.19e3	2.88e5	37	1.88	NO	0.8703	1.128	29.06	29.07	1.001	1.000	NO	12.2		7.49	12.2
6	Delta-BHC	1.28e3	3.12e5	38	0.70	YES	0.8175	1.128	30.73	30.74	1.001	1.001	NO	4.44		5.97	2.71
7	Heptachlor	9.39e4	2.88e5	39	0.99	NO	0.8683	1.128	29.18	29.18	1.001	1.001	NO	333		3.44	333
8	4,4'-DDMU	1.63e5	3.12e5	38	2.52	NO	1.3623	1.128	30.63	30.63	0.997	0.997	NO	341		11.7	341
9	Aldrin	1.37e4	1.30e5	40	1.57	NO	0.9463	1.128	31.27	31.26	1.001	1.001	NO	98.8		10.5	98.8
10	Oryzhaldrane		4.17e4	41		NO	0.9262	1.128	33.84			1.001	YES				37.0
11	cis-Heptachlor Epoxide	3.12e3	6.97e4	42	1.97	YES	0.9366	1.128	34.63	34.62	1.000	1.001	NO	42.3		15.2	36.5
12	trans-Heptachlor Epoxide	8.50e3	6.97e4	42	1.52	NO	0.2394	1.128	35.13	35.04	1.013	1.015	NO	453		59.7	453
13	trans-Chlordane (gamma)	1.20e5	4.55e4	43	1.58	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2390		25.2	2390
14	trans-Nonachlor	4.33e4	6.15e4	44	1.54	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	693		22.8	693
15	cis-Chlordane	1.22e5	6.15e4	44	1.60	NO	0.8966	1.128	36.23	36.22	1.014	1.014	NO	1960		22.9	1960
16	Endosulfan (alpha)		3.63e4	45		NO	1.0340	1.128	36.31			1.001	YES				36.1
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	4,4'-DDE	3.80e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170



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Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

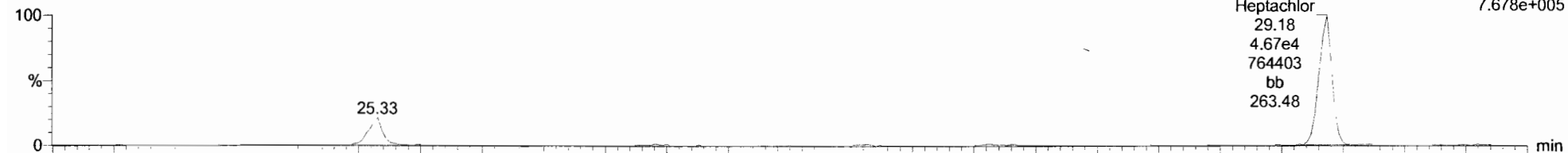
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Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

Heptachlor

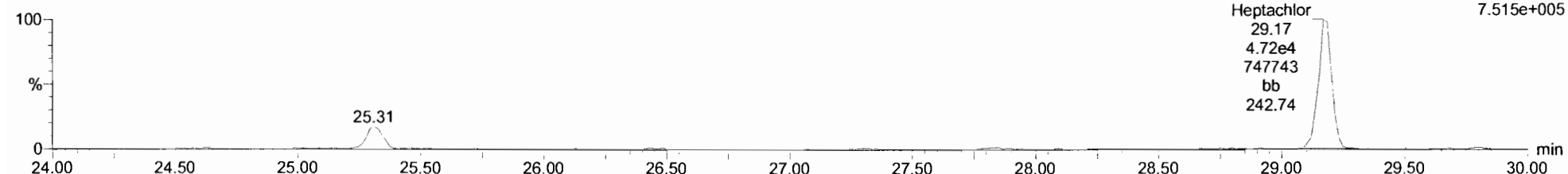
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PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F2:Voltage SIR,EI+
271.8102
7.678e+005



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

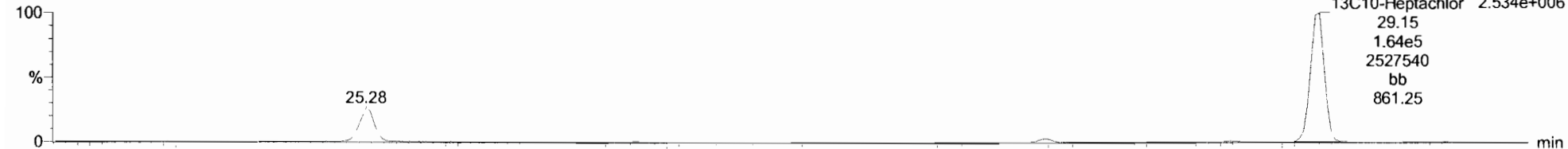
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7.515e+005



13C10-Heptachlor

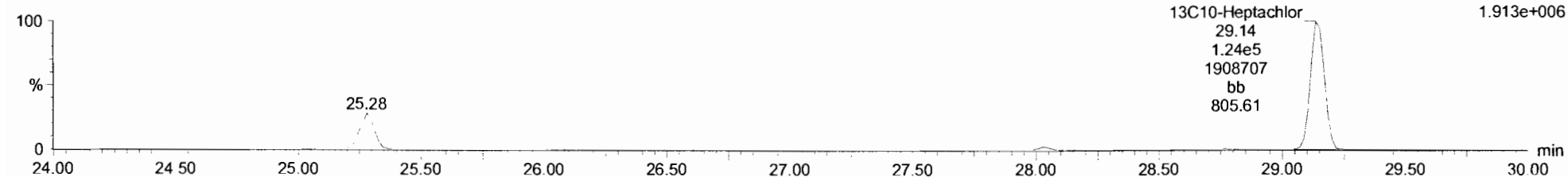
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PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F2:Voltage SIR,EI+
276.8269
2.534e+006



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F2:Voltage SIR,EI+
278.8240
1.913e+006



Dataset: Untitled

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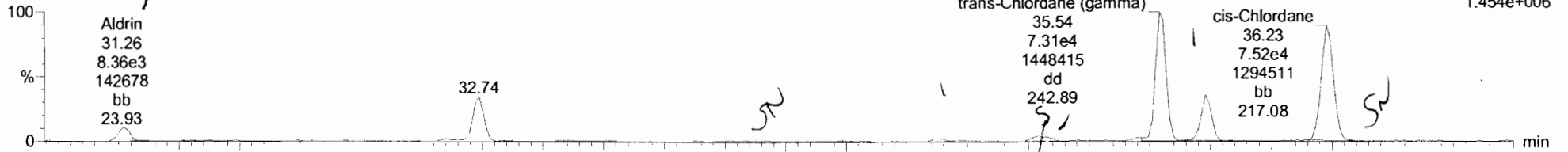
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Aldrin-EI

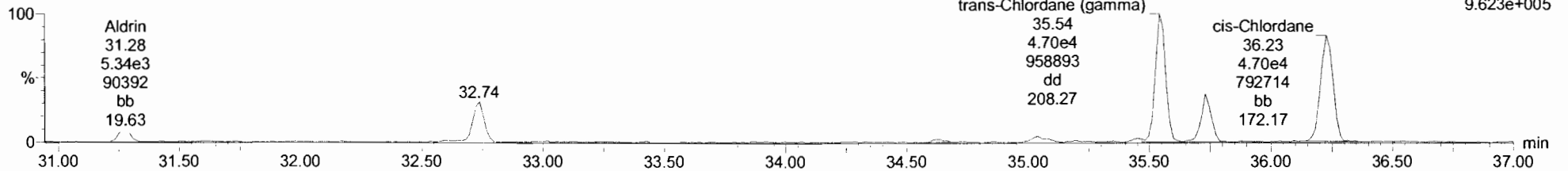
191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F3:Voltage SIR,EI+
262.8569
1.454e+006



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

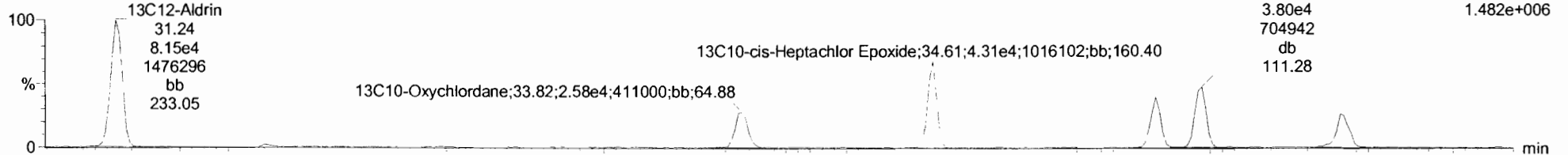
F3:Voltage SIR,EI+
264.8550
9.623e+005



Aldrin-EI-isotopes

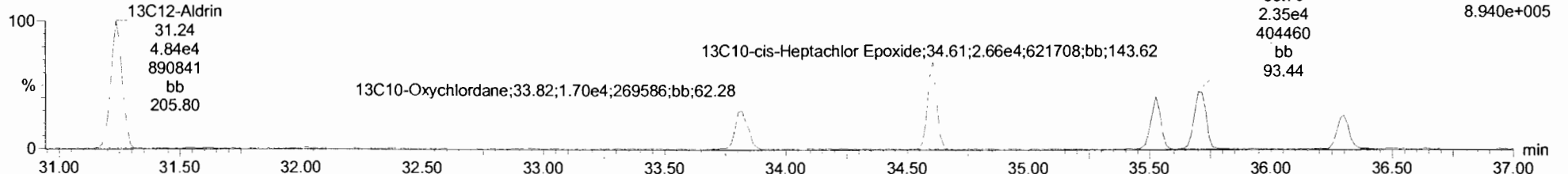
191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

¹³C10-trans-Nonachlor F3:Voltage SIR,EI+
35.71 269.8804
3.80e4 1.482e+006
704942

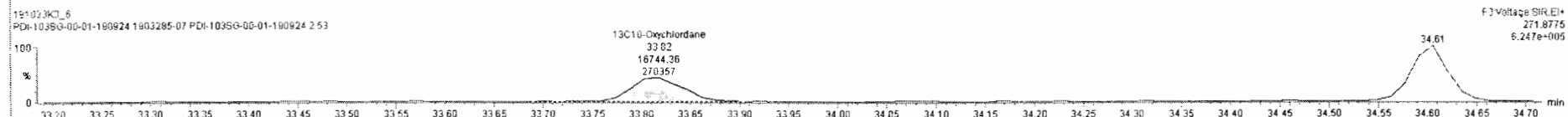
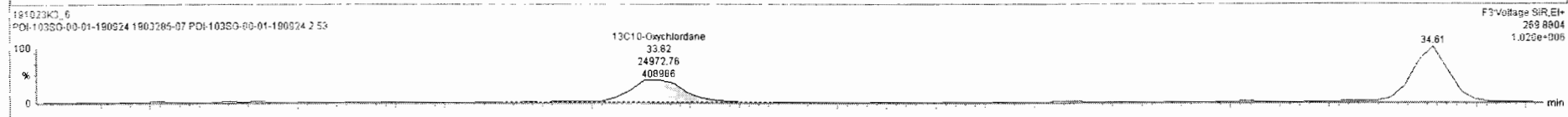
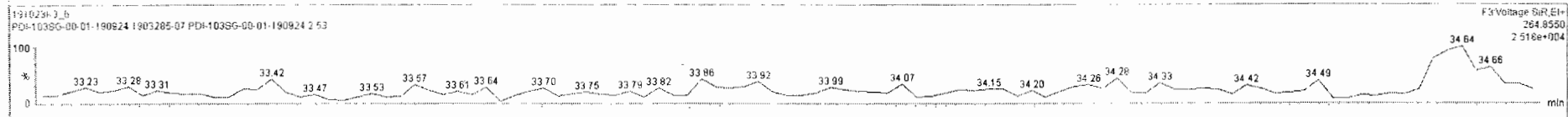
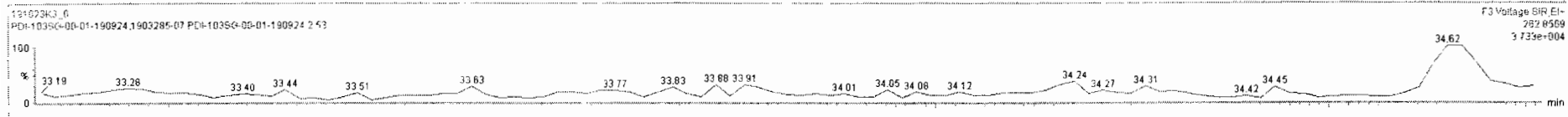


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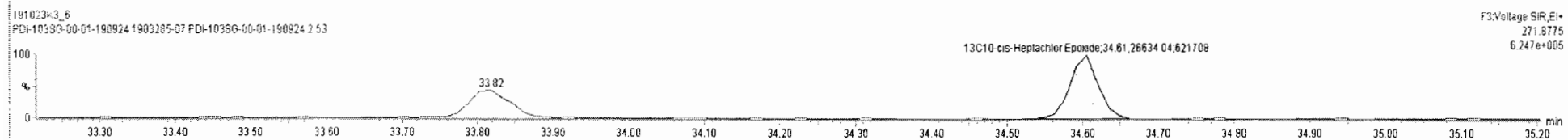
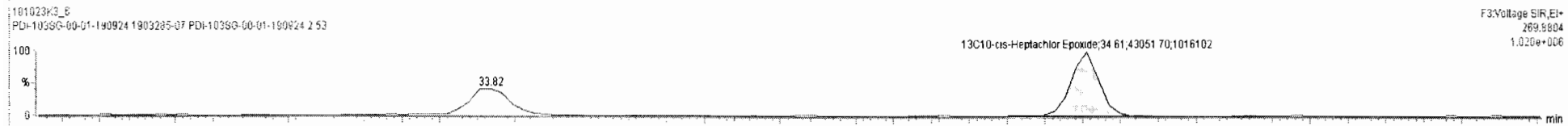
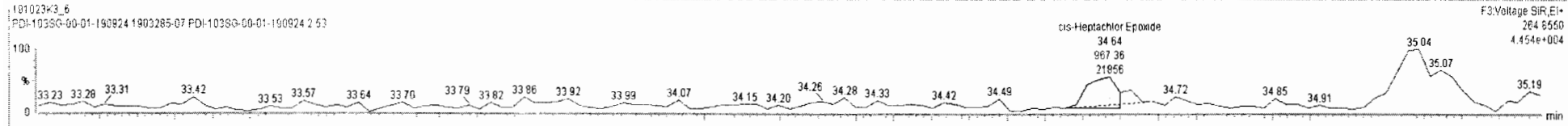
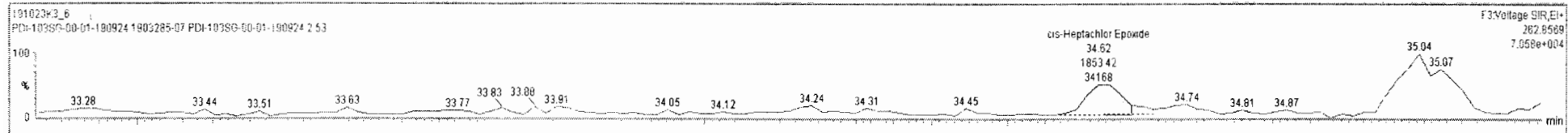
¹³C10-trans-Nonachlor F3:Voltage SIR,EI+
35.70 271.8775
2.35e4 8.940e+005
404460



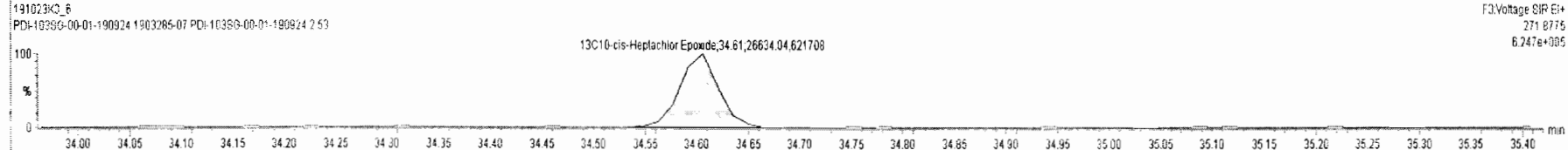
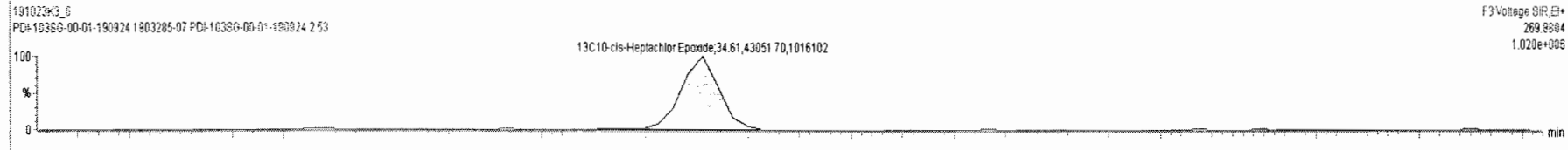
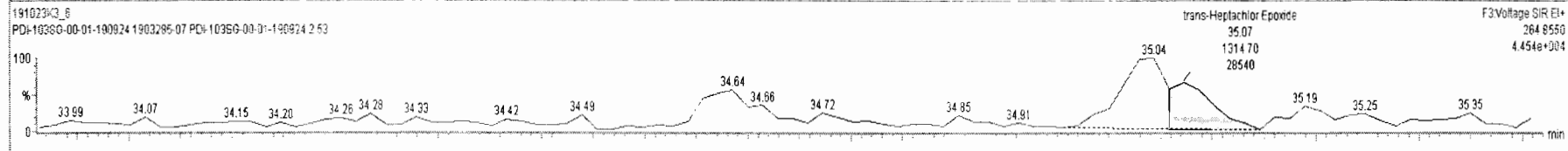
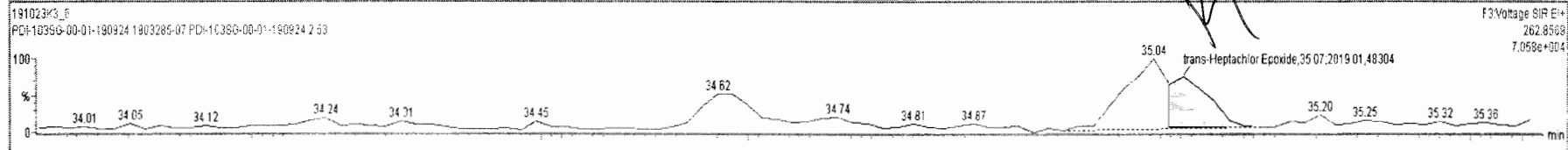
#	Name	Resp	IS Resp	IS#	RA	rvy	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.39e4	2.18e6	33	0.41	YES	0.1188	1.128	10.34	10.35	1.001	1.000	NO	2180		4.58	1130
2	Hexachlorobenzene	8.72e5	1.44e6	34	1.17	NO	0.8398	1.128	23.16	23.15	1.001	1.001	NO	639		0.181	639
3	Alpha-BHC	2.17e3	5.38e5	35	2.98	YES	0.7511	1.128	23.70	23.69	1.001	1.002	NO	4.76		4.19	371
4	Lindane (gamma-BHC)		4.31e5	36		NO	0.7173	1.128	27.03			1.001	YES				7.18
5	Beta-BHC		2.66e5	37		NO	0.8703	1.128	29.06			1.000	NO				7.49
6	Delta-BHC		3.12e5	38		NO	0.8175	1.128	30.73			1.001	NO				5.97
7	Heptachlor	9.39e4	2.88e5	39	0.99	NO	0.8683	1.128	29.18	29.18	1.001	1.001	NO	333		3.44	333
8	4,4'-DDMU	1.63e5	3.12e5	38	2.52	NO	1.3629	1.128	30.63	30.63	0.997	0.997	NO	341		11.7	341
9	Aladin	1.37e4	1.30e5	40	1.57	NO	0.9463	1.128	31.27	31.28	1.001	1.001	NO	98.8		10.5	98.8
10	Oxychlordan		4.17e4	41		NO	0.9262	1.128	33.84			1.001	YES				37.0
11	cis-Heptachlor Epoxide	3.12e3	6.97e4	42	1.97	YES	0.9366	1.128	34.63	34.62	1.000	1.001	NO	42.3		15.2	38.5
12	trans-Heptachlor Epoxide	8.50e3	6.97e4	42	1.52	NO	0.2384	1.128	35.13	35.04	1.013	1.015	NO	453		59.7	453
13	trans-Chlordane (gamma)	1.20e5	4.55e4	43	1.55	NO	0.9904	1.128	35.55	35.54	1.000	1.001	NO	2390		25.2	2390
14	trans-Nonsachlor	4.33e4	6.15e4	44	1.54	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	693		22.8	693
15	cis-Chlordane	1.22e5	6.15e4	44	1.60	NO	0.8998	1.128	36.23	36.22	1.014	1.014	NO	1960		22.9	1960
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES				36.1
17	4,4'-DDMU	1.26e6	1.29e6	46	2.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170



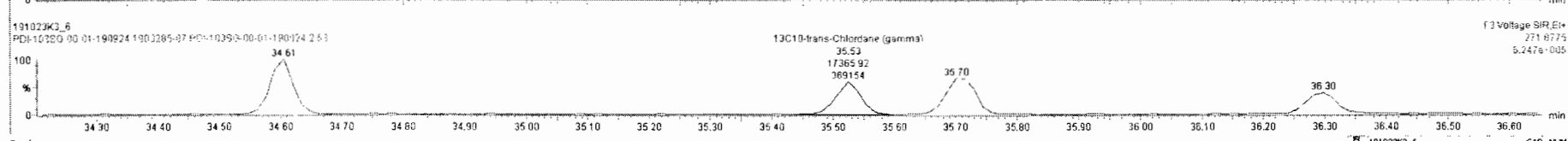
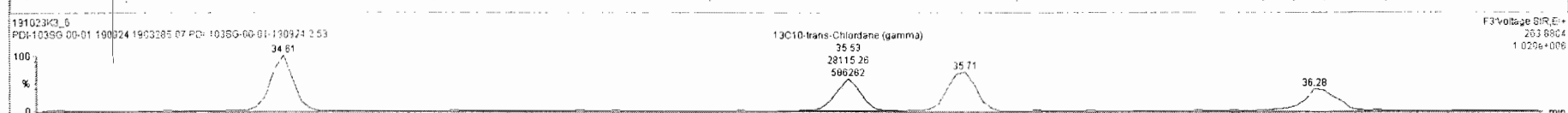
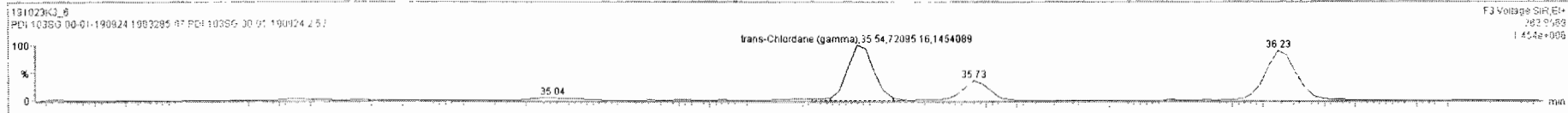
#	Name	Resp	IS Resp	IS#	RA	n/y	BRF	wt/nt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.38e4	2.18e6	33	0.41	YES	0.1188	1.128	10.34	10.35	1.001	1.000	NO	2180		4.58	1130
2	Hexachlorobenzene	8.72e5	1.44e6	34	1.17	NO	0.8398	1.128	23.16	23.15	1.001	1.001	NO	639		0.181	639
3	Alpha-BHC	2.17e3	5.38e5	35	2.96	YES	0.7511	1.128	23.70	23.69	1.001	1.002	NO	4.76		4.19	3.71
4	Lindane (gamma-BHC)		4.31e5	36		NO	0.7173	1.128	27.03			1.001	YES			7.18	
5	Beta-BHC		2.66e5	37		NO	0.8703	1.128	29.06			1.000	NO			7.49	
6	Delta-BHC		3.12e5	38		NO	0.8175	1.128	30.73			1.001	NO			5.97	
7	Heptachlor	9.33e4	2.88e5	39	0.99	NO	0.8883	1.128	29.18	29.19	1.001	1.001	NO	333		3.44	333
8	4,4'-DDMU	1.63e5	3.12e5	38	2.52	NO	1.3629	1.128	30.63	30.63	0.997	0.997	NO	341		11.7	341
9	Aldrin	1.37e4	1.30e5	40	1.57	NO	0.9463	1.128	31.27	31.26	1.001	1.001	NO	98.8		10.5	98.8
10	Oxychlorane		4.17e4	41		NO	0.9262	1.128	33.84			1.001	YES			37.0	
11	cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9386	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	trans-Heptachlor Epoxide	6.50e3	6.97e4	42	1.52	NO	0.2284	1.128	35.13	35.04	1.013	1.015	NO	453		59.7	453
13	trans-Chlordane (gamm...	1.20e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2390		25.2	2390
14	trans-Nonachlor	4.33e4	6.15e4	44	1.54	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	693		22.8	693
15	cis-Chlordane	1.22e5	6.15e4	44	1.60	NO	0.8988	1.128	36.23	36.22	1.014	1.014	NO	1960		22.9	1960
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES			36.1	
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170



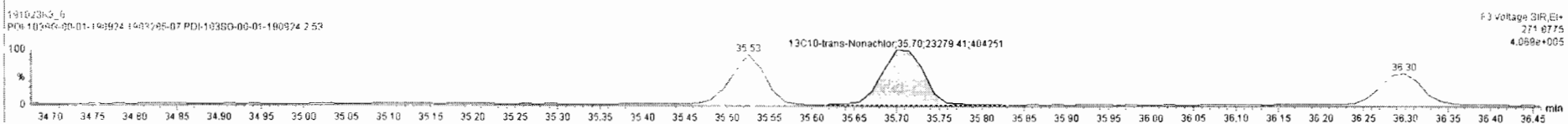
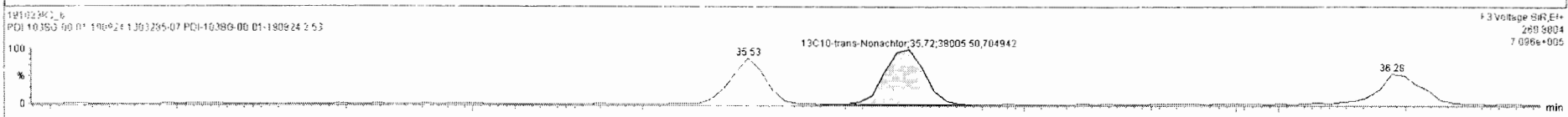
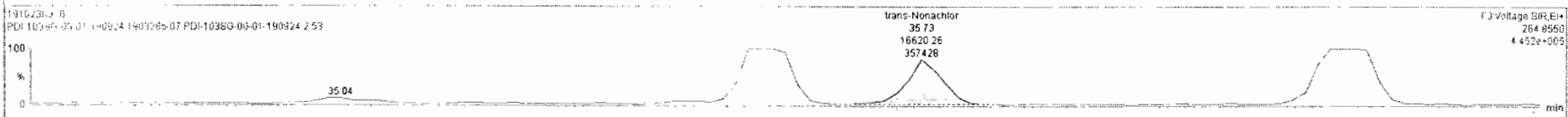
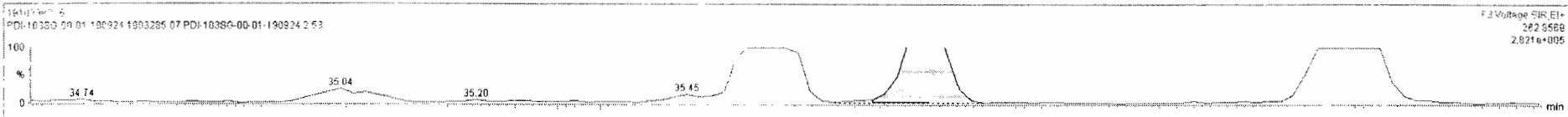
#	Name	Resp	IS Resp	IS#	RA	only	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	11 cis-Heptachlor Epoxide	2.62e3	6.97e4	42	1.92	NO	0.5366	1.128	34.63	34.62	1.000	1.001	NO	38.3	15.2	38.3	
12	12 trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178	59.7	178	
13	13 trans-Chlordane (gamma)	1.20e5	4.55e4	43	1.56	NO	0.9904	1.128	35.55	35.54	1.000	1.001	NO	2390	25.2	2390	
14	14 trans-Nonachlor	4.33e4	6.15e4	44	1.54	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	693	22.8	693	
15	15 cis-Chlordane	1.22e5	6.15e4	44	1.60	NO	0.8938	1.128	36.23	36.22	1.014	1.014	NO	1960	22.9	1960	
16	16 Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES			36.1	
17	17 4,4'-DDE	1.25e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670	6.96	1670	
18	18 2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496	2.65	496	
19	19 4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170	3.96	5170	
20	20 Dieldrin	2.05e4	1.04e5	48	1.41	NO	0.9273	1.128	37.77	37.78	1.001	1.000	NO	187	17.8	187	
21	21 Endrin		4.59e4	49		NO	0.9078	1.128	39.15			1.000	YES			36.1	
22	22 cis-Nonachlor	8.49e3	4.87e4	50	1.20	NO	0.9134	1.128	39.45	39.46	1.000	1.000	NO	169	34.1	169	
23	23 Endosulfan II (beta)	8.29e2	1.55e4	51		NO	1.0289	1.128	40.17	40.18	1.000	1.000	NO	46.2	91.2	0.000	
24	24 2,4'-DDD	1.67e5	2.58e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200	29.4	6200	
25	25 2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8545	1.128	39.53	39.53	1.000	1.000	NO	222	13.2	222	
26	26 4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.57	39.66	1.000	1.000	NO	18100	10.8	18100	
27	27 4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050	13.3	1050	
28	28 Endosulfan Sulfate	2.04e3	1.50e4	56	1.32	NO	0.8958	1.128	41.88	41.89	1.000	1.000	NO	135	170	135	
29	29 4,4'-Methoxychlor	1.18e5	4.47e6	57		NO	1.1019	1.128	43.76	43.83	1.002	1.000	NO	212	99.7	0.000	



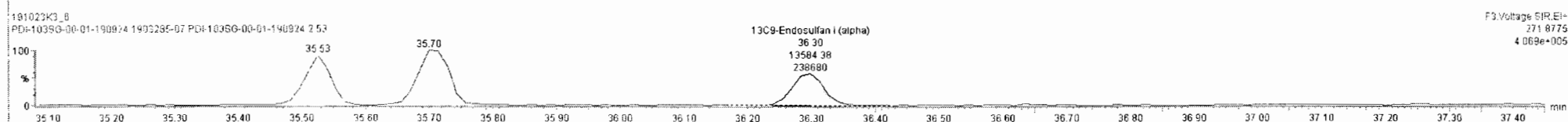
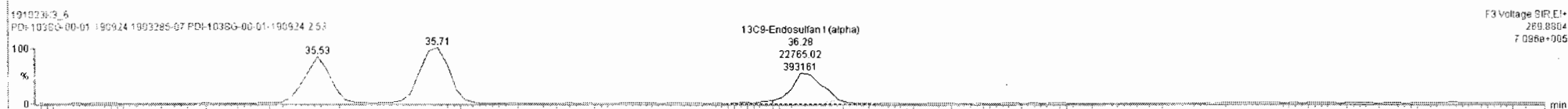
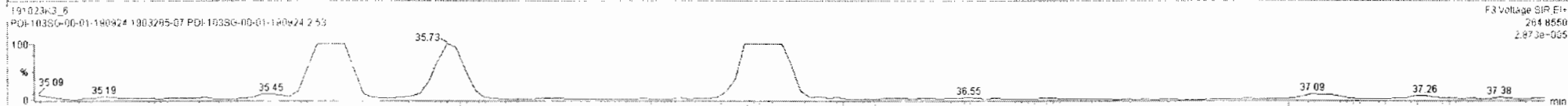
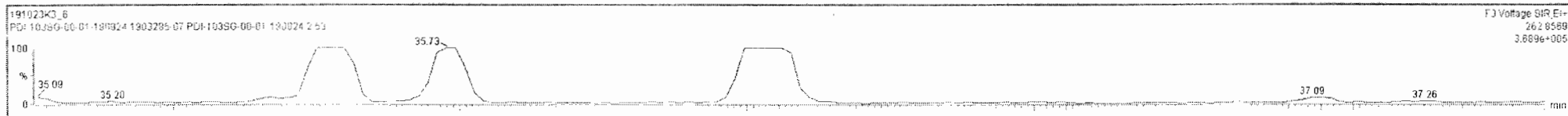
#	Name	Resp	IS Resp	Cal	RA	Qty	RRF	wVvol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	11 cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	12 trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	13 trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	14 trans-Nonachlor	4.33e4	6.15e4	44	1.54	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	693		22.8	693
15	15 cis-Chlordane	1.22e5	6.15e4	44	1.60	NO	0.8986	1.128	36.23	36.22	1.014	1.014	NO	1960		22.9	1960
16	16 Endosulfan I (alpha)	3.63e4		45		NO	1.0348	1.128	36.31			1.001	YES				36.1
17	17 4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	18 2,4'-DOE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	19 4,4'-DOE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	20 Dieldrin	2.05e4	1.04e5	48	1.41	NO	0.6273	1.128	37.77	37.78	1.001	1.000	NO	187		17.8	187
21	21 Endrin		4.59e4	49		NO	0.9018	1.128	39.16			1.000	YES				36.1
22	22 cis-Nonachlor	8.49e3	4.87e4	50	1.20	NO	0.9134	1.128	39.45	39.46	1.000	1.000	NO	169		34.1	169
23	23 Endosulfan II (beta)	8.29e2	1.55e4	51		NO	1.0280	1.128	40.17	40.16	1.000	1.000	NO	46.2		91.2	0.000
24	24 2,4'-DDO	1.67e6	2.68e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	25 2,4'-DDT	1.36e5	6.01e5	53	1.62	NO	0.8845	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	26 4,4'-DDO	1.15e7	5.95e5	54	1.54	NO	0.8710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	27 4,4'-DDT	5.74e5	4.98e5	55	1.54	NO	0.9736	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050
28	28 Endosulfan Sulfate	2.04e3	1.50e4	56	1.32	NO	0.8956	1.128	41.88	41.89	1.000	1.000	NO	135		170	135
29	29 4,4'-Methoxychlor	1.18e5	4.47e6	57		NO	1.1019	1.128	43.76	43.83	1.002	1.000	NO	212		99.7	0.000



#	Name	Resp	IS Resp	IS#	RA	inly	RRF	wt/Vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	co-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.126	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.126	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9804	1.126	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.126	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8898	1.126	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.126	36.31			1.001	YES				36.1
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.126	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.126	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.126	37.34	37.33	1.000	1.000	NO	5170		3.98	5170
20	Dieldrin	2.05e4	1.04e5	48	1.41	NO	0.9273	1.126	37.77	37.78	1.001	1.000	NO	187		17.8	187
21	Endr		4.59e4	49		NO	0.9018	1.126	39.16			1.000	YES				36.1
22	cis-Nonachlor	8.49e3	4.87e4	50	1.20	NO	0.9134	1.126	39.45	39.46	1.000	1.000	NO	169		34.1	169
23	Endosulfan (beta)	8.29e2	1.55e4	51		NO	1.0280	1.126	40.17	40.18	1.000	1.000	NO	46.2		91.2	0.000
24	2,4'-DDT	1.87e6	2.88e5	52	1.59	NO	0.8901	1.126	39.40	39.42	1.000	1.000	NO	6200		29.4	6200
25	2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.126	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.126	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	4,4'-DDT	5.74e5	4.98e5	55	1.54	NO	0.9738	1.126	40.72	40.72	1.000	1.000	NO	1050		13.3	1050
28	Endosulfan Sulfate	2.04e3	1.50e4	56	1.32	NO	0.8958	1.126	41.88	41.89	1.000	1.000	NO	135		170	135
29	4,4'-Methoxychlor	1.18e5	4.47e6	57		NO	1.1019	1.126	43.78	43.83	1.002	1.000	NO	212		99.7	0.000



#	Name	Resp	IS Resp	IS#	RA	r/y	RRF	wt/Vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	11 cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	12 trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		58.7	178
13	13 trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9904	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	14 trans-Nonachlor	4.26e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	15 cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8988	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	16 Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.21			1.001	YES			36.4	
17	17 4,4'-DDMU	1.26e5	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	18 2,4'-DDE	5.45e5	1.29e6	46	1.27	NO	0.7575	1.128	36.25	36.26	1.000	1.000	NO	496		2.65	496
19	19 4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	20 Dieldrin	2.05e4	1.04e5	48	1.41	NO	0.9273	1.128	37.77	37.78	1.001	1.000	NO	167		17.8	167
21	21 Endrin		4.59e4	49		NO	0.9018	1.128	39.16			1.000	YES			36.1	
22	22 cis-Nonachlor	6.49e3	4.67e4	50	1.20	NO	0.9134	1.128	33.45	39.46	1.000	1.000	NO	163		34.1	163
23	23 Endosulfan II (beta)	8.29e2	1.55e4	51		NO	1.0280	1.128	40.17	40.18	1.000	1.000	NO	46.2		91.2	0.000
24	24 2,4'-DDD	1.67e6	2.68e5	52	1.59	NO	0.6901	1.128	36.40	36.42	1.000	1.000	NO	6200		29.4	6200
25	25 2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	26 4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	27 4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050
28	28 Endosulfan Sulfate	2.04e3	1.50e4	56	1.37	NO	0.8956	1.128	41.89	41.89	1.000	1.000	NO	136		170	135
29	29 4,4'-Methoxychlor	1.18e5	4.47e6	57		NO	1.1019	1.128	43.76	43.83	1.002	1.000	NO	212		99.7	0.000



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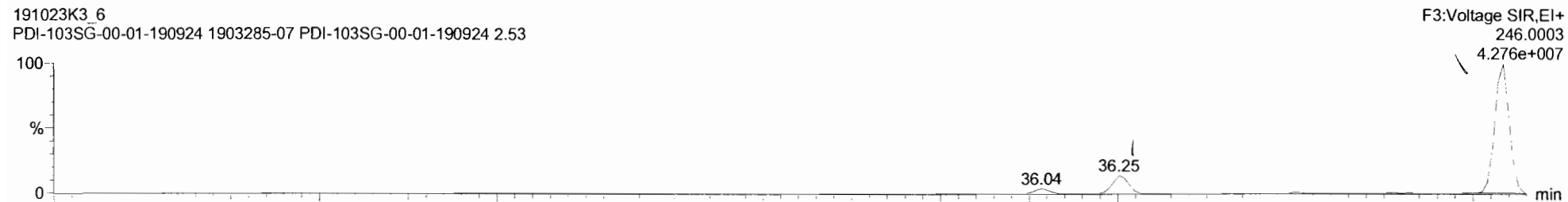
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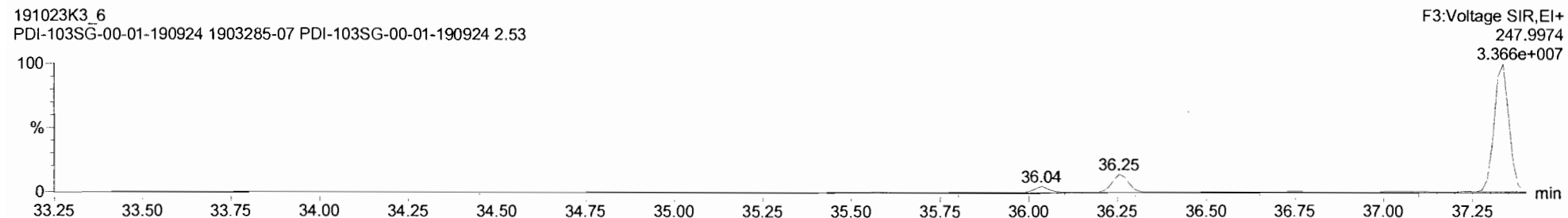
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DDMU-DDE

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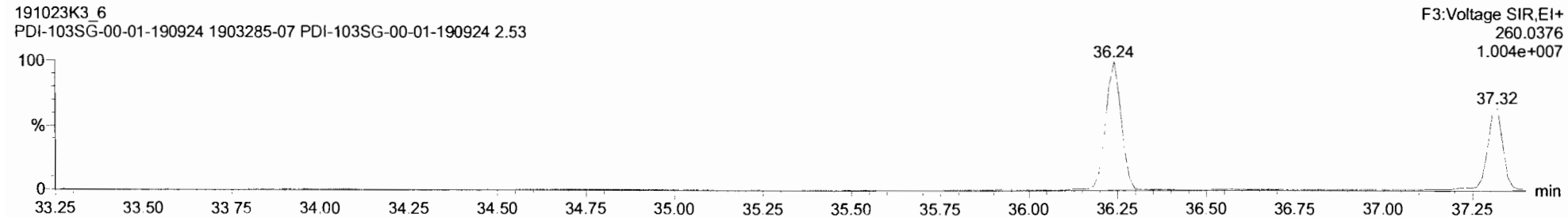


DDE-isotopes

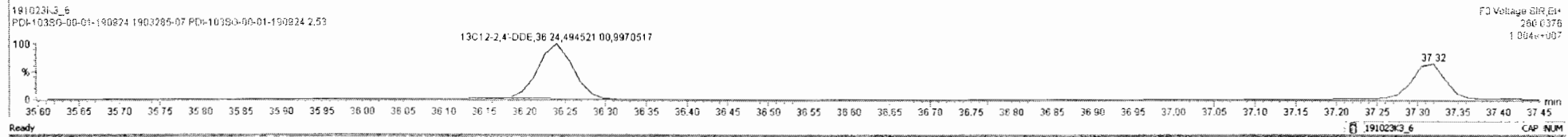
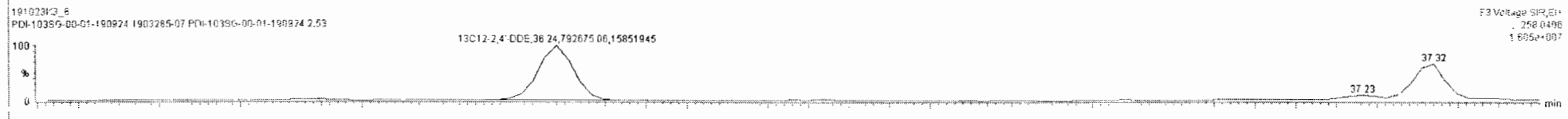
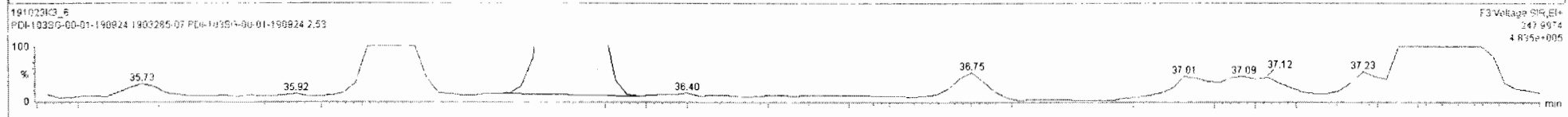
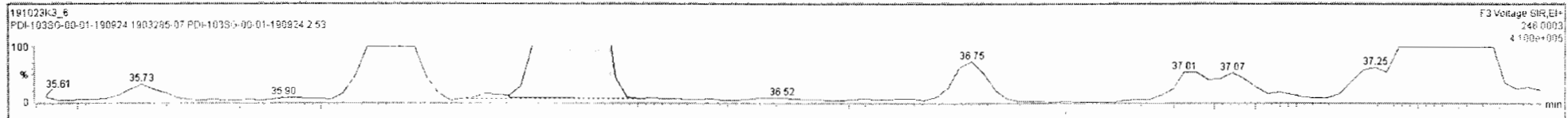
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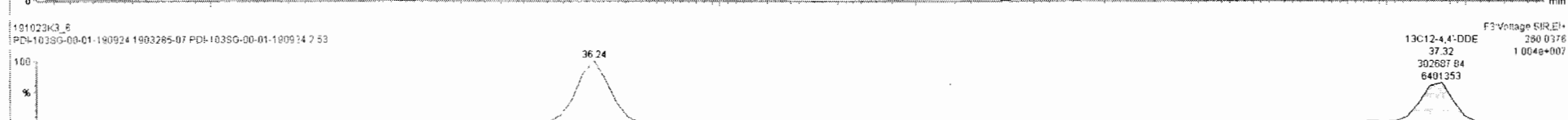
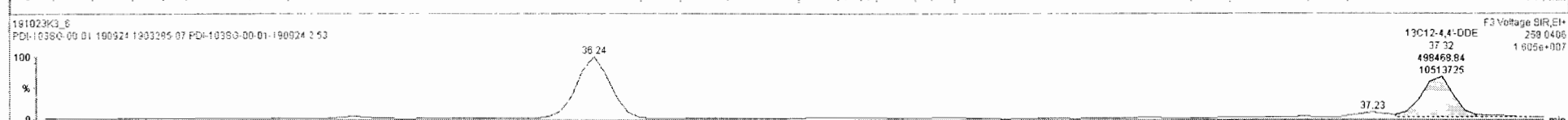
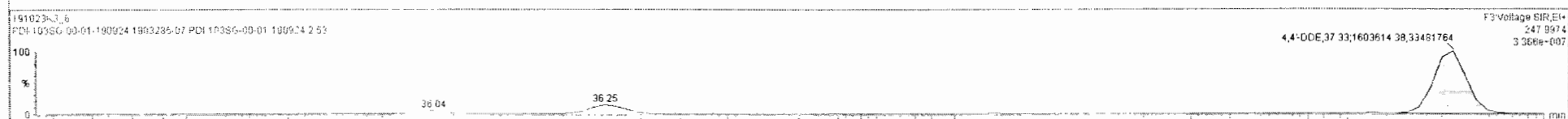
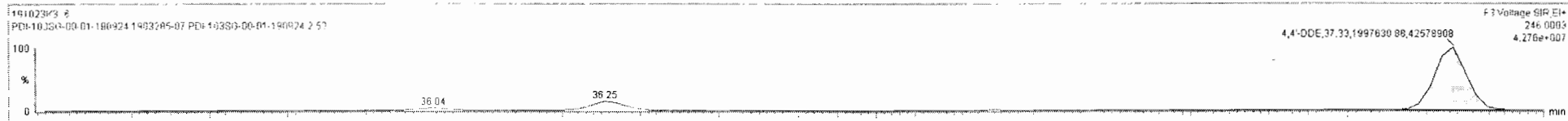
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#	Name	Resp	IS Resp	IS#	RA	Int	RRF	WtAvl	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	11 cis-Hexachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	12 trans-Hexachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	13 trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9604	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	14 trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	15 cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.6908	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	16 Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES				36.1
17	17 4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	18 2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7475	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	19 4,4'-DDE	3.60e6	6.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	20 Dieldrin	2.05e4	1.04e5	48	1.41	NO	0.9273	1.128	37.77	37.78	1.001	1.000	NO	187		17.6	187
21	21 Endrin	4.59e4	48		NO	0.9019	1.128	39.16			1.000	YES					36.1
22	22 cis-Nonachlor	8.49e3	4.87e4	50	1.20	NO	0.9134	1.128	39.45	39.46	1.000	1.000	NO	168		34.1	168
23	23 Endosulfan II (beta)	8.29e2	1.55e4	51		NO	1.0260	1.128	40.17	40.18	1.000	1.000	NO	46.2		91.2	0.000
24	24 2,4'-DDD	1.67e6	2.68e5	52	1.59	NO	0.6901	1.128	36.40	36.42	1.000	1.000	NO	6200		29.4	6200
25	25 2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.6845	1.128	36.53	36.53	1.000	1.000	NO	222		13.2	222
26	26 4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	27 4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050
28	28 Endosulfan Sulfate	2.04e3	1.50e4	56	1.32	NO	0.6958	1.128	41.68	41.89	1.000	1.000	NO	135		170	135
29	29 4,4'-Methoxychlor	1.19e5	4.47e6	57		NO	1.1019	1.128	43.76	43.83	1.002	1.000	NO	212		997	0.000



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide	2.62e3	6.97e4	42	1.92	NO	0.9396	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9604	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	661		22.8	661
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8988	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	Endosulfan I (alpha)		3.53e4	45		NO	1.0348	1.128	36.31			1.001	YES			36.1	
17	4,4'-DDMU	1.26e6	1.29e6	45	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	4,4'-DDE	3.69e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.98	5170
20	Dieldrin	2.05e4	1.04e5	48	1.41	NO	0.9273	1.128	37.77	37.76	1.001	1.000	NO	187		17.8	187
21	Endrin		4.59e4	49		NO	0.9018	1.128	39.18			1.000	YES			36.1	
22	cis-Nonachlor	8.49e3	4.07e4	50	1.20	NO	0.9134	1.128	39.45	39.46	1.000	1.000	NO	169		34.1	169
23	Endosulfan II (beta)	8.29e2	1.55e4	51		NO	1.0280	1.128	40.17	40.18	1.000	1.000	NO	46.2		91.2	0.000
24	2,4'-DDD	1.67e6	2.68e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	2,4'-DDT	1.39e5	6.01e5	53	1.62	NO	0.8645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050



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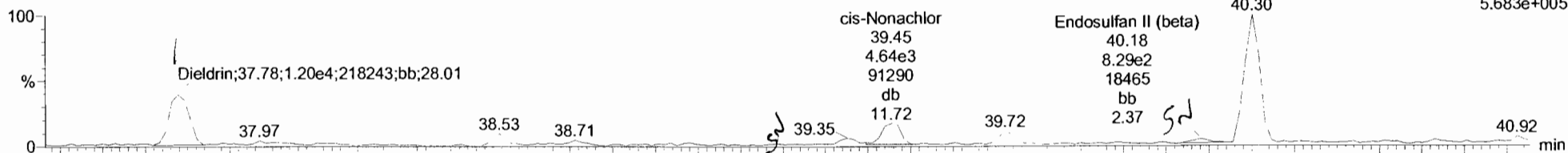
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Dieldrin-EII

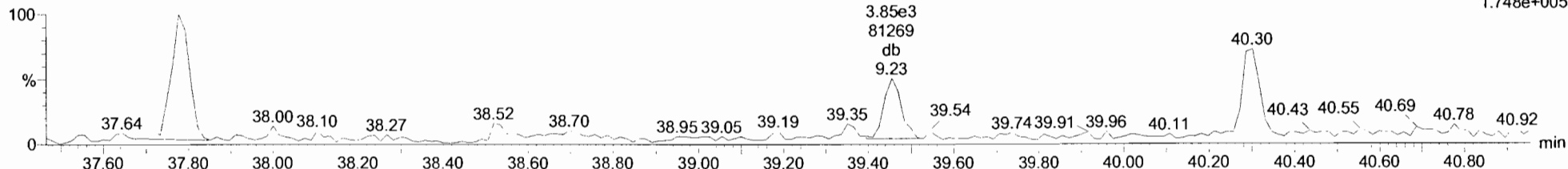
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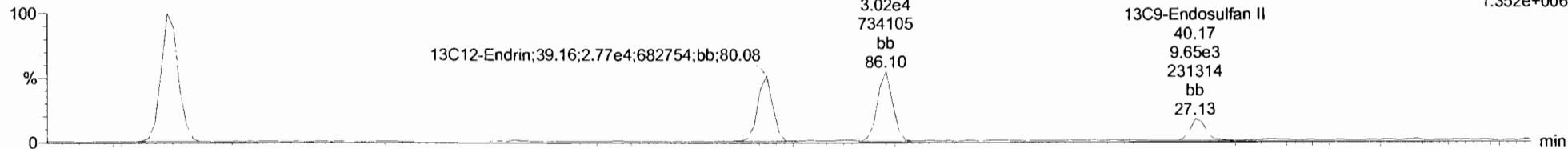
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1.748e+005



Dieldrin-EII-isotopes

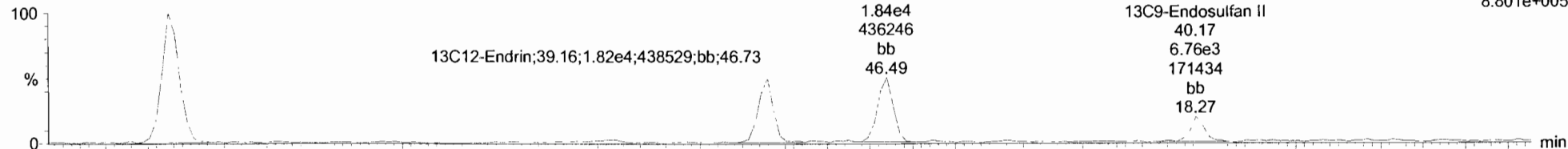
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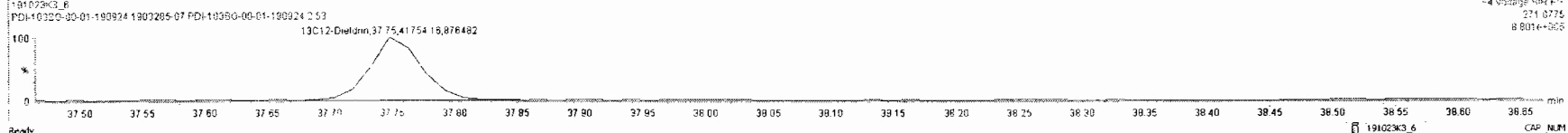
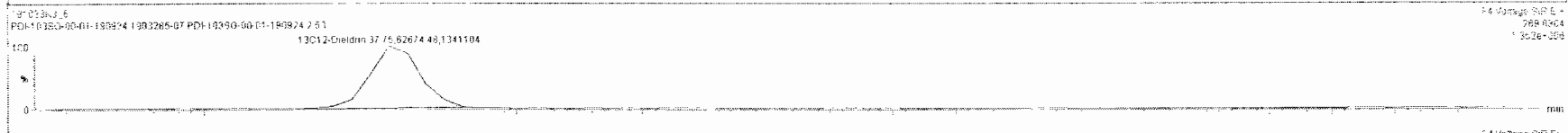
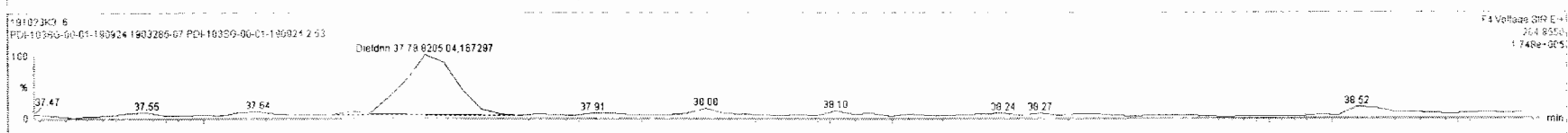
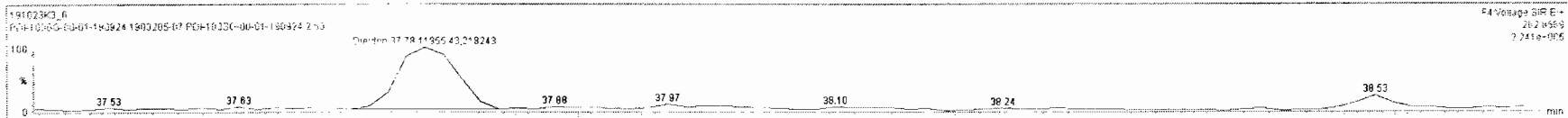


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F4:Voltage SIR,EI+
271.8775
8.801e+005

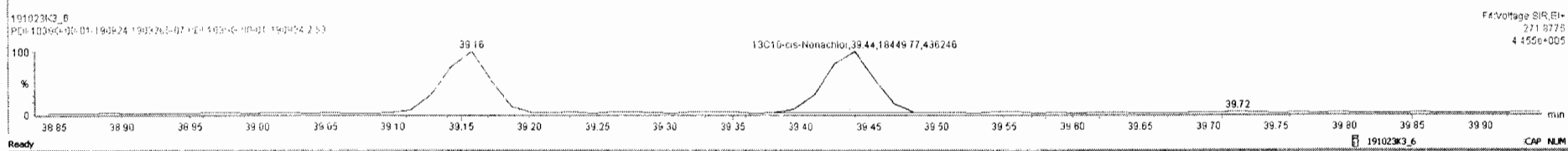
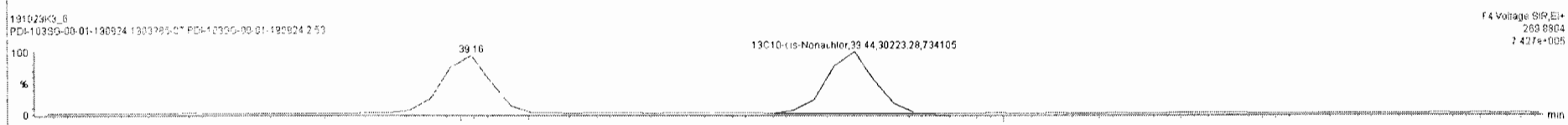
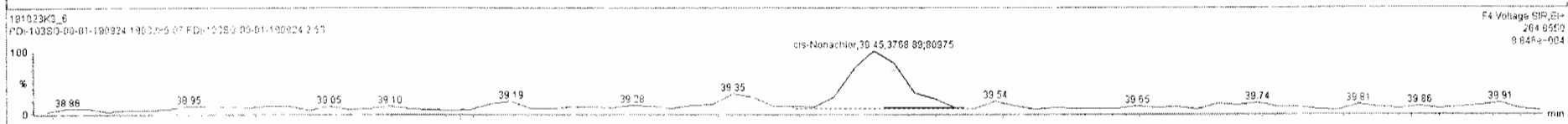
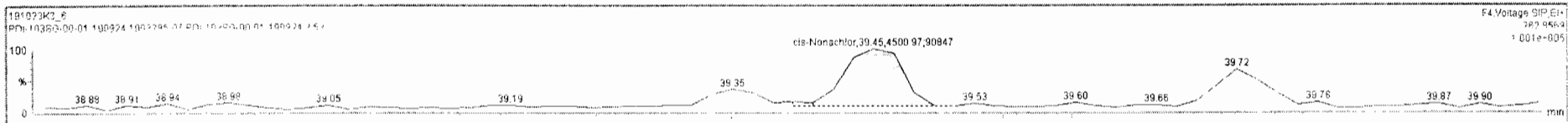


#	Name	Resp	IS Resp	IS#	RA	nY	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide	2.0263	6.9764	42	1.92	NO	0.9365	1.126	34.03	34.62	1.000	1.001	NO	39.3		15.2	36.3
12	trans-Heptachlor Epoxide	3.3363	6.9764	42	1.54	NO	0.2384	1.126	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	trans-Chlordane (gamma)	1.1865	4.5564	43	1.58	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2390		25.2	2350
14	trans-Nonachlor	4.2464	6.1364	44	1.55	NO	0.9021	1.120	35.74	35.73	1.000	1.001	NO	661		22.8	661
15	cis-Chlordane	1.2265	6.1364	44	1.60	NO	0.8983	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	Endosulfan (alpha)		3.6364	45		NO	1.0348	1.126	36.31			1.001	YES			36.1	
17	4,4'-DDMU	1.2666	1.2566	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.4365	1.2566	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	4,4'-DDE	3.9068	8.0165	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	Dieldrin	2.0364	1.0465	48	1.46	NO	0.9273	1.128	37.77	37.76	1.001	1.000	NO	185		17.8	185
21	Endrin		4.5964	49		NO	0.9018	1.128	39.16			1.000	YES			36.1	
22	cis-Nonachlor	8.4963	4.8764	50	1.20	NO	0.9134	1.128	39.45	39.46	1.000	1.000	NO	169		34.1	169
23	Endosulfan II (beta)	8.2962	1.5564	51		NO	1.0260	1.128	40.17	40.18	1.000	1.000	NO	46.2		91.2	0.000
24	2,4'-DDD	1.6766	2.6865	52	1.59	NO	0.6901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	2,4'-DDT	1.3065	6.0165	53	1.62	NO	0.6645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	4,4'-DDD	1.1867	5.9565	54	1.54	NO	0.9710	1.126	39.67	39.66	1.000	1.000	NO	10100		10.6	10100
27	4,4'-DDT	5.7465	4.9565	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050



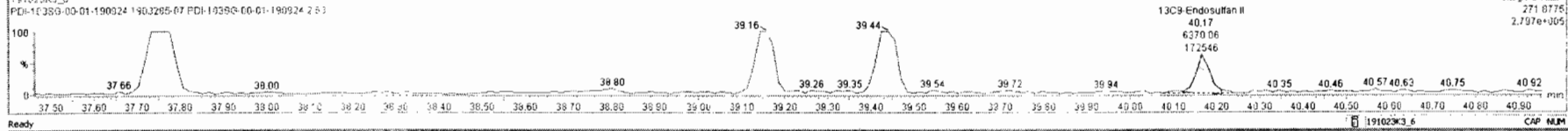
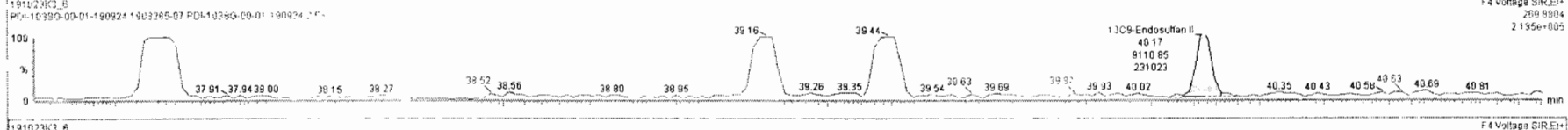
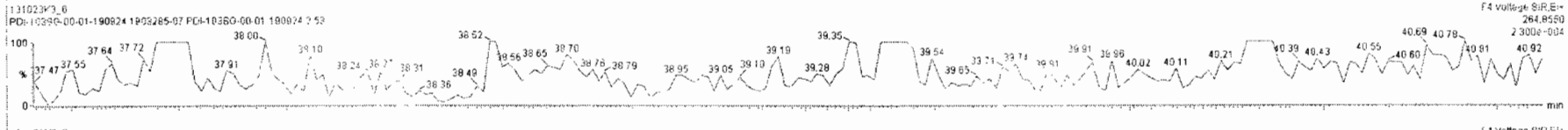
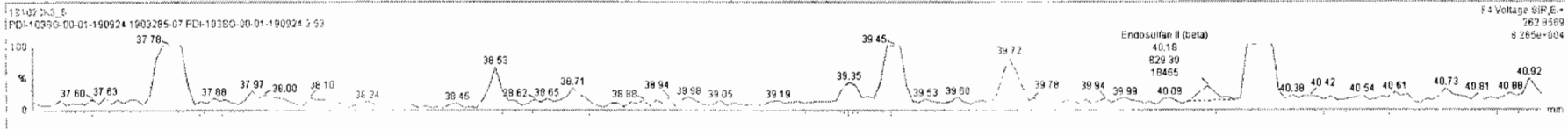
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#	Name	Resp	IS Resp	IS#	RA	Int	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.83	34.62	1.000	1.001	NO	38.3	15.2	38.3	
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178	59.7	178	
13	trans-Chlordane (gemma)	1.19e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350	25.2	2350	
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681	22.8	681	
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8988	1.128	36.23	36.22	1.014	1.014	NO	1970	22.9	1970	
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES			36.1	
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670	6.96	1670	
18	2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494	2.65	494	
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170	3.96	5170	
20	Dieldrin	2.02e4	1.04e5	48	1.46	NO	0.8273	1.128	37.77	37.78	1.001	1.000	NO	185	17.8	185	
21	Endrin		4.59e4	49		NO	0.9318	1.128	39.16			1.000	YES			36.1	
22	cis-Nonachlor	8.27e3	4.87e4	50	1.19	NO	0.9134	1.128	39.45	39.45	1.000	1.000	NO	185	34.1	165	
23	Endosulfan II (beta)	8.29e2	1.55e4	51		NO	1.0050	1.128	40.17	40.18	1.000	1.000	NO	46.2	91.2	0.000	
24	2,4'-DDD	1.67e6	2.68e5	52	1.69	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200	29.4	6200	
25	2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.128	38.53	38.53	1.000	1.000	NO	222	13.2	222	
26	4,4'-DDD	1.16e7	5.35e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	19100	10.6	19100	
27	4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050	13.3	1050	



191023K3_6 - 1903285-07 PDI-1035G-00-01-190924 2 53 - PDI-1035G-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	nly	RRT	wt/col	PredRT	RT	RRT	PredRRT	Check RRT	Conc.	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3	15.2	36.3	
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178	59.7	176	
13	trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350	25.2	2350	
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681	22.8	681	
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8583	1.128	36.23	36.22	1.014	1.014	NO	1970	22.9	1970	
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31				1.001	YES		36.1	
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670	6.96	1670	
18	2,4'-DDE	5.43e5	1.29e6	46	1.36	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494	2.65	494	
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170	3.96	5170	
20	Dieldrin	2.02e4	1.04e5	48	1.46	NO	0.9273	1.128	37.77	37.76	1.001	1.000	NO	185	17.8	185	
21	Erdrin		4.59e4	49		NO	0.9018	1.128	38.16				1.000	YES		38.1	
22	cis-Nonachlor	8.27e3	4.87e4	50	1.19	NO	0.9134	1.128	39.45	39.45	1.000	1.000	NO	165	34.1	165	
23	Endosulfan II (beta)		3.55e4	51		NO	1.0260	1.128	40.17				1.000	NO		40.2	
24	2,4'-DDD	1.67e6	2.69e5	52	1.59	NO	0.9291	1.128	38.40	38.42	1.000	1.000	NO	5200	39.4	5200	
25	2,4'-DDT	1.39e5	6.01e5	53	1.62	NO	0.6645	1.128	39.53	39.53	1.000	1.000	NO	222	13.2	222	
26	4,4'-DDD	1.18e7	5.85e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100	10.8	18100	
27	4,4'-DDT	5.74e5	4.98e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050	13.3	1050	



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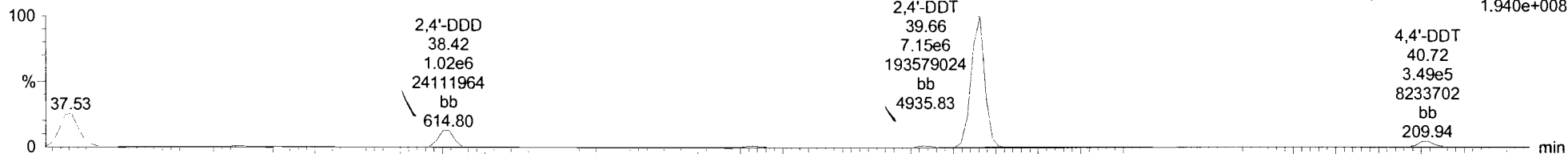
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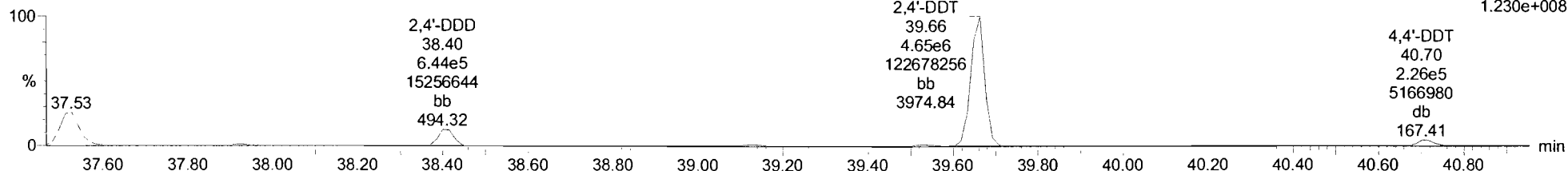
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1.940e+008



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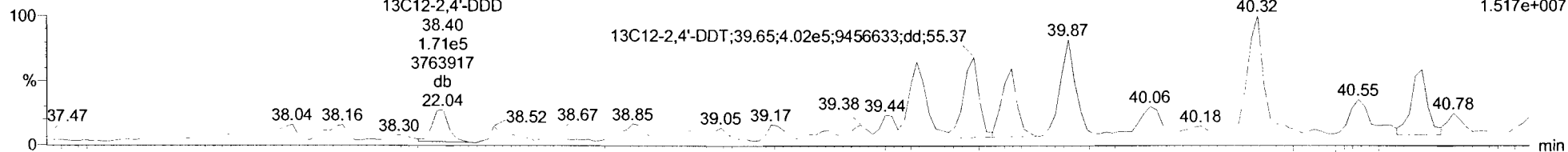
F4:Voltage SIR,EI+
237.0052
1.230e+008



DDD-DDT-isotopes

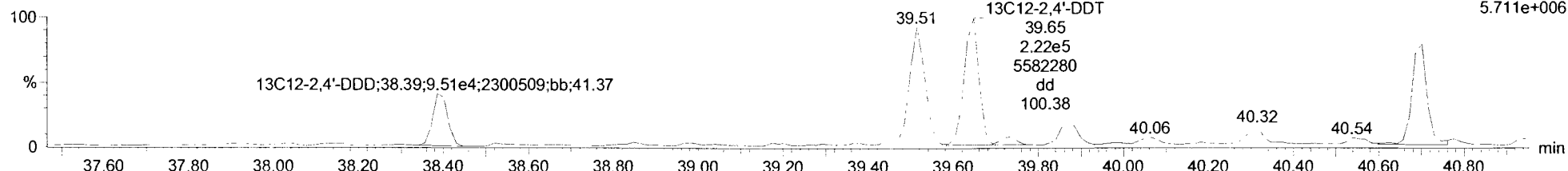
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F4:Voltage SIR,EI+
247.0484
1.517e+007



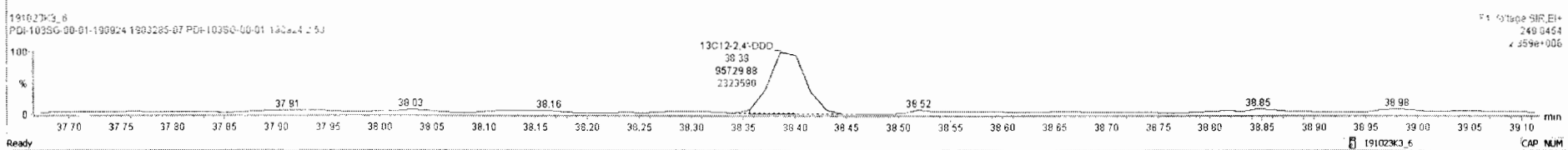
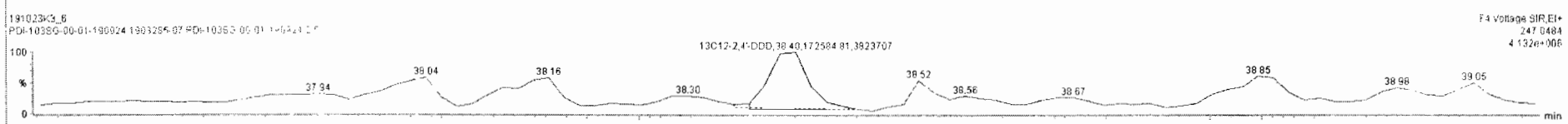
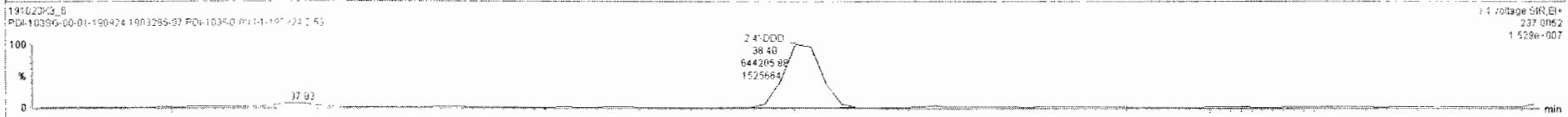
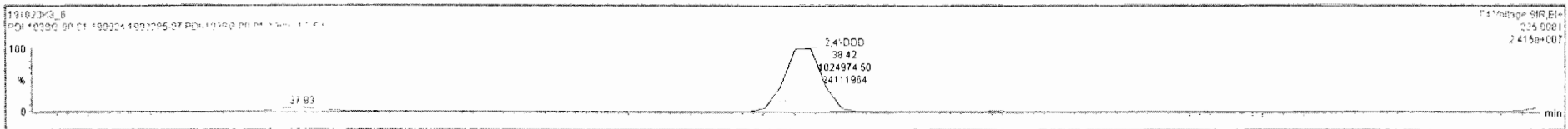
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F4:Voltage SIR,EI+
249.0454
5.711e+006

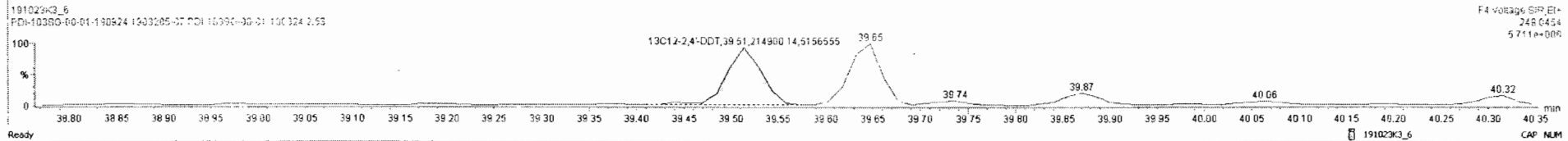
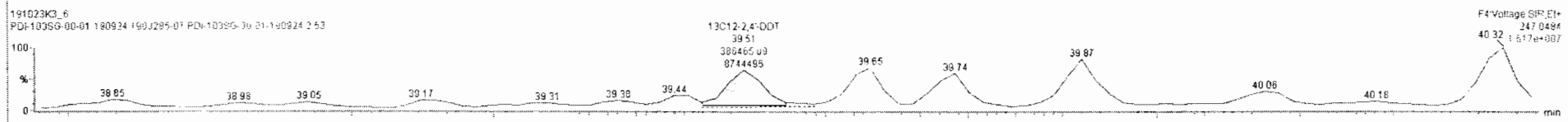
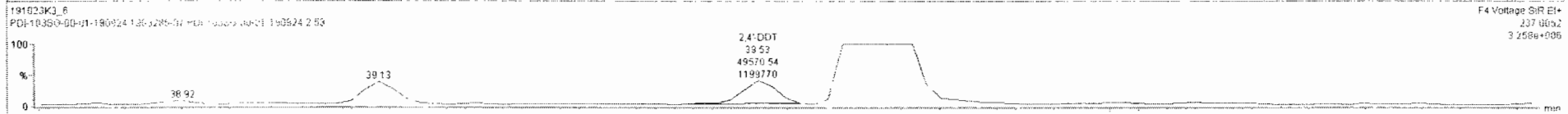
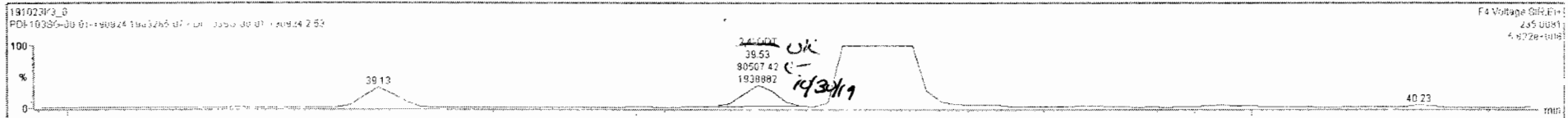


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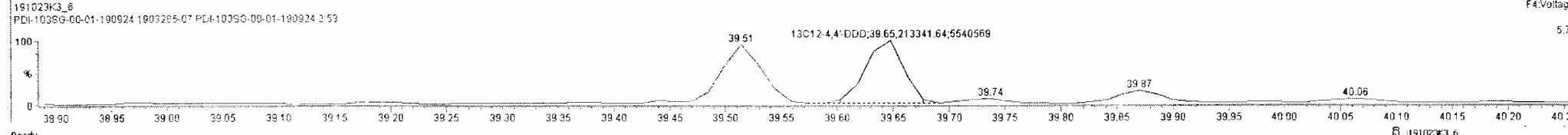
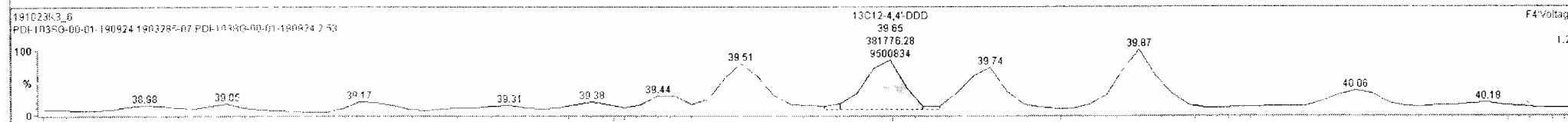
#	Name	Reg	IS Resp	SP	RA	n/y	RPF	wtVol	Pred RT	RT	-RRT-	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	11 cis-Heptachlor Epoxide	2.62e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	12 trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.94	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		58.7	178
13	13 trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	14 trans-Nonachlor	4.24e4	6.13e4	44	1.95	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	15 cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.6988	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	16 Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES				36.1
17	17 4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	18 2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	19 4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	20 Dieldrin	2.02e4	1.04e5	48	1.46	NO	0.9273	1.128	37.77	37.78	1.001	1.000	NO	185		17.8	185
21	21 Endrin		4.59e4	49		NO	0.9018	1.128	39.16			1.000	YES				36.1
22	22 cis-Nonachlor	8.27e3	4.87e4	50	1.19	NO	0.9134	1.128	39.45	39.45	1.000	1.000	NO	165		34.1	165
23	23 Endosulfan I (beta)		1.55e4	51		NO	1.0230	1.128	41.17			1.020	NO				91.2
24	24 2,4'-DDD	1.67e6	2.89e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	25 2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	26 4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	19100		10.8	19100
27	27 4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050



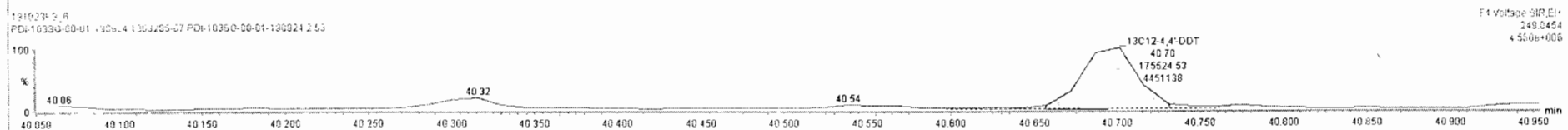
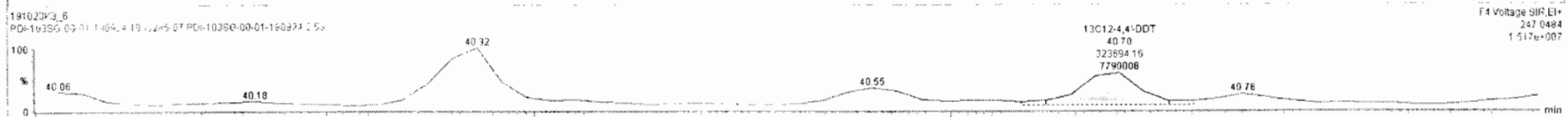
#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide	2.92e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8588	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES			36.1	
17	4,4'-DDMU	1.29e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	Desalin	2.02e4	1.04e5	48	1.46	NO	0.9273	1.128	37.77	37.78	1.001	1.000	NO	185		17.8	185
21	Endrin	4.59e4	4.59e4	49		NO	0.9018	1.128	39.16			1.000	YES			36.1	
22	cis-Nonachlor	6.27e3	4.87e4	50	1.19	NO	0.9134	1.128	39.45	39.45	1.000	1.000	NO	165		34.1	165
23	Endosulfan I (beta)		1.59e4	51		NO	1.0260	1.128	40.17			1.000	NO			91.2	
24	2,4'-DDD	1.67e6	2.66e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	4,4'-DDT	5.74e5	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.3	1050



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec.	DL	EMPC
11	cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2384	1.128	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.55	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8988	1.128	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	Endosulfan I (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES				36.1
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	Dieldrin	2.02e4	1.04e5	48	1.48	NO	0.9273	1.128	37.77	37.78	1.001	1.001	NO	185		17.8	185
21	Endrin		4.59e4	49		NO	0.9018	1.128	39.16			1.000	YES				38.1
22	cis-Nonachlor	0.27e3	4.87e4	50	1.19	NO	0.9134	1.128	39.45	39.45	1.000	1.000	NO	165		34.1	165
23	Endosulfan II (beta)		1.55e4	51		NO	1.0280	1.128	40.17			1.000	NO				31.2
24	2,4'-DDD	1.67e6	2.68e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	4,4'-DDT	5.74e6	4.99e5	55	1.54	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1050		13.2	1050



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
11	cis-Heptachlor Epoxide	2.82e3	6.97e4	42	1.92	NO	0.9366	1.128	34.63	34.62	1.000	1.001	NO	38.3		15.2	38.3
12	trans-Heptachlor Epoxide	3.33e3	6.97e4	42	1.54	NO	0.2394	1.128	35.13	35.07	1.013	1.015	NO	178		59.7	178
13	trans-Chlordane (gamma)	1.18e5	4.55e4	43	1.56	NO	0.9804	1.128	35.55	35.54	1.000	1.001	NO	2350		25.2	2350
14	trans-Nonachlor	4.24e4	6.13e4	44	1.55	NO	0.9021	1.128	35.74	35.73	1.000	1.001	NO	681		22.8	681
15	cis-Chlordane	1.22e5	6.13e4	44	1.60	NO	0.8988	1.126	36.23	36.22	1.014	1.014	NO	1970		22.9	1970
16	Endosulfan (alpha)		3.63e4	45		NO	1.0348	1.128	36.31			1.001	YES				36.1
17	4,4'-DDMU	1.26e6	1.29e6	46	3.23	NO	0.5214	1.128	36.03	36.04	0.994	0.994	NO	1670		6.96	1670
18	2,4'-DDE	5.43e5	1.29e6	46	1.26	NO	0.7575	1.128	36.25	36.25	1.000	1.000	NO	494		2.65	494
19	4,4'-DDE	3.60e6	8.01e5	47	1.25	NO	0.7713	1.128	37.34	37.33	1.000	1.000	NO	5170		3.96	5170
20	Dieldrin	2.02e4	1.04e5	48	1.46	NO	0.9273	1.128	37.77	37.78	1.001	1.000	NO	185		17.8	185
21	Endrin		4.59e4	49		NO	0.9018	1.128	39.16			1.000	YES				36.1
22	cis-Nonachlor	8.27e3	4.87e4	50	1.19	NO	0.9134	1.128	39.45	39.45	1.000	1.000	NO	165		34.1	165
23	Endosulfan (beta)		1.55e4	51		NO	1.0299	1.128	40.17			1.000	NO				39.2
24	2,4'-DDD	1.67e6	2.58e5	52	1.59	NO	0.8901	1.128	38.40	38.42	1.000	1.000	NO	6200		29.4	6200
25	2,4'-DDT	1.30e5	6.01e5	53	1.62	NO	0.8645	1.128	39.53	39.53	1.000	1.000	NO	222		13.2	222
26	4,4'-DDD	1.18e7	5.95e5	54	1.54	NO	0.9710	1.128	39.67	39.66	1.000	1.000	NO	18100		10.8	18100
27	4,4'-DDT	5.55e5	4.98e5	55	1.53	NO	0.9738	1.128	40.72	40.72	1.000	1.000	NO	1010		13.3	1010



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

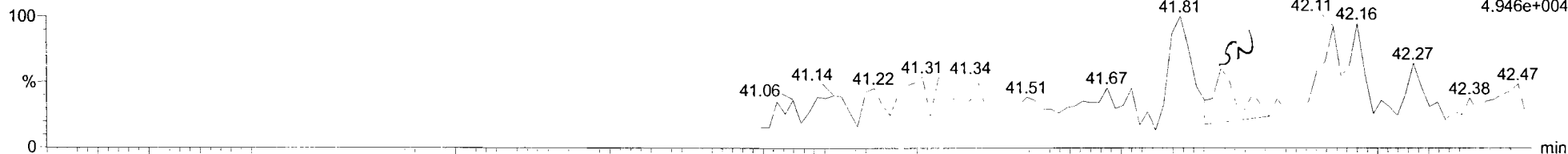
Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

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Endosulfan Sulfate

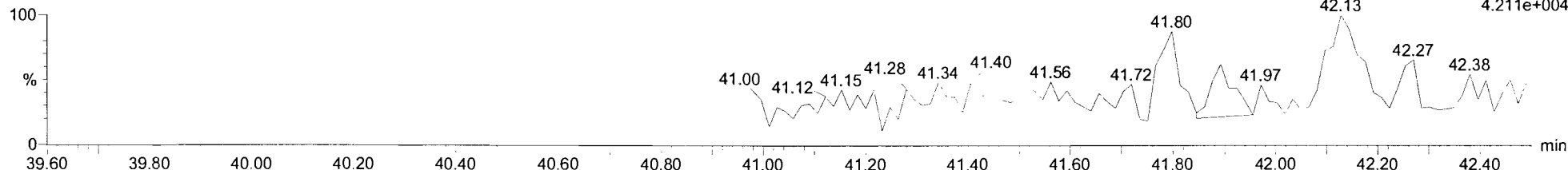
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PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F5:Voltage SIR,EI+
262.8569
4.946e+004



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

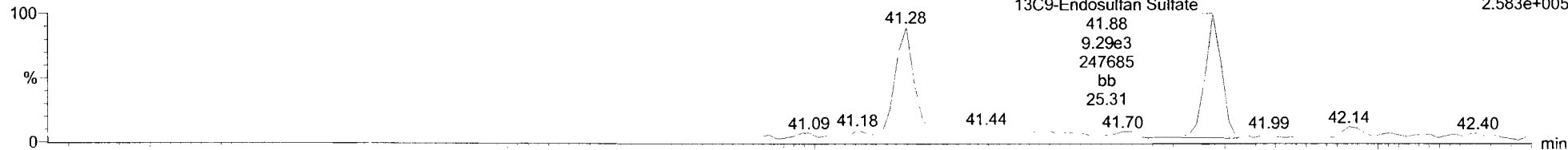
F5:Voltage SIR,EI+
264.8540
4.211e+004



13C9-Endosulfan Sulfate

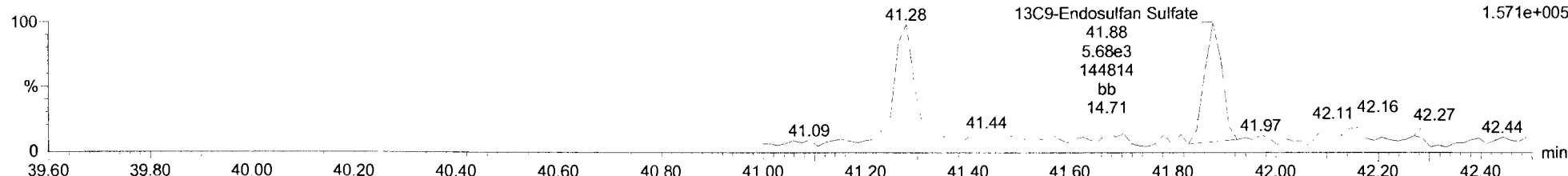
191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F5:Voltage SIR,EI+
269.8804
2.583e+005



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F5:Voltage SIR,EI+
271.8775
1.571e+005



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

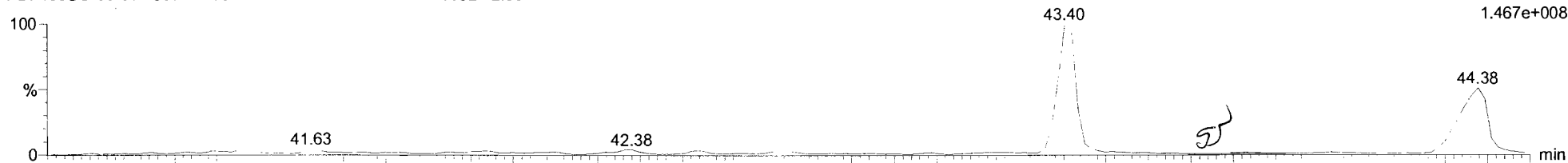
Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

4,4'-Methoxychlor

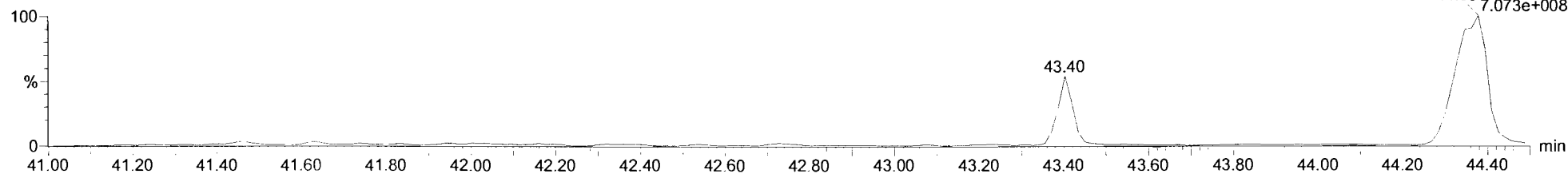
191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F5:Voltage SIR,EI+
227.1072
1.467e+008



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

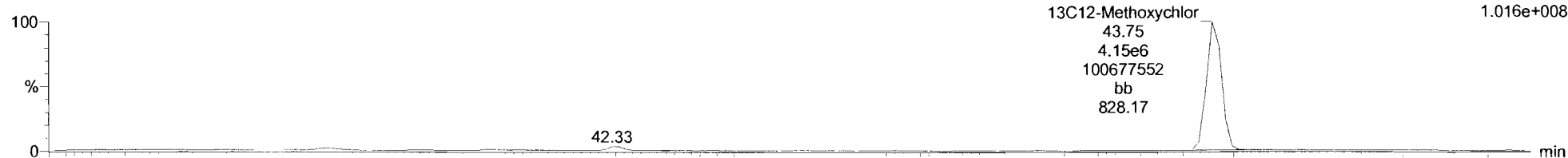
F5:Voltage SIR,EI+
228.1106
7.073e+008



13C12-Methoxychlor

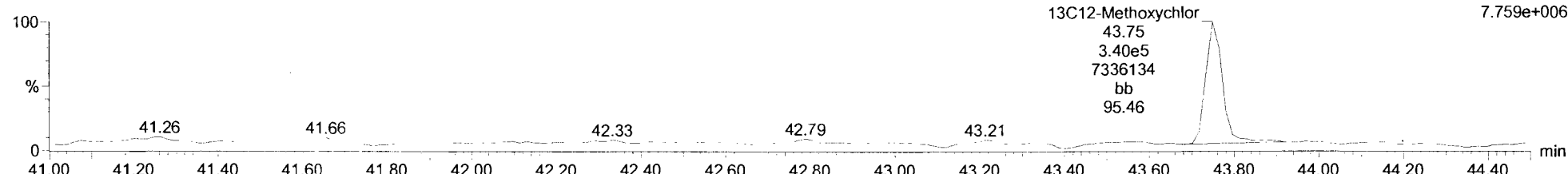
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PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F5:Voltage SIR,EI+
239.1475
1.016e+008

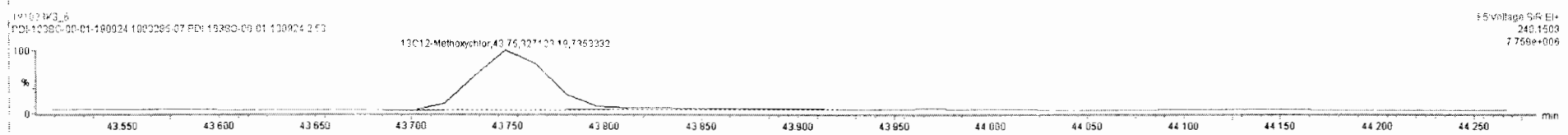
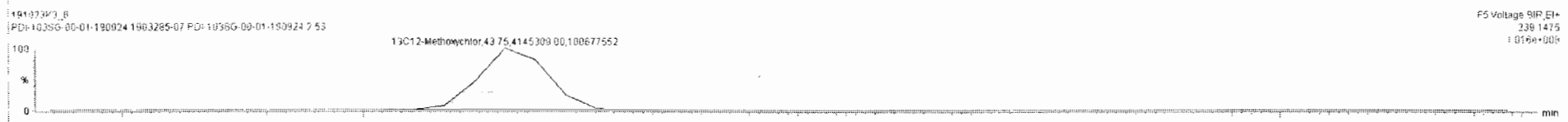
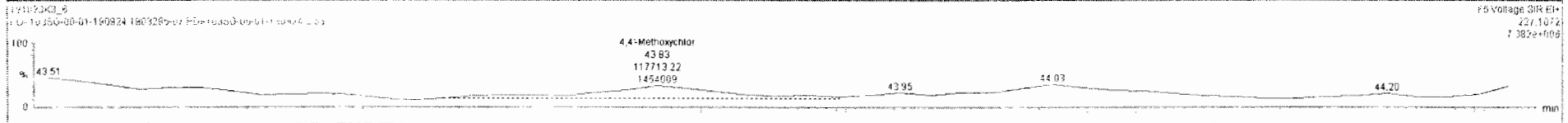


191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F5:Voltage SIR,EI+
240.1508
7.759e+006



#	Name	Resp	IS Resp	IS#	RA	rvf	RPF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
29	4,4'-Methoxychlor	2.91e4	4.47e6	57	0.53	NO	1.1019	13.26	43.76	44.38	1.001	1.000	NO	234		997	
30	Mirex	3.86e3	2.19e5	59	0.13	YES	0.8698	1.128	41.30	41.34	1.002	1.000	NO	163		149	0.000
31	Endrin Aldehyde	2.87e4	3.07e5	60	0.13	YES	0.8673	1.128	44.49	44.50	1.000	1.000	NO	955		183	292
32	Endrin Ketone	2.18e6	2.43e6	62	1.27	NO	0.1473	1.128	10.36	10.34	0.990	0.991	NO	5400	60.9	1.49	
33	13C4-Hexachlorobutadiene	1.44e6	2.43e6	62	1.28	NO	0.7104	1.128	23.14	23.14	0.973	0.973	NO	739	83.3	0.216	
34	13C6-Hexachlorobenzene	5.38e5	2.43e6	62	0.79	NO	0.2553	1.128	23.68	23.66	0.992	0.993	NO	768	86.6	4.32	
35	13C6-Alpha-BHC	4.31e5	2.43e6	62	0.79	NO	0.2155	1.128	27.02	27.00	1.016	1.019	NO	728	62.1	5.12	
36	13C6-Lindane (gamma)	2.85e5	2.43e6	62	0.80	NO	0.1622	1.128	29.07	29.06	1.096	1.096	NO	598	67.4	6.80	
37	13C6-Beta-BHC	3.12e5	2.43e6	62	0.78	NO	0.1846	1.128	30.74	30.71	1.150	1.159	NO	615	69.4	5.97	
38	13C6-Delta-BHC	2.88e5	2.43e6	62	1.32	NO	0.1777	1.128	29.15	29.15	1.099	1.099	NO	591	66.6	2.17	
39	13C10-Heptachlor	1.30e5	2.43e6	62	1.68	NO	0.1862	1.128	31.30	31.24	1.176	1.180	NO	254	28.7	4.16	
40	13C12-Aldrin	4.17e4	2.43e6	62	1.43	NO	0.4489	1.128	33.88	33.82	1.275	1.276	NO	305	34.4	15.5	
41	13C10-Oxychlorane	6.97e4	2.43e6	62	1.62	NO	0.6657	1.128	34.68	34.61	1.305	1.308	NO	386	43.5	11.8	
42	13C10-cis-Heptachlor Epo	4.55e4	2.43e6	62	1.62	NO	0.0525	1.128	35.58	35.53	1.340	1.342	NO	315	35.6	14.7	
43	13C10-trans-Chlordane (g)	6.13e4	2.43e6	62	1.63	NO	0.0587	1.128	35.77	35.72	1.347	1.349	NO	380	42.9	13.2	
44	13C10-trans-Nonachlor	3.63e4	2.43e6	62	1.68	NO	0.0343	1.128	36.37	36.29	1.368	1.372	NO	386	43.5	22.6	



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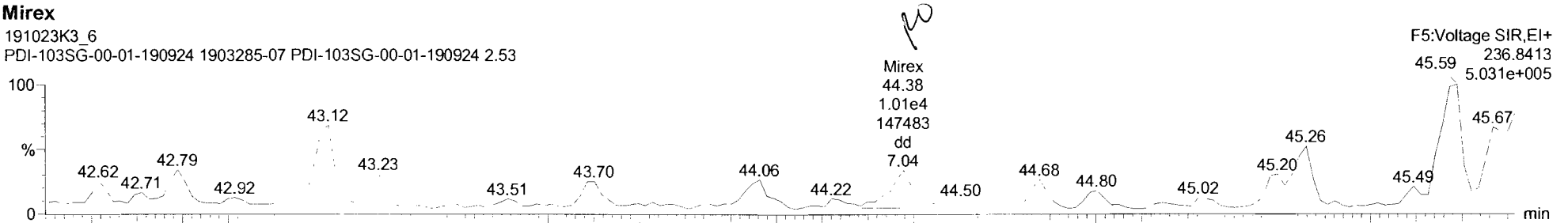
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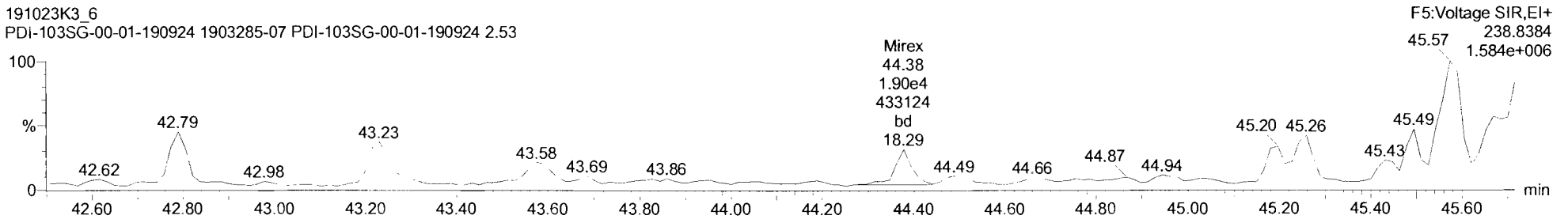
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Mirex

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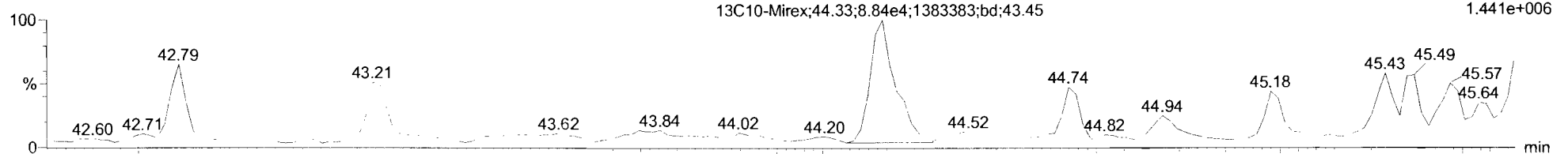


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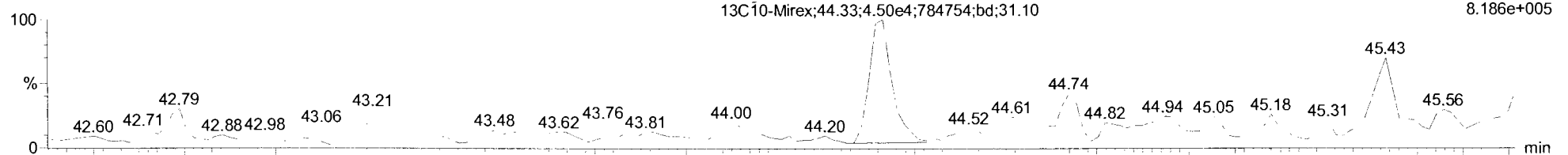


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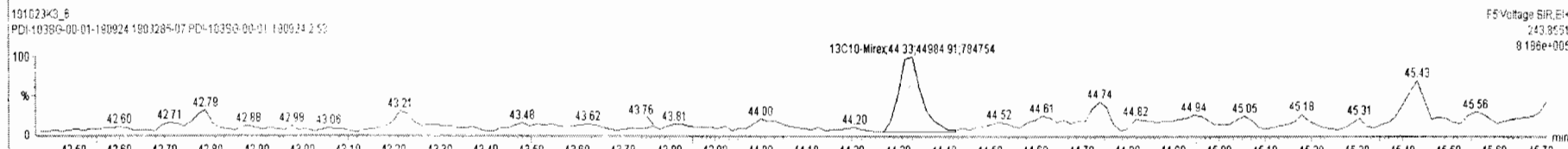
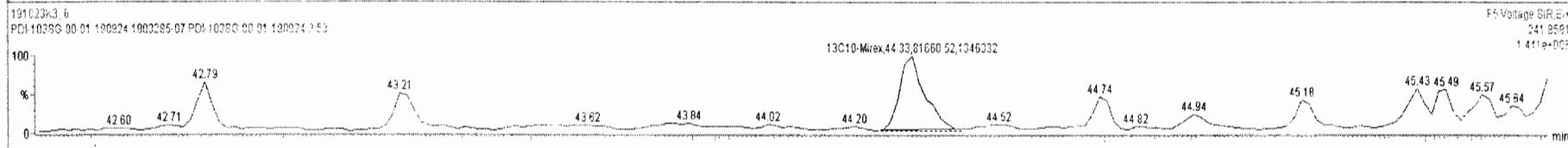
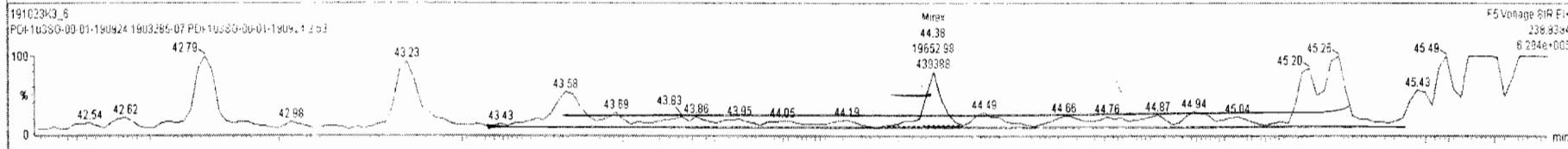
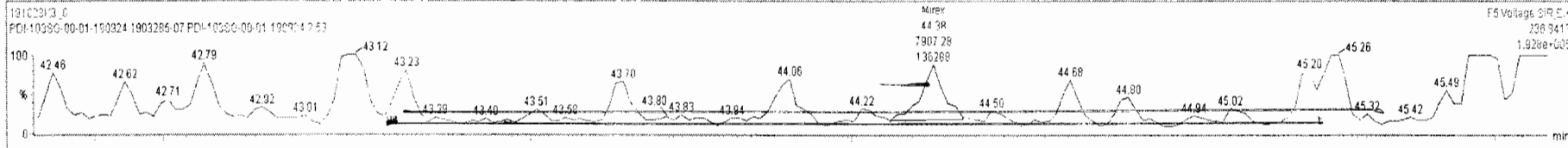
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191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53



#	Name	Resp	IS Resp	IS#	RA	rtly	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
28	23 4,4'-Methoxychlor		4.47e6	57		NO	1.1019	1.128	43.76			1.000	NO			997	
30	30 Mirex	2.76e4	1.27e5	58	0.40	YES	0.8898	1.128	44.35	44.38	1.001	1.000	NO	222		54.5	194
31	31 Endrin Aldehyde	3.88e3	2.19e5	59		NO	0.9625	1.128	41.30	41.34	1.002	1.000	NO	163		149	0.000
32	32 Endrin Ketone	2.87e4	3.07e5	60	0.13	YES	0.8673	1.128	44.49	44.50	1.000	1.000	NO	955		183	252
33	33 13C4-Hexachlorobutadiene	2.18e5	2.43e6	62	1.27	NO	0.1473	1.128	10.36	10.34	0.390	0.391	NO	5400	60.9	1.48	
34	34 13C6-Hexachlorobenzene	1.44e6	2.43e6	62	1.26	NO	0.7104	1.128	23.14	23.14	0.873	0.873	NO	739	83.3	0.216	
35	35 13C6-Alpha-BHC	5.38e5	2.43e6	62	0.79	NO	0.2553	1.128	23.68	23.66	0.892	0.893	NO	768	86.6	4.32	
36	36 13C6-Lindane (gamma)	4.31e5	2.43e6	62	0.79	NO	0.2155	1.128	27.02	27.00	1.018	1.019	NO	728	82.1	5.12	
37	37 13C6-Beta-BHC	2.66e5	2.43e6	62	0.80	NO	0.1622	1.128	29.07	29.06	1.096	1.096	NO	590	67.4	6.80	
38	38 13C6-Delta-BHC	3.12e5	2.43e6	62	0.78	NO	0.1946	1.128	30.74	30.71	1.158	1.159	NO	615	69.4	5.97	
39	39 13C10-Heptachlor	2.88e5	2.43e6	62	1.32	NO	0.1777	1.128	29.15	29.15	1.089	1.089	NO	591	66.8	2.17	
40	40 13C12-Aldrin	1.30e5	2.43e6	62	1.68	NO	0.1862	1.128	31.30	31.24	1.178	1.180	NO	254	26.7	4.16	
41	41 13C10-Oxydieldrin	4.17e4	2.43e6	62	1.49	NO	0.0499	1.128	33.88	33.62	1.275	1.276	NO	305	34.4	15.5	
42	42 13C10-cis-Heptachlor Epo	6.97e4	2.43e6	62	1.62	NO	0.0657	1.128	34.68	34.61	1.305	1.308	NO	396	43.5	11.8	
43	43 13C10-trans-Chlordane (g)	4.55e4	2.43e6	62	1.63	NO	0.0525	1.128	35.58	35.53	1.340	1.342	NO	315	35.6	14.7	
44	44 13C10-trans-Nonachlor	6.13e4	2.43e6	62	1.53	NO	0.0587	1.128	35.77	35.72	1.347	1.349	NO	380	42.9	13.2	
45	45 13C9-Endosulfon (alpha)	3.63e4	2.43e6	62	1.60	NO	0.0343	1.128	36.37	36.28	1.368	1.372	NO	396	43.5	22.6	



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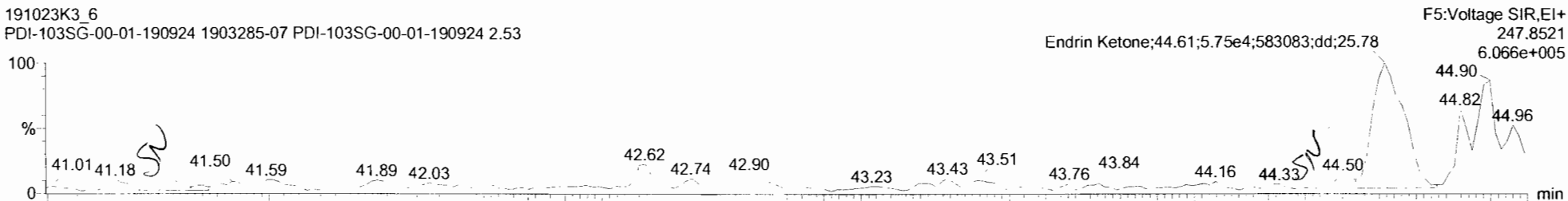
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Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

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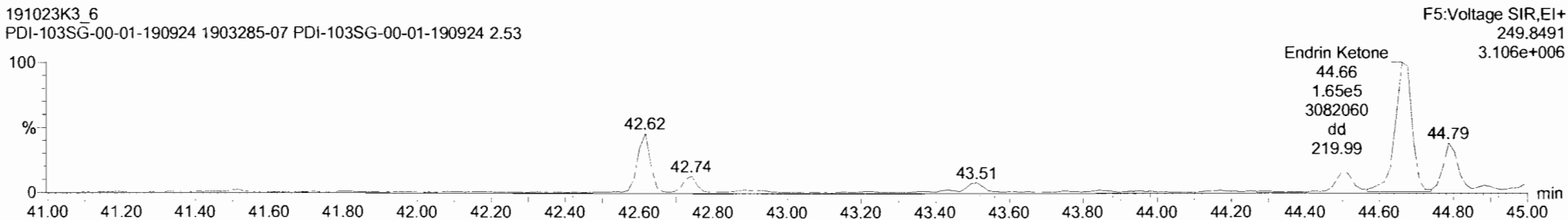
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191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53



F5:Voltage SIR,EI+
247.8521
6.066e+005

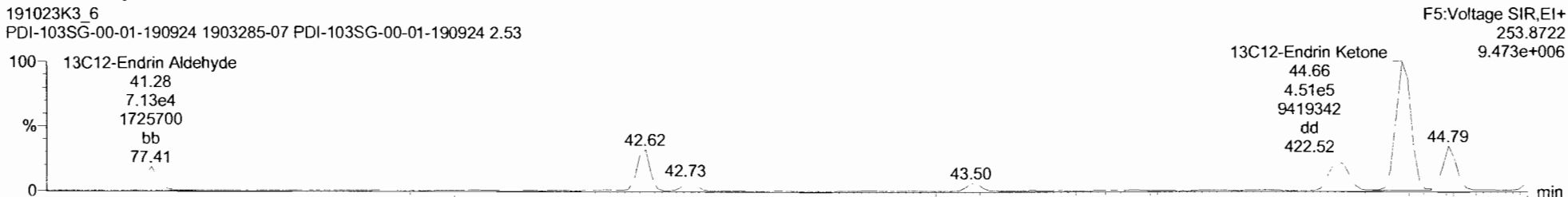
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F5:Voltage SIR,EI+
249.8491
3.106e+006

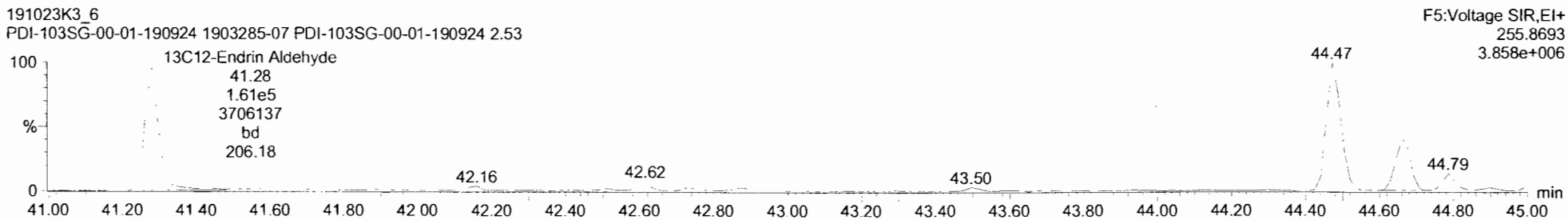
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191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53



F5:Voltage SIR,EI+
253.8722
9.473e+006

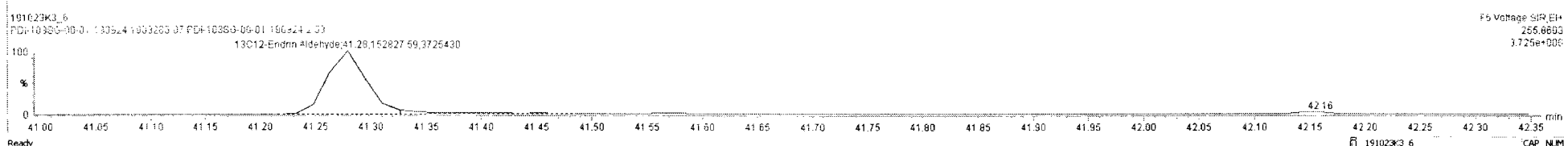
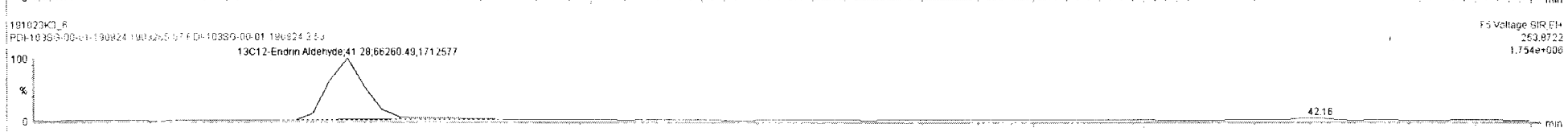
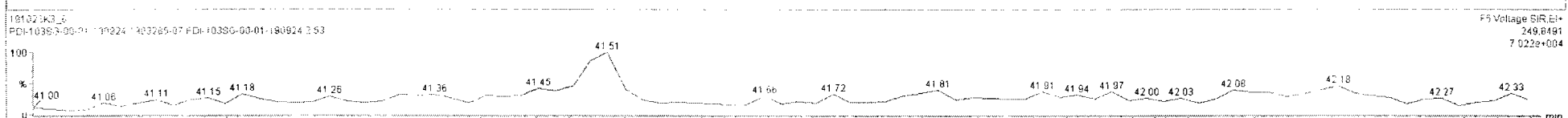
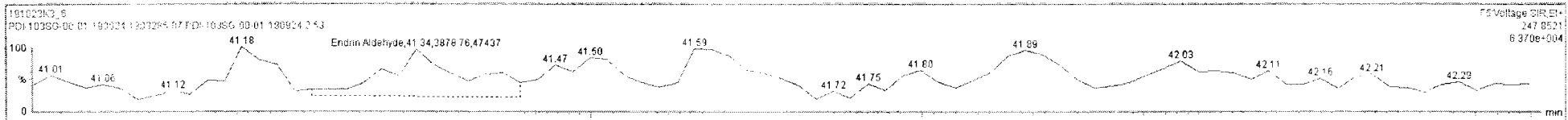
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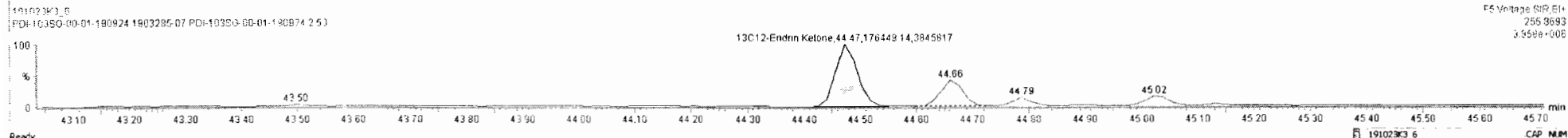
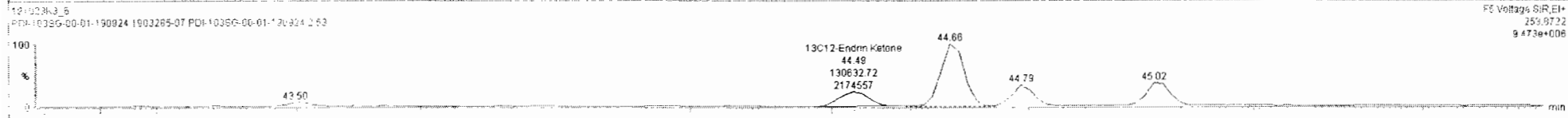
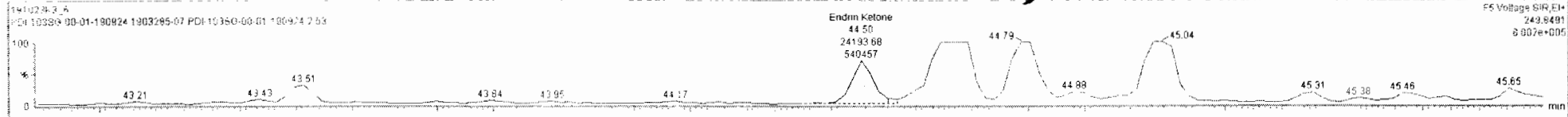
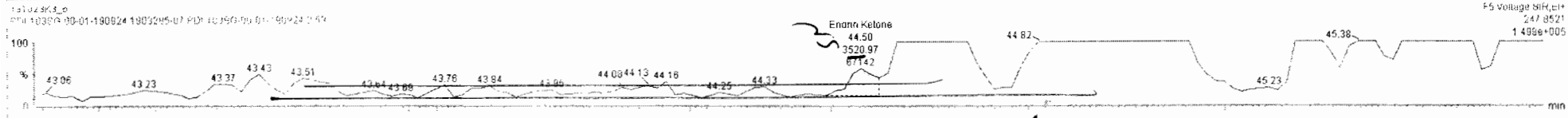
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255.8693
3.858e+006

191023K3_6 - 1903285-07 PDI-103SG-00-01-190924 2:53 - PDI-102SG-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	n/y	RPF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
29	4,4'-Methoxychlor	2.76e4	4.47e6	57	0.40	YES	0.8688	1.128	44.35	44.38	1.001	1.000	NO	222		997	104
30	Mirex	2.76e4	4.47e6	58	0.40	YES	0.8688	1.128	44.35	44.38	1.001	1.000	NO	222		997	104
31	Endrin Aldehyde	2.87e4	3.07e5	59	0.13	NO	0.9625	1.128	41.30	41.30	1.000	1.000	NO	955		183	232
32	Endrin Ketone	2.87e4	3.07e5	60	0.13	NO	0.9673	1.128	44.49	44.50	1.000	1.000	NO	955		183	232
33	13C4-Hexachlorobutadiene	2.19e6	2.43e6	62	1.27	NO	0.1473	1.128	10.36	10.34	0.980	0.991	NO	5400	60.9	1.48	
34	13C6-Hexachlorobenzene	1.44e6	2.43e6	62	1.28	NO	0.7104	1.128	23.14	23.14	0.873	0.873	NO	739	83.3	0.216	
35	13C6-Alpha-BHC	5.38e5	2.43e6	62	0.79	NO	0.2553	1.128	23.68	23.66	0.892	0.893	NO	753	96.6	4.32	
36	13C6-Lindane (gamma)	4.31e5	2.43e6	62	0.79	NO	0.2155	1.128	27.02	27.00	1.018	1.019	NO	728	82.1	5.12	
37	13C6-Beta-BHC	2.66e5	2.43e6	62	0.80	NO	0.1622	1.128	29.07	29.06	1.086	1.098	NO	598	67.4	6.80	
38	13C6-Delta-BHC	3.12e5	2.43e6	62	0.78	NO	0.1846	1.128	30.74	30.71	1.158	1.159	NO	615	69.4	5.97	
39	13C10-Heptachlor	2.88e5	2.43e6	62	1.32	NO	0.1777	1.128	29.15	29.15	1.099	1.099	NO	591	68.6	2.17	
40	13C12-Aldrin	1.30e5	2.43e6	62	1.68	NO	0.1862	1.128	31.30	31.24	1.178	1.180	NO	254	26.7	4.16	
41	13C10-Oxychlorane	4.17e4	2.43e6	62	1.49	NO	0.0499	1.128	33.88	33.82	1.275	1.278	NO	305	34.4	15.5	
42	13C10-cis-Heptachlor Epo	6.97e4	2.43e6	62	1.62	NO	0.0657	1.128	34.68	34.61	1.305	1.308	NO	386	43.5	11.8	
43	13C10-trans-Chlorane (a)	4.55e4	2.43e6	62	1.62	NO	0.0525	1.128	35.58	35.53	1.340	1.342	NO	315	35.6	14.7	
44	13C10-trans-Nonachlor	6.13e4	2.43e6	62	1.63	NO	0.0597	1.128	35.77	35.72	1.347	1.349	NO	380	42.9	13.2	
45	13C9-Endosulfan I (alpha)	3.63e4	2.43e6	62	1.68	NO	0.0343	1.128	36.37	36.28	1.368	1.372	NO	386	43.5	22.6	



#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wt/Vol	Pred RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
29	29	4,4'-Methoxychlor	4.47e6	57		NO	1.1019	1.126	43.76			1.000	NO			997	
30	30	Mirex	2.76e4	58	0.40	YES	0.8698	1.126	44.35	44.38	1.001	1.000	NO	222		54.5	104
31	31	Endrin Aldehyde	2.19e5	59		NO	0.9625	1.126	41.30			1.000	NO			149	
32	32	Endrin Ketone	2.77e4	60	0.15	YES	0.8673	1.126	44.49	44.50	1.000	1.000	NO	923		183	303
33	33	13C4-Hexachlorobutadiene	2.18e6	62	1.27	NO	0.1473	1.129	10.36	10.34	0.390	0.391	NO	5400	60.9	1.48	
34	34	13C6-Hexachlorobenzene	1.44e6	62	1.28	NO	0.7104	1.126	23.14	23.14	0.873	0.873	NO	739	83.3	0.216	
35	35	13C6-Alpha-BHC	5.38e5	62	0.79	NO	0.2553	1.128	23.68	23.66	0.892	0.893	NO	768	86.6	4.32	
36	36	13C6-Lindane (gamma)	4.31e5	62	0.79	NO	0.2155	1.128	27.02	27.00	1.018	1.019	NO	728	82.1	5.12	
37	37	13C6-Beta-BHC	2.66e5	62	0.80	NO	0.1622	1.128	29.07	29.06	1.096	1.096	NO	598	67.4	6.80	
38	38	13C6-Delta-BHC	3.12e5	62	0.78	NO	0.1846	1.128	30.74	30.71	1.158	1.159	NO	815	69.4	5.97	
39	39	13C10-Heptachlor	2.88e5	62	1.32	NO	0.1777	1.128	29.15	29.15	1.089	1.089	NO	591	66.6	2.17	
40	40	13C12-Aldrin	1.30e5	62	1.58	NO	0.1987	1.128	31.30	31.24	1.179	1.180	NO	254	29.7	4.16	
41	41	13C10-Oxychlorane	4.17e4	62	1.49	NO	0.0489	1.128	33.68	33.82	1.275	1.276	NO	305	34.4	15.5	
42	42	13C10-cis-Heptachlor Epo	6.97e4	62	1.62	NO	0.0657	1.128	34.68	34.61	1.305	1.306	NO	386	43.5	11.8	
43	43	13C10-trans-Chlordane (g)	4.55e4	62	1.62	NO	0.0525	1.128	35.58	35.53	1.340	1.342	NO	315	35.6	14.7	
44	44	13C10-trans-Nonachlor	6.13e4	62	1.63	NO	0.0587	1.128	35.77	35.72	1.347	1.349	NO	380	42.9	13.2	
45	45	13C9-Endosulfan I (alpha)	3.63e4	62	1.69	NO	0.0343	1.128	36.37	36.28	1.368	1.372	NO	386	43.5	22.6	



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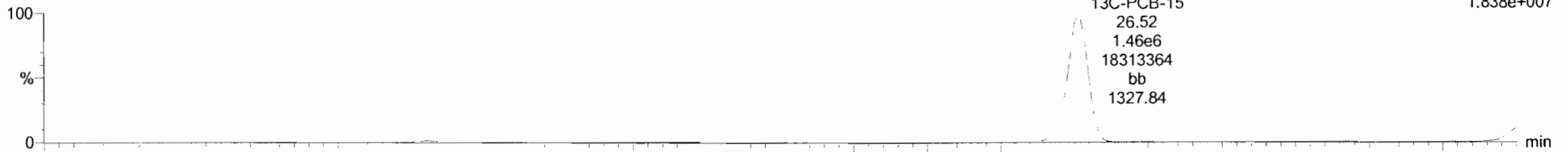
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13C-PCB-15

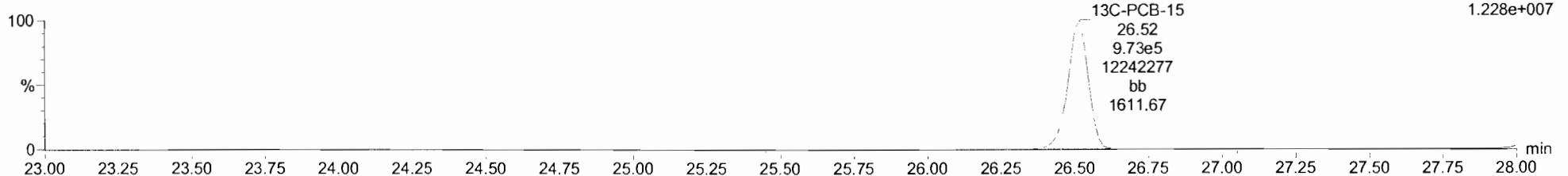
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1.838e+007



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

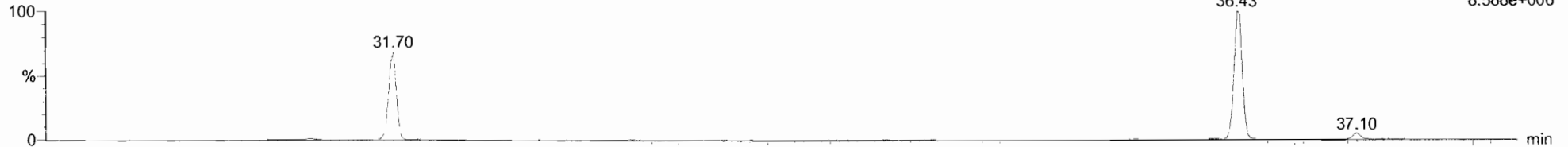
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236.0376
1.228e+007



13C-PCB-60

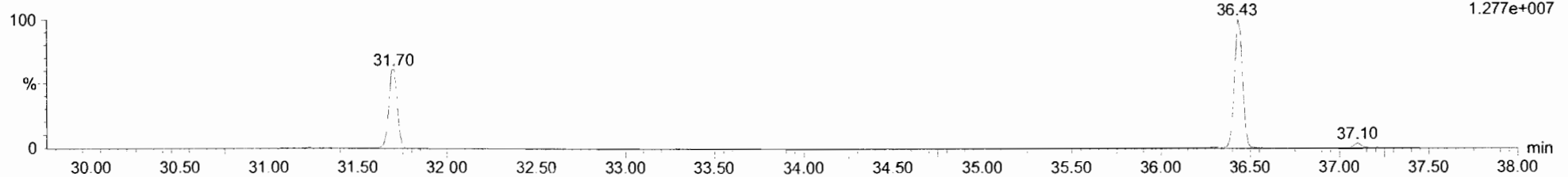
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PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F3:Voltage SIR,EI+
301.9626
8.588e+006



191023K3_6
PDI-103SG-00-01-190924 1903285-07 PDI-103SG-00-01-190924 2.53

F3:Voltage SIR,EI+
303.9597
1.277e+007



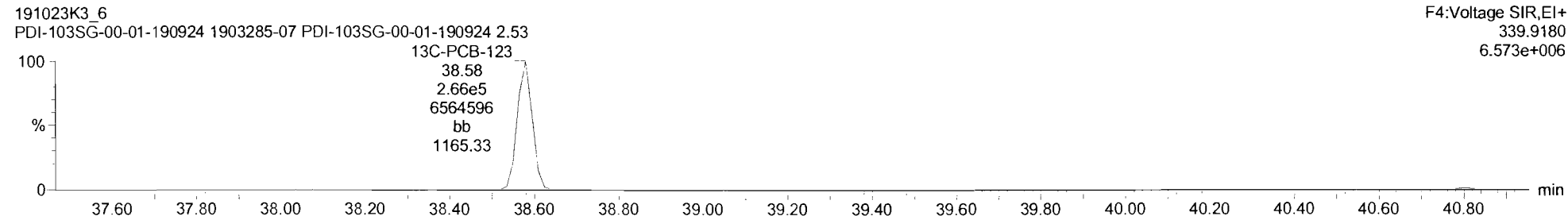
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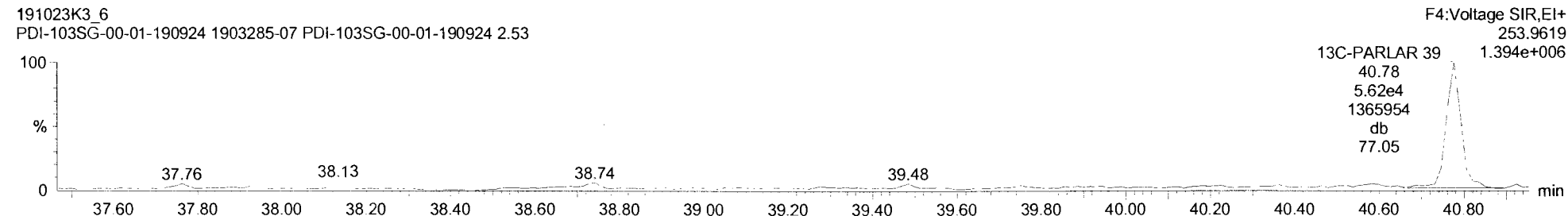
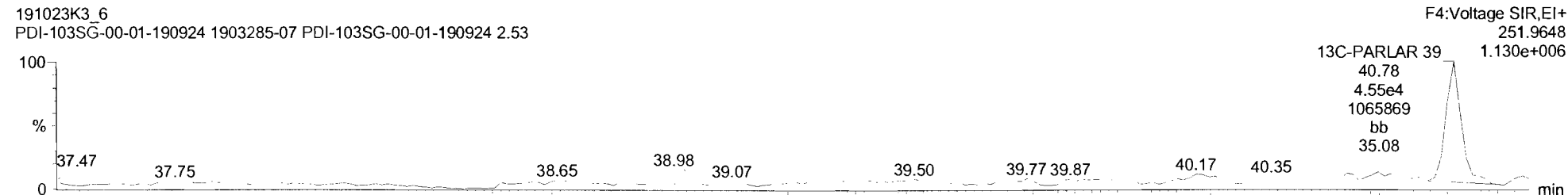
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Name: 191023K3_6, Date: 24-Oct-2019, Time: 09:43:00, ID: 1903285-07 PDI-103SG-00-01-190924 2.53, Description: PDI-103SG-00-01-190924

13C-PCB-123



13C-PARLAR 39



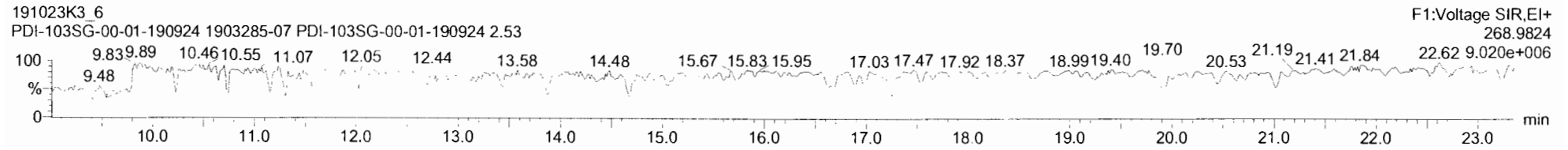
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Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

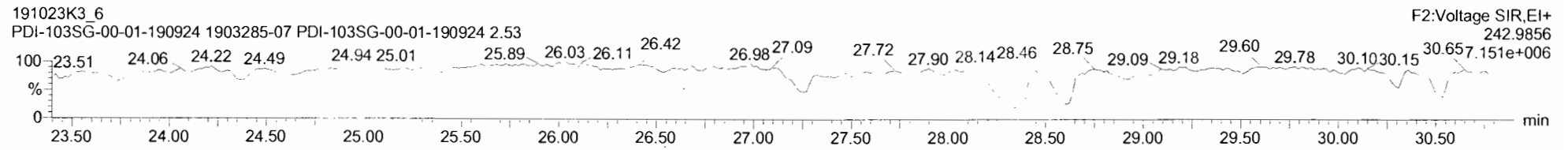
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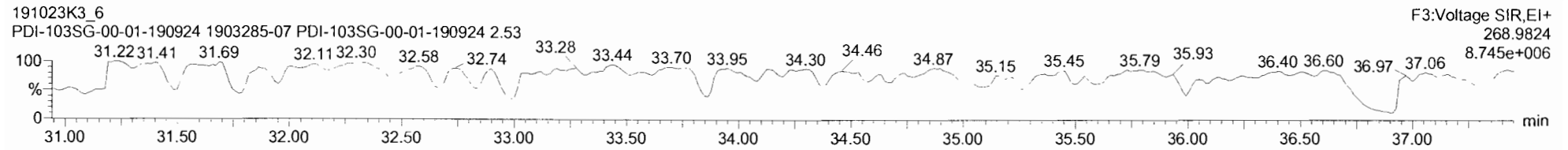
PFK1



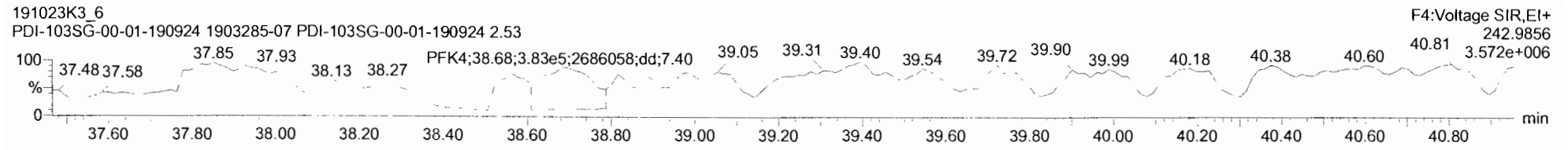
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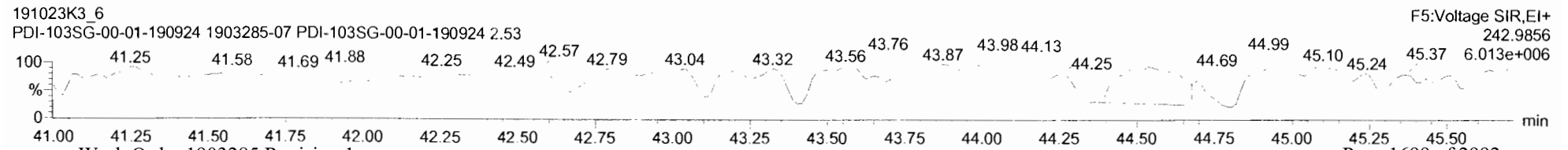
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191023K3\191023K3-7.qld

Last Altered: Friday, October 25, 2019 14:46:52 Pacific Daylight Time

Printed: Wednesday, October 30, 2019 14:15:37 Pacific Daylight Time

HC 10-30-19

C 10/30/19

Ⓐ see dil @ 5x

Ⓑ interference see dil @ 20x

Method: Untitled 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_7, Date: 24-Oct-2019, Time: 10:30:36, ID: 1903285-08 PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	7.24e5	1.16e6	1.18	NO	0.840	1.067	23.16	23.15	1.001	1.001	NO	698		0.245	698
2	3 Alpha-BHC	3.19e3	4.51e5	1.45	YES	0.751	1.067	23.72	23.69	1.001	1.002	NO	883		4.21	7.73
3	4 Lindane (gamma-BHC)		3.53e5		NO	0.717	1.067	27.06			1.001	YES			7.45	
4	5 Beta-BHC		2.46e5		NO	0.870	1.067	29.05			1.000	NO			6.35	
5	6 Delta-BHC		2.75e5		NO	0.817	1.067	30.73			1.001	YES			5.98	
6	7 Heptachlor	1.60e3	2.24e5	0.86	YES	0.868	1.067	29.18	29.18	1.001	1.001	NO	772		4.81	6.42
7	9 Aldrin	3.15e4	1.72e5	1.62	NO	0.946	1.067	31.28	31.28	1.001	1.001	NO	181		16.4	181
8	10 Oxychlorane		3.52e4		NO	0.926	1.067	33.84			1.001	YES			86.7	
9	11 cis-Heptachlor Epoxide		6.12e4		NO	0.937	1.067	34.63			1.001	NO			37.6	
10	12 trans-Heptachlor Epox...		6.12e4		NO	0.238	1.067	35.13			1.015	YES			148	
11	13 trans-Chlordane (gam...	1.57e4	4.05e4	1.55	NO	0.980	1.067	35.55	35.54	1.000	1.001	NO	370		57.3	370
12	14 trans-Nonachlor	1.34e4	5.10e4	1.74	NO	0.902	1.067	35.74	35.73	1.000	1.001	NO	273		50.8	273
13	15 cis-Chlordane	1.43e4	5.10e4	1.48	NO	0.899	1.067	36.23	36.24	1.015	1.014	NO	293		51.0	293
14	16 Endosulfan I (alpha)		3.22e4		NO	1.03	1.067	36.32			1.001	YES			76.6	
15	18 2,4'-DDE	6.49e5	1.19e6	1.25	NO	0.758	1.067	36.22	36.22	1.000	1.000	NO	675		4.09	675
16	19 4,4'-DDE	4.65e6	5.92e5	1.25	NO	0.771	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
17	20 Dieldrin I Ⓑ		8.87e4		NO	0.927	1.067	37.77			1.000	NO			39.2	
18	21 Endrin		2.86e4		NO	0.902	1.067	39.16			1.000	YES			136	
19	22 cis-Nonachlor		4.46e4		NO	0.913	1.067	39.45			1.000	NO			75.6	
20	23 Endosulfan II (beta)	1.53e4	1.34e4	0.80	YES	1.03	1.067	40.17	40.21	1.001	1.000	NO	1040		224	760
21	24 2,4'-DDD	1.45e6	2.13e5	1.56	NO	0.890	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
22	25 2,4'-DDT	6.69e5	5.68e5	1.54	NO	0.865	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
23	26 4,4'-DDD	1.40e7	6.96e5	1.56	NO	0.971	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
24	27 4,4'-DDT	2.28e6	4.55e5	1.54	NO	0.974	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
25	28 Endosulfan Sulfate		1.21e4		NO	0.896	1.067	41.88			1.000	NO			301	
26	29 4,4'-Methoxychlor		4.65e6		NO	1.10	1.067	43.76			1.000	NO			286	
27	30 Mirex	1.52e4	1.14e5	0.37	YES	0.870	1.067	44.35	44.38	1.001	1.000	NO	144		68.9	63.4
28	31 Endrin Aldehyde		2.24e5		NO	0.962	1.067	41.30			1.000	YES			164	
29	32 Endrin Ketone		3.11e5		NO	0.867	1.067	44.47			1.000	YES			180	
30	34 13C6-Hexachlorobenz...	1.16e6	2.11e6	1.28	NO	0.710	1.067	23.16	23.14	0.872	0.873	NO	722	77.1	0.239	

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-7.qld

Last Altered: Friday, October 25, 2019 14:46:52 Pacific Daylight Time

Printed: Wednesday, October 30, 2019 14:15:37 Pacific Daylight Time

Name: 191023K3_7, Date: 24-Oct-2019, Time: 10:30:36, ID: 1903285-08 PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

	# Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
31	35 13C6-Alpha-BHC	4.51e5	2.11e6	0.82	NO	0.255	1.067	23.71	23.67	0.892	0.893	NO	782	83.5	5.92	
32	36 13C6-Lindane (gamma)	3.53e5	2.11e6	0.80	NO	0.216	1.067	27.03	27.03	1.019	1.019	NO	726	77.5	7.02	
33	37 13C6-Beta-BHC	2.46e5	2.11e6	0.78	NO	0.162	1.067	29.07	29.04	1.094	1.095	NO	671	71.6	9.32	
34	38 13C6-Delta-BHC	2.75e5	2.11e6	0.73	NO	0.185	1.067	30.74	30.71	1.157	1.159	NO	660	70.5	8.19	
35	39 13C10-Heptachlor	2.24e5	2.11e6	1.30	NO	0.178	1.067	29.20	29.15	1.099	1.100	NO	559	59.6	2.89	
36	40 13C12-Aldrin	1.72e5	2.11e6	1.69	NO	0.186	1.067	31.30	31.25	1.178	1.180	NO	410	43.8	7.35	
37	41 13C10-Oxychlordane	3.52e4	2.11e6	1.67	NO	0.0499	1.067	33.89	33.82	1.275	1.277	NO	313	33.4	27.5	
38	42 13C10-cis-Heptachlor ...	6.12e4	2.11e6	1.74	NO	0.0657	1.067	34.68	34.61	1.304	1.307	NO	413	44.1	20.8	
39	43 13C10-trans-Chlordan...	4.05e4	2.11e6	1.74	NO	0.0525	1.067	35.58	35.53	1.339	1.341	NO	342	36.5	26.0	
40	44 13C10-trans-Nonachlor	5.10e4	2.11e6	1.55	NO	0.0587	1.067	35.76	35.72	1.346	1.348	NO	385	41.1	23.3	
41	45 13C9-Endosulfan I (al...	3.22e4	2.11e6	1.68	NO	0.0343	1.067	36.35	36.30	1.368	1.370	NO	415	44.3	39.9	
42	46 13C12-2,4'-DDE	1.19e6	2.11e6	1.90	NO	1.01	1.067	36.24	36.21	0.995	0.996	NO	521	55.6	75.7	
43	47 13C12-4,4'-DDE	5.92e5	2.11e6	1.30	NO	0.760	1.067	37.31	37.28	1.025	1.025	NO	345	36.8	101	
44	48 13C12-Dieldrin	8.87e4	2.11e6	1.52	NO	0.0797	1.067	37.81	37.75	1.037	1.039	NO	493	52.6	26.4	
45	49 13C12-Endrin	2.86e4	2.11e6	1.61	NO	0.0599	1.067	39.21	39.16	1.076	1.078	NO	211	22.6	35.1	
46	50 13C10-cis-Nonachlor	4.46e4	2.11e6	1.63	NO	0.0486	1.067	39.44	39.44	1.084	1.084	NO	407	43.4	43.3	
47	51 13C9-Endosulfan II	1.34e4	2.11e6	1.88	NO	0.0145	1.067	40.23	40.17	1.104	1.106	NO	409	43.7	145	
48	52 13C12-2,4'-DDD	2.13e5	2.11e6	1.70	NO	0.653	1.067	38.39	38.39	1.447	1.447	NO	144	15.4	92.3	
49	53 13C12-2,4'-DDT	5.68e5	2.11e6	1.92	NO	0.443	1.067	39.52	39.51	1.489	1.489	NO	568	60.6	136	
50	54 13C12-4,4'-DDD	6.96e5	2.11e6	1.81	NO	0.550	1.067	39.63	39.63	1.494	1.494	NO	560	59.8	110	
51	55 13C12-4,4'-DDT	4.55e5	2.11e6	1.89	NO	0.354	1.067	40.70	40.70	1.534	1.534	NO	569	60.7	170	
52	56 13C9-Endosulfan Sulf...	1.21e4	2.11e6	1.41	NO	0.0239	1.067	41.97	41.88	1.151	1.153	NO	223	23.8	108	
53	57 13C12-Methoxychlor	4.65e6	2.11e6	14.16	NO	0.362	1.067	43.84	43.75	1.202	1.205	NO	5700	60.9	37.8	
54	58 13C10-Mirex	1.14e5	2.11e6	1.88	NO	0.184	1.067	44.40	44.33	1.218	1.220	NO	275	29.4	23.0	
55	59 13C12-Endrin Aldehyde	2.24e5	2.11e6	0.50	NO	0.0307	1.067	41.37	41.28	1.135	1.137	NO	3230	34.5	119	
56	60 13C12-Endrin Ketone	3.11e5	2.11e6	0.65	YES	0.0240	1.067	44.56	44.47	1.222	1.225	NO	5740	61.3	153	
57	62 13C-PCB-15	2.11e6	2.11e6	1.50	NO	1.00	1.067	26.48	26.53	1.000	1.000	NO	937	100	18.3	

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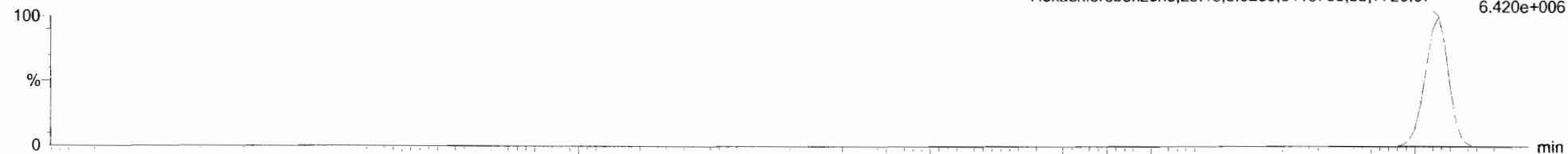
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Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

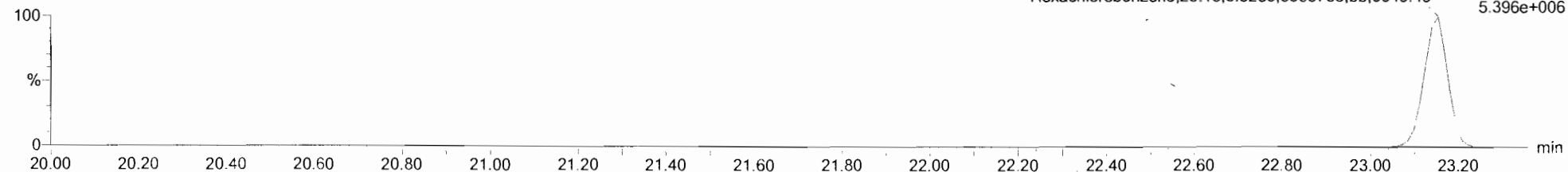
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Hexachlorobenzene

191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

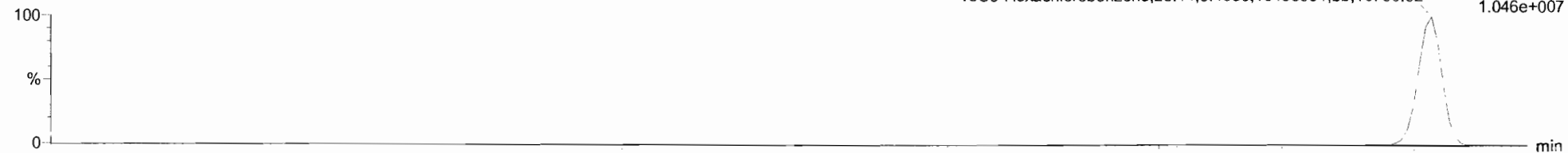


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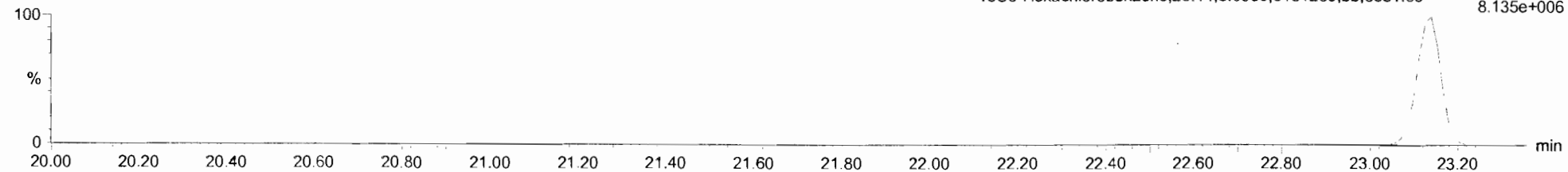


13C6-Hexachlorobenzene

191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88



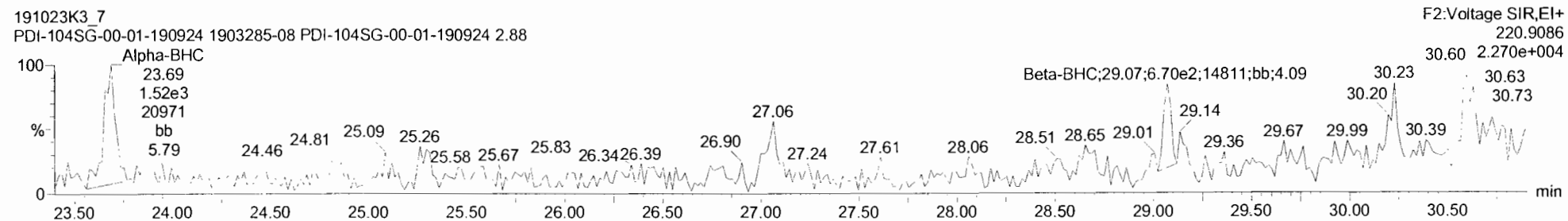
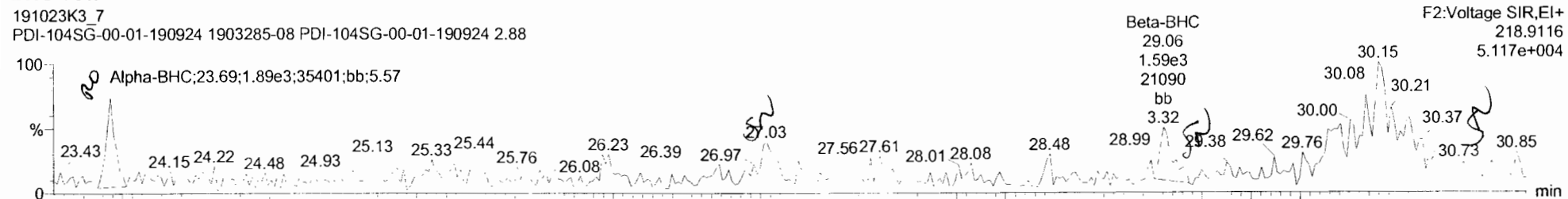
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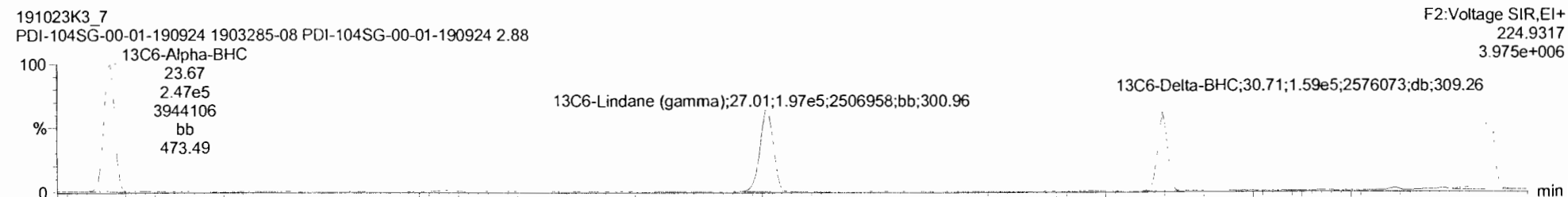
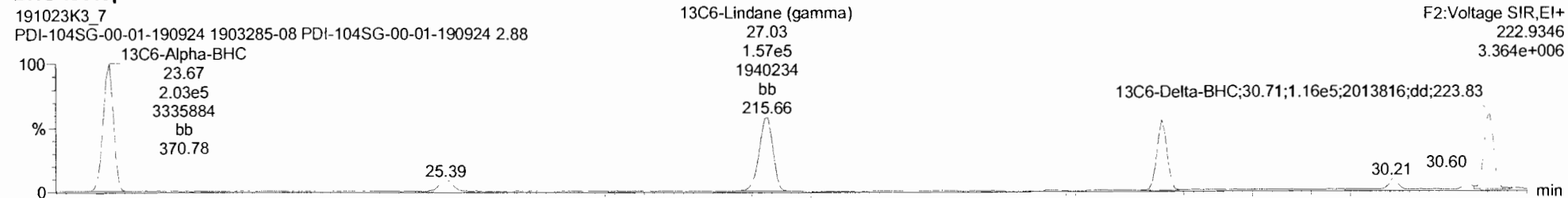
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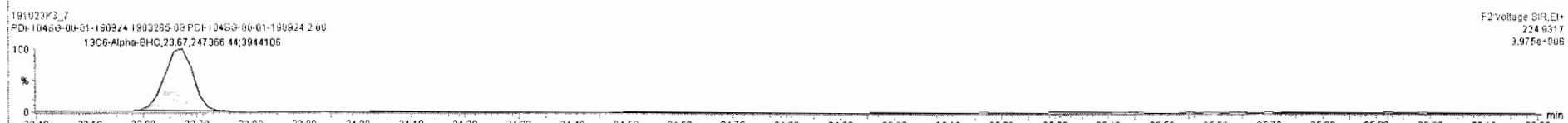
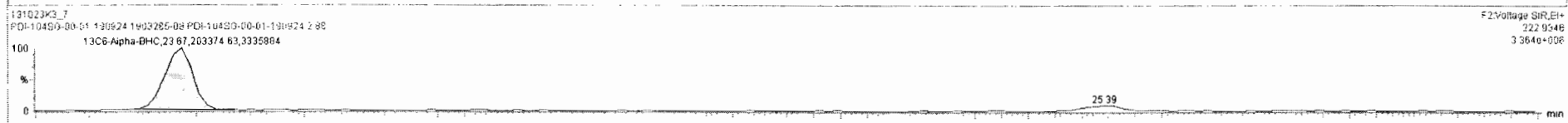
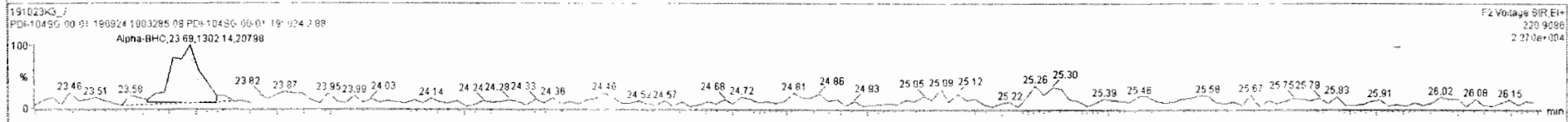
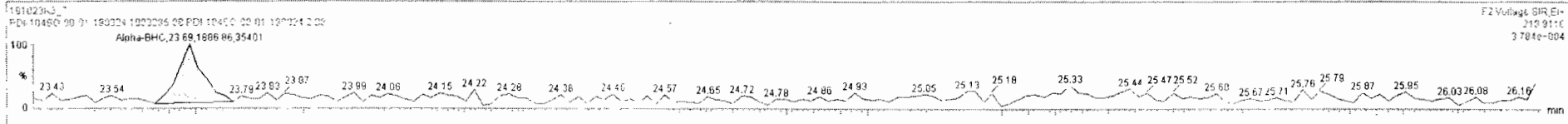
BHC Totals



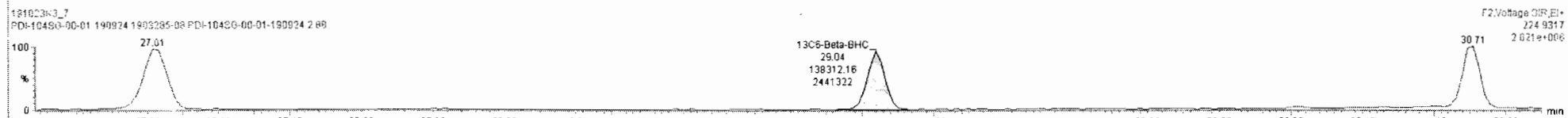
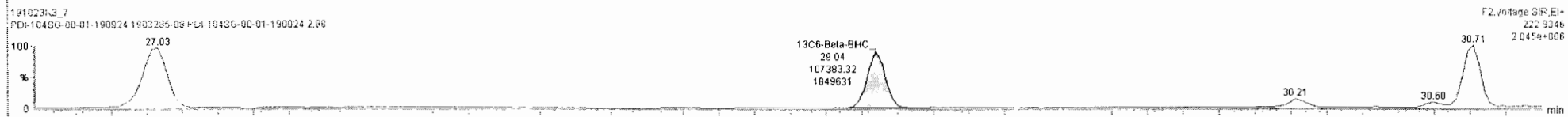
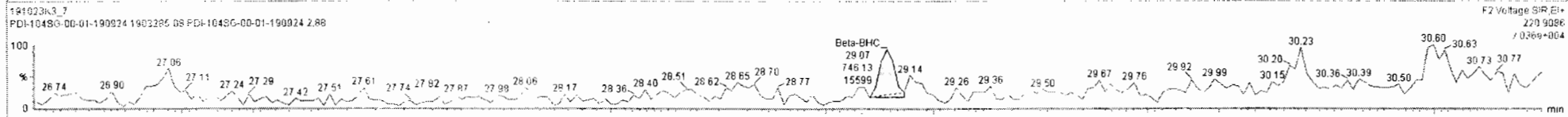
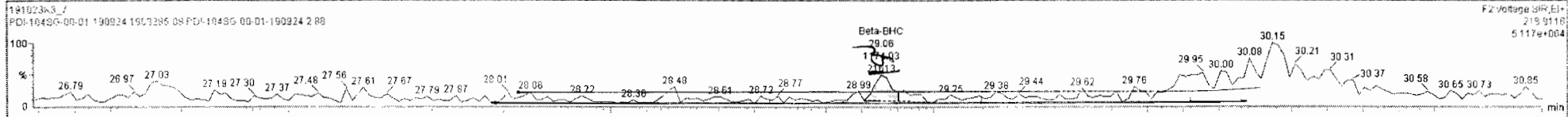
BHC-isotopes



#	Name	Resp	IS Resp	IS#	RA	IVY	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 Hexachlorobutadiene	3.85e4	1.51e6	33	0.38	YES	0.1168	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	892
2	2 Hexachlorobenzene	7.24e5	1.16e6	34	1.16	NO	0.8398	1.067	23.18	23.15	1.001	1.001	NO	698		0.245	698
3	3 Alpha-BHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	6.63		4.21	7.73
4	4 Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06		1.001	YES				7.45	
5	5 Beta-BHC	2.26e3	2.46e5	37	2.37	NO	0.8703	1.067	29.05	29.06	1.001	1.000	NO	9.89		6.35	9.89
6	6 Delta-BHC		2.75e5	38		NO	0.9176	1.067	30.73		1.001	YES				5.98	
7	7 Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8683	1.067	29.18	29.18	1.001	1.001	NO	7.73		4.81	6.42
8	8 4,4'-DDEU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.83	30.63	0.997	0.997	NO	418		21.3	418
9	9 Aldrin	3.21e4	1.72e5	40	1.54	NO	0.9463	1.067	31.28	31.28	1.001	1.001	NO	184		16.4	184
10	10 Oxychlorane		3.52e4	41		NO	0.9262	1.067	33.84			1.001	YES			86.7	
11	11 cis-Heptachlor Epoxide	1.29e3	6.12e4	42		NO	0.9366	1.067	34.63	34.63	1.001	1.001	NO	21.1		37.6	0.000
12	12 trans-Heptachlor Epoxide		6.12e4	42		NO	0.2384	1.067	35.12			1.015	YES			148	
13	13 trans-Chlordane (gamma)	1.59e4	4.05e4	43	1.46	NO	0.8804	1.067	35.55	35.54	1.000	1.001	NO	999		57.3	399
14	14 trans-Nonachlor	1.40e4	5.10e4	44	1.75	NO	0.9021	1.067	35.74	35.73	1.000	1.001	NO	286		50.8	286
15	15 cis-Chlordane	1.82e4	5.10e4	44	1.22	NO	0.8988	1.067	36.23	36.24	1.015	1.014	NO	373		51.0	373
16	16 Endosulfen I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	17 4,4'-DDEU	1.21e5	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.984	NO	1830		37.2	1830



#	Name	Resp	IS Resp	IS#	RA	n/y	RF#	w/Mol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 Hexachlorobutadiene	3.85e4	1.51e6	33	0.39	YES	0.1188	1.057	10.35	10.36	1.001	1.000	NO	2010		14.1	992
2	2 Hexachlorobenzene	7.24e5	1.16e6	34	1.18	NO	0.8398	1.067	23.16	23.15	1.001	1.001	NO	698		0.245	688
3	3 Alpha-BHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	4 Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.001	YES			7.45	
5	5 Beta-BHC	1.92e3	2.46e5	37	1.57	NO	0.8703	1.067	29.05	29.06	1.001	1.000	NO	8.41		6.35	8.41
6	6 Delta-BHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES			5.98	
7	7 Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8663	1.067	29.18	29.18	1.001	1.001	NO	7.73		4.81	6.42
8	8 4,4'-DDMU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	9 Aldrin	3.21e4	1.72e5	40	1.54	NO	0.9463	1.067	31.28	31.28	1.001	1.001	NO	184		16.4	184
10	10 Orychlorane		3.52e4	41		NO	0.9262	1.067	33.84			1.001	YES			86.7	
11	11 cis-Heptachlor Epoxide	1.29e3	6.12e4	42		NO	0.9366	1.067	34.63	34.63	1.001	1.001	NO	21.1		37.6	0.000
12	12 trans-Heptachlor Epoxide		6.12e4	42		NO	0.2384	1.067	35.12			1.015	YES			148	
13	13 trans-Chlordane (gamma)	1.69e4	4.05e4	43	1.46	NO	0.9804	1.067	35.55	35.54	1.000	1.001	NO	398		57.3	393
14	14 trans-Nonachlor	1.40e4	5.10e4	44	1.75	NO	0.9021	1.067	35.74	35.73	1.000	1.001	NO	286		50.8	286
15	15 cis-Chlordane	1.82e4	5.10e4	44	1.22	NO	0.8988	1.067	36.23	36.24	1.015	1.014	NO	373		51.0	373
16	16 Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	17 4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830



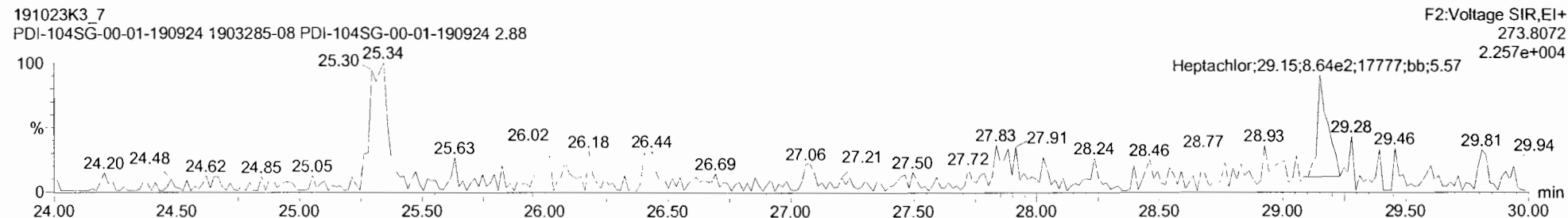
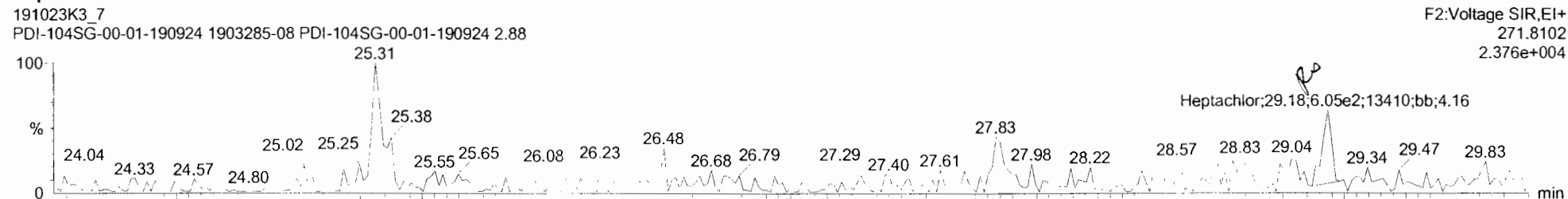
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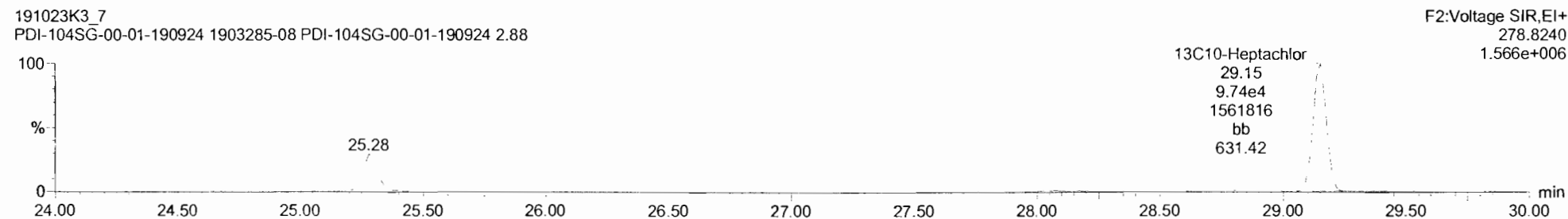
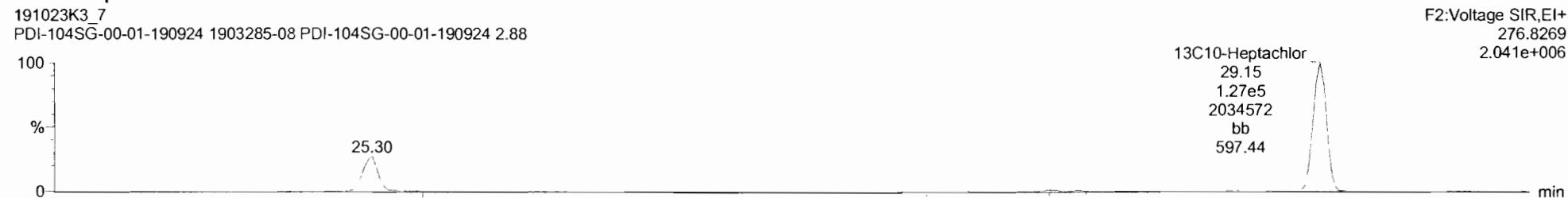
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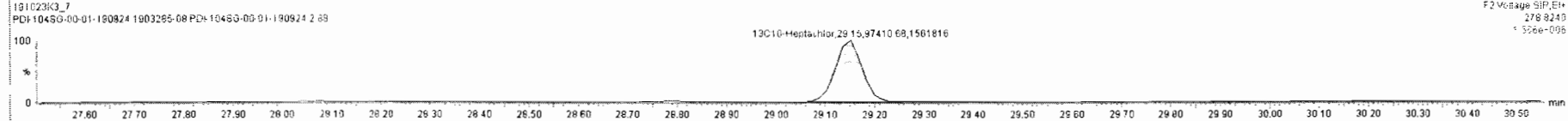
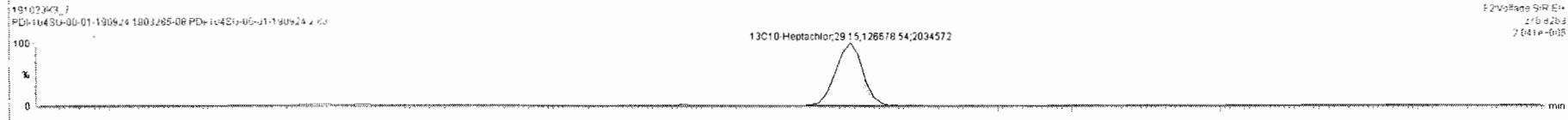
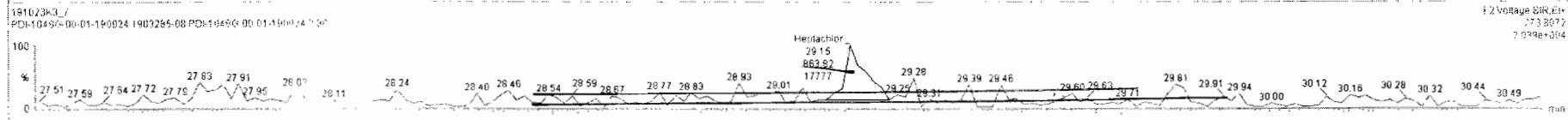
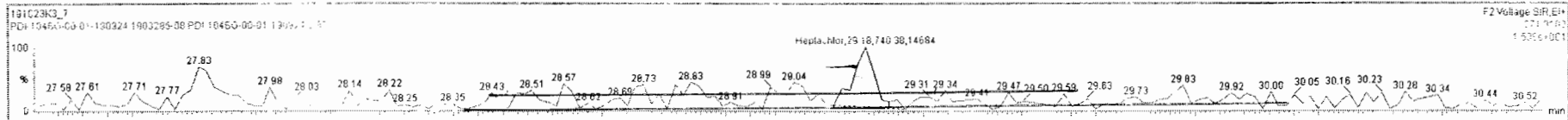
Heptachlor



13C10-Heptachlor



#	Name	Resp	IS Resp	CF	RA	n/y	RF	w%vol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	3.85e4	1.51e6	33	0.36	YES	0.1168	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	962
2	Hexachlorobenzene	7.24e5	1.16e6	34	1.16	NO	0.8398	1.067	23.16	23.15	1.001	1.001	NO	638		0.245	658
3	Alpha-BHC	3.19e3	4.51e5	25	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.001	YES			7.45	
5	Beta-BHC		2.46e5	37		NO	0.8703	1.067	29.05			1.000	NO			6.35	
6	Delta-BHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES			5.98	
7	Heptachlor	1.69e3	2.24e5	39	0.68	YES	0.8663	1.067	29.18	29.18	1.001	1.001	NO	7.72		4.81	6.42
8	4,4'-DDMU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	Aklavin	3.21e4	1.72e5	40	1.54	NO	0.9463	1.067	31.28	31.28	1.001	1.001	NO	184		16.4	184
10	Oxychlorane		3.52e4	41		NO	0.9262	1.067	33.84			1.001	YES			86.7	
11	cis-Heptachlor Epoxide	1.29e3	6.12e4	42		NO	0.9366	1.067	34.63	34.63	1.001	1.001	NO	21.1		37.6	0.000
12	trans-Heptachlor Epoxide		6.12e4	42		NO	0.2304	1.067	35.12			1.015	YES			148	
13	trans-Chlordane (gamma)	1.69e4	4.05e4	43	1.46	NO	0.9834	1.067	35.55	35.54	1.000	1.001	NO	398		57.3	399
14	trans-Nonachlor	1.40e4	5.10e4	44	1.73	NO	0.9621	1.067	35.74	35.73	1.000	1.001	NO	286		50.8	286
15	cis-Chlordane	1.82e4	5.10e4	44	1.42	NO	0.9380	1.067	36.23	36.24	1.015	1.014	NO	373		51.0	373
16	Endosulfan (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.11	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830



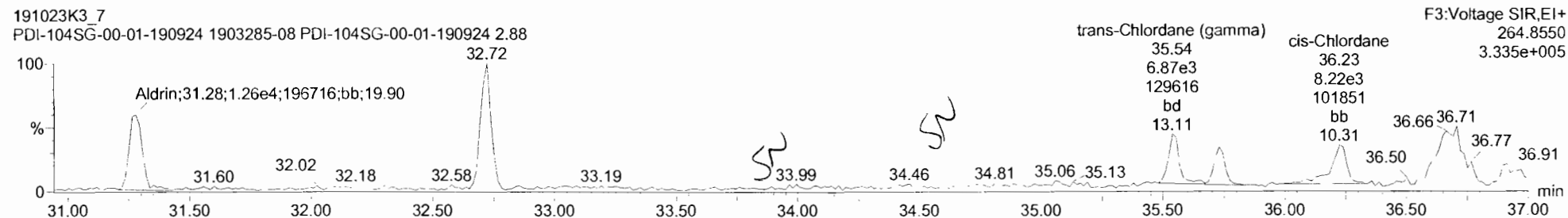
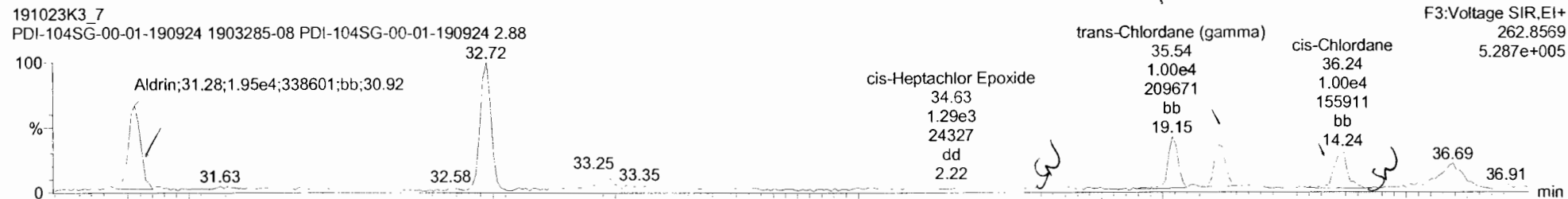
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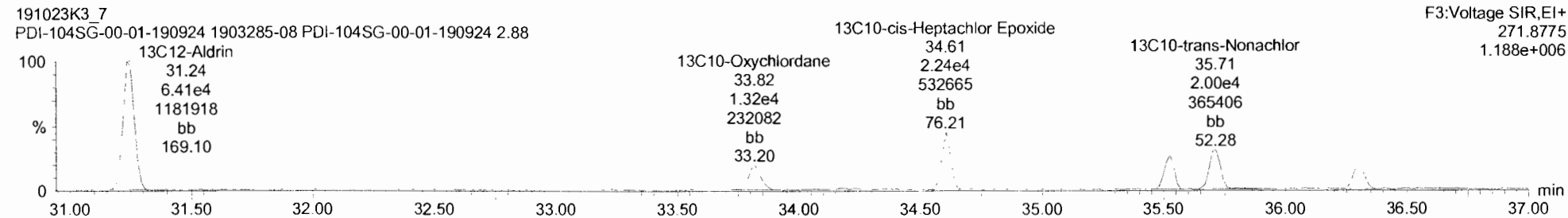
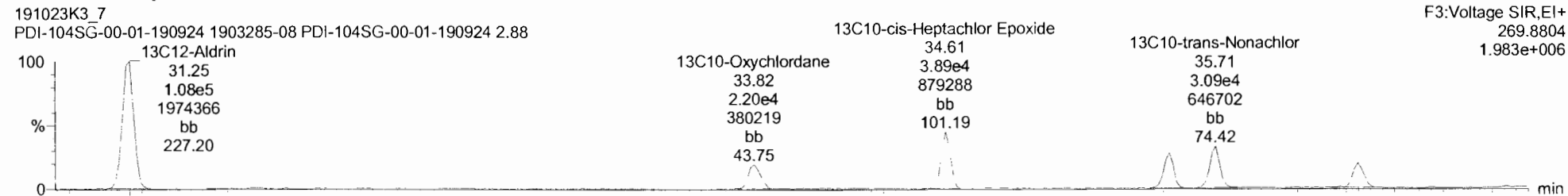
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Name: 191023K3_7, Date: 24-Oct-2019, Time: 10:30:36, ID: 1903285-08 PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

Aldrin-EI



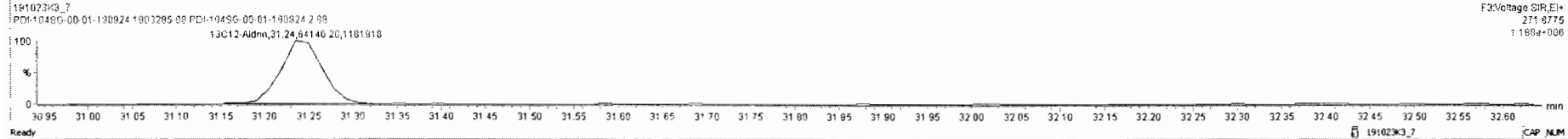
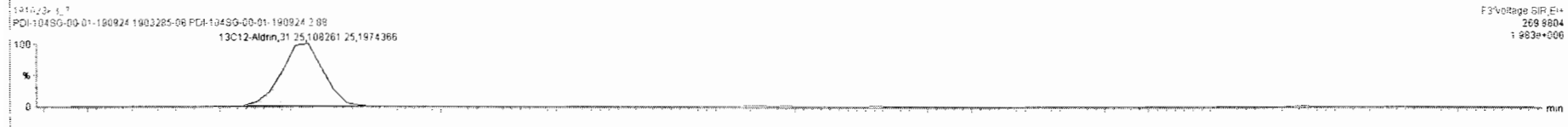
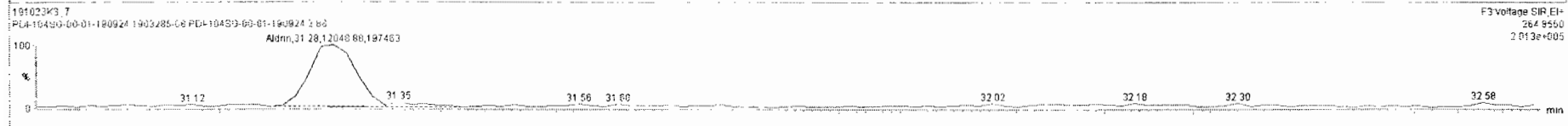
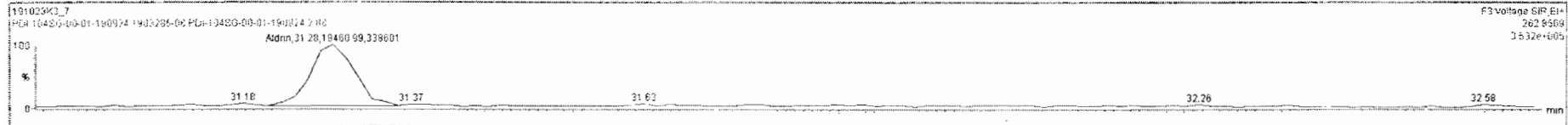
Aldrin-EI-isotopes



Target(Lynx - 191023K3_7.qld) - [Chromatogram]

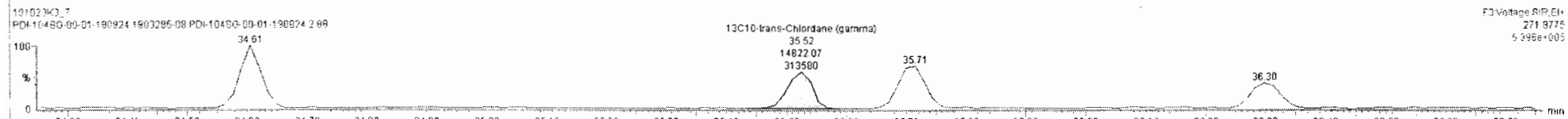
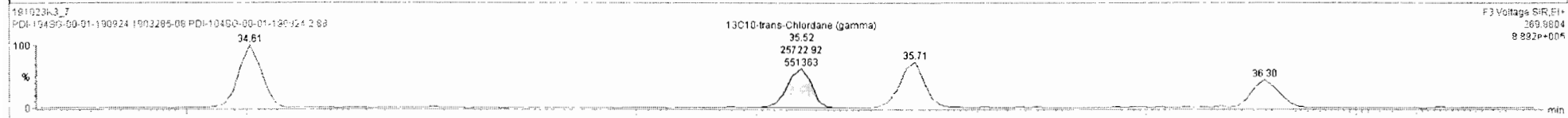
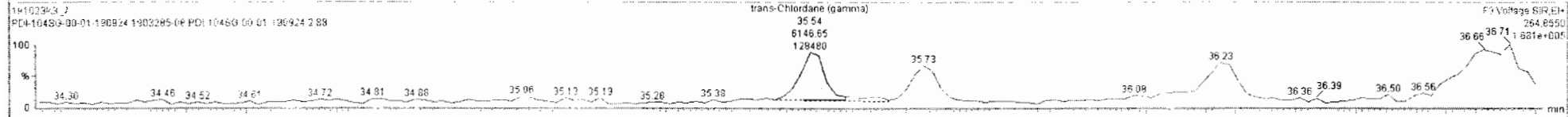
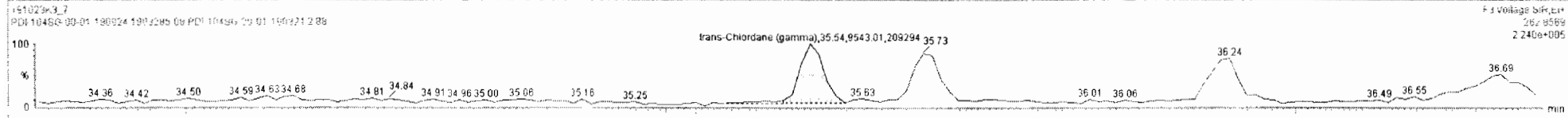
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#	Name	Resp	IS Ratio	ISF	RA	INJ	RRF	wfVol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	3.85e4	1.51e5	33	0.38	YES	0.1180	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	992
2	Hexachlorobenzene	7.24e5	1.18e6	34	1.18	NO	0.8386	1.067	23.16	23.15	1.001	1.001	NO	696		0.245	698
3	Alpha-EHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	Lindane (gamma-EHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.001	YES			7.45	
5	Beta-EHC		2.46e5	37		NO	0.8703	1.067	29.05			1.000	NO			6.35	
6	Delta-EHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES			5.98	
7	Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8683	1.067	29.18	29.18	1.001	1.001	NO	7.72		4.81	6.42
8	4,4'-DDMU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	Aldrin	3.15e4	1.72e5	40	1.52	NO	0.9463	1.067	31.28	31.26	1.001	1.001	NO	181		16.4	181
10	Oxychlorane		3.52e4	41		NO	0.9262	1.067	33.84			1.001	YES			86.7	
11	cis-Heptachlor Epoxide	1.29e3	6.12e4	42		NO	0.9366	1.067	34.63	34.63	1.001	1.001	NO	211		37.6	0.000
12	trans-Heptachlor Epoxide		6.12e4	42		NO	0.2384	1.067	35.12			1.015	YES			148	
13	trans-Chlordane (gamma)	1.69e4	4.05e4	43	1.46	NO	0.9504	1.067	35.55	35.54	1.000	1.001	NO	399		57.3	399
14	trans-Nonachlor	1.40e4	5.10e4	44	1.75	NO	0.9021	1.067	35.74	35.73	1.000	1.001	NO	286		50.8	286
15	cis-Chlordane	1.82e4	5.10e4	44	1.22	NO	0.8988	1.067	36.23	36.24	1.015	1.014	NO	373		51.0	373
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0340	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830

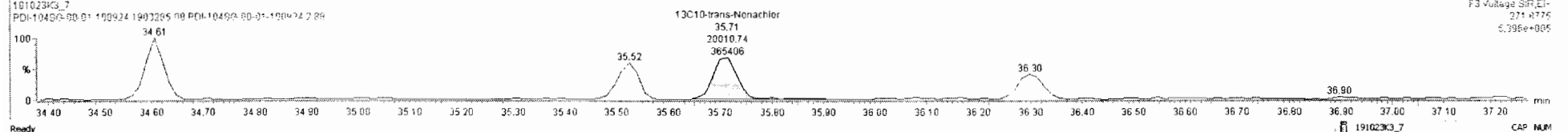
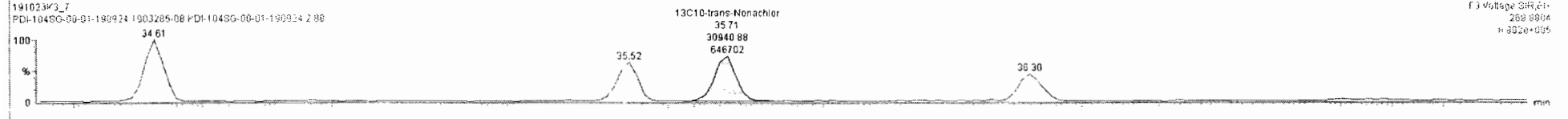
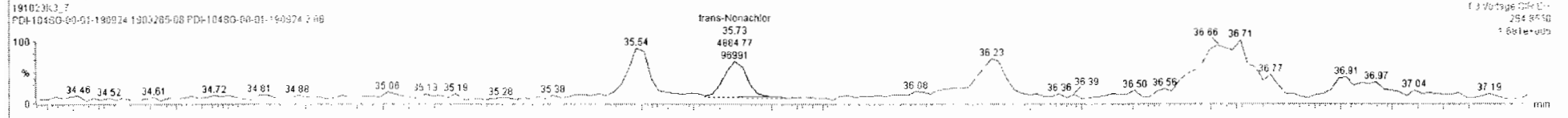
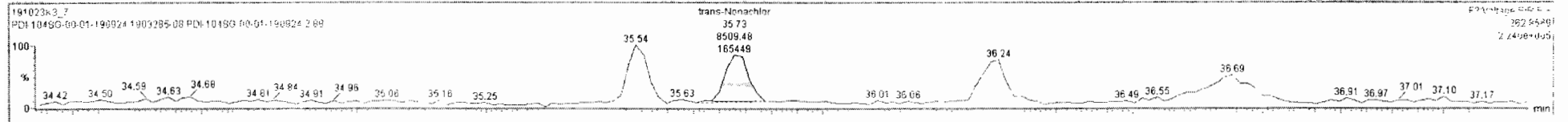


Ready 191023K3_7 CAP NUM

#	Name	Resp	IS Resp	ISF	RA	n/y	RPF	wt/Mol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	3.85e4	1.51e6	33	0.38	YES	0.1188	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	992
2	Hexachlorobenzene	7.24e5	1.16e6	34	1.18	NO	0.8398	1.067	23.16	23.15	1.001	1.001	NO	898		0.245	698
3	Alpha-BHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.001	YES			7.45	
5	Beta-BHC		2.46e5	37		NO	0.8703	1.067	29.95			1.000	NO			6.35	
6	Delta-BHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES			5.98	
7	Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8683	1.067	29.18	29.18	1.001	1.001	NO	7.72		4.81	6.42
8	4,4'-DDMU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	Aldrin	3.15e4	1.72e5	40	1.62	NO	0.9463	1.067	31.28	31.28	1.001	1.001	NO	181		16.4	181
10	Oxychlorane		3.52e4	41		NO	0.9262	1.067	33.84			1.001	YES			66.7	
11	cis-Heptachlor Epoxide		6.12e4	42		NO	0.9360	1.067	34.53			1.001	NO			37.6	
12	trans-Heptachlor Epoxide		6.12e4	43		NO	0.2394	1.067	35.12			1.014	YES			148	
13	trans-Chlordane (gamma)	1.57e4	4.05e4	43	1.55	NO	0.9604	1.067	35.55	35.54	1.000	1.001	NO	370		57.3	370
14	trans-Nonachlor	1.40e4	5.10e4	44	1.75	NO	0.9021	1.067	35.74	35.73	1.000	1.001	NO	266		50.8	266
15	cis-Chlordane	1.82e4	5.10e4	44	1.22	NO	0.8988	1.067	36.23	36.24	1.015	1.014	NO	373		51.0	373
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0349	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830

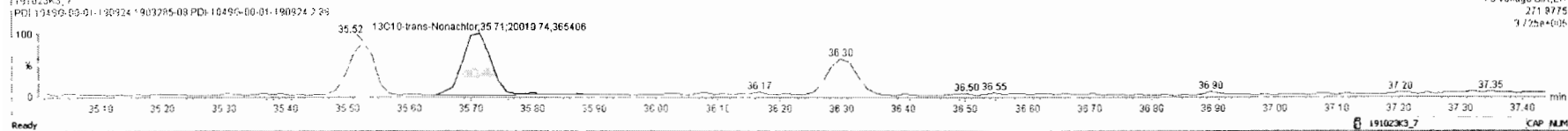
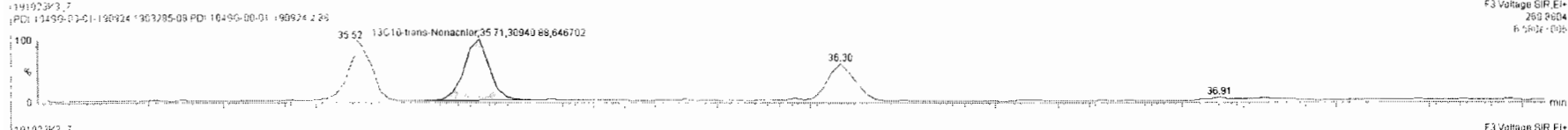
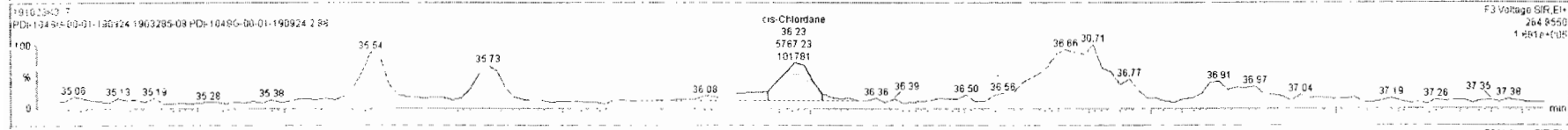
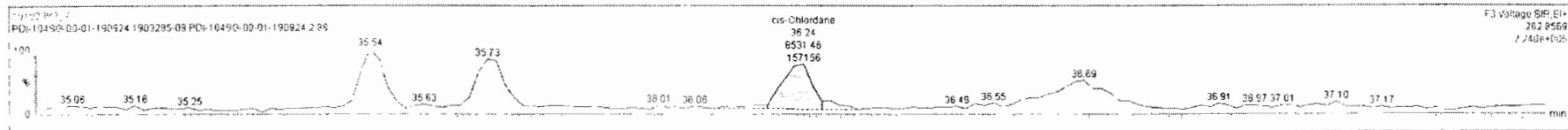


#	Name	Resp	IS Resp	CF	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 Hexachlorobutadiene	3.95e4	1.51e6	33	0.38	YES	0.1188	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	992
2	2 Hexachlorobenzene	7.24e5	1.16e6	34	1.18	NO	0.8398	1.067	23.16	23.15	1.001	1.001	NO	698		0.245	698
3	3 Alpha-BHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	4 Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.001	YES			7.45	
5	5 Beta-BHC		2.46e5	37		NO	0.8703	1.067	29.05			1.000	NO			6.35	
6	6 Delta-BHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES			5.90	
7	7 Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8683	1.067	29.18	29.18	1.001	1.001	NO	7.72		4.81	6.42
8	8 4,4'-DDNU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	9 Aldrin	3.15e4	1.72e5	40	1.62	NO	0.9463	1.067	31.28	31.28	1.001	1.001	NO	181		16.4	161
10	10 Orychlorane		3.52e4	41		NO	0.9262	1.067	33.84			1.001	YES			86.7	
11	11 cis-Heptachlor Epoxide		6.12e4	42		NO	0.9366	1.067	34.63			1.001	NO			37.8	
12	12 trans-Heptachlor Epoxide		6.12e4	42		NO	0.7384	1.067	35.12			1.015	YES			148	
13	13 trans-Chlordane (gamma)	1.57e4	4.05e4	43	1.55	NO	0.9904	1.067	35.55	35.54	1.000	1.001	NO	370		57.3	370
14	14 trans-Nonachlor	1.34e4	5.10e4	44	1.74	NO	0.9021	1.067	35.74	35.73	1.000	1.001	NO	273		90.8	273
15	15 cis-Chlordane	1.82e4	5.10e4	44	1.22	NO	0.8889	1.067	36.23	36.24	1.014	1.014	NO	373		51.0	373
16	16 Endosulfan I (alpha)		3.22e4	45		NO	1.0345	1.067	36.32			1.001	YES			76.6	
17	17 4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830



191023K3_7 - 1903285-06 PDI-104SG-00-01-190924 2.88 - PDI-104SG-00-01-190924

#	Name	Comp	IS Resp	ISF	RS	NAV	RRF	wt/mol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	3.85e4	1.51e6	33	0.38	YES	0.1180	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	592
2	Hexachlorobenzene	7.24e5	1.16e6	34	1.18	NO	0.8390	1.067	23.16	23.15	1.001	1.001	NO	698		0.245	699
3	Alpha-BHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.000	YES				7.45
5	Beta-BHC		2.46e5	37		NO	0.8703	1.067	29.05			1.000	YES				6.35
6	Delta-BHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES				5.96
7	Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8863	1.067	29.18	29.18	1.001	1.001	NO	7.72		4.81	6.42
8	4,4'-DDDU	1.67e5	2.75e5	38	2.94	NO	1.3629	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	Alarin	3.15e4	1.22e5	40	1.62	NO	0.9463	1.067	31.26	31.28	1.001	1.001	NO	181		16.4	181
10	Oxychlorane		3.52e4	41		NO	0.9252	1.067	33.84			1.001	YES				86.7
11	cis-Heptachlor Epoxide		6.12e4	42		NO	0.9368	1.067	34.63			1.001	NO				37.6
12	trans-Heptachlor Epoxide		6.12e4	42		NO	0.2384	1.067	35.12			1.015	YES				148
13	trans-Chlordane (gamma)	1.57e4	4.05e4	43	1.55	NO	0.9804	1.067	35.55	35.54	1.000	1.001	NO	370		57.3	370
14	trans-Nonachlor	1.34e4	5.11e4	44	1.74	NO	0.9071	1.067	35.74	35.73	1.000	1.000	NO	279		40.8	273
15	cis-Chlordane	1.43e4	5.10e4	44	1.49	NO	0.8998	1.067	36.23	36.24	1.015	1.014	NO	291		54.6	283
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0349	1.067	36.32			1.001	YES				76.6
17	4,4'-DDMU	1.21e5	1.19e5	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830



Dataset: Untitled

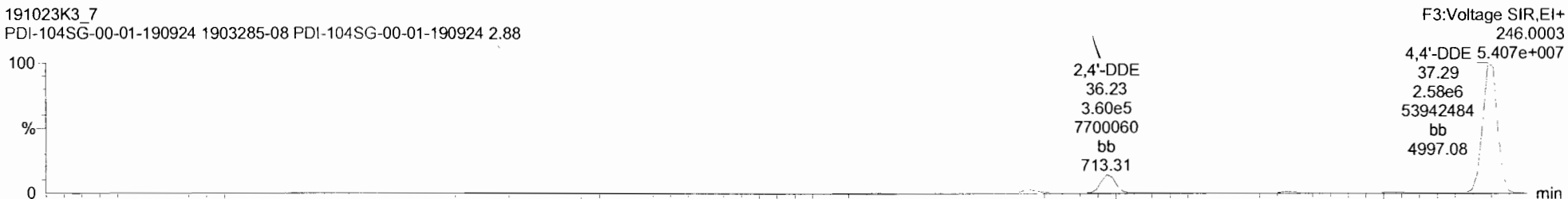
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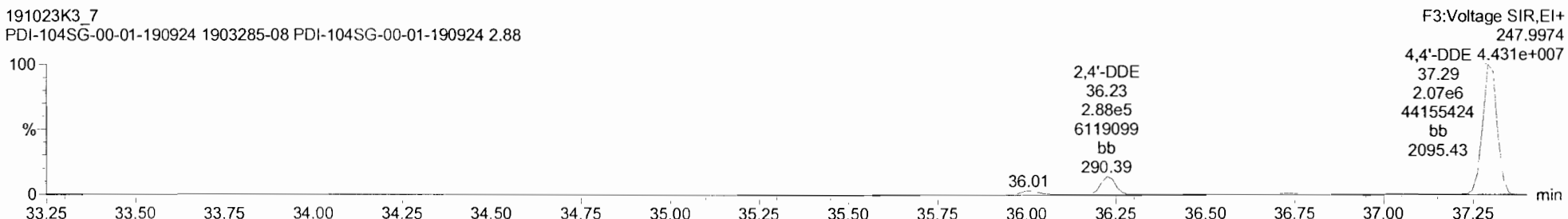
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DDMU-DDE

191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

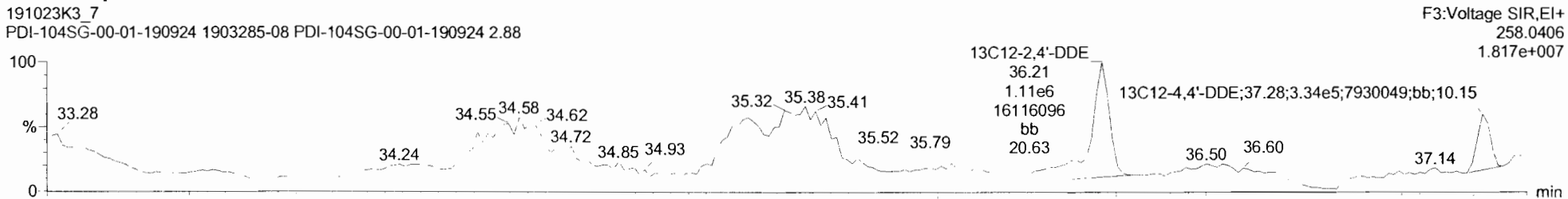


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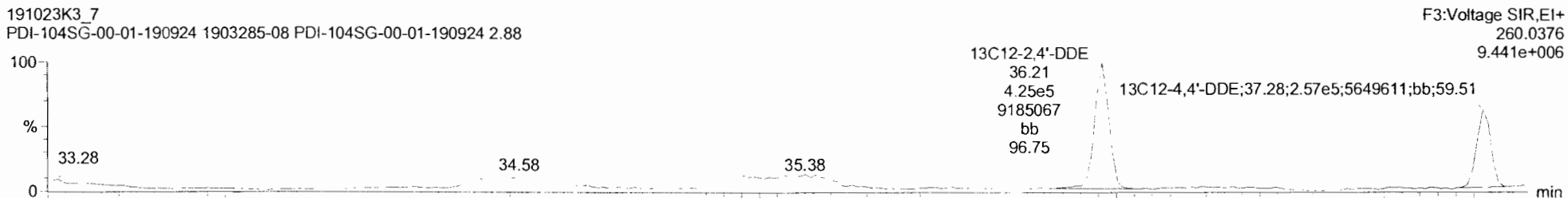


DDE-isotopes

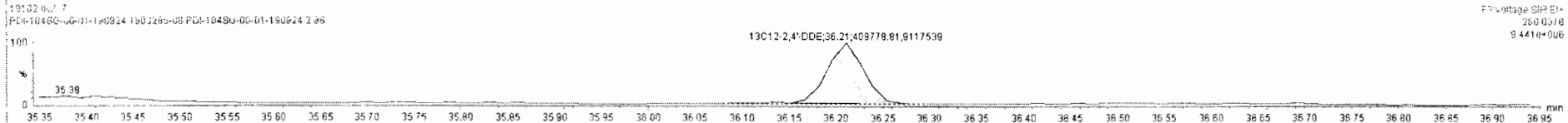
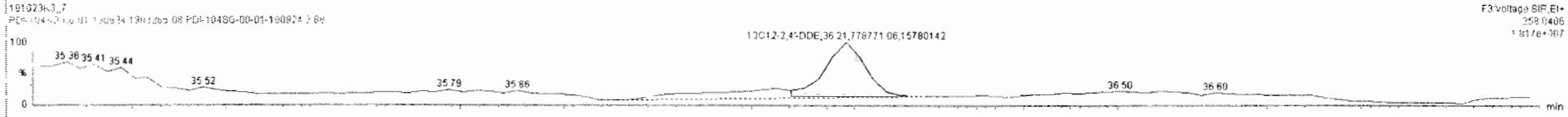
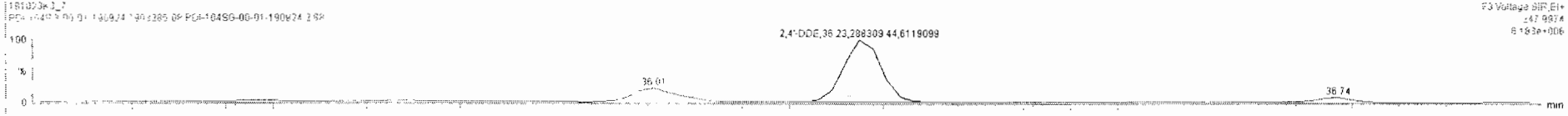
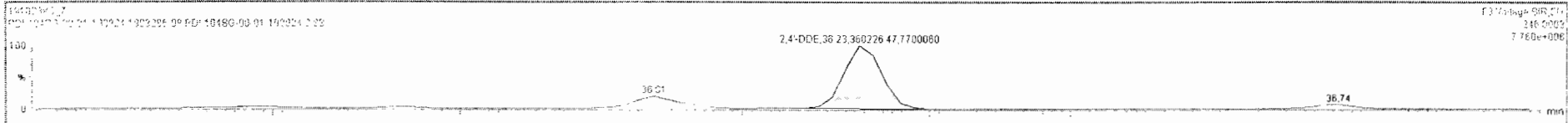
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PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88



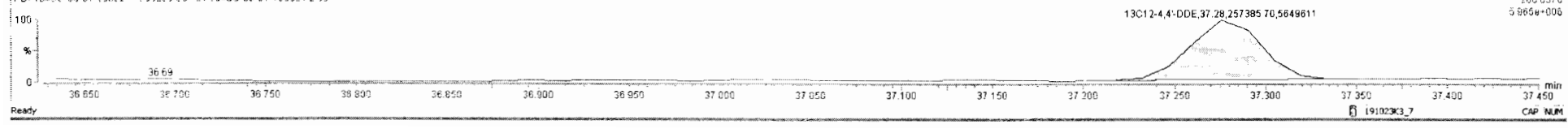
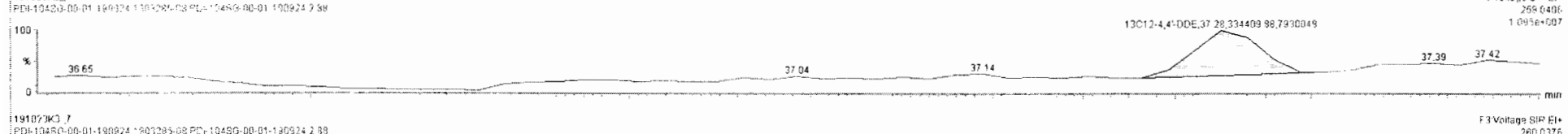
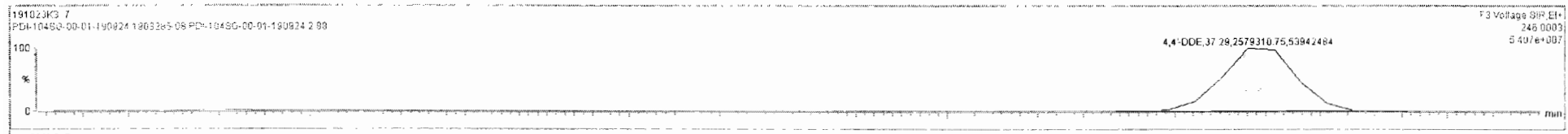
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PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	3.85e4	1.51e6	33	0.38	YES	0.1188	1.067	10.35	10.36	1.001	1.000	NO	2010		14.1	892
2	Hexachlorobenzene	7.24e5	1.16e6	34	1.18	NO	0.8398	1.067	23.16	23.15	1.001	1.001	NO	698		0.245	698
3	Alpha-BHC	3.19e3	4.51e5	35	1.45	YES	0.7511	1.067	23.72	23.69	1.001	1.002	NO	8.83		4.21	7.73
4	Lindane (gamma-BHC)		3.53e5	36		NO	0.7173	1.067	27.06			1.001	YES				7.45
5	Beta-BHC		2.46e5	37		NO	0.8703	1.067	29.05			1.000	NO				6.35
6	Delta-BHC		2.75e5	38		NO	0.8175	1.067	30.73			1.001	YES				5.98
7	Heptachlor	1.60e3	2.24e5	39	0.86	YES	0.8683	1.067	29.18	29.18	1.001	1.001	NO	7.72		4.81	6.42
8	4,4'-DDMU	1.67e5	2.75e5	38	2.94	NO	1.3829	1.067	30.63	30.63	0.997	0.997	NO	418		21.3	418
9	Aldrin	3.15e4	1.72e5	40	1.62	NO	0.9453	1.067	31.28	31.28	1.001	1.001	NO	181		16.4	181
10	Cyfluthrin		3.52e4	41		NO	0.9262	1.067	33.94			1.001	YES				86.7
11	cis-Heptachlor Epoxide		8.12e4	42		NO	0.9366	1.067	34.63			1.001	NO				37.6
12	trans-Heptachlor Epoxide		6.12e4	42		NO	0.2384	1.067	35.12			1.015	YES				148
13	trans-Chlorfloxin (gamma)	1.57e4	4.05e4	43	1.55	NO	0.8804	1.067	35.55	35.54	1.000	1.001	NO	375		57.3	370
14	trans-Nonachlor	1.34e4	5.10e4	44	1.74	NO	0.9021	1.067	35.74	35.73	1.000	1.001	NO	273		50.8	273
15	cis-Chlordane	1.43e4	5.10e4	44	1.48	NO	0.8998	1.067	36.23	36.24	1.015	1.014	NO	293		51.0	293
16	Endosulfan (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES				76.6
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Res	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32				1.001			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.85e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin	5.03e4	8.87e4	48	0.66	YES	0.9273	1.067	37.77	37.78	1.001	1.000	NO	572		39.2	373
21	Endrin		2.86e4	49		NO	0.9016	1.067	39.16				1.000			1.36	
22	cis-Nonachlor	9.71e3	4.46e4	50	0.77	YES	0.9134	1.067	39.45	39.45	1.000	1.000	NO	223		75.6	159
23	Endosulfan II (beta)	1.93e4	1.34e4	51	0.54	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1310		224	780
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	36.39	36.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.6645	1.067	39.53	39.53	1.000	1.000	NO	1280		19.0	1280
26	4,4'-DDD	1.40e7	6.96e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.26e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.18e4	1.21e4	56	0.47	YES	0.8958	1.067	41.88	41.74	0.997	1.000	NO	1890		301	988
29	4,4'-Methoxychlor	1.79e5	4.65e5	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	328		286	328
30	Mirex	1.66e4	1.14e5	58	0.30	YES	0.6698	1.067	44.35	44.38	1.001	1.000	NO	158		59.9	59.3
31	Endrin Aldehyde		2.24e5	59		NO	0.5625	1.067	41.30				1.000			164	
32	Endrin Ketone		3.11e5	60		NO	0.2673	1.067	44.47				1.000			180	



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Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

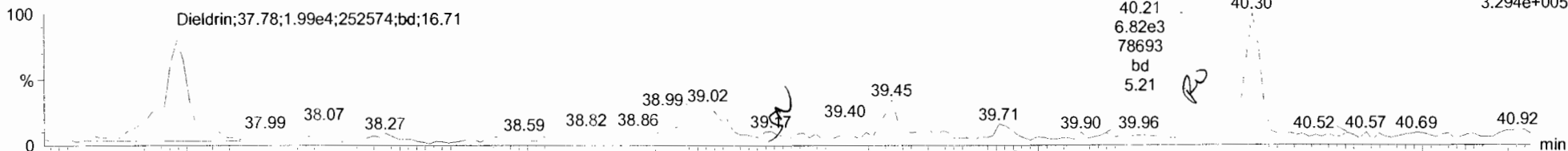
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Dieldrin-EII

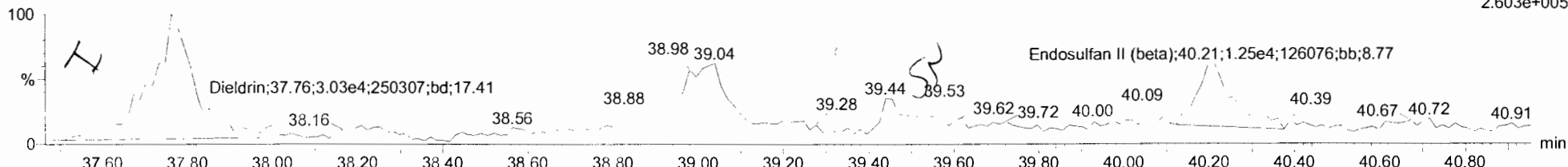
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PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
262.8569
3.294e+005



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

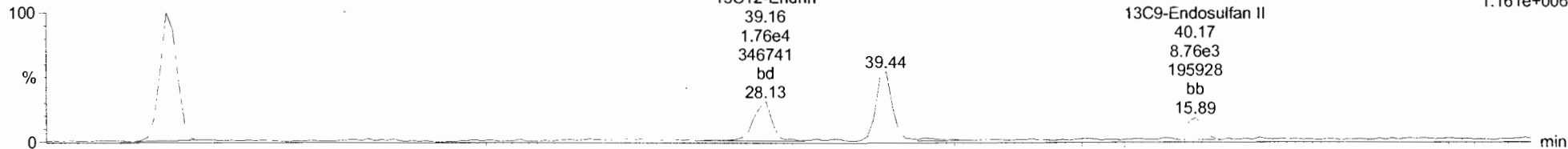
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264.8550
2.603e+005



Dieldrin-EII-isotopes

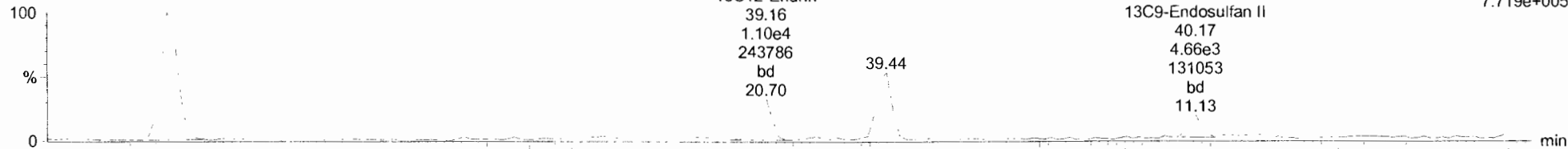
191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
269.8804
1.161e+006

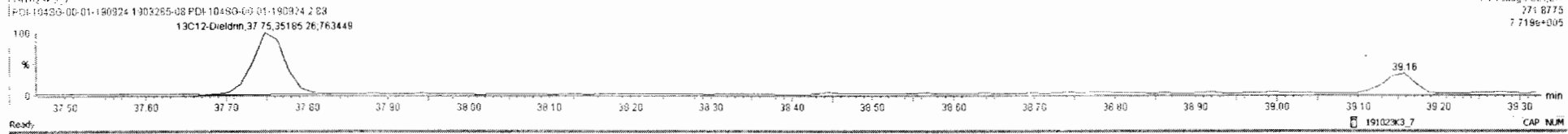
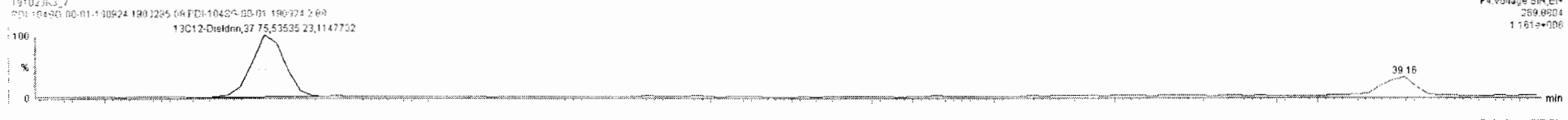
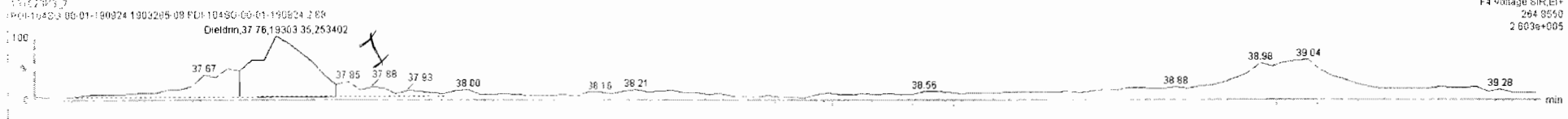
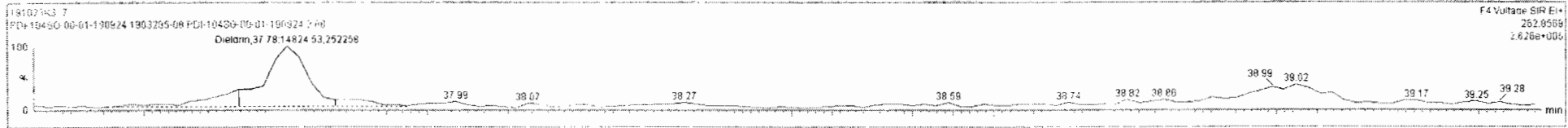


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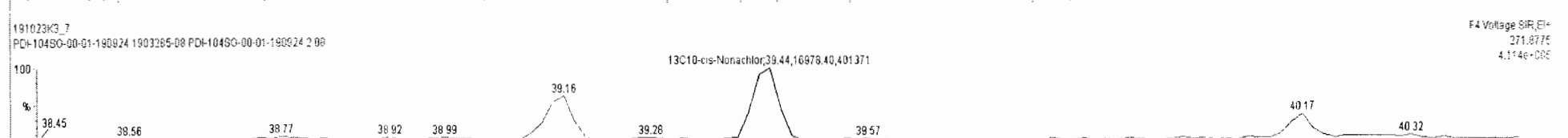
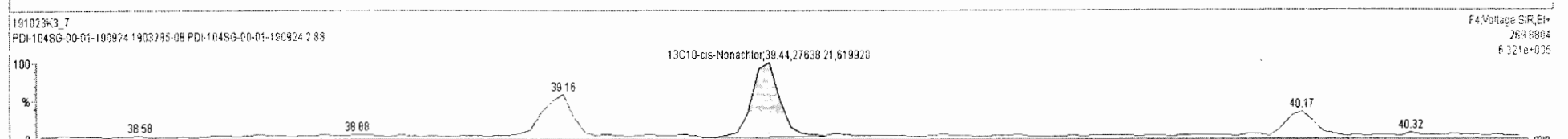
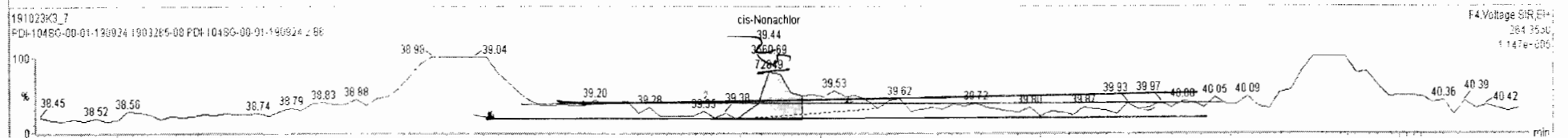
F4:Voltage SIR,EI+
271.8775
7.719e+005



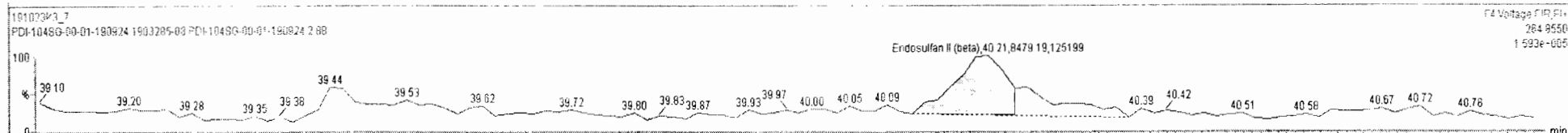
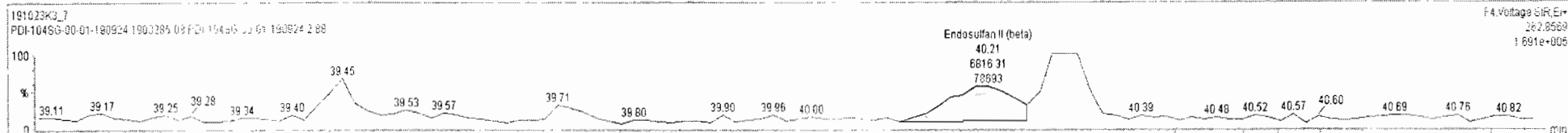
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16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin	3.41e4	8.87e4	48	0.77	YES	0.9273	1.067	37.77	37.76	1.001	1.000	NO	989		39.2	277
21	Endrin		2.86e4	49		NO	0.9016	1.067	39.16			1.000	YES			136	
22	cis-Monochlor	9.71e3	4.48e4	50	0.77	YES	0.9134	1.067	39.45	39.45	1.000	1.000	NO	223		75.6	159
23	Endosulfan II (beta)	1.93e4	1.34e4	51	0.54	YES	1.0290	1.067	40.17	40.21	1.001	1.000	NO	1310		224	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1260		16.0	1260
26	4,4'-DDD	1.40e7	6.96e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.18e4	1.21e4	56	0.47	YES	0.8958	1.067	41.88	41.74	0.997	1.000	NO	1890		301	988
29	4,4'-Methoxychlor	1.79e5	4.65e6	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	328		286	328
30	Hexex	1.66e4	1.14e5	58	0.30	YES	0.9698	1.067	44.35	44.38	1.001	1.000	NO	156		68.9	59.3
31	Endrin Aldehyde		2.24e5	59		NO	0.9625	1.067	41.30			1.000	YES			164	
32	Endrin Ketone		3.11e5	60		NO	0.8673	1.067	44.47			1.000	YES			180	



#	Name	Resp	IS Resp	ISF	RA	n/Y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32				1.001	YES		76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin		8.87e4	48		NO	0.9273	1.067	37.77				1.000	NO			39.2
21	Endrin		2.86e4	49		NO	0.9018	1.067	38.16				1.000	YES			136
22	cis-Nonachlor	7.52e3	4.46e4	50	1.11	YES	0.9134	1.067	39.45	39.45	1.000	1.000	NO	173		75.6	149
23	Endosulfan I (beta)	1.93e4	1.34e4	51	0.54	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1310		224	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.69e5	53	1.54	NO	0.8645	1.067	38.53	38.53	1.000	1.000	NO	1280		16.0	1280
26	4,4'-DDD	1.40e7	6.96e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.18e4	1.21e4	56	0.47	YES	0.8959	1.067	41.88	41.74	0.997	1.000	NO	1890		301	968
29	4,4'-Methoxychlor	1.79e5	4.65e6	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	326		296	328
30	Mirex	1.66e4	1.14e5	58	0.30	YES	0.8699	1.067	44.35	44.38	1.001	1.000	NO	156		68.9	59.3
31	Endrin Aldehyde		2.24e5	59		NO	0.9625	1.067	41.30				1.000	YES			164
32	Endrin Ketone		3.11e5	60		NO	0.8673	1.067	44.47				1.000	YES			180



#	Name	Resp	IS Resp	ISr	RA	nly	RF	wt/ol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0349	1.067	36.32				1.001	YES		76.6	
17	4,4'-DDMU	1.21e5	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1630		37.2	1630
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin		6.67e4	48		NO	0.9273	1.067	37.77				1.000	NO			39.2
21	Endrin		2.66e4	49		NO	0.9018	1.067	39.16				1.000	YES			136
22	cis-Nonachlor		4.46e4	50		NO	0.9134	1.067	39.45				1.000	NO			75.6
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1040		224	760
24	2,4'-DDT	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
26	4,4'-DDT	1.40e7	6.96e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.26e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.78e4	1.21e4	56	0.47	YES	0.8989	1.067	41.88	41.74	0.997	1.000	NO	1690		301	968
29	4,4'-Methoxychlor	1.79e5	4.65e6	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	329		286	328
30	Mirex	1.05e4	1.14e5	58	0.30	YES	0.8080	1.067	44.35	44.30	1.001	1.000	NO	156		68.5	59.0
31	Endrin Aldehyde		2.24e5	59		NO	0.9625	1.067	41.30				1.000	YES			164
32	Endrin Ketone		3.11e5	60		NO	0.8673	1.067	44.47				1.000	YES			180



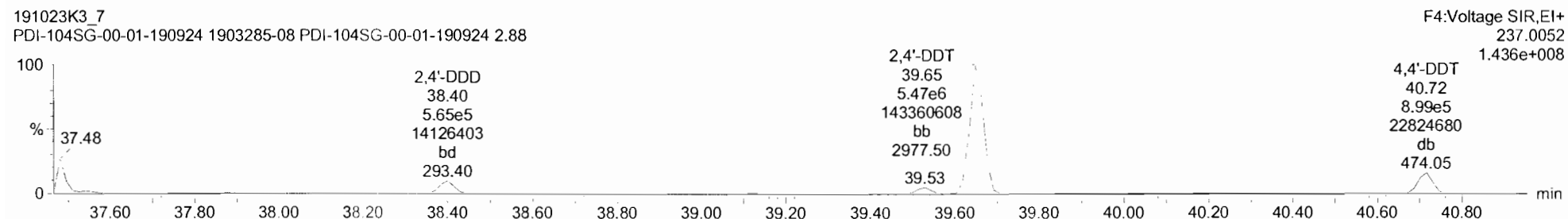
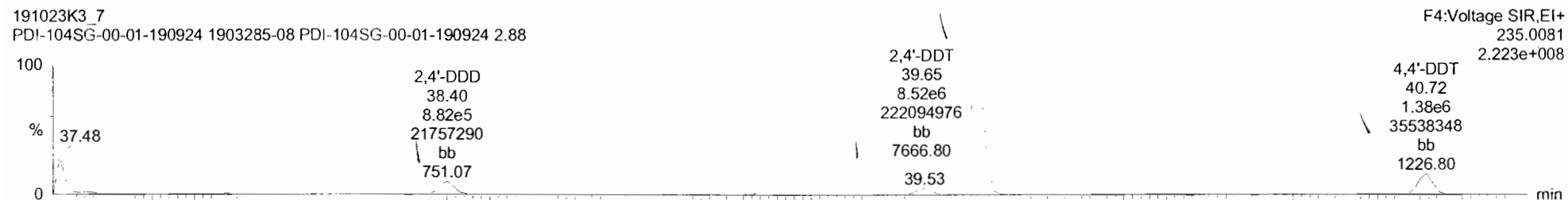
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Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

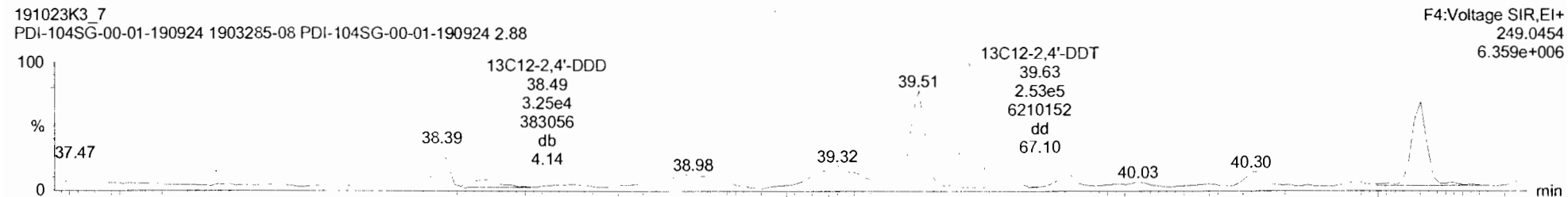
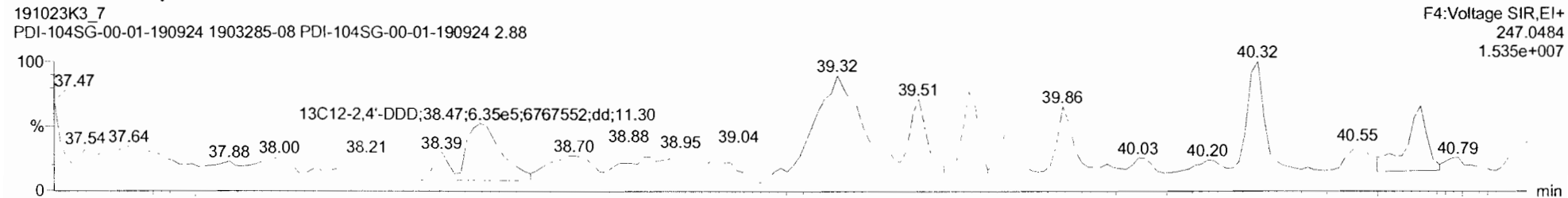
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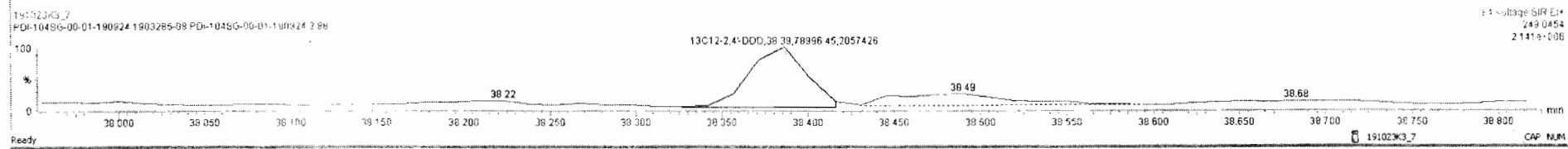
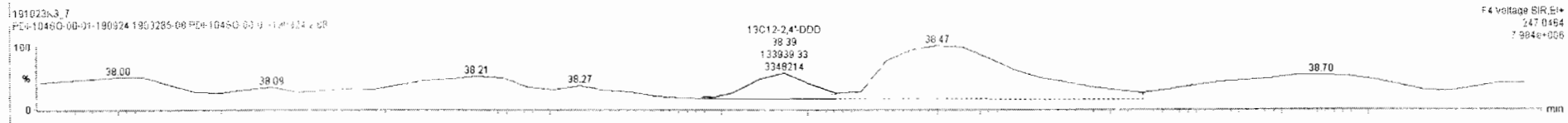
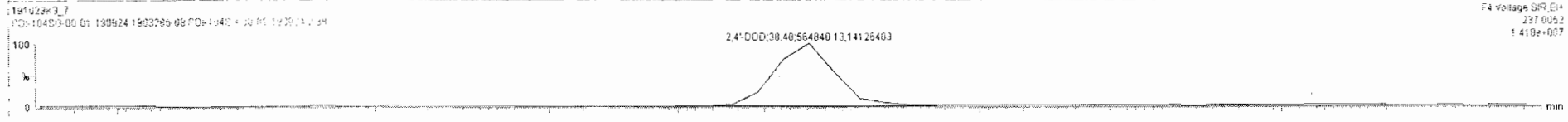
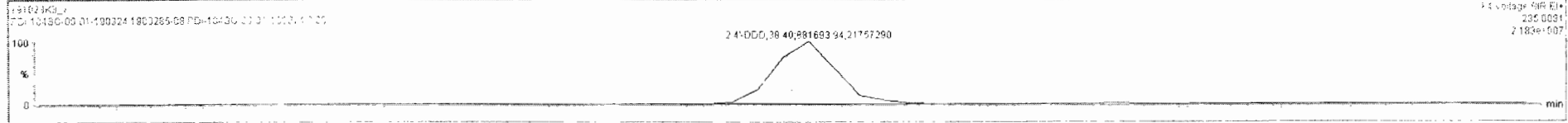
DDD-DDT



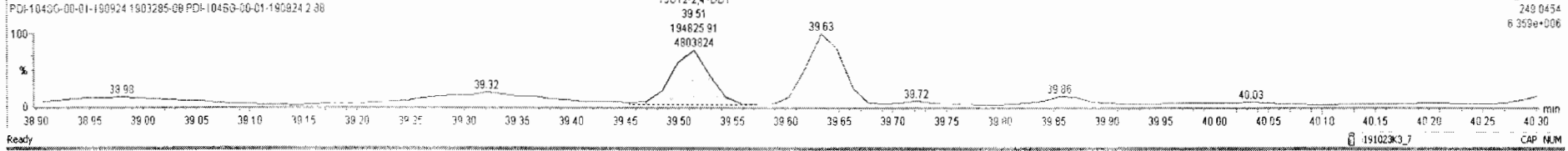
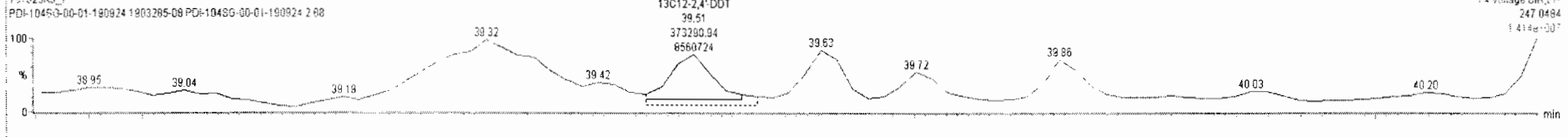
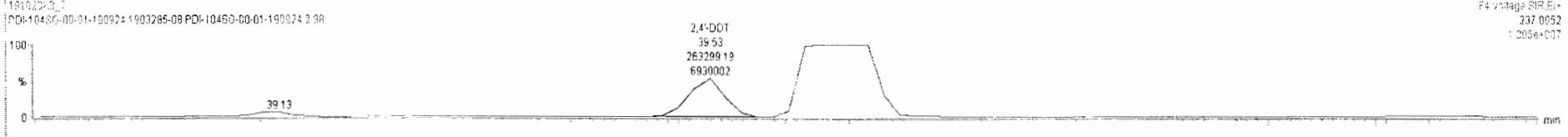
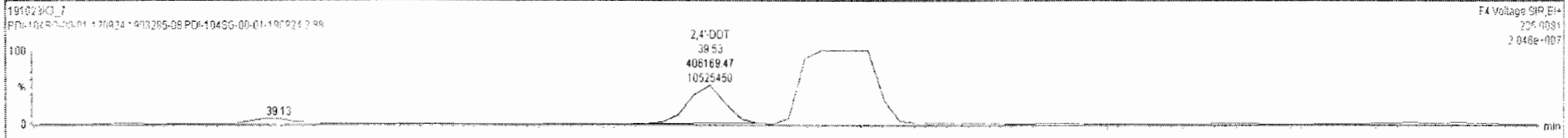
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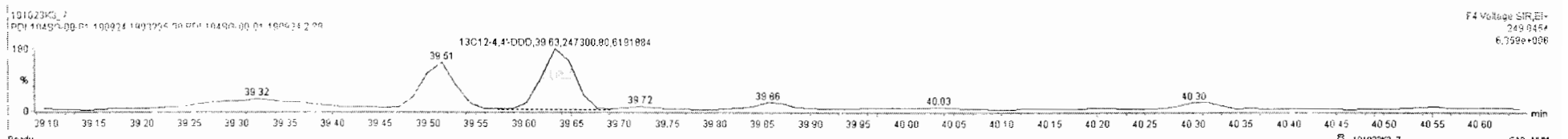
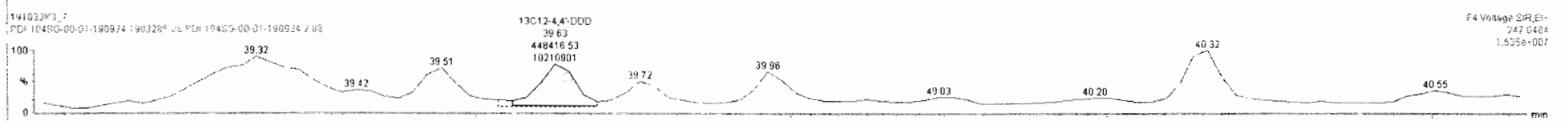
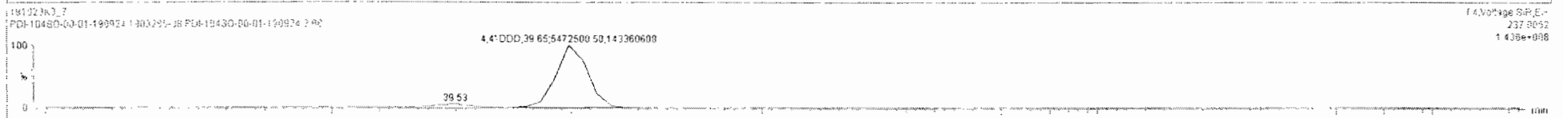
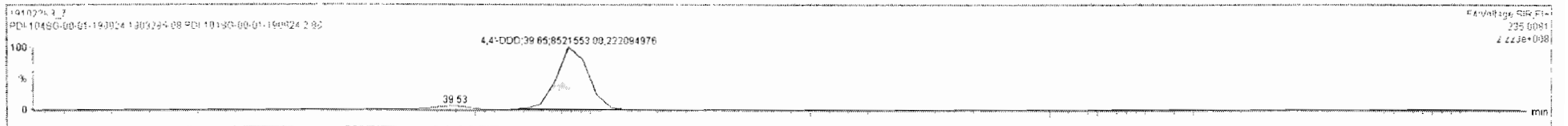
#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/wt	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)	3.22e4	45			NO	1.0348	1.057	36.32			1.001	YES			76.6	
17	1,4'-DDU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.057	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.057	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	1,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.057	37.29	37.29	1.000	1.000	NO	9550		5.90	9550
20	Dieldrin	8.87e4	48			NO	0.9273	1.057	37.77			1.000	NO			39.2	
21	Endrin	2.85e4	49			NO	0.9010	1.057	39.16			1.000	YES			136	
22	dis-Nonachlor	4.46e4	50			NO	0.9134	1.057	39.45			1.000	NO			75.6	
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.057	40.17	40.21	1.001	1.000	NO	1040		224	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.057	38.39	36.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.9645	1.057	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
26	4,4'-DDD	1.40e7	6.96e5	54	1.56	NO	0.9710	1.057	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.057	40.72	40.72	1.000	1.000	NO	4330		17.1	4330
28	Endosulfan Sulfate	2.18e4	1.21e4	56	0.47	YES	0.8958	1.057	41.88	41.74	0.997	1.000	NO	1890		301	366
29	4,4'-Methio-cyfluthrin	1.73e5	4.65e6	57	0.16	NO	1.1019	1.057	43.76	43.81	1.001	1.000	NO	326		268	326
30	Mirex	1.68e4	1.14e5	58	0.30	YES	0.8698	1.057	44.35	44.38	1.001	1.000	NO	156		68.9	59.3
31	Endrin Aldehyde	2.24e5	59			NO	0.9625	1.057	41.30			1.000	YES			164	
32	Endrin Ketone	3.11e5	60			NO	0.8673	1.057	44.47			1.000	YES			180	



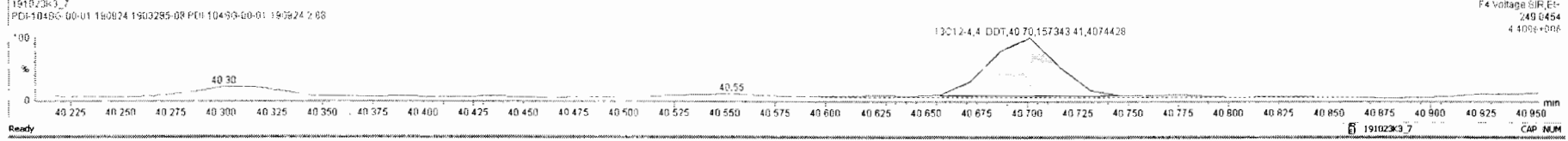
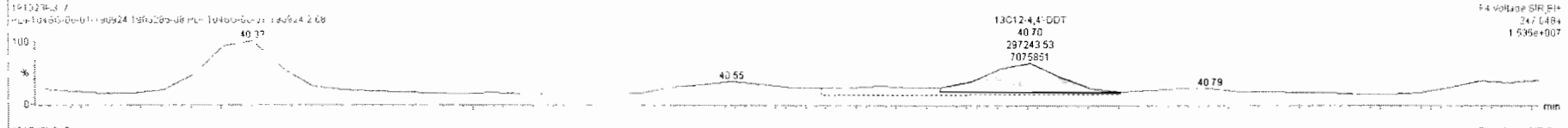
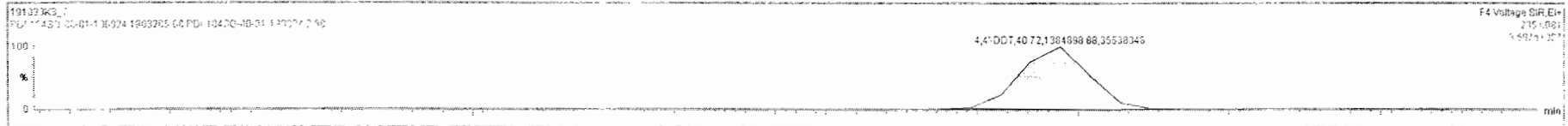
#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtAwt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.28	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin		8.87e4	48		NO	0.9273	1.067	37.77			1.000	NO			39.2	
21	Endrin		2.86e4	49		NO	0.9018	1.067	39.16			1.000	YES			1.36	
22	cis-Nonachlor		4.46e4	50		NO	0.9134	1.067	39.45			1.000	NO			75.6	
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0290	1.067	40.17	40.21	1.001	1.000	NO	1040		2.24	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	8.69e5	5.69e5	53	1.54	NO	0.9845	1.067	39.53	39.53	1.000	1.000	NO	1260		16.0	11990
26	1,4'-DDE	1.40e7	6.96e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.26e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.18e4	1.21e4	56	0.47	YES	0.8956	1.067	41.88	41.74	0.997	1.000	NO	1890		3.01	988
29	1,4'-Methoxychlor	1.79e5	4.65e6	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	328		2.98	328
30	Mexy	1.66e4	1.14e5	58	0.30	YES	0.8698	1.067	44.35	44.38	1.001	1.000	NO	156		68.9	59.3
31	Endrin Aldehyde		2.24e5	59		NO	0.9522	1.067	41.20			1.000	YES			161	
32	Endrin ketone		3.11e5	60		NO	0.8973	1.067	44.47			1.000	YES			180	



#	Name	Resp	IS Resp	ISF	RA	n/y	RF	wtVol	Pred RT	RT	PRT	Pred RRT	Check RRT	Comp	%Rec	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e5	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin		8.87e4	48		NO	0.9273	1.067	37.77			1.000	NO			39.2	
21	Endrin		2.86e4	49		NO	0.9018	1.067	39.16			1.000	YES			136	
22	cis-Nonachlor		4.46e4	50		NO	0.9134	1.067	39.45			1.000	NO			75.8	
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1040		224	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.89e5	53	1.54	NO	0.8945	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
26	4,4'-DDD	1.40e7	6.98e5	54	1.59	NO	0.9710	1.067	39.66	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.20e6	4.55e5	55	1.54	NO	0.9730	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.10e4	1.21e4	56	0.47	YES	0.8958	1.067	41.88	41.74	0.997	1.000	NO	1890		301	909
29	4,4'-Methoxychlor	1.79e5	4.65e6	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	328		286	328
30	Merex	1.66e4	1.14e5	58	0.30	YES	0.8930	1.067	44.35	44.38	1.001	1.000	NO	156		68.3	59.3
31	Endrin Aldehyde		2.24e5	59		NO	0.9525	1.067	41.30			1.000	YES			154	
32	Endrin Ketone		2.11e5	60		NO	0.8673	1.067	44.47			1.000	YES			180	



#	Name	Resp	IS Resp	IS#	RA	IVY	RRF	wt/wt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)	3.22e4	45		NO	1.0346	1.067	36.32				1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin	8.87e4	48		NO	0.9273	1.067	37.77				1.000	NO			39.2	
21	Endrin	2.86e4	49		NO	0.9018	1.067	39.16				1.000	YES			1.36	
22	cis-Nonachlor	4.46e4	50		NO	0.9134	1.067	39.45				1.000	NO			75.6	
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.60	YES	1.0260	1.067	40.17	40.21	1.001	1.000	NO	1040		2.24	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.38	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1260
26	4,4'-DDD	1.40e7	6.96e5	54	1.55	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate	2.18e4	1.21e4	56	0.47	YES	0.8950	1.067	41.86	41.74	0.987	1.000	NO	1890		3.01	988
29	1,4'-Methoxychlor	1.79e3	4.65e3	57	0.18	NO	1.1015	1.067	43.76	43.81	1.001	1.000	NO	328		2.96	328
30	Mirex	1.66e4	1.14e3	58	0.30	YES	0.8993	1.067	44.35	44.38	1.001	1.000	NO	156		68.9	59.3
31	Endrin Aldehyde	2.24e5	59		NO	0.9525	1.067	41.30				1.000	YES			1.64	
32	Endrin Ketone	3.11e5	60		NO	0.8873	1.067	44.47				1.000	YES			1.80	



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

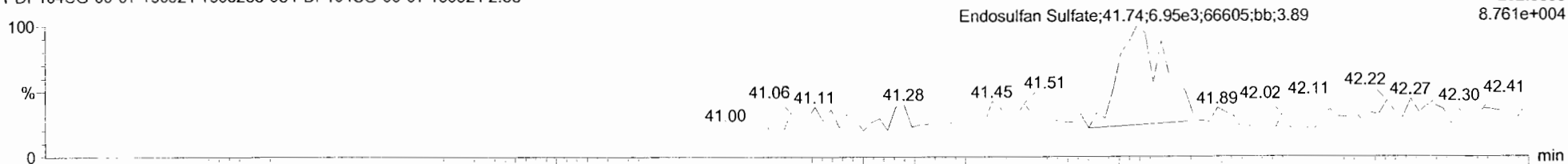
Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

Name: 191023K3_7, Date: 24-Oct-2019, Time: 10:30:36, ID: 1903285-08 PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

Endosulfan Sulfate

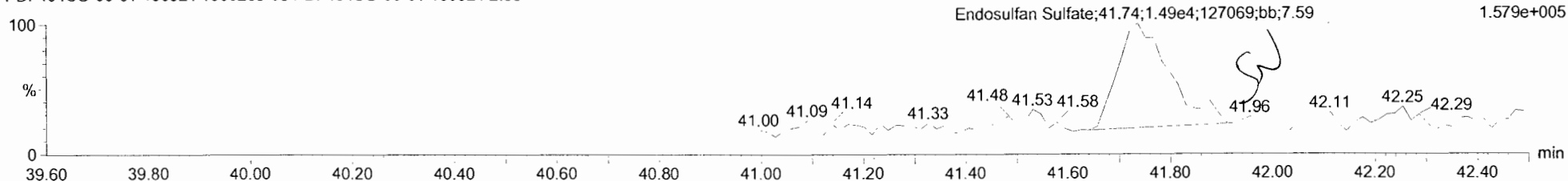
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PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
262.8569
8.761e+004



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

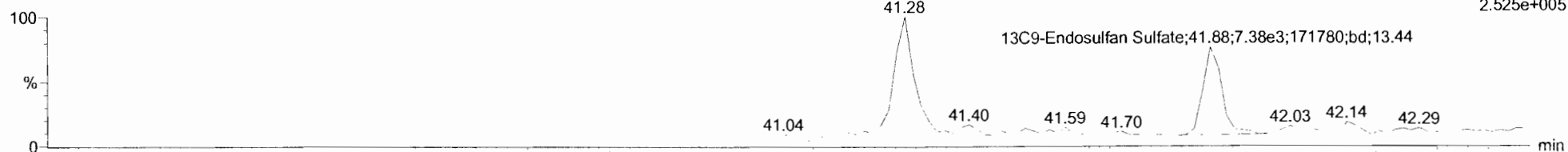
F5:Voltage SIR,EI+
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1.579e+005



¹³C9-Endosulfan Sulfate

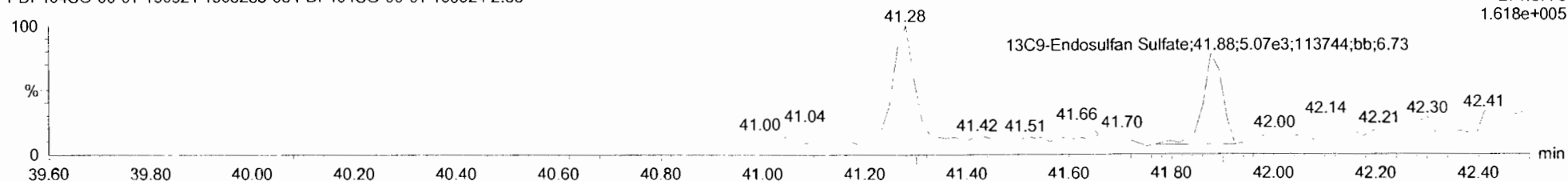
191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
269.8804
2.525e+005

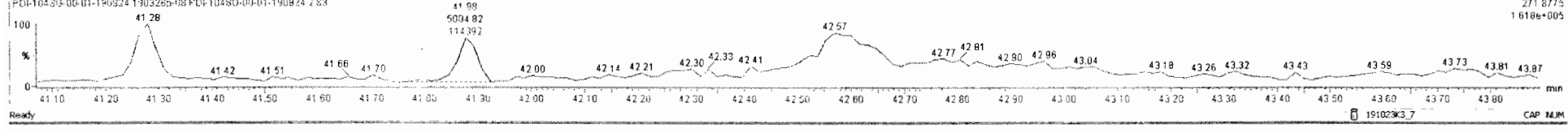
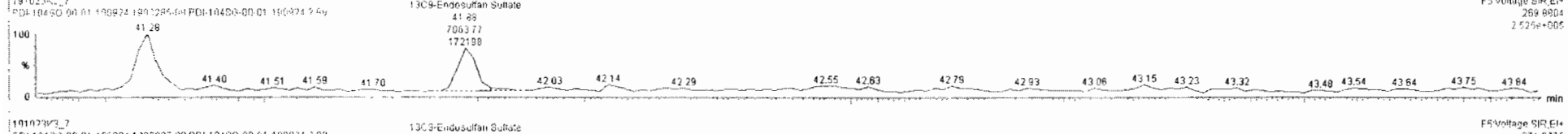
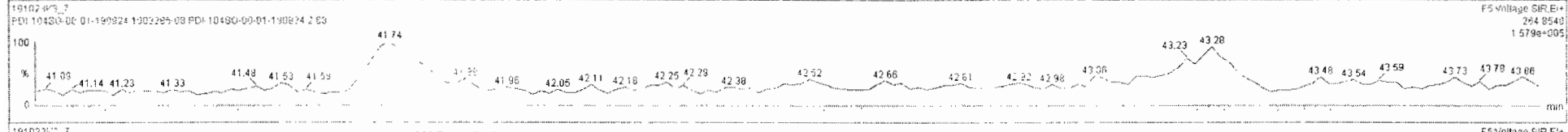
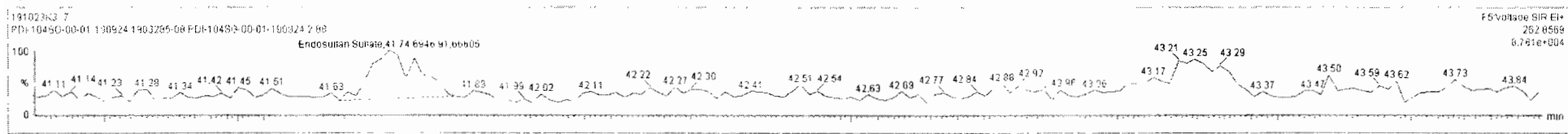


191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
271.8775
1.618e+005



#	Name	Resp	IS Resp	CF	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.80	9550
20	Dieldrin		8.87e4	48		NO	0.9273	1.067	37.77			1.000	NO			39.2	
21	Endrin		2.86e4	49		NO	0.9018	1.067	39.16			1.000	YES			1.36	
22	cis-Nonachlor		4.46e4	50		NO	0.9134	1.067	39.45			1.000	NO			75.8	
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1040		224	780
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.69e5	53	1.54	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1260		16.0	1260
26	4,4'-DDD	1.40e7	6.98e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.26e6	4.55e5	55	1.54	NO	0.9736	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate		1.21e4	56		NO	0.8958	1.067	41.88			1.000	NO			301	
29	4,4'-Methoxychlor	1.79e5	4.65e6	57	0.18	NO	1.1019	1.067	43.76	43.81	1.001	1.000	NO	326		286	328
30	Mirex	1.66e4	1.14e5	58	0.30	YES	0.8693	1.067	44.35	44.38	1.001	1.000	NO	156		68.9	59.3
31	Endrin Aldehyde		2.24e5	59		NO	0.9625	1.067	41.30			1.000	YES			164	
32	Endrin Ketone		3.11e5	60		NO	0.8673	1.067	44.47			1.000	YES			180	



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Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

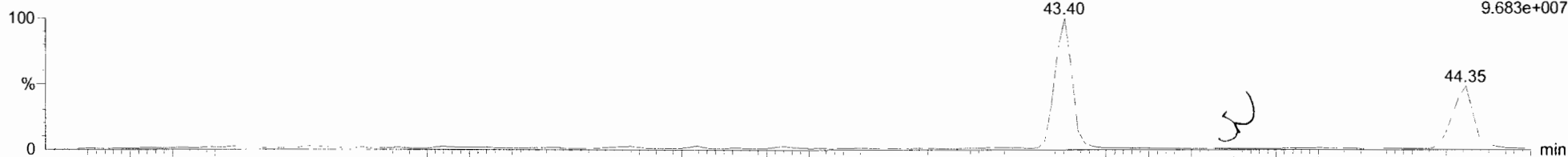
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4,4'-Methoxychlor

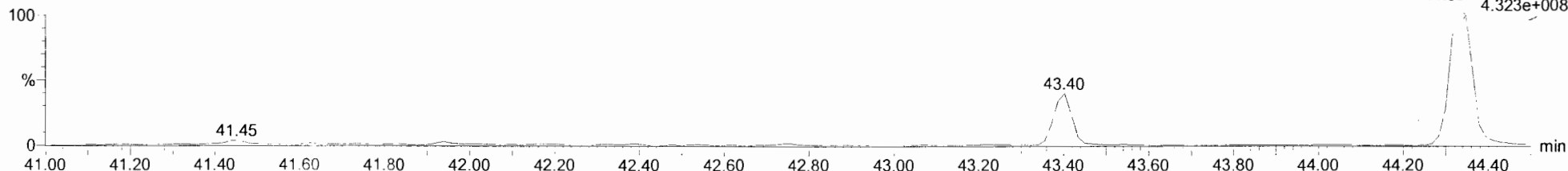
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F5:Voltage SIR,EI+
227.1072
9.683e+007



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

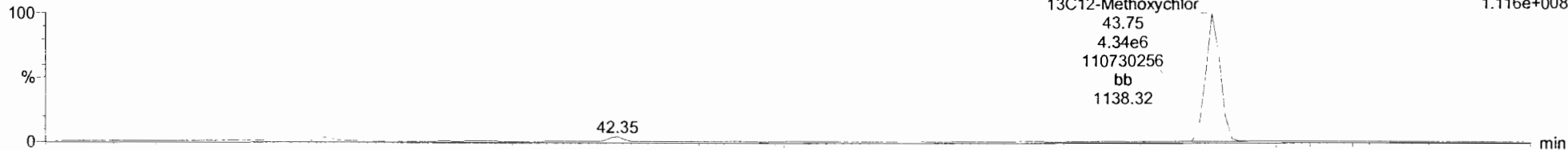
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13C12-Methoxychlor

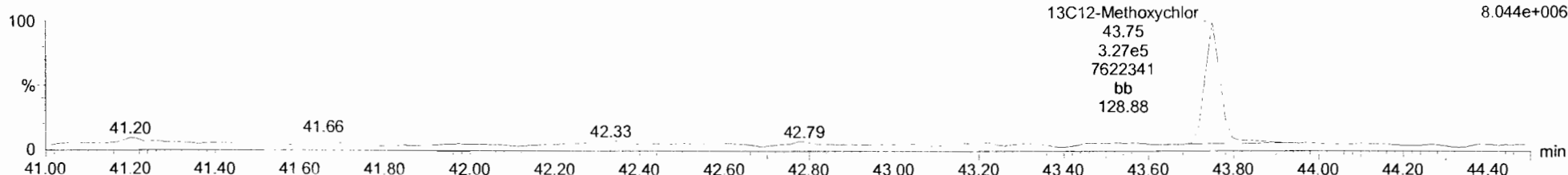
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F5:Voltage SIR,EI+
239.1475
1.116e+008



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
240.1508
8.044e+006

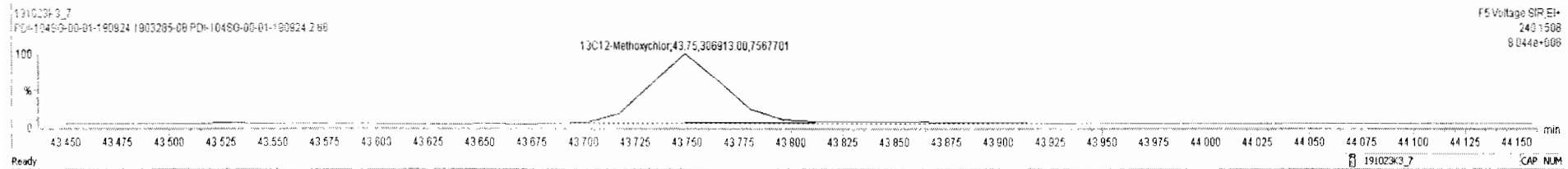
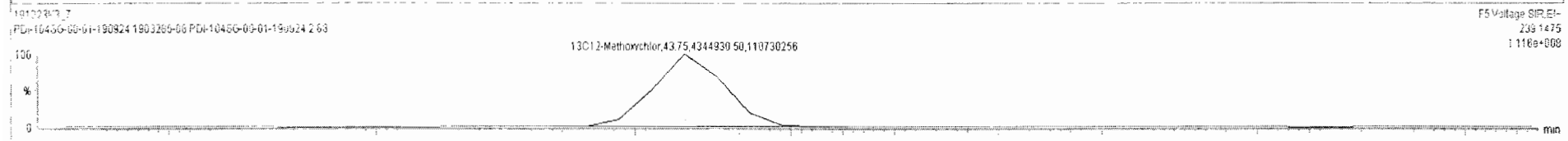
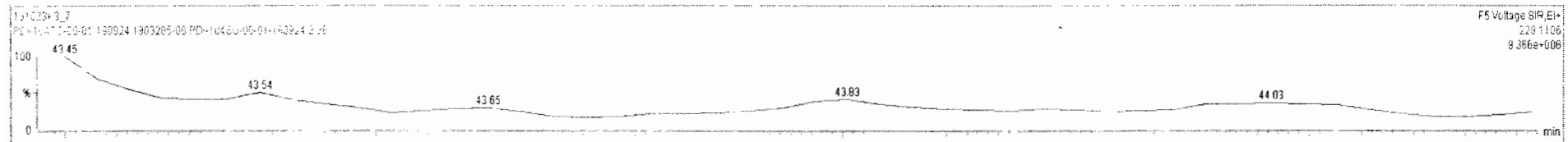
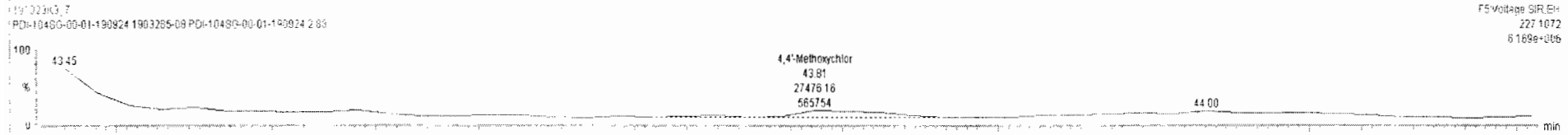


TargetLynx - 191023K3_7.qld * [Chromatogram]

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191023K3_7 - 1903285-08 PDI-104SG-00-01-190924 2 88 PDI-104SG-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	n/y	PPF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	BMP
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	1.001	YES		76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.08	675
19	4,4'-DDE	4.65e5	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin		8.87e4	48		NO	0.9273	1.067	37.77			1.000	NO			39.2	
21	Endrin		2.86e4	49		NO	0.9018	1.067	39.16			1.000	YES			136	
22	cis-Nonachlor		4.46e4	50		NO	0.9134	1.067	39.45			1.000	NO			75.6	
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1040		224	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		36.1	7150
25	2,4'-DDT	6.68e5	5.66e5	53	1.34	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
26	4,4'-DDD	1.40e7	6.98e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.20e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	Endosulfan Sulfate		1.21e4	56		NO	0.8958	1.067	41.88			1.000	NO			301	
29	4,4'-Methoxychlor		4.85e6	57		NO	1.1019	1.067	43.76			1.000	NO			286	
30	Mirex	1.66e4	1.14e5	58	0.30	YES	0.8630	1.067	44.35	44.38	1.001	1.000	NO	156		69.9	59.3
31	Endrin Aldetide		2.24e5	59		NO	0.9625	1.067	41.30			1.000	YES			164	
32	Endrin Ketone		3.11e5	60		NO	0.8673	1.067	44.47			1.000	YES			180	



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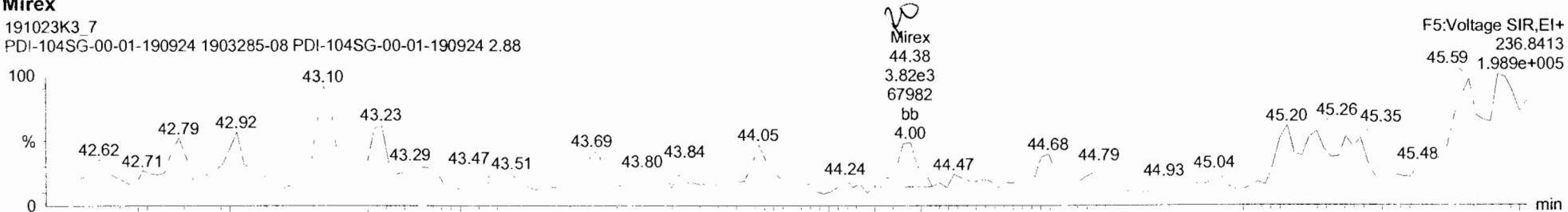
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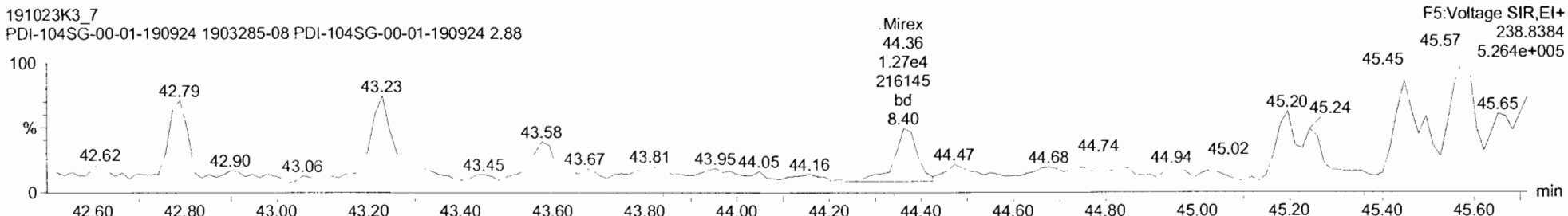
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Mirex

191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

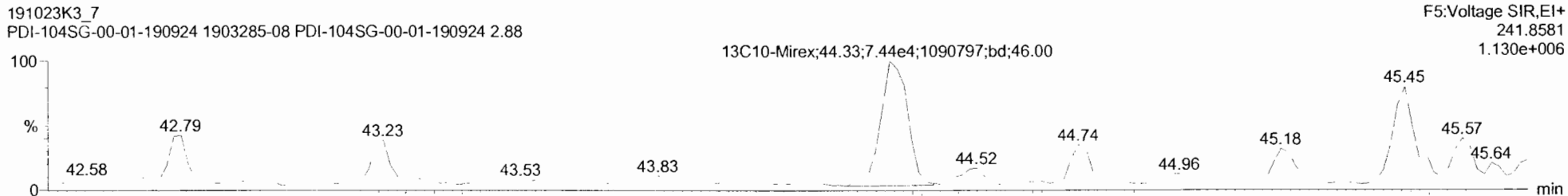


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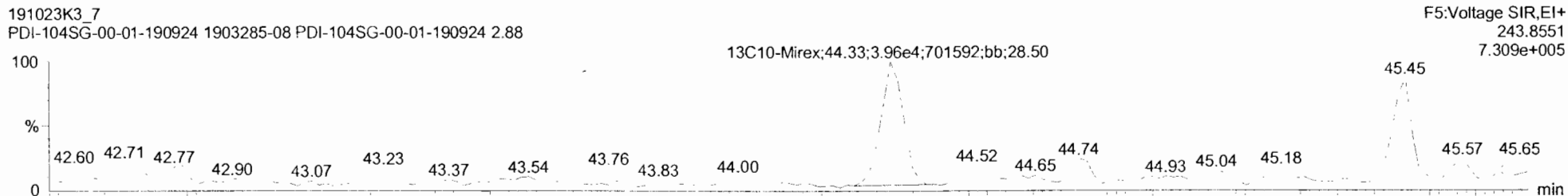


13C10-Mirex

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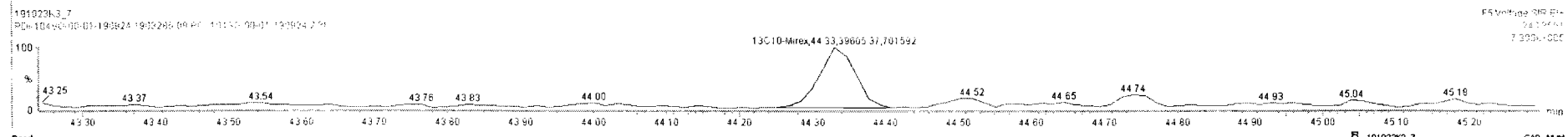
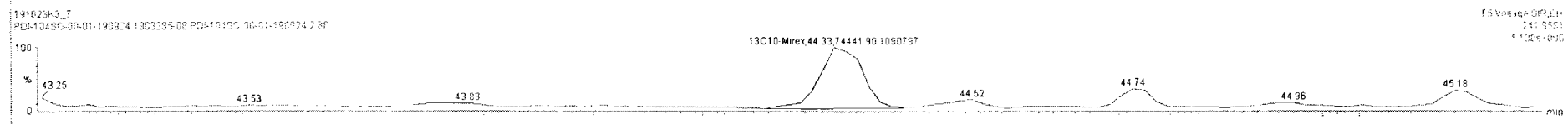
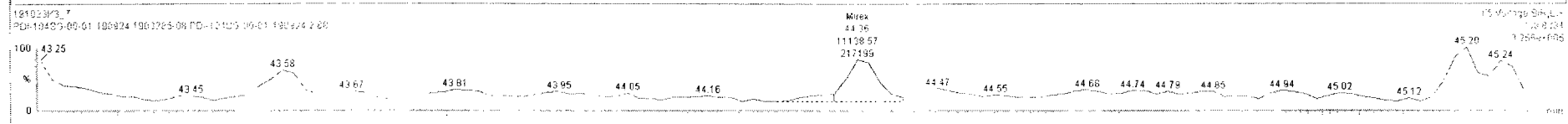
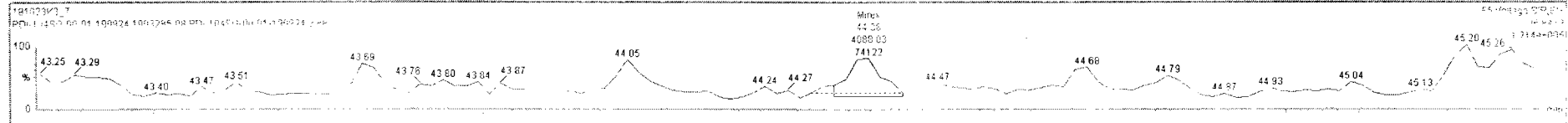


191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88



191023K3_7 - 1903285-08 PDI-104SG-00-01-190924 2.88 - PDI-104SG-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	only	RRF	wtVcst	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)	3.22e4	45			NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	17 4,4'-DDMJ	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	18 2,4'-DDE	6.48e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	19 4,4'-DDE	4.85e6	5.92e5	47	1.34	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	20 Dieldrin	8.87e4	48			NO	0.9273	1.067	37.77			1.000	NO			39.2	
21	21 Endrin	2.86e4	49			NO	0.9018	1.067	39.16			1.000	YES			136	
22	22 cis-Nonachlor	4.46e4	50			NO	0.9134	1.067	39.45			1.000	NO			75.6	
23	23 Endosulfan I (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1040		224	760
24	24 2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	36.39	36.40	1.000	1.000	NO	7150		38.1	7150
25	25 2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
26	26 1,4'-DDD	1.40e7	6.96e5	54	1.56	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	27 1,4'-DDT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4830		17.1	4830
28	28 Endosulfan Sulfate	1.21e4	56			NO	0.8959	1.067	41.88			1.000	NO			301	
29	29 4,4'-Methoxychlor	4.65e6	57			NO	1.1019	1.067	43.76			1.000	NO			268	
30	30 Mirex	1.62e4	1.14e5	58	0.37	YES	0.8998	1.067	44.35	44.38	1.001	1.000	NO	144		68.9	634
31	31 Endrin Aldehyde	2.24e5	59			NO	0.9525	1.067	41.30			1.000	YES			164	
32	32 Endrin Ketone	3.11e5	60			NO	0.8673	1.067	44.47			1.000	YES			180	



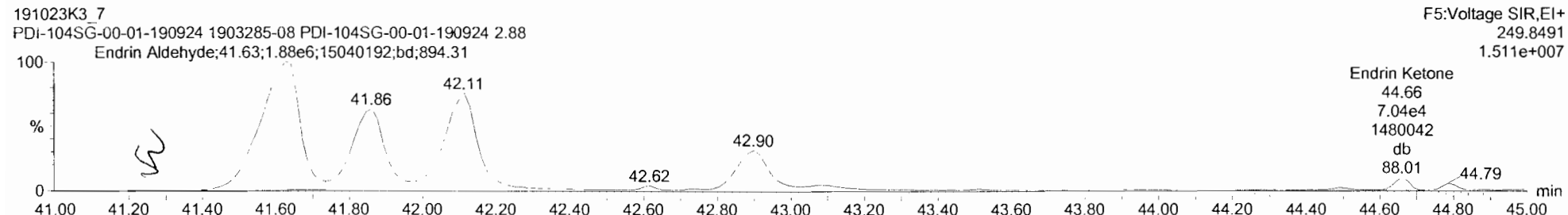
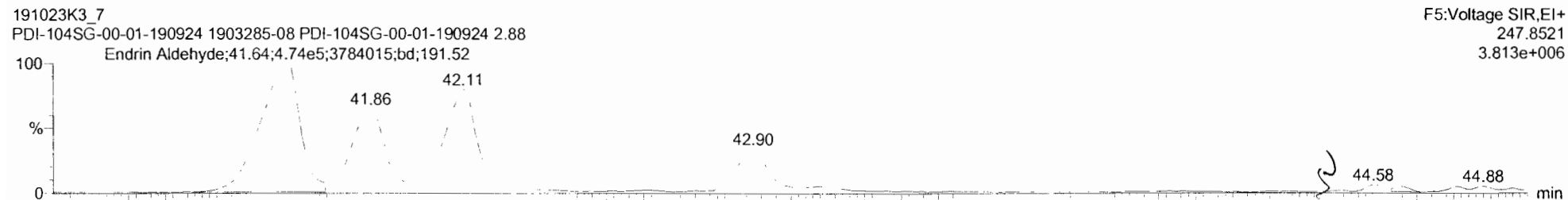
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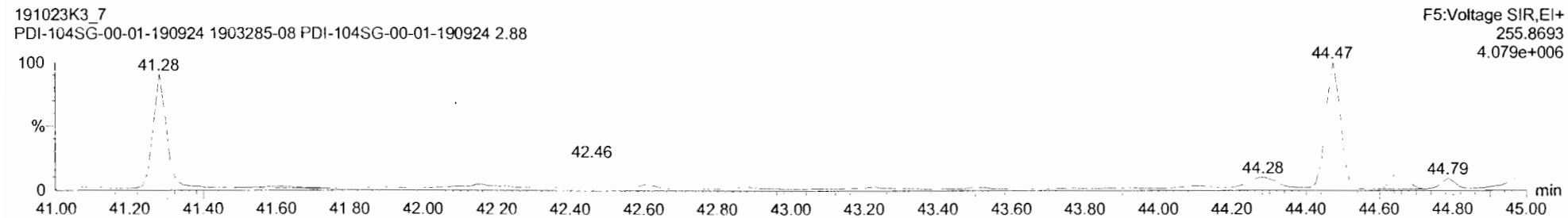
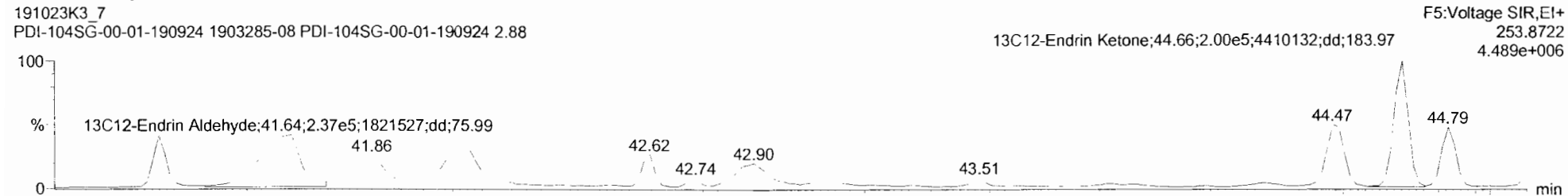
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EA-EK

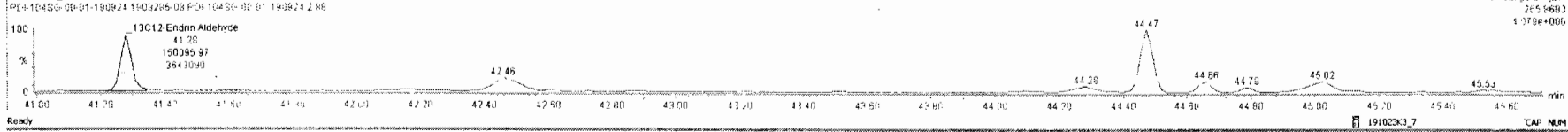
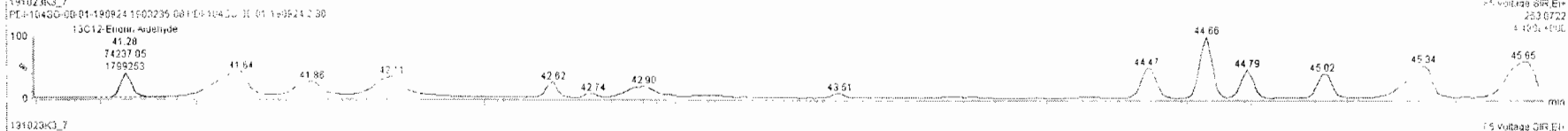
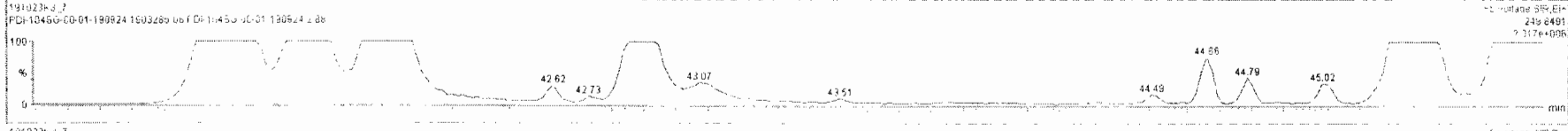
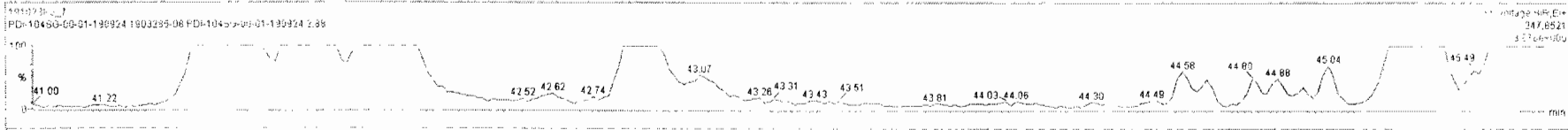


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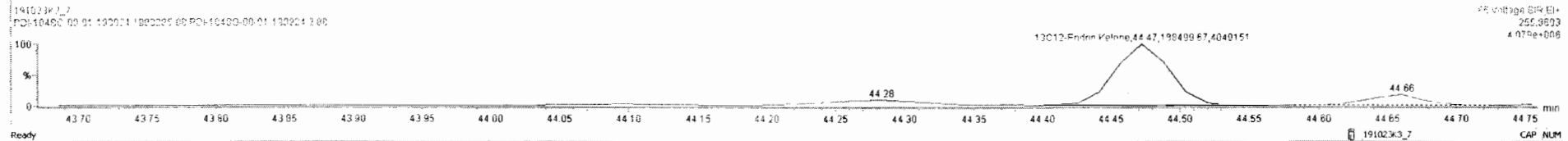
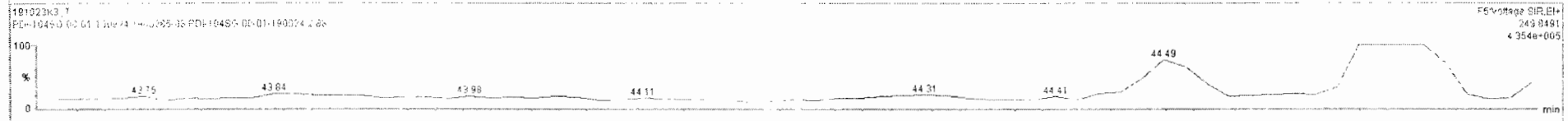
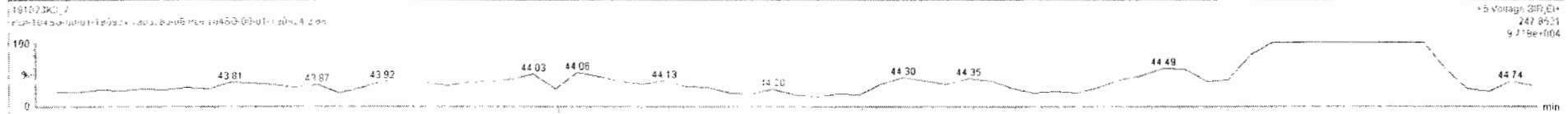


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#	Name	Resp	IS Resp	IS#	PA	n/y	RF#	wt%	Pred RT	RT	IBRT	Pred PRT	Check PRT	Conc	%Rec	DL	EMPC
16	Endosulfan I (alpha)	3.22e4	45			NO	1.0345	1.067	36.32			1.001	YES				76.6
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830			1830
18	4,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.057	36.22	36.23	1.000	1.000	NO	675			675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550			9550
20	Endrin		3.87e4	48		NO	0.9273	1.057	37.77			1.000	NO				38.2
21	Endrin		2.86e4	49		NO	0.9018	1.057	36.16			1.000	YES				136
22	cis-Nonachlor		4.45e4	50		NO	0.9134	1.067	39.45			1.000	NO				75.6
23	Endosulfan II (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.057	40.17	40.21	1.001	1.000	NO	1040			224 780
24	2,4'-DDO	1.45e6	2.13e5	52	1.59	NO	0.8301	1.057	38.39	39.40	1.000	1.000	NO	7150			30.1 7150
25	2,4'-DOT	6.89e5	5.69e5	53	1.54	NO	0.8645	1.067	39.53	39.53	1.000	1.000	NO	1280			16.0 1280
26	4,4'-DDD	1.40e7	6.92e5	54	1.56	NO	0.9710	1.057	39.65	39.65	1.000	1.000	NO	19400			11.7 19400
27	4,4'-DOT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.057	40.72	40.72	1.000	1.000	NO	4830			17.1 4830
28	Endosulfan Sulfate		1.21e4	56		NO	0.8368	1.067	41.69			1.000	NO				301
29	4,4'-Methoxychlor		4.60e4	57		NO	1.1019	1.067	42.76			1.000	NO				295
30	Mexex	1.53e4	1.14e5	58	0.37	YES	0.6989	1.047	44.35	44.36	1.001	1.000	NO	144			69.9 63.4
31	Endrin Alderhyde		2.24e6	59		NO	0.9625	1.067	41.30			1.000	YES				164
32	Endrin Ketone		2.11e5	60		NO	0.6613	1.067	44.47			1.000	YES				180



#	Name	Resp	IS Resp	IS#	RA	nV	RRF	wVvol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
16	Endosulfan I (alpha)		3.22e4	45		NO	1.0348	1.067	36.32			1.001	YES			76.6	
17	4,4'-DDMU	1.21e6	1.19e6	46	3.17	NO	0.5214	1.067	36.00	36.01	0.994	0.994	NO	1830		37.2	1830
18	2,4'-DDE	6.49e5	1.19e6	46	1.25	NO	0.7575	1.067	36.22	36.23	1.000	1.000	NO	675		4.09	675
19	4,4'-DDE	4.65e6	5.92e5	47	1.24	NO	0.7713	1.067	37.29	37.29	1.000	1.000	NO	9550		6.90	9550
20	Dieldrin		8.87e4	48		NO	0.9273	1.067	37.77			1.000	NO			39.2	
21	Endrin		2.86e4	49		NO	0.9018	1.067	39.16			1.000	YES			136	
22	cis-Nonachlor		4.46e4	50		NO	0.9134	1.067	39.45			1.000	NO			75.6	
23	Endosulfan I (beta)	1.53e4	1.34e4	51	0.80	YES	1.0280	1.067	40.17	40.21	1.001	1.000	NO	1040		224	760
24	2,4'-DDD	1.45e6	2.13e5	52	1.56	NO	0.8901	1.067	38.39	38.40	1.000	1.000	NO	7150		38.1	7150
25	2,4'-DDT	6.69e5	5.68e5	53	1.54	NO	0.8845	1.067	39.53	39.53	1.000	1.000	NO	1280		16.0	1280
26	4,4'-DDD	1.40e7	6.96e5	54	1.58	NO	0.9710	1.067	39.65	39.65	1.000	1.000	NO	19400		11.7	19400
27	4,4'-DDT	2.28e6	4.55e5	55	1.54	NO	0.9738	1.067	40.72	40.72	1.000	1.000	NO	4930		17.1	4930
28	Endosulfan Sulfate		1.21e4	56		NO	0.8330	1.067	41.06			1.000	NO			101	
29	4,4'-Methoxychlor		4.65e6	57		NO	1.1019	1.067	43.76			1.000	NO			286	
30	Mirex	1.52e4	1.14e5	59	0.37	YES	0.8998	1.067	44.35	44.38	1.001	1.000	NO	144		68.3	83.4
31	Endrin Aldehyde		2.24e5	59		NO	0.9625	1.067	41.30			1.000	YES			164	
32	Endrin Ketone		3.11e5	60		NO	0.8673	1.067	44.47			1.000	YES			180	



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

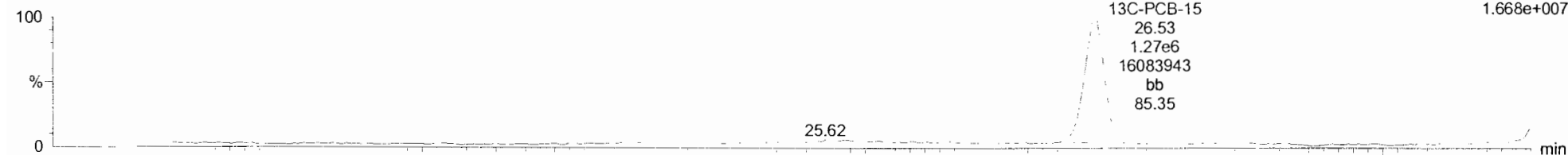
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Name: 191023K3_7, Date: 24-Oct-2019, Time: 10:30:36, ID: 1903285-08 PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

13C-PCB-15

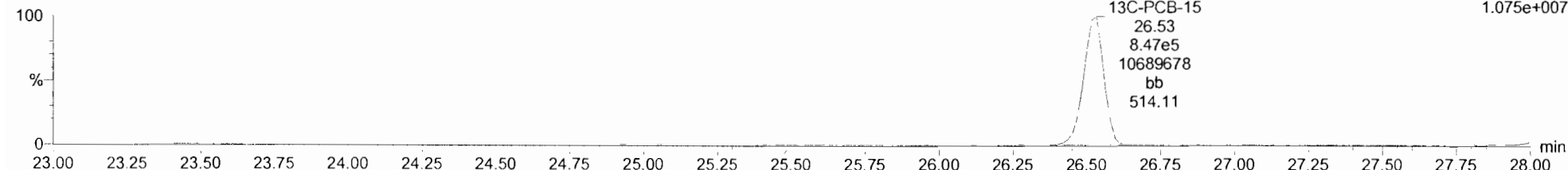
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PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F2:Voltage SIR,EI+
234.0406
1.668e+007



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F2:Voltage SIR,EI+
236.0376
1.075e+007



13C-PCB-60

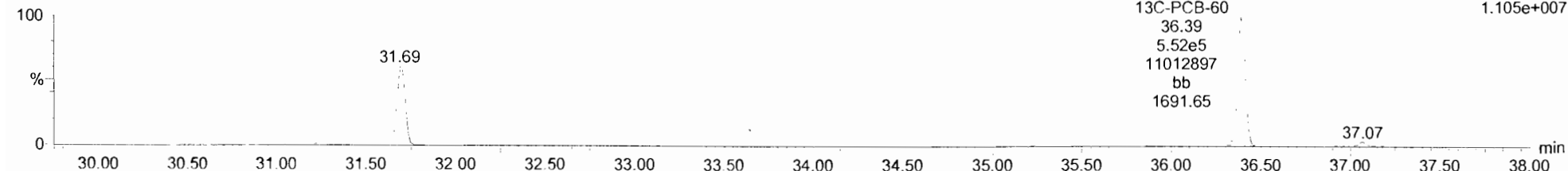
191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F3:Voltage SIR,EI+
301.9626
7.572e+006

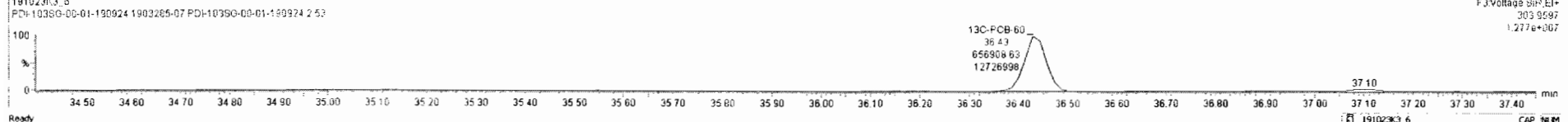
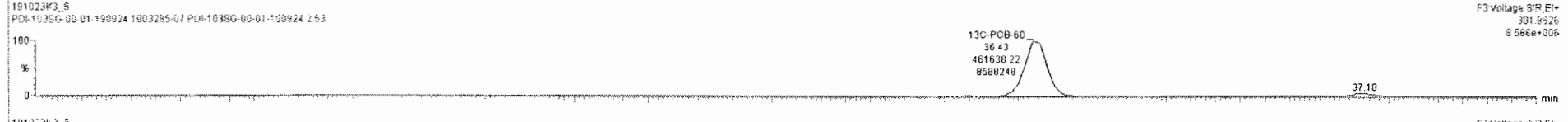
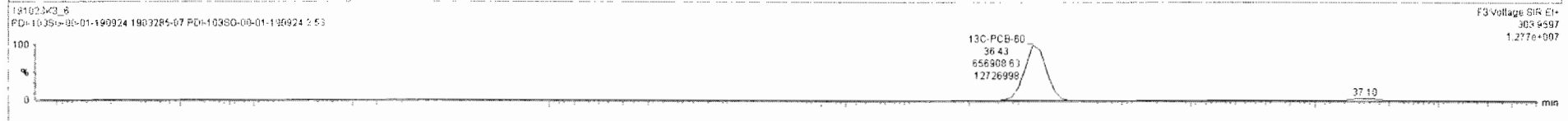
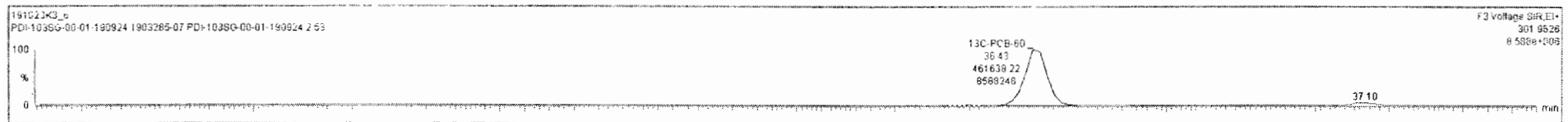


191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F3:Voltage SIR,EI+
303.9597
1.105e+007



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/mol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
51	13C9-Endosulfan II	1.64e4	2.43e6	62	1.43	NO	0.0145	1.128	40.26	40.17	1.103	1.106	NO	411	46.4	89.6	
52	13C12-2,4'-DDO	2.66e5	2.43e6	62	1.80	NO	0.6534	1.128	38.47	38.40	1.448	1.451	NO	148	16.7	25.2	
53	13C12-2,4'-DDT	6.24e5	2.43e6	62	1.81	NO	0.4433	1.128	39.59	39.65	1.495	1.493	NO	513	57.8	37.1	
54	13C12-4,4'-DDO	3.46e5	2.43e6	62	22.09	YES	0.5502	1.128	39.71	39.74	1.499	1.499	NO	226	25.6	29.9	
55	13C12-4,4'-DDT	5.28e5	2.43e6	62	1.86	NO	0.3542	1.128	40.79	40.70	1.535	1.538	NO	543	61.3	46.4	
56	13C9-Endosulfan Sulfate	1.50e4	2.43e6	62	1.84	NO	0.0239	1.128	41.99	41.88	1.150	1.153	NO	228	25.7	59.6	
57	13C12-Methoxychlor	4.89e6	2.43e6	62	12.19	NO	0.3615	1.128	43.86	43.75	1.201	1.204	NO	4520	51.0	35.9	
58	13C10-Mirex	1.33e5	2.43e6	62	1.97	YES	0.1835	1.128	44.46	44.33	1.217	1.220	NO	265	29.9	22.6	
59	13C12-Endrin Aldehyde	2.32e5	2.43e6	62	0.44	NO	0.0307	1.128	41.39	41.28	1.133	1.136	NO	2750	31.1	95.2	
60	13C12-Endrin Ketone	5.24e5	2.43e6	62	6.20	YES	0.0240	1.128	44.58	44.66	1.225	1.224	NO	7950	89.6	122	
61	13C-PCB-52	7.11e5	7.11e5	61	0.70	NO	1.0000	1.128	31.61	31.70	1.000	1.000	NO	887	100	2.58	
62	13C-PCB-15	2.43e6	2.43e6	62	1.50	NO	1.0000	1.128	26.42	26.52	1.000	1.000	NO	897	100	1.55	
63	13C-PCB-60	1.12e6	1.12e6	63	0.70	NO	1.0000	1.128	36.27	36.43	1.000	1.000	NO	897	100	1.77	
64	13C-PCB-123	5.93e5	5.93e5	64	1.23	NO	1.0000	1.128	36.51	36.58	1.000	1.000	NO	887	100	1.67	
65	13C-PCB-138	5.04e5	5.04e5	65	1.16	NO	1.0000	1.128	40.75	40.81	1.000	1.000	NO	887	100	1.40	
66	13C-Chlordane	1.13e5	1.13e5	66	1.54	NO	1.0000	1.128	25.23	25.30	1.000	1.000	NO	887	100	8.50	
67	13C-PARLAR 39	1.02e5	1.02e5	67	0.81	NO	1.0000	1.128	40.70	40.78	1.000	1.000	NO	887	100	44.8	
68	2,4'-DDE	1.13e5	1.13e5	68		NO		1.128	38.32			0.997	YES				
69	2,4'-DDE	1.44e4	1.13e5	66	0.89	YES		1.128	37.30	37.06	1.017	1.024	NO				



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

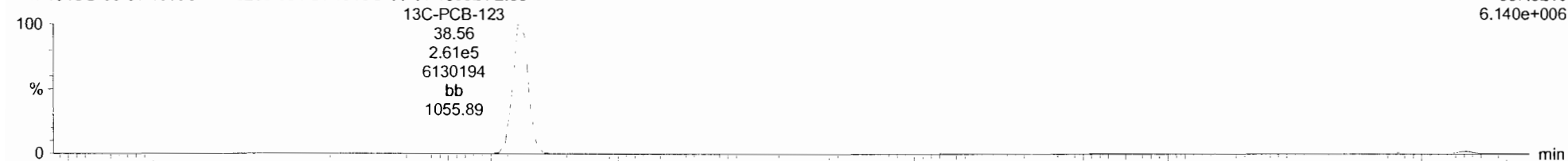
Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

Name: 191023K3_7, Date: 24-Oct-2019, Time: 10:30:36, ID: 1903285-08 PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

13C-PCB-123

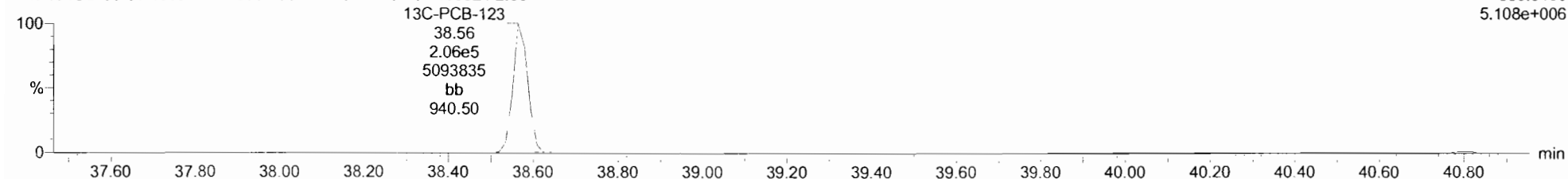
191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
337.9210
6.140e+006



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

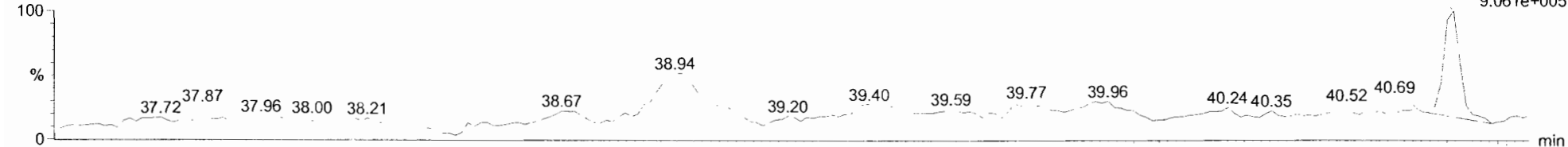
F4:Voltage SIR,EI+
339.9180
5.108e+006



13C-PARLAR 39

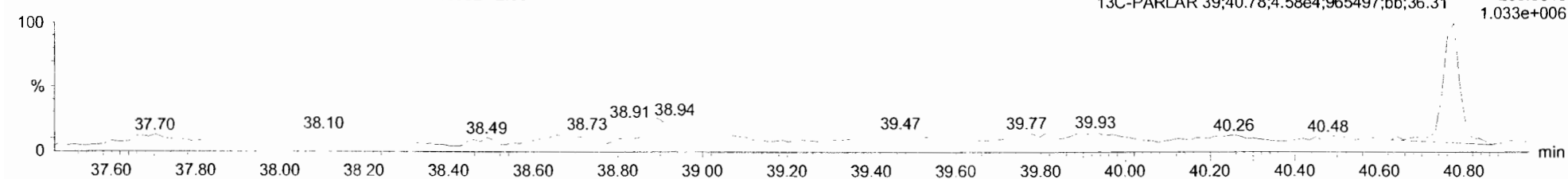
191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
251.9648
9.061e+005



191023K3_7
PDI-104SG-00-01-190924 1903285-08 PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
253.9619
1.033e+006



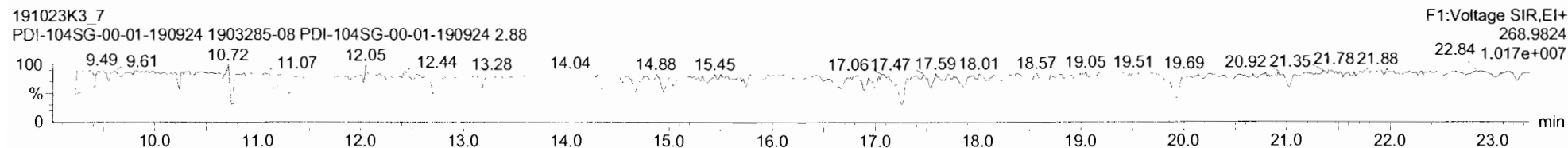
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Last Altered: Thursday, October 24, 2019 11:31:51 Pacific Daylight Time

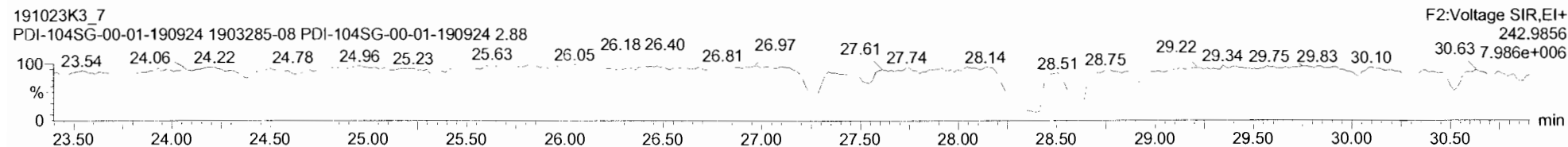
Printed: Thursday, October 24, 2019 11:32:23 Pacific Daylight Time

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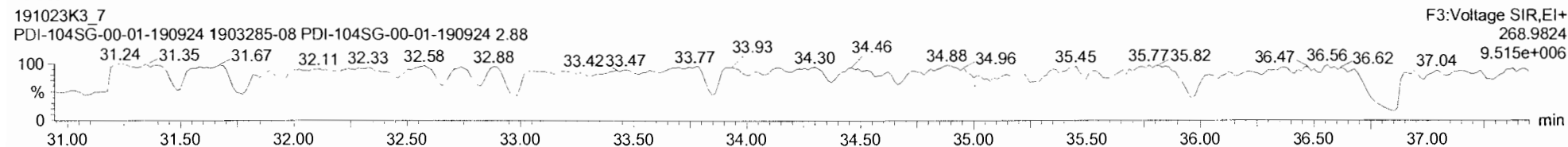
PFK1



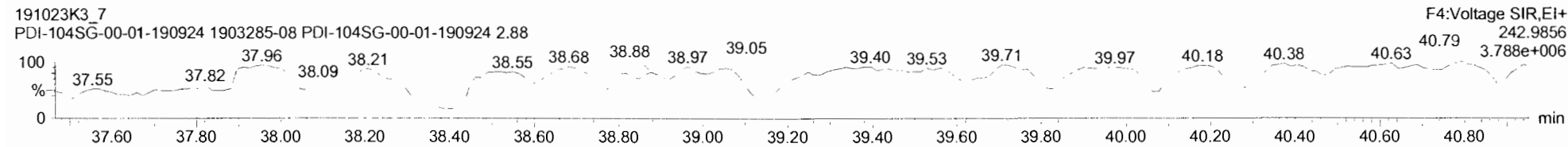
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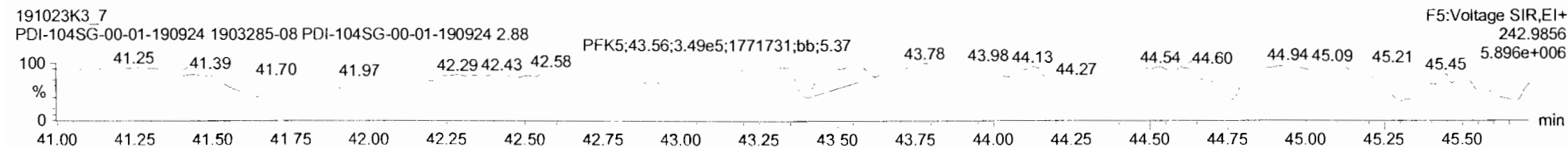
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191023K2\191023K2-9.qld

Last Altered: Friday, October 25, 2019 14:06:48 Pacific Daylight Time

Printed: Friday, October 25, 2019 14:51:50 Pacific Daylight Time

GRB 10/25/19

Hc 10-30-19

@ 10/30/19

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Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	20 Dieldrin	2.74e3	8.15e3	1.16	YES	0.927	1.067	37.77	37.76	1.000	1.000	NO	332		177	299
2	48 13C12-Dieldrin	8.15e3	1.16e5	1.86	NO	0.0797	1.067	37.75	37.75	1.039	1.039	NO	828	88.4	186	
3	62 13C-PCB-15	1.16e5	1.16e5	1.52	NO	1.00	1.067	26.48	26.49	1.000	1.000	NO	937	100	53.3	

Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

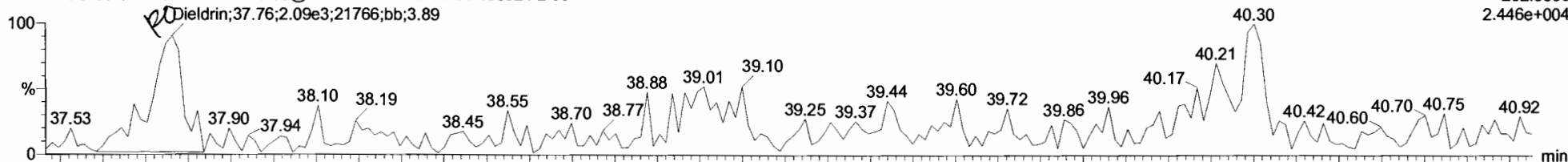
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

Dieldrin-Ell

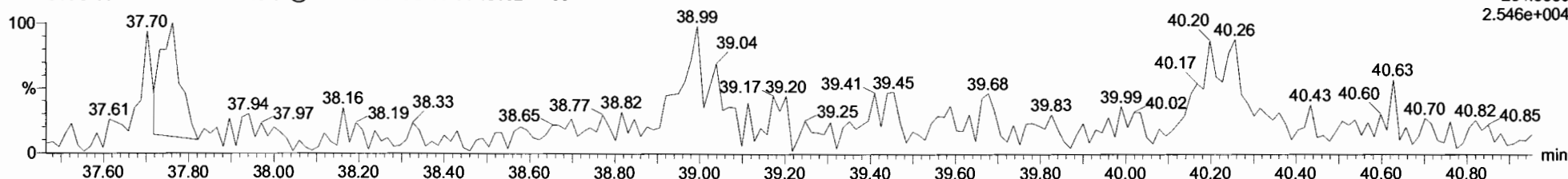
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
262.8569
2.446e+004



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

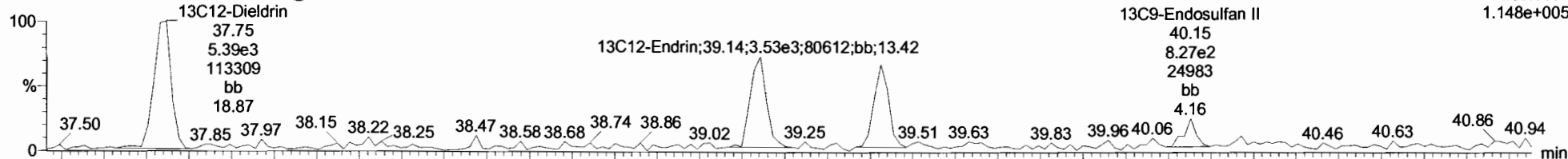
F4:Voltage SIR,EI+
264.8550
2.546e+004



Dieldrin-Ell-isotopes

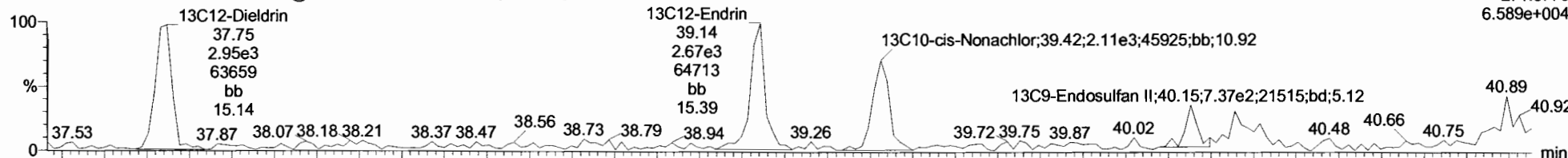
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

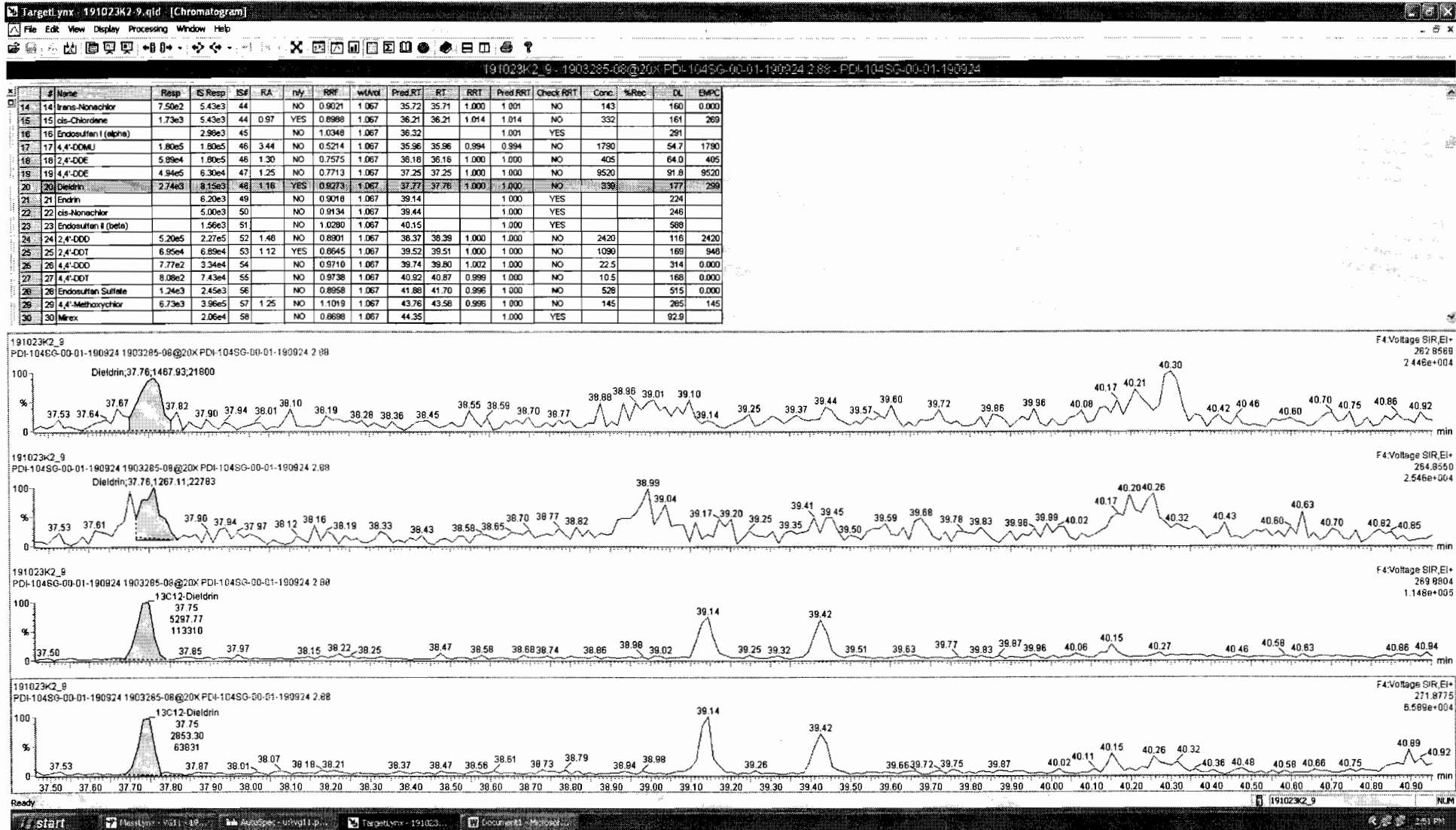
F4:Voltage SIR,EI+
269.8804
1.148e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
271.8775
6.589e+004





Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

DDD-DDT

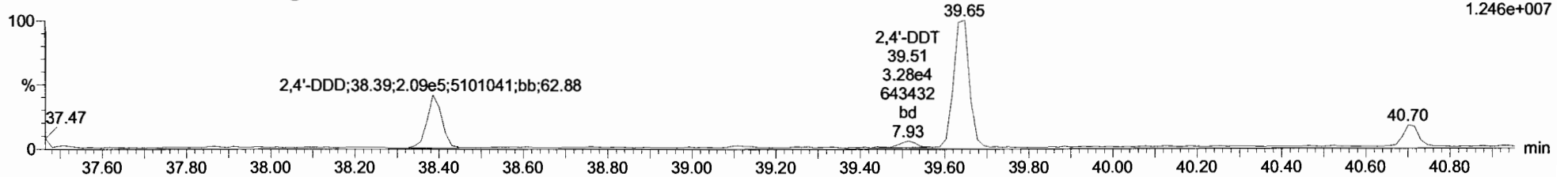
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
235.0081
1.947e+007



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

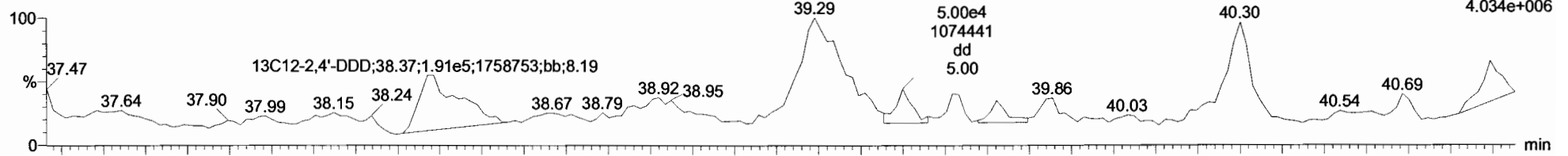
F4:Voltage SIR,EI+
237.0052
1.246e+007



DDD-DDT-isotopes

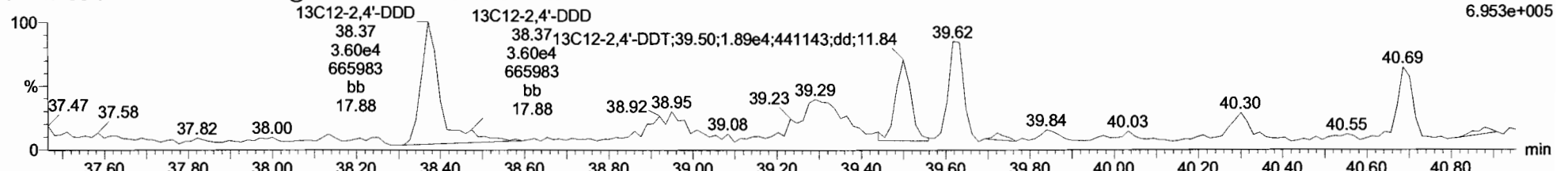
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
247.0484
4.034e+006



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
249.0454
6.953e+005



Dataset: Untitled

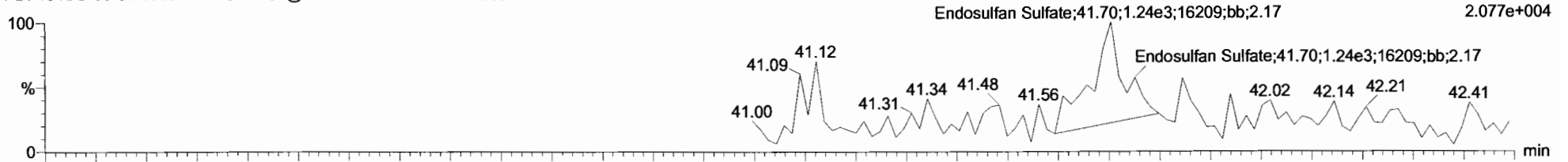
Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

Endosulfan Sulfate

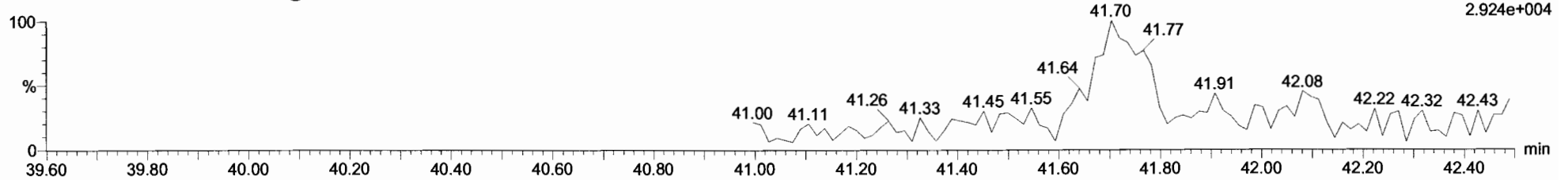
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
262.8569
2.077e+004



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

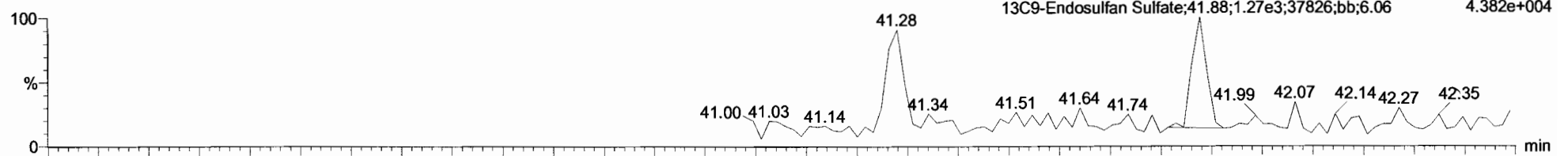
F5:Voltage SIR,EI+
264.8540
2.924e+004



13C9-Endosulfan Sulfate

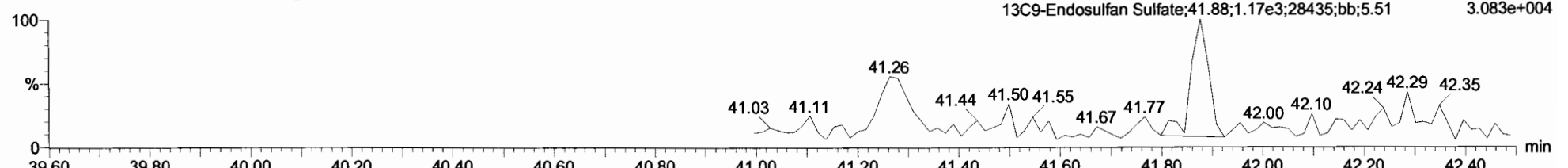
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
269.8804
4.382e+004



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
271.8775
3.083e+004



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

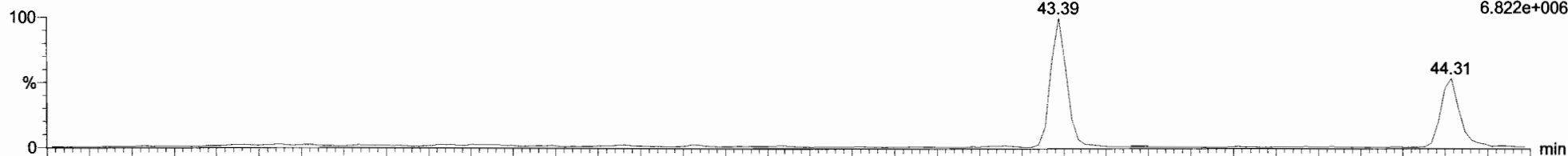
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

4,4'-Methoxychlor

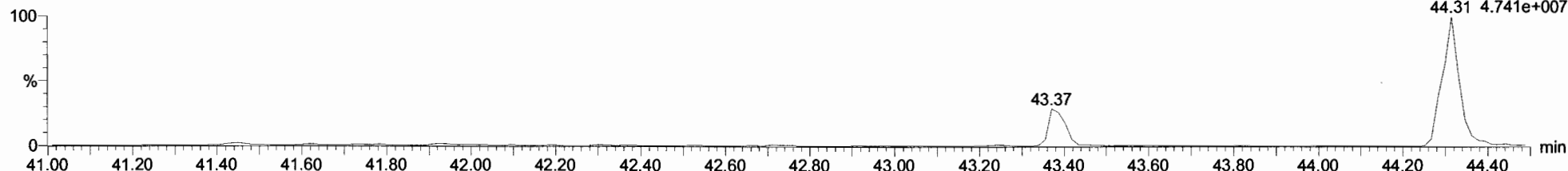
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
227.1072
6.822e+006



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

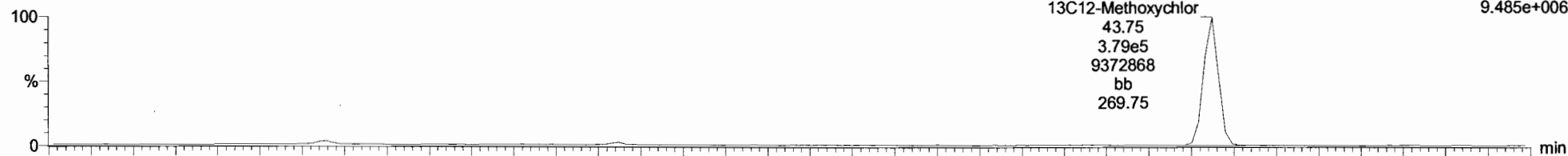
F5:Voltage SIR,EI+
228.1106
4.741e+007



13C12-Methoxychlor

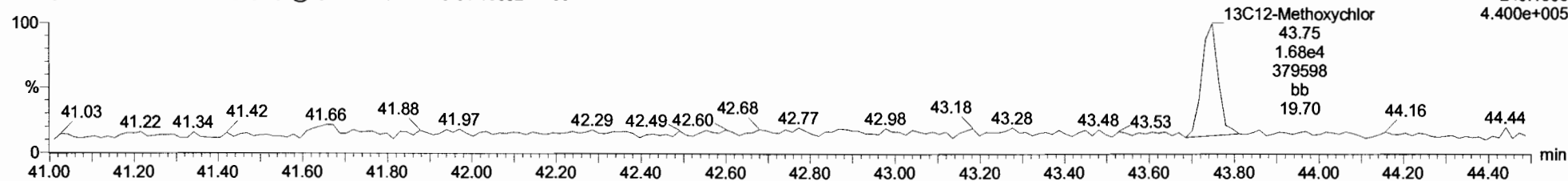
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
239.1475
9.485e+006



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
240.1508
4.400e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

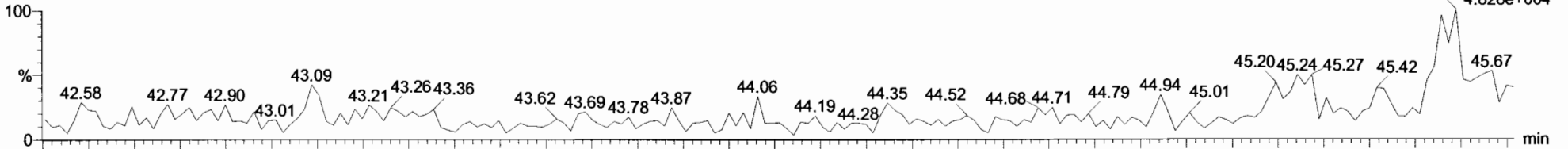
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

Mirex

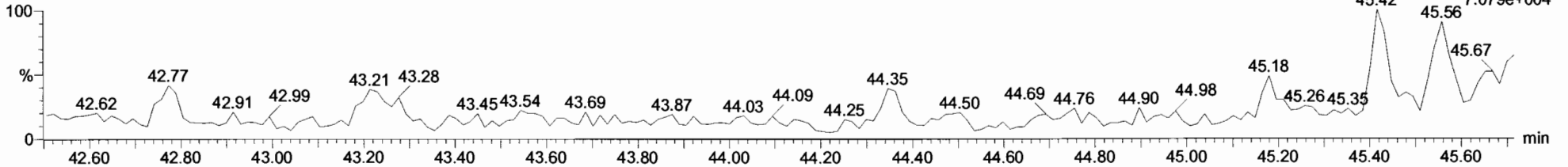
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
236.8413
4.828e+004



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

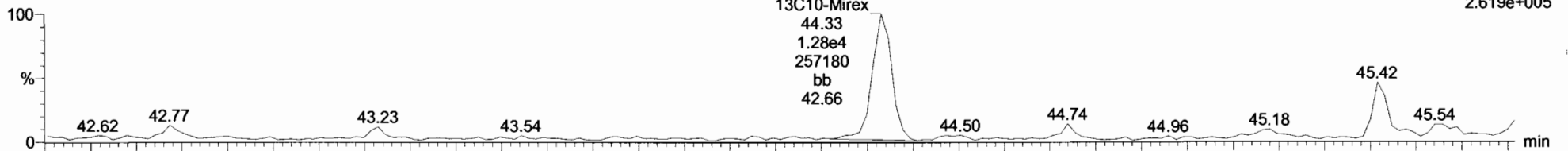
F5:Voltage SIR,EI+
238.8384
7.079e+004



13C10-Mirex

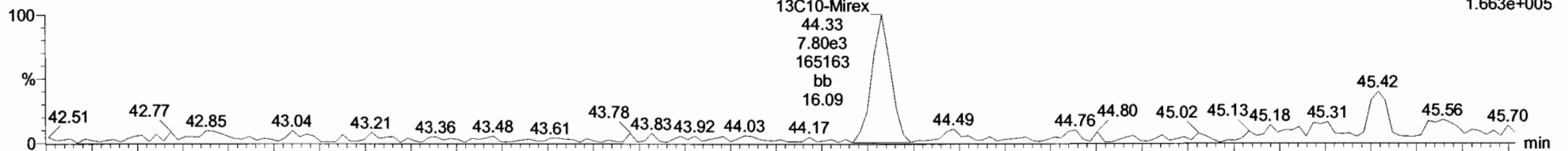
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
241.8581
2.619e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
243.8551
1.663e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

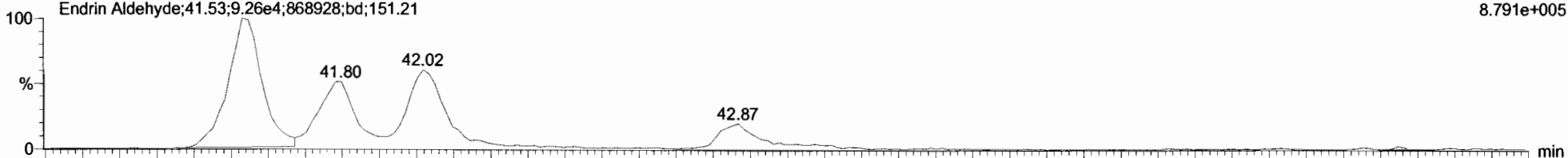
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

EA-EK

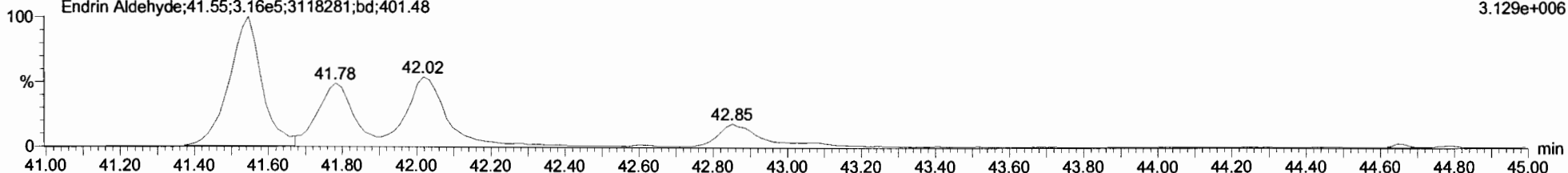
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88
Endrin Aldehyde;41.53;9.26e4;868928;bd;151.21

F5:Voltage SIR,EI+
247.8521
8.791e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88
Endrin Aldehyde;41.55;3.16e5;3118281;bd;401.48

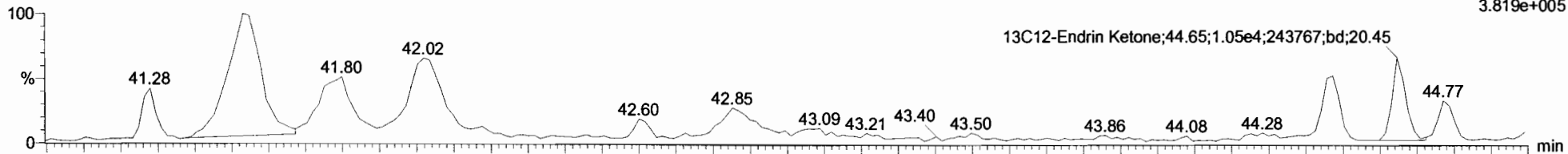
F5:Voltage SIR,EI+
249.8491
3.129e+006



EA-EK-isotopes

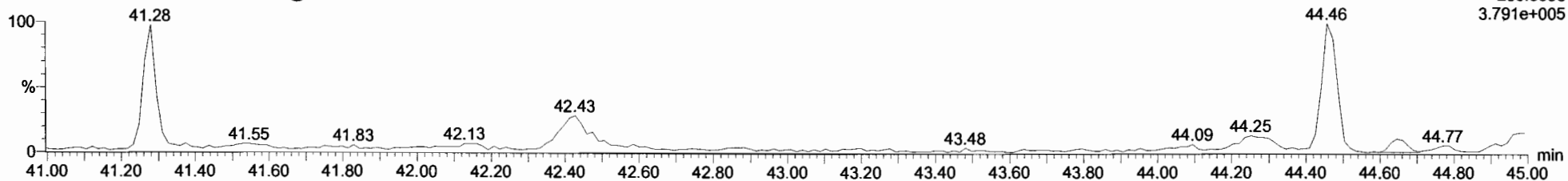
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
253.8722
3.819e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F5:Voltage SIR,EI+
255.8693
3.791e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

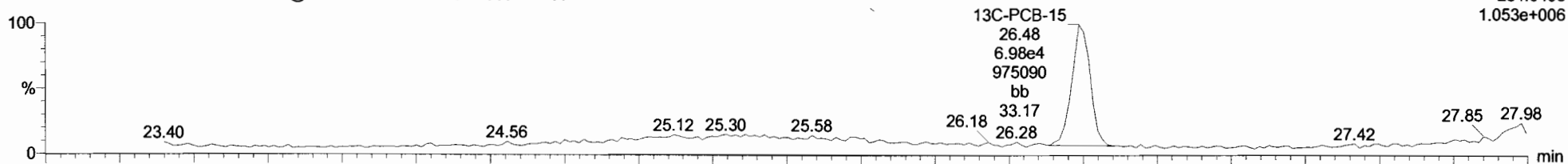
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

13C-PCB-15

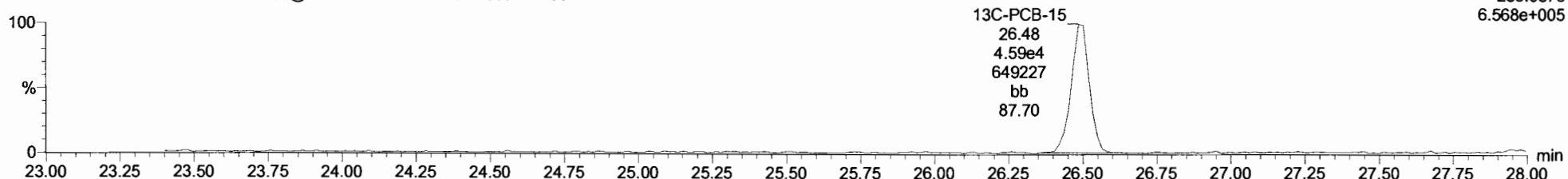
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F2:Voltage SIR,EI+
234.0406
1.053e+006



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

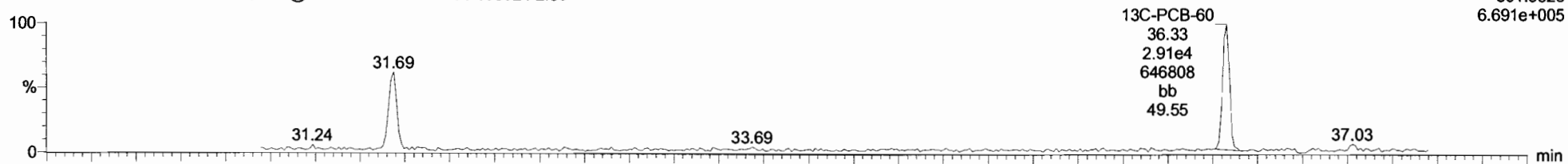
F2:Voltage SIR,EI+
236.0376
6.568e+005



13C-PCB-60

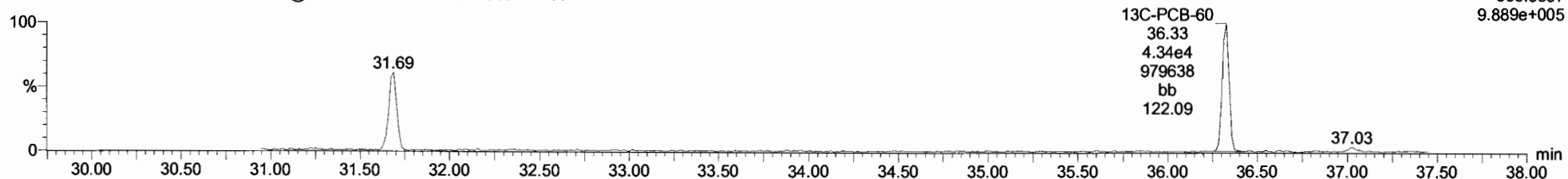
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F3:Voltage SIR,EI+
301.9626
6.691e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F3:Voltage SIR,EI+
303.9597
9.889e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

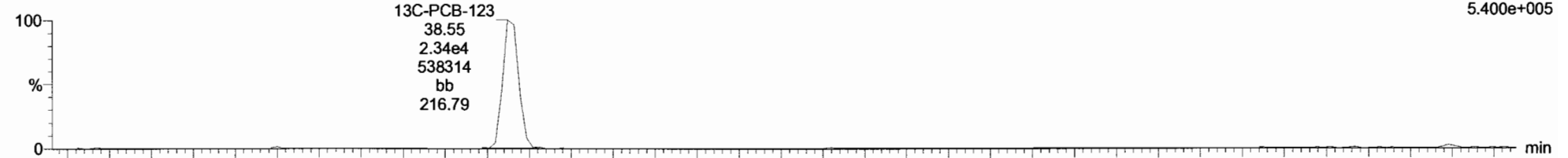
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

13C-PCB-123

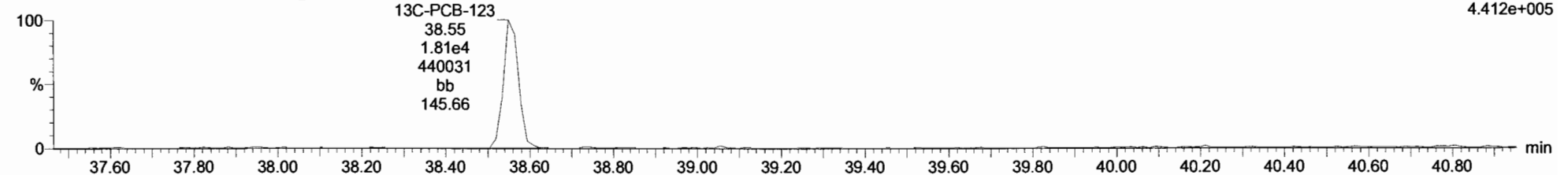
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
337.9210
5.400e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

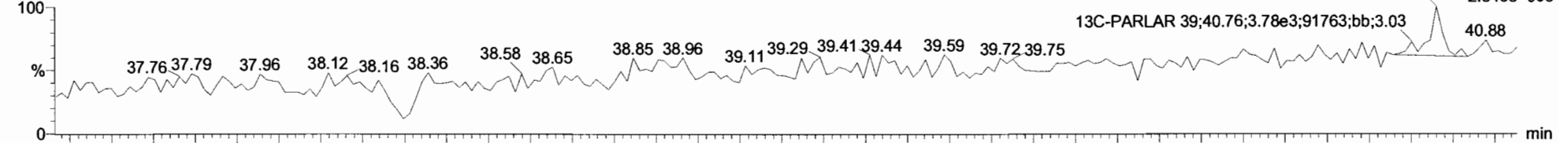
F4:Voltage SIR,EI+
339.9180
4.412e+005



13C-PARLAR 39

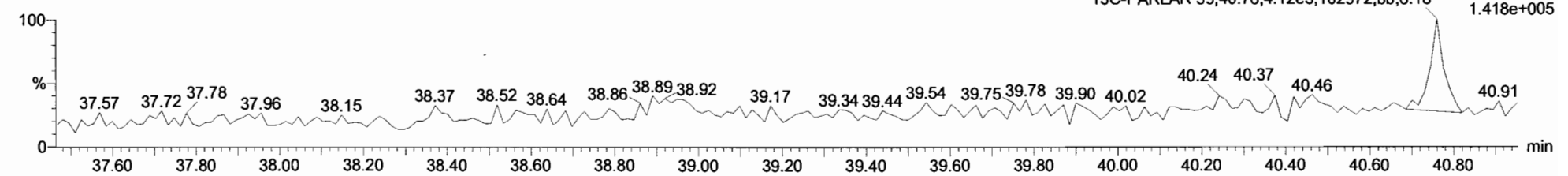
191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
251.9648
2.346e+005



191023K2_9
PDI-104SG-00-01-190924 1903285-08@20X PDI-104SG-00-01-190924 2.88

F4:Voltage SIR,EI+
253.9619
1.418e+005



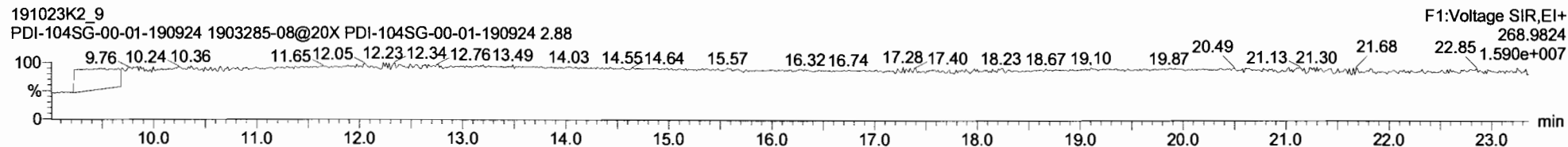
Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:57:52 Pacific Daylight Time

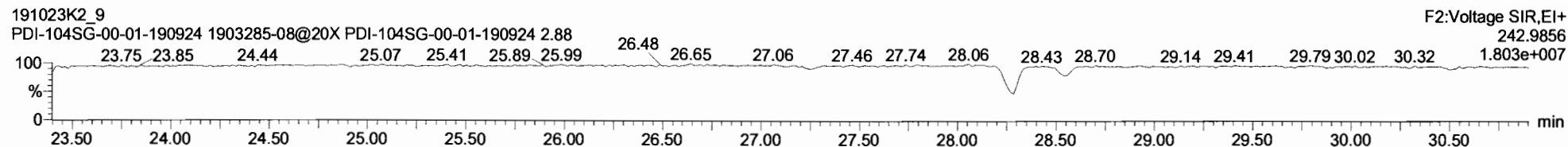
Printed: Friday, October 25, 2019 14:58:27 Pacific Daylight Time

Name: 191023K2_9, Date: 23-Oct-2019, Time: 22:53:00, ID: 1903285-08@20X PDI-104SG-00-01-190924 2.88, Description: PDI-104SG-00-01-190924

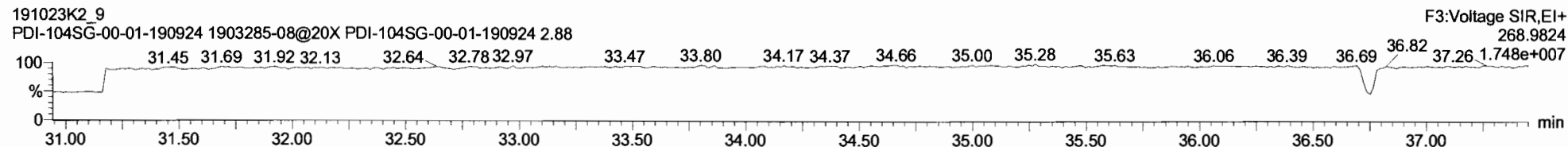
PFK1



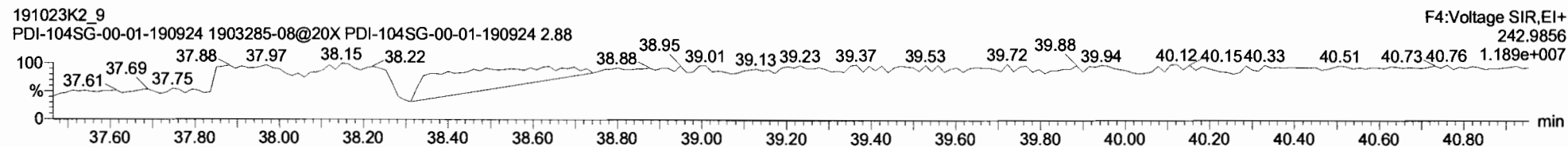
PFK2



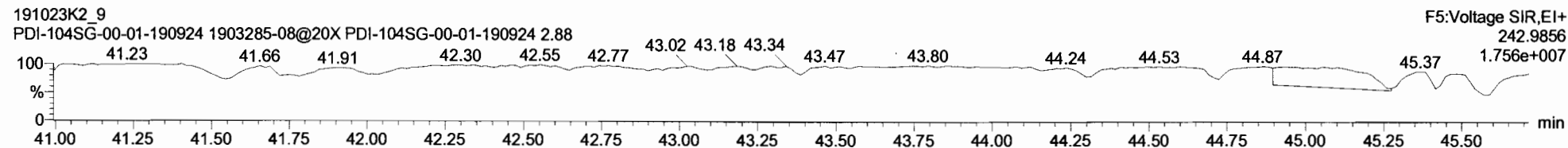
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191023K3\191023K3-8.qld

Last Altered: Thursday, October 24, 2019 13:50:44 Pacific Daylight Time

Printed: Friday, October 25, 2019 15:12:26 Pacific Daylight Time

HC 10-25-19 C-7 10/30/19

Method: Untitled 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

* SEE DIL.

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	2.95e5	1.18e6	1.18	NO	0.840	1.062	23.14	23.13	1.001	1.001	NO	280		0.361	280
2	3 Alpha-BHC	1.29e4	4.63e5	1.93	NO	0.751	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
3	4 Lindane (gamma-BHC)	4.12e4	3.84e5	2.02	NO	0.717	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
4	5 Beta-BHC	1.07e4	2.66e5	1.85	NO	0.870	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
5	6 Delta-BHC	8.52e3	2.91e5	1.76	NO	0.817	1.062	30.72	30.71	1.000	1.001	NO	33.7		5.16	33.7
6	7 Heptachlor	1.69e4	2.43e5	0.98	NO	0.868	1.062	29.17	29.17	1.001	1.001	NO	75.5		5.66	75.5
7	9 Aldrin	2.02e4	2.34e5	1.63	NO	0.946	1.062	31.27	31.28	1.001	1.001	NO	85.8		25.6	85.8
8	10 Oxychlorane		4.76e4		NO	0.926	1.062	33.82			1.001	NO			113	
9	11 cis-Heptachlor Epoxide		8.08e4		NO	0.937	1.062	34.63			1.001	NO			65.5	
10	12 trans-Heptachlor Epox...		8.08e4		NO	0.238	1.062	35.13			1.015	NO			257	
11	14 trans-Nonachlor	1.98e4	6.10e4	1.46	NO	0.902	1.062	35.72	35.72	1.000	1.001	NO	338		85.7	338
12	15 cis-Chlordane	4.24e4	6.10e4	1.34	NO	0.899	1.062	36.21	36.21	1.014	1.014	NO	728		86.0	728
13	16 Endosulfan I (alpha)		3.74e4		NO	1.03	1.062	36.31			1.001	NO			134	
14	18 2,4'-DDE	3.45e5	1.43e6	1.25	NO	0.758	1.062	36.19	36.20	1.000	1.000	NO	301		3.59	301
15	19 4,4'-DDE	2.85e6	8.32e5	1.24	NO	0.771	1.062	37.26	37.26	1.000	1.000	NO	4170		5.27	4170
16	20 Dieldrin		1.03e5		NO	0.927	1.062	37.77			1.000	NO			81.9	
17	21 Endrin		4.18e4		NO	0.902	1.062	39.14			1.000	YES			169	
18	22 cis-Nonachlor		5.03e4		NO	0.913	1.062	39.44			1.000	NO			141	
19	23 Endosulfan II (beta)		1.51e4		NO	1.03	1.062	40.15			1.000	NO			405	
20	24 2,4'-DDD	2.25e6	6.75e5	1.51	NO	0.890	1.062	38.39	38.39	1.000	1.000	NO	3530		11.6	3530
21	25 2,4'-DDT	8.76e5	6.81e5	1.57	NO	0.865	1.062	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
22	26 4,4'-DDD	8.82e6	8.71e5	1.56	NO	0.971	1.062	39.64	39.63	1.000	1.000	NO	9810		10.1	9810
23	27 4,4'-DDT	6.65e7	5.18e5	1.53	NO	0.974	1.062	40.71	40.70	1.000	1.000	NO	124000	SAT*	14.2	124000
24	28 Endosulfan Sulfate		1.74e4		NO	0.896	1.062	41.88			1.000	NO			392	
25	29 4,4'-Methoxychlor		5.15e6		NO	1.10	1.062	43.74			1.000	NO			74.7	
26	30 Mirex	9.64e3	1.98e5	0.58	YES	0.870	1.062	44.35	44.33	1.000	1.000	NO	52.7		10.8	31.8
27	31 Endrin Aldehyde		2.34e5		NO	0.962	1.062	41.30			1.000	YES			116	
28	32 Endrin Ketone		3.23e5		NO	0.867	1.062	44.46			1.000	YES			98.1	

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-8.qld

Last Altered: Thursday, October 24, 2019 13:50:44 Pacific Daylight Time

Printed: Friday, October 25, 2019 15:12:48 Pacific Daylight Time

Method: Untitled 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

	#-Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	34 13C6-Hexachlorobenz...	1.18e6	2.20e6	1.28	NO	0.710	1.062	23.13	23.11	0.872	0.873	NO	712	75.6	0.281	
2	35 13C6-Alpha-BHC	4.63e5	2.20e6	0.79	NO	0.255	1.062	23.68	23.66	0.893	0.893	NO	778	82.6	7.18	
3	36 13C6-Lindane (gamma)	3.84e5	2.20e6	0.88	NO	0.216	1.062	27.00	26.98	1.018	1.019	NO	764	81.2	8.50	
4	37 13C6-Beta-BHC	2.66e5	2.20e6	0.80	NO	0.162	1.062	29.03	29.02	1.095	1.095	NO	702	74.6	11.3	
5	38 13C6-Delta-BHC	2.91e5	2.20e6	0.81	NO	0.185	1.062	30.70	30.69	1.158	1.159	NO	677	71.9	9.93	
6	39 13C10-Heptachlor	2.43e5	2.20e6	1.30	NO	0.178	1.062	29.16	29.14	1.099	1.100	NO	587	62.3	3.96	
7	40 13C12-Aldrin	2.34e5	2.20e6	1.65	NO	0.186	1.062	31.26	31.24	1.179	1.180	NO	539	57.3	8.42	
8	41 13C10-Oxychlorane	4.76e4	2.20e6	1.80	NO	0.0499	1.062	33.85	33.80	1.276	1.277	NO	409	43.5	31.5	
9	42 13C10-cis-Heptachlor ...	8.08e4	2.20e6	1.60	NO	0.0657	1.062	34.64	34.61	1.306	1.307	NO	527	56.0	23.9	
10	44 13C10-trans-Nonachlor	6.10e4	2.20e6	1.57	NO	0.0587	1.062	35.72	35.70	1.347	1.348	NO	446	47.4	26.7	
11	45 13C9-Endosulfan I (al...	3.74e4	2.20e6	1.64	NO	0.0343	1.062	36.31	36.28	1.369	1.370	NO	467	49.6	45.7	
12	46 13C12-2,4'-DDE	1.43e6	2.20e6	1.75	NO	1.01	1.062	36.20	36.18	0.996	0.996	NO	605	64.3	129	
13	47 13C12-4,4'-DDE	8.32e5	2.20e6	1.56	NO	0.760	1.062	37.26	37.25	1.025	1.025	NO	469	49.9	172	
14	48 13C12-Dieldrin	1.03e5	2.20e6	1.53	NO	0.0797	1.062	37.76	37.75	1.039	1.039	NO	556	59.1	28.5	
15	49 13C12-Endrin	4.18e4	2.20e6	1.56	NO	0.0599	1.062	39.16	39.14	1.077	1.078	NO	299	31.8	37.9	
16	50 13C10-cis-Nonachlor	5.03e4	2.20e6	1.51	NO	0.0486	1.062	39.44	39.42	1.085	1.085	NO	444	47.2	46.8	
17	51 13C9-Endosulfan II	1.51e4	2.20e6	1.48	NO	0.0145	1.062	40.18	40.15	1.105	1.106	NO	447	47.4	156	
18	52 13C12-2,4'-DDD	6.75e5	2.20e6	1.95	NO	0.653	1.062	38.40	38.39	1.449	1.449	NO	443	47.0	48.5	
19	53 13C12-2,4'-DDT	6.81e5	2.20e6	1.91	NO	0.443	1.062	39.50	39.50	1.490	1.491	NO	659	70.0	71.5	
20	54 13C12-4,4'-DDD	8.71e5	2.20e6	1.85	NO	0.550	1.062	39.62	39.62	1.495	1.495	NO	679	72.1	57.6	
21	55 13C12-4,4'-DDT	5.18e5	2.20e6	1.53	NO	0.354	1.062	40.72	40.69	1.535	1.537	NO	627	66.6	89.5	
22	56 13C9-Endosulfan Sulf...	1.74e4	2.20e6	1.44	NO	0.0239	1.062	41.92	41.88	1.152	1.153	NO	311	33.0	80.9	
23	57 13C12-Methoxychlor	5.15e6	2.20e6	13.34	NO	0.362	1.062	43.79	43.73	1.203	1.205	NO	6110	64.9	27.7	
24	58 13C10-Mirex	1.98e5	2.20e6	1.56	NO	0.184	1.062	44.35	44.33	1.220	1.220	NO	462	49.1	14.8	
25	59 13C12-Endrin Aldehyde	2.34e5	2.20e6	0.47	NO	0.0307	1.062	41.32	41.28	1.136	1.137	NO	3260	34.6	88.8	
26	60 13C12-Endrin Ketone	3.23e5	2.20e6	0.57	NO	0.0240	1.062	44.51	44.46	1.223	1.225	NO	5770	61.3	114	
27	62 13C-PCB-15	2.20e6	2.20e6	1.50	NO	1.00	1.062	26.48	26.50	1.000	1.000	NO	941	100	7.44	

Dataset: Untitled

Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time

Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51

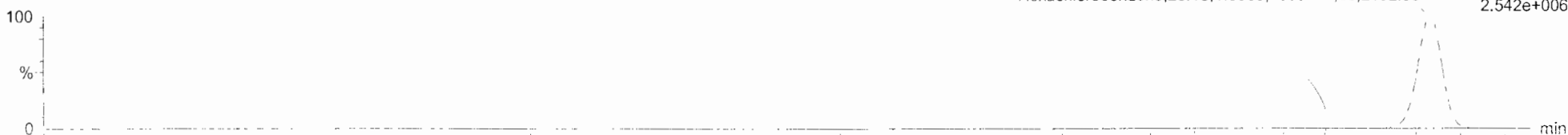
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Hexachlorobenzene

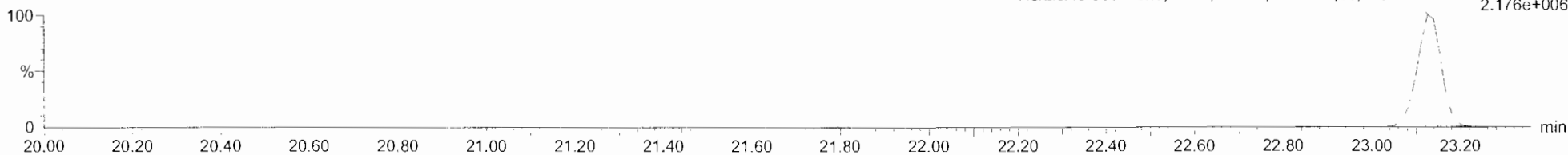
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

Hexachlorobenzene;23.13;1.60e5;2535720;bb;2192.63
F1:Voltage SIR,EI+
283.8102
2.542e+006



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

Hexachlorobenzene;23.13;1.35e5;2171559;bb;1750.19
F1:Voltage SIR,EI+
285.8072
2.176e+006



13C6-Hexachlorobenzene

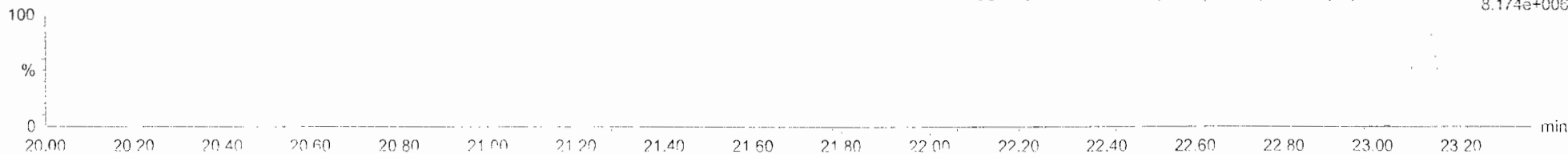
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

13C6-Hexachlorobenzene;23.11;6.63e5;10467022;bb;8762.80
F1:Voltage SIR,EI+
289.8303
1.048e+007



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

13C6-Hexachlorobenzene;23.11;5.16e5;8165471;pb;6782.03
F1:Voltage SIR,EI+
291.8273
8.174e+006



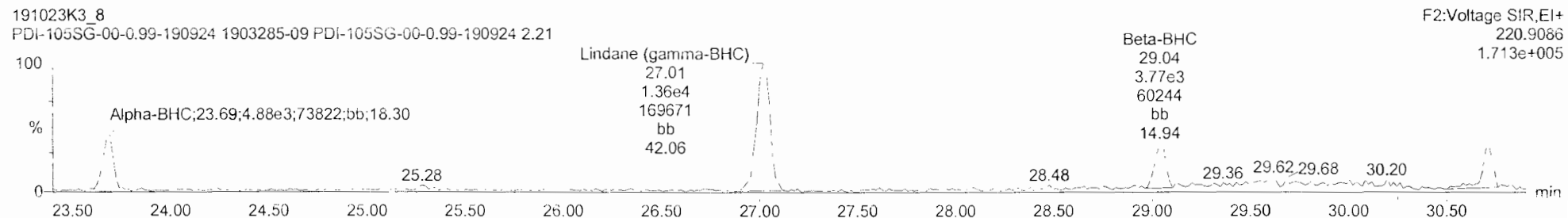
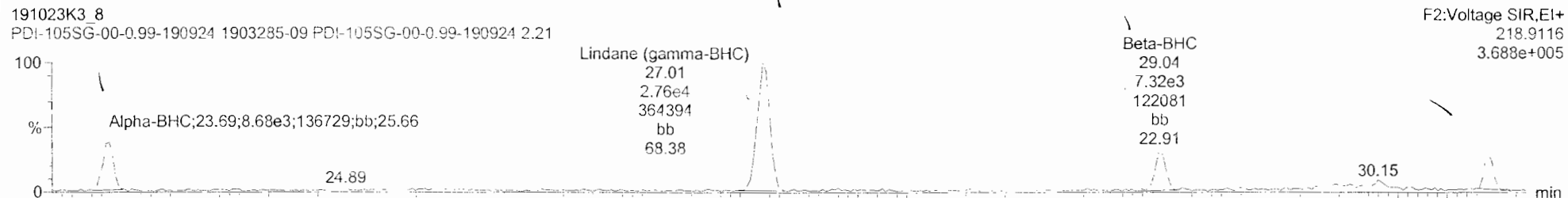
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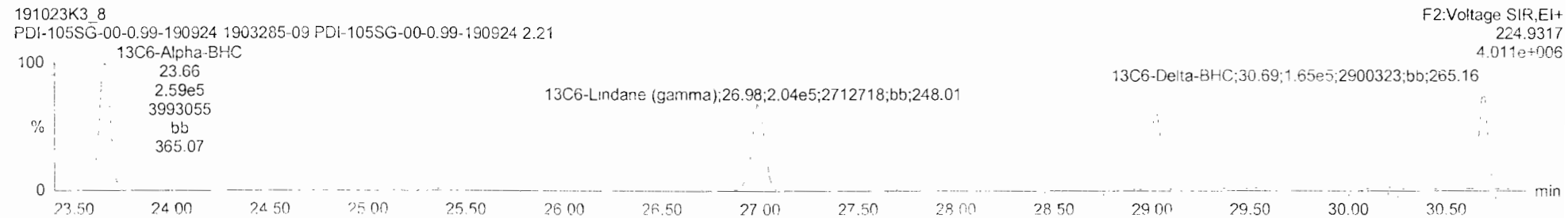
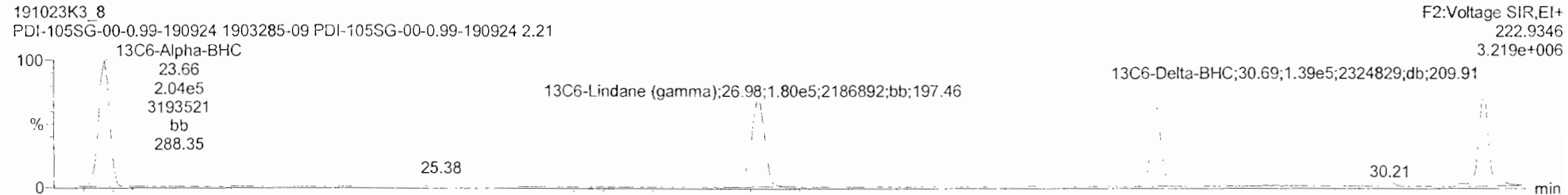
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Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

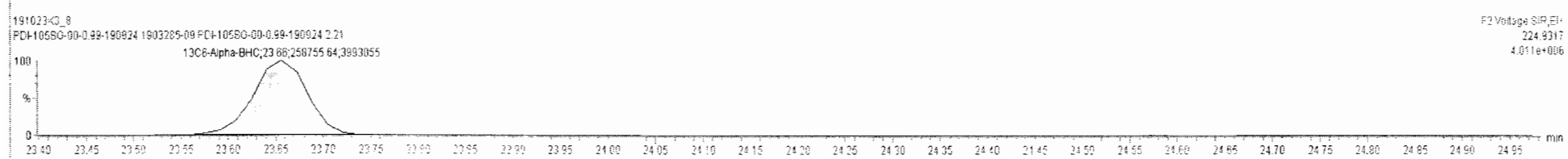
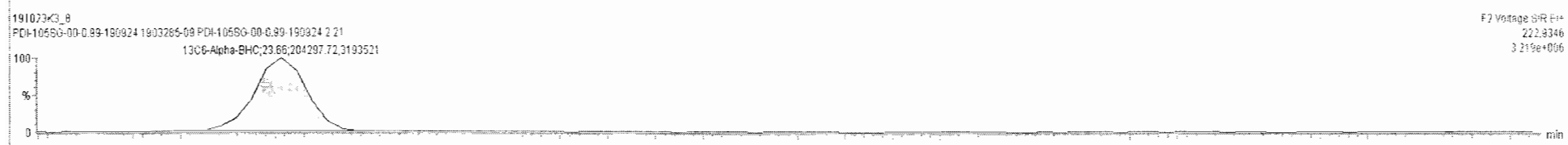
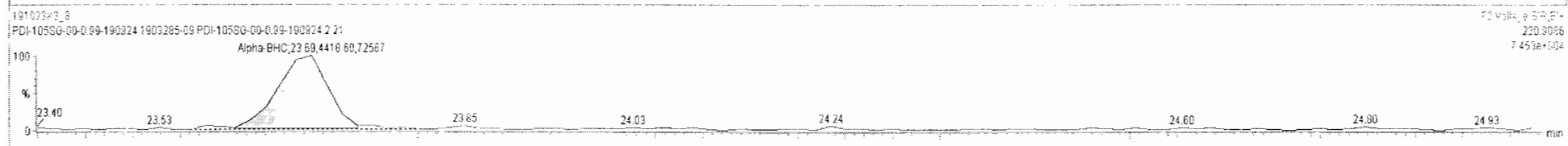
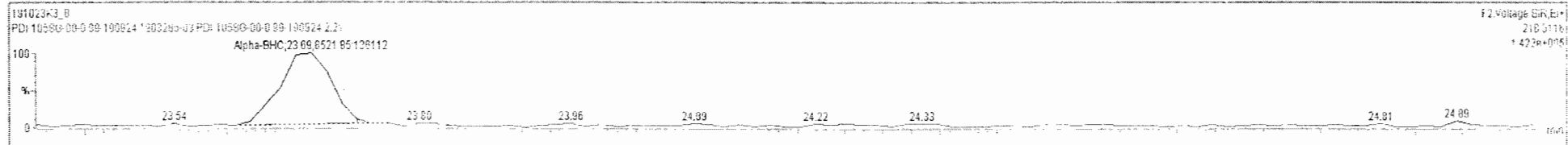
BHC Totals



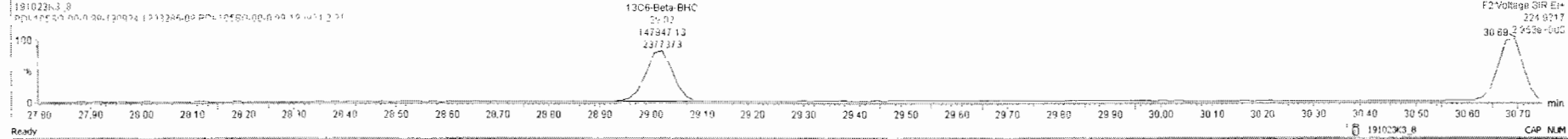
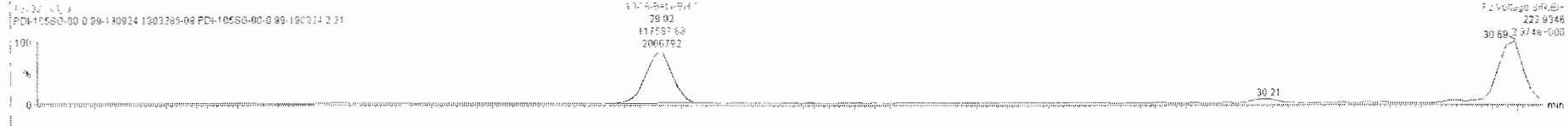
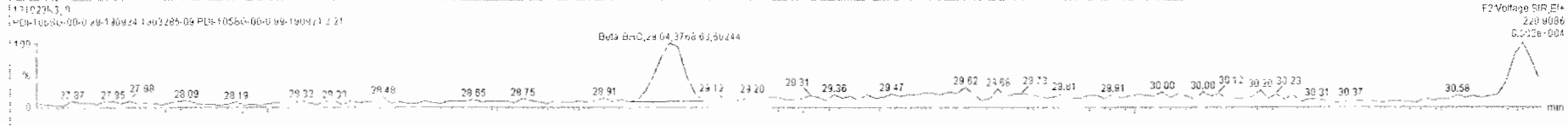
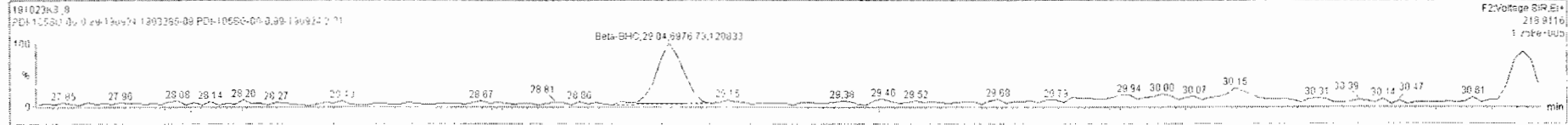
BHC-isotopes



#	Name	Resp	IS Resp	IS#	RA	nly	RF	wt/val	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.95e5	1.18e6	34	1.18	NO	0.8398	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	290
3	Alpha-BHC	1.29e4	4.62e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
5	Beta-BHC	1.11e4	2.88e5	37	1.94	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	45.2		5.59	45.2
6	Delta-BHC	9.25e3	3.04e5	38	1.48	YES	0.8175	1.062	30.72	30.71	1.001	1.001	NO	35.0		5.30	31.0
7	Heptachlor	1.72e4	2.43e5	39	0.95	NO	0.8883	1.062	29.16	29.17	1.001	1.001	NO	76.6		5.88	76.6
8	4,4'-DDNU	6.10e4	3.04e5	38	3.27	NO	1.3629	1.062	30.61	30.61	0.997	0.997	NO	139		11.8	139
9	Aldrin	2.08e4	2.34e5	40	1.76	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	87.7		25.6	87.7
10	Ornithondane	1.69e3	4.97e4	41		NO	0.9252	1.062	33.82	33.89	1.003	1.001	NO	33.8		111	0.900
11	cis-Heptachlor Epoxide	2.09e3	8.09e4	42		NO	0.9266	1.062	34.63	34.62	1.000	1.001	NO	25.8		85.5	0.000
12	trans-Heptachlor Epoxide	1.57e4	8.06e4	42	2.97	YES	0.2384	1.062	35.12	35.09	1.014	1.015	NO	788		257	496
13	trans-Chlordane (gam...	8.65e1	4.97e4	43	1.57	NO	0.9304	1.062	35.53	35.52	1.000	1.001	NO	1680		101	1680
14	trans-Nonachlor	2.59e4	6.10e4	44	2.95	YES	0.9021	1.062	35.72	35.71	1.000	1.001	NO	427		85.7	234
15	cis-Chlordanes	4.41e4	6.10e4	44	1.44	NO	0.8366	1.062	36.21	36.21	1.014	1.014	NO	757		86.0	757
16	Endosulfan (alpha)	1.13e3	3.74e4	45		NO	1.0343	1.062	36.31	36.40	1.003	1.001	NO	28.0		134	0.000
17	4,4'-DDMU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795		20.6	795

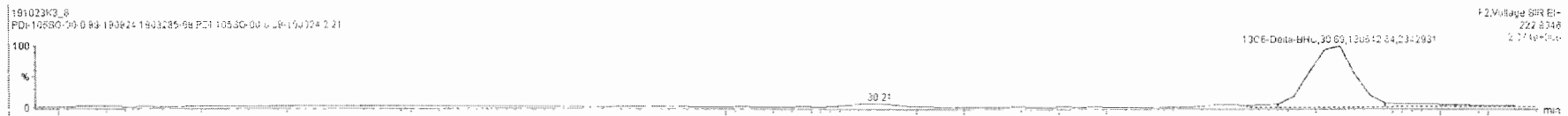
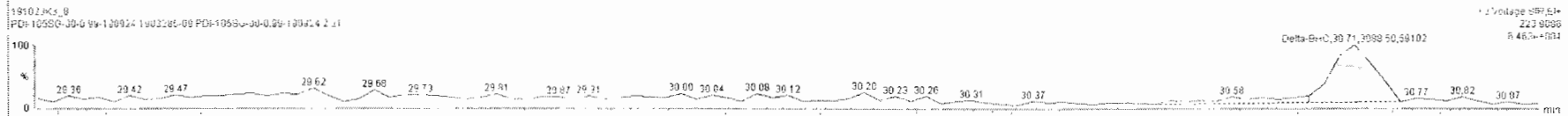
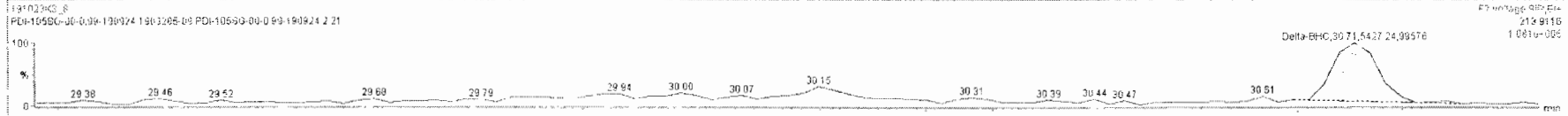


#	Name	Resp	(S Resp)	ESF	RA	n/y	RIF	ndVol	PredRT	RT	RRT	PredPRT	CheckPRT	Comp	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.85e5	1.18e6	34	1.18	NO	0.8380	1.062	23.13	23.13	1.001	1.001	NO	260		0.361	230
3	Alpha-BHC	1.26e4	4.63e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.13e4	3.94e5	36	2.02	NO	0.7173	1.062	27.05	27.01	1.001	1.001	NO	141		6.52	141
5	Beta-BHC	4.07e4	2.86e5	37	1.85	NO	0.8203	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
6	Delta-BHC	9.25e3	3.04e5	38	1.49	YES	0.9175	1.062	30.72	30.71	1.001	1.001	NO	35.0		5.36	31.0
7	Heptachlor	1.72e4	2.43e5	39	0.95	NO	0.8563	1.062	29.16	29.17	1.001	1.001	NO	76.6		5.66	76.6
8	delta, gamma-DCMU	6.10e4	3.04e5	38	3.27	NO	1.3629	1.062	30.61	30.61	0.957	0.997	NO	139		11.9	139
9	Aldrin	2.06e4	2.34e5	40	1.76	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	87.7		25.6	87.7
10	Oxydemeton	1.86e3	4.97e4	41		NO	0.9262	1.062	33.82	33.89	1.003	1.001	NO	33.8		111	0.000
11	cis-Heptachlor Epoxide	2.08e3	8.08e4	42		NO	0.9396	1.062	34.63	34.62	1.000	1.001	NO	25.8		85.5	0.000
12	trans-Heptachlor Epoxide	1.57e4	8.08e4	42	2.97	YES	0.2384	1.062	35.12	35.09	1.014	1.015	NO	769		257	496
13	trans-Chlordane (gamma)	8.69e4	4.97e4	43	1.57	NO	0.8604	1.062	35.53	35.52	1.000	1.001	NO	1690		101	1690
14	trans-Nonachlor	2.50e4	8.10e4	44	2.85	YES	0.9021	1.062	35.72	35.71	1.000	1.001	NO	427		85.7	254
15	cis-Chlordane	4.41e4	6.10e4	44	1.44	NO	0.8988	1.062	36.21	36.21	1.014	1.014	NO	757		86.0	757
16	Endosulfan (sulfate)	1.15e3	3.74e4	45		NO	1.0348	1.062	36.31	36.40	1.003	1.001	NO	28.0		134	0.000
17	delta, gamma-DCMU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.96	0.994	0.994	NO	795		20.6	795



191023K3_3_1903285-09.PDI-1055G-00-0.99-190924.2.01_PDI-1055G-00-0.99-190924

#	Name	Resp	IS Resp	ISF	PA	IV	REF	uMol	Pred RT	RT	PRT	Pred PRT	Check PRT	Conc	%Rec	DL	EMV
1	Isoschlorobenzene	8.52e4	1.91e9	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1760
2	Hexachlorobenzene	2.95e5	1.18e9	34	1.18	NO	0.8396	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	280
3	Alpha-BHC	1.29e4	4.63e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.13e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
5	Beta-BHC	1.07e4	2.86e5	37	1.95	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
6	Delta-BHC	8.52e5	2.91e5	38	1.76	NO	0.8175	1.062	30.72	30.71	1.001	1.001	NO	33.7		5.58	33.7
7	Hexachlor	1.72e4	2.43e5	39	0.95	NO	0.6883	1.062	29.18	29.17	1.001	1.001	NO	76.6		5.66	76.6
8	4,4'-DDNU	6.10e4	2.91e5	39	3.27	NO	1.3529	1.062	30.61	30.61	0.997	0.997	NO	145		11.6	145
9	Alkin	2.06e4	2.34e5	40	1.76	NO	0.9463	1.062	31.27	31.26	1.001	1.001	NO	67.7		25.6	67.7
10	Oxychlorane	1.66e3	4.97e4	41		NO	0.8292	1.062	33.92	33.99	1.003	1.001	NO	33.8		111	0.000
11	cis-Heptachlor Epoxide	2.09e3	8.05e4	42		NO	0.9356	1.062	34.63	34.62	1.000	1.001	NO	25.8		65.5	0.000
12	trans-Heptachlor Epoxide	1.57e4	8.05e4	42	2.97	YES	0.2384	1.062	35.12	35.09	1.014	1.015	NO	753		257	496
13	trans-Chlordane (gam)	8.89e4	4.87e4	43	1.67	NO	0.6904	1.062	35.52	35.52	1.000	1.001	NO	1890		101	1680
14	trans-nonachlor	2.95e4	8.10e4	44	2.65	YES	0.9021	1.062	35.75	35.71	1.000	1.000	NO	427		65.7	284
15	cis-Chlordane	4.41e4	6.10e4	44	1.44	NO	0.8968	1.062	36.21	36.21	1.014	1.014	NO	257		66.0	757
16	Endosulfan I (alpha)	1.15e3	3.74e4	45		NO	1.0348	1.062	36.31	36.40	1.003	1.001	NO	28.0		134	0.000
17	4,4'-DDMU	8.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795		20.6	795



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Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time

Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Heptachlor

191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

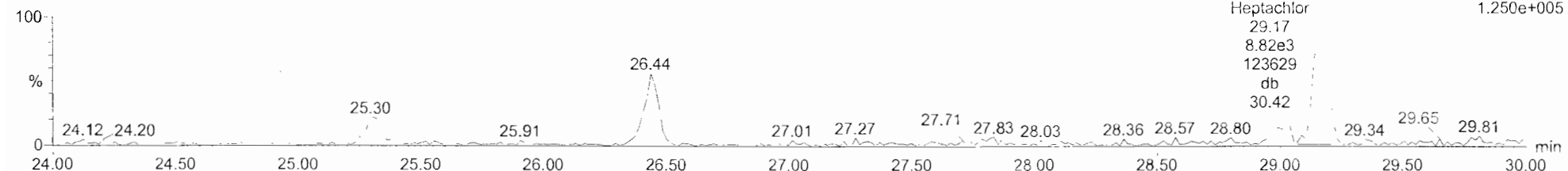
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1.281e+005



Heptachlor
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db
32.91

191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

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1.250e+005

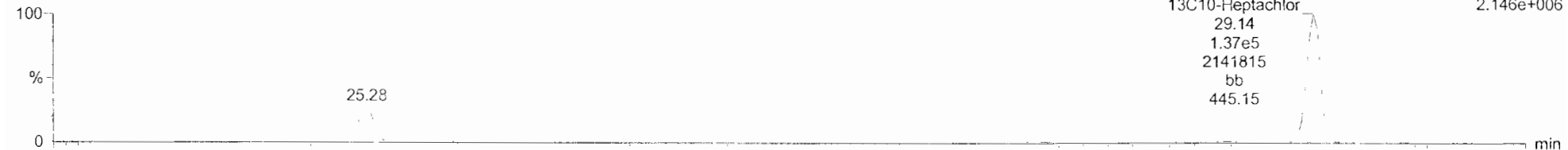


Heptachlor
29.17
8.82e3
123629
db
30.42

13C10-Heptachlor

191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F2:Voltage SIR,EI+
276.8269
2.146e+006



13C10-Heptachlor
29.14
1.37e5
2141815
bb
445.15

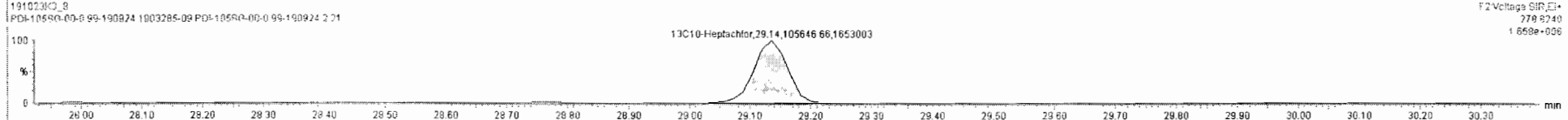
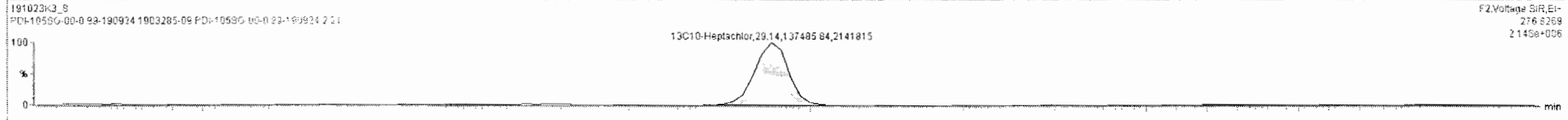
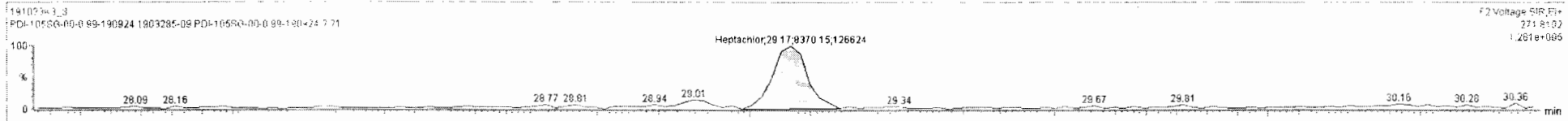
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F2:Voltage SIR,EI+
278.8240
1.658e+006



13C10-Heptachlor
29.14
1.06e5
1653003
bb
453.23

#	Name	Resp	IS Resp	SA	RA	IN	RRF	wtAvol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.95e5	1.18e6	34	1.18	NO	0.8398	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	280
3	Alpha-BHC	1.29e4	4.63e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7172	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
5	Beta-BHC	1.07e4	2.66e5	37	1.85	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.99	43.8
6	Delta-BHC	8.52e3	2.91e5	38	1.76	NO	0.8175	1.062	30.72	30.71	1.001	1.001	NO	33.7		5.16	33.7
7	Heptachlor	1.69e4	2.43e5	39	0.98	NO	0.8983	1.062	29.18	29.17	1.001	1.001	NO	75.5		5.66	75.5
8	4,4'-DDNU	6.10e4	2.91e5	38	3.27	NO	1.3629	1.062	30.61	30.61	0.997	0.997	NO	145		11.6	145
9	Aldrin	2.06e4	2.34e5	40	1.76	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	87.7		25.6	87.7
10	Oryzchlorane	1.66e3	4.97e4	41		NO	0.9362	1.062	33.82	33.89	1.003	1.001	NO	33.8		111	0.000
11	cis-Heptachlor Epoxide	2.08e3	8.08e4	42		NO	0.9366	1.062	34.63	34.62	1.000	1.001	NO	25.8		65.5	0.000
12	trans-Heptachlor Epoxide	1.57e4	8.08e4	42	2.97	YES	0.2394	1.062	35.12	35.09	1.014	1.015	NO	769		257	496
13	trans-Chlordane (gamma)	8.69e4	4.97e4	43	1.57	NO	0.9804	1.062	35.53	35.52	1.000	1.001	NO	1690		101	1690
14	trans-Nonachlor	2.50e4	6.10e4	44	2.85	YES	0.9021	1.062	35.72	35.71	1.000	1.001	NO	427		85.7	284
15	cis-Chlordane	4.41e4	6.10e4	44	1.44	NO	0.8398	1.062	36.21	36.21	1.014	1.014	NO	757		86.0	757
16	Endosulfan I (alpha)	1.15e3	3.74e4	45		NO	1.0348	1.062	36.31	36.40	1.003	1.001	NO	26.0		134	0.000
17	4,4'-DDMU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795		20.6	795



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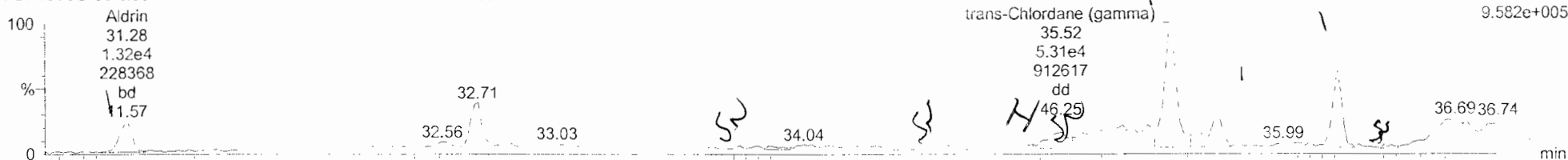
Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time
Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Aldrin-EI

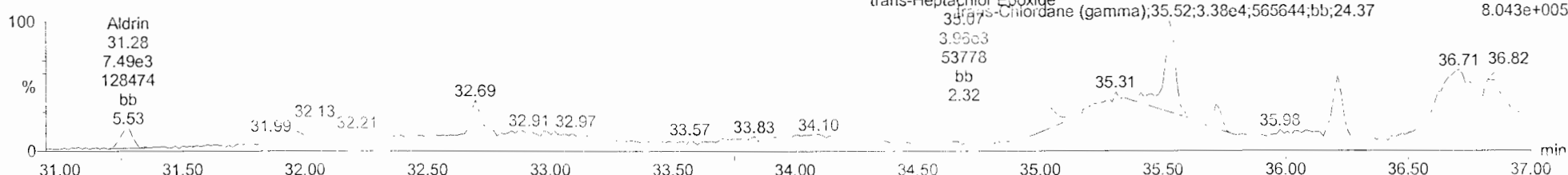
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
262.8569
9.582e+005



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

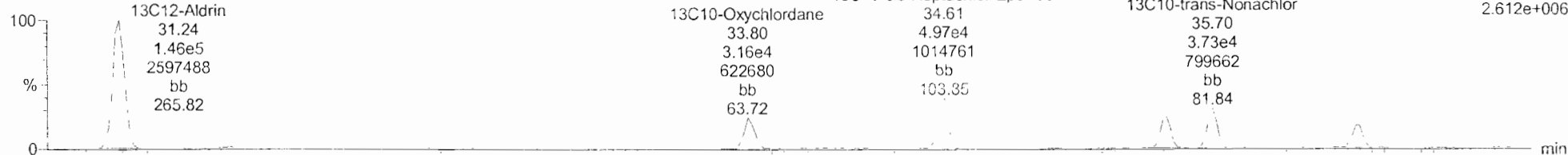
F3:Voltage SIR,EI+
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8.043e+005



Aldrin-EI-isotopes

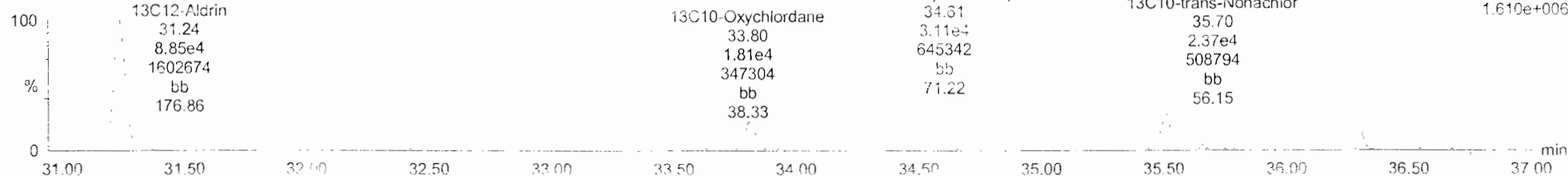
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
269.8804
2.612e+006

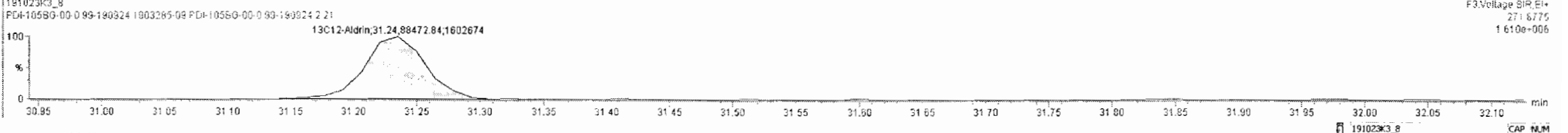
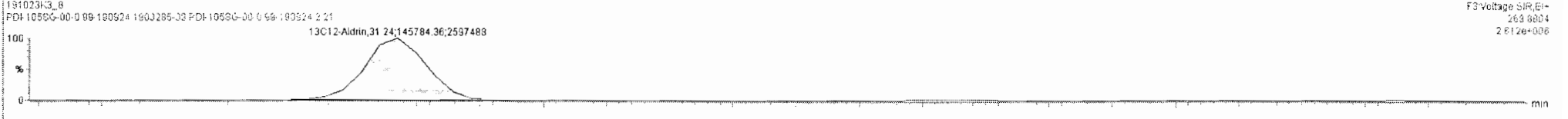
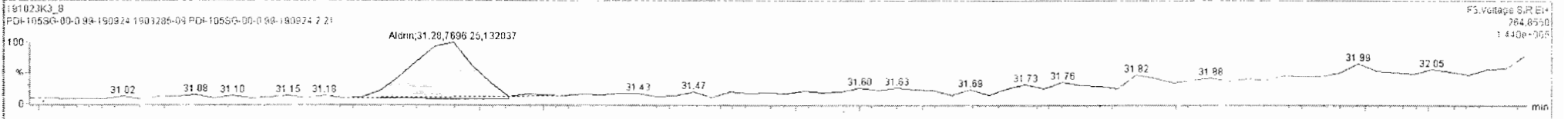
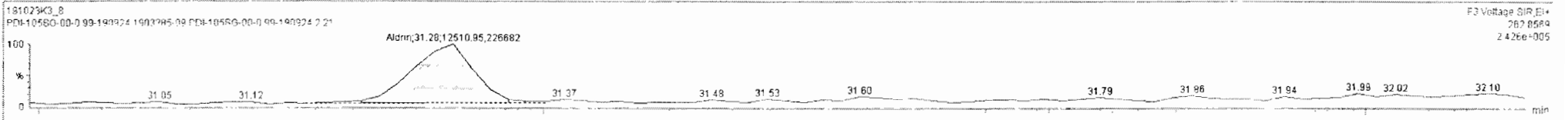


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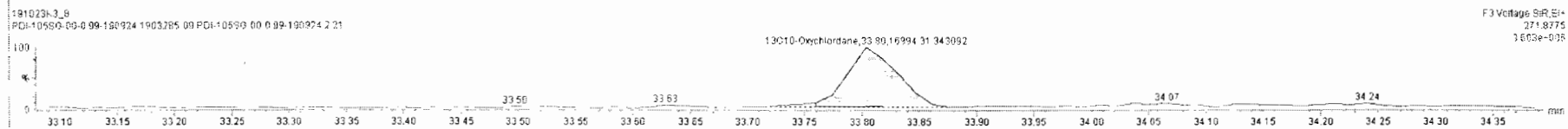
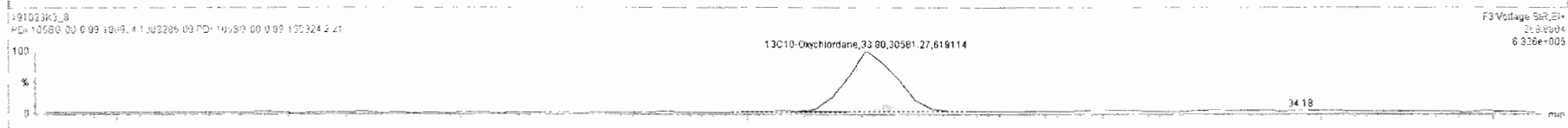
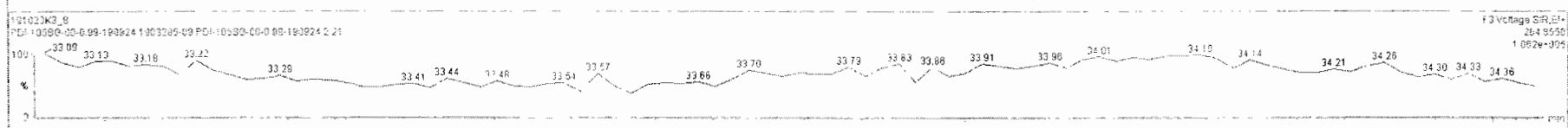
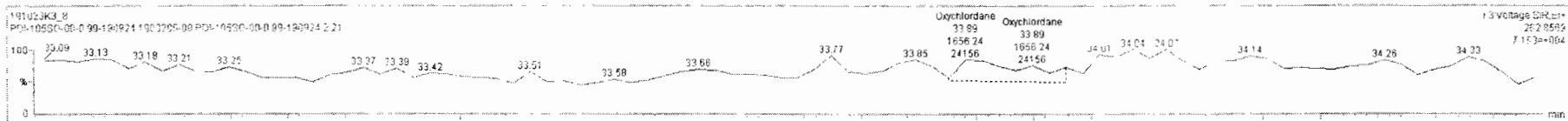
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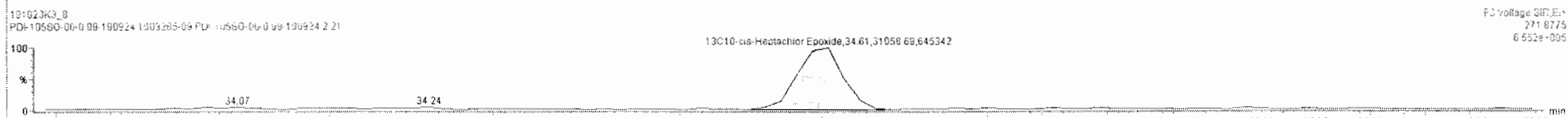
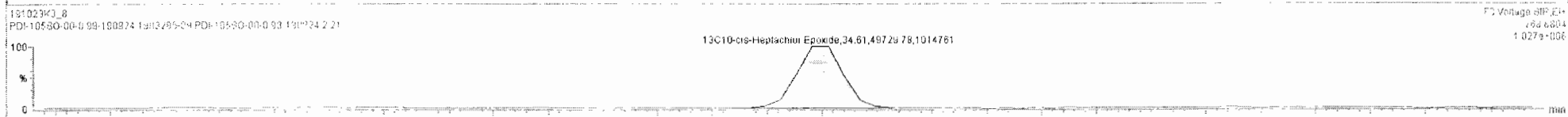
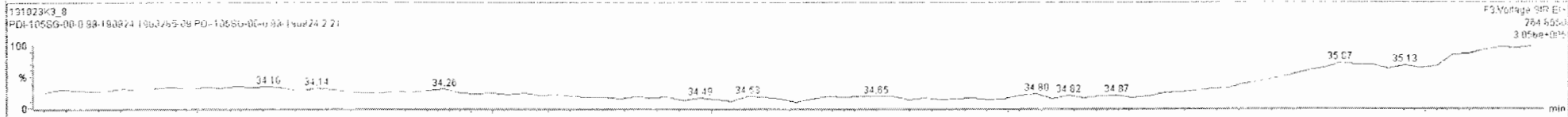
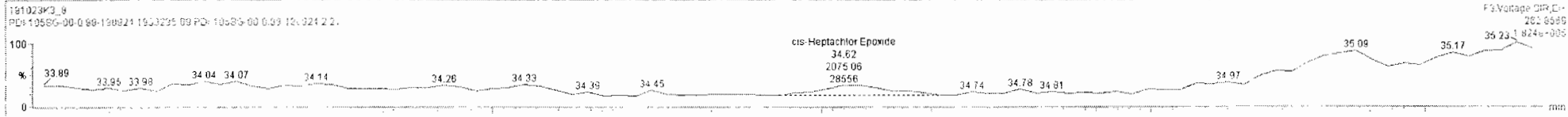
#	Name	Resp	IS Resp	CF	RA	n/y	RRF	wtAvol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec.	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1180	1.062	10.35	10.35	1.000	1.000	NO	2710	9.75	1790	
2	Hexachlorobenzene	2.95e5	1.19e6	34	1.16	NO	0.6398	1.062	23.13	23.13	1.001	1.001	NO	280	0.361	280	
3	Alpha-BHC	1.29e4	4.63e5	35	1.83	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0	4.65	35.0	
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141	6.59	141	
5	Beta-BHC	1.07e4	2.69e5	37	1.85	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8	5.59	43.8	
6	Delta-BHC	6.52e3	2.91e5	38	1.76	NO	0.8175	1.062	30.72	30.71	1.001	1.001	NO	33.7	5.16	33.7	
7	Heptachlor	1.69e4	2.43e5	39	0.98	NO	0.6683	1.062	29.16	29.17	1.001	1.001	NO	75.5	5.86	75.5	
8	4,4'-DDNU	6.10e4	2.91e5	38	3.27	NO	1.3629	1.062	30.61	30.61	0.997	0.997	NO	145	11.6	145	
9	Aldrin	2.02e4	2.31e5	40	1.63	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	85.8	25.6	85.8	
10	Oxychlorane	1.68e5	4.97e4	41		NO	0.9262	1.062	33.82	33.89	1.003	1.001	NO	33.8	111	0.000	
11	cis-Heptachlor Epoxide	2.08e3	8.06e4	42		NO	0.9386	1.062	34.63	34.62	1.000	1.001	NO	25.8	65.5	0.000	
12	trans-Heptachlor Epoxide	1.57e4	6.08e4	42	2.97	YES	0.2384	1.062	35.12	35.09	1.014	1.015	NO	769	257	496	
13	trans-Chlordane (gamma)	6.69e4	4.97e4	43	1.57	NO	0.9004	1.062	35.53	35.52	1.000	1.001	NO	1660	101	1980	
14	trans-Nonachlor	2.50e4	6.10e4	44	2.85	YES	0.9021	1.062	35.72	35.71	1.000	1.001	NO	427	85.7	284	
15	cis-Chlordane	4.41e4	6.10e4	44	1.44	NO	0.8988	1.062	36.21	36.21	1.014	1.014	NO	757	86.0	757	
16	Endosulfan I (gamma)	1.15e3	3.74e4	45		NO	1.0348	1.062	36.31	36.40	1.003	1.001	NO	26.0	134	0.000	
17	4,4'-DDMU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795	20.6	795	



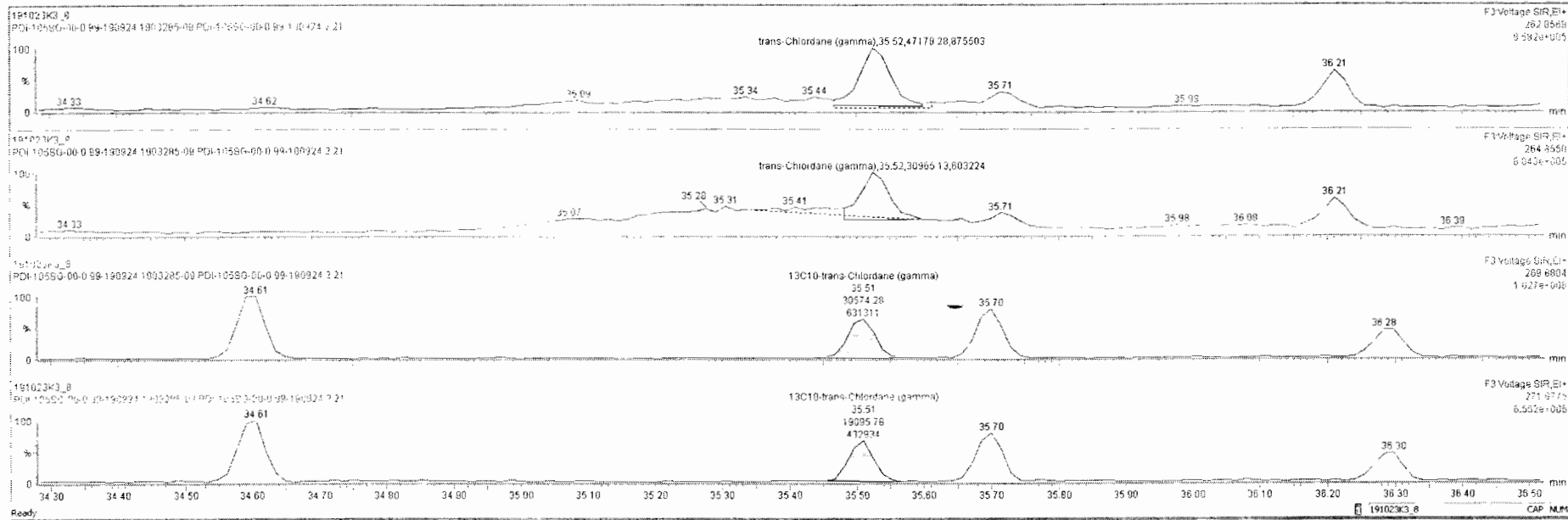
#	Name	Resp	IS Resp	IS#	RA	rV	RPF	wt/vol	Pred RT	RT	RRT	Pred PRT	Check PRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.95e5	1.19e6	34	1.18	NO	0.8348	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	280
3	Alpha-BHC	1.29e4	4.83e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
5	Beta-BHC	1.07e4	2.66e5	37	1.85	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.6		5.59	43.6
6	Delta-BHC	8.52e3	2.91e5	38	1.76	NO	0.8172	1.062	30.72	31.71	1.001	1.001	NO	33.7		5.16	33.7
7	Heptachlor	1.89e4	2.43e5	39	0.98	NO	0.8683	1.062	28.16	29.17	1.001	1.001	NO	75.5		5.66	75.5
8	4,4'-DDMU	5.10e4	2.91e5	38	3.27	NO	1.3629	1.062	30.81	30.81	0.997	0.997	NO	145		11.6	145
9	Axan	2.02e4	2.34e5	40	1.63	NO	0.9483	1.062	31.27	31.28	1.001	1.001	NO	85.8		25.6	85.8
10	Oxychlorane	4.76e4	41	NO	0.8262	1.062	33.82				1.001	NO				119	
11	cis-Heptachlor Epoxide	2.09e3	8.06e4	42		NO	0.9395	1.062	34.63	34.62	1.000	1.001	NO	25.8		65.5	0.000
12	trans-Heptachlor Epoxide	1.57e4	8.69e4	42	2.97	YES	0.2394	1.062	35.12	35.09	1.014	1.015	NO	769		257	496
13	trans-Chlordane (gamma)	8.69e4	4.97e4	43	1.57	NO	0.8004	1.062	35.53	35.52	1.000	1.001	NO	1980		1.01	1980
14	trans-Nonachlor	2.50e4	8.13e4	44	2.85	YES	0.9021	1.062	35.72	35.71	1.000	1.001	NO	427		65.7	284
15	cis-Chlordane	4.41e4	6.10e4	44	1.44	NO	0.8666	1.062	36.21	36.21	1.014	1.014	NO	757		86.0	757
16	Endosulfan (alpha)	1.15e3	3.74e4	45		NO	1.0348	1.062	38.31	38.40	1.003	1.001	NO	28.0		134	0.000
17	4,4'-DDMU	8.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.99	0.994	0.994	NO	795		20.6	795

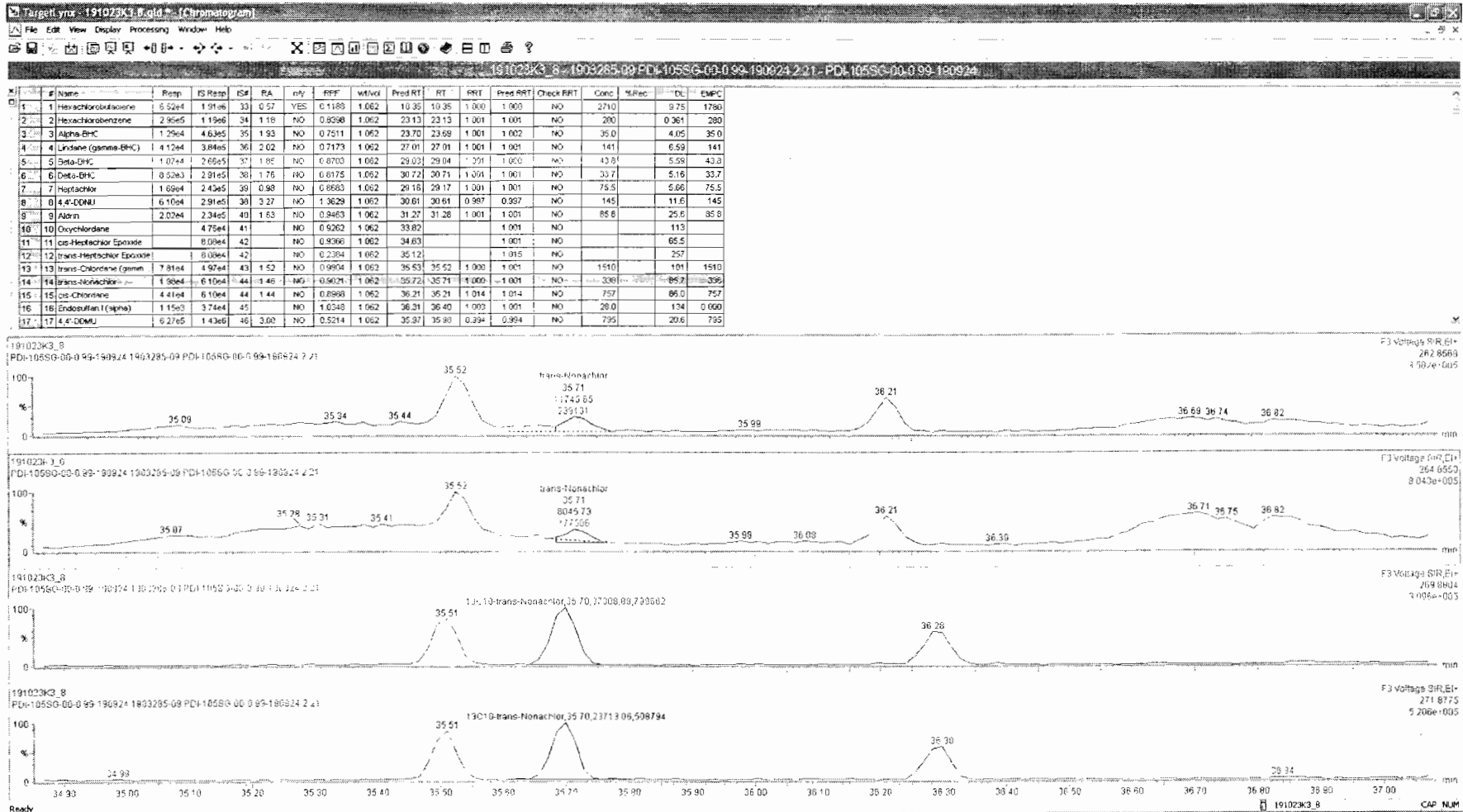


#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	PreI RT	RT	RRT	PreI RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.95e5	1.18e6	34	1.18	NO	0.8398	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	280
3	Alpha-BHC	1.29e4	4.83e5	35	1.90	NO	0.7511	1.062	23.70	23.89	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
5	Beta-BHC	1.07e4	2.66e5	37	1.85	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
6	Delta-BHC	8.52e3	2.91e5	38	1.76	NO	0.8175	1.062	30.72	30.71	1.001	1.001	NO	33.7		5.16	33.7
7	Heptachlor	1.69e4	2.43e5	39	0.98	NO	0.8693	1.062	29.16	29.17	1.001	1.001	NO	75.5		5.66	75.5
8	4,4'-DDNU	6.10e4	2.91e5	38	3.27	NO	1.3629	1.062	30.61	30.61	0.997	0.997	NO	145		11.6	145
9	Aldrin	2.02e4	2.34e5	40	1.63	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	85.8		25.6	85.8
10	Oxychlorane	4.78e4	4.1	41		NO	0.9362	1.062	33.82				1.001	NO			113
11	cis-Heptachlor Epoxide	6.09e4	42	42		NO	0.8356	1.062	34.63				1.001	NO			65.5
12	trans-Heptachlor Epoxide	1.57e4	9.08e4	42	2.97	YES	0.2334	1.062	35.12	35.09	1.014	1.015	NO	769		257	496
13	trans-Chlordane (gamma)	8.69e4	4.37e4	43	1.57	NO	0.9004	1.062	35.53	35.52	1.000	1.001	NO	1580		101	1680
14	trans-Nonachlor	2.50e4	6.10e4	44	2.35	YES	0.9021	1.062	35.72	35.71	1.000	1.001	NO	427		85.7	284
15	cis-Chlordane	4.41e4	8.10e4	44	1.44	NO	0.8988	1.062	36.21	36.21	1.014	1.014	NO	757		86.0	757
16	Endosulfan I (alpha)	1.15e3	3.74e4	45		NO	1.0348	1.062	36.31	36.40	1.003	1.001	NO	28.0		134	0.000
17	4,4'-DDMU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795		20.6	795

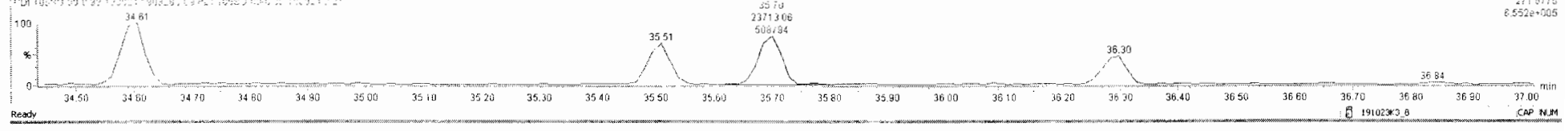
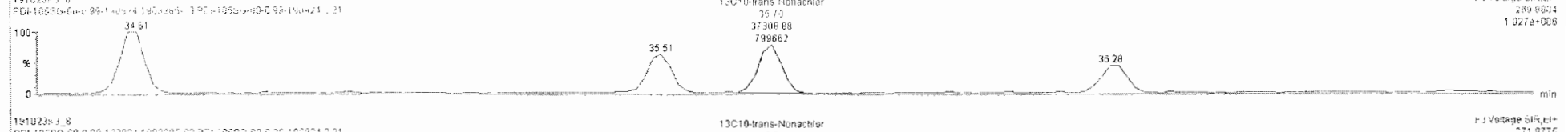
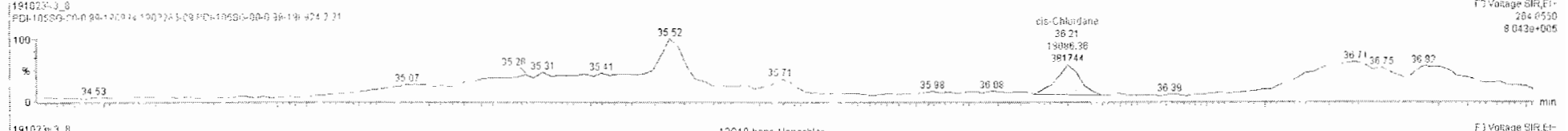
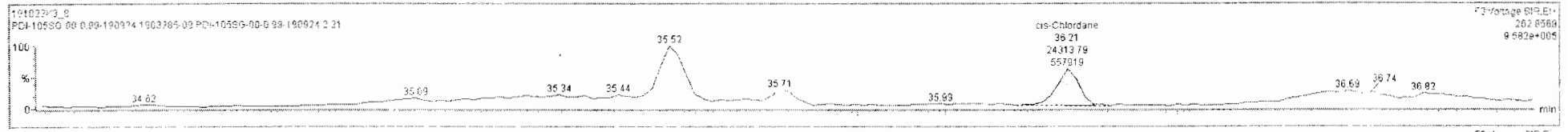


#	Name	Resp	IS Resp	ISF	RA	rdy	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec.	DL	ENPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1168	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1760
2	Hexachlorobenzene	2.95e5	1.16e6	34	1.18	NO	0.8398	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	280
3	Alpha-BHC	1.29e4	4.63e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		6.50	141
5	Beta-BHC	1.07e4	2.66e5	37	1.85	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
6	Delta-BHC	6.52e3	2.91e5	38	1.76	NO	0.8175	1.062	30.72	30.71	1.001	1.001	NO	33.7		5.16	33.7
7	Heptachlor	1.69e4	2.43e5	39	0.98	NO	0.8683	1.062	29.16	29.17	1.001	1.001	NO	75.5		5.66	75.5
8	4,4'-DDMU	6.10e4	2.91e5	38	3.27	NO	1.3679	1.062	30.61	30.81	0.997	0.997	NO	145		11.6	145
9	Alkin	2.02e4	2.34e5	40	1.63	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	85.8		25.6	85.8
10	Dysochlorane	4.76e4	41			NO	0.9262	1.062	33.82			1.001	NO				113
11	cis-Hexachlor Epoxide	8.08e4	42			NO	0.9366	1.062	34.63			1.001	NO				65.5
12	trans-Heptachlor Epoxide	8.08e4	42			NO	0.2384	1.062	35.12			1.015	NO				257
13	trans-Chlordane (gamma)	7.61e4	4.97e4	43	4.52	NO	0.8904	1.062	35.53	35.52	1.000	1.001	NO	1510		101	1510
14	trans-Nonachlor	2.50e4	6.10e4	44	2.85	YES	0.9021	1.062	35.72	35.71	1.003	1.001	NO	427		85.7	284
15	cis-Chlordane	4.41e4	6.10e4	44	1.44	NO	0.8988	1.062	36.21	36.21	1.014	1.014	NO	757		06.0	757
16	Endosulfan (alpha)	1.15e3	3.74e4	45		NO	1.0349	1.062	36.31	36.40	1.003	1.001	NO	29.0		1.34	0.000
17	4,4'-DDMU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.99	0.994	0.994	NO	795		20.8	795





#	Name	Resp	IS Resp	IS#	RA	nV	RRF	wtvol	Pred RT	RT	RRT	-Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.31e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.95e5	1.18e6	34	1.18	NO	0.8398	1.062	23.13	23.13	1.001	1.001	NO	290		0.361	280
3	Alkna-BHC	1.29e4	4.63e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		5.59	141
5	Beta-BHC	1.07e4	2.66e5	37	1.85	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
6	Delta-BHC	8.52e3	2.91e5	38	1.78	NO	0.9175	1.062	30.72	30.71	1.001	1.001	NO	33.7		5.16	33.7
7	Heptachlor	1.09e4	2.43e5	39	0.93	NO	0.9883	1.062	29.16	29.17	1.001	1.001	NO	75.5		5.88	75.5
8	4,4'-DDEU	6.10e4	2.91e5	39	3.27	NO	1.3629	1.062	30.61	30.61	0.997	0.997	NO	145		11.6	145
9	Alkin	2.02e4	2.34e5	40	1.63	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	65.8		25.8	65.8
10	Oxychlorane	4.76e4	41	NO	0.9262	1.062	33.92				1.001	NO				113	
11	cis-Heptachlor Epoxide	6.08e4	42	NO	0.9366	1.062	34.63				1.001	NO				65.5	
12	trans-Heptachlor Epoxide	6.08e4	42	NO	0.2384	1.062	35.12				1.015	NO				257	
13	trans-Chlordane (oem)	7.81e4	4.97e4	43	1.52	NO	0.9804	1.062	35.53	35.52	1.000	1.001	NO	1510		101	1510
14	trans-Nonachlor	1.98e4	6.10e4	44	1.46	NO	0.9021	1.062	35.72	35.71	1.000	1.001	NO	338		85.7	338
15	cis-Chlordane	4.24e4	6.10e4	44	1.34	NO	0.8369	1.062	36.21	36.21	1.014	1.014	NO	728		66.0	728
16	Endosulfan I (alpha)	1.15e3	3.74e4	45	NO	1.0348	1.062	38.31	36.40	1.003	1.001	NO	28.0		134	0.000	
17	4,4'-LDEU	6.27e5	1.43e6	46	3.00	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795		20.6	795



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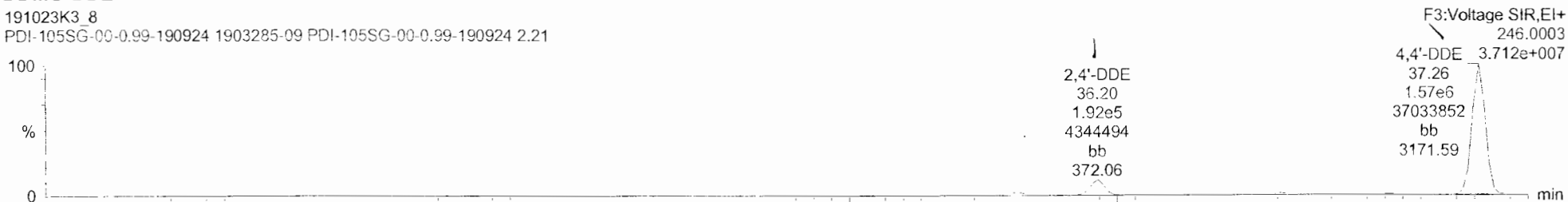
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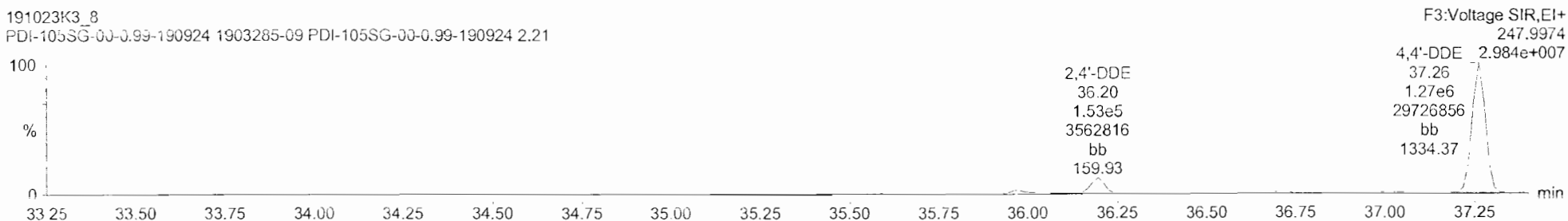
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DDMU-DDE

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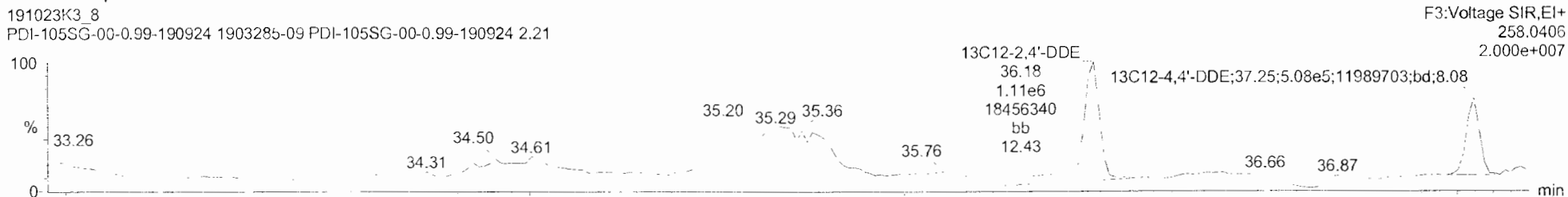


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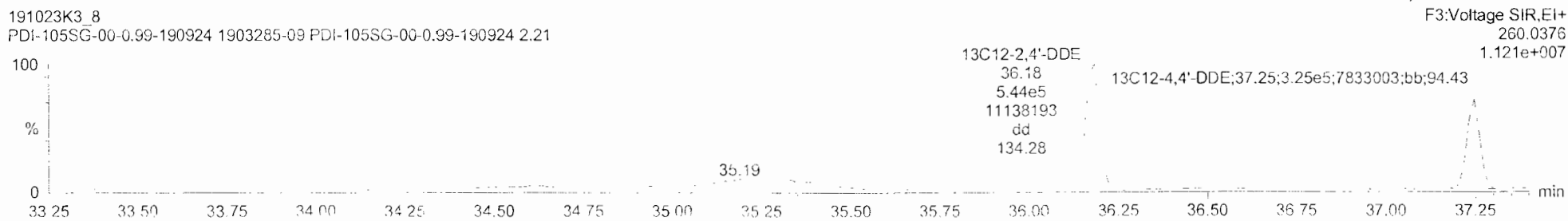


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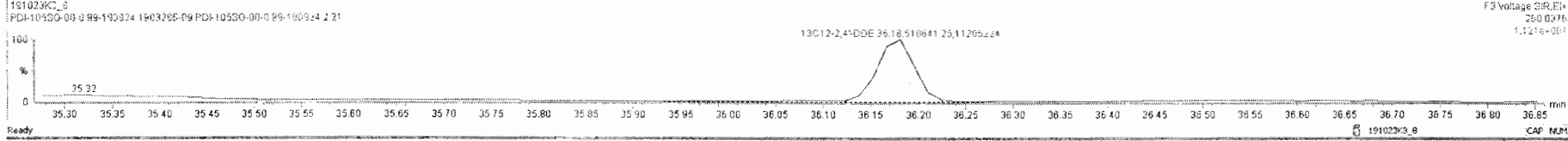
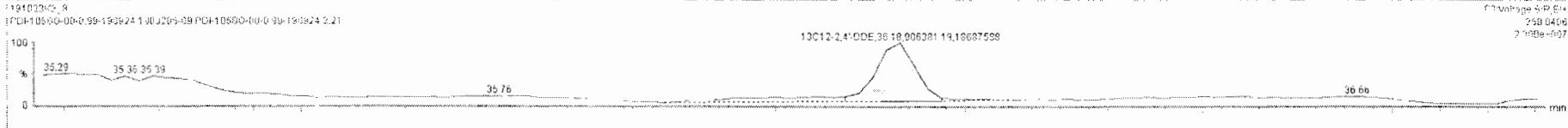
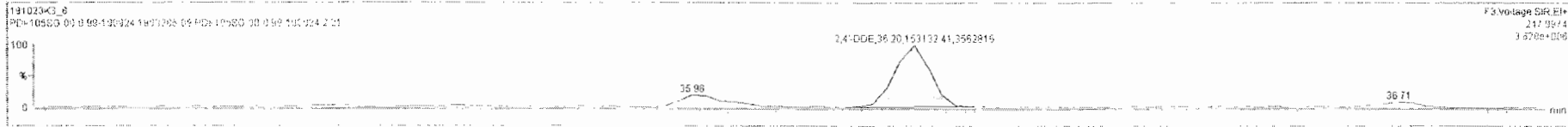
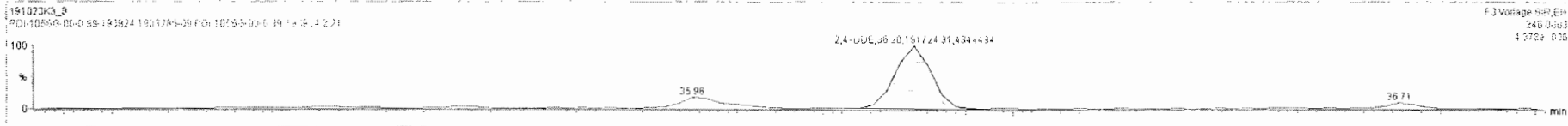
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PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21



#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	6.52e4	1.91e6	33	0.57	YES	0.1188	1.062	10.35	10.35	1.000	1.000	NO	2710		9.75	1780
2	Hexachlorobenzene	2.95e5	1.18e6	34	1.19	NO	0.8398	1.062	23.13	23.13	1.001	1.001	NO	280		0.361	280
3	Alpha-BHC	1.29e4	4.63e5	35	1.93	NO	0.7511	1.062	23.70	23.69	1.001	1.002	NO	35.0		4.05	35.0
4	Lindane (gamma-BHC)	4.12e4	3.84e5	36	2.02	NO	0.7173	1.062	27.01	27.01	1.001	1.001	NO	141		6.59	141
5	Beta-BHC	1.07e4	2.68e5	37	1.65	NO	0.8703	1.062	29.03	29.04	1.001	1.000	NO	43.8		5.59	43.8
6	Delta-BHC	8.52e3	2.91e5	38	1.76	NO	0.8175	1.062	30.72	30.71	1.031	1.001	NO	33.7		5.16	33.7
7	Heptachlor	1.69e4	2.43e5	39	0.98	NO	0.8693	1.062	29.16	29.17	1.001	1.001	NO	75.5		5.66	75.5
8	4,4'-DDNU	6.10e4	2.91e5	36	3.27	NO	1.3629	1.062	30.61	30.61	0.997	0.997	NO	145		11.6	145
9	Aldrin	2.02e4	2.34e5	40	1.63	NO	0.9463	1.062	31.27	31.28	1.001	1.001	NO	85.8		25.6	85.8
10	Oxychlorane		4.76e4	41		NO	0.9262	1.062	33.82				1.001	NO			113
11	cis-Heptachlor Epoxide		8.09e4	42		NO	0.9366	1.062	34.63				1.001	NO			65.5
12	trans-Heptachlor Epoxide		8.09e4	42		NO	0.2364	1.062	35.12				1.015	NO			257
13	trans-Chlordane (gamma)	7.81e4	4.97e4	43	1.52	NO	0.9804	1.062	35.53	35.52	1.000	1.001	NO	1510		101	1510
14	trans-Nonachlor	1.98e4	6.10e4	44	1.46	NO	0.9021	1.062	35.72	35.71	1.000	1.001	NO	338		65.7	338
15	cis-Chlordane	4.24e4	6.10e4	44	1.34	NO	0.6988	1.062	36.21	36.21	1.014	1.014	NO	726		86.0	726
16	Endosulfan (alpha)		3.74e4	45		NO	1.0348	1.062	36.31				1.009	NO			134
17	4,4'-DDMU	6.27e5	1.43e5	46	3.06	NO	0.5214	1.062	35.97	35.98	0.994	0.994	NO	795		20.6	795



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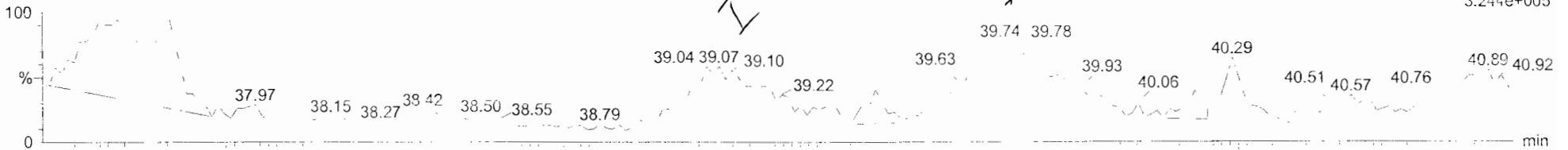
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Dieldrin-ElI

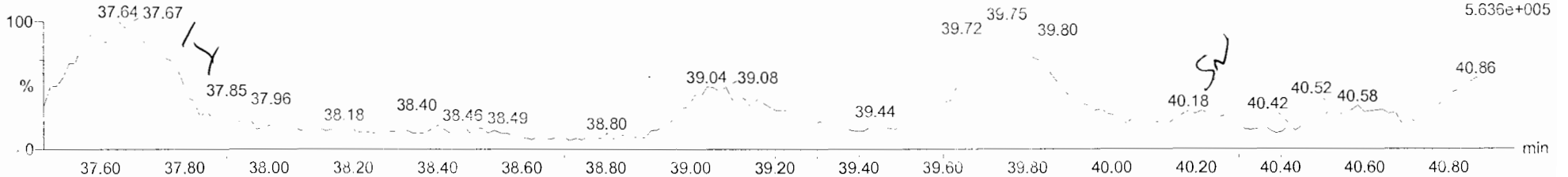
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F4:Voltage SIR,EI+
262.8569
3.244e+005



191023K3_8
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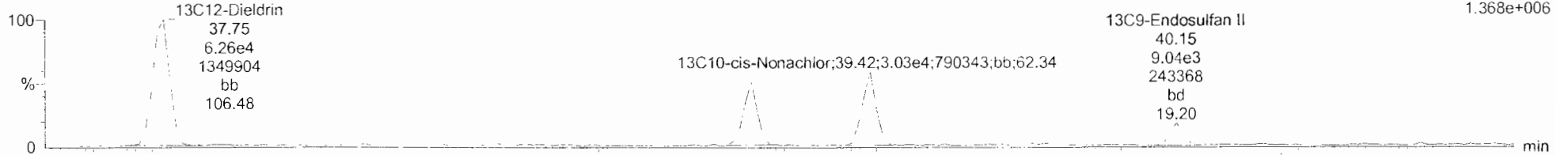
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264.8550
5.636e+005



Dieldrin-ElI-isotopes

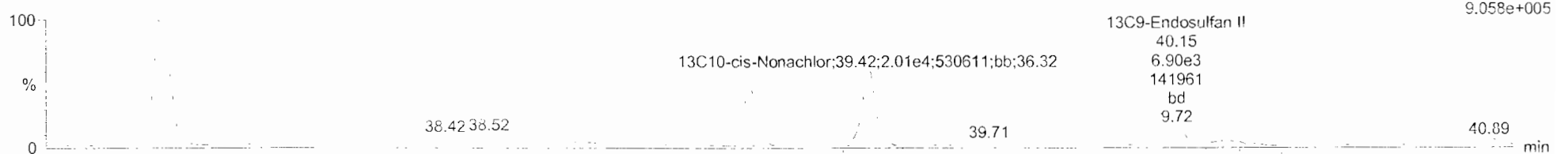
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F4:Voltage SIR,EI+
269.8804
1.368e+006



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
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9.058e+005



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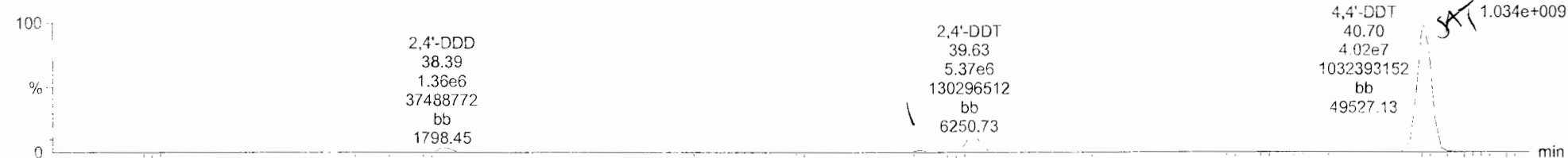
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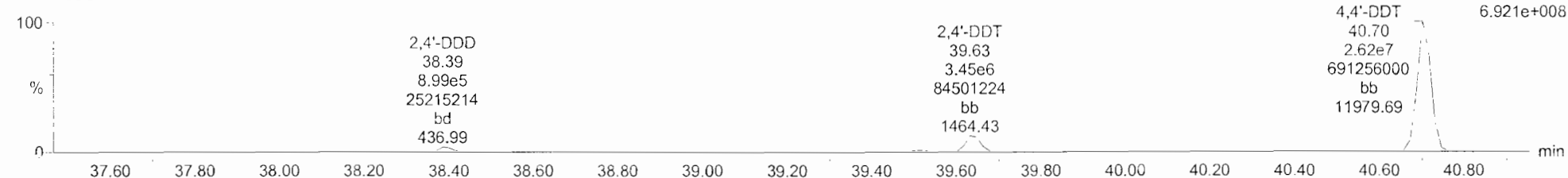
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DDD-DDT

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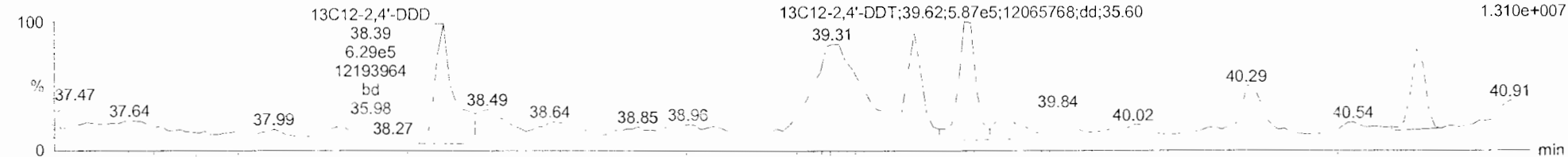


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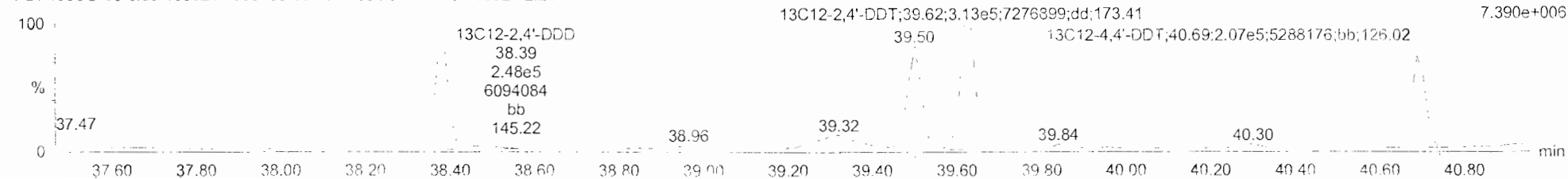


DDD-DDT-isotopes

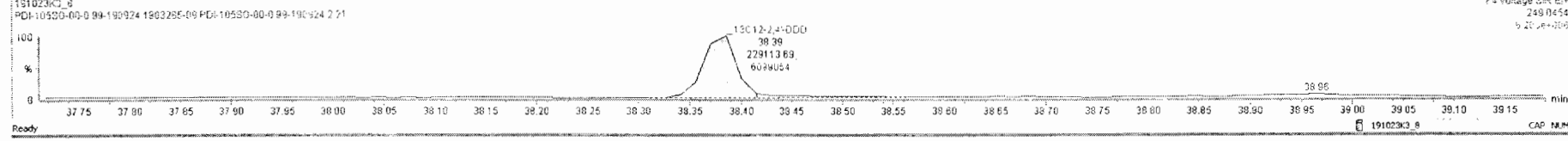
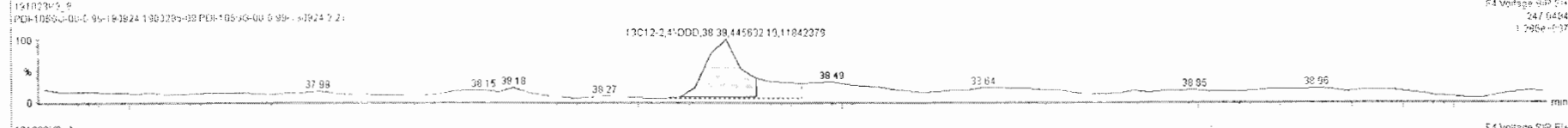
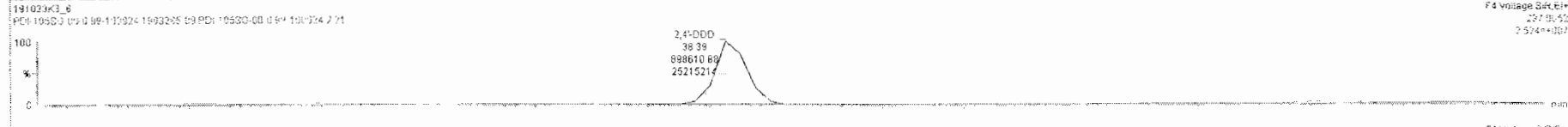
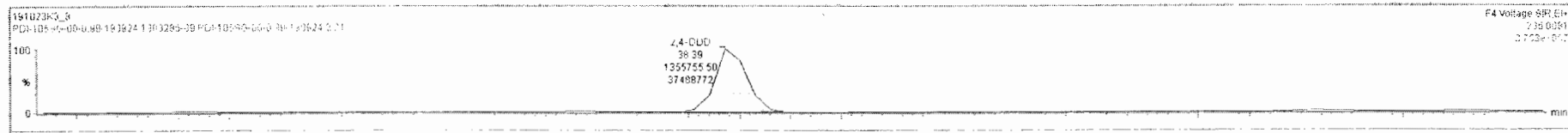
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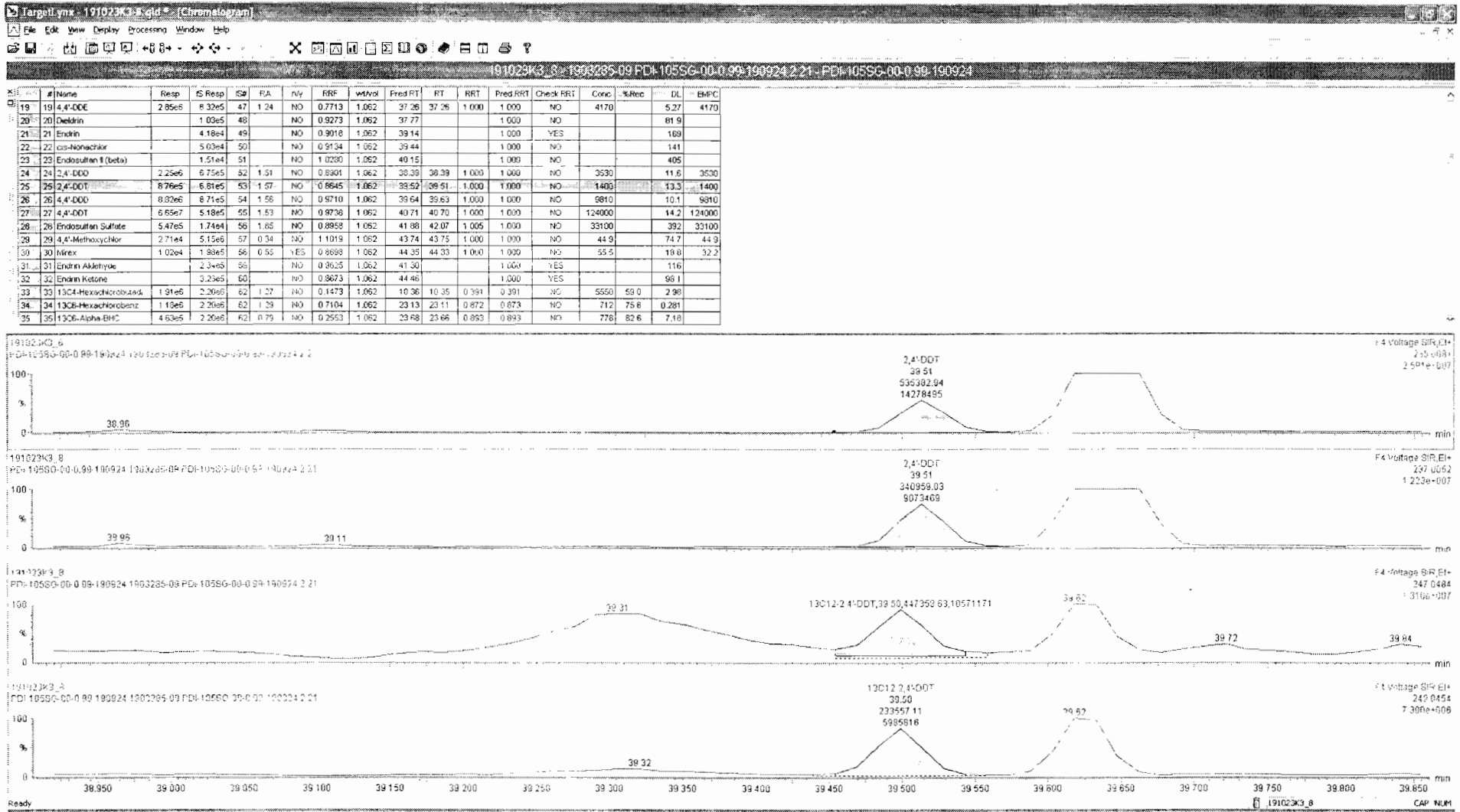


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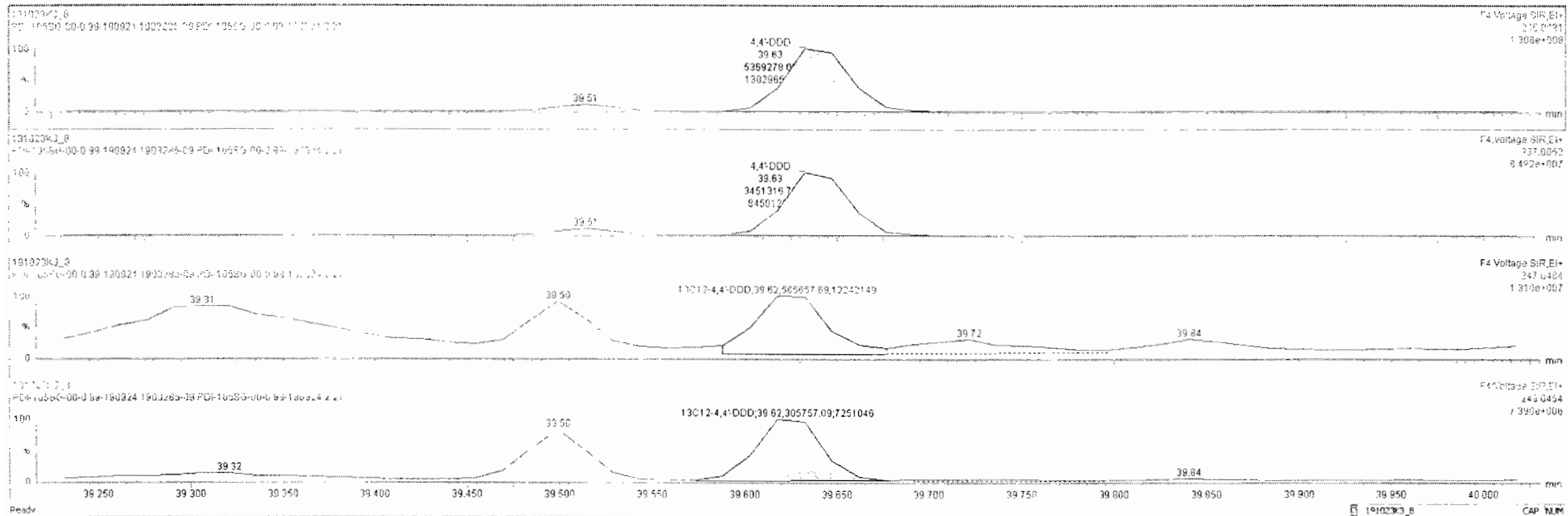
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19	19 4,4'-DDE	2.65e6	8.32e5	47	1.24	NO	0.7713	1.062	37.26	37.26	1.000	1.000	NO	4170		5.27	4170
20	20 Dieldrin	1.03e5	46	NO	0.9273	1.062	37.77				1.000	1.000	NO			81.9	
21	21 Endrin	4.18e4	49	NO	0.9018	1.062	39.14				1.000	1.000	YES			189	
22	22 cis-Nonachlor	5.05e4	50	NO	0.9134	1.062	38.44				1.000	1.000	NO			141	
23	23 Endosulfan II (beta)	1.51e4	51	NO	1.0280	1.062	40.15				1.000	1.000	NO			405	
24	24 2,4'-DDD	2.25e6	6.75e5	52	1.51	NO	0.6801	1.062	38.29	38.39	1.000	1.000	NO	3530		11.6	3530
25	25 2,4'-DDT	8.76e5	6.81e5	53	1.57	NO	0.6645	1.062	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	26 4,4'-DDO	8.82e6	8.71e5	54	1.56	NO	0.8710	1.062	39.64	39.63	1.000	1.000	NO	9810		10.1	9810
27	27 4,4'-DDT	6.65e7	5.19e5	55	1.53	NO	0.8738	1.062	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	28 Endosulfan Sulfate	5.47e5	1.74e4	56	1.65	NO	0.6958	1.062	41.86	42.07	1.005	1.000	NO	33100		392	33100
29	29 4,4'-Methoxychlor	2.71e4	5.15e5	57	0.34	NO	1.1019	1.062	43.74	43.75	1.000	1.000	NO	44.9		74.7	44.9
30	30 Mirex	1.02e4	1.99e5	58	0.55	YES	0.6958	1.062	44.25	44.33	1.000	1.000	NO	55.5		18.8	32.2
31	31 Endrin Aldehyde	2.34e5	59	NO	0.9625	1.062	41.30				1.000	1.000	YES			116	
32	32 Endrin Ketone	3.23e5	60	NO	0.6673	1.062	44.46				1.000	1.000	YES			99.1	
33	33 1,3,4-Hexachlorobutadi	1.91e6	2.20e6	62	1.27	NO	0.1473	1.062	10.36	10.35	0.391	0.391	NO	5550	58.0	2.98	
34	34 1,3,6-Hexachlorocycloz	1.13e6	2.20e6	62	1.29	NO	0.7104	1.062	23.13	23.11	0.872	0.873	NO	712	75.6	0.261	
35	35 1,3,6-Alpha-DC	4.63e5	2.20e6	62	0.79	NO	0.2553	1.062	23.68	23.66	0.893	0.893	NO	776	62.6	7.18	



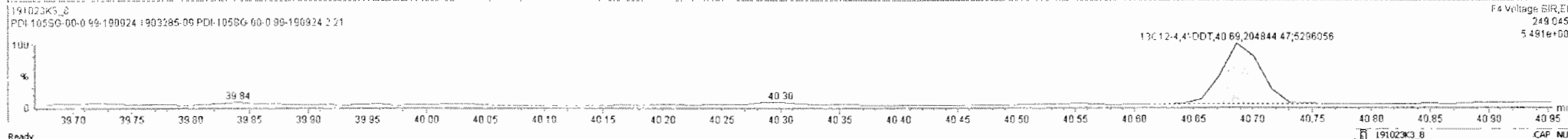
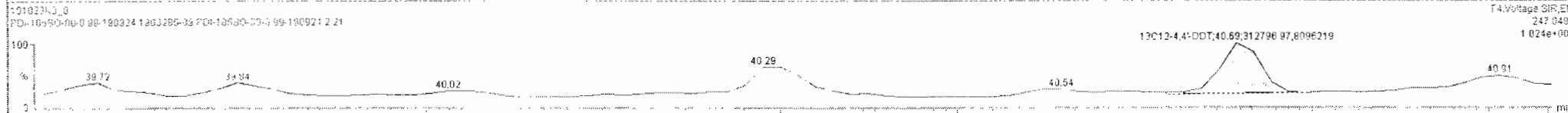
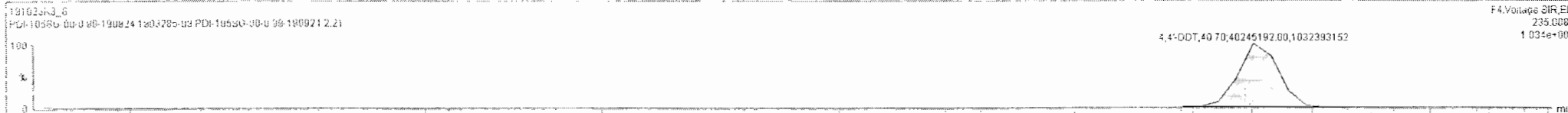


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#	Name	Resp	IS Resp	DF	RA	nV	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
19	4,4'-DDE	2.85e6	8.32e5	47	1.24	NO	0.7713	1.062	37.26	37.28	1.000	1.000	NO	4170		5.27	4170
20	Dieldrin		1.03e5	48		NO	0.9273	1.062	37.77				NO				81.9
21	Endrin		4.18e4	49		NO	0.9018	1.062	39.14				YES				189
22	cis-Nonachlor		5.03e4	50		NO	0.8134	1.062	39.44				NO				141
23	Endosulfan I (beta)		1.51e4	51		NO	1.0290	1.062	40.15				NO				405
24	2,4'-DDD	2.25e6	6.75e5	52	1.51	NO	0.8901	1.062	39.39	39.38	1.000	1.000	NO	3530		11.6	3530
25	2,4'-DDT	8.76e5	6.81e5	53	1.57	NO	0.8645	1.062	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	4,4'-DDD	8.82e6	8.71e5	54	1.56	NO	0.9710	1.062	39.64	39.63	1.000	1.000	NO	9910		10.1	9910
27	4,4'-DDT	6.65e7	5.18e5	55	1.53	NO	0.9738	1.062	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	Endosulfan Sulfate	5.47e5	1.74e4	56	1.86	NO	0.9958	1.062	41.88	42.07	1.005	1.000	NO	33100		392	33100
29	4,4'-Methoxychlor	2.71e4	5.15e6	57	0.34	NO	1.1019	1.062	43.74	43.75	1.000	1.000	NO	44.9		74.7	44.9
30	Mirex	1.02e4	1.89e5	58	0.55	YES	0.9898	1.062	44.35	44.33	1.000	1.000	NO	55.5		18.8	32.2
31	Endrin Aldehyde		2.34e5	59		NO	0.9625	1.062	41.39				YES				116
32	Endrin Ketone		3.23e5	60		NO	0.9573	1.062	44.46				YES				98.1
33	1304-Hexachlorobutadi	1.91e8	2.20e6	62	1.27	NO	0.1473	1.062	10.36	10.35	0.391	0.391	NO	5550	59.0	2.90	
34	1306-Hexachlorobenz.	1.18e6	2.20e6	62	1.29	NO	0.7104	1.062	23.13	23.11	0.872	0.873	NO	712	75.6	0.261	
35	1306-Alpha-BHC	4.63e5	2.20e6	62	0.79	NO	0.2553	1.062	23.69	23.66	0.893	0.893	NO	778	82.6	7.16	



#	Name	Resp	IS Resp	ISr	RA	idy	RFf	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
19	4,4'-DDE	2.85e6	8.32e5	47	1.24	NO	0.7713	1.062	37.26	37.26	1.000	1.000	NO	4170		5.27	4170
20	Dieldrin		1.03e5	48		NO	0.9273	1.062	37.77			1.000	NO			81.9	
21	Endrin		4.18e4	49		NO	0.9018	1.062	39.14			1.000	YES			169	
22	cis-Nonachlor		5.00e4	50		NO	0.9134	1.062	39.44			1.000	NO			141	
23	Endosulfan II (beta)		1.51e4	51		NO	1.0290	1.062	40.15			1.000	NO			405	
24	2,4'-DDD	2.25e6	6.75e5	52	1.51	NO	0.8901	1.062	38.39	38.39	1.000	1.000	NO	3530		11.6	3530
25	2,4'-DDT	8.78e5	6.81e5	53	1.57	NO	0.8645	1.062	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	4,4'-DDD	8.62e6	8.71e5	54	1.55	NO	0.9710	1.062	39.64	39.63	1.000	1.000	NO	9910		10.1	9910
27	4,4'-DDT	6.65e7	5.18e5	55	1.53	NO	0.9738	1.062	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	Endosulfan Sulfate	5.47e5	1.74e4	56	1.85	NO	0.8958	1.062	41.89	42.07	1.005	1.000	NO	33100		392	33100
29	4,4'-Methoxychlor	2.71e4	5.15e6	57	0.34	NO	1.1019	1.062	43.74	43.75	1.000	1.000	NO	44.9		74.7	44.9
30	Hevex	1.02e4	1.98e5	58	0.55	YES	0.8998	1.062	44.35	44.33	1.000	1.000	NO	55.5		18.8	32.2
31	Endrin Aldehyde		2.34e5	59		NO	0.9625	1.062	41.30			1.000	YES			116	
32	Endrin Ketone		3.23e5	60		NO	0.9673	1.062	44.46			1.000	YES			98.1	
33	1304-Hexachlorobutadi...	1.91e6	2.20e6	62	1.27	NO	0.1473	1.062	10.36	10.35	0.391	0.391	NO	5550	59.0	2.98	
34	1306-Hexachlorobenz...	1.18e6	2.20e6	62	1.29	NO	0.7104	1.062	23.13	23.11	0.672	0.673	NO	712	75.6	0.281	
35	1300-Alpha-BHC	4.63e6	2.20e6	62	0.79	NO	0.2553	1.062	23.68	23.66	0.893	0.893	NO	778	82.6	7.18	



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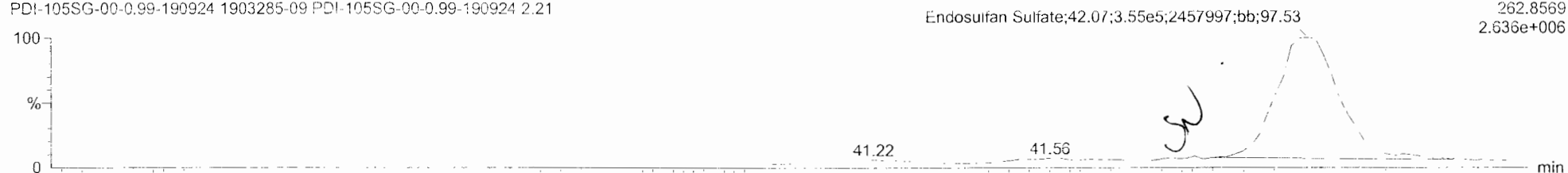
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Endosulfan Sulfate

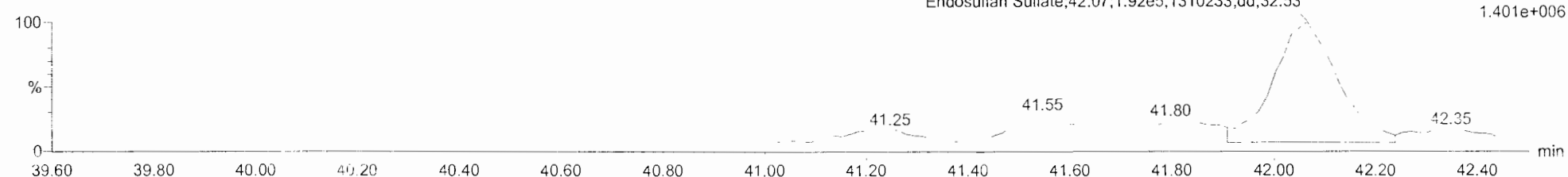
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F5:Voltage SIR,EI+
262.8569
2.636e+006



191023K3_8
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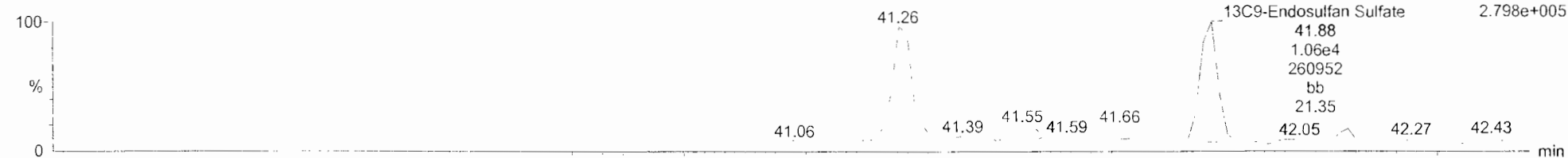
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13C9-Endosulfan Sulfate

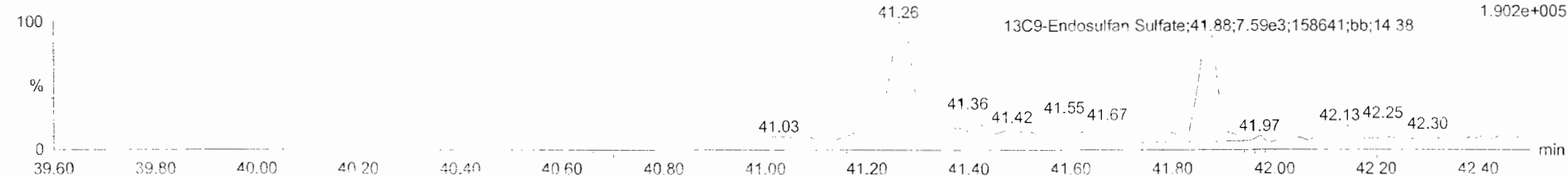
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F5:Voltage SIR,EI+
269.8804
2.798e+005

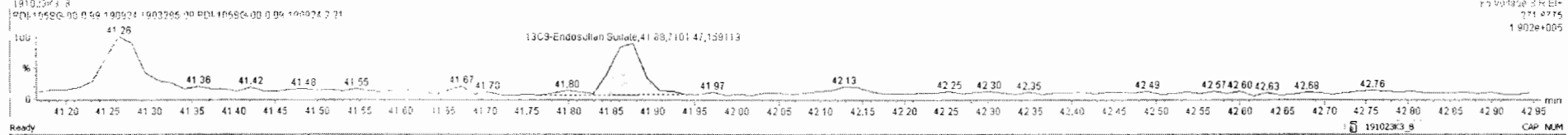
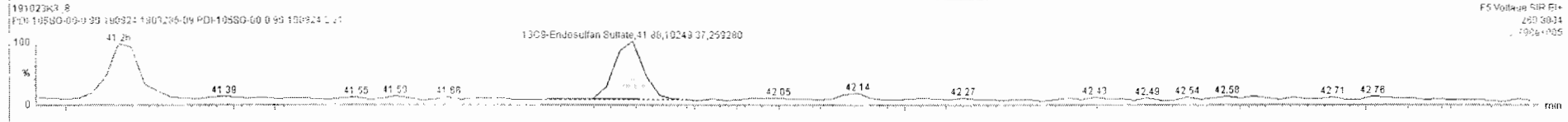
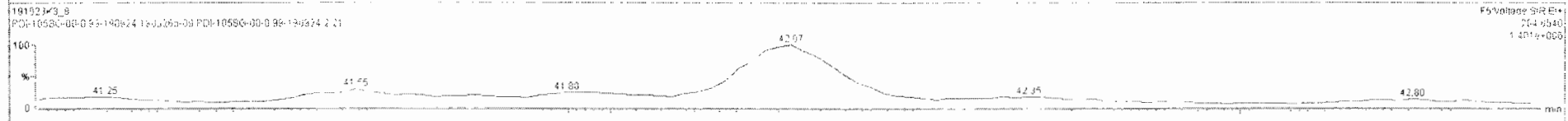
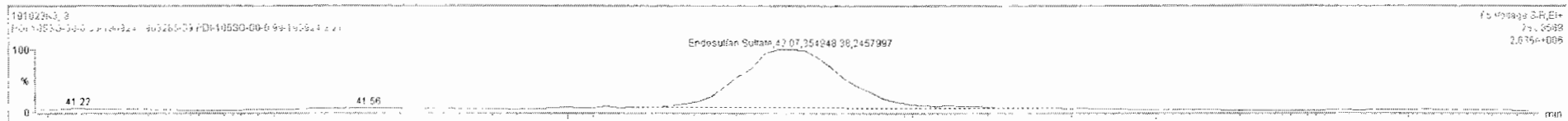


191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
271.8775
1.902e+005



#	Name	Ros	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
19	19 4,4'-DDE	2.85e6	0.32e5	47	1.24	NO	0.7713	1.0e2	37.26	37.26	1.000	1.000	NO	4170		5.27	4170
20	20 Dieldrin		1.03e5	48		NO	0.9273	1.0e2	37.77			1.000	NO			81.9	
21	21 Endrin		4.18e4	49		NO	0.9016	1.0e2	39.14			1.000	YES			159	
22	22 cis-Alonachlor		5.03e4	50		NO	0.9134	1.0e2	39.44			1.000	NO			141	
23	23 Endosulfan II (beta)		1.51e4	51		NO	1.0280	1.0e2	40.15			1.000	NO			465	
24	24 2,4'-DDO	2.25e6	9.75e5	52	1.51	NO	0.8901	1.0e2	38.99	38.99	1.000	1.000	NO	3530		11.6	3530
25	25 2,4'-DDT	8.75e5	6.81e5	53	1.57	NO	0.8645	1.0e2	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	26 4,4'-DDO	6.82e6	0.71e5	54	1.56	NO	0.9710	1.0e2	39.64	39.63	1.000	1.000	NO	9810		10.1	9810
27	27 4,4'-DDT	6.65e7	5.18e5	55	1.53	NO	0.9739	1.0e2	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	28 Endosulfan Sulfate		1.74e4	56		NO	0.8958	1.0e2	41.86			1.000	NO			392	
29	29 4,4'-Methoxychlor	2.71e4	5.15e5	57	0.34	NO	1.1019	1.0e2	43.74	13.75	1.000	1.000	NO	44.9		74.7	44.9
30	30 Mirex	1.02e4	1.98e5	58	0.55	YES	0.8696	1.0e2	44.35	44.33	1.000	1.000	NO	55.5		18.8	32.2
31	31 Endrin Acetate		2.34e5	59		NO	0.9625	1.0e2	41.35			1.000	YES			116	
32	32 Endrin Ketone		3.23e5	60		NO	0.9673	1.0e2	44.46			1.000	YES			98.1	
33	33 13C4-Hexachlorobutadi...	1.91e6	2.20e6	62	1.27	NO	0.1475	1.0e2	13.36	19.35	0.391	NO	NO	5550	59.0	2.98	
34	34 13C6-Hexachlorobenz.	1.1e6	2.20e6	62	1.29	NO	0.7104	1.0e2	23.13	23.11	0.872	0.873	NO	712	75.6	0.281	
35	35 13C6-Alpha-BHC	4.63e5	2.20e6	62	0.79	NO	0.2553	1.0e2	23.69	23.66	0.893	0.893	NO	778	82.6	7.18	



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time

Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

4,4'-Methoxychlor

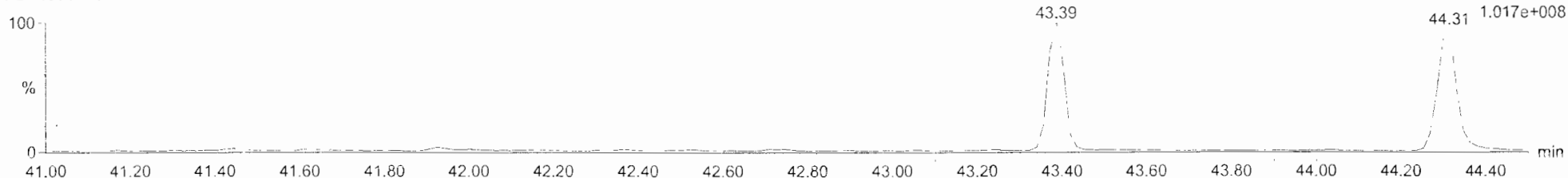
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
227.1072
4.095e+007



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

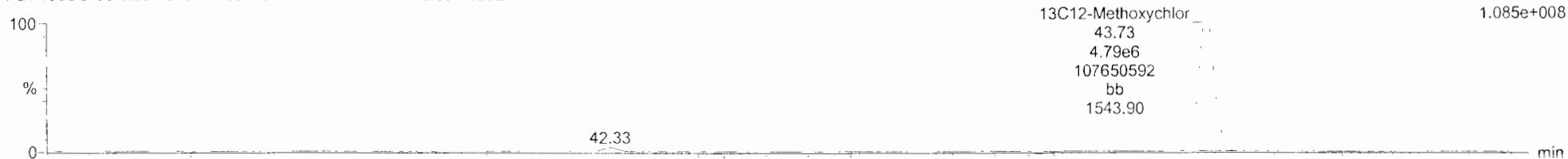
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228.1106
1.017e+008



13C12-Methoxychlor

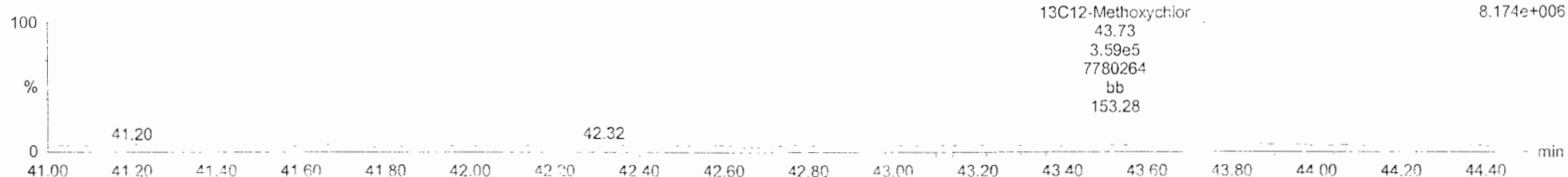
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PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
239.1475
1.085e+008



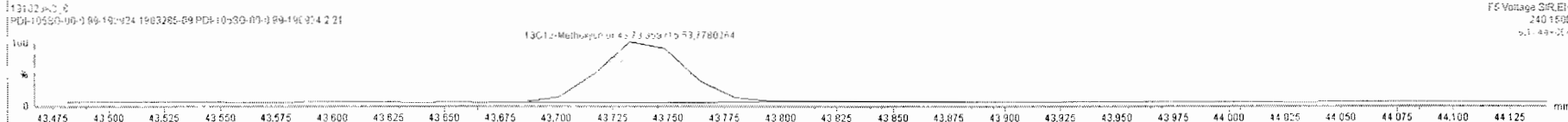
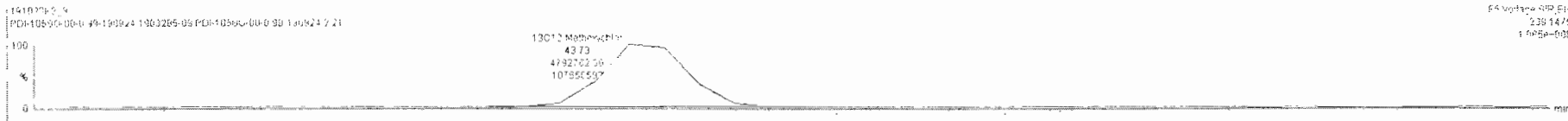
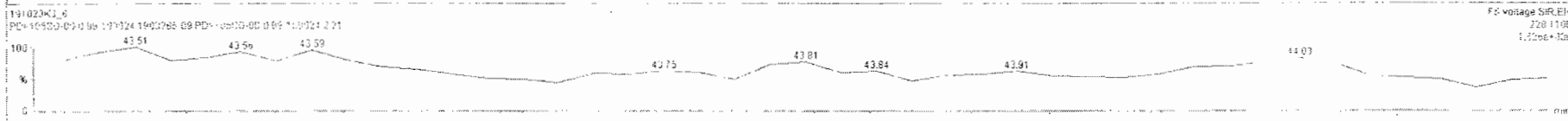
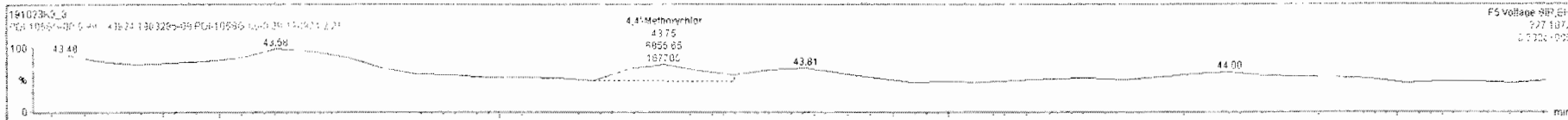
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PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
240.1508
8.174e+006



191023K3_8 - 1903285-09 PDI-1055G-00-0-99-190924-2.21 - PDI-1055G-00-0-99-190924

#	Name	Resp	IS Resp	IS4	RA	nlv	RRF	VolVol	PredRT	RT	FRT	ProdFRT	Check FRT	Conc.	%Rec	DL	EMPC
19	19 4,4-DOE	2.85e6	6.32e5	47	1.24	NO	0.7713	1.062	37.26	37.26	1.000	1.000	NO	43.70		5.27	4170
20	20 Dieldrin		1.03e5	48		NO	0.8273	1.062	37.77			1.000	NO			81.8	
21	21 Endrin		4.18e4	49		NO	0.8018	1.062	39.14			1.000	YES			169	
22	22 cis-Nonachlor		5.03e4	50		NO	0.9134	1.062	39.44			1.000	NO			141	
23	23 Endosulfan II (beta)		1.51e4	51		NO	1.0260	1.062	40.15			1.000	NO			405	
24	24 2,4-DDD	2.25e8	6.75e5	52	1.51	NO	0.8801	1.062	38.35	38.39	1.000	1.000	NO	3590		11.6	3520
25	25 2,4-DDT	8.76e5	6.81e5	53	1.57	NO	0.8645	1.062	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	26 4,4-DDD	8.82e6	8.71e5	54	1.56	NO	0.9710	1.062	39.64	39.63	1.000	1.000	NO	9810		10.1	9810
27	27 4,4-DDT	6.65e7	5.18e5	55	1.53	NO	0.9738	1.062	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	28 Endosulfan Sulfate	1.74e4	56			NO	0.8958	1.062	41.88			1.000	NO			392	
29	29 4,4'-Methoxychlor		5.15e6	57		NO	1.1019	1.062	43.74			1.000	NO			74.7	
30	30 Dieldrin	1.02e4	1.98e5	58	0.55	YES	0.8698	1.062	44.35	44.33	1.000	1.000	NO	55.5		18.8	32.2
31	31 Endrin Aldehyde		2.04e5	59		NO	0.9625	1.062	41.30			1.000	YES			116	
32	32 Endrin ketone		3.23e5	60		NO	0.8673	1.062	44.48			1.000	YES			98.1	
33	33 1,3,4-Methoxybenzene	1.51e8	2.20e6	62	1.27	NO	0.1473	1.062	10.36	10.35	0.391	0.391	NO	5590	59.0	2.98	
34	34 1,3,5-Methoxybenzene	1.18e5	2.20e6	62	1.29	NO	0.7104	1.062	23.13	23.11	0.872	0.873	NO	712	75.6	0.261	
35	35 1,3,6-Alpha-BHC	4.63e5	2.20e6	62	0.79	NO	0.2553	1.062	23.68	23.66	0.893	0.893	NO	778	82.6	7.18	



Dataset: Untitled

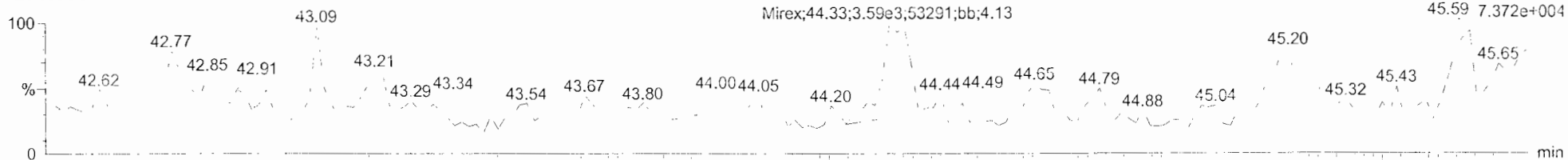
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Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

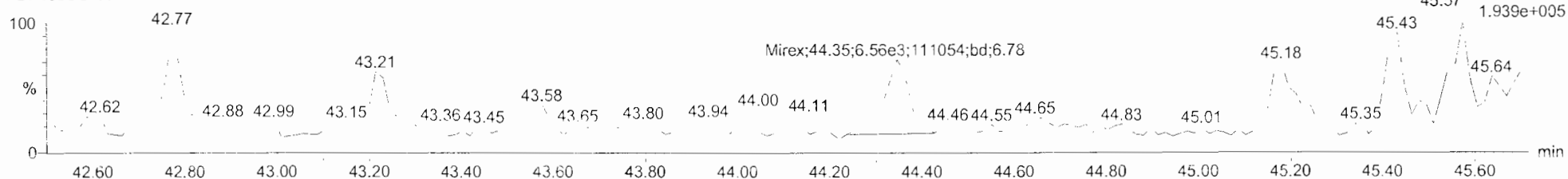
Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Mirex

191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

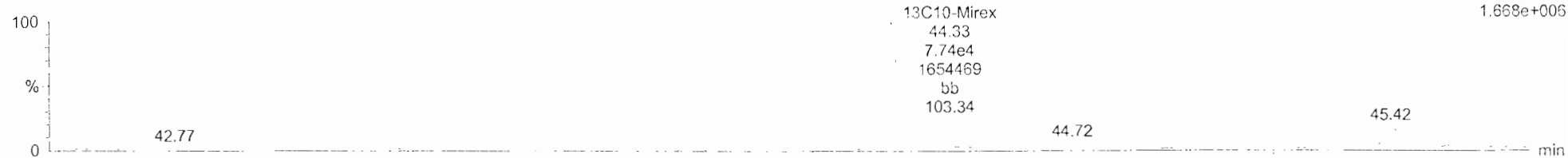


13C10-Mirex

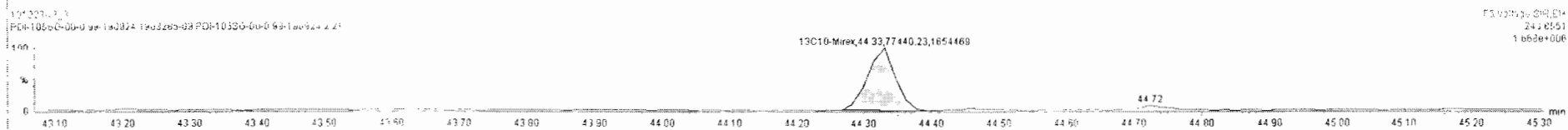
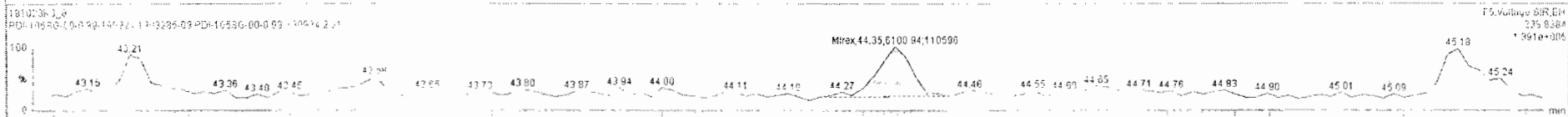
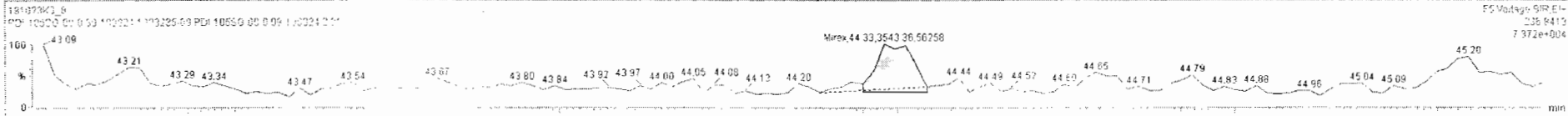
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21



#	Name	Resp	IS Resp	EW	RA	Inv	RRF	wt%vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	LL	EMPC
19	19 4,4-DDE	2.85e5	8.32e5	47	1.24	NO	0.7713	1.062	37.26	37.26	1.000	1.000	NO	4170		5.27	4170
20	20 Dieldrin		1.03e5	48		NO	0.9273	1.062	37.77			1.000	NO			81.9	
21	21 Endrin		4.18e4	49		NO	0.9018	1.062	38.14			1.000	YES			169	
22	22 cis-nonachlor		5.03e4	50		NO	0.9124	1.062	38.44			1.000	NO			141	
23	23 Endosulfan I (beta)		1.51e4	51		NO	1.0280	1.062	40.15			1.000	NO			405	
24	24 2,4-DDD	2.25e6	6.75e5	52	1.51	NO	0.8901	1.062	38.39	38.39	1.000	1.000	NO	3530		11.6	3530
25	25 2,4-DDT	8.76e5	6.81e5	53	1.57	NO	0.8645	1.062	38.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	26 4,4'-DDD	8.82e6	8.71e5	54	1.56	NO	0.9710	1.062	39.64	39.63	1.000	1.000	NO	9810		10.1	9810
27	27 4,4'-DDT	6.65e7	5.19e5	55	1.53	NO	0.9738	1.062	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	28 Endosulfan Sulfate		1.74e4	56		NO	0.8958	1.062	41.98			1.000	NO			392	
29	29 4,4-Methoxychlor		5.15e6	57		NO	1.1019	1.062	43.74			1.000	NO			74.7	
30	30 Mirex	9.04e3	1.58e5	58	0.58	YES	0.8638	1.062	44.25	44.33	1.000	1.000	NO	527		18.8	31.8
31	31 Endrin Aldohyde		2.34e5	59		NO	0.9924	1.062	41.20			1.000	YES			115	
32	32 Endrin Ketone		3.23e5	60		NO	0.9873	1.062	41.46			1.000	YES			98.1	
33	33 13C4-Hexachlorocyclopentadiene	1.91e6	2.20e6	62	1.27	NO	0.1472	1.062	43.36	43.35	0.391	0.391	NO	5550	59.0	7.98	
34	34 13C6-Hexachlorobenzene	1.18e6	2.20e6	62	1.29	NO	0.7104	1.062	43.68	43.68	0.672	0.673	NO	712	75.6	0.281	
35	35 13C6-Alpha-BHC	4.63e5	2.20e6	62	0.79	NO	0.2553	1.062	43.68	43.68	0.693	0.693	NO	778	82.6	7.18	



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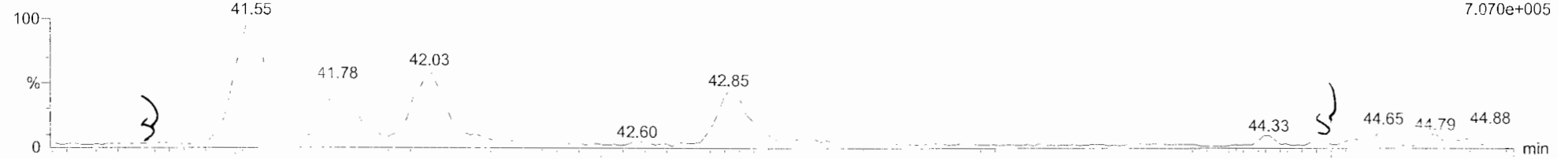
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EA-EK

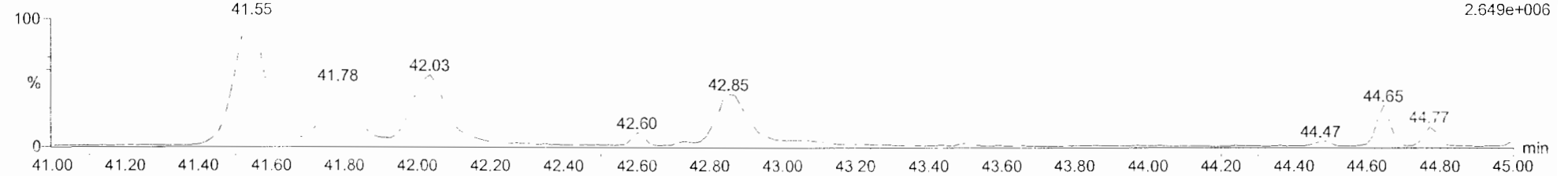
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
247.8521
7.070e+005



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

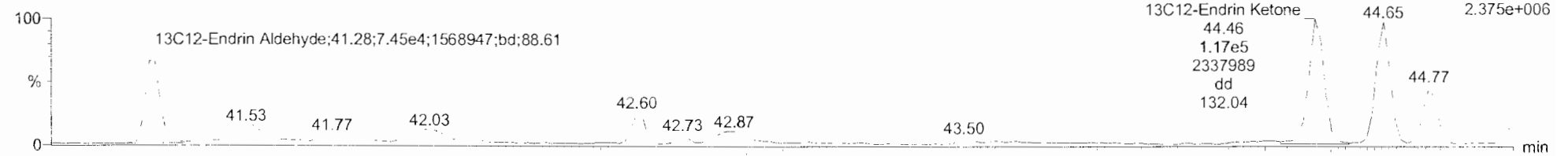
F5:Voltage SIR,EI+
249.8491
2.649e+006



EA-EK-isotopes

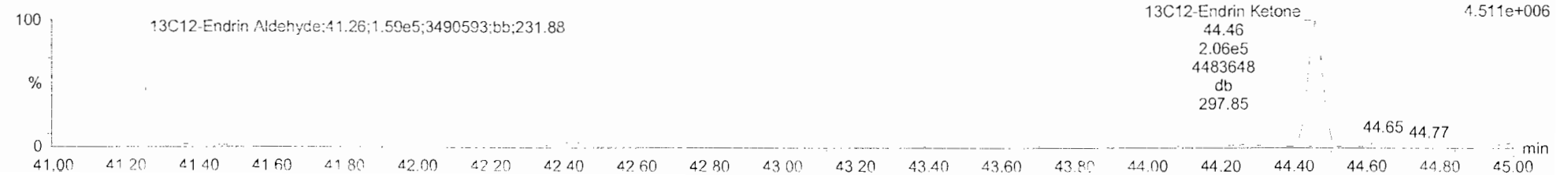
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
253.8722
2.375e+006

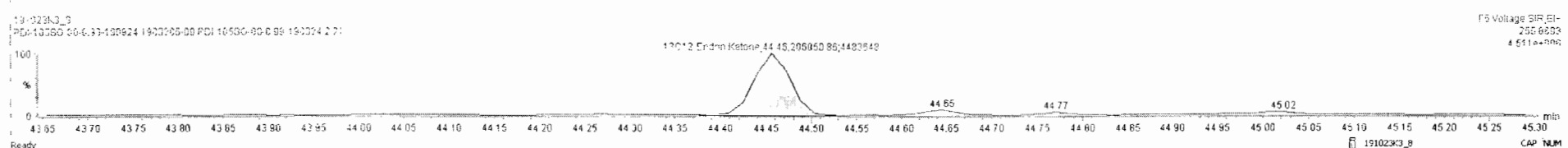
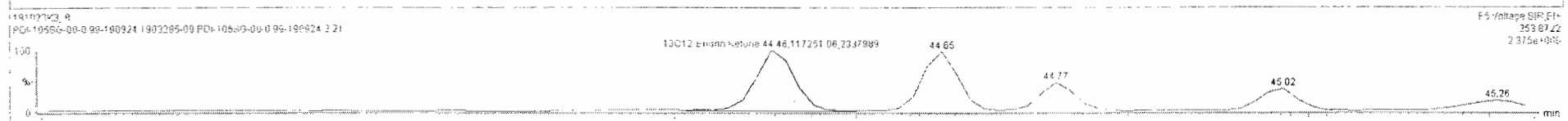
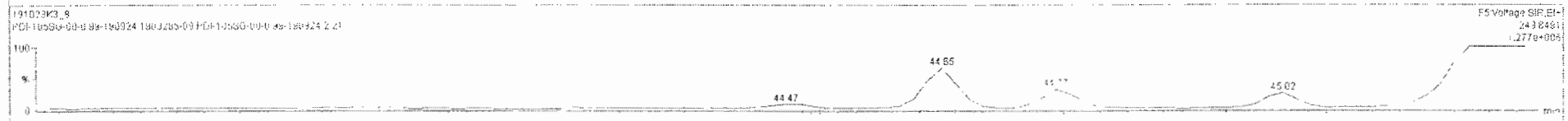
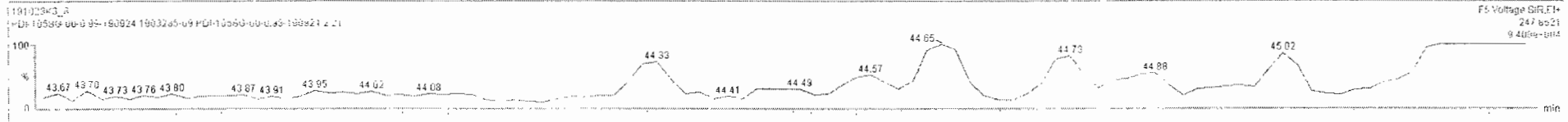


191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
255.8693
4.511e+006



#	Name	Reso	IS Resp	IS#	RA	r/fy	RFF	wt/Vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
19	4,4'-DDE	2.85e6	8.32e5	47	1.24	NO	0.7713	1.062	37.26	37.26	1.000	1.000	NO	4170		5.27	4170
20	Dieldrin		1.03e5	48		NO	0.9273	1.062	37.77			1.000	NO				81.9
21	Endrin		4.19e4	49		NO	0.9016	1.062	39.14			1.000	YES				169
22	cis-Hexachlor		5.03e4	50		NO	0.9134	1.062	39.44			1.000	NO				141
23	Endosulfan I (Beta)		1.51e4	51		NO	1.0360	1.062	40.15			1.000	NO				405
24	2,4'-DDO	2.25e6	6.75e5	52	1.51	NO	0.8901	1.062	38.39	39.39	1.000	1.000	NO	3530		11.8	3530
25	2,4'-DDT	8.75e5	8.91e5	53	1.57	NO	0.9645	1.062	39.52	39.51	1.000	1.000	NO	1400		13.3	1400
26	4,4'-DDO	8.82e6	8.71e5	54	1.56	NO	0.9710	1.062	39.84	39.83	1.000	1.000	NO	9810		10.1	9810
27	4,4'-DDT	6.65e7	5.18e5	55	1.53	NO	0.9738	1.062	40.71	40.70	1.000	1.000	NO	124000		14.2	124000
28	Endosulfan Sulfate		1.74e4	56		NO	0.8958	1.062	41.88			1.000	NO				352
29	4,4'-Methoxychlor		5.15e6	57		NO	1.1019	1.062	43.74			1.000	NO				74.7
30	Mirex	0.64e3	1.98e5	58	0.58	YES	0.8698	1.062	44.35	44.33	1.000	1.000	NO	52.7		18.6	21.8
31	Endrin Aldehyde		2.34e5	59		NO	0.9625	1.062	41.30			1.000	YES				115
32	Endrin Ketone		3.25e5	60		NO	0.8673	1.062	44.46			1.000	YES				86.1
33	13C24-Hexachlorobutadi	1.91e6	2.20e6	62	1.27	NO	0.1473	1.062	10.36	10.35	0.791	0.351	NO	5550	59.0	2.89	
34	13C25-Hexachlorobenz	1.18e6	2.20e6	62	1.29	NO	0.7104	1.062	23.13	23.11	0.872	0.873	NO	712	75.6	0.281	
35	13C26-Alpha-DHC	4.63e5	2.20e6	62	0.79	NO	0.3553	1.062	23.65	23.66	0.833	0.844	NO	778	82.6	7.18	



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Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time

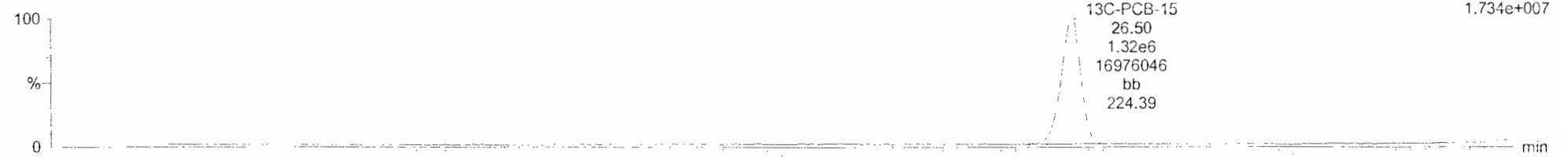
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Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

13C-PCB-15

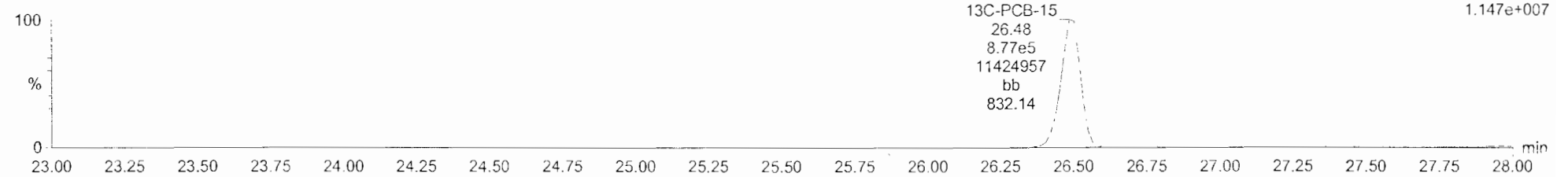
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F2:Voltage SIR,EI+
234.0405
1.734e+007



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

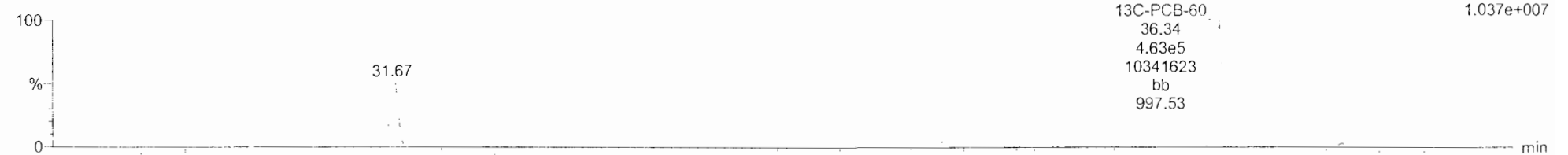
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236.0376
1.147e+007



13C-PCB-60

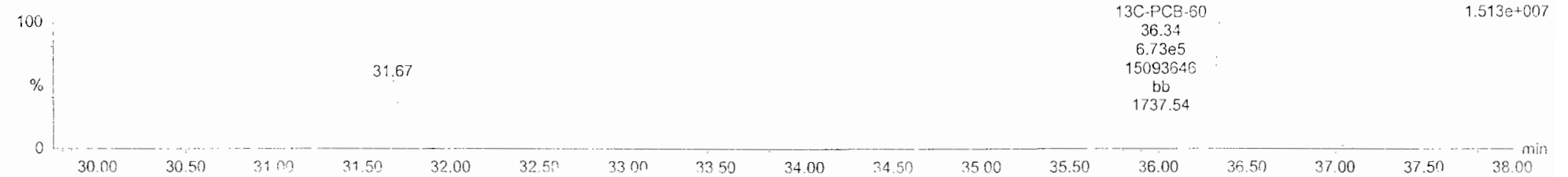
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
301.9626
1.037e+007



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
303.9597
1.513e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time

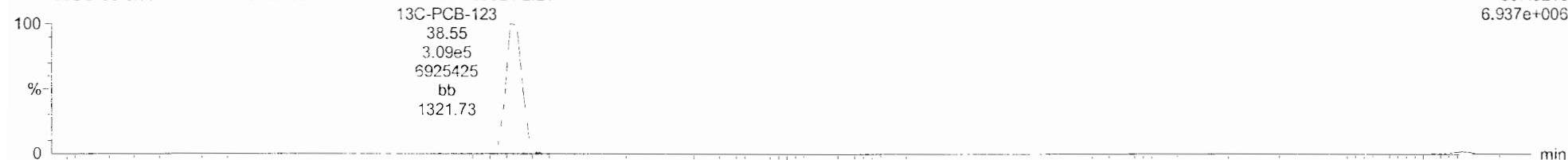
Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

13C-PCB-123

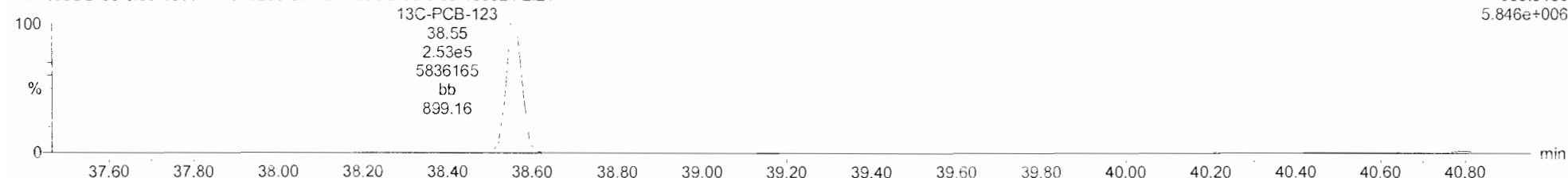
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
337.9210
6.937e+006



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

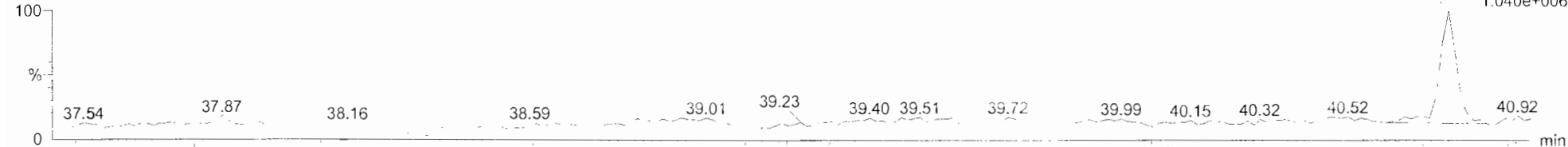
F4:Voltage SIR,EI+
339.9180
5.846e+006



13C-PARLAR 39

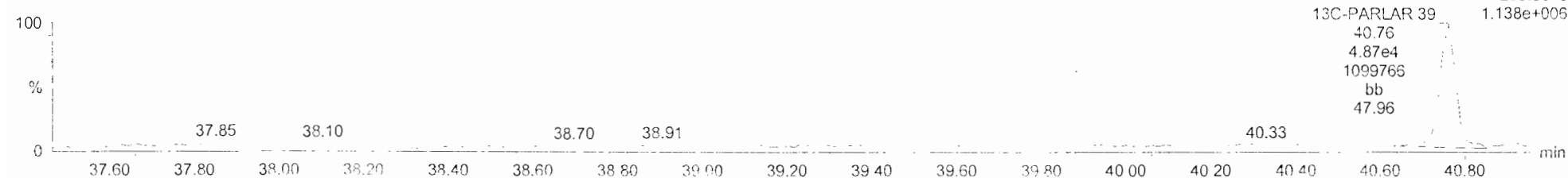
191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
251.9648
1.040e+006
13C-PARLAR 39;40.76;4.34e4;905188;bb;27.40



191023K3_8
PDI-105SG-00-0.99-190924 1903285-09 PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
253.9619
1.138e+006
13C-PARLAR 39



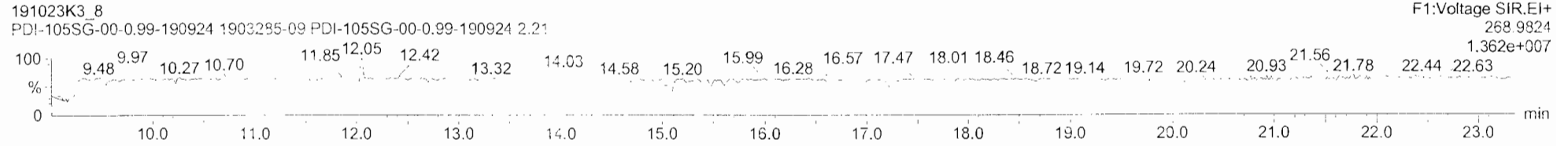
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Last Altered: Thursday, October 24, 2019 13:16:47 Pacific Daylight Time

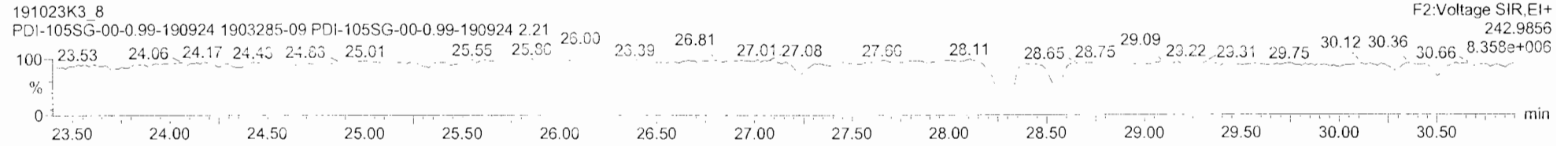
Printed: Thursday, October 24, 2019 13:17:08 Pacific Daylight Time

Name: 191023K3_8, Date: 24-Oct-2019, Time: 11:20:10, ID: 1903285-09 PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

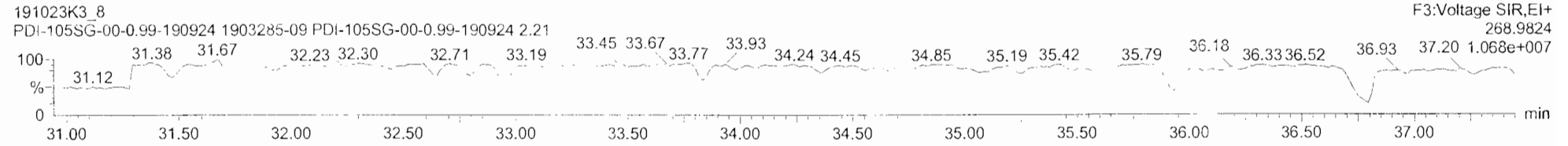
PFK1



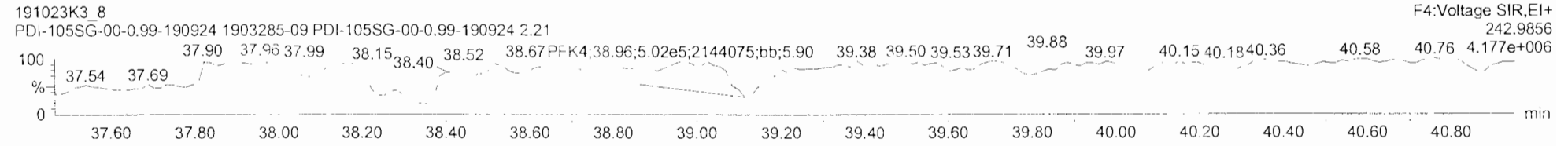
PFK2



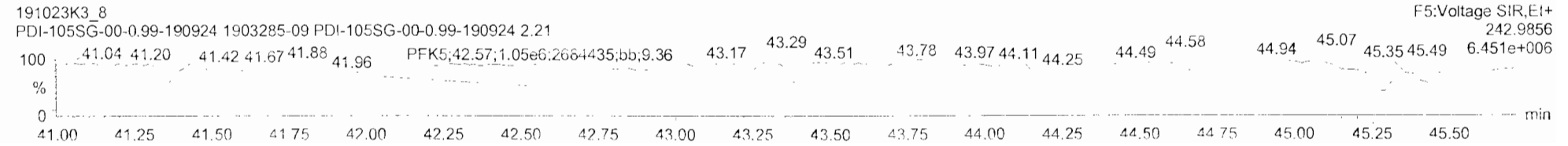
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191023K2\191023K2-10.qld

Last Altered: Friday, October 25, 2019 14:27:41 Pacific Daylight Time

Printed: Friday, October 25, 2019 15:15:39 Pacific Daylight Time

GRB 10/25/19

Hc 10-30-19 CT 10/30/19

Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	27 4,4'-DDT	6.90e6	5.01e4	1.53	NO	0.974	1.062	40.69	40.69	1.000	1.000	NO	133000		145	133000
2	55 13C12-4,4'-DDT	5.01e4	1.50e5	1.41	NO	0.354	1.062	40.67	40.67	1.537	1.537	NO	885	94.1	262	
3	62 13C-PCB-15	1.50e5	1.50e5	1.55	NO	1.00	1.062	26.48	26.47	1.000	1.000	NO	941	100	23.5	

Dataset: Untitled

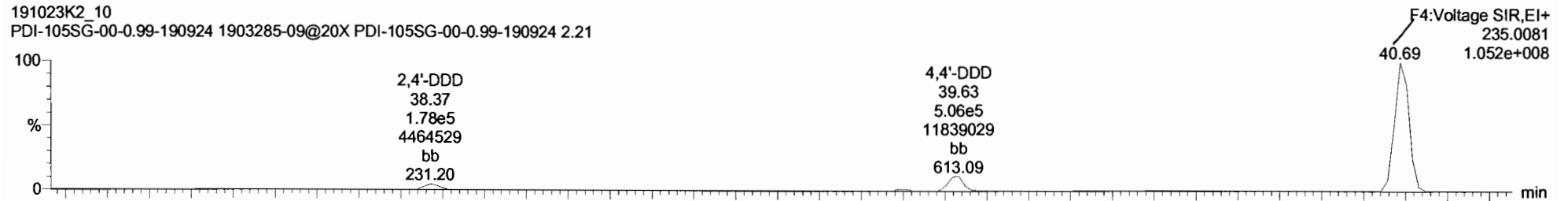
Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

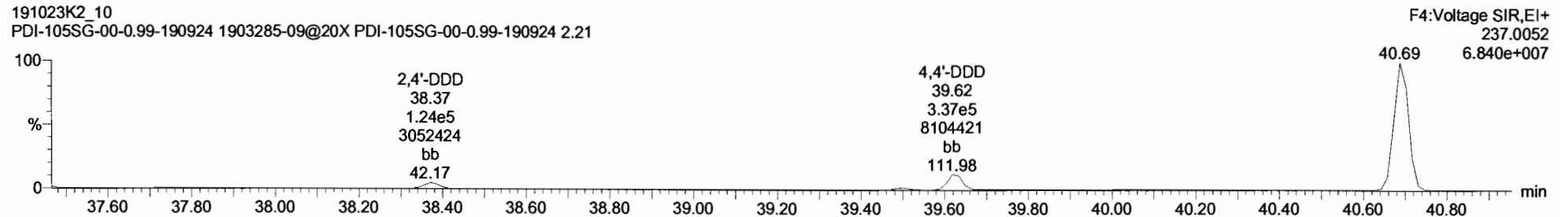
Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

DDD-DDT

191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

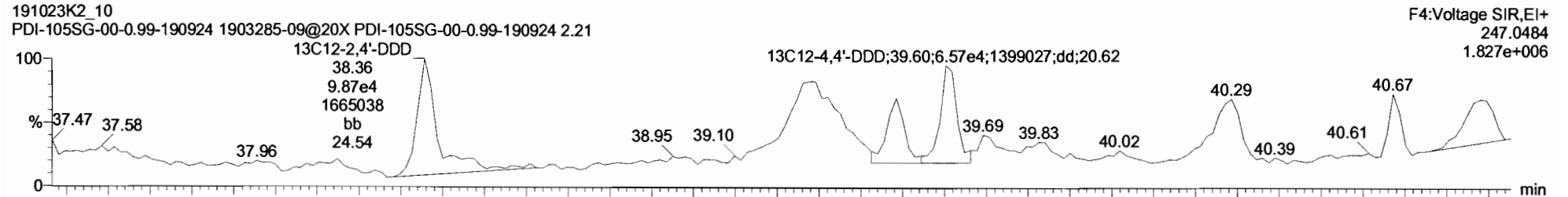


191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

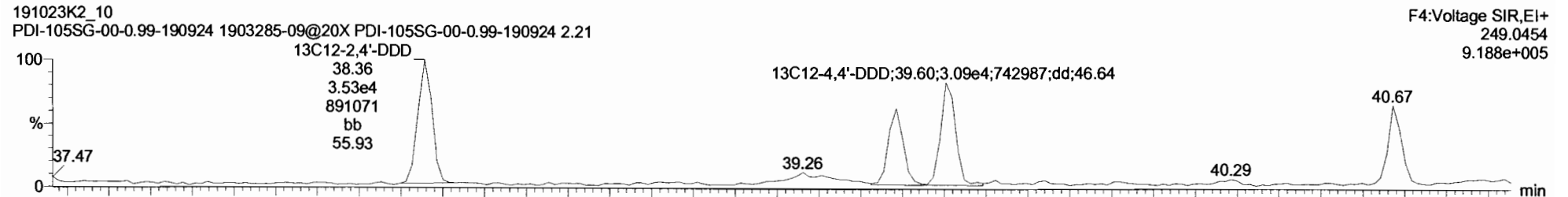


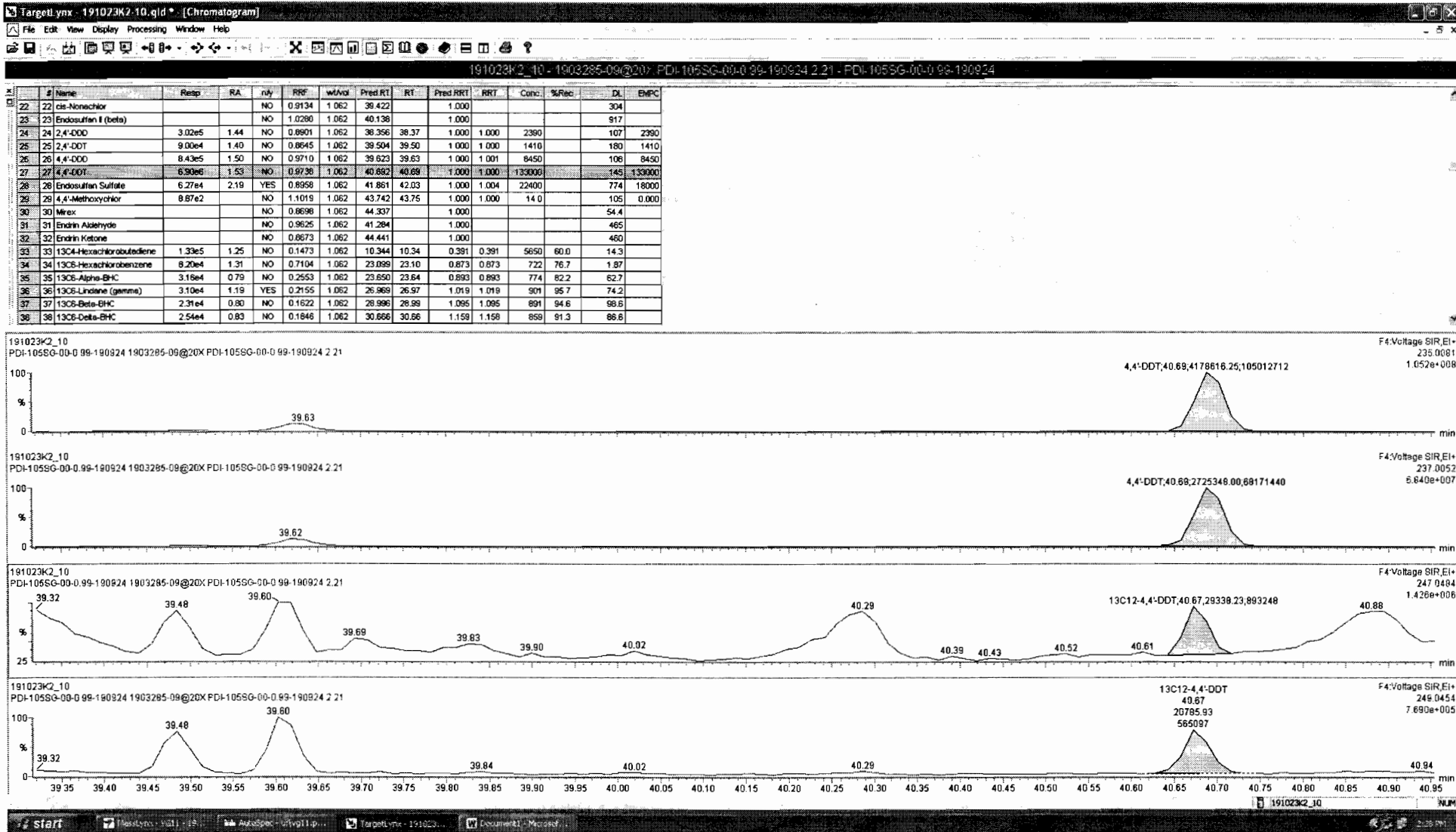
DDD-DDT-isotopes

191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21





Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

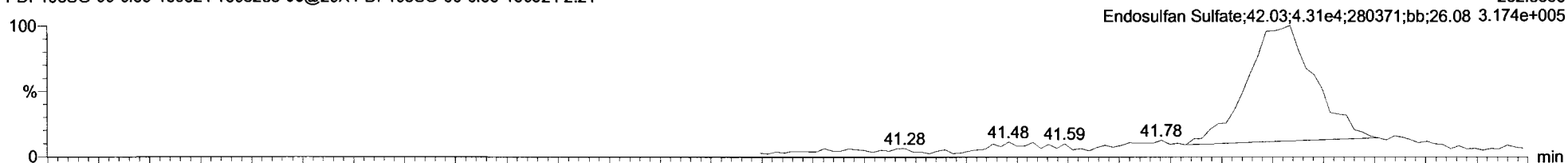
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Endosulfan Sulfate

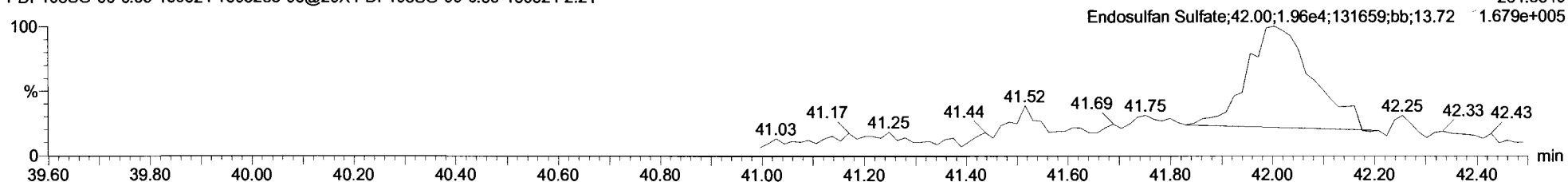
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
262.8569



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

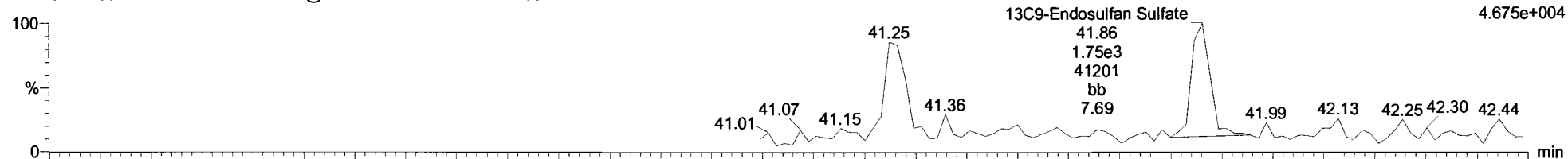
F5:Voltage SIR,EI+
264.8540



13C9-Endosulfan Sulfate

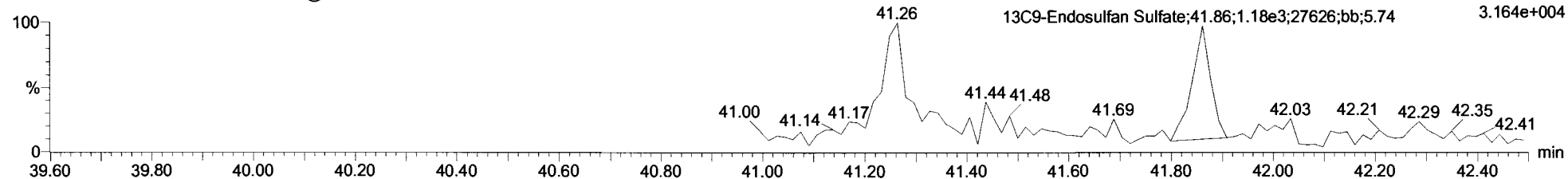
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
269.8804
4.675e+004



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
271.8775
3.164e+004



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

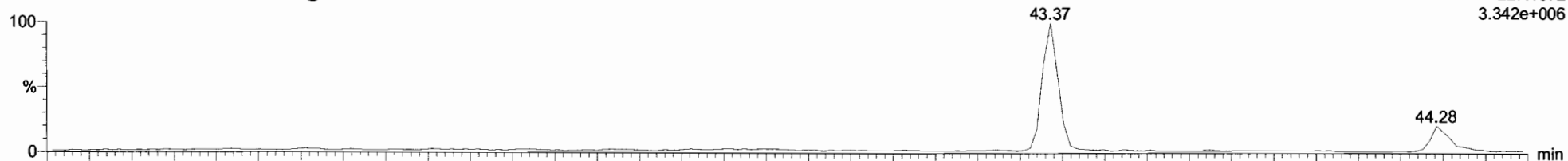
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

4,4'-Methoxychlor

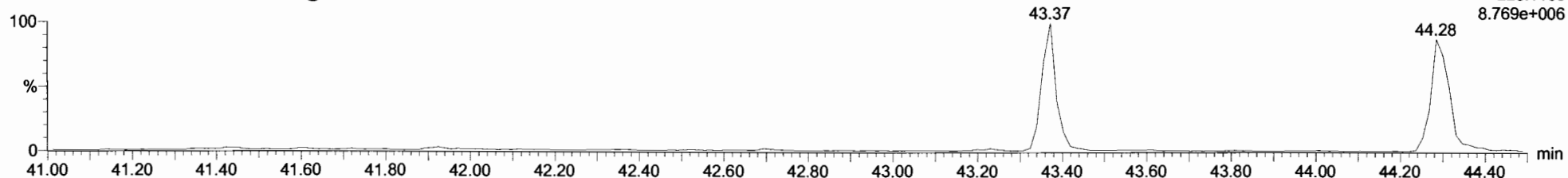
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
227.1072
3.342e+006



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

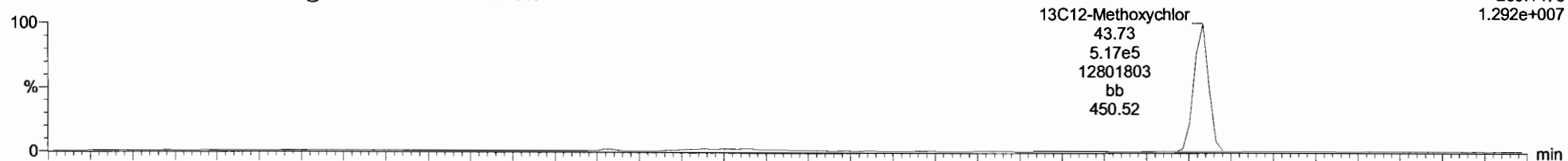
F5:Voltage SIR,EI+
228.1106
8.769e+006



13C12-Methoxychlor

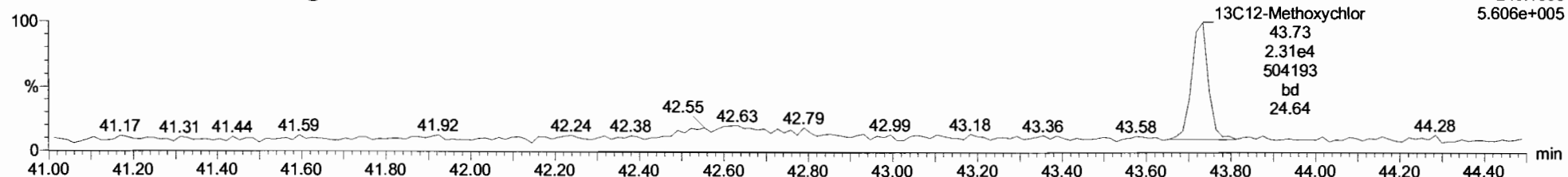
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
239.1475
1.292e+007



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
240.1508
5.606e+005



Dataset: Untitled

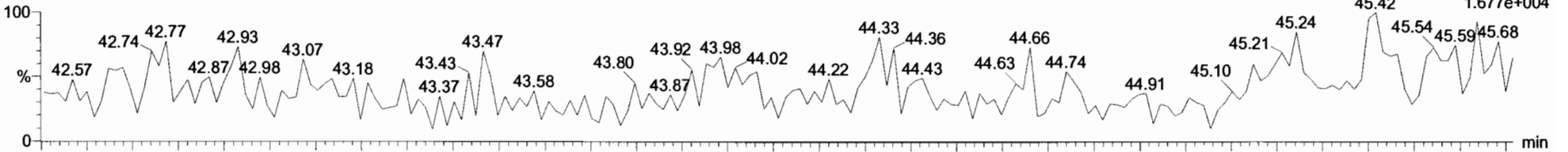
Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Mirex

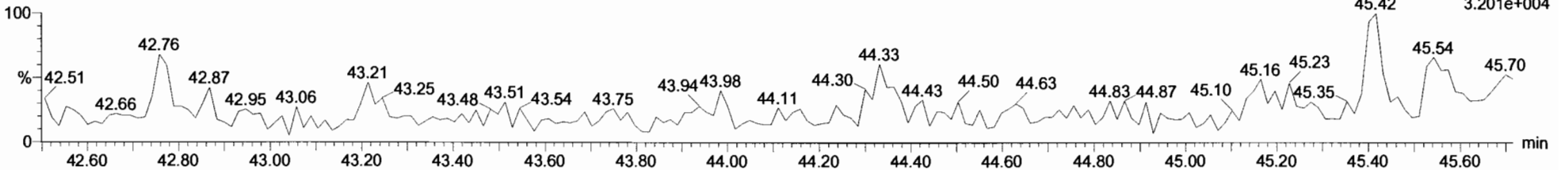
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
236.8413
1.677e+004



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

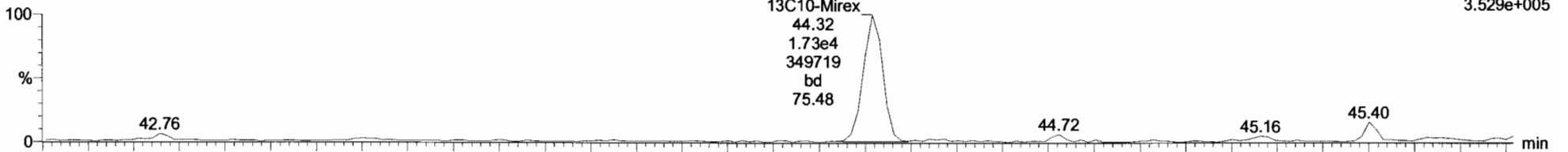
F5:Voltage SIR,EI+
238.8384
3.201e+004



13C10-Mirex

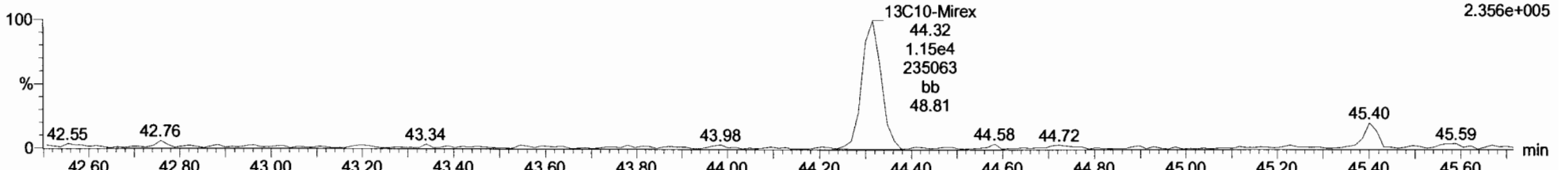
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
241.8581
3.529e+005



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
243.8551
2.356e+005



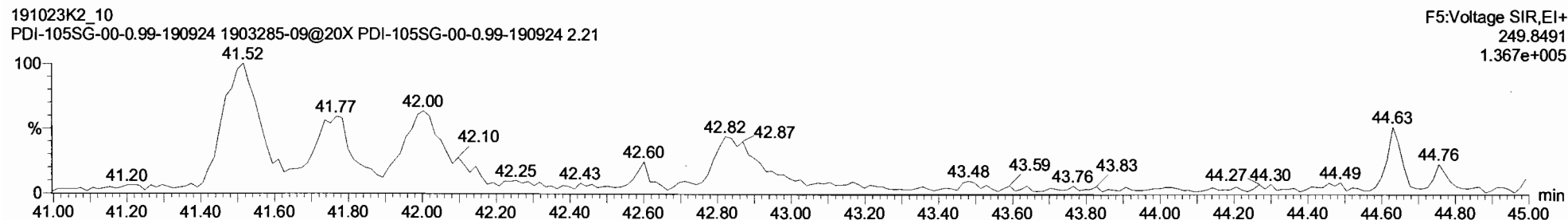
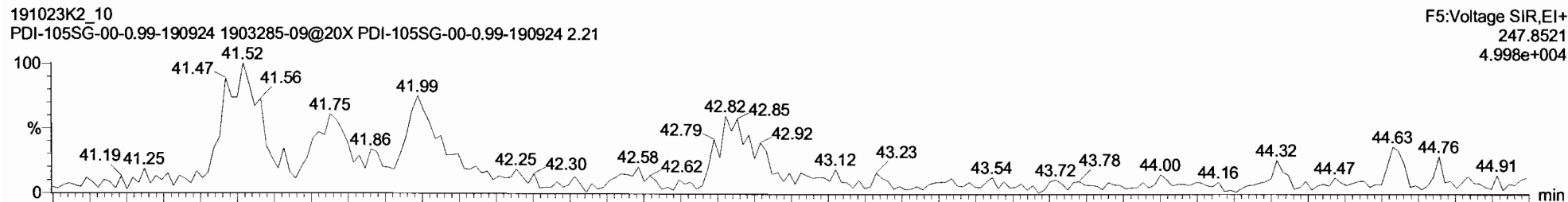
Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

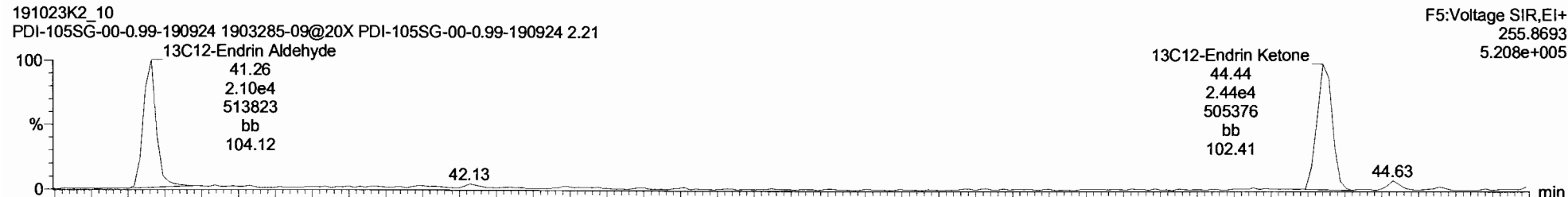
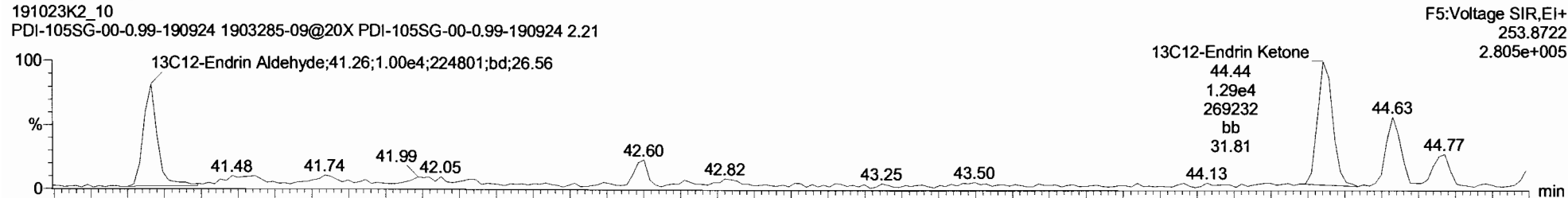
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

EA-EK



EA-EK-isotopes



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

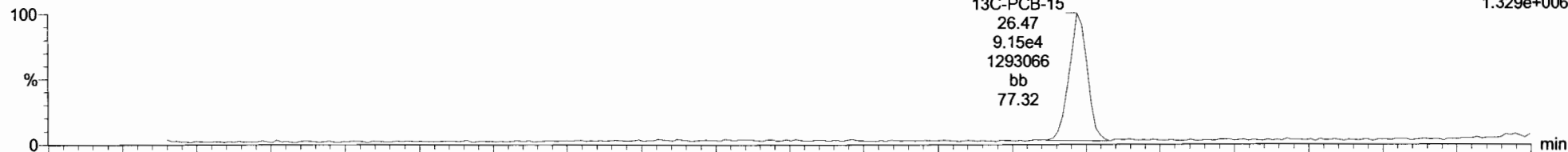
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

13C-PCB-15

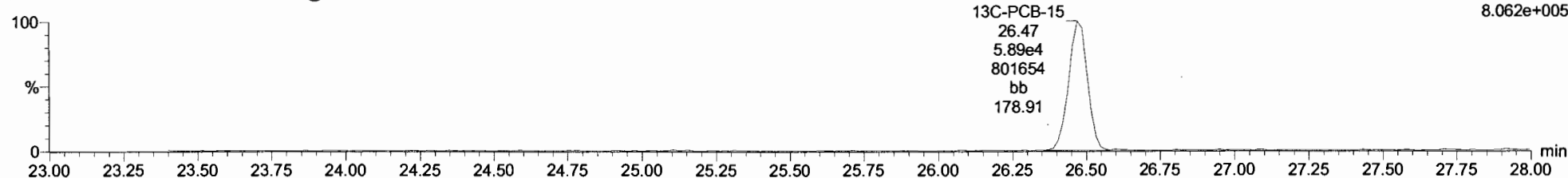
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F2:Voltage SIR,EI+
234.0406
1.329e+006



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

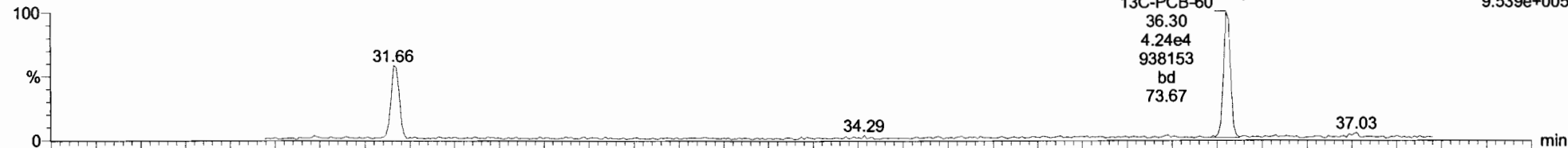
F2:Voltage SIR,EI+
236.0376
8.062e+005



13C-PCB-60

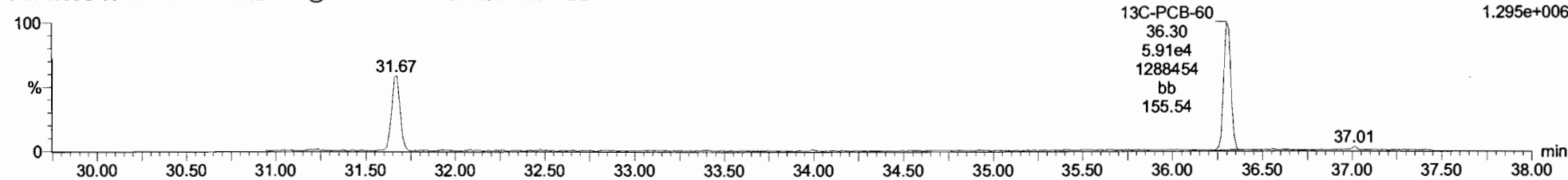
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
301.9626
9.539e+005



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
303.9597
1.295e+006



Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

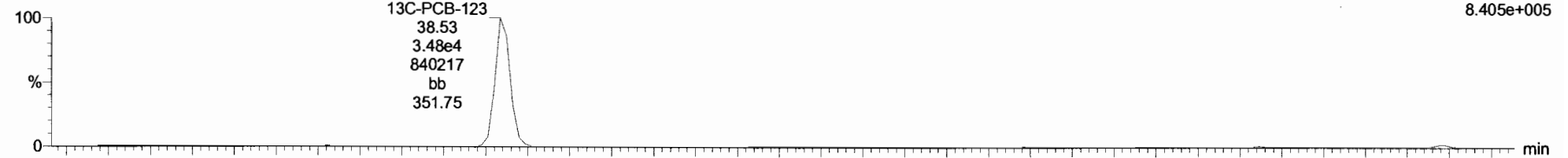
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

13C-PCB-123

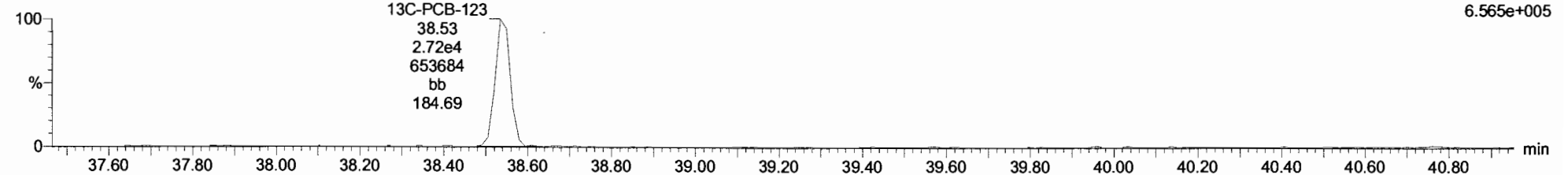
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
337.9210
8.405e+005



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

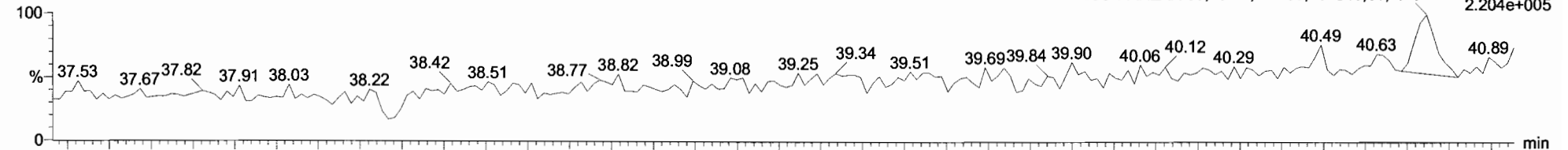
F4:Voltage SIR,EI+
339.9180
6.565e+005



13C-PARLAR 39

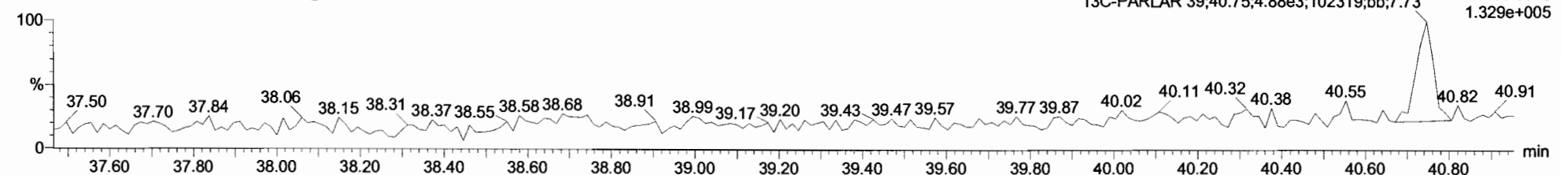
191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
251.9648
2.204e+005
13C-PARLAR 39;40.75;5.91e3;101540;bb;4.16



191023K2_10
PDI-105SG-00-0.99-190924 1903285-09@20X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
253.9619
1.329e+005
13C-PARLAR 39;40.75;4.88e3;102319;bb;7.73



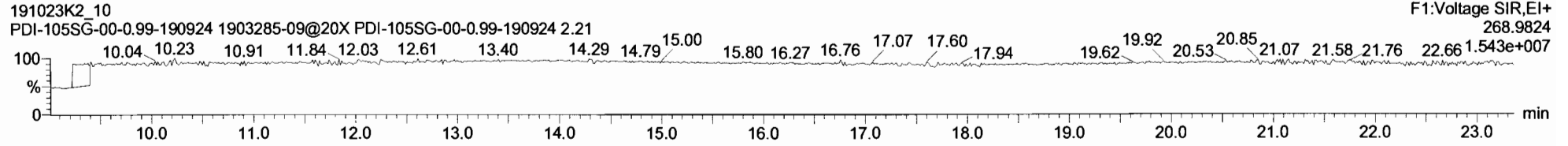
Dataset: Untitled

Last Altered: Friday, October 25, 2019 14:59:28 Pacific Daylight Time

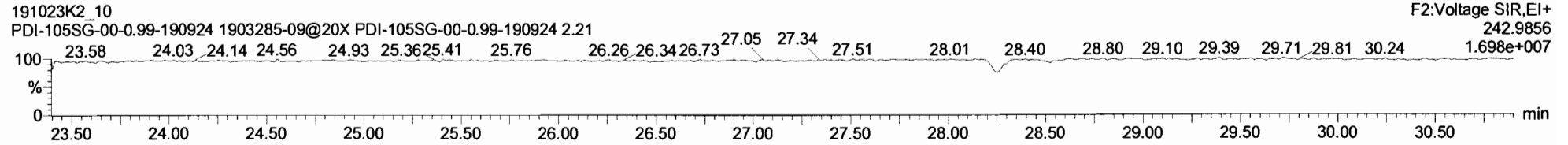
Printed: Friday, October 25, 2019 14:59:32 Pacific Daylight Time

Name: 191023K2_10, Date: 23-Oct-2019, Time: 23:42:06, ID: 1903285-09@20X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

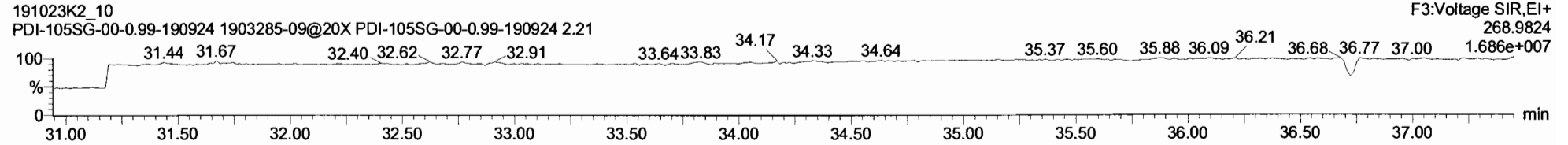
PFK1



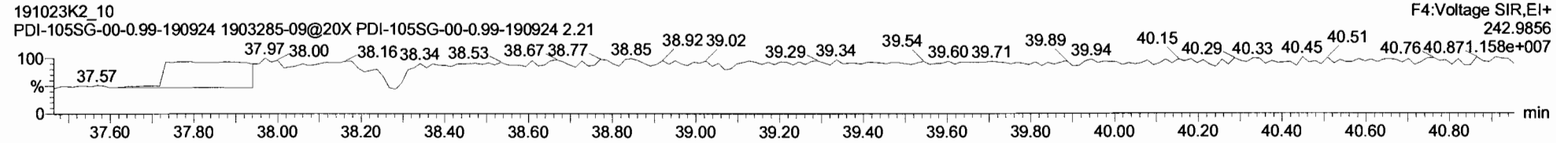
PFK2



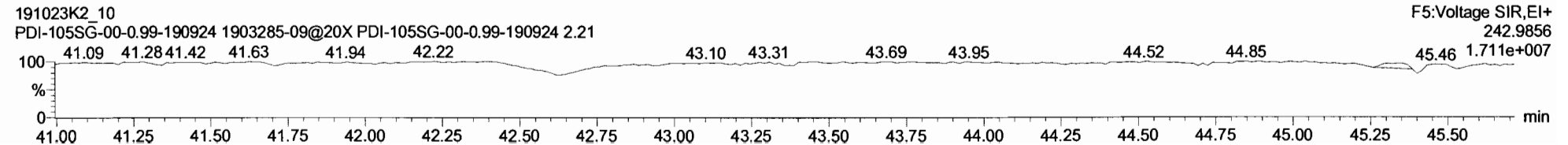
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191025K1\191025K1-6.qld

Last Altered: Friday, October 25, 2019 14:24:58 Pacific Daylight Time

Printed: Friday, October 25, 2019 15:10:50 Pacific Daylight Time

GRB 10/25/19

HC 10-30-19 C-10/30/19

Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	13 trans-Chlordane (gam...	2.07e4	1.78e4	1.57	NO	0.980	1.062	35.52	35.51	1.000	1.001	NO	1120		134	1120
2	43 13C10-trans-Chlordan...	1.78e4	4.49e5	1.68	NO	0.0525	1.062	35.49	35.50	1.341	1.341	NO	710	75.5	78.8	
3	62 13C-PCB-15	4.49e5	4.49e5	1.51	NO	1.00	1.062	26.48	26.47	1.000	1.000	NO	941	100	20.1	

Dataset: Untitled

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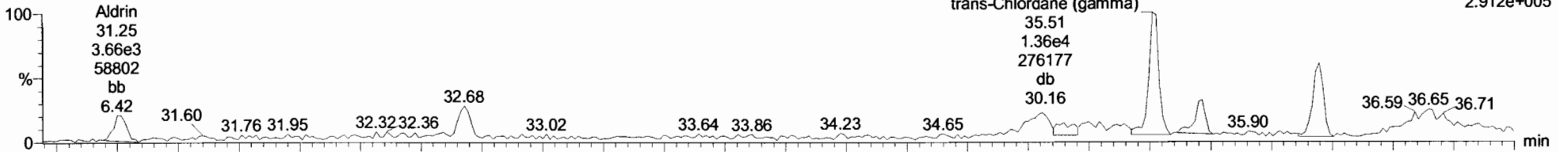
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Aldrin-EI

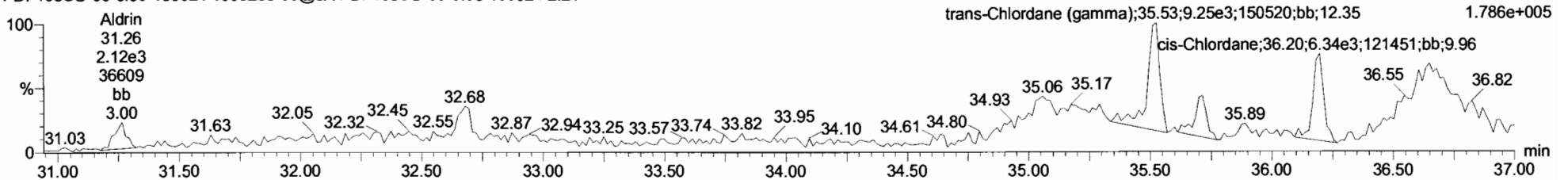
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
262.8569
2.912e+005



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

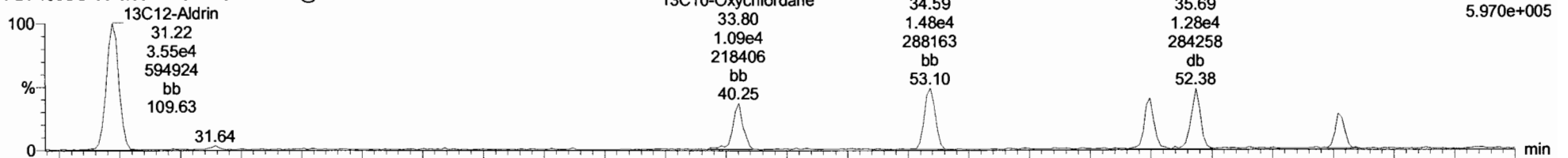
F3:Voltage SIR,EI+
264.8550
1.786e+005



Aldrin-EI-isotopes

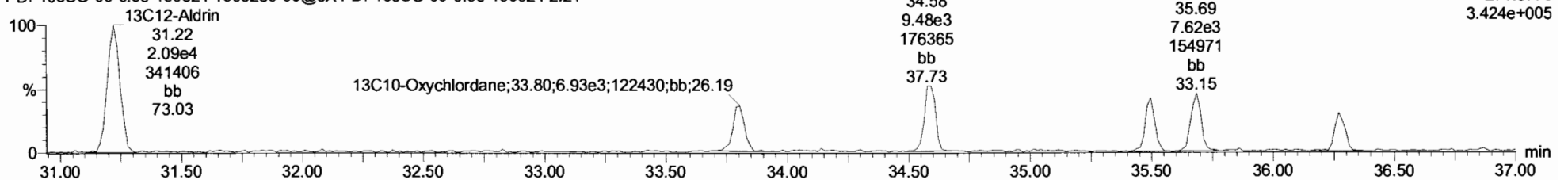
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

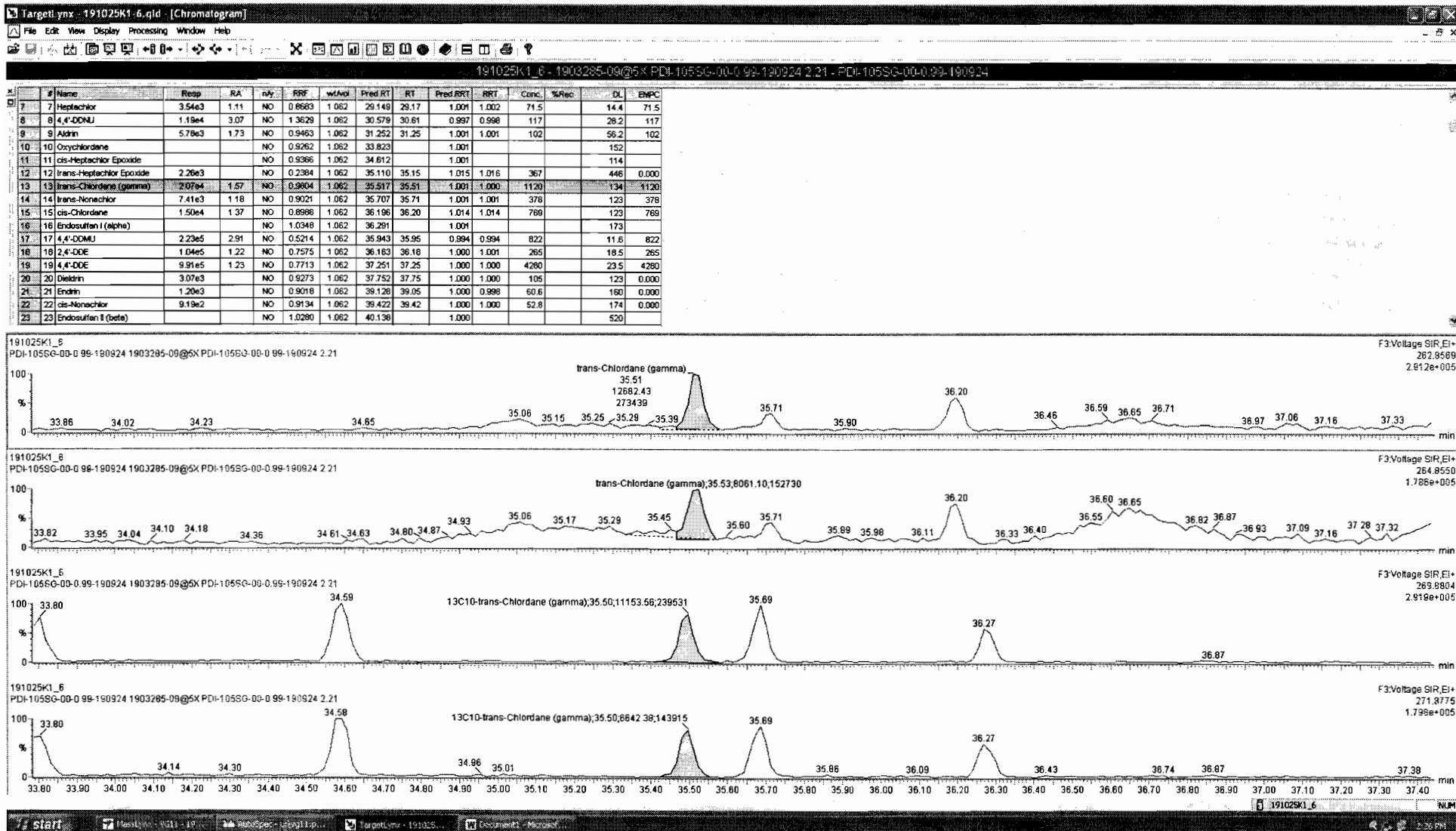
F3:Voltage SIR,EI+
269.8804
5.970e+005



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
271.8775
3.424e+005





Dataset: Untitled

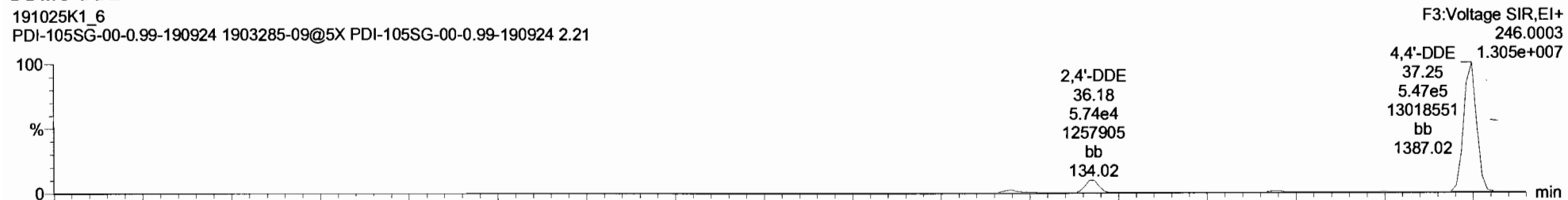
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Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

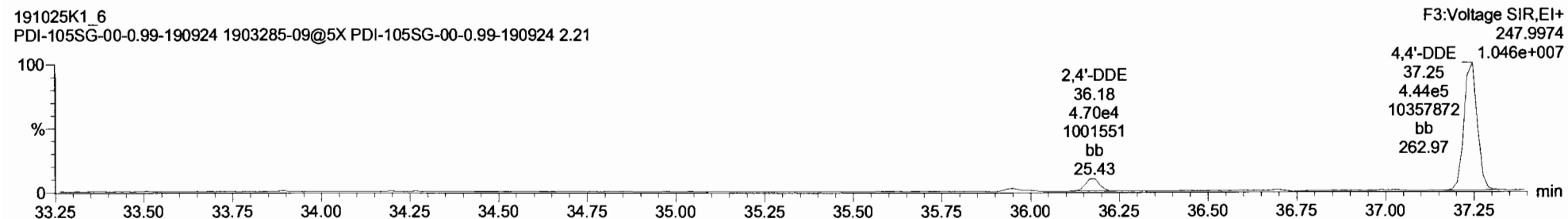
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DDMU-DDE

191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

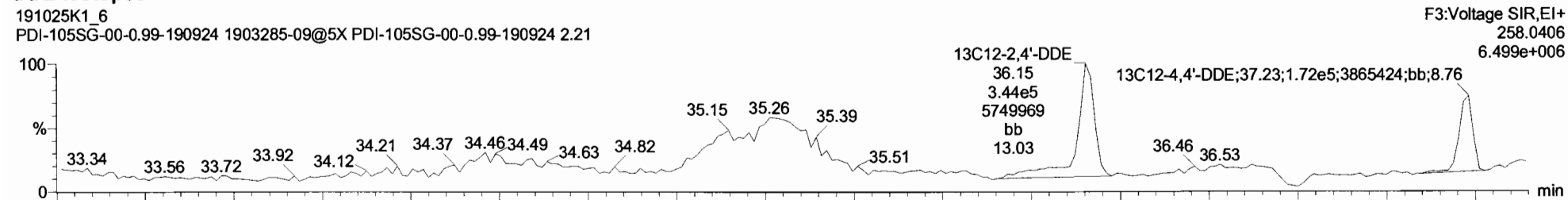


191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

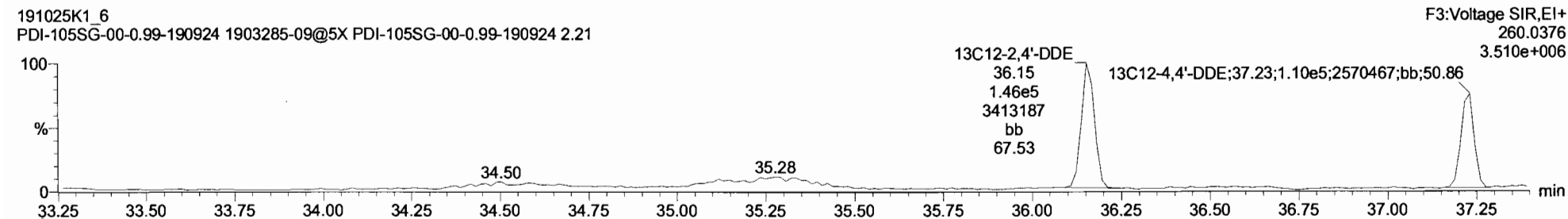


DDE-isotopes

191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

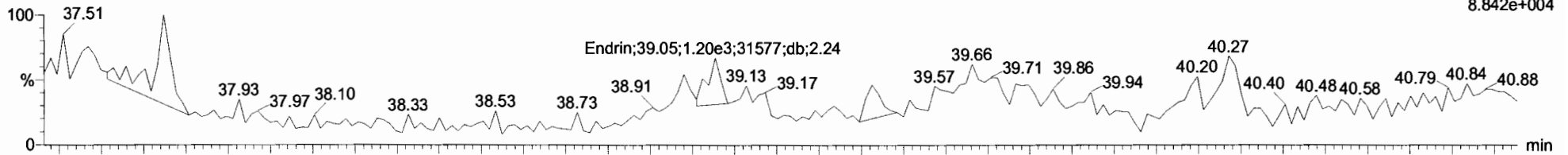
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Dieldrin-EII

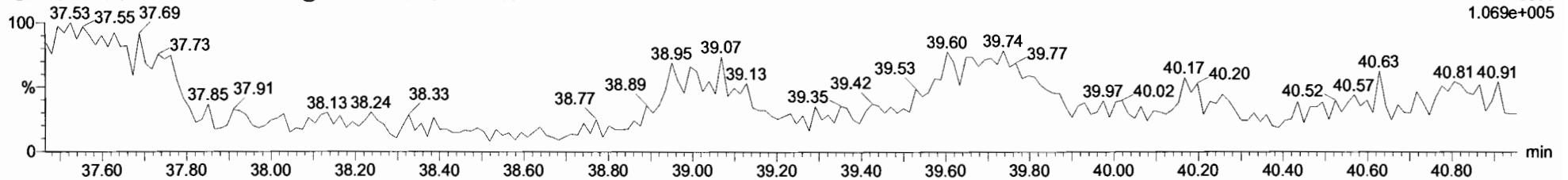
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
262.8569
8.842e+004



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

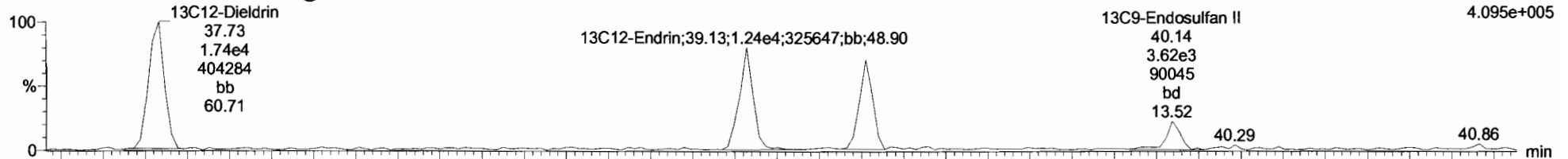
F4:Voltage SIR,EI+
264.8550
1.069e+005



Dieldrin-EII-isotopes

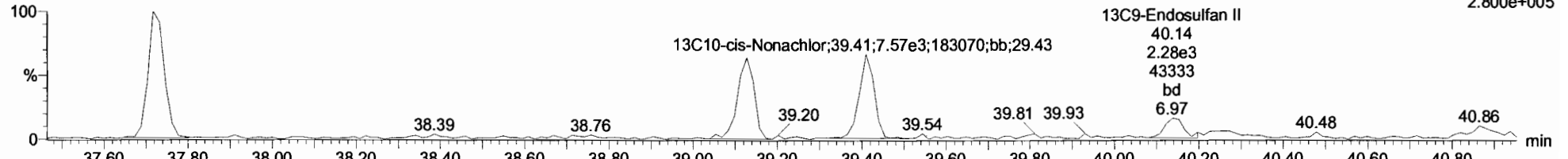
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
269.8804
4.095e+005



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
271.8775
2.800e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

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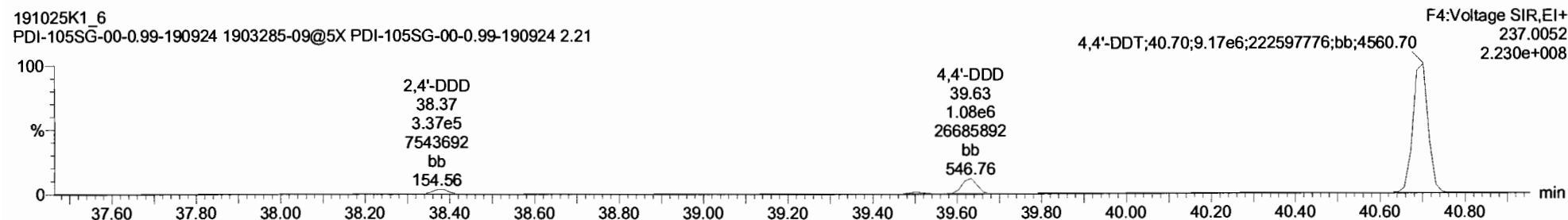
Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

DDD-DDT

191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

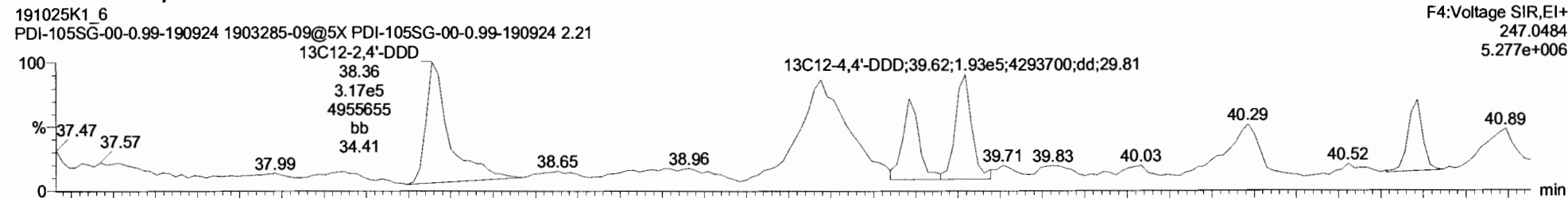


191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

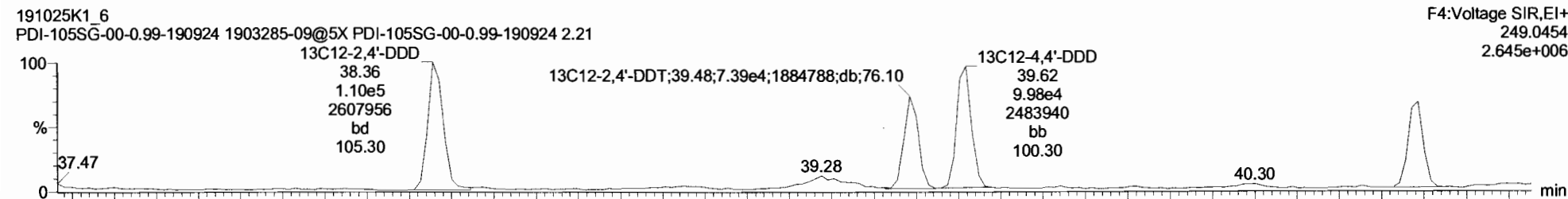


DDD-DDT-isotopes

191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

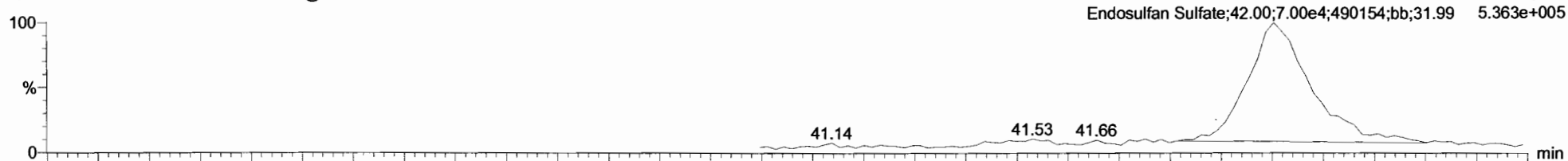
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Endosulfan Sulfate

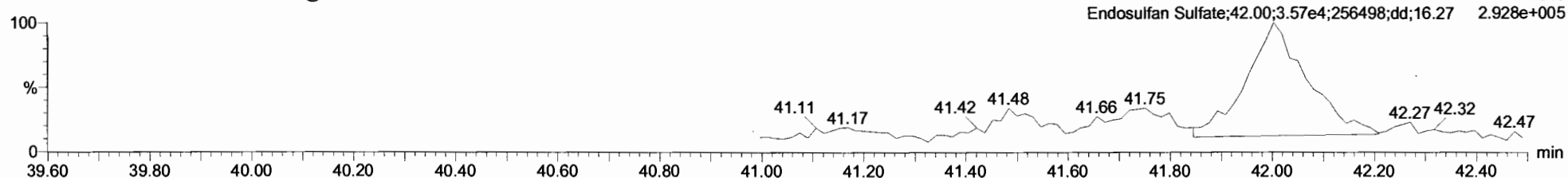
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
262.8569



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

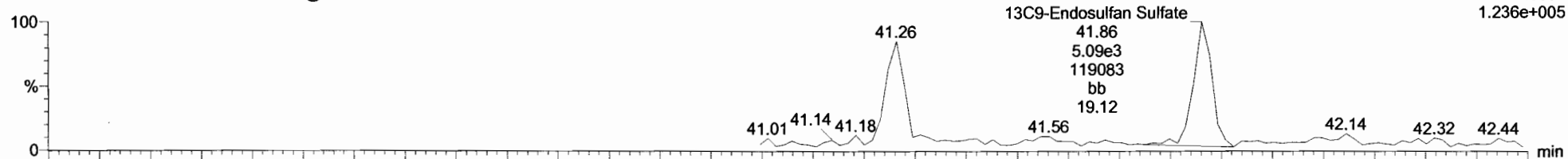
F5:Voltage SIR,EI+
264.8540



13C9-Endosulfan Sulfate

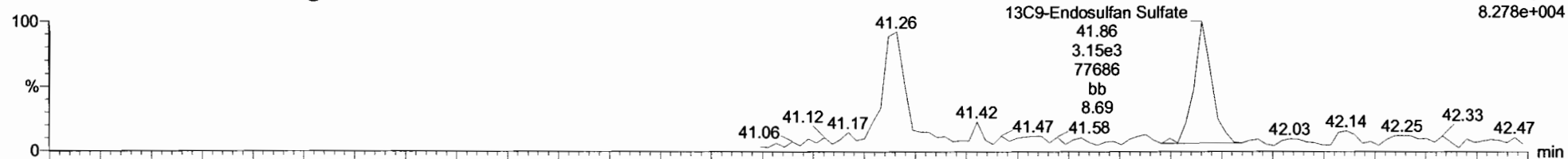
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
269.8804
1.236e+005



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
271.8775
8.278e+004



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

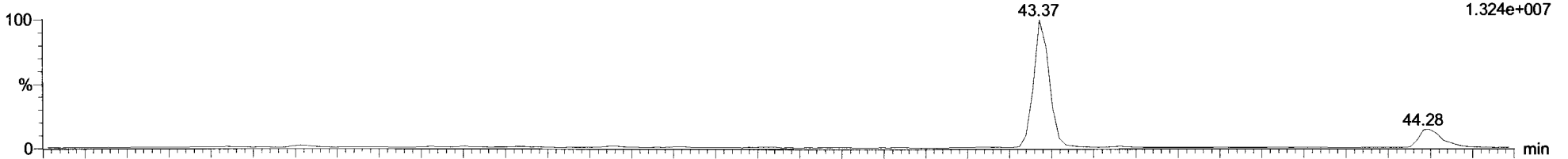
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

4,4'-Methoxychlor

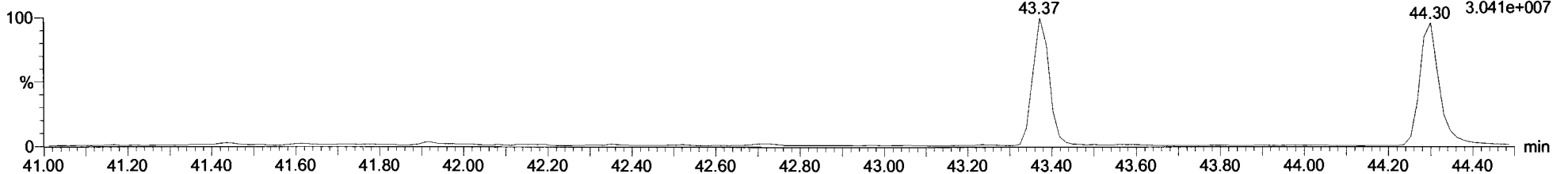
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
227.1072
1.324e+007



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

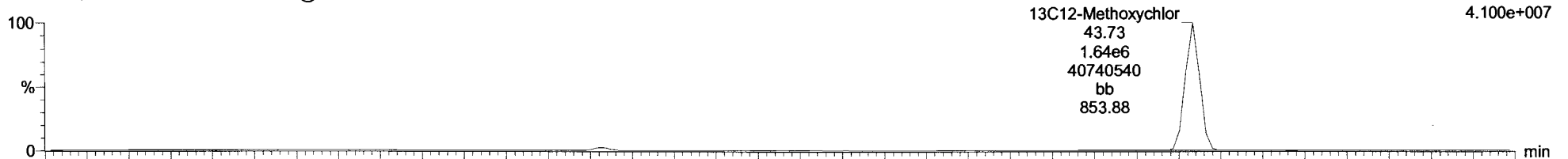
F5:Voltage SIR,EI+
228.1106
3.041e+007



13C12-Methoxychlor

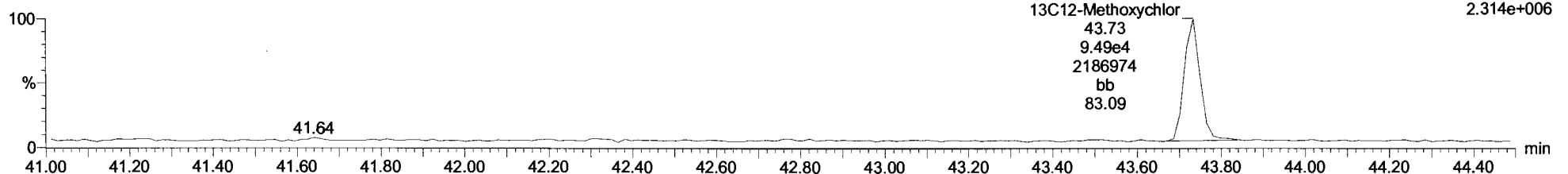
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
239.1475
4.100e+007



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
240.1508
2.314e+006



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

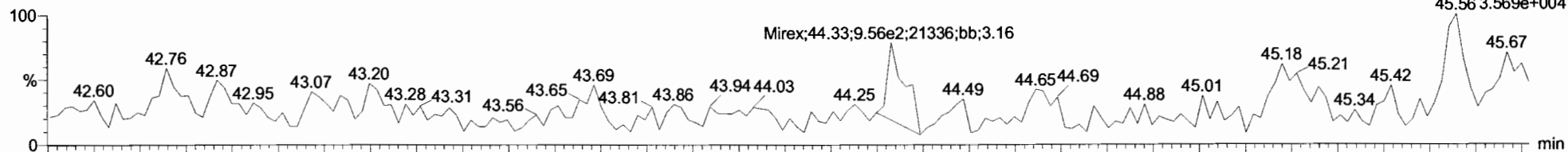
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

Mirex

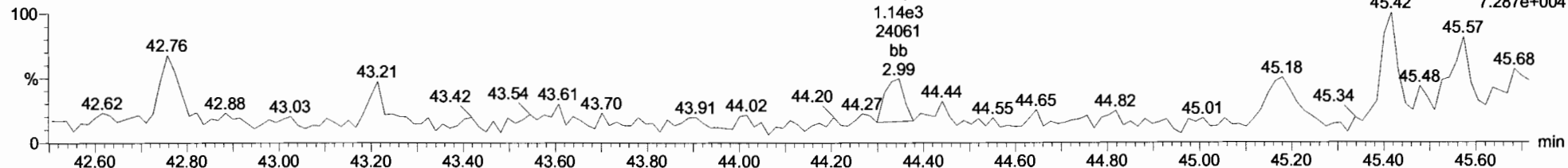
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
236.8413
45.56 3.569e+004



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

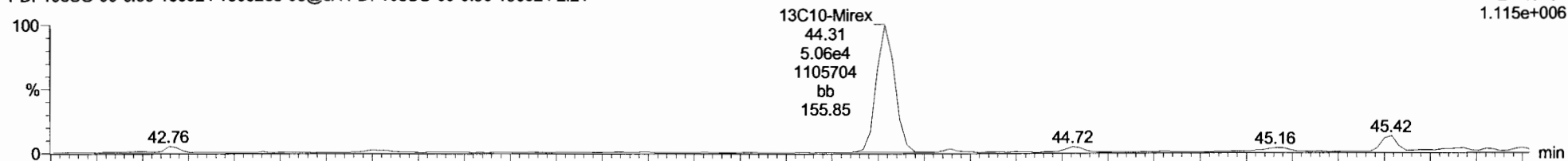
F5:Voltage SIR,EI+
238.8384
7.287e+004



13C10-Mirex

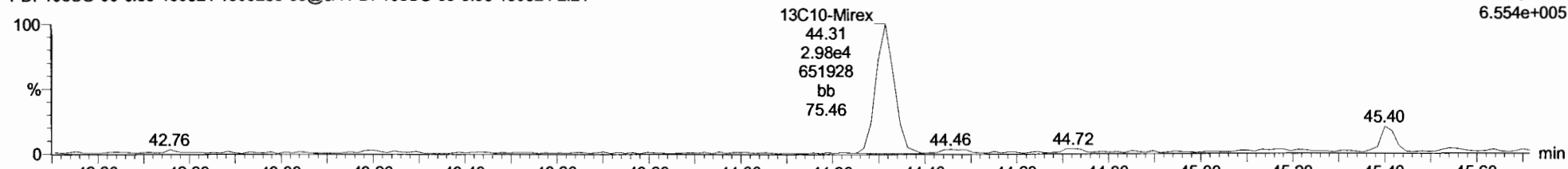
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
241.8581
1.115e+006



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
243.8551
6.554e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

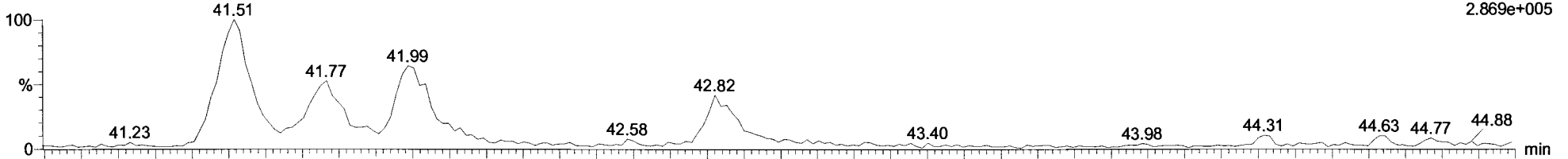
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

EA-EK

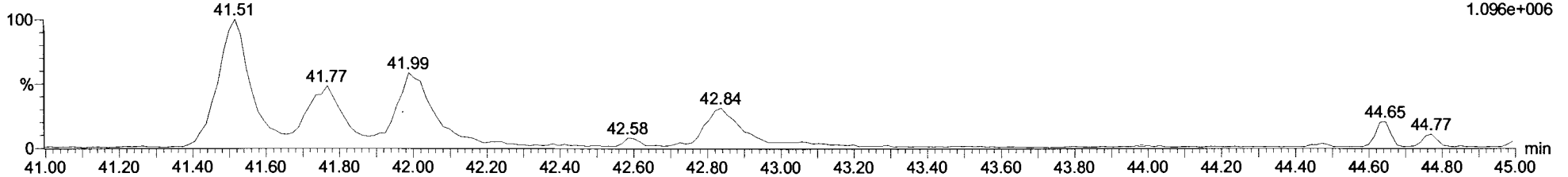
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
247.8521
2.869e+005



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

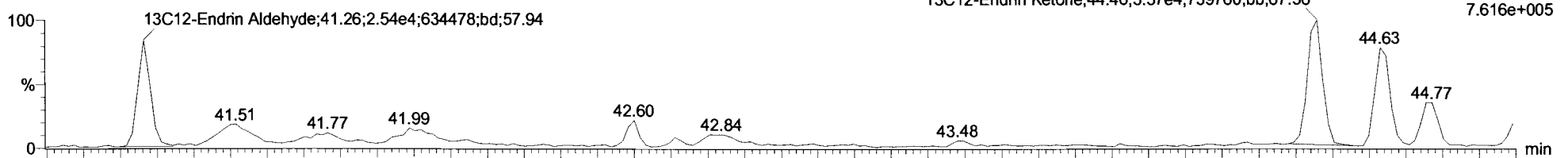
F5:Voltage SIR,EI+
249.8491
1.096e+006



EA-EK-isotopes

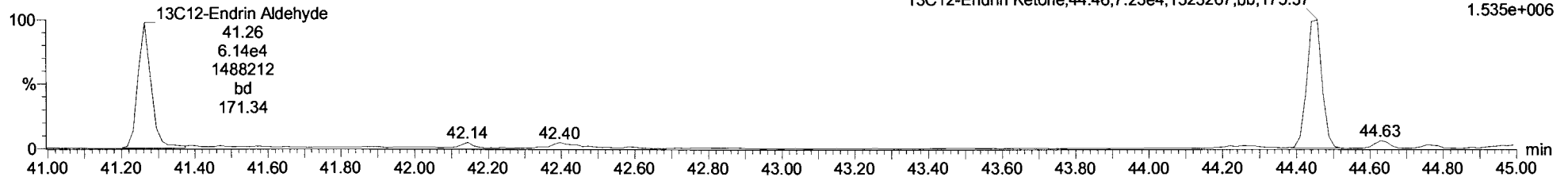
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
253.8722
7.616e+005
13C12-Endrin Ketone;44.46;3.57e4;739760;bb;67.56



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F5:Voltage SIR,EI+
255.8693
1.535e+006
13C12-Endrin Ketone;44.46;7.23e4;1523267;bb;175.37



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

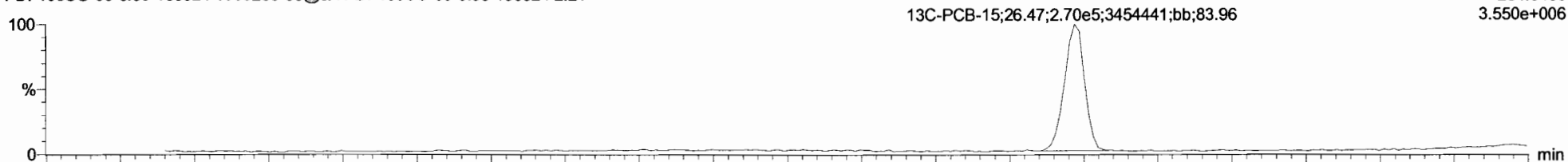
Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

13C-PCB-15

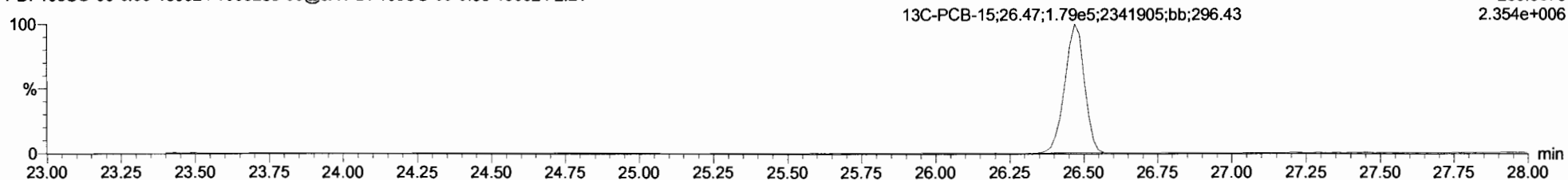
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F2:Voltage SIR,EI+
234.0406
3.550e+006



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

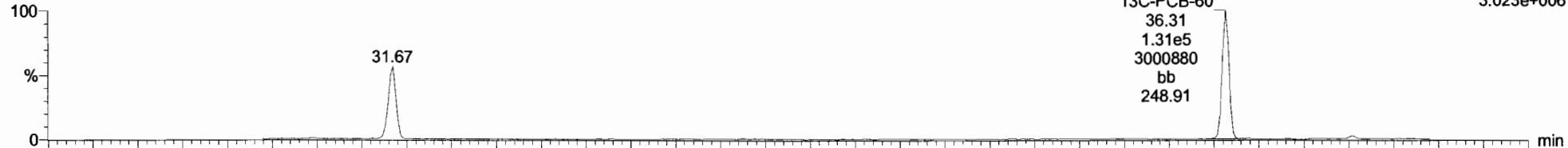
F2:Voltage SIR,EI+
236.0376
2.354e+006



13C-PCB-60

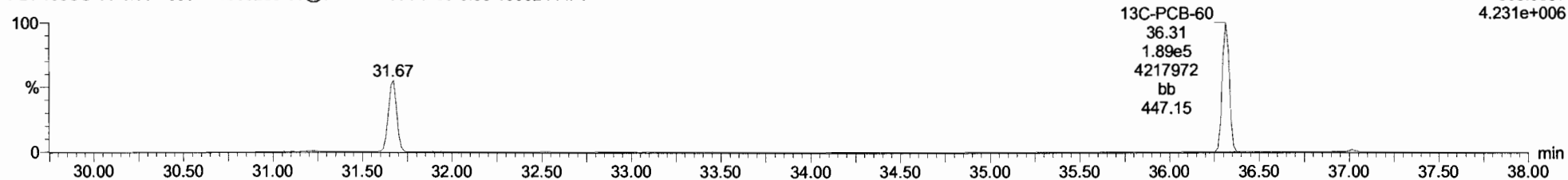
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
301.9626
3.023e+006



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F3:Voltage SIR,EI+
303.9597
4.231e+006



Dataset: Untitled

Last Altered: Friday, October 25, 2019 15:01:35 Pacific Daylight Time

Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

13C-PCB-123

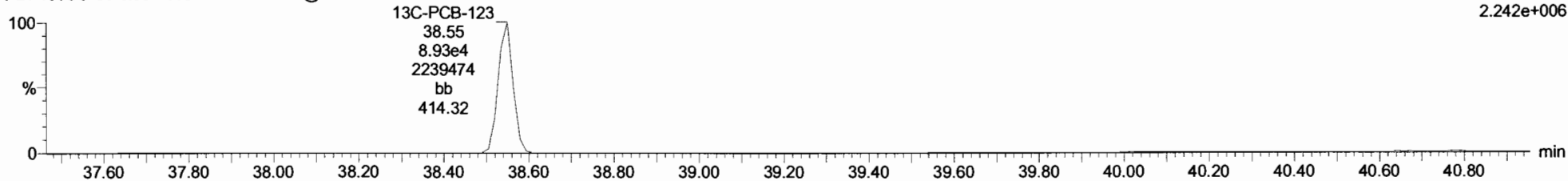
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
337.9210
2.733e+006



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

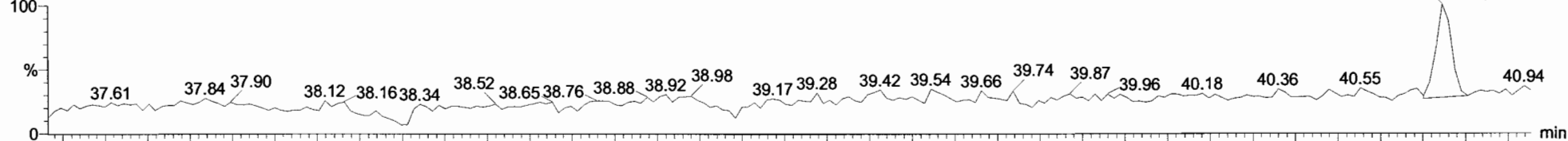
F4:Voltage SIR,EI+
339.9180
2.242e+006



13C-PARLAR 39

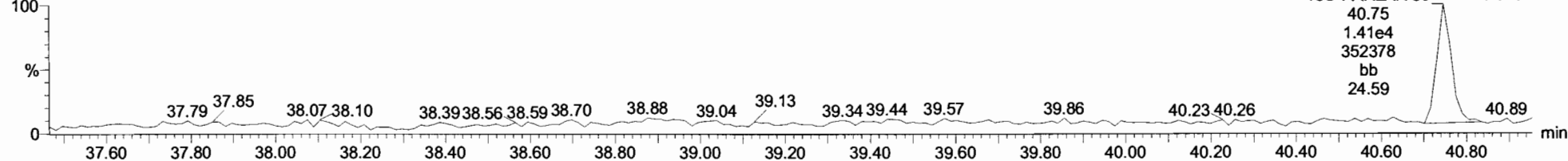
191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
251.9648
3.718e+005
13C-PARLAR 39;40.75;1.15e4;269821;db;12.06



191025K1_6
PDI-105SG-00-0.99-190924 1903285-09@5X PDI-105SG-00-0.99-190924 2.21

F4:Voltage SIR,EI+
253.9619
3.808e+005
13C-PARLAR 39
40.75
1.41e4
352378
bb
24.59

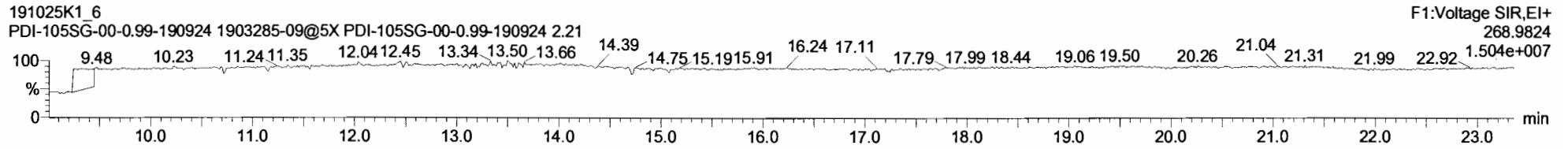


Dataset: Untitled

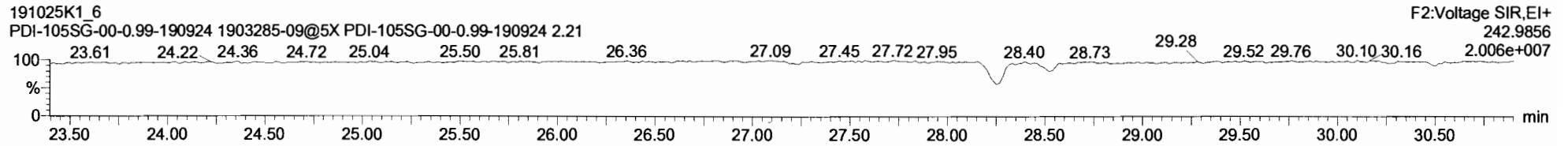
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Printed: Friday, October 25, 2019 15:02:11 Pacific Daylight Time

Name: 191025K1_6, Date: 25-Oct-2019, Time: 13:30:13, ID: 1903285-09@5X PDI-105SG-00-0.99-190924 2.21, Description: PDI-105SG-00-0.99-190924

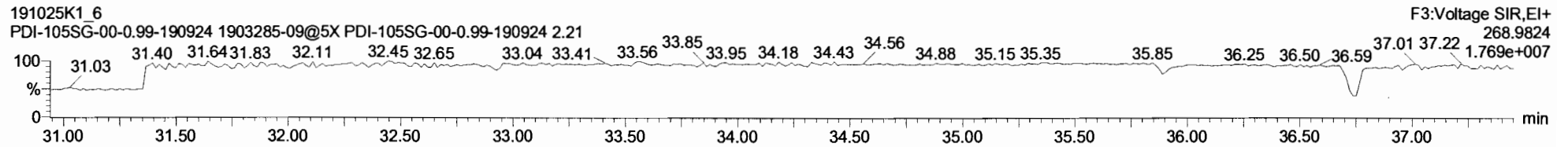
PFK1



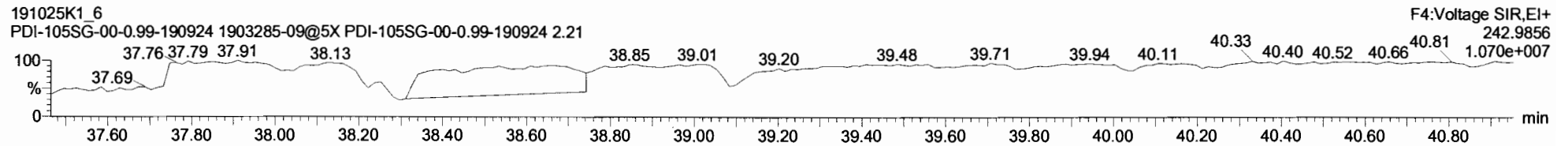
PFK2



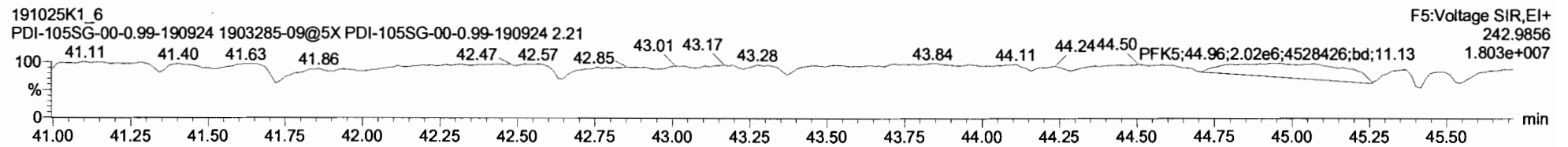
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191023K3\191023K3-9.qld

Last Altered: Thursday, October 24, 2019 14:21:29 Pacific Daylight Time

Printed: Thursday, October 24, 2019 14:23:00 Pacific Daylight Time

HL 10-24-19 CT 10/30/19

Method: Untitled 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_9, Date: 24-Oct-2019, Time: 12:09:45, ID: 1903285-10PDI-106SG-00-01-190924 2.77, Description: PDI-106SG-00-01-190924

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2 Hexachlorobenzene	5.30e5	1.62e6	1.17	NO	0.840	1.025	23.14	23.13	1.001	1.001	NO	381		0.242	381
2	3 Alpha-BHC	2.55e3	6.35e5	1.32	YES	0.751	1.025	23.69	23.69	1.002	1.002	NO	521		2.84	4.38
3	4 Lindane (gamma-BHC)	2.11e3	5.11e5	1.67	NO	0.717	1.025	27.01	27.01	1.001	1.001	NO	5.63		4.19	5.63
4	5 Beta-BHC		3.67e5		NO	0.870	1.025	29.02			1.000	NO			3.75	
5	6 Delta-BHC		3.95e5		NO	0.817	1.025	30.70			1.001	NO			3.45	
6	7 Heptachlor		3.27e5		NO	0.868	1.025	29.17			1.001	YES			3.47	
7	9 Aldrin	4.38e4	3.16e5	1.66	NO	0.946	1.025	31.25	31.25	1.001	1.001	NO	143		9.51	143
8	10 Oxychlorane		7.28e4		NO	0.926	1.025	33.82			1.001	YES			38.1	
9	11 cis-Heptachlor Epoxide		9.69e4		NO	0.937	1.025	34.61			1.001	YES			25.1	
10	12 trans-Heptachlor Epox...		9.69e4		NO	0.238	1.025	35.11			1.015	NO			98.8	
11	13 trans-Chlordane (gam...	2.21e4	6.63e4	1.44	NO	0.980	1.025	35.52	35.53	1.001	1.001	NO	332		34.1	332
12	14 trans-Nonachlor	1.55e4	7.80e4	1.57	NO	0.902	1.025	35.71	35.72	1.001	1.001	NO	215		30.2	215
13	15 cis-Chlordane	1.68e4	7.80e4	1.41	NO	0.899	1.025	36.20	36.20	1.014	1.014	NO	233		30.3	233
14	16 Endosulfan I (alpha)		5.05e4		NO	1.03	1.025	36.31			1.001	YES			45.0	
15	18 2,4'-DDE	6.67e5	1.65e6	1.25	NO	0.758	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
16	19 4,4'-DDE	4.96e6	9.86e5	1.25	NO	0.771	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
17	20 Dieldrin	1.60e4	1.34e5	1.19	NO	0.927	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
18	21 Endrin		3.75e4		NO	0.902	1.025	39.13			1.000	NO			110	
19	22 cis-Nonachlor	5.80e3	6.90e4	1.72	NO	0.913	1.025	39.42	39.42	1.000	1.000	NO	89.8		48.4	89.8
20	23 Endosulfan II (beta)		2.02e4		NO	1.03	1.025	40.14			1.000	YES			144	
21	24 2,4'-DDD	6.99e6	1.24e6	1.55	NO	0.890	1.025	38.37	38.39	1.000	1.000	NO	6200		6.66	6200
22	25 2,4'-DDT	1.14e5	8.42e5	1.55	NO	0.865	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
23	26 4,4'-DDD	2.01e7	1.14e6	1.54	NO	0.971	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
24	27 4,4'-DDT	1.32e6	6.58e5	1.55	NO	0.974	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
25	28 Endosulfan Sulfate		2.40e4		NO	0.896	1.025	41.86			1.000	NO			144	
26	29 4,4'-Methoxychlor		6.73e6		NO	1.10	1.025	43.74			1.000	NO			36.9	
27	30 Mirex	5.56e3	2.54e5	0.52	YES	0.870	1.025	44.35	44.35	1.000	1.000	NO	245		12.2	13.7
28	31 Endrin Aldehyde		3.87e5		NO	0.962	1.025	41.28			1.000	YES			61.9	
29	32 Endrin Ketone		4.14e5		NO	0.867	1.025	44.46			1.000	YES			71.2	
30	34 13C6-Hexachlorobenz...	1.62e6	2.88e6	1.27	NO	0.710	1.025	23.11	23.11	0.873	0.873	NO	769	78.9	0.240	
31	35 13C6-Alpha-BHC	1.635e5	2.88e6	0.81	NO	0.255	1.025	23.66	23.64	0.893	0.893	NO	842	86.3	0.403	

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-9.qld

Last Altered: Thursday, October 24, 2019 14:21:29 Pacific Daylight Time

Printed: Thursday, October 24, 2019 14:23:00 Pacific Daylight Time

Name: 191023K3_9, Date: 24-Oct-2019, Time: 12:09:45, ID: 1903285-10PDI-106SG-00-01-190924 2.77, Description: PDI-106SG-00-01-190924

	#-Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	5.11e5	2.88e6	0.84	NO	0.216	1.025	26.99	26.98	1.019	1.019	NO	802	82.2	5.25	
33	37 13C6-Beta-BHC	3.67e5	2.88e6	0.79	NO	0.162	1.025	29.01	29.01	1.095	1.095	NO	766	78.5	6.97	
34	38 13C6-Delta-BHC	3.95e5	2.88e6	0.80	NO	0.185	1.025	30.69	30.68	1.158	1.159	NO	724	74.2	6.12	
35	39 13C10-Heptachlor	3.27e5	2.88e6	1.29	NO	0.178	1.025	29.15	29.14	1.100	1.100	NO	623	63.8	2.82	
36	40 13C12-Aldrin	3.16e5	2.88e6	1.63	NO	0.186	1.025	31.25	31.22	1.179	1.180	NO	575	58.9	4.57	
37	41 13C10-Oxychlorane	7.28e4	2.88e6	1.61	NO	0.0499	1.025	33.83	33.80	1.276	1.277	NO	494	50.7	17.1	
38	42 13C10-cis-Heptachlor ...	9.69e4	2.88e6	1.60	NO	0.0657	1.025	34.62	34.59	1.306	1.307	NO	499	51.1	12.9	
39	43 13C10-trans-Chlordan...	6.63e4	2.88e6	1.56	NO	0.0525	1.025	35.52	35.50	1.340	1.341	NO	427	43.8	16.2	
40	44 13C10-trans-Nonachlor	7.80e4	2.88e6	1.60	NO	0.0587	1.025	35.70	35.69	1.347	1.348	NO	449	46.1	14.5	
41	45 13C9-Endosulfan I (al...	5.05e4	2.88e6	1.53	NO	0.0343	1.025	36.29	36.28	1.370	1.370	NO	498	51.1	24.8	
42	46 13C12-2,4'-DDE	1.65e6	2.88e6	1.60	NO	1.01	1.025	36.19	36.17	0.996	0.996	NO	552	56.6	20.1	
43	47 13C12-4,4'-DDE	9.86e5	2.88e6	1.55	NO	0.760	1.025	37.25	37.23	1.025	1.025	NO	439	45.0	26.7	
44	48 13C12-Dieldrin	1.34e5	2.88e6	1.53	NO	0.0797	1.025	37.75	37.73	1.039	1.039	NO	570	58.4	18.4	
45	49 13C12-Endrin	3.75e4	2.88e6	1.55	NO	0.0599	1.025	39.15	39.13	1.077	1.078	NO	212	21.7	24.4	
46	50 13C10-cis-Nonachlor	6.90e4	2.88e6	1.46	NO	0.0486	1.025	39.43	39.41	1.085	1.085	NO	481	49.2	30.1	
47	51 13C9-Endosulfan II	2.02e4	2.88e6	1.34	NO	0.0145	1.025	40.17	40.14	1.105	1.106	NO	470	48.2	101	
48	52 13C12-2,4'-DDD	1.24e6	2.88e6	1.75	NO	0.653	1.025	38.38	38.37	1.449	1.449	NO	640	65.6	38.7	
49	53 13C12-2,4'-DDT	8.42e5	2.88e6	1.90	NO	0.443	1.025	39.49	39.49	1.491	1.491	NO	642	65.8	57.1	
50	54 13C12-4,4'-DDD	1.14e6	2.88e6	1.70	NO	0.550	1.025	39.63	39.62	1.496	1.496	NO	702	71.9	46.0	
51	55 13C12-4,4'-DDT	6.58e5	2.88e6	1.72	NO	0.354	1.025	40.70	40.69	1.536	1.537	NO	628	64.4	71.4	
52	56 13C9-Endosulfan Sulf...	2.40e4	2.88e6	1.54	NO	0.0239	1.025	41.90	41.86	1.152	1.153	NO	339	34.8	73.8	
53	57 13C12-Methoxychlor	6.73e6	2.88e6	13.17	NO	0.362	1.025	43.77	43.73	1.204	1.205	NO	6300	64.5	27.8	
54	58 13C10-Mirex	2.54e5	2.88e6	1.60	NO	0.184	1.025	44.33	44.33	1.220	1.220	NO	469	48.1	7.64	
55	59 13C12-Endrin Aldehyde	3.87e5	2.88e6	0.46	NO	0.0307	1.025	41.30	41.26	1.136	1.137	NO	4270	43.7	38.9	
56	60 13C12-Endrin Ketone	4.14e5	2.88e6	0.50	NO	0.0240	1.025	44.49	44.46	1.224	1.225	NO	5840	59.9	49.8	
57	62 13C-PCB-15	2.88e6	2.88e6	1.49	NO	1.00	1.025	26.48	26.49	1.000	1.000	NO	976	100	3.33	

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-9.qld

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Printed: Thursday, October 24, 2019 13:57:36 Pacific Daylight Time

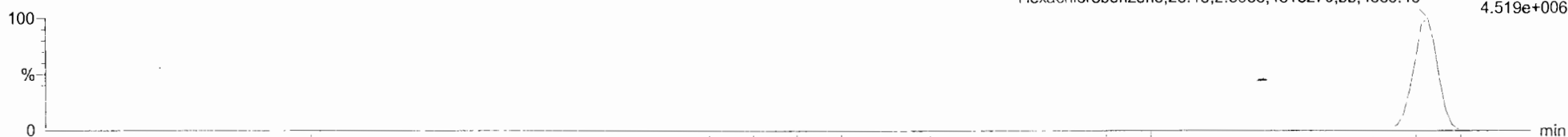
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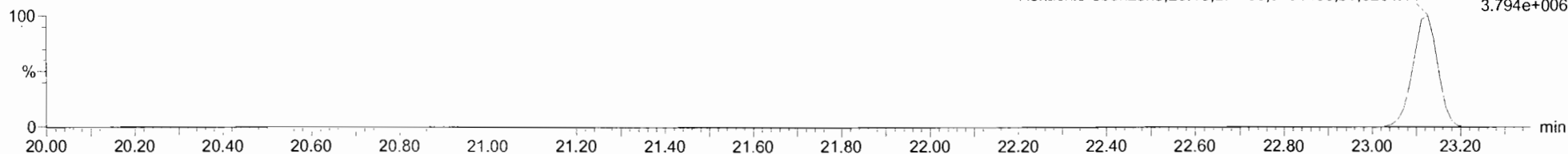
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Hexachlorobenzene

191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

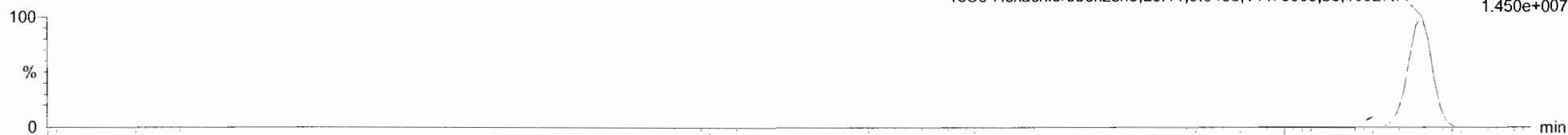


191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

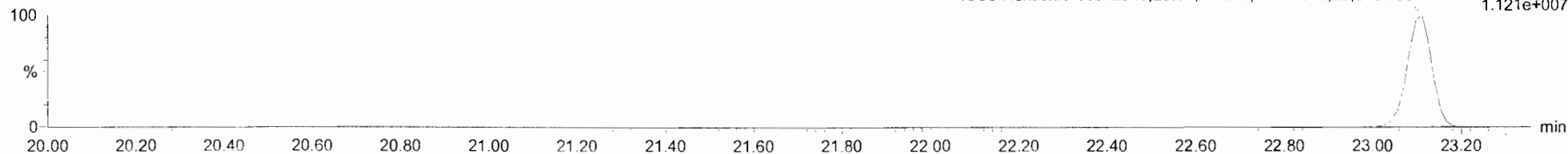


13C6-Hexachlorobenzene

191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77



191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77



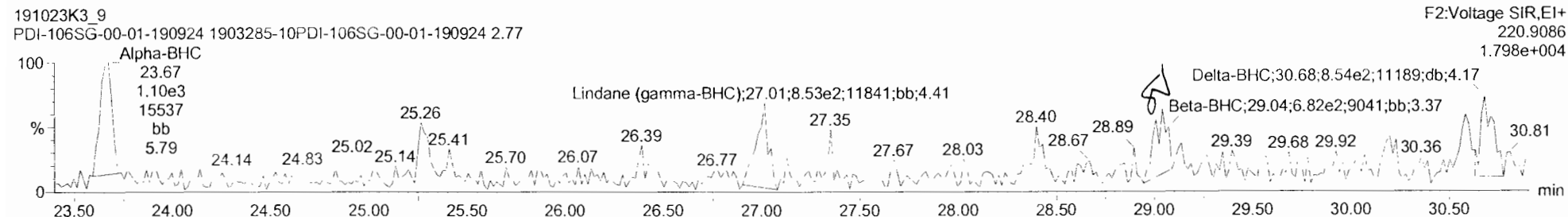
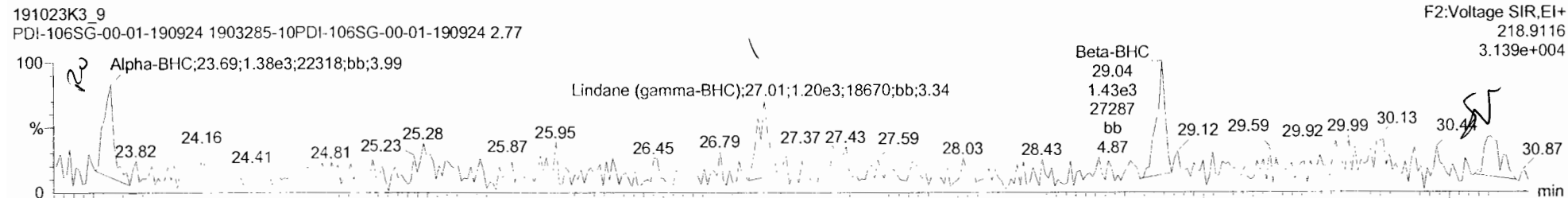
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Last Altered: Thursday, October 24, 2019 13:56:20 Pacific Daylight Time

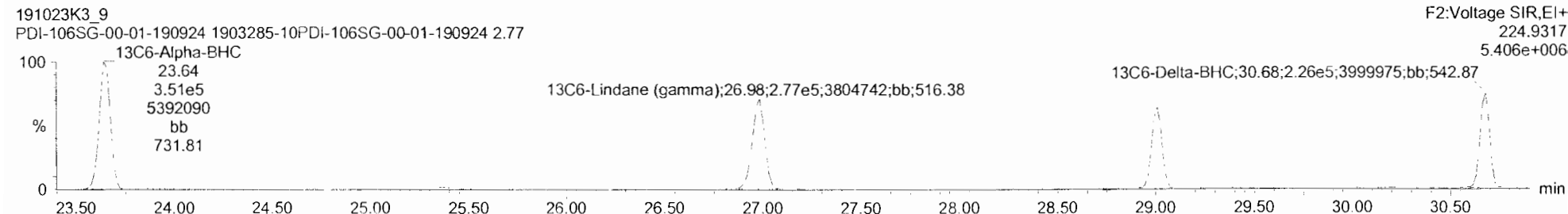
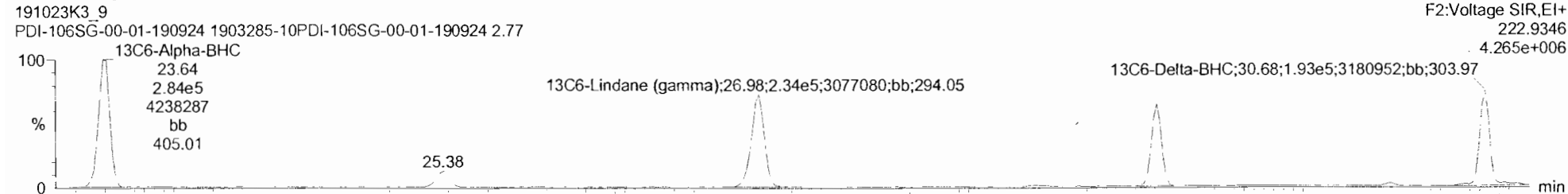
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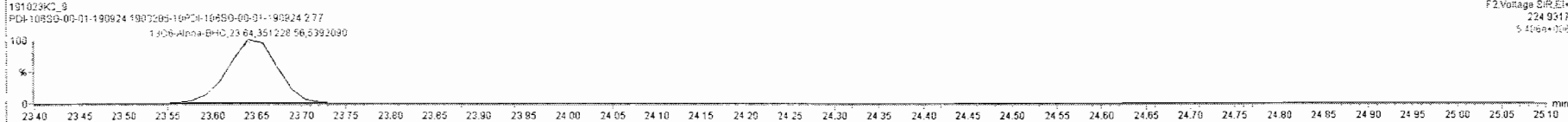
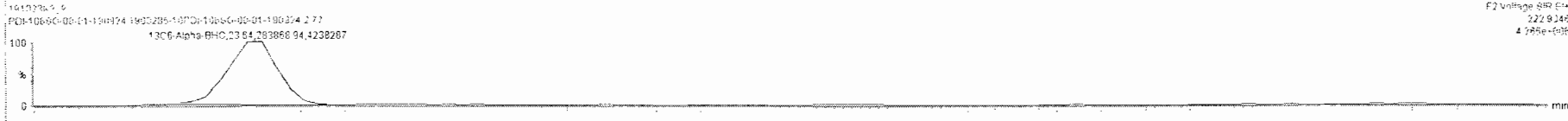
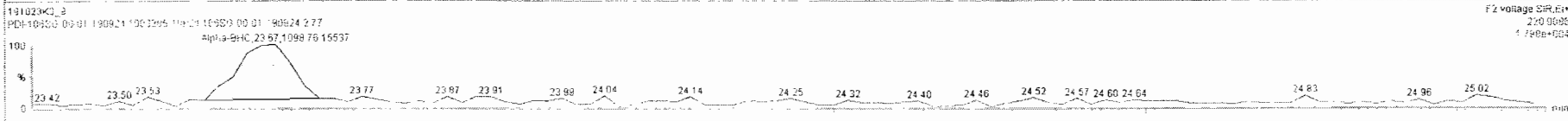
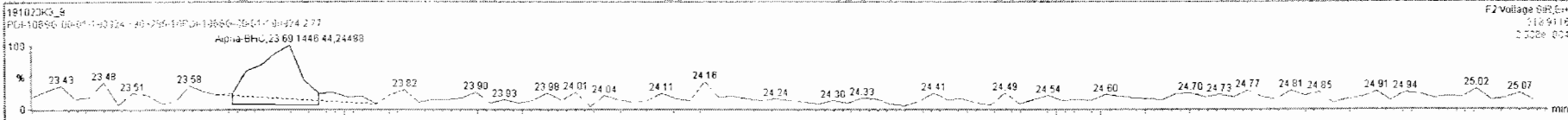
BHC Totals



BHC-isotopes

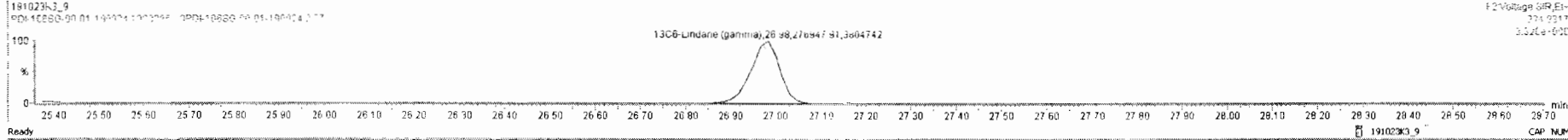
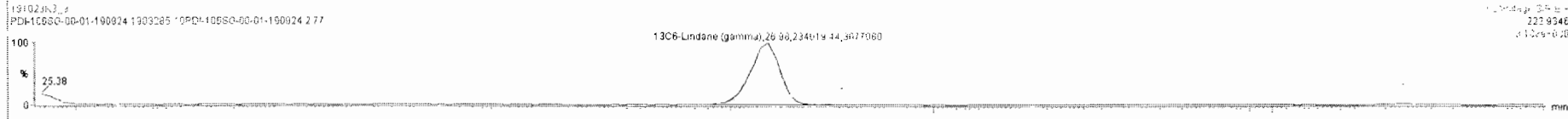
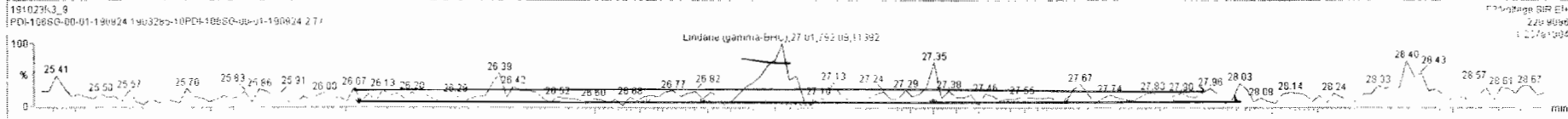
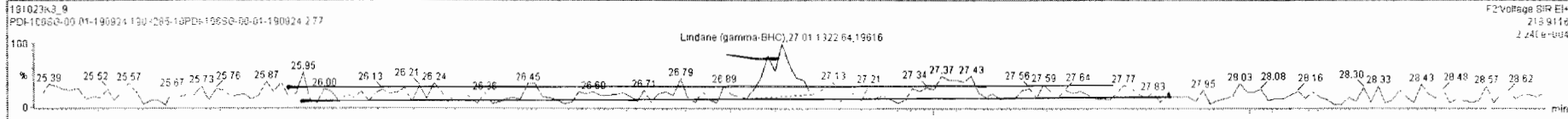


#	Name	Resp	IS Resp	IS#	RA	ivY	RRF	wtVol	ProdRT	RT	RRT	PredRRT	CheckRRT	Conc.	%Rec	DC	EMPC
1	Hexachlorobutadiene	1.09e5	2.65e6	33	0.64	YES	0.1168	1.025	10.35	10.35	1.000	1.000	NO	3370		5.40	2380
2	Hexachlorobenzene	5.30e5	1.62e6	34	1.17	NO	0.8398	1.025	23.14	23.13	1.001	1.001	NO	381		0.242	381
3	Alpha-BHC	12.59e3	6.35e5	35	1.32	YES	0.7511	1.025	23.69	23.69	1.002	1.002	NO	5.21		2.84	4.38
4	Lindane (gamma-BHC)	2.05e3	5.11e5	36	1.41	YES	0.7173	1.025	27.01	27.01	1.001	1.001	NO	5.46		4.19	4.73
5	Beta-BHC	2.11e3	3.67e5	37	2.10	NO	0.8703	1.025	29.02	29.04	1.001	1.000	NO	6.45		3.75	6.45
6	Delta-BHC	1.02e3	3.95e5	38	1.14	YES	0.8175	1.025	30.70	30.71	1.001	1.001	NO	5.54		2.45	4.35
7	Heptachlor		3.27e5	39		NO	0.8683	1.025	29.15				1.001	YES			3.47
8	4,4'-DDEU	1.57e5	3.95e5	36	2.54	NO	1.3629	1.025	30.60	30.61	0.999	0.997	NO	285		5.95	295
9	Aldrin	4.38e4	3.18e5	40	1.66	NO	0.9463	1.025	31.25	31.25	1.001	1.001	NO	143		9.51	143
10	Oryzthiolane		7.28e4	41		NO	0.9262	1.025	33.62				1.001	YES			30.1
11	cis-Heptachlor Epoxide		9.69e4	42		NO	0.9366	1.025	34.61				1.001	YES			25.1
12	trans-Heptachlor Epoxide	8.32e2	9.69e4	42		NO	0.2384	1.025	35.11	35.18	1.017	1.015	NO	35.1		98.8	0.000
13	trans-Chlordane (gamma)	2.37e4	6.93e4	43	1.35	NO	0.9804	1.025	35.52	35.53	1.001	1.001	NO	355		94.1	355
14	trans-Nonachlor	1.67e4	7.60e4	44	1.70	NO	0.9021	1.025	35.71	35.72	1.001	1.001	NO	231		30.2	231
15	cis-Chlordane	1.69e4	7.60e4	44	1.41	NO	0.8988	1.025	36.20	36.20	1.014	1.014	NO	233		30.3	233
16	Endosulfan (alpha)		5.05e4	45		NO	1.0343	1.025	36.31				1.001	YES			45.0
17	4,4'-DDEU	1.09e6	1.65e6	46	3.18	NO	0.5214	1.025	35.96	35.96	0.994	0.994	NO	1230		5.25	1230



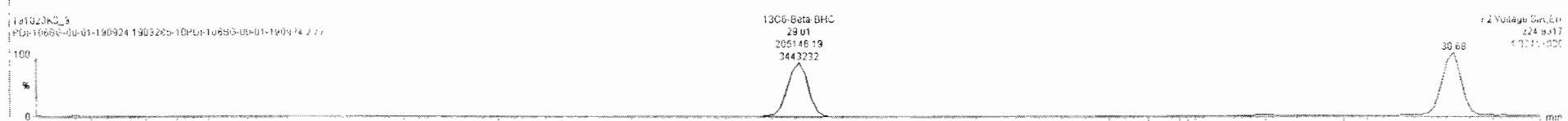
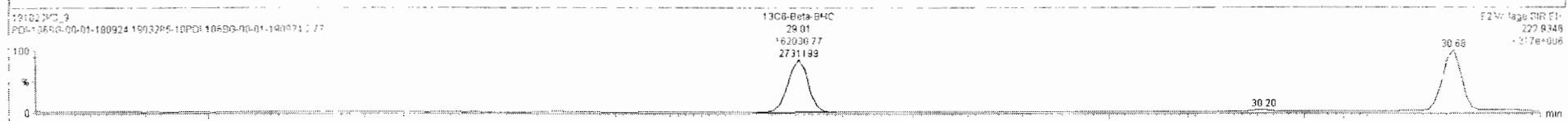
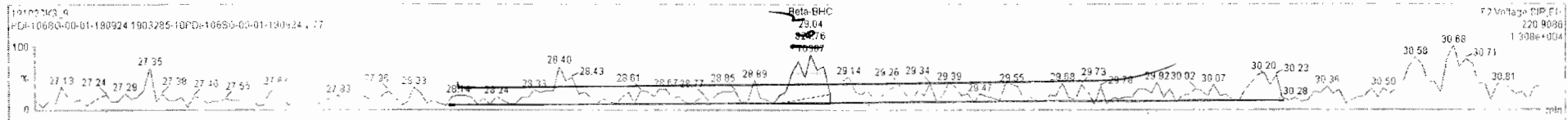
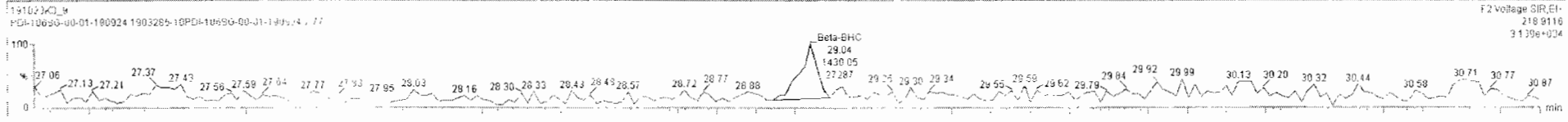
191023K3_9 - 1903285-10PDI-106SG-00-01-190924 2.77 - PDI-106SG-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	Adj	RRF	withol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.09e5	2.85e5	33	0.64	YES	0.1188	1.025	10.35	10.35	1.000	1.000	NO	3370		5.40	2380
2	Hexachlorobenzene	5.30e5	1.62e6	34	1.17	NO	0.6398	1.025	23.14	23.13	1.001	1.001	NO	381		0.242	381
3	Alpha-BHC	2.55e3	6.35e5	35	1.32	YES	0.7511	1.025	23.69	23.69	1.002	1.002	NO	5.21		2.84	4.38
4	Lindane (gamma-BHC)	2.11e3	5.11e5	36	1.67	NO	0.7173	1.025	27.01	27.01	1.001	1.001	NO	5.63		4.19	5.63
5	Beta-BHC	2.11e3	3.67e5	37	2.10	NO	0.8703	1.025	29.02	29.04	1.001	1.000	NO	6.45		3.75	6.45
6	Delta-BHC	1.83e3	3.95e5	38	1.14	YES	0.8175	1.025	30.70	30.71	1.001	1.001	NO	5.54		3.45	4.58
7	Heptachlor		3.27e5	39		NO	0.8683	1.025	29.16			1.001	YES				3.47
8	4,4'-DDMU	1.57e5	3.95e5	38	2.94	NO	1.3629	1.025	30.60	30.61	0.998	0.997	NO	285		5.95	285
9	Aldrin	4.38e4	3.16e5	40	1.66	NO	0.9483	1.025	31.25	31.25	1.001	1.001	NO	143		9.51	143
10	Oxychlorane		7.28e4	41		NO	0.9262	1.025	33.82			1.001	YES				38.1
11	cis-Heptachlor Epoxide		9.69e4	42		NO	0.9366	1.025	34.61			1.001	YES				25.1
12	trans-Heptachlor Epoxide	8.32e2	9.69e4	42		NO	0.2384	1.025	35.11	35.18	1.017	1.015	NO	35.1		98.8	0.000
13	trans-Chlordane (gamma)	2.37e4	6.63e4	43	1.35	NO	0.9804	1.025	35.52	35.53	1.001	1.001	NO	355		34.1	355
14	trans-Nonachlor	1.67e4	7.86e4	44	1.70	NO	0.9021	1.025	35.71	35.72	1.001	1.001	NO	231		30.2	231
15	cis-Chlordane	1.65e4	7.80e4	44	1.41	NO	0.8988	1.025	36.20	36.20	1.014	1.014	NO	233		30.3	233
16	Endosulfan I (alpha)		5.05e4	45		NO	1.0348	1.025	36.31			1.001	YES				45.0
17	4,4'-DDMU	1.06e6	1.65e6	46	3.18	NO	0.5214	1.025	35.96	35.96	0.984	0.994	NO	1290		5.25	1290



191023K3_9 - 1903285-10PDI-106SG-00-01-190924 2.77 - PDI-106SG-00-01-190924

#	Name	Resp	IS Resp	ISF	RA	ivY	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.09e5	2.65e6	33	0.64	YES	0.1189	1.025	10.35	10.35	1.000	1.000	NO	3370		5.40	2380
2	Hexachlorobenzene	5.30e5	1.62e6	34	1.17	NO	0.8398	1.025	23.14	23.13	1.001	1.001	NO	381		0.242	381
3	Alpha-BHC	2.55e3	6.35e5	35	1.32	YES	0.7511	1.025	23.69	23.69	1.002	1.002	NO	5.21		2.84	4.30
4	Lindane (gamma-BHC)	2.11e3	5.11e5	36	1.67	NO	0.7173	1.025	27.01	27.01	1.001	1.001	NO	5.63		4.19	5.63
5	Beta-BHC	2.25e3	3.67e5	37	1.73	NO	0.8703	1.025	29.02	29.04	1.001	1.000	NO	6.88		3.75	6.88
6	Delta-BHC	1.83e3	3.95e5	38	1.14	YES	0.8175	1.025	30.70	30.71	1.001	1.001	NO	5.54		3.45	4.36
7	Heptachlor	3.27e5	39			NO	0.8683	1.025	29.16			1.001	YES			3.47	
8	4,4'-DDMU	1.57e5	3.95e5	38	2.94	NO	1.3629	1.025	30.69	30.61	0.998	0.997	NO	285		5.95	295
9	S Aldrin	4.38e4	3.16e5	40	1.66	NO	0.9453	1.025	31.25	31.25	1.001	1.001	NO	143		9.51	143
10	Oxychlorane	7.28e4	41			NO	0.9262	1.025	33.82			1.001	YES			381	
11	cis-Heptachlor Epoxide	9.69e4	42			NO	0.9356	1.025	34.61			1.001	YES			25.1	
12	trans-Heptachlor Epoxide	8.32e2	9.69e4	42		NO	0.2384	1.025	35.11	35.18	1.017	1.015	NO	35.1		98.6	0.000
13	trans-Chlorane (gamma)	2.37e4	9.63e4	43	1.35	NO	0.9604	1.025	35.52	35.53	1.001	1.001	NO	355		34.1	355
14	trans-Nonachlor	1.67e4	7.80e4	44	1.70	NO	0.9501	1.025	35.71	35.72	1.001	1.001	NO	231		30.2	231
15	cis-Chlorane	1.68e4	7.80e4	44	1.41	NO	0.8993	1.025	36.20	36.20	1.014	1.014	NO	233		30.3	233
16	Endosulfan (alpha)	5.05e4	45			NO	1.0348	1.025	36.31			1.001	YES			45.0	
17	4,4'-DDMU	1.68e5	4.65e5	46	3.15	NO	0.9214	1.025	35.95	35.96	0.994	0.994	NO	1280		5.25	1230

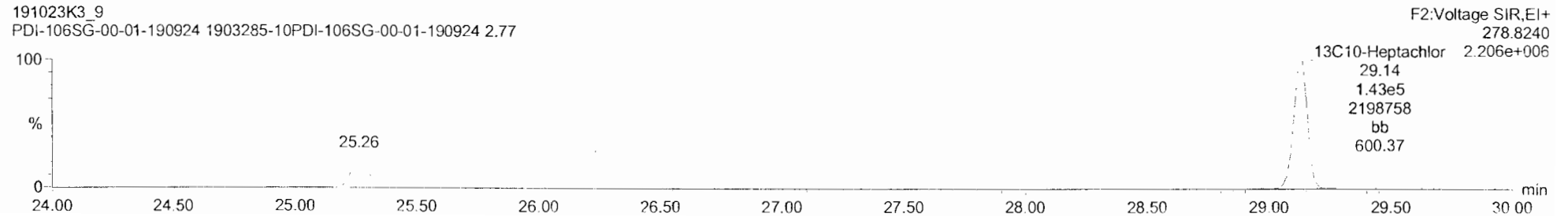
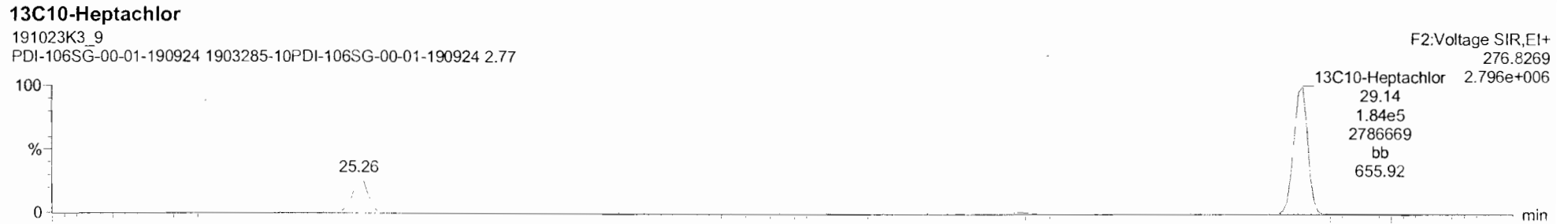
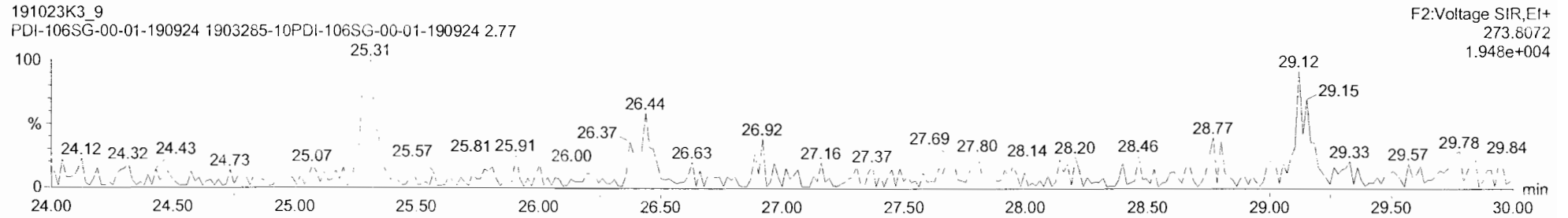
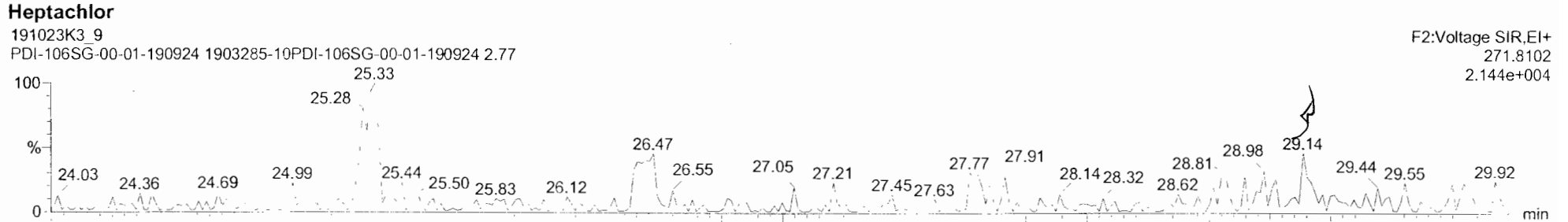


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Printed: Thursday, October 24, 2019 13:57:36 Pacific Daylight Time

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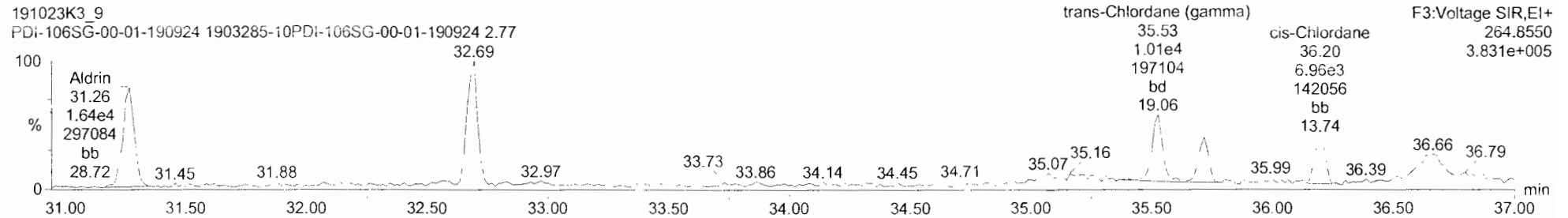
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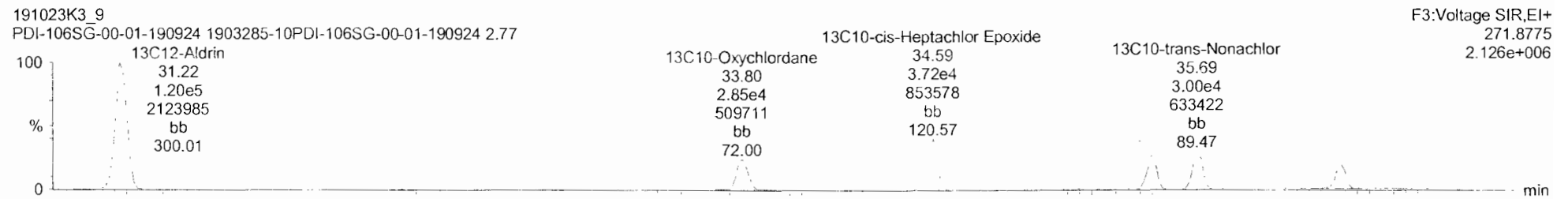
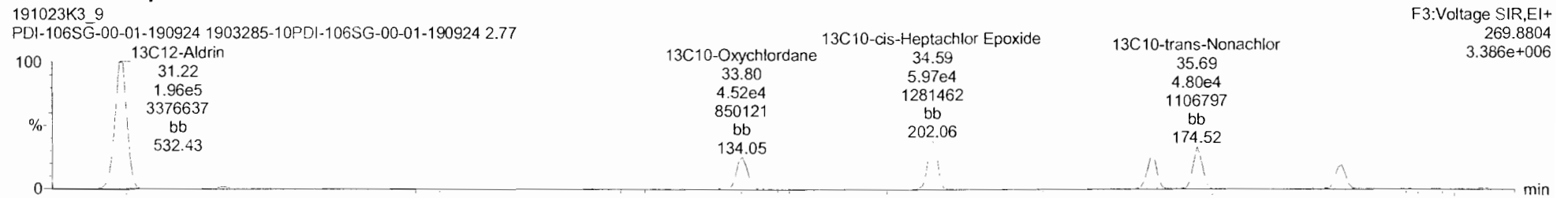
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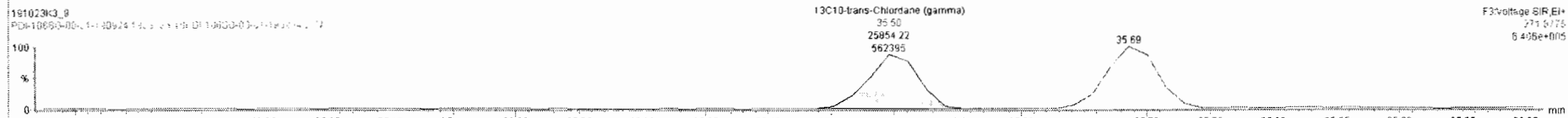
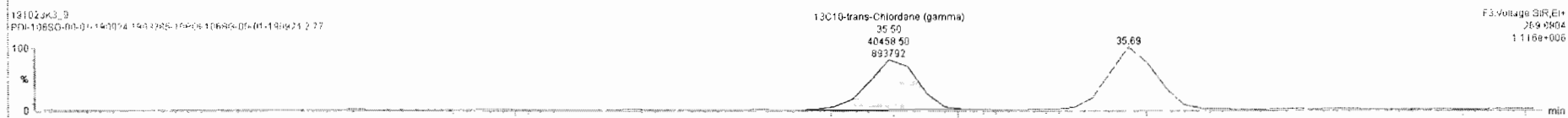
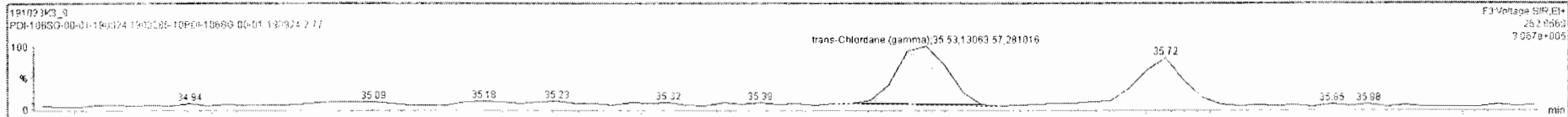
Aldrin-EI



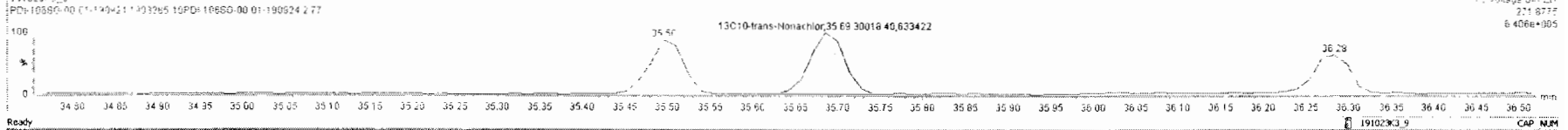
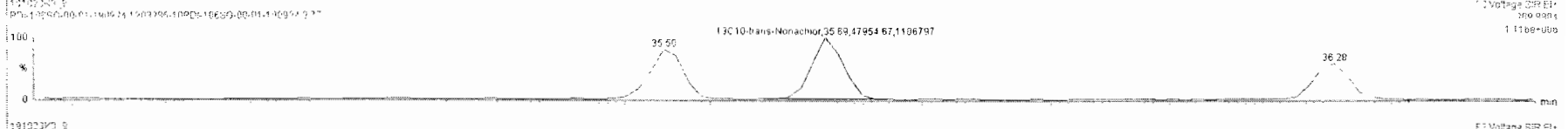
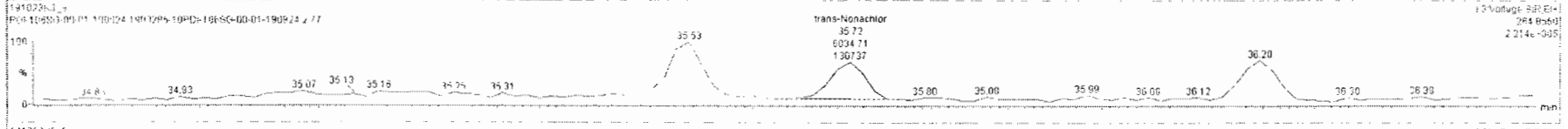
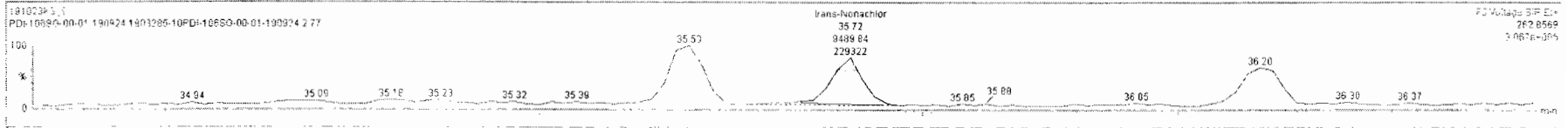
Aldrin-EI-isotopes



#	Name	Resp	IS Resp	IS#	RA	ruy	RRF	wArea	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.09e5	2.85e6	33	0.64	YES	0.1168	1.025	10.35	10.35	1.000	1.000	NO	3370		5.40	2380
2	Hexachlorobenzene	5.30e5	1.62e6	34	1.17	NO	0.8398	1.025	23.14	23.13	1.001	1.001	NO	381		0.242	381
3	Alpha-BHC	2.55e3	6.35e5	35	1.32	YES	0.7511	1.025	23.69	23.69	1.002	1.002	NO	5.21		2.84	4.38
4	Lindane (gamma-BHC)	2.11e3	5.11e5	36	1.67	NO	0.7173	1.025	27.01	27.01	1.001	1.001	NO	5.63		4.19	5.63
5	Beta-BHC		3.67e5	37		NO	0.8703	1.025	29.02			1.000	NO			3.75	
6	Delta-BHC		3.95e5	38		NO	0.8175	1.025	30.70			1.001	NO			3.45	
7	Heptachlor		3.27e5	39		NO	0.8683	1.025	29.16			1.001	YES			3.47	
8	4,4'-DDMU	1.57e5	3.95e5	38	2.94	NO	1.3629	1.025	30.60	30.61	0.998	0.997	NO	285		5.95	285
9	Aldrin	4.98e4	3.16e5	40	1.66	NO	0.9453	1.025	31.25	31.25	1.001	1.001	NO	143		9.51	143
10	Oxychlorane		7.28e4	41		NO	0.9262	1.025	33.82			1.001	YES			39.1	
11	cis-Heptachlor Epoxide		9.89e4	42		NO	0.9366	1.025	34.61			1.001	YES			25.1	
12	trans-Heptachlor Epoxide		9.69e4	42		NO	0.9384	1.025	35.11			1.015	NO			98.8	
13	trans-Chlordane (gamma)	2.21e4	6.63e4	43	1.44	NO	0.9894	1.025	35.52	35.53	1.001	1.001	NO	332		34.1	332
14	trans-Nonachlor	1.67e4	7.80e4	44	1.70	NO	0.9021	1.025	35.71	35.72	1.001	1.001	NO	231		30.2	231
15	cis-Chlordane	1.68e4	7.80e4	44	1.41	NO	0.8938	1.025	36.20	36.20	1.014	1.014	NO	233		30.3	233
16	Endosulfan I (alpha)		5.05e4	45		NO	1.0348	1.025	36.31			1.001	YES			45.0	
17	4,4'-DDMU	1.09e6	1.65e6	46	3.18	NO	0.5214	1.025	35.96	35.96	0.994	0.994	NO	1230		5.25	1230



#	Name	Resp	IS Resp	ISF	RA	n/y	RF	w/wtd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
1	Hexachlorobutadiene	1.06e5	2.65e6	33	0.64	YES	0.1126	1.025	10.35	10.35	1.000	1.000	NO	3370		5.40	2380
2	Hexachlorobenzene	5.36e5	1.62e6	34	1.17	NO	0.8398	1.025	23.14	23.13	1.001	1.001	NO	381		0.242	381
3	Alpha-BHC	2.55e3	6.35e5	35	1.32	YES	0.7511	1.025	23.89	23.89	1.002	1.002	NO	5.21		2.84	4.38
4	Lindane (gamma-BHC)	2.11e3	5.11e5	36	1.67	NO	0.7173	1.025	27.01	27.01	1.001	1.001	NO	5.83		4.18	5.63
5	Beta-BHC		3.67e5	37		NO	0.8703	1.025	28.02			1.000	NO			3.75	
6	Delta-BHC		3.95e5	38		NO	0.8175	1.025	30.70			1.001	NO			3.45	
7	Heptachlor		3.27e5	39		NO	0.8863	1.025	28.16			1.001	YES			3.47	
8	4,4'-DDE	1.57e5	3.95e5	38	2.94	NO	1.3829	1.025	30.60	30.61	0.999	0.997	NO	265		5.66	265
9	Aldrin	4.38e4	3.16e5	40	1.66	NO	0.9463	1.025	31.25	31.25	1.001	1.001	NO	143		9.51	143
10	Oryzthiopyrene		7.29e4	41		NO	0.9262	1.025	33.82			1.001	YES			38.1	
11	cis-Heptachlor Epoxide		9.89e4	42		NO	0.9366	1.025	34.61			1.001	YES			25.1	
12	trans-Heptachlor Epoxide		9.89e4	42		NO	0.9364	1.025	35.11			1.015	NO			36.8	
13	trans-Chlordane (gamma)	2.21e4	6.53e4	43	1.44	NO	0.8894	1.025	35.52	35.53	1.001	1.001	NO	332		34.1	332
14	trans-Nonachlor	1.55e4	7.90e4	44	1.87	NO	0.9121	1.025	35.74	35.72	1.001	1.001	NO	215		30.2	215
15	cis-Chlordane	1.58e4	7.90e4	44	1.41	NO	0.8989	1.025	36.20	36.20	1.014	1.014	NO	233		30.3	233
16	Endosulfan (alpha)		5.05e4	45		NO	1.0348	1.025	36.51			1.001	YES			45.0	
17	4,4'-DDE	1.08e5	1.65e6	46	3.18	NO	0.5214	1.025	35.96	35.96	0.994	0.994	NO	1290		5.25	1290



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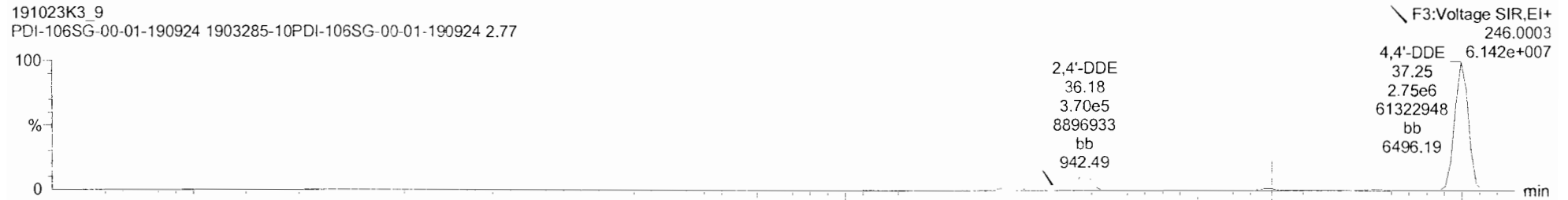
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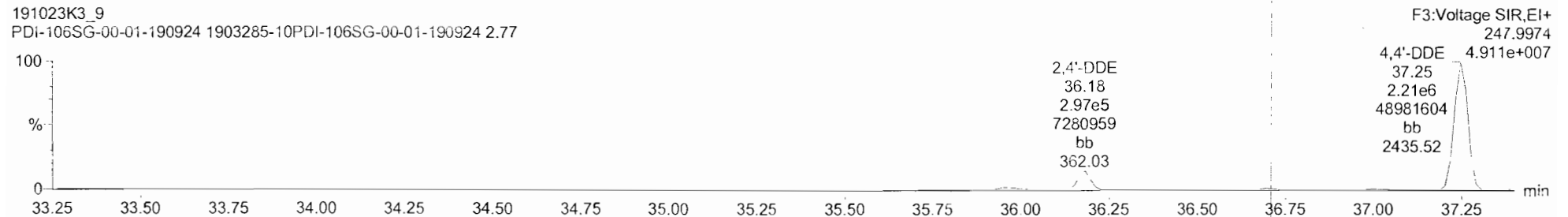
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DDMU-DDE

191023K3_9
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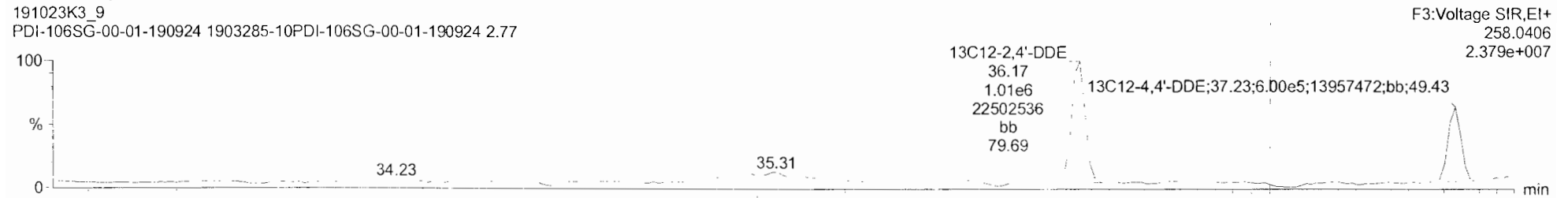


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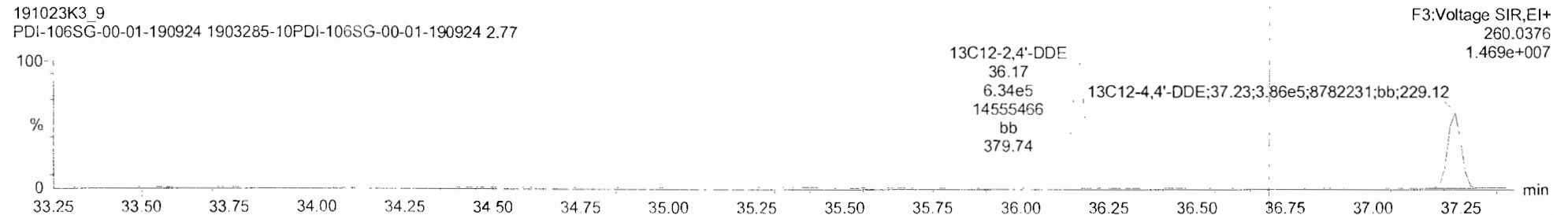


DDE-isotopes

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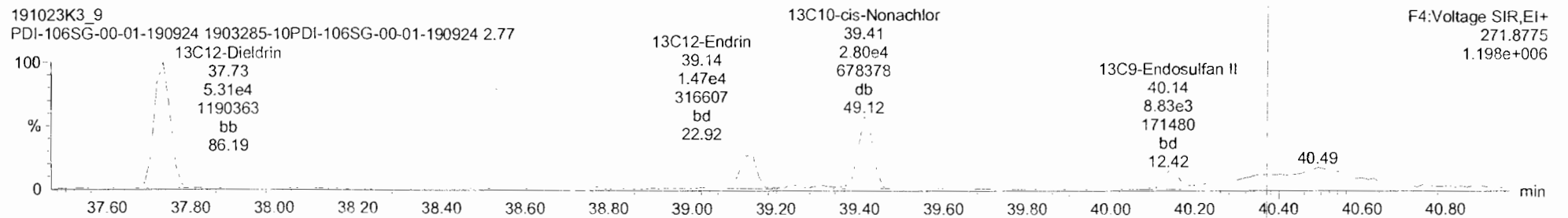
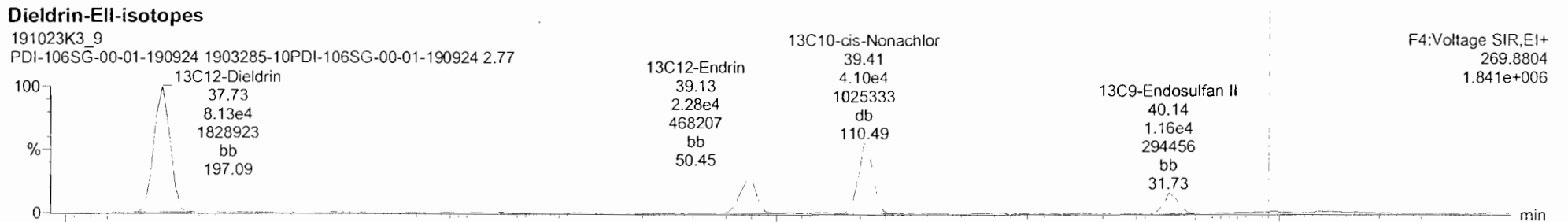
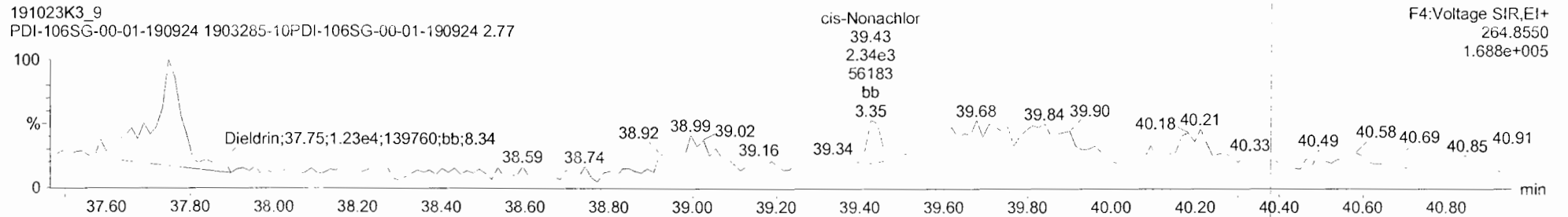
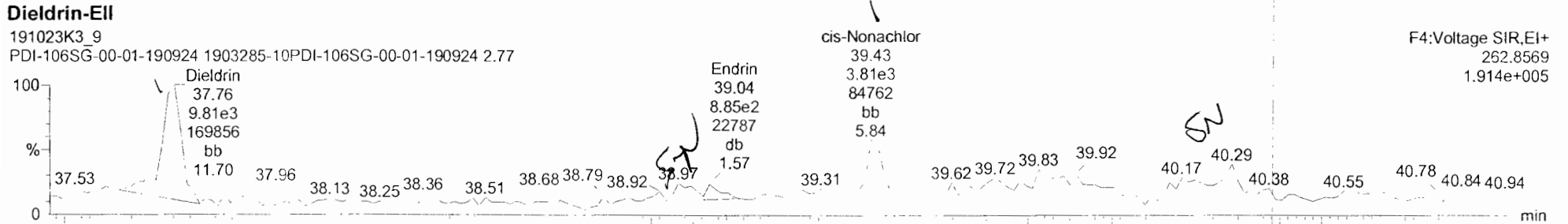
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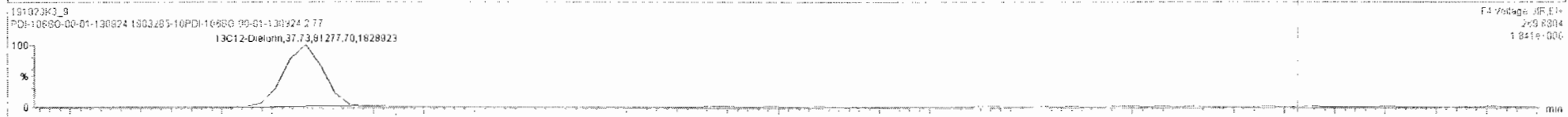
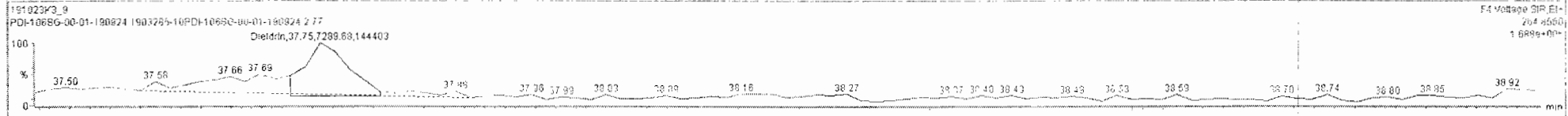
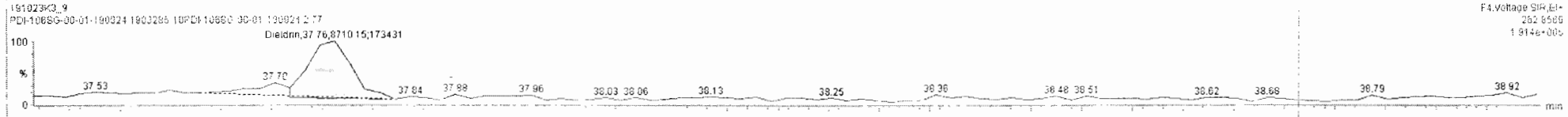
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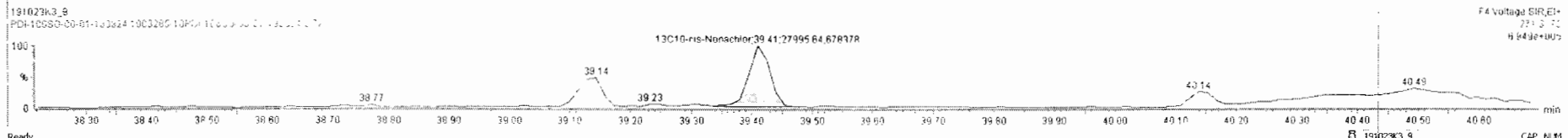
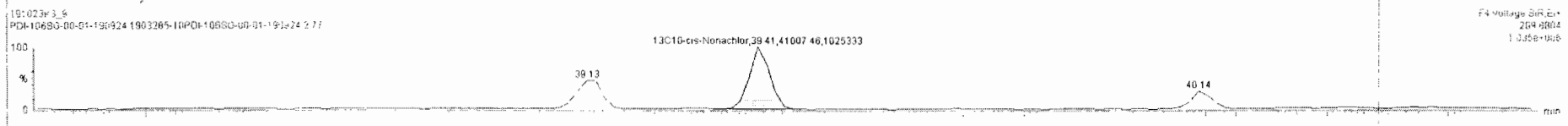
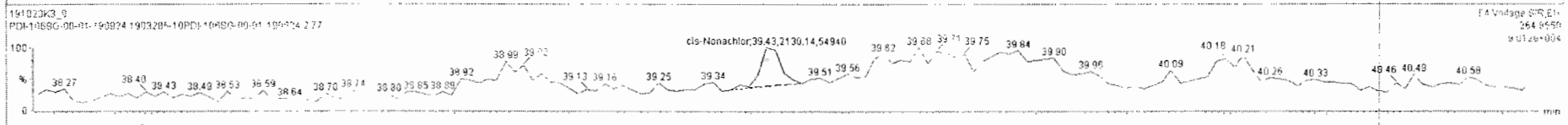
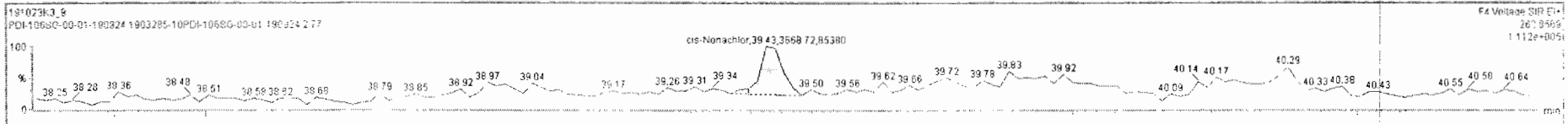
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#	Name	Reso	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	18 2,4'-DDE	6.67e5	1.65e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
19	19 4,4'-DDE	4.96e5	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	20 Dieldrin	1.50e4	1.24e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	1125
21	21 Endrin	6.85e2	3.75e4	49		NO	0.9018	1.025	39.13	39.04	0.998	1.000	NO	25.6		110	0.000
22	22 cis-Nonachlor	6.15e3	6.90e4	50	1.63	NO	0.9134	1.025	39.42	39.43	1.000	1.000	NO	95.2		46.4	95.2
23	23 Endosulfan II (beta)		2.02e4	51		NO	1.0280	1.025	40.14			1.000	YES				144
24	24 2,4'-DDD	6.99e5	1.24e6	52	1.55	NO	0.8901	1.025	38.37	38.39	1.000	1.000	NO	5200		6.66	5200
25	25 2,4'-DDT	1.14e5	8.42e5	53	1.55	NO	0.8645	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	26 4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
27	27 4,4'-DDT	1.32e6	6.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	28 Endosulfan Sulfate	4.34e4	2.40e4	56	1.88	NO	0.8958	1.025	41.86	42.02	1.004	1.000	NO	1970		144	1970
29	29 4,4'-Methoxychlor	5.11e3	6.73e5	57		NO	1.1019	1.025	42.74	43.75	1.002	1.000	NO	6.72		36.9	0.000
30	30 Mirex	6.32e3	2.54e5	58	0.49	YES	0.6683	1.025	44.35	44.35	1.000	1.000	NO	27.9		12.2	14.7
31	31 Endrin Aldehyde		3.87e5	59		NO	0.9625	1.025	41.28			1.000	YES				61.9
32	32 Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES				71.2
33	33 13C4-Hexachlorobutadi	2.65e6	2.88e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	34 13C6-Hexachlorobenz	1.62e6	2.88e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	789	78.9	0.240	



#	Name	Riscp	IS Resp	ISF	SA	ref	RRP	w/kval	Pred RT	RT	FRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMFC
18	18 2,4-DDE	6.67e5	1.65e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
19	19 4,4'-DDE	4.96e5	9.88e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	20 Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	21 Endrin		3.75e4	49		NO	0.9018	1.025	39.13			1.000	NO			110	
22	22 cis-Nonachlor	5.80e3	6.90e4	50	1.72	NO	0.9134	1.025	38.42	38.43	1.000	1.000	NO	89.8		48.4	89.8
23	23 Endosulfan I (beta)		2.02e4	51		NO	1.0260	1.025	40.14			1.000	YES			144	
24	24 2,4-DDO	6.99e6	1.24e6	52	1.55	NO	0.8901	1.025	38.37	38.39	1.000	1.000	NO	6200		6.66	6200
25	25 2,4-DDT	1.14e5	8.42e5	53	1.55	NO	0.8845	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	26 4,4'-DDO	2.01e7	1.14e6	54	1.54	NO	0.8710	1.025	38.64	38.63	1.000	1.000	NO	17700		6.43	17700
27	27 4,4'-DDT	1.32e6	6.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	28 Endosulfan Sulfate	4.34e4	2.40e4	56	1.88	NO	0.8958	1.025	41.66	42.02	1.004	1.000	NO	1970		144	1970
29	29 4,4'-Methoxychlor	5.11e3	6.73e6	57		NO	1.1019	1.025	43.74	43.75	1.000	1.000	NO	6.72		36.9	0.000
30	30 Mirex	6.32e3	2.54e5	58	0.48	YES	0.8656	1.025	44.35	44.35	1.000	1.000	NO	27.9		12.2	14.7
31	31 Endrin Aldehyde		3.87e5	59		NO	0.9625	1.025	41.28			1.000	YES			61.9	
32	32 Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES			71.2	
33	33 13C4-Hexachlorobutene	2.85e6	2.89e6	62	1.26	NO	0.11473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	34 13C6-Hexachlorobenz	1.62e6	2.89e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	769	78.9	0.240	



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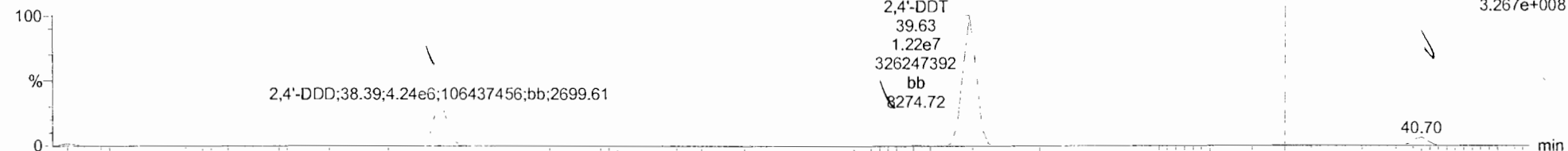
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DDD-DDT

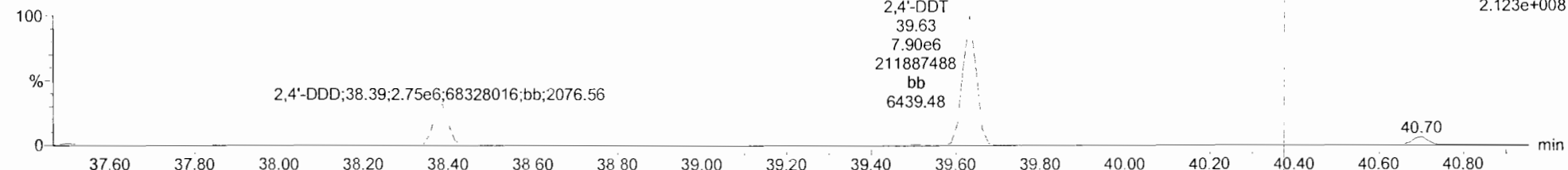
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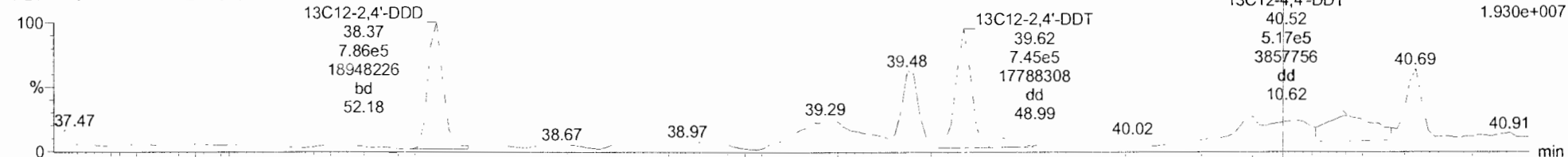
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2.123e+008



DDD-DDT-isotopes

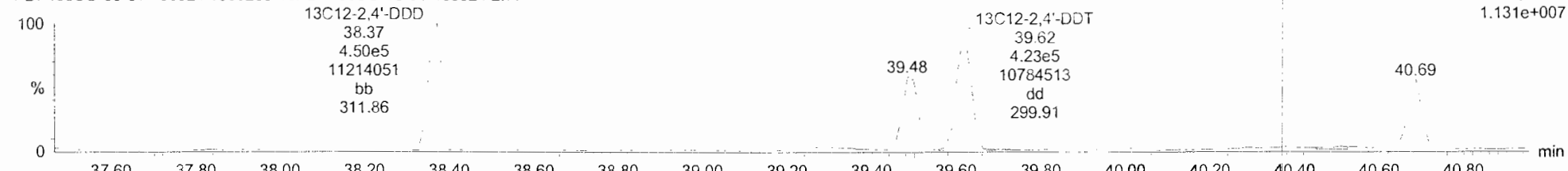
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F4:Voltage SIR,EI+
247.0484
1.930e+007

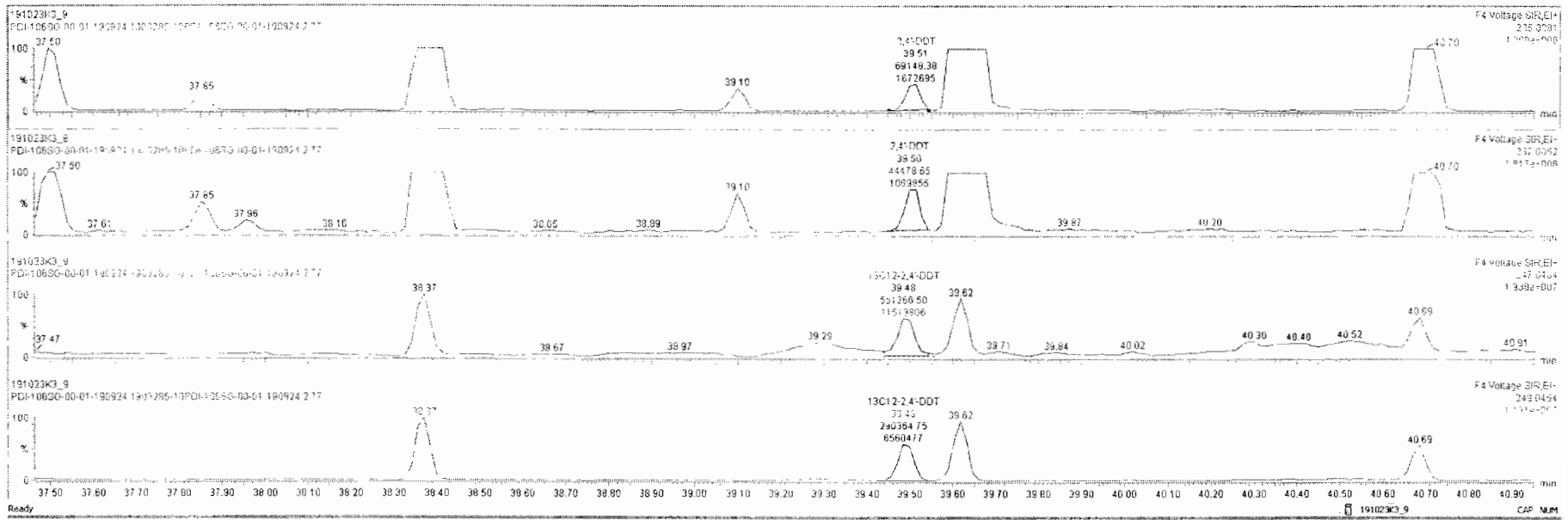


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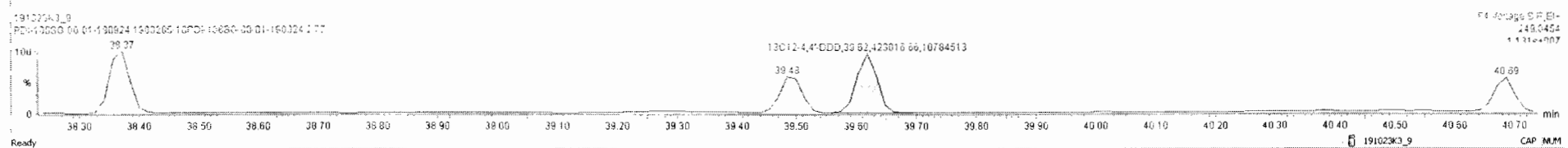
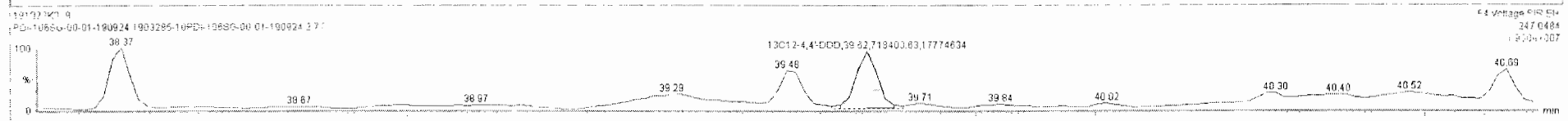
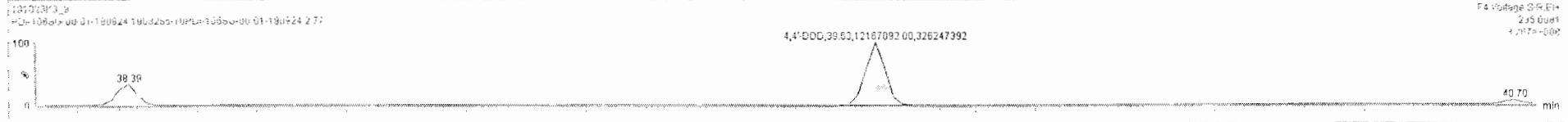
F4:Voltage SIR,EI+
249.0454
1.131e+007



#	Name	Resp	IC Resp	Ear	RA	n/N	RFI	wtVnd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DOE	6.67e5	1.65e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.80	521
19	4,4'-DOE	4.96e6	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		375e4	49		NO	0.9018	1.025	38.13			1.000	NO			110	
22	cis-nonachlor	5.80e3	6.90e4	50	1.72	NO	0.9134	1.025	38.42	39.43	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan II (beta)		2.02e4	51		NO	1.0290	1.025	40.14			1.000	YES			144	
24	2,4'-DDD	6.99e6	1.24e6	52	1.55	NO	0.8901	1.025	38.37	38.38	1.000	1.000	NO	6200		6.66	6200
25	2,4'-DDT	1.14e5	8.42e5	53	1.55	NO	0.9645	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	38.64	38.63	1.000	1.000	NO	17700		6.43	17700
27	4,4'-DDT	1.33e6	6.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate	4.34e4	2.40e4	56	1.88	NO	0.8958	1.025	41.56	42.02	1.004	1.000	NO	1970		144	1970
29	4,4'-Methoxychlor	5.11e3	6.72e5	57		NO	1.1019	1.025	43.74	43.75	1.000	1.000	NO	6.72		36.9	0.000
30	Heptachlor	6.52e3	2.54e5	58	0.48	YES	0.9588	1.025	44.35	44.35	1.000	1.000	YES	27.9		12.2	147
31	Endrin Alkylthio		3.97e5	59		NO	0.8629	1.025	41.46			1.000	YES			61.9	
32	Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES			71.2	
33	13C12-Hexachlorobenz	2.65e6	2.59e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.50	
34	13C12-Hexachlorobenz	1.62e6	2.88e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	769	78.9	0.240	

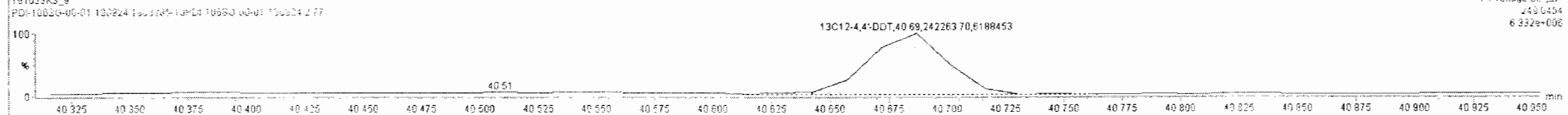
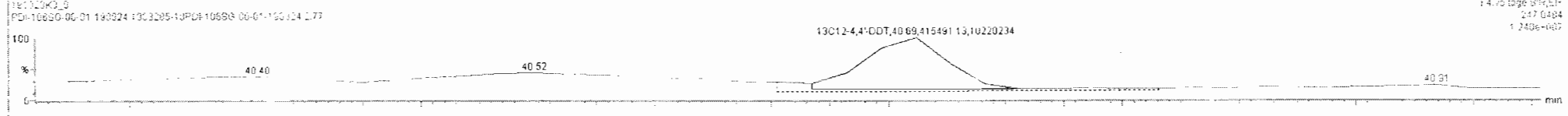
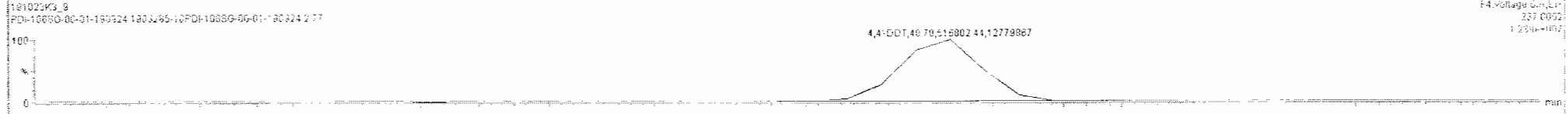
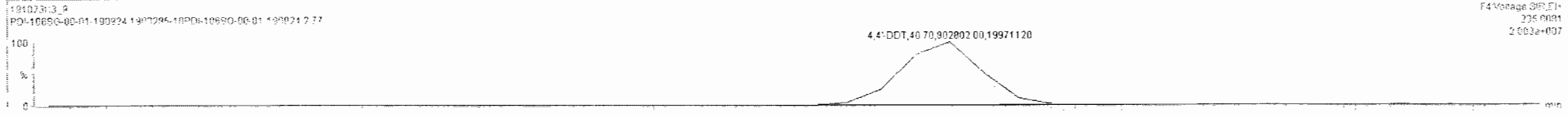


#	Name	Res	IS Resp	IS#	RA	rvf	RRT	wtVol	Prod.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE	6.67e5	1.65e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
19	4,4'-DDE	4.95e6	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.8273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		3.75e4	49		NO	0.9018	1.025	39.13		1.000	1.000	NO				110
22	cis-Nonachlor	5.90e3	8.90e4	50	1.72	NO	0.9134	1.025	39.42	39.43	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan II (beta)		2.02e4	51		NO	1.0260	1.025	40.14		1.000	1.000	YES				144
24	2,4'-DDD	6.99e6	1.24e6	52	1.55	NO	0.8901	1.025	39.37	39.39	1.000	1.000	NO	6200		8.66	6200
25	2,4'-DDT	1.14e5	6.42e5	53	1.55	NO	0.8845	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	4,4'-DDD	2.01e7	1.14e6	54	3.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
27	4,4'-DDT	1.32e6	8.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate	4.34e4	2.40e4	56	1.88	NO	0.8958	1.025	41.86	42.02	1.004	1.000	NO	1970		144	1970
29	4,4'-Methoxychlor	5.11e3	6.73e6	57		NO	1.1018	1.025	43.74	43.75	1.000	1.000	NO	6.72		36.9	0.000
30	Hexachlorocyclopentadiene	6.32e3	2.54e3	58	0.48	YES	0.9668	1.025	44.35	44.35	1.000	1.000	NO	27.9		12.2	14.7
31	Endrin Aldehyde		3.07e5	59		NO	0.9625	1.025	41.26		1.000	1.000	YES				61.9
32	Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46		1.000	1.000	YES				71.2
33	13C4-Hexachlorobutadiene	2.65e6	2.86e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorocyclopentadiene	1.82e6	2.86e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	769	76.9	0.240	



191023K3_9 - 1903285-10PDI-106SG-00-01-190924 2.77 - PDI.106SG-00-01-190924

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE	6.67e5	1.65e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
19	4,4'-DDE	4.96e6	9.88e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		3.75e4	49		NO	0.9018	1.025	39.13			1.000	NO				110
22	cis-Nonachlor	5.90e3	6.90e4	50	1.72	NO	0.9134	1.025	39.42	39.43	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan II (beta)		2.02e4	51		NO	1.0280	1.025	40.14			1.000	YES				144
24	2,4'-DDD	6.99e6	1.24e6	52	1.55	NO	0.8901	1.025	38.37	38.39	1.000	1.000	NO	6200		6.96	6200
25	2,4'-DDT	1.14e5	8.42e5	53	1.55	NO	0.8645	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
27	4,4'-DDT	1.32e6	6.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate	4.34e4	2.40e4	56	1.68	NO	0.8958	1.025	41.66	42.02	1.004	1.000	NO	1970		144	1970
29	4,4'-Methoxychlor	5.11e3	6.73e6	57		NO	1.1019	1.025	43.74	43.75	1.000	1.000	NO	6.72		36.9	0.000
30	Mirex	6.32e3	2.54e5	58	0.46	YES	0.8699	1.025	44.55	44.35	1.000	1.000	NO	27.9		12.2	14.7
31	Endrin Aldehyde		3.67e5	59		NO	0.8625	1.025	41.26			1.000	YES				61.9
32	Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES				71.2
33	13C4-Hexachlorocyclohexadi	2.65e6	2.88e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorocyclohex	1.62e6	2.88e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	769	79.9	0.240	



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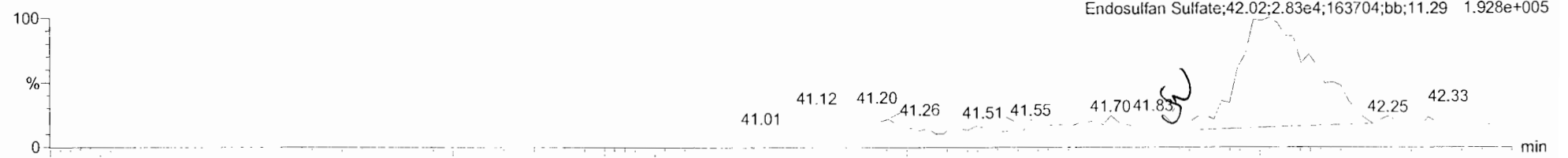
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Endosulfan Sulfate

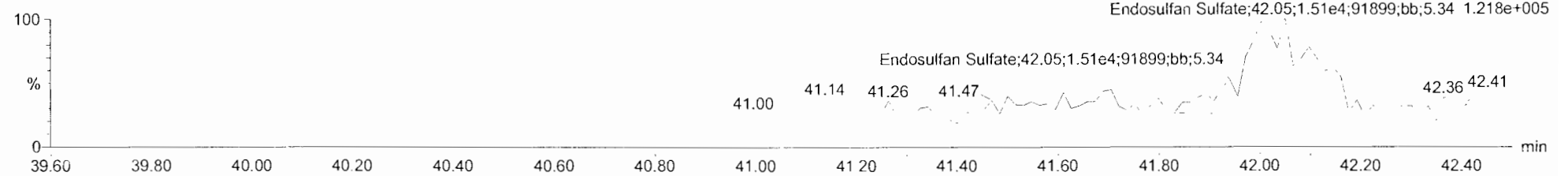
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191023K3_9
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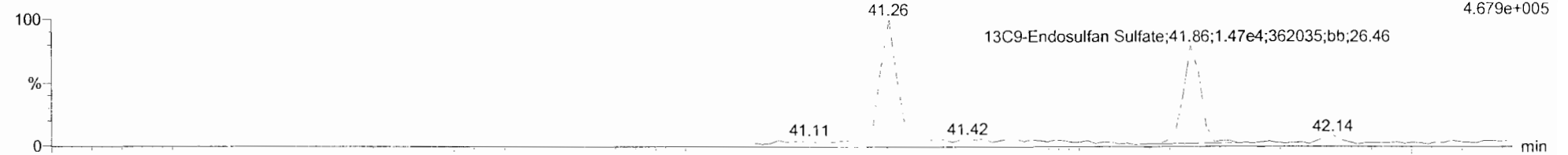
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264.8540



13C9-Endosulfan Sulfate

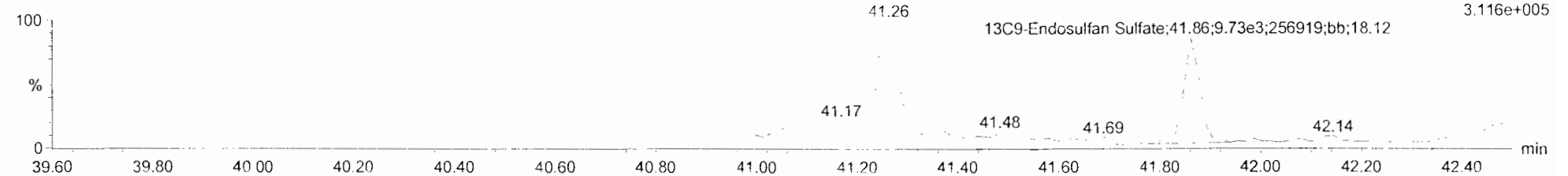
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PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

F5:Voltage SIR,EI+
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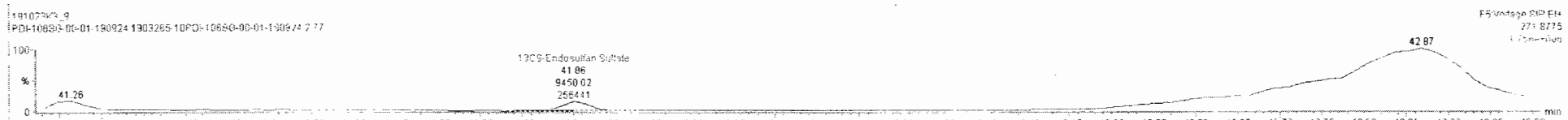
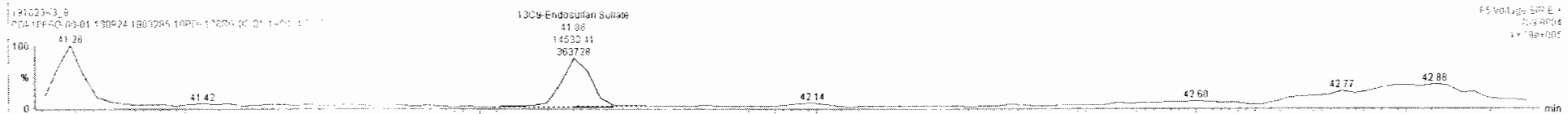
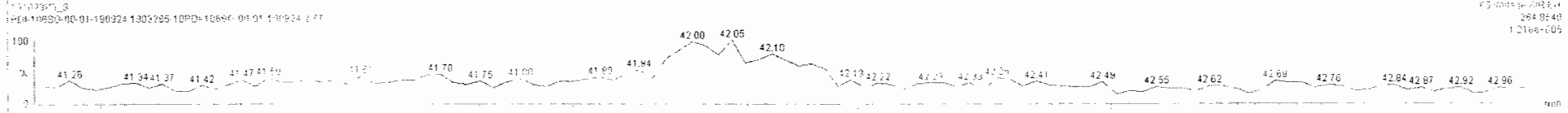
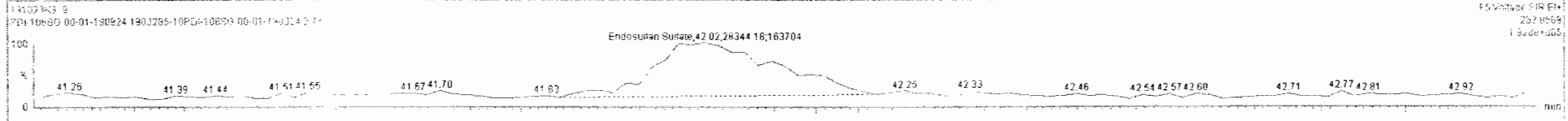


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PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

F5:Voltage SIR,EI+
271.8775
3.116e+005



#	Name	Resp	IS Resp	IS#	RA	inV	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	LOD	EMPC
18	2,4-DDE	6.67e5	1.65e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
19	4,4'-DDE	4.96e5	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		3.75e4	49		NO	0.9018	1.025	39.13			1.000	NO				110
22	cis-Nonachlor	5.60e3	5.90e4	50	1.72	NO	0.9134	1.025	39.42	39.43	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan I (beta)		2.02e4	51		NO	1.0290	1.025	40.14			1.000	YES				144
24	2,4'-DDD	6.99e6	1.24e6	52	1.55	NO	0.8991	1.025	39.37	39.39	1.000	1.000	NO	6200		6.66	6200
25	2,4'-DDT	1.14e5	8.42e5	53	1.55	NO	0.8845	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		5.43	17700
27	4,4'-DDT	1.32e5	6.59e5	55	1.55	NO	0.9736	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate		2.40e4	56		NO	0.8958	1.025	41.86			1.000	NO				144
29	4,4'-Methoxychlor	5.11e3	6.73e6	57		NO	1.1019	1.025	43.74	43.75	1.000	1.000	NO	6.72		36.9	0.000
30	Merex	6.32e3	2.54e5	58	0.48	YES	0.6698	1.025	44.35	44.35	1.000	1.000	NO	27.9		12.2	14.7
31	Endrin Aldehyde		3.87e5	59		NO	0.9625	1.025	41.28			1.000	YES				61.9
32	Endrin ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES				71.2
33	13C4-Hexachlorobutadi	2.65e6	2.88e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorobenz	1.62e6	2.88e6	62	1.27	NO	0.7194	1.025	23.11	23.11	0.873	0.873	NO	769	78.3	0.240	



Dataset: U:\VG11.PRO\Results\191023K3\191023K3-9.qld

Last Altered: Thursday, October 24, 2019 13:56:20 Pacific Daylight Time

Printed: Thursday, October 24, 2019 13:57:36 Pacific Daylight Time

Name: 191023K3_9, Date: 24-Oct-2019, Time: 12:09:45, ID: 1903285-10PDI-106SG-00-01-190924 2.77, Description: PDI-106SG-00-01-190924

4,4'-Methoxychlor

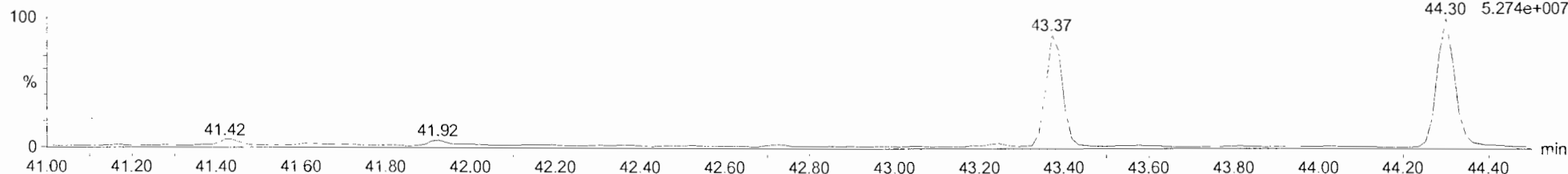
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F5:Voltage SIR,EI+
227.1072
2.284e+007



191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

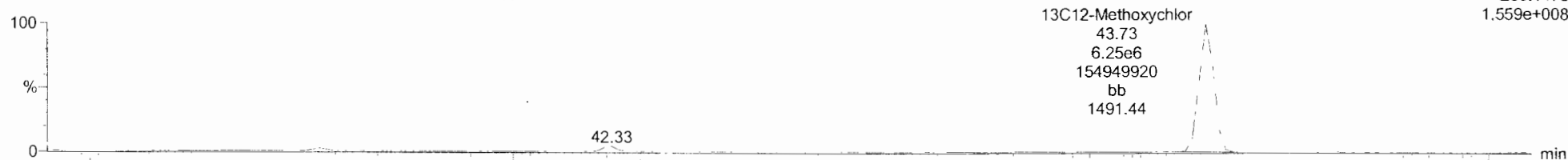
F5:Voltage SIR,EI+
228.1106
5.274e+007



13C12-Methoxychlor

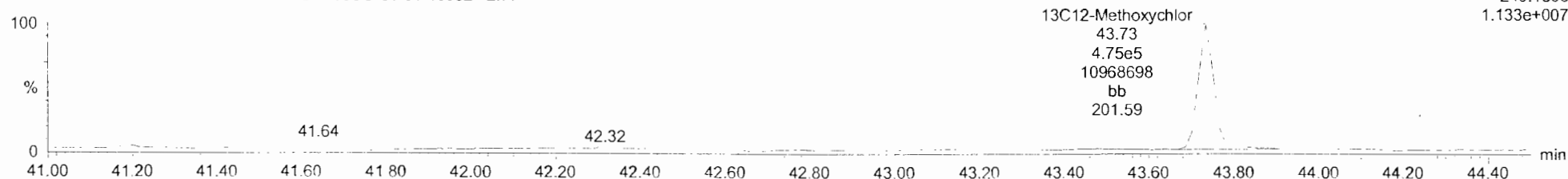
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F5:Voltage SIR,EI+
239.1475
1.559e+008

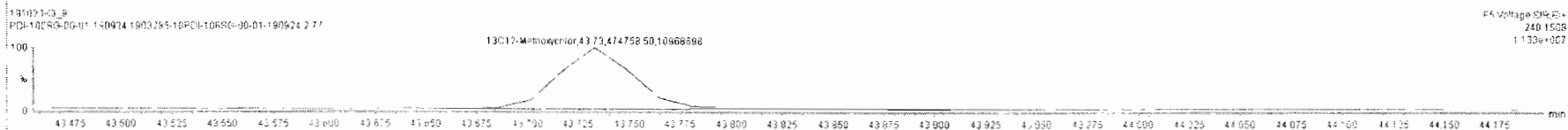
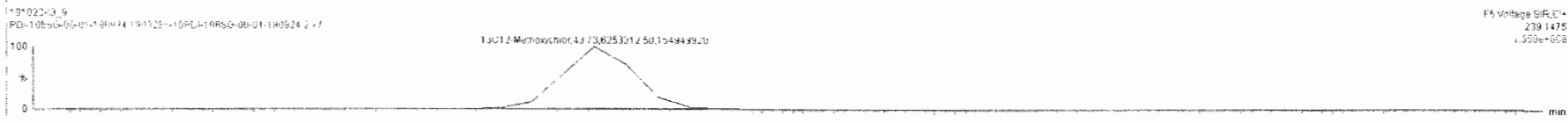
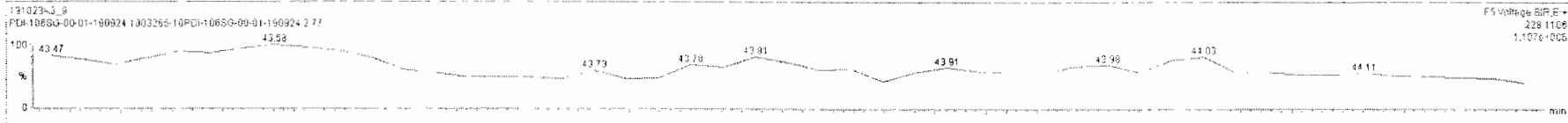
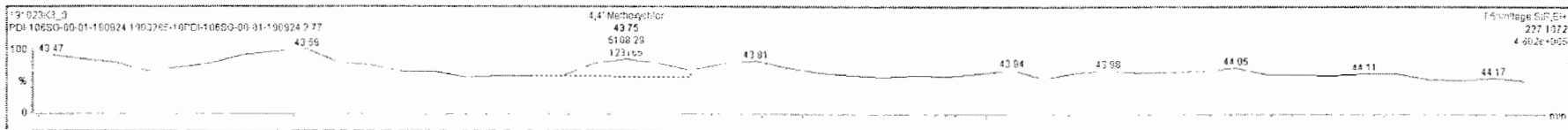


191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

F5:Voltage SIR,EI+
240.1508
1.133e+007



#	Name	Resp	IS Resp	IS	RA	RY	RRF	wt/mt	PredRRT	RT	RRT	PredRRT	Check RRT	Conc	%Rec	DL	EMPC
18	2,4-DCE	8.67e5	1.65e6	48	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521	2.80	521	
19	4,4-DCE	4.96e5	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370	4.07	6370	
20	Deidrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125	27.2	125	
21	Endrin		3.75e4	49		NO	0.5018	1.025	39.13			1.000	NO			110	
22	cas-Norechlor	5.05e3	6.30e4	50	1.72	NO	0.9134	1.025	39.42	39.43	1.000	1.000	NO	89.8	48.4	89.8	
23	Endosulfan I (beta)		2.02e4	51		NO	1.0280	1.025	40.14			1.000	YES			144	
24	2,4-DDD	6.95e6	1.24e8	52	1.55	NO	0.6901	1.025	38.37	38.38	1.000	1.000	NO	6200	6.66	6200	
25	2,4-DDT	1.14e5	8.42e5	53	1.55	NO	0.8645	1.025	39.50	39.51	1.001	1.000	NO	152	11.6	152	
26	4,4-DDD	2.01e7	1.14e8	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700	6.43	17700	
27	4,4-DDT	1.32e6	6.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010	11.2	2010	
28	Endosulfan Sulfate		2.40e4	56		NO	0.8958	1.025	41.86			1.000	NO			144	
29	4,4'-Methoxychlor		6.73e6	57		NO	1.1019	1.025	43.74			1.000	NO			36.9	
30	Mirex	6.32e3	2.54e5	58	0.48	YES	0.8898	1.025	44.35	44.35	1.000	1.000	NO	27.9	12.2	14.7	
31	Endrin Aisetyne		3.82e5	59		NO	0.9625	1.025	41.28			1.000	YES			61.9	
32	Endrin Ketone		4.14e5	60		NO	0.9873	1.025	44.48			1.000	YES			71.2	
33	13C4-Hexachlorobutadi	2.65e6	2.88e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorobenz	1.62e6	2.88e6	62	1.27	NO	0.7164	1.025	23.11	23.11	0.873	0.873	NO	769	78.9	0.240	



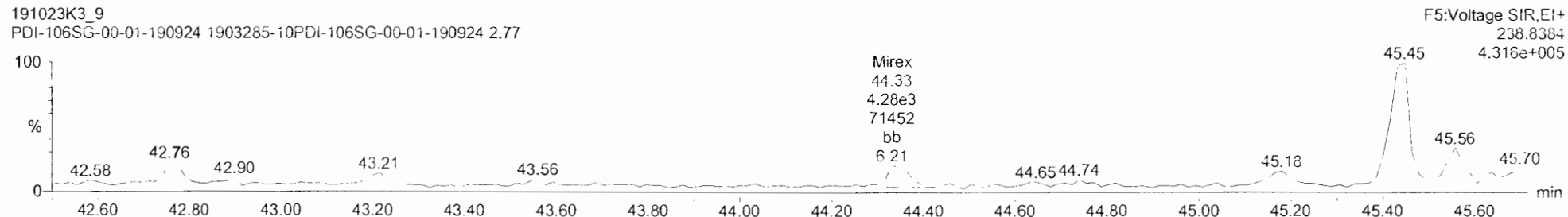
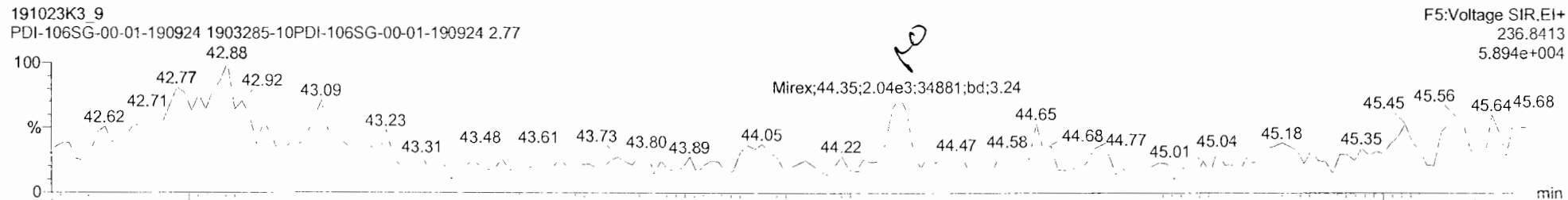
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Last Altered: Thursday, October 24, 2019 13:56:20 Pacific Daylight Time

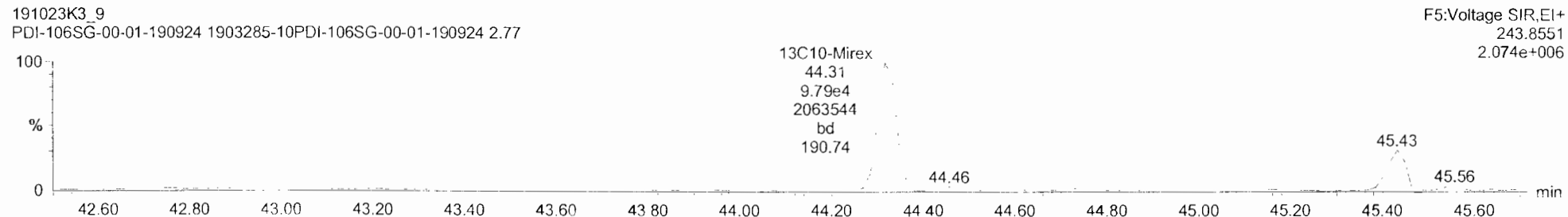
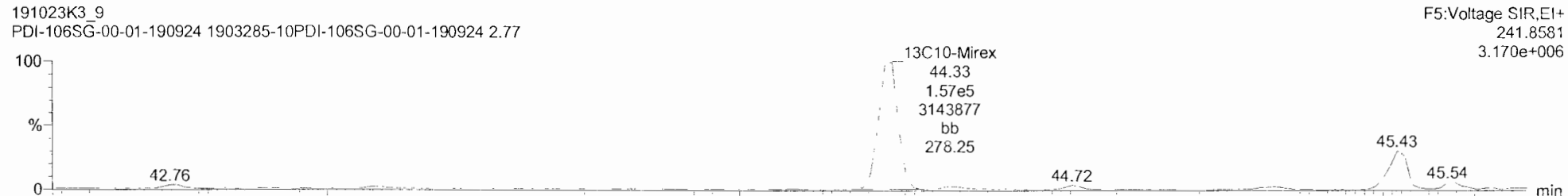
Printed: Thursday, October 24, 2019 13:57:36 Pacific Daylight Time

Name: 191023K3_9, Date: 24-Oct-2019, Time: 12:09:45, ID: 1903285-10PDI-106SG-00-01-190924 2.77, Description: PDI-106SG-00-01-190924

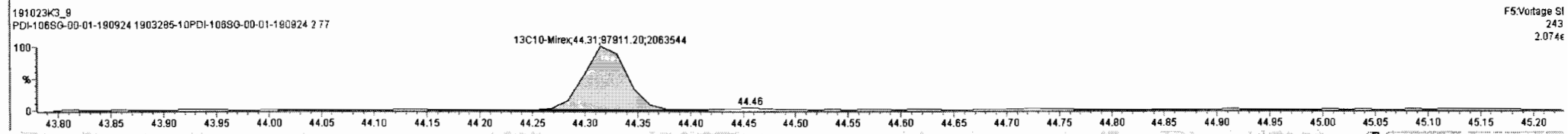
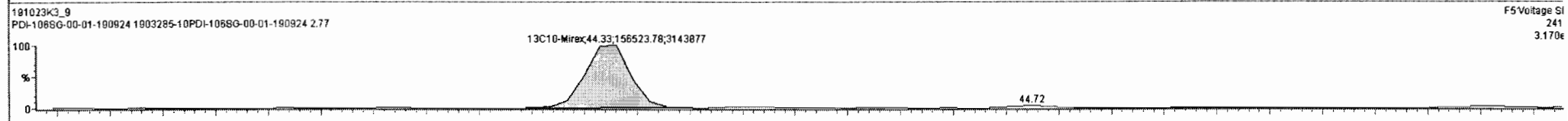
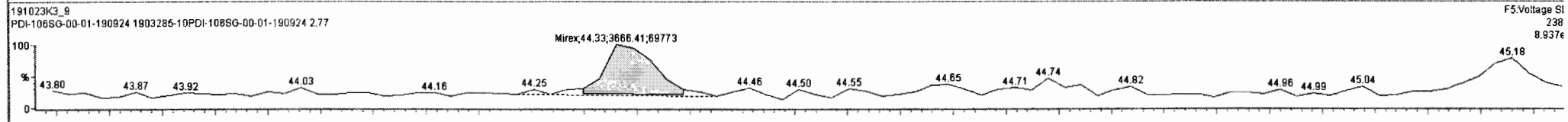
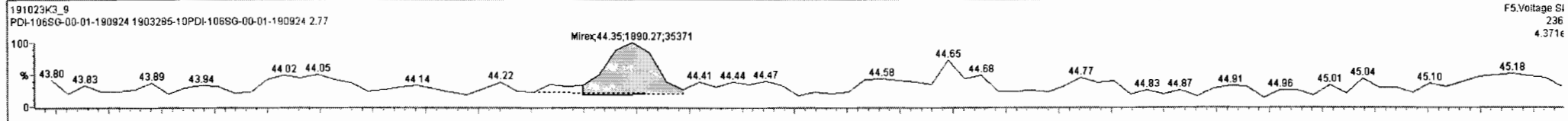
Mirex



13C10-Mirex



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	WtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMC
19	4,4'-DDE	4.96e6	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.80e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		3.75e4	49		NO	0.9018	1.025	39.13			1.000	NO			110	
22	cis-Nonachlor	5.80e3	6.90e4	50	1.72	NO	0.9134	1.025	39.42	39.42	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan II (beta)		2.02e4	51		NO	1.0280	1.025	40.14			1.000	YES			144	
24	2,4'-DDD	6.99e6	1.24e6	52	1.55	NO	0.8901	1.025	38.37	38.39	1.000	1.000	NO	6200		6.66	6200
25	2,4'-DDT	1.14e5	8.42e5	53	1.55	NO	0.8645	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
27	4,4'-DDT	1.32e6	6.58e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate		2.40e4	56		NO	0.8958	1.025	41.86			1.000	NO			144	
29	4,4'-Methoxychlor		6.73e6	57		NO	1.1019	1.025	43.74			1.000	NO			38.9	
30	Mirex	5.58e3	2.54e5	58	0.52	YES	0.8698	1.025	44.35	44.35	1.000	1.000	NO	24.5		12.2	13.7
31	Endrin Aldehyde		3.87e5	59		NO	0.9625	1.025	41.28			1.000	YES			61.9	
32	Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES			71.2	
33	13C4-Hexachlorobutadi...	2.65e6	2.88e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorobenz...	1.62e6	2.88e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	789	78.9	0.240	
35	13C6-Alpha-BHC	6.35e5	2.88e6	62	0.81	NO	0.2553	1.025	23.66	23.64	0.893	0.893	NO	842	86.3	4.43	



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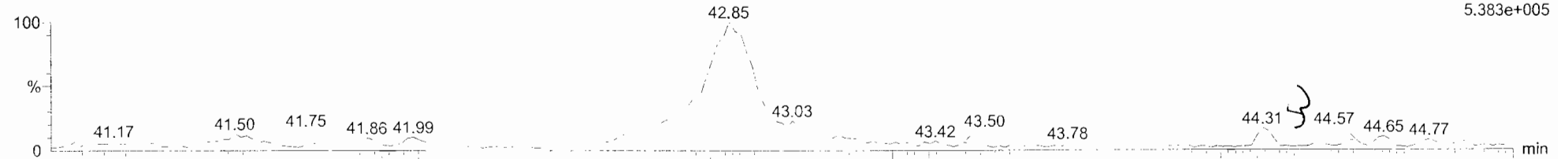
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Name: 191023K3_9, Date: 24-Oct-2019, Time: 12:09:45, ID: 1903285-10PDI-106SG-00-01-190924 2.77, Description: PDI-106SG-00-01-190924

EA-EK

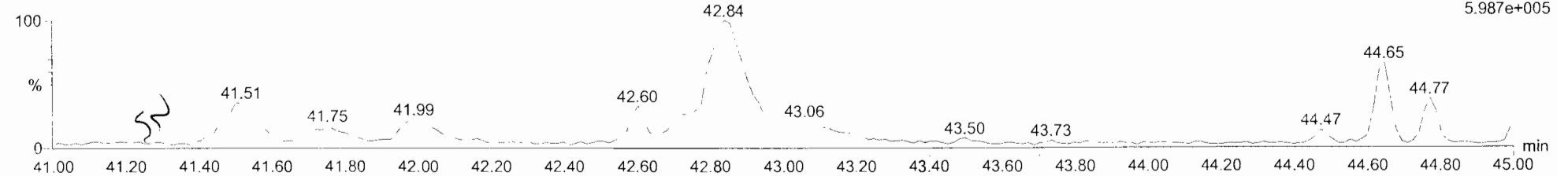
191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

F5:Voltage SIR,EI+
247.8521
5.383e+005



191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

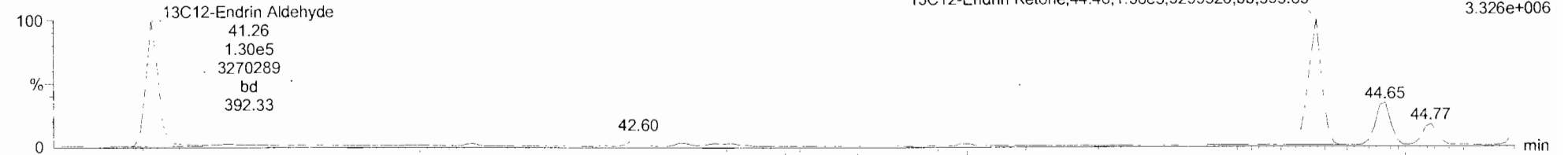
F5:Voltage SIR,EI+
249.8491
5.987e+005



EA-EK-isotopes

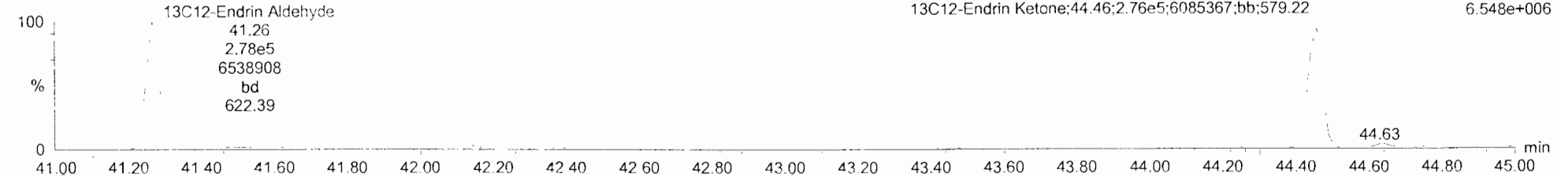
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PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

F5:Voltage SIR,EI+
253.8722
3.326e+006
13C12-Endrin Ketone;44.46;1.38e5;3299526;bb;395.83

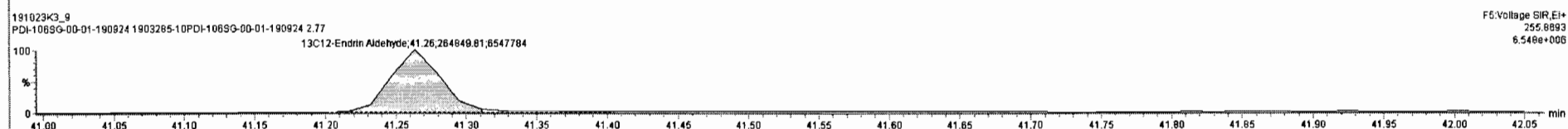
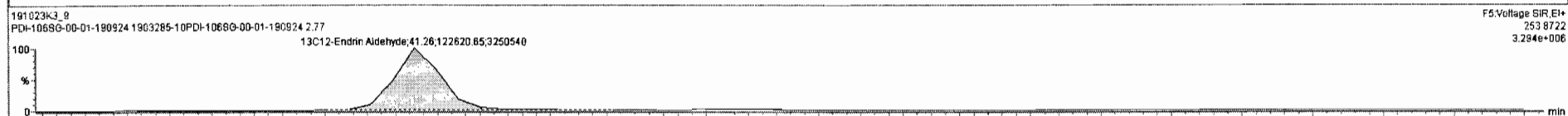
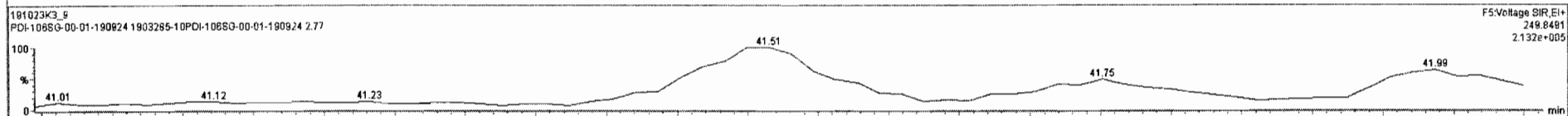
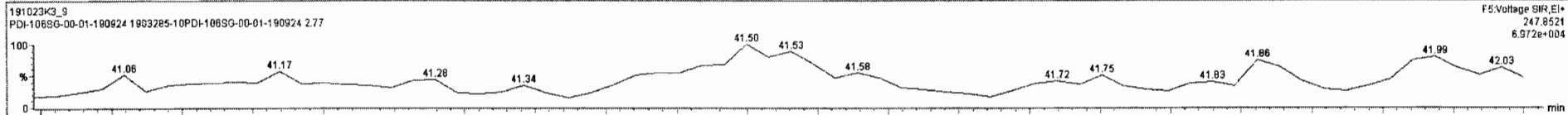


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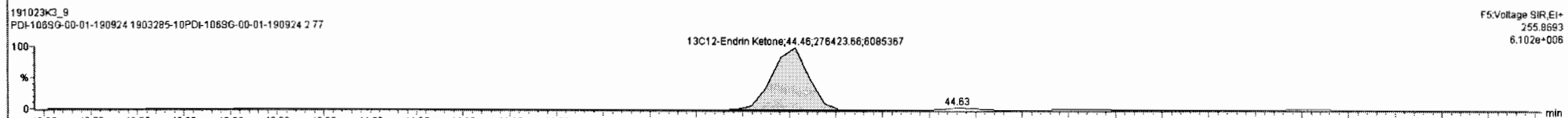
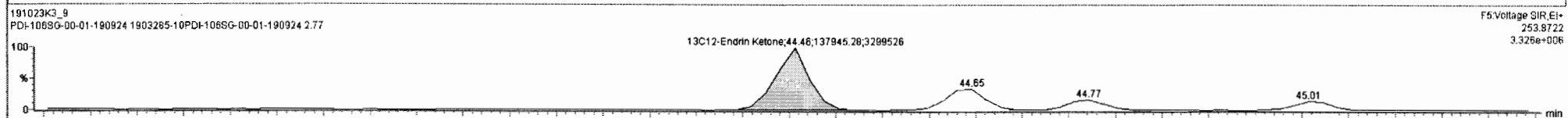
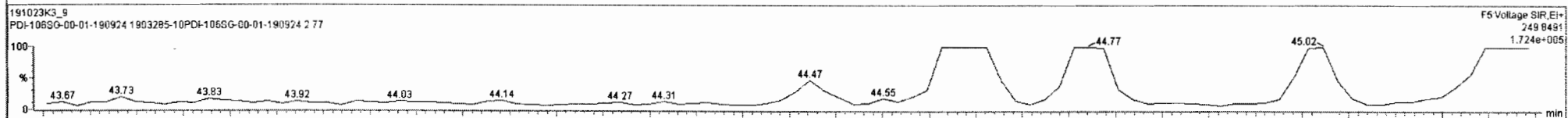
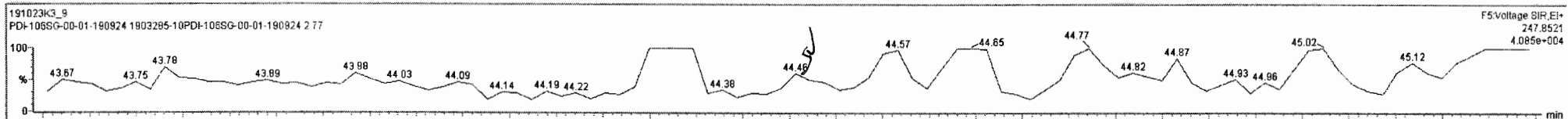
F5:Voltage SIR,EI+
255.8693
6.548e+006
13C12-Endrin Ketone;44.46;2.76e5;6085367;bb;579.22



#	Name	Resp	IS Resp	ISF	RA	My	RRF	wt/mol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE	6.87e5	1.85e6	46	1.25	NO	0.7575	1.025	36.18	36.18	1.000	1.000	NO	521		2.60	521
19	4,4'-DDE	4.96e6	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		3.75e4	49		NO	0.9018	1.025	39.13			1.000	NO				110
22	cis-Nonachlor	5.80e3	6.90e4	50	1.72	NO	0.9134	1.025	39.42	39.43	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan II (beta)		2.02e4	51		NO	1.0260	1.025	40.14			1.000	YES				144
24	2,4'-DDD	6.98e6	1.24e6	52	1.55	NO	0.8901	1.025	38.37	38.39	1.000	1.000	NO	6200		6.66	6200
25	2,4'-DDT	1.14e5	8.42e5	53	1.55	NO	0.8645	1.025	39.50	39.51	1.001	1.000	NO	152		11.6	152
26	4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
27	4,4'-DDT	1.32e6	6.59e5	55	1.55	NO	0.9739	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate		2.40e4	56		NO	0.8958	1.025	41.66			1.000	NO				144
29	4,4'-Methoxychlor		6.73e6	57		NO	1.1019	1.025	43.74			1.000	NO				36.9
30	Mirex	5.75e3	2.54e5	58	0.46	YES	0.8698	1.025	44.35	44.35	1.000	1.000	NO	25.4		12.2	13.1
31	Endrin Aldehyde		3.97e5	59		NO	0.8625	1.025	41.28			1.000	YES				81.9
32	Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES				71.2
33	13C4-Hexachlorobutadi...	2.85e6	2.88e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorobenz...	1.62e6	2.88e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	769	78.9	0.240	



#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc	%Rec	DL	EMPC
19	4,4'-DDE	4.95e6	9.86e5	47	1.25	NO	0.7713	1.025	37.25	37.25	1.000	1.000	NO	6370		4.07	6370
20	Dieldrin	1.60e4	1.34e5	48	1.19	NO	0.9273	1.025	37.75	37.76	1.001	1.000	NO	125		27.2	125
21	Endrin		3.75e4	49		NO	0.9018	1.025	39.13			1.000	NO			110	
22	cis-Nonachlor	5.80e3	6.90e4	50	1.72	NO	0.9134	1.025	39.42	39.42	1.000	1.000	NO	89.8		48.4	89.8
23	Endosulfan II (beta)		2.02e4	51		NO	1.0280	1.025	40.14			1.000	YES			144	
24	2,4'-DDD	6.99e6	1.24e6	52	1.55	NO	0.8901	1.025	36.37	36.39	1.000	1.000	NO	6200		6.66	6200
25	2,4'-DDT		1.14e5	53	1.55	NO	0.8645	1.025	39.50	39.51	1.001	1.000	NO	152		11.8	152
26	4,4'-DDD	2.01e7	1.14e6	54	1.54	NO	0.9710	1.025	39.64	39.63	1.000	1.000	NO	17700		6.43	17700
27	4,4'-DDT	1.32e6	6.59e5	55	1.55	NO	0.9738	1.025	40.71	40.70	1.000	1.000	NO	2010		11.2	2010
28	Endosulfan Sulfate		2.40e4	56		NO	0.8958	1.025	41.86			1.000	NO			144	
29	4,4'-Methoxychlor		6.73e6	57		NO	1.1019	1.025	43.74			1.000	NO			36.9	
30	Mirex	5.59e3	2.54e5	58	0.52	YES	0.8698	1.025	44.35	44.35	1.000	1.000	NO	24.5		12.2	13.7
31	Endrin Aldehyde		3.87e5	59		NO	0.9625	1.025	41.28			1.000	YES			61.9	
32	Endrin Ketone		4.14e5	60		NO	0.8673	1.025	44.46			1.000	YES			71.2	
33	13C4-Hexachlorobutadi...	2.65e6	2.89e6	62	1.26	NO	0.1473	1.025	10.35	10.35	0.391	0.391	NO	6090	62.4	1.60	
34	13C6-Hexachlorobenz...	1.62e6	2.89e6	62	1.27	NO	0.7104	1.025	23.11	23.11	0.873	0.873	NO	769	78.9	0.240	
35	13C5-Alpha-BHC	6.35e5	2.89e6	62	0.81	NO	0.2553	1.025	23.66	23.64	0.893	0.893	NO	842	86.3	4.43	



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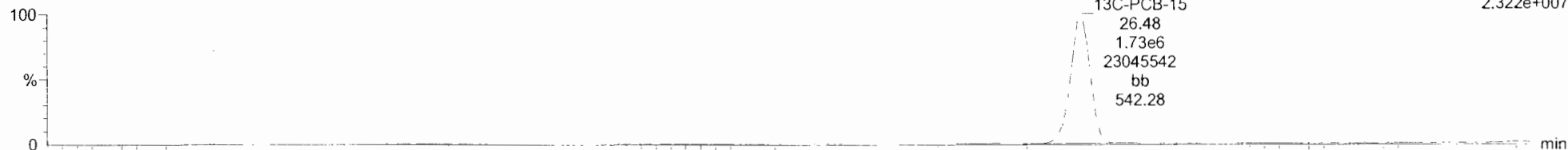
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13C-PCB-15

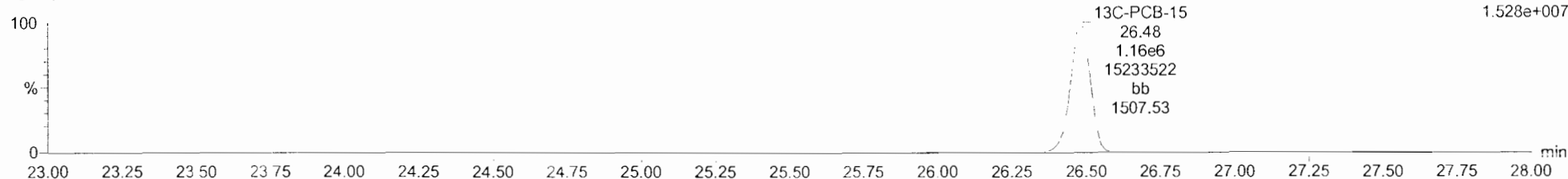
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F2:Voltage SIR,EI+
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2.322e+007



191023K3_9
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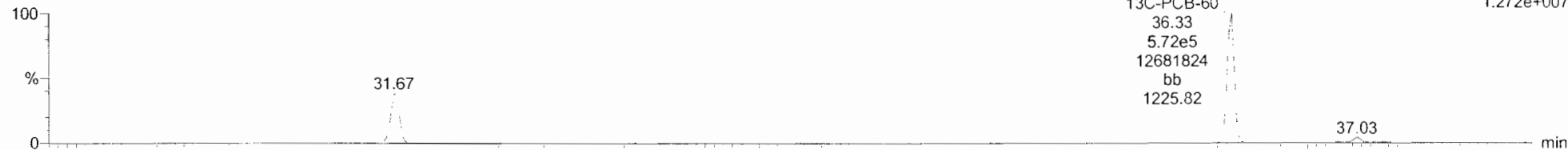
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236.0376
1.528e+007



13C-PCB-60

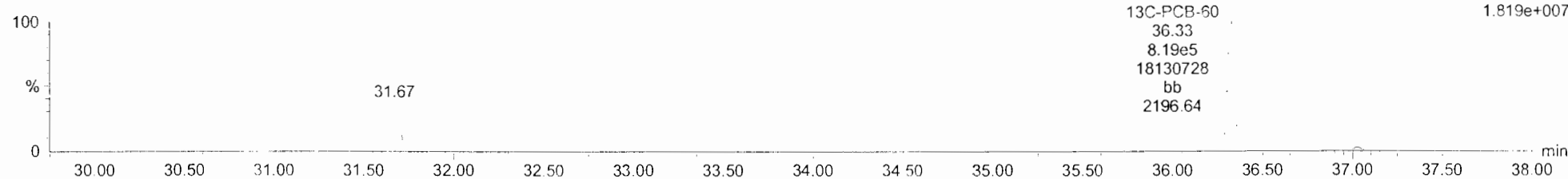
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F3:Voltage SIR,EI+
301.9626
1.272e+007



191023K3_9
PDI-106SG-00-01-190924 1903285-10PDI-106SG-00-01-190924 2.77

F3:Voltage SIR,EI+
303.9597
1.819e+007



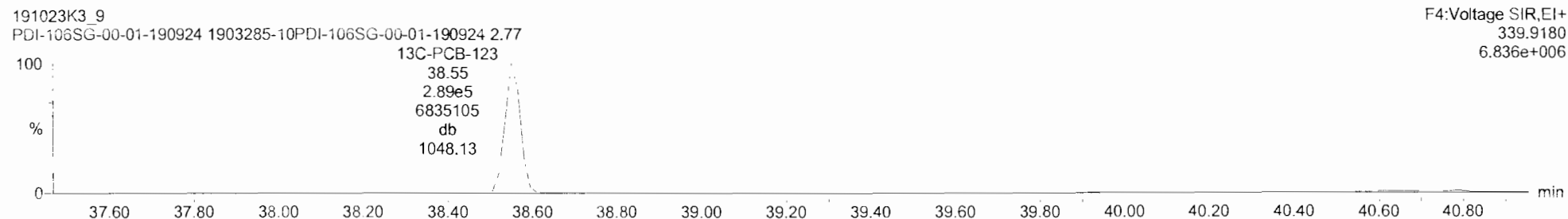
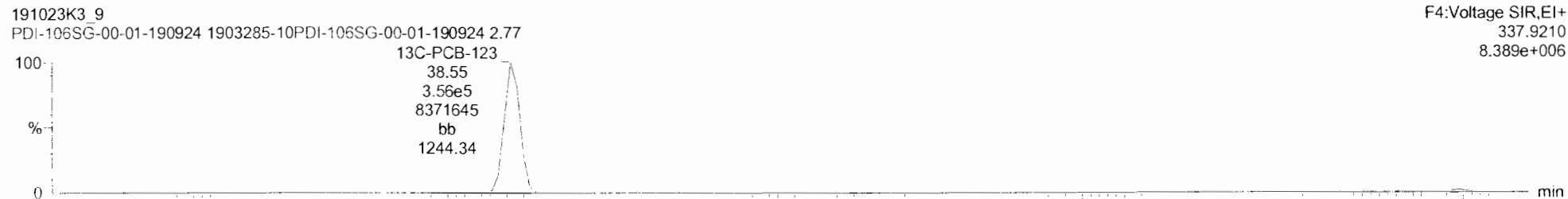
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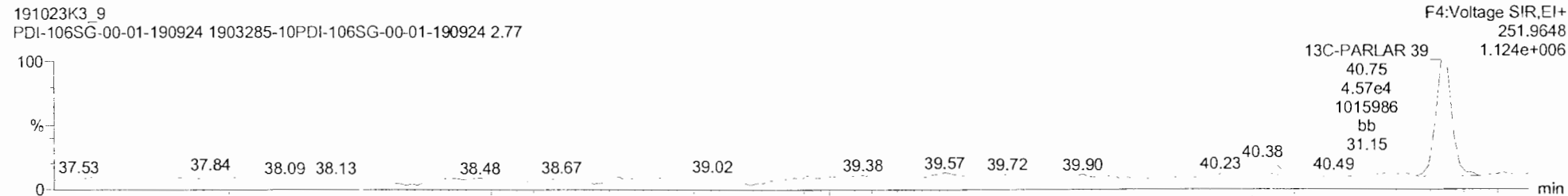
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13C-PCB-123



13C-PARLAR 39



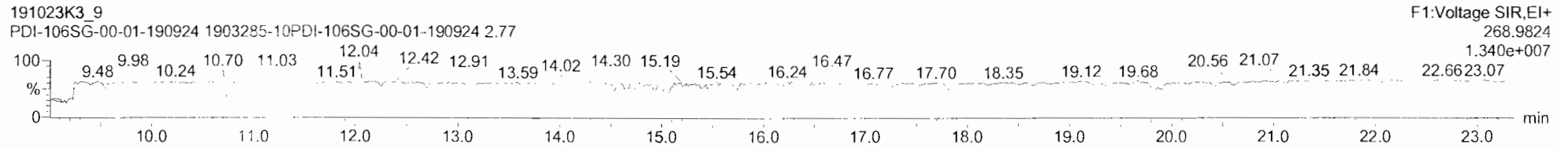
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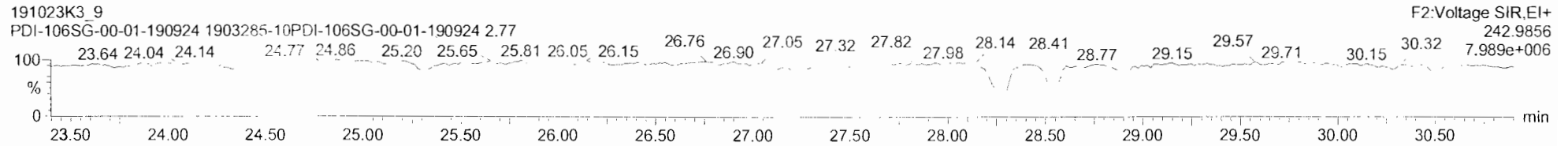
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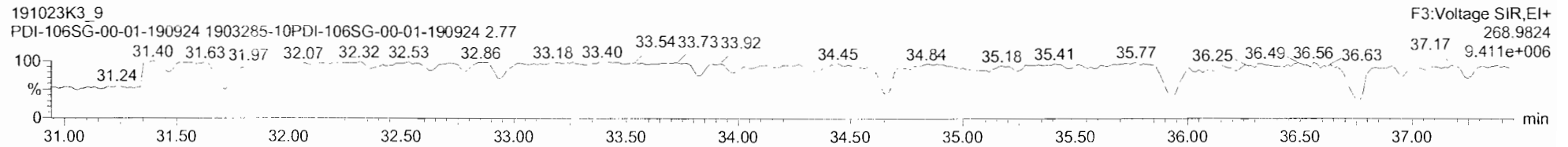
PFK1



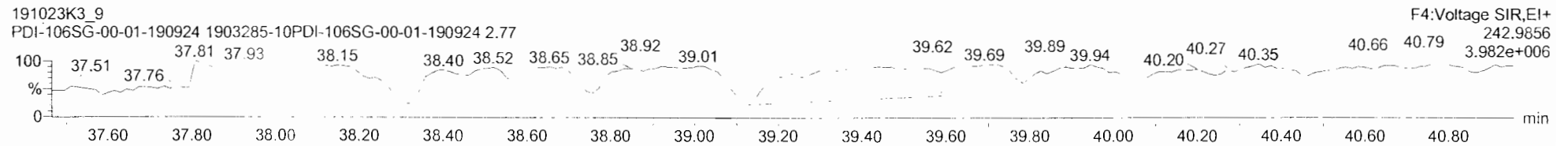
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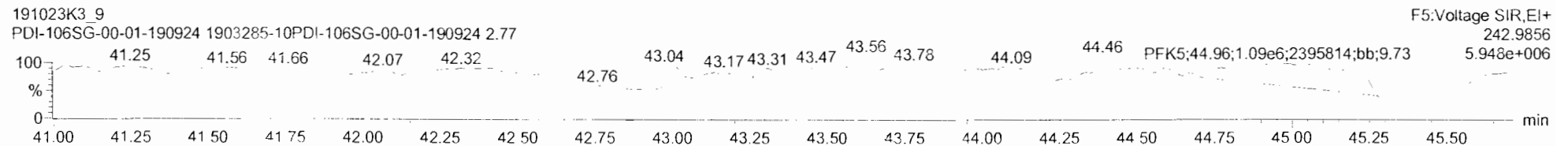
PFK3



PFK4



PFK5



CONTINUING CALIBRATION

HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191011DZ-1

Reviewed By: OT 10/15/19
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u> </u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>DB</u>	<u> </u>

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

CCAL ID: ST191011D2-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191011D2 S#1 Analysis Date: 12-OCT-19 Time: 01:18:50

NATIVE ANALYTES	M/Z'S	ION	QC	Pass	CONC.	CONC.
	FORMING	ABUND.	LIMITS		FOUND	RANGE (3)
	RATIO (1)	RATIO	(2)			(ng/mL)
2,3,7,8-TCDD	M/M+2	0.74	0.65-0.89	y	11.2	7.8 - 12.9
						8.2 - 12.3 (4)
1,2,3,7,8-PeCDD	M/M+2	0.63	0.54-0.72	y	49.8	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.24	1.05-1.43	y	51.0	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.25	1.05-1.43	y	49.9	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05-1.43	y	51.7	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88-1.20	y	50.4	43.0 - 58.0
OCDD	M+2/M+4	0.90	0.76-1.02	y	103	79.0 - 126.0
2,3,7,8-TCDF	M/M+2	0.77	0.65-0.89	y	9.47	8.4 - 12.0
						8.6 - 11.6 (4)
1,2,3,7,8-PeCDF	M+2/M+4	1.59	1.32-1.78	y	49.0	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.58	1.32-1.78	y	48.6	41.0 - 61.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05-1.43	y	49.8	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05-1.43	y	51.1	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.25	1.05-1.43	y	51.5	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.27	1.05-1.43	y	50.2	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.00	0.88-1.20	y	47.6	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.02	0.88-1.20	y	47.7	43.0 - 58.0
OCDF	M+2/M+4	0.90	0.76-1.02	y	99.9	63.0 - 159.0

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/14/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191011D2 S#1 Analysis Date: 12-OCT-19 Time: 01:18:50

LABELED COMPOUNDS	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	Pass	CONC. FOUND	CONC. RANGE (ng/mL)
13C-2,3,7,8-TCDD	M/M+2	0.81	0.65-0.89	y	101	82.0 - 121.0
13C-1,2,3,7,8-PeCDD	M/M+2	0.63	0.54-0.72	y	107	62.0 - 160.0
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05-1.43	y	90.1	85.0 - 117.0
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.28	1.05-1.43	y	95.9	85.0 - 118.0
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05-1.43	y	94.3	85.0 - 118.0
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88-1.20	y	97.0	72.0 - 138.0
13C-OCDD	M/M+2	0.89	0.76-1.02	y	180	96.0 - 415.0
13C-2,3,7,8-TCDF	M+2/M+4	0.78	0.65-0.89	y	102	71.0 - 140.0
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32-1.78	y	105	76.0 - 130.0
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.54	1.32-1.78	y	106	77.0 - 130.0
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	100.0	76.0 - 131.0
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.53	0.43-0.59	y	102	70.0 - 143.0
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.54	0.43-0.59	y	99.9	73.0 - 137.0
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.51	0.43-0.59	y	98.1	74.0 - 135.0
13C-1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.43	0.37-0.51	y	105	78.0 - 129.0
13C-1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.42	0.37-0.51	y	100	77.0 - 129.0
13C-OCDF	M+2/M+4	0.88	0.76-1.02	y	184	96.0 - 415.0
CLEANUP STANDARD (3) 37Cl-2,3,7,8-TCDD					9.22	7.9 - 12.7

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/14/19

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 10-9-19

RT Window Data Filename: 191011D2 S#1 Analysis Date: 12-OCT-19 Time: 01:18:50

ZB-5MS IS Data Filename: 191011D2 S#1 Analysis Date: 12-OCT-19 Time: 01:18:50

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	23:26	1,3,6,8-TCDF (F)	21:28
1,2,8,9-TCDD (L)	27:27	1,2,8,9-TCDF (L)	27:37
1,2,4,7,9-PeCDD (F)	28:58	1,3,4,6,8-PeCDF (F)	27:31
1,2,3,8,9-PeCDD (L)	31:20	1,2,3,8,9-PeCDF (L)	31:36
1,2,4,6,7,9-HxCDD (F)	32:44	1,2,3,4,6,8-HxCDF (F)	32:12
1,2,3,7,8,9-HxCDD (L)	34:47	1,2,3,7,8,9-HxCDF (L)	35:13
1,2,3,4,6,7,9-HpCDD (F)	37:21	1,2,3,4,6,7,8-HpCDF (F)	37:01
1,2,3,4,6,7,8-HpCDD (L)	38:10	1,2,3,4,7,8,9-HpCDF (L)	38:46

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT BETWEEN COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: DB

Date: 10/14/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-SMS

VER Data Filename: 191011D2 S#1 Analysis Date: 12-OCT-19 Time: 01:18:50

Compounds Using 13C-1234-TCDD as RT Internal Standard

NATIVE ANALYTES	RETENTION TIME		RRT	QC LIMITS (1)
	REFERENCE			
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002	
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.000	0.999-1.002	
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003	
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.000	0.999-1.002	
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.000	0.999-1.002	
LABELED COMPOUNDS				
13C-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.976-1.043	
13C-1,2,3,7,8-PeCDD	13C-1,2,3,4-TCDD	1.189	1.000-1.567	
13C-2,3,7,8-TCDF	13C-1,2,3,4-TCDD	0.994	0.923-1.103	
13C-1,2,3,7,8-PeCDF	13C-1,2,3,4-TCDD	1.145	1.000-1.425	
13C-2,3,4,7,8-PeCDF	13C-1,2,3,4-TCDD	1.179	1.011-1.526	
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.989-1.052	

Analyst: DB

Date: 10/14/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191011D2 S#1 Analysis Date: 12-OCT-19 Time: 01:18:50

NATIVE ANALYTES	RETENTION TIME		RRT	RRT
	REFERENCE	RRT	QC LIMITS (1)	
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.001	0.999-1.001	
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.001	0.997-1.005	
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001	
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.001	0.999-1.001	
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.001	0.999-1.001	
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.001	0.998-1.004	
1,2,3,7,8,9-HxCDD	13C-1,2,3,7,8,9-HxCDD	1.001	0.998-1.004	
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.001	0.999-1.001	
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001	
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001	
OCDD	13C-OCDD	1.001	0.999-1.001	
OCDF	13C-OCDF	1.000	0.999-1.001	

LABELED COMPOUNDS

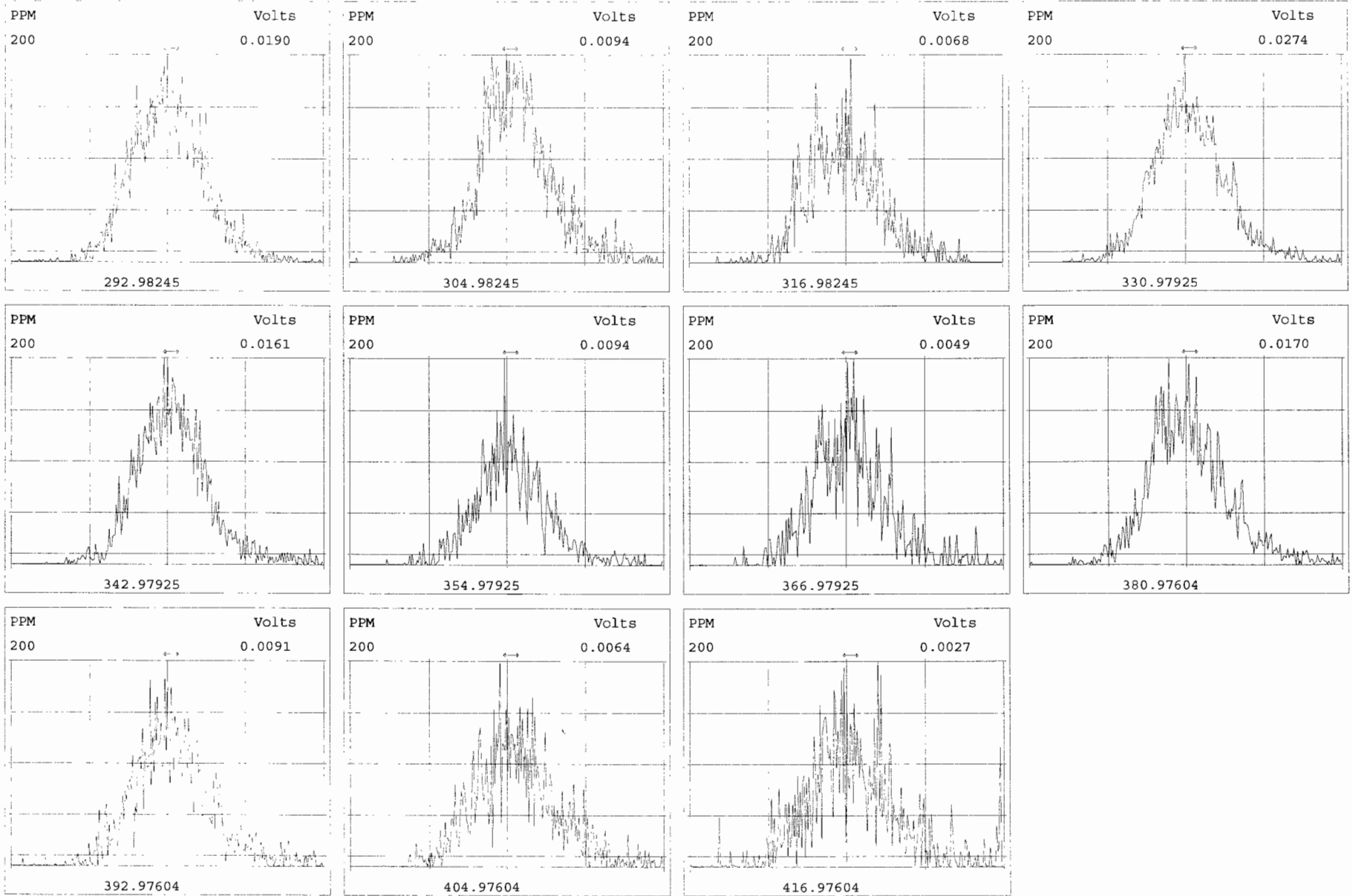
13C-1,2,3,4,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.987	0.975-1.001
13C-1,2,3,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.991	0.979-1.005
13C-2,3,4,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.010	1.001-1.020
13C-1,2,3,7,8,9-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.040	1.002-1.072
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.014	1.002-1.026
13C-1,2,3,6,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.018	1.007-1.029
13C-1,2,3,7,8,9-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.027	1.014-1.038
13C-1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.094	1.069-1.111
13C-1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.145	1.098-1.192
13C-1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,9-HxCDF	1.128	1.117-1.141
13C-OCDD	13C-1,2,3,4,6,9-HxCDF	1.228	1.085-1.365
13C-OCDF	13C-1,2,3,4,6,9-HxCDF	1.235	1.091-1.371

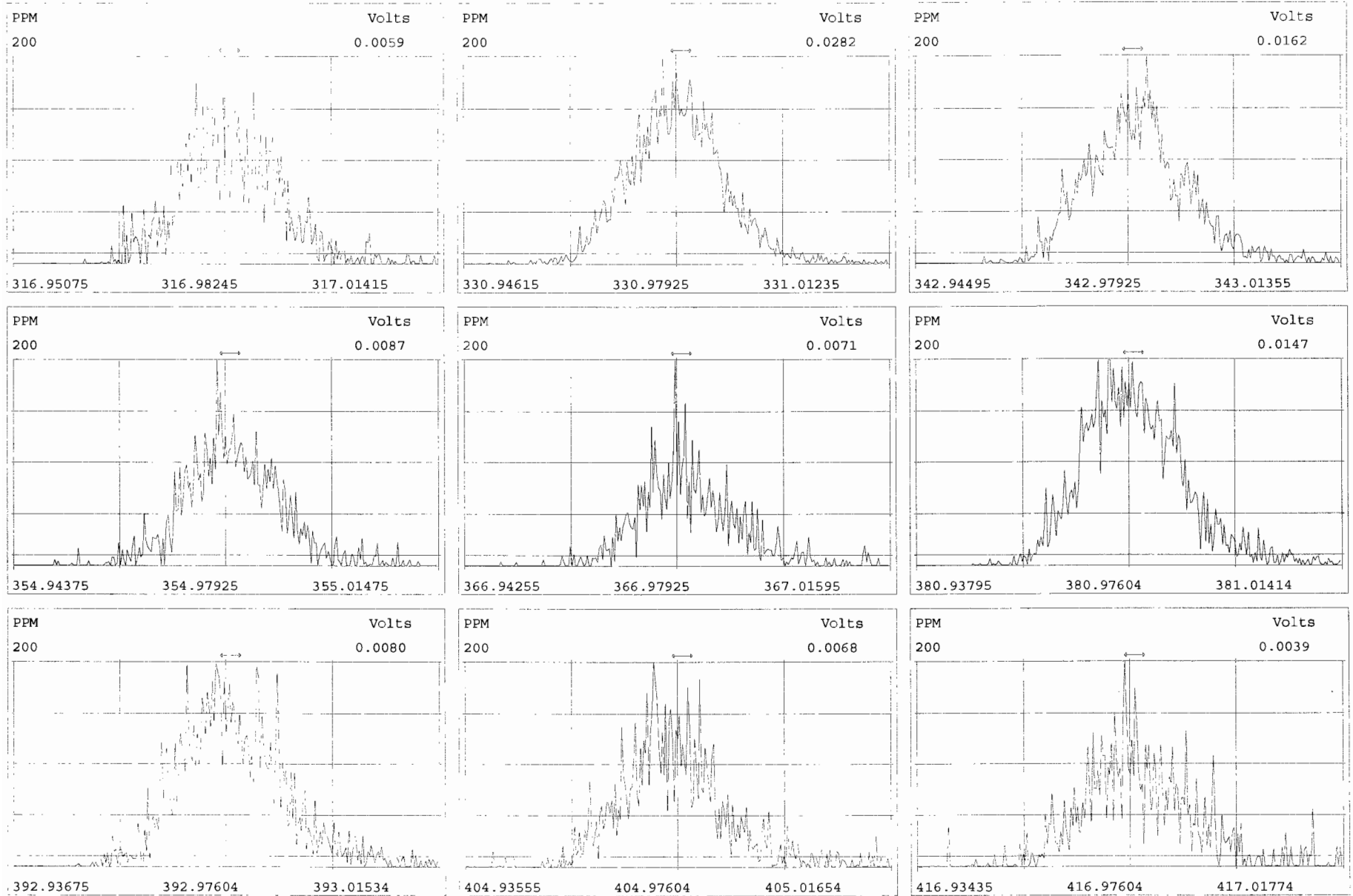
Analyst: DB

Date: 10/14/19

Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.42e+06	0.74 y	0.91	26:37	11.167			* 2.5	*	Total Tetra-Dioxins	75.7	76.3	*	*	
1,2,3,7,8-PeCDD	5.38e+06	0.63 y	0.90	30:59	49.802			* 2.5	*	Total Penta-Dioxins	180	181	*	*	
1,2,3,4,7,8-HxCDD	4.38e+06	1.24 y	1.10	34:20	51.011			* 2.5	*	Total Hexa-Dioxins	228	229	*	*	
1,2,3,6,7,8-HxCDD	5.18e+06	1.25 y	0.94	34:27	49.904			* 2.5	*	Total Hepta-Dioxins	118	120	*	*	
1,2,3,7,8,9-HxCDD	5.09e+06	1.26 y	0.96	34:47	51.671			* 2.5	*	Total Tetra-Furans	36.7	37.4	*	*	
1,2,3,4,6,7,8-HpCDD	4.22e+06	1.03 y	0.98	38:10	50.390			* 2.5	*	Total Penta-Furans	220.80	222.53	*	*	
OCDD	6.92e+06	0.90 y	0.96	41:34	102.73			* 2.5	*	Total Hexa-Furans	272	272	*	*	
										Total Hepta-Furans	96.5	98.0	*	*	
2,3,7,8-TCDF	1.76e+06	0.77 y	0.95	25:54	9.4687			* 2.5	*						
1,2,3,7,8-PeCDF	7.84e+06	1.59 y	0.96	29:50	48.964			* 2.5	*						
2,3,4,7,8-PeCDF	8.25e+06	1.58 y	1.01	30:43	48.584			* 2.5	*						
1,2,3,4,7,8-HxCDF	6.57e+06	1.24 y	1.18	33:25	49.801			* 2.5	*						
1,2,3,6,7,8-HxCDF	7.73e+06	1.25 y	1.07	33:33	51.136			* 2.5	*						
2,3,4,6,7,8-HxCDF	7.35e+06	1.25 y	1.11	34:11	51.452			* 2.5	*						
1,2,3,7,8,9-HxCDF	5.84e+06	1.27 y	1.06	35:13	50.243			* 2.5	*						
1,2,3,4,6,7,8-HpCDF	5.75e+06	1.00 y	1.13	37:01	47.601			* 2.5	*						
1,2,3,4,7,8,9-HpCDF	4.79e+06	1.02 y	1.28	38:46	47.746			* 2.5	*						
OCDF	8.09e+06	0.90 y	0.95	41:49	99.944			* 2.5	*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	1.40e+07	0.81 y	1.10	26:36	101.33					101					
IS 13C-1,2,3,7,8-PeCDD	1.20e+07	0.63 y	0.88	30:58	107.27					107					
IS 13C-1,2,3,4,7,8-HxCDD	7.79e+06	1.29 y	0.64	34:19	90.076					90.1					
IS 13C-1,2,3,6,7,8-HxCDD	1.11e+07	1.28 y	0.86	34:26	95.877					95.9					
IS 13C-1,2,3,7,8,9-HxCDD	1.03e+07	1.26 y	0.81	34:45	94.329					94.3					
IS 13C-1,2,3,4,6,7,8-HpCDD	8.55e+06	1.05 y	0.65	38:09	97.006					97.0					
IS 13C-OCDD	1.40e+07	0.89 y	0.58	41:33	179.87					89.9					
IS 13C-2,3,7,8-TCDF	1.96e+07	0.78 y	1.03	25:53	101.57					102					
IS 13C-1,2,3,7,8-PeCDF	1.67e+07	1.57 y	0.85	29:50	104.61					105					
IS 13C-2,3,4,7,8-PeCDF	1.67e+07	1.54 y	0.85	30:43	105.91					106					
IS 13C-1,2,3,4,7,8-HxCDF	1.12e+07	0.51 y	0.83	33:24	99.984					100.0					
IS 13C-1,2,3,6,7,8-HxCDF	1.41e+07	0.53 y	1.03	33:32	101.52					102					
IS 13C-2,3,4,6,7,8-HxCDF	1.28e+07	0.54 y	0.95	34:10	99.897					99.9					
IS 13C-1,2,3,7,8,9-HxCDF	1.09e+07	0.51 y	0.83	35:12	98.140					98.1					
IS 13C-1,2,3,4,6,7,8-HpCDF	1.07e+07	0.43 y	0.76	37:00	104.93					105					
IS 13C-1,2,3,4,7,8,9-HpCDF	7.84e+06	0.42 y	0.58	38:45	100.16					100					
IS 13C-OCDF	1.71e+07	0.88 y	0.69	41:48	184.10					92.1					
C/Up 37C1-2,3,7,8-TCDD	1.40e+06		1.20	26:37	9.2200					92.2					
RS/RT 13C-1,2,3,4-TCDD	1.27e+07	0.80 y	1.00	26:03	100.00						Integrations	Reviewed			
RS 13C-1,2,3,4-TCDF	1.87e+07	0.79 y	1.00	24:43	100.00						by <u>DB</u>	by <u>CT</u>			
RS/RT 13C-1,2,3,4,6,9-HxCDF	1.35e+07	0.53 y	1.00	33:50	100.00						Analyst: <u>DB</u>	Analyst: <u>CT</u>			
											Date: <u>10/14/19</u>	Date: <u>10/15/19</u>			

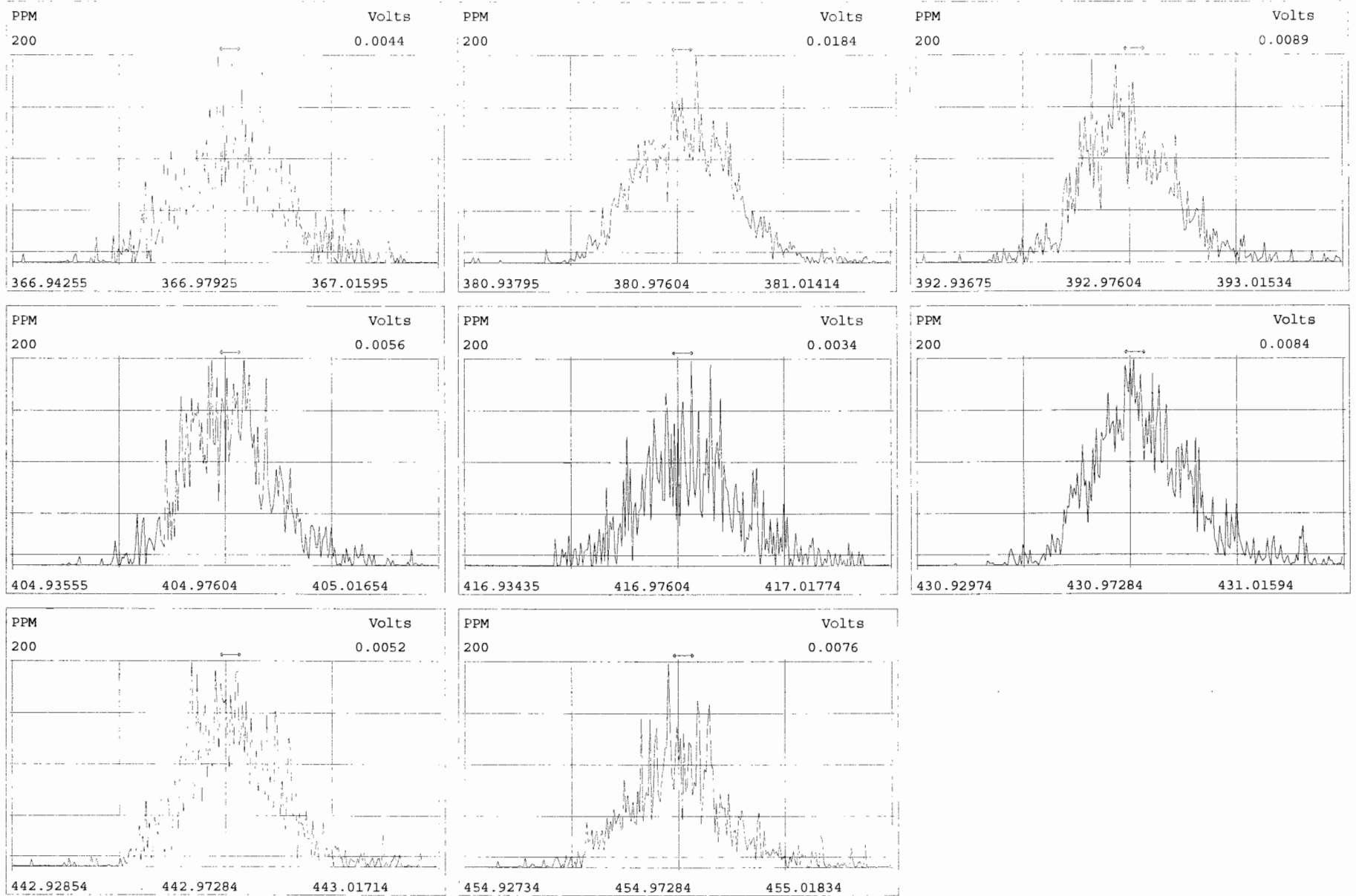
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191011D2	1	ST191011D2-1	DB	12-OCT-19	01:18:50	ST191011D2-1	NA
191011D2	2	B9J0041-BS1	DB	12-OCT-19	02:06:26	ST191011D2-1	NA
191011D2	3	SOLVENT BLANK	DB	12-OCT-19	02:53:58	ST191011D2-1	NA
191011D2	4	B9J0041-BLK1	DB	12-OCT-19	03:41:36	ST191011D2-1	NA
191011D2	5	1903259-01	DB	12-OCT-19	04:29:12	ST191011D2-1	NA
191011D2	6	1903259-02	DB	12-OCT-19	05:16:45	ST191011D2-1	NA
191011D2	7	1903259-03	DB	12-OCT-19	06:04:21	ST191011D2-1	NA
191011D2	8	1903419-01	DB	12-OCT-19	06:52:08	ST191011D2-1	NA
191011D2	9	1903285-01	DB	12-OCT-19	07:39:49	ST191011D2-1	NA
191011D2	10	1903285-02	DB	12-OCT-19	08:27:26	ST191011D2-1	NA
191011D2	11	1903285-03	DB	12-OCT-19	09:14:57	ST191011D2-1	NA
191011D2	12	1903285-04	DB	12-OCT-19	10:02:38	ST191011D2-1	NA
191011D2	13	1903285-05	DB	12-OCT-19	10:50:09	ST191011D2-1	NA
191011D2	14	1903285-06	DB	12-OCT-19	11:37:54	ST191011D2-1	NA
191011D2	15	1903285-07	DB	12-OCT-19	12:25:34	ST191011D2-1	NA

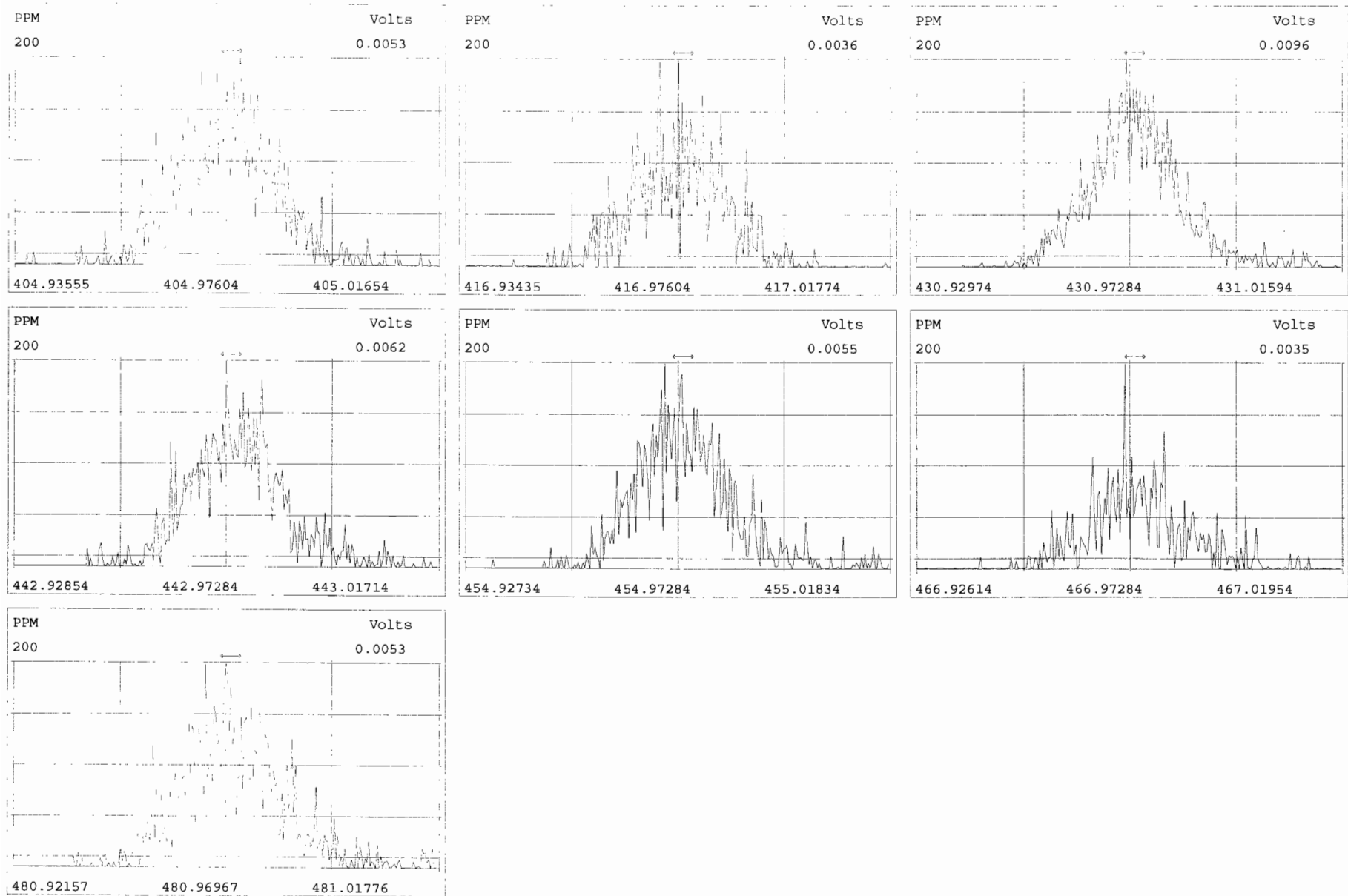


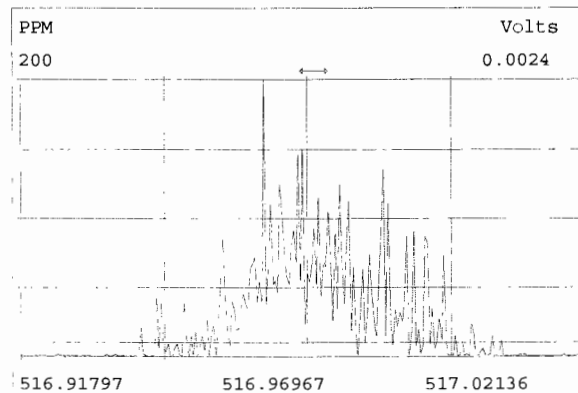
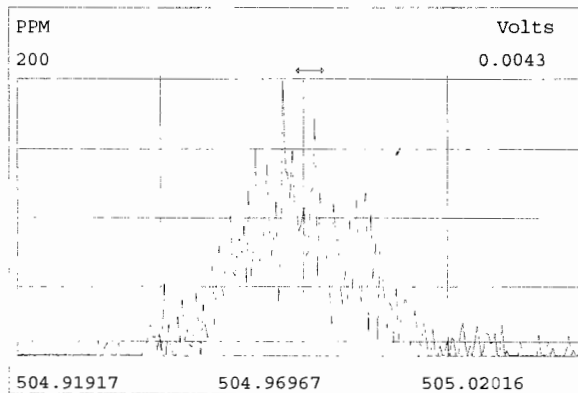
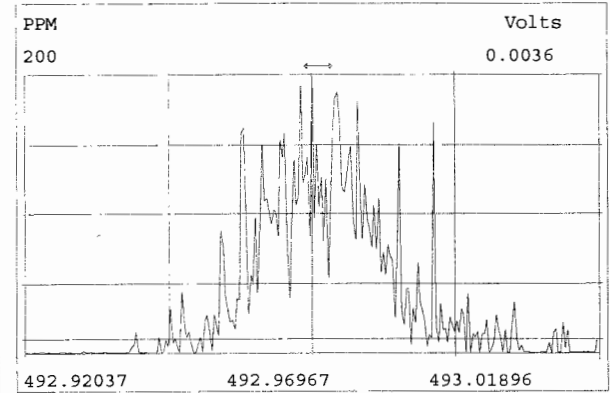
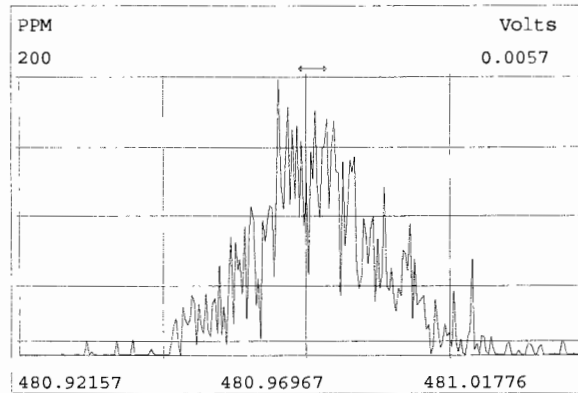
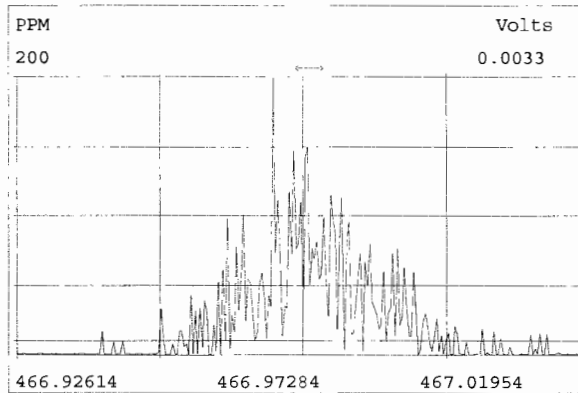
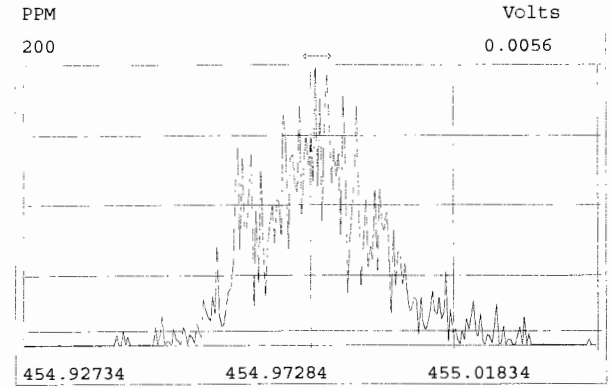
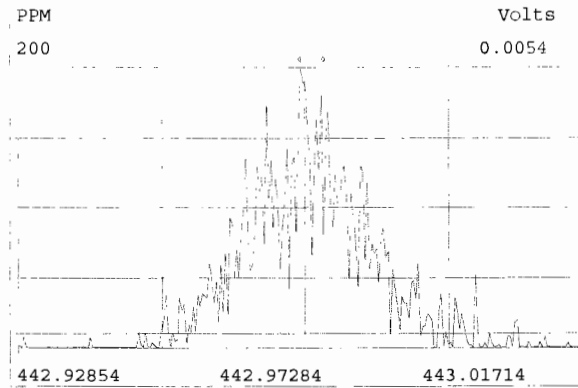
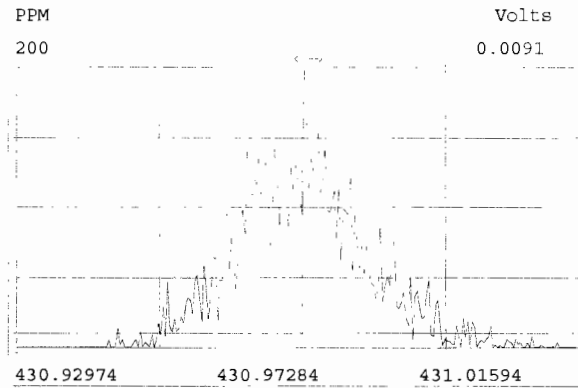


Peak Locate Examination:12-OCT-2019:01:16 File:RES_CHECK

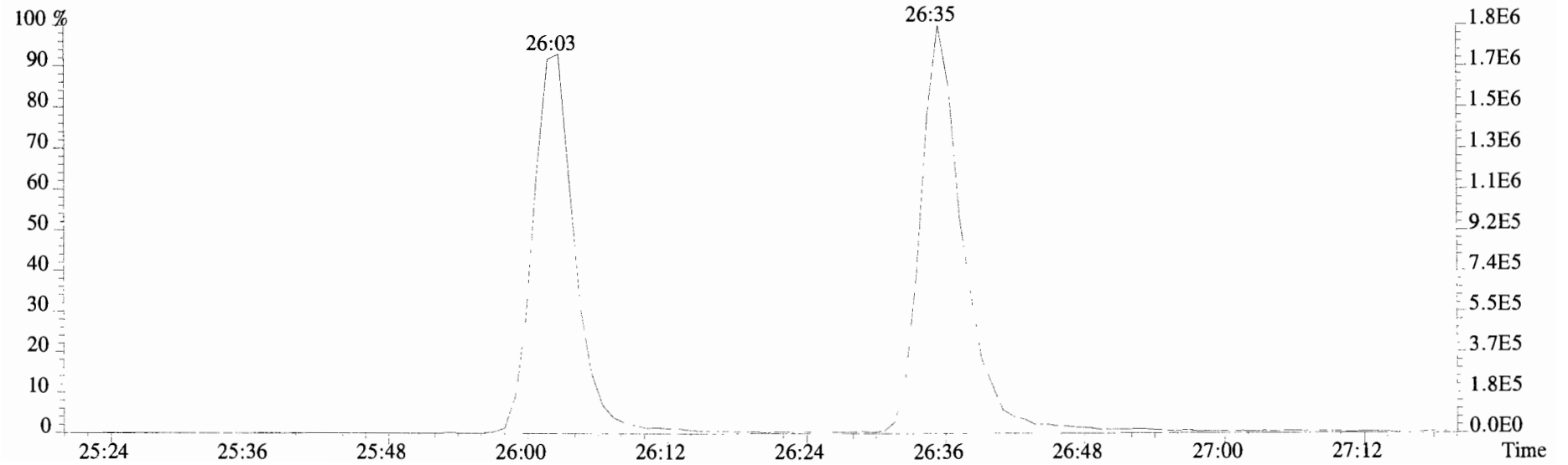
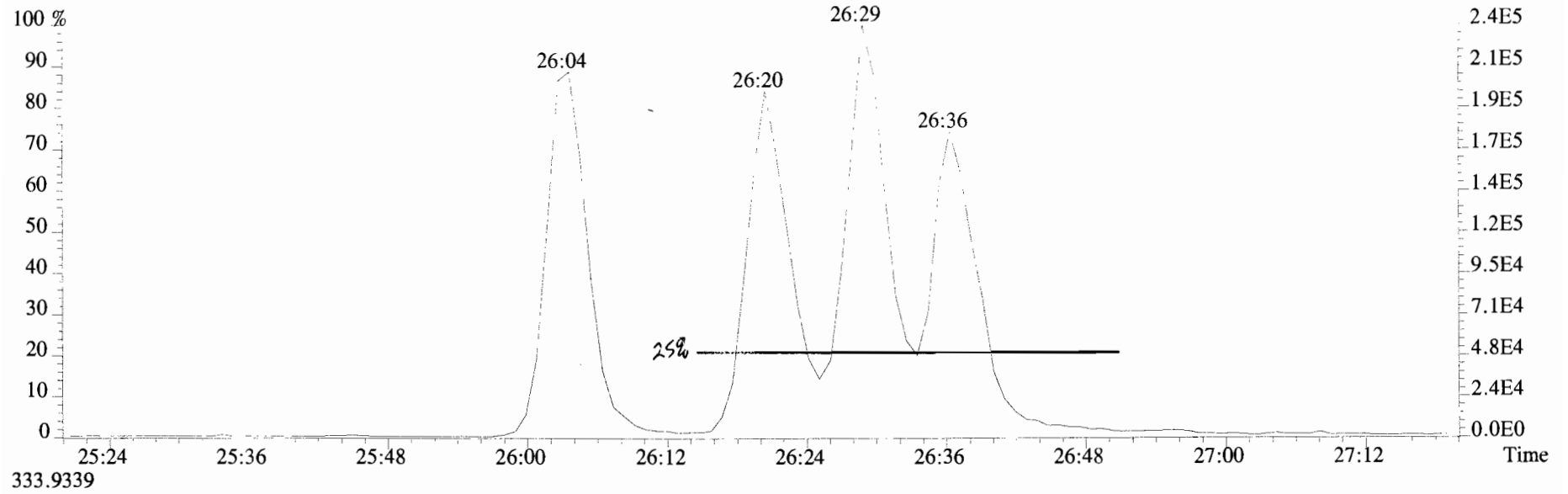
Experiment:OCDD_DB5 Function:3 Reference:PFK



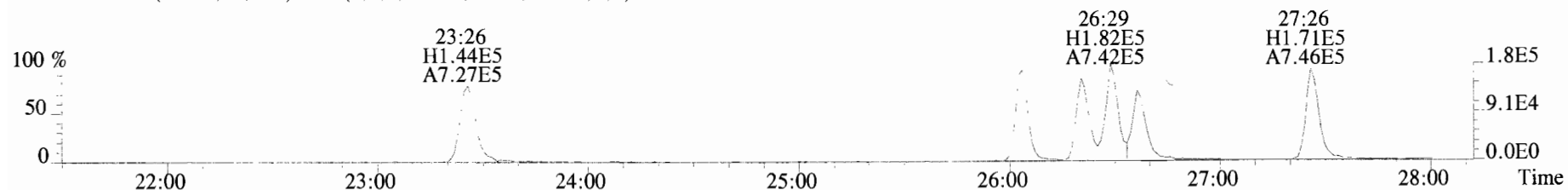




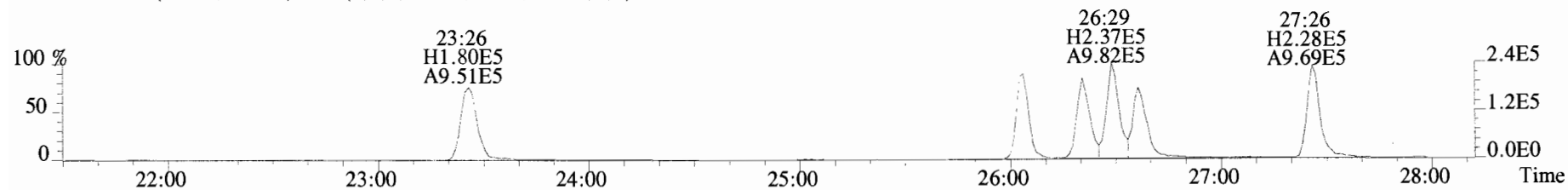
File:191011D2 #1-514 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
321.8936



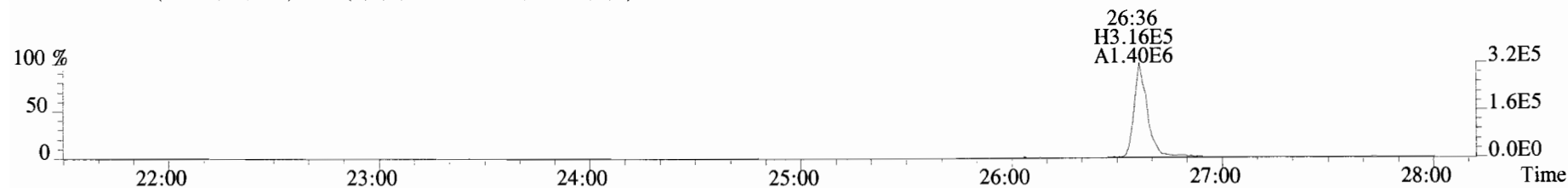
File:191011D2 #1-514 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



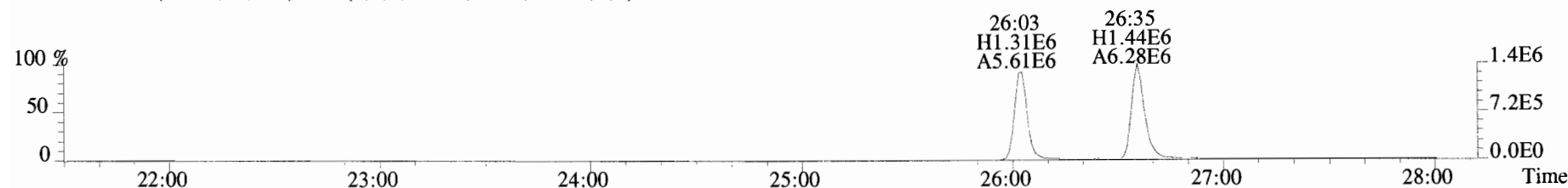
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



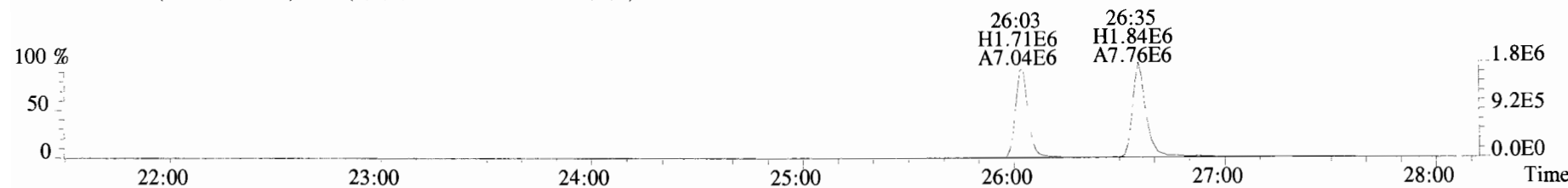
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



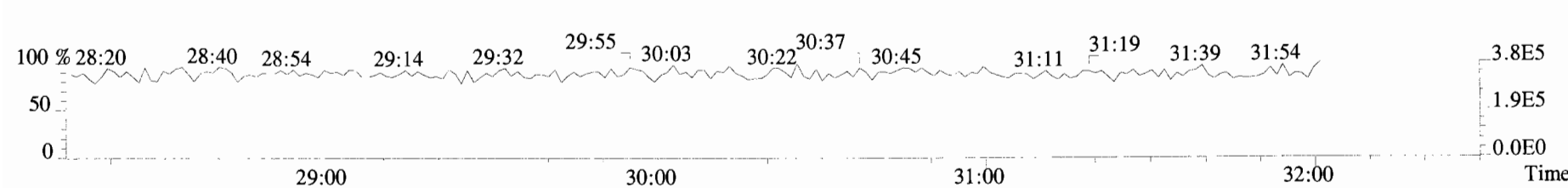
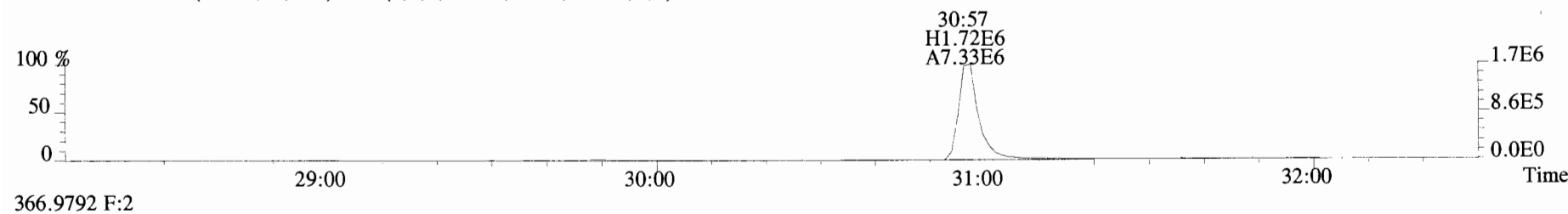
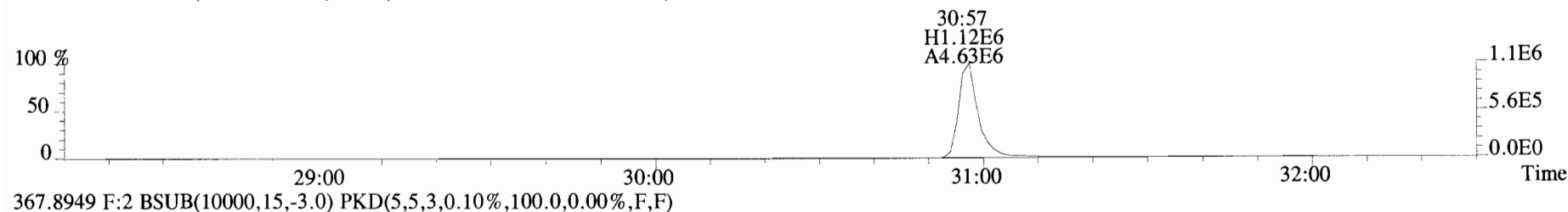
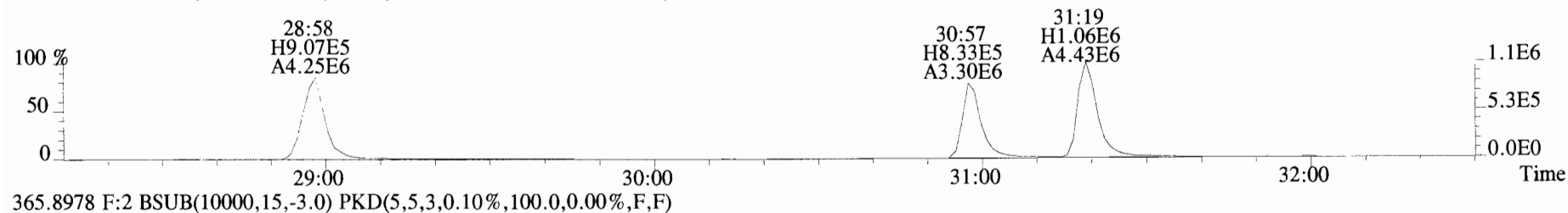
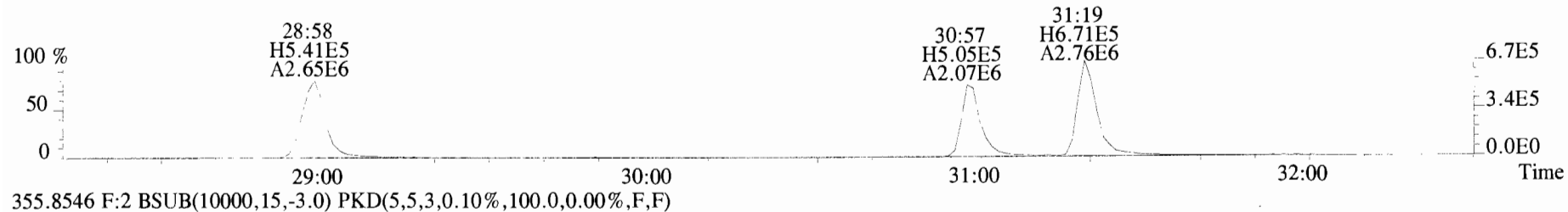
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



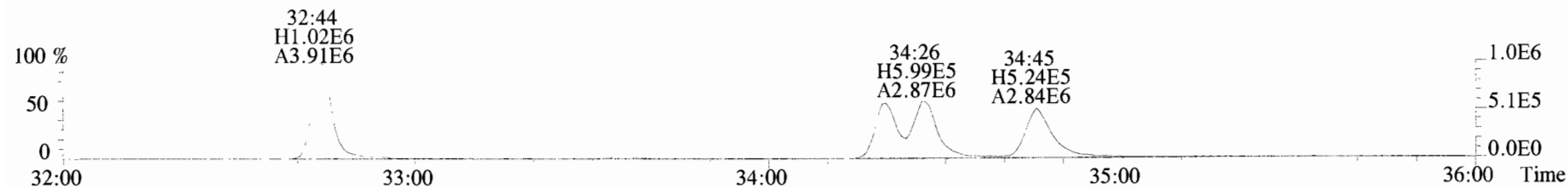
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



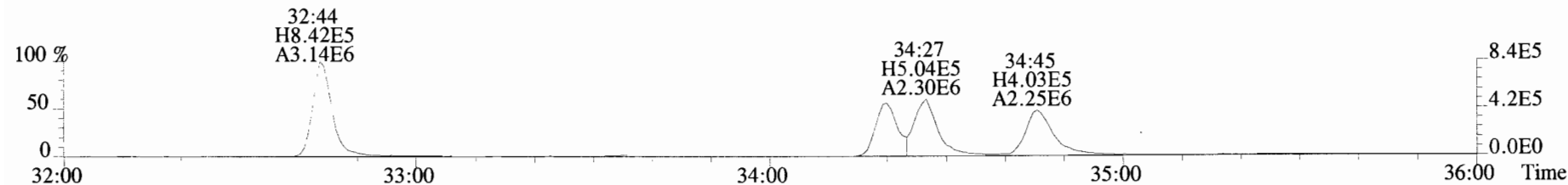
File:191011D2 #1-211 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



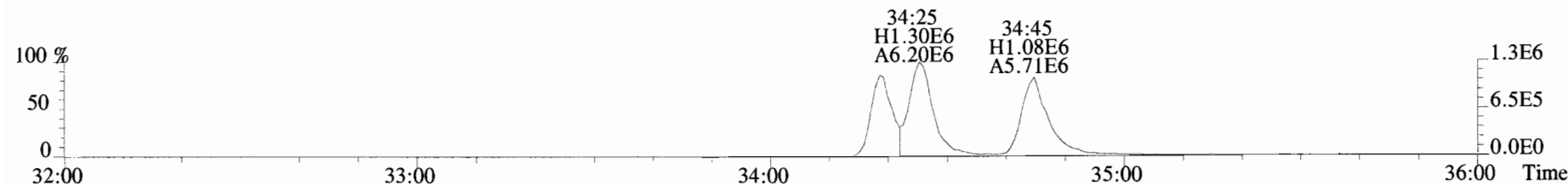
File:191011D2 #1-354 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



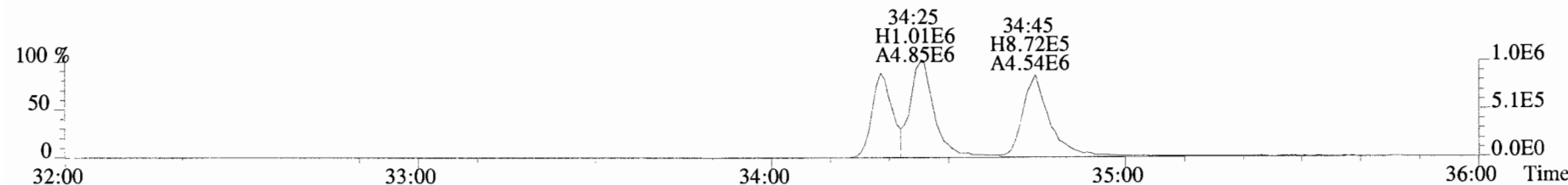
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



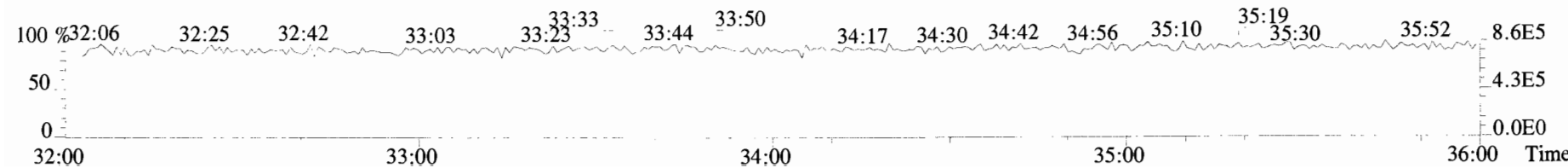
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



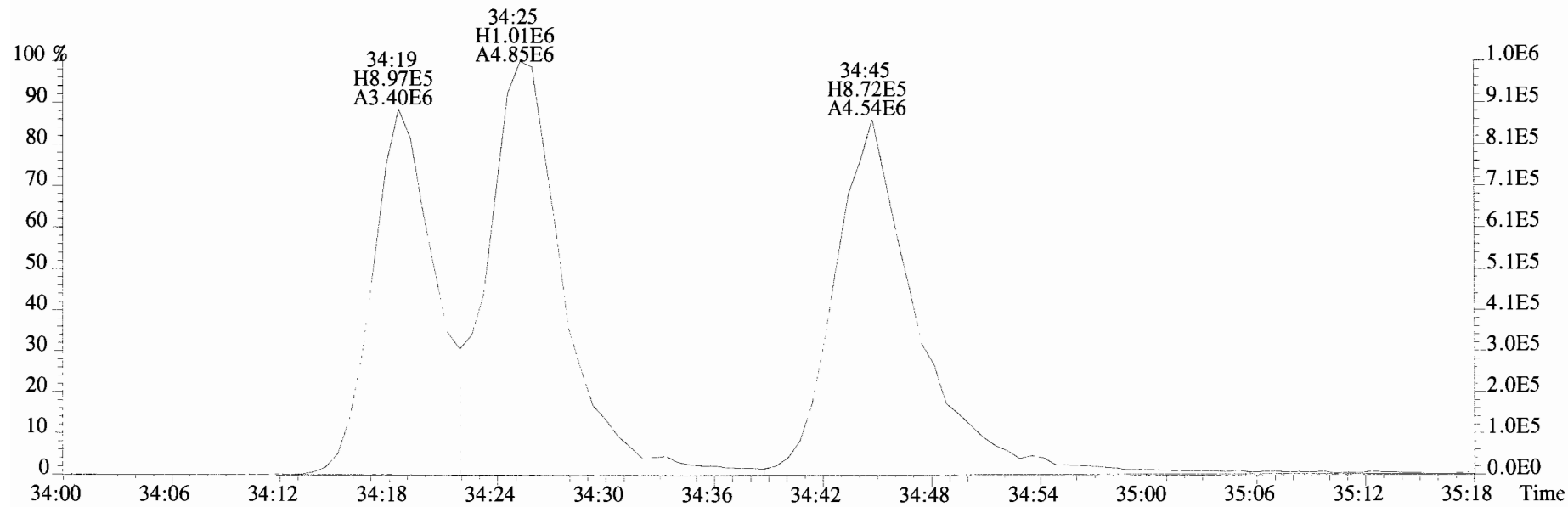
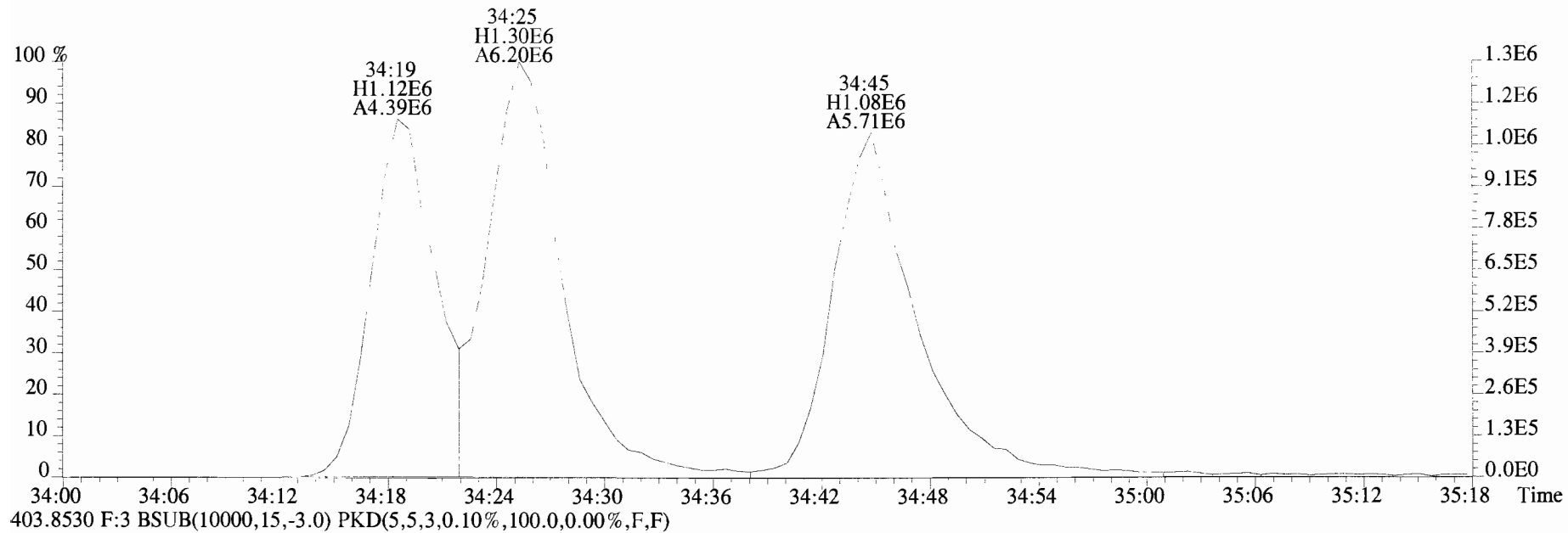
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



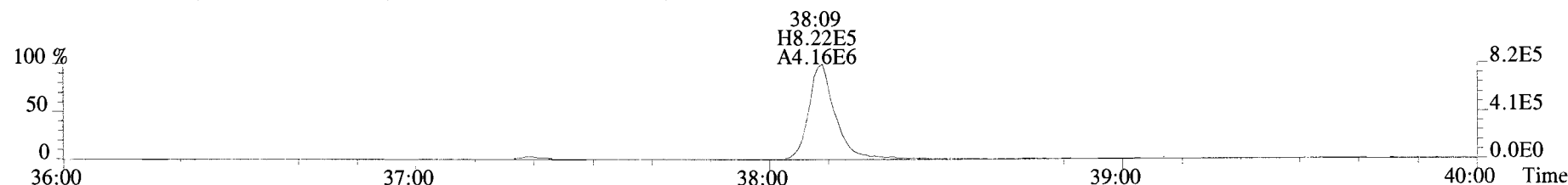
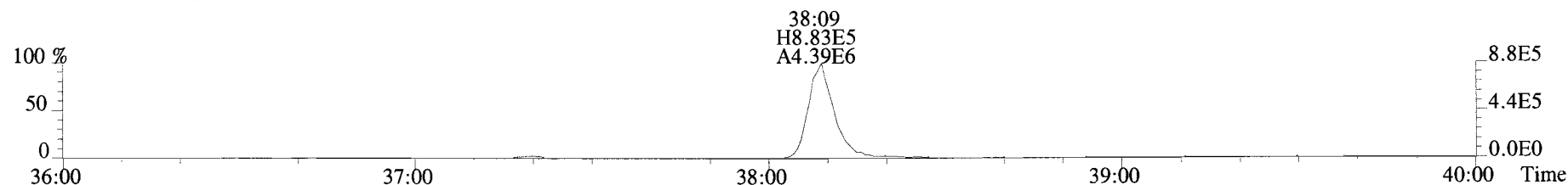
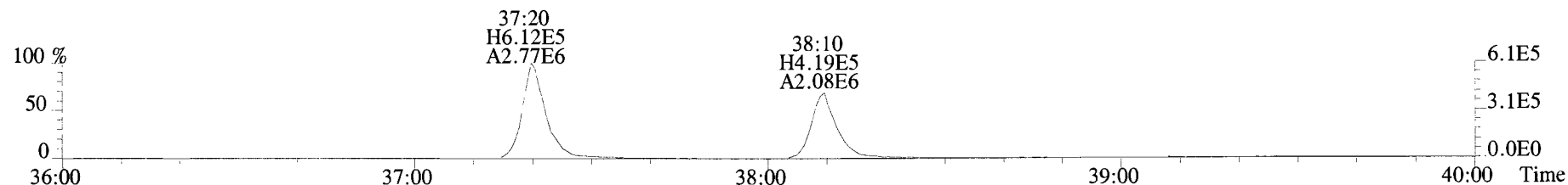
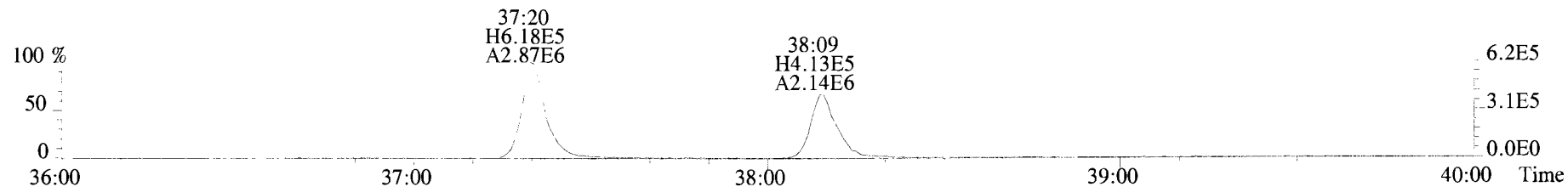
392.9760 F:3



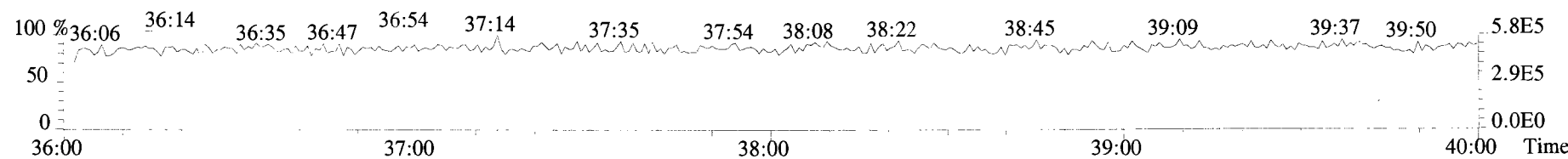
File:191011D2 #1-354 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



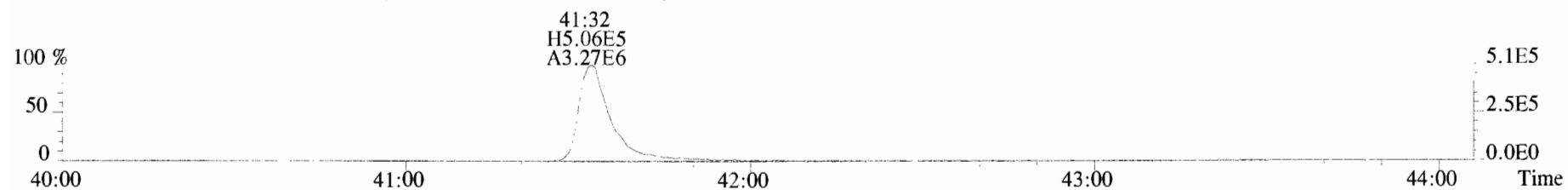
File:191011D2 #1-356 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



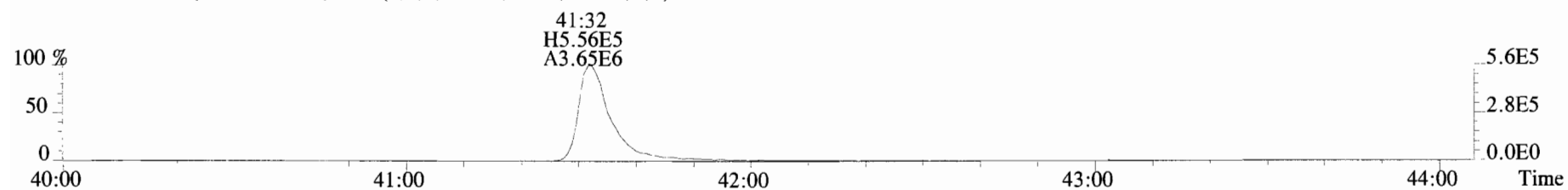
454.9728 F:4



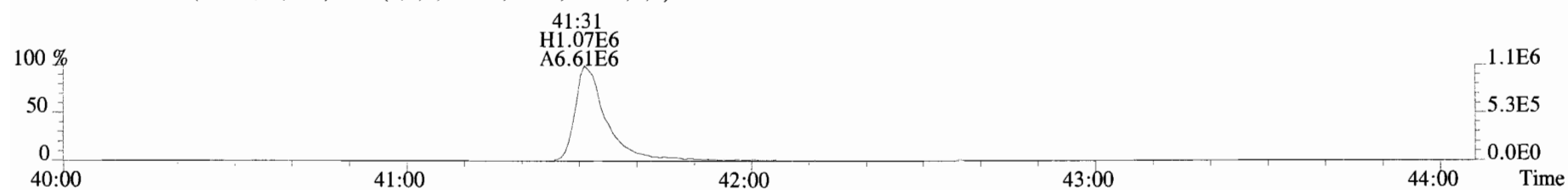
File:191011D2 #1-431 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



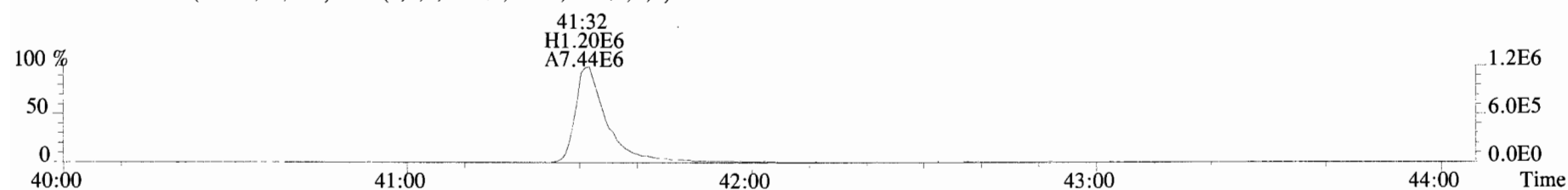
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



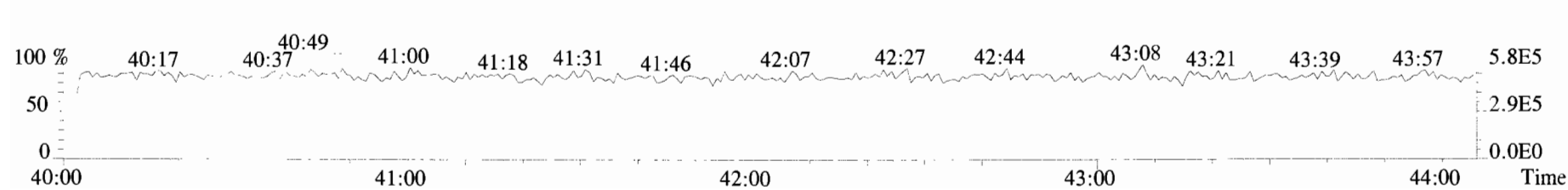
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



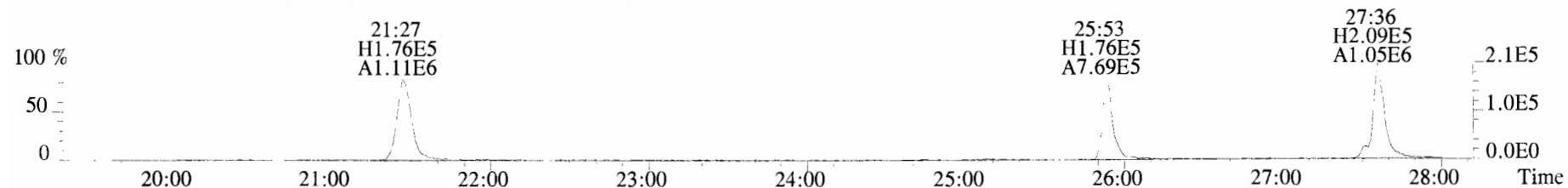
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



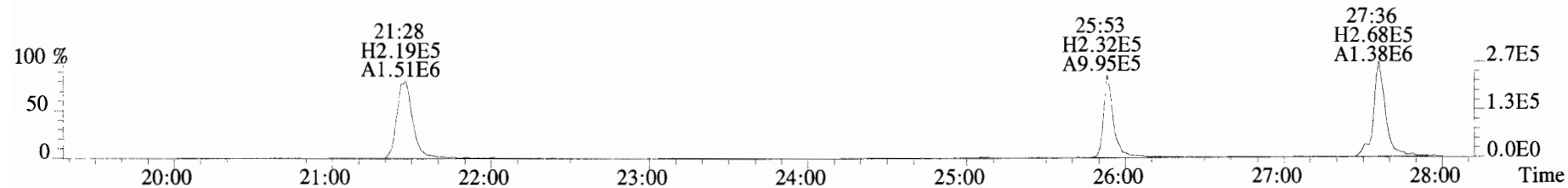
454.9728 F:5



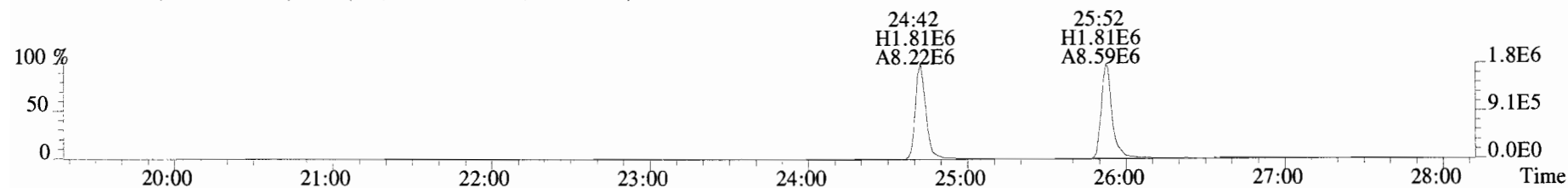
File:191011D2 #1-514 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



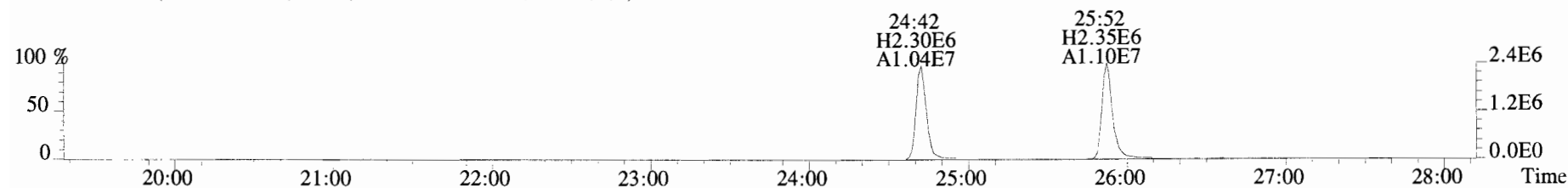
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



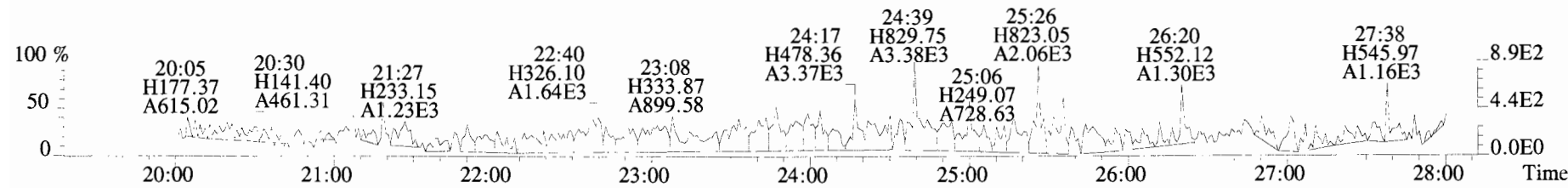
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



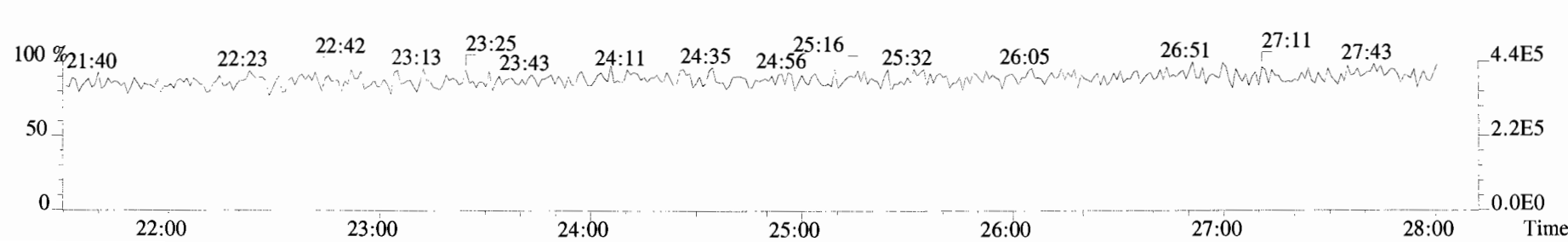
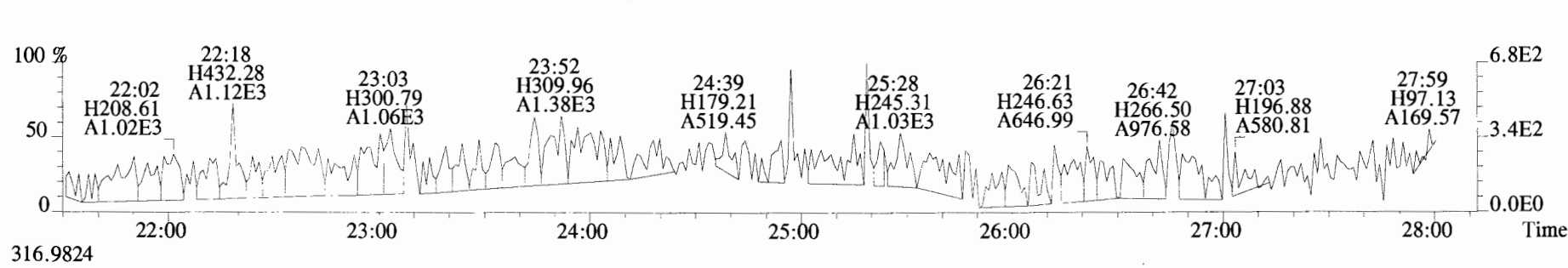
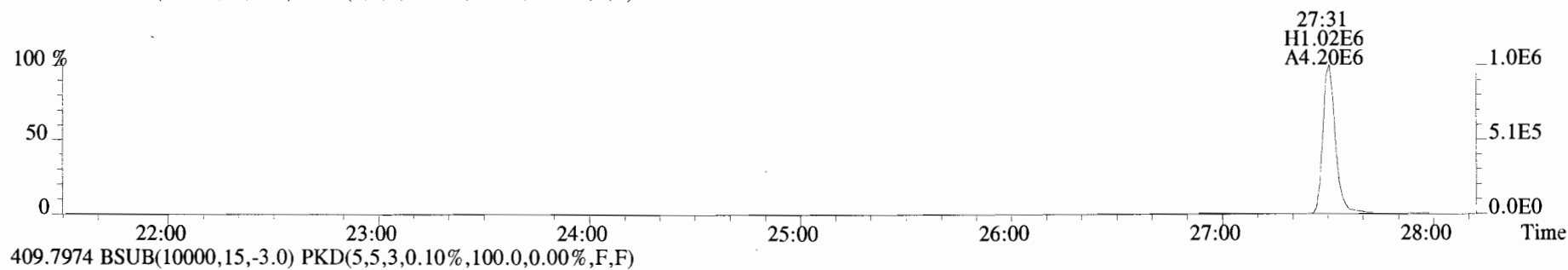
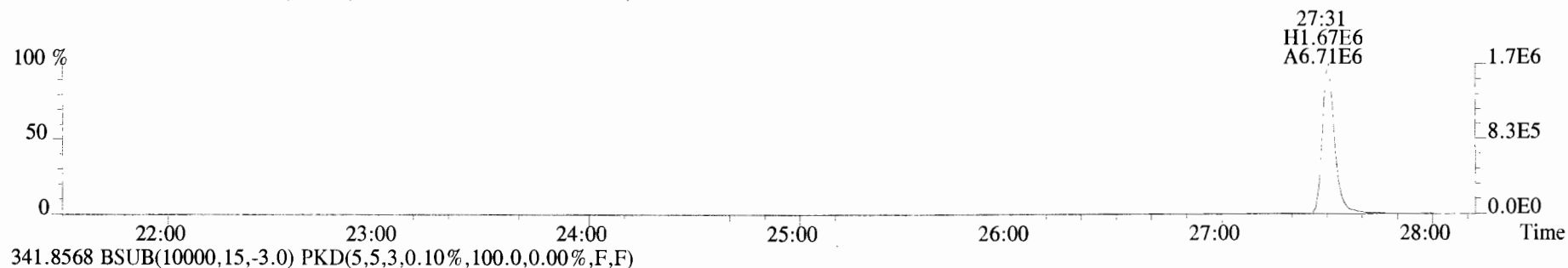
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



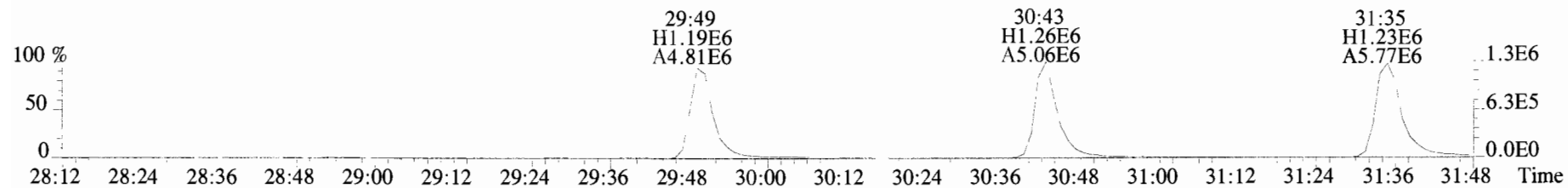
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



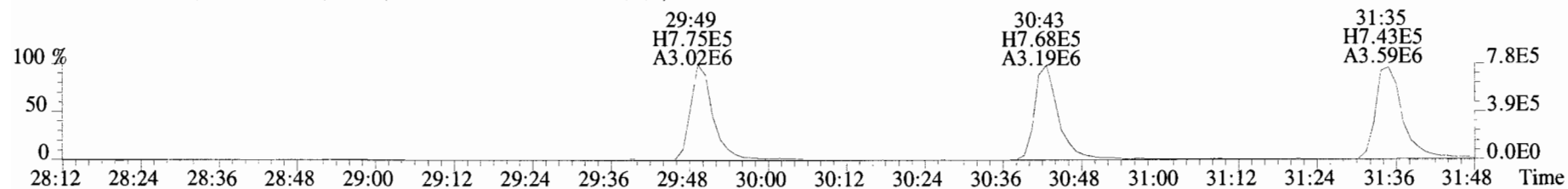
File:191011D2 #1-514 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



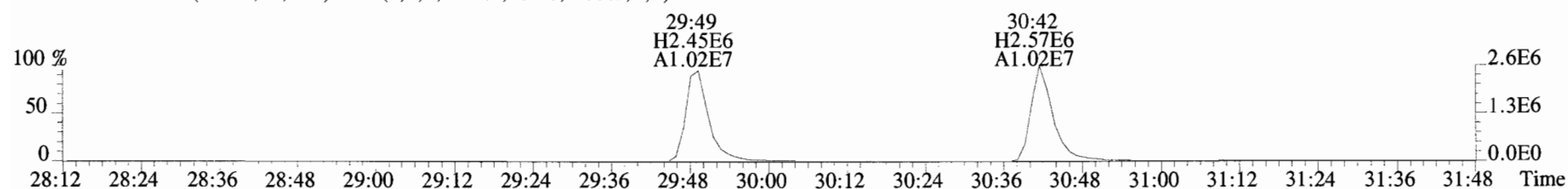
File:191011D2 #1-211 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



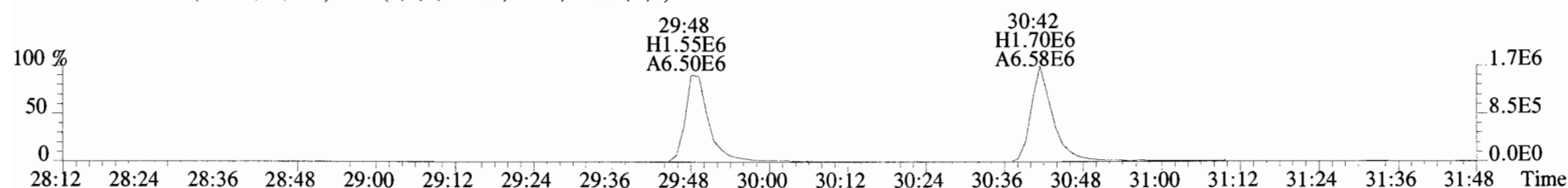
341.8568 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



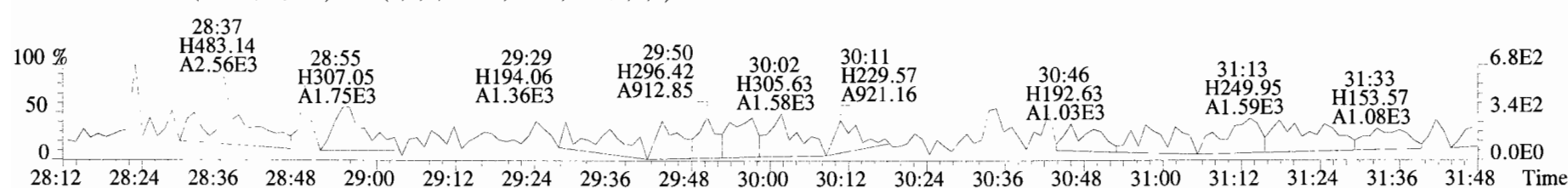
351.9000 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



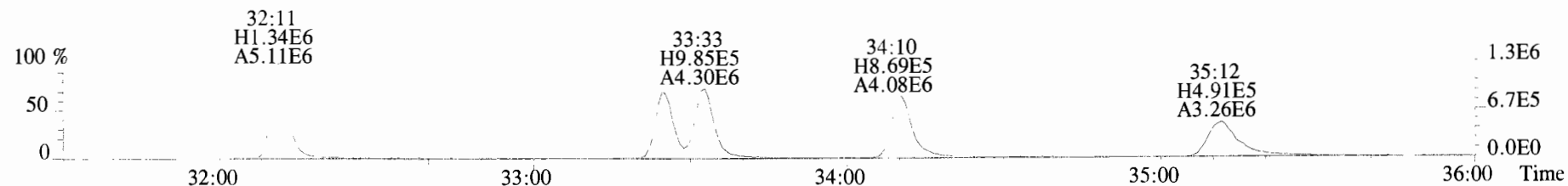
353.8970 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



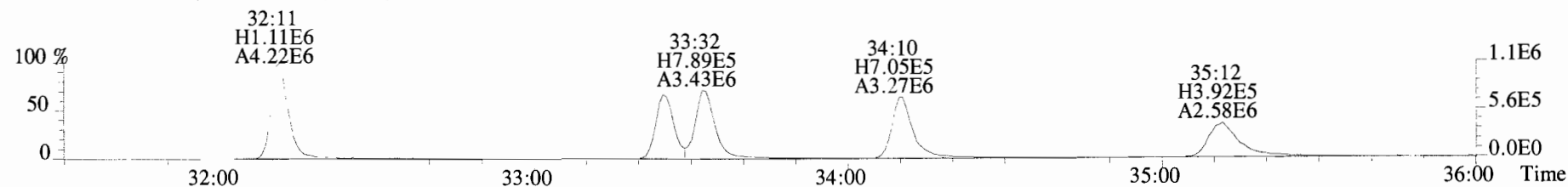
409.7974 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



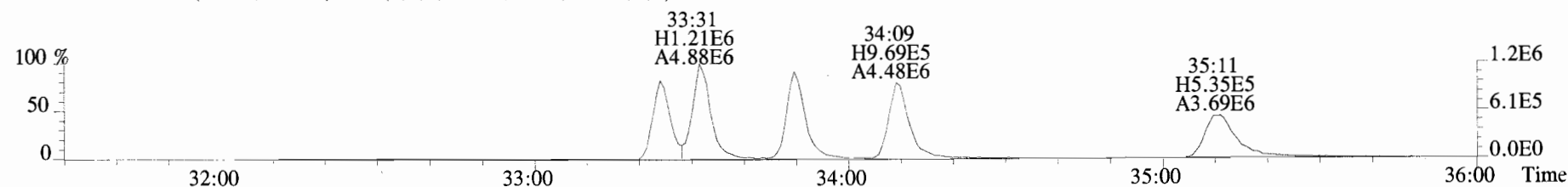
File:191011D2 #1-354 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



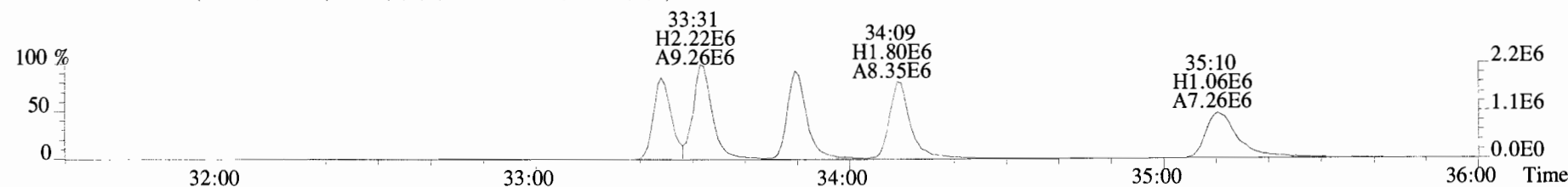
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



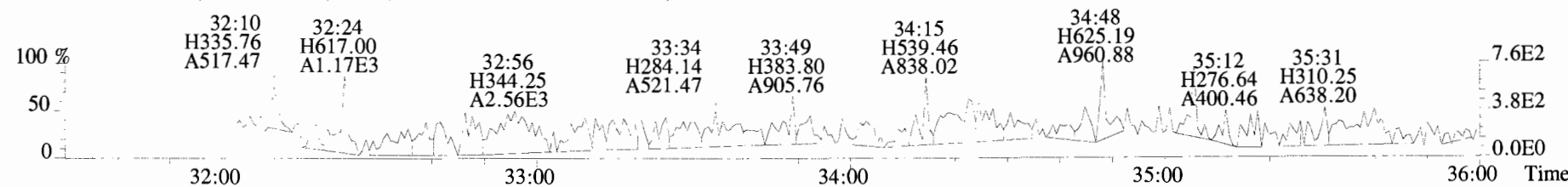
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



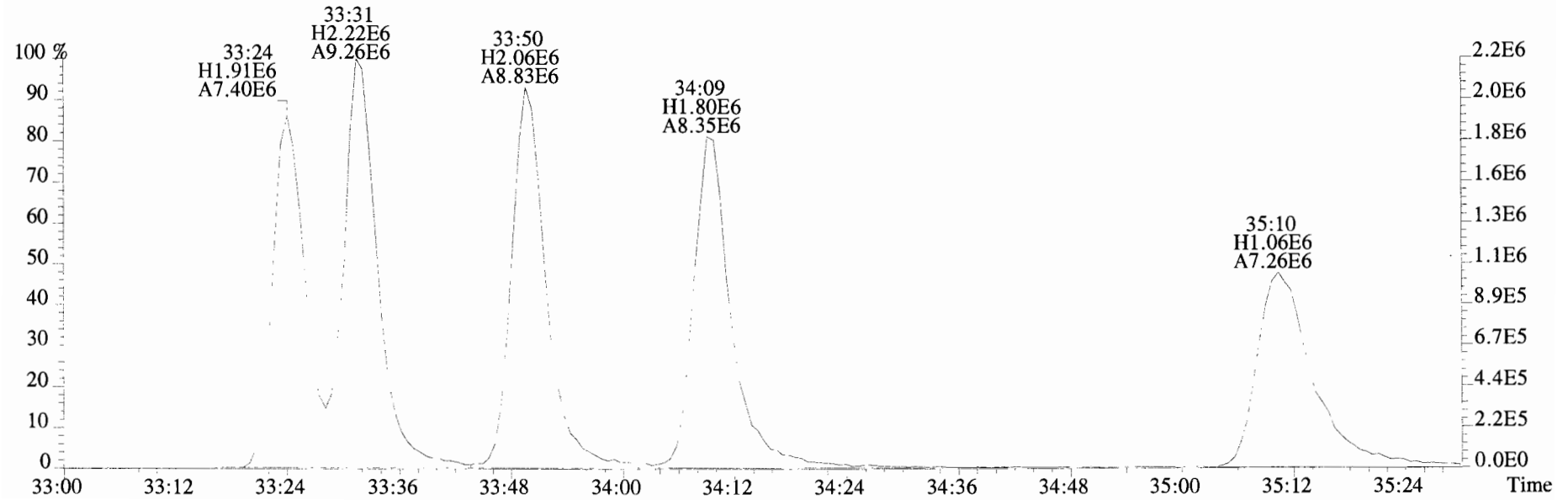
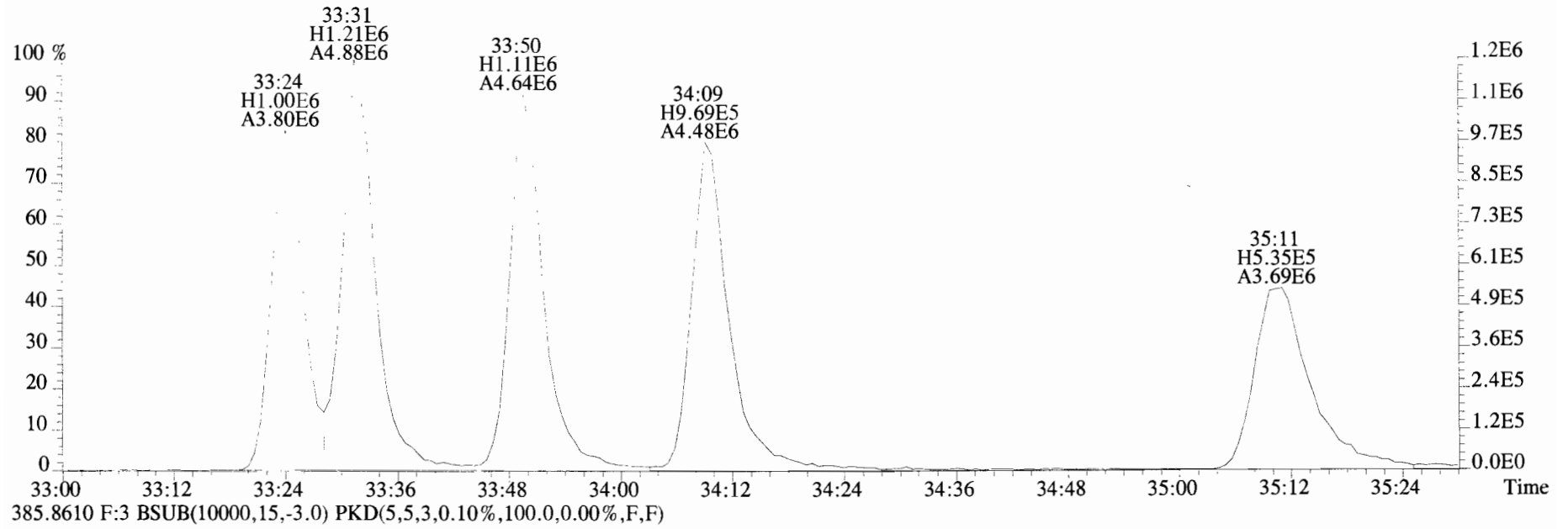
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



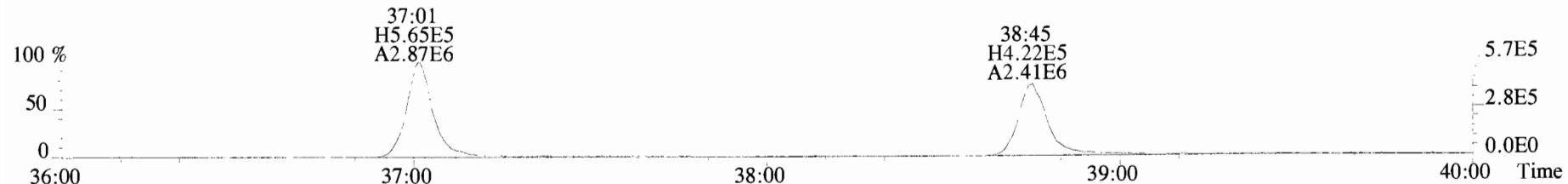
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



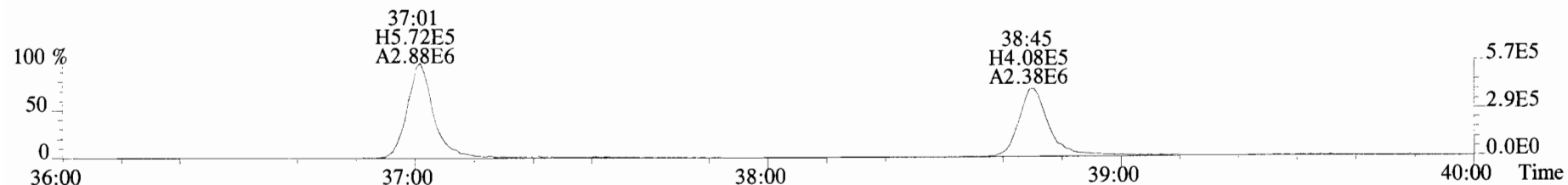
File:191011D2 #1-354 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



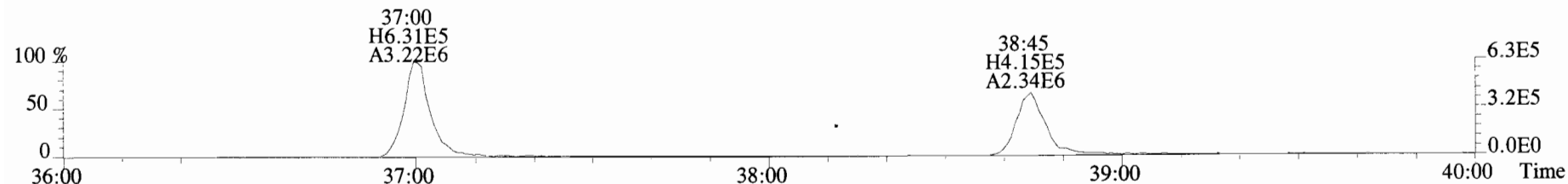
File:191011D2 #1-356 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



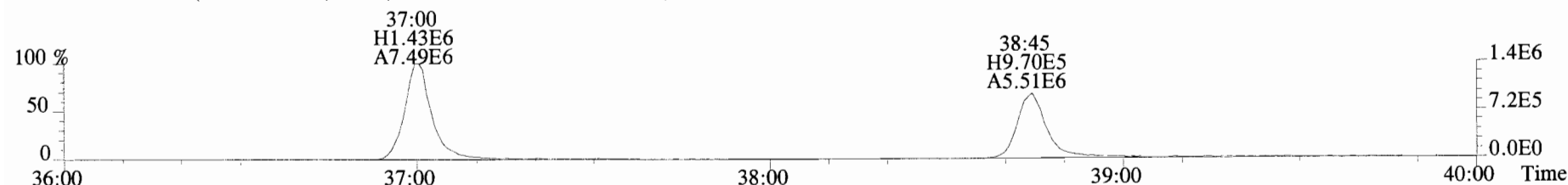
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



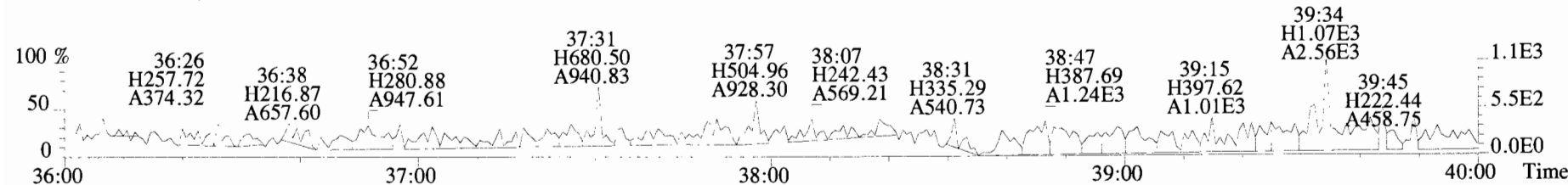
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



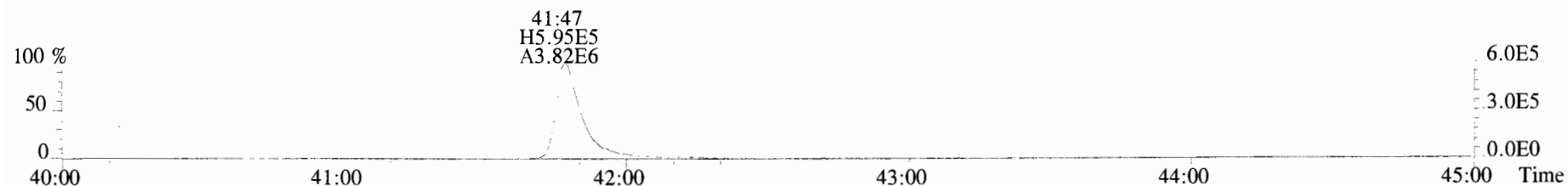
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



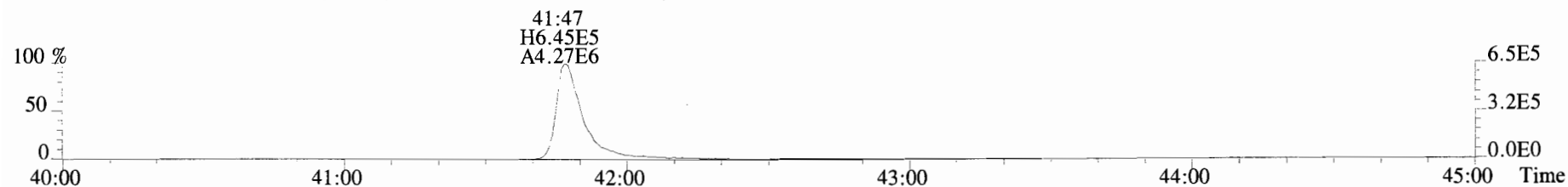
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



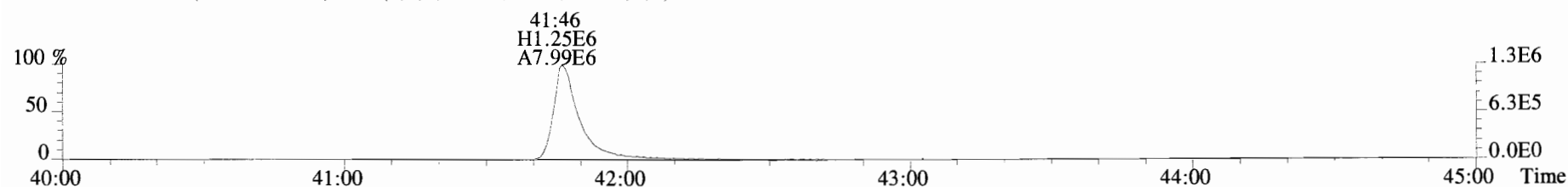
File:191011D2 #1-431 Acq:12-OCT-2019 01:18:50 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191011D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



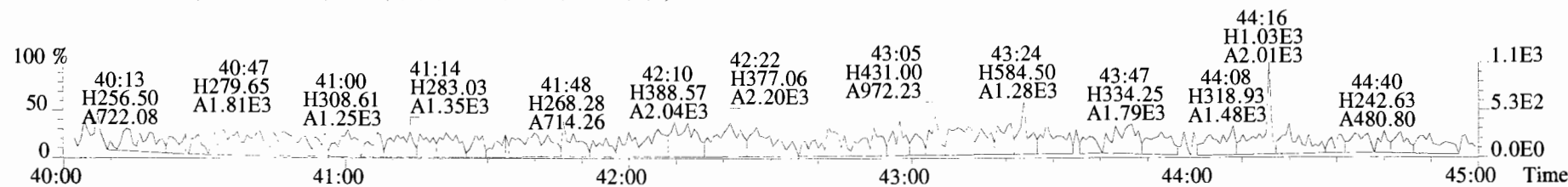
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

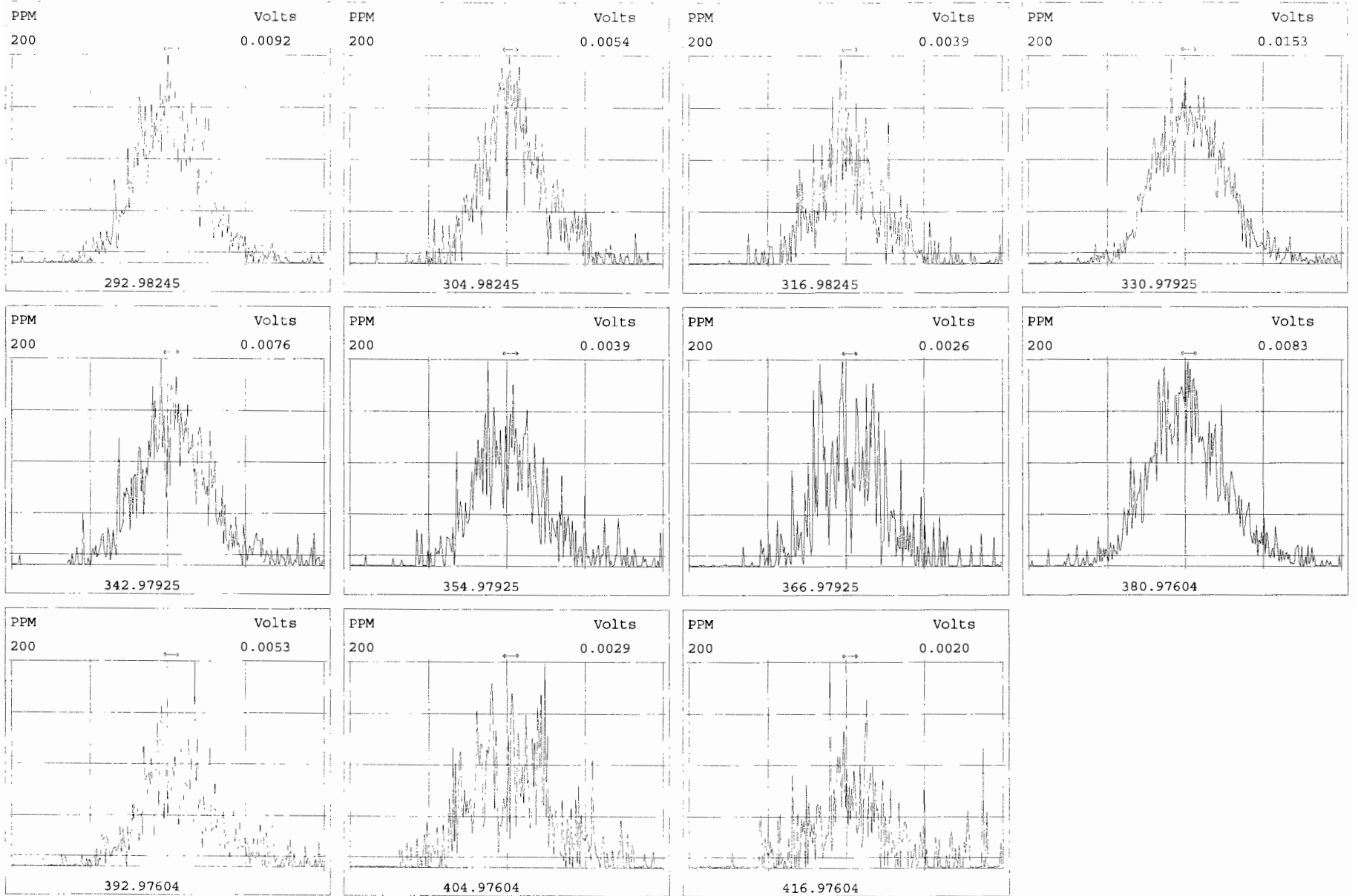


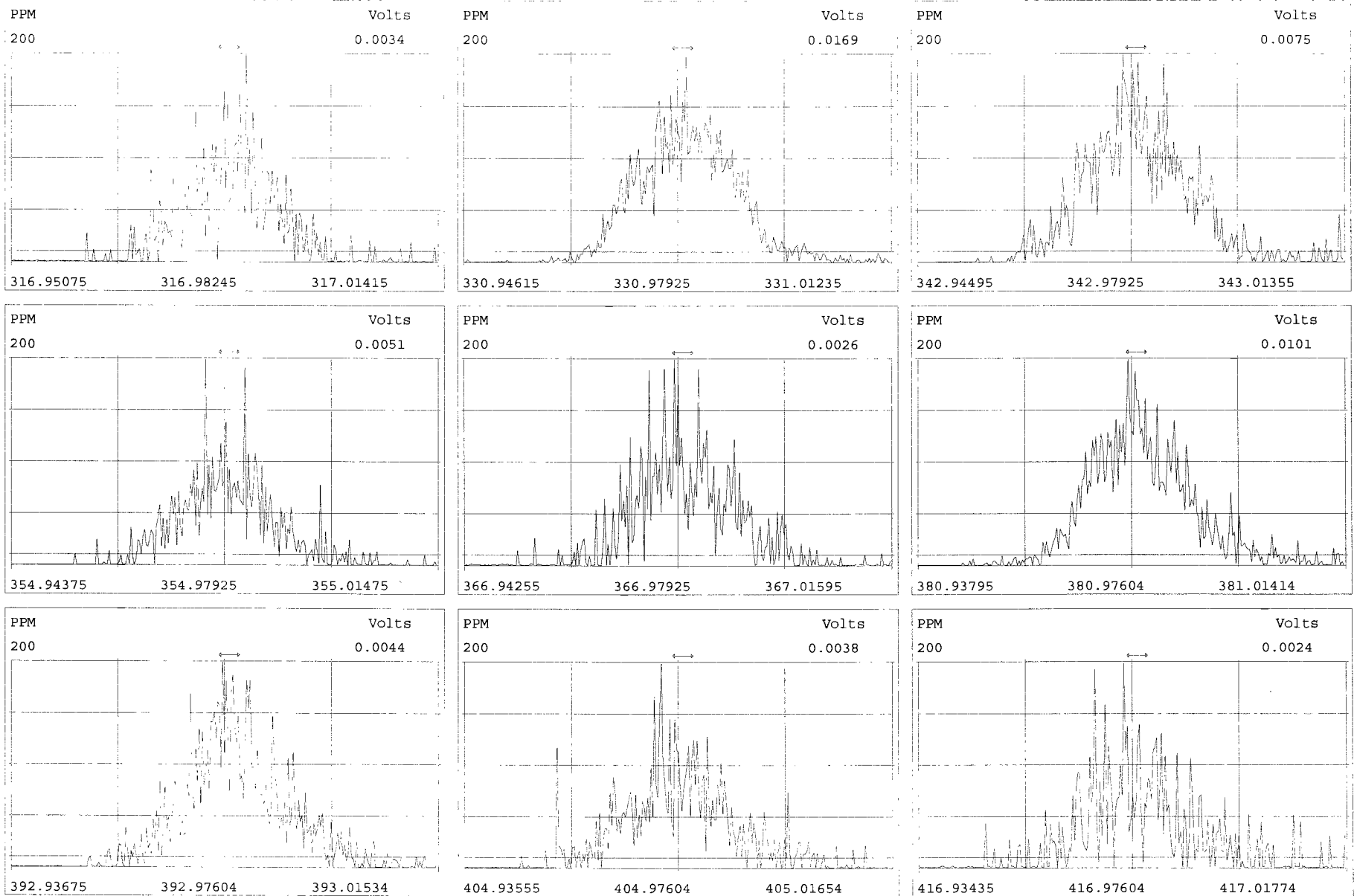
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Peak Locate Examination:12-OCT-2019:13:23 File:RES_CHECK

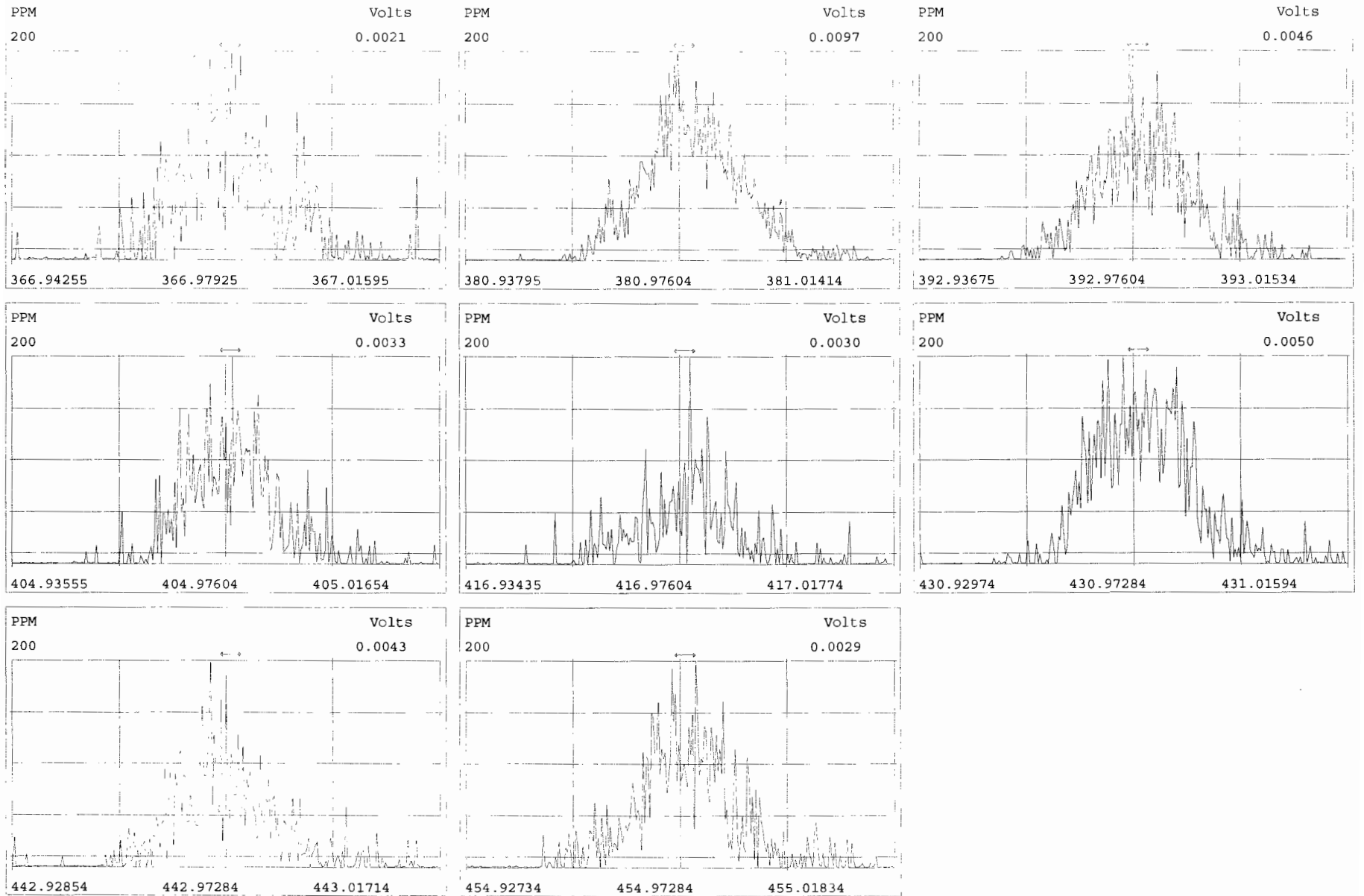
Experiment:OCDD_DB5 Function:1 Reference:PFK

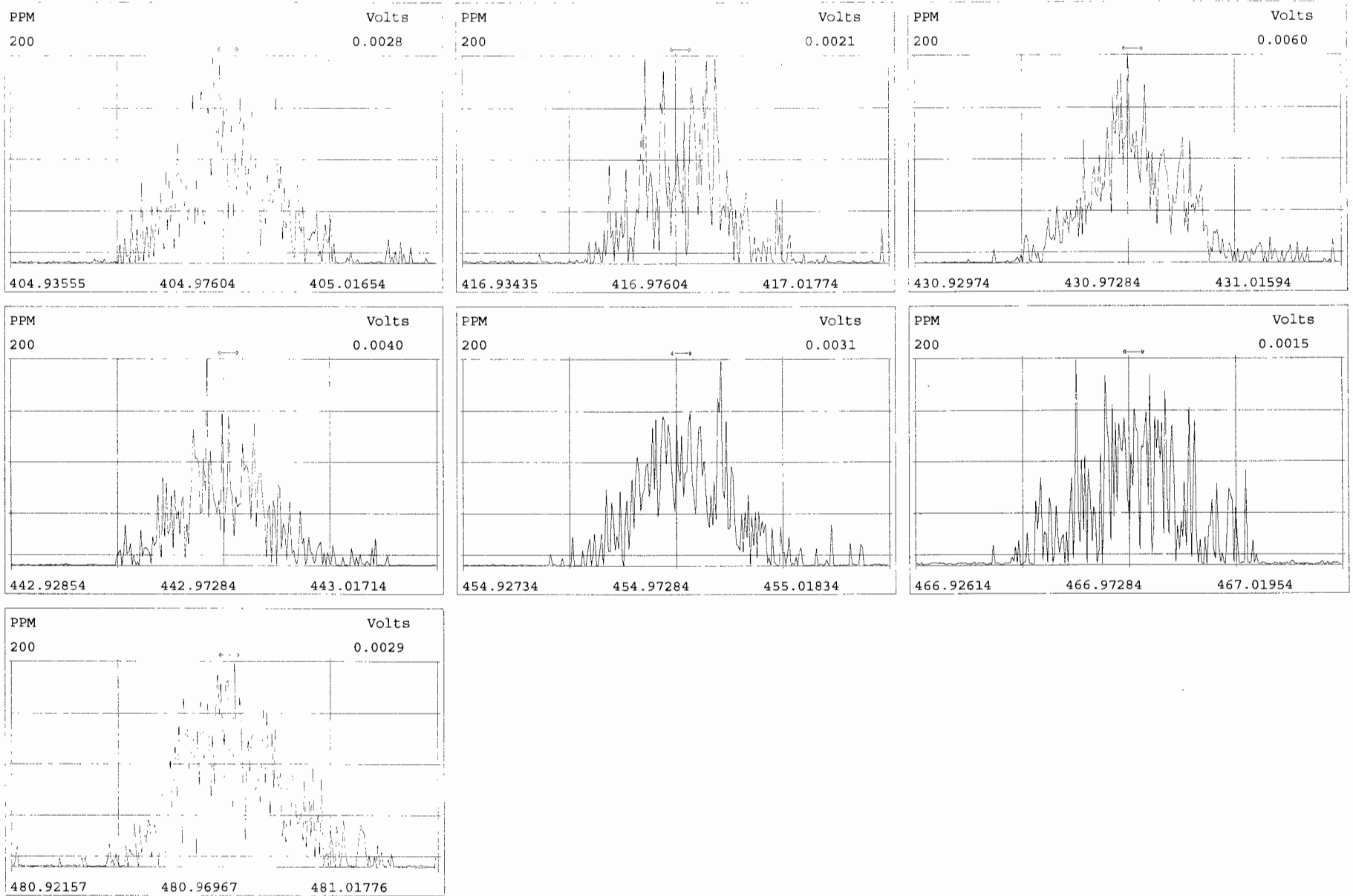


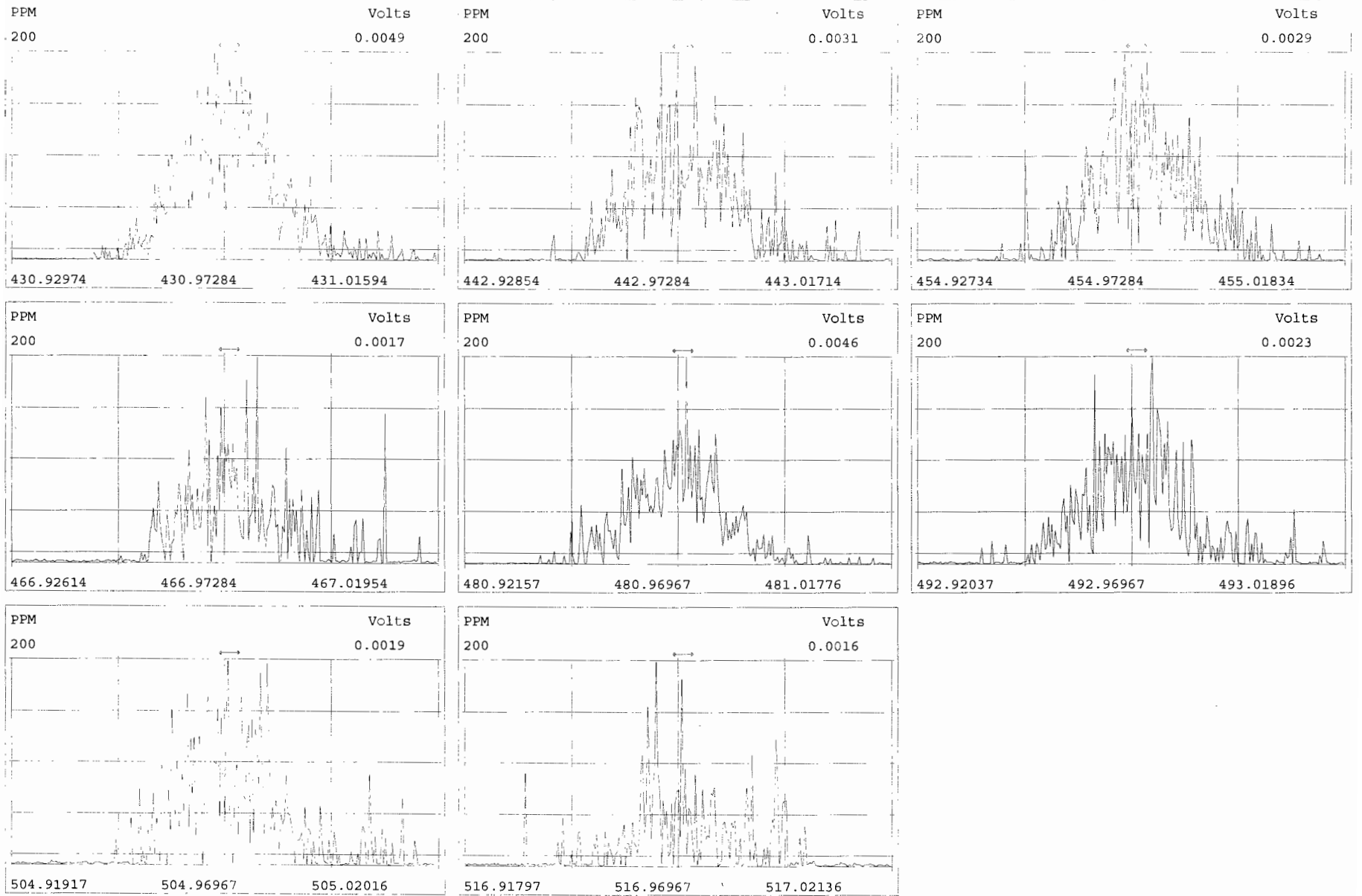


Peak Locate Examination:12-OCT-2019:13:25 File:RES_CHECK

Experiment:OCDD_DB5 Function:3 Reference:PFK







HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191014)2-1

Reviewed By: CP 10/15/14

Initials & Date

End Calibration ID: ST191014)2-2

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>DB</u>	

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

Vista Analytical Laboratory - Injection Log Run file: 191014D2 Instrument ID: VG-7 GC Column ID: ZB-5MS

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191014D2	1	ST191014D2-1	DB	14-OCT-19	17:09:59	ST191014D2-1	ST191014D2-2
191014D2	2	B9J0052-BS1	DB	14-OCT-19	17:57:43	ST191014D2-1	ST191014D2-2
191014D2	3	B9J0014-BS1	DB	14-OCT-19	18:45:40	ST191014D2-1	NA
191014D2	4	SOLVENT BLANK	DB	14-OCT-19	19:33:35	NA	NA
191014D2	5	B9J0052-BLK1	DB	14-OCT-19	20:21:20	ST191014D2-1	ST191014D2-2
191014D2	6	B9J0014-BLK1	DB	14-OCT-19	21:09:06	ST191014D2-1	NA
191014D2	7	1903397-01	DB	14-OCT-19	21:56:51	ST191014D2-1	ST191014D2-2
191014D2	8	1903397-02	DB	14-OCT-19	22:44:47	ST191014D2-1	ST191014D2-2
191014D2	9	1902883-01	DB	14-OCT-19	23:32:32	ST191014D2-1	NA
191014D2	10	1902883-02	DB	15-OCT-19	00:20:15	ST191014D2-1	NA
191014D2	11	1902883-03	DB	15-OCT-19	01:07:59	ST191014D2-1	NA
191014D2	12	1902883-04	DB	15-OCT-19	01:55:43	ST191014D2-1	NA
191014D2	13	1902883-05	DB	15-OCT-19	02:43:32	ST191014D2-1	NA
191014D2	14	1902883-06	DB	15-OCT-19	03:31:26	ST191014D2-1	NA
191014D2	15	1902883-07	DB	15-OCT-19	04:19:11	ST191014D2-1	NA
191014D2	16	SOLVENT BLANK	DB	15-OCT-19	05:06:56	NA	NA
191014D2	17	ST191014D2-2	DB	15-OCT-19	05:54:52	ST191014D2-1	ST191014D2-2

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

CCAL ID: ST191014D2-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191014D2 S#1 Analysis Date: 14-OCT-19 Time: 17:09:59

NATIVE ANALYTES	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC.
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			RANGE (3)
2,3,7,8-TCDD	M/M+2	0.84	0.65-0.89	y	10.3	7.8 - 12.9 8.2 - 12.3 (4)
1,2,3,7,8-PeCDD	M/M+2	0.63	0.54-0.72	y	49.8	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.22	1.05-1.43	y	47.6	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.21	1.05-1.43	y	52.1	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.20	1.05-1.43	y	49.9	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.03	0.88-1.20	y	48.3	43.0 - 58.0
OCDD	M+2/M+4	0.91	0.76-1.02	y	98.7	79.0 - 126.0
2,3,7,8-TCDF	M/M+2	0.80	0.65-0.89	y	9.06	8.4 - 12.0 8.6 - 11.6 (4)
1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32-1.78	y	51.4	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.57	1.32-1.78	y	51.2	41.0 - 61.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.24	1.05-1.43	y	49.0	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.25	1.05-1.43	y	48.5	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.21	1.05-1.43	y	50.4	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.24	1.05-1.43	y	48.9	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.00	0.88-1.20	y	48.5	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.02	0.88-1.20	y	47.6	43.0 - 58.0
OCDF	M+2/M+4	0.89	0.76-1.02	y	98.3	63.0 - 159.0

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/14/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191014D2 S#1 Analysis Date: 14-OCT-19 Time: 17:09:59

LABELED COMPOUNDS	M/Z'S FORMING RATIO (1)	ION ABUND. RATIO	QC LIMITS (2)	Pass	CONC. FOUND	CONC. RANGE (ng/mL)
13C-2,3,7,8-TCDD	M/M+2	0.77	0.65-0.89	y	98.6	82.0 - 121.0
13C-1,2,3,7,8-PeCDD	M/M+2	0.61	0.54-0.72	y	92.5	62.0 - 160.0
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.25	1.05-1.43	y	113	85.0 - 117.0
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.26	1.05-1.43	y	92.5	85.0 - 118.0
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.22	1.05-1.43	y	101	85.0 - 118.0
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.02	0.88-1.20	y	112	72.0 - 138.0
13C-OCDD	M/M+2	0.92	0.76-1.02	y	225	96.0 - 415.0
13C-2,3,7,8-TCDF	M+2/M+4	0.78	0.65-0.89	y	107	71.0 - 140.0
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.61	1.32-1.78	y	110	76.0 - 130.0
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.62	1.32-1.78	y	106	77.0 - 130.0
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.52	0.43-0.59	y	111	76.0 - 131.0
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.52	0.43-0.59	y	102	70.0 - 143.0
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.52	0.43-0.59	y	102	73.0 - 137.0
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.51	0.43-0.59	y	108	74.0 - 135.0
13C-1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.42	0.37-0.51	y	105	78.0 - 129.0
13C-1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.42	0.37-0.51	y	110	77.0 - 129.0
13C-OCDF	M+2/M+4	0.91	0.76-1.02	y	226	96.0 - 415.0
CLEANUP STANDARD (3) 37Cl-2,3,7,8-TCDD					8.98	7.9 - 12.7

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/14/19

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 1

RT Window Data Filename: 191014D2 S#1 Analysis Date: 14-OCT-19 Time: 17:09:59

ZB-5MS IS Data Filename: 191014D2 S#1 Analysis Date: 14-OCT-19 Time: 17:09:59

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	22:60	1,3,6,8-TCDF (F)	20:53
1,2,8,9-TCDD (L)	27:10	1,2,8,9-TCDF (L)	27:18
1,2,4,7,9-PeCDD (F)	28:46	1,3,4,6,8-PeCDF (F)	27:16
1,2,3,8,9-PeCDD (L)	31:08	1,2,3,8,9-PeCDF (L)	31:22
1,2,4,6,7,9-HxCDD (F)	32:34	1,2,3,4,6,8-HxCDF (F)	32:01
1,2,3,7,8,9-HxCDD (L)	34:30	1,2,3,7,8,9-HxCDF (L)	34:53
1,2,3,4,6,7,9-HpCDD (F)	37:07	1,2,3,4,6,7,8-HpCDF (F)	36:44
1,2,3,4,6,7,8-HpCDD (L)	37:57	1,2,3,4,7,8,9-HpCDF (L)	38:29

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared
Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: DBDate: 10/15/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191014D2 S#1 Analysis Date: 14-OCT-19 Time: 17:09:59

Compounds Using 13C-1234-TCDD as RT Internal Standard

NATIVE ANALYTES	RETENTION TIME		RRT
	REFERENCE	RRT	QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.001	0.999-1.002

LABELED COMPOUNDS

13C-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.021	0.976-1.043
13C-1,2,3,7,8-PeCDD	13C-1,2,3,4-TCDD	1.195	1.000-1.567
13C-2,3,7,8-TCDF	13C-1,2,3,4-TCDD	0.991	0.923-1.103
13C-1,2,3,7,8-PeCDF	13C-1,2,3,4-TCDD	1.149	1.000-1.425
13C-2,3,4,7,8-PeCDF	13C-1,2,3,4-TCDD	1.184	1.011-1.526
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.989-1.052

Analyst: DB

Date: 10/14/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191014D2 S#1 Analysis Date: 14-OCT-19 Time: 17:09:59

NATIVE ANALYTES	RETENTION TIME	RRT	RRT
	REFERENCE		QC LIMITS (1)
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.000	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.001	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.000	0.999-1.001
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.000	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.000	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,7,8,9-HxCDD	1.000	0.998-1.004
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001
OCDD	13C-OCDD	1.000	0.999-1.001
OCDF	13C-OCDF	1.000	0.999-1.001

LABELED COMPOUNDS

13C-1,2,3,4,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.988	0.975-1.001
13C-1,2,3,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.991	0.979-1.005
13C-2,3,4,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.009	1.001-1.020
13C-1,2,3,7,8,9-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.038	1.002-1.072
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.014	1.002-1.026
13C-1,2,3,6,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.018	1.007-1.029
13C-1,2,3,7,8,9-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.026	1.014-1.038
13C-1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.093	1.069-1.111
13C-1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.145	1.098-1.192
13C-1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,9-HxCDF	1.129	1.117-1.141
13C-OCDD	13C-1,2,3,4,6,9-HxCDF	1.227	1.085-1.365
13C-OCDF	13C-1,2,3,4,6,9-HxCDF	1.233	1.091-1.371

Analyst: DB

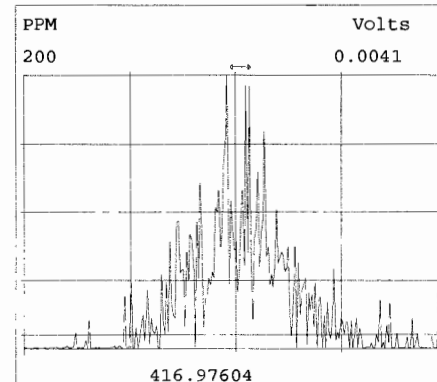
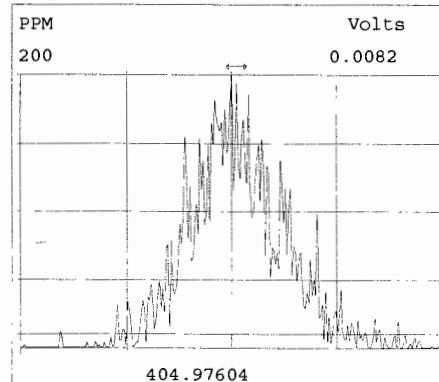
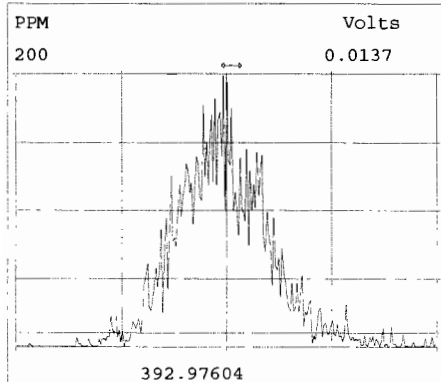
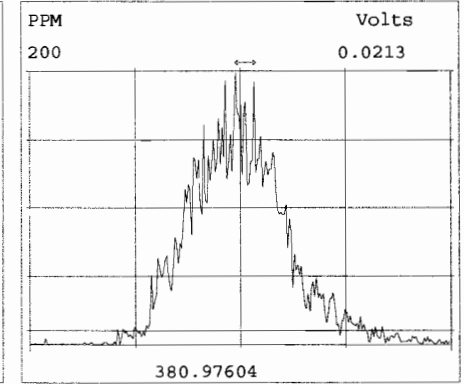
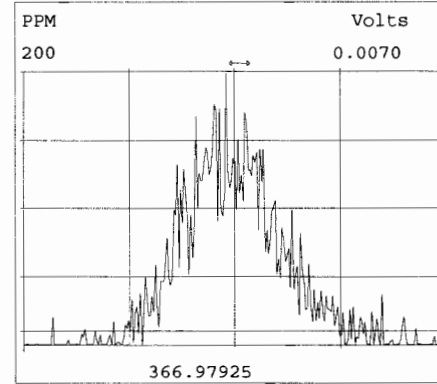
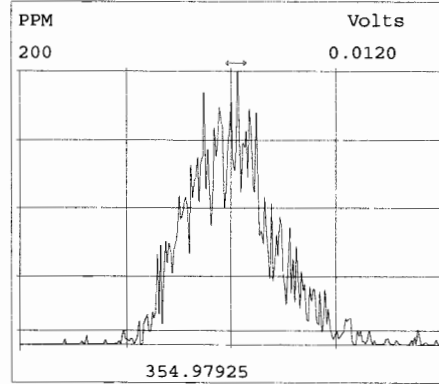
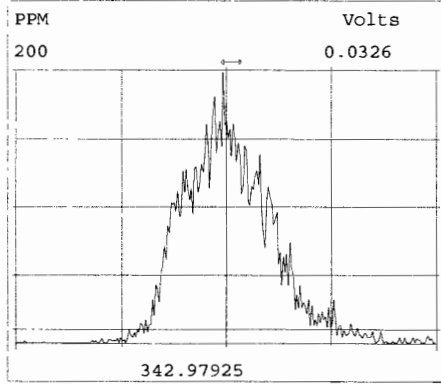
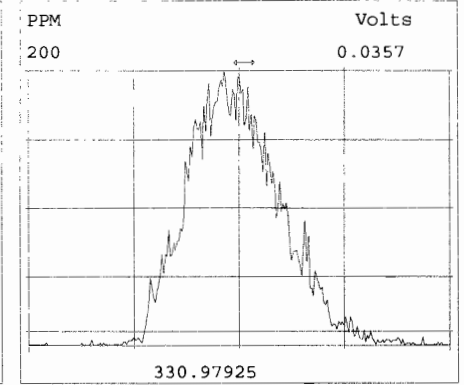
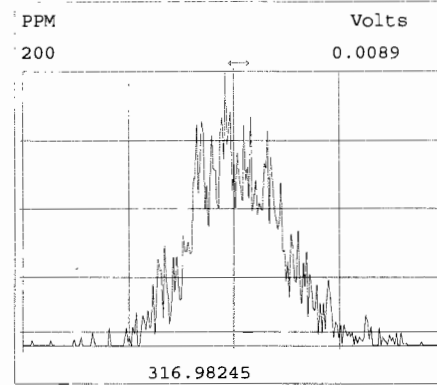
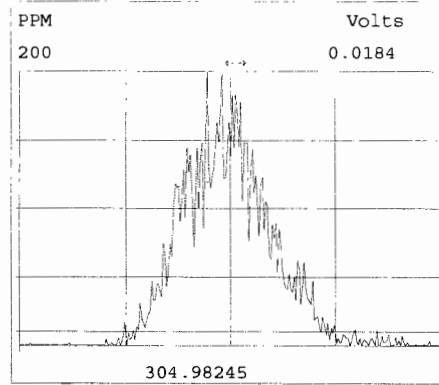
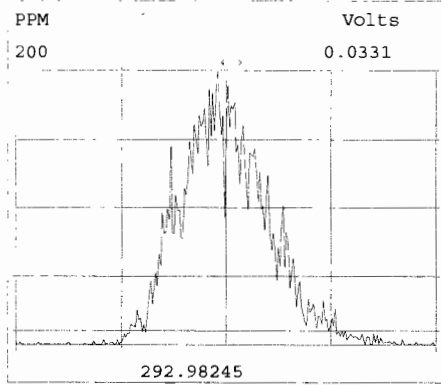
Date: 10/14/19

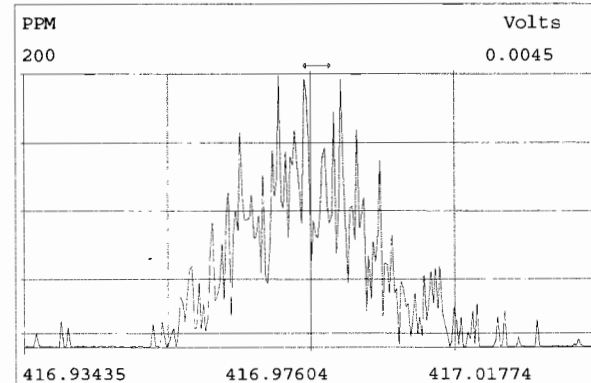
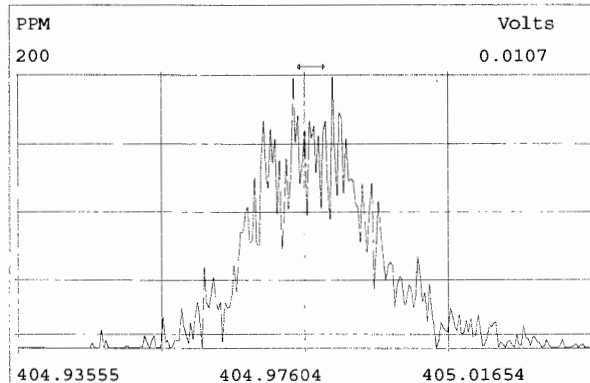
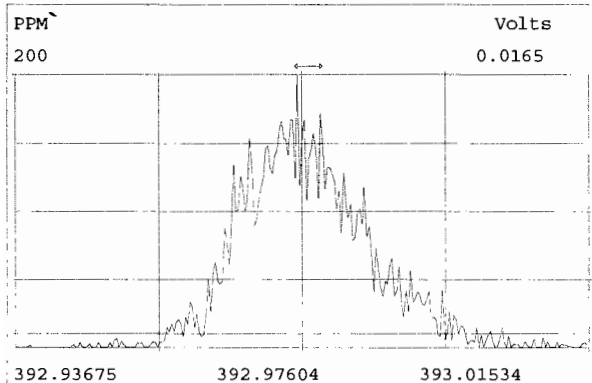
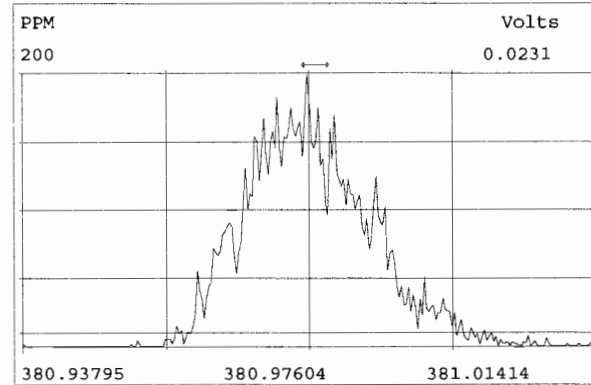
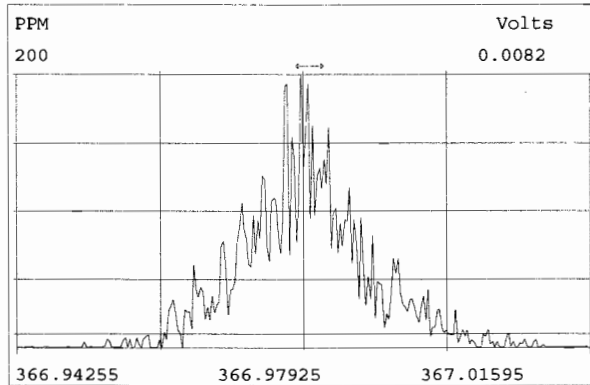
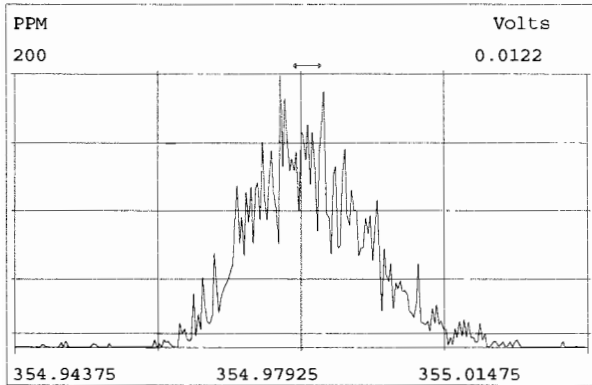
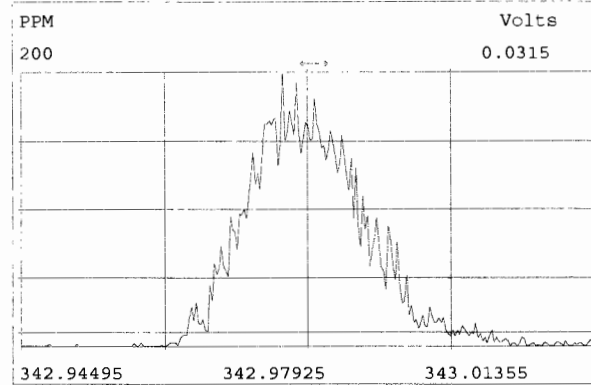
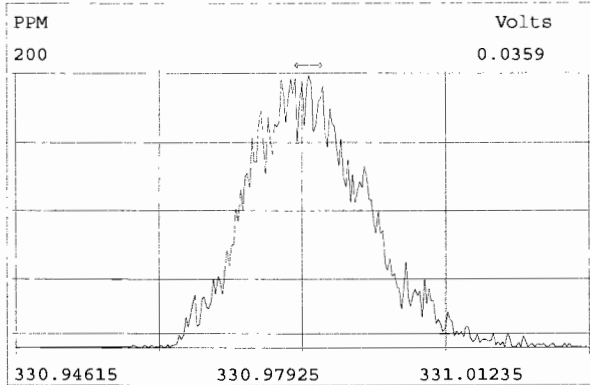
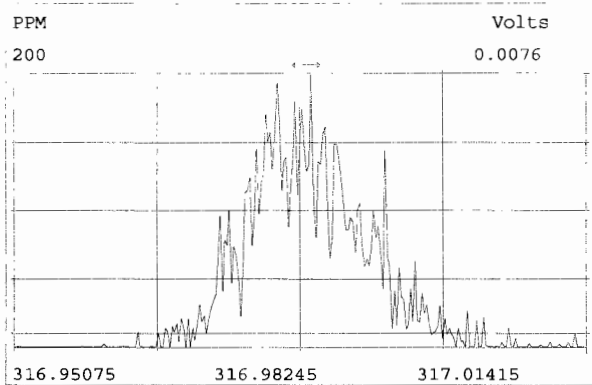
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	1.20e+06	0.84 y	0.91	26:20	10.329		* 2.5		*	Total Tetra-Dioxins	76.1	76.8		*	*
1,2,3,7,8-PeCDD	4.36e+06	0.63 y	0.90	30:47	49.780		* 2.5		*	Total Penta-Dioxins	197	197		*	*
1,2,3,4,7,8-HxCDD	4.30e+06	1.22 y	1.10	34:06	47.648		* 2.5		*	Total Hexa-Dioxins	226	226		*	*
1,2,3,6,7,8-HxCDD	4.36e+06	1.21 y	0.94	34:13	52.111		* 2.5		*	Total Hepta-Dioxins	110	111		*	*
1,2,3,7,8,9-HxCDD	4.38e+06	1.20 y	0.96	34:30	49.874		* 2.5		*	Total Tetra-Furans	34.3	35.0		*	*
1,2,3,4,6,7,8-HpCDD	3.89e+06	1.03 y	0.98	37:57	48.277		* 2.5		*	Total Penta-Furans	227.45	230.85		*	*
OCDD	6.95e+06	0.91 y	0.96	41:14	98.734		* 2.5		*	Total Hexa-Furans	263	264		*	*
										Total Hepta-Furans	96.5	97.0		*	*
2,3,7,8-TCDF	1.56e+06	0.80 y	0.95	25:33	9.0578		* 2.5		*						
1,2,3,7,8-PeCDF	7.60e+06	1.58 y	0.96	29:37	51.363		* 2.5		*						
2,3,4,7,8-PeCDF	7.59e+06	1.57 y	1.01	30:30	51.158		* 2.5		*						
1,2,3,4,7,8-HxCDF	5.98e+06	1.24 y	1.18	33:12	48.989		* 2.5		*						
1,2,3,6,7,8-HxCDF	6.15e+06	1.25 y	1.07	33:20	48.478		* 2.5		*						
2,3,4,6,7,8-HxCDF	6.15e+06	1.21 y	1.11	33:56	50.368		* 2.5		*						
1,2,3,7,8,9-HxCDF	5.22e+06	1.24 y	1.06	34:53	48.947		* 2.5		*						
1,2,3,4,6,7,8-HpCDF	4.88e+06	1.00 y	1.13	36:44	48.535		* 2.5		*						
1,2,3,4,7,8,9-HpCDF	4.39e+06	1.02 y	1.28	38:29	47.649		* 2.5		*						
OCDF	8.17e+06	0.89 y	0.95	41:28	98.305		* 2.5		*						
										Rec	Qual				
IS	13C-2,3,7,8-TCDD	1.28e+07	0.77 y	1.10	26:18	98.598				98.6					
IS	13C-1,2,3,7,8-PeCDD	9.70e+06	0.61 y	0.88	30:46	92.532				92.5					
IS	13C-1,2,3,4,7,8-HxCDD	8.19e+06	1.25 y	0.64	34:05	113.29				113					
IS	13C-1,2,3,6,7,8-HxCDD	8.91e+06	1.26 y	0.86	34:12	92.451				92.5					
IS	13C-1,2,3,7,8,9-HxCDD	9.14e+06	1.22 y	0.81	34:29	100.56				101					
IS	13C-1,2,3,4,6,7,8-HpCDD	8.23e+06	1.02 y	0.65	37:56	111.76				112					
IS	13C-OCDD	1.47e+07	0.92 y	0.58	41:14	225.06				113					
IS	13C-2,3,7,8-TCDF	1.81e+07	0.78 y	1.03	25:31	107.30				107					
IS	13C-1,2,3,7,8-PeCDF	1.54e+07	1.61 y	0.85	29:36	110.34				110					
IS	13C-2,3,4,7,8-PeCDF	1.46e+07	1.62 y	0.85	30:29	105.59				106					
IS	13C-1,2,3,4,7,8-HxCDF	1.04e+07	0.52 y	0.83	33:11	110.64				111					
IS	13C-1,2,3,6,7,8-HxCDF	1.19e+07	0.52 y	1.03	33:19	101.91				102					
IS	13C-2,3,4,6,7,8-HxCDF	1.10e+07	0.52 y	0.95	33:55	102.04				102					
IS	13C-1,2,3,7,8,9-HxCDF	1.00e+07	0.51 y	0.83	34:52	107.72				108					
IS	13C-1,2,3,4,6,7,8-HpCDF	8.92e+06	0.42 y	0.76	36:44	104.53				105					
IS	13C-1,2,3,4,7,8,9-HpCDF	7.20e+06	0.42 y	0.58	38:28	109.91				110					
IS	13C-OCDF	1.75e+07	0.91 y	0.69	41:27	226.02				113					
C/Up	37Cl-2,3,7,8-TCDD	1.28e+06		1.20	26:19	8.9781				89.8					
										Integrations					
										by					
RS/RT	13C-1,2,3,4-TCDD	1.19e+07	0.79 y	1.00	25:45	100.00				Analyst: <u>DB</u>					Reviewed by Analyst: <u>CT</u>
RS	13C-1,2,3,4-TCDF	1.63e+07	0.82 y	1.00	24:20	100.00									
RS/RT	13C-1,2,3,4,6,9-HxCDF	1.13e+07	0.51 y	1.00	33:36	100.00									

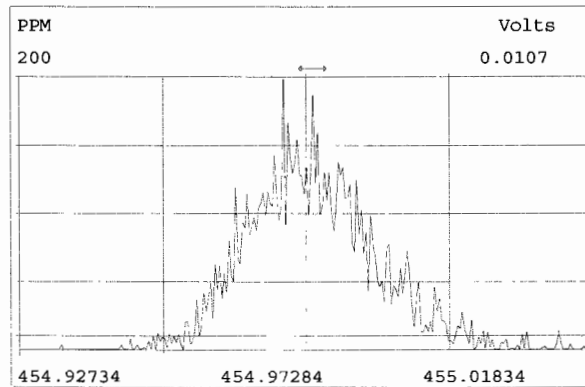
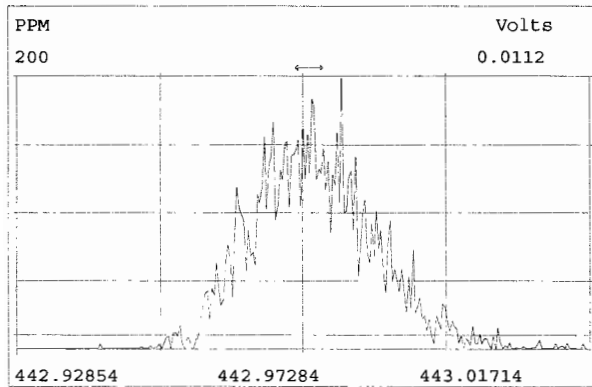
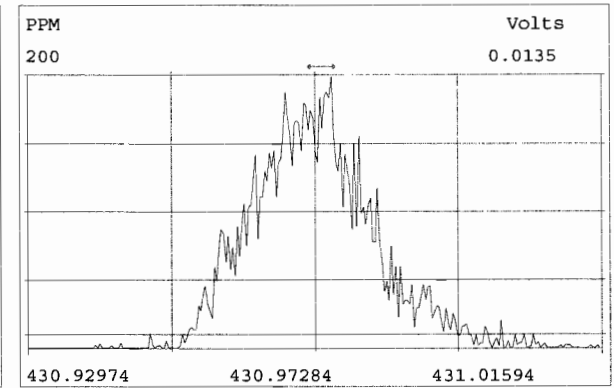
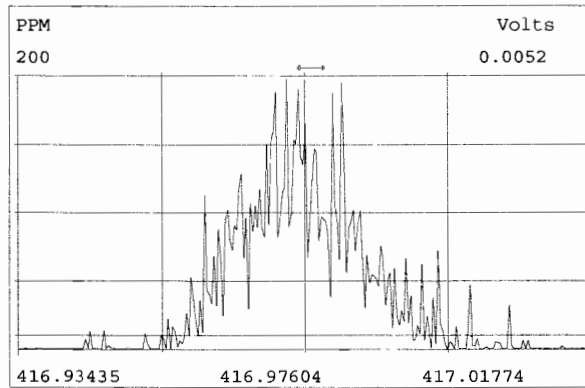
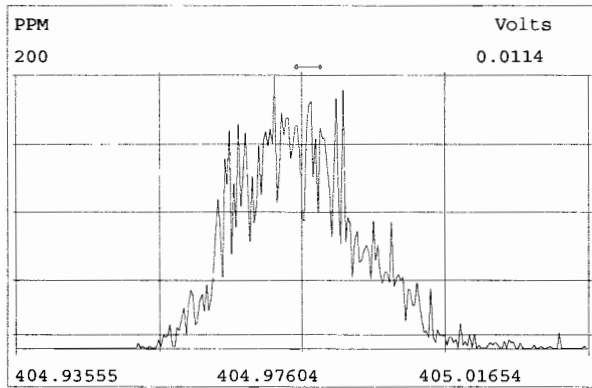
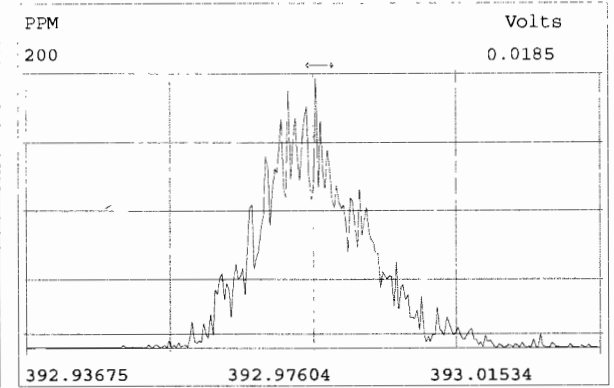
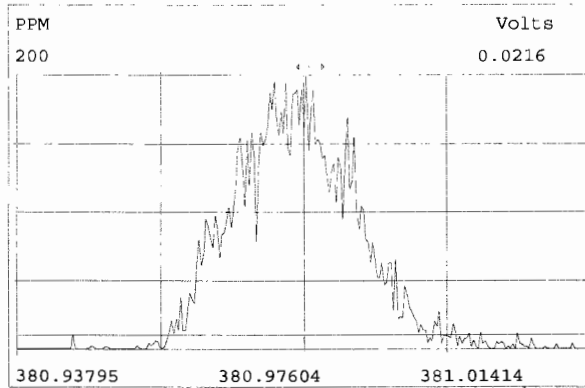
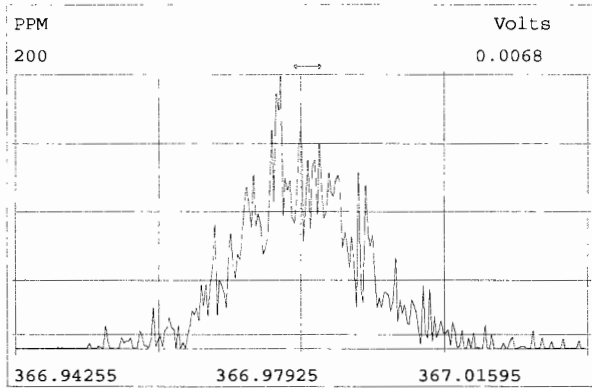
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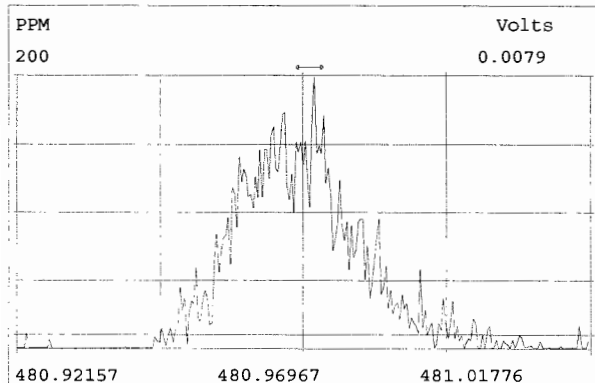
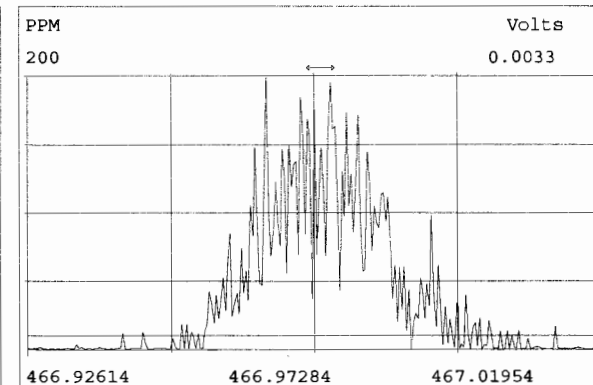
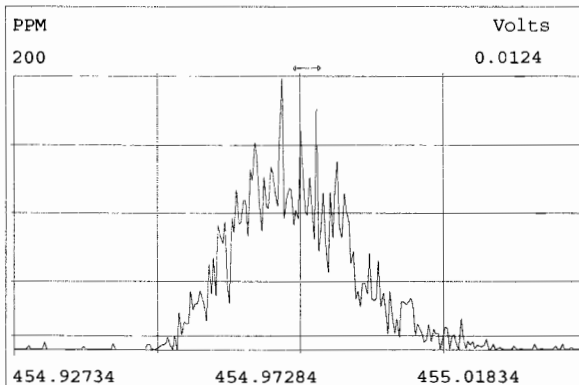
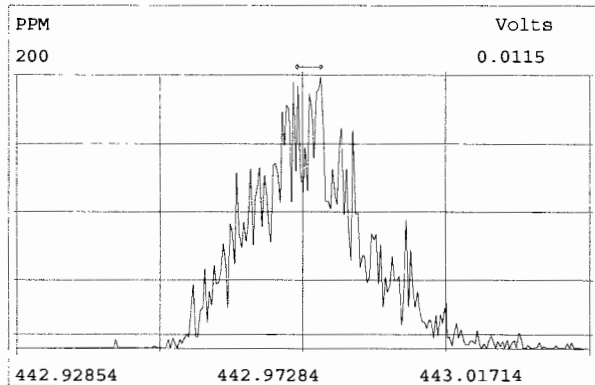
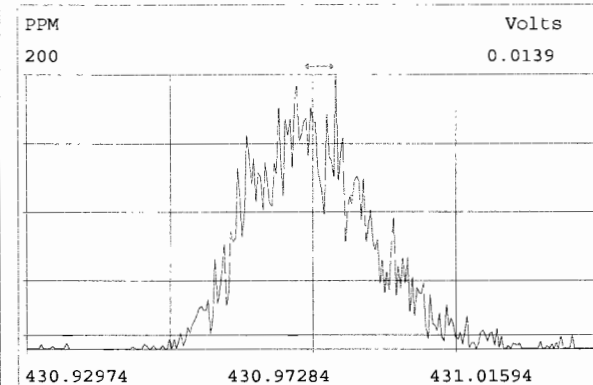
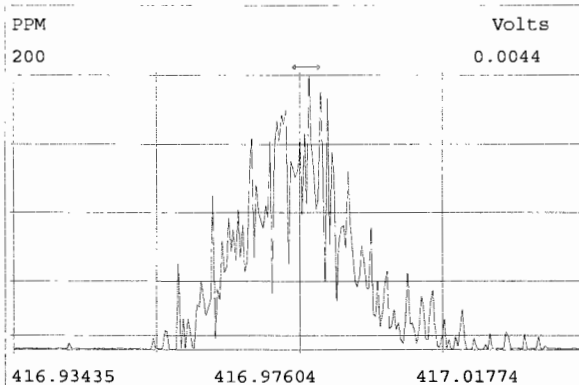
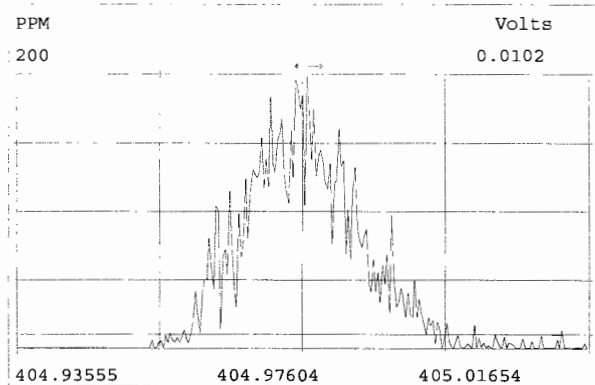
Vista Analytical Laboratory - Injection Log Run file: 191014D2 Instrument ID: VG-7 GC Column ID: ZB-5MS

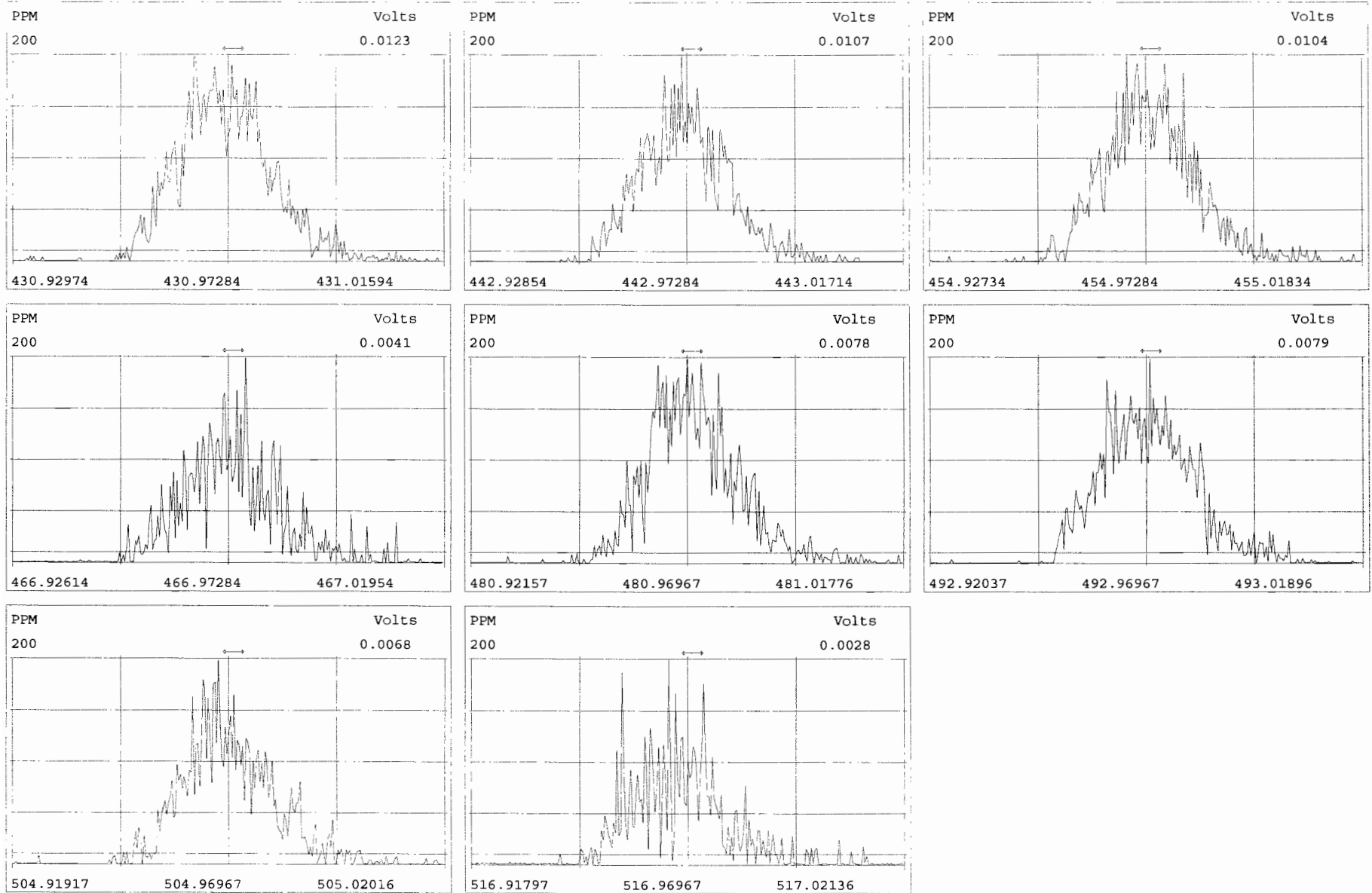
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191014D2	2	B9J0052-BS1	DB	14-OCT-19	17:57:43	ST191014D2-1	ST191014D2-2
191014D2	3	B9J0014-BS1	DB	14-OCT-19	18:45:40	ST191014D2-1	NA
191014D2	4	SOLVENT BLANK	DB	14-OCT-19	19:33:35	NA	NA
191014D2	5	B9J0052-BLK1	DB	14-OCT-19	20:21:20	ST191014D2-1	ST191014D2-2
191014D2	6	B9J0014-BLK1	DB	14-OCT-19	21:09:06	ST191014D2-1	NA
191014D2	7	1903397-01	DB	14-OCT-19	21:56:51	ST191014D2-1	ST191014D2-2
191014D2	8	1903397-02	DB	14-OCT-19	22:44:47	ST191014D2-1	ST191014D2-2
191014D2	9	1902883-01	DB	14-OCT-19	23:32:32	ST191014D2-1	NA
191014D2	10	1902883-02	DB	15-OCT-19	00:20:15	ST191014D2-1	NA
191014D2	11	1902883-03	DB	15-OCT-19	01:07:59	ST191014D2-1	NA
191014D2	12	1902883-04	DB	15-OCT-19	01:55:43	ST191014D2-1	NA
191014D2	13	1902883-05	DB	15-OCT-19	02:43:32	ST191014D2-1	NA
191014D2	14	1902883-06	DB	15-OCT-19	03:31:26	ST191014D2-1	NA
191014D2	15	1902883-07	DB	15-OCT-19	04:19:11	ST191014D2-1	NA
191014D2	16	SOLVENT BLANK	DB	15-OCT-19	05:06:56	NA	NA
191014D2	17	ST191014D2-2	DB	15-OCT-19	05:54:52	ST191014D2-1	ST191014D2-2



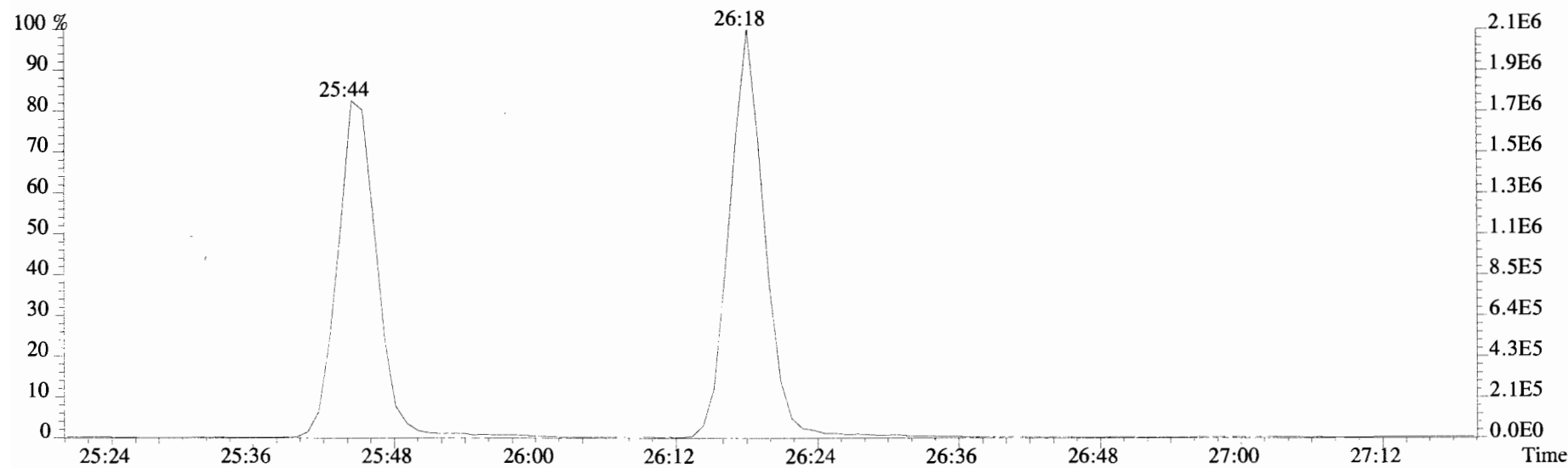
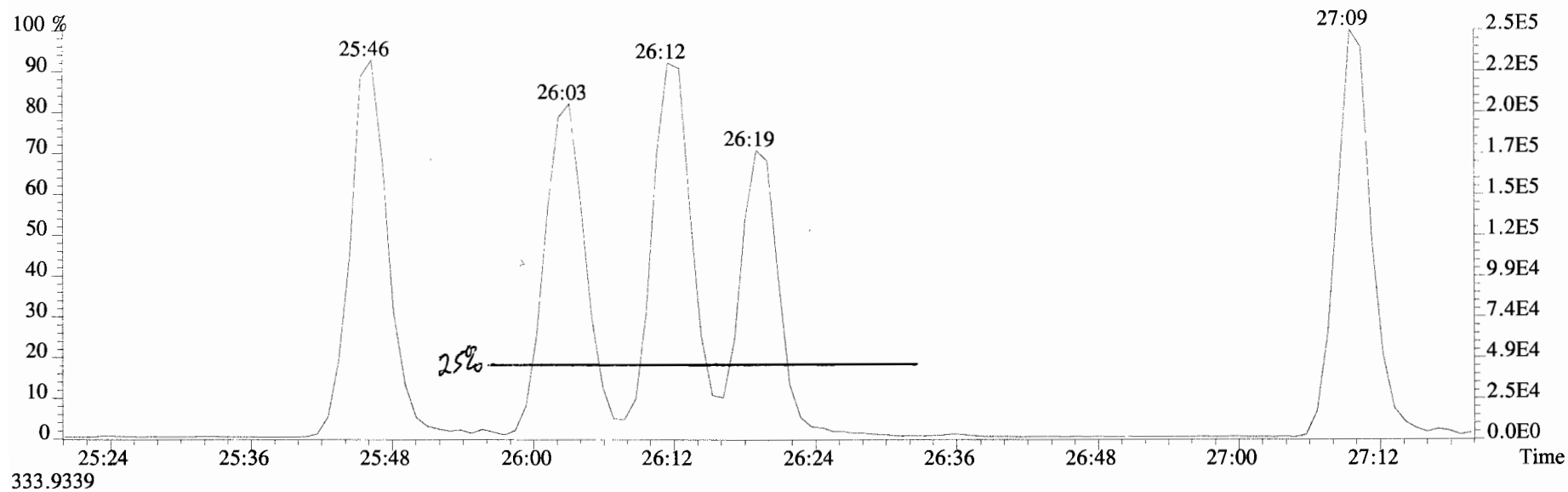




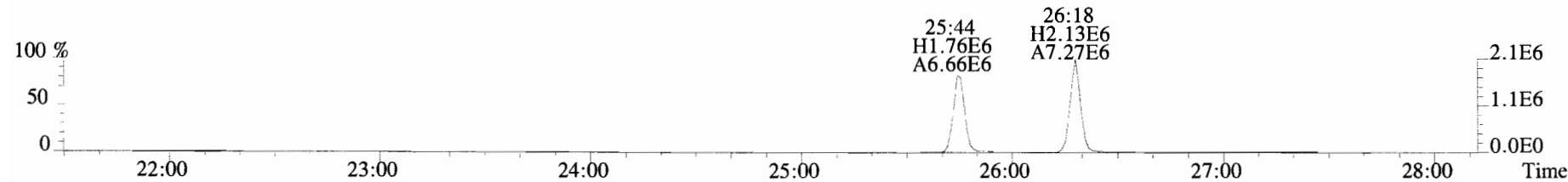
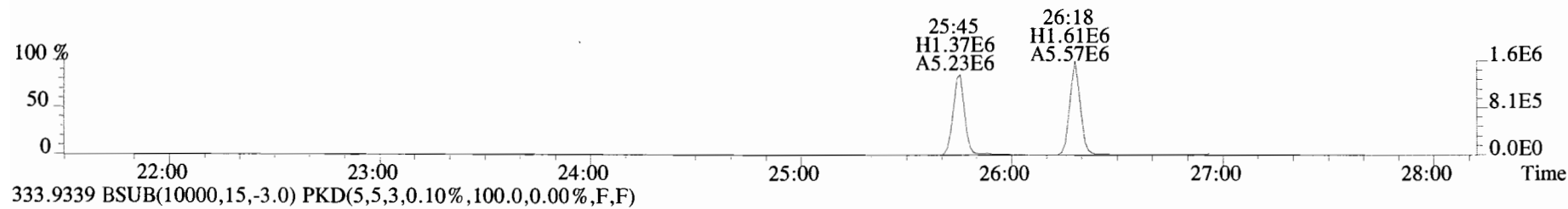
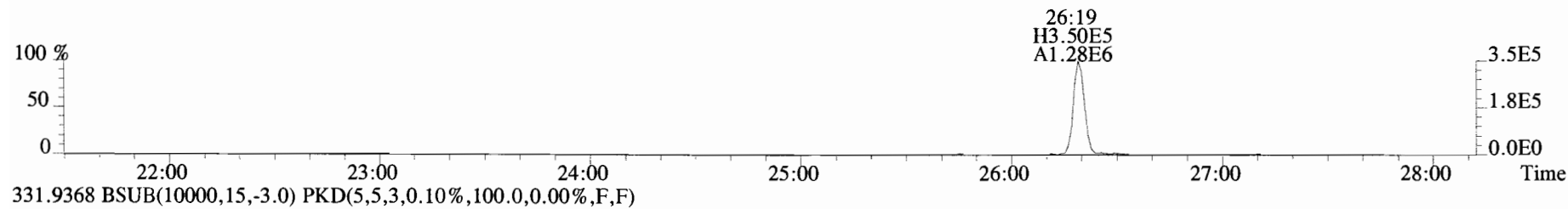
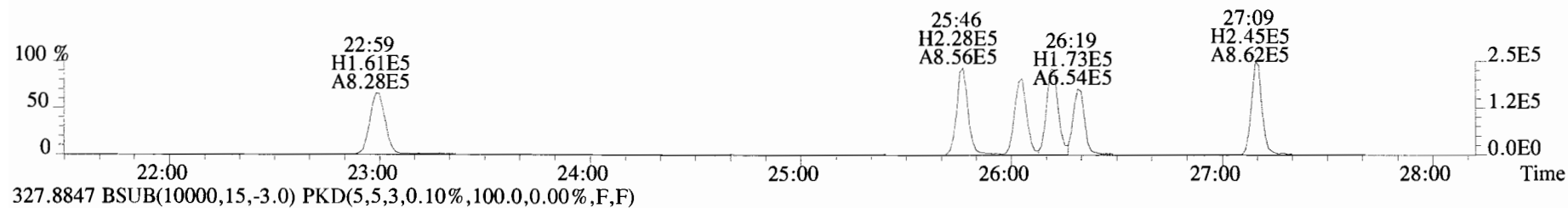
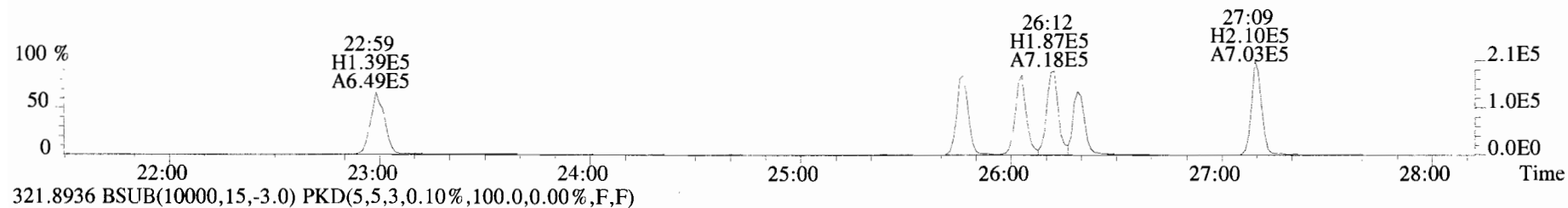




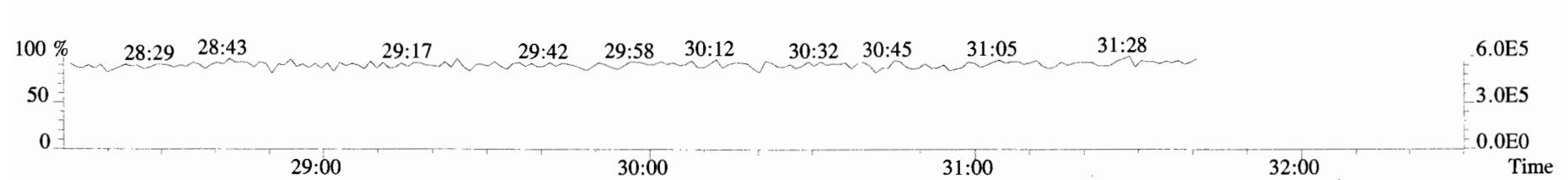
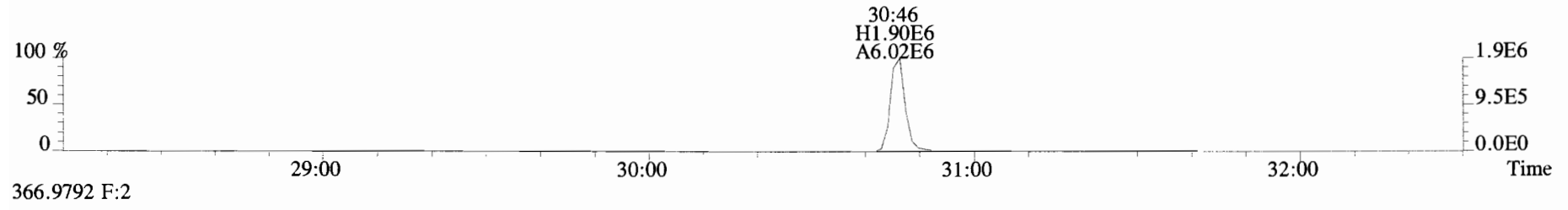
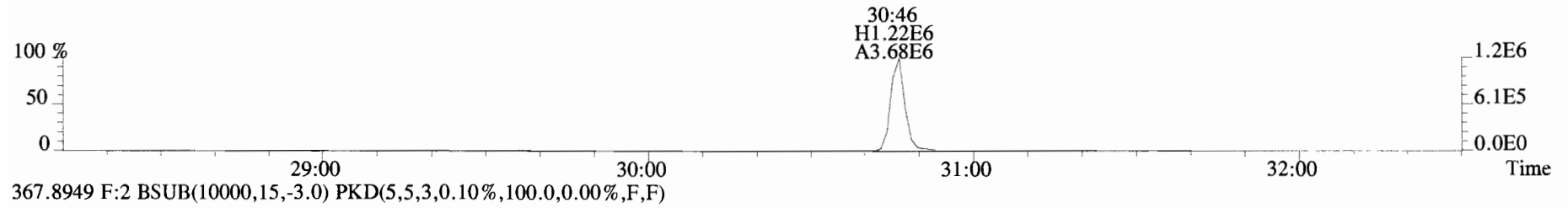
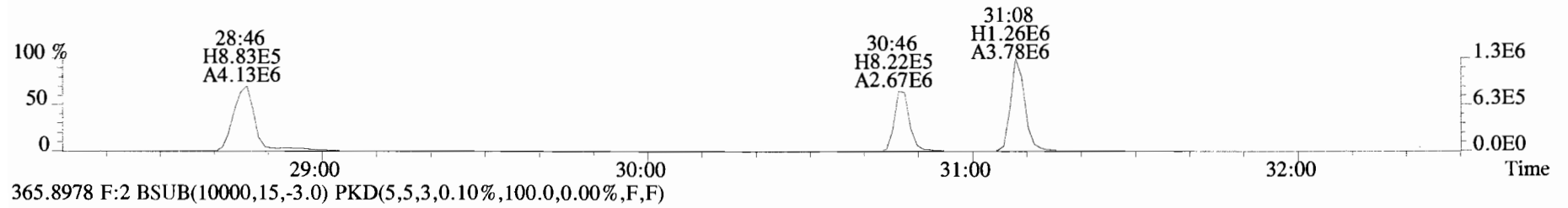
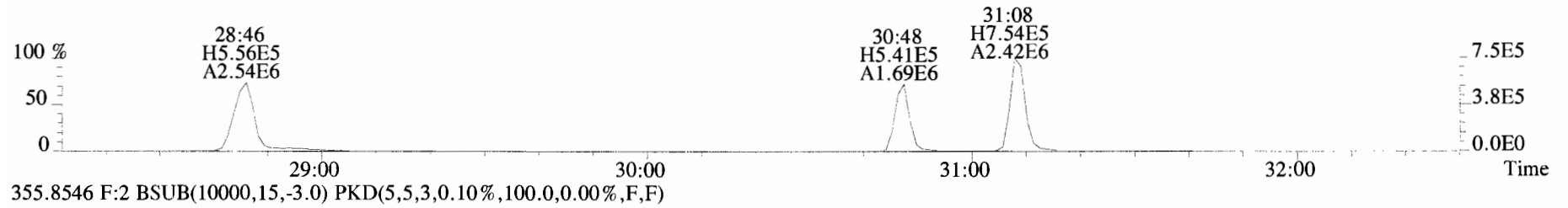
File:191014D2 #1-492 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
321.8936



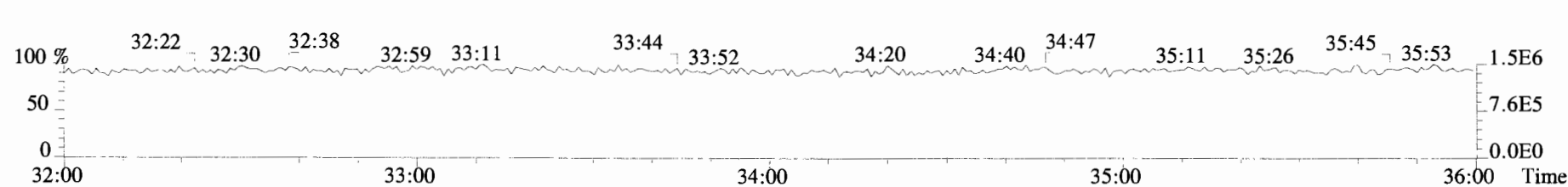
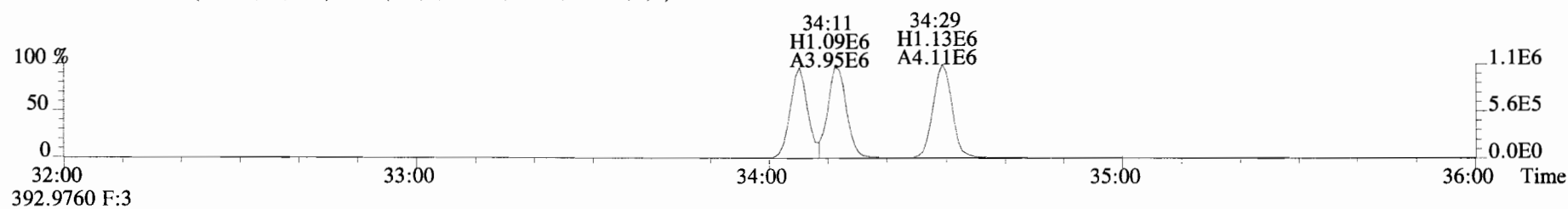
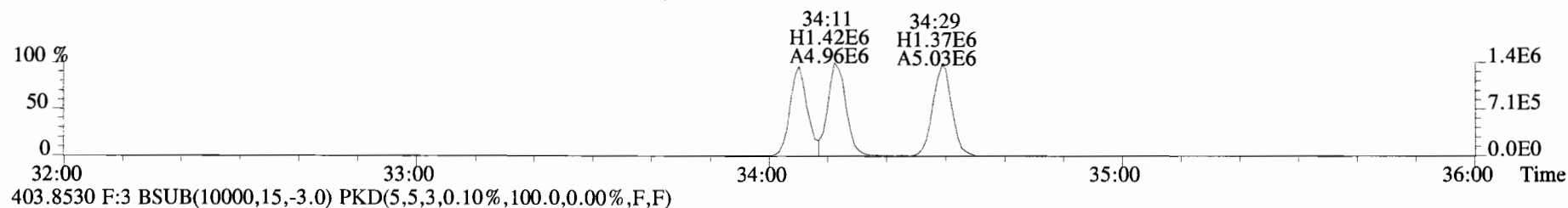
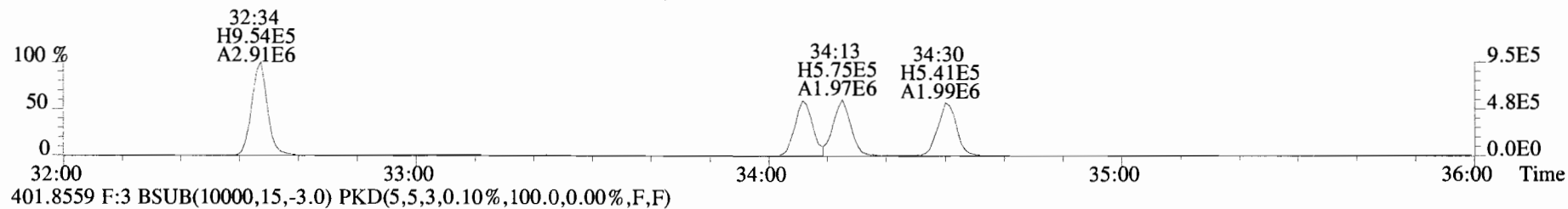
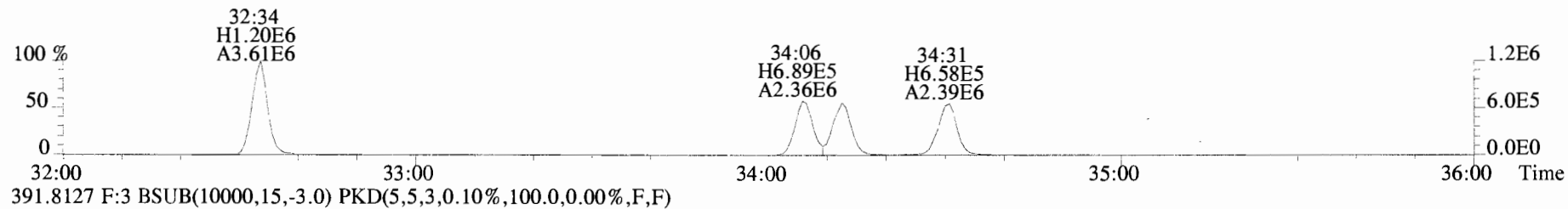
File:191014D2 #1-492 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



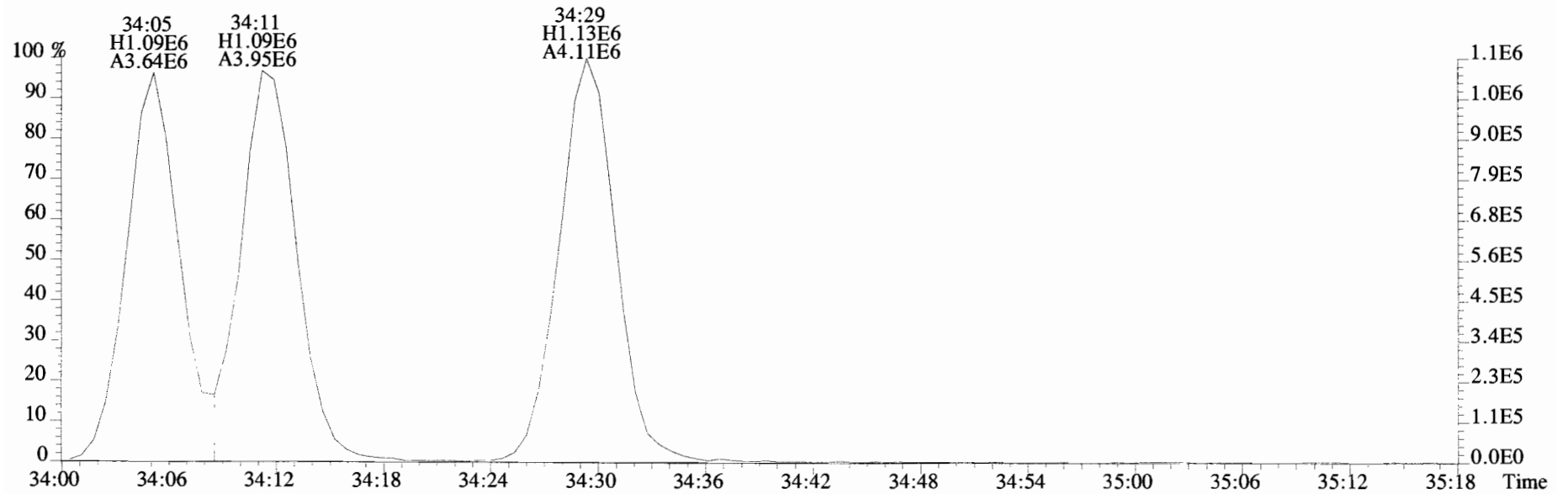
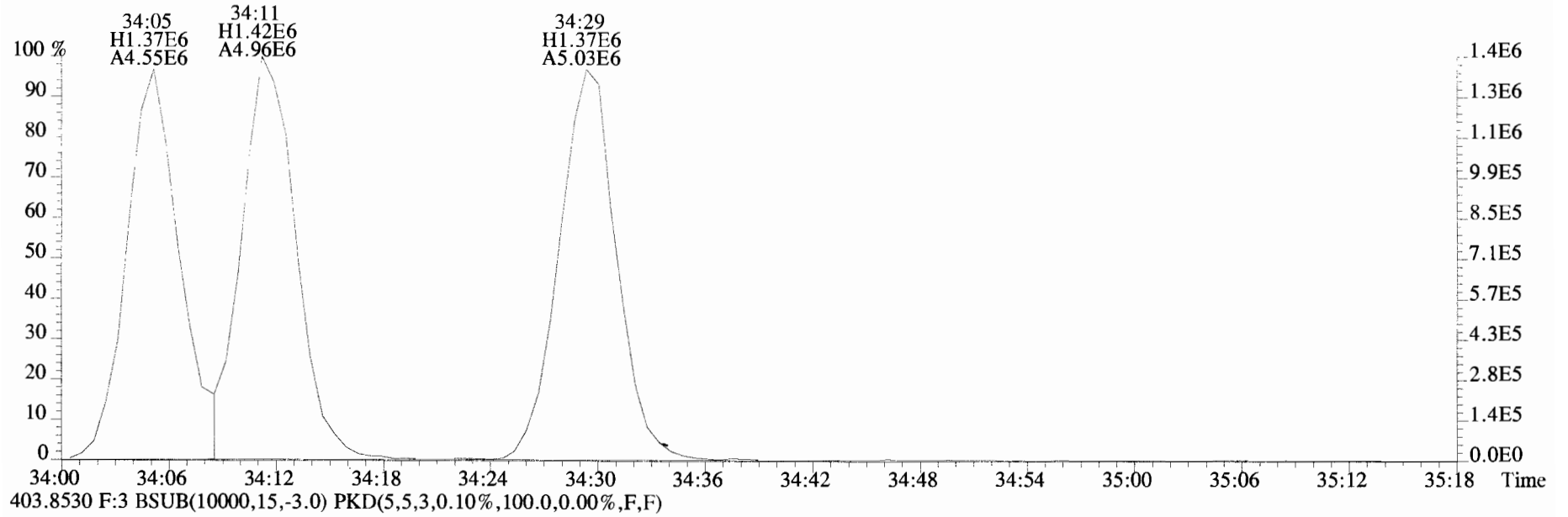
File:191014D2 #1-211 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



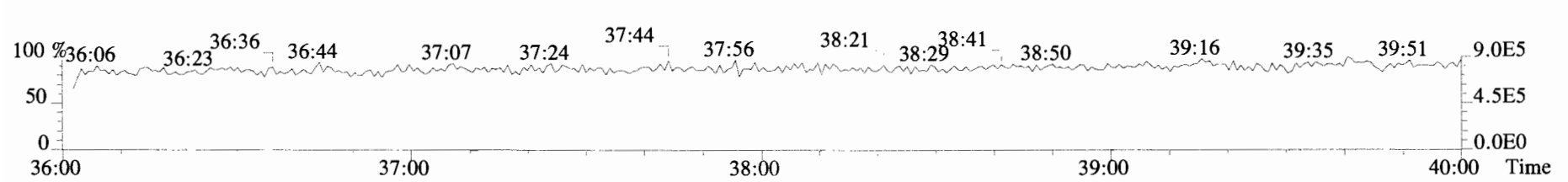
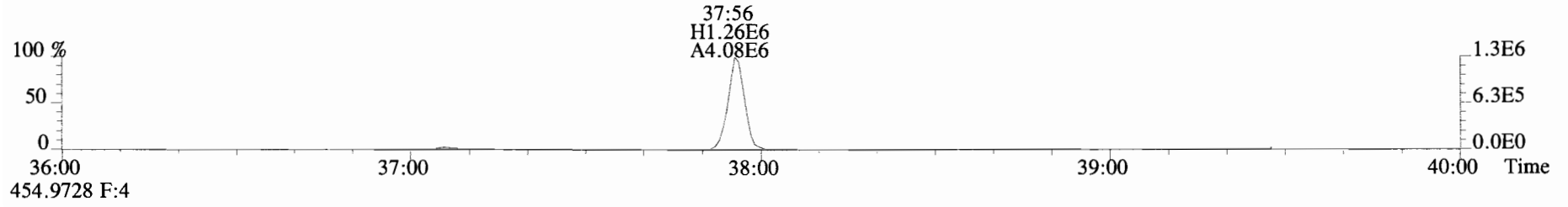
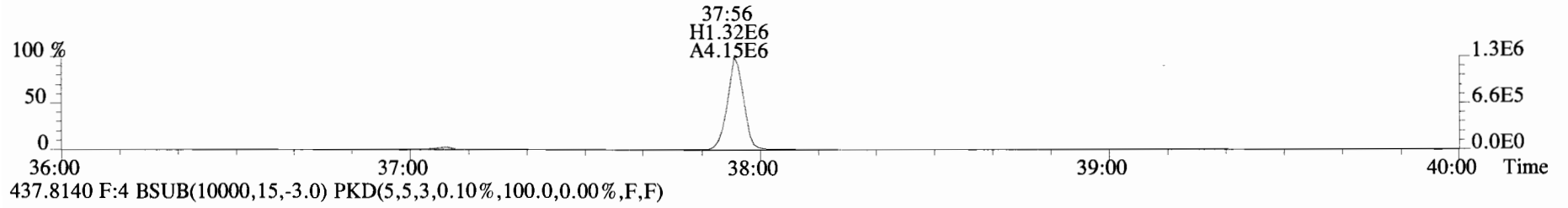
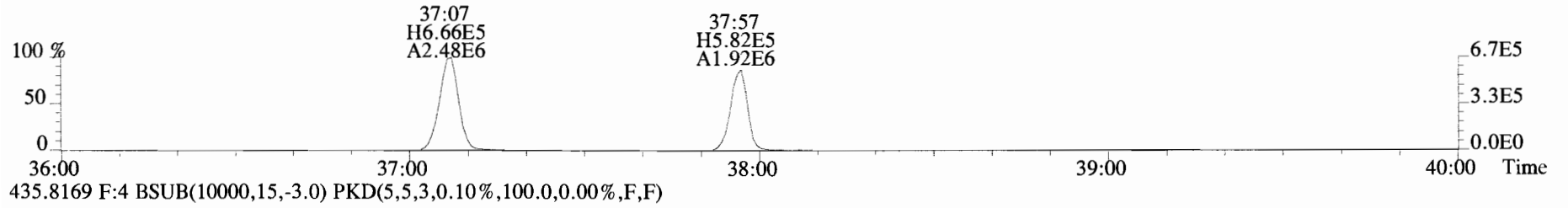
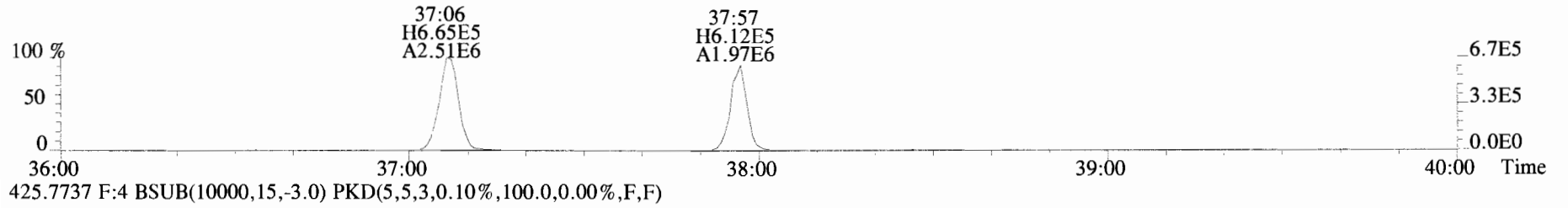
File:191014D2 #1-384 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



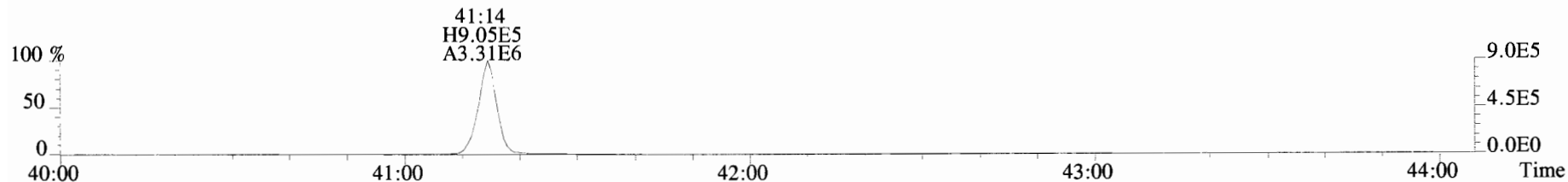
File:191014D2 #1-384 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



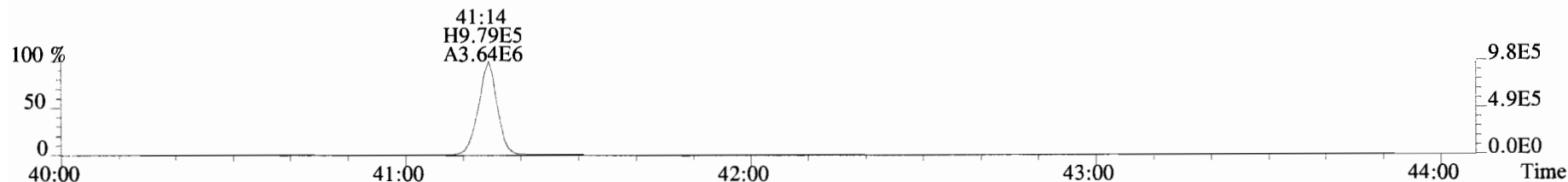
File:191014D2 #1-356 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



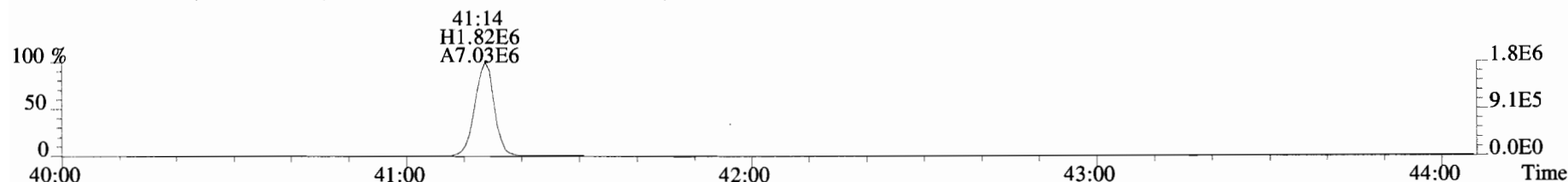
File:191014D2 #1-431 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



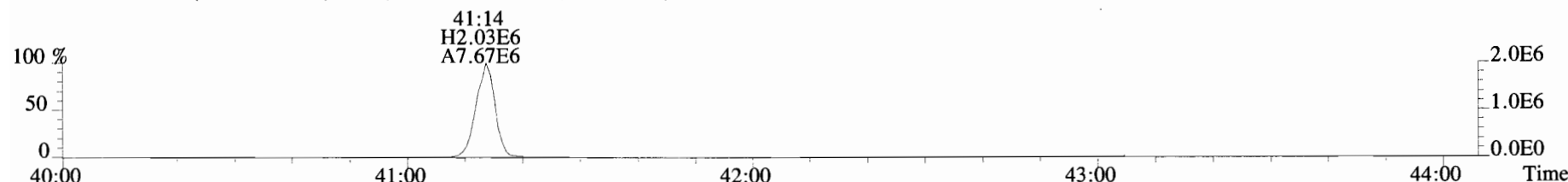
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



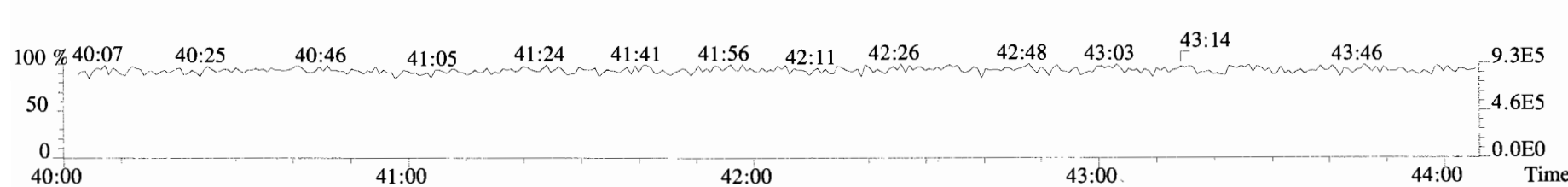
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



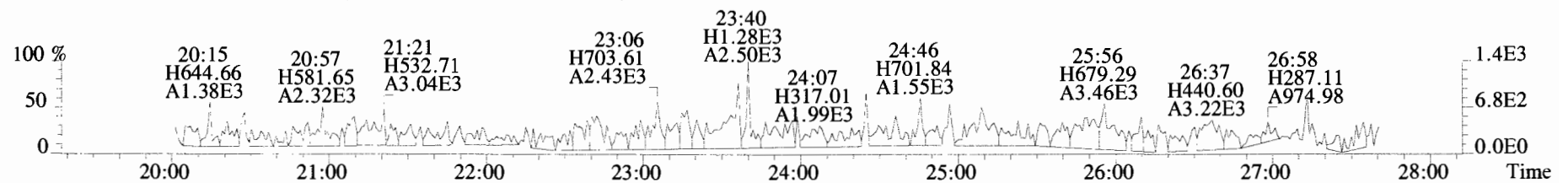
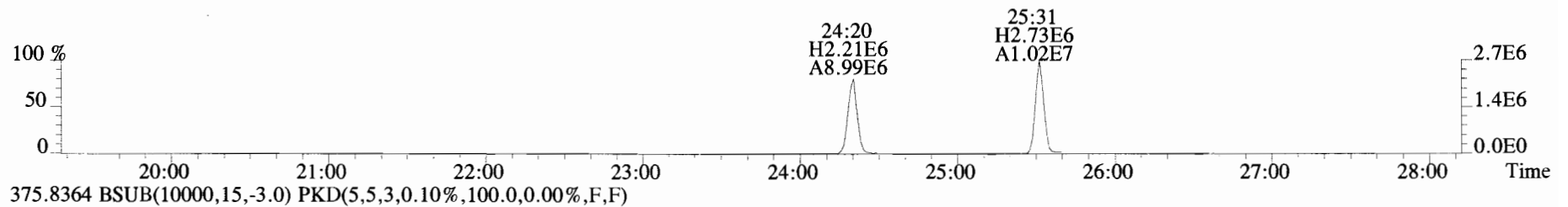
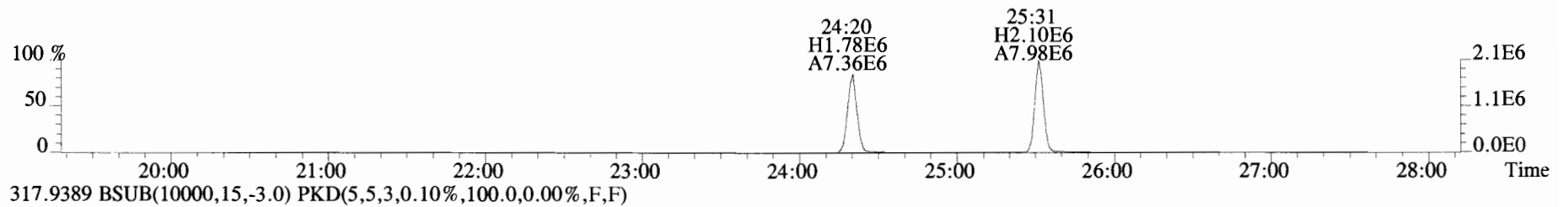
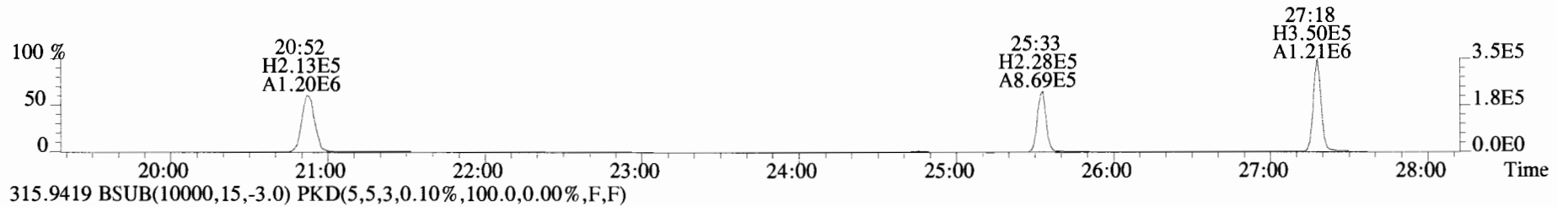
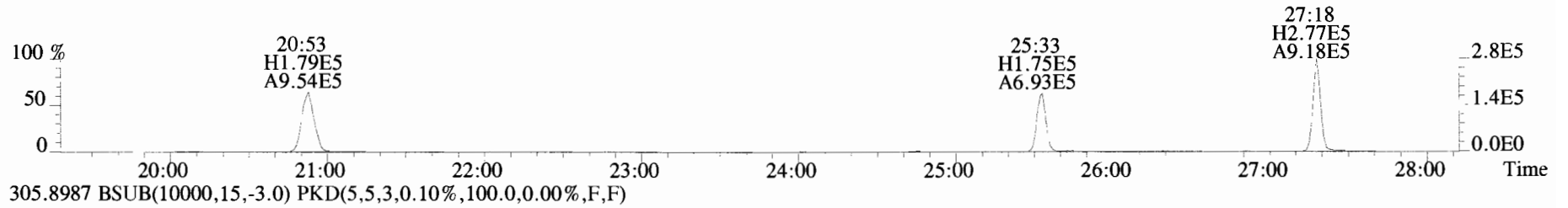
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



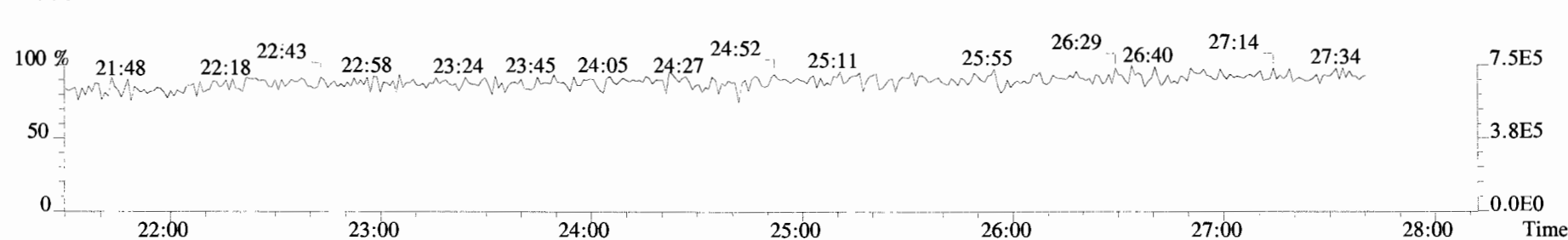
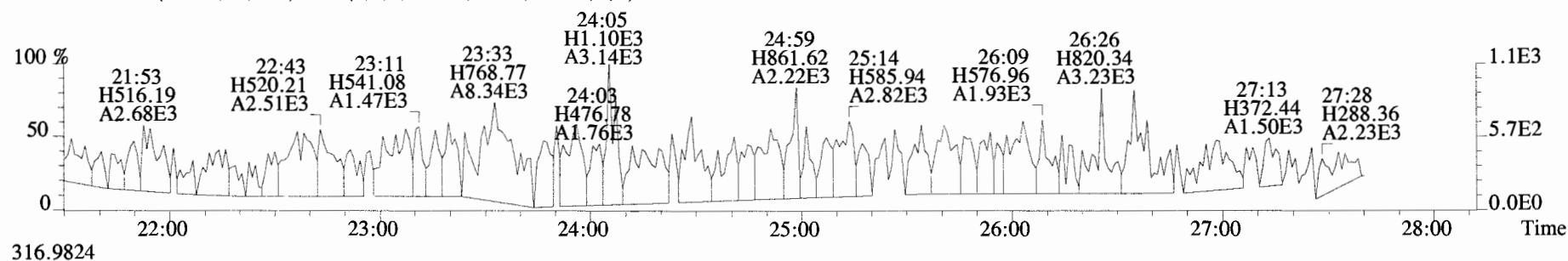
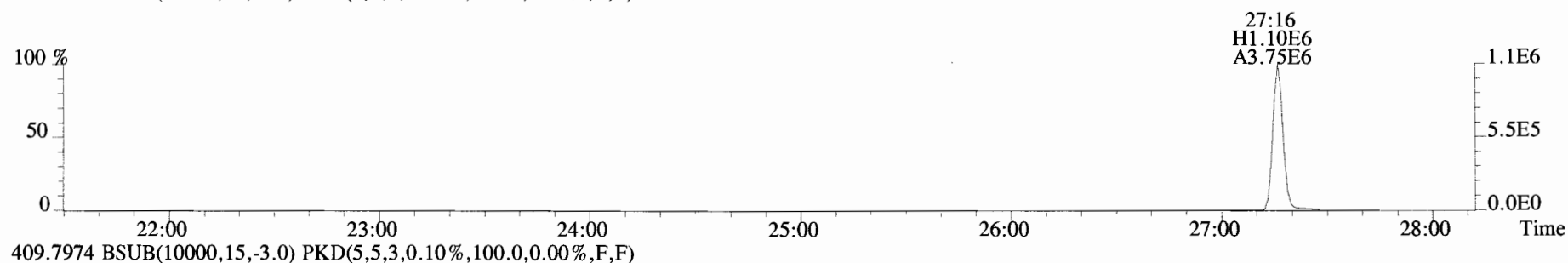
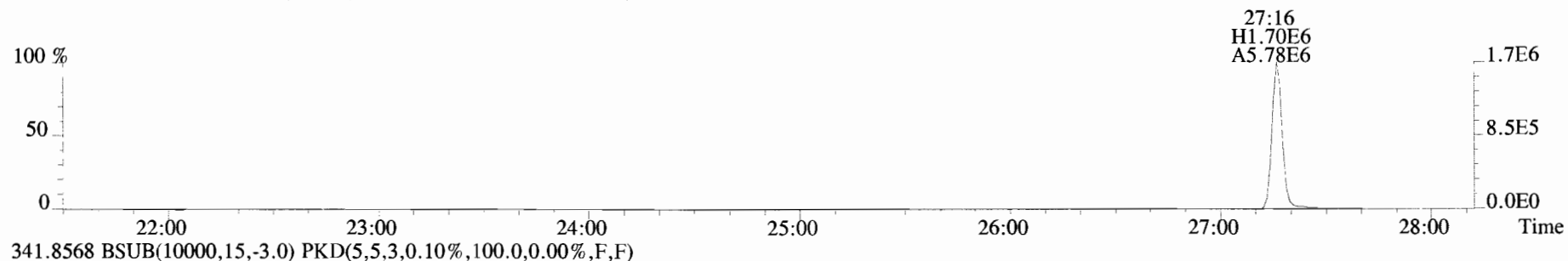
454.9728 F:5



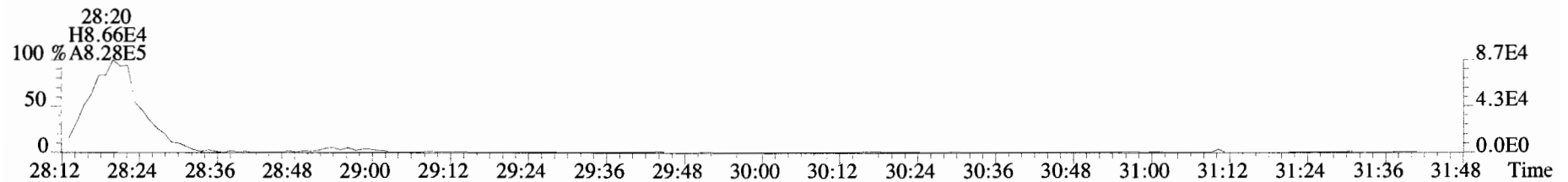
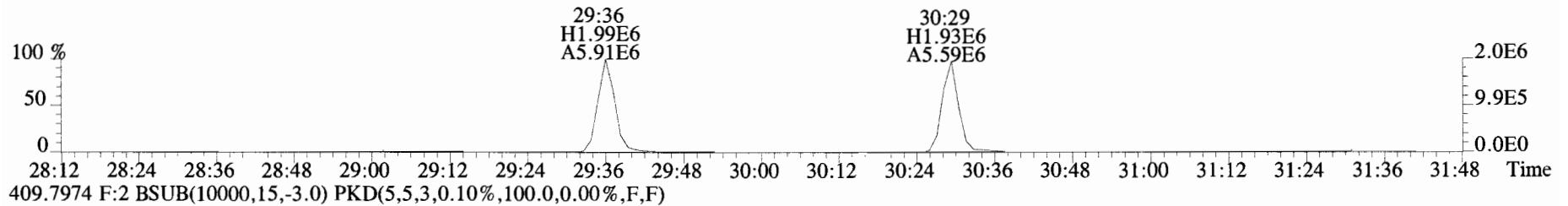
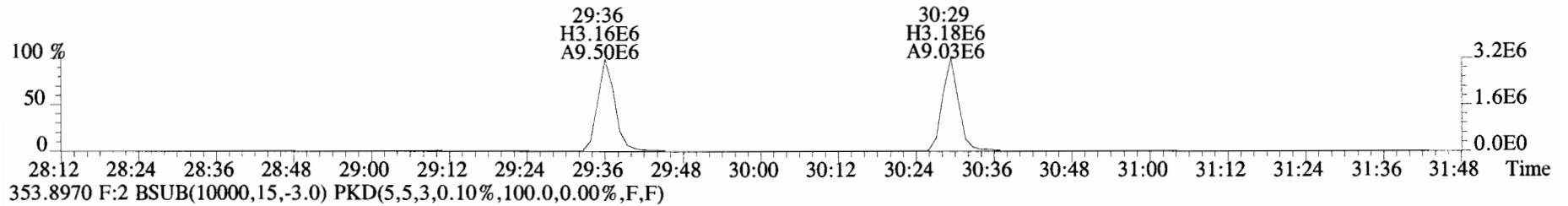
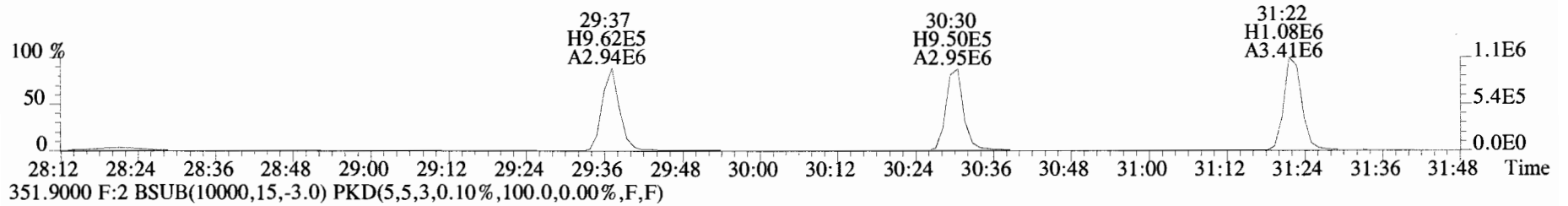
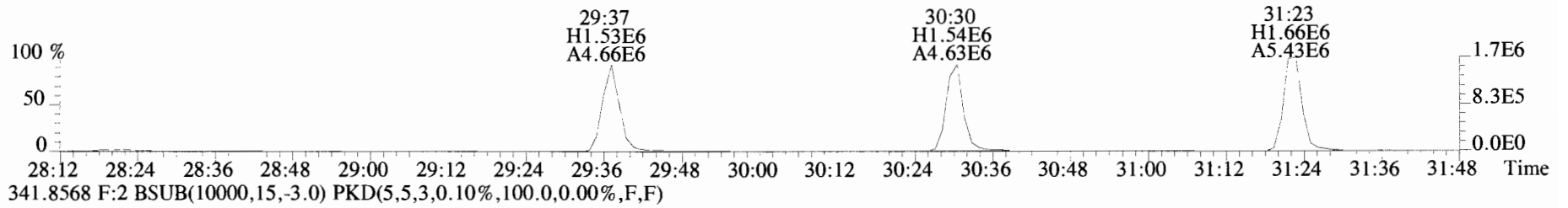
File:191014D2 #1-492 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



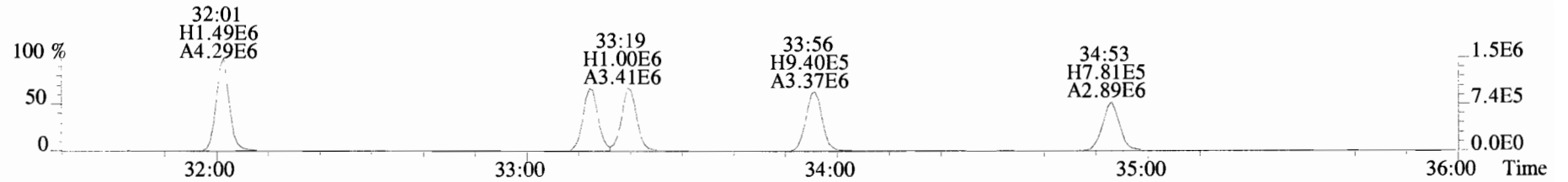
File:191014D2 #1-492 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



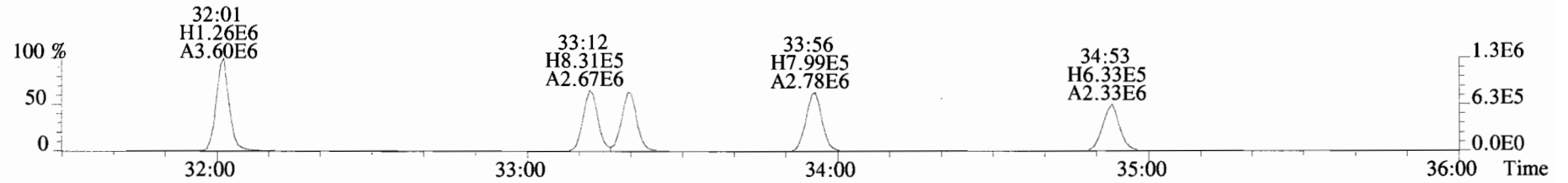
File:191014D2 #1-211 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



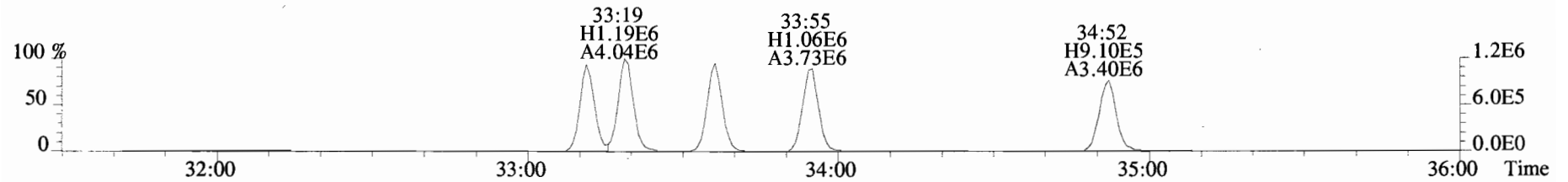
File:191014D2 #1-384 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



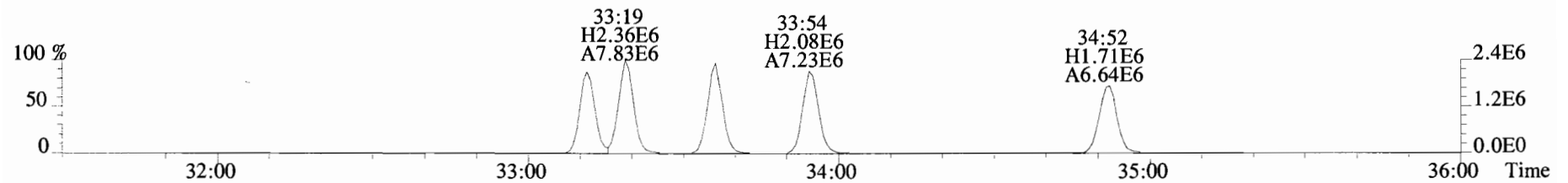
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



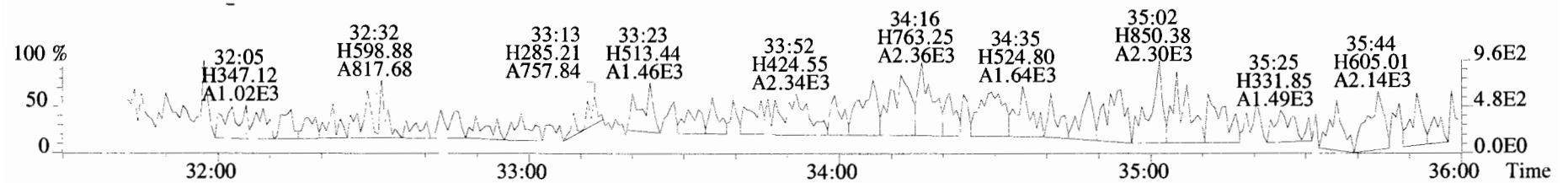
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



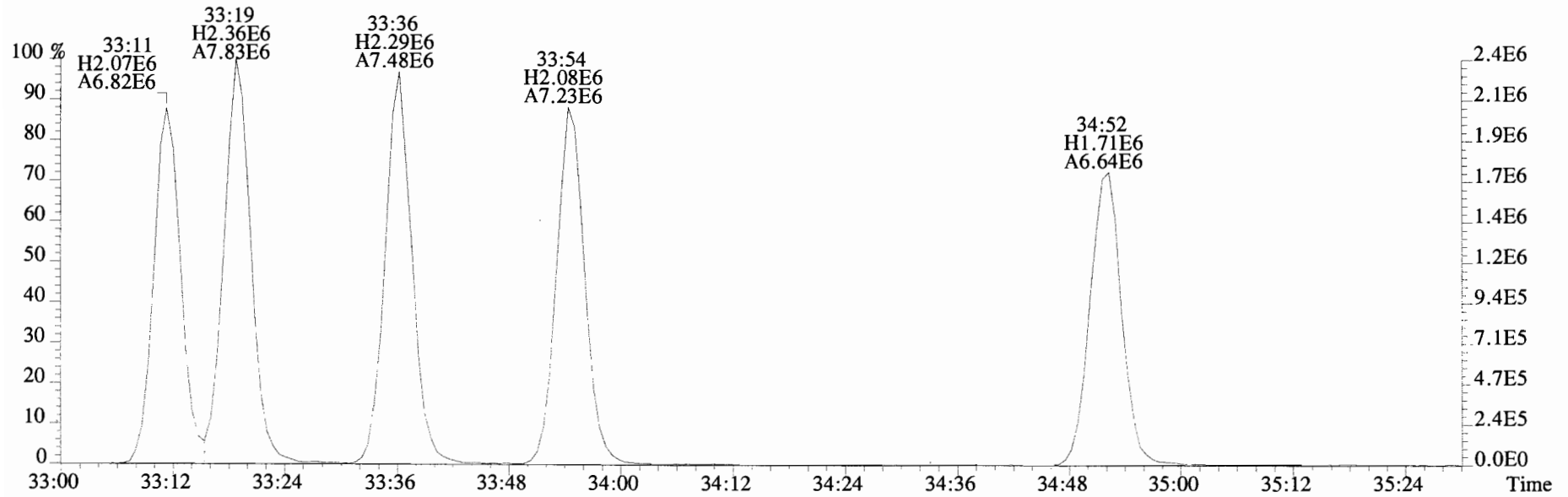
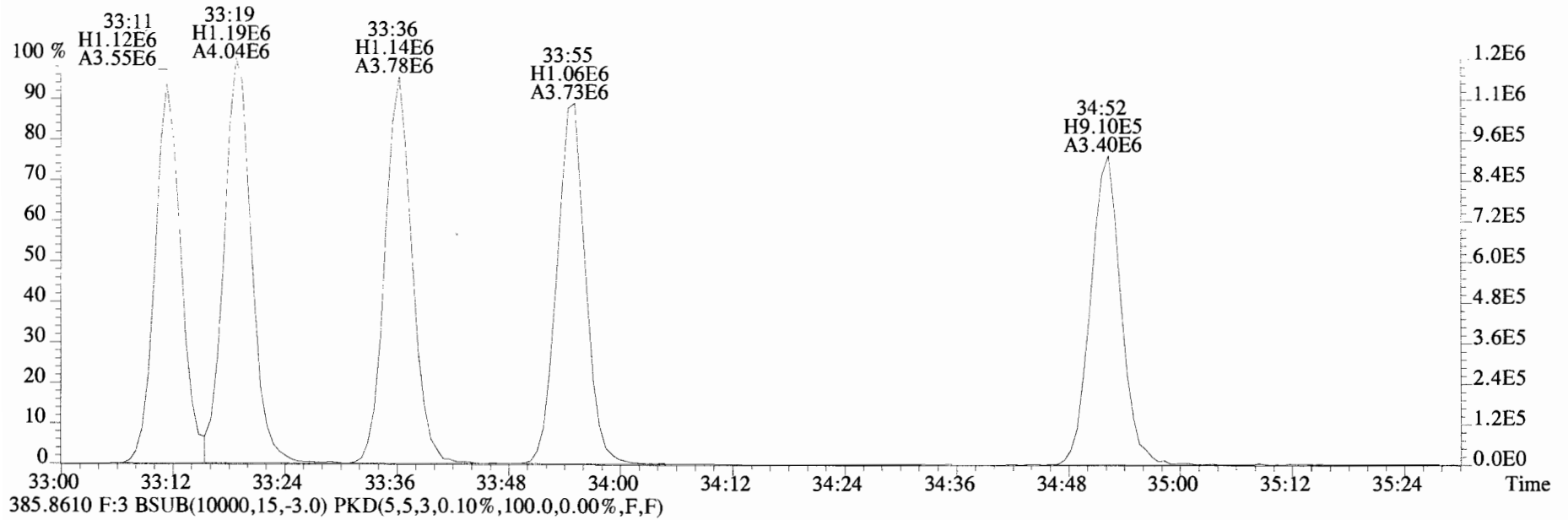
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



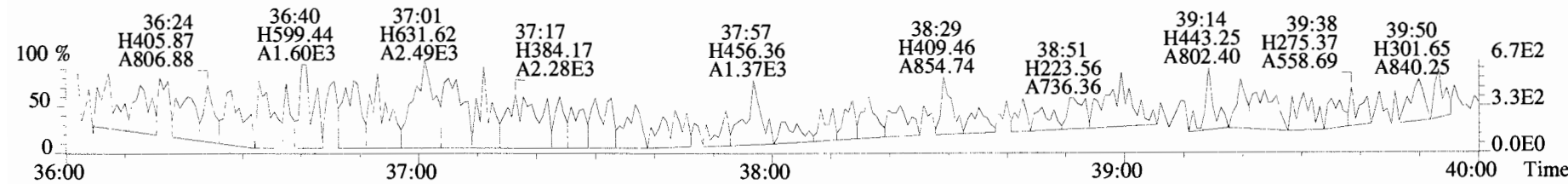
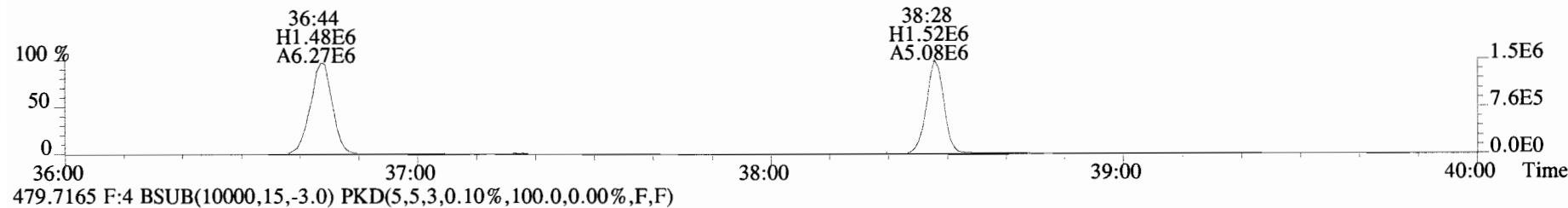
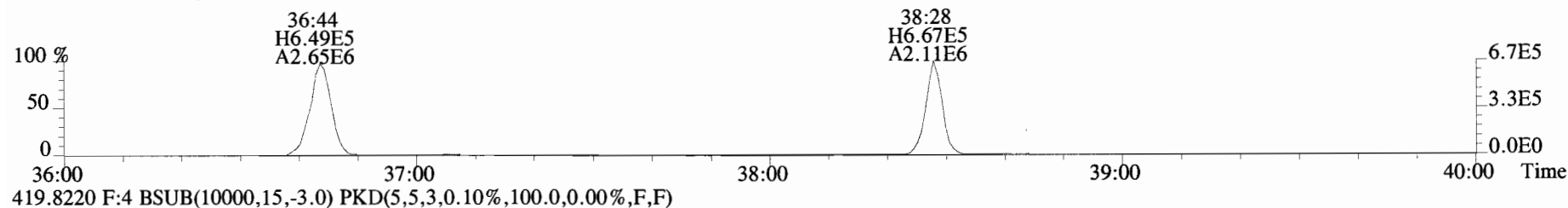
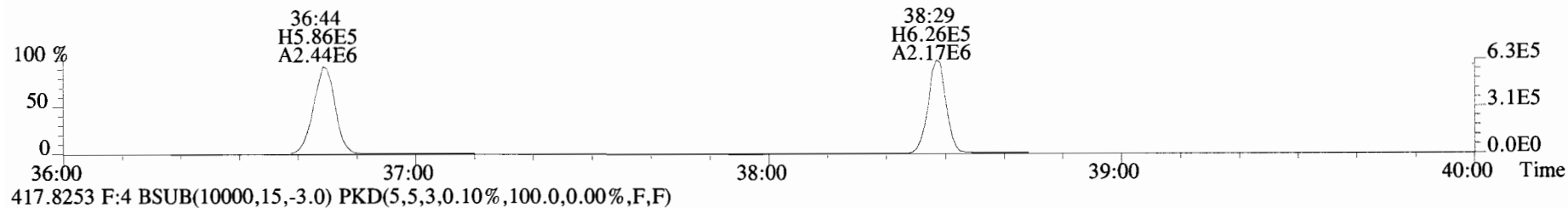
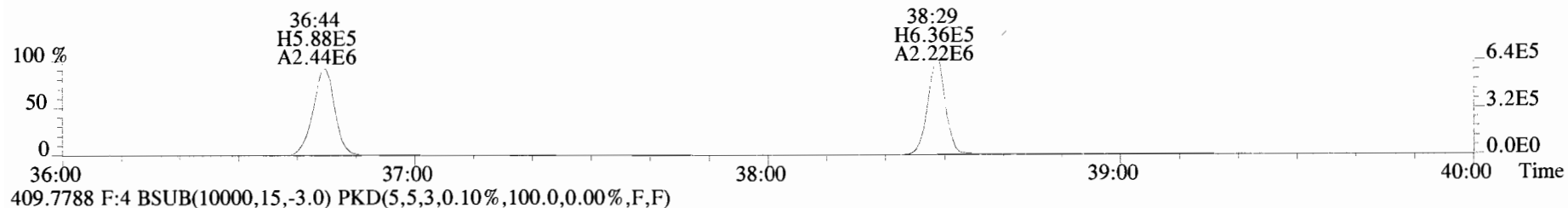
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



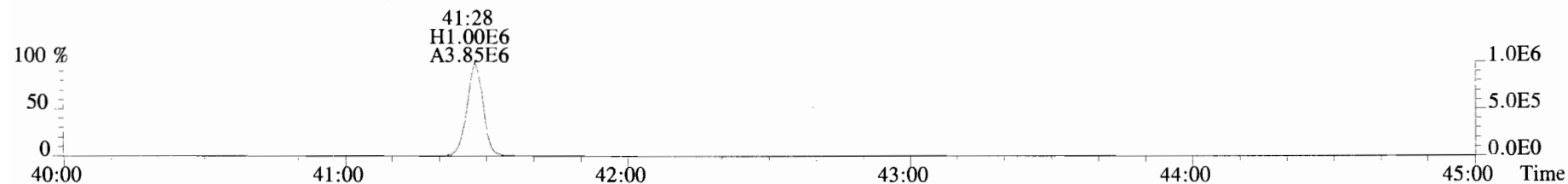
File:191014D2 #1-384 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



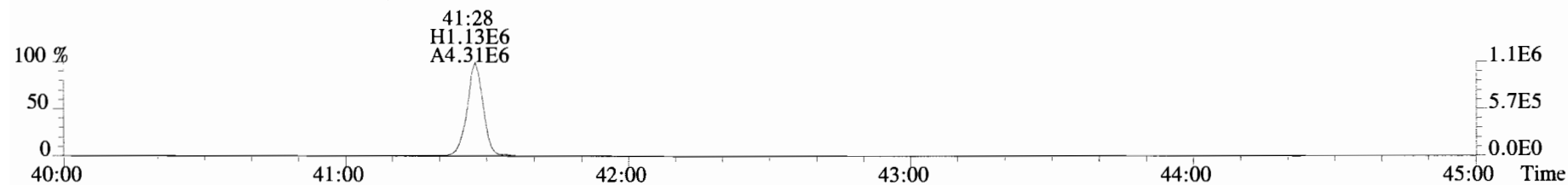
File:191014D2 #1-356 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



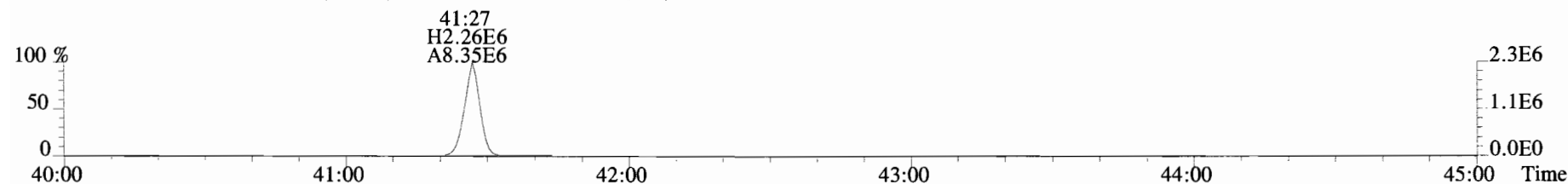
File:191014D2 #1-431 Acq:14-OCT-2019 17:09:59 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191014D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



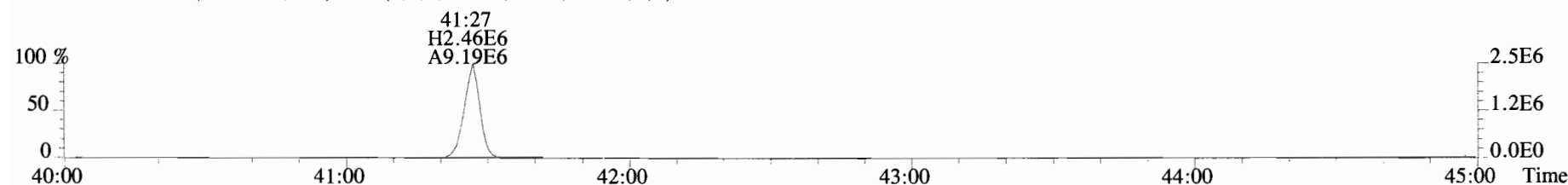
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



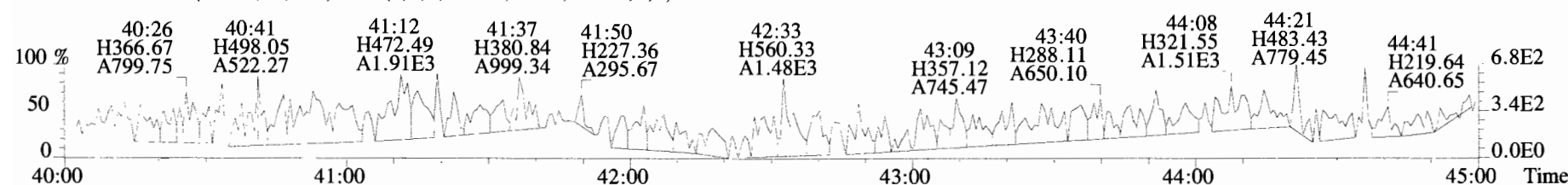
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

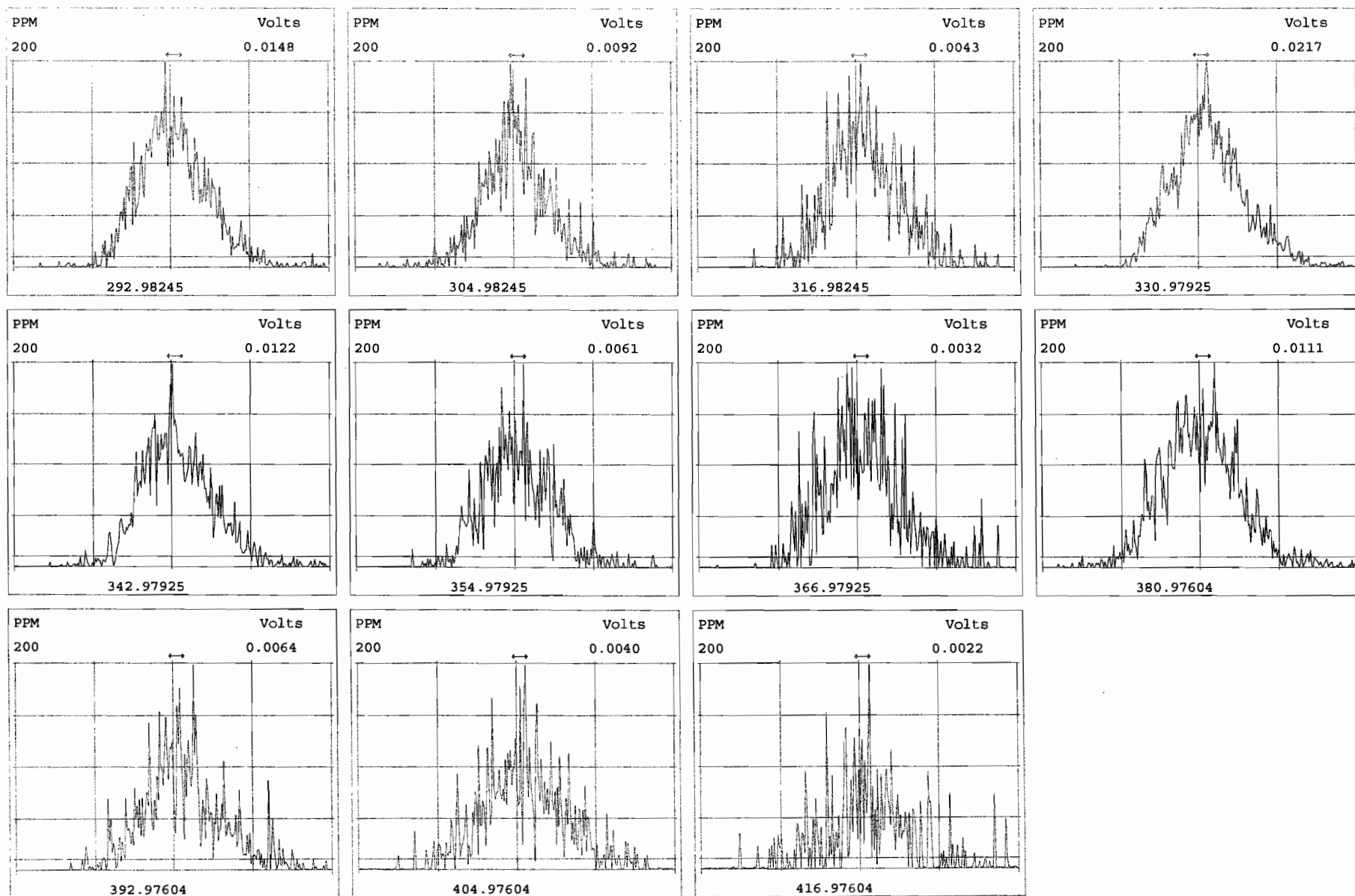


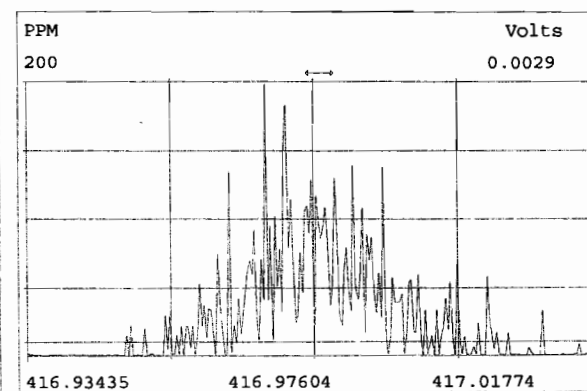
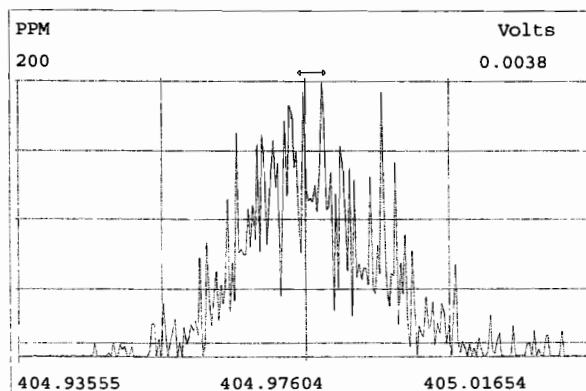
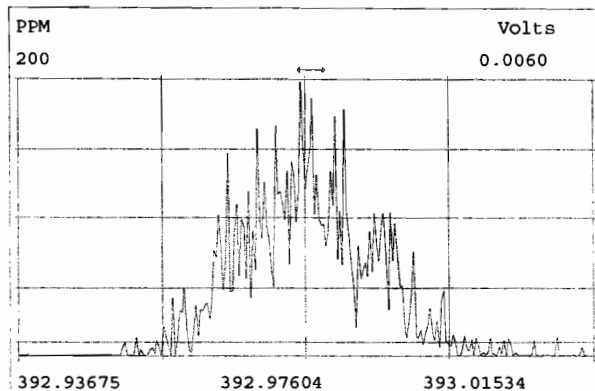
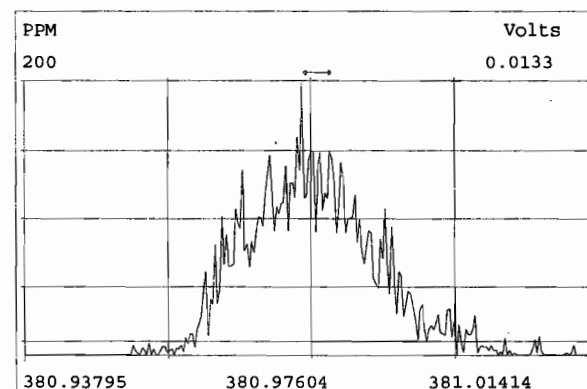
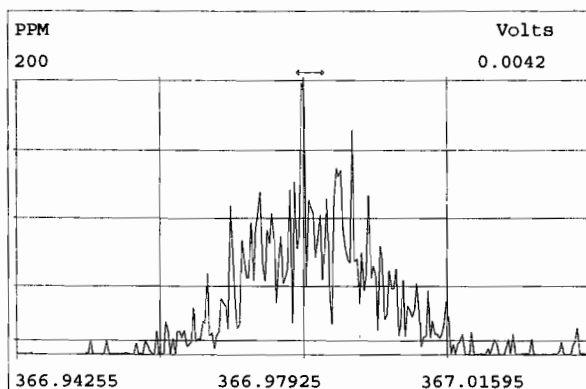
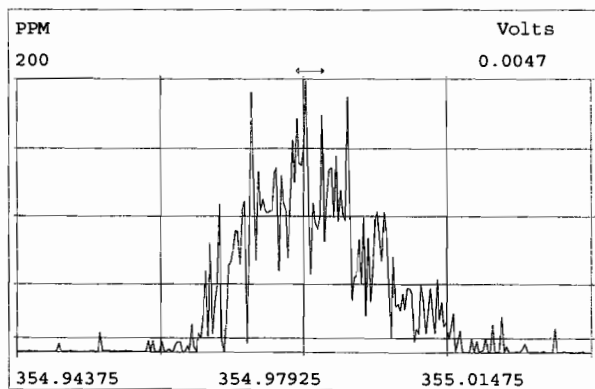
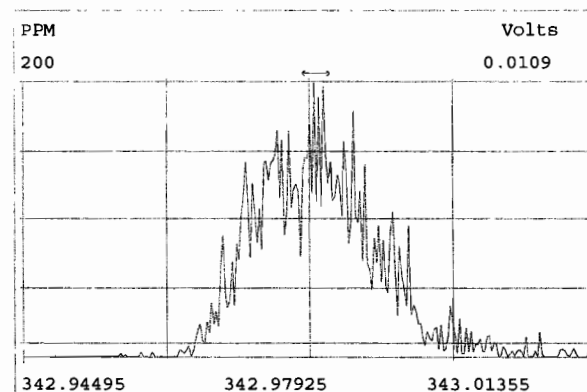
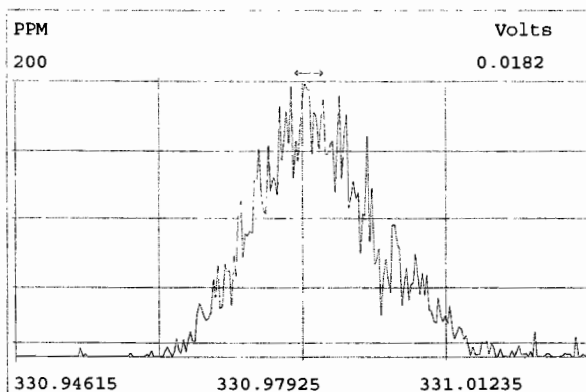
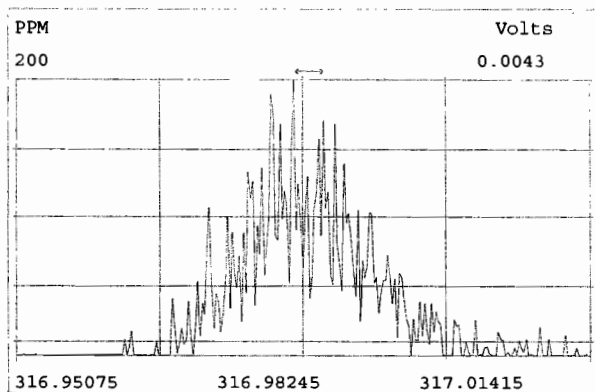
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

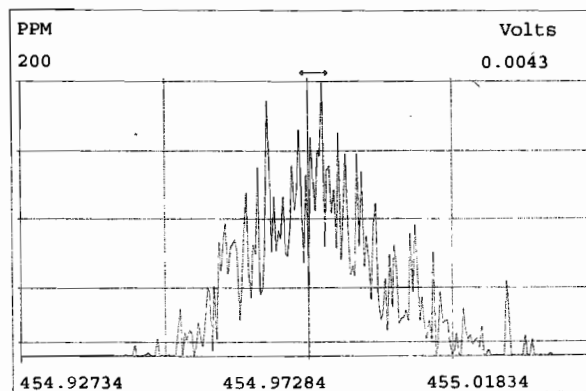
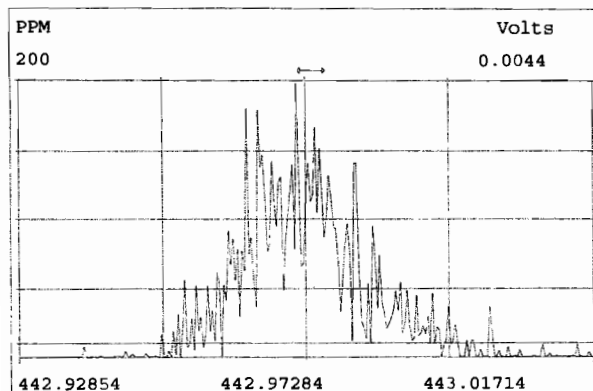
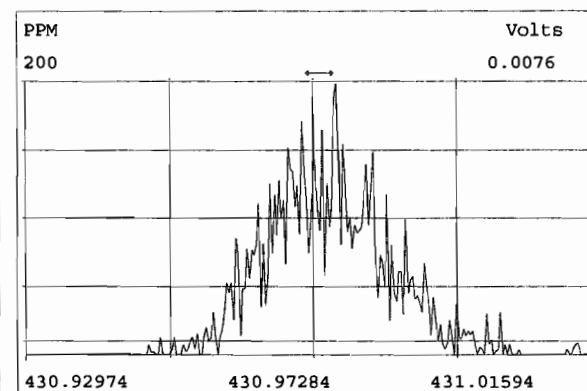
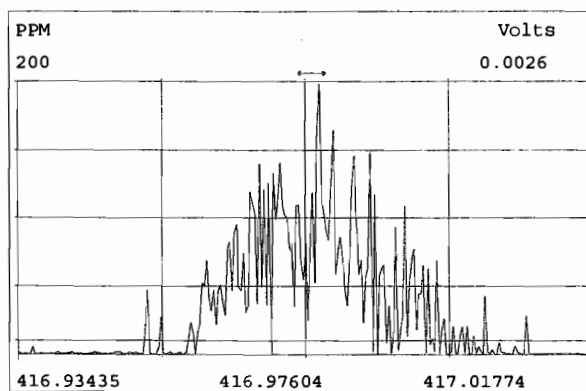
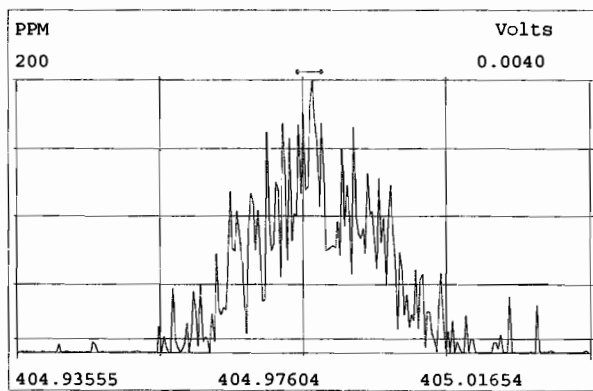
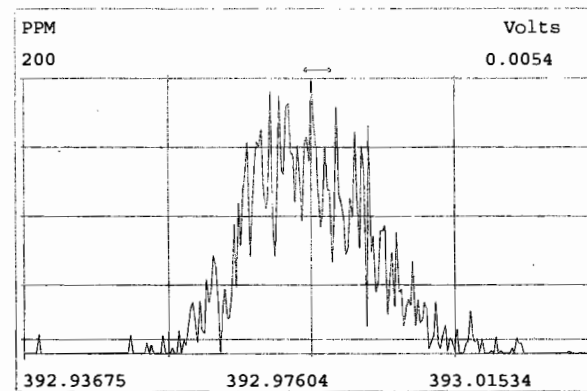
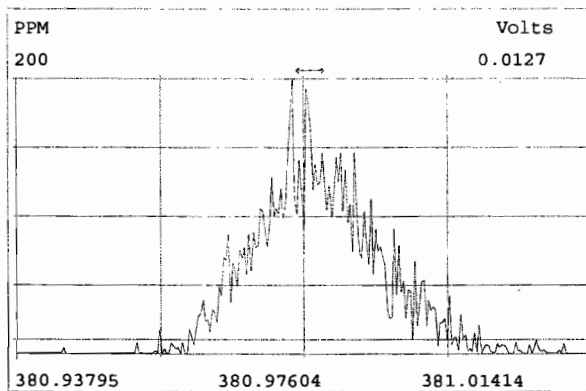
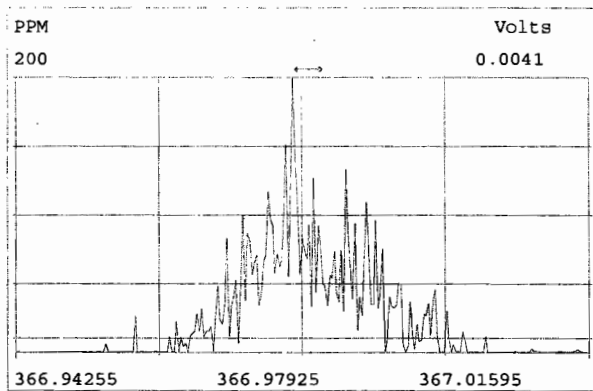


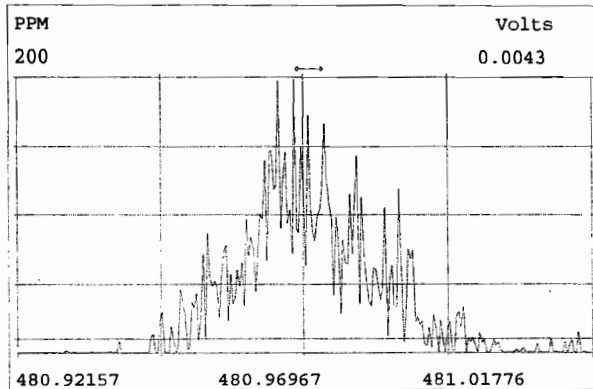
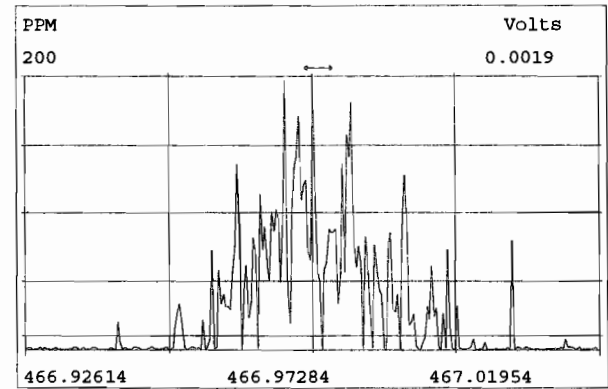
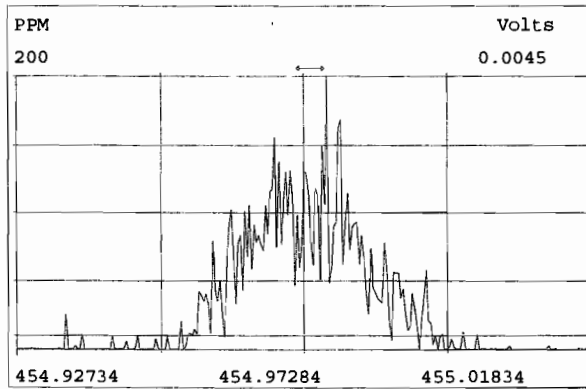
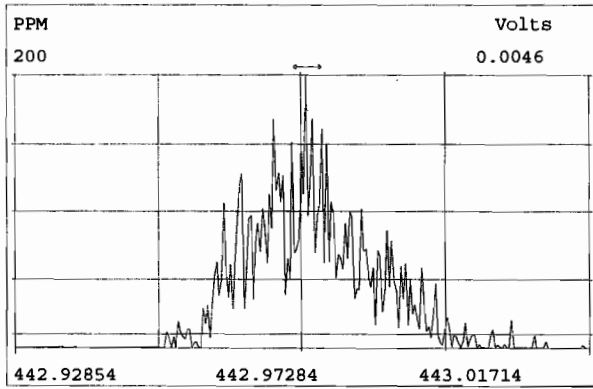
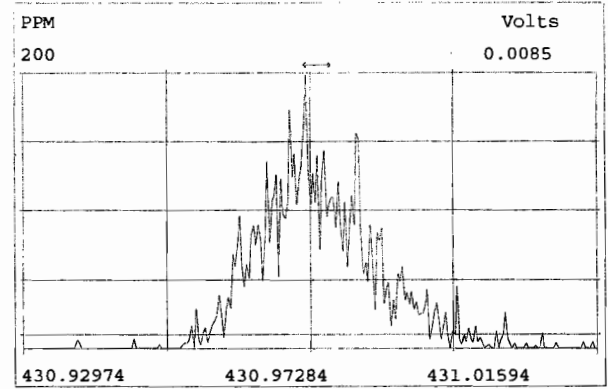
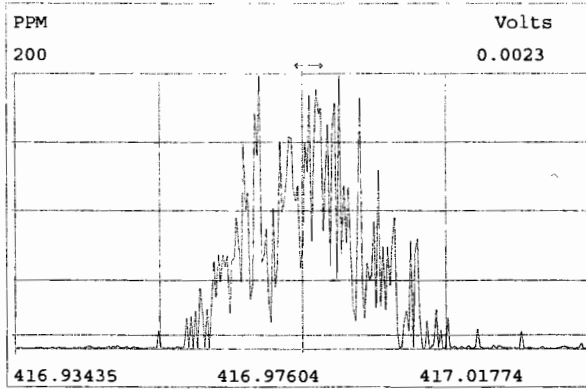
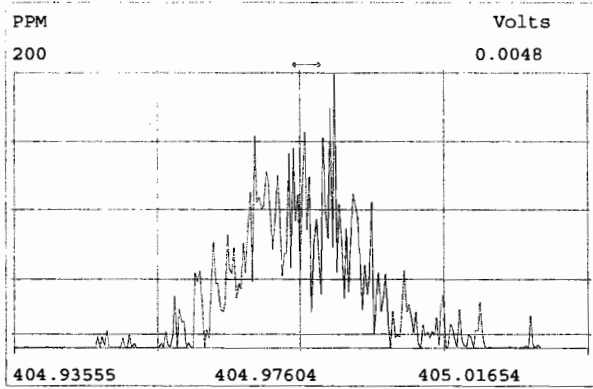
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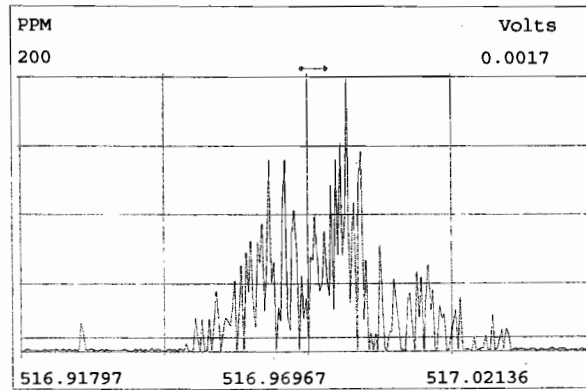
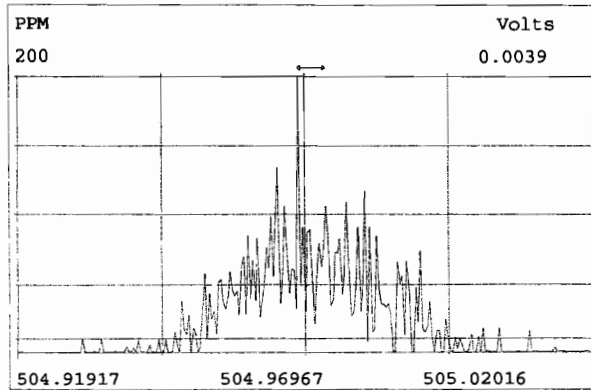
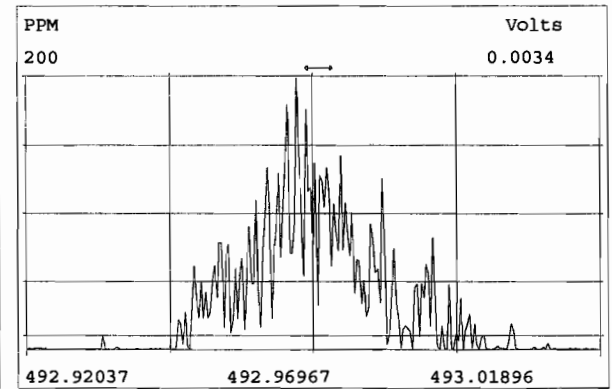
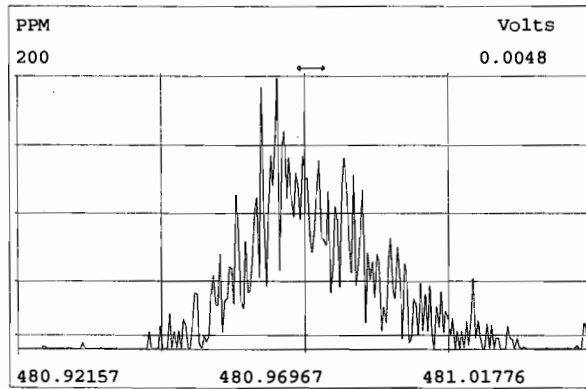
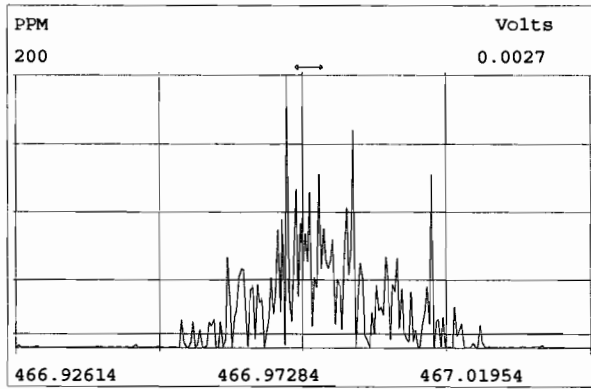
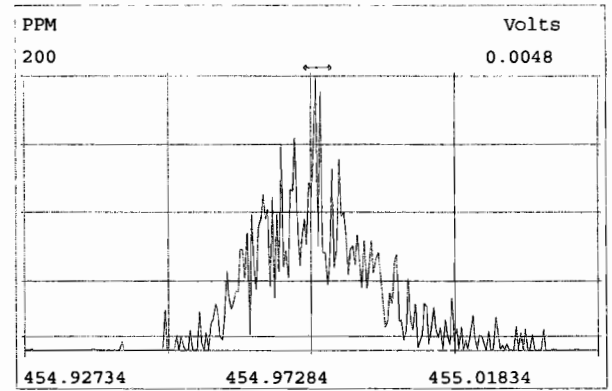
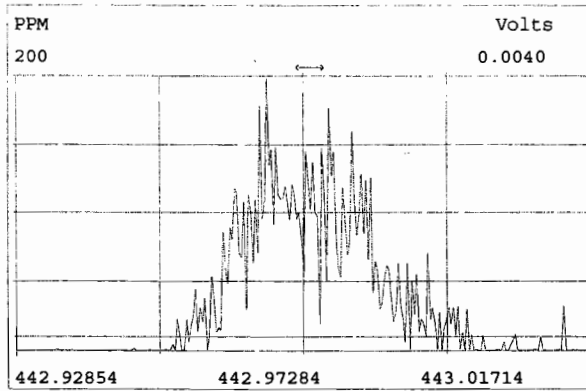
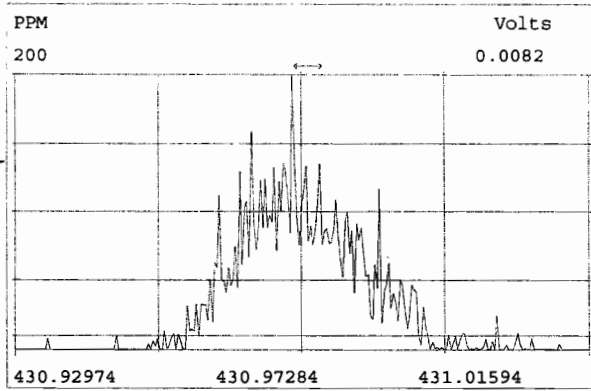












HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191029D1-1

Reviewed By: AT 10/30/19

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<input type="checkbox"/>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<u>DB</u>	<input type="checkbox"/>

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

NA

Comments:

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.: CCAL ID: ST191029D1-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191029D1 S#1 Analysis Date: 29-OCT-19 Time: 10:15:38

	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC. RANGE (3) (ng/mL)
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			
NATIVE ANALYTES						
2,3,7,8-TCDD	M/M+2	0.76	0.65-0.89	y	10.8	7.8 - 12.9
1,2,3,7,8-PeCDD	M/M+2	0.61	0.54-0.72	y	51.0	8.2 - 12.3 (4) 39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.21	1.05-1.43	y	50.9	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.21	1.05-1.43	y	50.3	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.20	1.05-1.43	y	51.5	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88-1.20	y	48.5	43.0 - 58.0
OCDD	M+2/M+4	0.90	0.76-1.02	y	103	79.0 - 126.0
2,3,7,8-TCDF	M/M+2	0.79	0.65-0.89	y	9.21	8.4 - 12.0 8.6 - 11.6 (4)
1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32-1.78	y	52.2	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32-1.78	y	50.9	41.0 - 61.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05-1.43	y	47.9	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.26	1.05-1.43	y	47.2	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.23	1.05-1.43	y	48.9	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.22	1.05-1.43	y	48.4	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.99	0.88-1.20	y	46.7	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.02	0.88-1.20	y	46.4	43.0 - 58.0
OCDF	M+2/M+4	0.90	0.76-1.02	y	94.9	63.0 - 159.0

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/29/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191029D1 S#1 Analysis Date: 29-OCT-19 Time: 10:15:38

Labeled Compounds	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC. RANGE (ng/mL)
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			
13C-2,3,7,8-TCDD	M/M+2	0.78	0.65-0.89	y	112	82.0 - 121.0
13C-1,2,3,7,8-PeCDD	M/M+2	0.61	0.54-0.72	y	103	62.0 - 160.0
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.31	1.05-1.43	y	110	85.0 - 117.0
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.31	1.05-1.43	y	98.2	85.0 - 118.0
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05-1.43	y	99.8	85.0 - 118.0
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.07	0.88-1.20	y	110	72.0 - 138.0
13C-OCDD	M/M+2	0.90	0.76-1.02	y	218	96.0 - 415.0
13C-2,3,7,8-TCDF	M+2/M+4	0.82	0.65-0.89	y	103	71.0 - 140.0
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32-1.78	y	106	76.0 - 130.0
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.56	1.32-1.78	y	106	77.0 - 130.0
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.50	0.43-0.59	y	106	76.0 - 131.0
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	101	70.0 - 143.0
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	103	73.0 - 137.0
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.51	0.43-0.59	y	104	74.0 - 135.0
13C-1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.44	0.37-0.51	y	103	78.0 - 129.0
13C-1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.45	0.37-0.51	y	110	77.0 - 129.0
13C-OCDF	M+2/M+4	0.87	0.76-1.02	y	223	96.0 - 415.0
CLEANUP STANDARD (3)						
37Cl-2,3,7,8-TCDD					10.2	7.9 - 12.7

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/29/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191029D1 S#1 Analysis Date: 29-OCT-19 Time: 10:15:38

Compounds Using 13C-1234-TCDD as RT Internal Standard

NATIVE ANALYTES	RETENTION TIME		RRT	QC LIMITS (1)
	REFERENCE			
2,3,7,8-TCDD	13C-2,3,7,8-TCDD		1.001	0.999-1.002
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD		1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF		1.001	0.999-1.003
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF		1.000	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF		1.000	0.999-1.002

LABELED COMPOUNDS

13C-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.976-1.043
13C-1,2,3,7,8-PeCDD	13C-1,2,3,4-TCDD	1.198	1.000-1.567
13C-2,3,7,8-TCDF	13C-1,2,3,4-TCDD	0.992	0.923-1.103
13C-1,2,3,7,8-PeCDF	13C-1,2,3,4-TCDD	1.152	1.000-1.425
13C-2,3,4,7,8-PeCDF	13C-1,2,3,4-TCDD	1.187	1.011-1.526
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.989-1.052

Analyst: DB

Date: 10/29/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191029D1 S#1 Analysis Date: 29-OCT-19 Time: 10:15:38

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	RRT QC LIMITS (1)
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.000	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.000	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.001	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.000	0.999-1.001
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.001	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.001	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,7,8,9-HxCDD	1.000	0.998-1.004
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001
OCDD	13C-OCDD	1.000	0.999-1.001
OCDF	13C-OCDF	1.000	0.999-1.001

LABELED COMPOUNDS

13C-1,2,3,4,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.988	0.975-1.001
13C-1,2,3,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.992	0.979-1.005
13C-2,3,4,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.009	1.001-1.020
13C-1,2,3,7,8,9-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.038	1.002-1.072
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.014	1.002-1.026
13C-1,2,3,6,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.018	1.007-1.029
13C-1,2,3,7,8,9-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.027	1.014-1.038
13C-1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.093	1.069-1.111
13C-1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.146	1.098-1.192
13C-1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,9-HxCDF	1.130	1.117-1.141
13C-OCDD	13C-1,2,3,4,6,9-HxCDF	1.229	1.085-1.365
13C-OCDF	13C-1,2,3,4,6,9-HxCDF	1.236	1.091-1.371

Analyst: DB

Date: 10/29/19

Client ID: 1613 CS? 19C2204
Lab ID: ST191029D1-1

Filename: ^91029D1 S:1 Acq:29-OCT-19 10:15:38
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191029D1-1
EndCAL: NA

Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	8.83e+05	0.76 y	0.91	26:14	10.833		* 2.5		*	Total Tetra-Dioxins	73.5	74.3	*	*	
1,2,3,7,8-PeCDD	3.04e+06	0.61 y	0.90	30:45	50.988		* 2.5		*	Total Penta-Dioxins	193	194	*	*	
1,2,3,4,7,8-HxCDD	3.04e+06	1.21 y	1.10	34:04	50.856		* 2.5		*	Total Hexa-Dioxins	227	227	*	*	
1,2,3,6,7,8-HxCDD	3.04e+06	1.21 y	0.94	34:11	50.256		* 2.5		*	Total Hepta-Dioxins	115	116	*	*	
1,2,3,7,8,9-HxCDD	3.06e+06	1.20 y	0.96	34:28	51.544		* 2.5		*	Total Tetra-Furans	34.7	35.8	*	*	
1,2,3,4,6,7,8-HpCDD	2.61e+06	1.05 y	0.98	37:57	48.519		* 2.5		*	Total Penta-Furans	229.18	229.26	*	*	
OCDD	4.78e+06	0.90 y	0.96	41:16	102.73		* 2.5		*	Total Hexa-Furans	256	256	*	*	
										Total Hepta-Furans	93.9	95.5	*	*	
2,3,7,8-TCDF	9.94e+05	0.79 y	0.95	25:27	9.2148		* 2.5		*						
1,2,3,7,8-PeCDF	4.83e+06	1.58 y	0.96	29:34	52.152		* 2.5		*						
2,3,4,7,8-PeCDF	4.94e+06	1.56 y	1.01	30:28	50.886		* 2.5		*						
1,2,3,4,7,8-HxCDF	3.81e+06	1.23 y	1.18	33:10	47.883		* 2.5		*						
1,2,3,6,7,8-HxCDF	4.06e+06	1.26 y	1.07	33:18	47.222		* 2.5		*						
2,3,4,6,7,8-HxCDF	4.10e+06	1.23 y	1.11	33:54	48.936		* 2.5		*						
1,2,3,7,8,9-HxCDF	3.41e+06	1.22 y	1.06	34:51	48.406		* 2.5		*						
1,2,3,4,6,7,8-HpCDF	3.15e+06	0.99 y	1.13	36:42	46.665		* 2.5		*						
1,2,3,4,7,8,9-HpCDF	2.90e+06	1.02 y	1.28	38:30	46.357		* 2.5		*						
OCDF	5.29e+06	0.90 y	0.95	41:30	94.854		* 2.5		*						
IS	13C-2,3,7,8-TCDD	9.01e+06	0.78 y	1.10	26:13	112.45				Rec			Qual		
IS	13C-1,2,3,7,8-PeCDD	6.61e+06	0.61 y	0.88	30:44	102.57				112			103		
IS	13C-1,2,3,4,7,8-HxCDD	5.43e+06	1.31 y	0.64	34:03	110.27				110			110		
IS	13C-1,2,3,6,7,8-HxCDD	6.44e+06	1.31 y	0.86	34:10	98.225				98.2			98.2		
IS	13C-1,2,3,7,8,9-HxCDD	6.17e+06	1.27 y	0.81	34:28	99.839				99.8			99.8		
IS	13C-1,2,3,4,6,7,8-HpCDD	5.50e+06	1.07 y	0.65	37:56	109.71				110			110		
IS	13C-OCDD	9.71e+06	0.90 y	0.58	41:16	218.37				109			109		
IS	13C-2,3,7,8-TCDF	1.14e+07	0.82 y	1.03	25:26	103.27				103			103		
IS	13C-1,2,3,7,8-PeCDF	9.65e+06	1.57 y	0.85	29:33	106.34				106			106		
IS	13C-2,3,4,7,8-PeCDF	9.56e+06	1.56 y	0.85	30:27	106.27				106			106		
IS	13C-1,2,3,4,7,8-HxCDF	6.76e+06	0.50 y	0.83	33:09	106.08				106			106		
IS	13C-1,2,3,6,7,8-HxCDF	8.04e+06	0.51 y	1.03	33:17	101.38				101			101		
IS	13C-2,3,4,6,7,8-HxCDF	7.52e+06	0.51 y	0.95	33:53	102.86				103			103		
IS	13C-1,2,3,7,8,9-HxCDF	6.63e+06	0.51 y	0.83	34:50	104.48				104			104		
IS	13C-1,2,3,4,6,7,8-HpCDF	6.00e+06	0.44 y	0.76	36:42	103.24				103			103		
IS	13C-1,2,3,4,7,8,9-HpCDF	4.88e+06	0.45 y	0.58	38:29	109.51				110			110		
IS	13C-OCDF	1.18e+07	0.87 y	0.69	41:29	222.81				111			111		
C/Up	37C1-2,3,7,8-TCDD	8.97e+05		1.20	26:14	10.243				102			Integrations		Reviewed
RS/RT	13C-1,2,3,4-TCDD	7.31e+06	0.77 y	1.00	25:39	100.00				by			Analyst: <u>DB</u>		Analyst: <u>CT</u>
RS	13C-1,2,3,4-TCDF	1.06e+07	0.81 y	1.00	24:13	100.00				Analyst:					
RS/RT	13C-1,2,3,4,6,9-HxCDF	7.67e+06	0.52 y	1.00	33:34	100.00				Date: <u>10/29/19</u>			Date: <u>10/30/19</u>		

Vista Analytical Laboratory - Injection Log Run file: 191029D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191029D1	1	ST191029D1-1	DB	29-OCT-19	10:15:38	ST191029D1-1	NA
191029D1	2	B9J0132-BS1	DB	29-OCT-19	11:03:33	ST191029D1-1	NA
191029D1	3	B9J0286-BS1	DB	29-OCT-19	11:51:28	ST191029D1-1	NA
191029D1	4	B9J0253-BS1	DB	29-OCT-19	12:39:19	ST191029D1-1	NA
191029D1	5	SOLVENT BLANK	DB	29-OCT-19	13:27:14	ST191029D1-1	NA
191029D1	6	B9J0286-BLK1	DB	29-OCT-19	14:15:00	ST191029D1-1	NA
191029D1	7	B9J0253-BLK1	DB	29-OCT-19	15:02:56	ST191029D1-1	NA
191029D1	8	1903259-01RE1	DB	29-OCT-19	15:50:41	ST191029D1-1	NA
191029D1	9	1903259-03RE1	DB	29-OCT-19	16:38:36	ST191029D1-1	NA
191029D1	10	1903566-01RE1	DB	29-OCT-19	17:26:30	ST191029D1-1	NA
191029D1	11	1903285-01@5X	DB	29-OCT-19	18:14:19	ST191029D1-1	NA
191029D1	12	1903285-02@5X	DB	29-OCT-19	19:02:03	ST191029D1-1	NA
191029D1	13	1903285-03@5X	DB	29-OCT-19	19:49:46	ST191029D1-1	NA
191029D1	14	1903420-11	DB	29-OCT-19	20:37:30	ST191029D1-1	NA
191029D1	15	1903460-08RE1	DB	29-OCT-19	21:25:15	ST191029D1-1	NA

FORM 5
 PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.: \

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 10-9-19

RT Window Data Filename: 191029D1 S#1 Analysis Date: 29-OCT-19 Time: 10:15:38

ZB-5MS IS Data Filename: 191029D1 S#1 Analysis Date: 29-OCT-19 Time: 10:15:38

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	22:51	1,3,6,8-TCDF (F)	20:43
1,2,8,9-TCDD (L)	27:05	1,2,8,9-TCDF (L)	27:14
1,2,4,7,9-PeCDD (F)	28:42	1,3,4,6,8-PeCDF (F)	27:12
1,2,3,8,9-PeCDD (L)	31:06	1,2,3,8,9-PeCDF (L)	31:20
1,2,4,6,7,9-HxCDD (F)	32:31	1,2,3,4,6,8-HxCDF (F)	31:59
1,2,3,7,8,9-HxCDD (L)	34:28	1,2,3,7,8,9-HxCDF (L)	34:51
1,2,3,4,6,7,9-HpCDD (F)	37:06	1,2,3,4,6,7,8-HpCDF (F)	36:42
1,2,3,4,6,7,8-HpCDD (L)	37:57	1,2,3,4,7,8,9-HpCDF (L)	38:30

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

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ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

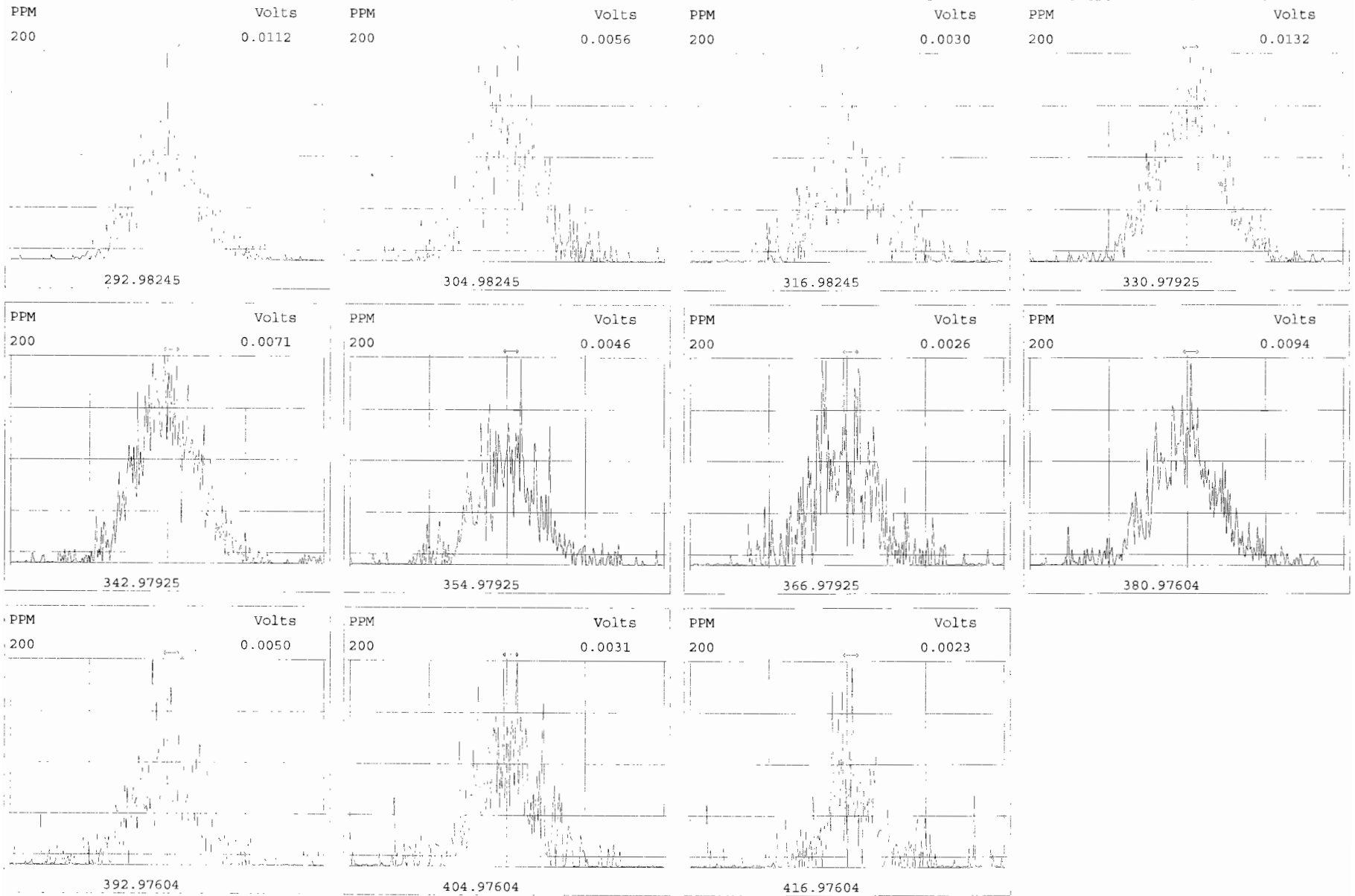
% VALLEY HEIGHT
 BETWEEN
 COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

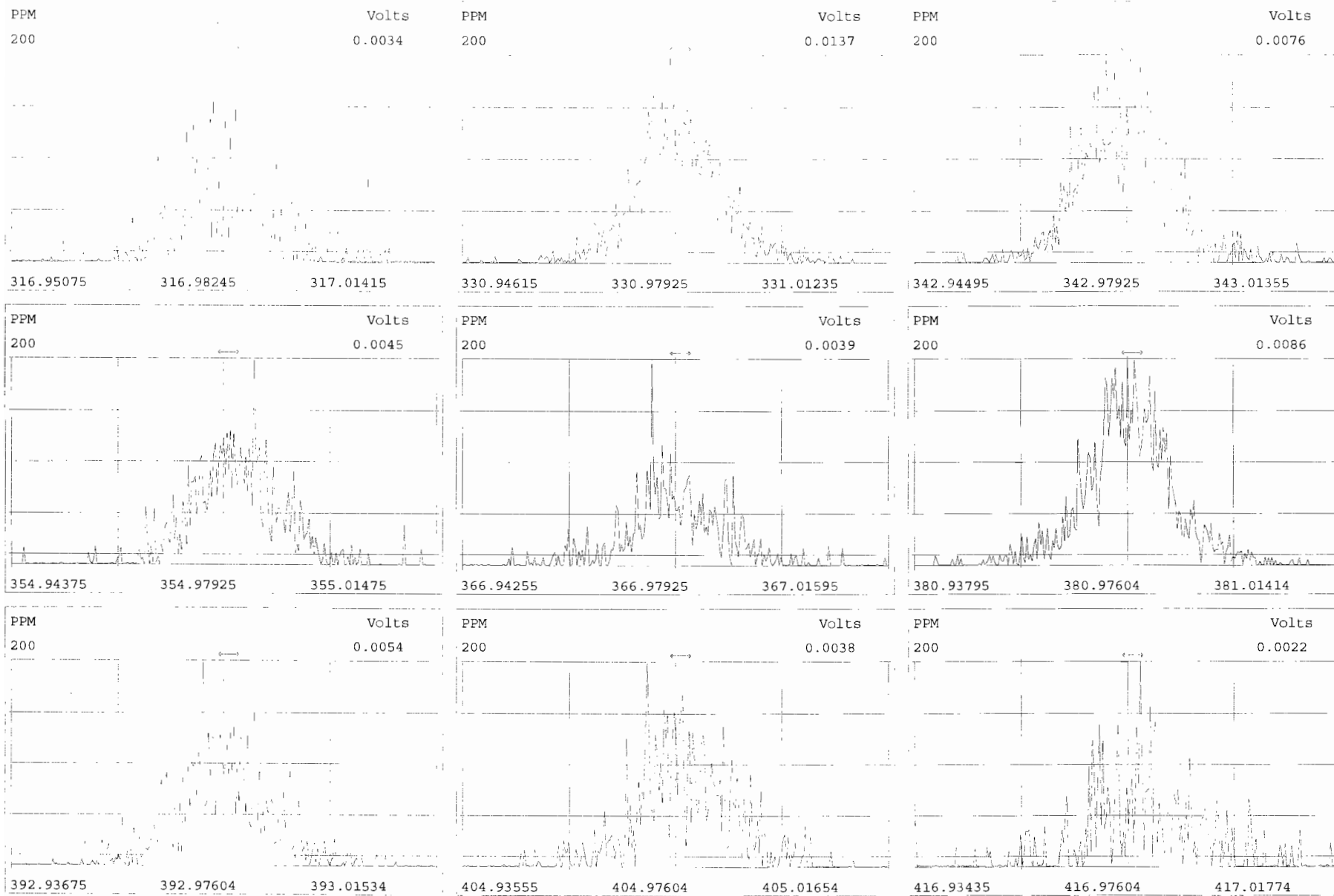
Analyst: DB

Date: 10/29/19



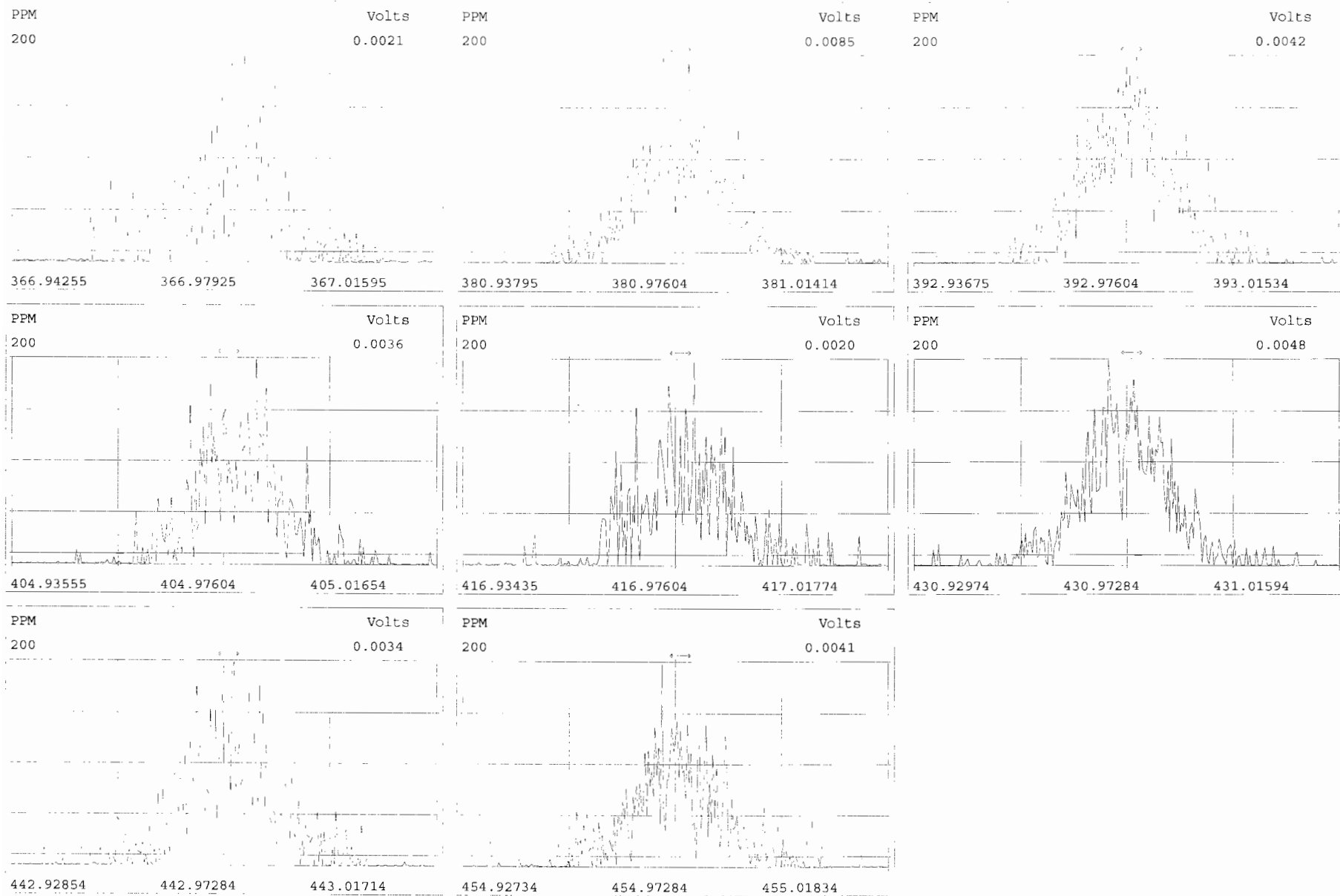
Peak Locate Examination:29-OCT-2019:10:11 File:191029D1

Experiment:OCDD_DB5 Function:2 Reference:PFK



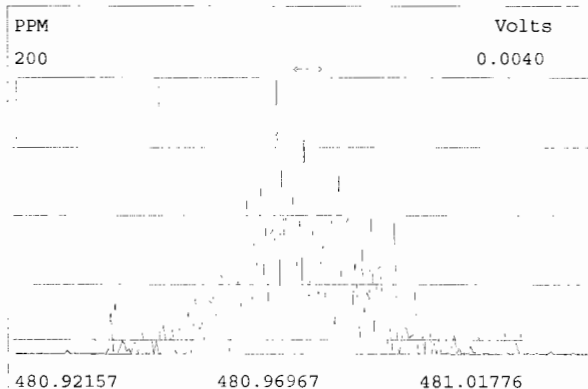
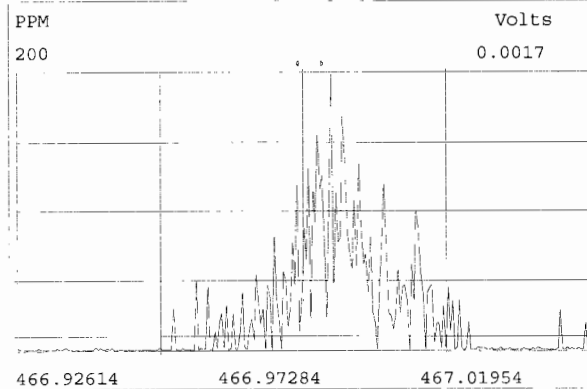
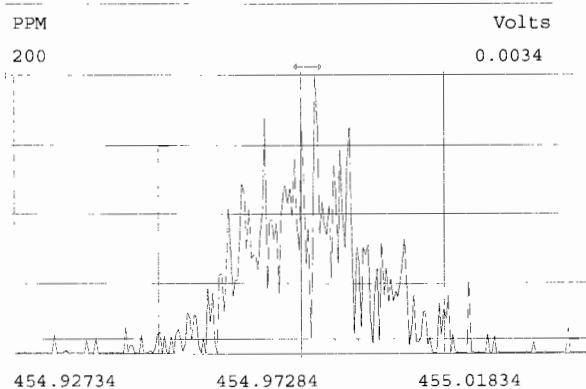
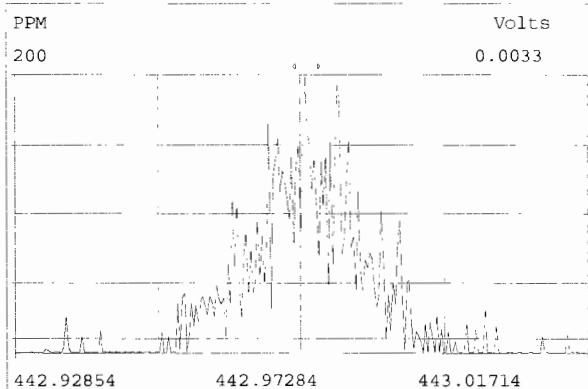
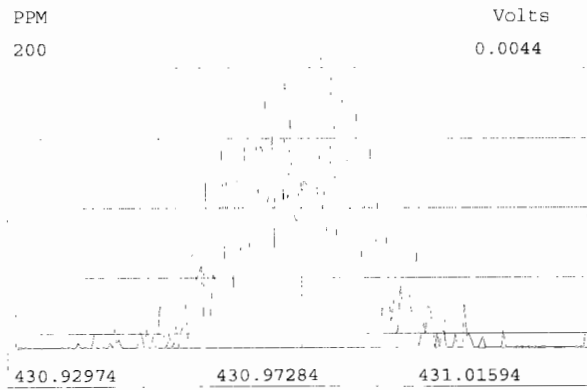
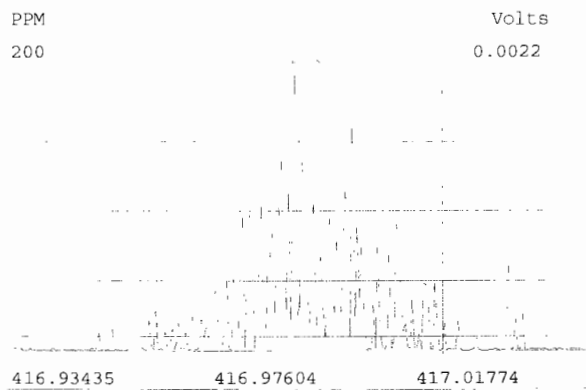
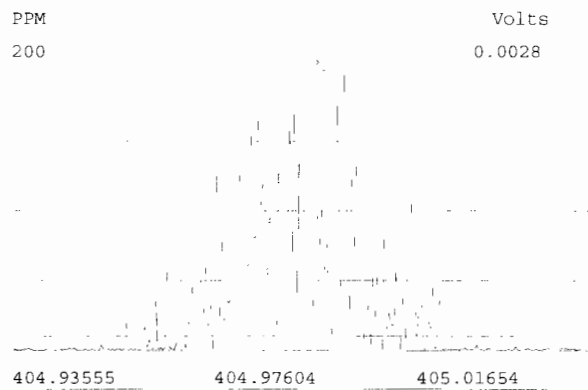
Peak Locate Examination:29-OCT-2019:10:12 File:191029D1

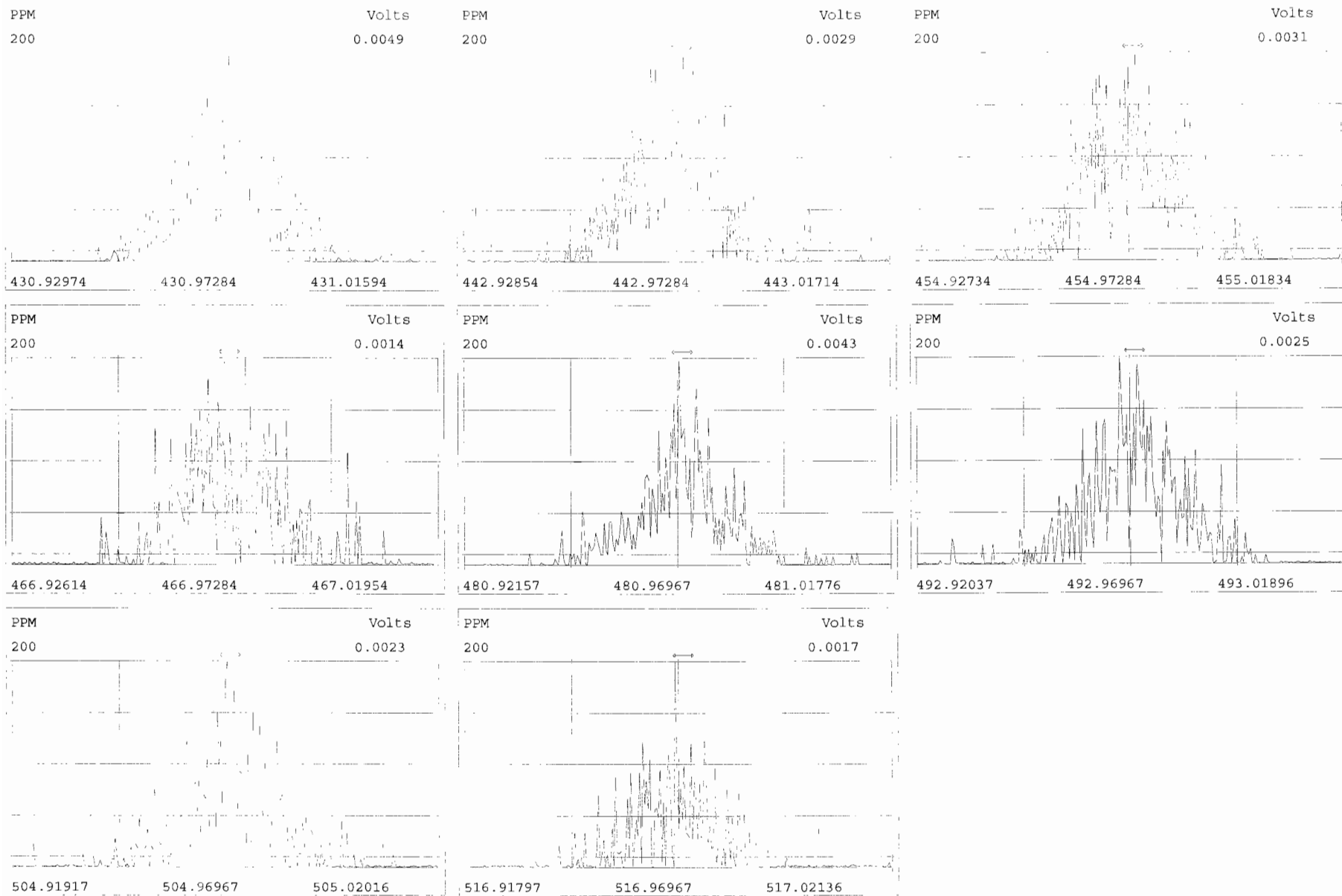
Experiment:OCDD_DB5 Function:3 Reference:PFK



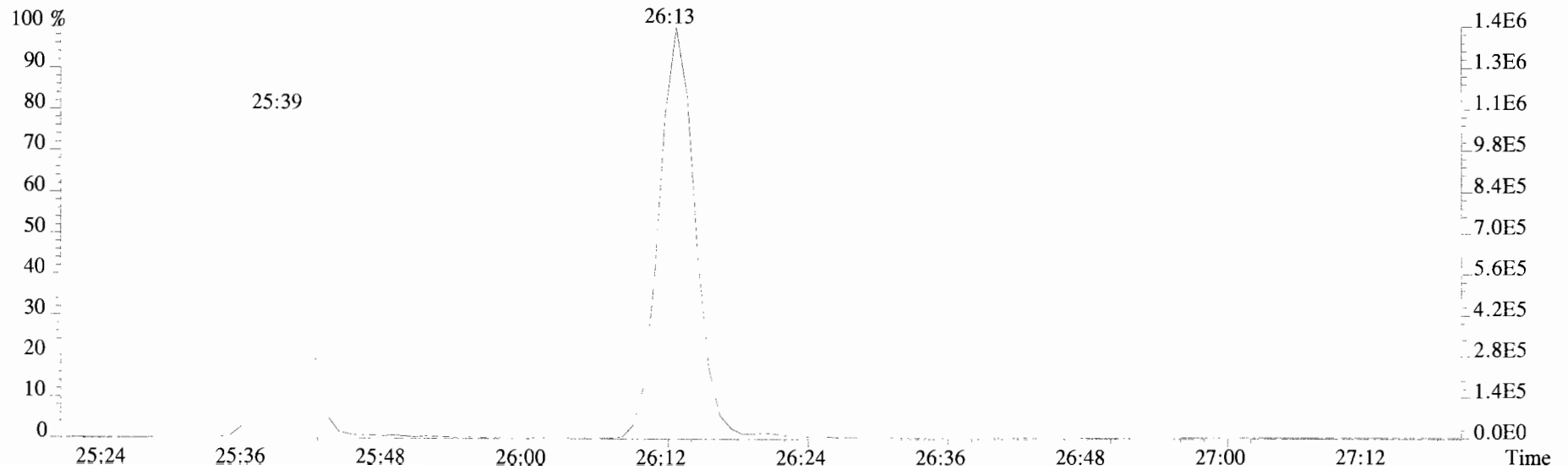
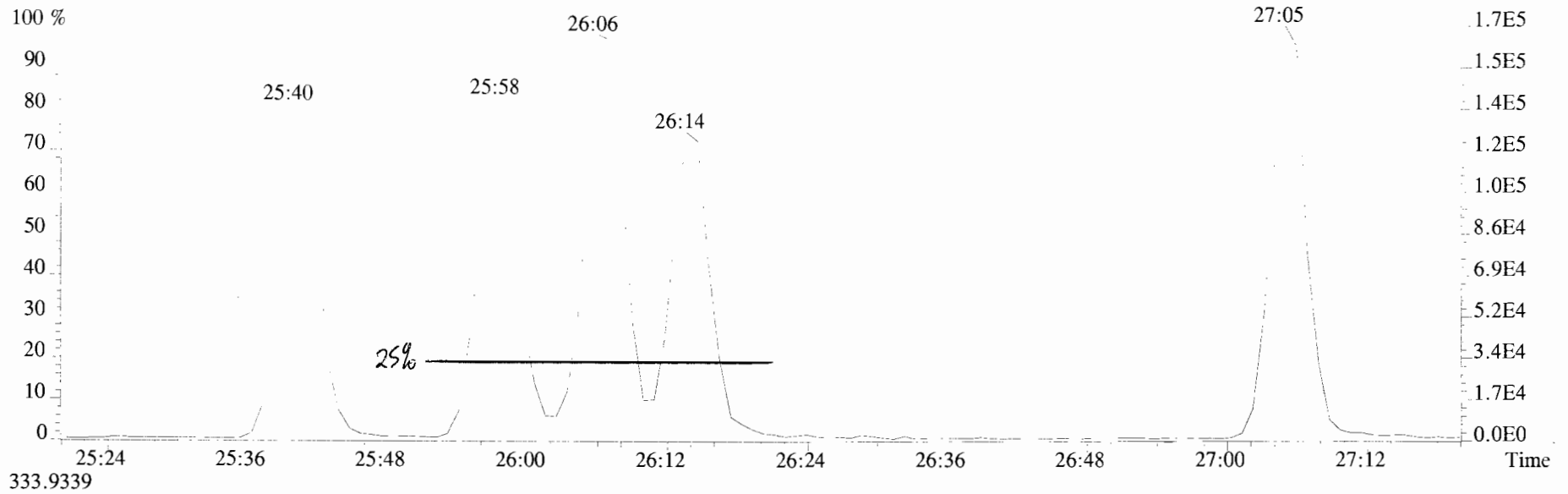
Peak Locate Examination:29-OCT-2019:10:13 File:191029D1

Experiment:OCDD_DB5 Function:4 Reference:PFK





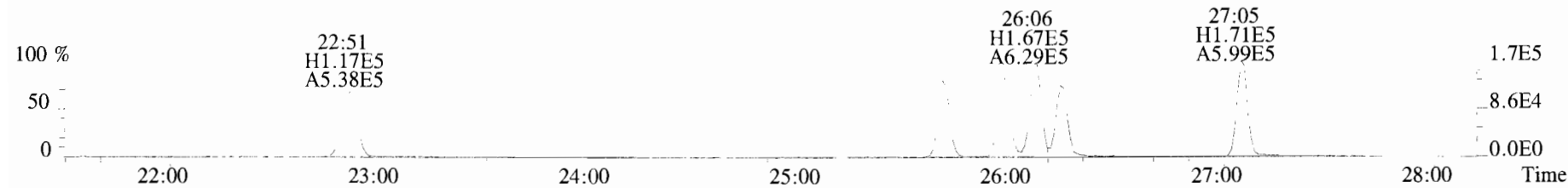
File:191029D1 #1-493 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
321.8936



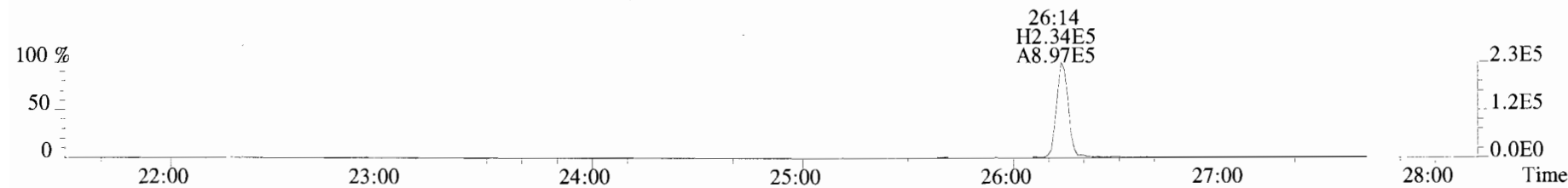
File:191029D1 #1-493 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



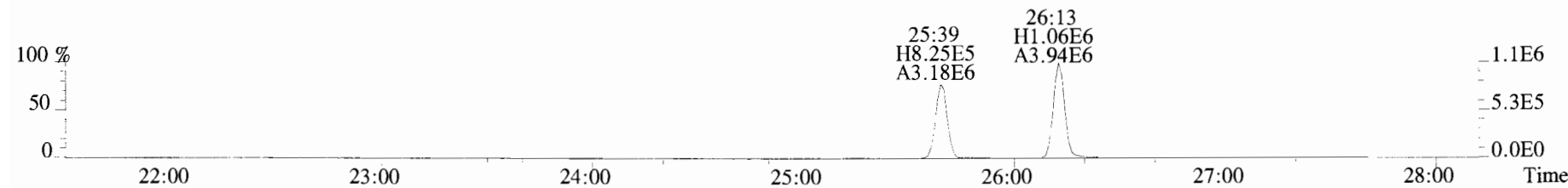
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



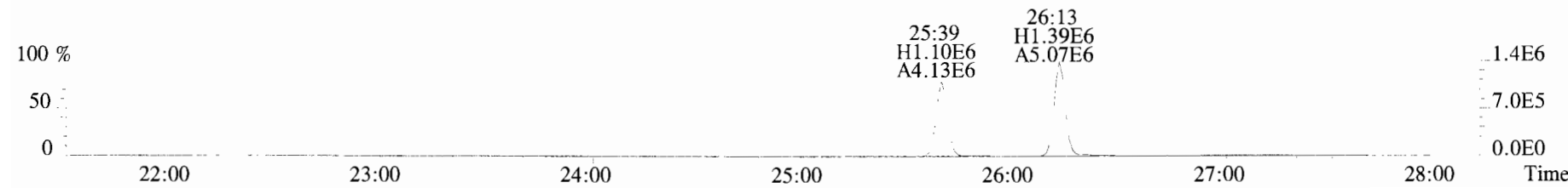
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



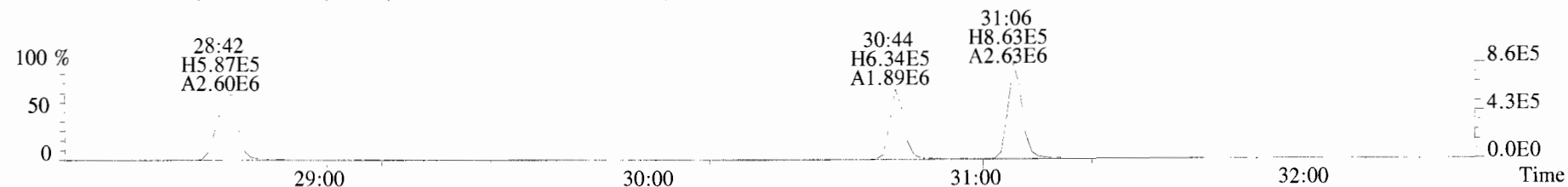
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



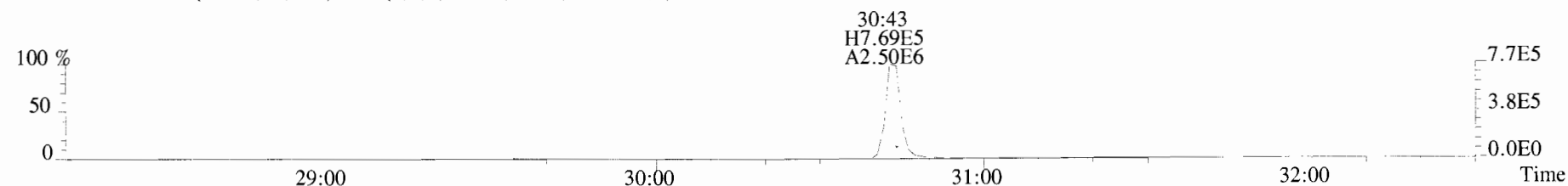
File:191029D1 #1-211 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



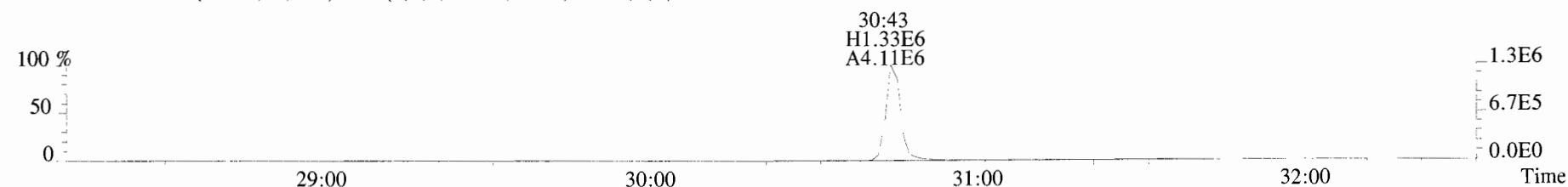
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



365.8978 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



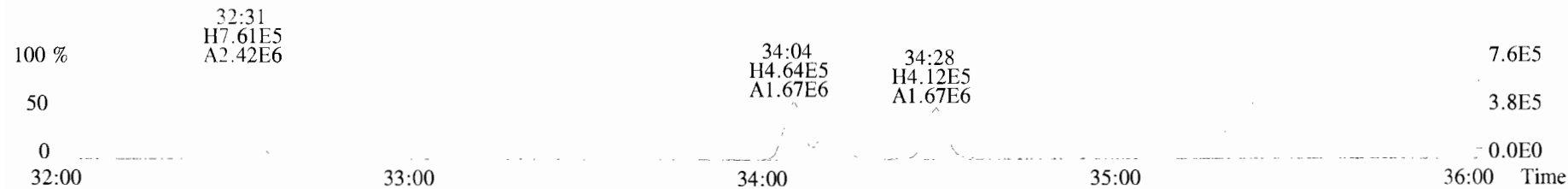
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



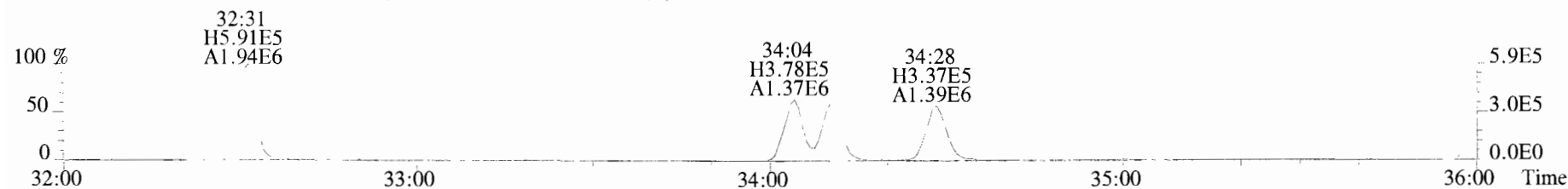
366.9792 F:2



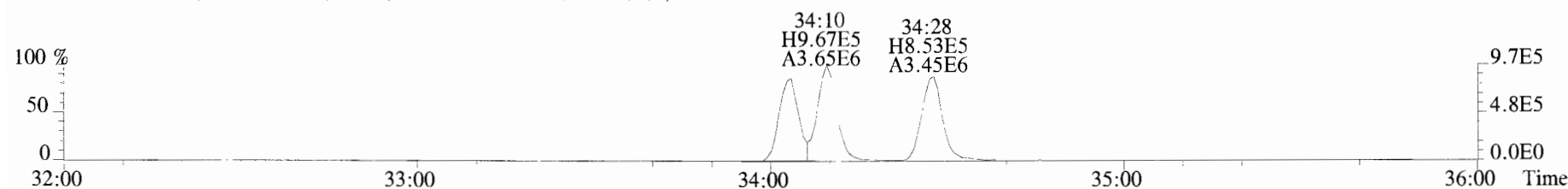
File:191029D1 #1-385 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaF
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



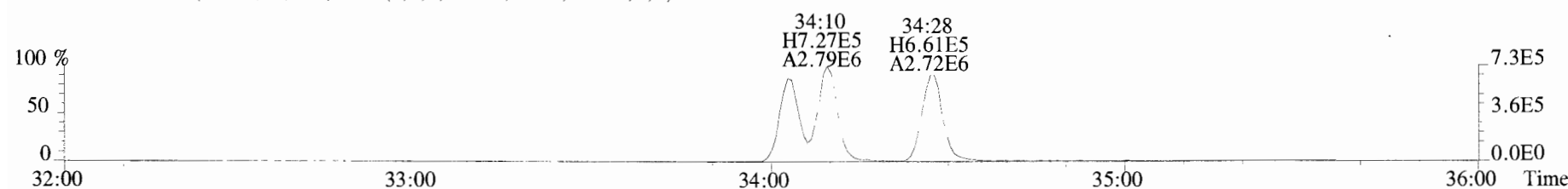
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



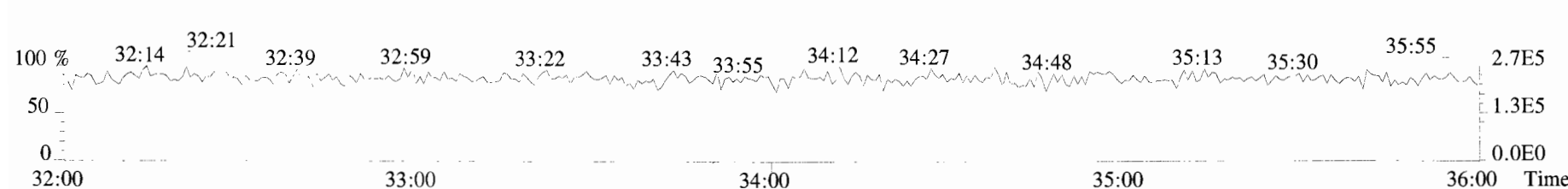
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



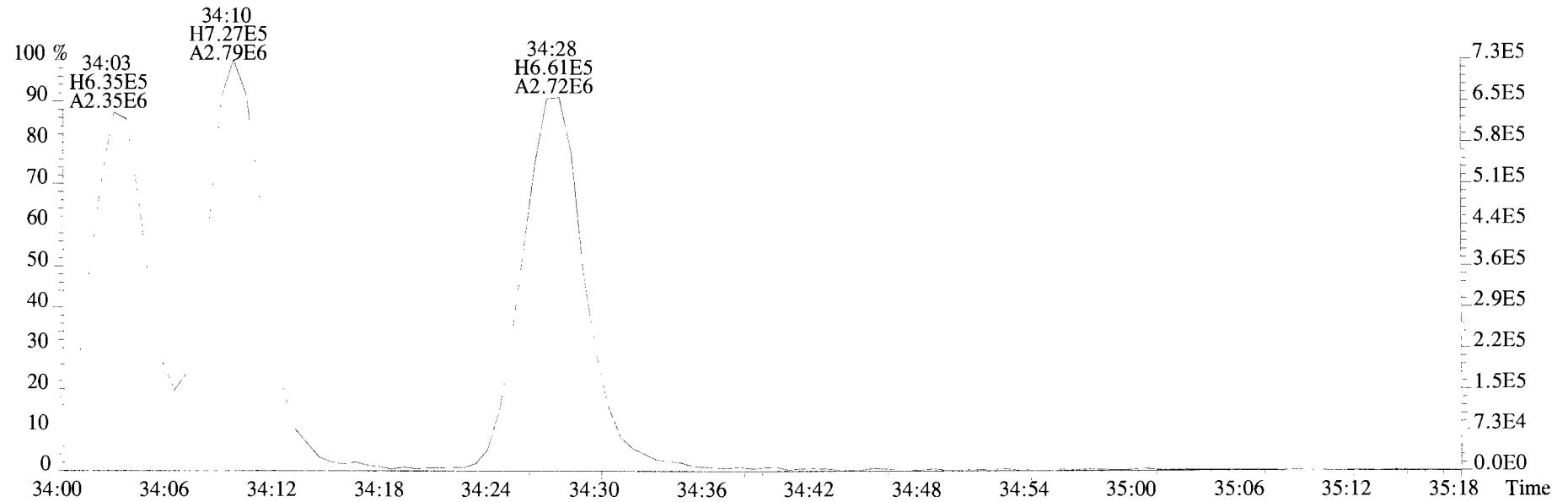
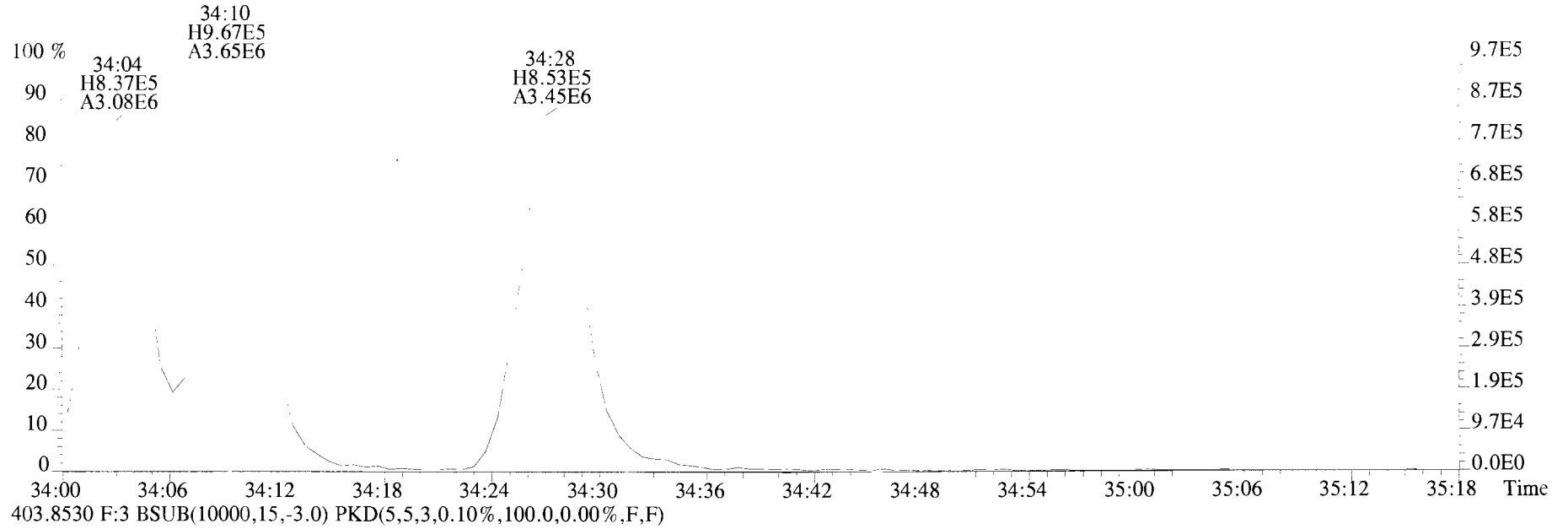
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



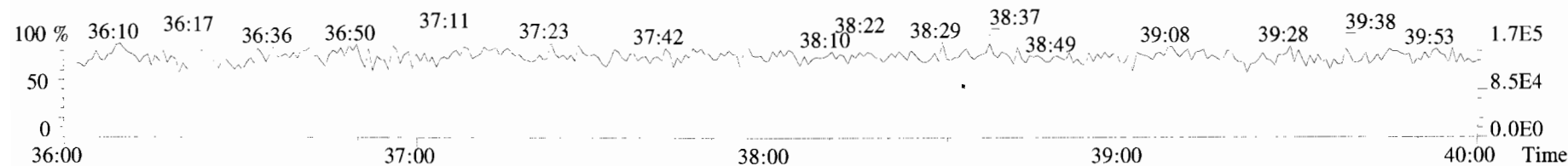
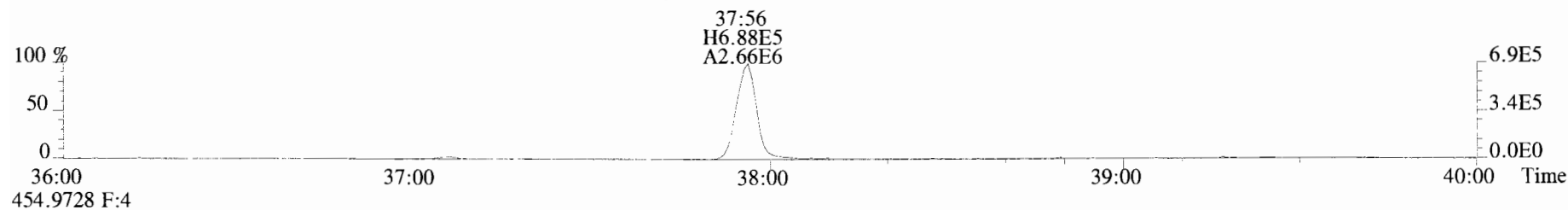
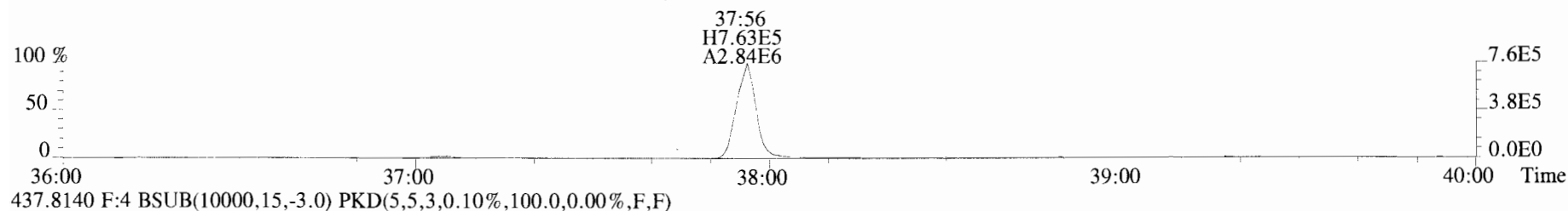
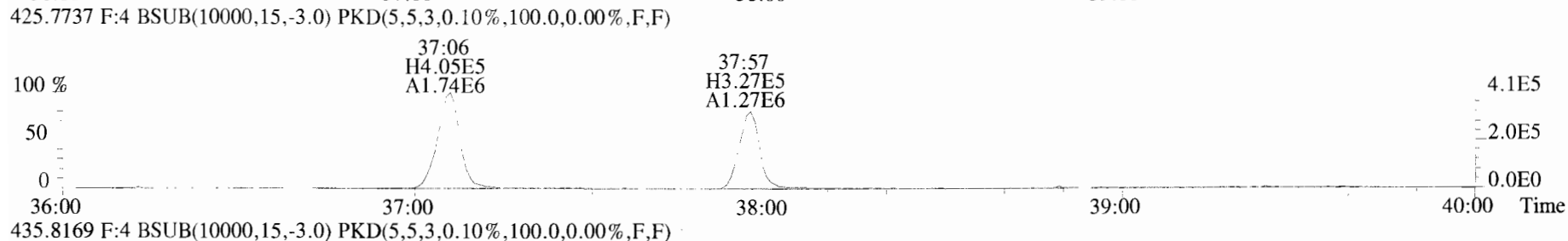
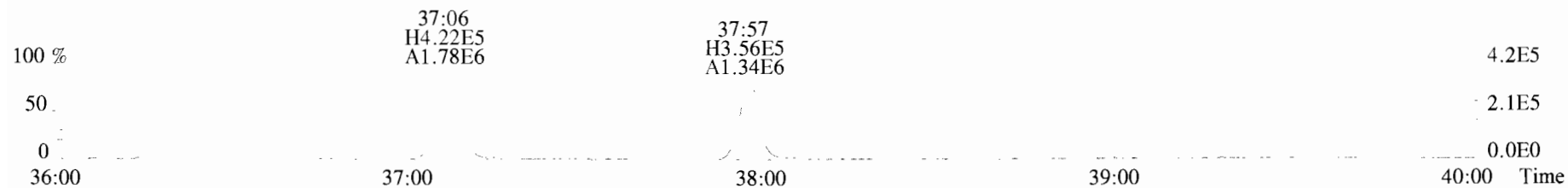
392.9760 F:3



File:191029D1 #1-385 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



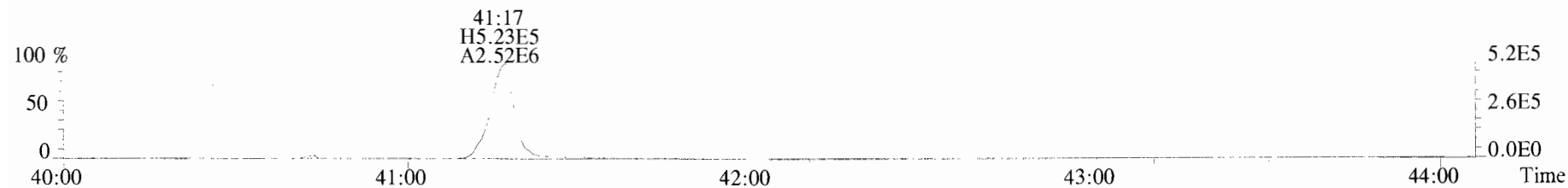
File:191029D1 #1-356 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



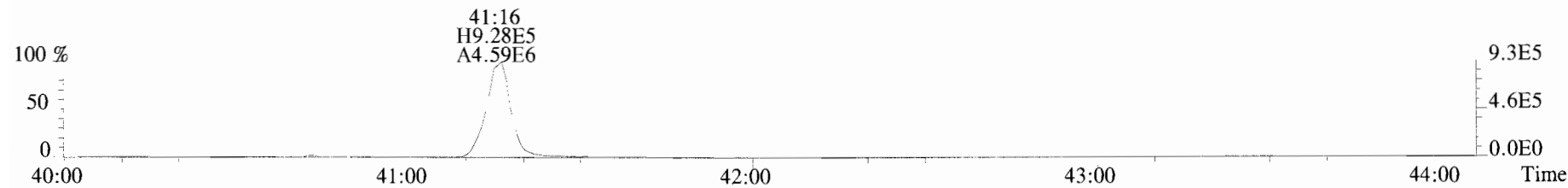
File:191029D1 #1-432 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



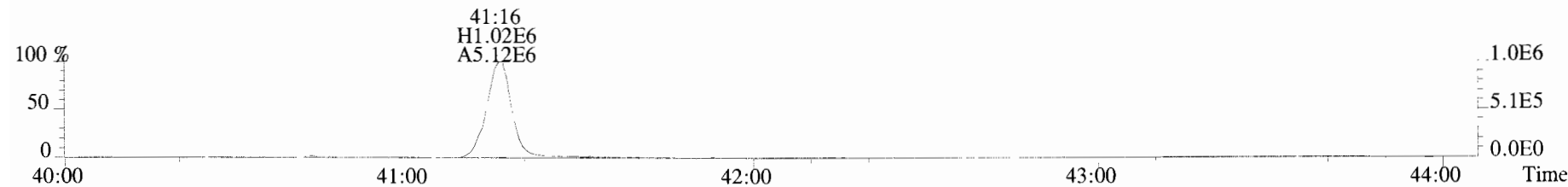
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



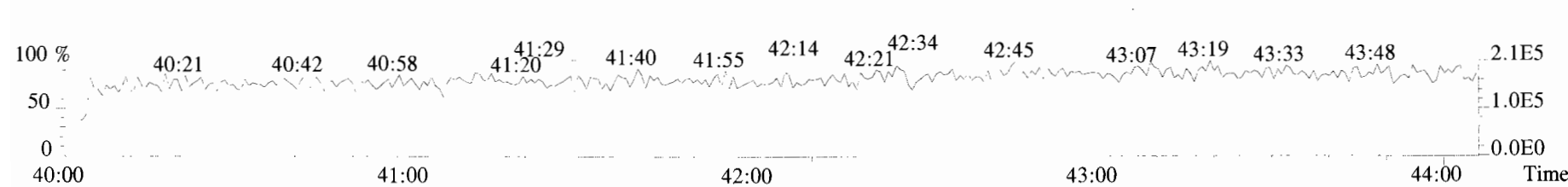
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



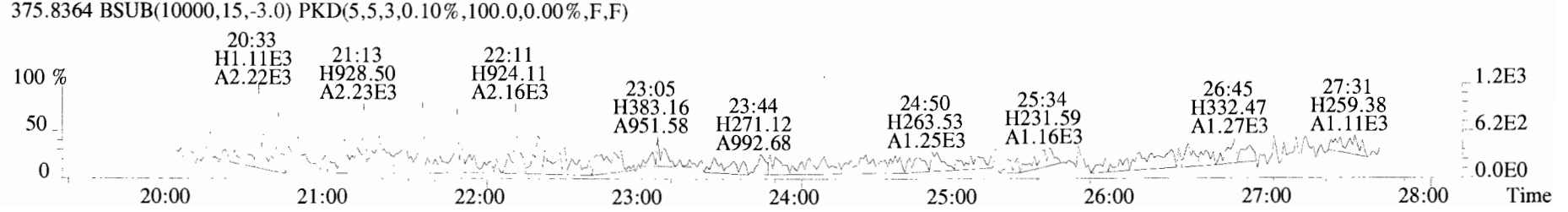
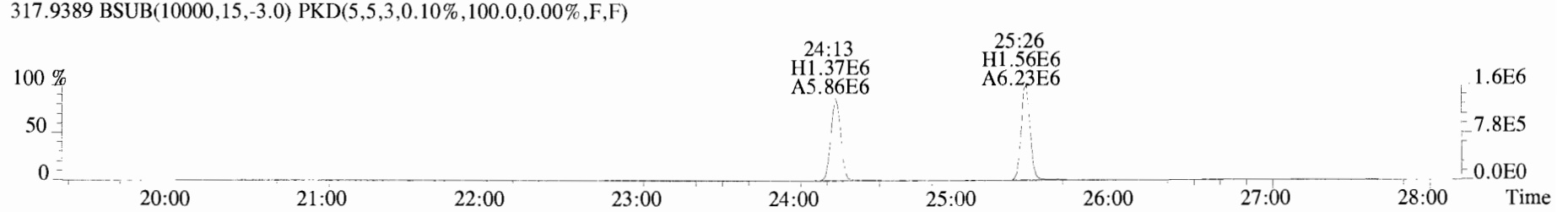
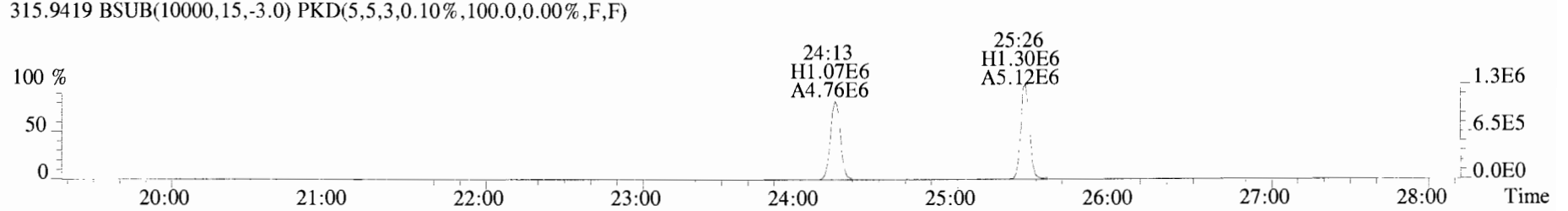
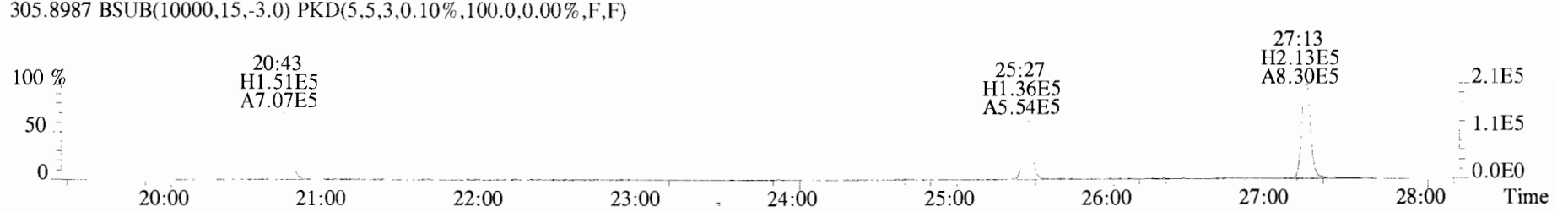
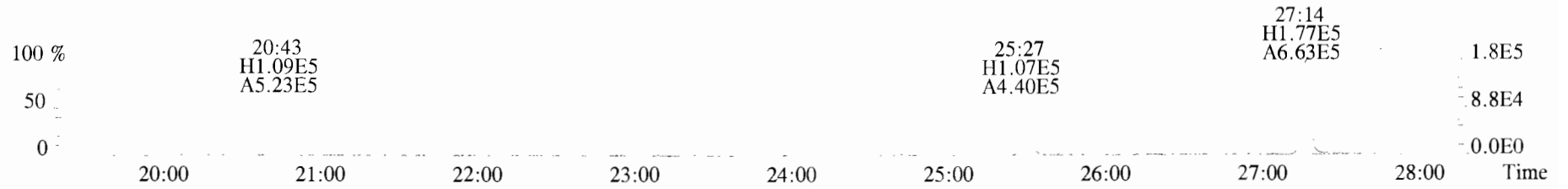
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



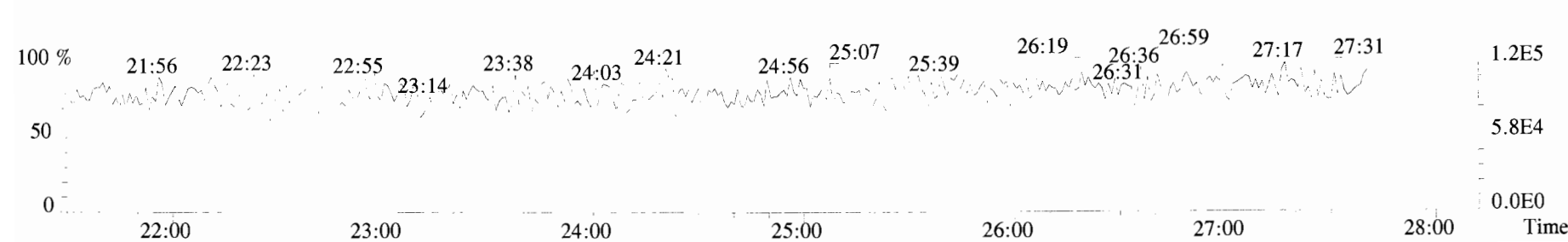
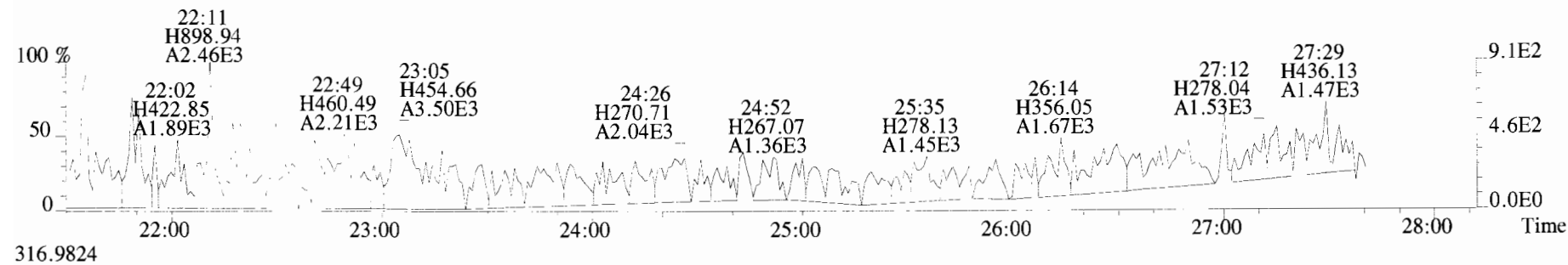
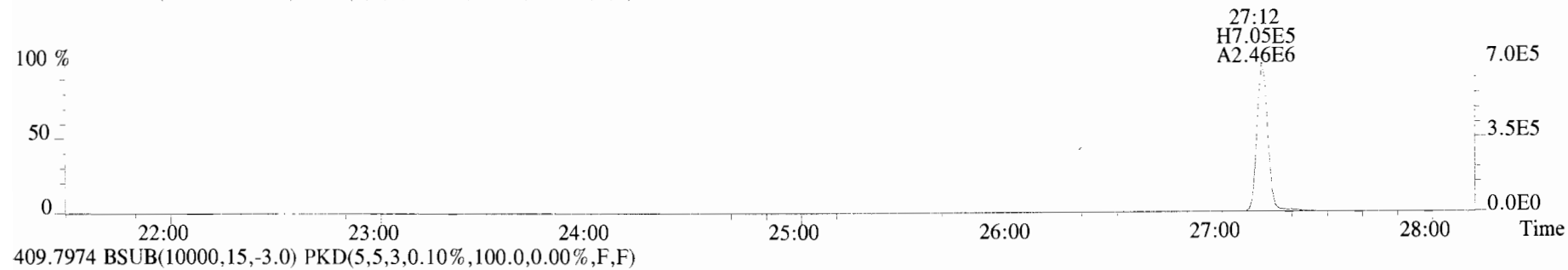
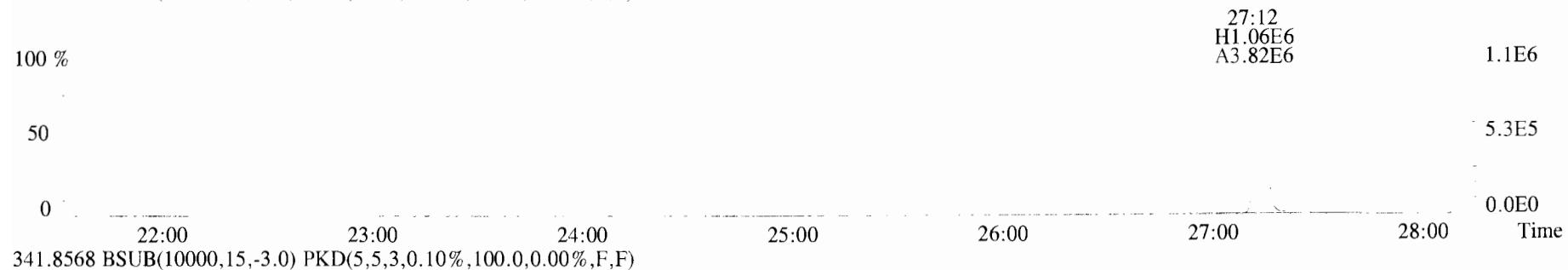
454.9728 F:5



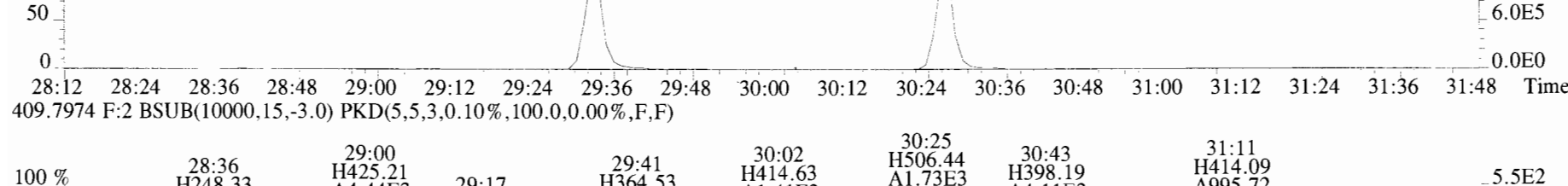
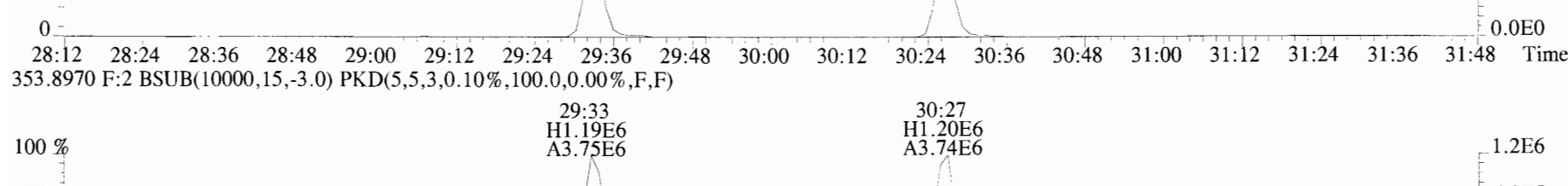
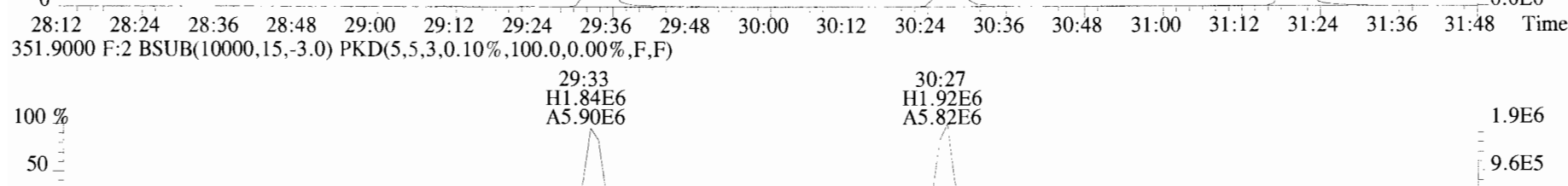
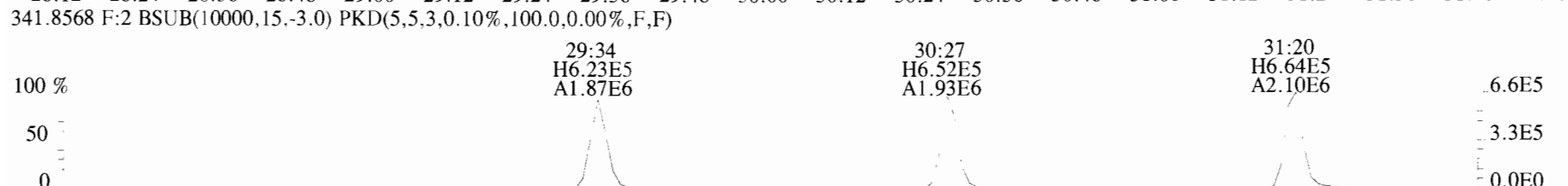
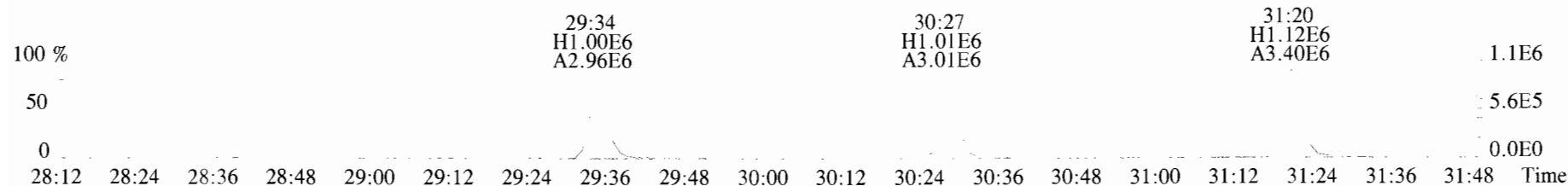
File:191029D1 #1-493 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



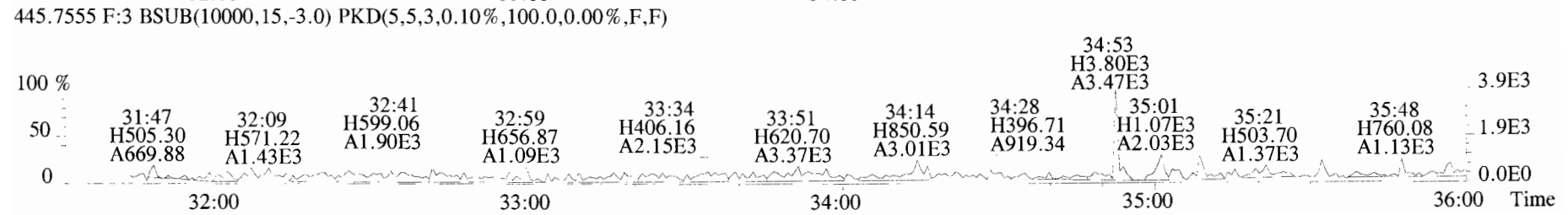
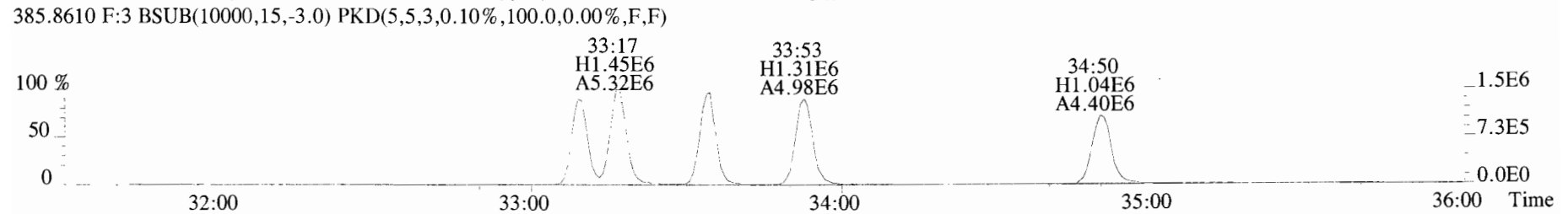
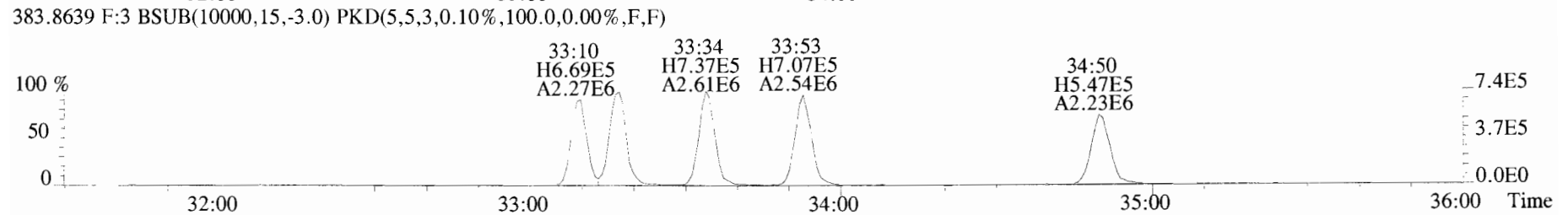
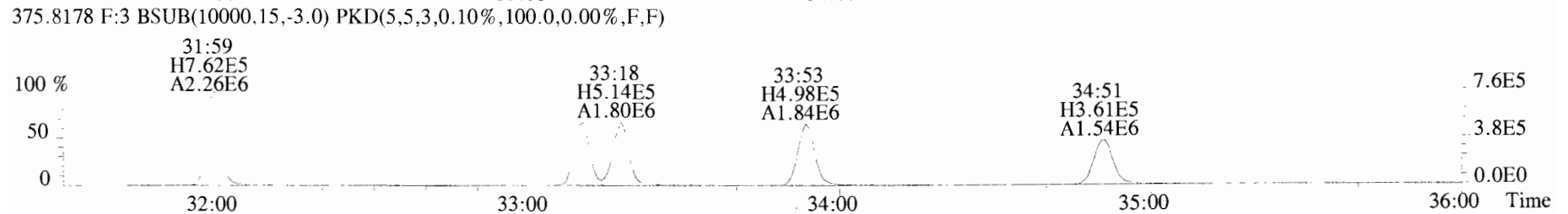
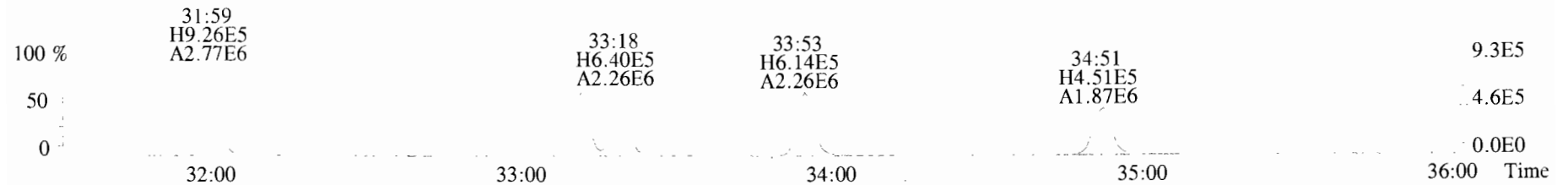
File:191029D1 #1-493 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5.5,3,0.10%,100.0,0.00%,F,F)



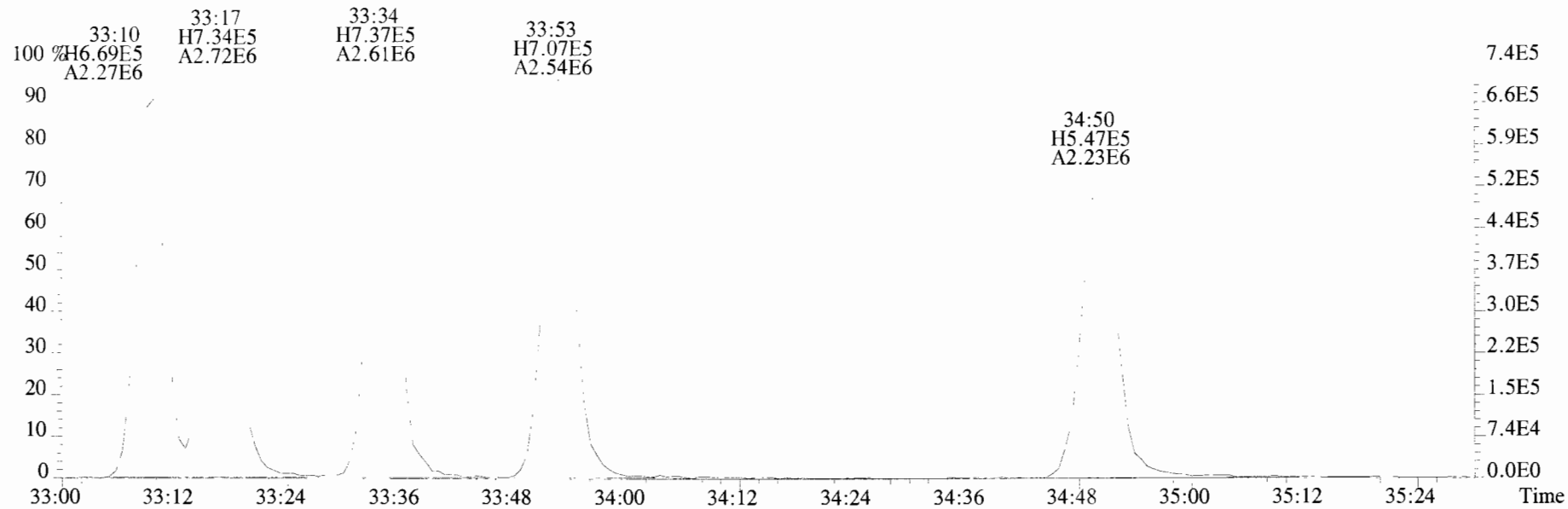
File:191029D1 #1-211 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



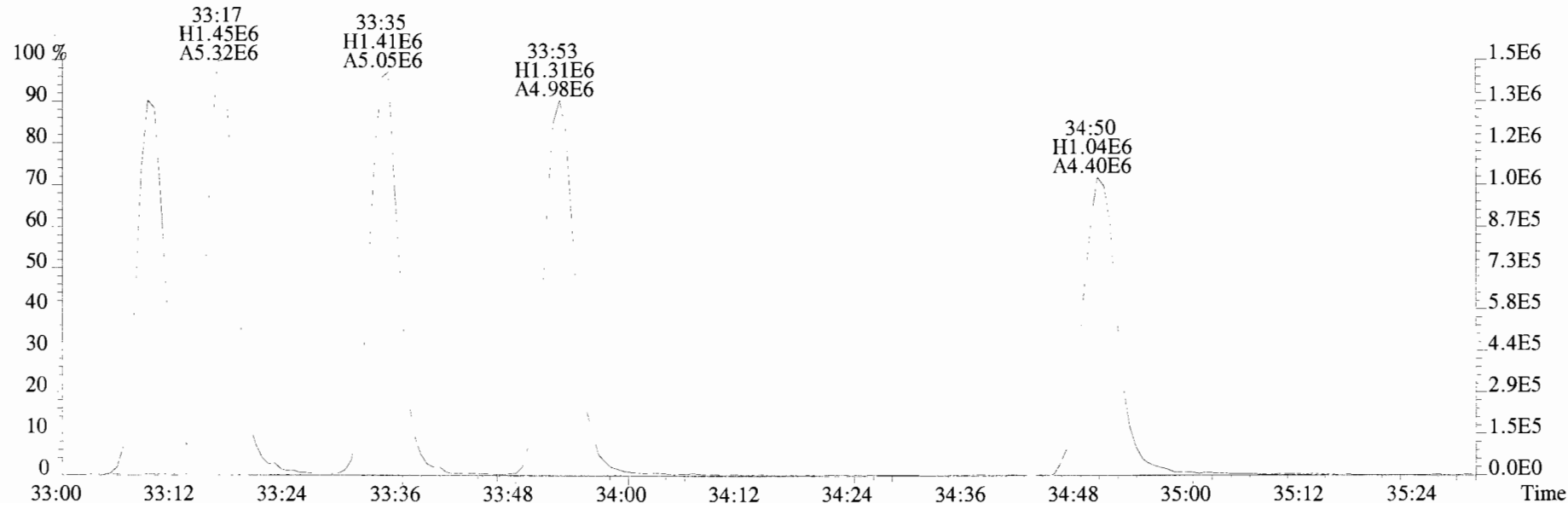
File:191029D1 #1-385 Acq:29-OCT-2019 10:15:38 GC FI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



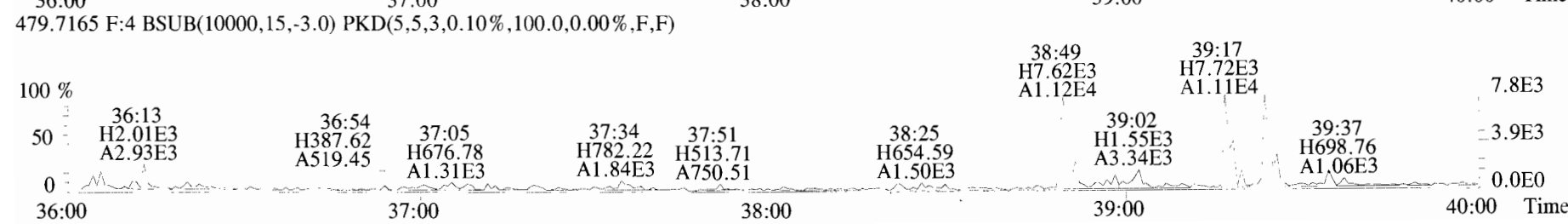
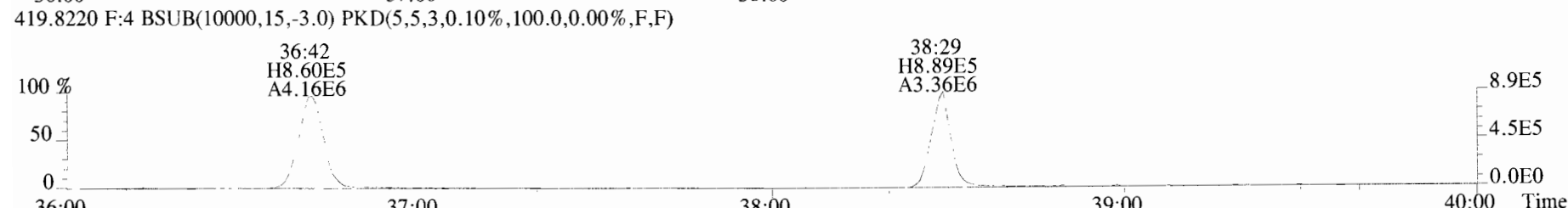
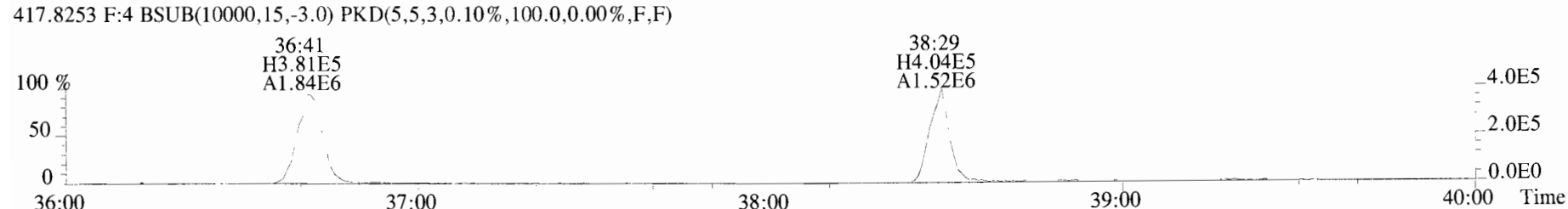
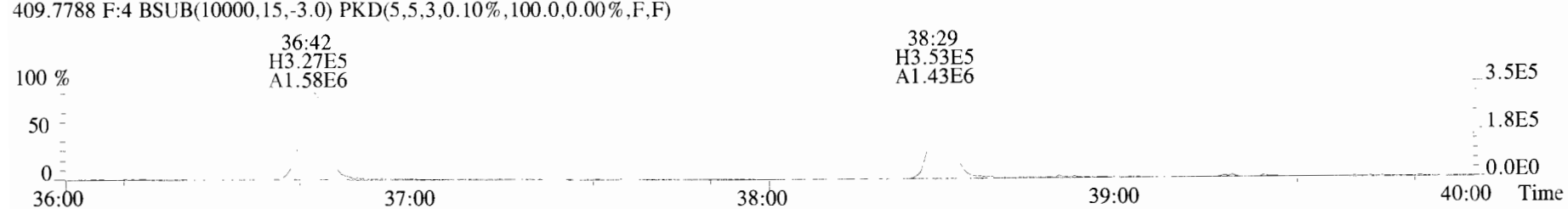
File:191029D1 #1-385 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



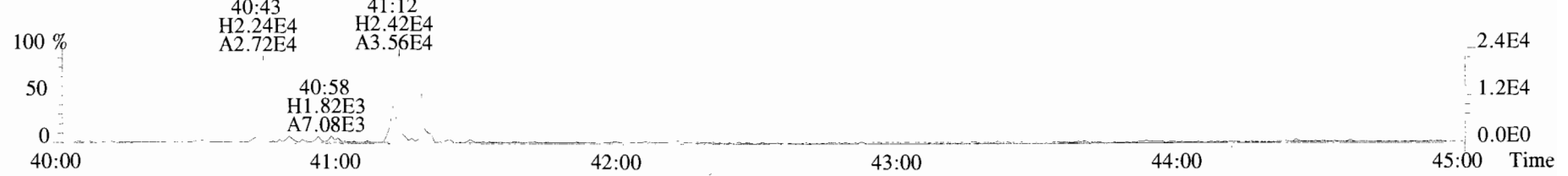
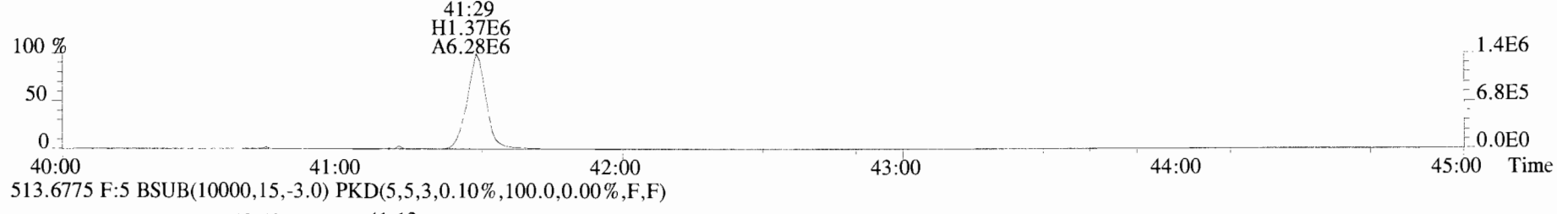
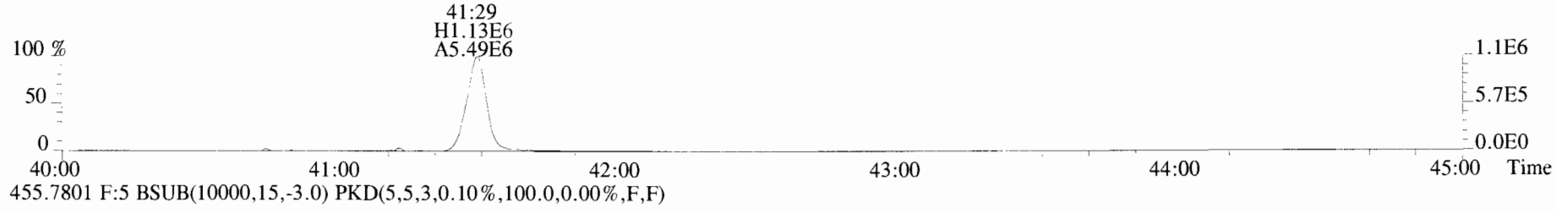
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191029D1 #1-356 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata Analytical Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

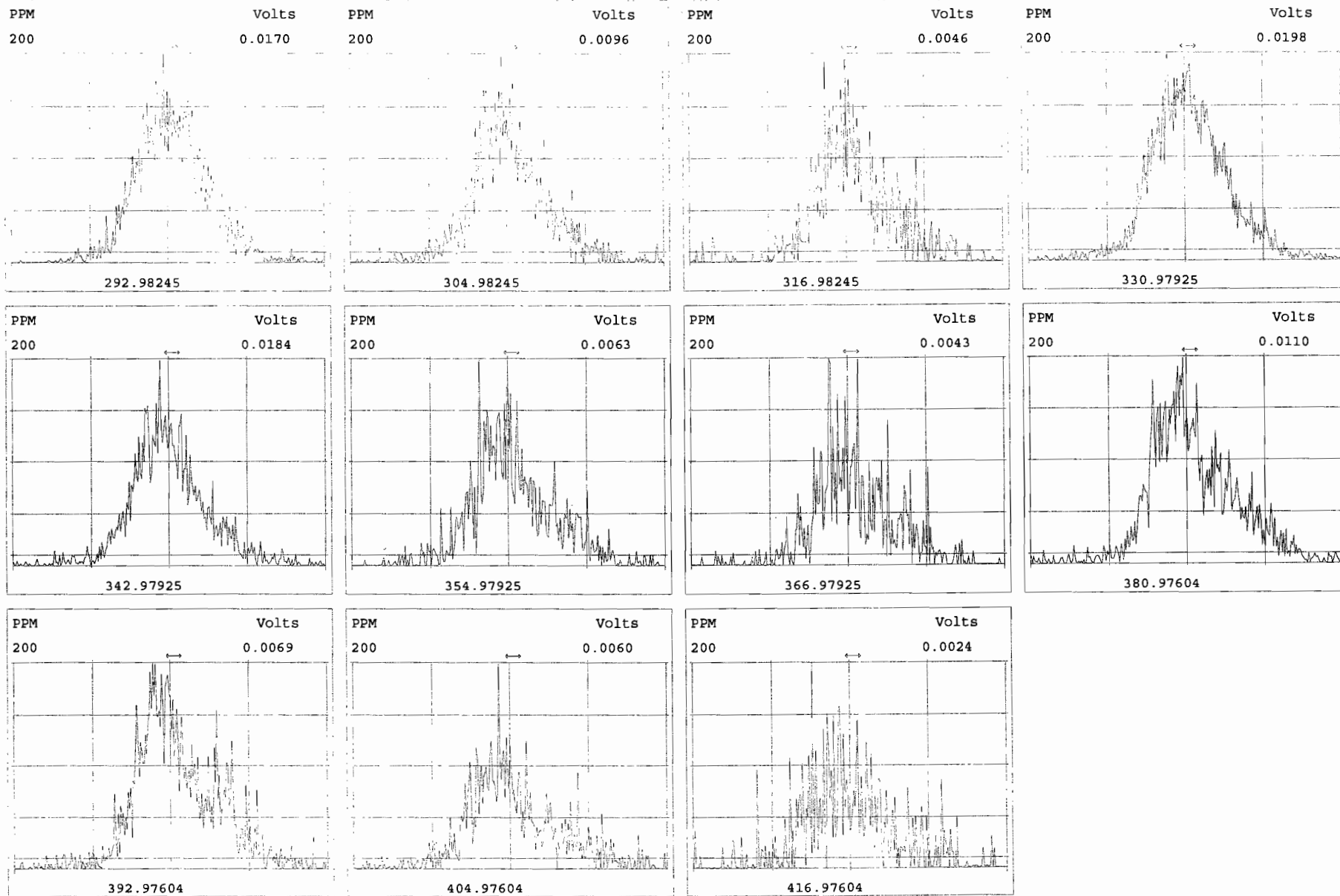


File:191029D1 #1-432 Acq:29-OCT-2019 10:15:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191029D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



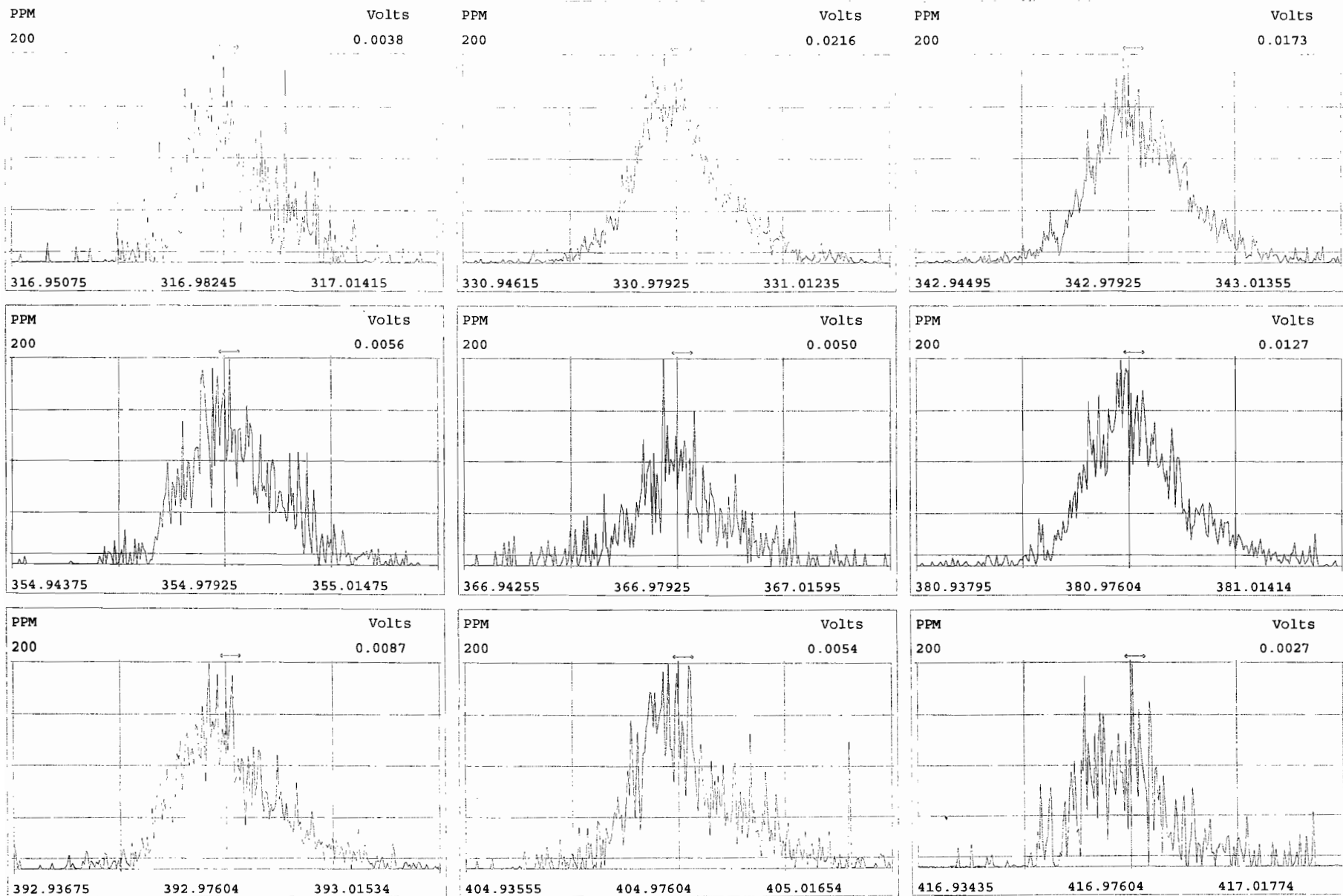
Peak Locate Examination:29-OCT-2019:22:22 File:RES_CHECK

Experiment:OCDD_DB5 Function:1 Reference:PFK



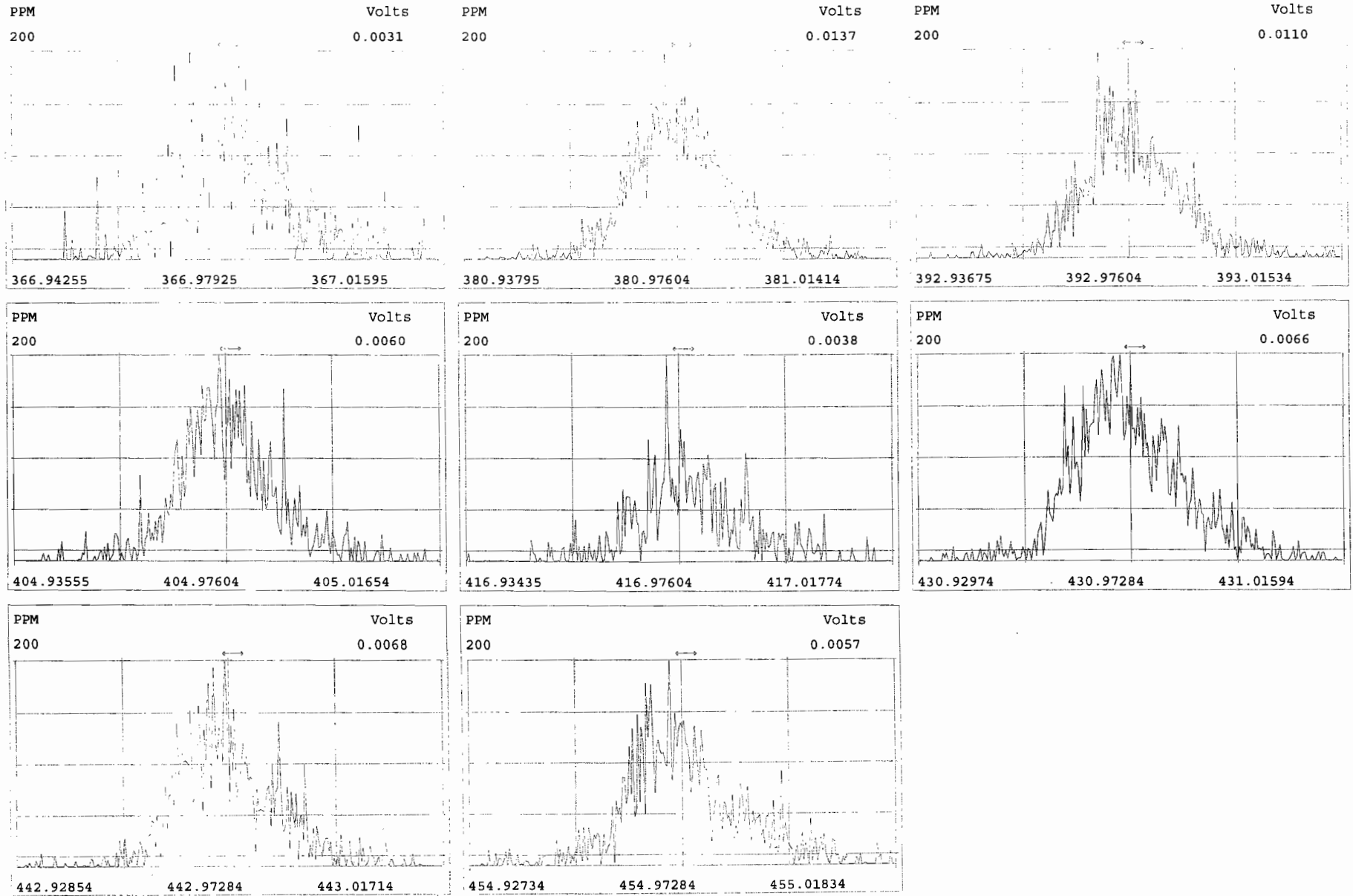
Peak Locate Examination:29-OCT-2019:22:23 File:RES_CHECK

Experiment:OCDD_DB5 Function:2 Reference:PFK



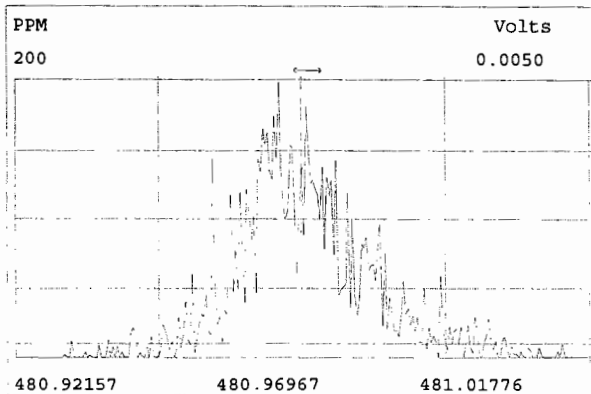
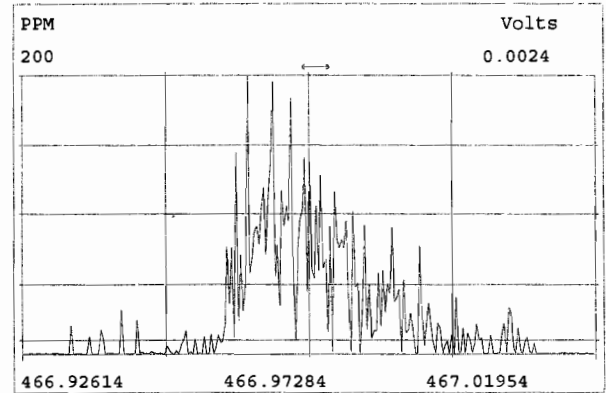
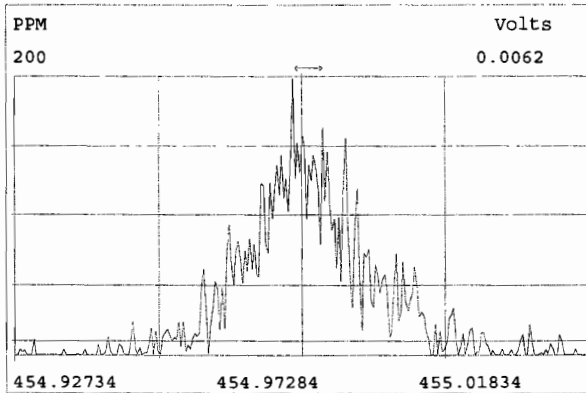
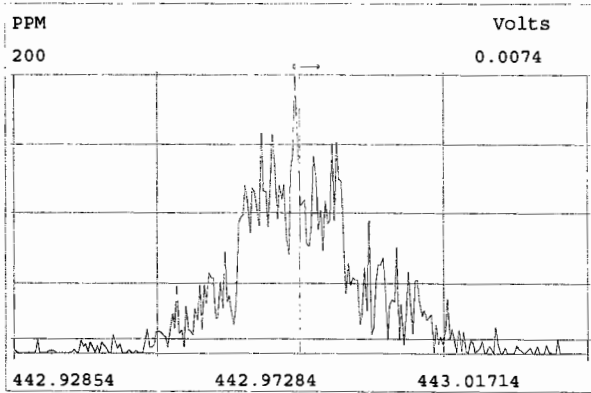
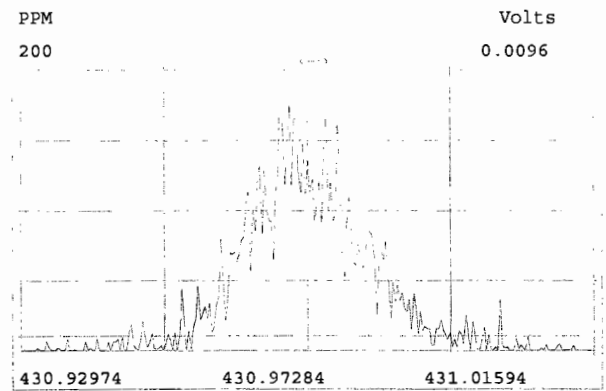
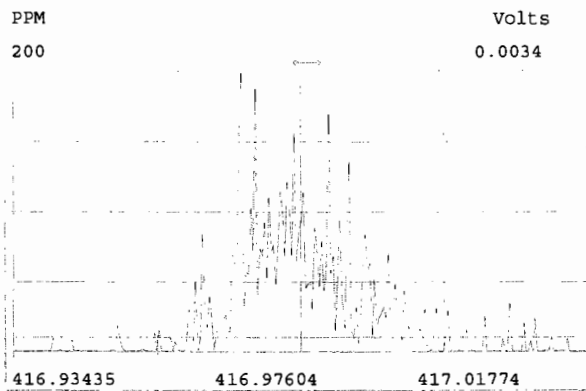
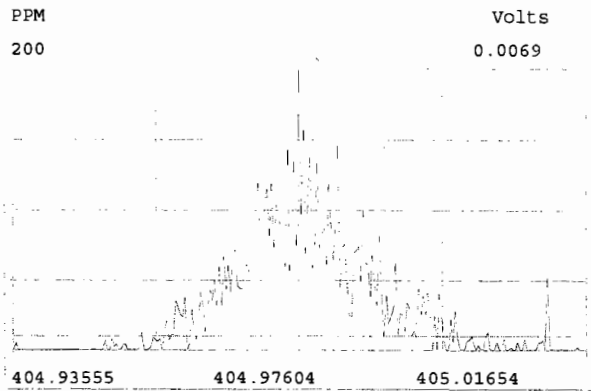
Peak Locate Examination:29-OCT-2019:22:24 File:RES_CHECK

Experiment:OCDD_DB5 Function:3 Reference:PFK



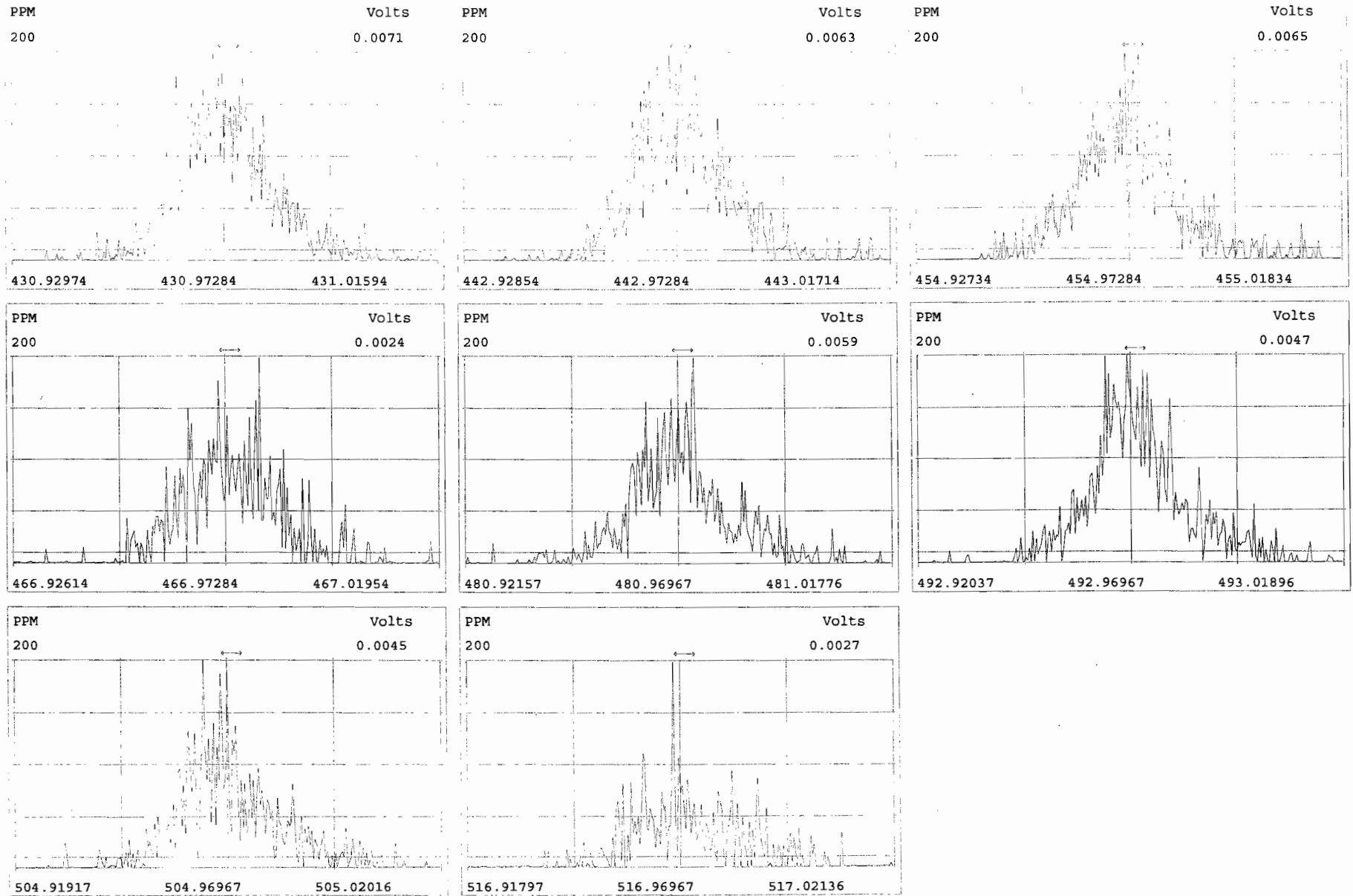
Peak Locate Examination:29-OCT-2019:22:25 File:RES_CHECK

Experiment:OCDD_DB5 Function:4 Reference:PFK



Peak Locate Examination:29-OCT-2019:22:26 File:RES_CHECK

Experiment:OCDD_DB5 Function:5 Reference:PFK



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191016D2-1

Reviewed By: C7 10/18/19
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u> </u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>DB</u>	<u> </u>

Mass resolution \geq
 5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly? NA

GC Break <20% NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours NA

Comments:

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.: CCAL ID: ST191016D2-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191016D2 S#1 Analysis Date: 17-OCT-19 Time: 00:39:45

NATIVE ANALYTES	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC. RANGE (3) (ng/mL)
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			
2,3,7,8-TCDD	M/M+2	0.87	0.65-0.89	y	10.6	7.8 - 12.9 8.2 - 12.3 (4)
1,2,3,7,8-PeCDD	M/M+2	0.61	0.54-0.72	y	50.3	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.21	1.05-1.43	y	48.7	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.20	1.05-1.43	y	51.1	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.22	1.05-1.43	y	50.7	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88-1.20	y	50.3	43.0 - 58.0
OCDD	M+2/M+4	0.89	0.76-1.02	y	101	79.0 - 126.0
2,3,7,8-TCDF	M/M+2	0.83	0.65-0.89	y	9.69	8.4 - 12.0 8.6 - 11.6 (4)
1,2,3,7,8-PeCDF	M+2/M+4	1.65	1.32-1.78	y	51.4	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.65	1.32-1.78	y	50.9	41.0 - 61.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.23	1.05-1.43	y	48.6	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.19	1.05-1.43	y	49.3	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.21	1.05-1.43	y	50.2	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.21	1.05-1.43	y	49.3	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.04	0.88-1.20	y	49.4	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.03	0.88-1.20	y	48.1	43.0 - 58.0
OCDF	M+2/M+4	0.90	0.76-1.02	y	99.6	63.0 - 159.0

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/17/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191016D2 S#1 Analysis Date: 17-OCT-19 Time: 00:39:45

Labeled Compounds	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC. RANGE (ng/mL)
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			
13C-2,3,7,8-TCDD	M/M+2	0.75	0.65-0.89	y	104	82.0 - 121.0
13C-1,2,3,7,8-PeCDD	M/M+2	0.60	0.54-0.72	y	109	62.0 - 160.0
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.24	1.05-1.43	y	105	85.0 - 117.0
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.27	1.05-1.43	y	89.8	85.0 - 118.0
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.24	1.05-1.43	y	98.0	85.0 - 118.0
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88-1.20	y	114	72.0 - 138.0
13C-OCDD	M/M+2	0.90	0.76-1.02	y	236	96.0 - 415.0
13C-2,3,7,8-TCDF	M+2/M+4	0.81	0.65-0.89	y	102	71.0 - 140.0
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.58	1.32-1.78	y	114	76.0 - 130.0
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.60	1.32-1.78	y	111	77.0 - 130.0
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.50	0.43-0.59	y	112	76.0 - 131.0
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.50	0.43-0.59	y	98.2	70.0 - 143.0
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.49	0.43-0.59	y	98.7	73.0 - 137.0
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.50	0.43-0.59	y	105	74.0 - 135.0
13C-1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.44	0.37-0.51	y	110	78.0 - 129.0
13C-1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.45	0.37-0.51	y	124	77.0 - 129.0
13C-OCDF	M+2/M+4	0.91	0.76-1.02	y	241	96.0 - 415.0
CLEANUP STANDARD (3)						
37Cl-2,3,7,8-TCDD					9.99	7.9 - 12.7

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/17/19

FORM 5
PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 10-9-19

RT Window Data Filename: 191016D2 S#1 Analysis Date: 17-OCT-19 Time: 00:39:45

ZB-5MS IS Data Filename: 191016D2 S#1 Analysis Date: 17-OCT-19 Time: 00:39:45

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	23:00	1,3,6,8-TCDF (F)	20:54
1,2,8,9-TCDD (L)	27:11	1,2,8,9-TCDF (L)	27:19
1,2,4,7,9-PeCDD (F)	28:46	1,3,4,6,8-PeCDF (F)	27:17
1,2,3,8,9-PeCDD (L)	31:08	1,2,3,8,9-PeCDF (L)	31:22
1,2,4,6,7,9-HxCDD (F)	32:33	1,2,3,4,6,8-HxCDF (F)	32:01
1,2,3,7,8,9-HxCDD (L)	34:30	1,2,3,7,8,9-HxCDF (L)	34:53
1,2,3,4,6,7,9-HpCDD (F)	37:06	1,2,3,4,6,7,8-HpCDF (F)	36:43
1,2,3,4,6,7,8-HpCDD (L)	37:56	1,2,3,4,7,8,9-HpCDF (L)	38:28

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

Analyst: DB

Date: 10/17/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191016D2 S#1 Analysis Date: 17-OCT-19 Time: 00:39:45

Compounds Using 13C-1234-TCDD as RT Internal Standard

NATIVE ANALYTES	RETENTION TIME		RRT
	REFERENCE	RRT	QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.001	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.001	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.000	0.999-1.002

LABELED COMPOUNDS

13C-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.021	0.976-1.043
13C-1,2,3,7,8-PeCDD	13C-1,2,3,4-TCDD	1.194	1.000-1.567
13C-2,3,7,8-TCDF	13C-1,2,3,4-TCDD	0.991	0.923-1.103
13C-1,2,3,7,8-PeCDF	13C-1,2,3,4-TCDD	1.149	1.000-1.425
13C-2,3,4,7,8-PeCDF	13C-1,2,3,4-TCDD	1.183	1.011-1.526
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.989-1.052

Analyst: DB

Date: 10/17/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191016D2 S#1 Analysis Date: 17-OCT-19 Time: 00:39:45

NATIVE ANALYTES	RETENTION TIME		RRT	QC LIMITS (1)
	REFERENCE	RRT		
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.000	0.999-1.001	
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.000	0.997-1.005	
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001	
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.001	0.999-1.001	
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.000	0.999-1.001	
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.001	0.998-1.004	
1,2,3,7,8,9-HxCDD	13C-1,2,3,7,8,9-HxCDD	1.000	0.998-1.004	
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001	
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001	
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001	
OCDD	13C-OCDD	1.000	0.999-1.001	
OCDF	13C-OCDF	1.000	0.999-1.001	

LABELED COMPOUNDS

13C-1,2,3,4,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.988	0.975-1.001
13C-1,2,3,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.991	0.979-1.005
13C-2,3,4,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.009	1.001-1.020
13C-1,2,3,7,8,9-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.037	1.002-1.072
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.014	1.002-1.026
13C-1,2,3,6,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.017	1.007-1.029
13C-1,2,3,7,8,9-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.026	1.014-1.038
13C-1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.093	1.069-1.111
13C-1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.144	1.098-1.192
13C-1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,9-HxCDF	1.128	1.117-1.141
13C-OCDD	13C-1,2,3,4,6,9-HxCDF	1.226	1.085-1.365
13C-OCDF	13C-1,2,3,4,6,9-HxCDF	1.233	1.091-1.371

Analyst: DB

Date: 10/17/19

Client ID: 1613 CS3 19C2204
Lab ID: ST191016D2-1

Filename: 191016D2 S:1 Acq:17 OCT-19 00:39:45
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

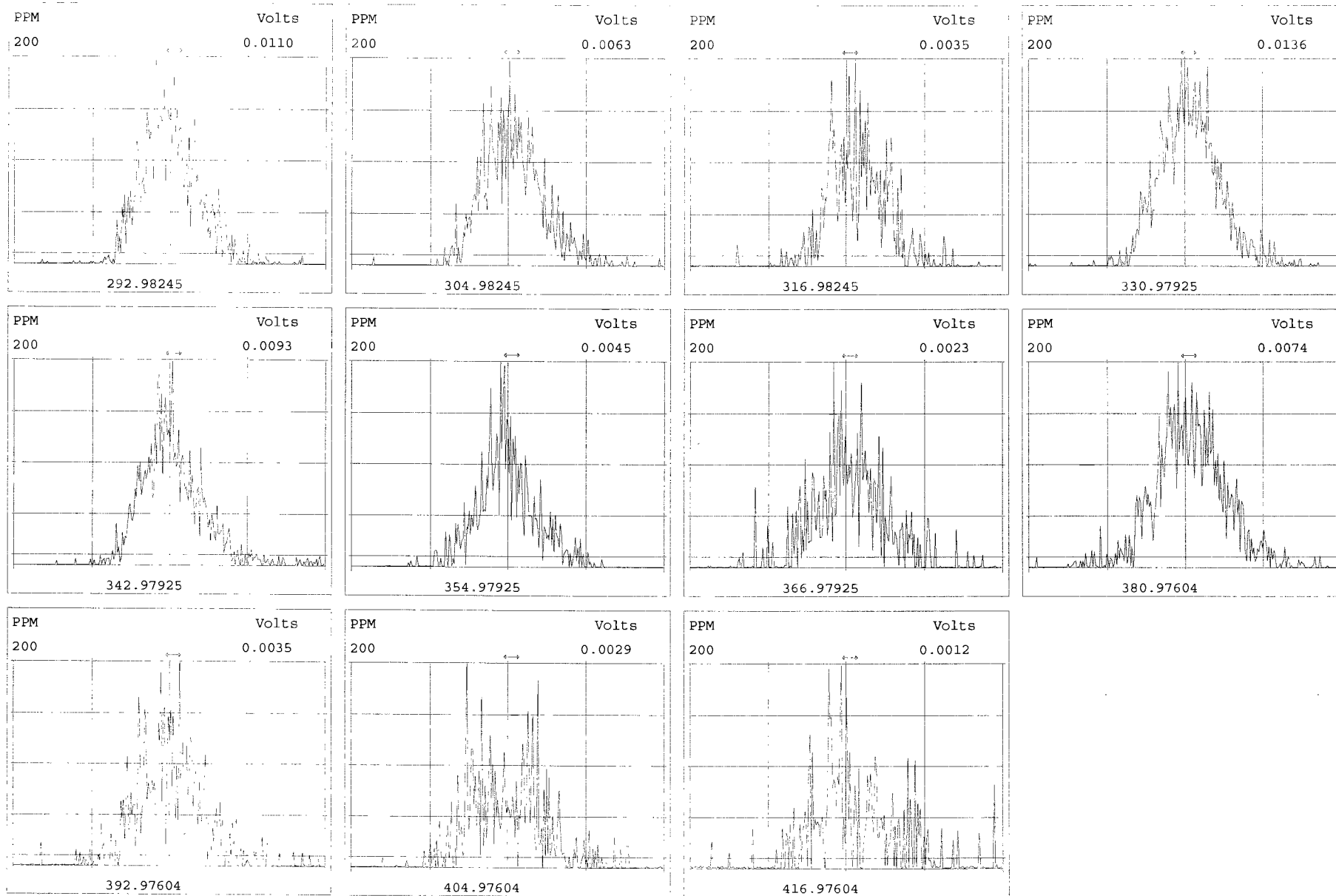
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EndCAL: NA

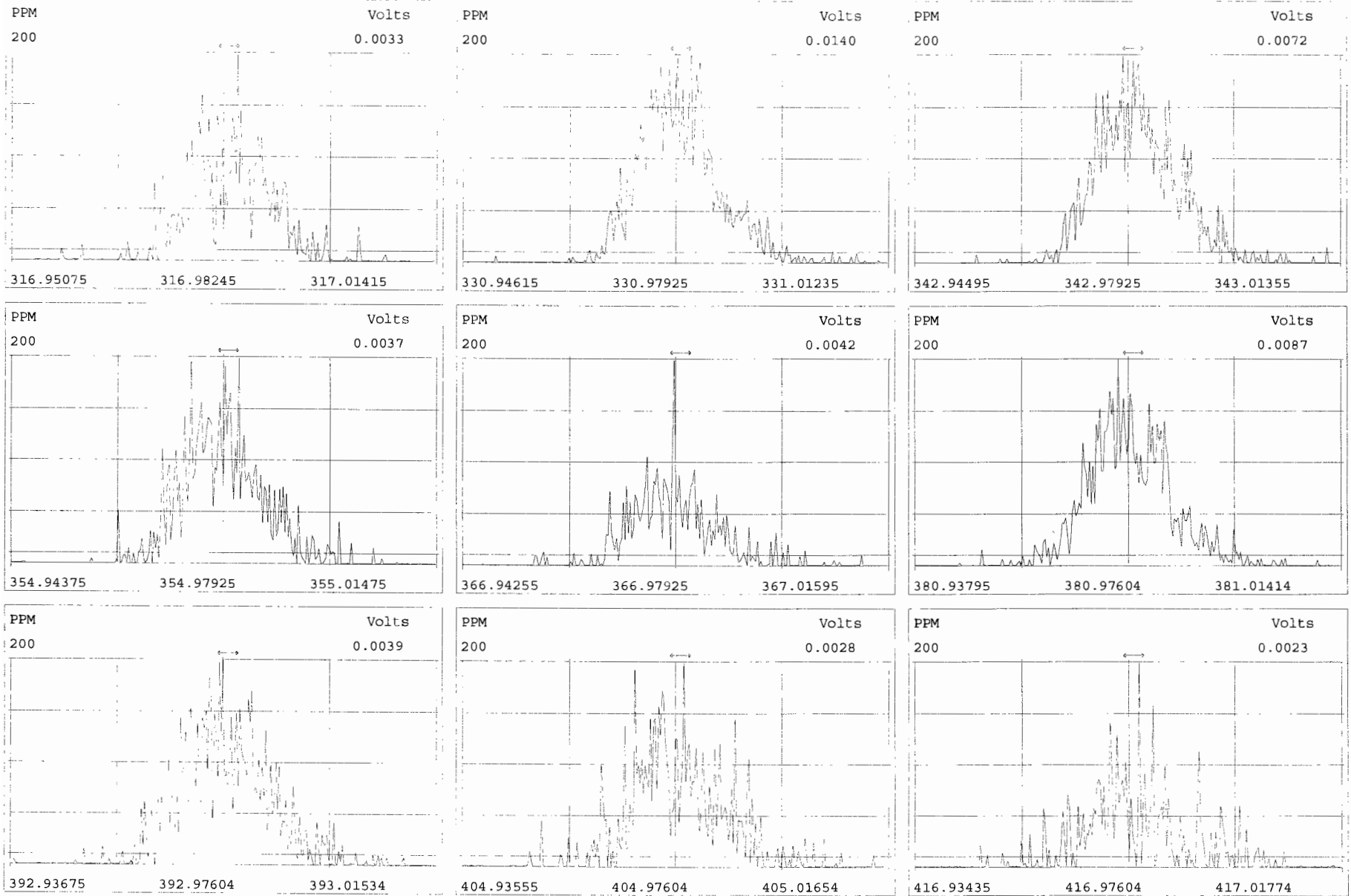
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	9.51e+05	0.87 y	0.91	26:20	10.627		* 2.5		*	Total Tetra-Dioxins	78.5	78.8		*	*
1,2,3,7,8-PeCDD	3.77e+06	0.61 y	0.90	30:47	50.341		* 2.5		*	Total Penta-Dioxins	194	194		*	*
1,2,3,4,7,8-HxCDD	3.81e+06	1.21 y	1.10	34:06	48.737		* 2.5		*	Total Hexa-Dioxins	223	224		*	*
1,2,3,6,7,8-HxCDD	3.88e+06	1.20 y	0.94	34:12	51.126		* 2.5		*	Total Hepta-Dioxins	115	115		*	*
1,2,3,7,8,9-HxCDD	4.06e+06	1.22 y	0.96	34:30	50.739		* 2.5		*	Total Tetra-Furans	38.2	38.6		*	*
1,2,3,4,6,7,8-HpCDD	3.87e+06	1.05 y	0.98	37:56	50.262		* 2.5		*	Total Penta-Furans	221.11	222.12		*	*
OCDD	7.00e+06	0.89 y	0.96	41:12	101.42		* 2.5		*	Total Hexa-Furans	263	263		*	*
										Total Hepta-Furans	97.9	98.6		*	*
2,3,7,8-TCDF	1.32e+06	0.83 y	0.95	25:34	9.6949		* 2.5		*						
1,2,3,7,8-PeCDF	6.48e+06	1.65 y	0.96	29:37	51.359		* 2.5		*						
2,3,4,7,8-PeCDF	6.56e+06	1.65 y	1.01	30:30	50.920		* 2.5		*						
1,2,3,4,7,8-HxCDF	5.62e+06	1.23 y	1.18	33:12	48.590		* 2.5		*						
1,2,3,6,7,8-HxCDF	5.63e+06	1.19 y	1.07	33:19	49.260		* 2.5		*						
2,3,4,6,7,8-HxCDF	5.54e+06	1.21 y	1.11	33:55	50.212		* 2.5		*						
1,2,3,7,8,9-HxCDF	4.78e+06	1.21 y	1.06	34:53	49.267		* 2.5		*						
1,2,3,4,6,7,8-HpCDF	4.90e+06	1.04 y	1.13	36:43	49.384		* 2.5		*						
1,2,3,4,7,8,9-HpCDF	4.68e+06	1.03 y	1.28	38:28	48.063		* 2.5		*						
OCDF	8.24e+06	0.90 y	0.95	41:26	99.567		* 2.5		*						
										Rec	Qual				
IS 13C-2,3,7,8-TCDD	9.89e+06	0.75 y	1.10	26:19	104.11					104					
IS 13C-1,2,3,7,8-PeCDD	8.30e+06	0.60 y	0.88	30:46	108.58					109					
IS 13C-1,2,3,4,7,8-HxCDD	7.10e+06	1.24 y	0.64	34:05	104.99					105					
IS 13C-1,2,3,6,7,8-HxCDD	8.09e+06	1.27 y	0.86	34:11	89.799					89.8					
IS 13C-1,2,3,7,8,9-HxCDD	8.33e+06	1.24 y	0.81	34:29	97.987					98.0					
IS 13C-1,2,3,4,6,7,8-HpCDD	7.87e+06	1.06 y	0.65	37:55	114.26					114					
IS 13C-OCDD	1.44e+07	0.90 y	0.58	41:12	235.89					118					
IS 13C-2,3,7,8-TCDF	1.43e+07	0.81 y	1.03	25:33	102.26					102					
IS 13C-1,2,3,7,8-PeCDF	1.31e+07	1.58 y	0.85	29:36	113.93					114					
IS 13C-2,3,4,7,8-PeCDF	1.27e+07	1.60 y	0.85	30:29	111.05					111					
IS 13C-1,2,3,4,7,8-HxCDF	9.82e+06	0.50 y	0.83	33:11	112.11					112					
IS 13C-1,2,3,6,7,8-HxCDF	1.07e+07	0.50 y	1.03	33:19	98.192					98.2					
IS 13C-2,3,4,6,7,8-HxCDF	9.91e+06	0.49 y	0.95	33:54	98.668					98.7					
IS 13C-1,2,3,7,8,9-HxCDF	9.14e+06	0.50 y	0.83	34:51	104.81					105					
IS 13C-1,2,3,4,6,7,8-HpCDF	8.81e+06	0.44 y	0.76	36:43	110.36					110					
IS 13C-1,2,3,4,7,8,9-HpCDF	7.60e+06	0.45 y	0.58	38:27	124.21					124					
IS 13C-OCDF	1.75e+07	0.91 y	0.69	41:25	240.93					120					
C/Up 37Cl-2,3,7,8-TCDD	1.04e+06		1.20	26:20	9.9915					99.9					
RS/RT 13C-1,2,3,4-TCDD	8.67e+06	0.76 y	1.00	25:46	100.00						Integrations	Reviewed			
RS 13C-1,2,3,4-TCDF	1.35e+07	0.83 y	1.00	24:21	100.00						by	by			
RS/RT 13C-1,2,3,4,6,9-HxCDF	1.05e+07	0.50 y	1.00	33:36	100.00						Analyst: DB	Analyst: CT			

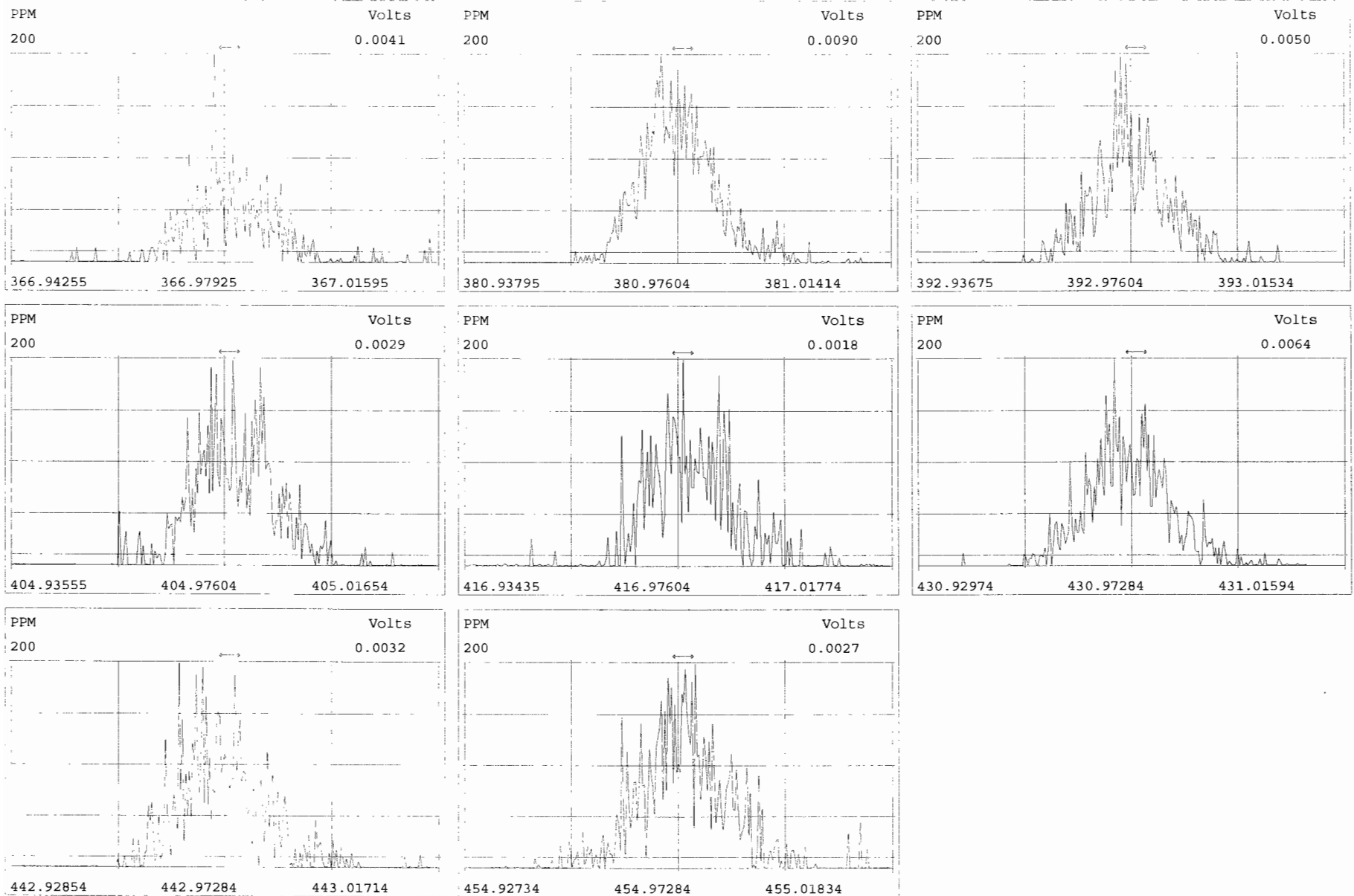
Date: 10/17/19 Date: 10/18/19

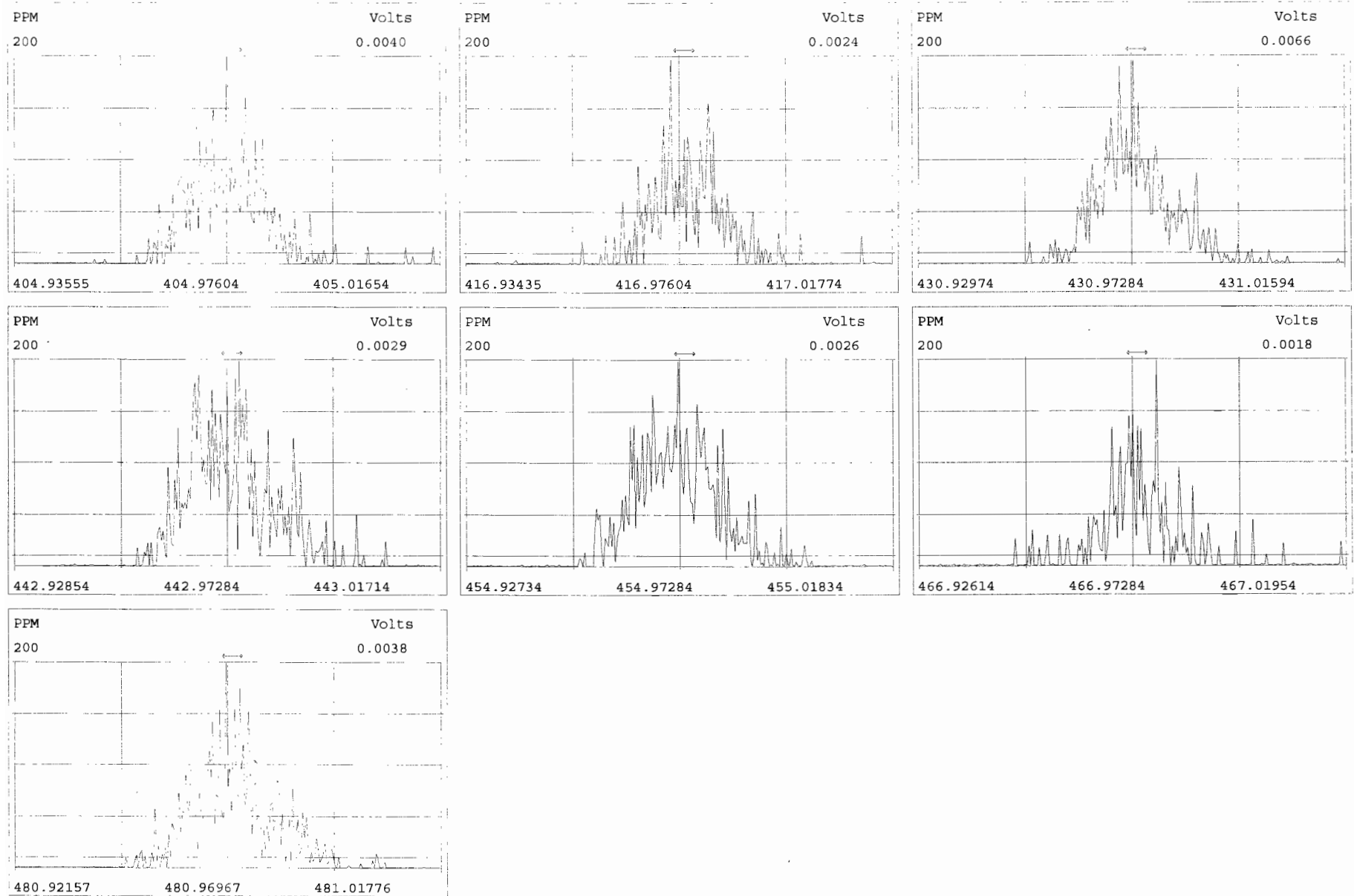
Vista Analytical Laboratory - Injection Log Run file: 191016D2 Instrument ID: VG-7 GC Column ID: ZB-5MS

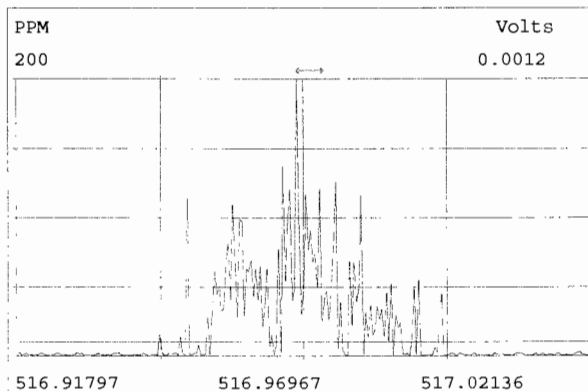
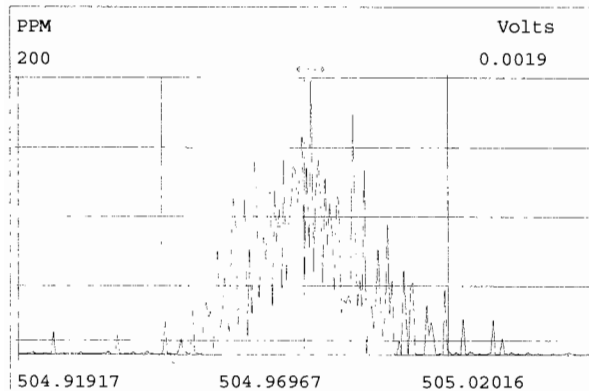
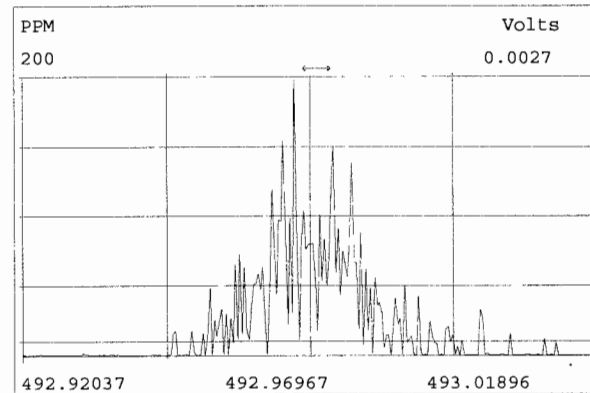
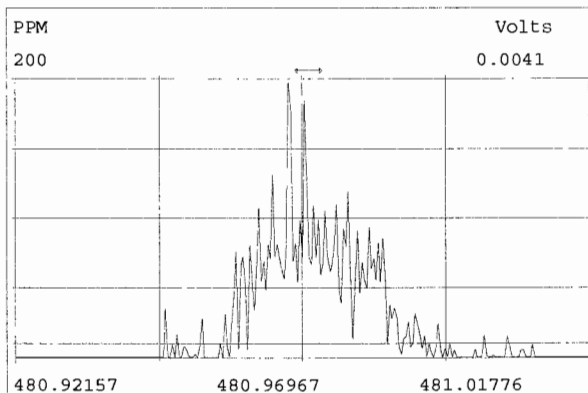
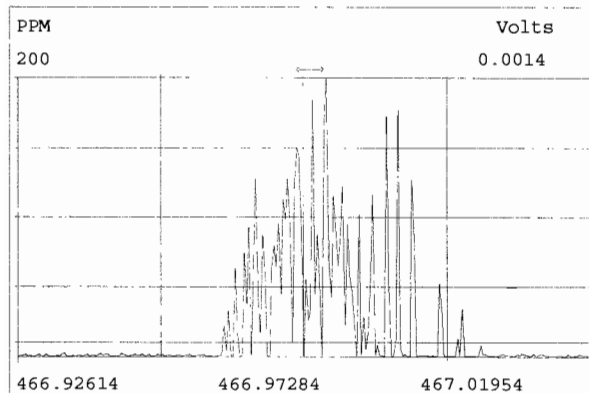
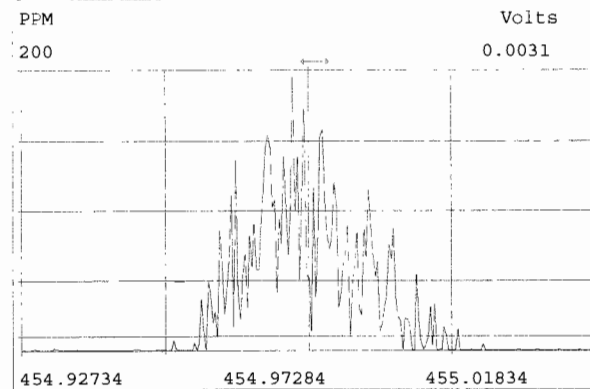
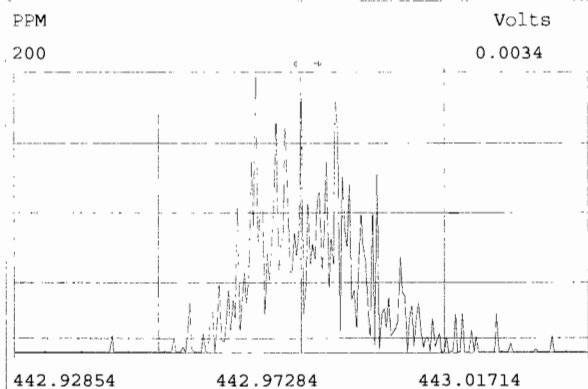
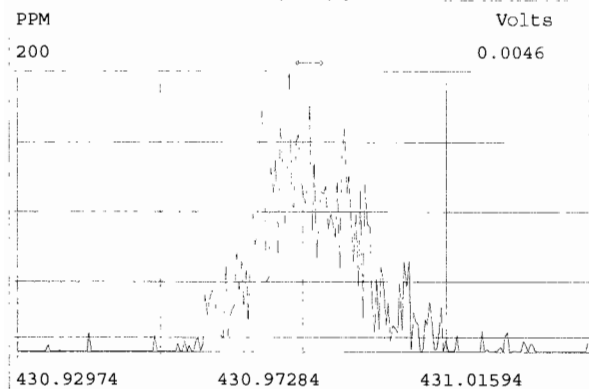
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
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191016D2	2	SOLVENT BLANK	DB	17-OCT-19	01:27:39	ST191016D2-1	NA
191016D2	3	1903463-01	DB	17-OCT-19	02:15:22	ST191016D2-1	NA
191016D2	4	1903463-02	DB	17-OCT-19	03:03:07	ST191016D2-1	NA
191016D2	5	1903463-03	DB	17-OCT-19	03:51:04	ST191016D2-1	NA
191016D2	6	1902883-08	DB	17-OCT-19	04:38:51	ST191016D2-1	NA
191016D2	7	1902883-09	DB	17-OCT-19	05:26:48	ST191016D2-1	NA
191016D2	8	1902883-10	DB	17-OCT-19	06:14:44	ST191016D2-1	NA
191016D2	9	1902883-11	DB	17-OCT-19	07:02:31	ST191016D2-1	NA
191016D2	10	1902883-12	DB	17-OCT-19	07:50:17	ST191016D2-1	NA
191016D2	11	1902883-13	DB	17-OCT-19	08:38:18	ST191016D2-1	NA
191016D2	12	1903285-06RE1	DB	17-OCT-19	09:26:14	ST191016D2-1	NA
191016D2	13	B9J0052-DUP1	DB	17-OCT-19	10:14:09	ST191016D2-1	NA
191016D2	14	1903241-01	DB	17-OCT-19	11:02:05	ST191016D2-1	NA
191016D2	15	1903442-01	DB	17-OCT-19	11:50:06	ST191016D2-1	NA

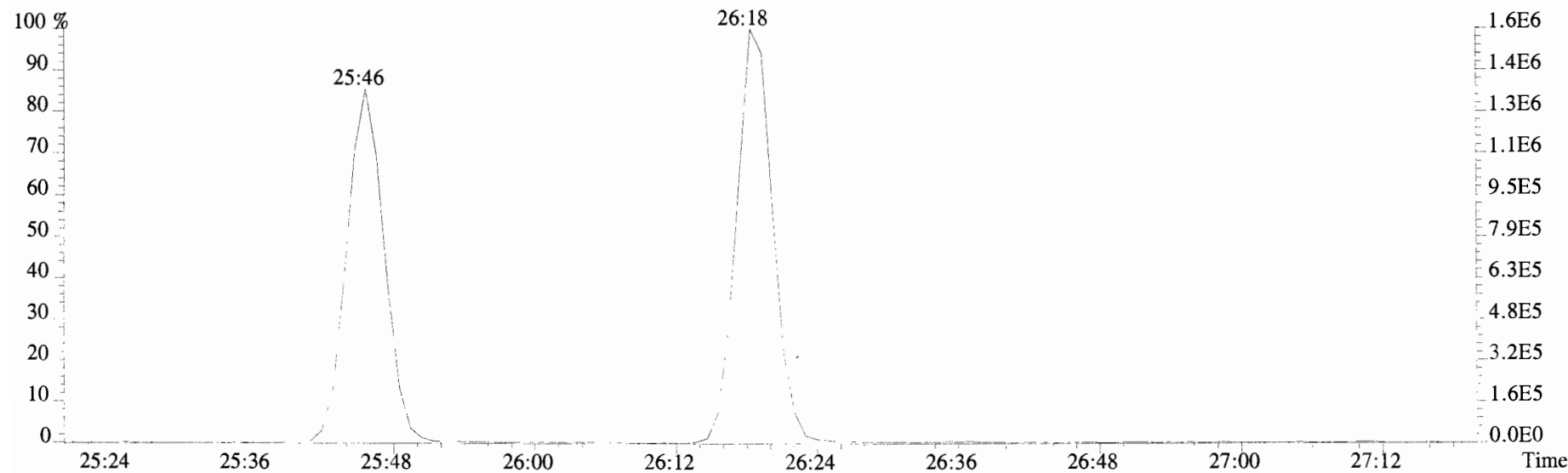
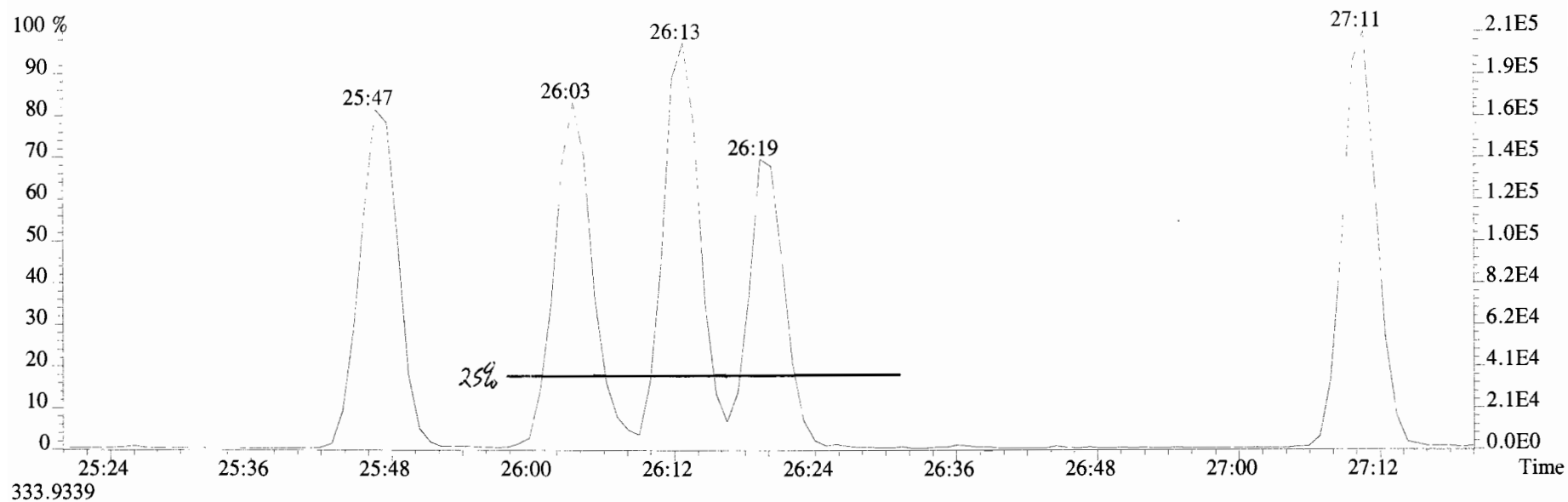




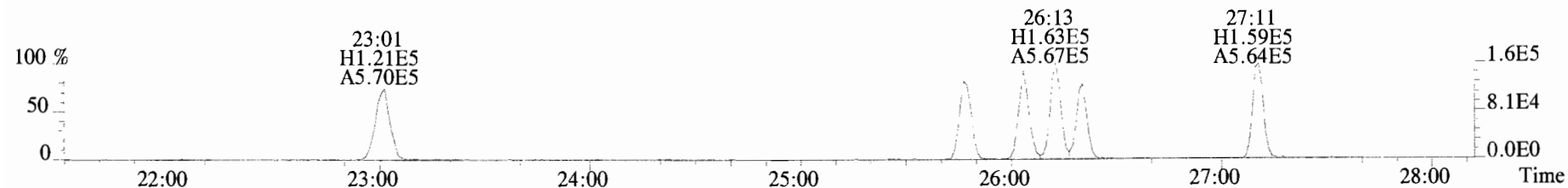




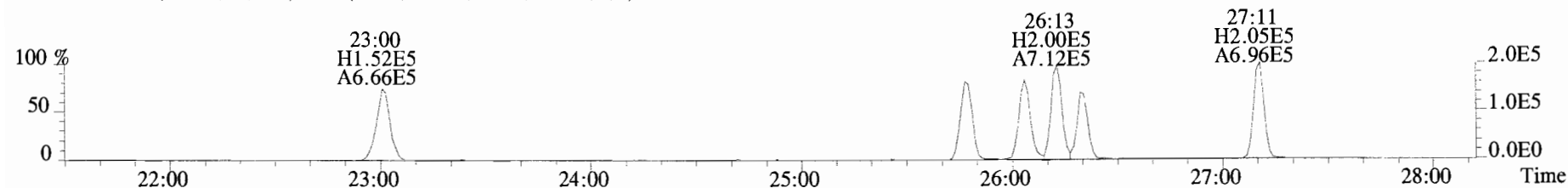




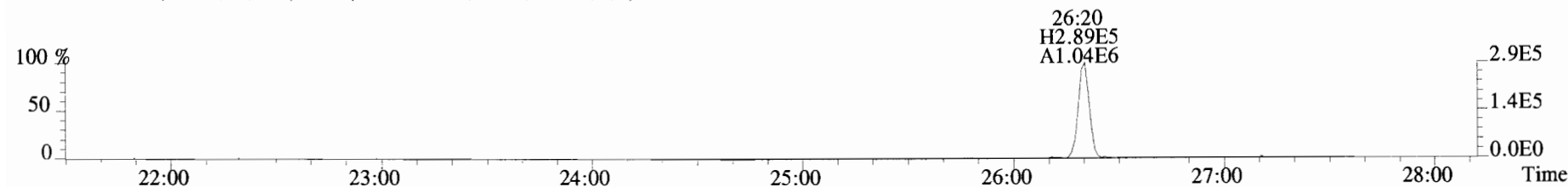
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Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



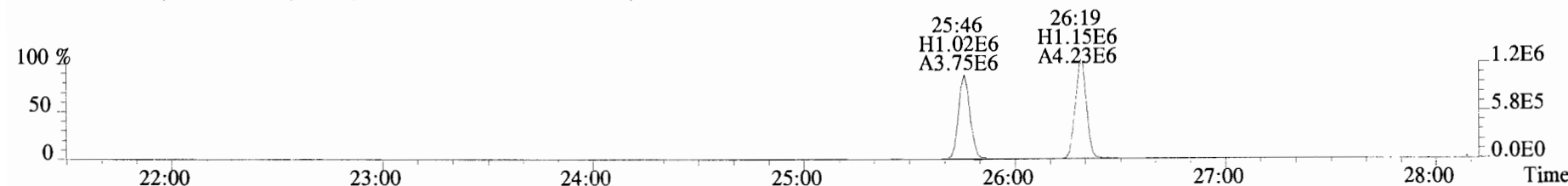
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



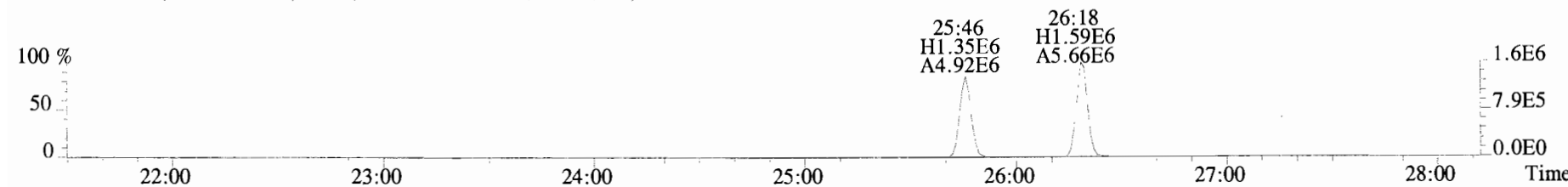
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



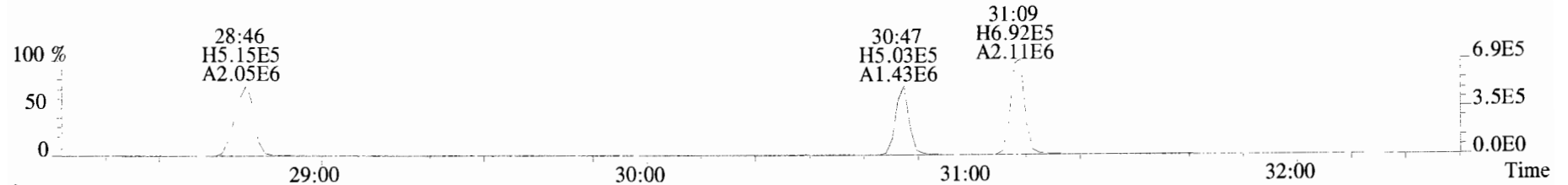
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



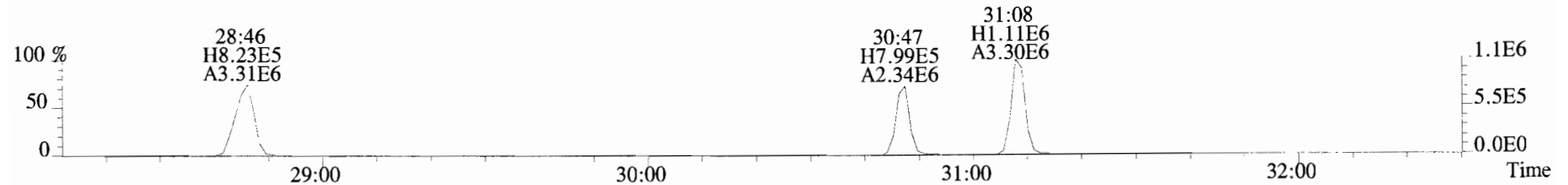
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



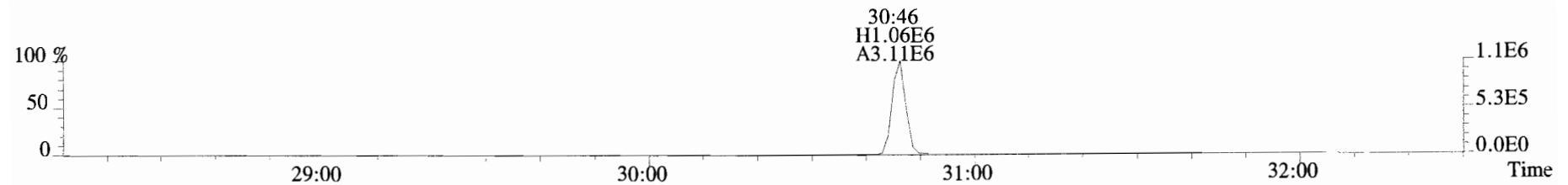
File:191016D2 #1-211 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



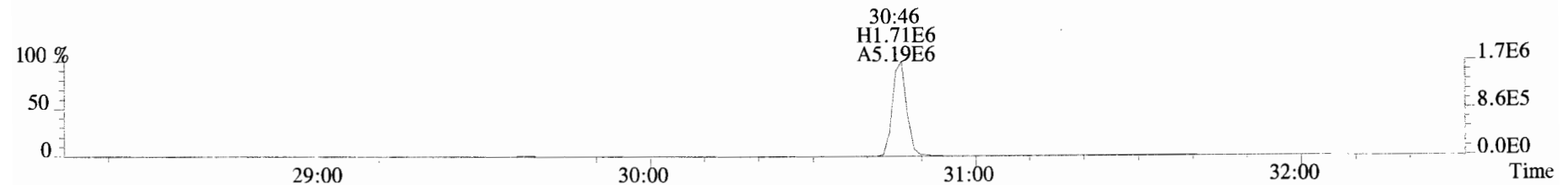
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



365.8978 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



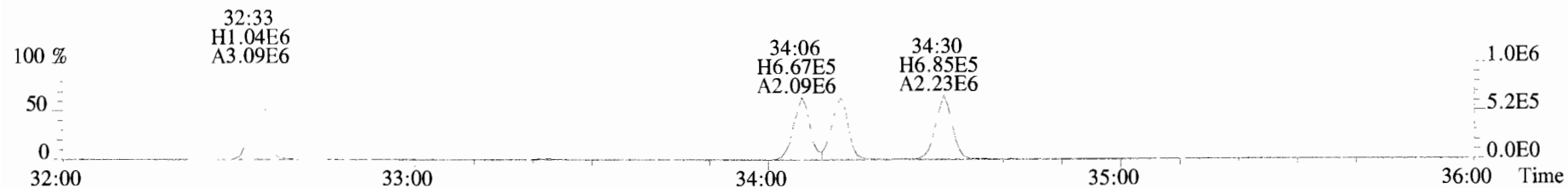
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



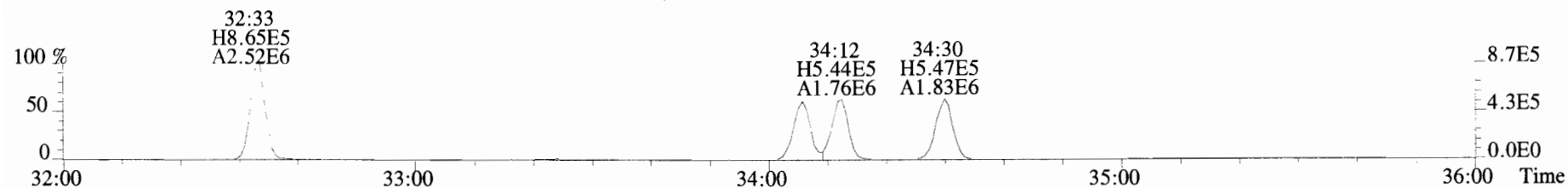
366.9792 F:2



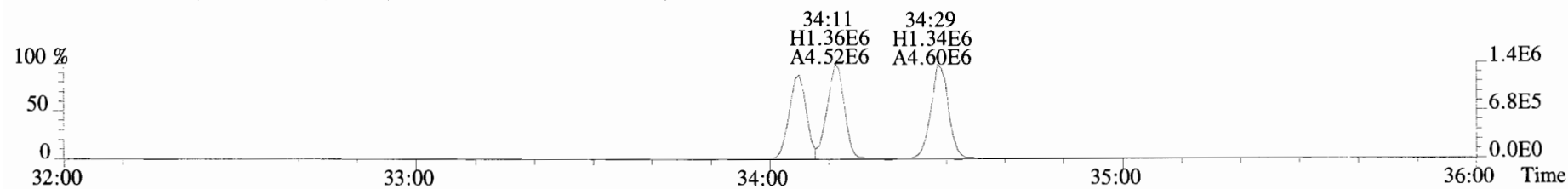
File:191016D2 #1-384 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



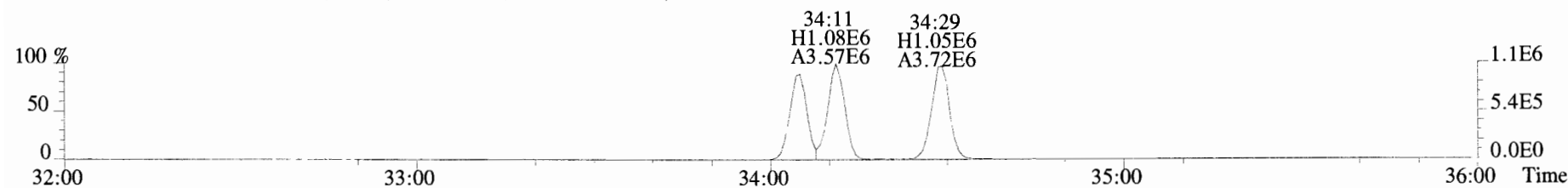
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



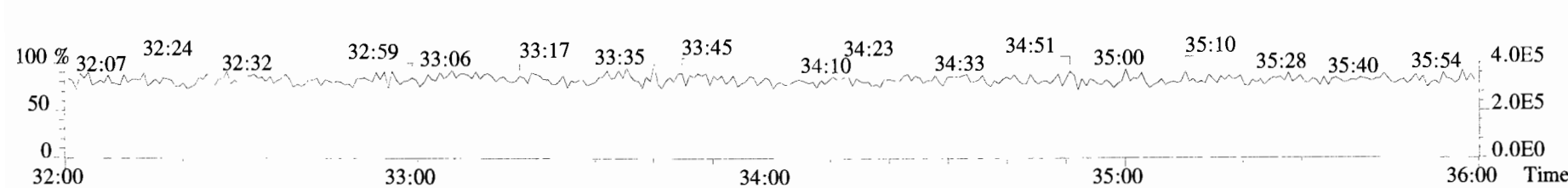
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



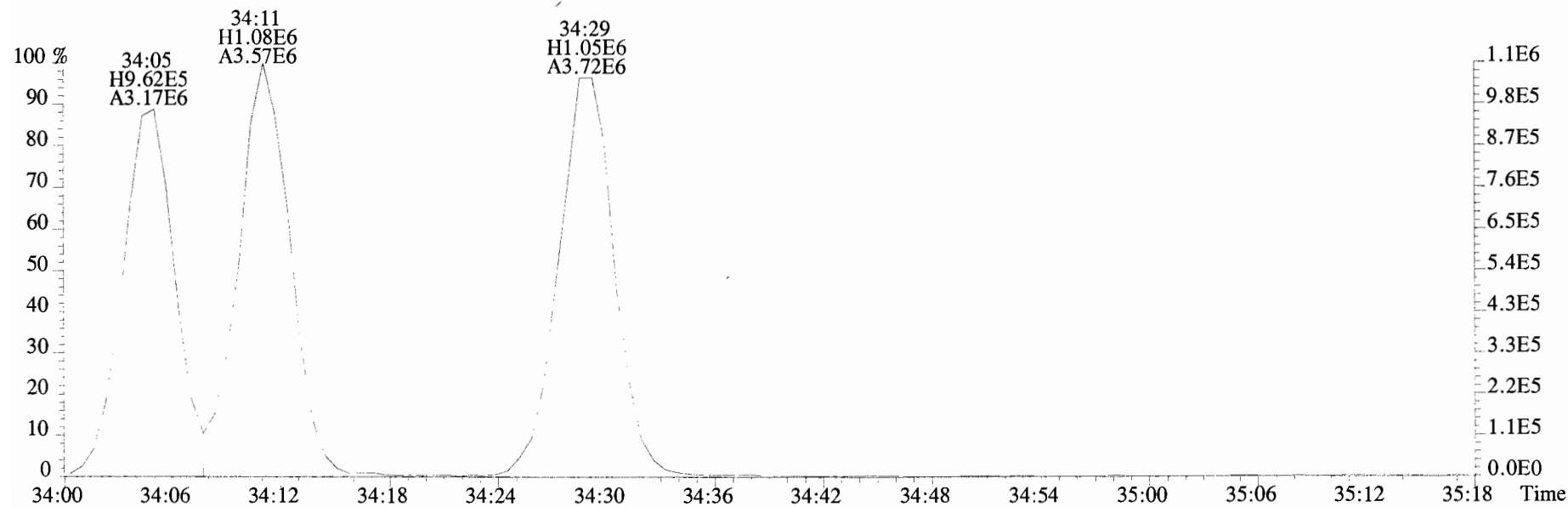
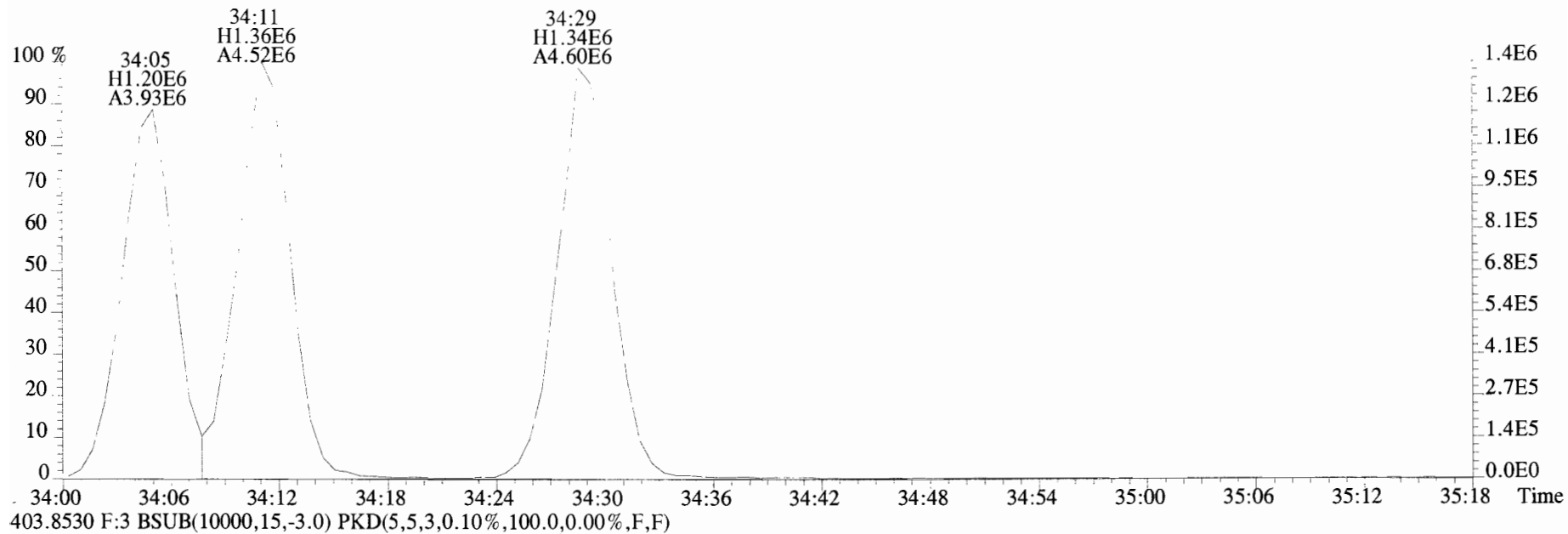
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



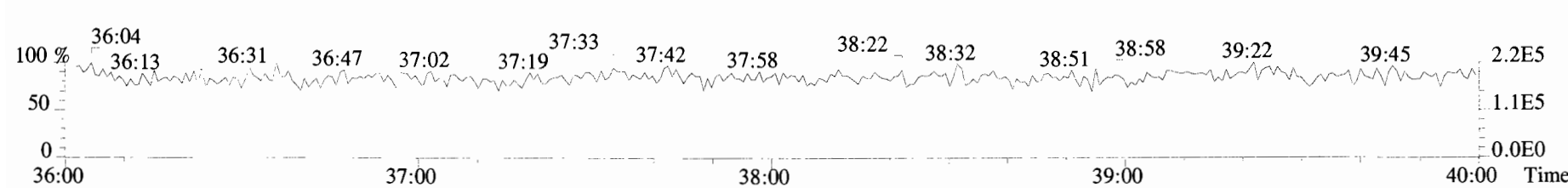
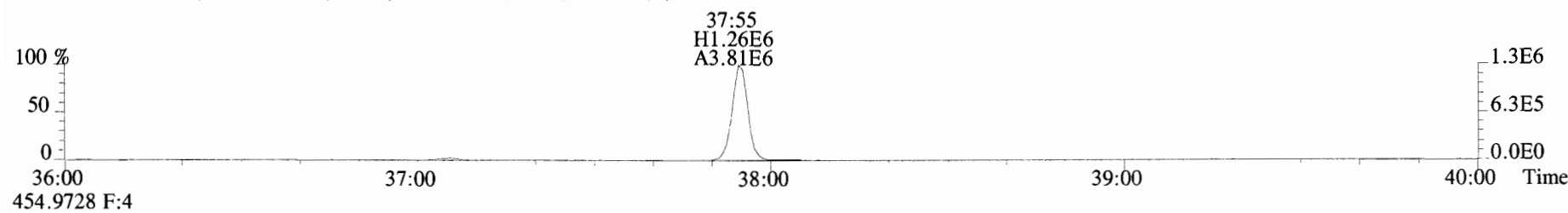
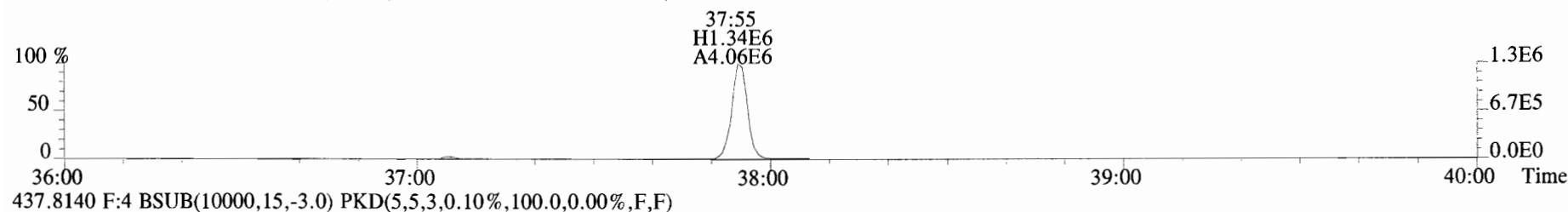
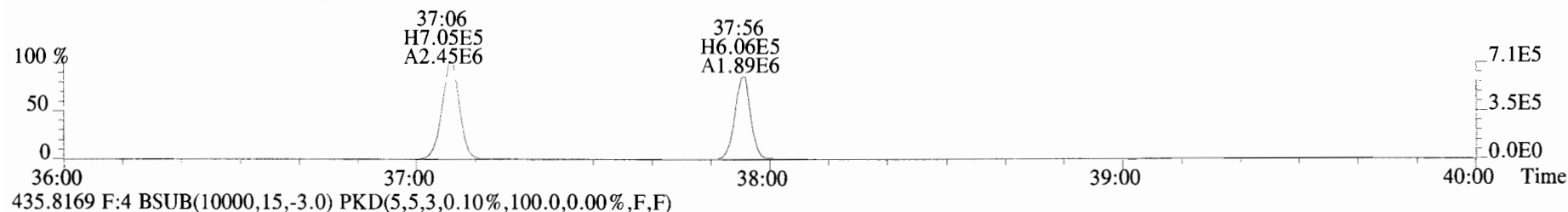
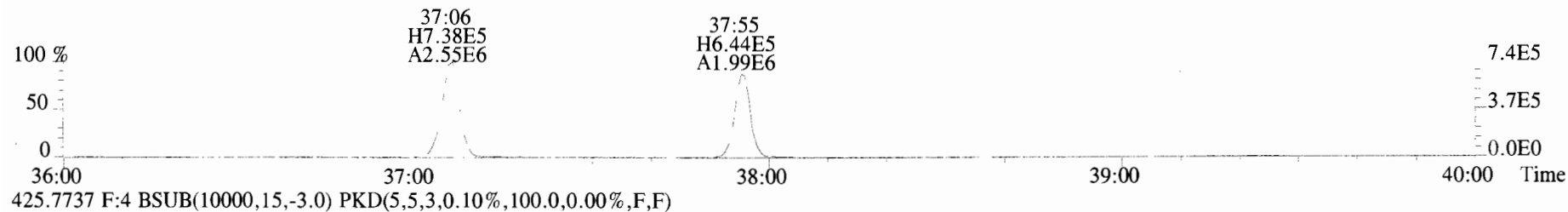
392.9760 F:3



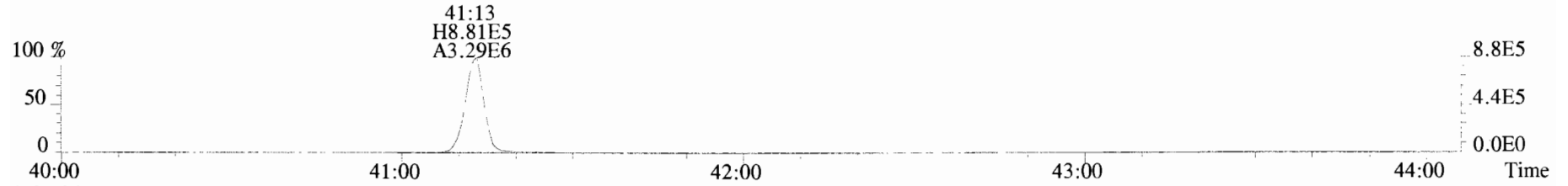
File:191016D2 #1-384 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



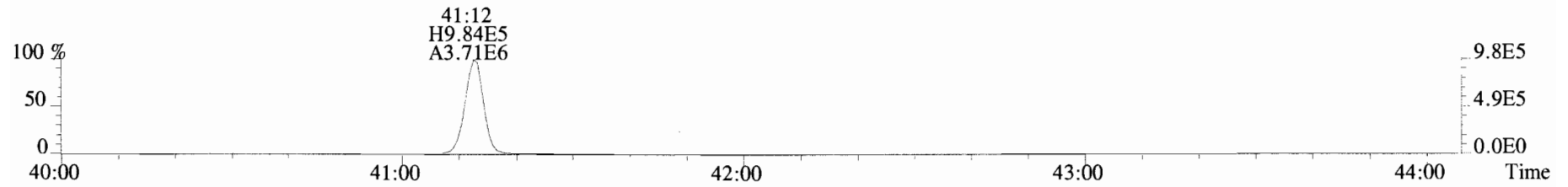
File:191016D2 #1-356 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



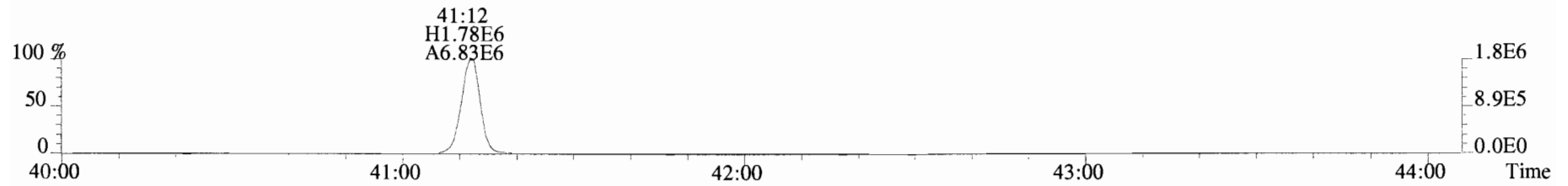
File:191016D2 #1-432 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



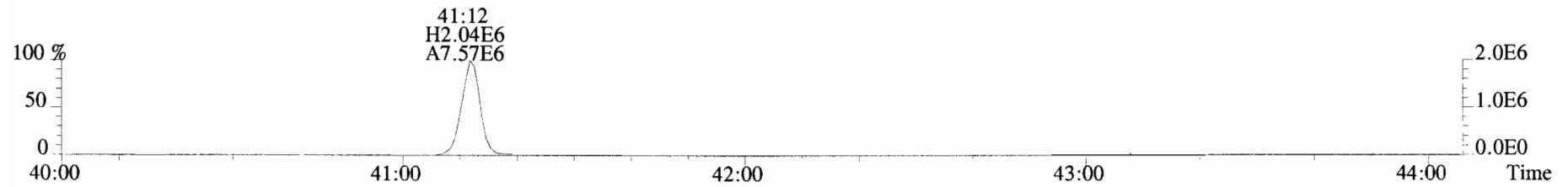
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



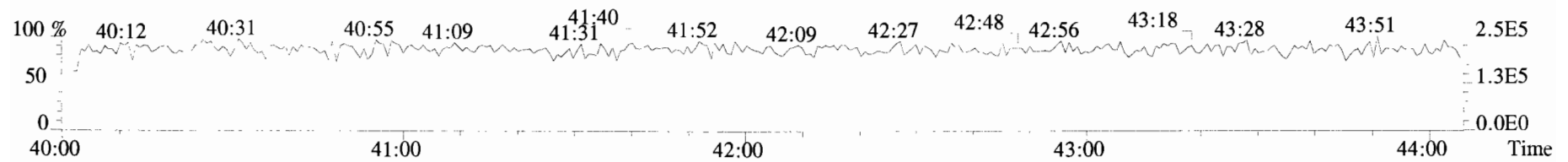
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



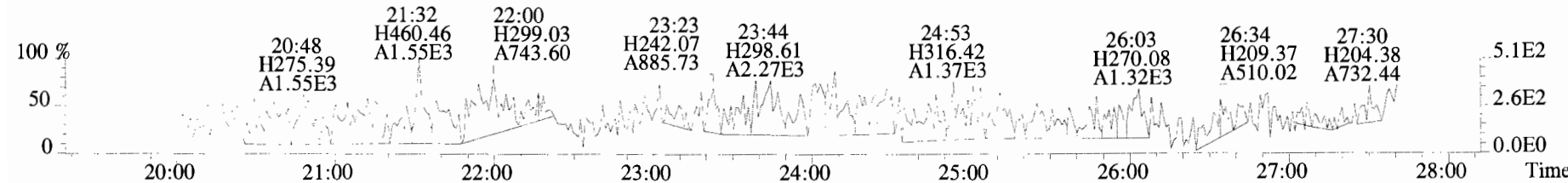
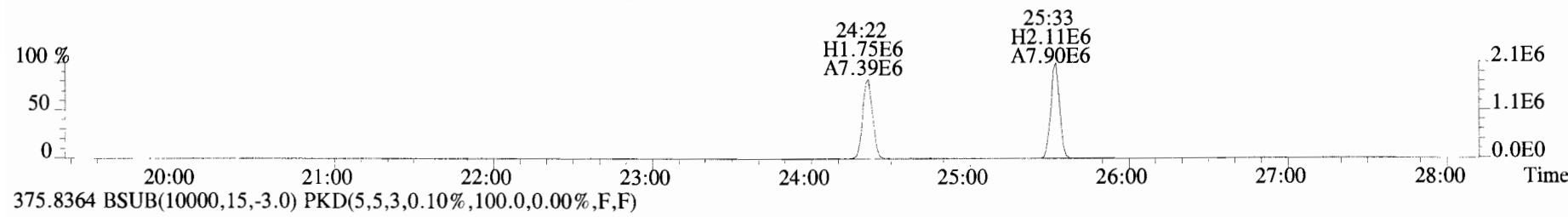
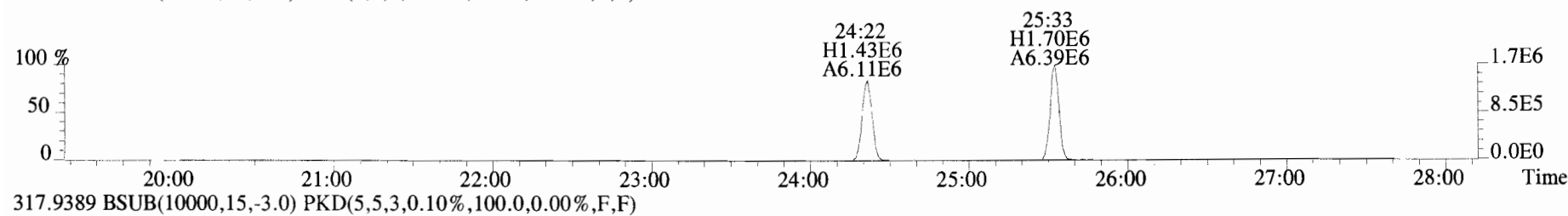
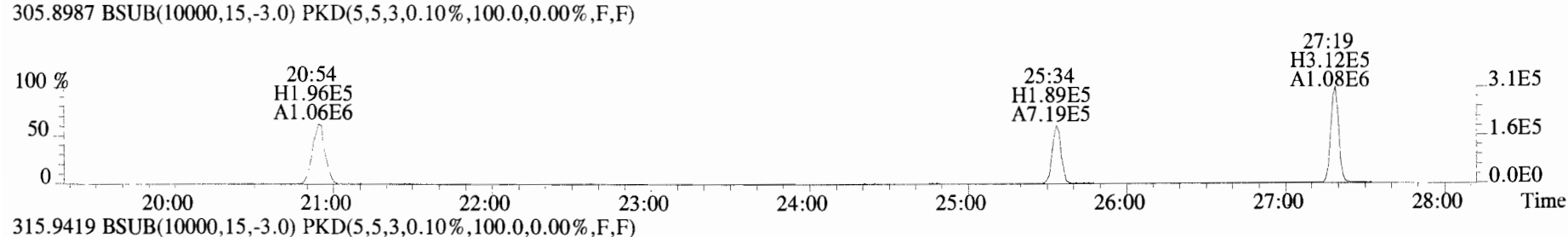
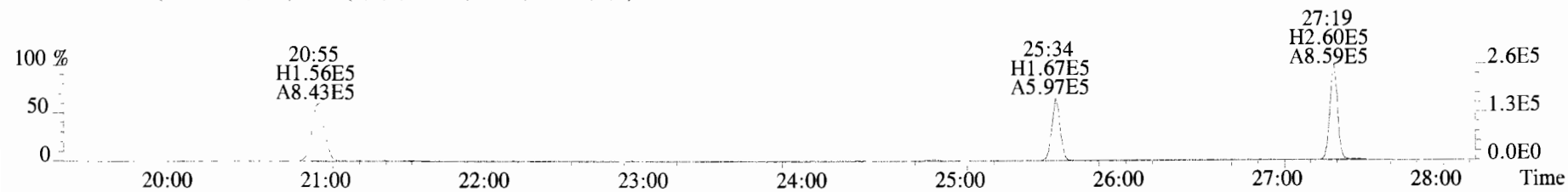
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



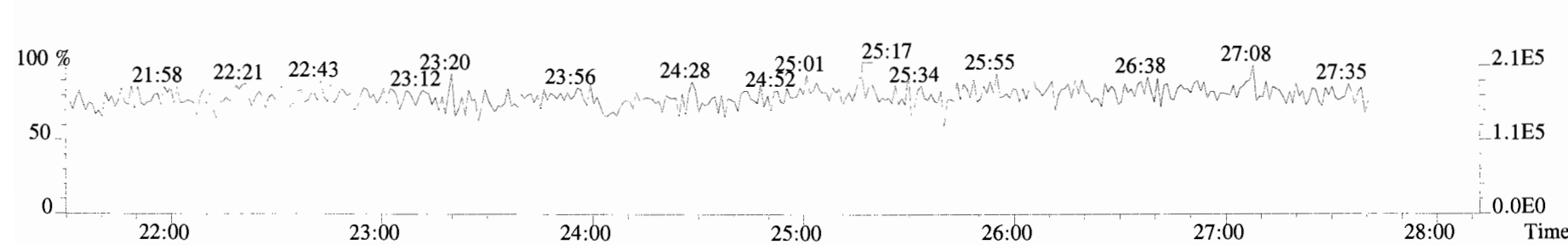
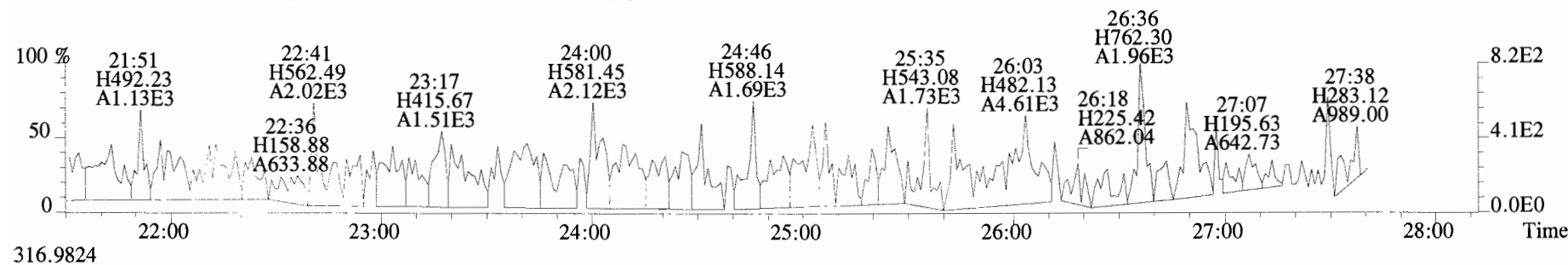
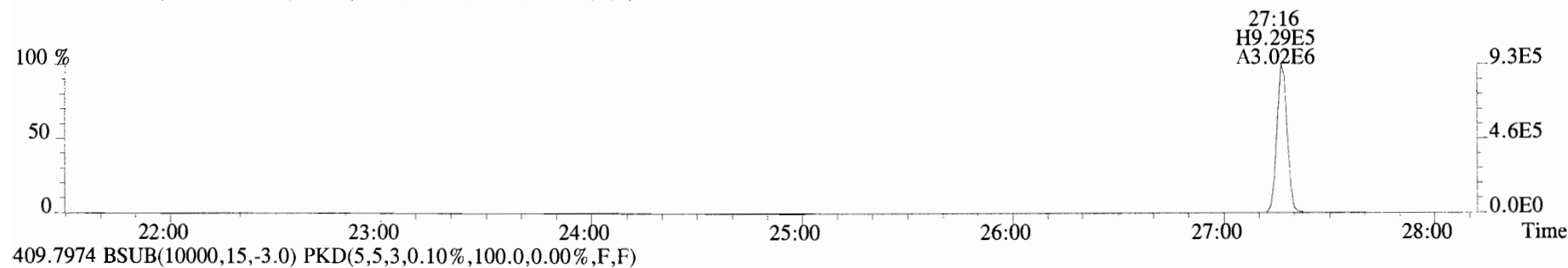
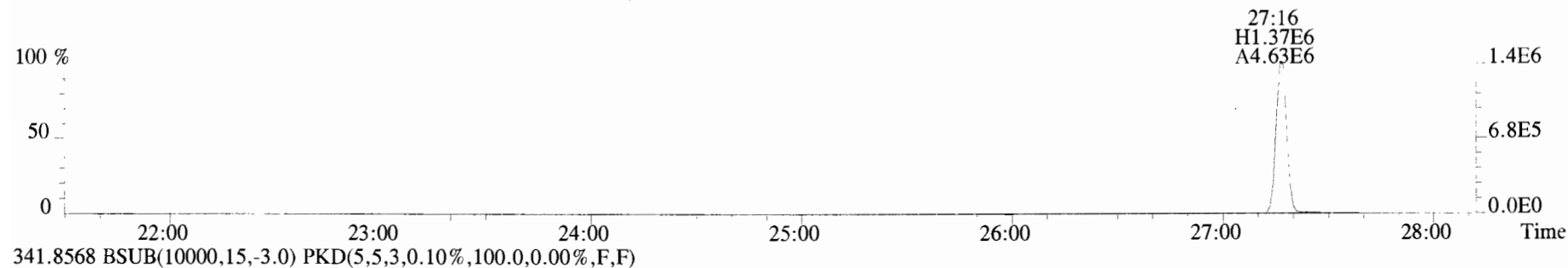
454.9728 F:5



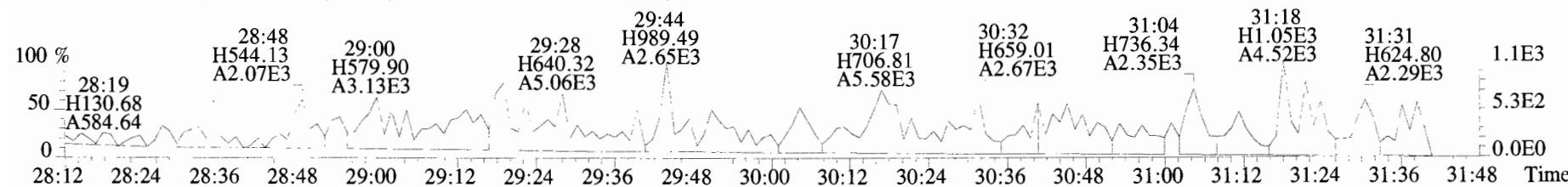
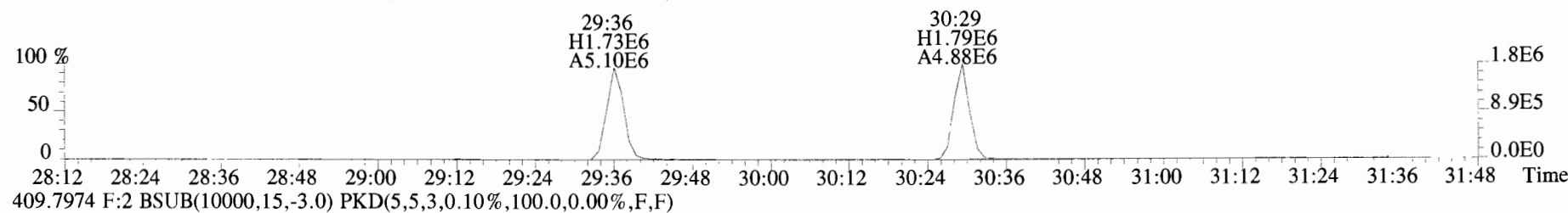
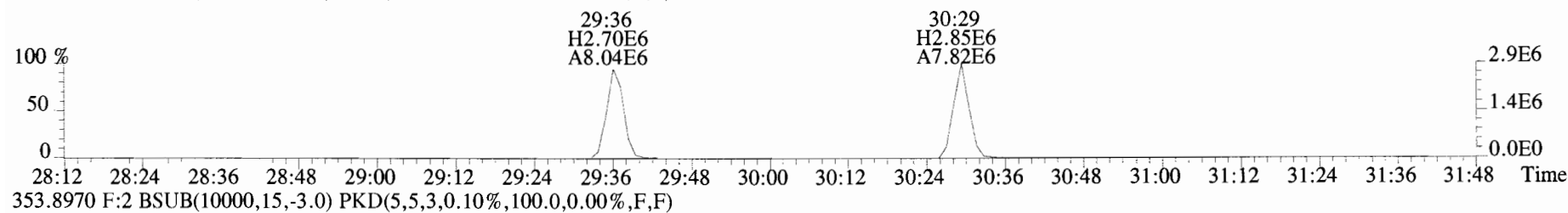
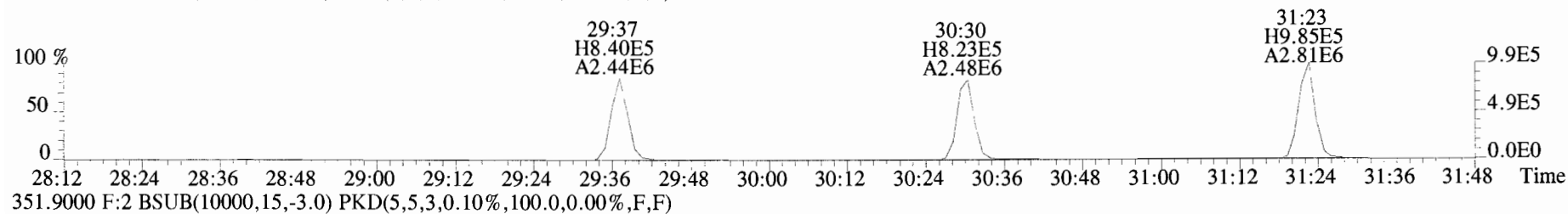
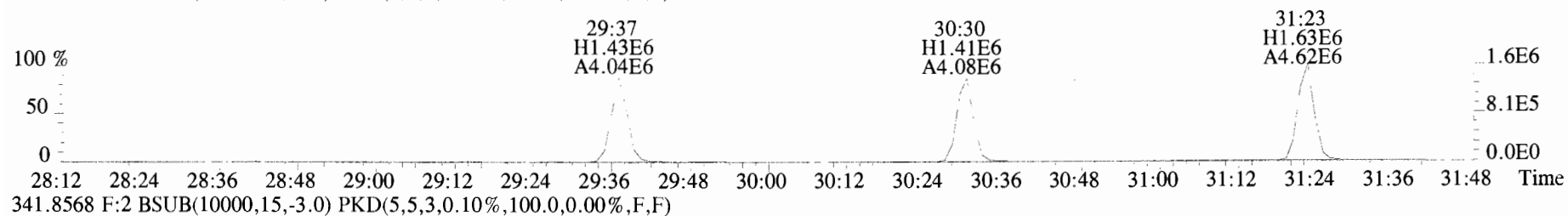
File:191016D2 #1-493 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



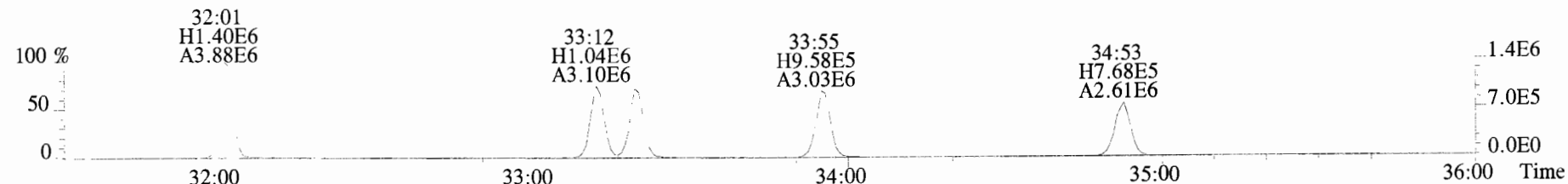
File:191016D2 #1-493 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



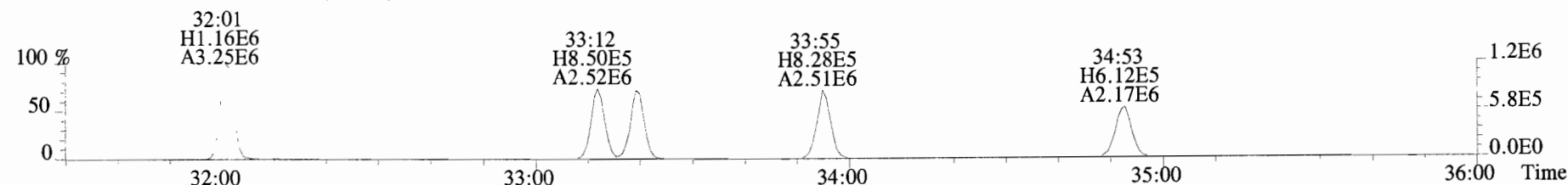
File:191016D2 #1-211 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



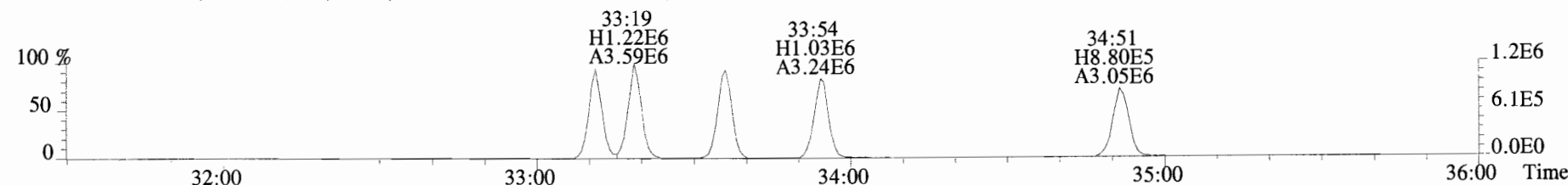
File:191016D2 #1-384 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



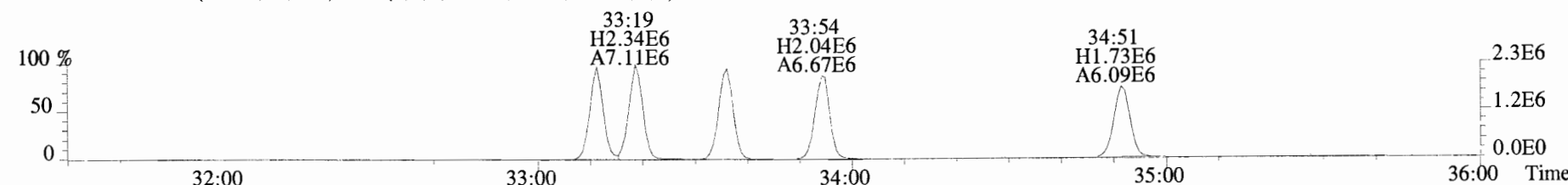
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



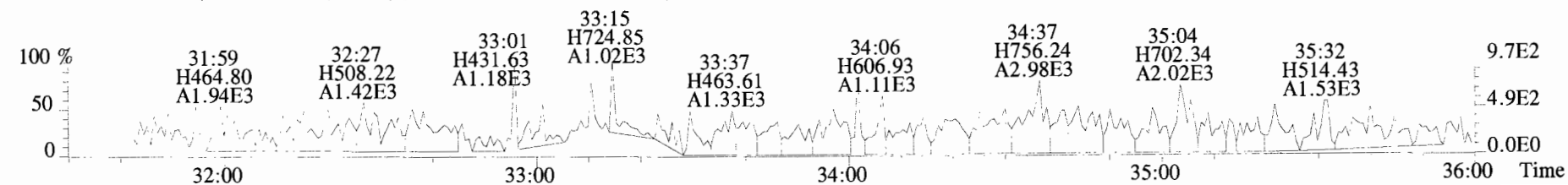
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



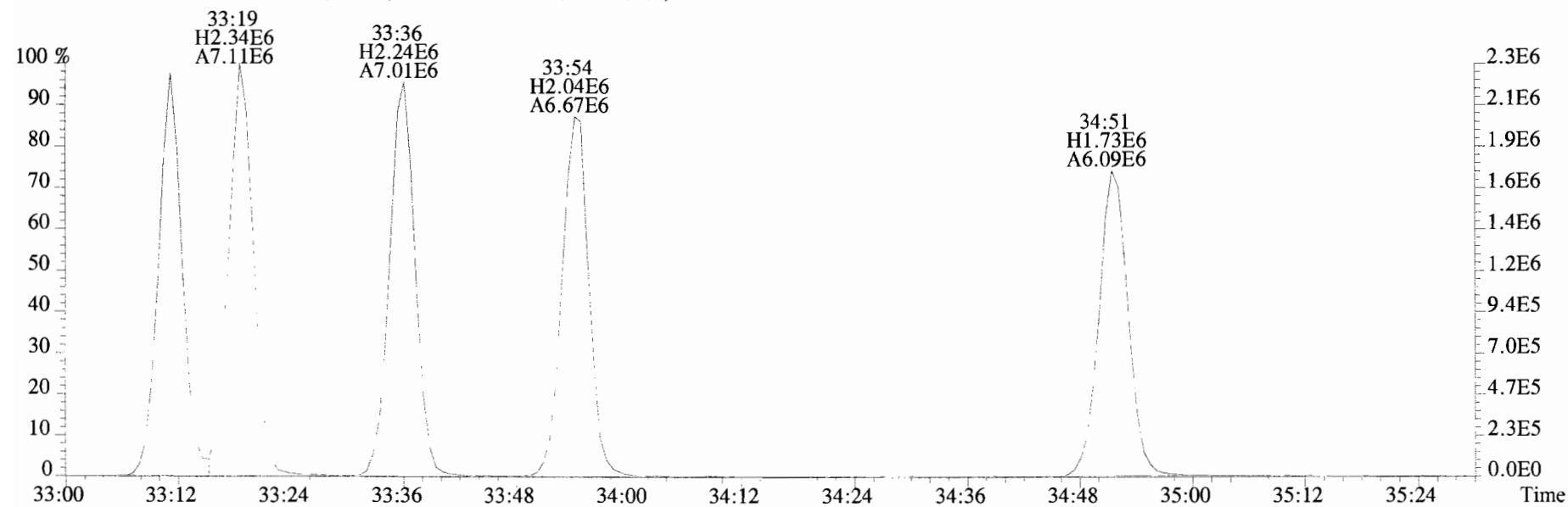
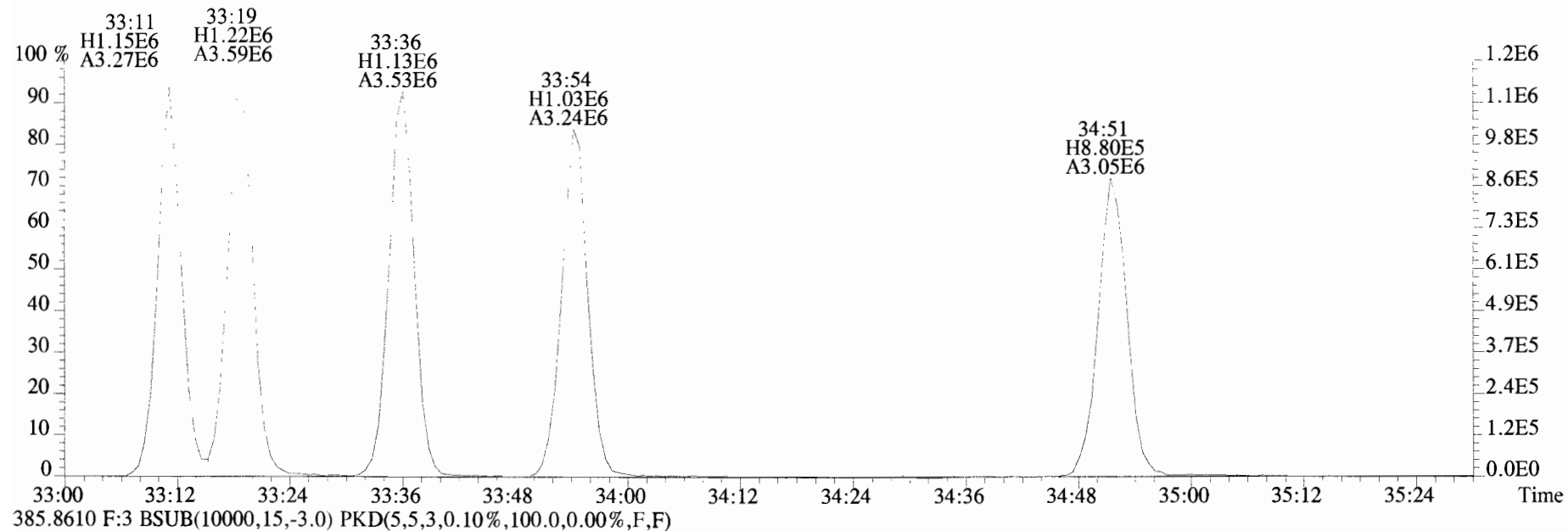
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



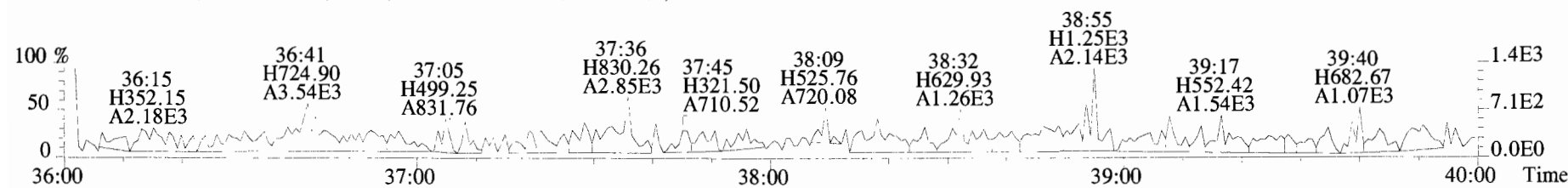
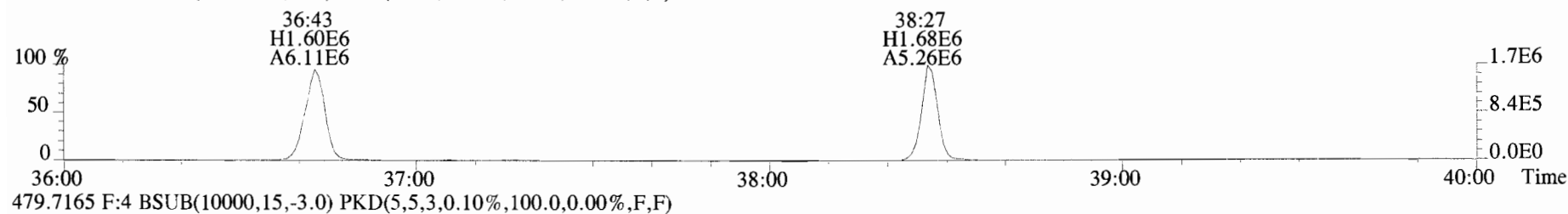
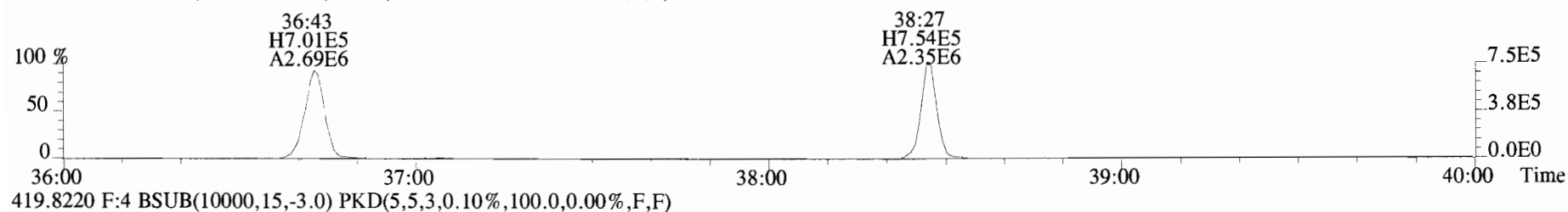
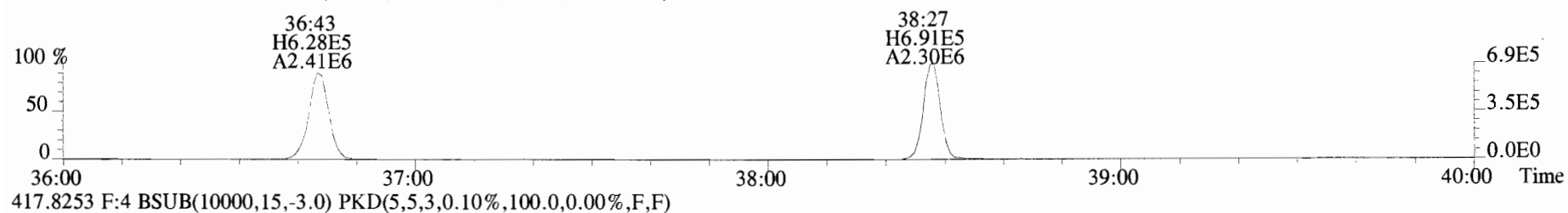
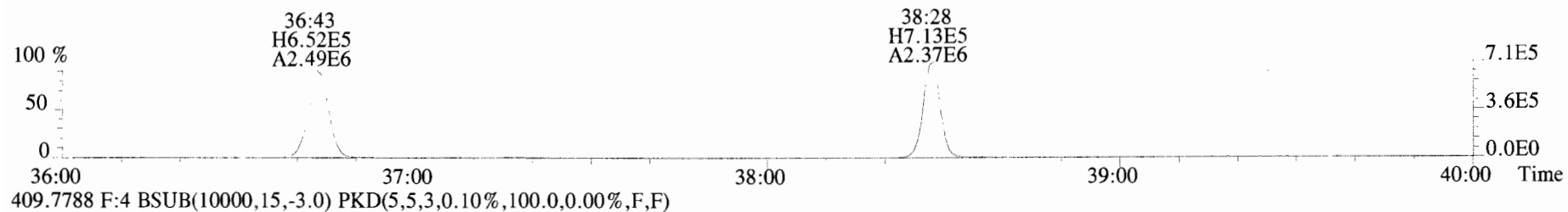
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191016D2 #1-384 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



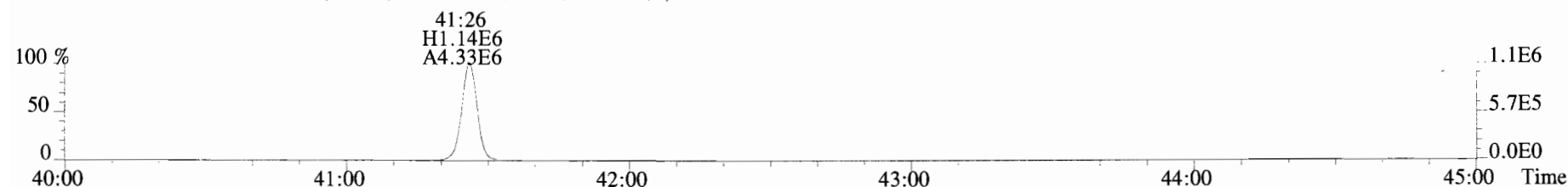
File:191016D2 #1-356 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



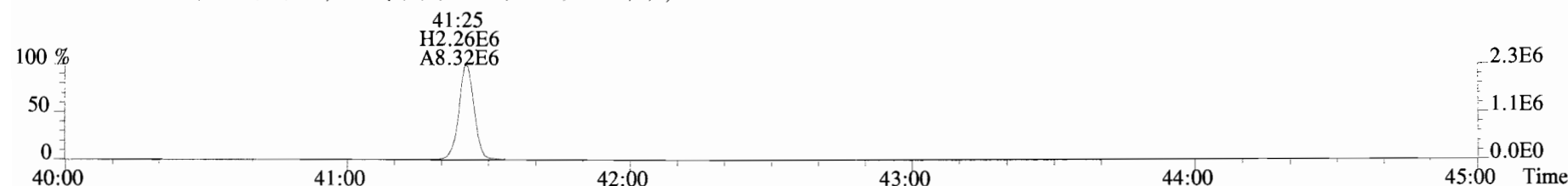
File:191016D2 #1-432 Acq:17-OCT-2019 00:39:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191016D2-1 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



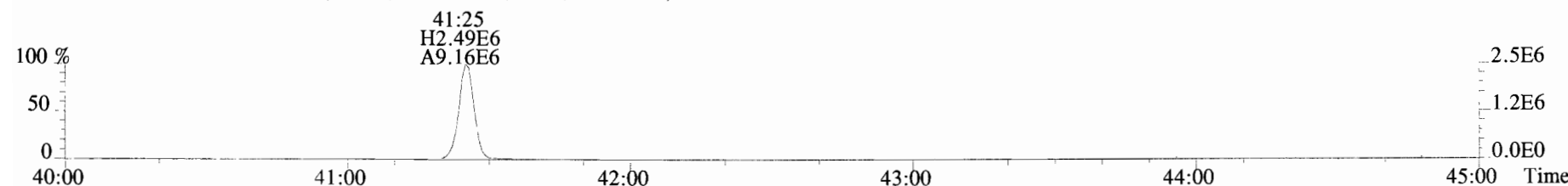
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



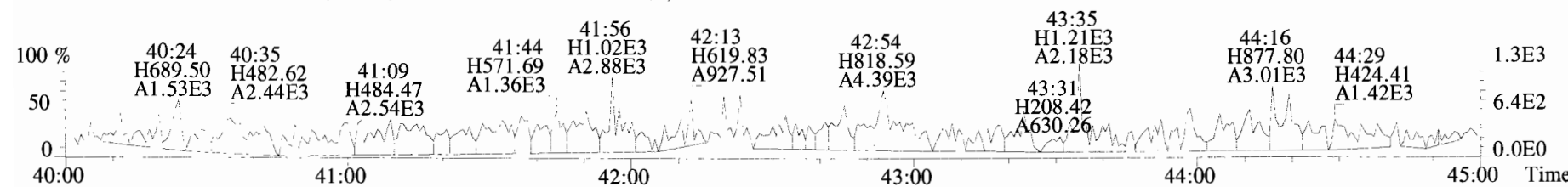
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

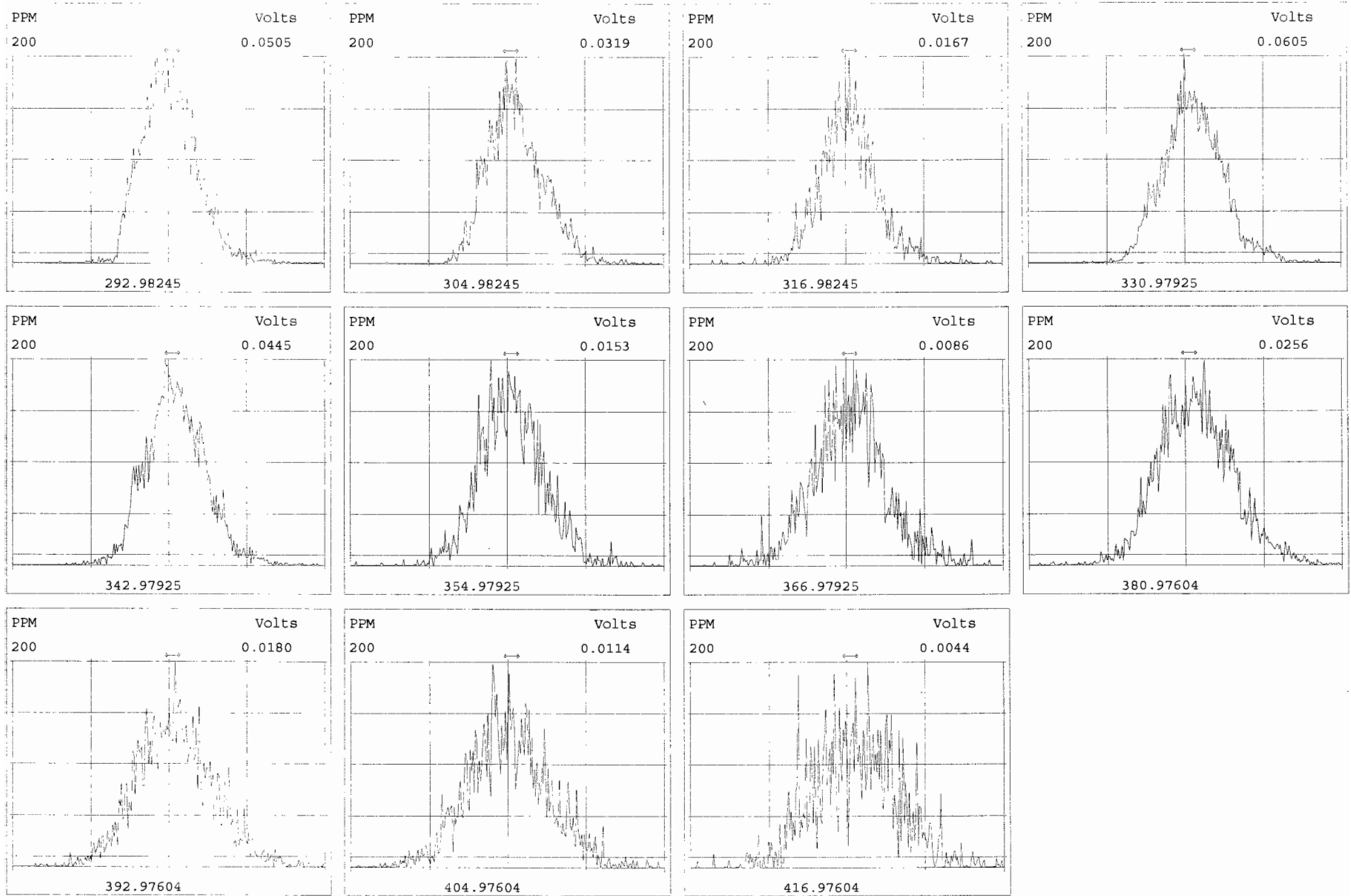


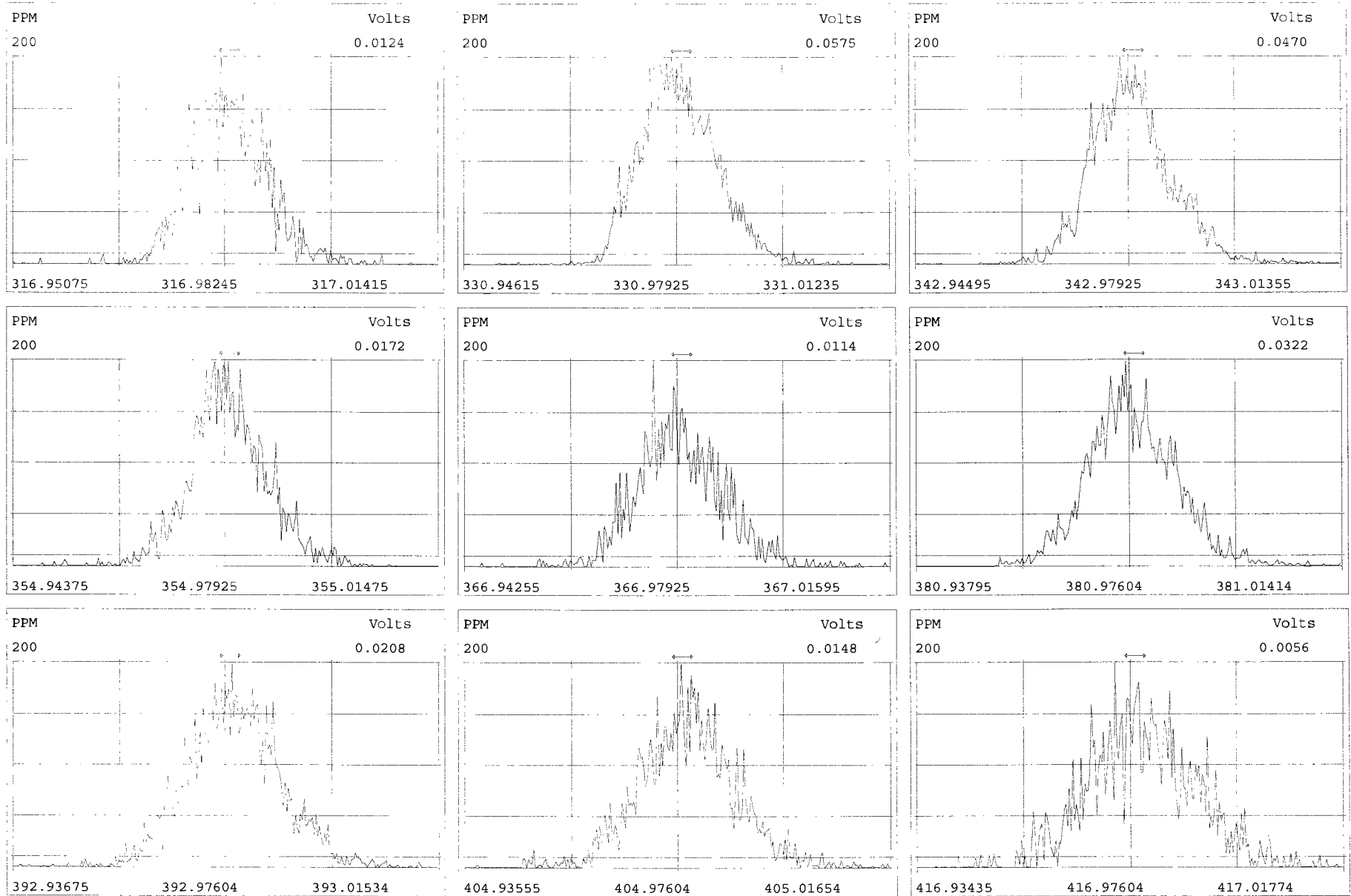
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

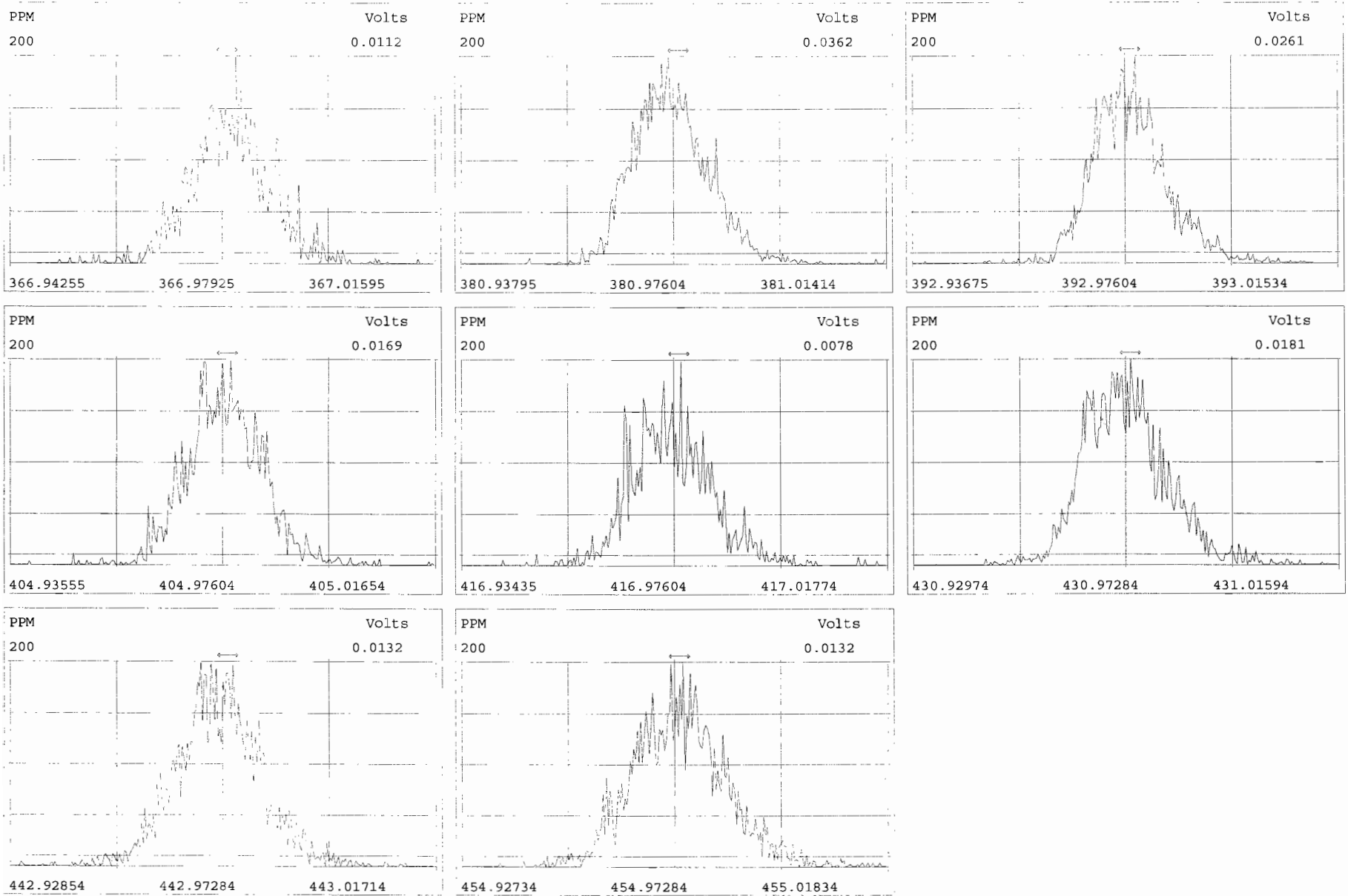


513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



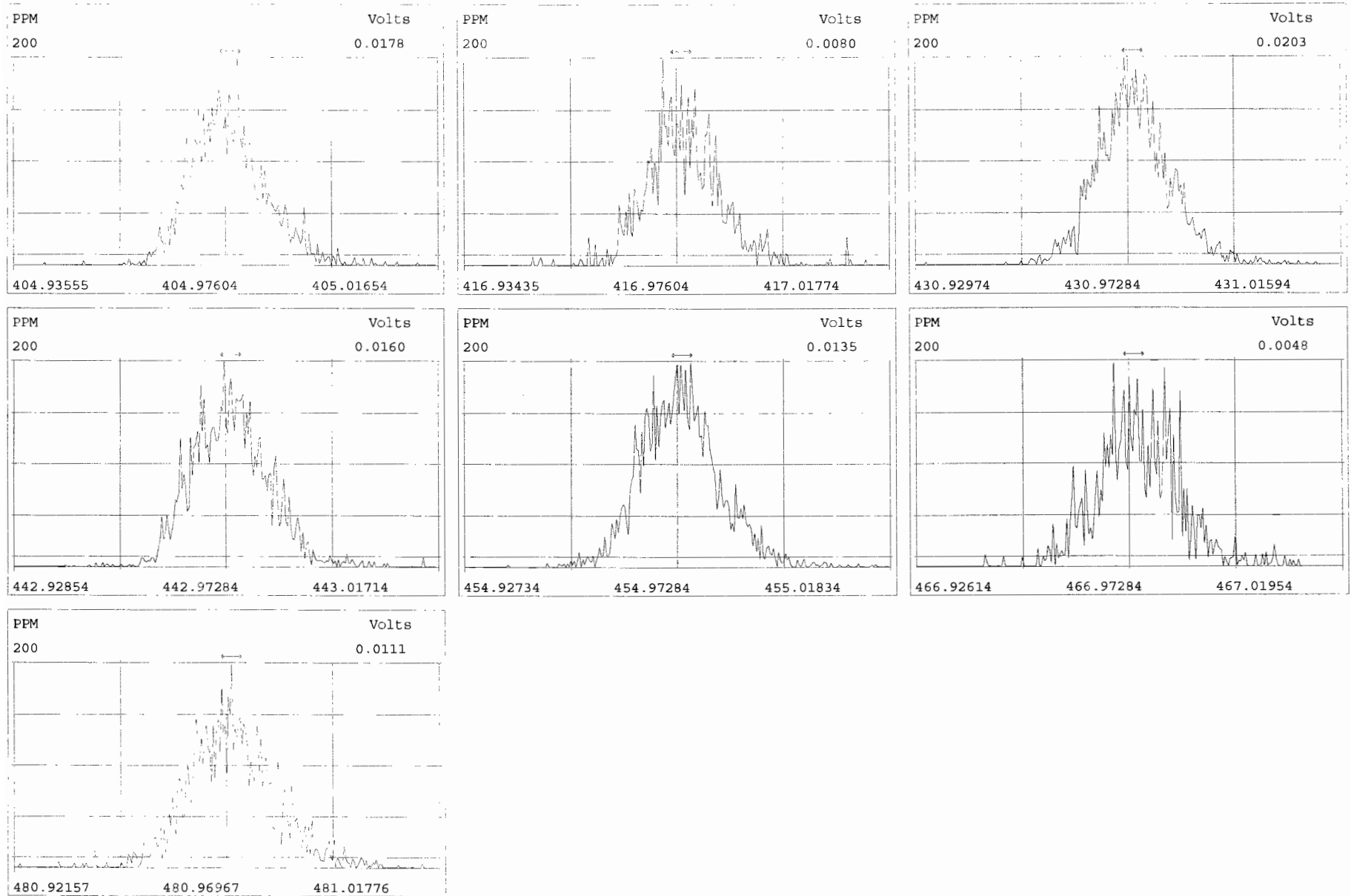






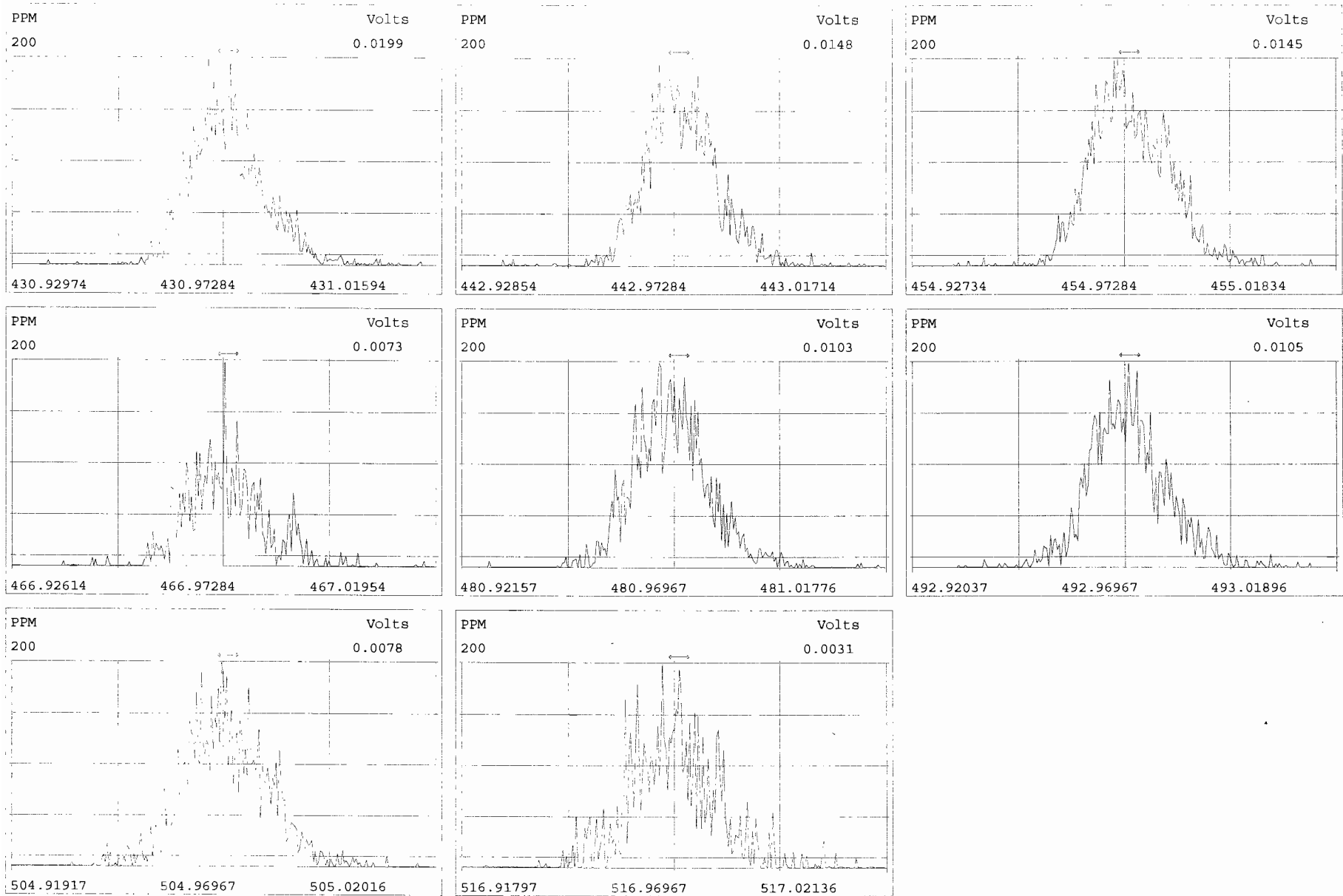
Peak Locate Examination:17-OCT-2019:12:50 File:RES_CHECK

Experiment:OCDD_DB5 Function:4 Reference:PFK



Peak Locate Examination:17-OCT-2019:12:51 File:RES_CHECK

Experiment:OCDD_DB5 Function:5 Reference:PFK



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST19102201-1

Reviewed By: CT 10/23/19
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<input type="checkbox"/>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<input checked="" type="checkbox"/> DB	<input type="checkbox"/>

	<u>Beg.</u>	<u>End</u>
Mass resolution \geq	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614 1699 429 1613/1668/8280		
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
GC Break <20%		<input type="checkbox"/> NA
<u>8280 CS1 End Standard:</u>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

Comments:

FORM 4A/4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory

CCAL ID: ST191022D1-1

Initial Calibration Date: 5-10-19

Instrument ID: VG-7

GC Column ID: DB-225

VER Data Filename: 191022D1 S#2 Analysis Date: 22-OCT-19 Time: 14:22:56

ANALYTES	M/Z'S	ION	QC	CONC.	CONC. RANGE	CONC. RANGE
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)		FOUND	1613 (ng/mL)
2,3,7,8-TCDF	M/M+2	0.82	0.65-0.89	9.5	8.4 - 12.0 (3) 8.6 - 11.6 (4)	8.0 - 12.0
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65-0.89	105.7	71.0 - 140.0 (3) 76.0 - 131.0 (4)	70.0 - 130.0

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6a, Method 1613, under VER.

(4) Contract required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DBDate: 10/22/19

Client ID: 1613 CS3 19C2204

Filename: 191022D1 S:2 Acq:22-OCT 19 14:22:56

ConCal: ST191022D1 1

Page 1 of 1

Lab ID: ST191022D1-1

GC Column ID: DB-225 ICal: 1613TCDFVG7-5-30-19 wt/vol: 1.000

EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.67e+07	0.80 y	15:40	1.00	100.0	-
13C-2,3,7,8-TCDF	1.80e+07	0.79 y	17:53	1.02	105.7	105.7
2,3,7,8-TCDF	1.62e+06	0.82 y	17:54	0.95	9.508	

Integrations

by
Analyst: DB

Date: 10/22/19

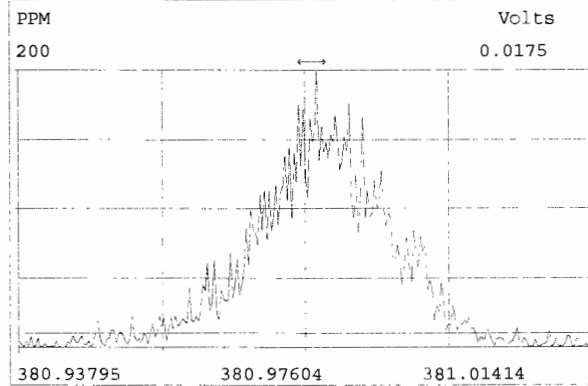
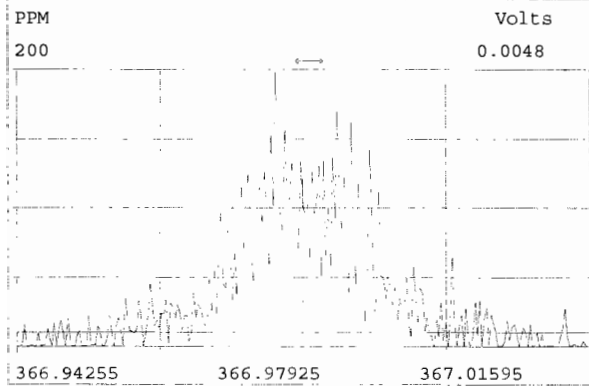
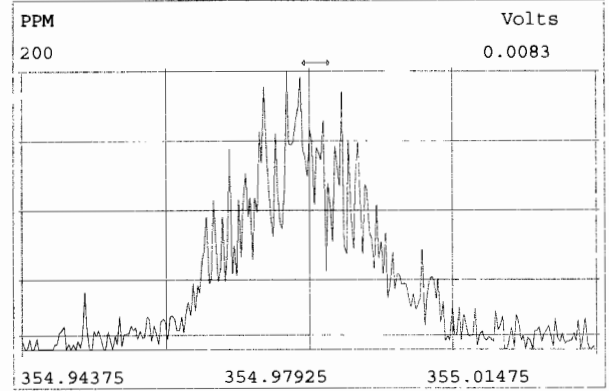
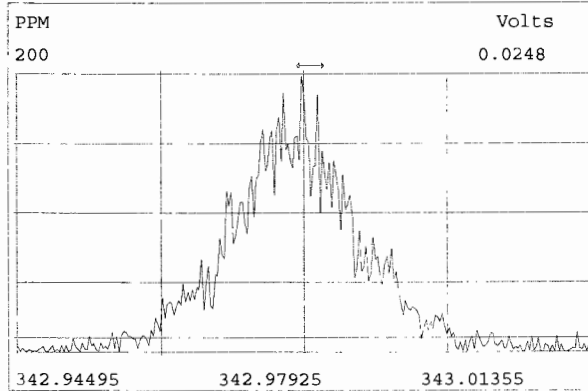
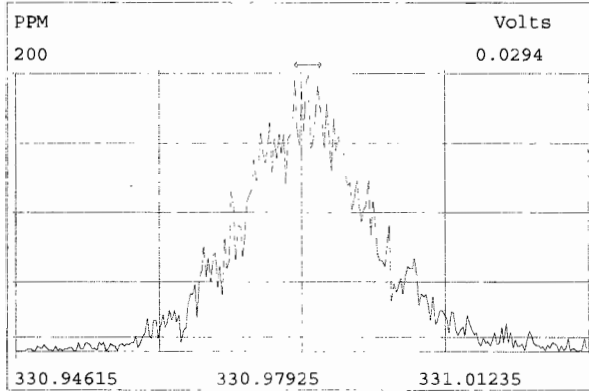
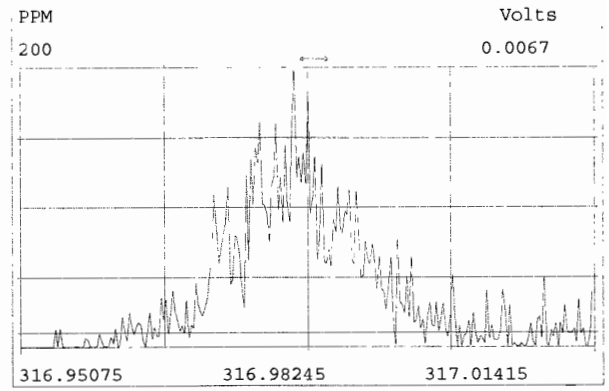
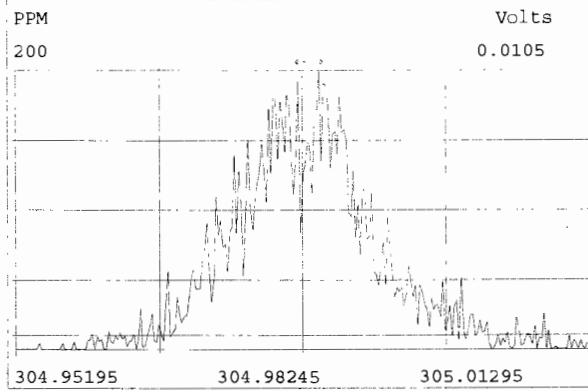
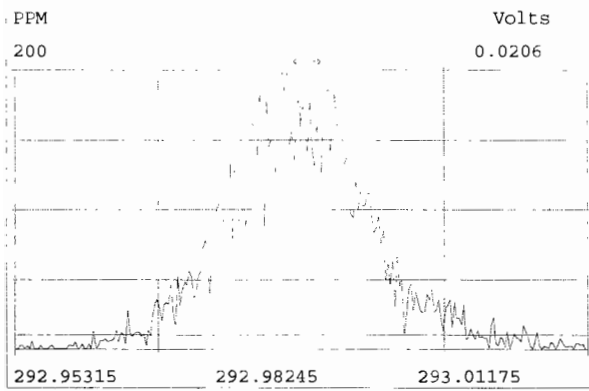
Reviewed

by
Analyst: CT

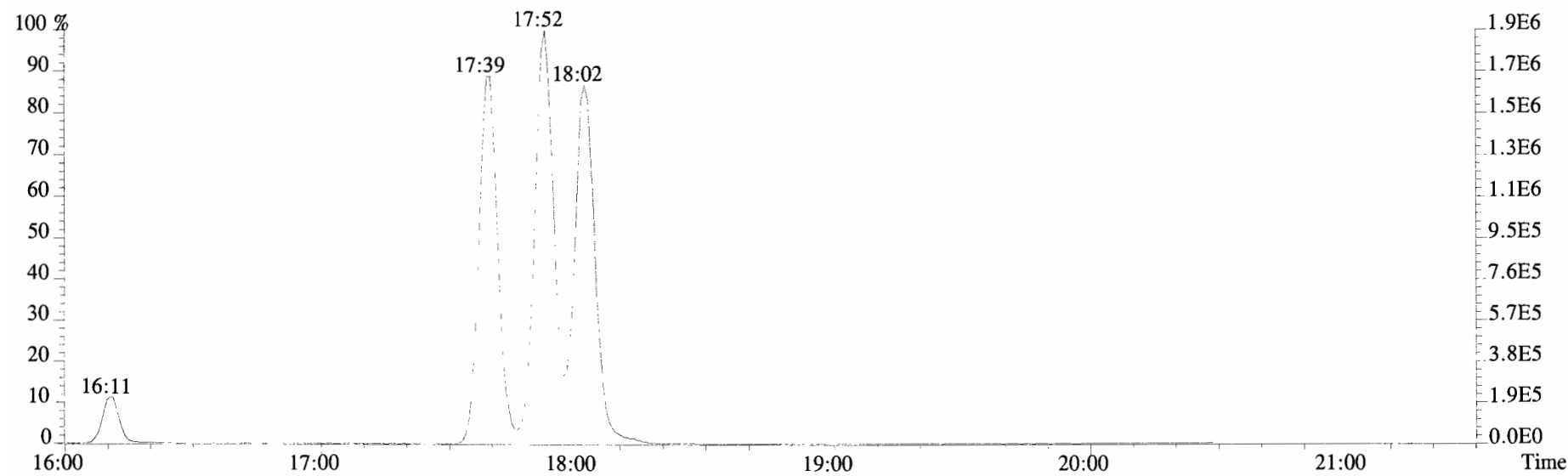
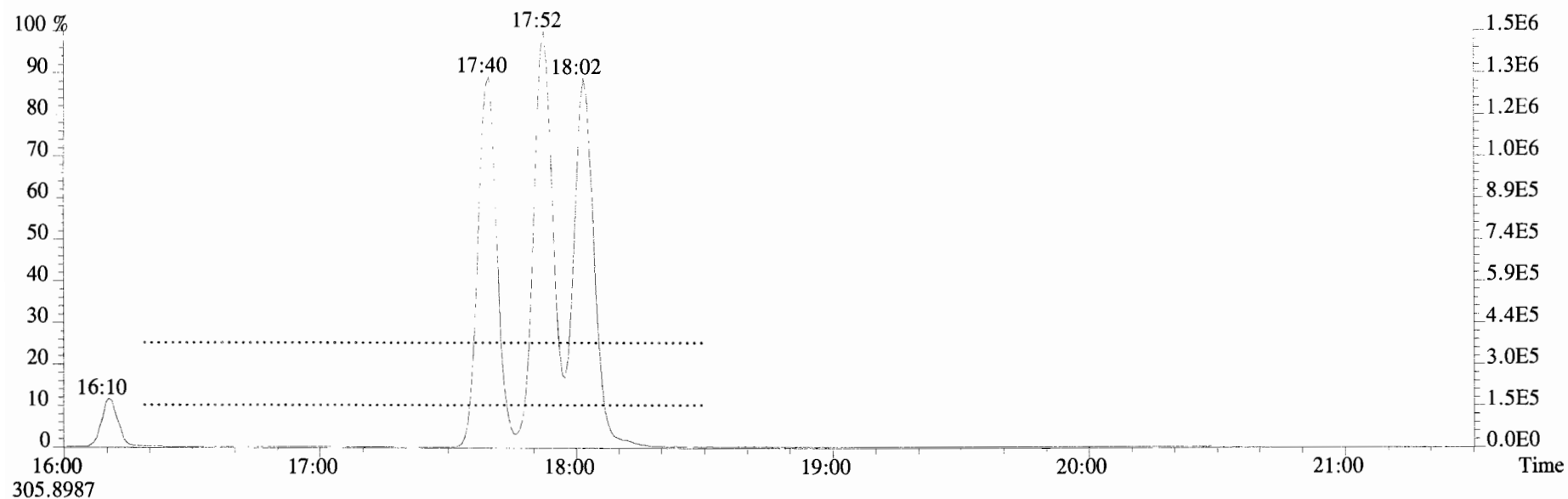
Date: 10/23/19

Vista Analytical Laboratory - Injection Log Run file: 191022D1 Instrument ID: VG-7 GC Column ID: DB-225

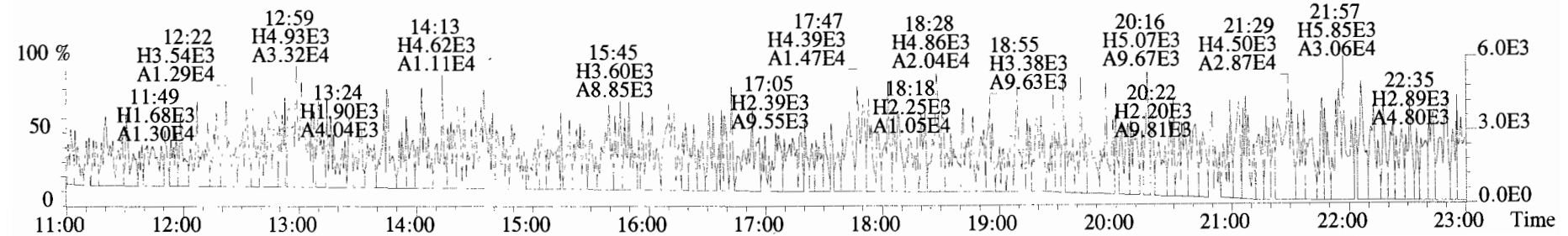
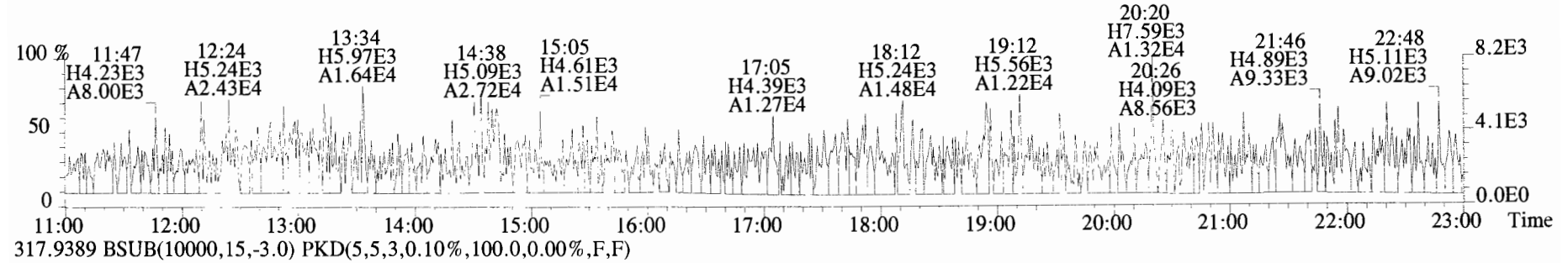
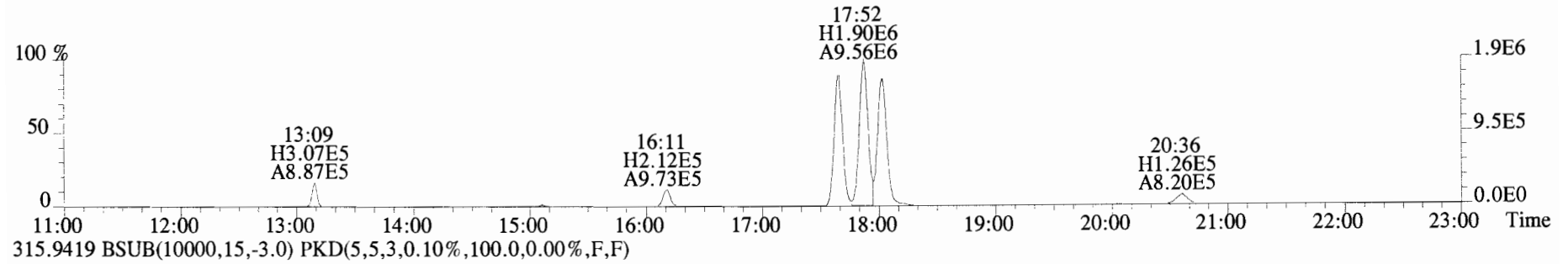
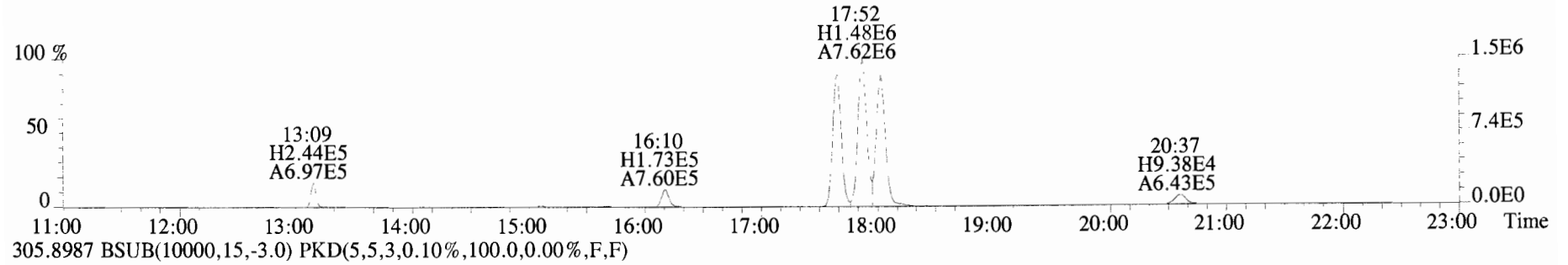
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191022D1	1	CP191022D1-1	DB	22-OCT-19	13:51:11	ST191022D1-1	NA
191022D1	2	ST191022D1-1	DB	22-OCT-19	14:22:56	ST191022D1-1	NA
191022D1	3	SOLVENT BLANK	DB	22-OCT-19	14:54:41	ST191022D1-1	NA
191022D1	4	1903442-01RE1	DB	22-OCT-19	15:26:32	ST191022D1-1	NA
191022D1	5	1903241-01RE1	DB	22-OCT-19	15:58:18	ST191022D1-1	NA
191022D1	6	1903285-10RE1	DB	22-OCT-19	16:30:03	ST191022D1-1	NA
191022D1	7	1903285-03RE1	DB	22-OCT-19	17:01:49	ST191022D1-1	NA
191022D1	8	1903285-04RE1	DB	22-OCT-19	17:33:35	ST191022D1-1	NA
191022D1	9	1903285-05RE1	DB	22-OCT-19	18:05:19	ST191022D1-1	NA
191022D1	10	1903285-06RE2	DB	22-OCT-19	18:37:08	ST191022D1-1	NA
191022D1	11	1903285-07RE1	DB	22-OCT-19	19:08:57	ST191022D1-1	NA
191022D1	12	1903285-08RE1	DB	22-OCT-19	19:40:47	ST191022D1-1	NA
191022D1	13	1903285-09RE1	DB	22-OCT-19	20:12:37	ST191022D1-1	NA
191022D1	14	1903285-02RE1	DB	22-OCT-19	20:44:27	ST191022D1-1	NA
191022D1	15	1903285-01RE1	DB	22-OCT-19	21:16:16	ST191022D1-1	NA
191022D1	16	1903584-01RE1	DB	22-OCT-19	21:48:08	ST191022D1-1	NA
191022D1	17	1903584-03RE1	DB	22-OCT-19	22:20:00	ST191022D1-1	NA
191022D1	18	1903584-06RE1	DB	22-OCT-19	22:51:52	ST191022D1-1	NA
191022D1	19	1903584-08RE1	DB	22-OCT-19	23:23:44	ST191022D1-1	NA
191022D1	20	1903584-04RE1	DB	22-OCT-19	23:55:36	ST191022D1-1	NA
191022D1	21	1903584-02RE1	DB	23-OCT-19	00:27:28	ST191022D1-1	NA
191022D1	22	1903584-05RE1	DB	23-OCT-19	00:59:20	ST191022D1-1	NA
191022D1	23	1903584-07RE1	DB	23-OCT-19	01:31:12	ST191022D1-1	NA



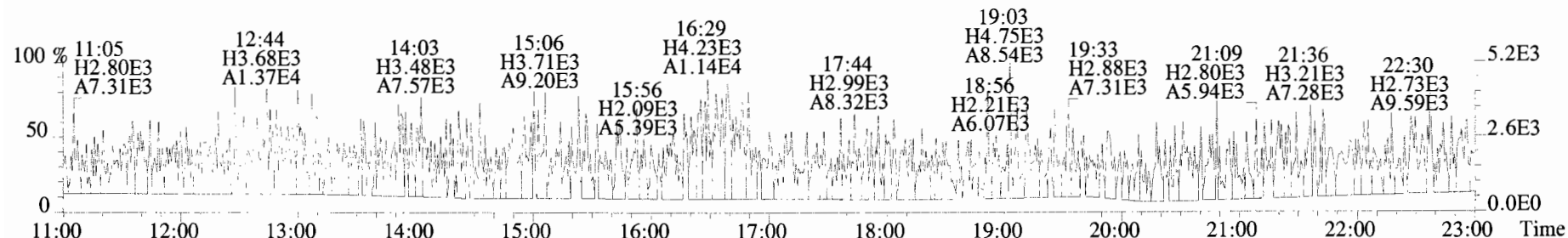
File:191022D1 #1-965 Acq:22-OCT-2019 13:51:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:CP191022D1-1 DB225 CPSM Exp:TCDF_DB225
303.9016



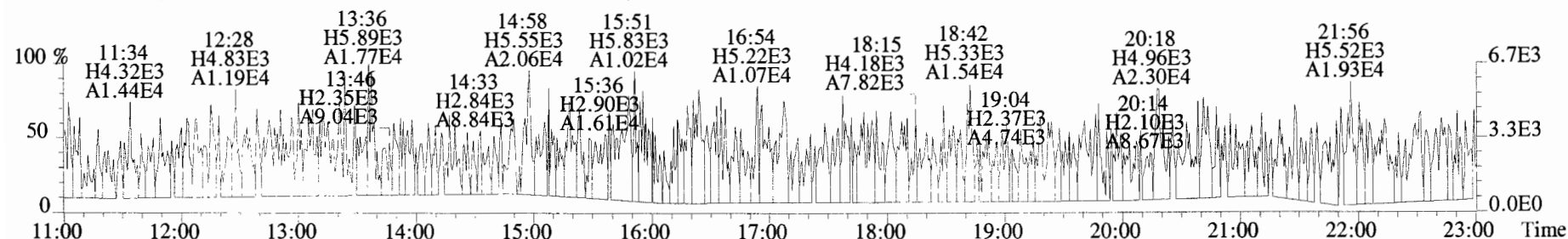
File:191022D1 #1-1683 Acq:22-OCT-2019 13:51:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:CP191022D1-1 DB225 CPSM Exp:TCDF_DB225
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



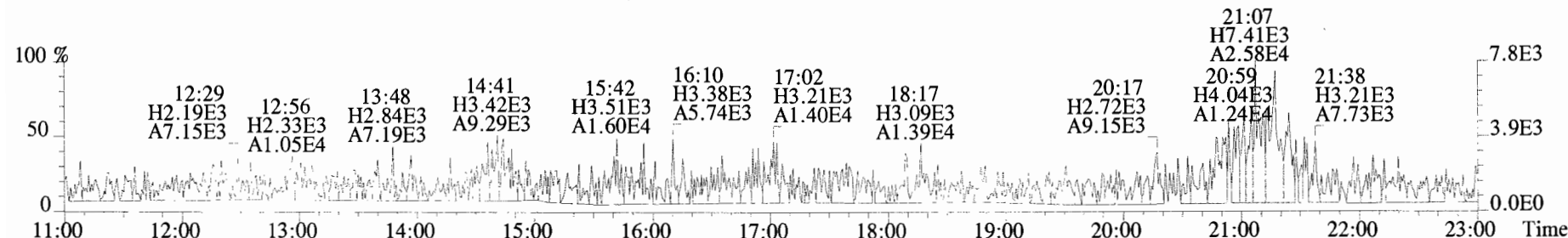
File:191022D1 #1-1683 Acq:22-OCT-2019 13:51:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:CP191022D1-1 DB225 CPSM Exp:TCDF_DB225
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



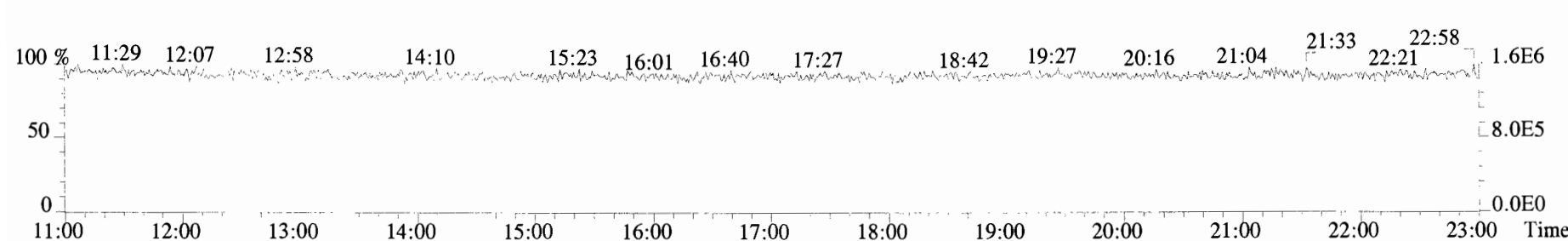
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



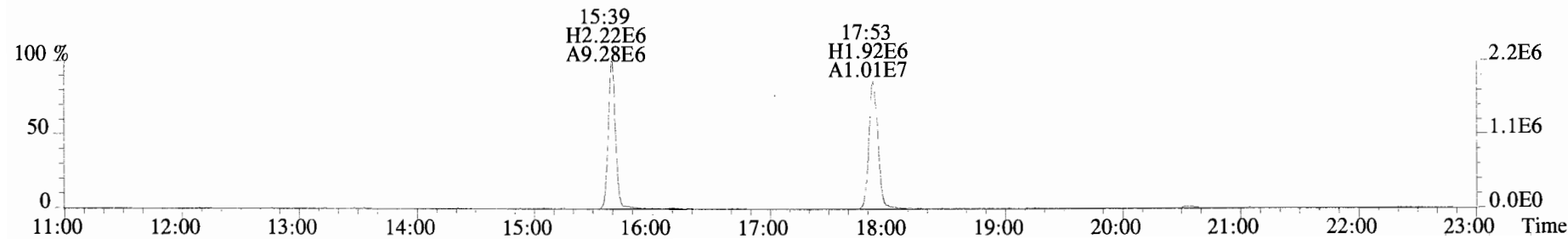
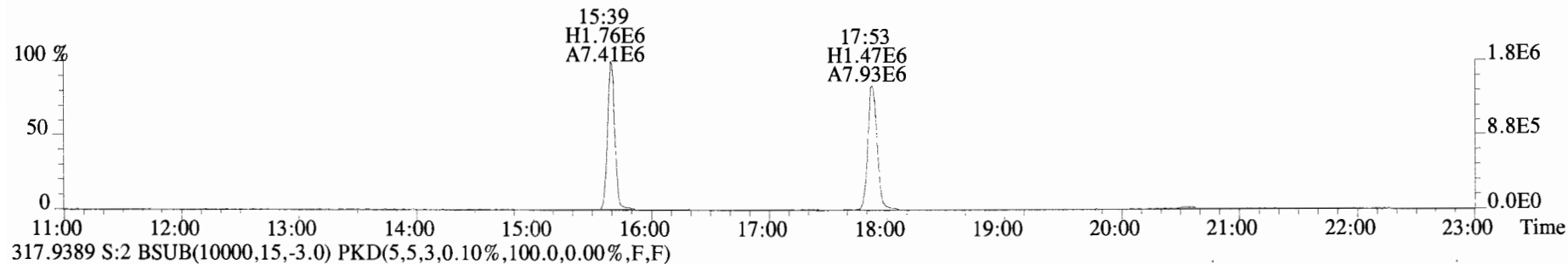
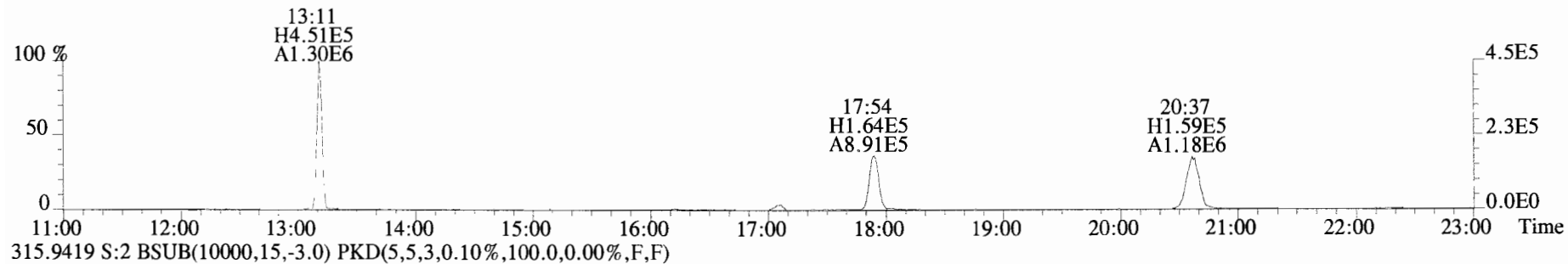
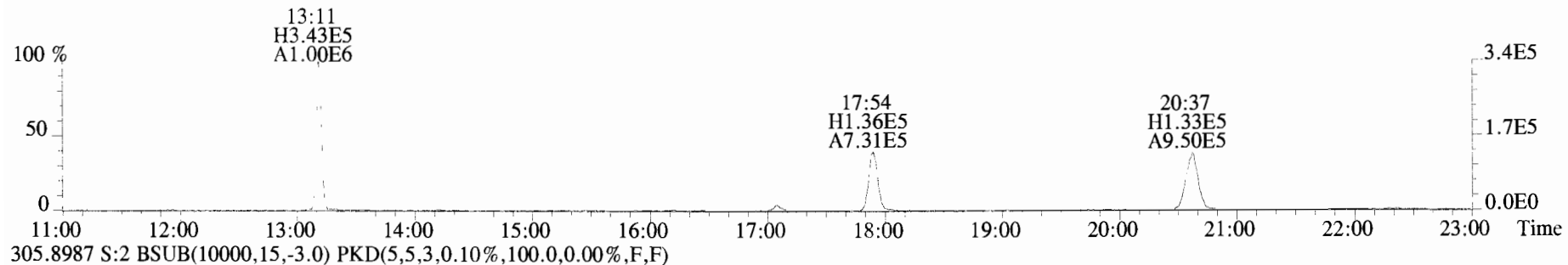
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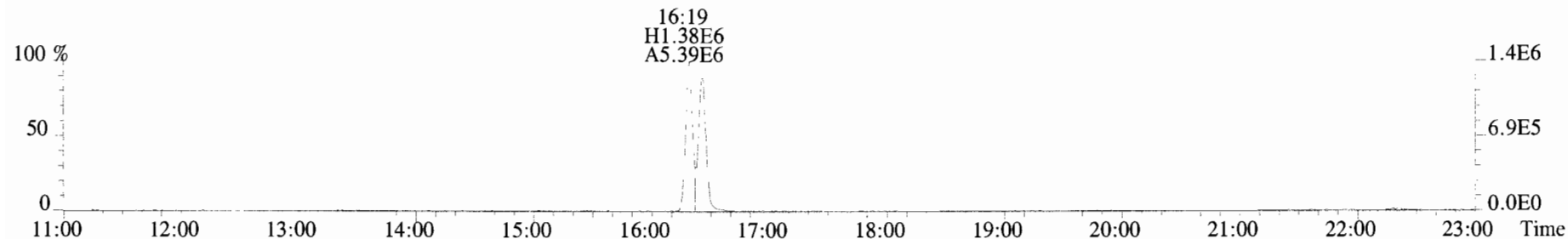
330.9792



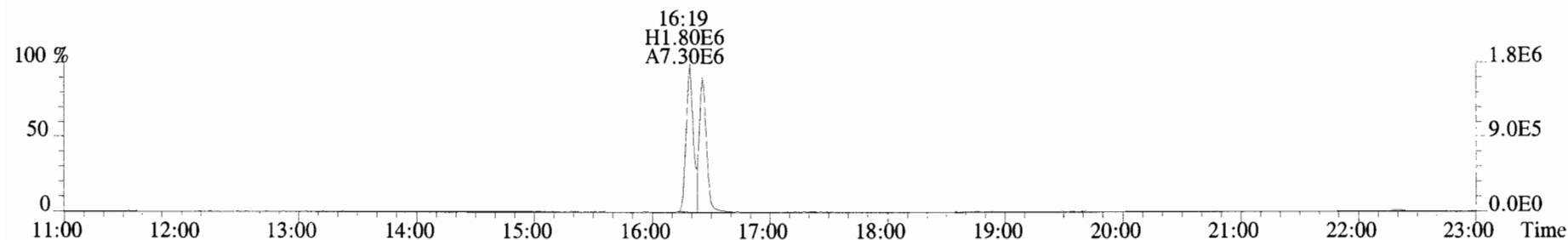
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Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191022D1-1 1613 CS3 19C2204 Exp:TCDF_DB225
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



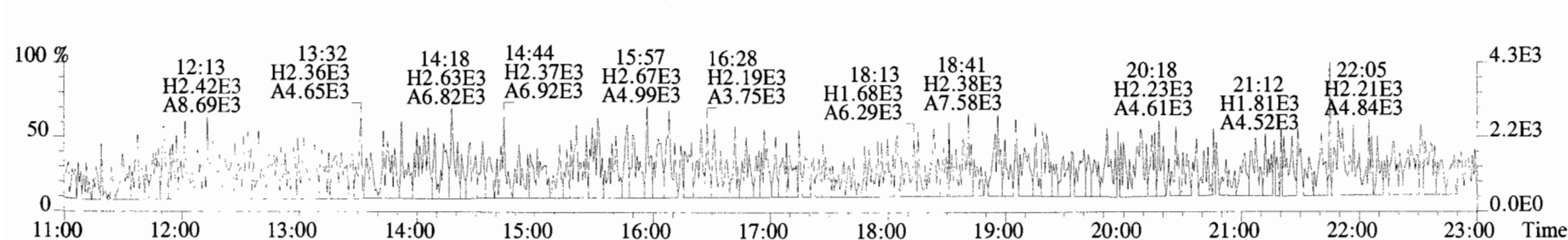
File:191022D1 #1-1682 Acq:22-OCT-2019 14:22:56 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191022D1-1 1613 CS3 19C2204 Exp:TCDF_DB225
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



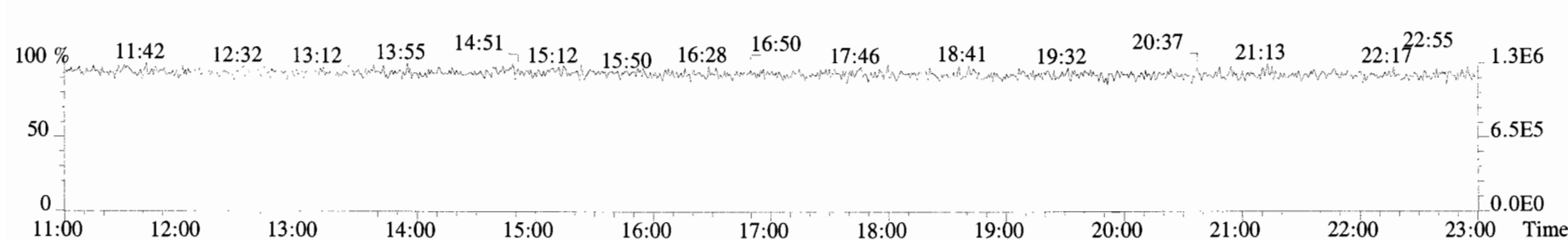
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

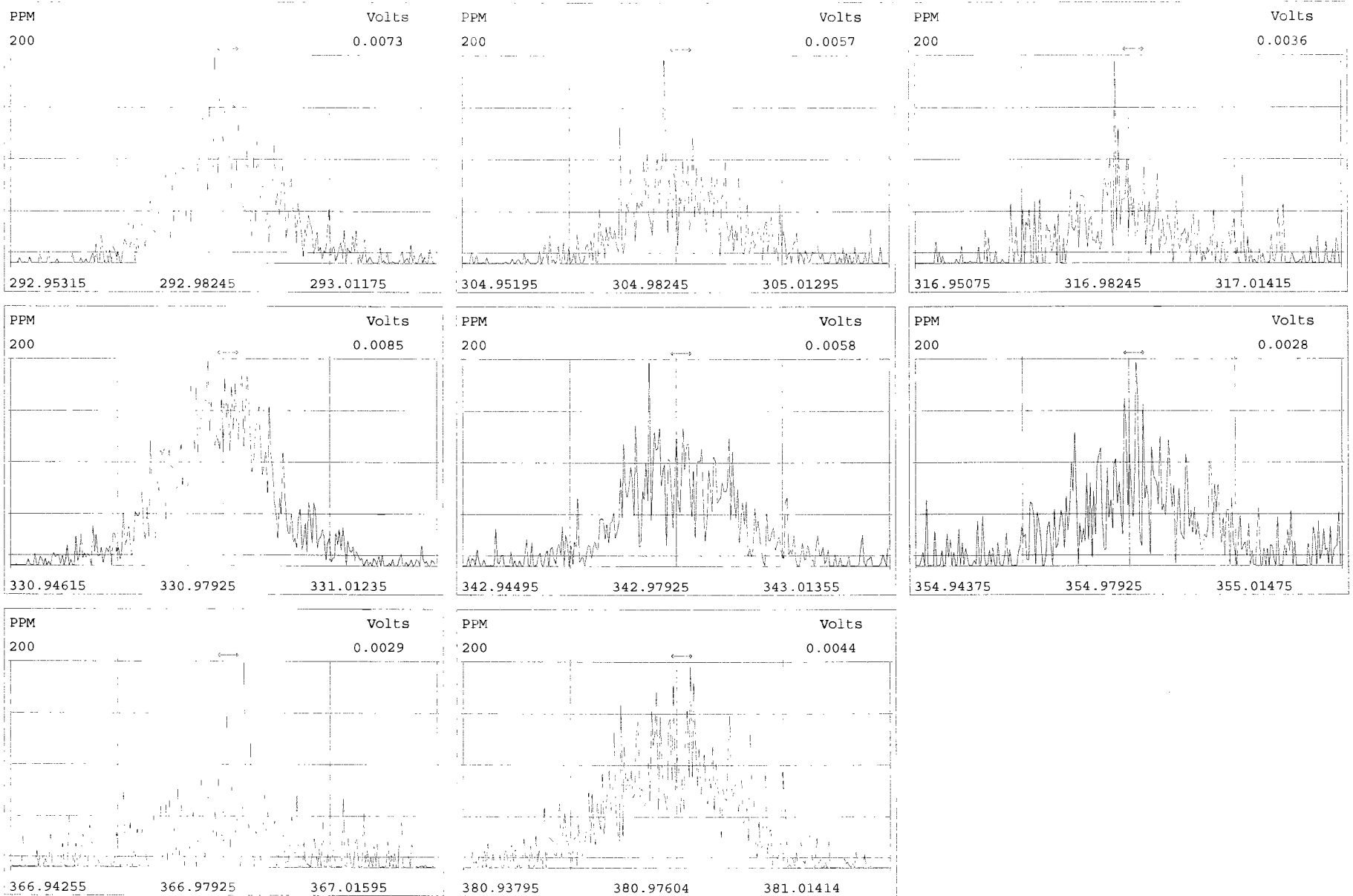


375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



330.9792 S:2





HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191030D1-1

Reviewed By: CT 11/01/19
Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<u>DB</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>DB</u>	<u>DB</u>

Mass resolution \geq
 5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly? NA

GC Break <20% NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours NA

Comments:

FORM 4A/4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory

CCAL ID: ST191030D1-1

Initial Calibration Date: 5-30-19

Instrument ID: VG-7

GC Column ID: DB-225

VER Data Filename: 191030D1 S#2 Analysis Date: 30-OCT-19 Time: 14:30:32

ANALYTES	M/Z'S	ION	QC	CONC.	CONC. RANGE	CONC. RANGE
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)		1613 (ng/mL)	8290 (ng/mL)
2,3,7,8-TCDF	M/M+2	0.73	0.65-0.89	9.7	8.4 - 12.0 (3) 8.6 - 11.6 (4)	8.0 - 12.0
13C-2,3,7,8-TCDF	M/M+2	0.79	0.65-0.89	103.6	71.0 - 140.0 (3) 76.0 - 131.0 (4)	70.0 - 130.0

- (1) See Table 8, Method 1613, for m/z specifications.
- (2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.
- (3) Contract-required concentration range as specified in Table 6a, Method 1613, under VER.
- (4) Contract required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DBDate: 10/30/19

Client ID: 1613 CS3 19C2204
Lab ID: ST191030D1-1

Filename: 191030D1 S:2 Acq:30-OCT-19 14:30:32
GC Column ID: DB-225 ICal: 1613TCDFVG7-5-30-19 wt/vol: 1.000

ConCal: ST191030D1-1
EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.37e+07	0.80 y	15:34	1.00	100.0	-
13C-2,3,7,8-TCDF	1.45e+07	0.79 y	17:46	1.02	103.6	103.6
2,3,7,8-TCDF	1.34e+06	0.73 y	17:47	0.95	9.749	

Integrations

by
Analyst: DB

Date: 10/30/19

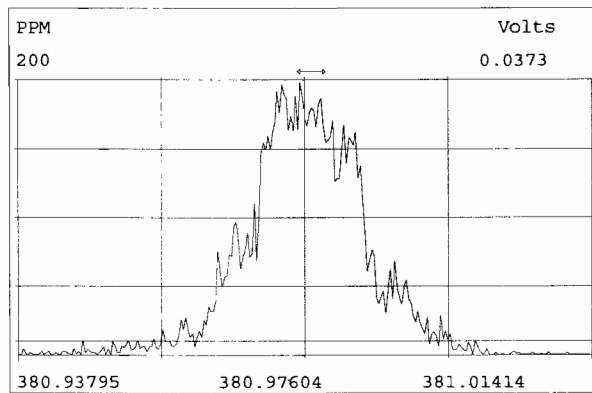
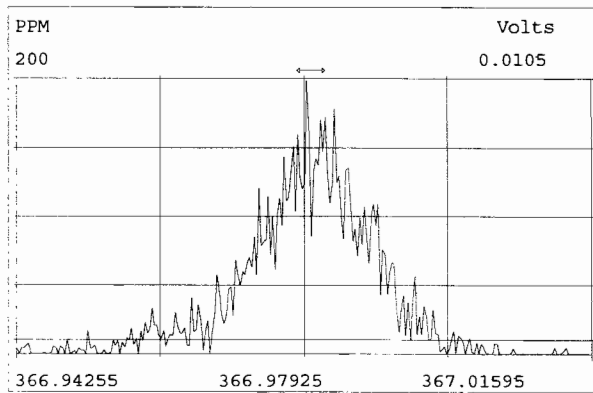
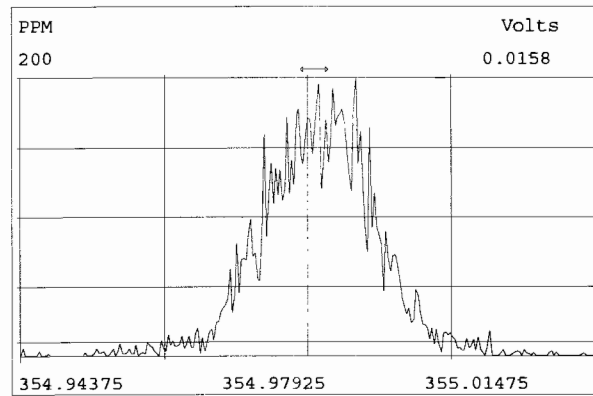
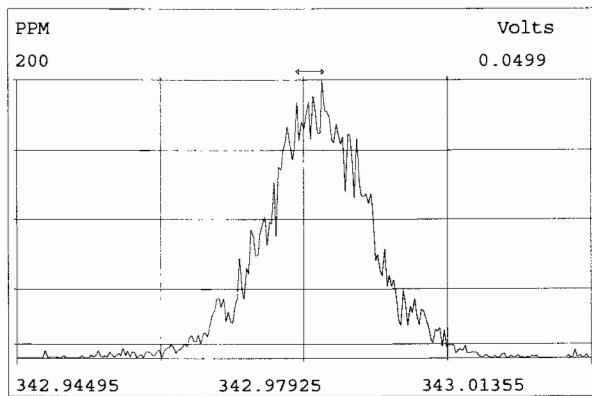
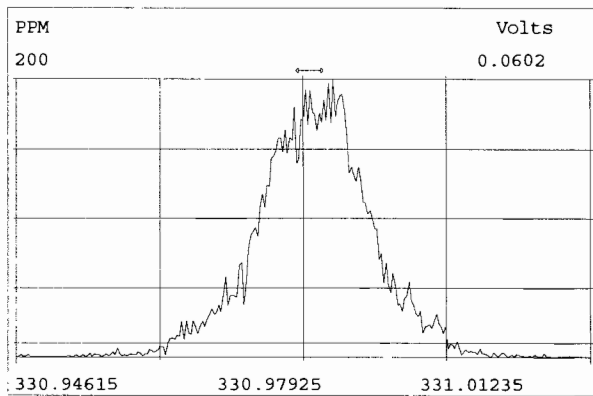
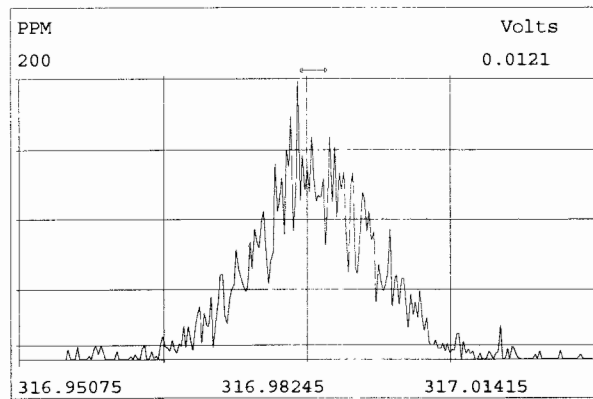
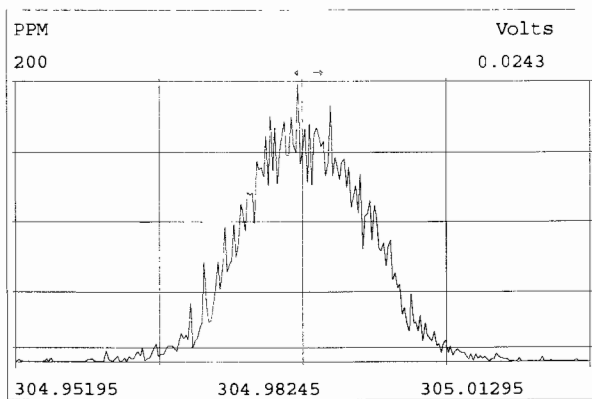
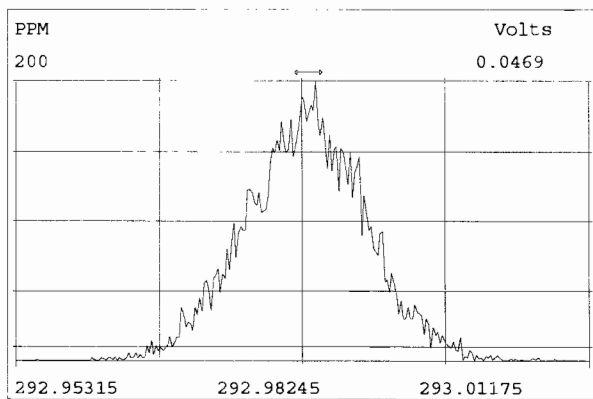
Reviewed

by
Analyst: CT

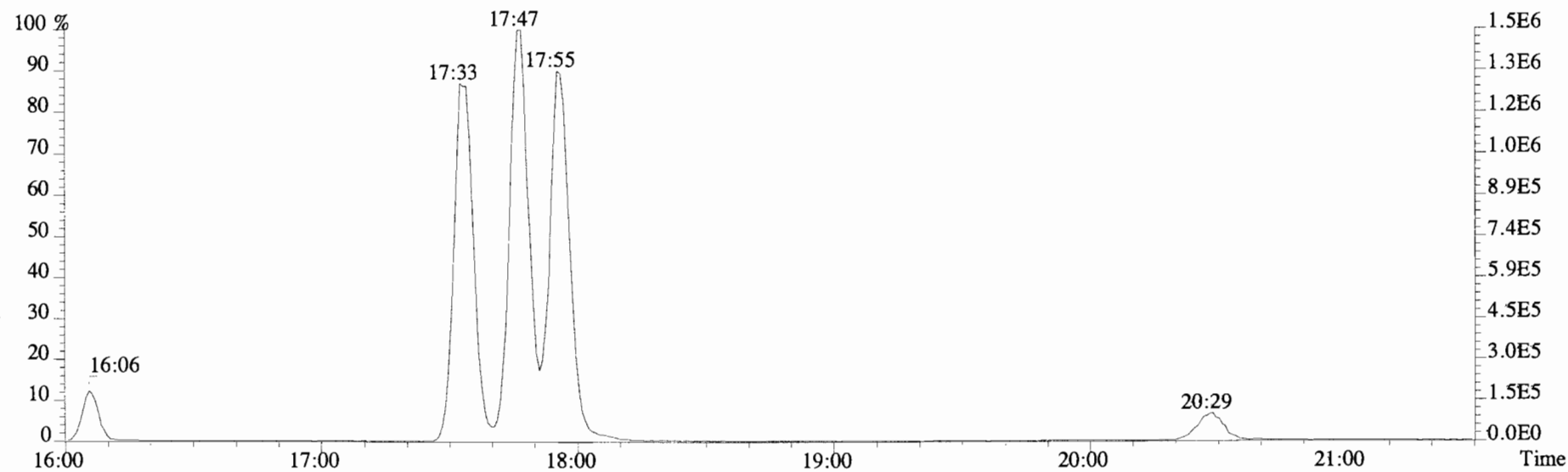
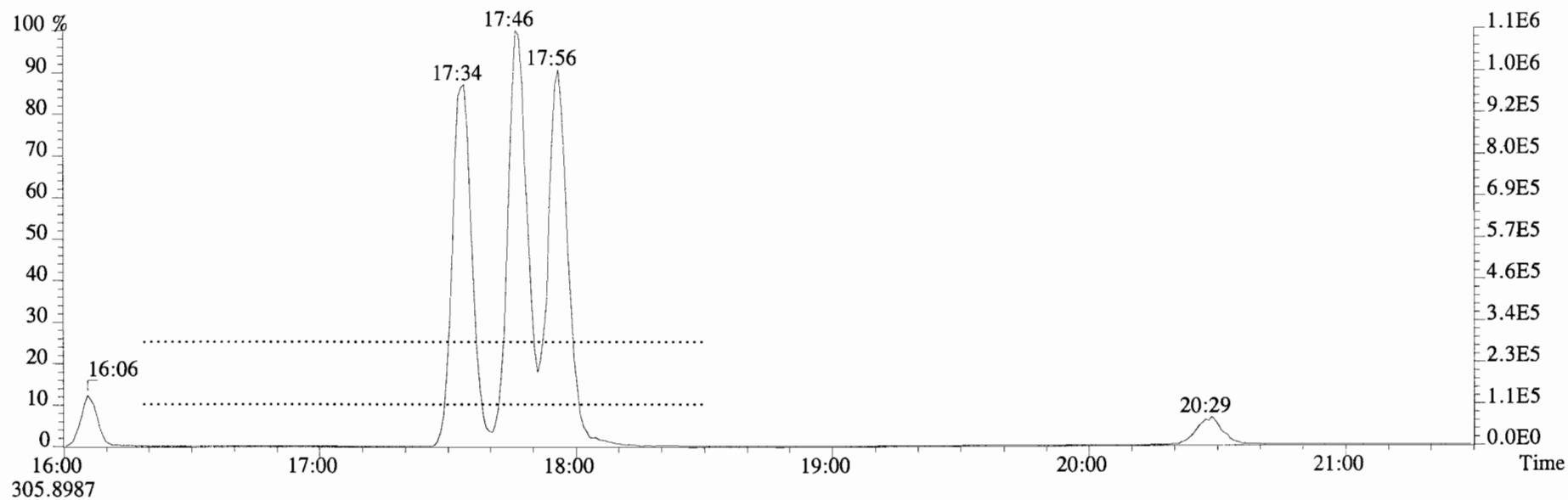
Date: 11/01/19

Vista Analytical Laboratory - Injection Log Run file: 191030D1 Instrument ID: VG-7 GC Column ID: DB-225

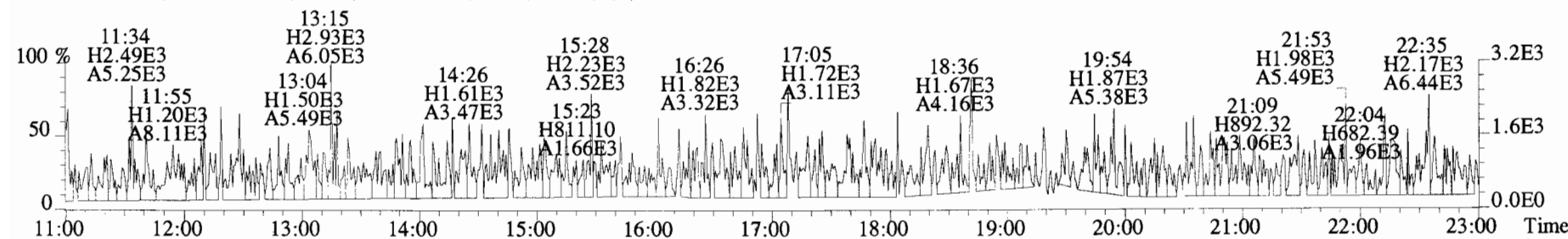
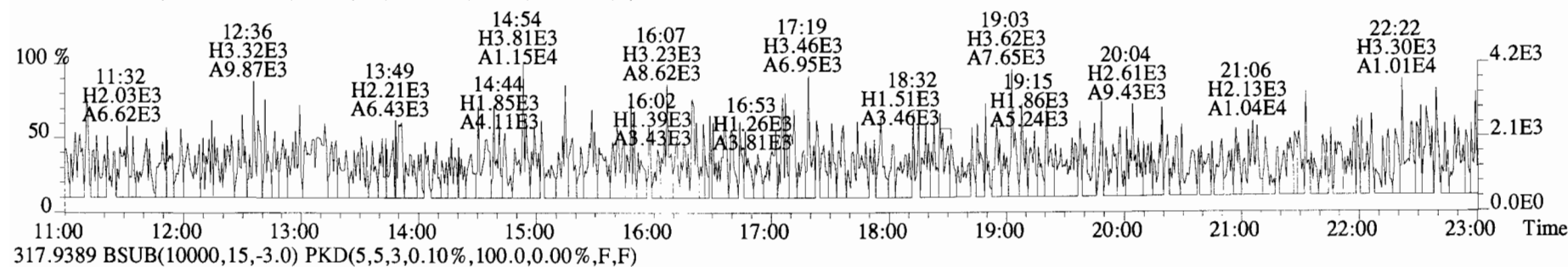
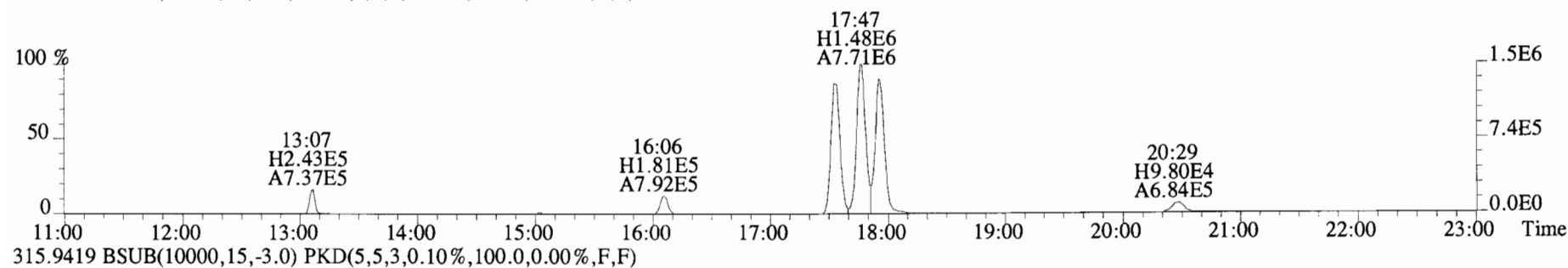
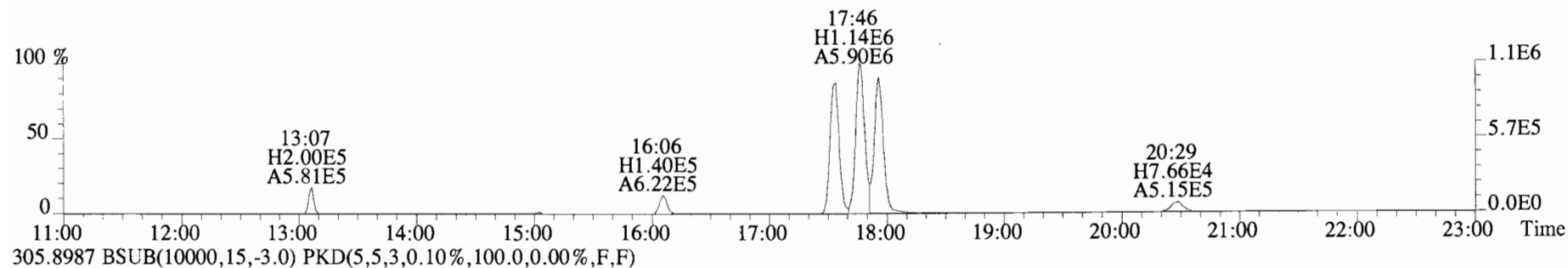
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
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191030D1	2	ST191030D1-1	DB	30-OCT-19	14:30:32	ST191030D1-1	NA
191030D1	3	SOLVENT BLANK	DB	30-OCT-19	15:02:23	ST191030D1-1	NA
191030D1	4	1903430-13RE1	DB	30-OCT-19	15:34:14	ST191030D1-1	NA
191030D1	5	1903420-10RE1	DB	30-OCT-19	16:06:00	ST191030D1-1	NA
191030D1	6	1903285-06RE3	DB	30-OCT-19	16:37:44	ST191030D1-1	NA
191030D1	7	B9J0052-DUP1RE1	DB	30-OCT-19	17:09:35	ST191030D1-1	NA
191030D1	8	1903420-09RE1	DB	30-OCT-19	17:41:21	ST191030D1-1	NA
191030D1	9	1903546-14RE1	DB	30-OCT-19	18:13:11	ST191030D1-1	NA
191030D1	10	1903430-05RE1	DB	30-OCT-19	18:45:00	ST191030D1-1	NA
191030D1	11	1903430-06RE1	DB	30-OCT-19	19:16:49	ST191030D1-1	NA
191030D1	12	1903546-12RE1	DB	30-OCT-19	19:48:39	ST191030D1-1	NA
191030D1	13	1903546-13RE1	DB	30-OCT-19	20:20:29	ST191030D1-1	NA



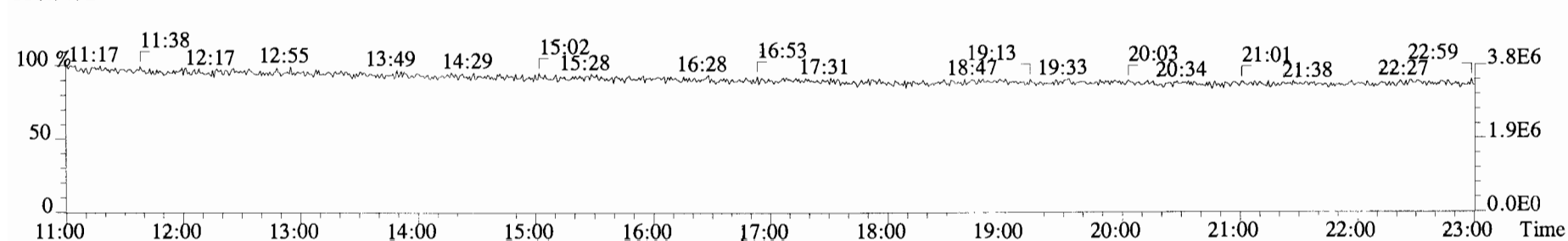
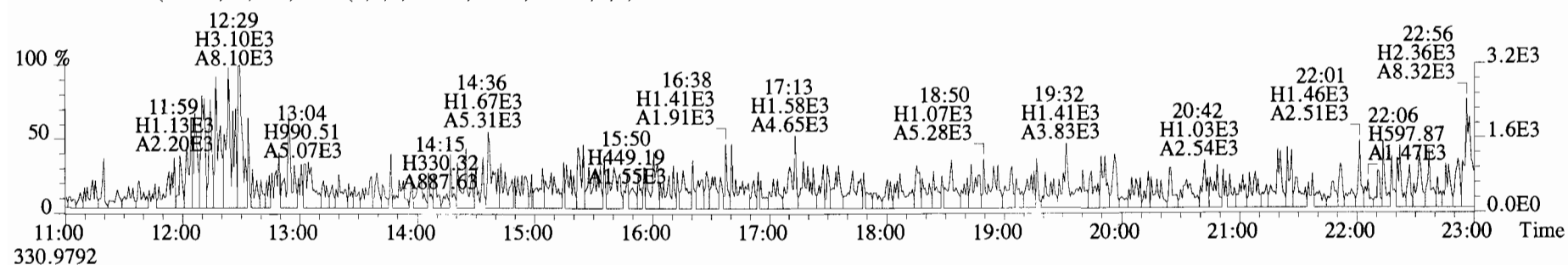
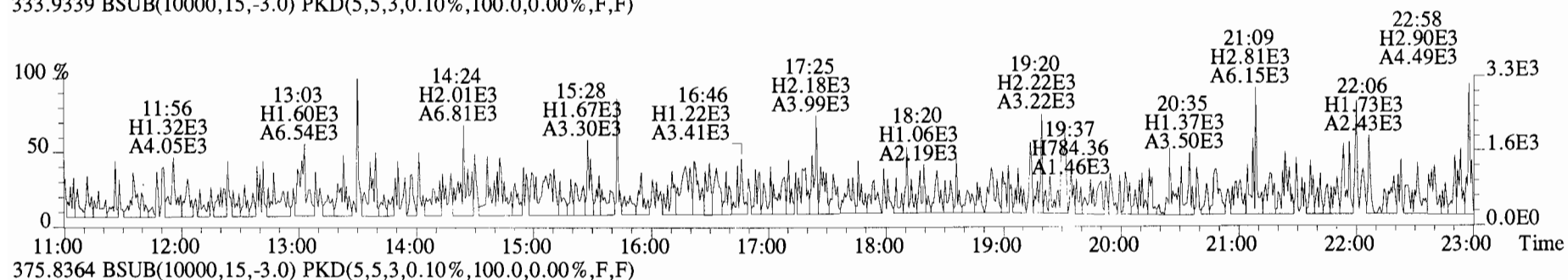
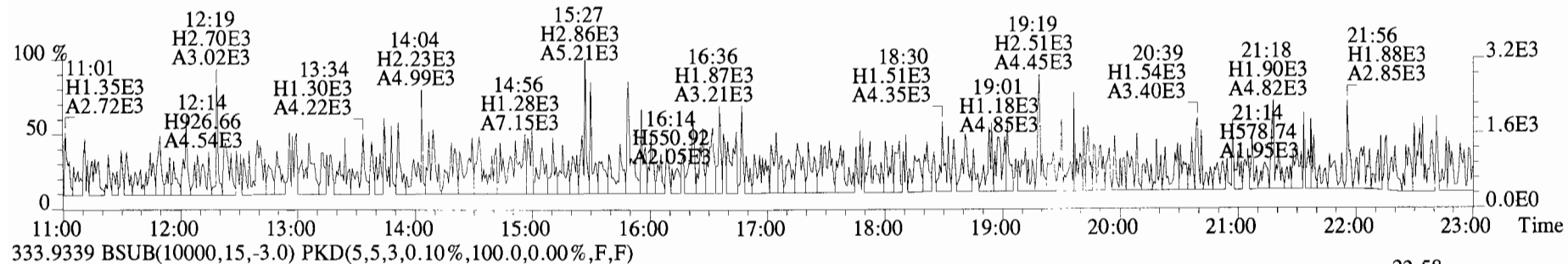
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Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:CP191030D1-1 DB225 CPSM Exp:TCDF_DB225
303.9016



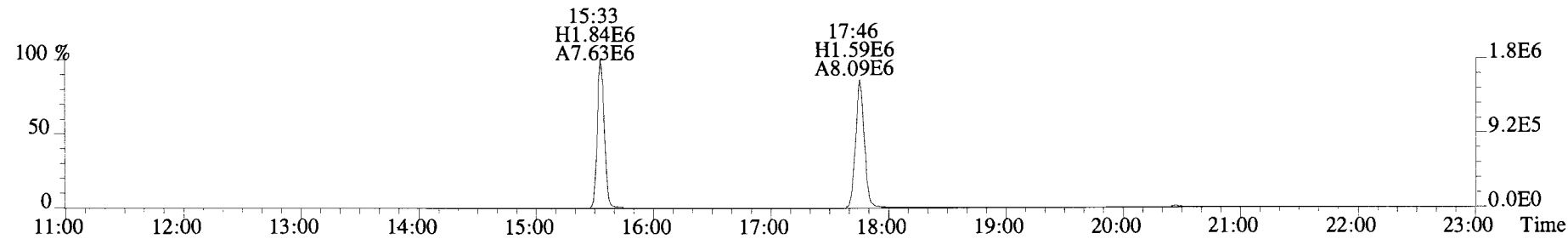
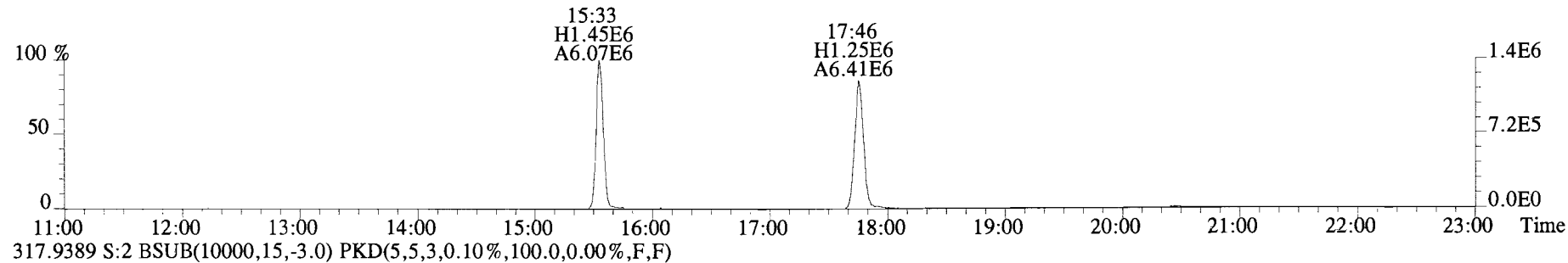
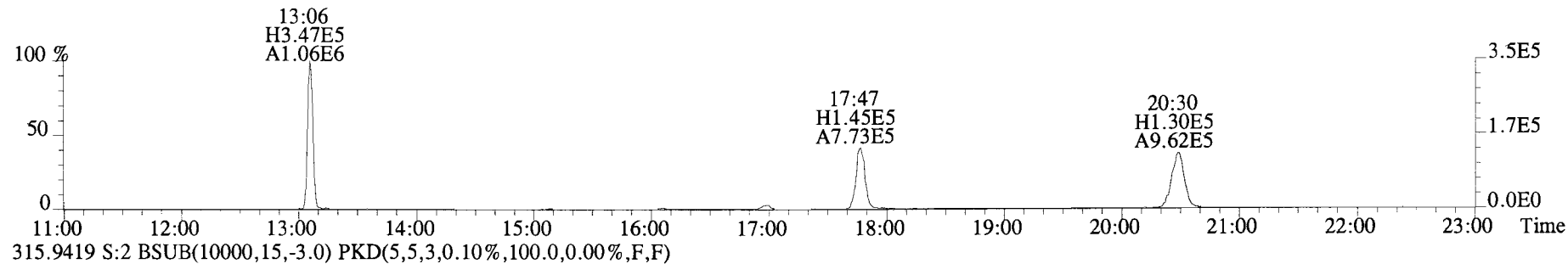
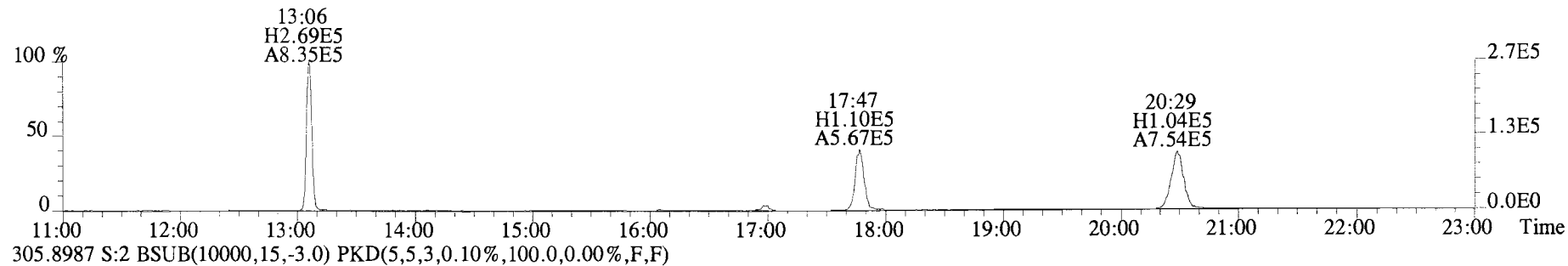
File:191030D1 #1-1682 Acq:30-OCT-2019 13:58:48 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory VG7 Text:CP191030D1-1 DB225 CPSM Exp:TCDF_DB225
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



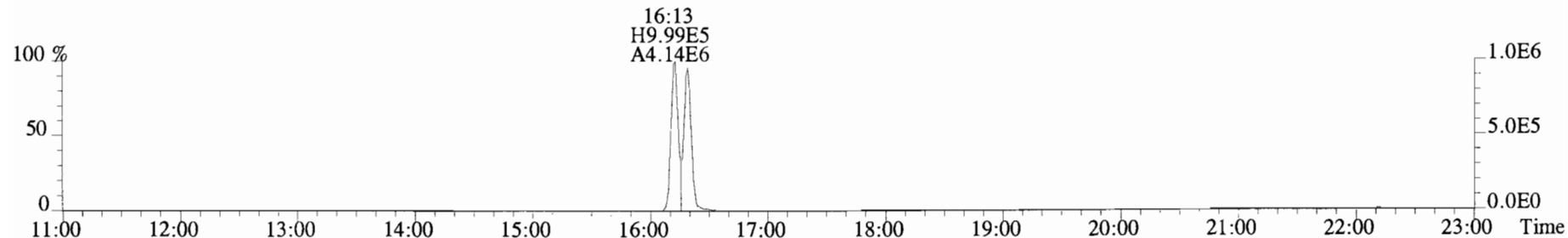
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 Sample#1 File Text:Viata Analytical Laboratory VG7 Text:CP191030D1-1 DB225 CPSM Exp:TCDF_DB225
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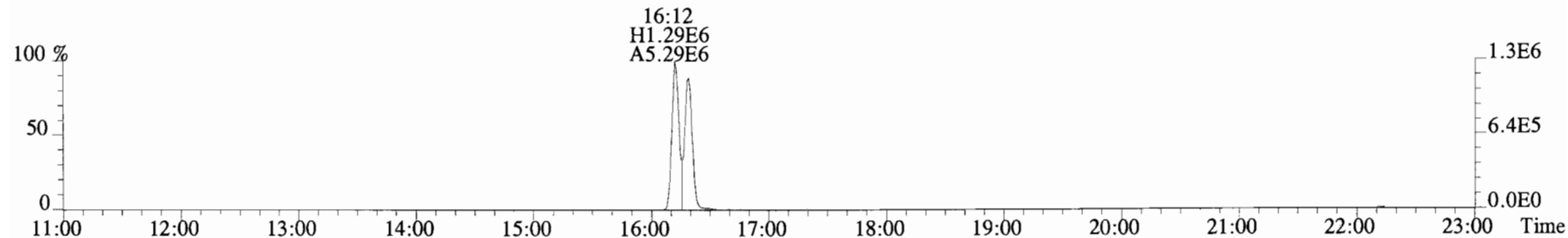
File:191030D1 #1-1682 Acq:30-OCT-2019 14:30:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Viata Analytical Laboratory_VG7 Text:ST191030D1-1 1613 CS3 19C2204 Exp:TCDF_DB225
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



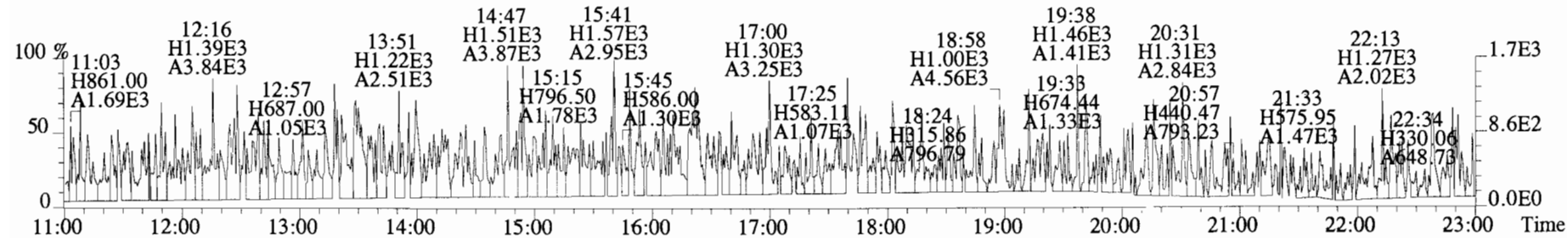
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 Sample#2 File Text:Viata Analytical Laboratory VG7 Text:ST191030D1-1 1613 CS3 19C2204 Exp:TCDF_DB225
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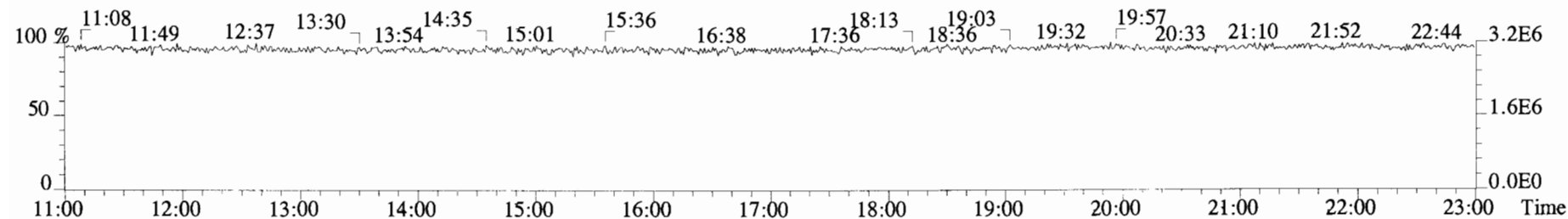
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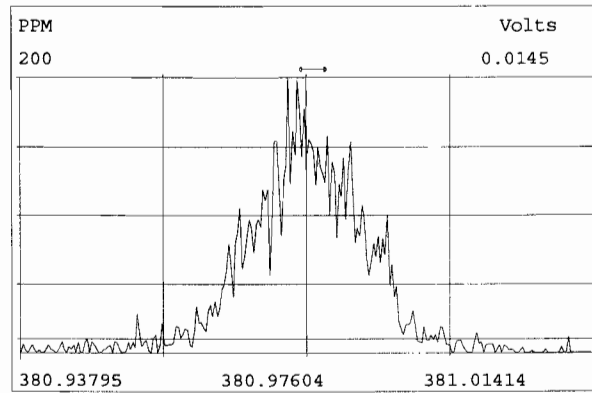
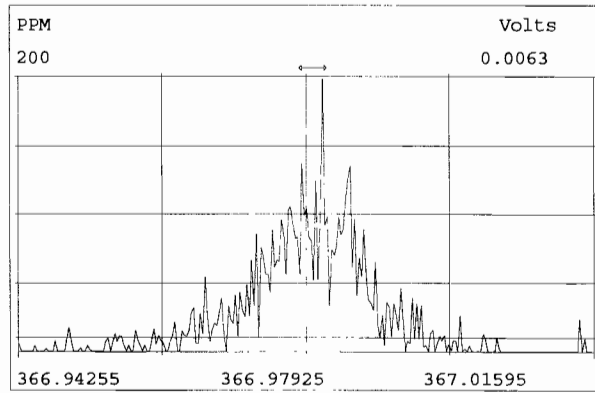
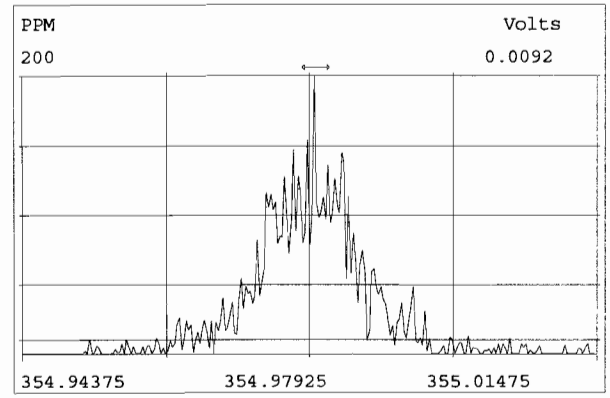
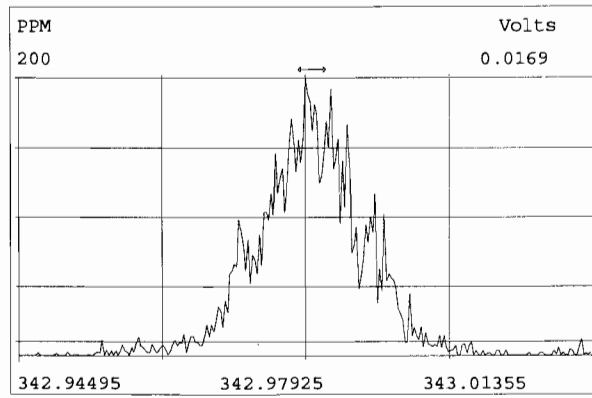
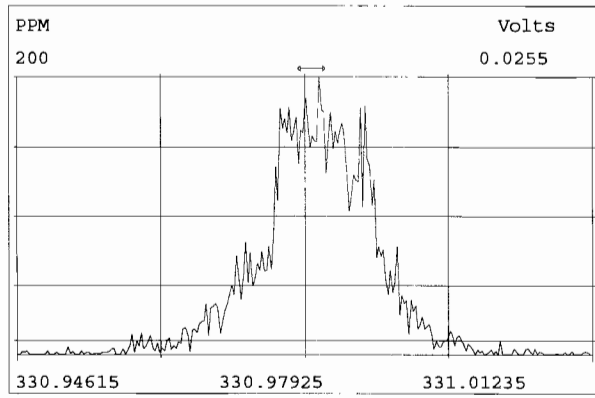
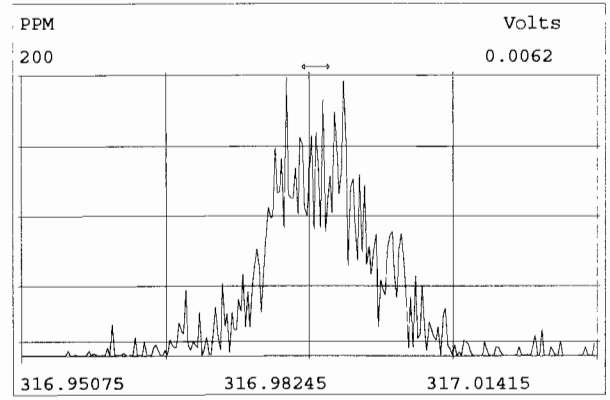
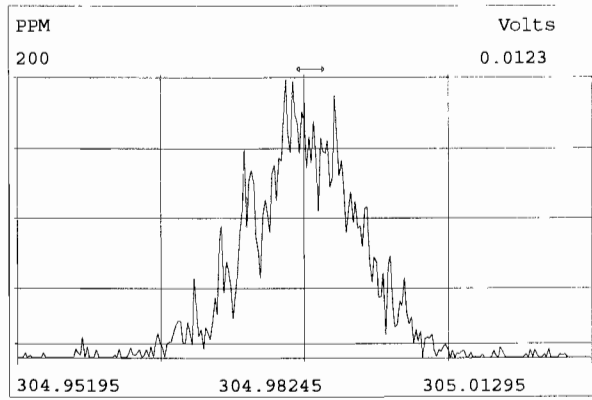
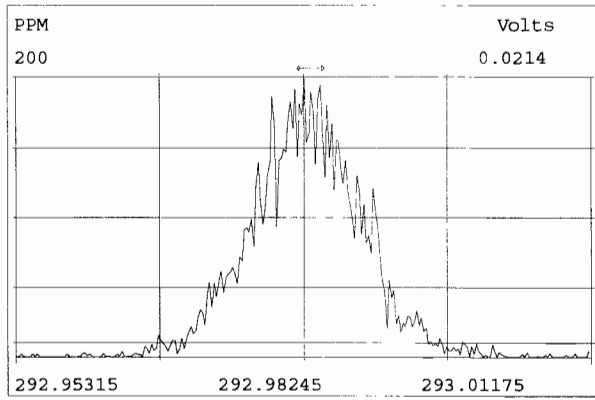


375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



330.9792 S:2





HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191010K1-1

Reviewed By: EL 10-11-19

Initials & Date

End Calibration ID: ST191010K2-1

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input type="checkbox" value="NA"/>	<input type="checkbox" value="NA"/>
First and last eluters present?	<input type="checkbox" value="NA"/>	<input type="checkbox" value="NA"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(ST-Year-Month-Day-VG ID)		
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>Hc</u>	<u>Hc</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	Y	N
- Bottle position verified?		<u>Hc</u>

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

NA

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

	<u>(A)</u> Beg.	<u>(B)</u> End
Mass resolution \geq	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GC Break <20%		
8280 CS1 End Standard:		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox" value="NA"/>

Comments:

(A) End Res check (B) Beginning & End Res check
 ✓
 Had PFK drain; resulted in some peaks not centroiding. Some column bleeds as well

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

Last Altered: Friday, October 11, 2019 15:52:35 Pacific Daylight Time

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HC 10-11-19

EL 10-11-19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	8.23e5	3.14	NO	1.02	1.000	15.51	15.51	1.001	1.001	NO	58.82	118	0.0113	58.82
2	2 PCB-2	8.20e5	3.16	NO	1.01	1.000	17.91	17.92	0.988	0.988	NO	60.44	121	0.0124	60.44
3	3 PCB-3	8.08e5	3.12	NO	1.01	1.000	18.14	18.16	1.001	1.001	NO	59.64	119	0.0125	59.64
4	4 PCB-4/10	1.29e6	1.53	NO	1.28	1.000	19.57	19.57	1.004	1.004	NO	102.8	103	0.0557	102.8
5	5 PCB-7/9	1.56e6	1.55	NO	0.976	1.000	21.37	21.35	1.003	1.002	NO	103.5	104	0.0476	103.5
6	6 PCB-6	8.21e5	1.57	NO	1.02	1.000	22.02	22.02	1.033	1.033	NO	52.32	105	0.0456	52.32
7	7 PCB-5/8	1.65e6	1.56	NO	1.01	1.000	22.43	22.44	1.052	1.053	NO	105.4	105	0.0459	105.4
8	8 PCB-14	8.30e5	1.55	NO	1.03	1.000	23.58	23.57	0.952	0.952	NO	52.08	104	0.0470	52.08
9	9 PCB-11	8.99e5	1.57	NO	1.10	1.000	24.79	24.79	1.001	1.001	NO	53.10	106	0.0442	53.10
10	10 PCB-12/13	1.65e6	1.59	NO	1.04	1.000	25.22	25.16	1.018	1.016	NO	102.8	103	0.0468	102.8
11	11 PCB-15	8.24e5	1.57	NO	1.03	1.000	25.52	25.51	1.030	1.030	NO	51.87	104	0.0472	51.87
12	12 PCB-19	4.19e5	0.96	NO	0.934	1.000	23.76	23.75	1.001	1.001	NO	55.57	111	0.0225	55.57
13	13 PCB-30	6.69e5	0.97	NO	1.48	1.000	24.65	24.66	1.039	1.040	NO	55.91	112	0.0142	55.91
14	14 PCB-18	4.32e5	0.98	NO	0.693	1.000	25.44	25.43	0.952	0.952	NO	55.12	110	0.0227	55.12
15	15 PCB-17	4.06e5	0.98	NO	0.667	1.000	25.60	25.61	0.958	0.959	NO	53.83	108	0.0236	53.83
16	16 PCB-24/27	1.16e6	0.97	NO	0.915	1.000	26.21	26.20	0.981	0.981	NO	111.8	112	0.0172	111.8
17	17 PCB-16/32	9.90e5	0.97	NO	0.792	1.000	26.74	26.74	1.001	1.001	NO	110.5	110	0.0199	110.5
18	18 PCB-34	6.45e5	1.06	NO	0.987	1.000	27.55	27.56	0.959	0.959	NO	46.13	92.3	0.0339	46.13
19	19 PCB-23	6.88e5	1.06	NO	0.974	1.000	27.64	27.65	0.962	0.962	NO	49.82	99.6	0.0343	49.82
20	20 PCB-29	6.73e5	1.05	NO	0.953	1.000	27.91	27.89	0.972	0.971	NO	49.80	99.6	0.0351	49.80
21	21 PCB-26	6.99e5	1.08	NO	1.00	1.000	28.12	28.11	0.979	0.979	NO	49.24	98.5	0.0334	49.24
22	22 PCB-25	6.86e5	1.06	NO	0.978	1.000	28.29	28.28	0.985	0.984	NO	49.53	99.1	0.0342	49.53
23	23 PCB-31	8.25e5	1.05	NO	1.12	1.000	28.66	28.65	0.998	0.997	NO	51.85	104	0.0298	51.85
24	24 PCB-28	7.38e5	1.03	NO	1.11	1.000	28.75	28.75	1.001	1.001	NO	47.09	94.2	0.0302	47.09
25	25 PCB-20/21/33	2.10e6	1.06	NO	1.00	1.000	29.37	29.38	1.022	1.023	NO	147.6	98.4	0.0333	147.6
26	26 PCB-22	7.77e5	1.06	NO	1.03	1.000	29.84	29.84	1.039	1.039	NO	53.09	106	0.0324	53.09
27	27 PCB-36	7.75e5	1.06	NO	1.18	1.000	30.49	30.48	0.932	0.931	NO	52.67	105	0.0314	52.67
28	28 PCB-39	7.12e5	1.05	NO	1.08	1.000	30.96	30.96	0.946	0.946	NO	52.55	105	0.0341	52.55
29	29 PCB-38	7.35e5	1.06	NO	1.13	1.000	31.77	31.76	0.971	0.970	NO	52.10	104	0.0328	52.10
30	30 PCB-35	7.24e5	1.05	NO	1.13	1.000	32.31	32.30	0.987	0.987	NO	51.18	102	0.0327	51.18
31	31 PCB-37	7.12e5	1.06	NO	1.11	1.000	32.76	32.75	1.001	1.001	NO	51.46	103	0.0334	51.46
32	32 PCB-54	5.41e5	0.72	NO	0.996	1.000	27.59	27.59	1.001	1.001	NO	54.31	109	0.0440	54.31

75-125%

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Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	4.29e5	0.72	NO	0.781	1.000	28.79	28.80	1.044	1.045	NO	54.85	110	0.0561	54.85
34	34 PCB-53	4.00e5	0.74	NO	0.955	1.000	29.46	29.47	0.943	0.944	NO	51.12	102	0.0576	51.12
35	35 PCB-51	4.48e5	0.73	NO	1.02	1.000	29.80	29.83	0.955	0.955	NO	53.38	107	0.0538	53.38
36	36 PCB-45	3.54e5	0.72	NO	0.808	1.000	30.26	30.25	0.969	0.969	NO	53.44	107	0.0681	53.44
37	37 PCB-46	3.42e5	0.72	NO	0.754	1.000	30.75	30.77	0.985	0.986	NO	55.38	111	0.0730	55.38
38	38 PCB-52/69	9.75e5	0.73	NO	1.09	1.000	31.26	31.26	1.001	1.001	NO	109.1	109	0.0504	109.1
39	39 PCB-73	5.70e5	0.75	NO	1.29	1.000	31.38	31.39	1.005	1.005	NO	53.94	108	0.0427	53.94
40	40 PCB-43/49	8.31e5	0.73	NO	0.940	1.000	31.55	31.56	1.010	1.011	NO	107.9	108	0.0585	107.9
41	41 PCB-47	4.13e5	0.74	NO	0.869	1.000	31.76	31.76	1.001	1.001	NO	55.19	110	0.0593	55.19
42	42 PCB-48/75	9.46e5	0.73	NO	1.02	1.000	31.87	31.87	1.004	1.004	NO	107.1	107	0.0503	107.1
43	43 PCB-65	5.34e5	0.72	NO	1.11	1.000	32.14	32.15	1.013	1.013	NO	55.89	112	0.0465	55.89
44	44 PCB-62	4.86e5	0.75	NO	1.07	1.000	32.25	32.26	1.016	1.016	NO	52.95	106	0.0483	52.95
45	45 PCB-44	3.50e5	0.73	NO	0.761	1.000	32.59	32.58	1.027	1.026	NO	53.39	107	0.0677	53.39
46	46 PCB-42/59	8.88e5	0.73	NO	0.960	1.000	32.80	32.82	1.033	1.034	NO	107.3	107	0.0536	107.3
47	47 PCB-41/64/71/72	2.01e6	0.73	NO	1.08	1.000	33.42	33.42	1.053	1.053	NO	215.0	108	0.0476	215.0
48	48 PCB-68	5.15e5	0.74	NO	1.11	1.000	33.68	33.70	1.061	1.062	NO	53.90	108	0.0464	53.90
49	49 PCB-40	2.57e5	0.76	NO	0.577	1.000	33.91	33.92	1.068	1.069	NO	51.65	103	0.0893	51.65
50	50 PCB-57	5.53e5	0.74	NO	1.05	1.000	34.27	34.29	0.969	0.969	NO	55.05	110	0.0460	55.05
51	51 PCB-67	5.30e5	0.72	NO	0.993	1.000	34.60	34.61	0.978	0.978	NO	55.61	111	0.0486	55.61
52	52 PCB-58	5.57e5	0.75	NO	1.11	1.000	34.73	34.72	0.982	0.982	NO	52.22	104	0.0434	52.22
53	53 PCB-63	5.05e5	0.73	NO	0.962	1.000	34.88	34.89	0.986	0.986	NO	54.77	110	0.0502	54.77
54	54 PCB-74	5.46e5	0.73	NO	1.07	1.000	35.17	35.19	0.994	0.995	NO	53.39	107	0.0453	53.39
55	55 PCB-61/70	1.03e6	0.73	NO	0.986	1.000	35.39	35.32	1.000	0.998	NO	108.8	109	0.0489	108.8
56	56 PCB-76/66	1.10e6	0.74	NO	1.07	1.000	35.55	35.60	1.005	1.006	NO	107.8	108	0.0452	107.8
57	57 PCB-80	5.77e5	0.74	NO	1.08	1.000	35.84	35.84	1.001	1.001	NO	54.83	110	0.0426	54.83
58	58 PCB-55	5.62e5	0.73	NO	1.07	1.000	36.16	36.15	1.010	1.009	NO	54.23	108	0.0433	54.23
59	59 PCB-56/60	1.01e6	0.74	NO	0.934	1.000	36.66	36.67	1.024	1.024	NO	111.2	111	0.0495	111.2
60	60 PCB-79	5.52e5	0.74	NO	1.04	1.000	37.78	37.77	1.055	1.055	NO	54.44	109	0.0442	54.44
61	61 PCB-78	5.14e5	0.72	NO	1.03	1.000	38.50	38.50	0.987	0.987	NO	54.43	109	0.0493	54.43
62	62 PCB-81	4.48e5	0.73	NO	0.933	1.000	39.04	39.04	1.000	1.000	NO	52.44	105	0.0545	52.44
63	63 PCB-77	4.94e5	0.75	NO	1.03	1.000	39.65	39.65	1.000	1.000	NO	53.96	108	0.0514	53.96
64	64 PCB-104	4.22e5	1.50	NO	0.995	1.000	32.43	32.43	1.001	1.001	NO	51.38	103	0.0197	51.38
65	65 PCB-96	4.25e5	1.55	NO	0.996	1.000	33.73	33.73	1.041	1.041	NO	51.74	103	0.0197	51.74
66	66 PCB-103	3.24e5	1.46	NO	0.774	1.000	34.29	34.31	1.058	1.059	NO	50.67	101	0.0254	50.67
67	67 PCB-100	3.32e5	1.50	NO	0.778	1.000	34.66	34.66	1.069	1.069	NO	51.65	103	0.0252	51.65
68	68 PCB-94	2.60e5	1.51	NO	0.773	1.000	35.17	35.15	0.985	0.985	NO	54.43	109	0.0338	54.43

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Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	9.83e5	1.49	NO	1.01	1.000	35.64	35.63	0.999	0.998	NO	156.6	104	0.0258	156.6
70	70 PCB-93	2.79e5	1.53	NO	0.841	1.000	35.77	35.74	1.002	1.002	NO	53.58	107	0.0311	53.58
71	71 PCB-88/91	5.57e5	1.51	NO	0.890	1.000	36.12	36.12	1.012	1.012	NO	101.3	101	0.0294	101.3
72	72 PCB-121	4.84e5	1.48	NO	1.39	1.000	36.21	36.21	1.015	1.015	NO	56.43	113	0.0189	56.43
73	73 PCB-84/92	5.54e5	1.50	NO	0.879	1.000	37.07	37.06	0.990	0.990	NO	106.7	107	0.0319	106.7
74	74 PCB-89	3.08e5	1.52	NO	0.959	1.000	37.28	37.25	0.996	0.995	NO	54.40	109	0.0292	54.40
75	75 PCB-90/101	6.03e5	1.52	NO	0.944	1.000	37.46	37.44	1.000	1.000	NO	108.0	108	0.0297	108.0
76	76 PCB-113	3.81e5	1.49	NO	1.23	1.000	37.70	37.70	1.007	1.007	NO	52.37	105	0.0228	52.37
77	77 PCB-99	3.64e5	1.50	NO	1.12	1.000	37.80	37.79	1.010	1.009	NO	55.08	110	0.0250	55.08
78	78 PCB-119	4.05e5	1.54	NO	1.47	1.000	38.27	38.27	0.987	0.987	NO	54.09	108	0.0221	54.09
79	79 PCB-108/112	6.89e5	1.51	NO	1.25	1.000	38.43	38.42	0.991	0.991	NO	108.4	108	0.0261	108.4
80	80 PCB-83	4.15e5	1.50	NO	1.55	1.000	38.60	38.59	0.996	0.995	NO	52.79	106	0.0211	52.79
81	81 PCB-97	2.87e5	1.52	NO	1.07	1.000	38.82	38.80	1.001	1.000	NO	52.44	105	0.0303	52.44
82	82 PCB-86	2.42e5	1.49	NO	0.996	1.000	38.96	38.94	1.005	1.004	NO	47.82	95.6	0.0327	47.82
83	83 PCB-87/117/125	1.12e6	1.48	NO	1.33	1.000	39.07	39.08	1.008	1.008	NO	164.5	110	0.0244	164.5
84	84 PCB-111/115	8.27e5	1.49	NO	1.60	1.000	39.24	39.24	1.012	1.012	NO	101.6	102	0.0203	101.6
85	85 PCB-85/116	6.65e5	1.50	NO	1.22	1.000	39.36	39.35	1.015	1.015	NO	107.5	108	0.0268	107.5
86	86 PCB-120	4.38e5	1.49	NO	1.68	1.000	39.63	39.63	1.022	1.022	NO	51.29	103	0.0194	51.29
87	87 PCB-110	4.04e5	1.49	NO	1.49	1.000	39.77	39.76	1.026	1.025	NO	53.51	107	0.0219	53.51
88	88 PCB-82	2.35e5	1.50	NO	0.674	1.000	40.39	40.41	0.975	0.976	NO	52.94	106	0.0369	52.94
89	89 PCB-124	4.04e5	1.53	NO	1.16	1.000	41.13	41.12	0.993	0.993	NO	52.74	105	0.0214	52.74
90	90 PCB-107/109	8.21e5	1.53	NO	1.17	1.000	41.27	41.27	0.996	0.996	NO	106.9	107	0.0214	106.9
91	91 PCB-123	3.69e5	1.53	NO	1.04	1.000	41.44	41.44	1.000	1.000	NO	53.74	107	0.0239	53.74
92	92 PCB-106/118	7.73e5	1.51	NO	1.07	1.000	41.64	41.66	1.001	1.001	NO	104.1	104	0.0223	104.1
93	93 PCB-114	4.92e5	1.62	NO	1.16	1.000	42.30	42.30	1.000	1.000	NO	53.11	106	0.0323	53.11
94	94 PCB-122	4.17e5	1.60	NO	0.973	1.000	42.43	42.45	1.003	1.004	NO	53.72	107	0.0386	53.72
95	95 PCB-105	4.64e5	1.57	NO	1.10	1.000	43.19	43.19	1.000	1.000	NO	51.69	103	0.0336	51.69
96	96 PCB-127	5.00e5	1.59	NO	1.11	1.000	43.55	43.55	1.000	1.000	NO	53.09	106	0.0327	53.09
97	97 PCB-126	4.95e5	1.58	NO	1.21	1.000	45.50	45.50	1.000	1.000	NO	53.56	107	0.0334	53.56
98	98 PCB-155	2.78e5	1.26	NO	0.874	1.000	36.97	36.97	1.000	1.001	NO	52.67	105	0.0170	52.67
99	99 PCB-150	2.86e5	1.24	NO	0.881	1.000	38.27	38.27	1.036	1.036	NO	53.64	107	0.0169	53.64
100	1... PCB-152	3.12e5	1.24	NO	1.00	1.000	38.76	38.78	1.049	1.049	NO	51.39	103	0.0148	51.39
101	1... PCB-145	3.07e5	1.25	NO	1.00	1.000	39.20	39.22	1.061	1.061	NO	50.75	101	0.0149	50.75
102	1... PCB-136	2.68e5	1.35	NO	0.843	1.000	39.56	39.56	1.071	1.070	NO	52.46	105	0.0177	52.46
103	1... PCB-148	2.02e5	1.13	NO	0.693	1.000	39.67	39.67	1.073	1.074	NO	48.13	96.3	0.0215	48.13
104	1... PCB-154	2.22e5	1.26	NO	0.724	1.000	40.16	40.19	1.087	1.088	NO	50.65	101	0.0206	50.65

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Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	1.91e5	1.31	NO	0.632	1.000	40.83	40.84	1.105	1.105	NO	50.07	100	0.0236	50.07
106	1... PCB-135	2.13e5	1.26	NO	0.716	1.000	41.05	41.07	1.111	1.111	NO	49.25	98.5	0.0208	49.25
107	1... PCB-144	2.05e5	1.27	NO	0.667	1.000	41.16	41.18	1.114	1.114	NO	50.78	102	0.0223	50.78
108	1... PCB-147	2.00e5	1.25	NO	0.661	1.000	41.28	41.31	1.117	1.118	NO	50.10	100	0.0225	50.10
109	1... PCB-139/149	4.61e5	1.24	NO	0.738	1.000	41.57	41.59	1.125	1.125	NO	103.2	103	0.0202	103.2
110	1... PCB-140	1.93e5	1.25	NO	0.627	1.000	41.76	41.77	1.130	1.130	NO	50.88	102	0.0237	50.88
111	1... PCB-134/143	5.30e5	1.20	NO	0.733	1.000	42.25	42.22	0.975	0.974	NO	105.3	105	0.0703	105.3
112	1... PCB-131/133	5.69e5	1.19	NO	0.790	1.000	42.54	42.55	0.982	0.982	NO	105.0	105	0.0652	105.0
113	1... PCB-142	2.54e5	1.19	NO	0.708	1.000	42.69	42.70	0.985	0.985	NO	52.32	105	0.0728	52.32
114	1... PCB-146/165	6.91e5	1.19	NO	0.959	1.000	42.94	42.93	0.991	0.990	NO	104.9	105	0.0537	104.9
115	1... PCB-132/161	6.84e5	1.18	NO	0.974	1.000	43.18	43.17	0.996	0.996	NO	102.3	102	0.0529	102.3
116	1... PCB-153	3.54e5	1.21	NO	1.01	1.000	43.36	43.36	1.000	1.000	NO	50.92	102	0.0509	50.92
117	1... PCB-168	3.63e5	1.19	NO	1.02	1.000	43.59	43.59	1.006	1.006	NO	51.94	104	0.0505	51.94
118	1... PCB-141	2.91e5	1.21	NO	0.967	1.000	44.12	44.12	1.000	1.000	NO	52.65	105	0.0634	52.65
119	1... PCB-137	2.96e5	1.19	NO	0.987	1.000	44.50	44.52	1.009	1.009	NO	52.39	105	0.0621	52.39
120	1... PCB-130	2.44e5	1.23	NO	0.840	1.000	44.61	44.63	1.012	1.012	NO	50.91	102	0.0730	50.91
121	1... PCB-138/163/164	1.12e6	1.20	NO	1.23	1.000	45.01	45.01	1.001	1.001	NO	156.2	104	0.0489	156.2
122	1... PCB-158/160	7.10e5	1.19	NO	1.18	1.000	45.25	45.26	1.006	1.006	NO	103.3	103	0.0509	103.3
123	1... PCB-129	2.39e5	1.17	NO	0.819	1.000	45.50	45.50	1.012	1.012	NO	49.93	99.9	0.0731	49.93
124	1... PCB-166	3.84e5	1.19	NO	1.07	1.000	45.98	45.97	0.993	0.993	NO	51.99	104	0.0487	51.99
125	1... PCB-159	3.85e5	1.20	NO	1.12	1.000	46.32	46.32	1.000	1.000	NO	49.83	99.7	0.0465	49.83
126	1... PCB-128/162	6.25e5	1.17	NO	0.851	1.000	46.60	46.62	1.007	1.007	NO	106.3	106	0.0612	106.3
127	1... PCB-167	3.70e5	1.19	NO	1.04	1.000	47.02	47.02	1.000	1.000	NO	51.75	104	0.0499	51.75
128	1... PCB-156	3.69e5	1.20	NO	1.06	1.000	48.34	48.34	1.000	1.000	NO	53.14	106	0.0519	53.14
129	1... PCB-157	3.37e5	1.22	NO	0.978	1.000	48.65	48.63	1.001	1.000	NO	52.50	105	0.0564	52.50
130	1... PCB-169	3.80e5	1.19	NO	1.11	1.000	50.90	50.90	1.000	1.000	NO	51.79	104	0.0505	51.79
131	1... PCB-188	3.75e5	1.05	NO	1.19	1.000	43.00	42.98	1.001	1.000	NO	52.36	105	0.0359	52.36
132	1... PCB-184	3.61e5	1.05	NO	1.17	1.000	43.44	43.44	1.011	1.011	NO	51.60	103	0.0367	51.60
133	1... PCB-179	3.75e5	1.03	NO	1.18	1.000	44.25	44.25	1.030	1.030	NO	53.09	106	0.0364	53.09
134	1... PCB-176	3.74e5	1.04	NO	1.16	1.000	44.72	44.72	1.041	1.041	NO	53.72	107	0.0369	53.72
135	1... PCB-186	3.85e5	1.03	NO	1.22	1.000	45.33	45.35	1.055	1.056	NO	52.69	105	0.0351	52.69
136	1... PCB-178	2.58e5	1.03	NO	0.830	1.000	45.84	45.86	1.067	1.067	NO	51.84	104	0.0515	51.84
137	1... PCB-175	2.64e5	1.05	NO	0.849	1.000	46.20	46.22	1.075	1.076	NO	51.89	104	0.0504	51.89
138	1... PCB-182/187	5.90e5	1.03	NO	0.960	1.000	46.40	46.39	1.080	1.080	NO	102.5	102	0.0446	102.5
139	1... PCB-183	2.91e5	1.04	NO	0.957	1.000	46.73	46.73	1.088	1.088	NO	50.68	101	0.0447	50.68
140	1... PCB-185	2.54e5	1.01	NO	1.32	1.000	47.41	47.40	0.955	0.955	NO	51.34	103	0.0525	51.34

75125

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

Last Altered: Friday, October 11, 2019 15:52:35 Pacific Daylight Time

Printed: Friday, October 11, 2019 15:53:06 Pacific Daylight Time

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	2.41e5	1.02	NO	1.22	1.000	47.78	47.78	0.962	0.962	NO	52.78	106	0.0568	52.78
142	1... PCB-181	2.62e5	1.05	NO	1.41	1.000	47.88	47.89	0.964	0.965	NO	49.56	99.1	0.0489	49.56
143	1... PCB-177	2.29e5	1.03	NO	1.24	1.000	48.06	48.06	0.968	0.968	NO	49.40	98.8	0.0558	49.40
144	1... PCB-171	2.37e5	1.02	NO	1.24	1.000	48.35	48.36	0.974	0.974	NO	50.97	102	0.0557	50.97
145	1... PCB-173	2.17e5	1.04	NO	1.14	1.000	48.79	48.80	0.983	0.983	NO	50.77	102	0.0607	50.77
146	1... PCB-172	2.47e5	1.04	NO	1.31	1.000	49.27	49.27	0.992	0.992	NO	50.40	101	0.0530	50.40
147	1... PCB-192	3.20e5	1.02	NO	1.70	1.000	49.46	49.46	0.996	0.996	NO	50.25	100	0.0407	50.25
148	1... PCB-180	2.58e5	1.04	NO	1.32	1.000	49.67	49.69	1.000	1.001	NO	52.27	105	0.0524	52.27
149	1... PCB-193	2.97e5	1.02	NO	1.54	1.000	49.90	49.90	1.005	1.005	NO	51.58	103	0.0450	51.58
150	1... PCB-191	3.07e5	1.03	NO	1.57	1.000	50.14	50.14	1.010	1.010	NO	52.14	104	0.0440	52.14
151	1... PCB-170	2.26e5	1.03	NO	1.36	1.000	51.34	51.34	1.000	1.000	NO	50.18	100	0.0572	50.18
152	1... PCB-190	3.01e5	1.02	NO	1.84	1.000	51.52	51.54	1.004	1.004	NO	49.43	98.9	0.0423	49.43
153	1... PCB-189	3.02e5	1.00	NO	1.33	1.000	53.08	53.08	1.000	1.000	NO	52.69	105	0.0394	52.69
154	1... PCB-202	2.69e5	0.88	NO	1.02	1.000	48.59	48.57	1.001	1.000	NO	52.89	106	0.0236	52.89
155	1... PCB-201	2.39e5	0.90	NO	0.915	1.000	49.08	49.06	1.011	1.011	NO	52.60	105	0.0264	52.60
156	1... PCB-204	2.60e5	0.87	NO	0.979	1.000	49.22	49.23	1.014	1.014	NO	53.51	107	0.0246	53.51
157	1... PCB-197	2.55e5	0.91	NO	0.979	1.000	49.54	49.54	1.020	1.020	NO	52.51	105	0.0246	52.51
158	1... PCB-200	2.51e5	0.87	NO	0.954	1.000	50.49	50.47	1.040	1.039	NO	53.02	106	0.0253	53.02
159	1... PCB-198	1.90e5	0.88	NO	0.748	1.000	52.04	52.06	1.072	1.072	NO	50.98	102	0.0322	50.98
160	1... PCB-199	1.88e5	0.90	NO	0.706	1.000	52.16	52.17	1.074	1.075	NO	53.61	107	0.0342	53.61
161	1... PCB-196/203	3.89e5	0.88	NO	0.785	1.000	52.48	52.49	1.081	1.081	NO	99.76	99.8	0.0307	99.76
162	1... PCB-195	2.62e5	0.87	NO	1.03	1.000	53.80	53.80	0.984	0.983	NO	51.39	103	0.0337	51.39
163	1... PCB-194	2.92e5	0.89	NO	1.16	1.000	54.72	54.72	1.000	1.000	NO	51.14	102	0.0301	51.14
164	1... PCB-205	3.68e5	0.90	NO	1.40	1.000	54.98	55.00	1.005	1.005	NO	53.22	106	0.0249	53.22
165	1... PCB-208	2.74e5	1.34	NO	0.934	1.000	53.95	53.94	1.000	1.000	NO	50.38	101	0.0379	50.38
166	1... PCB-207	2.69e5	1.32	NO	0.912	1.000	54.26	54.28	1.006	1.007	NO	50.76	102	0.0388	50.76
167	1... PCB-206	2.06e5	1.32	NO	0.987	1.000	56.24	56.24	1.000	1.000	NO	50.09	100	0.0487	50.09
168	1... PCB-209	2.05e5	1.18	NO	0.943	1.000	57.48	57.48	1.000	1.000	NO	51.12	102	0.00954	51.12
169	1... 13C-PCB-1	1.37e6	3.09	NO	1.08	1.000	15.51	15.50	0.608	0.608	NO	81.05	81.0	0.0603	
170	1... 13C-PCB-3	1.34e6	3.08	NO	1.09	1.000	18.15	18.13	0.712	0.711	NO	78.50	78.5	0.0596	
171	1... 13C-PCB-4	9.83e5	1.60	NO	0.640	1.000	19.51	19.49	0.765	0.764	NO	97.77	97.8	0.0395	
172	1... 13C-PCB-9	1.54e6	1.61	NO	0.995	1.000	21.33	21.31	0.837	0.836	NO	98.73	98.7	0.0254	
173	1... 13C-PCB-11	1.54e6	1.57	NO	0.971	1.000	24.78	24.77	0.972	0.972	NO	101.2	101	0.0260	
174	1... 13C-PCB-19	8.08e5	1.00	NO	0.637	1.000	23.74	23.73	0.931	0.931	NO	80.71	80.7	0.296	
175	1... 13C-PCB-32	1.13e6	1.01	NO	0.910	1.000	26.73	26.72	1.048	1.048	NO	79.11	79.1	0.207	
176	1... 13C-PCB-28	1.42e6	0.97	NO	1.07	1.000	28.74	28.73	1.004	1.003	NO	109.0	109	0.303	

Handwritten notes: 35-115/1 (vertical), 7 (vertical), 5-115/1 (vertical), and a triangle symbol at the bottom.

Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

Last Altered: Friday, October 11, 2019 15:52:35 Pacific Daylight Time

Printed: Friday, October 11, 2019 15:53:06 Pacific Daylight Time

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.25e6	0.97	NO	0.959	1.000	32.72	32.73	1.143	1.143	NO	107.1	107	0.338	
178	1... 13C-PCB-54	1.00e6	0.76	NO	1.10	1.000	27.59	27.57	0.753	0.752	NO	93.76	93.8	0.103	
179	1... 13C-PCB-52	8.19e5	0.78	NO	0.844	1.000	31.25	31.22	0.853	0.852	NO	99.83	99.8	0.134	
180	1... 13C-PCB-47	8.62e5	0.76	NO	0.893	1.000	31.77	31.74	0.867	0.866	NO	99.31	99.3	0.127	
181	1... 13C-PCB-70	9.59e5	0.78	NO	1.01	1.000	35.39	35.37	0.965	0.965	NO	97.97	98.0	0.112	
182	1... 13C-PCB-80	9.70e5	0.76	NO	1.05	1.000	35.82	35.82	0.977	0.977	NO	95.46	95.5	0.108	
183	1... 13C-PCB-81	9.16e5	0.75	NO	0.985	1.000	39.02	39.02	1.064	1.064	NO	95.67	95.7	0.115	
184	1... 13C-PCB-77	8.87e5	0.77	NO	0.958	1.000	39.63	39.63	1.081	1.081	NO	95.22	95.2	0.118	
185	1... 13C-PCB-104	8.26e5	1.58	NO	1.10	1.000	32.43	32.41	0.827	0.826	NO	104.3	104	0.0328	
186	1... 13C-PCB-95	6.18e5	1.64	NO	0.852	1.000	35.68	35.69	0.910	0.910	NO	100.6	101	0.0422	
187	1... 13C-PCB-101	5.91e5	1.60	NO	0.814	1.000	37.43	37.44	0.954	0.954	NO	100.7	101	0.0442	
188	1... 13C-PCB-97	5.09e5	1.66	NO	0.709	1.000	38.78	38.78	0.989	0.989	NO	99.39	99.4	0.0507	
189	1... 13C-PCB-123	6.59e5	1.63	NO	0.922	1.000	41.42	41.42	1.056	1.056	NO	99.09	99.1	0.0390	
190	1... 13C-PCB-118	6.94e5	1.62	NO	0.975	1.000	41.60	41.60	1.061	1.061	NO	98.67	98.7	0.0369	
191	1... 13C-PCB-114	7.97e5	1.55	NO	1.52	1.000	42.29	42.28	0.908	0.908	NO	106.5	107	0.0719	
192	1... 13C-PCB-105	8.15e5	1.51	NO	1.58	1.000	43.18	43.17	0.927	0.927	NO	104.5	104	0.0690	
193	1... 13C-PCB-127	8.50e5	1.54	NO	1.62	1.000	43.52	43.53	0.934	0.935	NO	106.4	106	0.0674	
194	1... 13C-PCB-126	7.62e5	1.51	NO	1.45	1.000	45.49	45.48	0.976	0.976	NO	107.0	107	0.0756	
195	1... 13C-PCB-155	6.05e5	1.31	NO	1.03	1.000	36.97	36.95	0.943	0.942	NO	81.74	81.7	0.0173	
196	1... 13C-PCB-153	6.86e5	1.24	NO	1.42	1.000	43.35	43.34	0.931	0.930	NO	97.85	97.8	0.0636	
197	1... 13C-PCB-141	5.71e5	1.31	NO	1.14	1.000	44.10	44.10	0.947	0.947	NO	101.5	102	0.0793	
198	1... 13C-PCB-138	5.83e5	1.28	NO	1.18	1.000	44.98	44.97	0.966	0.965	NO	100.3	100	0.0768	
199	1... 13C-PCB-159	6.91e5	1.25	NO	1.43	1.000	46.29	46.30	0.994	0.994	NO	97.85	97.9	0.0632	
200	2... 13C-PCB-167	6.87e5	1.26	NO	1.42	1.000	47.01	47.00	1.009	1.009	NO	97.85	97.9	0.0636	
201	2... 13C-PCB-156	6.58e5	1.29	NO	1.40	1.000	48.31	48.33	1.037	1.037	NO	95.52	95.5	0.0648	
202	2... 13C-PCB-157	6.56e5	1.28	NO	1.41	1.000	48.61	48.61	1.044	1.044	NO	94.71	94.7	0.0644	
203	2... 13C-PCB-169	6.62e5	1.25	NO	1.35	1.000	50.88	50.88	1.092	1.092	NO	99.85	99.9	0.0673	
204	2... 13C-PCB-188	6.00e5	0.44	NO	1.46	1.000	42.98	42.96	0.927	0.926	NO	100.8	101	0.0587	
205	2... 13C-PCB-180	3.74e5	0.45	NO	0.932	1.000	49.65	49.65	1.070	1.070	NO	98.70	98.7	0.0922	
206	2... 13C-PCB-170	3.31e5	0.45	NO	0.796	1.000	51.31	51.32	1.106	1.106	NO	102.2	102	0.108	
207	2... 13C-PCB-189	4.31e5	0.45	NO	1.09	1.000	53.03	53.06	1.143	1.144	NO	97.09	97.1	0.0788	
208	2... 13C-PCB-202	4.97e5	0.92	NO	1.45	1.000	48.54	48.55	1.042	1.042	NO	84.19	84.2	0.0403	
209	2... 13C-PCB-194	4.94e5	0.89	NO	0.714	1.000	54.71	54.70	0.995	0.995	NO	100.1	100	0.0708	
210	2... 13C-PCB-208	5.81e5	0.80	NO	0.896	1.000	53.96	53.93	0.982	0.981	NO	93.89	93.9	0.0556	
211	2... 13C-PCB-206	4.17e5	0.78	NO	0.653	1.000	56.22	56.23	1.023	1.023	NO	92.35	92.3	0.0764	
212	2... 13C-PCB-209	4.25e5	1.21	NO	0.806	1.000	57.48	57.48	1.045	1.046	NO	76.25	76.2	0.0110	

9-11-19

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Dataset: U:\VG11.PRO\Results\191010K1\191010K1-1.qld

Last Altered: Friday, October 11, 2019 15:52:35 Pacific Daylight Time

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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.57e6	1.62	NO	1.00	1.000	25.49	25.49	1.000	0.000	NO	100.0	100	0.0253	
214	2... 13C-PCB-31	1.22e6	0.97	NO	1.00	1.000	28.64	28.64	1.000	0.000	NO	100.0	100	0.324	
215	2... 13C-PCB-60	9.72e5	0.75	NO	1.00	1.000	36.66	36.65	1.000	0.000	NO	100.0	100	0.113	
216	2... 13C-PCB-111	7.21e5	1.65	NO	1.00	1.000	39.22	39.22	1.000	0.000	NO	100.0	100	0.0360	
217	2... 13C-PCB-128	4.93e5	1.27	NO	1.00	1.000	46.58	46.58	1.000	0.000	NO	100.0	100	0.0906	
218	2... 13C-PCB-182	4.07e5	0.45	NO	1.00	1.000	46.41	46.39	0.000	0.000	NO	100.0	100	0.0859	
219	2... 13C-PCB-205	6.91e5	0.88	NO	1.00	1.000	54.98	54.98	1.000	0.000	NO	100.0	100	0.0505	
220	2... 13C-PCB-79	9.71e5	0.78	NO	1.03	1.000	37.75	37.75	1.030	1.030	NO	96.85	96.8	0.110	75-125/1
221	2... 13C-PCB-178	3.83e5	0.45	NO	0.875	1.000	45.84	45.84	0.988	0.988	NO	88.80	88.8	0.0865	
222	2... 13C-PCB-79	9.71e5	0.78	NO	1.05	1.000	37.75	37.75	0.967	0.968	NO	101.5	101	0.117	
223	2... 13C-PCB-178	3.82e5	0.45	NO	0.975	1.000	45.86	45.84	0.924	0.923	NO	104.8	105	0.0999	

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, October 11, 2019 15:45:51 Pacific Daylight Time

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Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

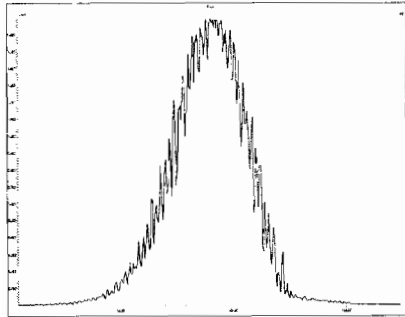
Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	191010K1_1	ST191010K1-1 PCB 209 CS3 19C1106	10-Oct-19	15:30:52
2	191010K1_2	B9J0070-BS1 OPR 1	10-Oct-19	16:32:59
3	191010K1_3	B9J0053-BS1 OPR 10	10-Oct-19	17:35:03
4	191010K1_4	SOLVENT BLANK	10-Oct-19	18:38:14
5	191010K1_5	B9J0053-BLK1 Method Blank 10	10-Oct-19	19:41:04
6	191010K1_6	QC191010-5 HEXANE DX024-US	10-Oct-19	20:43:08
7	191010K1_7	QC191010-6 DCM DX019-US	10-Oct-19	21:45:13
8	191010K1_8	1903382-01 OWS-BDUP-T190926134555 0.9...	10-Oct-19	22:47:19
9	191010K1_9	1903382-02 OWS-SCHU-T190926134414 1.0...	10-Oct-19	23:50:09
10	191010K1_10	1903382-03 OWS-THIS-T190926134130 0.91...	11-Oct-19	00:52:17
11	191010K1_11	1903382-04 OWS-WAFO-T190926134725 0.9...	11-Oct-19	01:54:21
12	191010K2_1	SOLVENT BLANK	11-Oct-19	03:05:45
13	191010K2_2	ST191010K2-1 PCB 209 CS3 19C1106	11-Oct-19	04:07:52

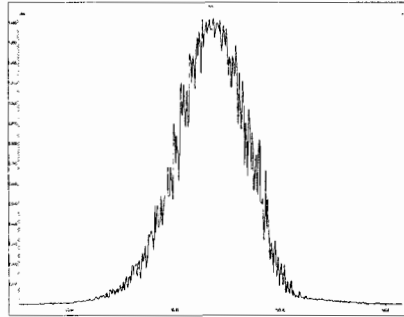
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, October 10, 2019 15:26:03 Pacific Daylight Time

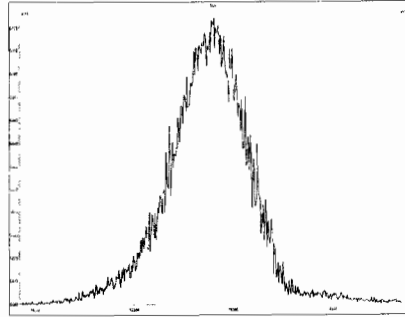
M 168.9888 R 11518



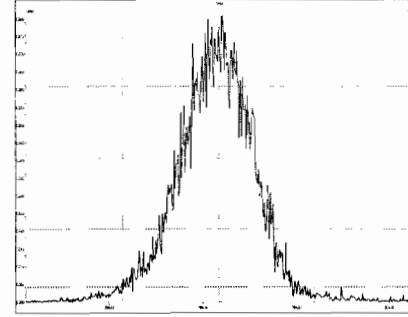
M 180.9888 R 11736



M 192.9888 R 10593



M 204.9888 R 12020



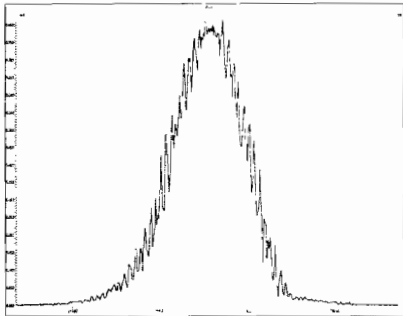
Experiment Calibration Report

MassLynx 4.1 SCN815

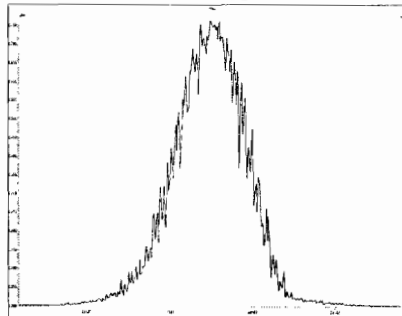
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Thursday, October 10, 2019 15:26:33 Pacific Daylight Time

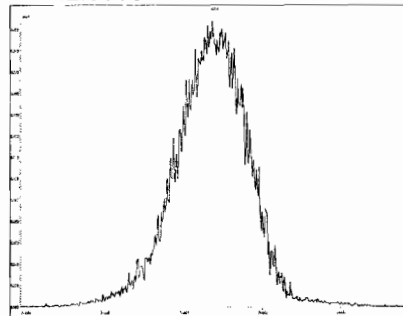
M 218.9856 R 12193



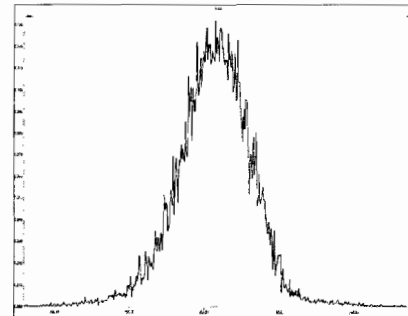
M 230.9856 R 12135



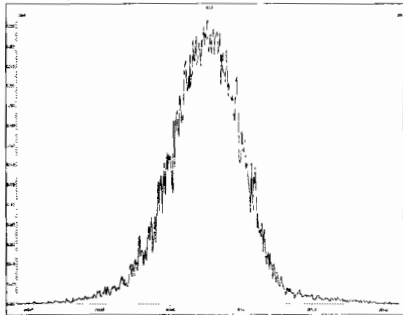
M 242.9856 R 11734



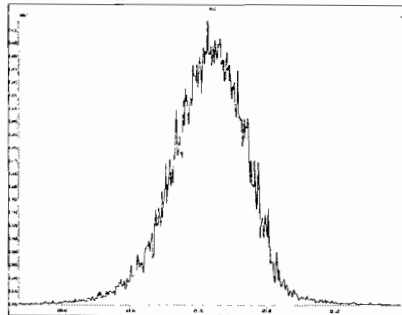
M 254.9856 R 12079



M 268.9824 R 11573



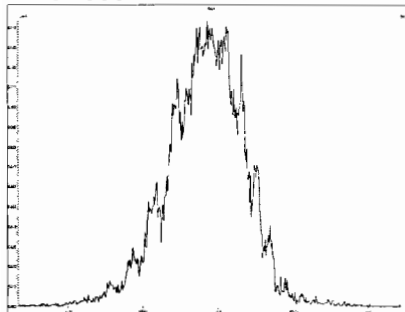
M 280.9824 R 11114



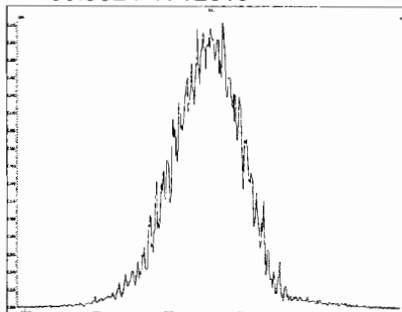
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Printed: Thursday, October 10, 2019 15:28:09 Pacific Daylight Time

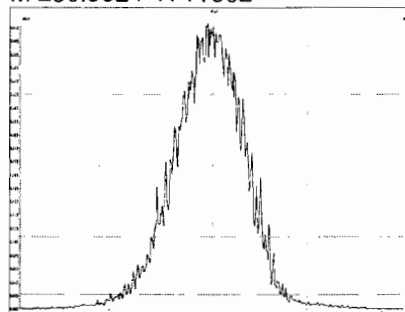
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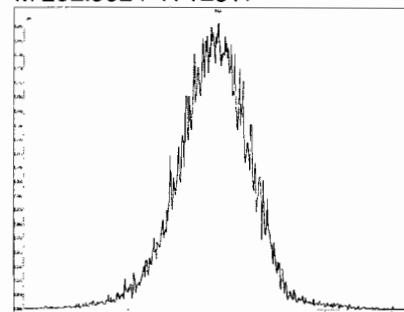
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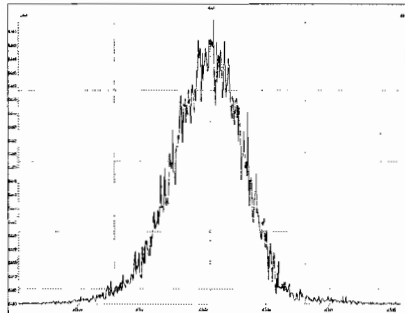
M 280.9824 R 11902



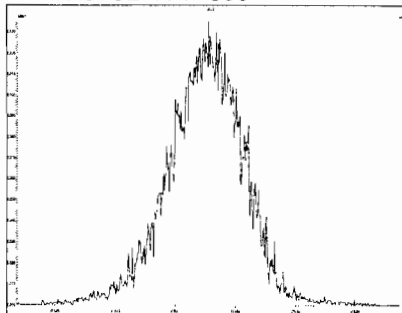
M 292.9824 R 12317



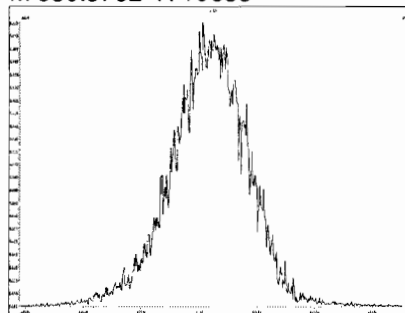
M 304.9824 R 12437



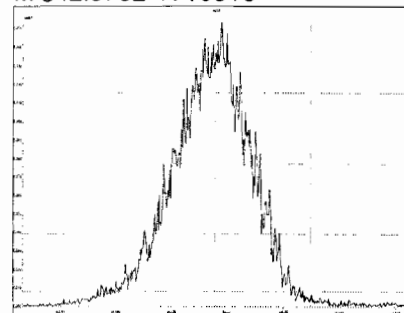
M 318.9792 R 11680



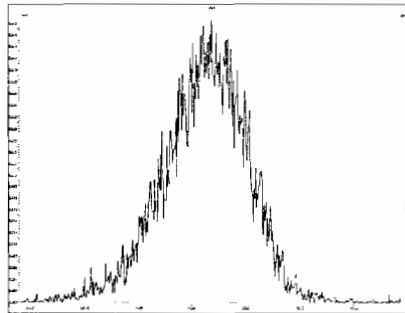
M 330.9792 R 10639



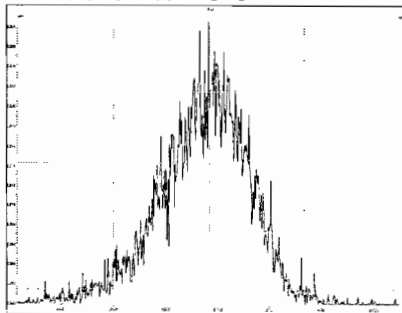
M 342.9792 R 10916



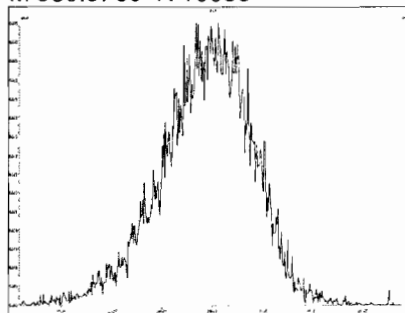
M 354.9792 R 11263



M 366.9792 R 11013



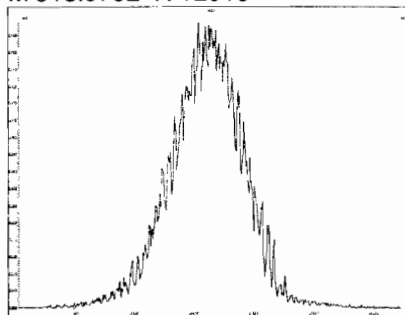
M 380.9760 R 10039



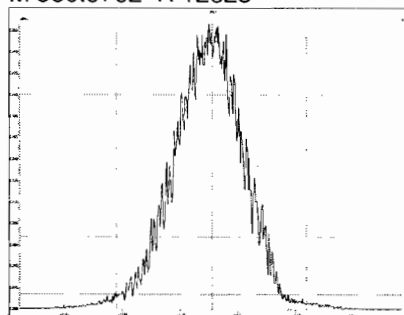
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Thursday, October 10, 2019 15:28:55 Pacific Daylight Time

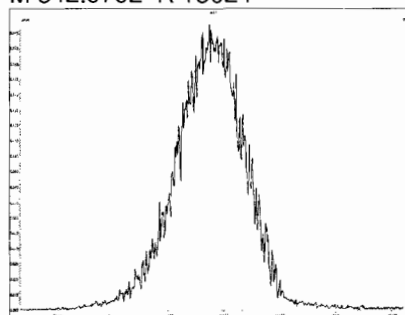
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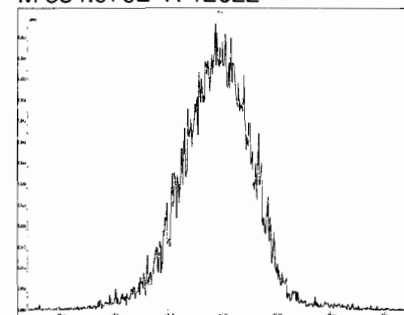
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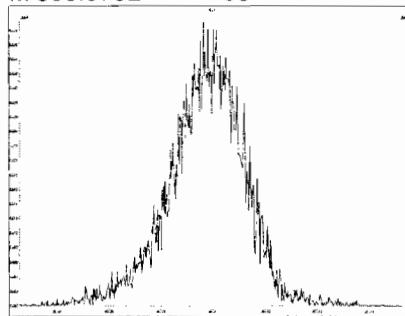
M 342.9792 R 13024



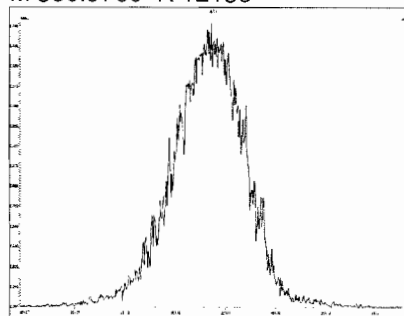
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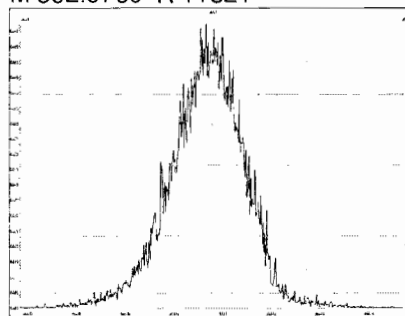
M 366.9792 R 11736



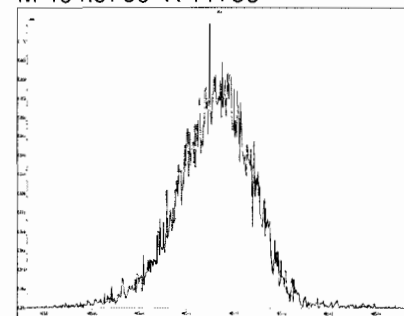
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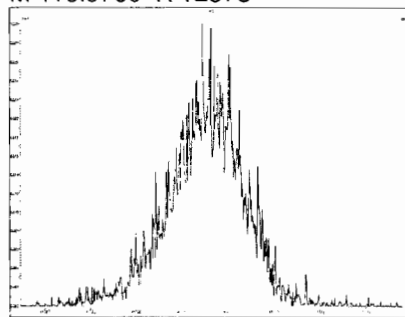
M 392.9760 R 11521



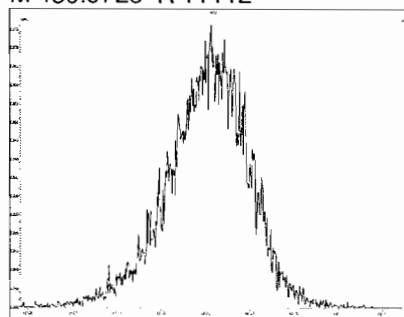
M 404.9760 R 11736



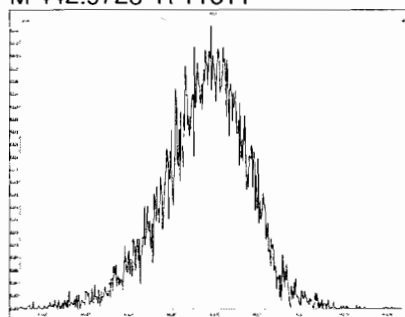
M 416.9760 R 12378



M 430.9728 R 11112



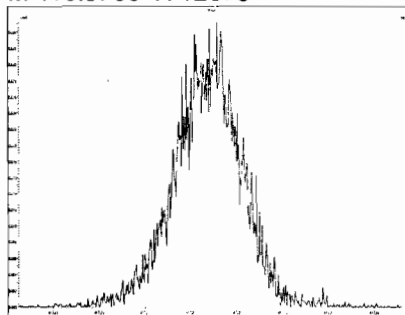
M 442.9728 R 11311



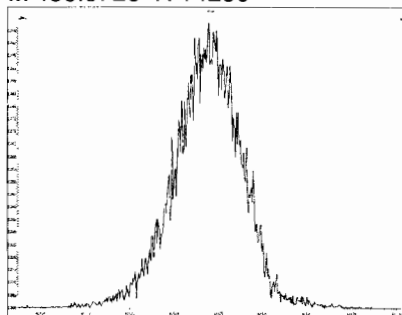
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Printed: Thursday, October 10, 2019 15:29:39 Pacific Daylight Time

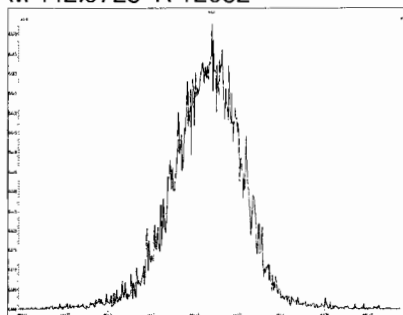
M 416.9760 R 12378



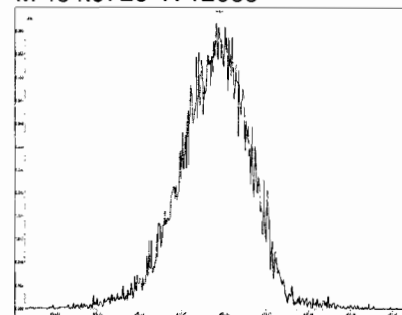
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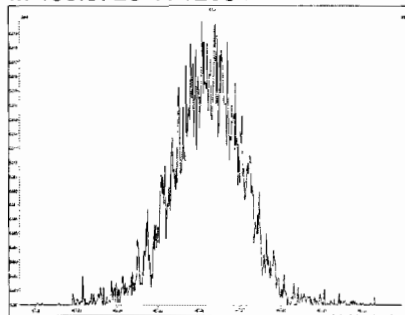
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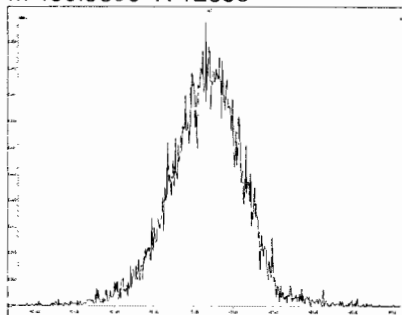
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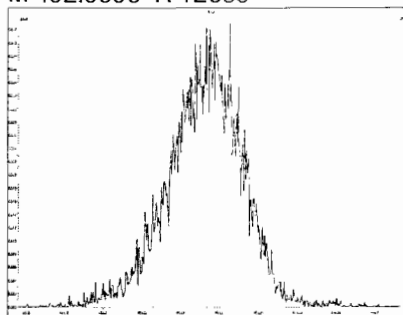
M 466.9728 R 12954



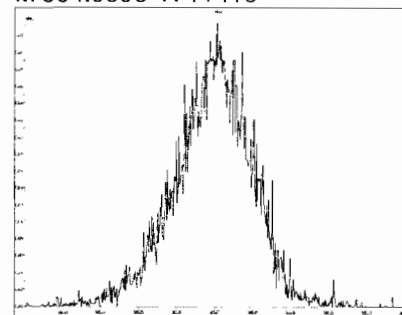
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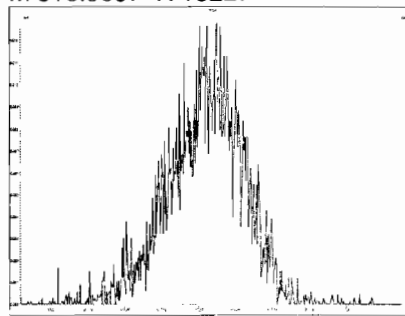
M 492.9696 R 12689



M 504.9696 R 11416



M 516.9697 R 13227



Dataset: Untitled

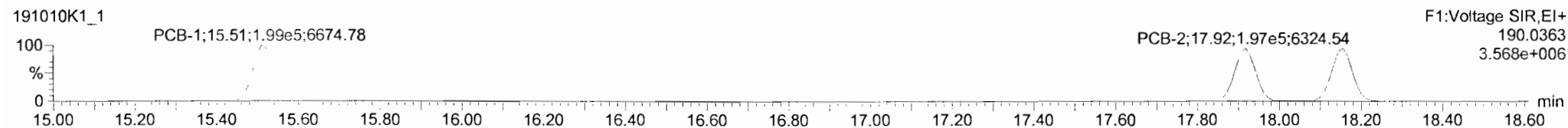
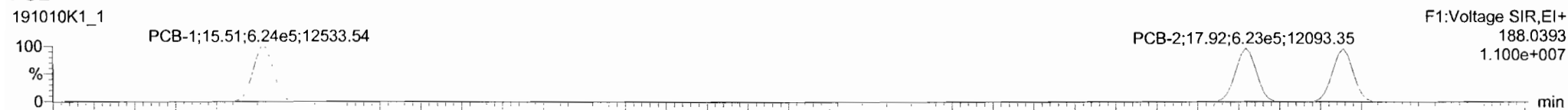
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Printed: Friday, October 11, 2019 08:12:54 Pacific Daylight Time

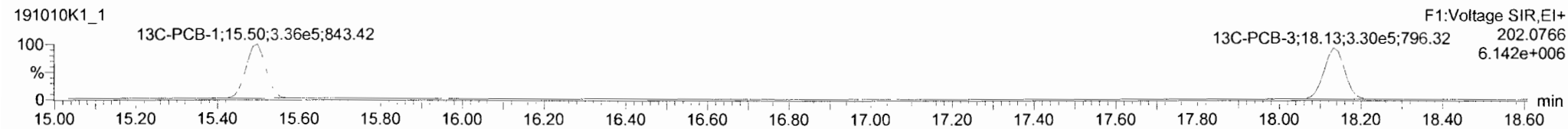
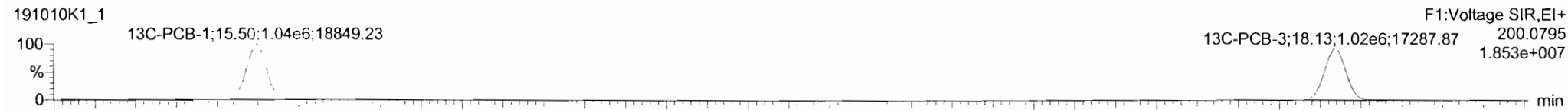
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Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

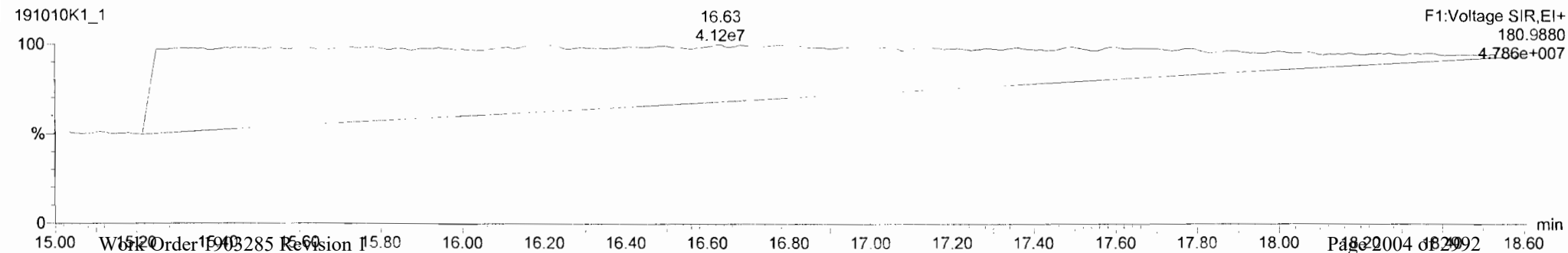
PCB-1



13C-PCB-1



PFK1

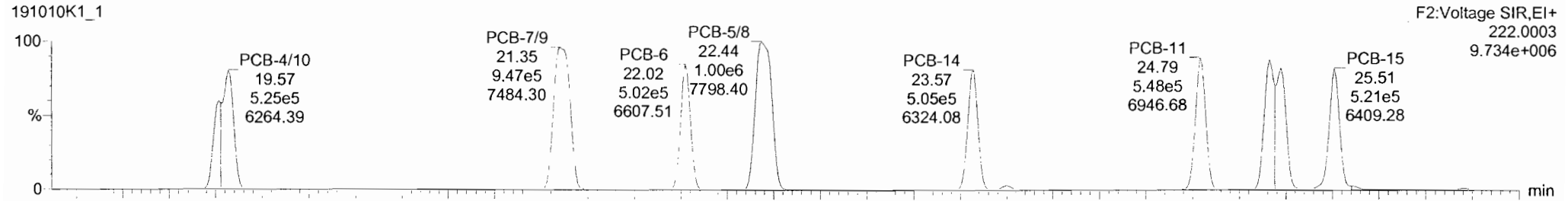


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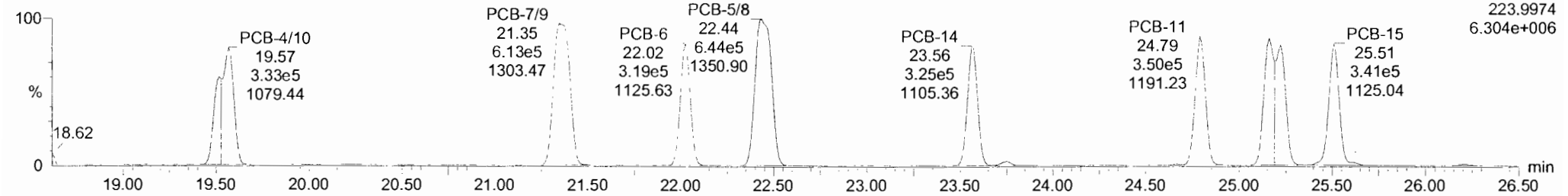
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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

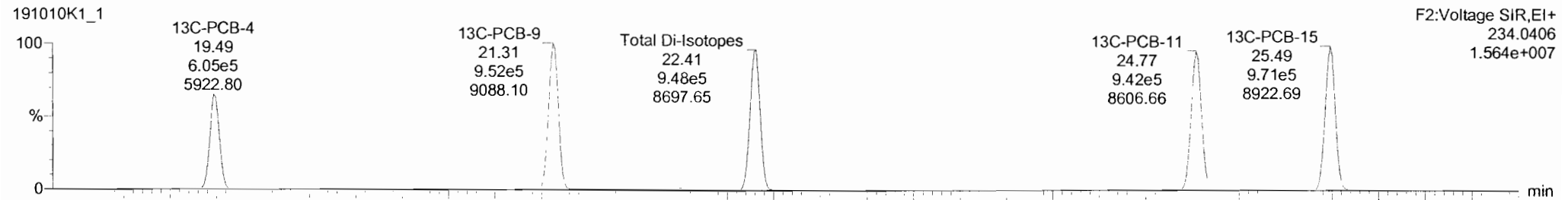
PCB-4/10



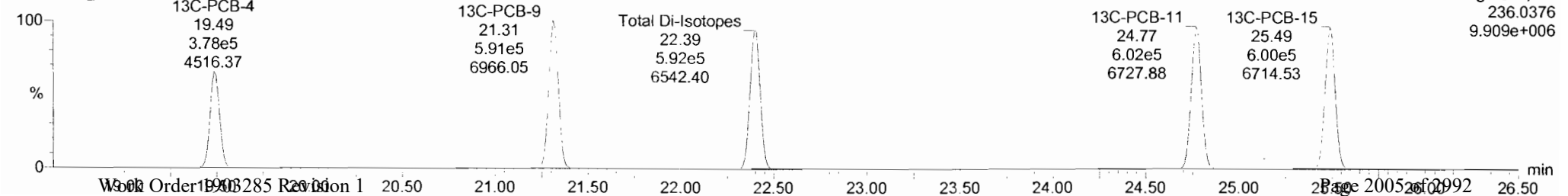
191010K1_1



13C-PCB-4



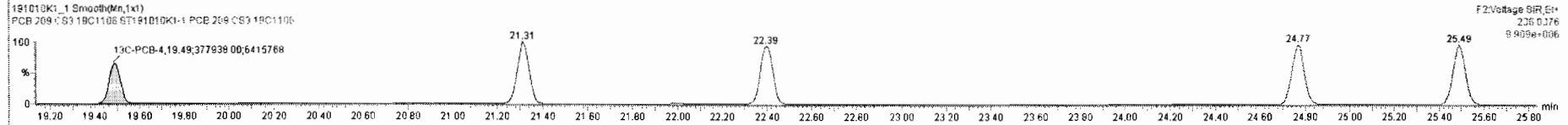
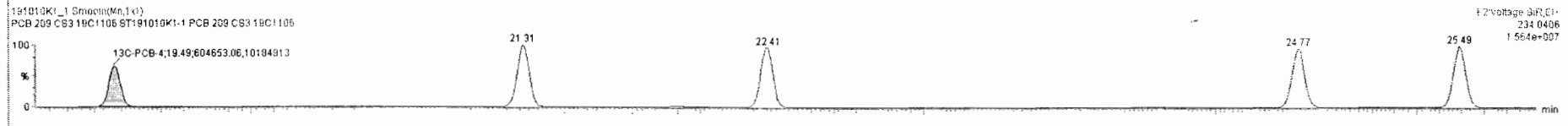
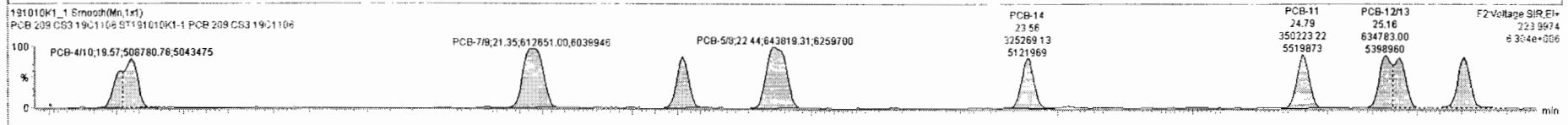
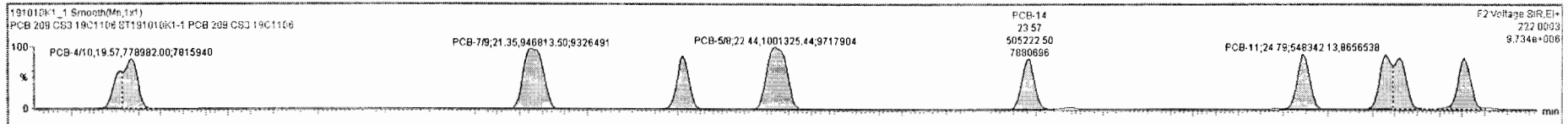
191010K1_1



191010K1_1-ST191010K1-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
218	218 13C-PCB-102	4.07e5	0.45	NO	1.0000	1.000	46.41	46.39	0.000	0.000	NO	100.0	100	0.0859	
219	219 13C-PCB-205	6.91e5	0.88	NO	1.0000	1.000	54.98	54.98	1.000	0.000	NO	100.0	100	0.0505	
220	220 13C-PCB-79	9.71e5	0.78	NO	1.0320	1.000	37.76	37.75	1.030	1.030	NO	96.85	96.8	0.110	
221	221 13C-PCB-178	3.83e5	0.45	NO	0.8746	1.000	45.85	45.84	0.988	0.988	NO	88.80	88.8	0.0865	
222	222 13C-PCB-79	9.71e5	0.78	NO	1.0454	1.000	37.75	37.75	0.967	0.968	NO	101.5	101	0.117	
223	223 13C-PCB-178	3.82e5	0.45	NO	0.9749	1.000	45.86	45.84	0.924	0.923	NO	104.8	105	0.0999	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	178.9		0.0362	178.9
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	623.8		0.380	623.8
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	442.7		0.120	442.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	S* Ratio (Pred)	RA	n/y	EMPC	Conc.
4	PCB-4/10	19.57	19.57	7.790e5	5.086e5	1.560	1.53	NO	102.76	102.76
5	PCB-7/9	21.37	21.35	9.468e5	6.127e5	1.560	1.54	NO	103.52	103.52
6	PCB-6	22.02	22.02	5.019e5	3.194e5	1.560	1.57	NO	52.318	52.318
7	PCB-5/8	22.43	22.44	1.001e6	6.438e5	1.560	1.55	NO	105.43	105.43
8	PCB-14	23.58	23.57	5.052e5	3.253e5	1.560	1.55	NO	52.076	52.076
9	PCB-11	24.79	24.79	5.483e5	3.502e5	1.560	1.57	NO	53.099	53.099

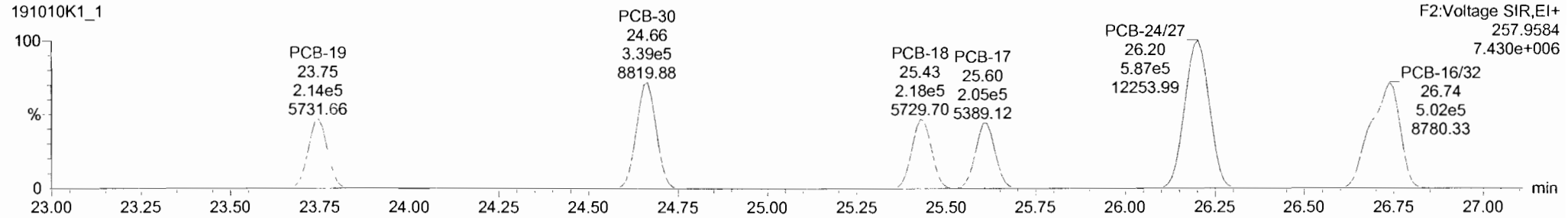
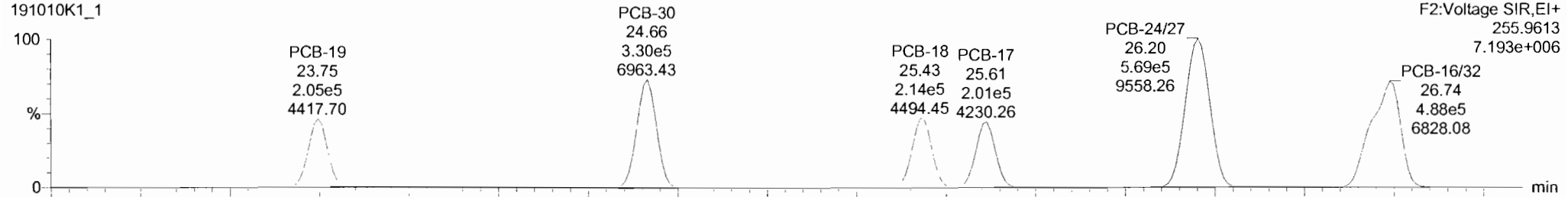


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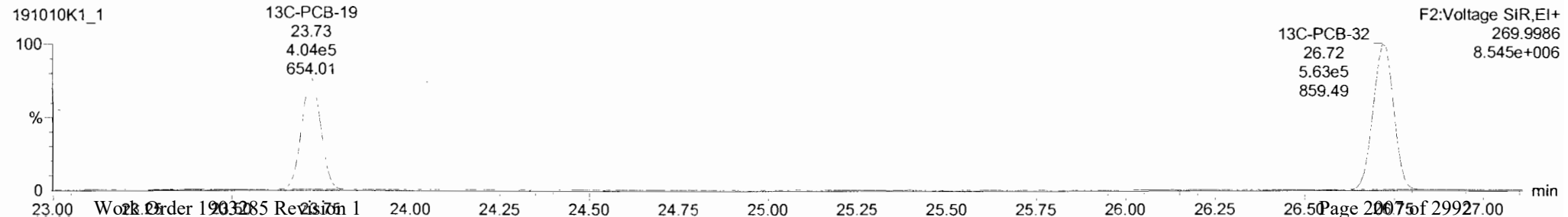
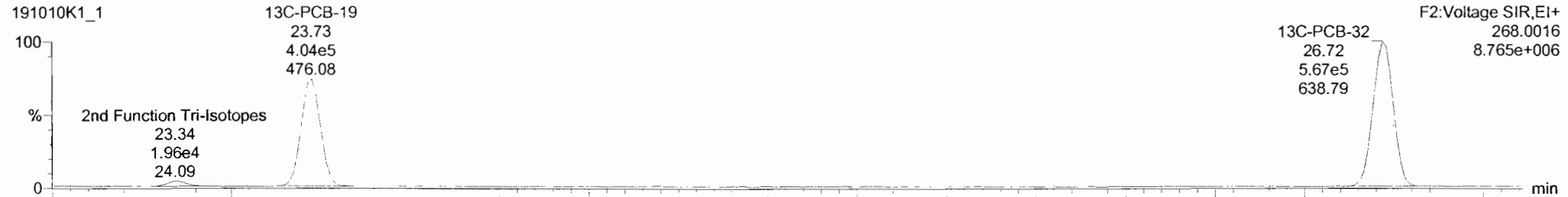
Last Altered: Friday, October 11, 2019 08:11:08 Pacific Daylight Time
Printed: Friday, October 11, 2019 08:12:54 Pacific Daylight Time

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19



13C-PCB-19



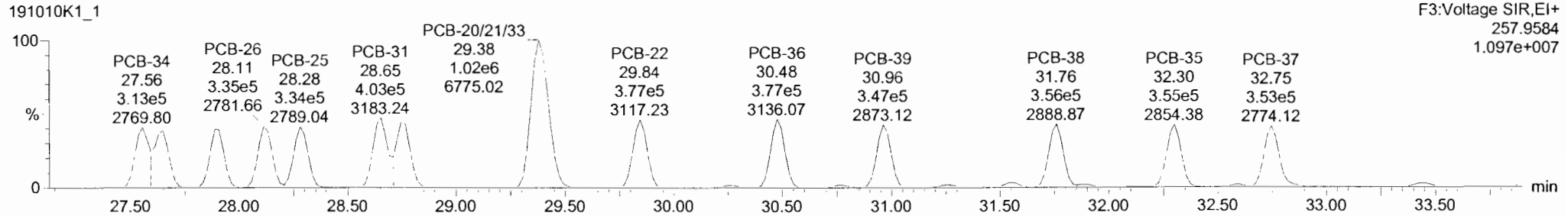
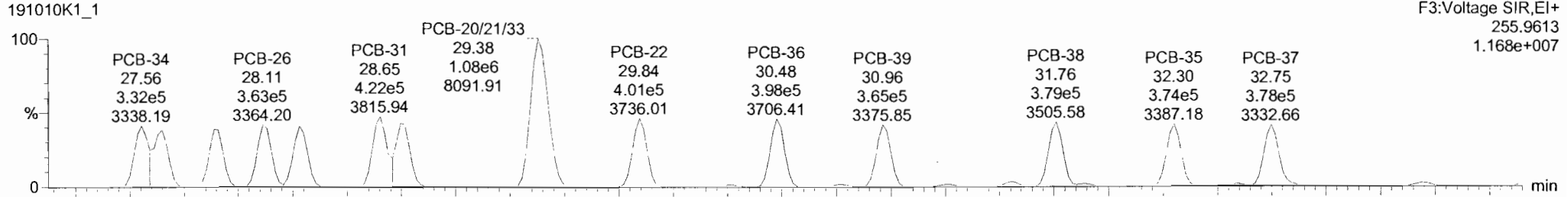
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Last Altered: Friday, October 11, 2019 08:11:08 Pacific Daylight Time

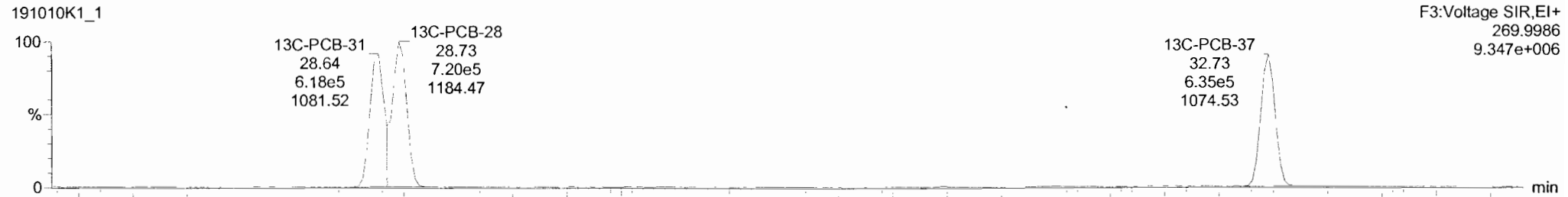
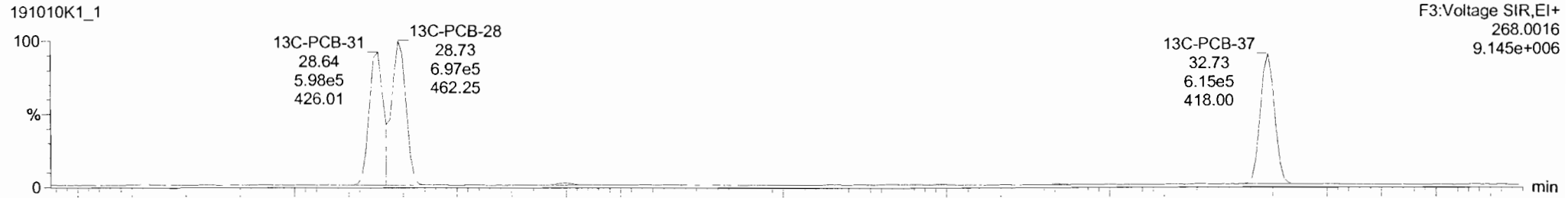
Printed: Friday, October 11, 2019 08:12:54 Pacific Daylight Time

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-34



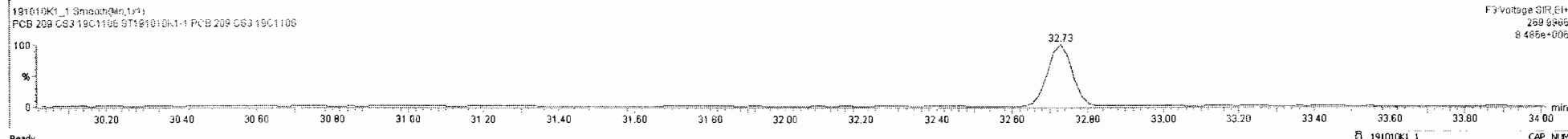
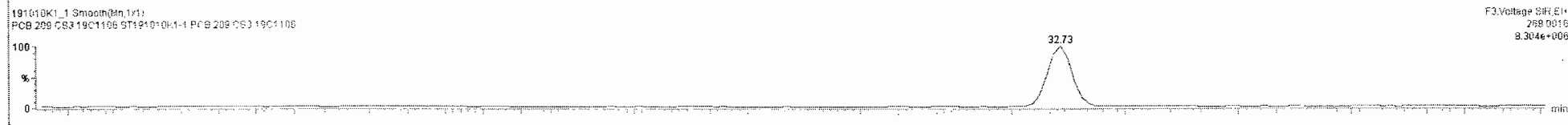
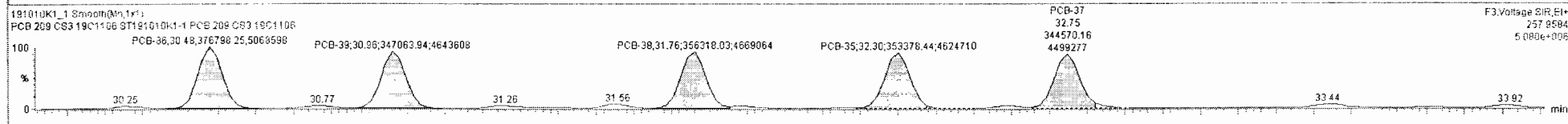
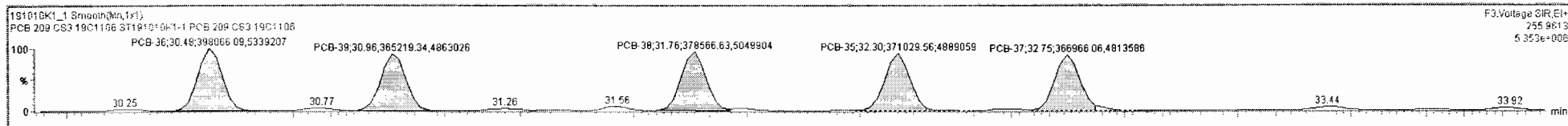
13C-PCB-28



191010K1-1-ST191010K1-1-PCB 209 CS3 19C1106-PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0553	1.000	0.00		0.000		NO	804.1		0.481	804.1
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2269		1.68	2269
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2169		0.739	2169
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	263.2		0.171	263.2
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	714.0		0.257	714.0
232	4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1452		1.15	1452
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1234		1.08	1234
234	4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	468.9		0.222	468.9
235	5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	155.8		0.0887	155.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
18	PCB-34	27.55	27.56	3.321e5	3.134e5	1.040	1.06	NO	46.127	46.127
19	PCB-23	27.65	27.65	3.539e5	3.337e5	1.040	1.06	NO	49.820	49.820
20	PCB-29	27.91	27.89	3.441e5	3.288e5	1.040	1.05	NO	49.800	49.800
21	PCB-26	28.13	28.11	3.633e5	3.352e5	1.040	1.08	NO	49.237	49.237
22	PCB-25	28.29	28.28	3.527e5	3.337e5	1.040	1.06	NO	49.529	49.529
23	PCB-31	28.66	28.65	4.225e5	4.029e5	1.040	1.05	NO	51.850	51.850



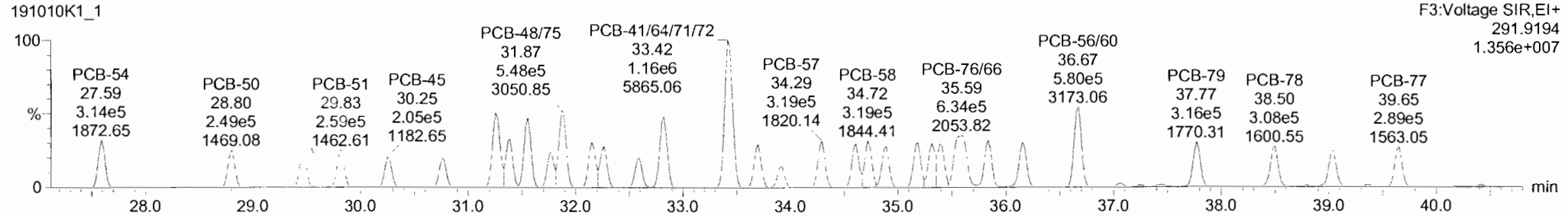
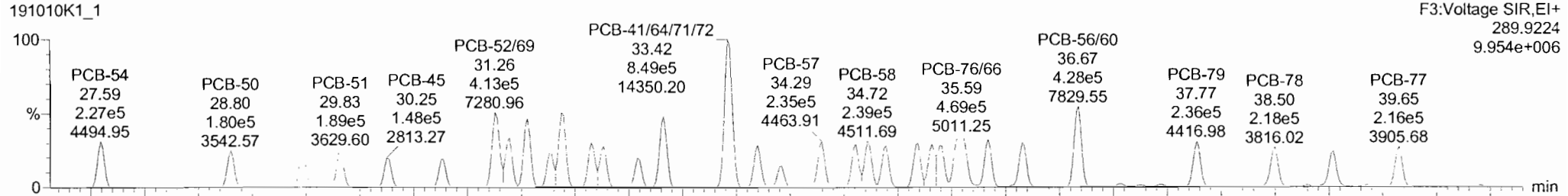
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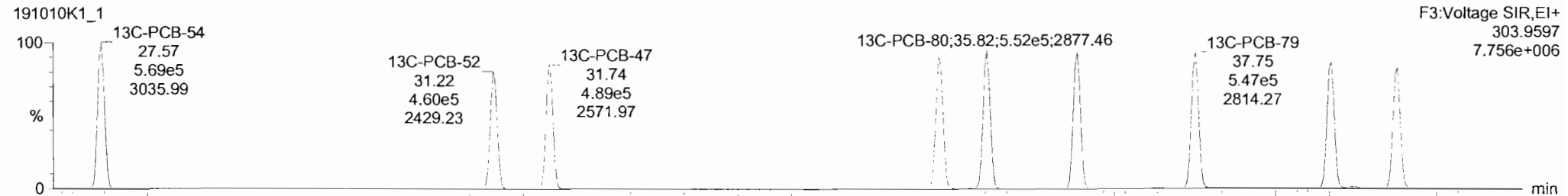
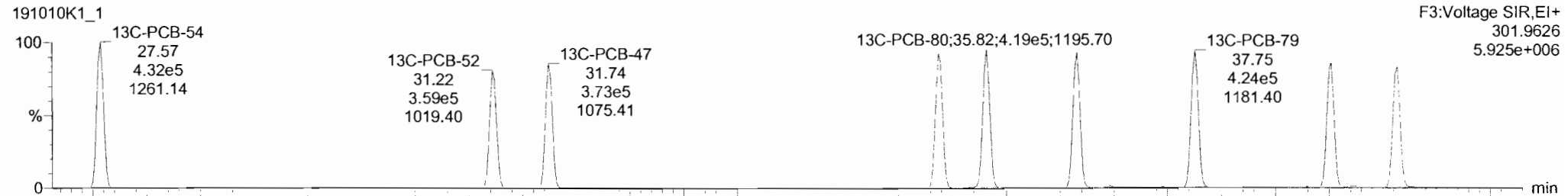
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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54



13C-PCB-54

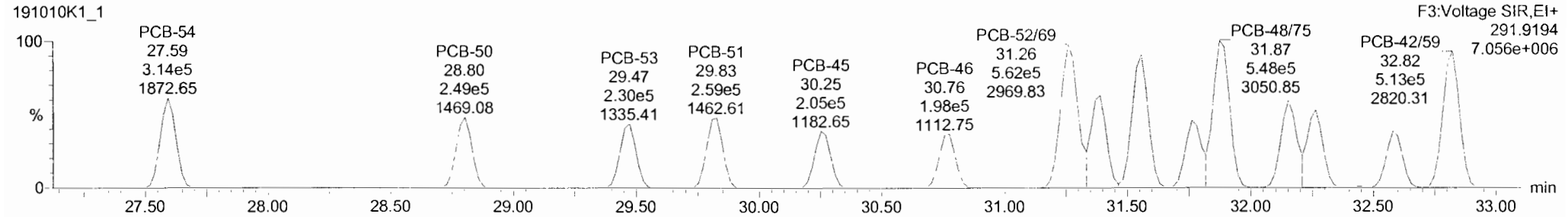
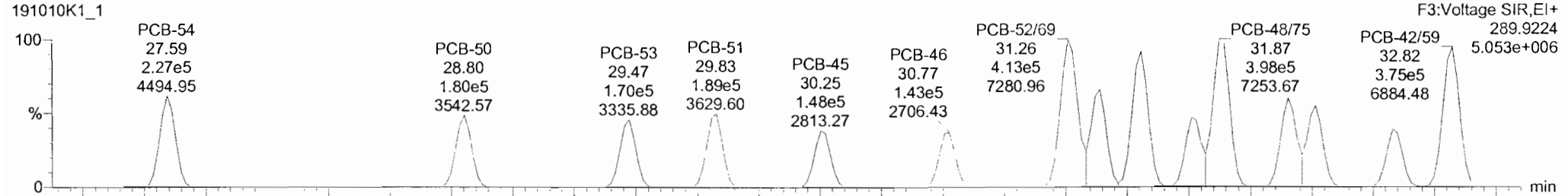


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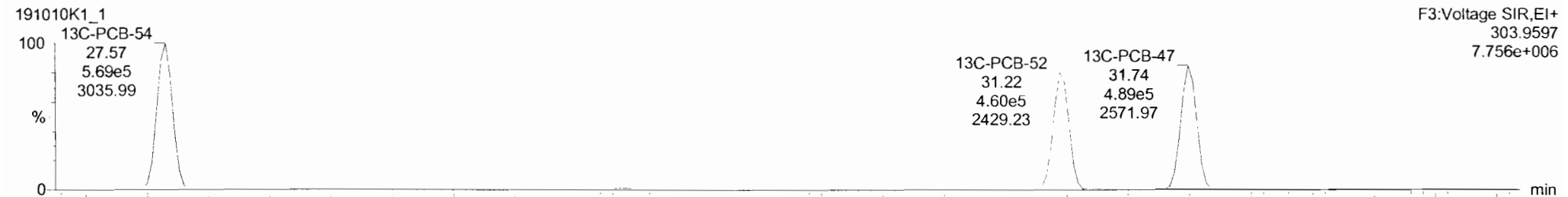
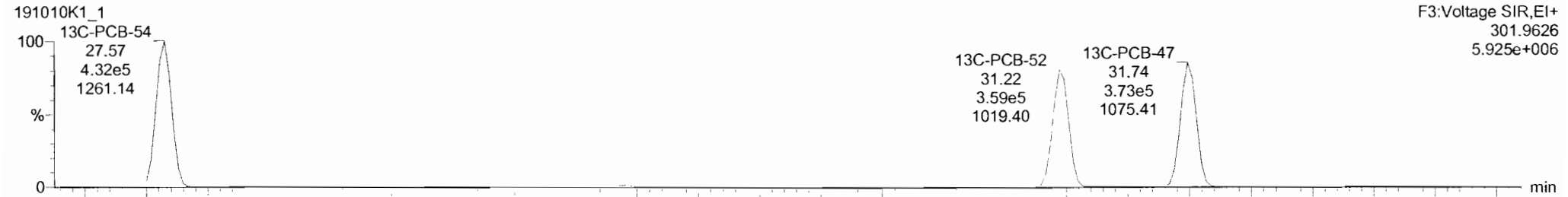
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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-50



13C-PCB-52

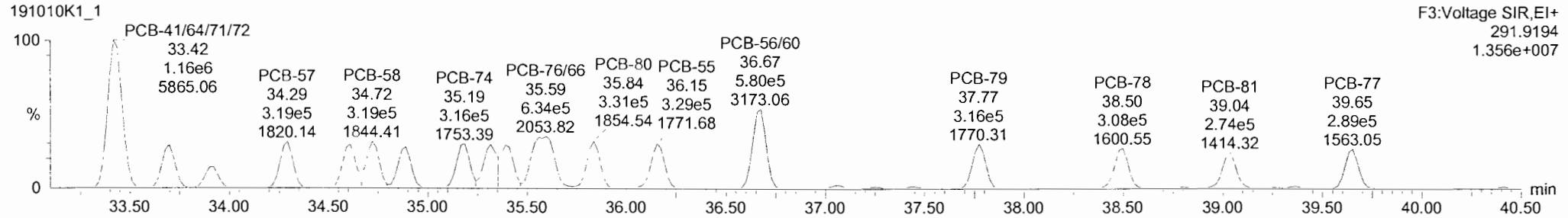
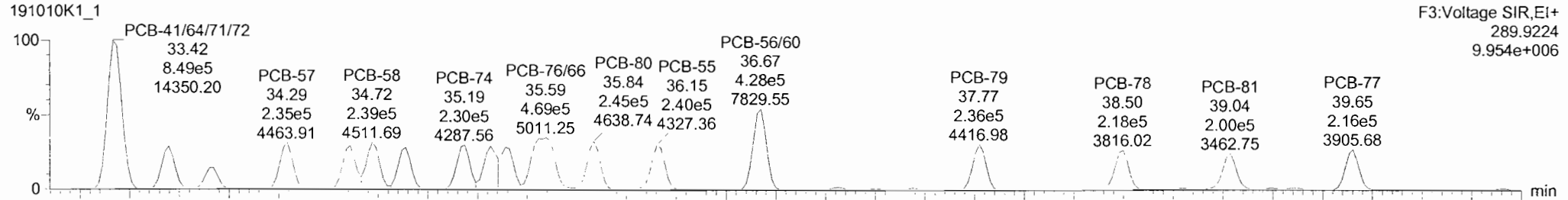


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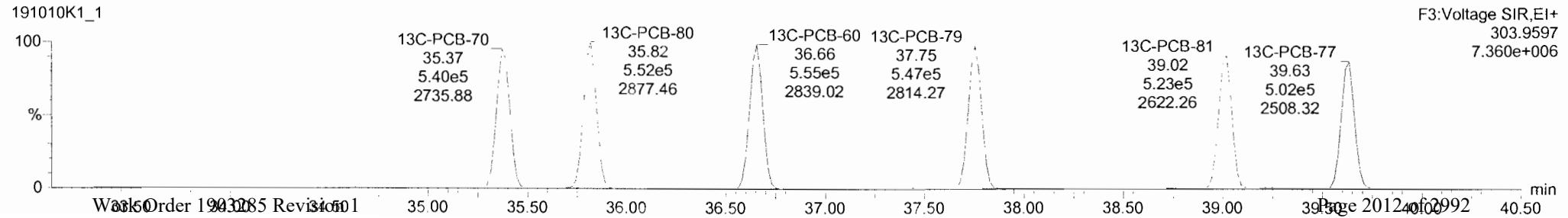
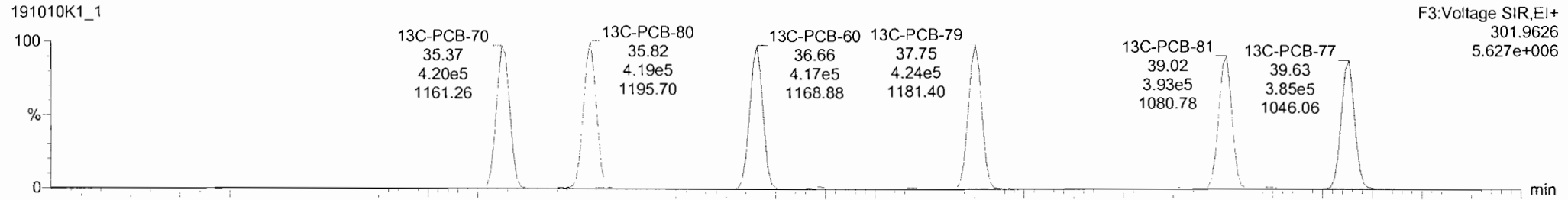
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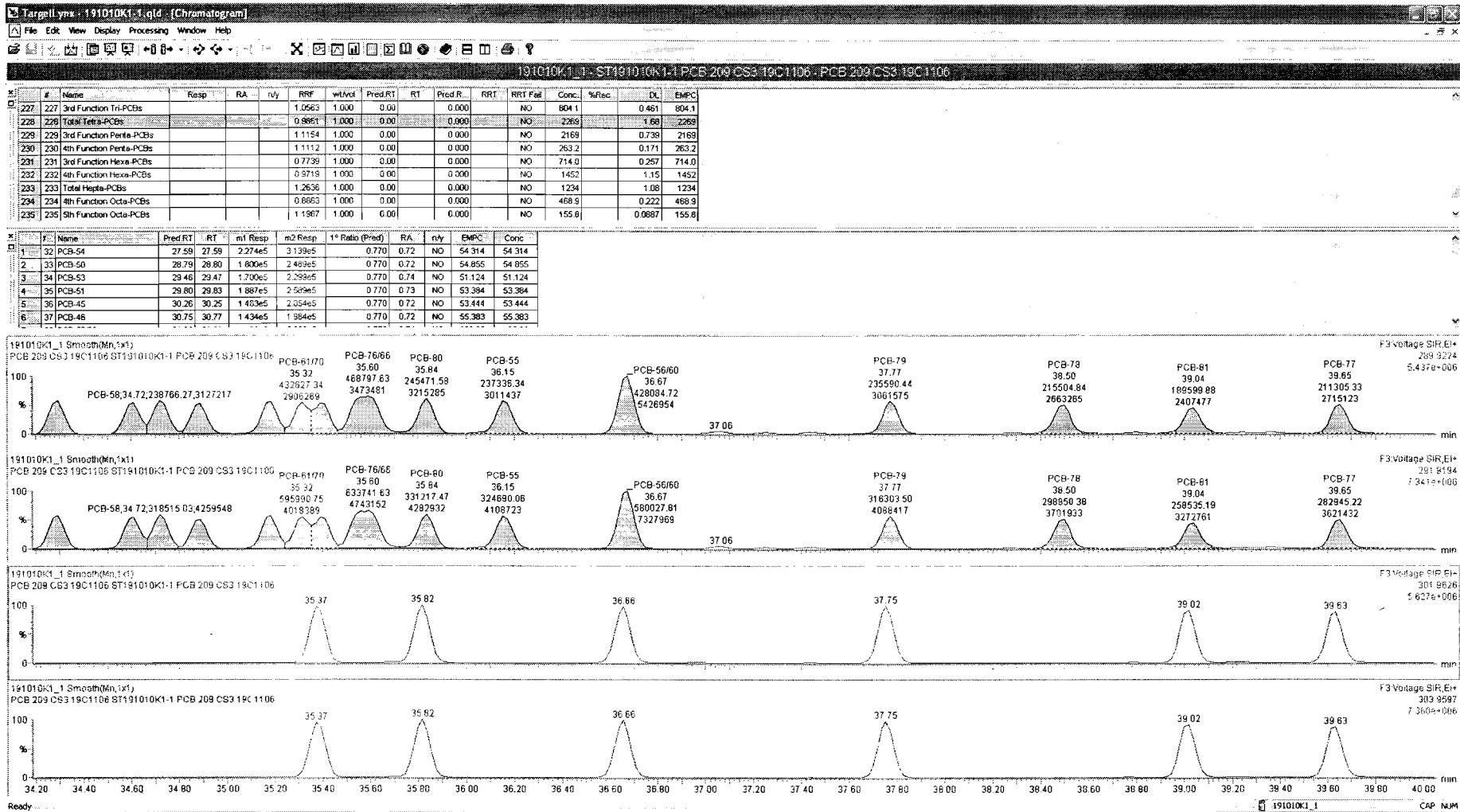
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PCB-68



13C-PCB-60





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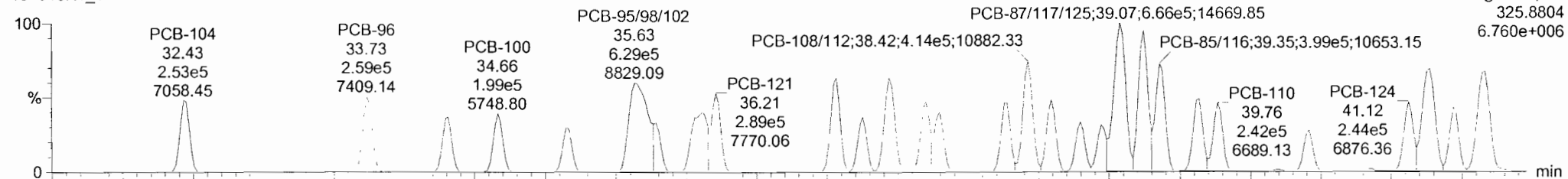
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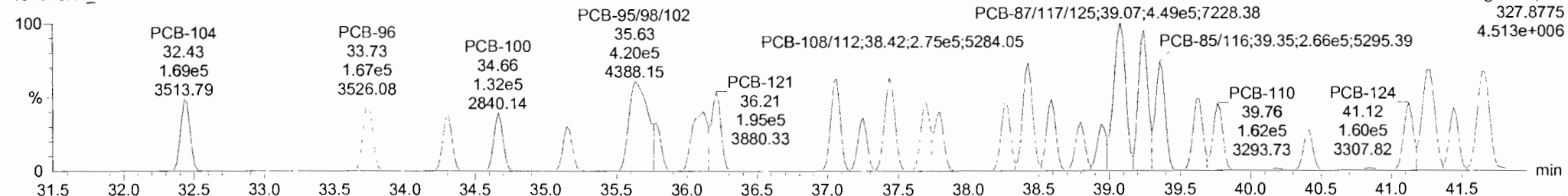
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PCB-104

191010K1_1

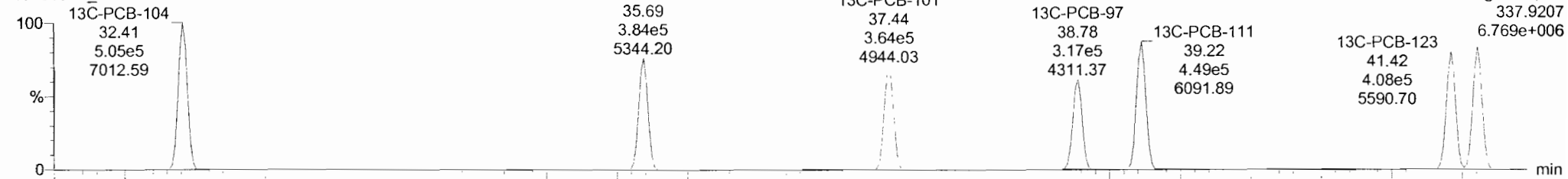


191010K1_1

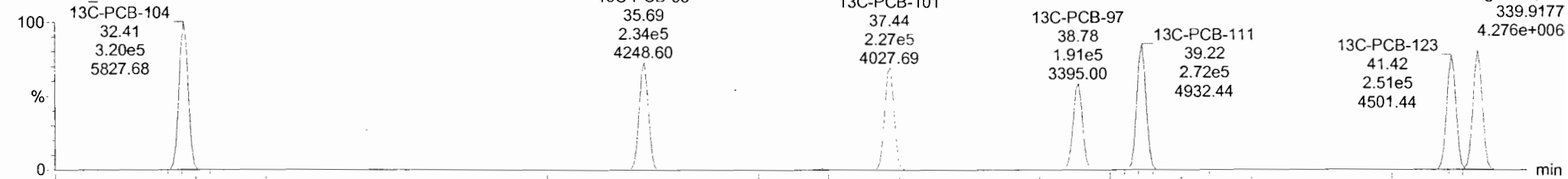


13C-PCB-104

191010K1_1



191010K1_1

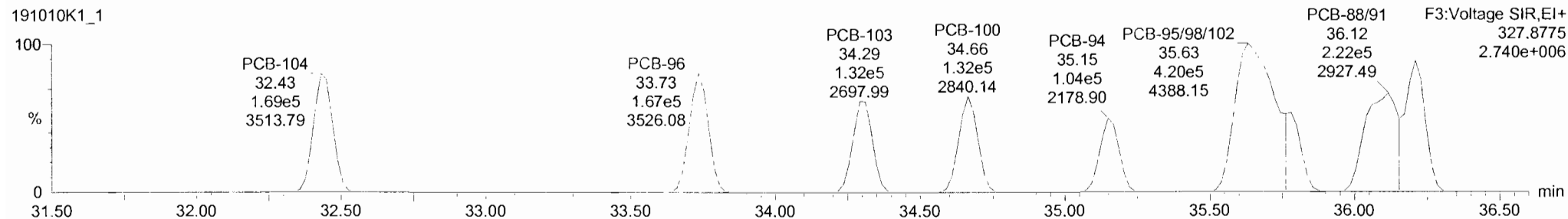
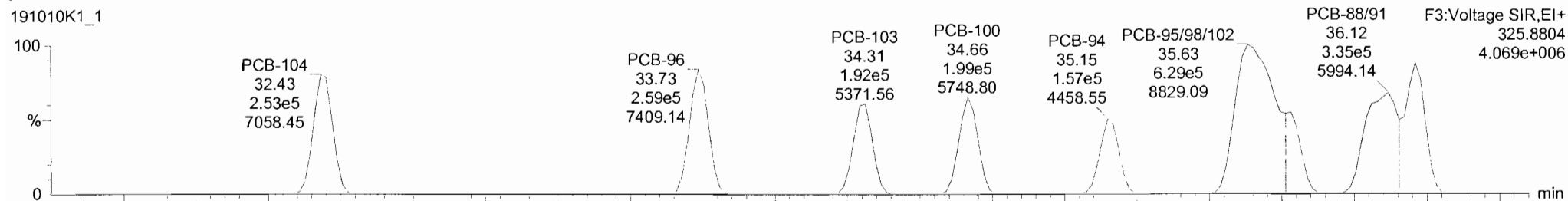


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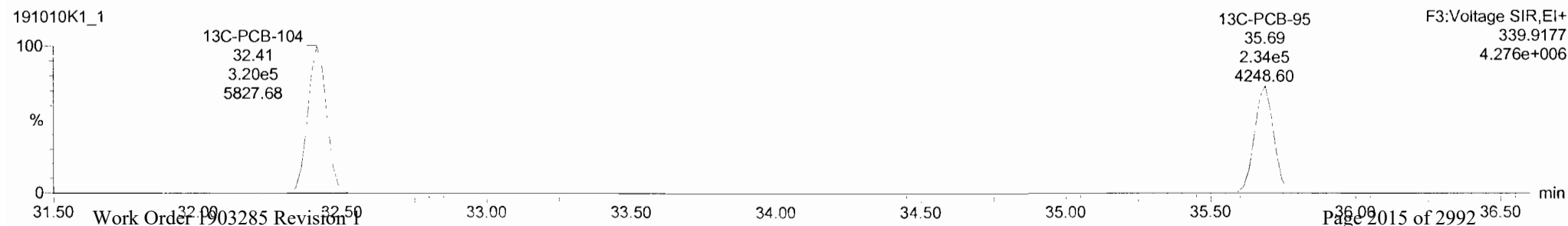
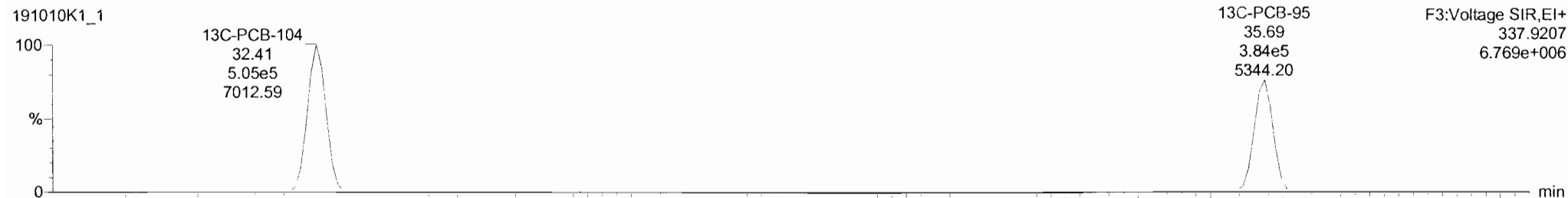
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Printed: Friday, October 11, 2019 08:12:54 Pacific Daylight Time

Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-96

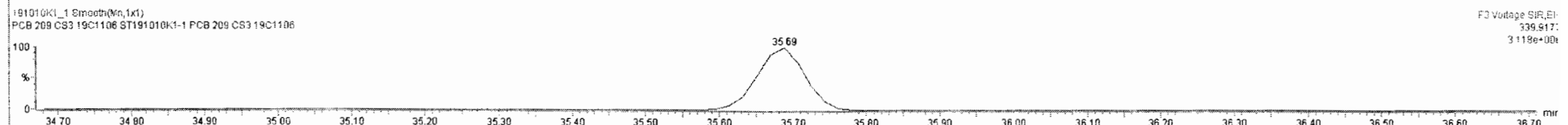
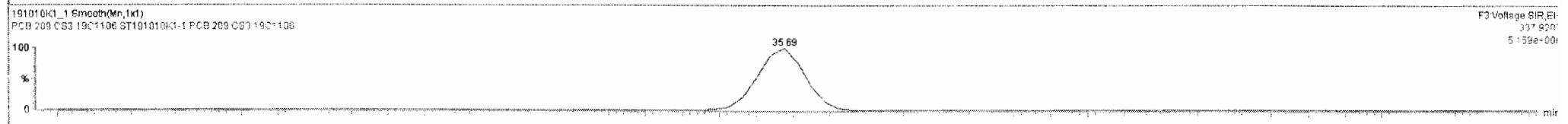
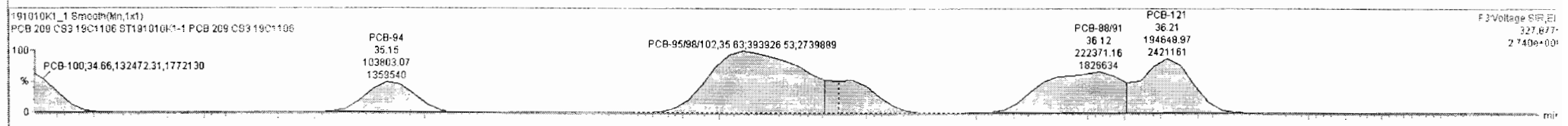
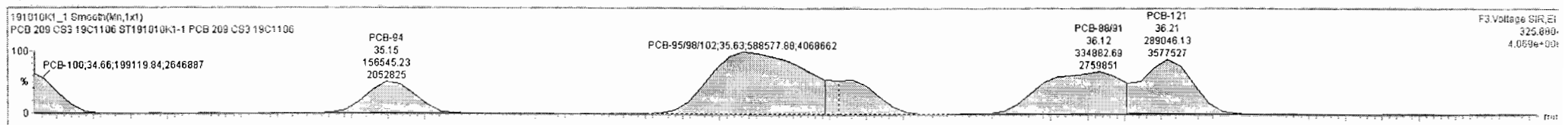


13C-PCB-95



#	Name	Resp	RA	n/y	RRT	wt/Vol	Pred RT	RT	Pred.R	RRT	RRT.Fac	Conc	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	804.1		0.461	804.1
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2269		1.68	2269
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2169		0.739	2169
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	263.2		0.171	263.2
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	714.0		0.257	714.0
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1452		1.15	1452
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1234		1.08	1234
234	234 4th Function Octa-PCBs				0.8963	1.000	0.00		0.000		NO	468.9		0.222	468.9
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	155.8		0.0887	155.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.43	32.43	2.528e5	1.690e5	1.560	1.50	NO	51.380	51.389
2	65 PCB-96	33.72	33.73	2.588e5	1.666e5	1.560	1.55	NO	51.741	51.741
3	66 PCB-103	34.29	34.31	1.921e5	1.318e5	1.560	1.46	NO	50.669	50.669
4	67 PCB-100	34.66	34.66	1.991e5	1.325e5	1.560	1.50	NO	51.650	51.650
5	68 PCB-94	35.17	35.15	1.565e5	1.038e5	1.560	1.51	NO	54.429	54.429
6	69 PCB-95/98/102	35.64	35.63	5.886e5	3.939e5	1.560	1.49	NO	156.57	156.57



Dataset: Untitled

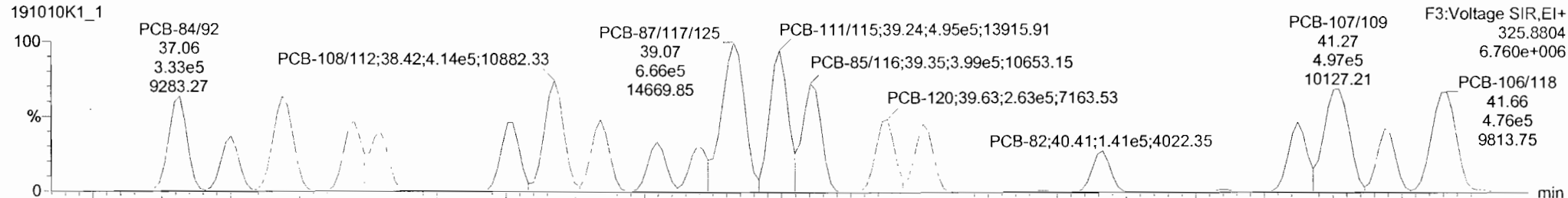
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Printed: Friday, October 11, 2019 08:12:54 Pacific Daylight Time

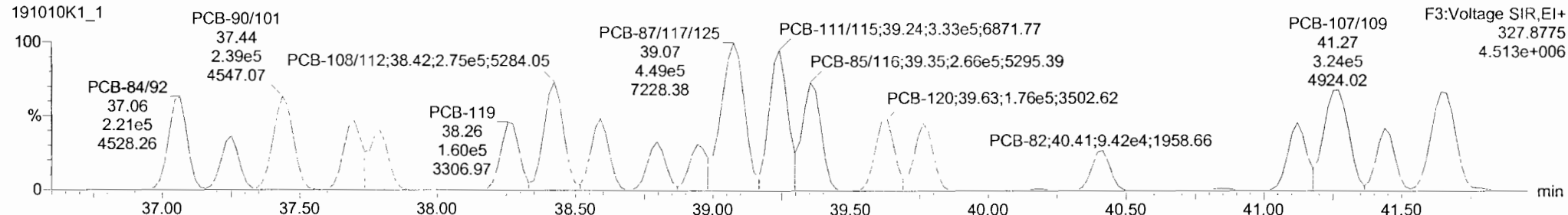
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PCB-119

191010K1_1

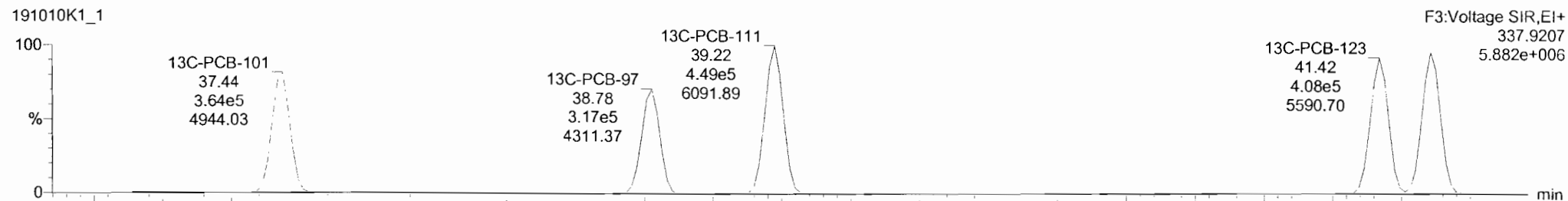


191010K1_1

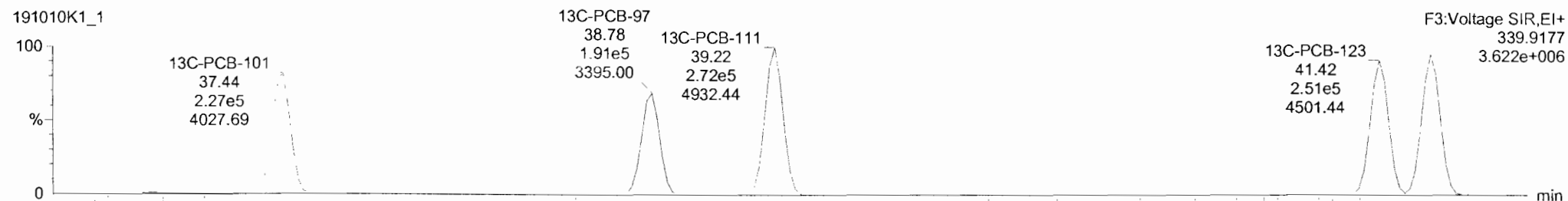


13C-PCB-111

191010K1_1

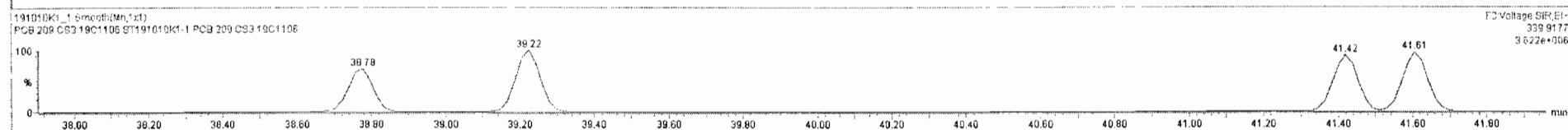
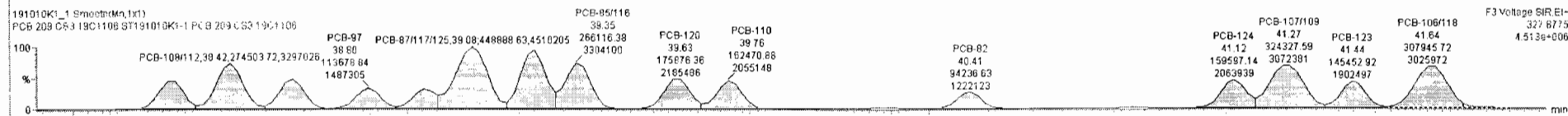
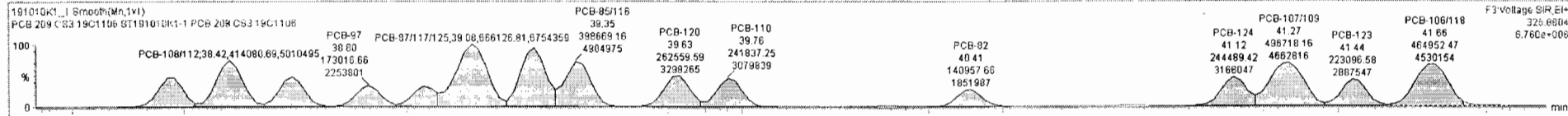


191010K1_1



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	804.1		0.461	804.1
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2.269		1.68	2.269
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2.169		0.739	2.169
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	263.2		0.171	263.2
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	714.0		0.257	714.0
232	4th Function Hexa-PCBs				0.9713	1.000	0.00		0.000		NO	1452		1.15	1452
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1234		1.08	1234
234	4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	468.9		0.222	468.9
235	5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	155.8		0.0887	155.8

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1:1 Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.43	32.43	2.529e5	1.690e5	1.560	1.50	NO	51.380	51.380
65	PCB-96	33.72	33.72	2.589e5	1.686e5	1.560	1.55	NO	51.741	51.741
66	PCB-103	34.29	34.31	1.921e5	1.318e5	1.590	1.46	NO	50.968	50.689
67	PCB-100	34.66	34.66	1.991e5	1.329e5	1.560	1.50	NO	51.650	51.650
68	PCB-94	35.17	35.15	1.565e5	1.039e5	1.560	1.51	NO	54.429	54.429
69	PCB-95/89/02	35.64	35.63	5.886e5	3.939e5	1.560	1.49	NO	156.57	156.57

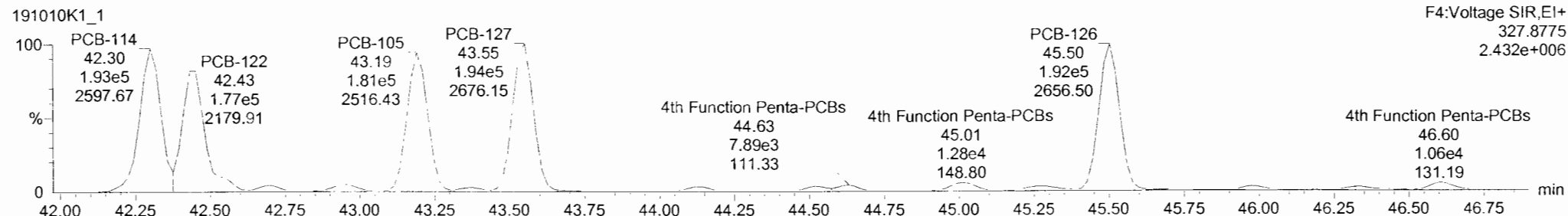
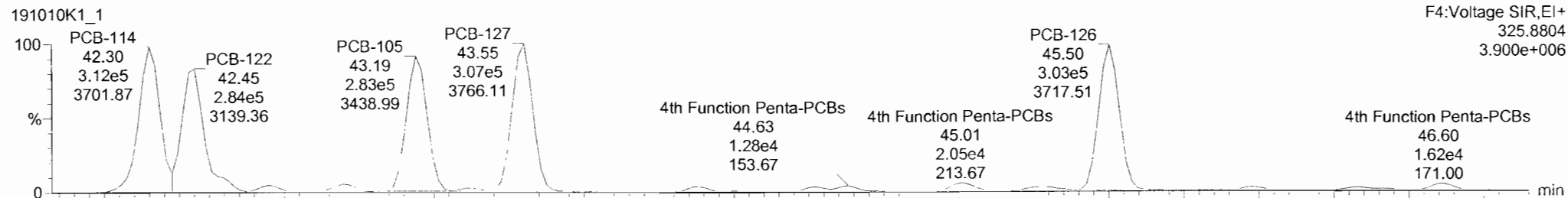


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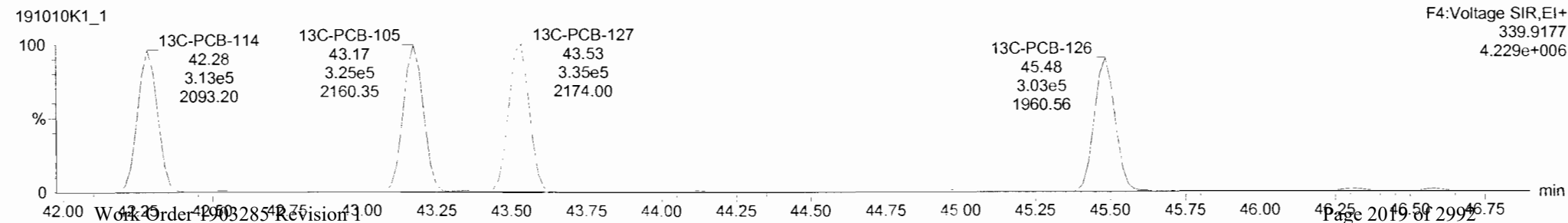
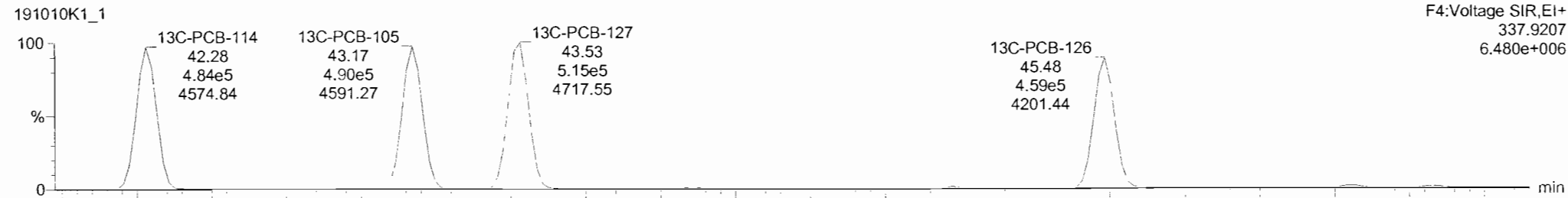
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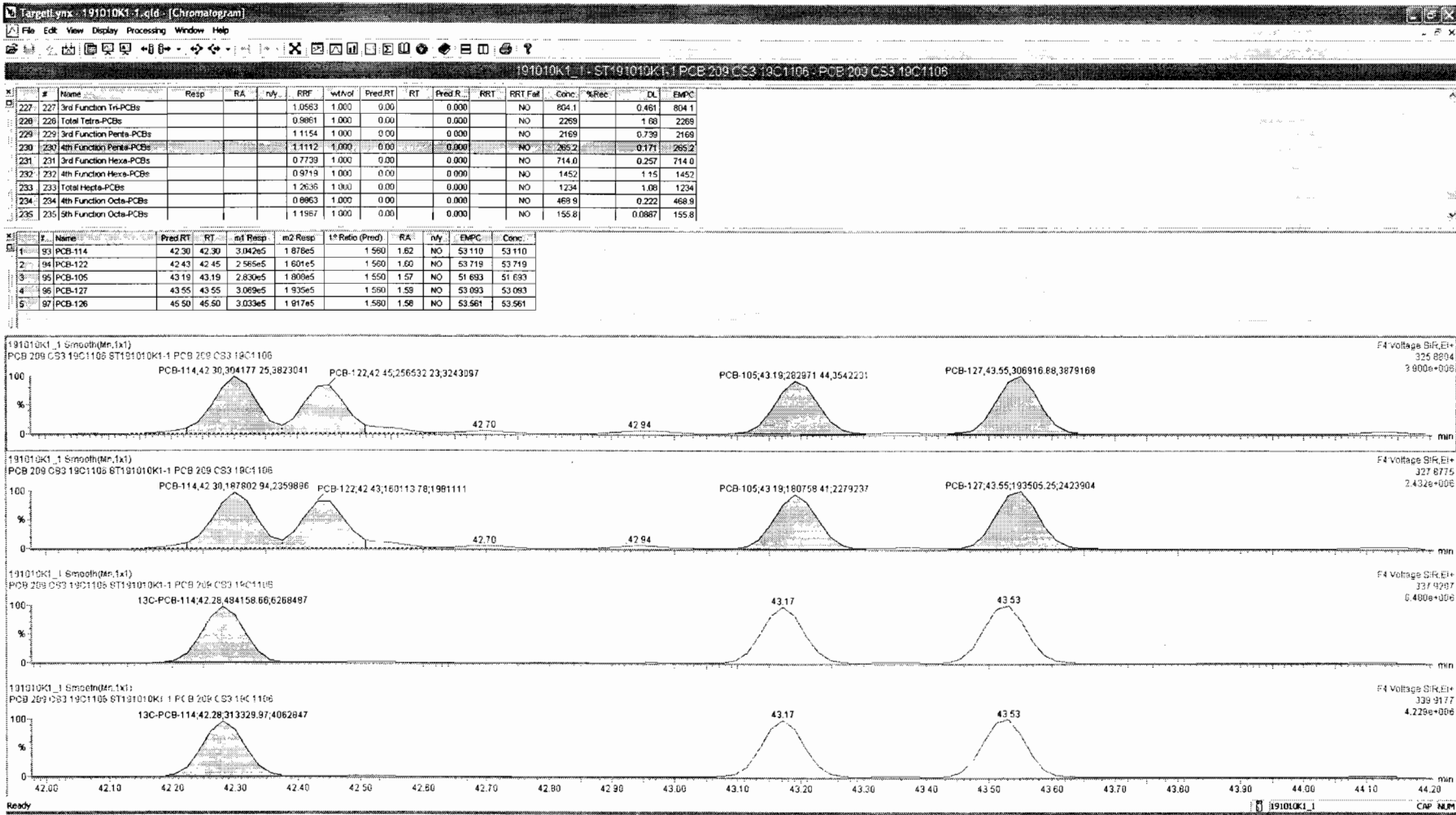
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PCB-114



13C-PCB-114



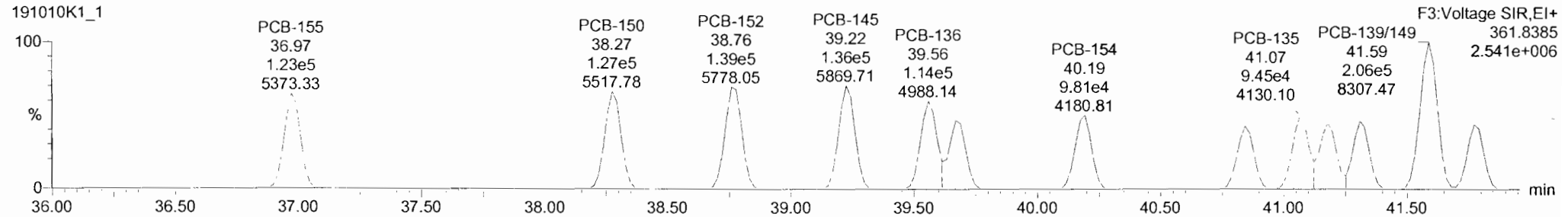
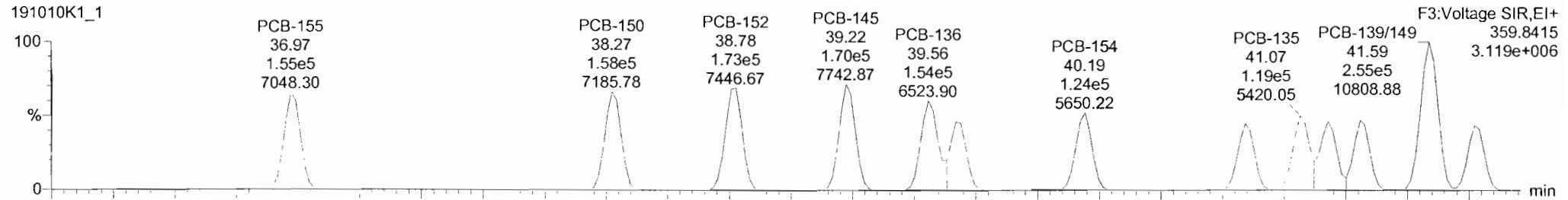


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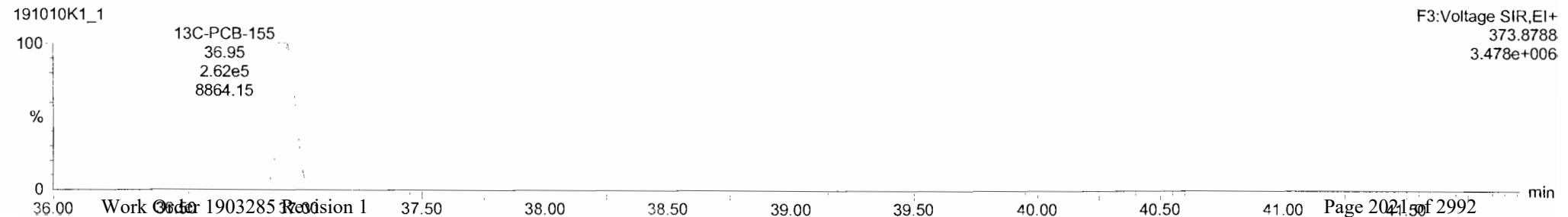
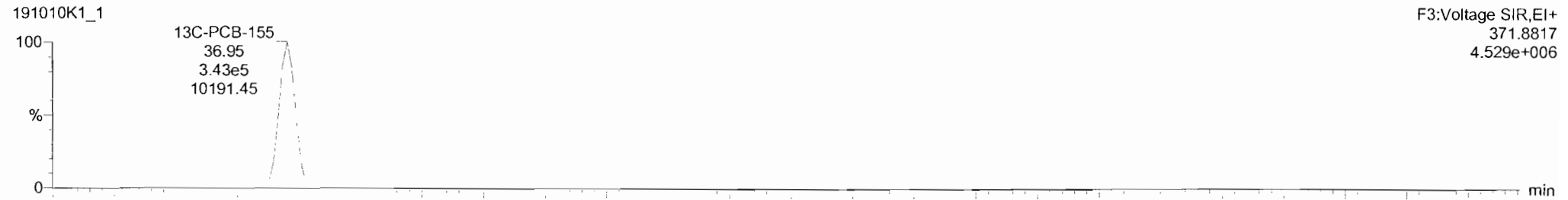
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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-155



13C-PCB-155

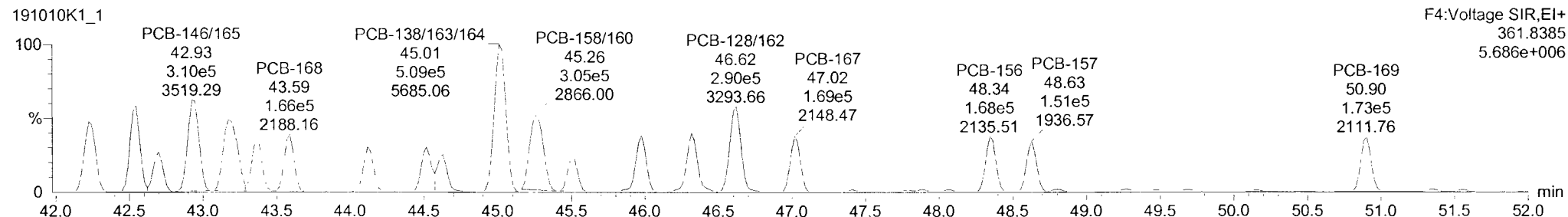
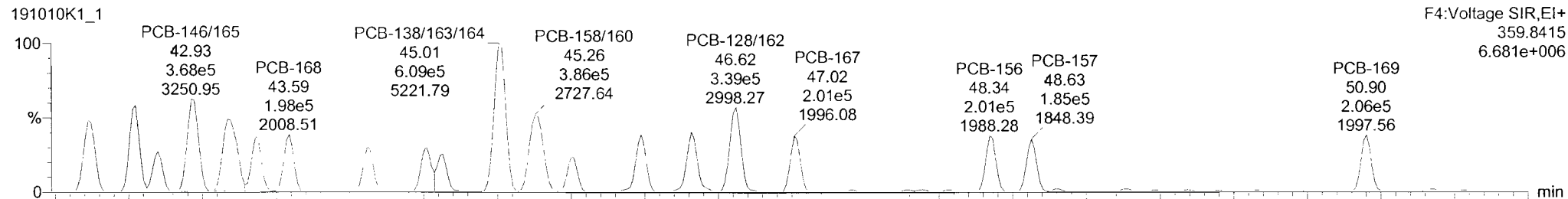


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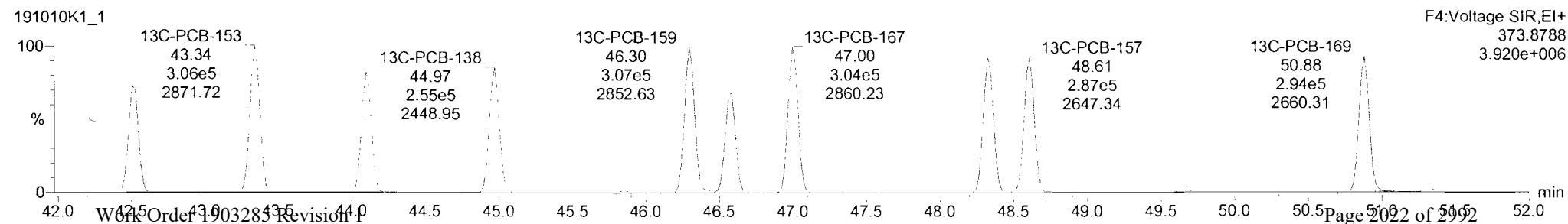
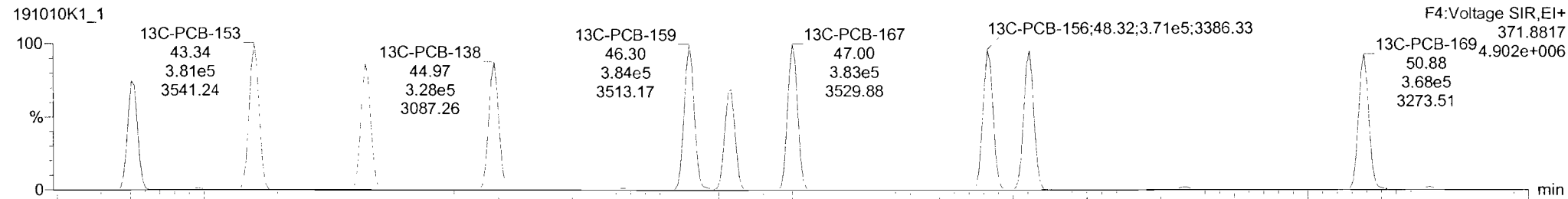
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Name: 191010K1_1, Date: 10-Oct-2019, Time: 15:30:52, ID: ST191010K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143

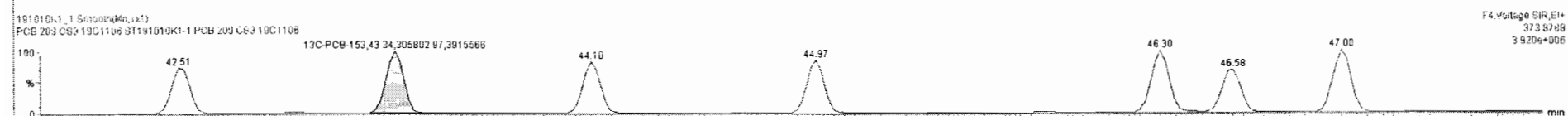
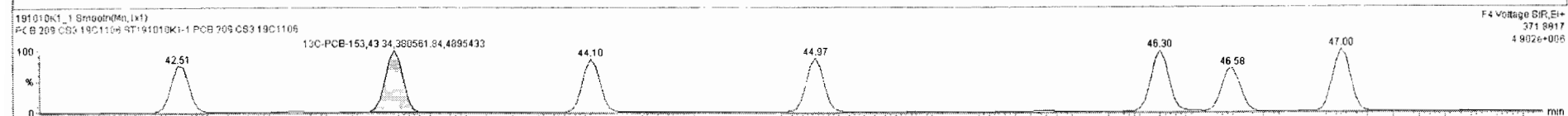
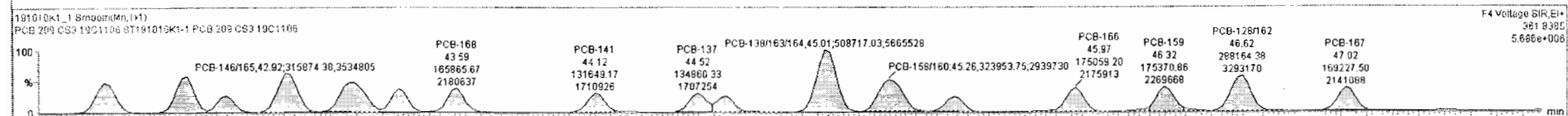
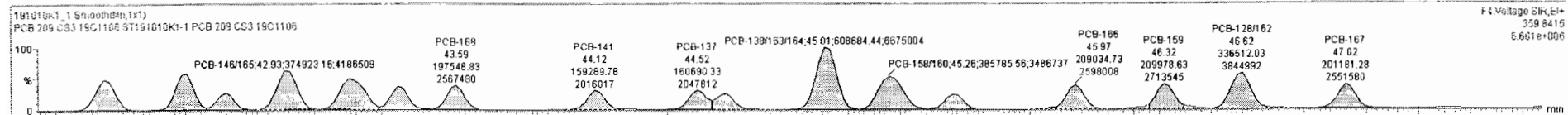


13C-PCB-153



#	Name	Resp	RA	n/y	RF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	804.1		0.461	804.1
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2269		1.68	2269
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2169		0.739	2169
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	265.2		0.171	265.2
231	231 3rd Function Hexa-PCBs				0.7736	1.000	0.00		0.000		NO	714.0		0.257	714.0
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1455		1.115	1455
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1234		1.08	1234
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	469.9		0.222	469.9
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	155.8		0.0867	155.8

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-134/143	42.25	42.22	2.893e5	2.409e5	1.240	1.20	NO	105.34	105.34
2	PCB-131/133	42.54	42.55	3.096e5	2.596e5	1.240	1.19	NO	104.95	104.95
3	PCB-142	42.69	42.70	1.381e5	1.162e5	1.240	1.19	NO	52.322	52.322
4	PCB-146/165	42.34	42.93	3.749e5	3.159e5	1.240	1.19	NO	104.90	104.90
5	PCB-132/161	43.18	43.17	3.705e5	3.135e5	1.240	1.18	NO	102.28	102.28
6	PCB-153	43.36	43.36	1.933e5	1.604e5	1.240	1.21	NO	50.925	50.925



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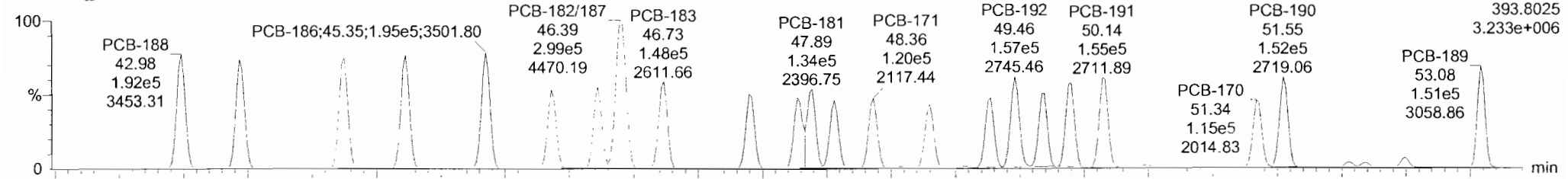
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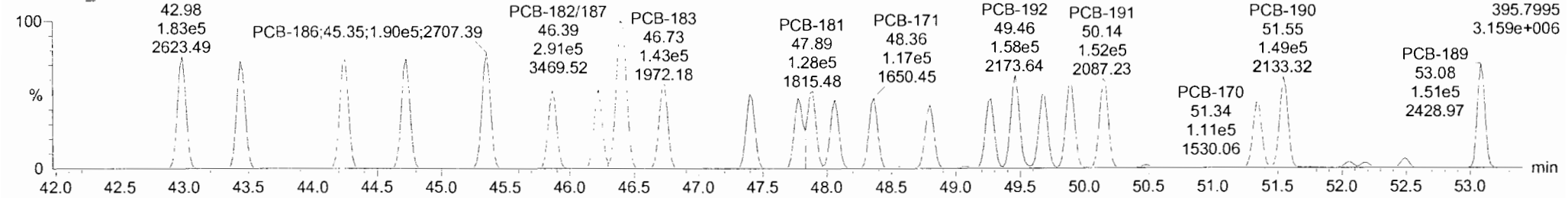
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PCB-188

191010K1_1

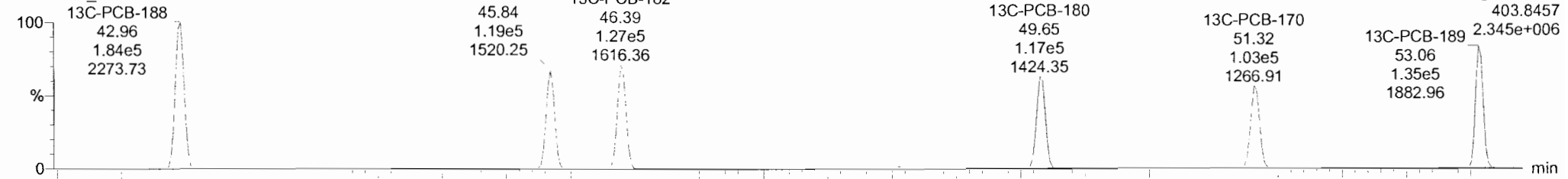


191010K1_1

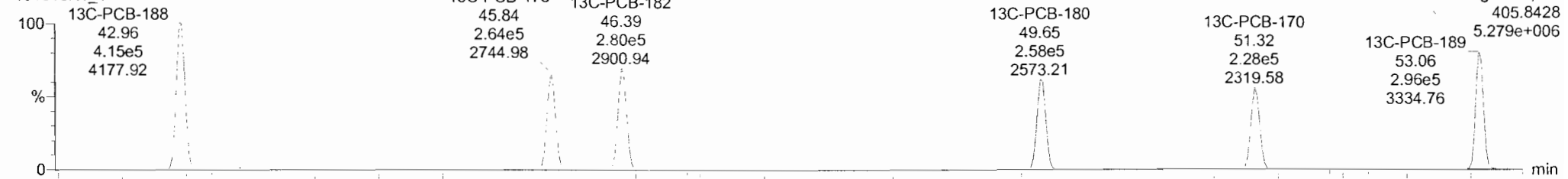


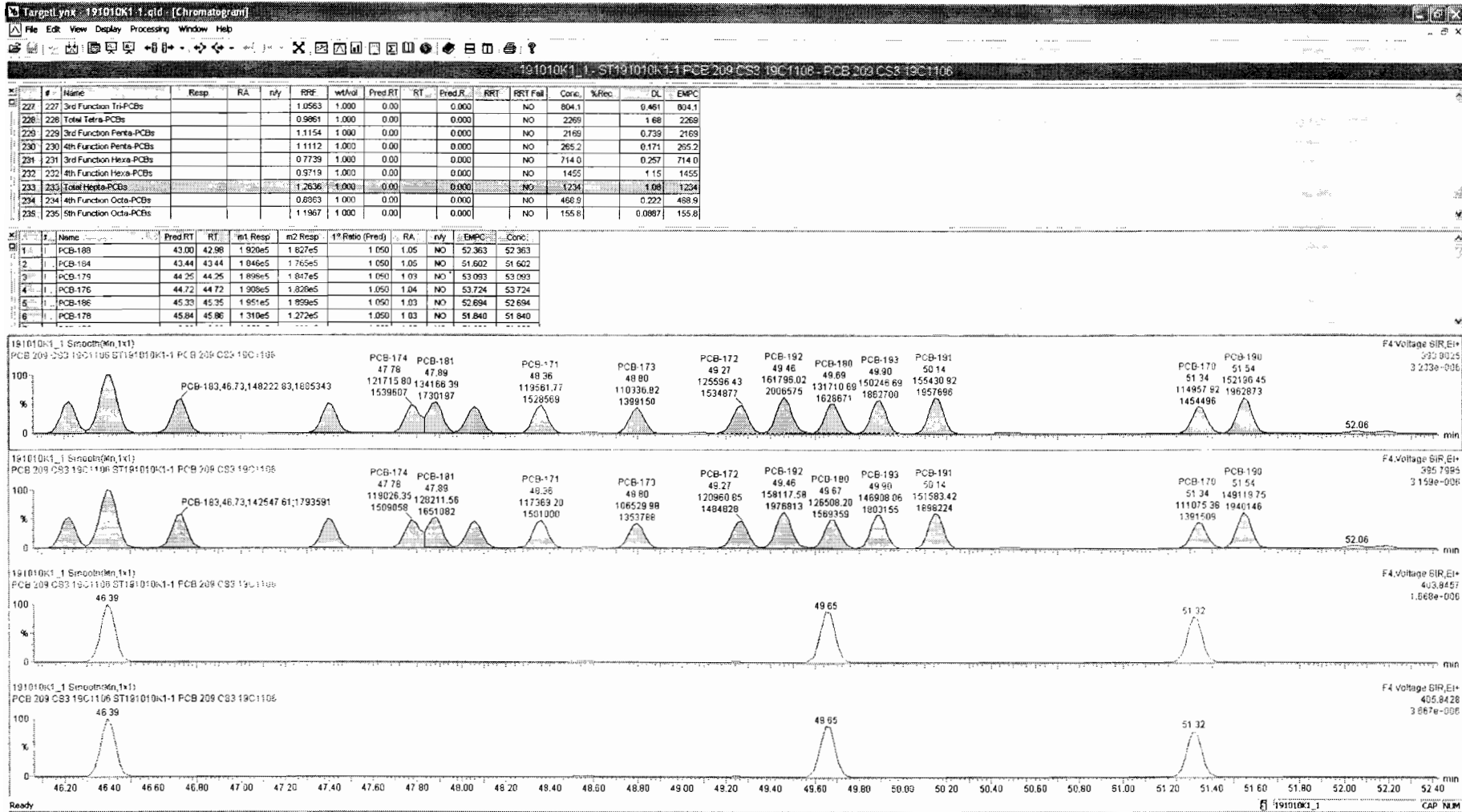
13C-PCB-188

191010K1_1



191010K1_1





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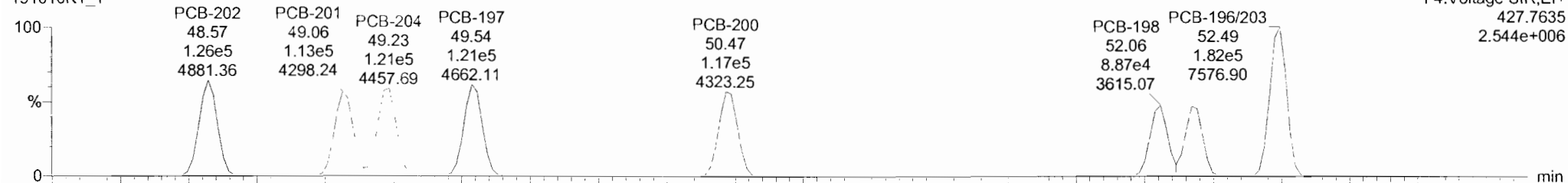
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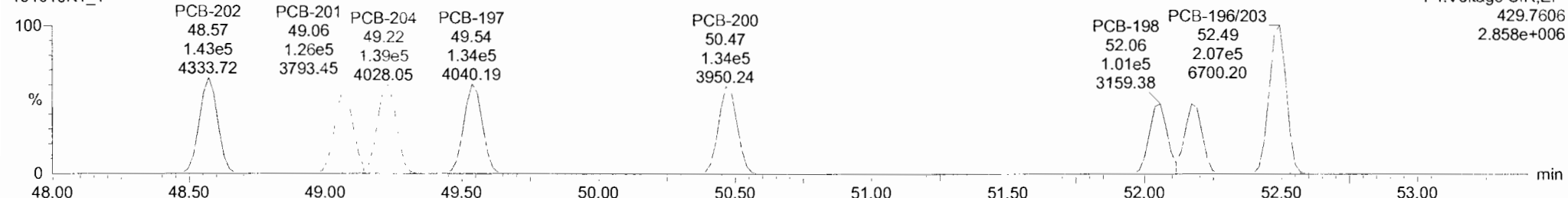
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PCB-202

191010K1_1

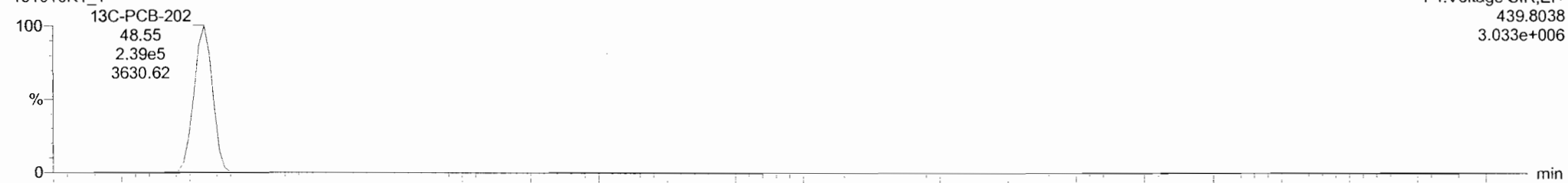


191010K1_1

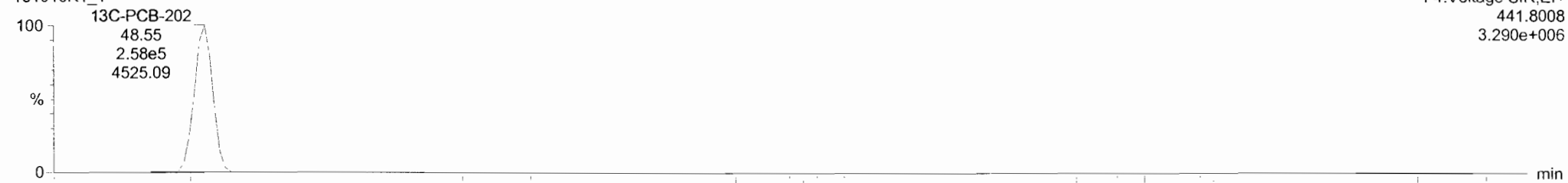


13C-PCB-202

191010K1_1



191010K1_1



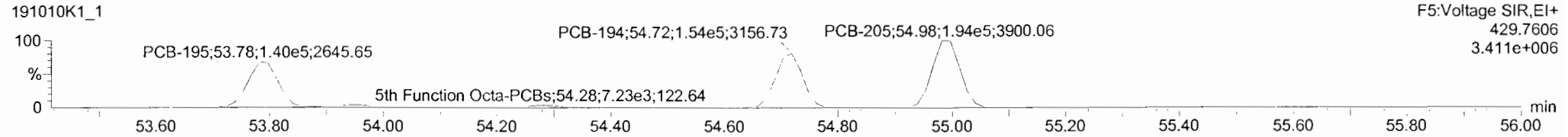
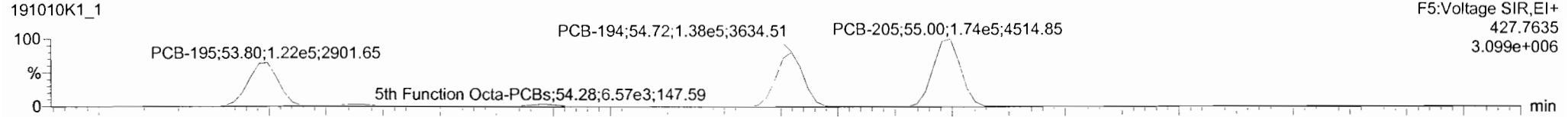
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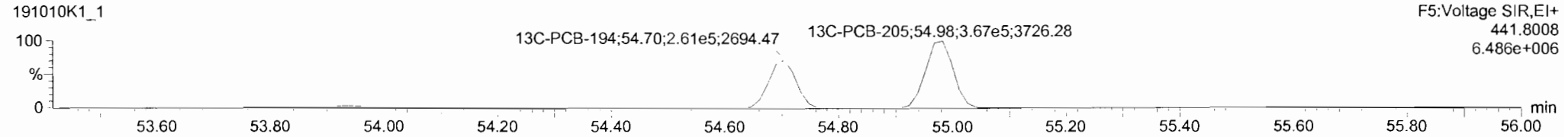
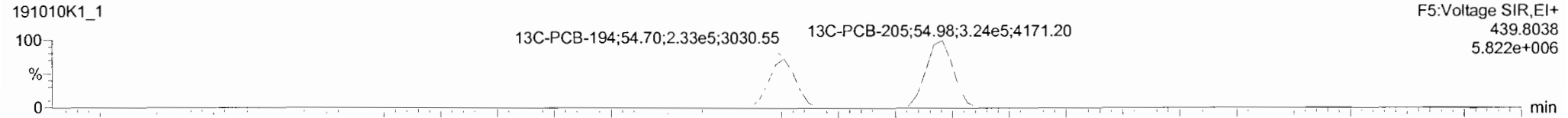
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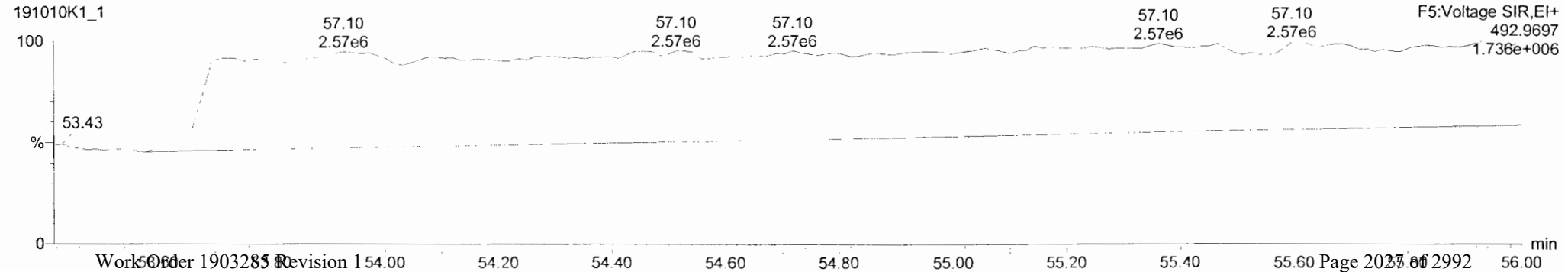
PCB-195



13C-PCB-194



PFK5

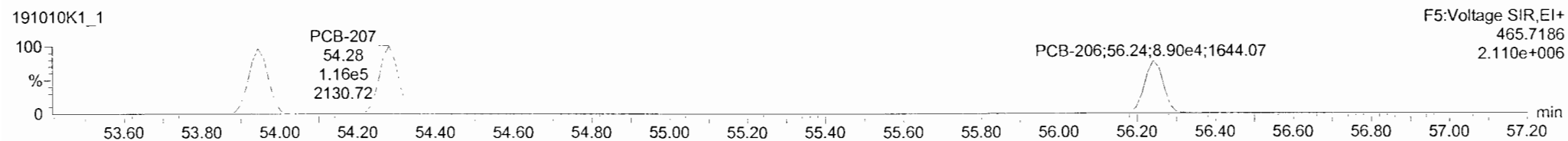
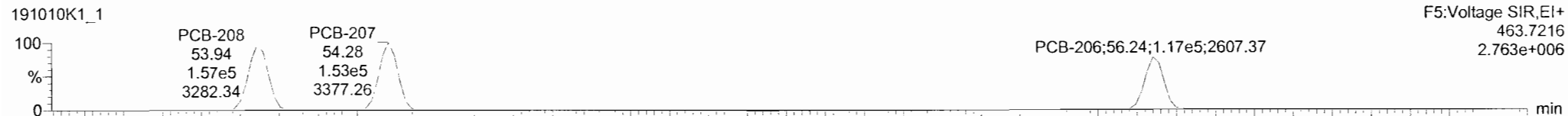


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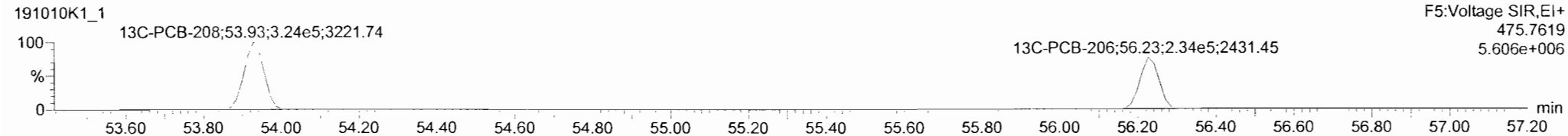
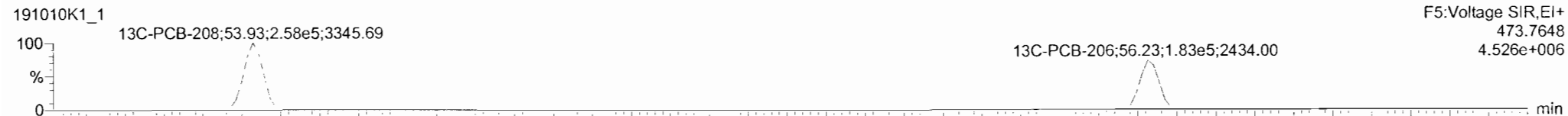
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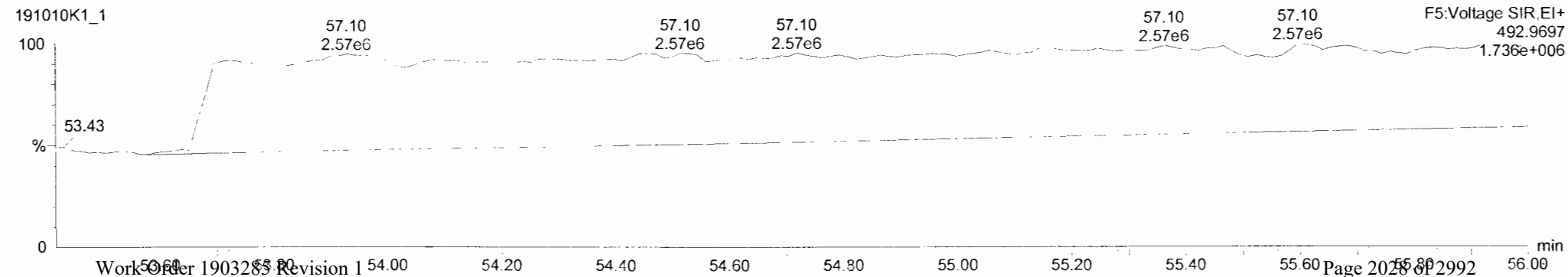
PCB-208



13C-PCB-208



PFK5



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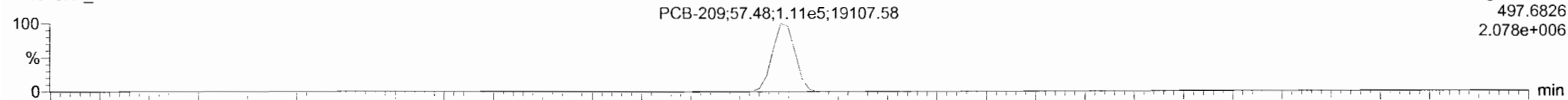
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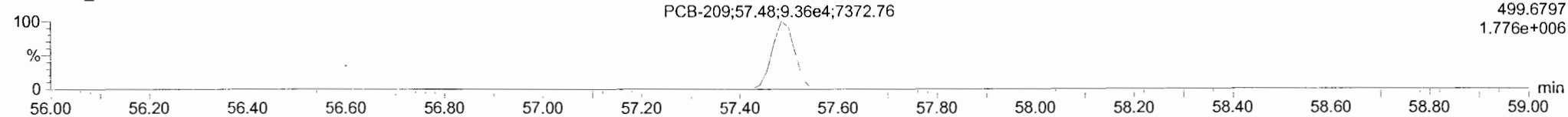
PCB-209

191010K1_1



F5:Voltage SIR,EI+
497.6826
2.078e+006

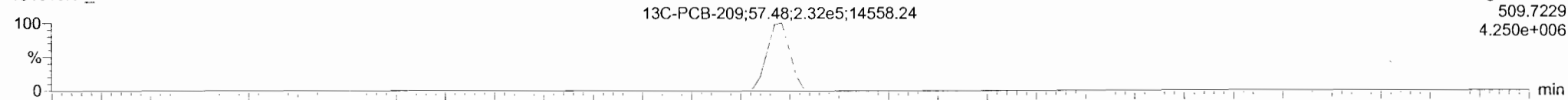
191010K1_1



F5:Voltage SIR,EI+
499.6797
1.776e+006

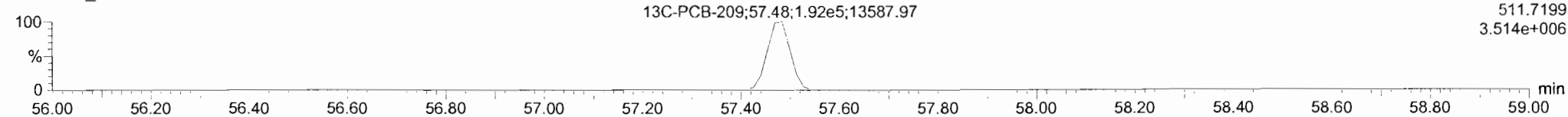
13C-PCB-209

191010K1_1



F5:Voltage SIR,EI+
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4.250e+006

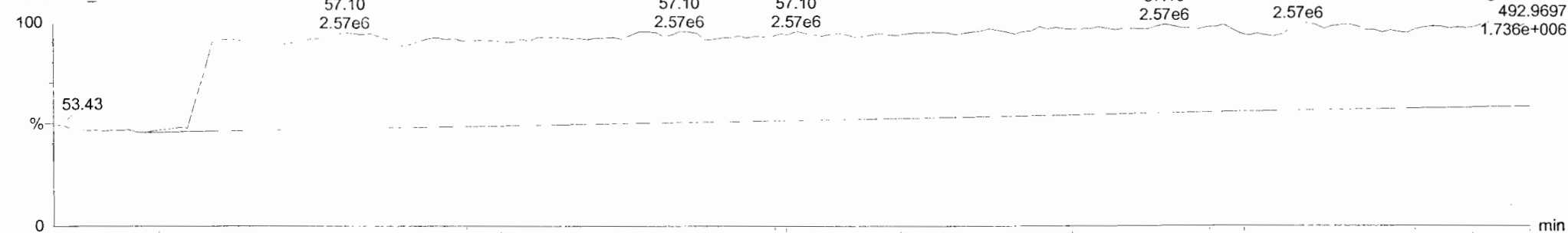
191010K1_1



F5:Voltage SIR,EI+
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PFK5

191010K1_1



F5:Voltage SIR,EI+
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1.736e+006

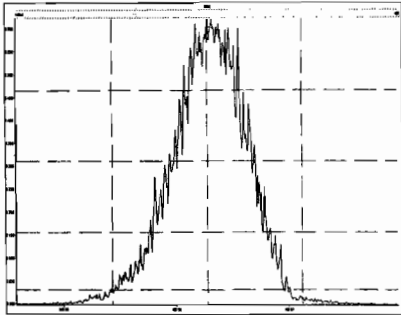
Resolution Check Report

MassLynx 4.1 SCN815

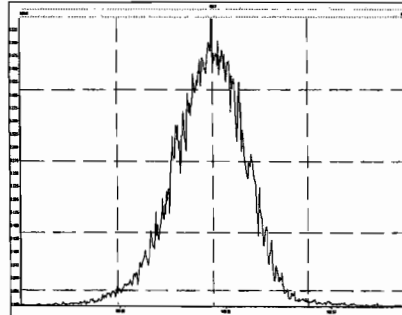
Printed: Friday, October 11, 2019 03:04:49 Pacific Daylight Time

PK diam
(A) did not centroid
(B) column bleed

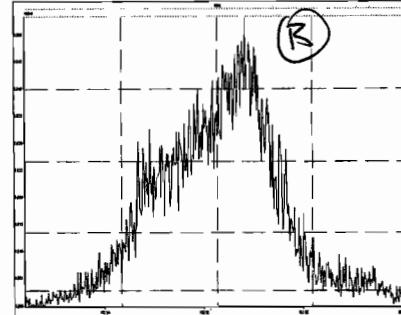
M 168.9888 R 11261



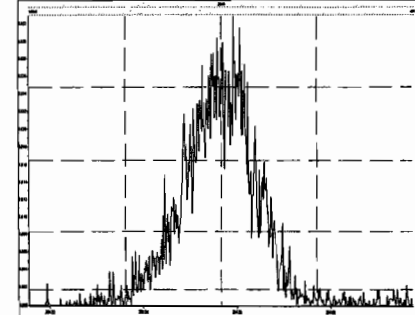
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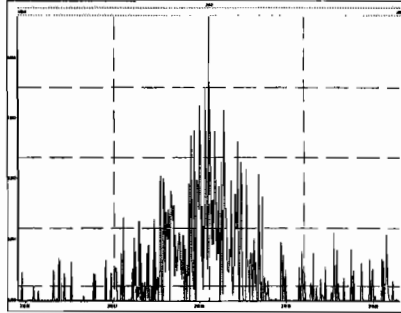
M 192.9888 R 7383



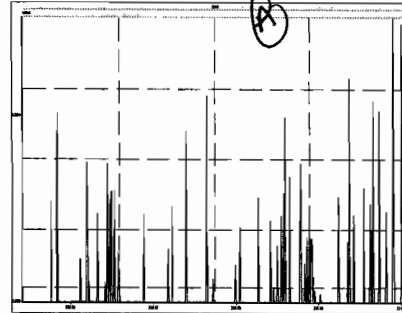
M 204.9888 R 12723



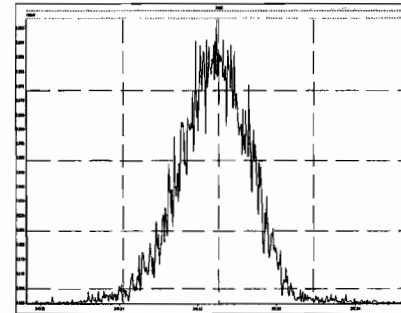
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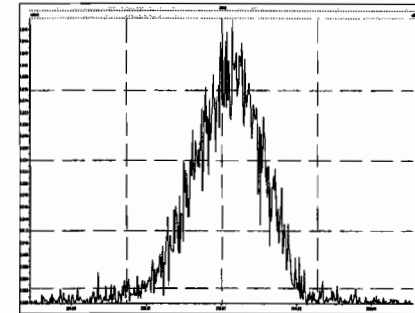
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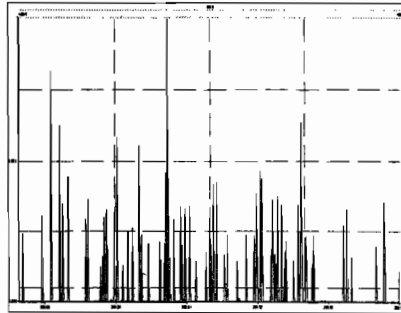
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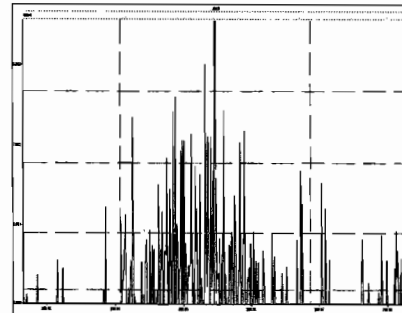
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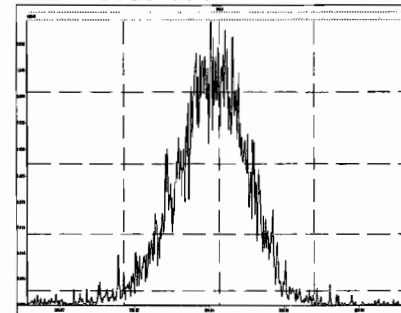
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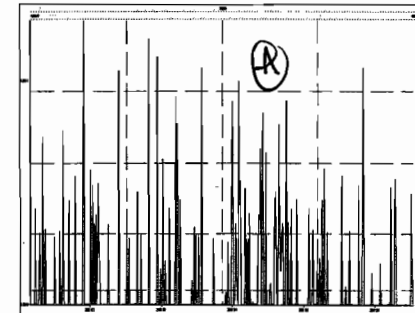
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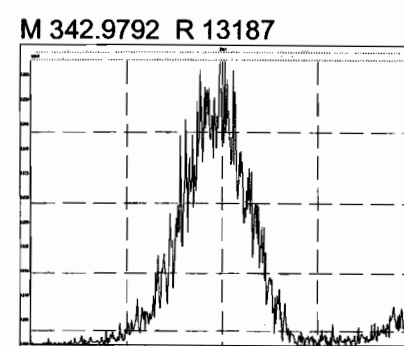
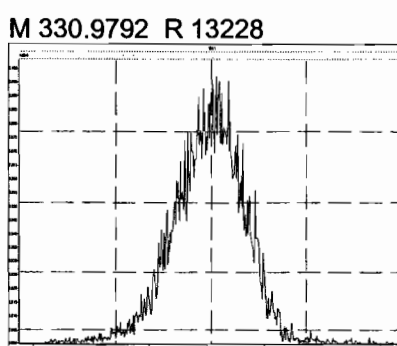
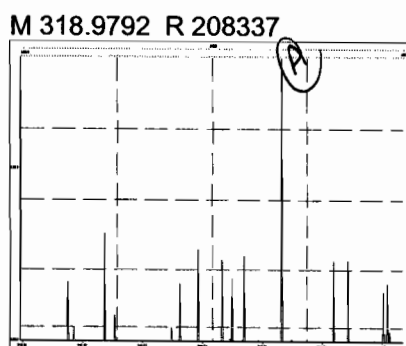
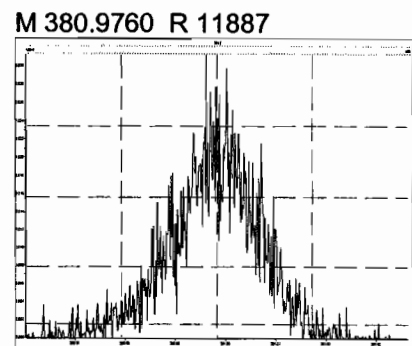
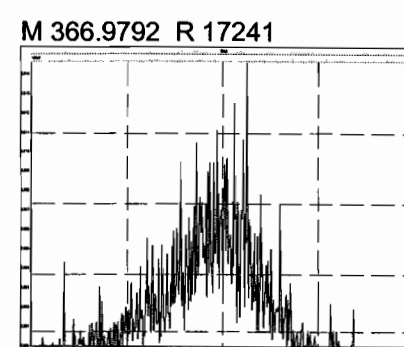
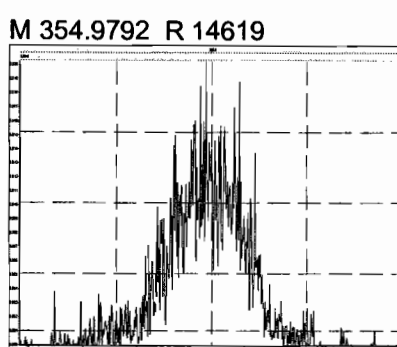
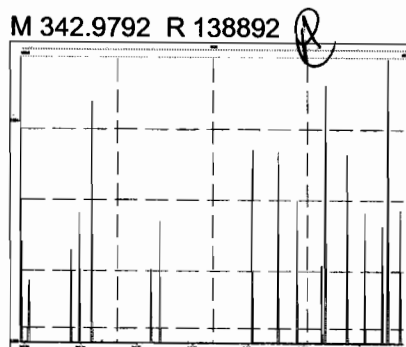
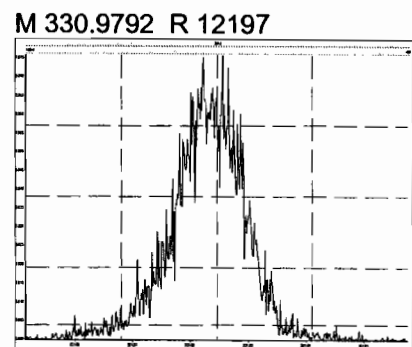
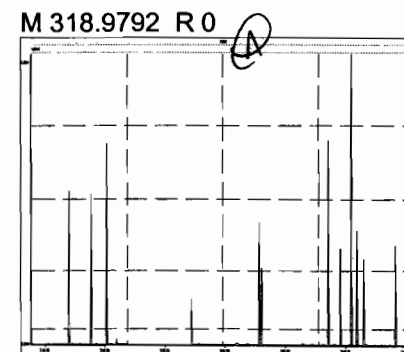
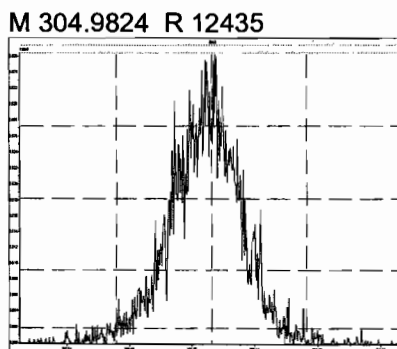
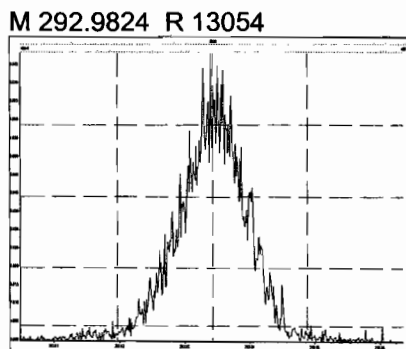
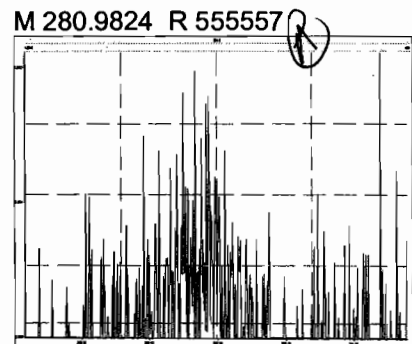


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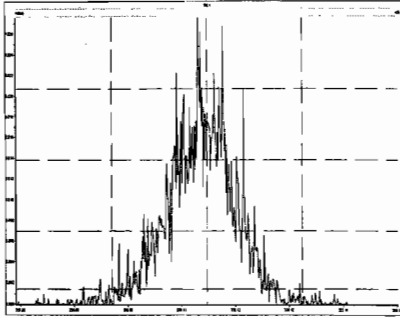
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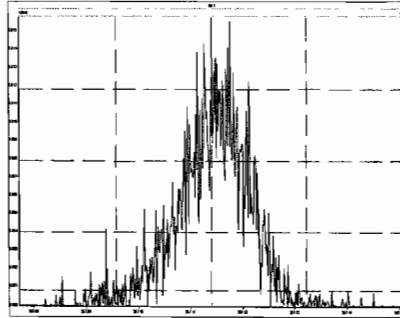


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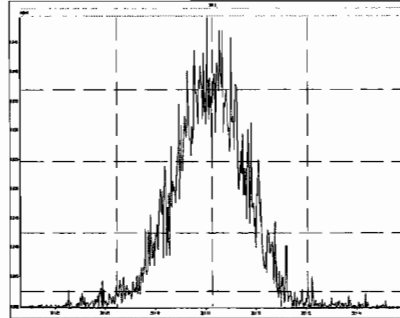
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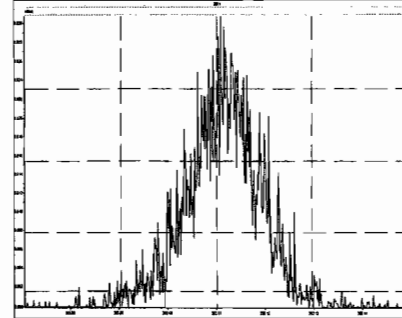
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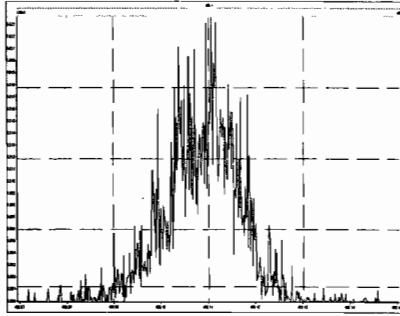
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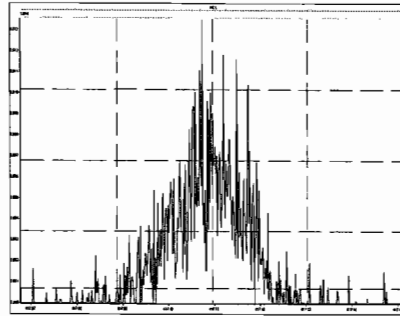
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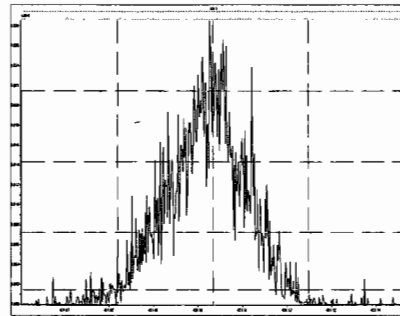
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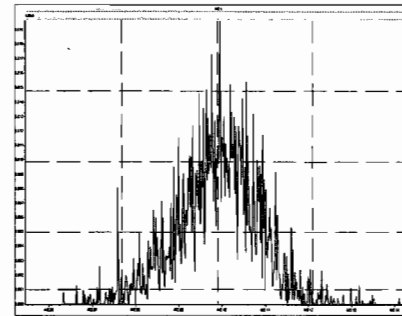
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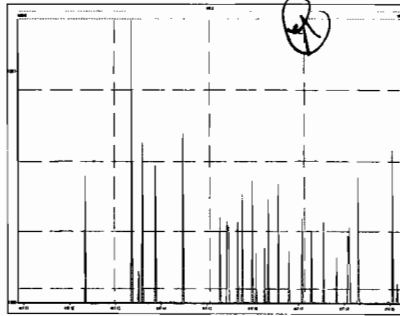
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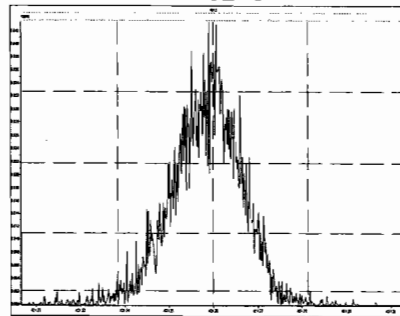
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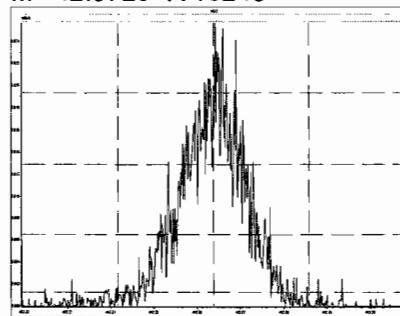
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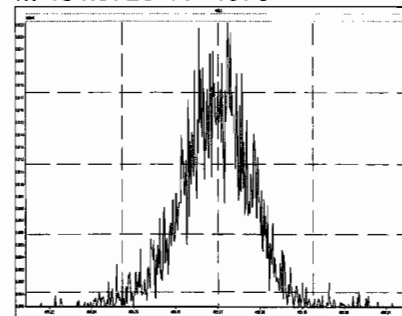
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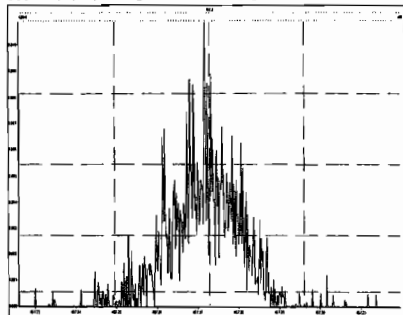


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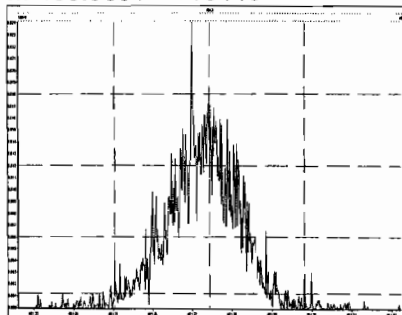


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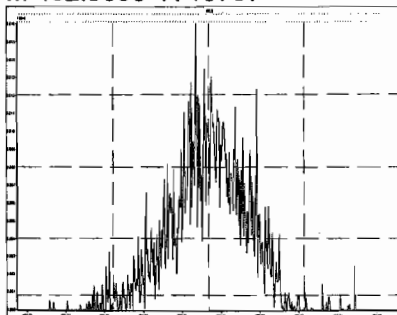
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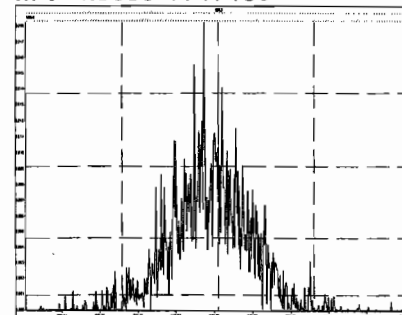
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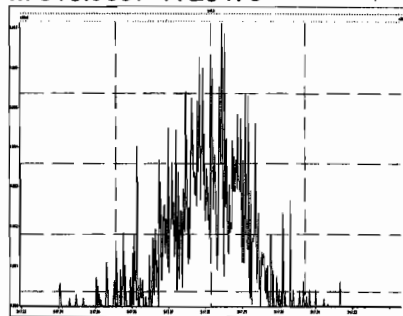
M 492.9696 R 16797



M 504.9696 R 17183



M 516.9697 R 26479



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

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Printed: Friday, October 11, 2019 16:02:54 Pacific Daylight Time

HL 10-11-19

EL 10-11-19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

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1	1 PCB-1	1.08e6	3.10	NO	1.02	1.000	15.51	15.52	1.001	1.002	NO	58.25	116	0.00665	58.25
2	2 PCB-2	1.09e6	3.06	NO	1.01	1.000	17.93	17.92	0.988	0.988	NO	57.19	114	0.00683	57.20
3	3 PCB-3	1.11e6	3.07	NO	1.01	1.000	18.16	18.16	1.001	1.001	NO	58.17	116	0.00684	58.17
4	4 PCB-4/10	1.77e6	1.56	NO	1.28	1.000	19.58	19.57	1.004	1.004	NO	102.1	102	0.0258	102.1
5	5 PCB-7/9	2.09e6	1.55	NO	0.976	1.000	21.37	21.35	1.003	1.002	NO	102.5	102	0.0229	102.5
6	6 PCB-6	1.07e6	1.55	NO	1.02	1.000	22.02	22.02	1.033	1.033	NO	50.66	101	0.0220	50.66
7	7 PCB-5/8	2.12e6	1.56	NO	1.01	1.000	22.43	22.44	1.052	1.053	NO	100.6	101	0.0221	100.6
8	8 PCB-14	1.10e6	1.58	NO	1.03	1.000	23.58	23.57	0.952	0.952	NO	52.19	104	0.0229	52.19
9	9 PCB-11	1.17e6	1.59	NO	1.10	1.000	24.79	24.79	1.001	1.001	NO	52.57	105	0.0216	52.57
10	10 PCB-12/13	2.20e6	1.57	NO	1.04	1.000	25.22	25.16	1.018	1.016	NO	104.1	104	0.0228	104.1
11	11 PCB-15	1.12e6	1.57	NO	1.03	1.000	25.52	25.51	1.030	1.030	NO	53.54	107	0.0230	53.54
12	12 PCB-19	5.57e5	0.99	NO	0.934	1.000	23.76	23.75	1.001	1.001	NO	55.43	111	0.0121	55.43
13	13 PCB-30	8.94e5	0.99	NO	1.48	1.000	24.65	24.66	1.039	1.039	NO	56.10	112	0.00763	56.10
14	14 PCB-18	5.94e5	1.00	NO	0.693	1.000	25.44	25.43	0.952	0.952	NO	54.98	110	0.0114	54.98
15	15 PCB-17	5.59e5	0.98	NO	0.667	1.000	25.60	25.61	0.958	0.959	NO	53.74	107	0.0119	53.74
16	16 PCB-24/27	1.59e6	0.97	NO	0.915	1.000	26.21	26.20	0.981	0.981	NO	111.3	111	0.00867	111.3
17	17 PCB-16/32	1.37e6	0.98	NO	0.792	1.000	26.74	26.74	1.001	1.001	NO	110.9	111	0.0100	110.9
18	18 PCB-34	8.86e5	1.05	NO	0.987	1.000	27.55	27.56	0.959	0.959	NO	47.01	94.0	0.0206	47.01
19	19 PCB-23	9.48e5	1.05	NO	0.974	1.000	27.65	27.65	0.962	0.962	NO	51.01	102	0.0208	51.01
20	20 PCB-29	8.92e5	1.06	NO	0.953	1.000	27.91	27.89	0.972	0.971	NO	48.99	98.0	0.0213	48.99
21	21 PCB-26	9.50e5	1.06	NO	1.00	1.000	28.13	28.11	0.979	0.979	NO	49.71	99.4	0.0203	49.71
22	22 PCB-25	9.32e5	1.07	NO	0.978	1.000	28.29	28.28	0.985	0.984	NO	49.90	99.8	0.0208	49.90
23	23 PCB-31	1.14e6	1.04	NO	1.12	1.000	28.66	28.65	0.998	0.997	NO	53.08	106	0.0181	53.08
24	24 PCB-28	9.69e5	1.06	NO	1.11	1.000	28.75	28.75	1.001	1.001	NO	45.90	91.8	0.0184	45.90
25	25 PCB-20/21/33	2.87e6	1.06	NO	1.00	1.000	29.37	29.38	1.022	1.023	NO	149.8	99.9	0.0202	149.8
26	26 PCB-22	1.05e6	1.06	NO	1.03	1.000	29.84	29.84	1.039	1.039	NO	53.04	106	0.0197	53.04
27	27 PCB-36	1.00e6	1.07	NO	1.18	1.000	30.49	30.48	0.932	0.931	NO	50.47	101	0.0195	50.47
28	28 PCB-39	9.26e5	1.06	NO	1.08	1.000	30.96	30.96	0.946	0.946	NO	50.76	102	0.0211	50.76
29	29 PCB-38	9.98e5	1.05	NO	1.13	1.000	31.77	31.76	0.971	0.970	NO	52.54	105	0.0203	52.54
30	30 PCB-35	9.81e5	1.05	NO	1.13	1.000	32.31	32.30	0.987	0.987	NO	51.49	103	0.0202	51.49
31	31 PCB-37	9.83e5	1.06	NO	1.11	1.000	32.76	32.75	1.001	1.001	NO	52.82	106	0.0207	52.82
32	32 PCB-54	7.49e5	0.75	NO	0.996	1.000	27.59	27.59	1.001	1.001	NO	54.15	108	0.0192	54.15

75-75%

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

Last Altered: Friday, October 11, 2019 08:53:59 Pacific Daylight Time

Printed: Friday, October 11, 2019 16:02:54 Pacific Daylight Time

Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	5.95e5	0.73	NO	0.781	1.000	28.79	28.80	1.044	1.044	NO	54.84	110	0.0245	54.84
34	34 PCB-53	5.51e5	0.73	NO	0.955	1.000	29.46	29.47	0.943	0.944	NO	53.58	107	0.0257	53.58
35	35 PCB-51	6.14e5	0.73	NO	1.02	1.000	29.81	29.83	0.955	0.955	NO	55.68	111	0.0240	55.69
36	36 PCB-45	4.78e5	0.74	NO	0.808	1.000	30.26	30.25	0.969	0.969	NO	54.96	110	0.0303	54.96
37	37 PCB-46	4.52e5	0.74	NO	0.754	1.000	30.75	30.76	0.985	0.985	NO	55.68	111	0.0325	55.68
38	38 PCB-52/69	1.31e6	0.74	NO	1.09	1.000	31.26	31.26	1.001	1.001	NO	111.3	111	0.0225	111.3
39	39 PCB-73	7.33e5	0.74	NO	1.29	1.000	31.38	31.37	1.005	1.005	NO	52.78	106	0.0190	52.78
40	40 PCB-43/49	1.10e6	0.73	NO	0.940	1.000	31.55	31.56	1.010	1.011	NO	108.1	108	0.0261	108.1
41	41 PCB-47	5.68e5	0.73	NO	0.869	1.000	31.76	31.76	1.001	1.001	NO	56.62	113	0.0265	56.63
42	42 PCB-48/75	1.26e6	0.73	NO	1.02	1.000	31.87	31.87	1.004	1.004	NO	106.4	106	0.0225	106.4
43	43 PCB-65	7.29e5	0.73	NO	1.11	1.000	32.14	32.15	1.013	1.013	NO	56.96	114	0.0208	56.96
44	44 PCB-62	6.37e5	0.73	NO	1.07	1.000	32.25	32.26	1.016	1.016	NO	51.79	104	0.0217	51.79
45	45 PCB-44	4.68e5	0.76	NO	0.761	1.000	32.59	32.58	1.027	1.026	NO	53.29	107	0.0303	53.29
46	46 PCB-42/59	1.21e6	0.74	NO	0.960	1.000	32.80	32.80	1.033	1.033	NO	108.8	109	0.0240	108.8
47	47 PCB-41/64/71/72	2.69e6	0.74	NO	1.08	1.000	33.42	33.42	1.053	1.053	NO	214.9	107	0.0213	214.9
48	48 PCB-68	6.91e5	0.75	NO	1.11	1.000	33.68	33.70	1.061	1.062	NO	54.00	108	0.0208	54.00
49	49 PCB-40	3.48e5	0.71	NO	0.577	1.000	33.91	33.90	1.068	1.068	NO	52.27	105	0.0400	52.27
50	50 PCB-57	7.41e5	0.73	NO	1.05	1.000	34.27	34.27	0.969	0.969	NO	55.63	111	0.0200	55.63
51	51 PCB-67	7.18e5	0.73	NO	0.993	1.000	34.60	34.59	0.978	0.978	NO	56.86	114	0.0212	56.86
52	52 PCB-58	7.34e5	0.74	NO	1.11	1.000	34.73	34.72	0.982	0.982	NO	51.93	104	0.0189	51.93
53	53 PCB-63	6.83e5	0.74	NO	0.962	1.000	34.88	34.87	0.986	0.986	NO	55.89	112	0.0218	55.89
54	54 PCB-74	7.50e5	0.74	NO	1.07	1.000	35.17	35.17	0.994	0.994	NO	55.40	111	0.0197	55.40
55	55 PCB-61/70	1.36e6	0.73	NO	0.986	1.000	35.39	35.39	1.000	1.000	NO	108.5	109	0.0213	108.5
56	56 PCB-76/66	1.47e6	0.73	NO	1.07	1.000	35.55	35.58	1.005	1.006	NO	108.8	109	0.0197	108.8
57	57 PCB-80	7.76e5	0.75	NO	1.08	1.000	35.84	35.84	1.001	1.000	NO	54.44	109	0.0199	54.44
58	58 PCB-55	7.71e5	0.74	NO	1.07	1.000	36.16	36.15	1.010	1.009	NO	54.87	110	0.0202	54.87
59	59 PCB-56/60	1.34e6	0.74	NO	0.934	1.000	36.66	36.65	1.024	1.023	NO	108.8	109	0.0231	108.8
60	60 PCB-79	7.34e5	0.73	NO	1.04	1.000	37.78	37.77	1.055	1.055	NO	53.37	107	0.0207	53.37
61	61 PCB-78	6.90e5	0.72	NO	1.03	1.000	38.49	38.48	0.987	0.987	NO	54.60	109	0.0222	54.60
62	62 PCB-81	6.33e5	0.73	NO	0.933	1.000	39.02	39.02	1.000	1.000	NO	55.39	111	0.0245	55.39
63	63 PCB-77	6.83e5	0.75	NO	1.03	1.000	39.63	39.63	1.000	1.000	NO	54.73	109	0.0225	54.73
64	64 PCB-104	5.83e5	1.51	NO	0.995	1.000	32.43	32.43	1.001	1.001	NO	53.38	107	0.0132	53.38
65	65 PCB-96	5.67e5	1.50	NO	0.996	1.000	33.73	33.73	1.041	1.041	NO	51.88	104	0.0132	51.88
66	66 PCB-103	4.40e5	1.49	NO	0.774	1.000	34.29	34.29	1.058	1.058	NO	51.71	103	0.0170	51.71
67	67 PCB-100	4.44e5	1.50	NO	0.778	1.000	34.66	34.66	1.069	1.069	NO	52.04	104	0.0169	52.04
68	68 PCB-94	3.54e5	1.52	NO	0.773	1.000	35.15	35.15	0.985	0.985	NO	54.97	110	0.0235	54.97

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

Last Altered: Friday, October 11, 2019 08:53:59 Pacific Daylight Time
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.37e6	1.51	NO	1.01	1.000	35.62	35.63	0.999	0.999	NO	161.8	108	0.0179	161.8
70	70 PCB-93	3.57e5	1.52	NO	0.841	1.000	35.75	35.76	1.002	1.003	NO	51.09	102	0.0216	51.09
71	71 PCB-88/91	7.78e5	1.50	NO	0.890	1.000	36.10	36.12	1.012	1.013	NO	105.2	105	0.0205	105.2
72	72 PCB-121	6.13e5	1.52	NO	1.39	1.000	36.19	36.21	1.015	1.015	NO	53.17	106	0.0131	53.16
73	73 PCB-84/92	7.36e5	1.53	NO	0.879	1.000	37.06	37.05	0.990	0.990	NO	102.5	103	0.0203	102.5
74	74 PCB-89	4.09e5	1.46	NO	0.959	1.000	37.26	37.23	0.996	0.995	NO	52.21	104	0.0186	52.21
75	75 PCB-90/101	8.02e5	1.49	NO	0.944	1.000	37.44	37.44	1.000	1.000	NO	104.0	104	0.0189	104.0
76	76 PCB-113	5.33e5	1.53	NO	1.23	1.000	37.68	37.68	1.007	1.007	NO	52.98	106	0.0145	52.98
77	77 PCB-99	4.71e5	1.54	NO	1.12	1.000	37.78	37.79	1.010	1.010	NO	51.49	103	0.0160	51.49
78	78 PCB-119	5.41e5	1.53	NO	1.47	1.000	38.25	38.26	0.987	0.987	NO	53.20	106	0.0148	53.20
79	79 PCB-108/112	9.22e5	1.52	NO	1.25	1.000	38.41	38.42	0.991	0.991	NO	106.9	107	0.0174	106.9
80	80 PCB-83	5.64e5	1.55	NO	1.55	1.000	38.58	38.59	0.996	0.996	NO	52.78	106	0.0141	52.78
81	81 PCB-97	4.00e5	1.53	NO	1.07	1.000	38.80	38.79	1.001	1.001	NO	53.91	108	0.0203	53.91
82	82 PCB-86	3.62e5	1.48	NO	0.996	1.000	38.94	38.94	1.005	1.005	NO	52.70	105	0.0219	52.70
83	83 PCB-87/117/125	1.50e6	1.50	NO	1.33	1.000	39.05	39.08	1.008	1.008	NO	162.7	108	0.0163	162.7
84	84 PCB-111/115	1.20e6	1.50	NO	1.60	1.000	39.22	39.22	1.012	1.012	NO	108.2	108	0.0136	108.2
85	85 PCB-85/116	8.93e5	1.52	NO	1.22	1.000	39.34	39.35	1.015	1.015	NO	106.4	106	0.0179	106.4
86	86 PCB-120	6.15e5	1.50	NO	1.68	1.000	39.61	39.61	1.022	1.022	NO	52.97	106	0.0130	52.97
87	87 PCB-110	5.49e5	1.50	NO	1.49	1.000	39.75	39.76	1.026	1.026	NO	53.45	107	0.0147	53.45
88	88 PCB-82	3.30e5	1.55	NO	0.674	1.000	40.39	40.40	0.975	0.975	NO	55.02	110	0.0253	55.02
89	89 PCB-124	5.58e5	1.49	NO	1.16	1.000	41.13	41.12	0.993	0.993	NO	53.96	108	0.0147	53.96
90	90 PCB-107/109	1.08e6	1.51	NO	1.17	1.000	41.27	41.25	0.996	0.996	NO	104.2	104	0.0146	104.2
91	91 PCB-123	4.89e5	1.50	NO	1.04	1.000	41.44	41.44	1.000	1.000	NO	52.90	106	0.0164	52.90
92	92 PCB-106/118	1.05e6	1.52	NO	1.07	1.000	41.64	41.64	1.001	1.001	NO	104.2	104	0.0146	104.2
93	93 PCB-114	6.55e5	1.55	NO	1.16	1.000	42.30	42.30	1.000	1.000	NO	52.13	104	0.0322	52.13
94	94 PCB-122	5.78e5	1.61	NO	0.973	1.000	42.43	42.43	1.003	1.004	NO	54.96	110	0.0385	54.96
95	95 PCB-105	6.39e5	1.59	NO	1.10	1.000	43.19	43.19	1.000	1.000	NO	53.70	107	0.0340	53.70
96	96 PCB-127	6.68e5	1.60	NO	1.11	1.000	43.53	43.53	1.000	1.000	NO	54.20	108	0.0325	54.20
97	97 PCB-126	6.41e5	1.58	NO	1.21	1.000	45.48	45.48	1.000	1.000	NO	53.85	108	0.0354	53.84
98	98 PCB-155	3.68e5	1.24	NO	0.874	1.000	36.97	36.97	1.000	1.000	NO	53.65	107	0.0145	53.65
99	99 PCB-150	3.82e5	1.27	NO	0.881	1.000	38.27	38.27	1.036	1.036	NO	55.15	110	0.0144	55.15
100	1... PCB-152	4.33e5	1.25	NO	1.00	1.000	38.76	38.76	1.049	1.049	NO	54.86	110	0.0126	54.86
101	1... PCB-145	4.22e5	1.25	NO	1.00	1.000	39.20	39.22	1.061	1.061	NO	53.72	107	0.0127	53.72
102	1... PCB-136	3.70e5	1.28	NO	0.843	1.000	39.56	39.56	1.071	1.071	NO	55.87	112	0.0150	55.87
103	1... PCB-148	2.82e5	1.27	NO	0.693	1.000	39.67	39.67	1.073	1.074	NO	51.75	103	0.0183	51.74
104	1... PCB-154	3.07e5	1.26	NO	0.724	1.000	40.16	40.17	1.087	1.087	NO	53.88	108	0.0175	53.88

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	2.62e5	1.26	NO	0.632	1.000	40.83	40.84	1.105	1.105	NO	52.77	106	0.0200	52.77
106	1... PCB-135	3.02e5	1.24	NO	0.716	1.000	41.06	41.07	1.111	1.111	NO	53.74	107	0.0177	53.74
107	1... PCB-144	2.60e5	1.25	NO	0.667	1.000	41.16	41.18	1.114	1.114	NO	49.63	99.3	0.0190	49.63
108	1... PCB-147	2.83e5	1.23	NO	0.661	1.000	41.28	41.31	1.117	1.118	NO	54.41	109	0.0192	54.41
109	1... PCB-139/149	6.28e5	1.26	NO	0.738	1.000	41.57	41.59	1.125	1.125	NO	108.3	108	0.0172	108.3
110	1... PCB-140	2.60e5	1.24	NO	0.627	1.000	41.76	41.77	1.130	1.130	NO	52.82	106	0.0202	52.82
111	1... PCB-134/143	7.23e5	1.21	NO	0.733	1.000	42.25	42.22	0.975	0.974	NO	107.4	107	0.0507	107.4
112	1... PCB-131/133	7.99e5	1.19	NO	0.790	1.000	42.54	42.53	0.982	0.981	NO	110.3	110	0.0470	110.3
113	1... PCB-142	3.42e5	1.19	NO	0.708	1.000	42.69	42.68	0.985	0.985	NO	52.72	105	0.0525	52.72
114	1... PCB-146/165	9.36e5	1.19	NO	0.959	1.000	42.94	42.92	0.991	0.990	NO	106.3	106	0.0387	106.3
115	1... PCB-132/161	9.42e5	1.18	NO	0.974	1.000	43.18	43.17	0.996	0.996	NO	105.4	105	0.0381	105.4
116	1... PCB-153	4.80e5	1.19	NO	1.01	1.000	43.36	43.36	1.000	1.000	NO	51.69	103	0.0367	51.69
117	1... PCB-168	4.90e5	1.20	NO	1.02	1.000	43.59	43.57	1.006	1.005	NO	52.36	105	0.0365	52.35
118	1... PCB-141	3.86e5	1.20	NO	0.967	1.000	44.12	44.12	1.000	1.000	NO	52.62	105	0.0453	52.62
119	1... PCB-137	4.02e5	1.18	NO	0.987	1.000	44.50	44.52	1.009	1.009	NO	53.63	107	0.0444	53.63
120	1... PCB-130	3.08e5	1.22	NO	0.840	1.000	44.61	44.61	1.012	1.012	NO	48.36	96.7	0.0522	48.36
121	1... PCB-138/163/164	1.48e6	1.20	NO	1.23	1.000	44.99	45.01	1.001	1.001	NO	157.9	105	0.0373	157.9
122	1... PCB-158/160	9.34e5	1.20	NO	1.18	1.000	45.24	45.26	1.006	1.007	NO	104.0	104	0.0388	104.0
123	1... PCB-129	3.24e5	1.18	NO	0.819	1.000	45.48	45.50	1.012	1.012	NO	51.86	104	0.0558	51.86
124	1... PCB-166	4.96e5	1.20	NO	1.07	1.000	45.98	45.97	0.993	0.993	NO	52.27	105	0.0364	52.27
125	1... PCB-159	5.26e5	1.19	NO	1.12	1.000	46.32	46.32	1.000	1.000	NO	52.96	106	0.0348	52.96
126	1... PCB-128/162	8.18e5	1.19	NO	0.851	1.000	46.60	46.60	1.007	1.007	NO	108.3	108	0.0458	108.3
127	1... PCB-167	4.83e5	1.18	NO	1.04	1.000	47.02	47.02	1.000	1.000	NO	52.51	105	0.0372	52.51
128	1... PCB-156	4.77e5	1.21	NO	1.06	1.000	48.34	48.34	1.000	1.000	NO	53.89	108	0.0385	53.89
129	1... PCB-157	4.37e5	1.22	NO	0.978	1.000	48.63	48.63	1.001	1.001	NO	52.61	105	0.0425	52.61
130	1... PCB-169	4.50e5	1.20	NO	1.11	1.000	50.88	50.88	1.000	1.000	NO	51.44	103	0.0417	51.44
131	1... PCB-188	5.14e5	1.02	NO	1.19	1.000	42.98	42.98	1.001	1.001	NO	51.93	104	0.0331	51.93
132	1... PCB-184	4.89e5	1.04	NO	1.17	1.000	43.42	43.44	1.011	1.012	NO	50.52	101	0.0338	50.52
133	1... PCB-179	5.01e5	1.03	NO	1.18	1.000	44.23	44.23	1.030	1.030	NO	51.29	103	0.0336	51.29
134	1... PCB-176	4.94e5	1.03	NO	1.16	1.000	44.70	44.71	1.041	1.041	NO	51.34	103	0.0340	51.34
135	1... PCB-186	5.20e5	1.03	NO	1.22	1.000	45.31	45.33	1.055	1.056	NO	51.41	103	0.0324	51.41
136	1... PCB-178	3.43e5	1.04	NO	0.830	1.000	45.82	45.86	1.067	1.068	NO	49.79	99.6	0.0475	49.79
137	1... PCB-175	3.45e5	1.02	NO	0.849	1.000	46.18	46.22	1.075	1.076	NO	48.96	97.9	0.0465	48.96
138	1... PCB-182/187	7.82e5	1.02	NO	0.960	1.000	46.38	46.39	1.080	1.080	NO	98.14	98.1	0.0411	98.14
139	1... PCB-183	3.83e5	1.02	NO	0.957	1.000	46.71	46.71	1.088	1.088	NO	48.28	96.6	0.0413	48.28
140	1... PCB-185	3.27e5	1.05	NO	1.32	1.000	47.41	47.40	0.955	0.955	NO	52.61	105	0.0529	52.61

75-1157



Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

Last Altered: Friday, October 11, 2019 08:53:59 Pacific Daylight Time

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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	2.96e5	1.02	NO	1.22	1.000	47.78	47.78	0.962	0.962	NO	51.66	103	0.0573	51.66
142	1... PCB-181	3.67e5	1.04	NO	1.41	1.000	47.88	47.87	0.964	0.964	NO	55.11	110	0.0494	55.11
143	1... PCB-177	3.00e5	1.03	NO	1.24	1.000	48.06	48.04	0.968	0.968	NO	51.36	103	0.0563	51.35
144	1... PCB-171	3.06e5	1.04	NO	1.24	1.000	48.35	48.34	0.974	0.974	NO	52.24	104	0.0562	52.24
145	1... PCB-173	2.75e5	1.02	NO	1.14	1.000	48.79	48.78	0.983	0.982	NO	51.09	102	0.0612	51.09
146	1... PCB-172	3.17e5	1.04	NO	1.31	1.000	49.27	49.25	0.992	0.992	NO	51.43	103	0.0534	51.43
147	1... PCB-192	4.18e5	1.04	NO	1.70	1.000	49.46	49.44	0.996	0.996	NO	52.12	104	0.0410	52.12
148	1... PCB-180	3.24e5	1.06	NO	1.32	1.000	49.67	49.67	1.000	1.000	NO	52.19	104	0.0529	52.19
149	1... PCB-193	3.70e5	1.02	NO	1.54	1.000	49.90	49.88	1.005	1.005	NO	51.00	102	0.0454	51.00
150	1... PCB-191	3.70e5	1.04	NO	1.57	1.000	50.14	50.14	1.010	1.010	NO	49.95	99.9	0.0444	49.95
151	1... PCB-170	2.68e5	1.01	NO	1.36	1.000	51.34	51.34	1.000	1.000	NO	50.57	101	0.0632	50.57
152	1... PCB-190	3.53e5	1.02	NO	1.84	1.000	51.52	51.54	1.004	1.004	NO	49.20	98.4	0.0467	49.20
153	1... PCB-189	3.74e5	1.04	NO	1.33	1.000	53.08	53.08	1.000	1.000	NO	53.55	107	0.0420	53.56
154	1... PCB-202	3.48e5	0.90	NO	1.02	1.000	48.57	48.57	1.001	1.001	NO	53.87	108	0.0154	53.87
155	1... PCB-201	3.03e5	0.89	NO	0.915	1.000	49.06	49.06	1.011	1.011	NO	52.42	105	0.0173	52.42
156	1... PCB-204	3.32e5	0.91	NO	0.979	1.000	49.20	49.22	1.014	1.014	NO	53.79	108	0.0161	53.79
157	1... PCB-197	3.25e5	0.89	NO	0.979	1.000	49.52	49.54	1.020	1.021	NO	52.67	105	0.0161	52.67
158	1... PCB-200	3.12e5	0.89	NO	0.954	1.000	50.47	50.47	1.040	1.040	NO	51.80	104	0.0166	51.80
159	1... PCB-198	2.31e5	0.88	NO	0.748	1.000	52.02	52.04	1.072	1.072	NO	48.99	98.0	0.0211	48.99
160	1... PCB-199	2.21e5	0.89	NO	0.706	1.000	52.14	52.17	1.074	1.075	NO	49.59	99.2	0.0224	49.59
161	1... PCB-196/203	4.74e5	0.89	NO	0.785	1.000	52.45	52.47	1.081	1.081	NO	95.74	95.7	0.0201	95.74
162	1... PCB-195	3.24e5	0.91	NO	1.03	1.000	53.79	53.78	0.984	0.983	NO	51.31	103	0.0259	51.31
163	1... PCB-194	3.60e5	0.89	NO	1.16	1.000	54.71	54.70	1.000	1.000	NO	50.92	102	0.0232	50.92
164	1... PCB-205	4.58e5	0.90	NO	1.40	1.000	54.97	54.98	1.005	1.005	NO	53.44	107	0.0191	53.44
165	1... PCB-208	3.49e5	1.32	NO	0.934	1.000	53.94	53.94	1.000	1.000	NO	50.10	100	0.0300	50.10
166	1... PCB-207	3.42e5	1.32	NO	0.912	1.000	54.26	54.26	1.006	1.006	NO	50.26	101	0.0308	50.26
167	1... PCB-206	2.69e5	1.31	NO	0.987	1.000	56.24	56.24	1.000	1.000	NO	51.51	103	0.0376	51.51
168	1... PCB-209	2.74e5	1.20	NO	0.943	1.000	57.47	57.48	1.000	1.000	NO	52.25	104	0.00498	52.25
169	1... 13C-PCB-1	1.81e6	3.31	NO	1.08	1.000	15.51	15.50	0.608	0.608	NO	79.26	79.3	0.0596	79.26
170	1... 13C-PCB-3	1.89e6	3.14	NO	1.09	1.000	18.15	18.14	0.712	0.712	NO	81.80	81.8	0.0589	81.80
171	1... 13C-PCB-4	1.36e6	1.61	NO	0.640	1.000	19.51	19.50	0.765	0.765	NO	100.3	100	0.0283	100.3
172	1... 13C-PCB-9	2.09e6	1.62	NO	0.995	1.000	21.33	21.31	0.837	0.836	NO	98.97	99.0	0.0182	98.97
173	1... 13C-PCB-11	2.04e6	1.59	NO	0.971	1.000	24.78	24.77	0.972	0.972	NO	98.95	98.9	0.0186	98.95
174	1... 13C-PCB-19	1.08e6	0.99	NO	0.637	1.000	23.74	23.73	0.931	0.931	NO	79.71	79.7	0.184	79.71
175	1... 13C-PCB-32	1.56e6	1.00	NO	0.910	1.000	26.73	26.72	1.048	1.048	NO	80.94	80.9	0.129	80.94
176	1... 13C-PCB-28	1.91e6	0.97	NO	1.07	1.000	28.73	28.73	1.004	1.004	NO	105.9	106	0.164	105.9

Handwritten notes: 75-125/1, 99-145/1

Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

Last Altered: Friday, October 11, 2019 08:53:59 Pacific Daylight Time

Printed: Friday, October 11, 2019 16:02:54 Pacific Daylight Time

Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.68e6	0.97	NO	0.959	1.000	32.70	32.73	1.143	1.144	NO	104.0	104	0.183	
178	1... 13C-PCB-54	1.39e6	0.77	NO	1.10	1.000	27.59	27.57	0.753	0.752	NO	99.50	99.5	0.0470	
179	1... 13C-PCB-52	1.08e6	0.78	NO	0.844	1.000	31.25	31.22	0.853	0.852	NO	100.4	100	0.0612	
180	1... 13C-PCB-47	1.16e6	0.76	NO	0.893	1.000	31.76	31.74	0.867	0.866	NO	101.7	102	0.0578	
181	1... 13C-PCB-70	1.27e6	0.76	NO	1.01	1.000	35.39	35.37	0.965	0.965	NO	99.23	99.2	0.0512	
182	1... 13C-PCB-80	1.32e6	0.75	NO	1.05	1.000	35.82	35.82	0.977	0.977	NO	98.95	99.0	0.0494	
183	1... 13C-PCB-81	1.22e6	0.76	NO	0.985	1.000	39.02	39.00	1.064	1.064	NO	97.77	97.8	0.0524	
184	1... 13C-PCB-77	1.21e6	0.78	NO	0.958	1.000	39.63	39.61	1.081	1.081	NO	99.11	99.1	0.0539	
185	1... 13C-PCB-104	1.10e6	1.58	NO	1.10	1.000	32.43	32.41	0.827	0.826	NO	102.2	102	0.0249	
186	1... 13C-PCB-95	8.32e5	1.61	NO	0.852	1.000	35.68	35.67	0.910	0.909	NO	99.68	99.7	0.0321	
187	1... 13C-PCB-101	8.17e5	1.62	NO	0.814	1.000	37.43	37.42	0.954	0.954	NO	102.6	103	0.0336	
188	1... 13C-PCB-97	6.91e5	1.63	NO	0.709	1.000	38.78	38.76	0.989	0.988	NO	99.46	99.5	0.0385	
189	1... 13C-PCB-123	8.89e5	1.60	NO	0.922	1.000	41.42	41.42	1.056	1.056	NO	98.47	98.5	0.0297	
190	1... 13C-PCB-118	9.44e5	1.61	NO	0.975	1.000	41.60	41.60	1.061	1.061	NO	98.83	98.8	0.0280	
191	1... 13C-PCB-114	1.08e6	1.52	NO	1.52	1.000	42.27	42.28	0.908	0.908	NO	111.3	111	0.0522	
192	1... 13C-PCB-105	1.08e6	1.53	NO	1.58	1.000	43.16	43.17	0.927	0.927	NO	106.7	107	0.0501	
193	1... 13C-PCB-127	1.11e6	1.53	NO	1.62	1.000	43.50	43.51	0.934	0.934	NO	107.2	107	0.0489	
194	1... 13C-PCB-126	9.82e5	1.55	NO	1.45	1.000	45.47	45.46	0.976	0.976	NO	106.2	106	0.0549	
195	1... 13C-PCB-155	7.86e5	1.30	NO	1.03	1.000	36.97	36.95	0.943	0.942	NO	78.24	78.2	0.0132	
196	1... 13C-PCB-153	9.17e5	1.27	NO	1.42	1.000	43.33	43.34	0.931	0.931	NO	100.7	101	0.0590	
197	1... 13C-PCB-141	7.58e5	1.30	NO	1.14	1.000	44.09	44.10	0.947	0.947	NO	103.8	104	0.0735	
198	1... 13C-PCB-138	7.62e5	1.27	NO	1.18	1.000	44.97	44.95	0.966	0.965	NO	101.0	101	0.0711	
199	1... 13C-PCB-159	8.88e5	1.26	NO	1.43	1.000	46.27	46.30	0.994	0.994	NO	96.83	96.8	0.0586	
200	2... 13C-PCB-167	8.83e5	1.26	NO	1.42	1.000	46.99	47.00	1.009	1.009	NO	96.93	96.9	0.0589	
201	2... 13C-PCB-156	8.38e5	1.27	NO	1.40	1.000	48.29	48.33	1.037	1.038	NO	93.72	93.7	0.0601	
202	2... 13C-PCB-157	8.50e5	1.25	NO	1.41	1.000	48.59	48.59	1.044	1.043	NO	94.51	94.5	0.0597	
203	2... 13C-PCB-169	7.91e5	1.25	NO	1.35	1.000	50.86	50.86	1.092	1.092	NO	91.84	91.8	0.0624	
204	2... 13C-PCB-188	8.30e5	0.44	NO	1.46	1.000	42.98	42.94	0.927	0.926	NO	105.4	105	0.0433	
205	2... 13C-PCB-180	4.71e5	0.46	NO	0.932	1.000	49.65	49.65	1.070	1.070	NO	93.86	93.9	0.0679	
206	2... 13C-PCB-170	3.90e5	0.46	NO	0.796	1.000	51.31	51.32	1.106	1.106	NO	90.92	90.9	0.0795	
207	2... 13C-PCB-189	5.25e5	0.45	NO	1.09	1.000	53.03	53.06	1.143	1.144	NO	89.37	89.4	0.0580	
208	2... 13C-PCB-202	6.31e5	0.92	NO	1.45	1.000	48.52	48.53	1.042	1.042	NO	80.80	80.8	0.0268	
209	2... 13C-PCB-194	6.11e5	0.88	NO	0.714	1.000	54.70	54.69	0.995	0.995	NO	100.0	100	0.0556	
210	2... 13C-PCB-208	7.45e5	0.78	NO	0.896	1.000	53.95	53.93	0.982	0.981	NO	97.06	97.1	0.0511	
211	2... 13C-PCB-206	5.29e5	0.78	NO	0.653	1.000	56.21	56.23	1.023	1.023	NO	94.70	94.7	0.0701	
212	2... 13C-PCB-209	5.57e5	1.20	NO	0.806	1.000	57.46	57.47	1.045	1.046	NO	80.68	80.7	0.0115	

0.1451

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Dataset: U:\VG11.PRO\Results\191010K2\191010K2-2.qld

Last Altered: Friday, October 11, 2019 08:53:59 Pacific Daylight Time

Printed: Friday, October 11, 2019 16:02:54 Pacific Daylight Time

Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.12e6	1.60	NO	1.00	1.000	25.49	25.49	1.000	0.000	NO	100.0	100	0.0181	
214	2... 13C-PCB-31	1.69e6	0.98	NO	1.00	1.000	28.64	28.62	1.000	0.000	NO	100.0	100	0.176	
215	2... 13C-PCB-60	1.27e6	0.77	NO	1.00	1.000	36.66	36.65	1.000	0.000	NO	100.0	100	0.0516	
216	2... 13C-PCB-111	9.79e5	1.60	NO	1.00	1.000	39.22	39.22	1.000	0.000	NO	100.0	100	0.0273	
217	2... 13C-PCB-128	6.40e5	1.27	NO	1.00	1.000	46.58	46.56	1.000	0.000	NO	100.0	100	0.0839	
218	2... 13C-PCB-182	5.38e5	0.44	NO	1.00	1.000	46.41	46.39	0.000	0.000	NO	100.0	100	0.0633	
219	2... 13C-PCB-205	8.57e5	0.91	NO	1.00	1.000	54.98	54.97	1.000	0.000	NO	100.0	100	0.0397	
220	2... 13C-PCB-79	1.30e6	0.77	NO	1.03	1.000	37.76	37.75	1.030	1.030	NO	99.1	99.1	0.0500	
221	2... 13C-PCB-178	4.95e5	0.45	NO	0.875	1.000	45.85	45.82	0.988	0.988	NO	88.45	88.4	0.0627	
222	2... 13C-PCB-79	1.30e6	0.77	NO	1.05	1.000	37.73	37.75	0.967	0.968	NO	101.6	102	0.0511	
223	2... 13C-PCB-178	4.95e5	0.45	NO	0.975	1.000	45.86	45.82	0.924	0.923	NO	107.7	108	0.0753	

75/105
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Dataset: Untitled

Last Altered: Friday, October 11, 2019 15:54:27 Pacific Daylight Time

Printed: Friday, October 11, 2019 15:58:23 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	191010K2_1	SOLVENT BLANK	11-Oct-19	03:05:45
2	191010K2_2	ST191010K2-1 PCB 209 CS3 19C1106	11-Oct-19	04:07:52
3	191010K2_3	SOLVENT BLANK	11-Oct-19	05:10:04
4	191010K2_4	1903285-01 PDI-014SG-00-0.78-190923 10.24	11-Oct-19	06:13:17
5	191010K2_5	B9J0053-DUP1 Duplicate 13.41	11-Oct-19	07:16:04
6	191010K2_6	1903285-02 PDI-1014SG-00-0.78-190923 10.06	11-Oct-19	08:18:14
7	191010K2_7	1903285-03 PDI-015SG-00-0.87-190924 9.43	11-Oct-19	09:20:17
8	191010K2_8	1903285-04 PDI-022SG-00-01-190924 9.44	11-Oct-19	10:22:23
9	191010K2_9	1903285-05 PDI-101SG-00-01-190923 15.7	11-Oct-19	11:24:40
10	191010K2_10	1903285-06 PDI-102SG-00-01-190923 16.15	11-Oct-19	12:27:54
11	191010K2_11	1903285-07 PDI-103SG-00-01-190924 12.07	11-Oct-19	13:30:06
12	191010K2_12	1903285-08 PDI-104SG-00-01-190924 15.86	11-Oct-19	14:32:17

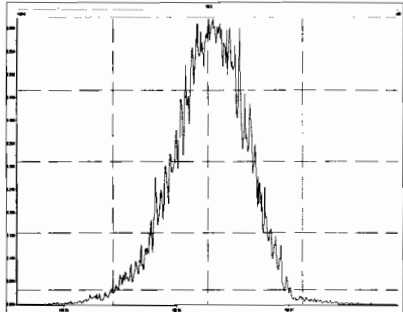
Resolution Check Report

MassLynx 4.1 SCN815

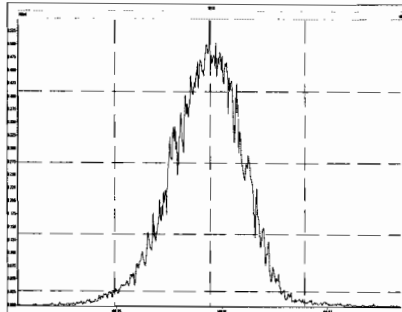
Printed: Friday, October 11, 2019 03:04:49 Pacific Daylight Time

PK drain
Ⓐ did not centroid
Ⓑ column bleed

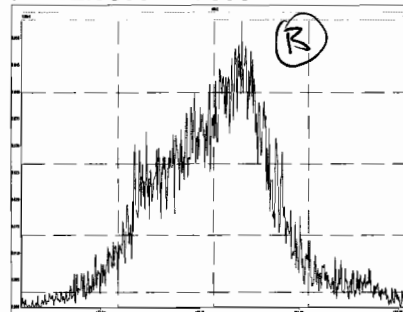
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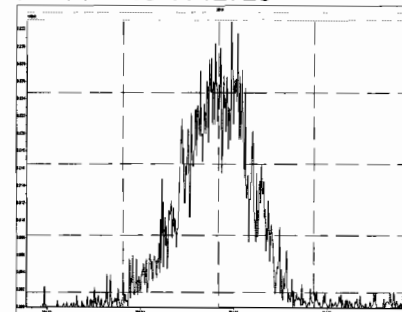
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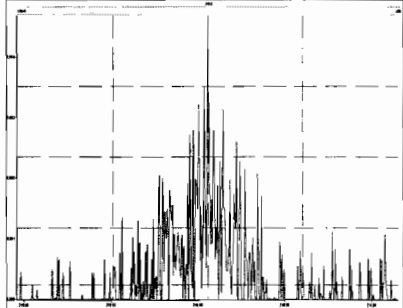
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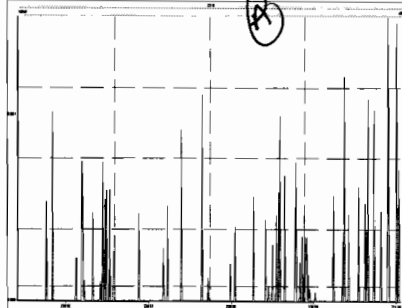
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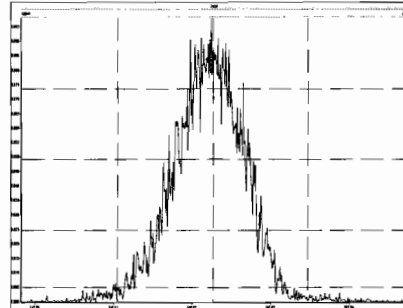
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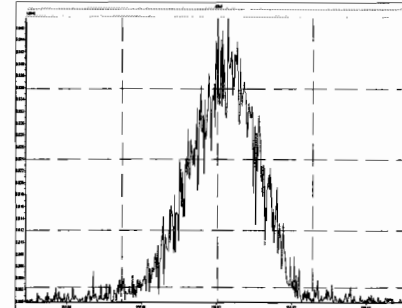
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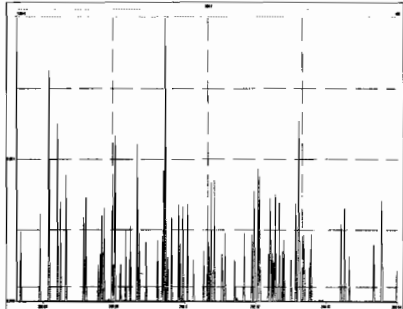
M 242.9856 R 12914



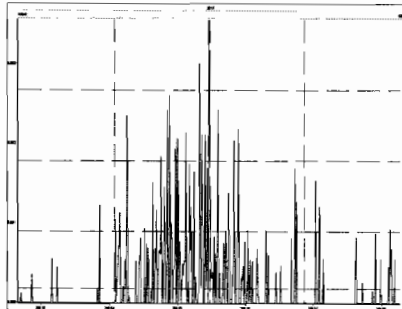
M 254.9856 R 13532



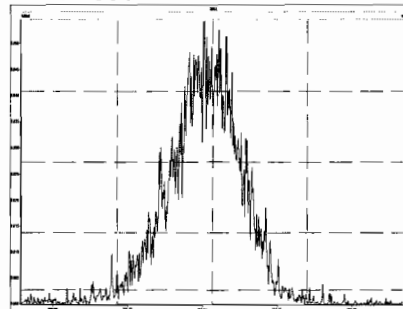
M 268.9824 R 416660



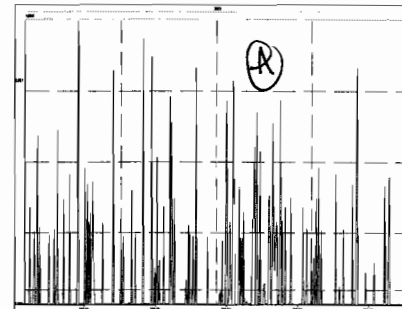
M 280.9824 R 468748



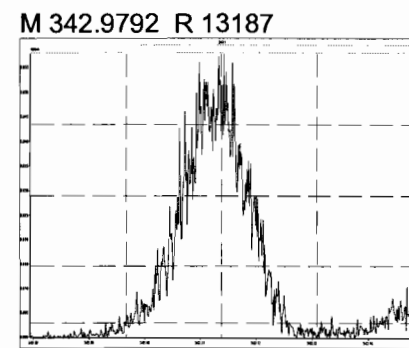
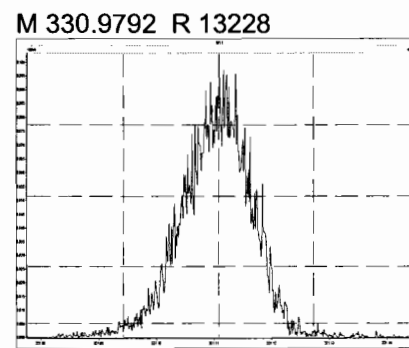
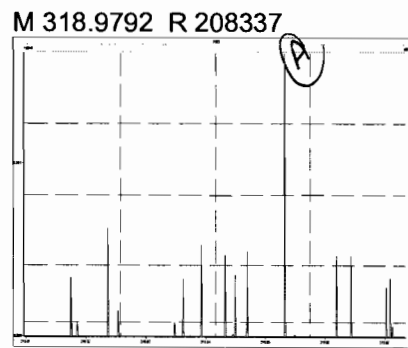
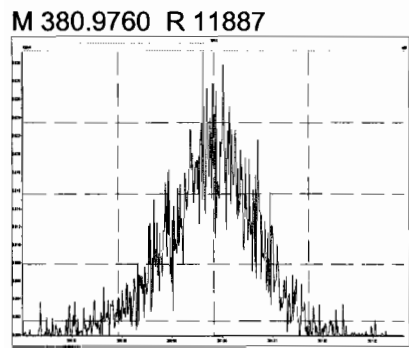
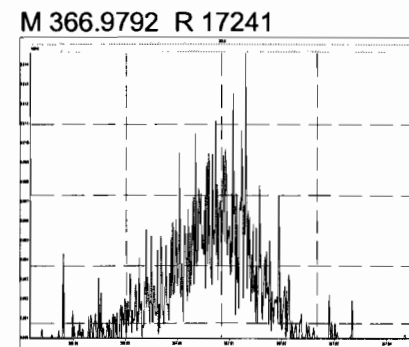
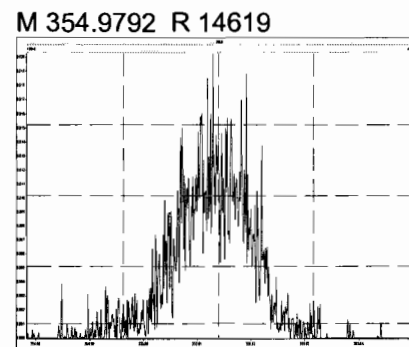
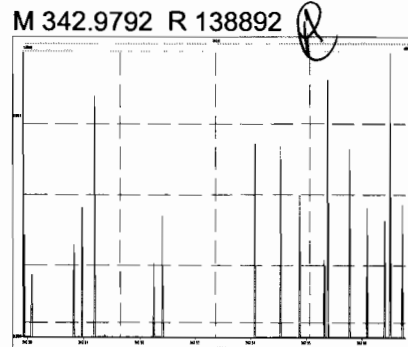
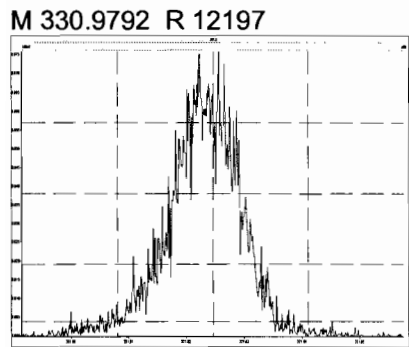
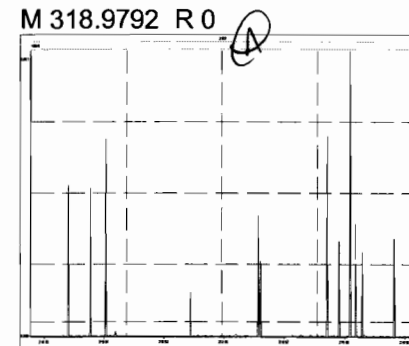
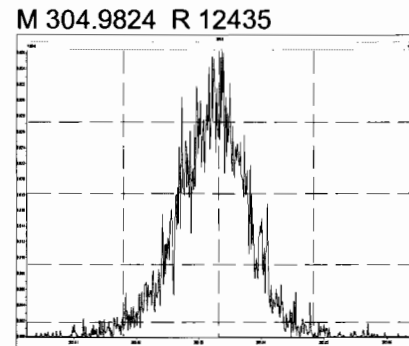
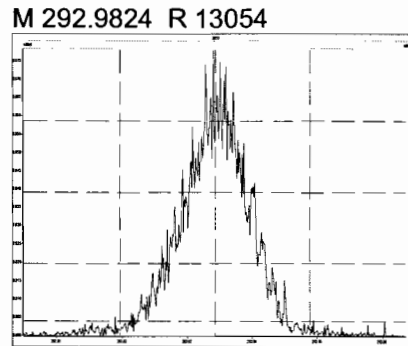
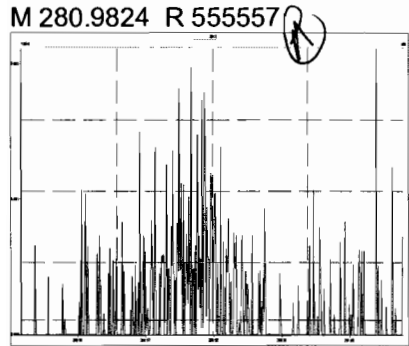
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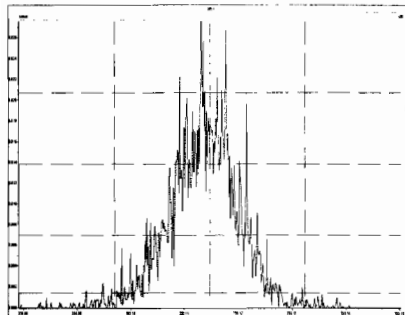
M 268.9824 R 0



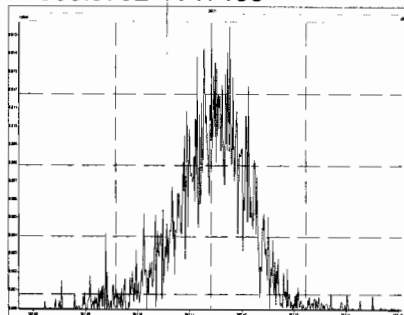
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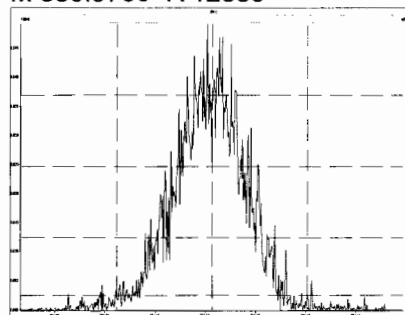
M 354.9792 R 14524



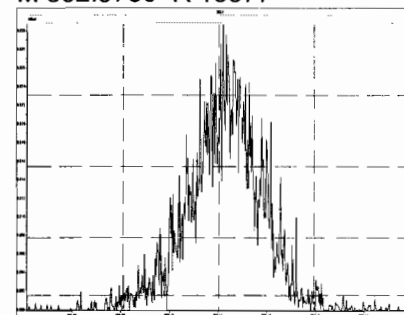
M 366.9792 R 17195



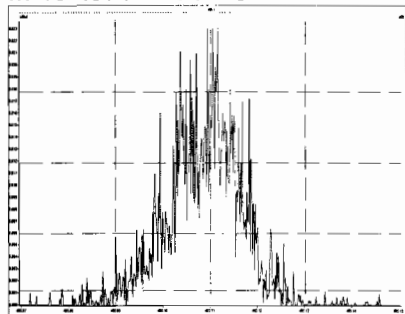
M 380.9760 R 12889



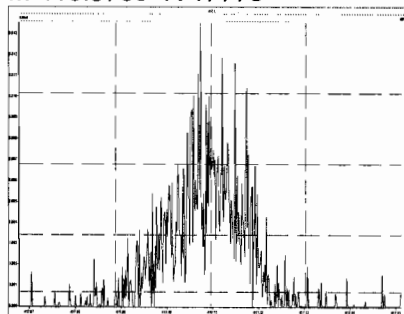
M 392.9760 R 15577



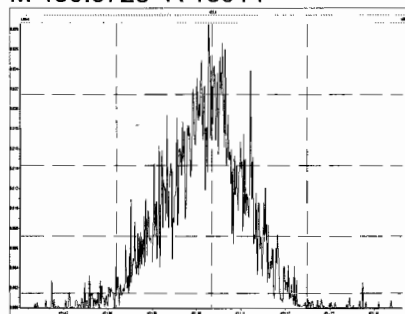
M 404.9760 R 14258



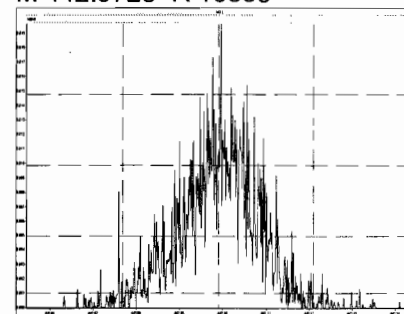
M 416.9760 R 17778



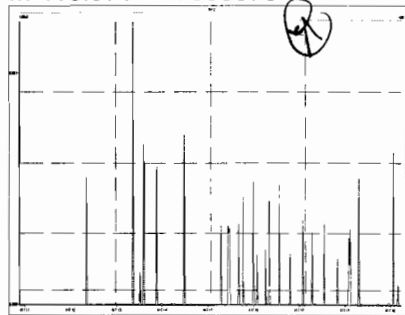
M 430.9728 R 13014



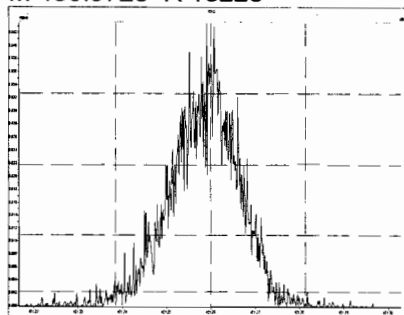
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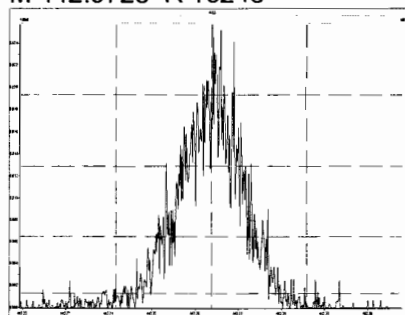
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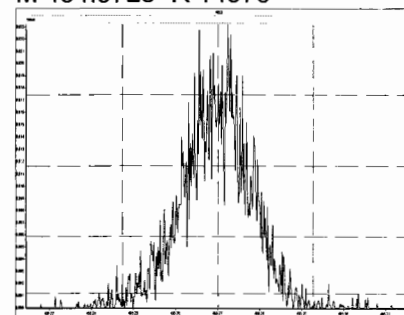
M 430.9728 R 13228



M 442.9728 R 15243

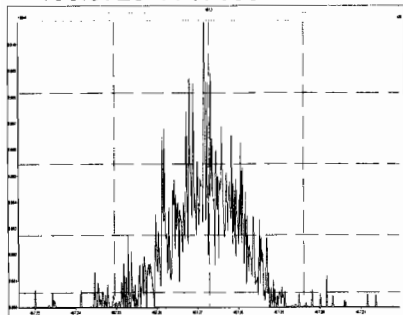


M 454.9728 R 14970

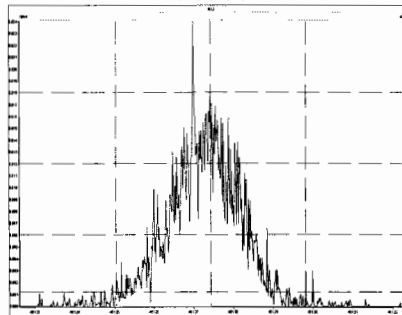


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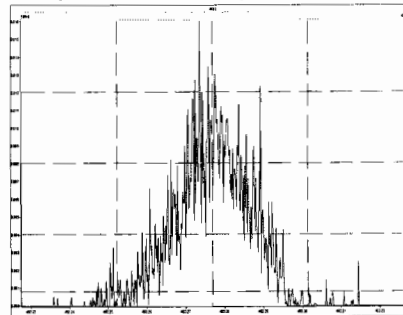
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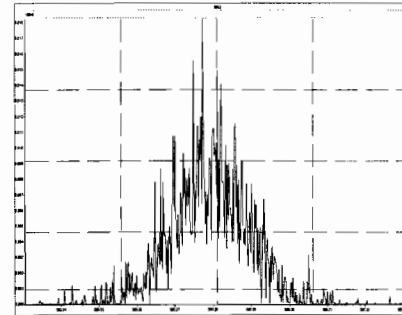
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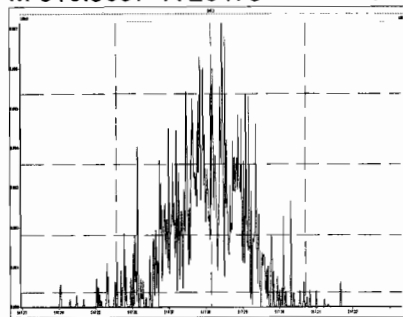
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M 504.9696 R 17183



M 516.9697 R 26479



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Last Altered: Friday, October 11, 2019 08:13:21 Pacific Daylight Time

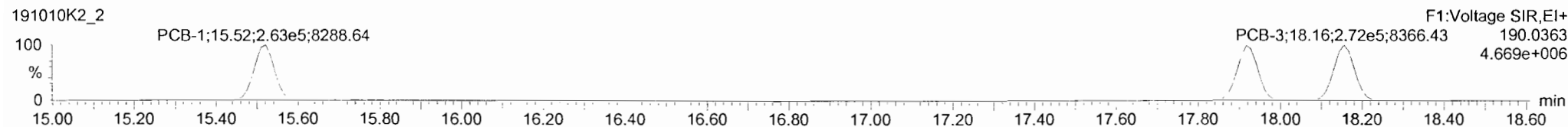
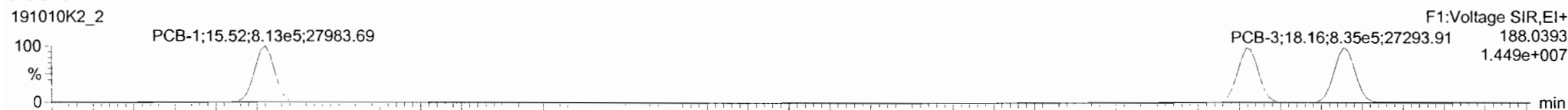
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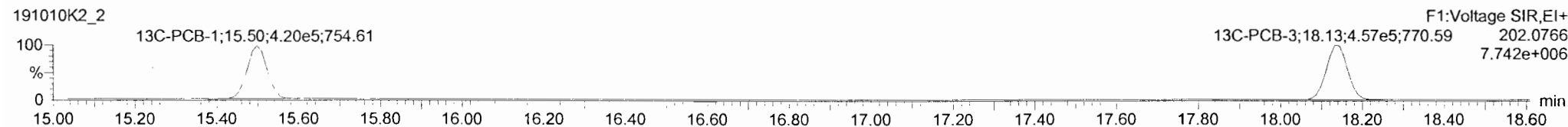
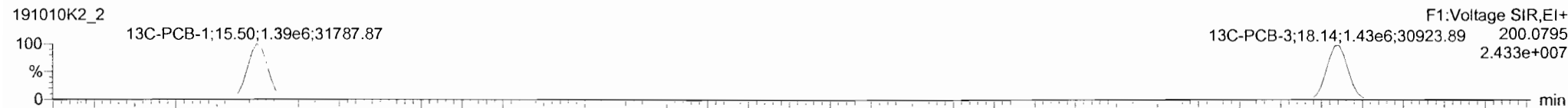
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

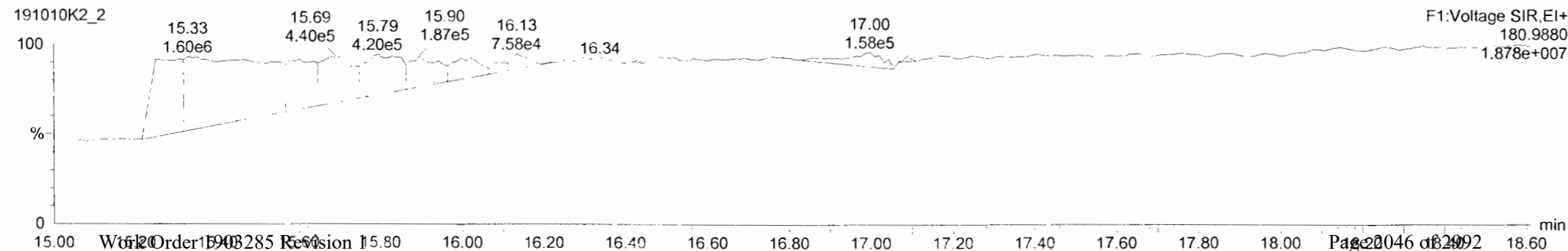
PCB-1



13C-PCB-1



PFK1



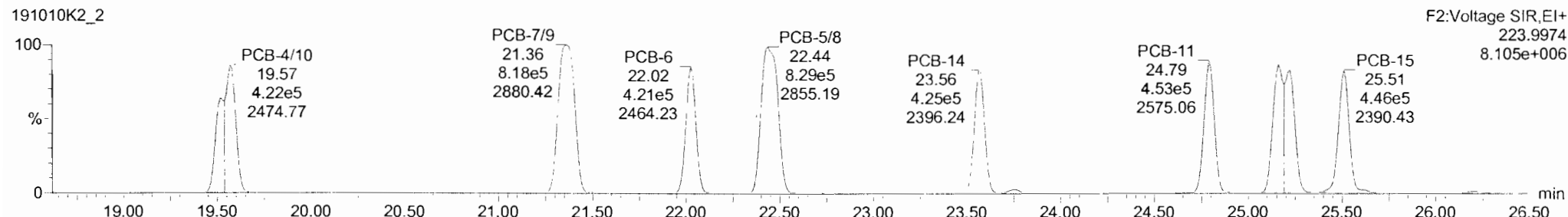
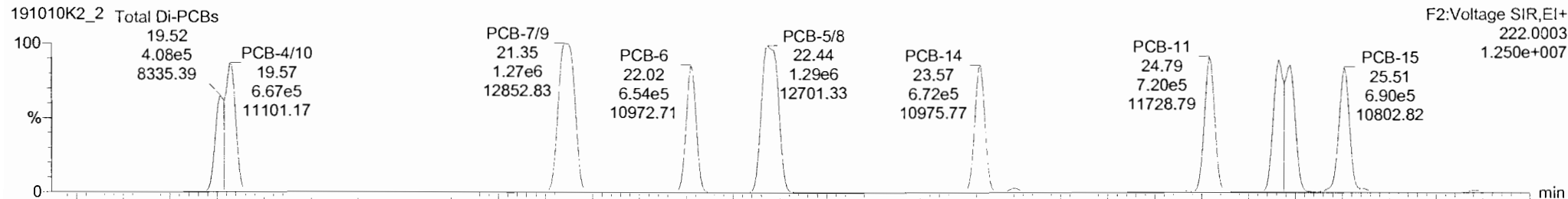
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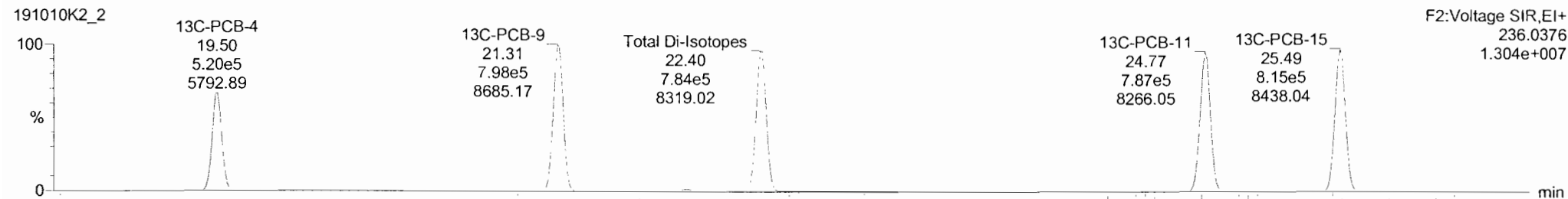
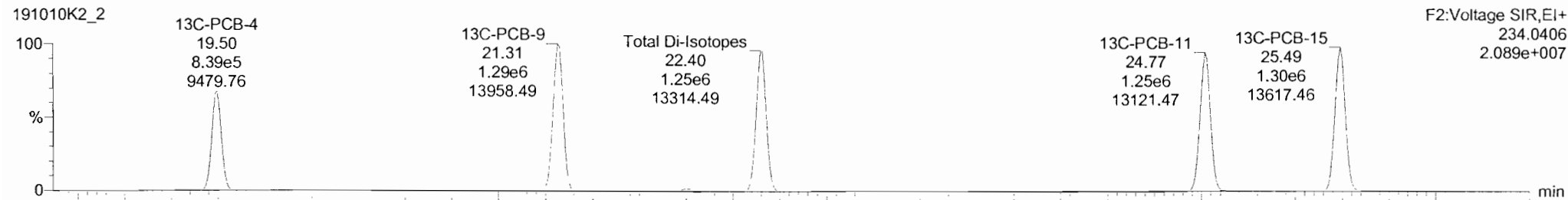
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-4/10



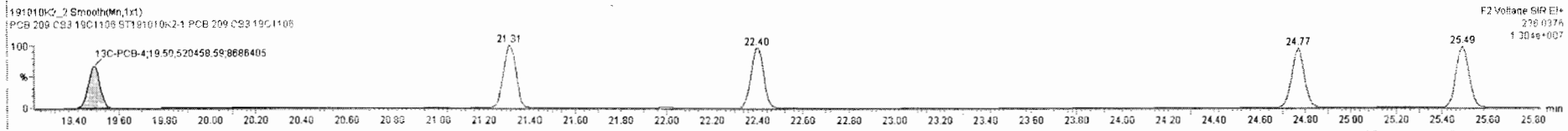
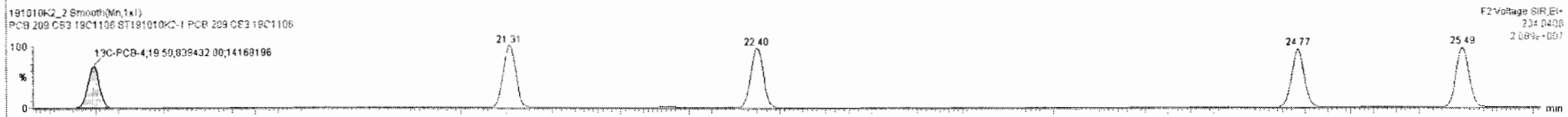
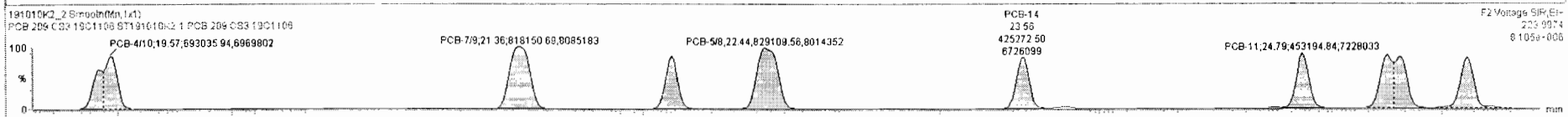
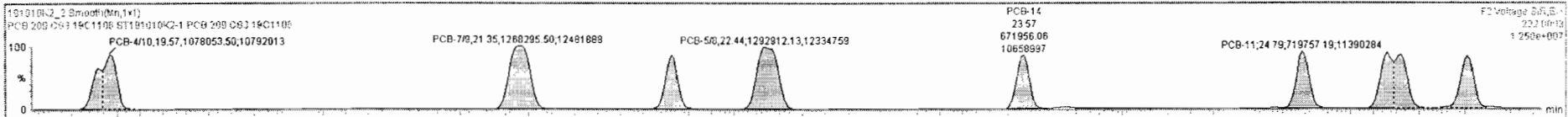
13C-PCB-4



191010K2_2 - ST191010K2-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
218	13C-PCB-182	5.30e5	0.44	NO	1.0000	1.000	46.41	46.39	0.000	0.000	NO	100.0	100	0.0633	
219	13C-PCB-205	8.57e5	0.91	NO	1.0000	1.000	54.98	54.97	1.000	0.000	NO	100.0	100	0.0397	
220	13C-PCB-79	1.30e6	0.77	NO	1.0320	1.000	37.76	37.75	1.030	1.030	NO	99.10	99.1	0.0500	
221	13C-PCB-176	4.95e5	0.45	NO	0.8746	1.000	45.85	45.82	0.988	0.988	NO	86.45	86.4	0.0627	
222	13C-PCB-79	1.30e6	0.77	NO	1.0454	1.000	37.73	37.75	0.967	0.968	NO	101.6	102	0.0511	
223	13C-PCB-176	4.95e5	0.45	NO	0.9749	1.000	45.96	45.82	0.924	0.923	NO	107.7	108	0.0753	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	173.6		0.0203	173.6
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	618.2		0.183	618.2
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	442.4		0.0617	442.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
4	PCB-410	19.59	19.57	1.078e6	6.930e5	1.560	1.56	NO	102.12	102.12
5	PCB-79	21.37	21.35	1.268e6	8.162e5	1.560	1.55	NO	102.46	102.46
6	PCB-6	22.02	22.02	6.537e5	4.212e5	1.560	1.55	NO	50.659	50.659
7	PCB-58	22.43	22.44	1.293e6	8.291e5	1.560	1.56	NO	100.60	100.60
8	PCB-14	23.58	23.57	6.720e5	4.253e5	1.560	1.58	NO	52.187	52.187
9	PCB-11	24.79	24.79	7.198e5	4.532e5	1.560	1.59	NO	52.574	52.574

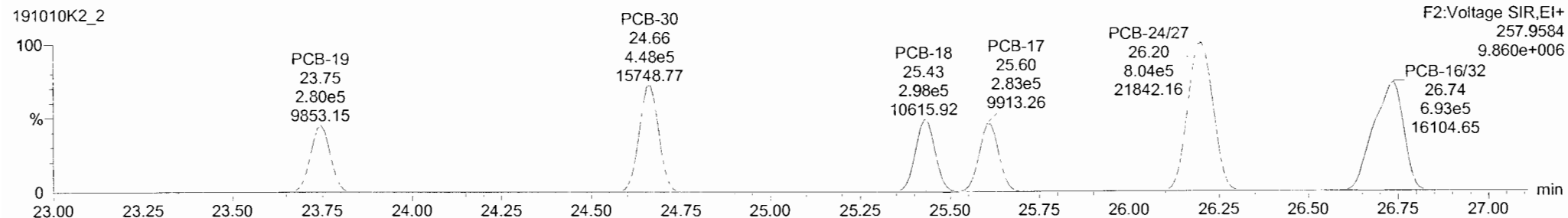
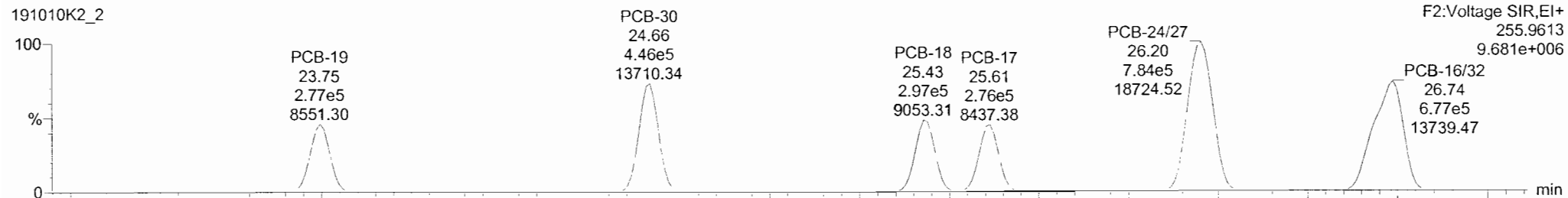


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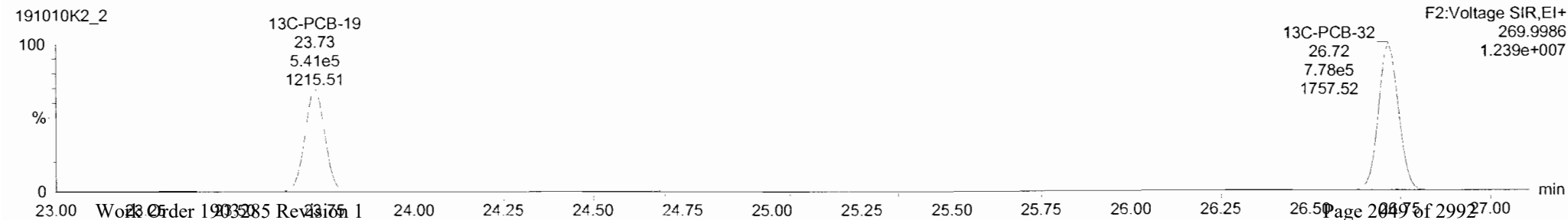
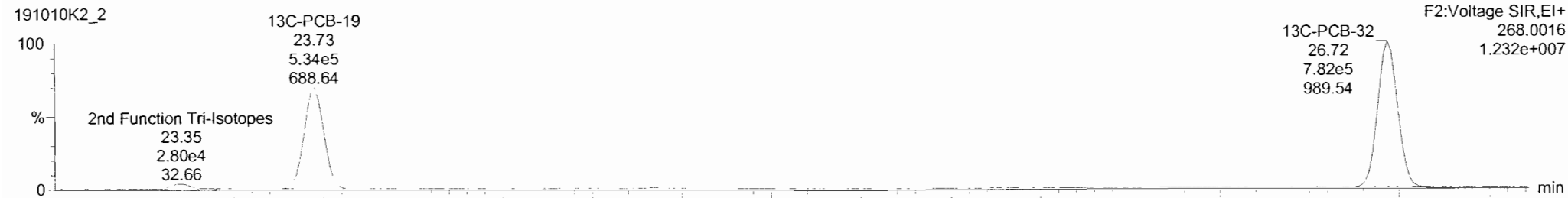
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19



13C-PCB-19

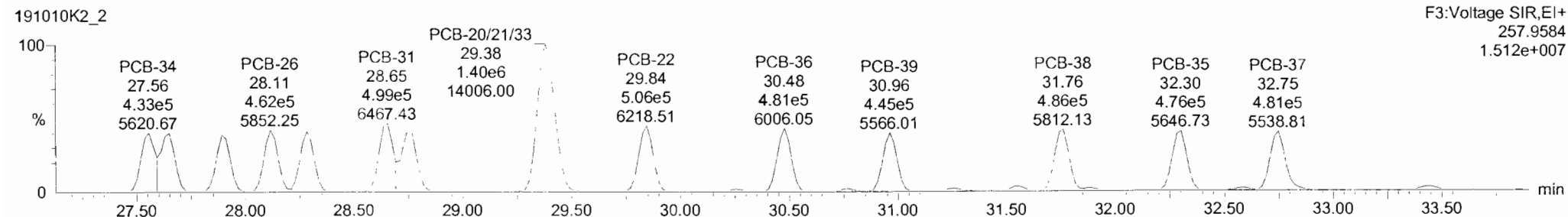
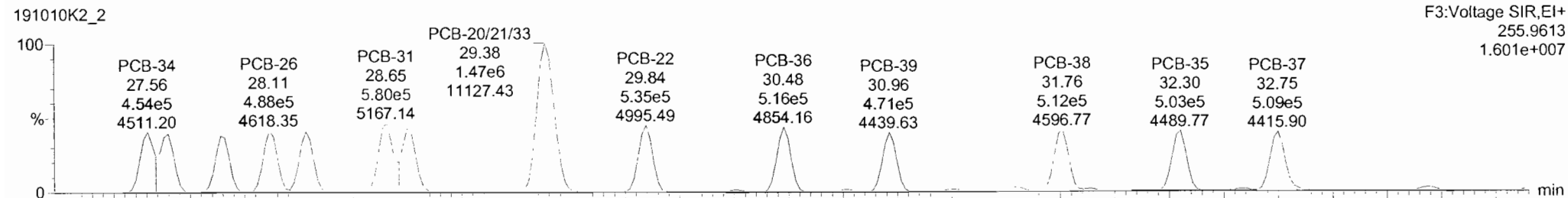


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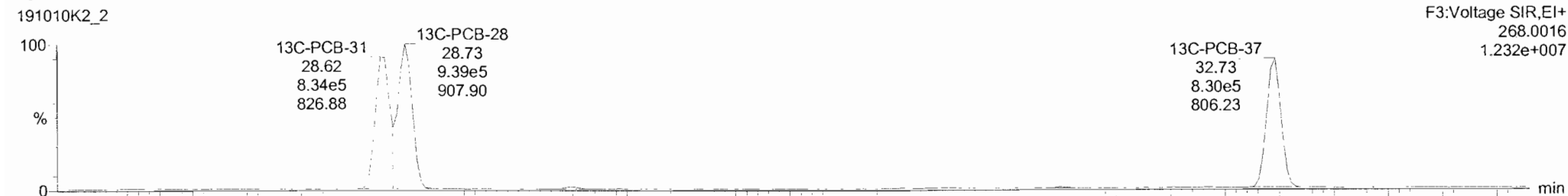
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-34



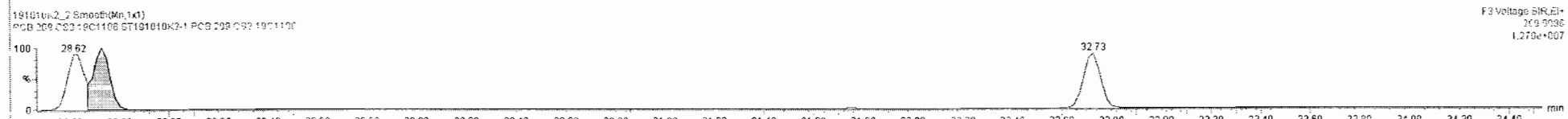
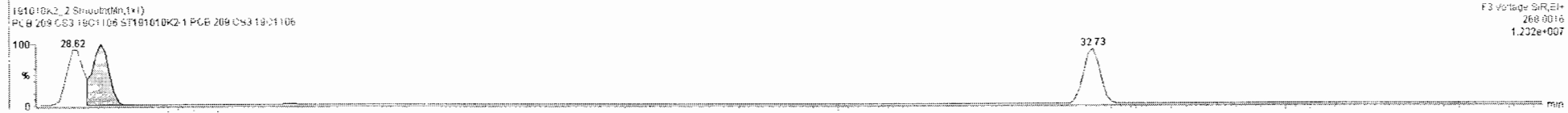
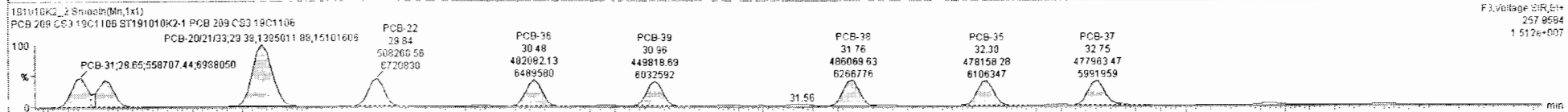
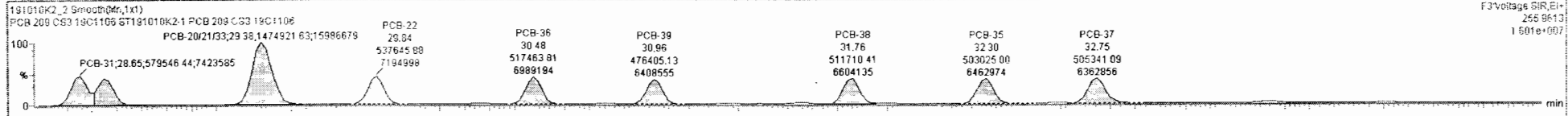
13C-PCB-28



191010K2-2-ST191010K2-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Reso	RA	n/y	RF	w/mul	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0563	1.000	0.000		0.000		NO	809.5		0.282	806.5
228	Total Tetra-PCBs				0.9861	1.000	0.000		0.000		NO	2265		0.747	2265
229	3rd Function Penta-PCBs				1.1154	1.000	0.000		0.000		NO	2172		0.495	2172
230	4th Function Penta-PCBs				1.1112	1.000	0.000		0.000		NO	268.8		0.173	268.8
231	3rd Function Hexa-PCBs				0.7739	1.000	0.000		0.000		NO	750.5		0.218	750.5
232	4th Function Hexa-PCBs				0.9719	1.000	0.000		0.000		NO	1479		0.851	1479
233	Total Hepta-PCBs				1.2536	1.000	0.000		0.000		NO	1226		1.07	1226
234	4th Function Octa-PCBs				0.8863	1.000	0.000		0.000		NO	458.9		0.145	458.5
235	5th Function Octa-PCBs				1.1967	1.000	0.000		0.000		NO	155.7		0.0682	155.7

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
18	PCB-34	27.55	27.56	4.536e5	4.526e5	1.040	1.05	NO	47.013	47.013
19	PCB-23	27.65	27.65	4.869e5	4.617e5	1.040	1.05	NO	51.007	51.007
20	PCB-29	27.91	27.89	4.580e5	4.330e5	1.040	1.06	NO	48.994	48.994
21	PCB-26	28.13	28.11	4.880e5	4.620e5	1.040	1.06	NO	49.712	49.712
22	PCB-25	28.29	28.28	4.804e5	4.513e5	1.040	1.07	NO	49.902	49.902
23	PCB-31	28.66	28.65	5.795e5	5.597e5	1.040	1.04	NO	53.064	53.064



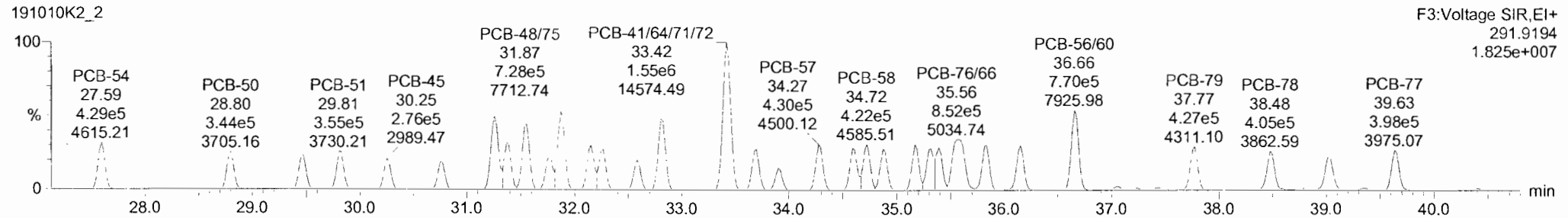
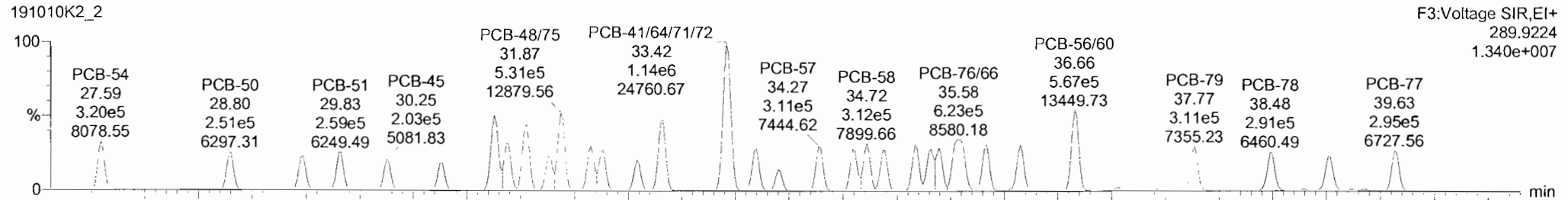
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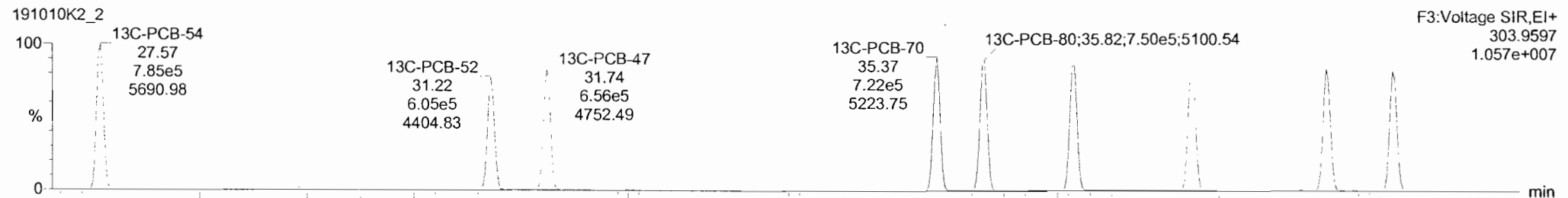
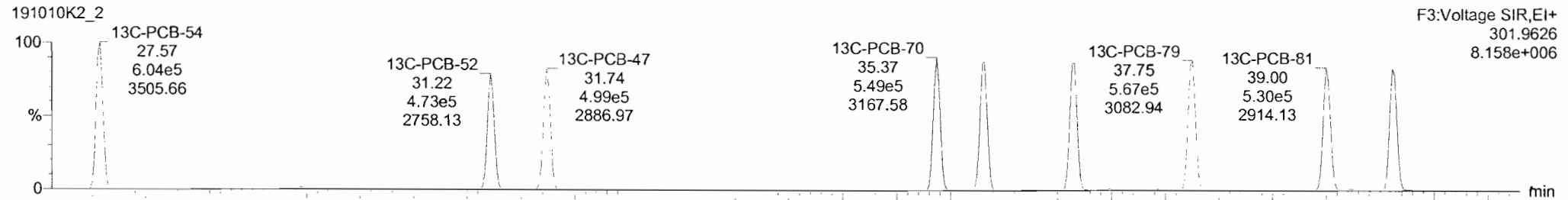
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54



13C-PCB-54



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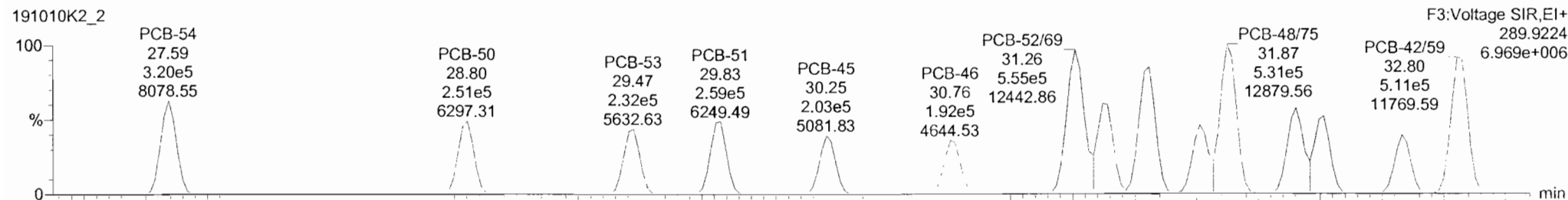
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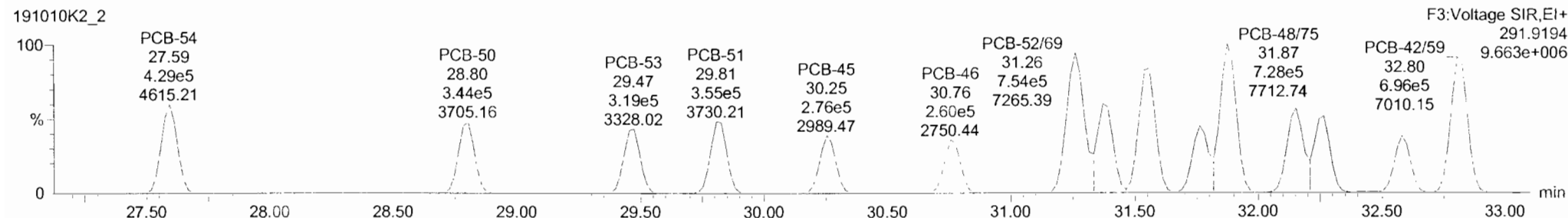
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PCB-50

191010K2_2

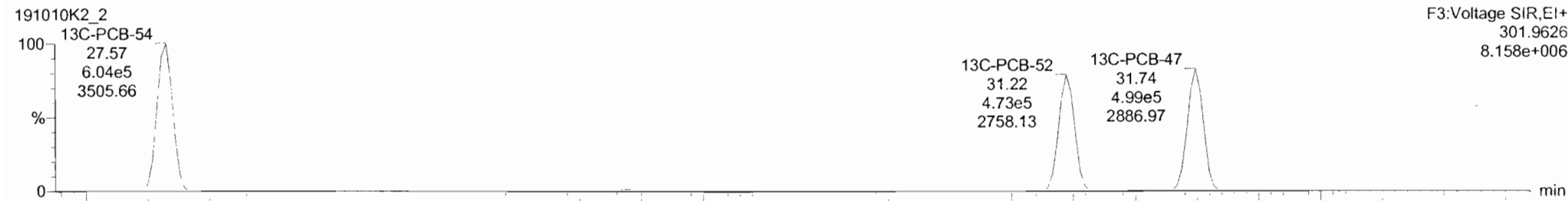


191010K2_2

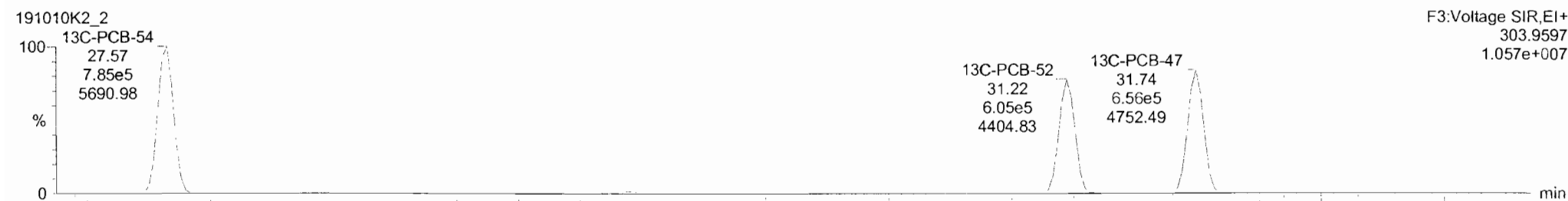


13C-PCB-52

191010K2_2



191010K2_2



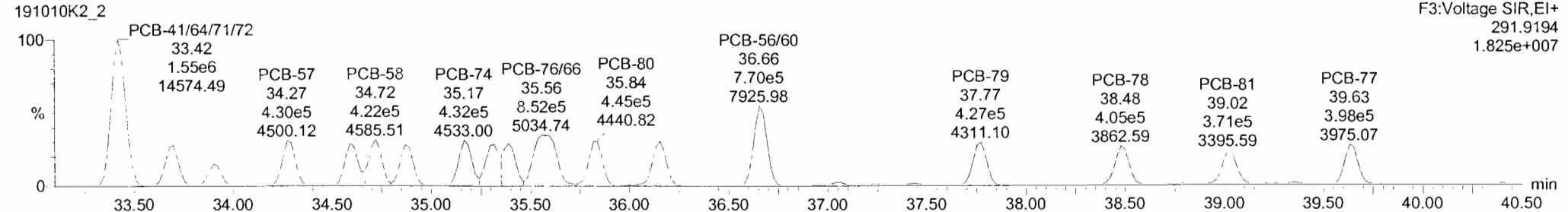
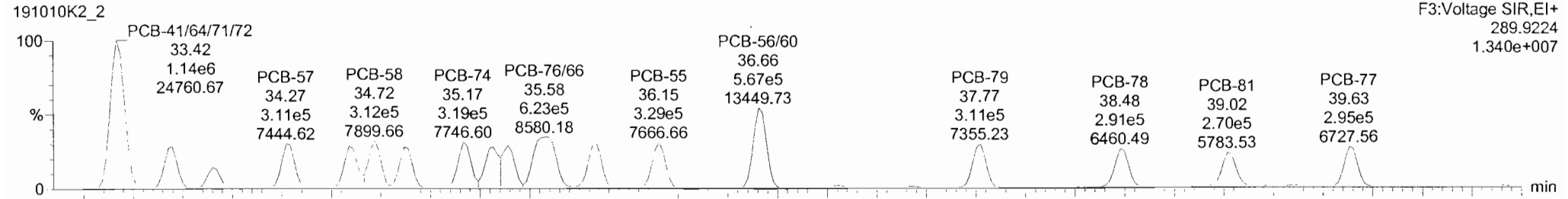
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Last Altered: Friday, October 11, 2019 08:13:21 Pacific Daylight Time

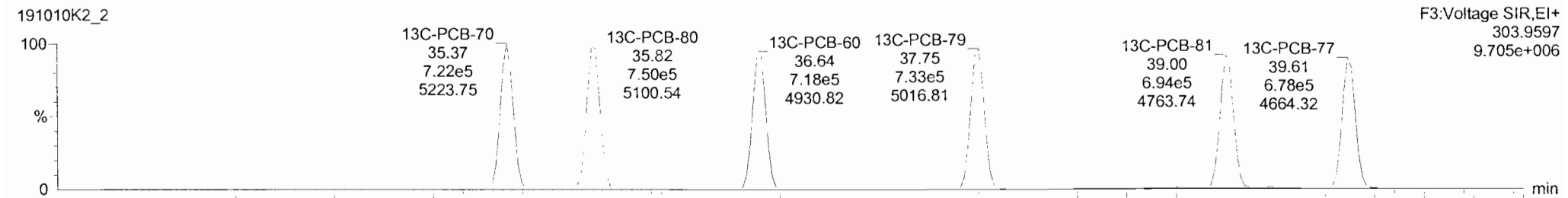
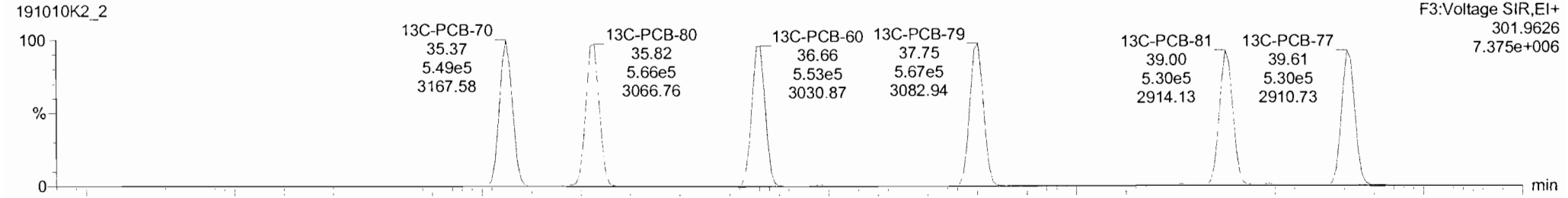
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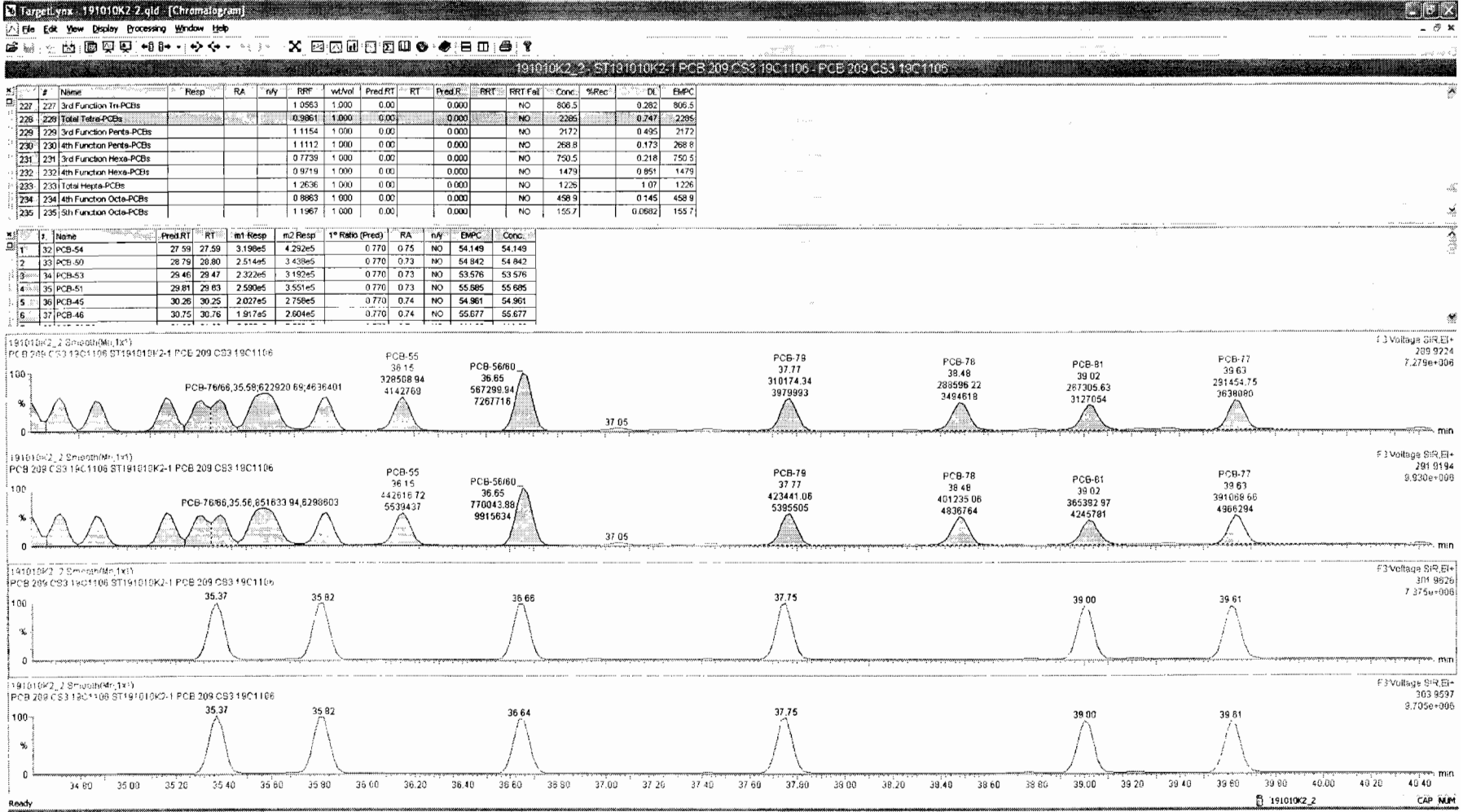
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PCB-68



13C-PCB-60



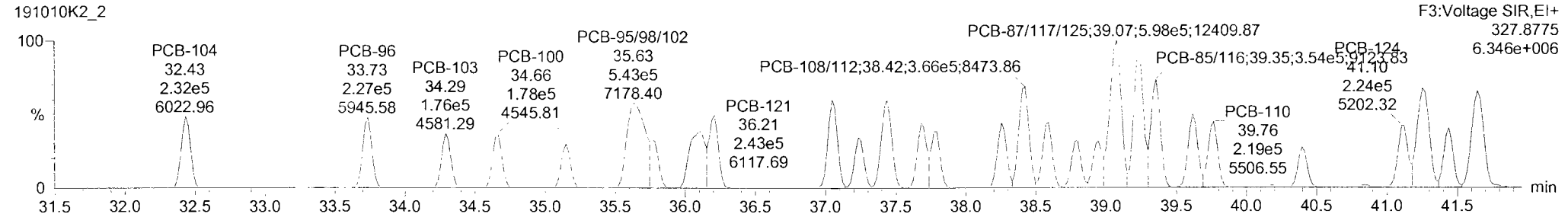
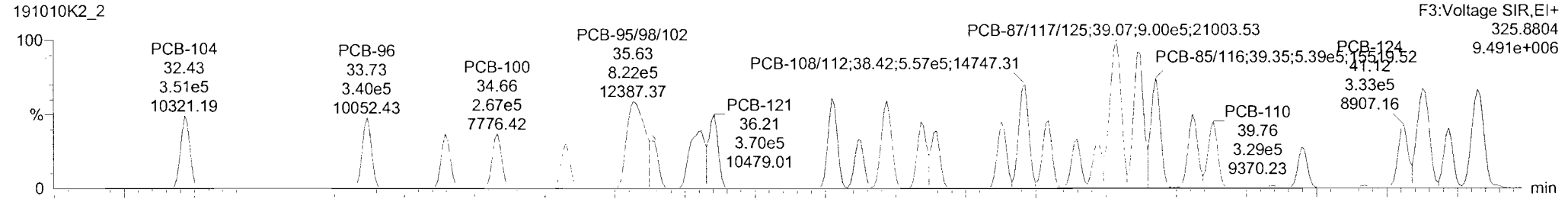


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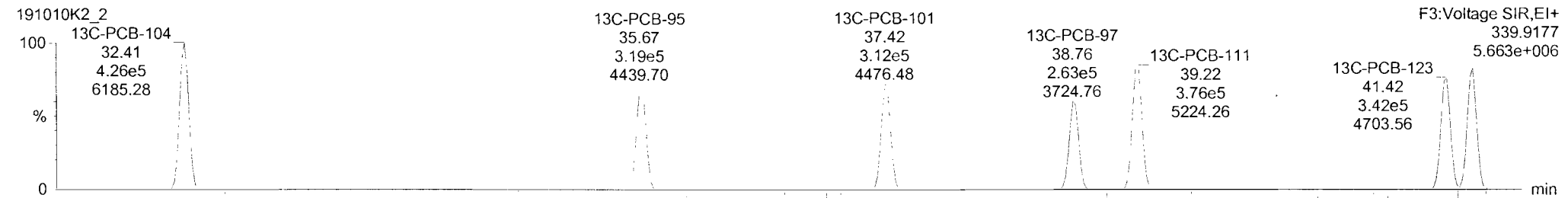
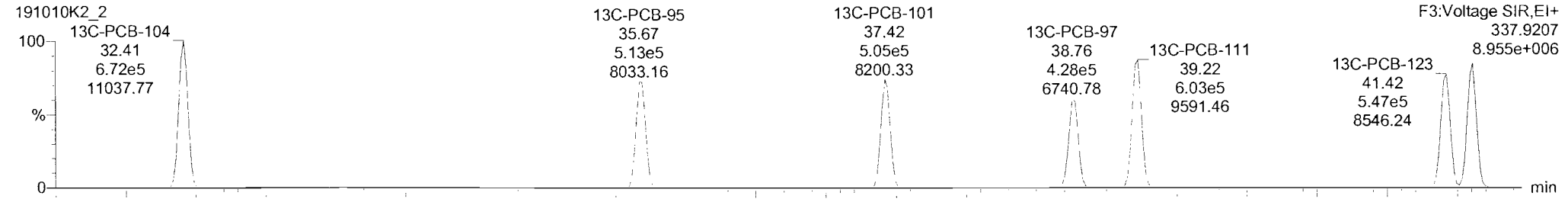
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-104



13C-PCB-104



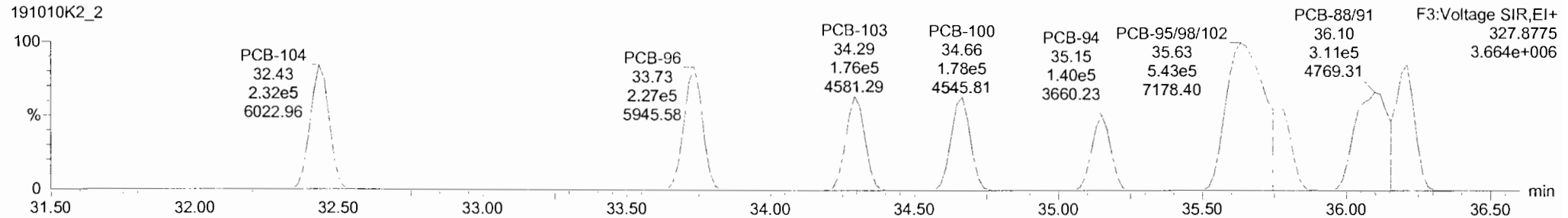
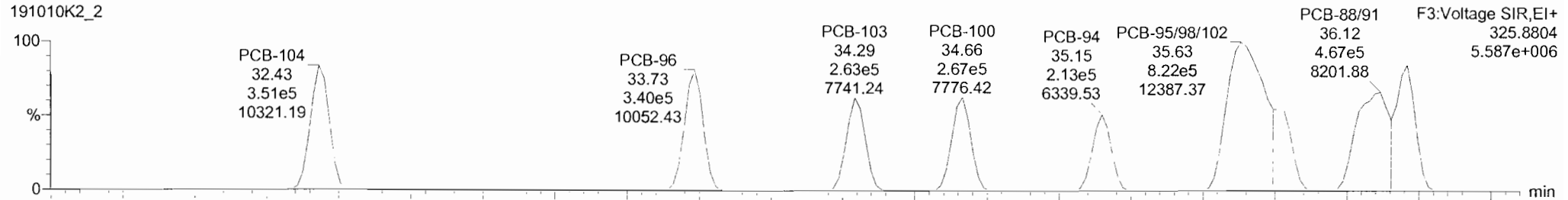
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Last Altered: Friday, October 11, 2019 08:13:21 Pacific Daylight Time

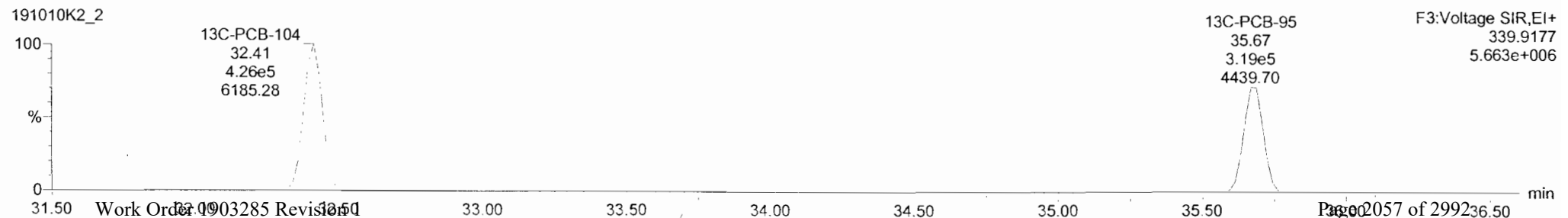
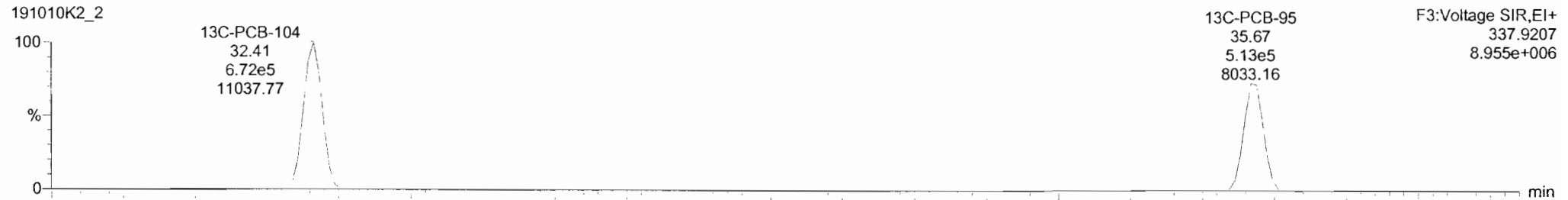
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-96



13C-PCB-95



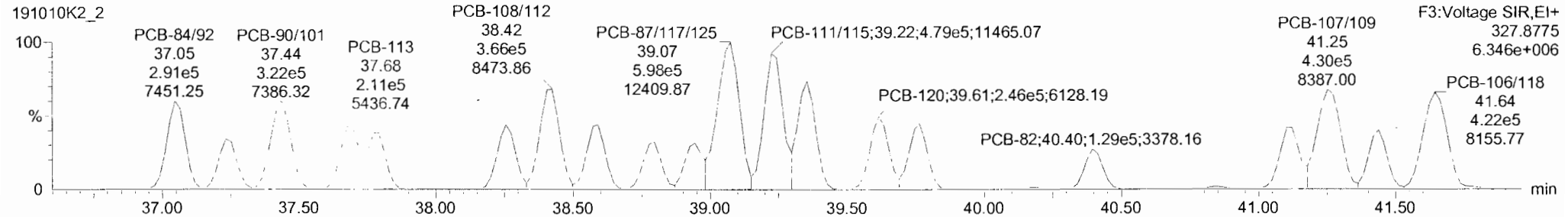
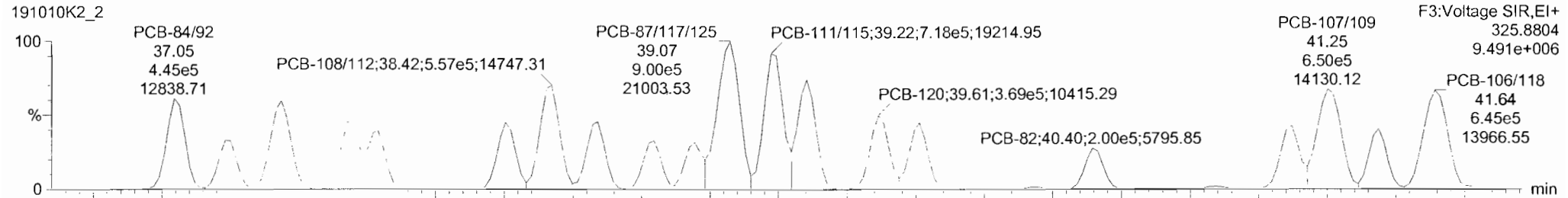
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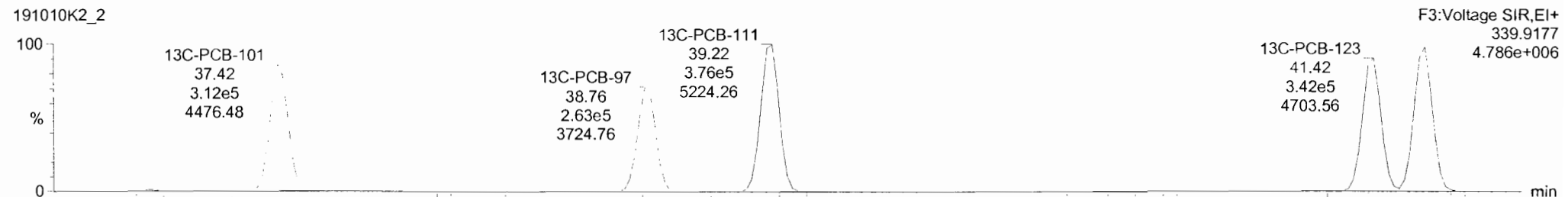
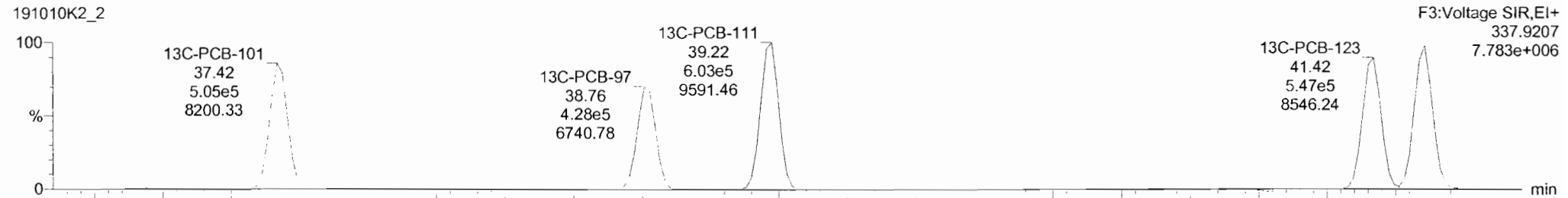
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

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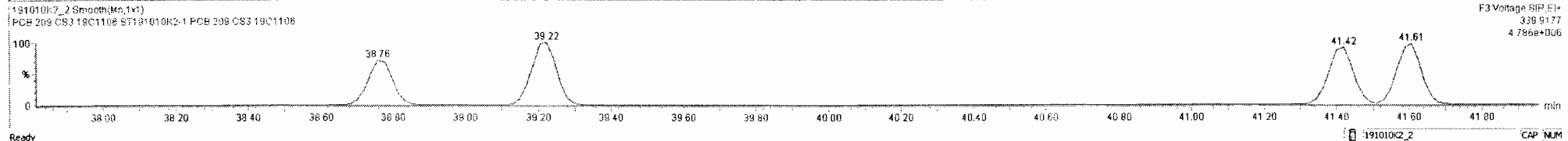
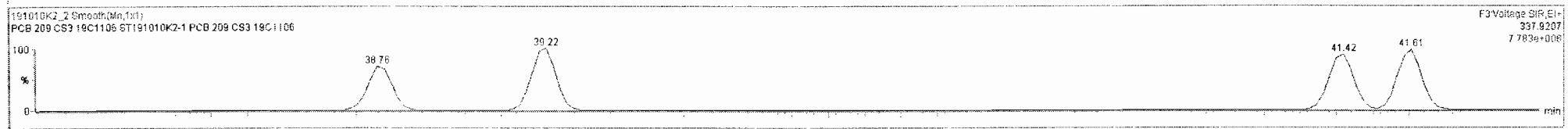
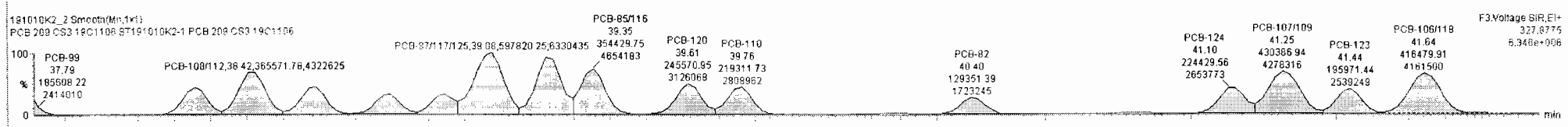
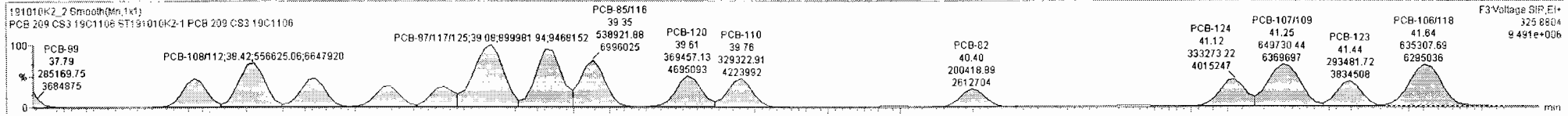
13C-PCB-111



191010K2_2 - ST191010K2-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	806.5	0.262	806.5	
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2285	0.747	2285	
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2172	0.495	2172	
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	268.8	0.173	268.8	
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	750.5	0.218	750.5	
232	4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1479	0.851	1479	
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1226	1.07	1226	
234	4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	458.9	0.145	458.9	
235	5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	155.7	0.0682	155.7	

#	Name	Pred.RT	RT	m1 Reso	m2 Reso	* Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.43	32.43	3.508e5	2.323e5	1.560	1.51	NO	53.382	53.382
65	PCB-86	33.73	33.73	3.401e5	2.272e5	1.560	1.50	NO	51.877	51.877
66	PCB-103	34.29	34.29	2.633e5	1.764e5	1.560	1.49	NO	51.713	51.713
67	PCB-100	34.66	34.66	2.669e5	1.778e5	1.560	1.50	NO	52.037	52.037
68	PCB-94	35.15	35.15	2.132e5	1.404e5	1.560	1.52	NO	54.974	54.974
69	PCB-95/98/102	35.62	35.63	8.224e5	5.430e5	1.560	1.51	NO	161.81	161.81

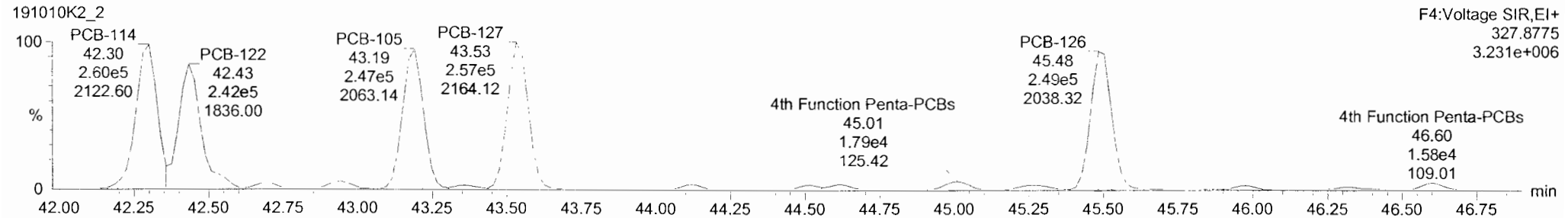
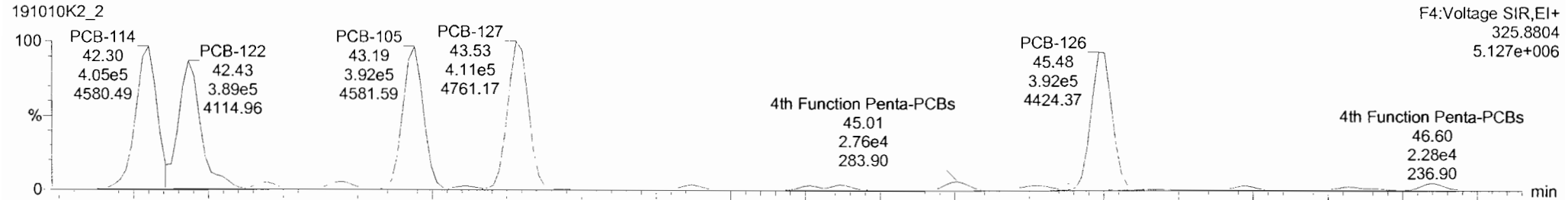


Dataset: Untitled

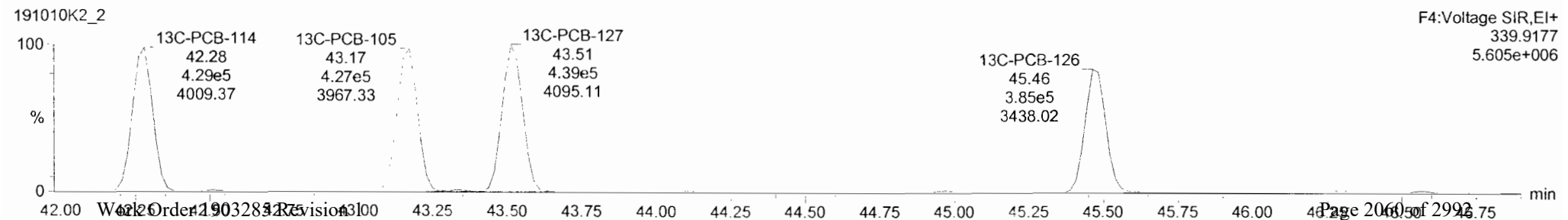
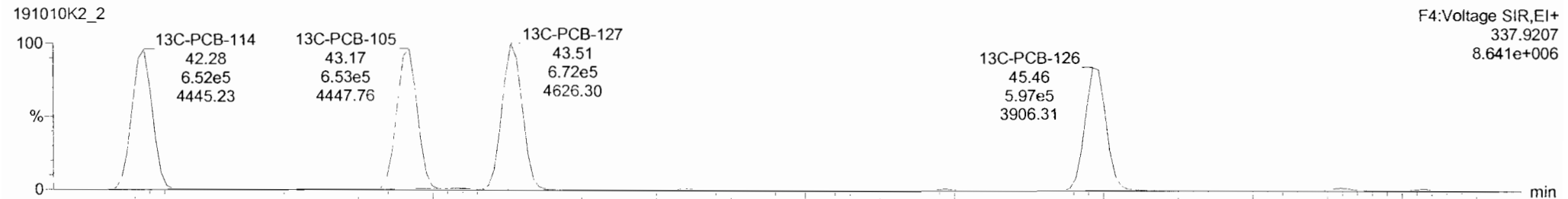
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Printed: Friday, October 11, 2019 08:14:29 Pacific Daylight Time

Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-114

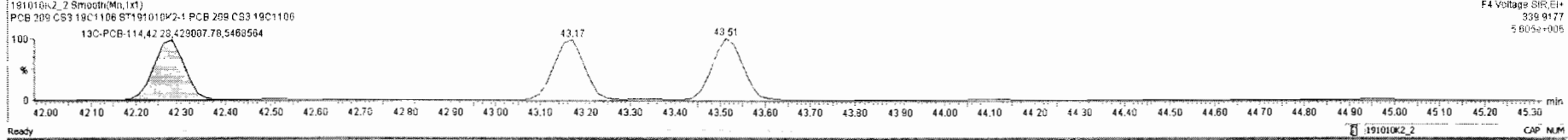
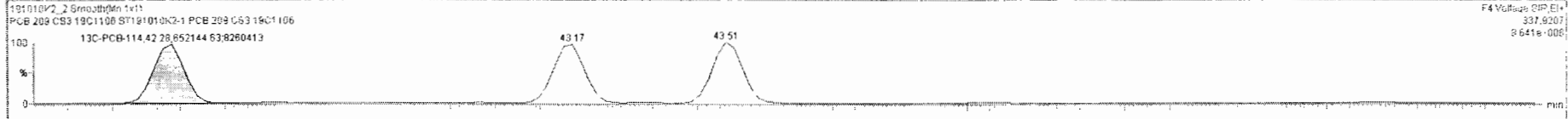
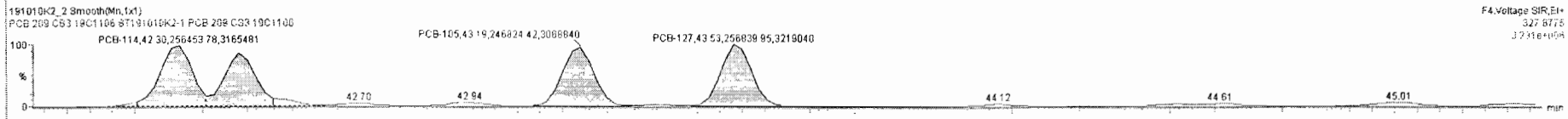
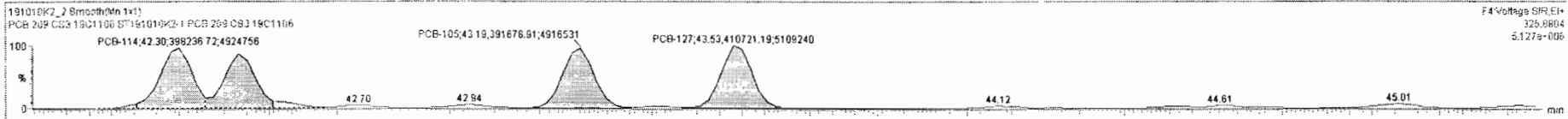


13C-PCB-114



#	Name	Resp	RA	n/y	RRF	wf/vol	Pred RT	RT	Pred R...	RR1	RR1 Fsk	Conc.	%Rec	DL	EMPC
227	227 3rd Function Tri-PCBs				1.0583	1.000	0.00		0.000		NO	806.5		0.262	806.5
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2285		0.747	2285
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2172		0.496	2172
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	268.8		0.173	268.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	750.5		0.218	750.5
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1479		0.851	1479
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1226		1.07	1226
234	234 4th Function Octa-PCBs				0.8983	1.000	0.00		0.000		NO	458.9		0.145	458.9
235	235 5th Function Octa-PCBs				1.1987	1.000	0.00		0.000		NO	155.7		0.0682	155.7

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.30	42.30	3.982e5	2.565e5	1.560	1.55	NO	52.131	52.131
2	94 PCB-122	42.43	42.43	3.562e5	2.217e5	1.560	1.61	NO	54.960	54.960
3	95 PCB-105	43.19	43.18	3.917e5	2.408e5	1.550	1.59	NO	53.704	53.704
4	96 PCB-127	43.53	43.53	4.107e5	2.568e5	1.560	1.60	NO	54.199	54.199
5	97 PCB-126	45.48	45.48	3.923e5	2.408e5	1.560	1.58	NO	53.645	53.645



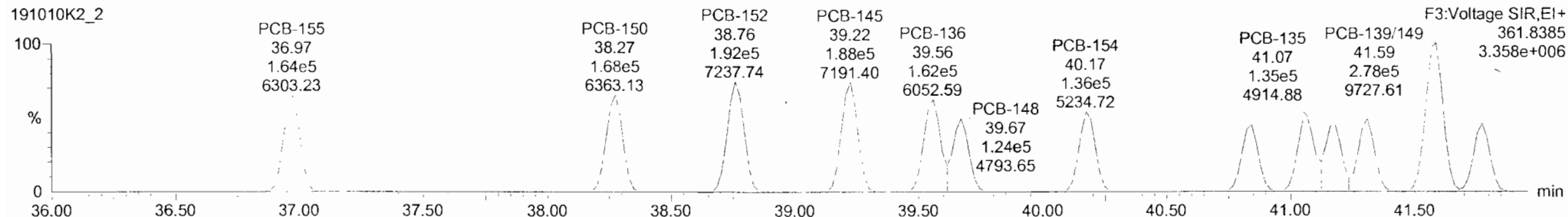
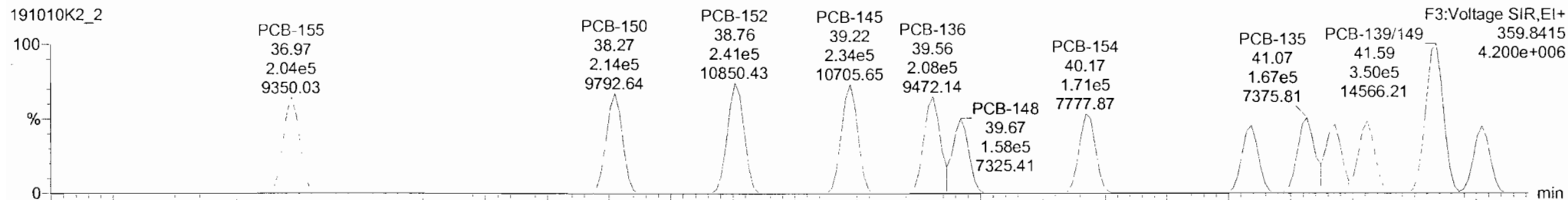
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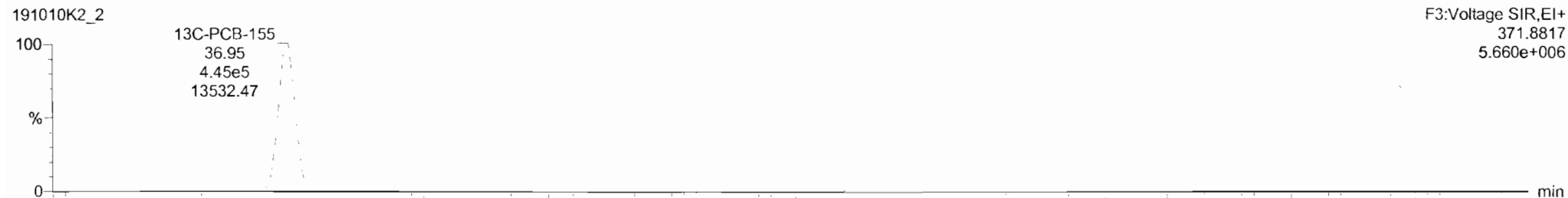
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

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13C-PCB-155



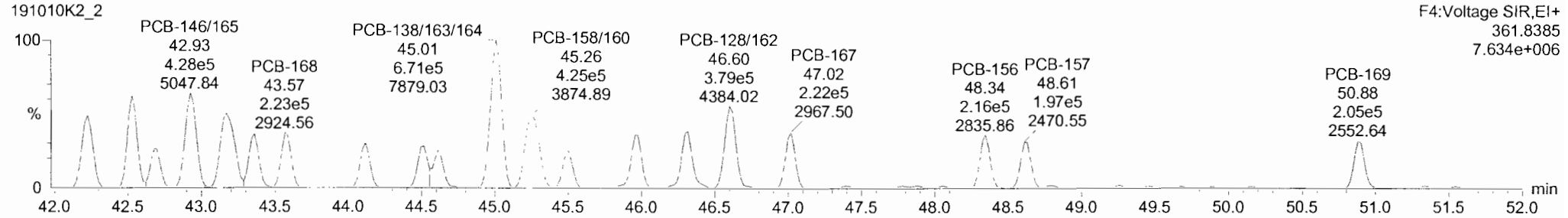
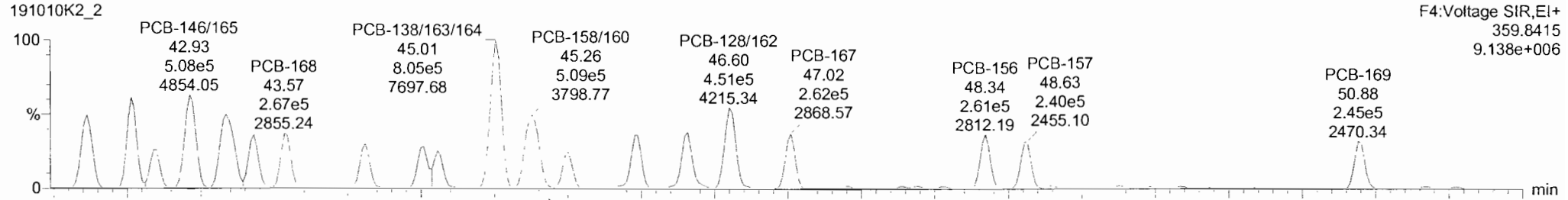
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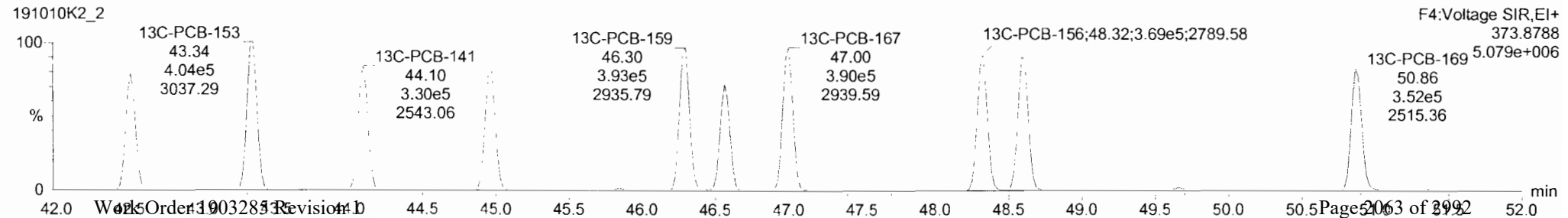
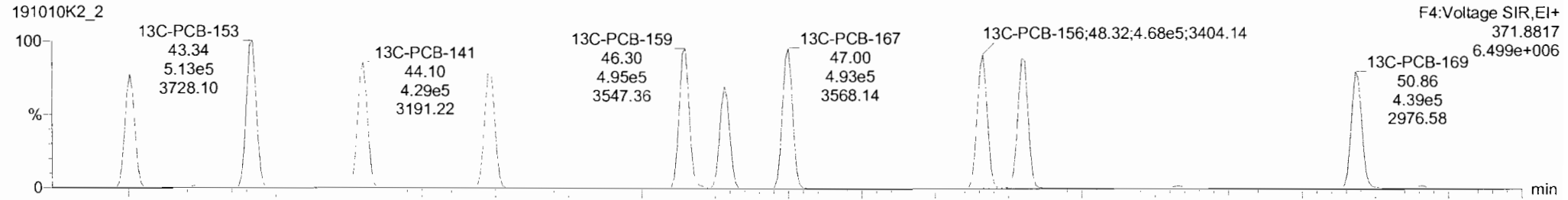
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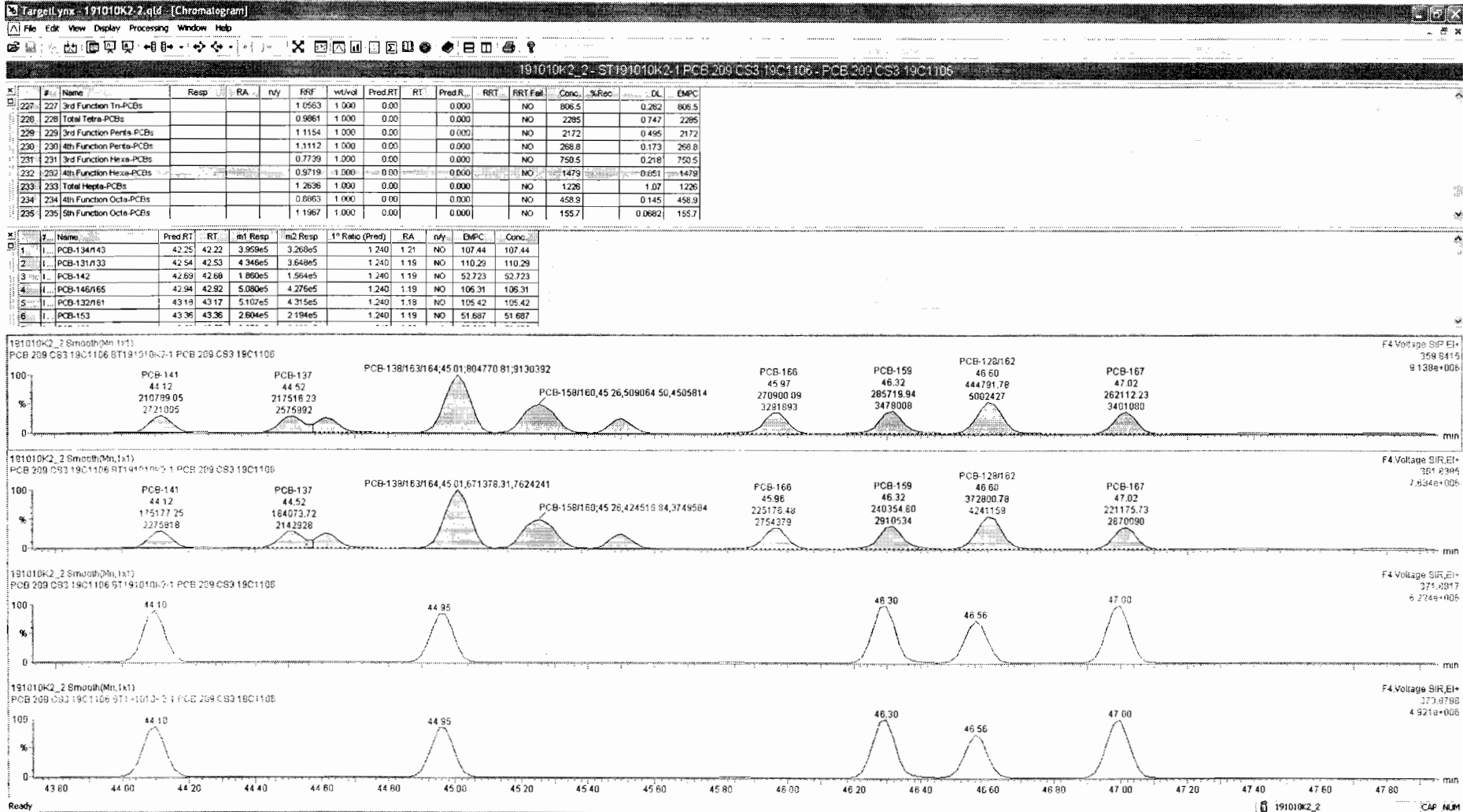
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PCB-134/143



13C-PCB-153





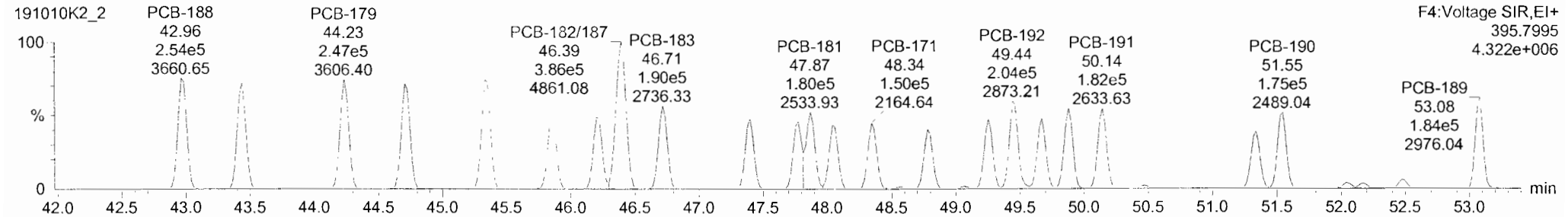
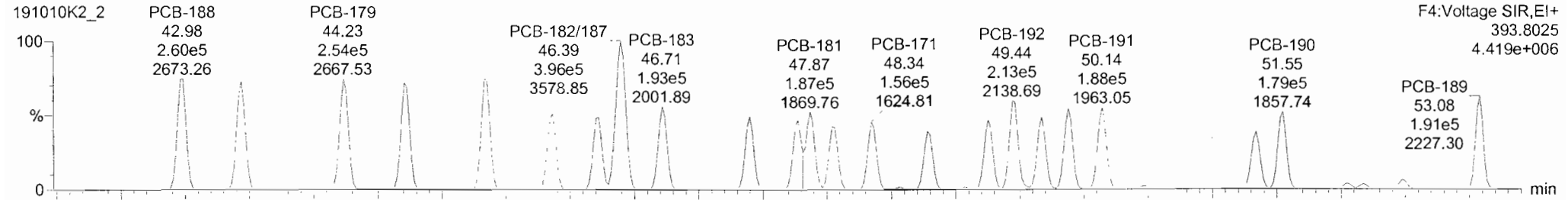
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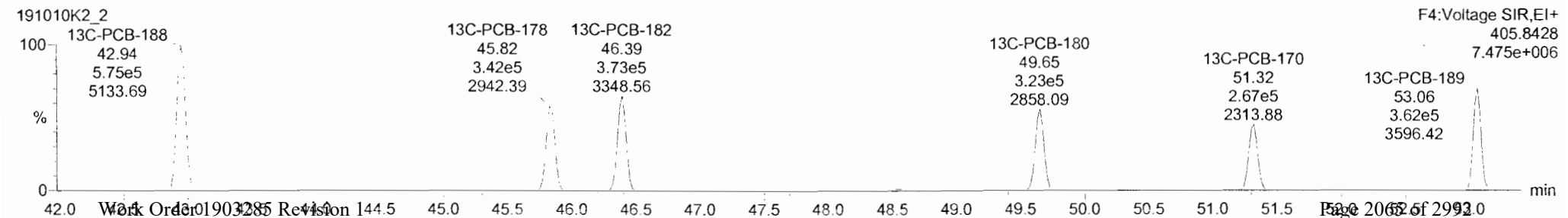
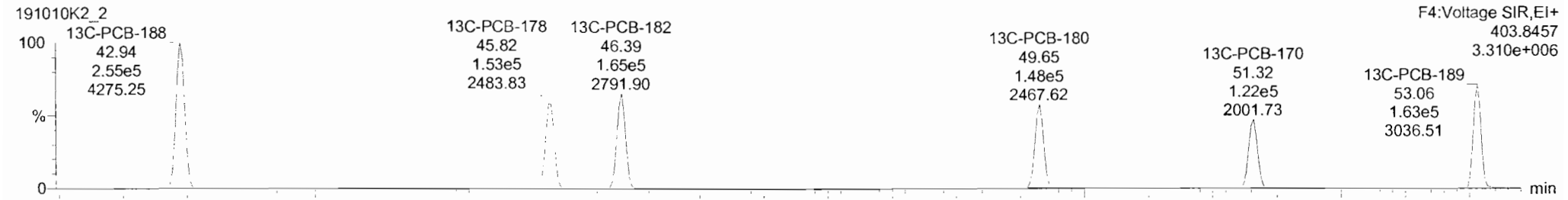
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188



13C-PCB-188



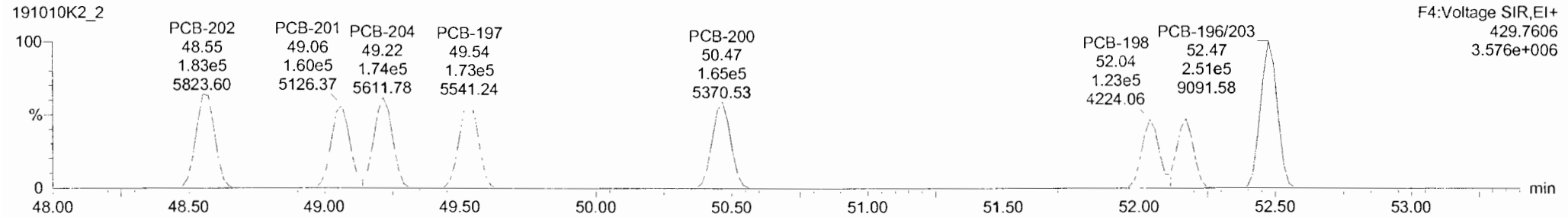
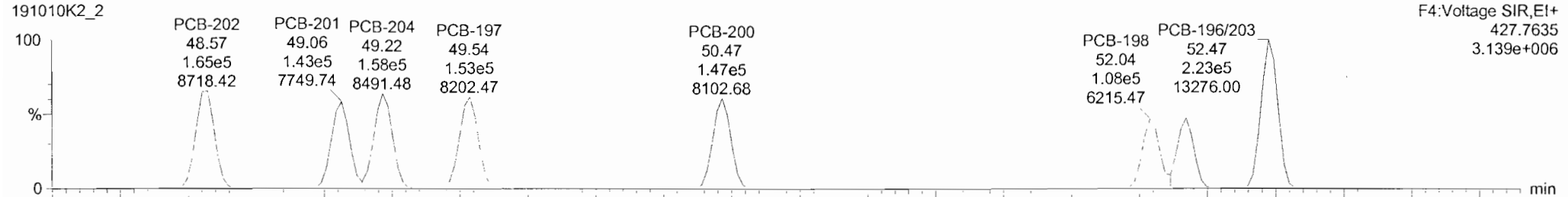
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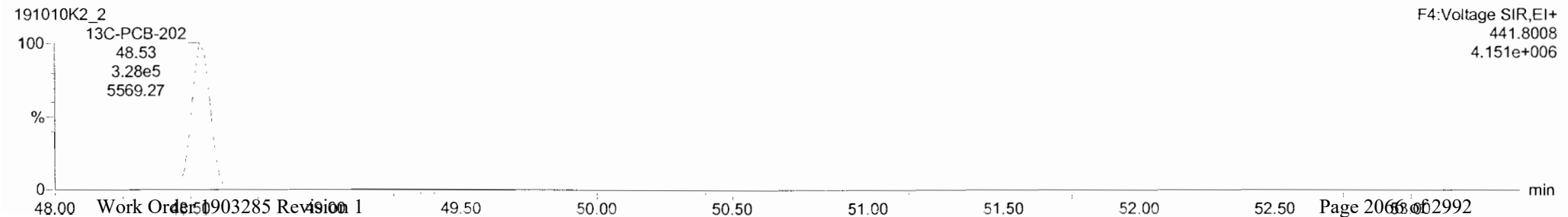
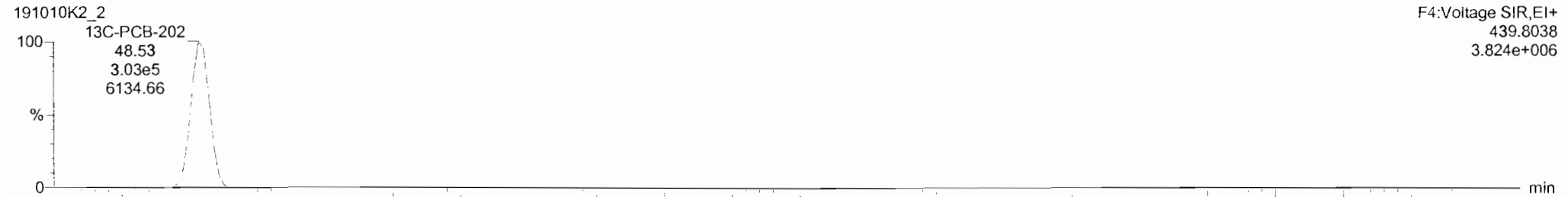
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Name: 191010K2_2, Date: 11-Oct-2019, Time: 04:07:52, ID: ST191010K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-202



13C-PCB-202



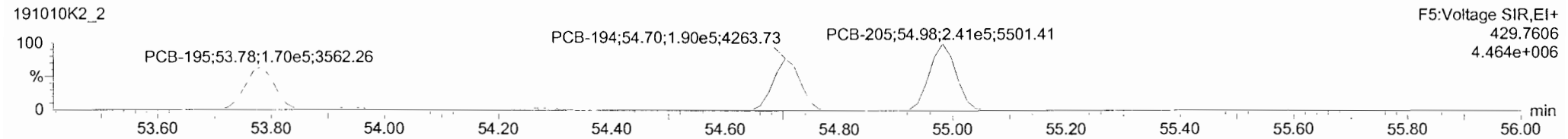
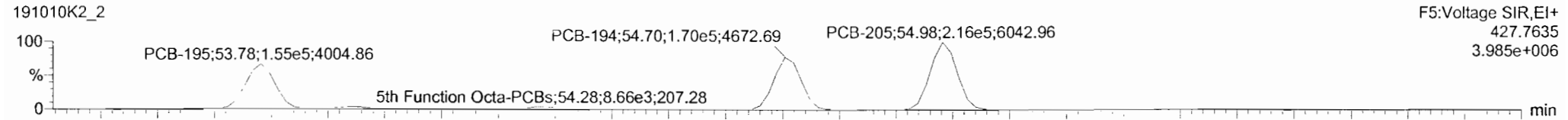
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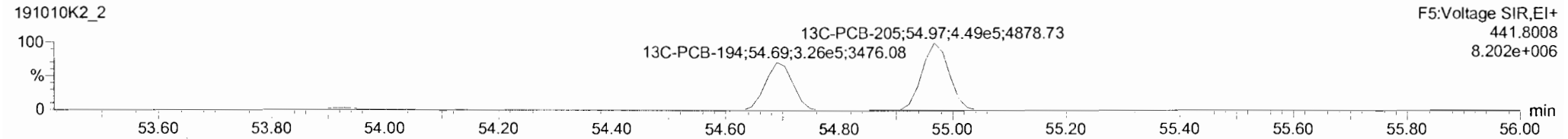
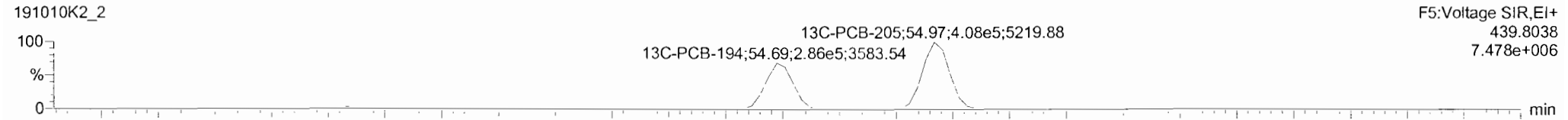
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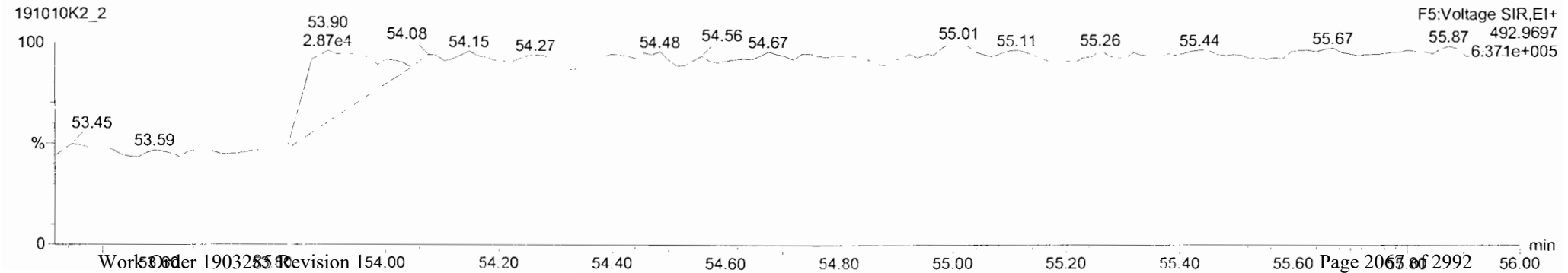
PCB-195



13C-PCB-194



PFK5



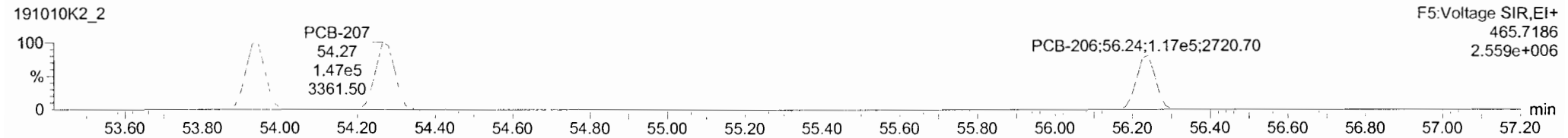
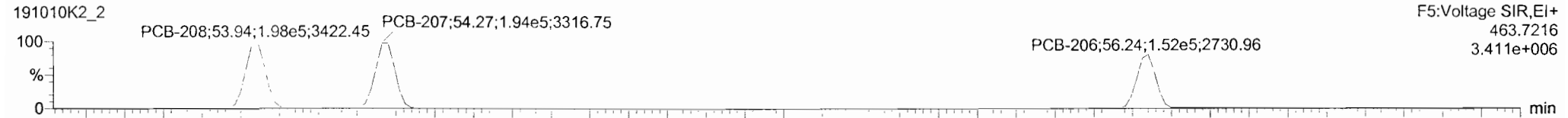
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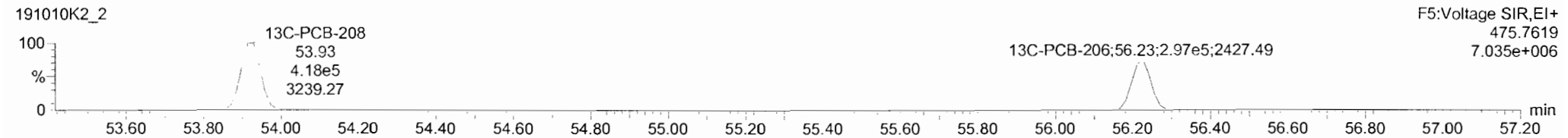
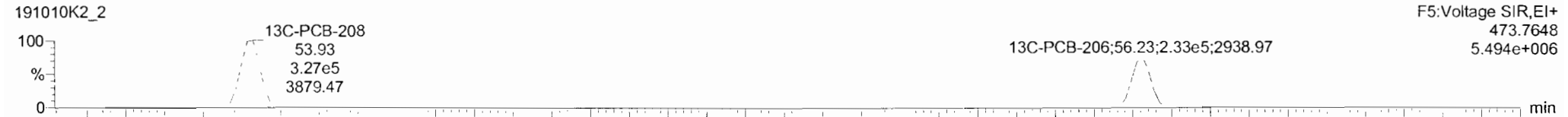
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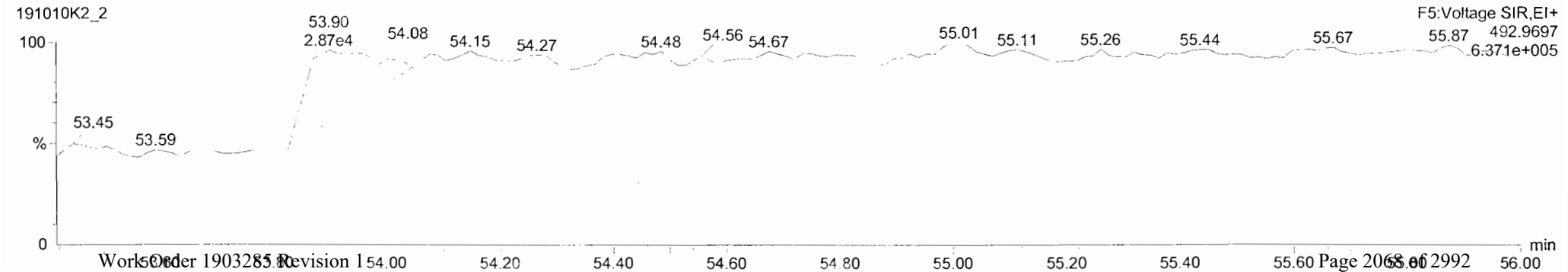
PCB-208



13C-PCB-208



PFK5



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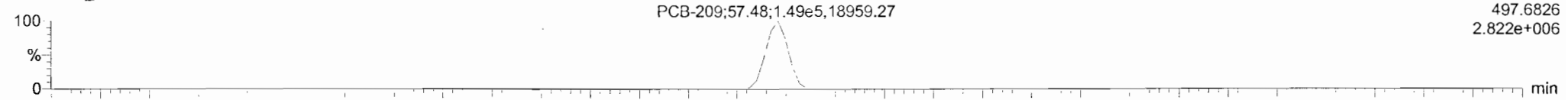
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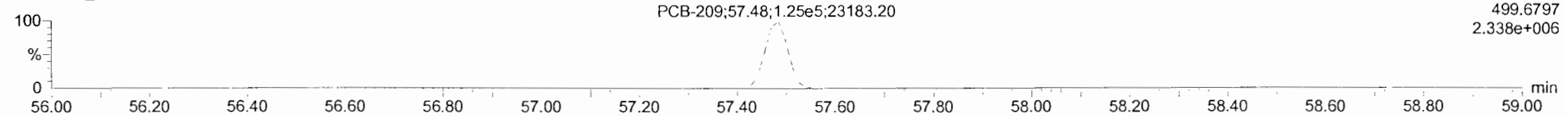
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PCB-209

191010K2_2

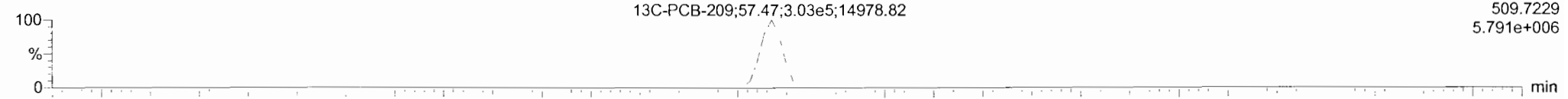


191010K2_2

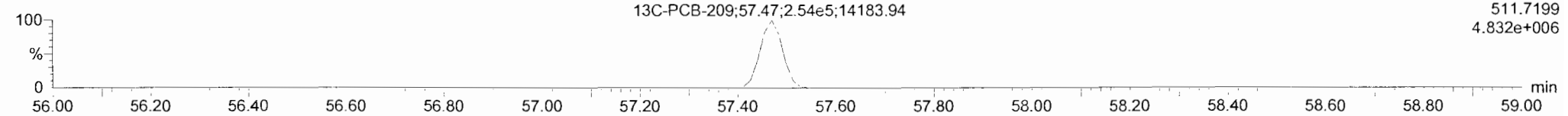


13C-PCB-209

191010K2_2

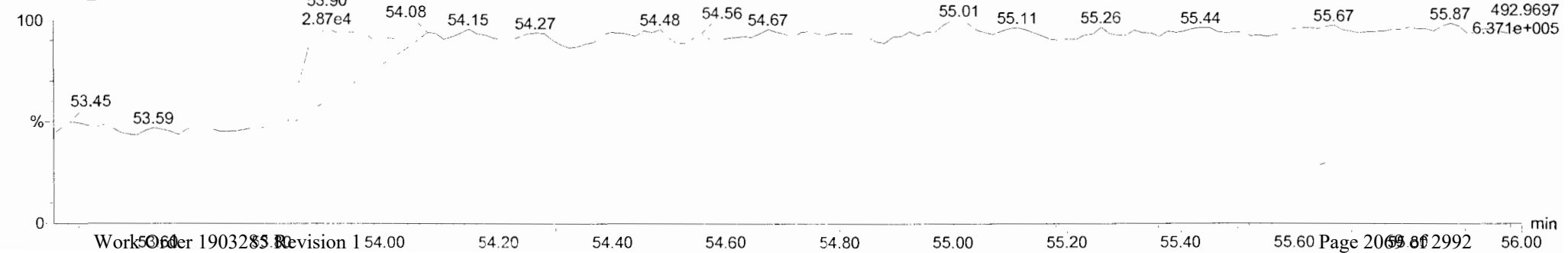


191010K2_2



PFK5

191010K2_2

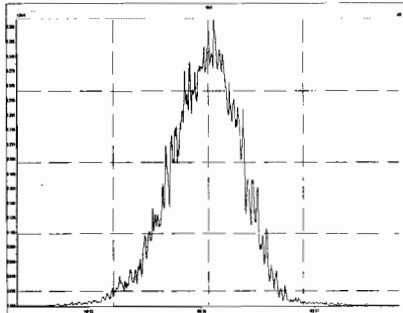


- PFK drain

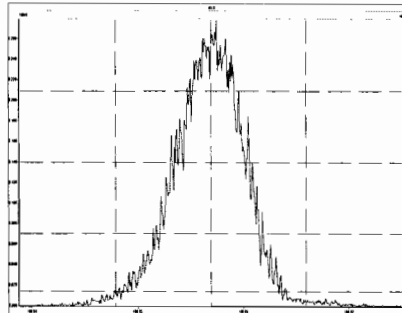
(A) did not centroid

(B) column bleed

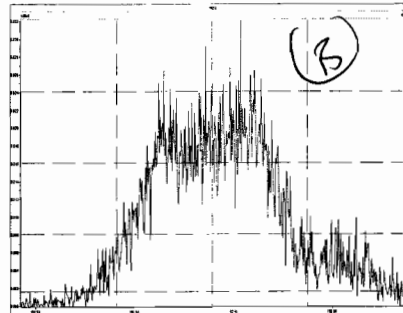
M 168.9888 R 11881



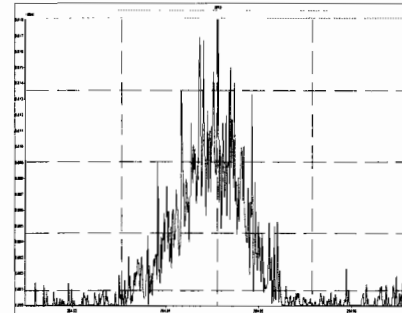
M 180.9888 R 11998



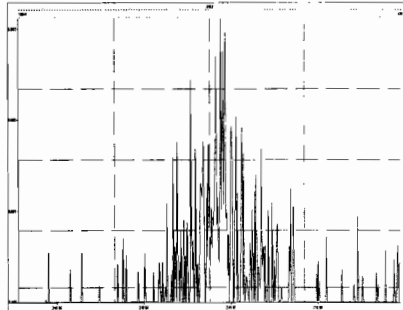
M 192.9888 R 6832



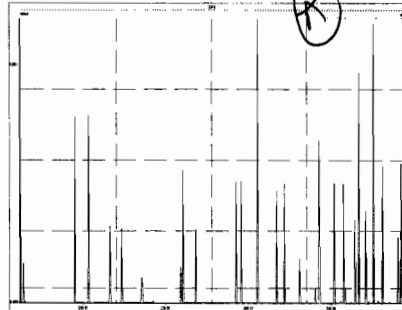
M 204.9888 R 16887



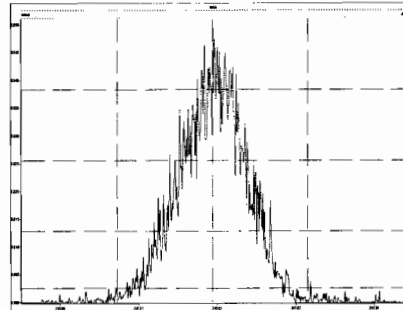
M 218.9856 R 136477



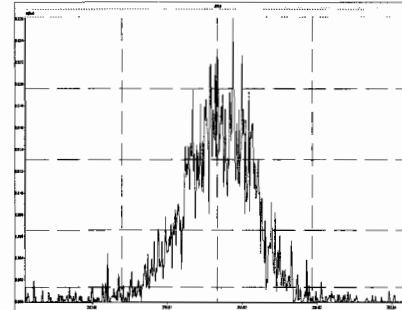
M 230.9856 R 388896



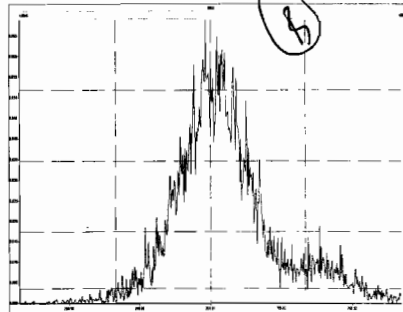
M 242.9856 R 13951



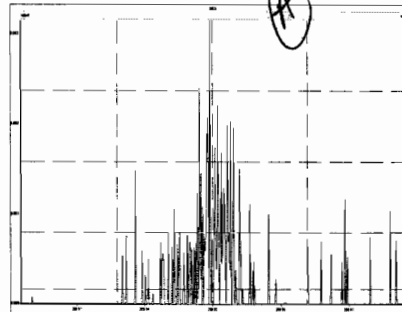
M 254.9856 R 14029



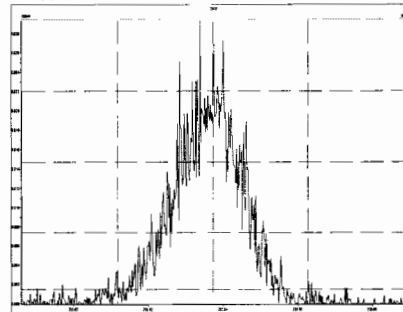
M 268.9824 R 8599



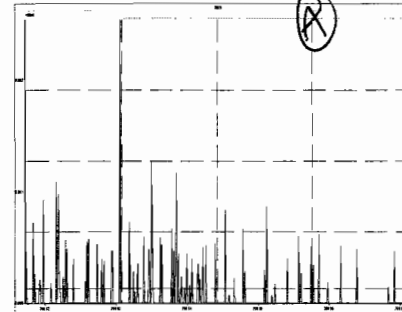
M 280.9824 R 0



M 254.9856 R 13815

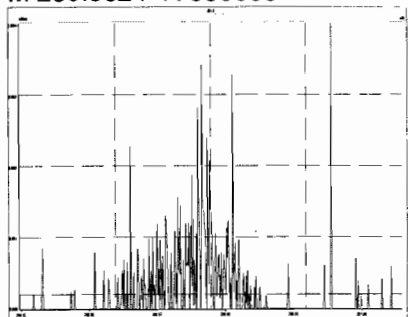


M 268.9824 R 249995

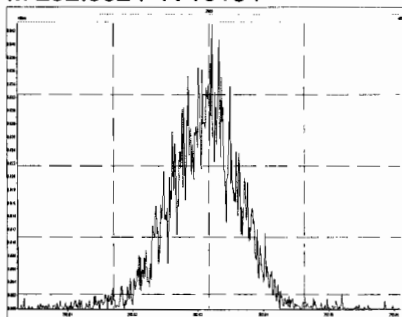


Printed: Friday, October 11, 2019 15:42:46 Pacific Daylight Time

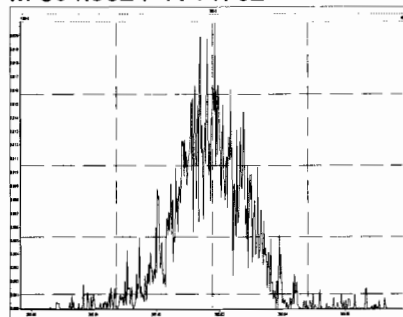
M 280.9824 R 555555



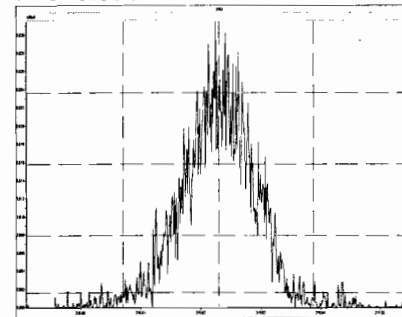
M 292.9824 R 13194



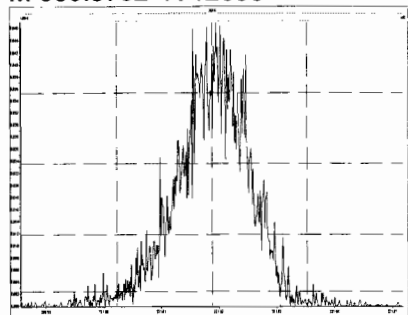
M 304.9824 R 14752



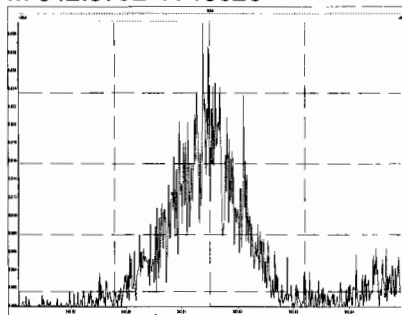
M 318.9792 R 13822



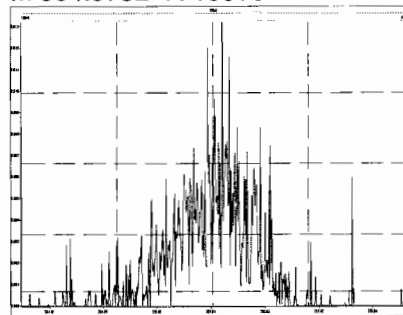
M 330.9792 R 12698



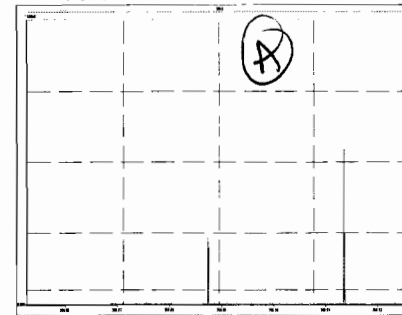
M 342.9792 R 13626



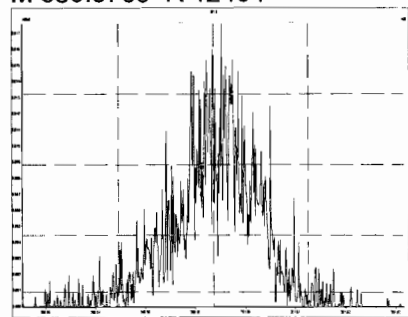
M 354.9792 R 18593



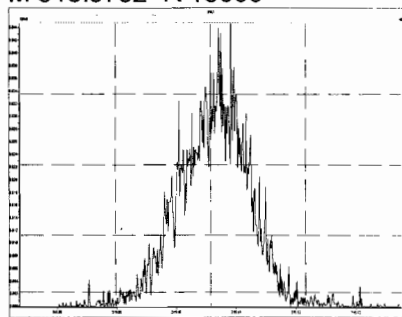
M 366.9792 R 312524



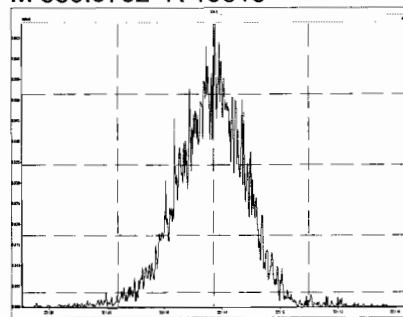
M 380.9760 R 12464



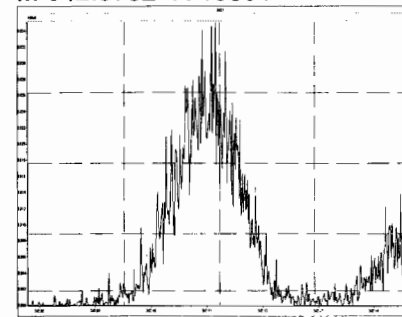
M 318.9792 R 13600



M 330.9792 R 13513

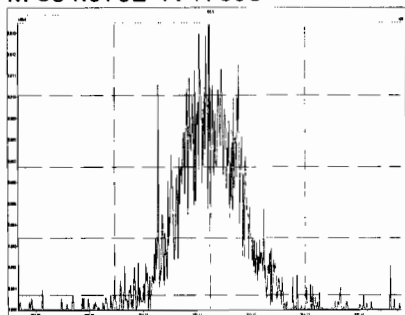


M 342.9792 R 15301

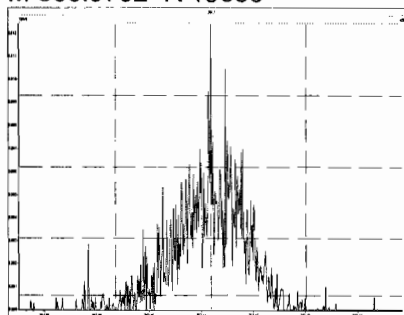


Printed: Friday, October 11, 2019 15:42:46 Pacific Daylight Time

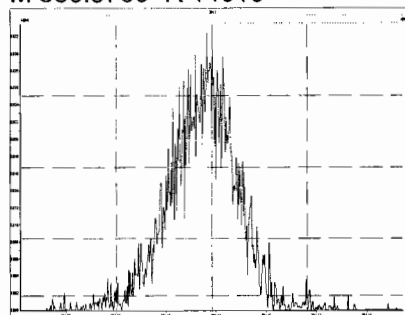
M 354.9792 R 17803



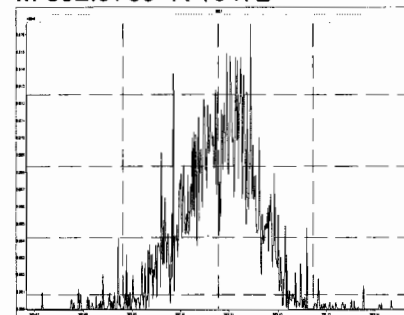
M 366.9792 R 19586



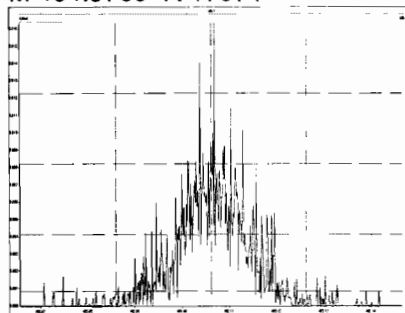
M 380.9760 R 14010



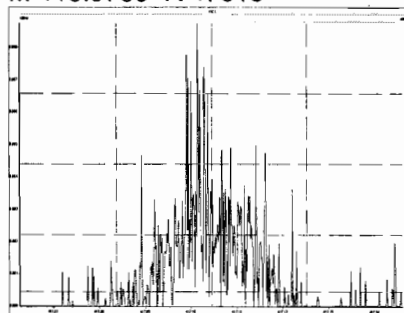
M 392.9760 R 16472



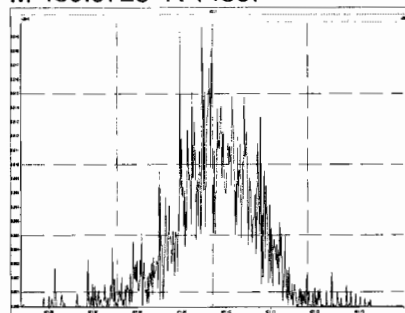
M 404.9760 R 17071



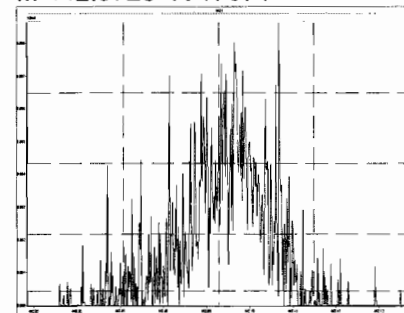
M 416.9760 R 47618



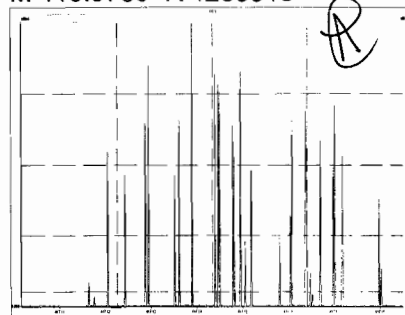
M 430.9728 R 14357



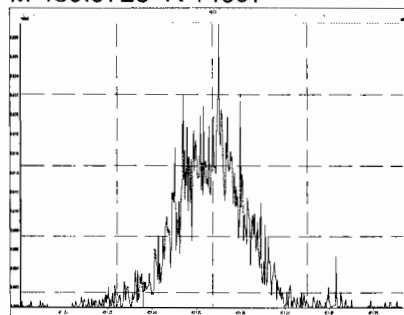
M 442.9728 R 17871



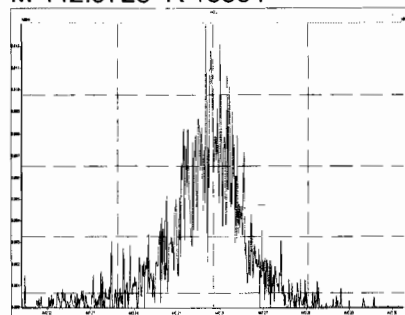
M 416.9760 R 1250013



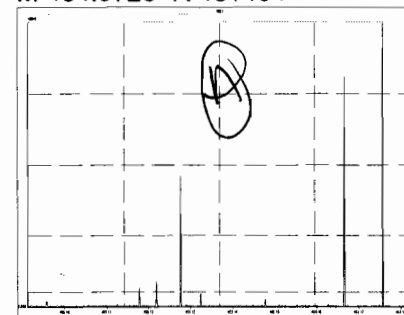
M 430.9728 R 14097



M 442.9728 R 18554

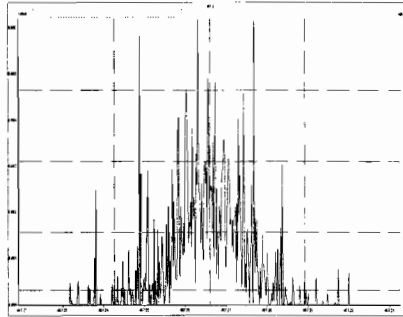


M 454.9728 R 451404

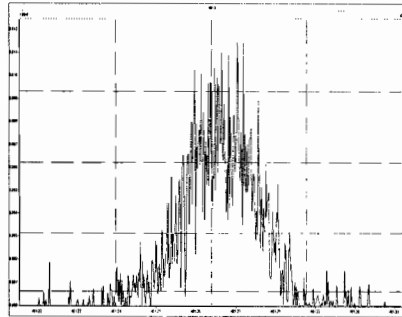


Printed: Friday, October 11, 2019 15:42:46 Pacific Daylight Time

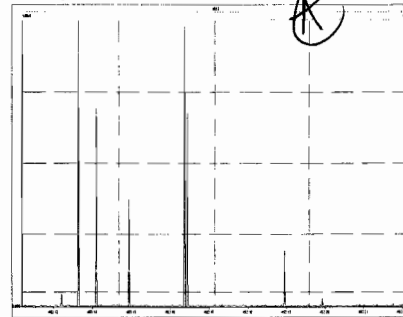
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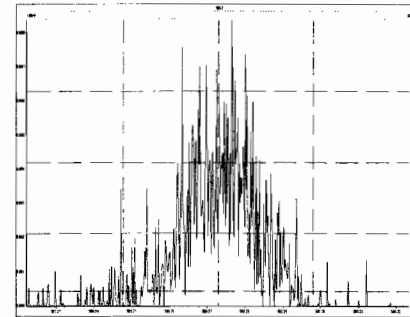
M 480.9696 R 14534



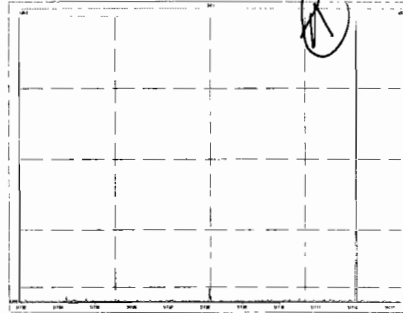
M 492.9696 R 292203



M 504.9696 R 21670



M 516.9697 R 1250072



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191012K1-1

Reviewed By: CT 10/15/19
Initials & Date

End Calibration ID: N/A

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> N/A
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/> N/A	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>EL</u>	↓
Run Log:		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> N/A
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<u>EL</u>	

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly? N/A

GC Break <20% N/A

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours N/A

Comments:
 (A) End res check had a few masses that did not centroid. EL 10-14-19

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-1.qld

Last Altered: Saturday, October 12, 2019 15:52:51 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:33:09 Pacific Daylight Time

EL 10-14-19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	7.68e5	3.03	NO	1.02	1.000	15.50	15.51	1.001	1.001	NO	49.08	98.2	0.0147	49.08
2	2 PCB-2	7.67e5	2.96	NO	1.01	1.000	17.91	17.92	0.988	0.988	NO	48.61	97.2	0.0149	48.61
3	3 PCB-3	7.61e5	2.90	NO	1.01	1.000	18.14	18.14	1.001	1.001	NO	48.36	96.7	0.0149	48.36
4	4 PCB-4/10	1.00e6	1.54	NO	1.28	1.000	19.57	19.57	1.004	1.004	NO	91.93	91.9	0.0912	91.93
5	5 PCB-7/9	1.21e6	1.52	NO	0.976	1.000	21.37	21.36	1.003	1.002	NO	92.90	92.9	0.0788	92.90
6	6 PCB-6	6.41e5	1.54	NO	1.02	1.000	22.02	22.01	1.033	1.033	NO	47.07	94.1	0.0756	47.07
7	7 PCB-5/8	1.28e6	1.54	NO	1.01	1.000	22.43	22.43	1.052	1.052	NO	94.70	94.7	0.0760	94.70
8	8 PCB-14	6.49e5	1.52	NO	1.03	1.000	23.58	23.56	0.952	0.951	NO	47.13	94.3	0.0780	47.13
9	9 PCB-11	6.85e5	1.55	NO	1.10	1.000	24.79	24.79	1.001	1.001	NO	46.87	93.7	0.0735	46.87
10	10 PCB-12/13	1.30e6	1.52	NO	1.04	1.000	25.22	25.16	1.018	1.016	NO	93.68	93.7	0.0777	93.69
11	11 PCB-15	6.39e5	1.54	NO	1.03	1.000	25.52	25.51	1.030	1.030	NO	46.61	93.2	0.0783	46.61
12	12 PCB-19	4.72e5	0.96	NO	0.934	1.000	23.75	23.74	1.001	1.001	NO	49.74	99.5	0.0208	49.74
13	13 PCB-30	7.53e5	0.96	NO	1.48	1.000	24.64	24.65	1.039	1.040	NO	50.01	100	0.0131	50.01
14	14 PCB-18	5.03e5	0.96	NO	0.693	1.000	25.44	25.43	0.952	0.952	NO	49.58	99.2	0.0204	49.58
15	15 PCB-17	4.77e5	0.97	NO	0.667	1.000	25.60	25.60	0.958	0.958	NO	48.79	97.6	0.0212	48.79
16	16 PCB-24/27	1.35e6	0.94	NO	0.915	1.000	26.21	26.19	0.981	0.980	NO	100.6	101	0.0155	100.6
17	17 PCB-16/32	1.16e6	0.94	NO	0.792	1.000	26.74	26.73	1.001	1.000	NO	100.3	100	0.0178	100.3
18	18 PCB-34	5.22e5	1.03	NO	0.987	1.000	27.55	27.56	0.959	0.959	NO	45.03	90.1	0.0307	45.03
19	19 PCB-23	5.33e5	1.04	NO	0.974	1.000	27.65	27.65	0.962	0.962	NO	46.61	93.2	0.0311	46.62
20	20 PCB-29	5.23e5	1.04	NO	0.953	1.000	27.91	27.89	0.972	0.971	NO	46.73	93.5	0.0318	46.73
21	21 PCB-26	5.52e5	1.05	NO	1.00	1.000	28.13	28.11	0.979	0.979	NO	47.02	94.0	0.0303	47.02
22	22 PCB-25	5.50e5	1.01	NO	0.978	1.000	28.29	28.28	0.985	0.984	NO	47.93	95.9	0.0310	47.93
23	23 PCB-31	5.95e5	1.03	NO	1.12	1.000	28.66	28.65	0.998	0.997	NO	45.12	90.2	0.0270	45.12
24	24 PCB-28	6.27e5	1.04	NO	1.11	1.000	28.75	28.75	1.001	1.001	NO	48.35	96.7	0.0274	48.35
25	25 PCB-20/21/33	1.70e6	1.04	NO	1.00	1.000	29.37	29.38	1.022	1.023	NO	144.1	96.1	0.0302	144.1
26	26 PCB-22	5.97e5	1.03	NO	1.03	1.000	29.84	29.84	1.039	1.039	NO	49.29	98.6	0.0294	49.29
27	27 PCB-36	5.98e5	1.02	NO	1.18	1.000	30.49	30.48	0.932	0.931	NO	45.70	91.4	0.0280	45.70
28	28 PCB-39	5.57e5	1.01	NO	1.08	1.000	30.96	30.96	0.946	0.946	NO	46.18	92.4	0.0304	46.18
29	29 PCB-38	5.89e5	1.03	NO	1.13	1.000	31.77	31.76	0.971	0.970	NO	46.87	93.7	0.0292	46.87
30	30 PCB-35	5.88e5	1.01	NO	1.13	1.000	32.31	32.30	0.987	0.987	NO	46.64	93.3	0.0291	46.64
31	31 PCB-37	5.78e5	1.02	NO	1.11	1.000	32.76	32.75	1.001	1.001	NO	46.94	93.9	0.0298	46.95
32	32 PCB-54	5.78e5	0.71	NO	0.996	1.000	27.59	27.59	1.001	1.001	NO	48.33	96.7	0.0200	48.33

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-1.qld

Last Altered: Saturday, October 12, 2019 15:52:51 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:33:09 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	4.70e5	0.70	NO	0.781	1.000	28.79	28.80	1.044	1.044	NO	50.13	100 75-125%	0.0255	50.13
34	34 PCB-53	4.39e5	0.71	NO	0.955	1.000	29.46	29.45	0.943	0.943	NO	47.58	95.2	0.0248	47.58
35	35 PCB-51	4.74e5	0.71	NO	1.02	1.000	29.81	29.81	0.955	0.955	NO	47.95	95.9	0.0231	47.95
36	36 PCB-45	3.78e5	0.71	NO	0.808	1.000	30.26	30.25	0.969	0.969	NO	48.49	97.0	0.0293	48.49
37	37 PCB-46	3.62e5	0.72	NO	0.754	1.000	30.75	30.76	0.985	0.985	NO	49.72	99.4	0.0314	49.72
38	38 PCB-52/69	1.06e6	0.71	NO	1.09	1.000	31.26	31.26	1.001	1.001	NO	100.8	101	0.0217	100.8
39	39 PCB-73	5.94e5	0.71	NO	1.29	1.000	31.38	31.37	1.005	1.005	NO	47.73	95.5	0.0184	47.73
40	40 PCB-43/49	8.87e5	0.73	NO	0.940	1.000	31.55	31.56	1.010	1.011	NO	97.77	97.8	0.0252	97.77
41	41 PCB-47	4.58e5	0.70	NO	0.869	1.000	31.76	31.76	1.001	1.001	NO	50.10	100	0.0251	50.10
42	42 PCB-48/75	1.02e6	0.72	NO	1.02	1.000	31.87	31.87	1.004	1.004	NO	94.95	94.9	0.0213	94.95
43	43 PCB-65	5.95e5	0.72	NO	1.11	1.000	32.14	32.15	1.013	1.013	NO	51.07	102	0.0197	51.07
44	44 PCB-62	5.13e5	0.72	NO	1.07	1.000	32.25	32.26	1.016	1.016	NO	45.84	91.7	0.0205	45.84
45	45 PCB-44	3.80e5	0.73	NO	0.761	1.000	32.59	32.58	1.027	1.026	NO	47.53	95.1	0.0287	47.53
46	46 PCB-42/59	9.78e5	0.71	NO	0.960	1.000	32.80	32.80	1.033	1.033	NO	96.93	96.9	0.0227	96.93
47	47 PCB-41/64/71/72	2.22e6	0.71	NO	1.08	1.000	33.42	33.42	1.053	1.053	NO	195.2	97.6	0.0202	195.2
48	48 PCB-68	5.88e5	0.70	NO	1.11	1.000	33.68	33.70	1.061	1.062	NO	50.49	101	0.0197	50.49
49	49 PCB-40	2.95e5	0.72	NO	0.577	1.000	33.91	33.90	1.068	1.068	NO	48.69	97.4	0.0378	48.69
50	50 PCB-57	6.32e5	0.72	NO	1.05	1.000	34.27	34.27	0.969	0.969	NO	48.51	97.0	0.0179	48.51
51	51 PCB-67	6.16e5	0.71	NO	0.993	1.000	34.60	34.59	0.978	0.978	NO	49.95	99.9	0.0189	49.95
52	52 PCB-58	6.29e5	0.72	NO	1.11	1.000	34.73	34.72	0.982	0.982	NO	45.48	91.0	0.0168	45.48
53	53 PCB-63	5.87e5	0.72	NO	0.962	1.000	34.88	34.87	0.986	0.986	NO	49.09	98.2	0.0195	49.09
54	54 PCB-74	6.45e5	0.70	NO	1.07	1.000	35.17	35.17	0.994	0.994	NO	48.69	97.4	0.0176	48.69
55	55 PCB-61/70	1.20e6	0.72	NO	0.986	1.000	35.39	35.32	1.000	0.998	NO	97.97	98.0	0.0190	97.97
56	56 PCB-76/66	1.30e6	0.71	NO	1.07	1.000	35.55	35.56	1.005	1.005	NO	98.23	98.2	0.0176	98.23
57	57 PCB-80	6.94e5	0.71	NO	1.08	1.000	35.84	35.84	1.001	1.000	NO	49.71	99.4	0.0173	49.71
58	58 PCB-55	6.74e5	0.72	NO	1.07	1.000	36.16	36.15	1.010	1.009	NO	49.00	98.0	0.0176	49.00
59	59 PCB-56/60	1.20e6	0.71	NO	0.934	1.000	36.66	36.65	1.024	1.023	NO	99.60	99.6	0.0201	99.60
60	60 PCB-79	6.64e5	0.71	NO	1.04	1.000	37.78	37.77	1.055	1.055	NO	49.32	98.6	0.0179	49.33
61	61 PCB-78	6.26e5	0.71	NO	1.03	1.000	38.49	38.48	0.987	0.987	NO	47.66	95.3	0.0190	47.66
62	62 PCB-81	5.52e5	0.72	NO	0.933	1.000	39.02	39.04	1.000	1.001	NO	46.55	93.1	0.0210	46.55
63	63 PCB-77	6.29e5	0.72	NO	1.03	1.000	39.65	39.65	1.000	1.000	NO	49.47	98.9	0.0198	49.47
64	64 PCB-104	6.04e5	1.51	NO	0.995	1.000	32.43	32.43	1.001	1.001	NO	49.23	98.5	0.0169	49.23
65	65 PCB-96	6.21e5	1.49	NO	0.996	1.000	33.73	33.73	1.041	1.041	NO	50.51	101	0.0169	50.51
66	66 PCB-103	4.84e5	1.49	NO	0.774	1.000	34.29	34.29	1.058	1.058	NO	50.68	101	0.0217	50.68
67	67 PCB-100	4.96e5	1.47	NO	0.778	1.000	34.66	34.66	1.069	1.069	NO	51.71	103	0.0217	51.71
68	68 PCB-94	3.93e5	1.45	NO	0.773	1.000	35.17	35.15	0.985	0.985	NO	49.79	99.6	0.0271	49.79

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-1.qld

Last Altered: Saturday, October 12, 2019 15:52:51 Pacific Daylight Time

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Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.55e6	1.49	NO	1.01	1.000	35.64	35.63	0.999	0.998	NO	149.5	99.7	0.0206	149.5
70	70 PCB-93	4.11e5	1.52	NO	0.841	1.000	35.77	35.76	1.002	1.002	NO	47.84	95.7	0.0249	47.84
71	71 PCB-88/91	8.98e5	1.46	NO	0.890	1.000	36.12	36.12	1.012	1.012	NO	98.80	98.8	0.0235	98.80
72	72 PCB-121	7.30e5	1.48	NO	1.39	1.000	36.21	36.21	1.015	1.015	NO	51.54	103	0.0151	51.54
73	73 PCB-84/92	8.67e5	1.46	NO	0.879	1.000	37.06	37.05	0.990	0.990	NO	101.1	101	0.0255	101.1
74	74 PCB-89	4.79e5	1.51	NO	0.959	1.000	37.26	37.25	0.996	0.996	NO	51.13	102	0.0234	51.13
75	75 PCB-90/101	9.43e5	1.49	NO	0.944	1.000	37.44	37.44	1.000	1.000	NO	102.4	102	0.0238	102.4
76	76 PCB-113	6.22e5	1.49	NO	1.23	1.000	37.68	37.68	1.007	1.007	NO	51.80	104	0.0182	51.80
77	77 PCB-99	5.72e5	1.52	NO	1.12	1.000	37.78	37.79	1.010	1.010	NO	52.38	105	0.0201	52.38
78	78 PCB-119	6.51e5	1.51	NO	1.47	1.000	38.27	38.26	0.987	0.987	NO	51.10	102	0.0175	51.10
79	79 PCB-108/112	1.11e6	1.54	NO	1.25	1.000	38.43	38.42	0.991	0.991	NO	102.4	102	0.0206	102.4
80	80 PCB-83	6.81e5	1.48	NO	1.55	1.000	38.60	38.59	0.996	0.995	NO	50.86	102	0.0166	50.86
81	81 PCB-97	4.77e5	1.54	NO	1.07	1.000	38.82	38.80	1.001	1.000	NO	51.31	103	0.0240	51.31
82	82 PCB-86	4.29e5	1.52	NO	0.996	1.000	38.96	38.94	1.005	1.004	NO	49.82	99.6	0.0259	49.82
83	83 PCB-87/117/125	1.82e6	1.50	NO	1.33	1.000	39.07	39.08	1.008	1.008	NO	157.6	105	0.0193	157.6
84	84 PCB-111/115	1.37e6	1.50	NO	1.60	1.000	39.24	39.24	1.012	1.012	NO	98.98	99.0	0.0161	98.98
85	85 PCB-85/116	1.07e6	1.52	NO	1.22	1.000	39.36	39.35	1.015	1.015	NO	101.9	102	0.0212	101.9
86	86 PCB-120	7.32e5	1.50	NO	1.68	1.000	39.63	39.61	1.022	1.022	NO	50.34	101	0.0153	50.34
87	87 PCB-110	6.54e5	1.55	NO	1.49	1.000	39.77	39.76	1.026	1.025	NO	50.87	102	0.0173	50.87
88	88 PCB-82	4.03e5	1.50	NO	0.674	1.000	40.39	40.40	0.975	0.975	NO	49.50	99.0	0.0262	49.50
89	89 PCB-124	6.85e5	1.49	NO	1.16	1.000	41.13	41.12	0.993	0.993	NO	48.86	97.7	0.0152	48.86
90	90 PCB-107/109	1.39e6	1.51	NO	1.17	1.000	41.27	41.25	0.996	0.996	NO	98.60	98.6	0.0151	98.60
91	91 PCB-123	6.25e5	1.52	NO	1.04	1.000	41.44	41.44	1.000	1.000	NO	49.74	99.5	0.0170	49.74
92	92 PCB-106/118	1.33e6	1.48	NO	1.07	1.000	41.64	41.64	1.001	1.001	NO	97.41	97.4	0.0155	97.41
93	93 PCB-114	4.79e5	1.59	NO	1.16	1.000	42.30	42.30	1.000	1.000	NO	47.92	95.8	0.0576	47.92
94	94 PCB-122	4.32e5	1.56	NO	0.973	1.000	42.43	42.43	1.003	1.004	NO	51.57	103	0.0688	51.57
95	95 PCB-105	4.70e5	1.56	NO	1.10	1.000	43.19	43.19	1.000	1.000	NO	47.11	94.2	0.0585	47.11
96	96 PCB-127	5.13e5	1.58	NO	1.11	1.000	43.55	43.55	1.000	1.000	NO	48.91	97.8	0.0572	48.91
97	97 PCB-126	5.29e5	1.57	NO	1.21	1.000	45.50	45.50	1.000	1.000	NO	48.76	97.5	0.0550	48.76
98	98 PCB-155	4.97e5	1.24	NO	0.874	1.000	36.97	36.97	1.000	1.000	NO	49.29	98.6	0.0106	49.29
99	99 PCB-150	5.27e5	1.25	NO	0.881	1.000	38.27	38.28	1.036	1.036	NO	51.90	104	0.0106	51.90
100	1... PCB-152	6.04e5	1.24	NO	1.00	1.000	38.76	38.76	1.049	1.049	NO	52.15	104	0.00926	52.15
101	1... PCB-145	5.81e5	1.23	NO	1.00	1.000	39.20	39.22	1.061	1.061	NO	50.39	101	0.00931	50.39
102	1... PCB-136	4.98e5	1.25	NO	0.843	1.000	39.56	39.56	1.071	1.071	NO	51.25	102	0.0110	51.25
103	1... PCB-148	4.06e5	1.27	NO	0.693	1.000	39.67	39.67	1.073	1.074	NO	50.79	102	0.0134	50.79
104	1... PCB-154	4.36e5	1.27	NO	0.724	1.000	40.16	40.19	1.087	1.088	NO	52.24	104	0.0129	52.24

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-1.qld

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Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	3.80e5	1.28	NO	0.632	1.000	40.83	40.84	1.105	1.105	NO	52.09	104	0.0147	52.09
106	1... PCB-135	4.26e5	1.23	NO	0.716	1.000	41.06	41.07	1.111	1.111	NO	51.60	103	0.0130	51.60
107	1... PCB-144	3.79e5	1.23	NO	0.667	1.000	41.16	41.18	1.114	1.114	NO	49.30	98.6	0.0140	49.30
108	1... PCB-147	4.06e5	1.25	NO	0.661	1.000	41.28	41.31	1.117	1.118	NO	53.22	106	0.0141	53.22
109	1... PCB-139/149	9.10e5	1.24	NO	0.738	1.000	41.57	41.59	1.125	1.125	NO	106.9	107	0.0126	106.9
110	1... PCB-140	3.90e5	1.24	NO	0.627	1.000	41.76	41.77	1.130	1.130	NO	53.94	108	0.0148	53.94
111	1... PCB-134/143	6.88e5	1.20	NO	0.733	1.000	42.25	42.22	0.975	0.974	NO	95.24	95.2	0.0478	95.24
112	1... PCB-131/133	7.49e5	1.17	NO	0.790	1.000	42.54	42.53	0.982	0.981	NO	96.30	96.3	0.0444	96.30
113	1... PCB-142	3.35e5	1.17	NO	0.708	1.000	42.69	42.70	0.985	0.985	NO	48.04	96.1	0.0496	48.04
114	1... PCB-146/165	9.10e5	1.18	NO	0.959	1.000	42.94	42.92	0.991	0.990	NO	96.34	96.3	0.0366	96.34
115	1... PCB-132/161	9.15e5	1.19	NO	0.974	1.000	43.18	43.17	0.996	0.996	NO	95.35	95.3	0.0360	95.35
116	1... PCB-153	4.68e5	1.20	NO	1.01	1.000	43.36	43.36	1.000	1.000	NO	46.97	93.9	0.0347	46.97
117	1... PCB-168	4.80e5	1.17	NO	1.02	1.000	43.59	43.59	1.006	1.006	NO	47.82	95.6	0.0344	47.82
118	1... PCB-141	3.77e5	1.17	NO	0.967	1.000	44.12	44.12	1.000	1.000	NO	47.78	95.6	0.0440	47.77
119	1... PCB-137	4.06e5	1.17	NO	0.987	1.000	44.50	44.52	1.009	1.010	NO	50.42	101	0.0431	50.42
120	1... PCB-130	3.23e5	1.21	NO	0.840	1.000	44.61	44.63	1.012	1.012	NO	47.23	94.5	0.0506	47.23
121	1... PCB-138/163/164	1.53e6	1.17	NO	1.23	1.000	45.01	45.01	1.001	1.001	NO	144.3	96.2	0.0333	144.3
122	1... PCB-158/160	9.87e5	1.17	NO	1.18	1.000	45.25	45.26	1.006	1.006	NO	96.95	97.0	0.0346	96.95
123	1... PCB-129	3.35e5	1.18	NO	0.819	1.000	45.50	45.50	1.012	1.012	NO	47.24	94.5	0.0498	47.24
124	1... PCB-166	5.47e5	1.19	NO	1.07	1.000	45.98	45.97	0.993	0.993	NO	47.98	96.0	0.0313	47.98
125	1... PCB-159	5.76e5	1.16	NO	1.12	1.000	46.32	46.32	1.000	1.000	NO	48.27	96.5	0.0299	48.27
126	1... PCB-128/162	8.93e5	1.17	NO	0.851	1.000	46.60	46.62	1.007	1.007	NO	98.54	98.5	0.0393	98.54
127	1... PCB-167	5.46e5	1.17	NO	1.04	1.000	47.02	47.02	1.000	1.000	NO	48.78	97.6	0.0314	48.78
128	1... PCB-156	5.61e5	1.19	NO	1.06	1.000	48.34	48.34	1.000	1.000	NO	48.35	96.7	0.0303	48.35
129	1... PCB-157	5.27e5	1.18	NO	0.978	1.000	48.65	48.63	1.001	1.000	NO	47.88	95.8	0.0327	47.88
130	1... PCB-169	6.02e5	1.17	NO	1.11	1.000	50.90	50.90	1.000	1.000	NO	48.48	97.0	0.0301	48.48
131	1... PCB-188	5.94e5	1.01	NO	1.19	1.000	42.98	42.98	1.001	1.001	NO	50.20	100	0.0301	50.20
132	1... PCB-184	5.81e5	1.00	NO	1.17	1.000	43.42	43.44	1.011	1.012	NO	50.29	101	0.0308	50.29
133	1... PCB-179	6.03e5	1.02	NO	1.18	1.000	44.23	44.23	1.030	1.030	NO	51.70	103	0.0306	51.70
134	1... PCB-176	6.04e5	1.01	NO	1.16	1.000	44.70	44.72	1.041	1.041	NO	52.60	105	0.0310	52.60
135	1... PCB-186	6.53e5	1.02	NO	1.22	1.000	45.31	45.35	1.055	1.056	NO	54.08	108	0.0295	54.08
136	1... PCB-178	4.40e5	1.02	NO	0.830	1.000	45.82	45.86	1.067	1.068	NO	53.42	107	0.0433	53.42
137	1... PCB-175	4.51e5	1.02	NO	0.849	1.000	46.18	46.22	1.075	1.076	NO	53.63	107	0.0423	53.63
138	1... PCB-182/187	1.01e6	1.02	NO	0.960	1.000	46.38	46.39	1.080	1.080	NO	105.9	106	0.0374	105.9
139	1... PCB-183	4.98e5	1.01	NO	0.957	1.000	46.71	46.71	1.088	1.088	NO	52.53	105	0.0376	52.53
140	1... PCB-185	4.58e5	1.02	NO	1.32	1.000	47.41	47.40	0.955	0.955	NO	46.62	93.2	0.0347	46.62

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Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	4.54e5	1.01	NO	1.22	1.000	47.78	47.78	0.962	0.962	NO	50.03	100	0.0376	50.03
142	1... PCB-181	4.85e5	1.03	NO	1.41	1.000	47.88	47.87	0.964	0.964	NO	46.01	92.0	0.0324	46.01
143	1... PCB-177	4.24e5	1.02	NO	1.24	1.000	48.06	48.06	0.968	0.968	NO	45.94	91.9	0.0370	45.94
144	1... PCB-171	4.34e5	1.02	NO	1.24	1.000	48.35	48.36	0.974	0.974	NO	46.88	93.8	0.0369	46.88
145	1... PCB-173	4.08e5	1.02	NO	1.14	1.000	48.79	48.80	0.983	0.983	NO	48.05	96.1	0.0402	48.05
146	1... PCB-172	4.67e5	1.02	NO	1.31	1.000	49.27	49.27	0.992	0.992	NO	48.03	96.1	0.0351	48.03
147	1... PCB-192	6.09e5	1.02	NO	1.70	1.000	49.46	49.46	0.996	0.996	NO	48.12	96.2	0.0269	48.12
148	1... PCB-180	4.87e5	1.01	NO	1.32	1.000	49.67	49.67	1.000	1.000	NO	49.51	99.0	0.0347	49.51
149	1... PCB-193	5.65e5	1.02	NO	1.54	1.000	49.90	49.88	1.005	1.005	NO	49.31	98.6	0.0298	49.31
150	1... PCB-191	5.77e5	1.03	NO	1.57	1.000	50.14	50.14	1.010	1.010	NO	49.21	98.4	0.0291	49.21
151	1... PCB-170	4.29e5	1.02	NO	1.36	1.000	51.34	51.34	1.000	1.000	NO	47.49	95.0	0.0382	47.49
152	1... PCB-190	5.76e5	1.03	NO	1.84	1.000	51.52	51.54	1.004	1.004	NO	47.07	94.1	0.0282	47.07
153	1... PCB-189	6.25e5	1.02	NO	1.33	1.000	53.08	53.08	1.000	1.000	NO	50.55	101	0.0243	50.56
154	1... PCB-202	5.37e5	0.86	NO	1.02	1.000	48.59	48.57	1.001	1.000	NO	49.97	99.9	0.0150	49.97
155	1... PCB-201	4.98e5	0.86	NO	0.915	1.000	49.08	49.06	1.011	1.010	NO	51.89	104	0.0168	51.89
156	1... PCB-204	5.45e5	0.87	NO	0.979	1.000	49.22	49.22	1.014	1.014	NO	53.00	106	0.0157	53.00
157	1... PCB-197	5.42e5	0.88	NO	0.979	1.000	49.54	49.54	1.020	1.020	NO	52.76	106	0.0157	52.76
158	1... PCB-200	5.32e5	0.89	NO	0.954	1.000	50.49	50.47	1.040	1.039	NO	53.07	106	0.0161	53.07
159	1... PCB-198	4.15e5	0.88	NO	0.748	1.000	52.04	52.06	1.072	1.072	NO	52.79	106	0.0205	52.79
160	1... PCB-199	4.07e5	0.89	NO	0.706	1.000	52.16	52.17	1.074	1.074	NO	54.87	110	0.0217	54.87
161	1... PCB-196/203	8.63e5	0.88	NO	0.785	1.000	52.47	52.47	1.081	1.081	NO	104.7	105	0.0195	104.7
162	1... PCB-195	3.47e5	0.88	NO	1.03	1.000	53.79	53.78	0.984	0.983	NO	48.91	97.8	0.0233	48.91
163	1... PCB-194	3.82e5	0.90	NO	1.16	1.000	54.71	54.70	1.000	1.000	NO	48.24	96.5	0.0209	48.24
164	1... PCB-205	4.71e5	0.88	NO	1.40	1.000	54.97	54.98	1.005	1.005	NO	49.04	98.1	0.0172	49.04
165	1... PCB-208	4.19e5	1.30	NO	0.934	1.000	53.94	53.94	1.000	1.000	NO	48.02	96.0	0.0214	48.02
166	1... PCB-207	4.24e5	1.28	NO	0.912	1.000	54.26	54.28	1.006	1.007	NO	49.81	99.6	0.0219	49.81
167	1... PCB-206	3.26e5	1.28	NO	0.987	1.000	56.24	56.24	1.000	1.000	NO	48.01	96.0	0.0257	48.01
168	1... PCB-209	3.82e5	1.17	NO	0.943	1.000	57.47	57.48	1.000	1.000	NO	48.56	97.1	0.00875	48.56
169	1... 13C-PCB-1	1.53e6	3.06	NO	1.08	1.000	15.50	15.49	0.608	0.608	NO	102.7	103	0.0901	102.7
170	1... 13C-PCB-3	1.56e6	3.27	NO	1.09	1.000	18.14	18.13	0.712	0.712	NO	103.4	103	0.0890	103.4
171	1... 13C-PCB-4	8.56e5	1.56	NO	0.640	1.000	19.50	19.49	0.765	0.765	NO	96.52	96.5	0.0520	96.52
172	1... 13C-PCB-9	1.34e6	1.55	NO	0.995	1.000	21.32	21.31	0.837	0.836	NO	97.04	97.0	0.0334	97.04
173	1... 13C-PCB-11	1.33e6	1.55	NO	0.971	1.000	24.77	24.77	0.972	0.972	NO	99.04	99.0	0.0342	99.04
174	1... 13C-PCB-19	1.02e6	0.98	NO	0.637	1.000	23.73	23.72	0.931	0.931	NO	115.1	115	0.378	115.1
175	1... 13C-PCB-32	1.47e6	0.96	NO	0.910	1.000	26.72	26.72	1.048	1.049	NO	116.2	116	0.265	116.2
176	1... 13C-PCB-28	1.17e6	0.92	NO	1.07	1.000	28.73	28.73	1.004	1.004	NO	101.9	102	0.380	101.9

75-125%
50-145%

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-1.qld

Last Altered: Saturday, October 12, 2019 15:52:51 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:33:09 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.11e6	0.94	NO	0.959	1.000	32.70	32.73	1.143	1.144	NO	107.7	108	50-145%	0.423
178	1... 13C-PCB-54	1.20e6	0.74	NO	1.10	1.000	27.59	27.57	0.753	0.752	NO	86.86	86.9		0.0912
179	1... 13C-PCB-52	9.65e5	0.75	NO	0.844	1.000	31.25	31.22	0.853	0.852	NO	90.85	90.9		0.119
180	1... 13C-PCB-47	1.05e6	0.73	NO	0.893	1.000	31.76	31.74	0.867	0.866	NO	93.50	93.5		0.112
181	1... 13C-PCB-70	1.24e6	0.74	NO	1.01	1.000	35.39	35.37	0.965	0.965	NO	97.99	98.0		0.0994
182	1... 13C-PCB-80	1.29e6	0.75	NO	1.05	1.000	35.82	35.82	0.977	0.977	NO	97.87	97.9		0.0957
183	1... 13C-PCB-81	1.27e6	0.74	NO	0.985	1.000	39.02	39.00	1.064	1.064	NO	102.6	103		0.102
184	1... 13C-PCB-77	1.23e6	0.76	NO	0.958	1.000	39.63	39.63	1.081	1.081	NO	102.0	102		0.104
185	1... 13C-PCB-104	1.23e6	1.59	NO	1.10	1.000	32.43	32.41	0.827	0.826	NO	90.55	90.6		0.0270
186	1... 13C-PCB-95	1.02e6	1.58	NO	0.852	1.000	35.68	35.69	0.910	0.910	NO	96.55	96.6		0.0348
187	1... 13C-PCB-101	9.76e5	1.58	NO	0.814	1.000	37.43	37.42	0.954	0.954	NO	96.57	96.6		0.0364
188	1... 13C-PCB-97	8.66e5	1.58	NO	0.709	1.000	38.78	38.78	0.989	0.989	NO	98.24	98.2		0.0418
189	1... 13C-PCB-123	1.21e6	1.55	NO	0.922	1.000	41.42	41.42	1.056	1.056	NO	105.4	105		0.0322
190	1... 13C-PCB-118	1.27e6	1.56	NO	0.975	1.000	41.60	41.60	1.061	1.061	NO	105.2	105		0.0304
191	1... 13C-PCB-114	8.61e5	1.52	NO	1.52	1.000	42.27	42.28	0.908	0.908	NO	74.46	74.5		0.0437
192	1... 13C-PCB-105	9.07e5	1.47	NO	1.58	1.000	43.16	43.17	0.927	0.927	NO	75.25	75.3		0.0419
193	1... 13C-PCB-127	9.46e5	1.47	NO	1.62	1.000	43.50	43.53	0.934	0.935	NO	76.62	76.6		0.0409
194	1... 13C-PCB-126	8.95e5	1.48	NO	1.45	1.000	45.47	45.48	0.976	0.977	NO	81.35	81.3		0.0459
195	1... 13C-PCB-155	1.15e6	1.28	NO	1.03	1.000	36.97	36.95	0.943	0.942	NO	90.49	90.5		0.0170
196	1... 13C-PCB-153	9.85e5	1.23	NO	1.42	1.000	43.33	43.34	0.931	0.931	NO	90.88	90.9		0.0625
197	1... 13C-PCB-141	8.15e5	1.26	NO	1.14	1.000	44.09	44.10	0.947	0.947	NO	93.73	93.7		0.0779
198	1... 13C-PCB-138	8.64e5	1.23	NO	1.18	1.000	44.97	44.97	0.966	0.966	NO	96.23	96.2		0.0754
199	1... 13C-PCB-159	1.07e6	1.26	NO	1.43	1.000	46.27	46.30	0.994	0.994	NO	97.69	97.7		0.0621
200	2... 13C-PCB-167	1.07e6	1.22	NO	1.42	1.000	46.99	47.00	1.009	1.009	NO	99.05	99.0		0.0625
201	2... 13C-PCB-156	1.10e6	1.26	NO	1.40	1.000	48.29	48.33	1.037	1.038	NO	103.2	103		0.0637
202	2... 13C-PCB-157	1.13e6	1.24	NO	1.41	1.000	48.59	48.61	1.044	1.044	NO	105.2	105		0.0633
203	2... 13C-PCB-169	1.12e6	1.23	NO	1.35	1.000	50.86	50.88	1.092	1.093	NO	109.4	109		0.0661
204	2... 13C-PCB-188	9.91e5	0.45	NO	1.46	1.000	42.98	42.94	0.927	0.926	NO	92.67	92.7		0.0436
205	2... 13C-PCB-180	7.45e5	0.46	NO	0.932	1.000	49.65	49.65	1.070	1.070	NO	109.3	109		0.0685
206	2... 13C-PCB-170	6.64e5	0.45	NO	0.796	1.000	51.31	51.32	1.106	1.106	NO	114.1	114		0.0802
207	2... 13C-PCB-189	9.28e5	0.44	NO	1.09	1.000	53.03	53.06	1.143	1.144	NO	116.4	116		0.0585
208	2... 13C-PCB-202	1.05e6	0.94	NO	1.45	1.000	48.52	48.55	1.042	1.043	NO	98.98	99.0		0.0295
209	2... 13C-PCB-194	6.86e5	0.90	NO	0.714	1.000	54.70	54.69	0.995	0.995	NO	101.0	101		0.0549
210	2... 13C-PCB-208	9.34e5	0.78	NO	0.896	1.000	53.95	53.93	0.982	0.981	NO	109.5	110		0.0408
211	2... 13C-PCB-206	6.87e5	0.80	NO	0.653	1.000	56.21	56.23	1.023	1.023	NO	110.7	111		0.0560
212	2... 13C-PCB-209	8.35e5	1.18	NO	0.806	1.000	57.46	57.47	1.045	1.046	NO	109.0	109		0.0148

Dataset: U:\VG11.PRO\Results\191012K1\191012K1-1.qld

Last Altered: Saturday, October 12, 2019 15:52:51 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:33:09 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.39e6	1.56	NO	1.00	1.000	25.49	25.48	1.000	0.000	NO	100.0	100	0.0333	
214	2... 13C-PCB-31	1.08e6	0.93	NO	1.00	1.000	28.64	28.62	1.000	0.000	NO	100.0	100	0.406	
215	2... 13C-PCB-60	1.26e6	0.73	NO	1.00	1.000	36.66	36.65	1.000	0.000	NO	100.0	100	0.100	
216	2... 13C-PCB-111	1.24e6	1.57	NO	1.00	1.000	39.22	39.22	1.000	0.000	NO	100.0	100	0.0297	
217	2... 13C-PCB-128	7.61e5	1.24	NO	1.00	1.000	46.58	46.56	1.000	0.000	NO	100.0	100	0.0890	
218	2... 13C-PCB-182	7.31e5	0.46	NO	1.00	1.000	46.41	46.39	0.000	0.000	NO	100.0	100	0.0638	
219	2... 13C-PCB-205	9.51e5	0.89	NO	1.00	1.000	54.98	54.97	1.000	0.000	NO	100.0	100	0.0392	
220	2... 13C-PCB-79	1.30e6	0.74	NO	1.03	1.000	37.76	37.75	1.030	1.030	NO	100.3	100	0.0970	
221	2... 13C-PCB-178	6.78e5	0.44	NO	0.875	1.000	45.85	45.84	0.988	0.988	NO	101.8	102	0.0734	
222	2... 13C-PCB-79	1.30e6	0.74	NO	1.05	1.000	37.73	37.75	0.967	0.968	NO	98.01	98.0	0.0973	
223	2... 13C-PCB-178	6.78e5	0.44	NO	0.975	1.000	45.86	45.84	0.924	0.923	NO	93.38	93.4	0.0642	

75 - 125%
↓

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Monday, October 14, 2019 14:34:19 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:34:42 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-6-19.mdb 07 Oct 2019 09:35:48

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

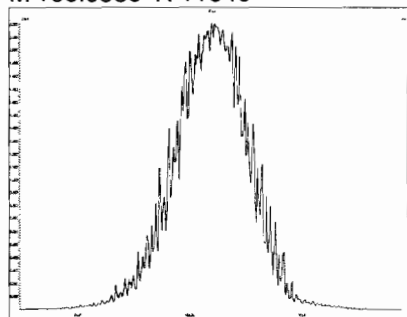
Compound name: PCB-1

Name	ID	Acq Date	Acq Time
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191012K1_2	B9J0112-BS1 OPR 1	12-Oct-19	15:47:38
191012K1_3	SOLVENT BLANK	12-Oct-19	16:49:33
191012K1_4	1903285-09 PDI-105SG-00-0.99-190924 11.73	12-Oct-19	17:51:38
191012K1_5	1903285-10 PDI-106SG-00-01-190924 15.08	12-Oct-19	18:53:42
191012K1_6	1903285-09@15X PDI-105SG-00-0.99-19092...	12-Oct-19	19:56:41
191012K1_7	1903285-10@15X PDI-106SG-00-01-190924 ...	12-Oct-19	20:58:44
191012K1_8	1903285-01@15X PDI-014SG-00-0.78-19092...	12-Oct-19	22:00:48
191012K1_9	1903285-02@15X PDI-1014SG-00-0.78-1909...	12-Oct-19	23:04:03
191012K1_10	1903285-03@15X PDI-015SG-00-0.87-19092...	13-Oct-19	00:06:57
191012K1_11	1903285-04@15X PDI-022SG-00-01-190924 ...	13-Oct-19	01:10:11

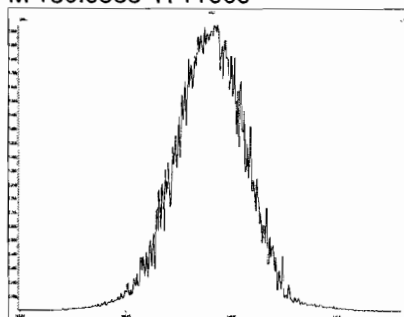
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Printed: Saturday, October 12, 2019 13:52:23 Pacific Daylight Time

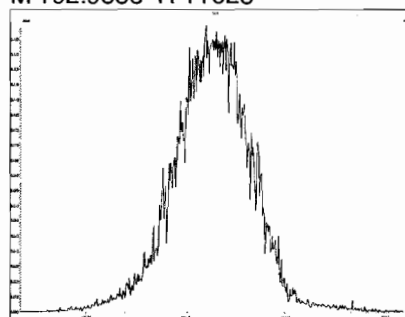
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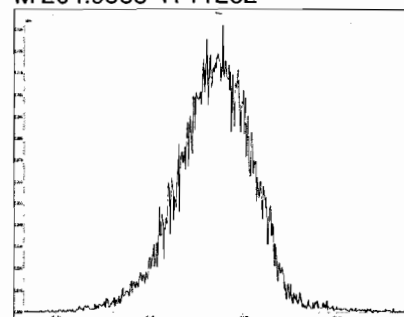
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M 192.9888 R 11628



M 204.9888 R 11262



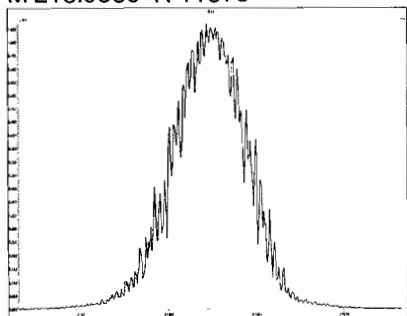
Experiment Calibration Report

MassLynx 4.1 SCN815

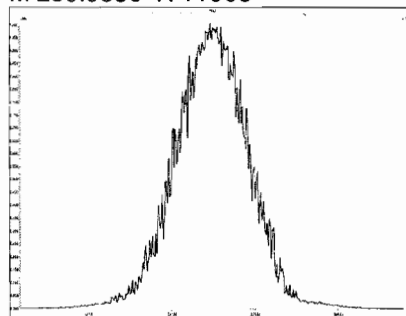
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Printed: Saturday, October 12, 2019 13:52:57 Pacific Daylight Time

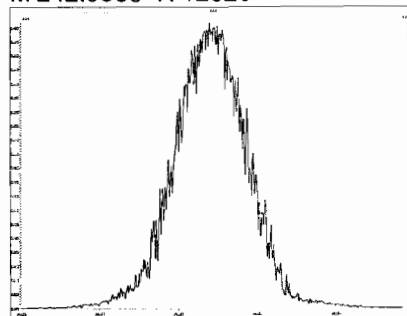
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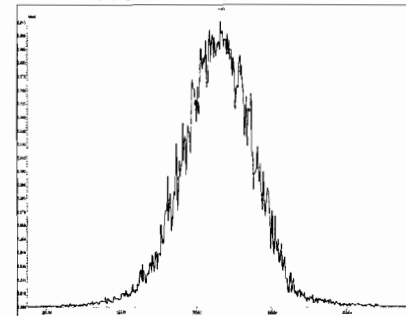
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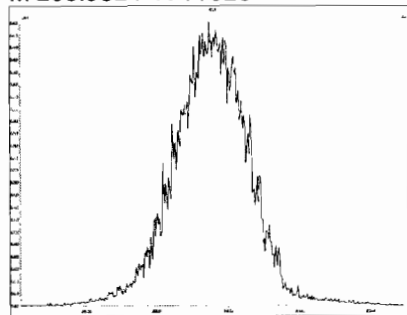
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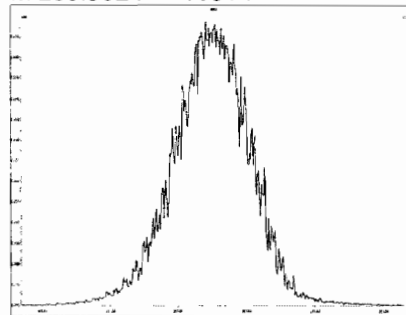
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M 268.9824 R 11628



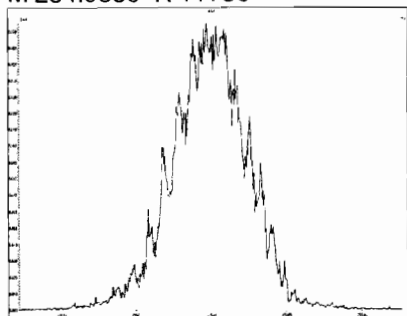
M 280.9824 R 10914



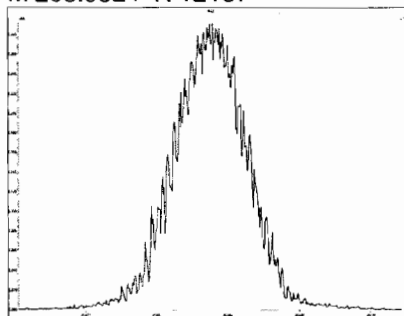
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Printed: Saturday, October 12, 2019 13:55:36 Pacific Daylight Time

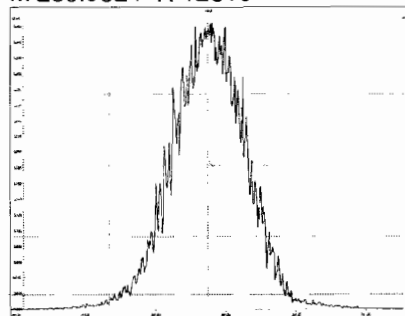
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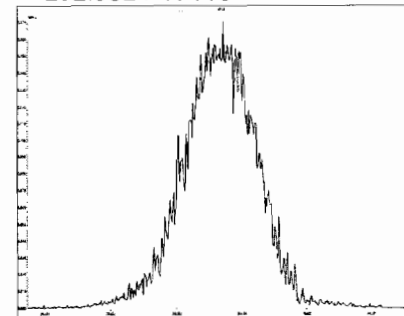
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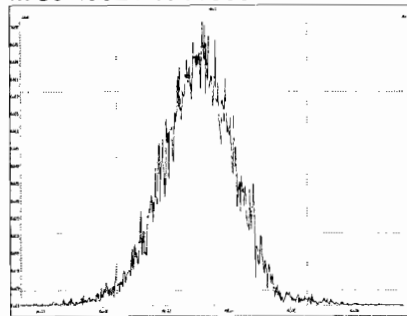
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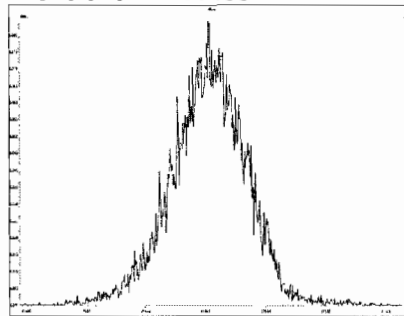
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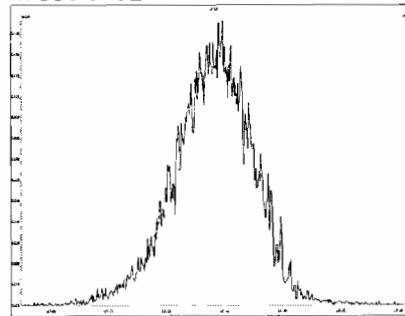
M 304.9824 R 11905



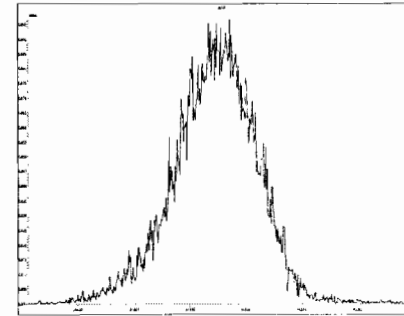
M 318.9792 R 11466



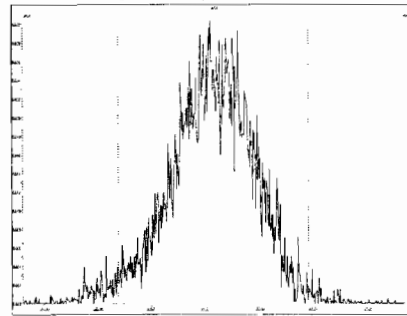
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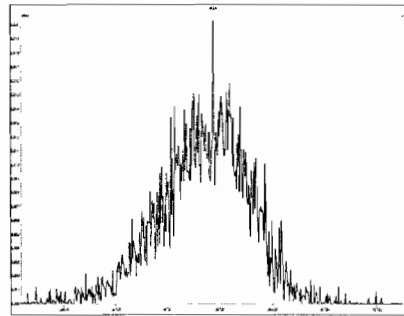
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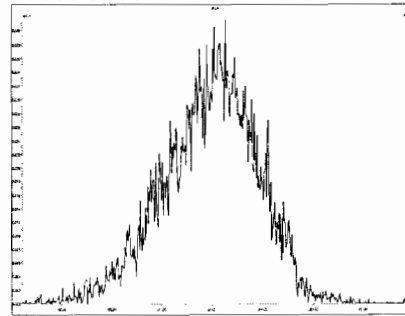
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M 366.9792 R 11313



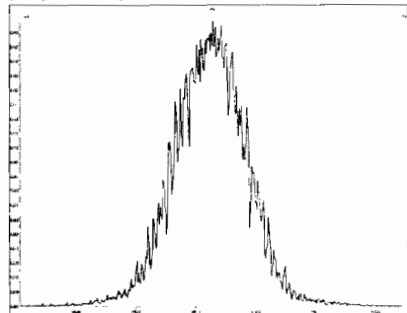
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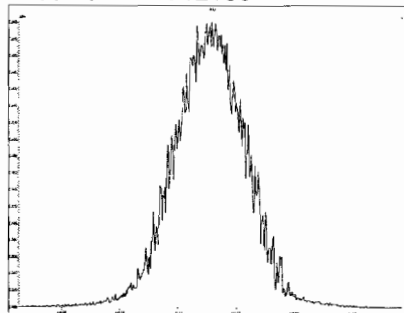
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Printed: Saturday, October 12, 2019 13:56:45 Pacific Daylight Time

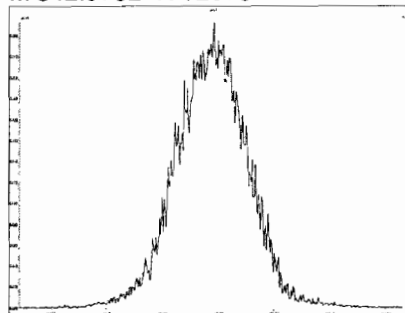
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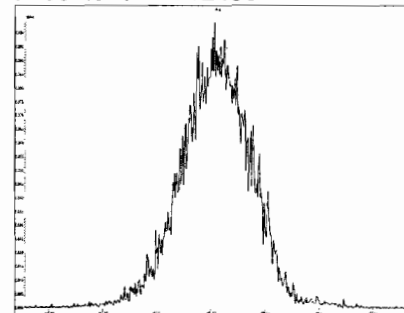
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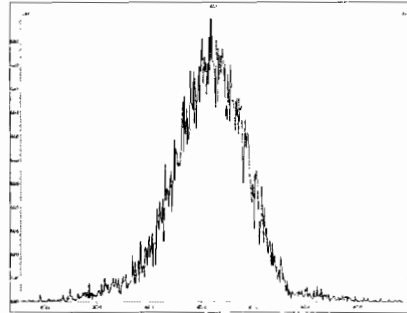
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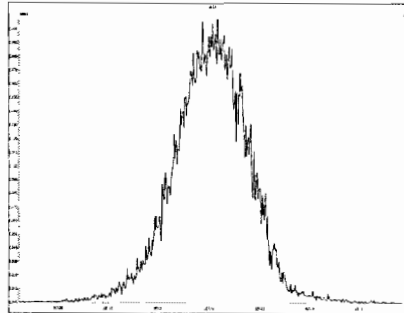
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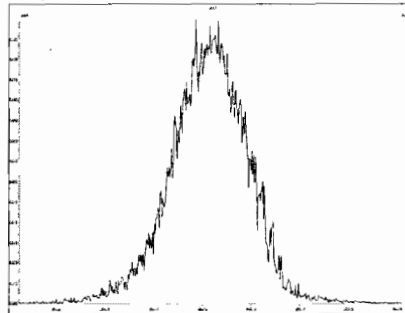
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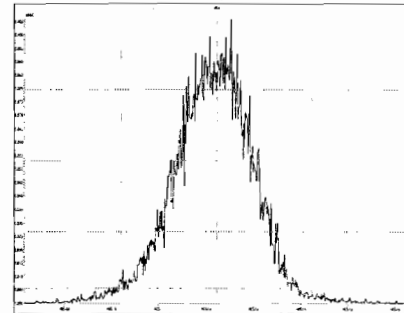
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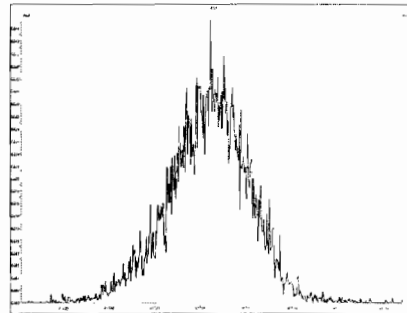
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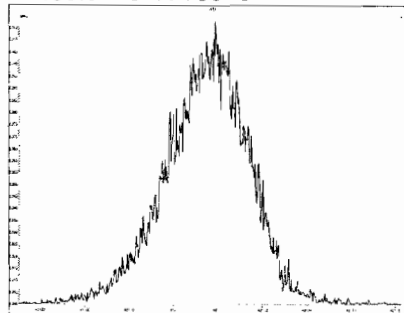
M 404.9760 R 10548



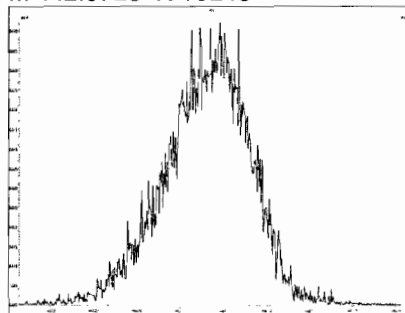
M 416.9760 R 11362



M 430.9728 R 10546



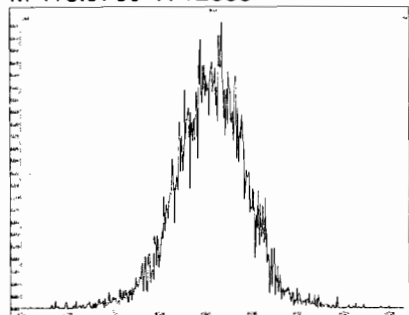
M 442.9728 R 10245



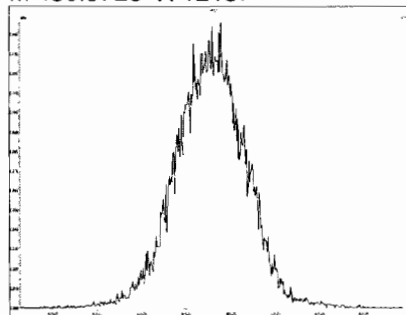
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Saturday, October 12, 2019 13:57:24 Pacific Daylight Time

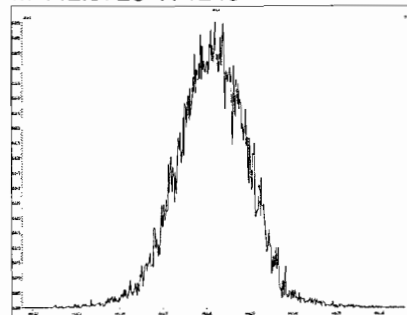
M 416.9760 R 12888



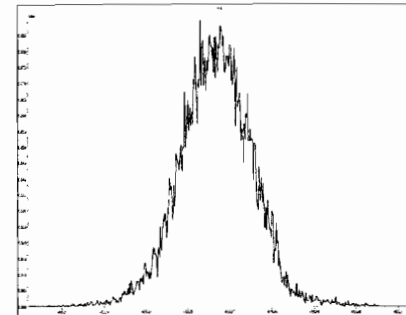
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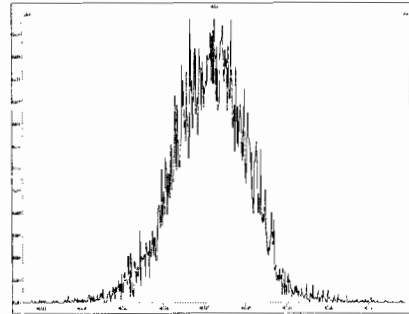
M 442.9728 R 12437



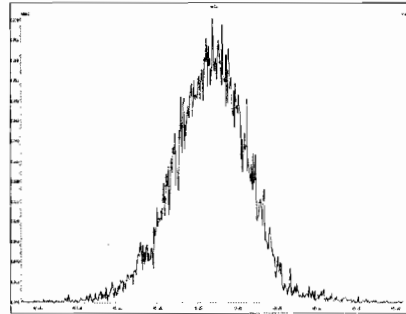
M 454.9728 R 12193



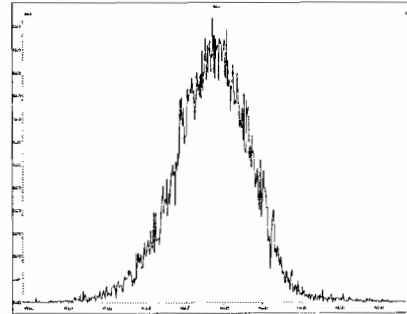
M 466.9728 R 12950



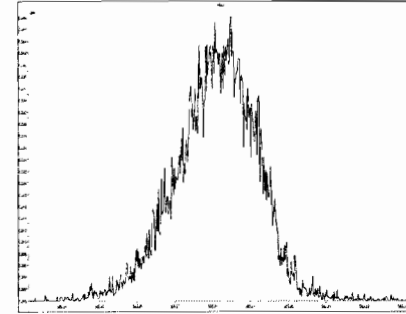
M 480.9696 R 11737



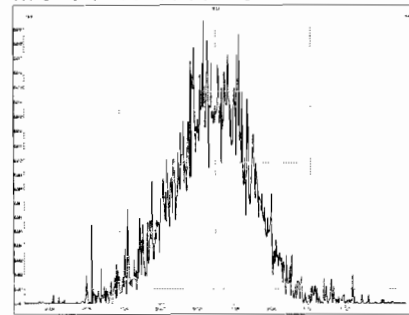
M 492.9696 R 11466



M 504.9696 R 10727



M 516.9697 R 11415



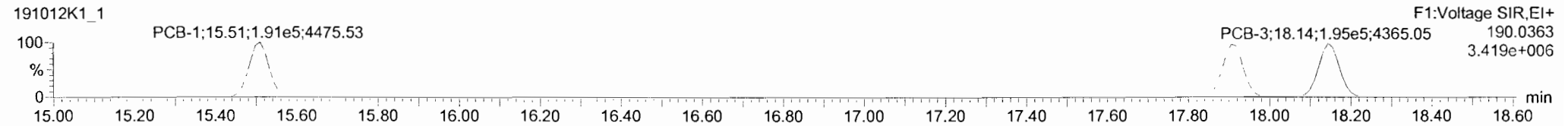
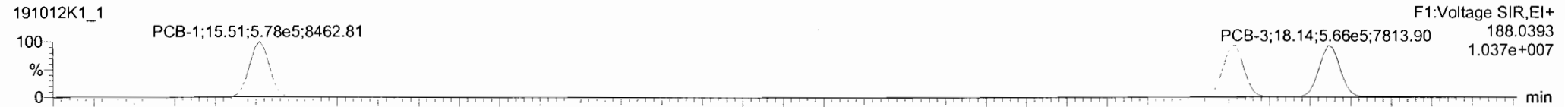
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Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

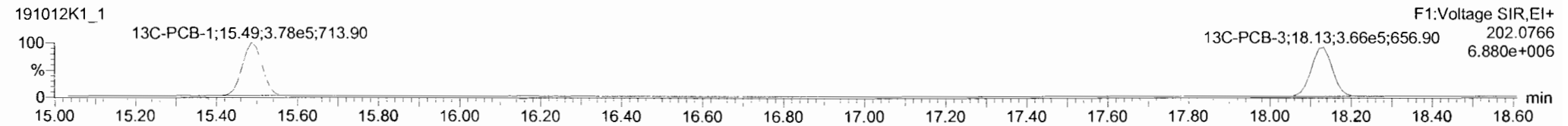
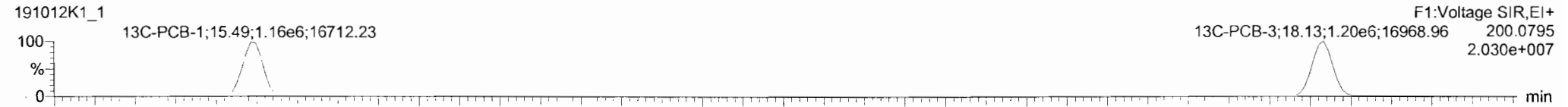
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Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

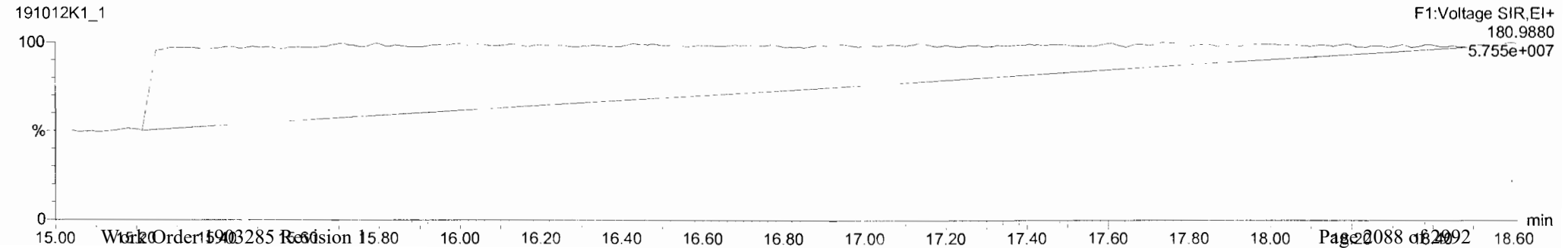
PCB-1



13C-PCB-1



PFK1



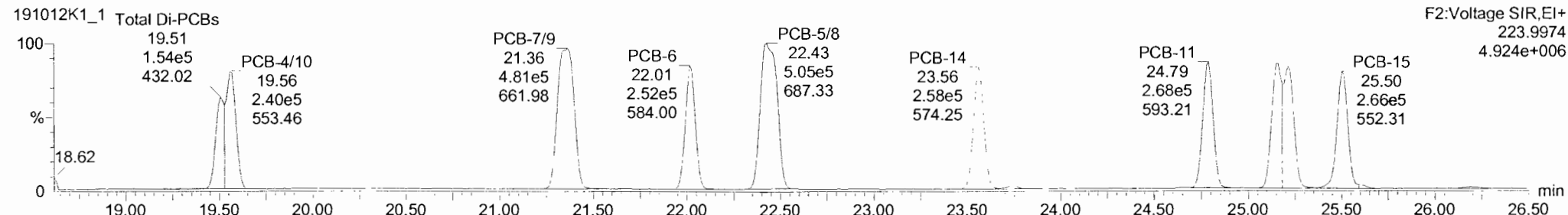
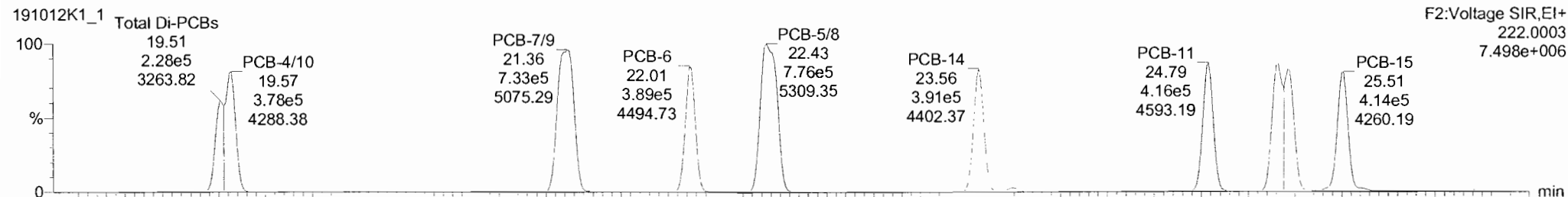
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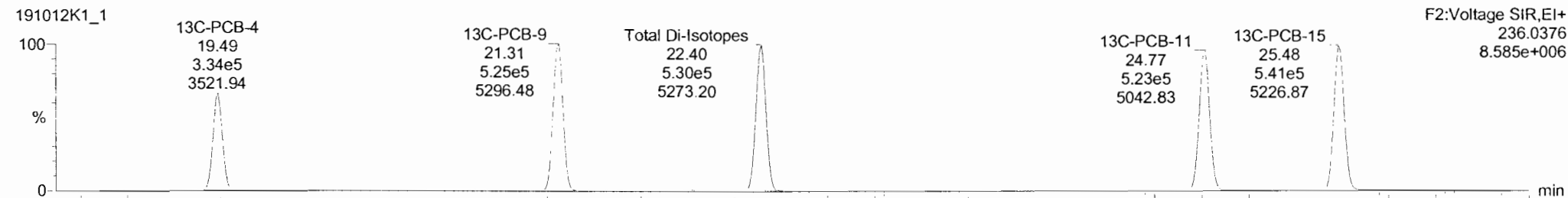
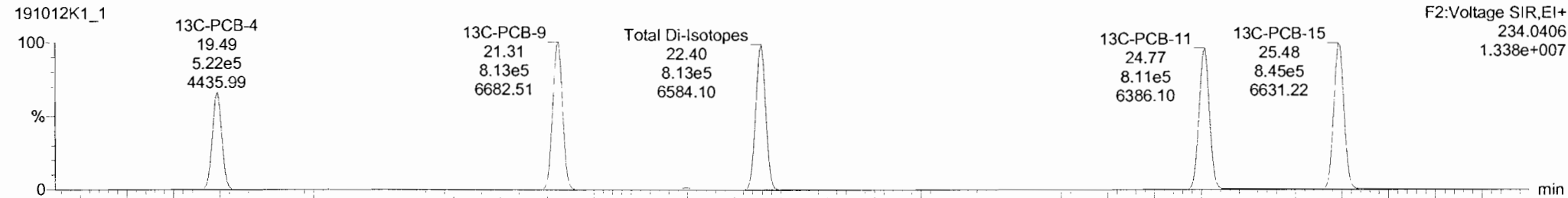
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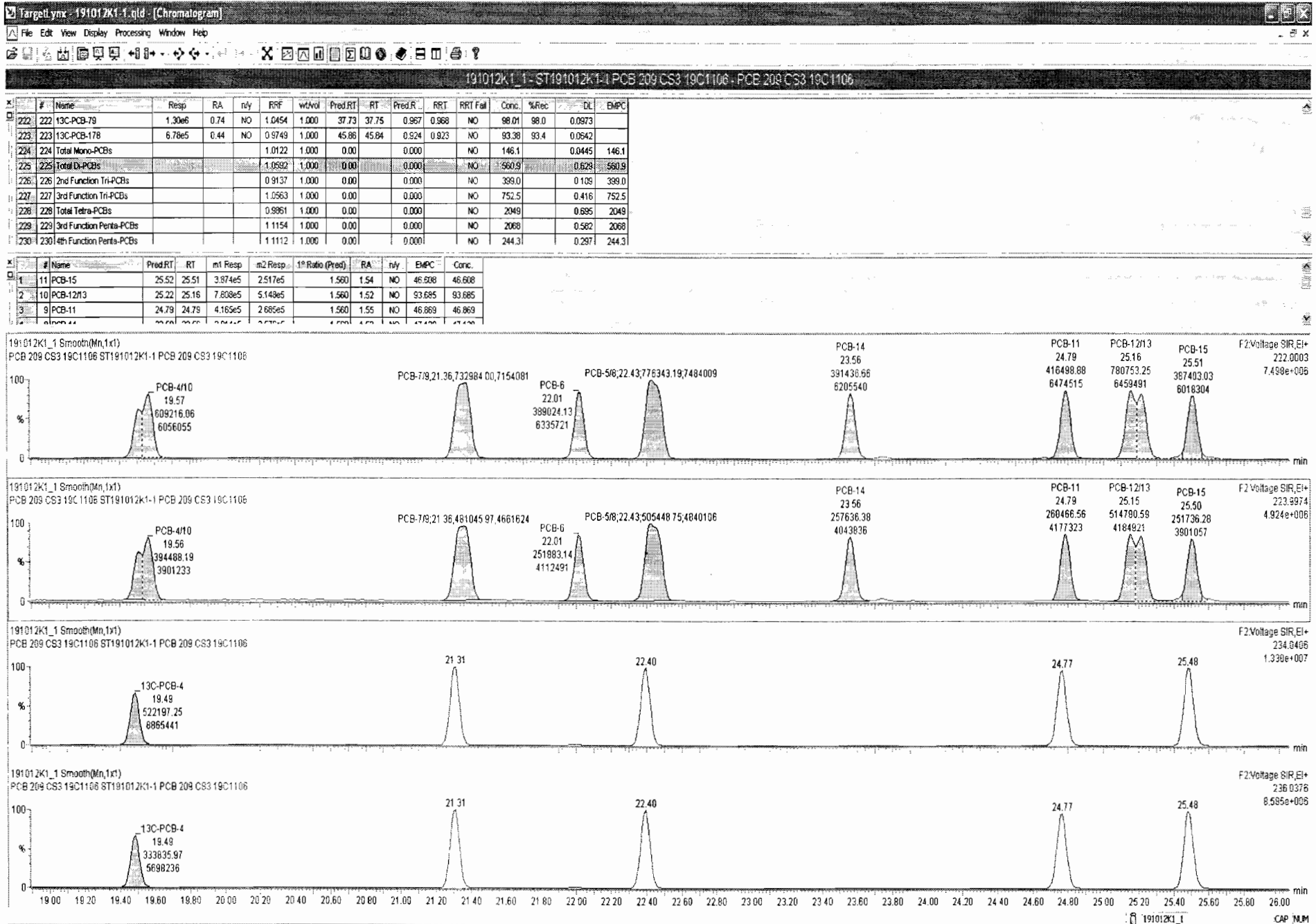
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PCB-4/10



13C-PCB-4



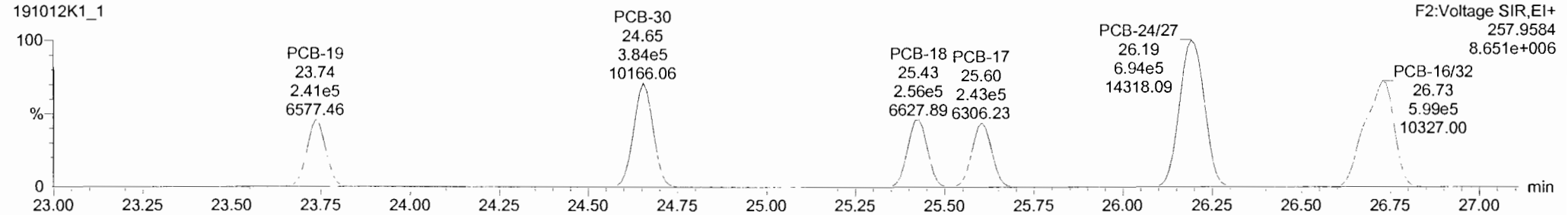
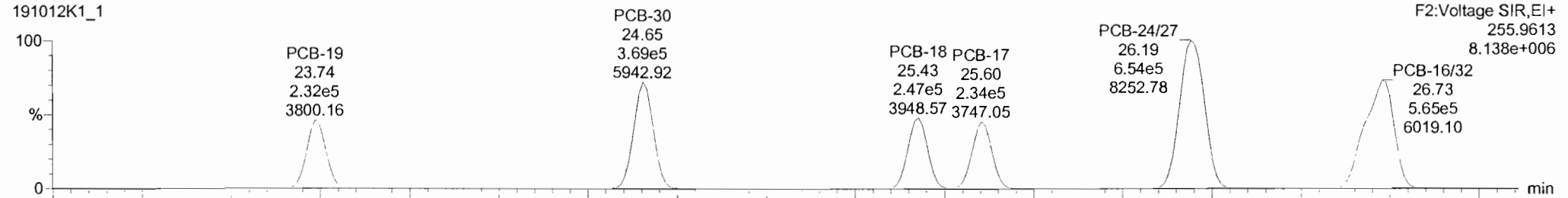


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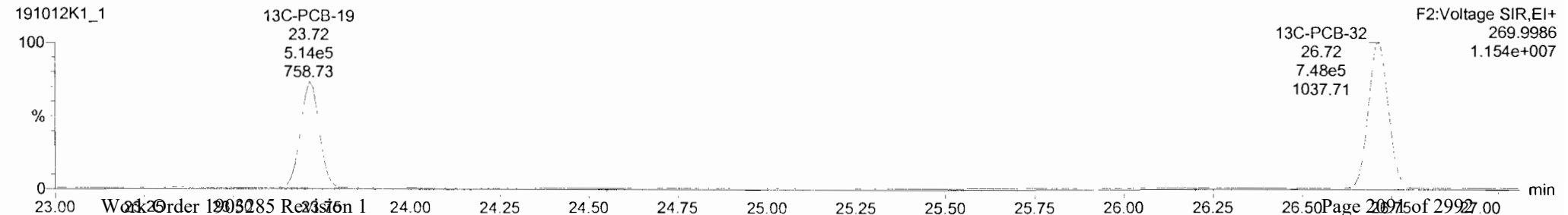
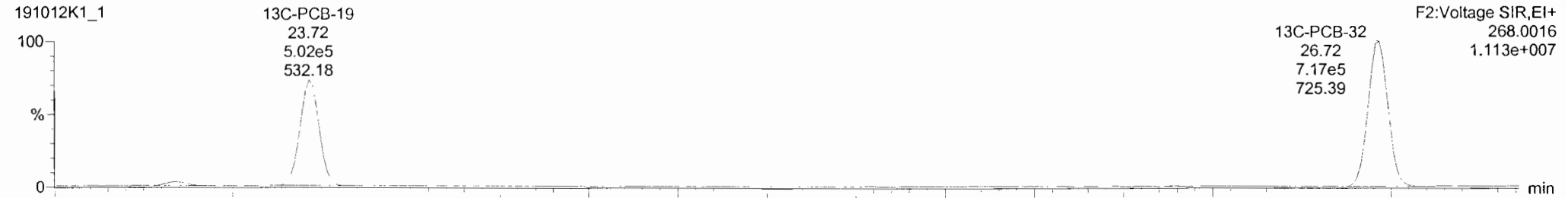
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Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19



13C-PCB-19



Dataset: Untitled

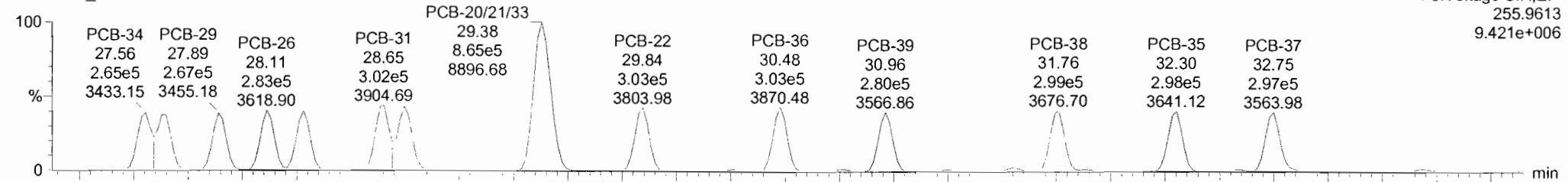
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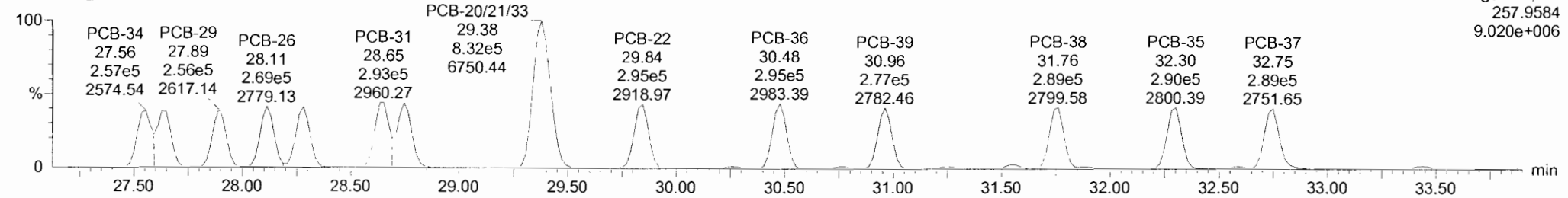
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PCB-34

191012K1_1

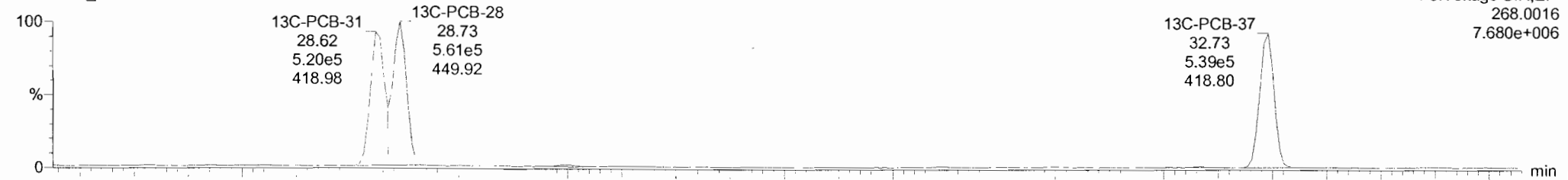


191012K1_1

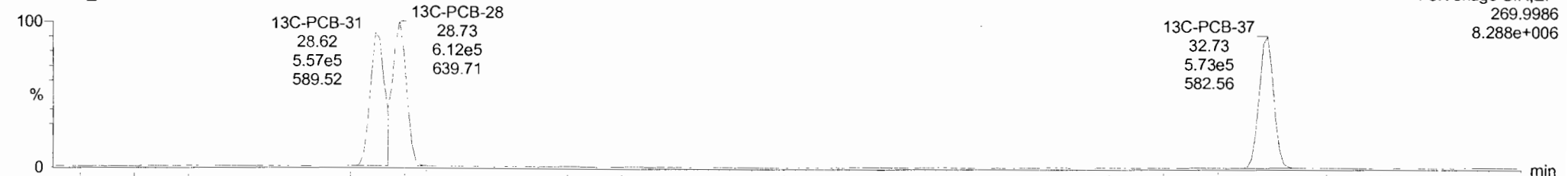


13C-PCB-28

191012K1_1

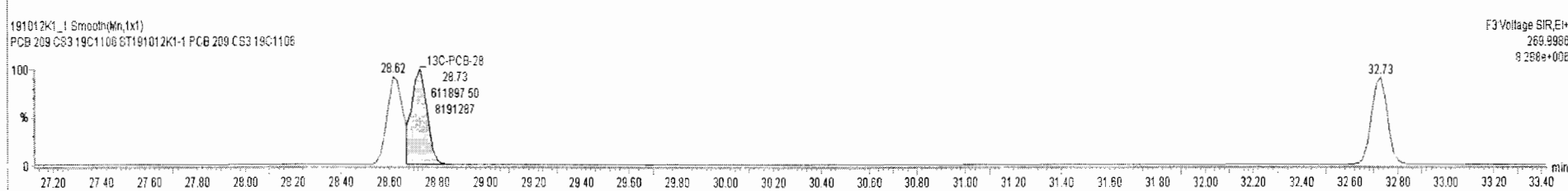
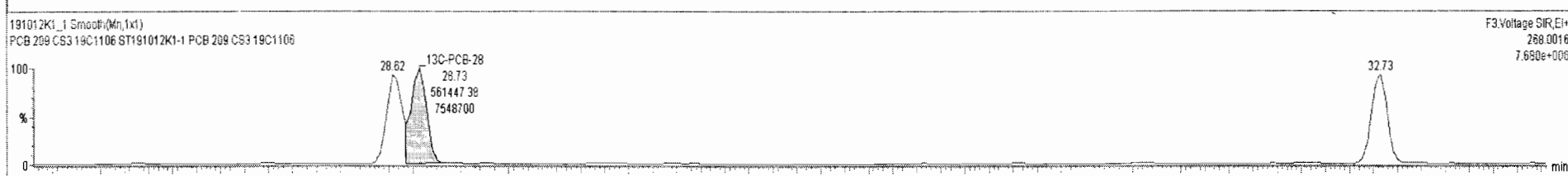
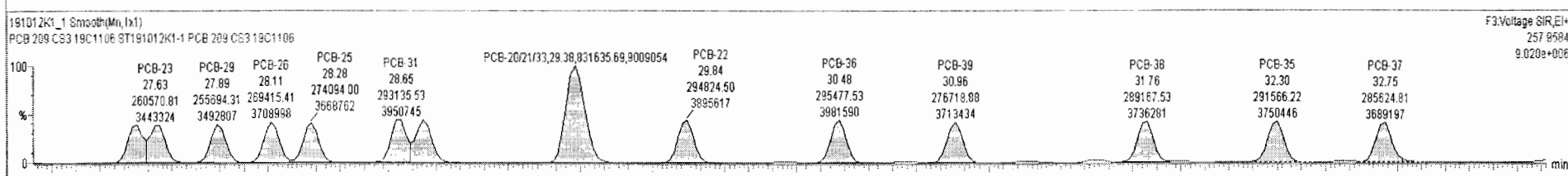
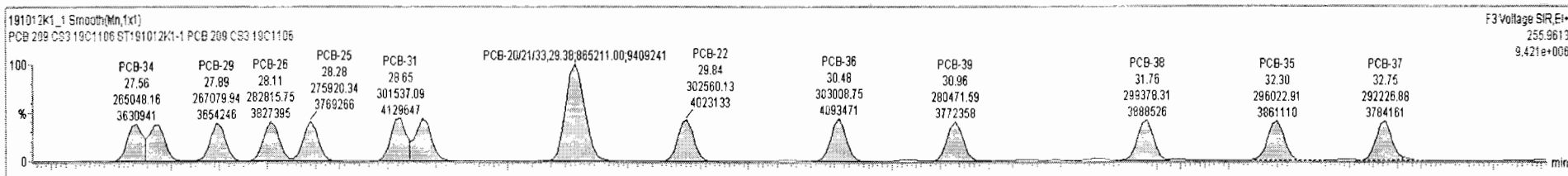


191012K1_1



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	223 13C-PCB-79	1.30e6	0.74	NO	1.0454	1.000	37.73	37.75	0.967	0.968	NO	98.01	98.0	0.02973	
223	223 13C-PCB-178	6.78e5	0.44	NO	0.9749	1.000	45.86	45.64	0.924	0.923	NO	93.38	93.4	0.0642	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	146.1		0.0445	146.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	560.9		0.629	560.9
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	399.0		0.109	399.0
227	227 3rd Function Tri-PCBs				1.0583	1.000	0.00		0.000		NO	752.5		0.416	752.5
228	228 Total Tetra-PCBs				0.8861	1.000	0.00		0.000		NO	2049		0.655	2049
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2068		0.582	2068
230	230 4th Function Penta-PCBs				1.1112	1.000	0.001		0.001		NO	244.3		0.297	244.3

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 Ratio (Pred)	RA	n/y	EMPC	Conc
1	23 PCB-31	28.66	28.65	3.015e5	2.931e5	1.040	1.03	NO	45.123	45.123
2	22 PCB-25	28.29	28.28	2.759e5	2.741e5	1.040	1.01	NO	47.933	47.933
3	21 PCB-26	28.13	28.11	2.828e5	2.694e5	1.040	1.05	NO	47.017	47.017



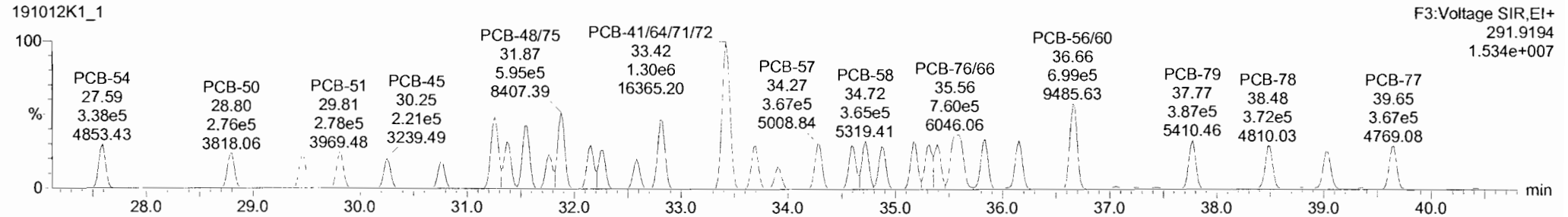
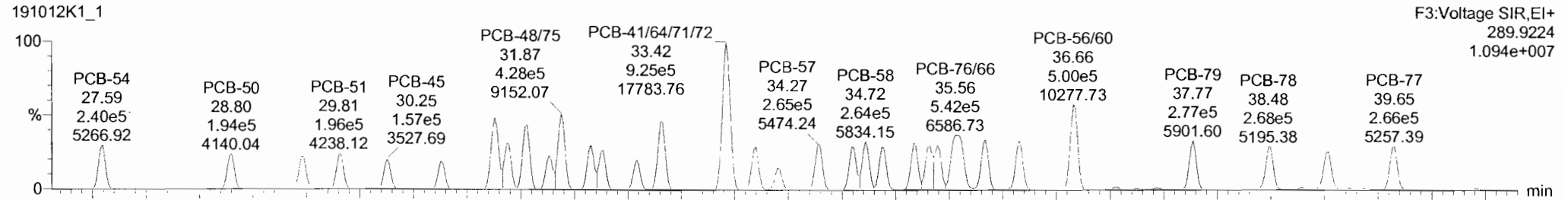
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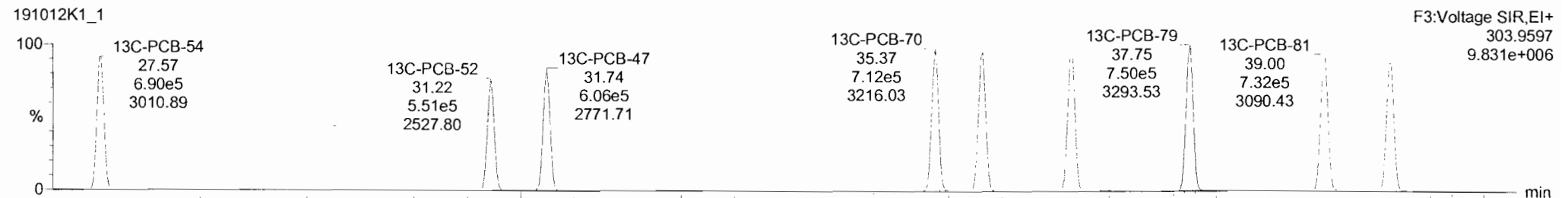
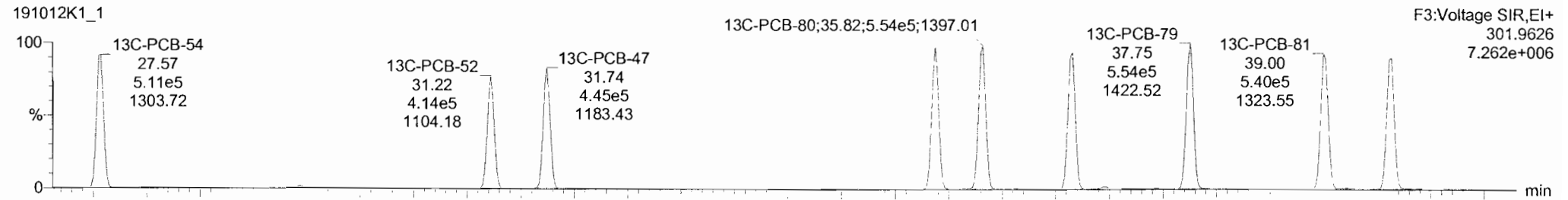
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Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54



13C-PCB-54



Dataset: Untitled

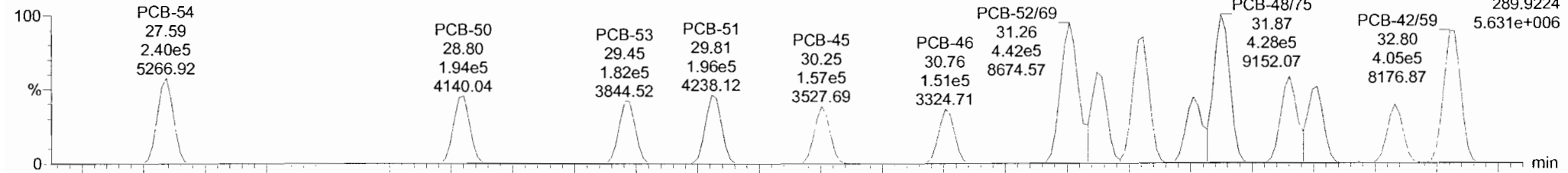
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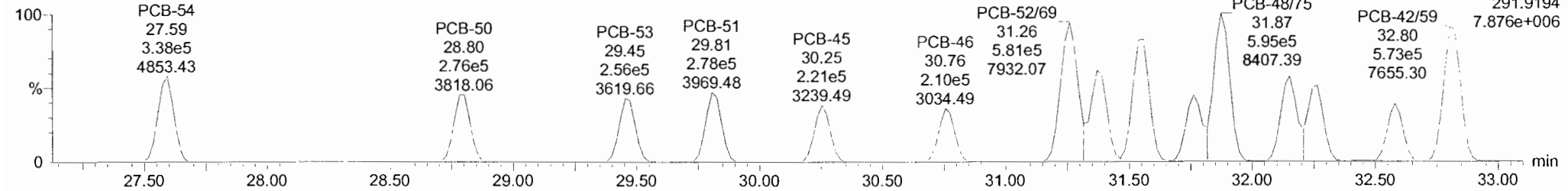
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PCB-50

191012K1_1

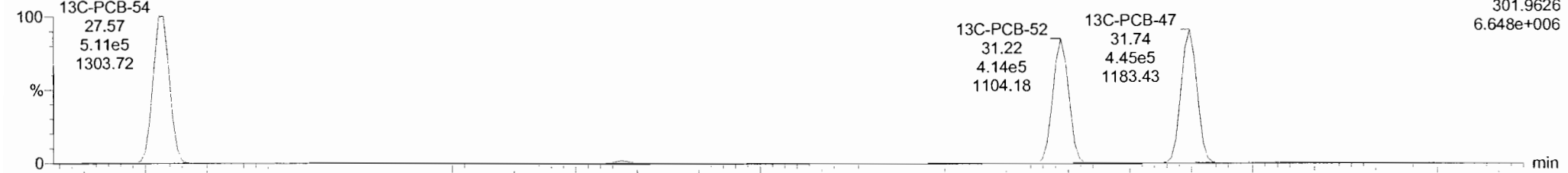


191012K1_1

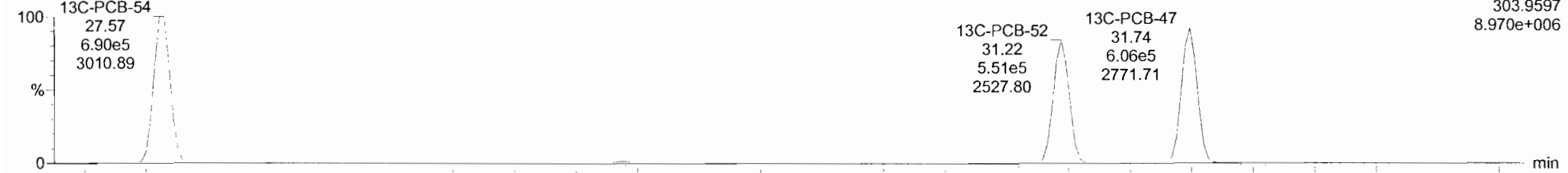


13C-PCB-52

191012K1_1



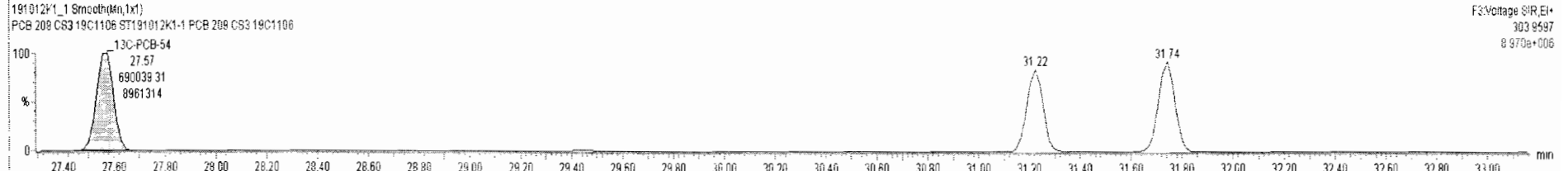
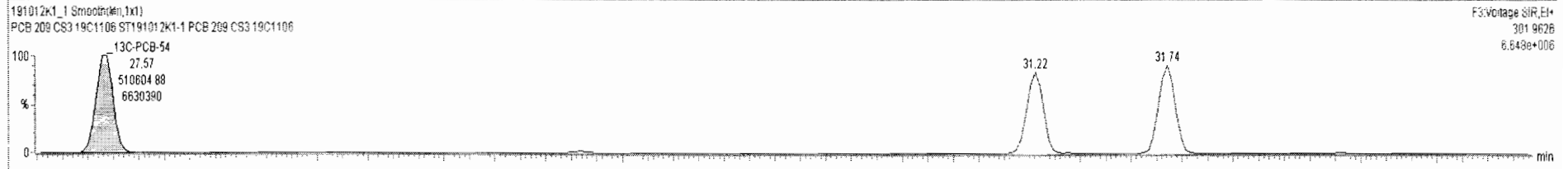
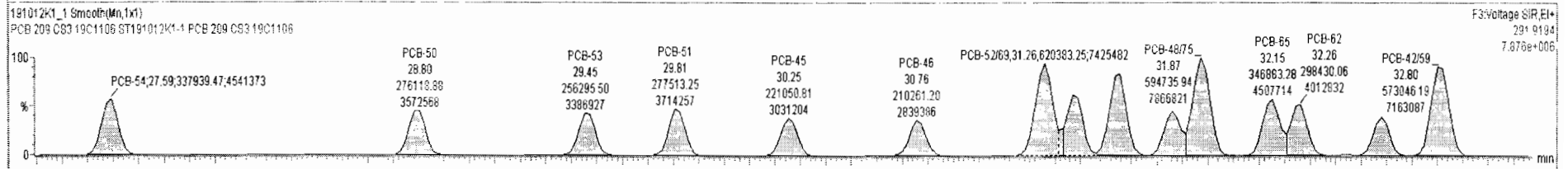
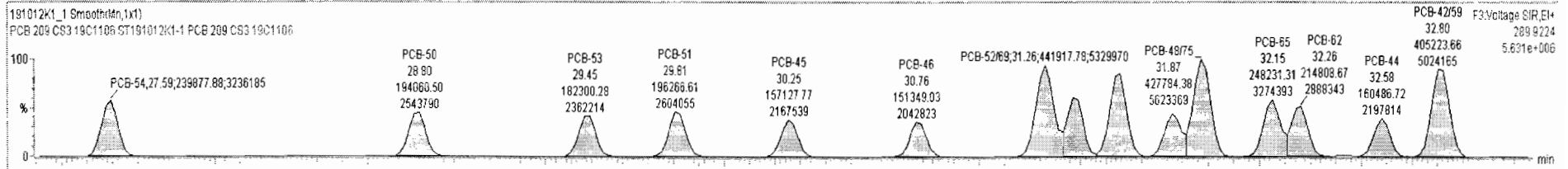
191012K1_1



191012K1_1-ST191012K1-1.PCB 209 CS3 19C1106 .PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RT	RRF	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.30e6	0.74	NO	1.0454	1.000	37.73	37.75	0.967	0.968	NO	98.01	98.0	0.0973	
223	13C-PCB-178	6.78e5	0.44	NO	0.9749	1.000	45.86	45.84	0.924	0.923	NO	93.38	93.4	0.0642	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	146.1		0.0445	146.1
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	560.9		0.629	560.9
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	399.0		0.109	399.0
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	752.5		0.416	752.5
228	Total Tetra-PCBs				0.9361	1.000	0.00		0.000		NO	2049		0.655	2049
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2068		0.582	2068
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	244.3		0.297	244.3

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc.
1	44 PCB-62	32.25	32.26	2.148e5	2.984e5	0.770	0.72	NO	45.839	45.839
2	43 PCB-65	32.14	32.15	2.482e5	3.469e5	0.770	0.72	NO	51.070	51.070
3	42 PCB-48/75	31.87	31.87	4.278e5	5.947e5	0.770	0.72	NO	94.949	94.949

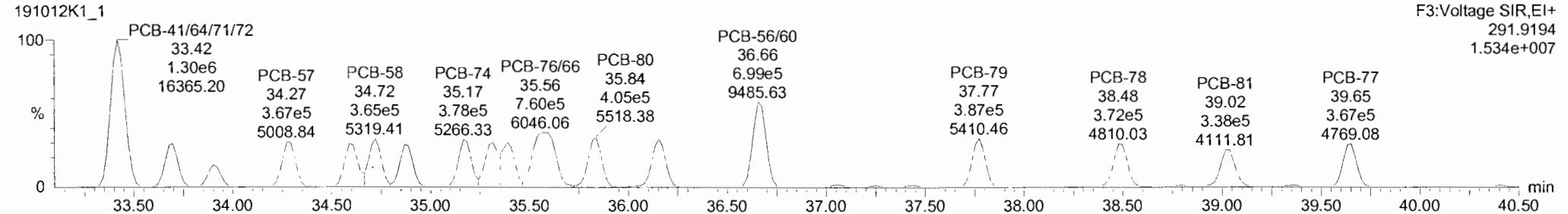
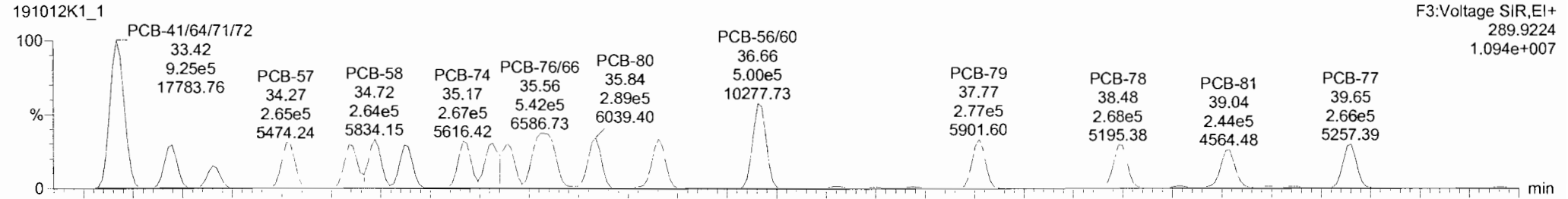


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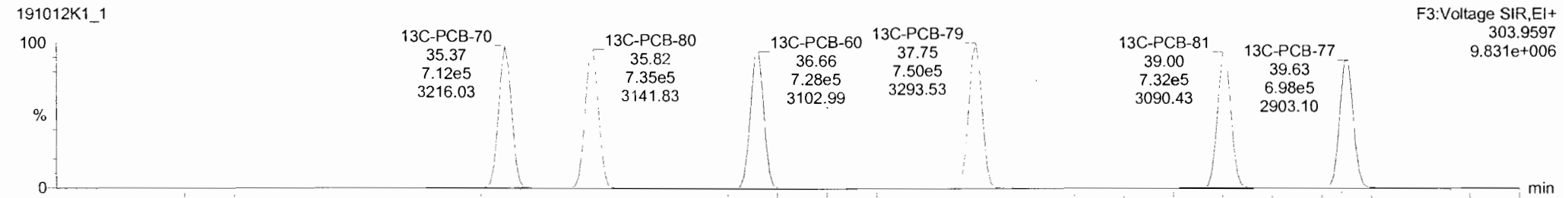
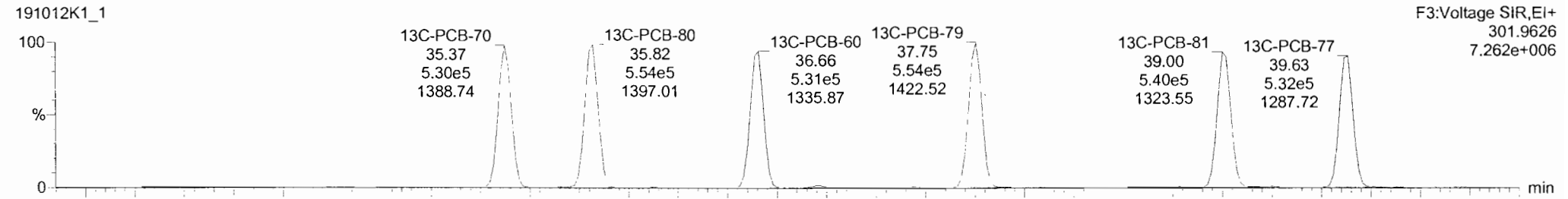
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PCB-68



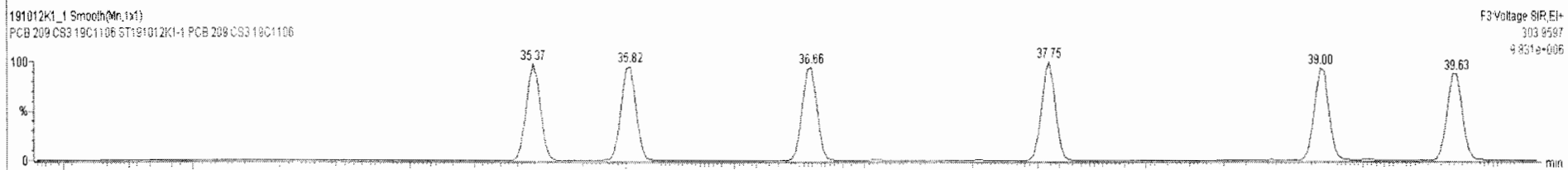
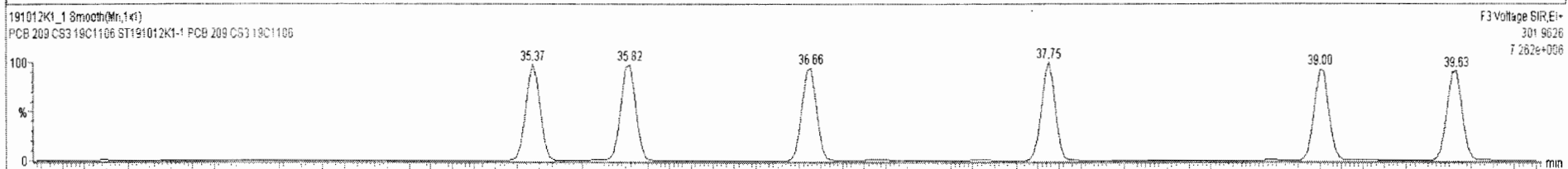
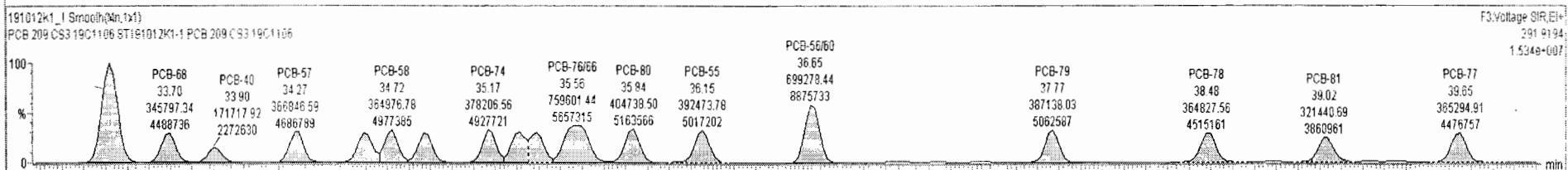
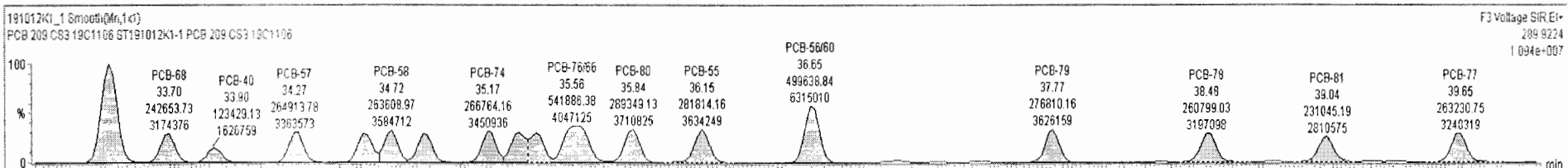
13C-PCB-60



191012K1-1-ST191012K1-1-PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	nly	RfF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.30e6	0.74	NO	1.0454	1.000	37.73	37.75	0.967	0.968	NO	98.01	98.0	0.0673	
223	13C-PCB-178	6.79e5	0.44	NO	0.9749	1.000	45.86	45.84	0.924	0.923	NO	93.38	93.4	0.0642	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000	0.000		NO	146.1		0.0445	146.1
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000	0.000		NO	560.9		0.629	560.9
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000	0.000		NO	399.0		0.109	399.0
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000	0.000		NO	752.5		0.416	752.5
228	228 Total Tetra-PCBs				0.9361	1.000	0.00	0.000	0.000		NO	2049		0.695	2049
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000	0.000		NO	2068		0.582	2068
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000	0.000		NO	244.3		0.297	244.3

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
44	PCB-62	32.25	32.26	2.140e5	2.994e5	0.770	0.72	NO	45.639	45.639
2	PCB-65	32.14	32.15	2.462e5	3.469e5	0.770	0.72	NO	51.070	51.070
42	PCB-48/75	31.87	31.87	4.279e5	5.947e5	0.770	0.72	NO	94.949	94.949



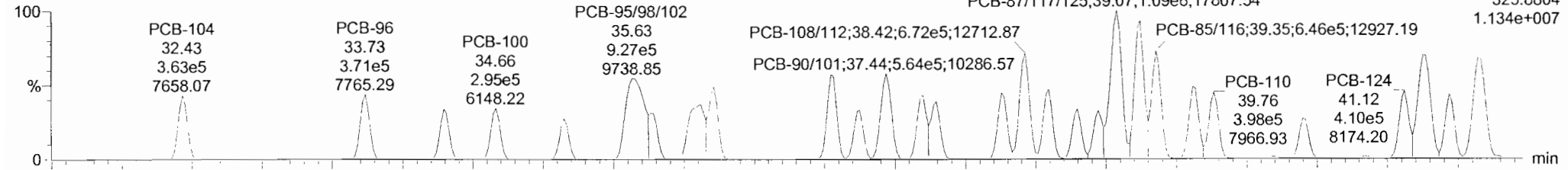
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Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

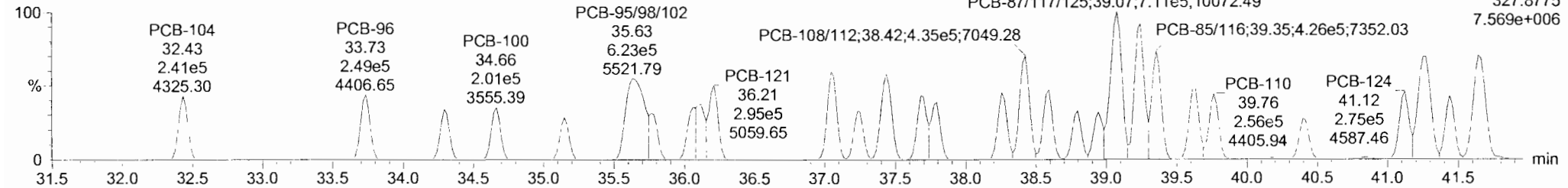
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PCB-104

191012K1_1

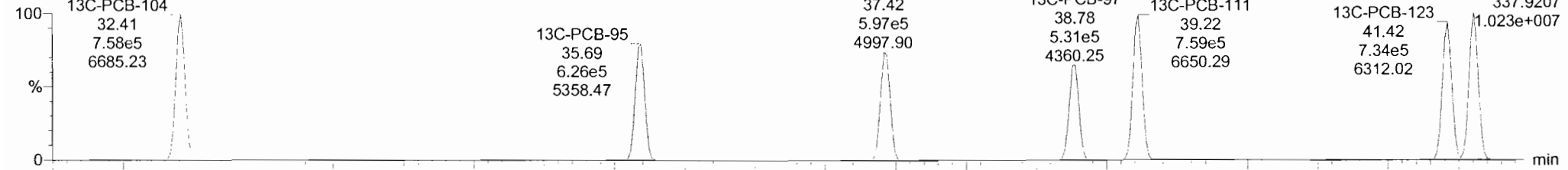


191012K1_1

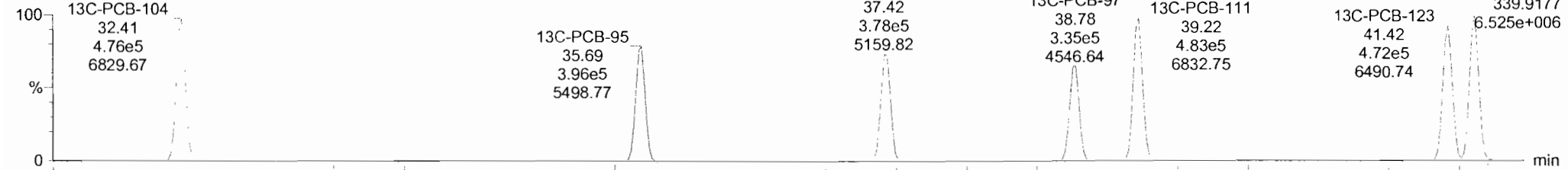


13C-PCB-104

191012K1_1



191012K1_1



Dataset: Untitled

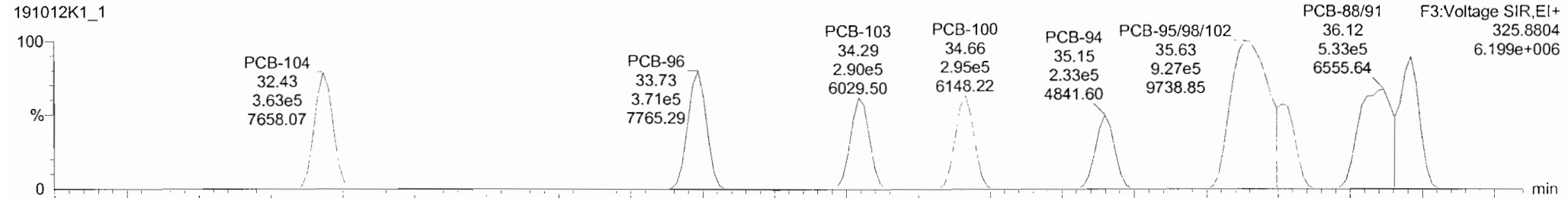
Last Altered: Monday, October 14, 2019 14:35:03 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

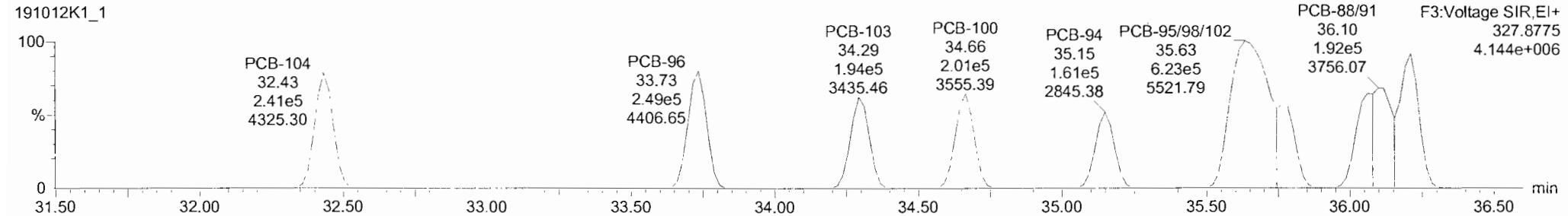
Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-96

191012K1_1

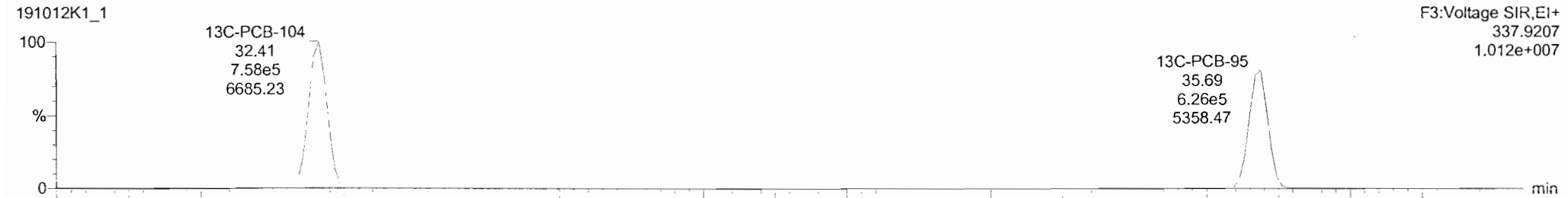


191012K1_1

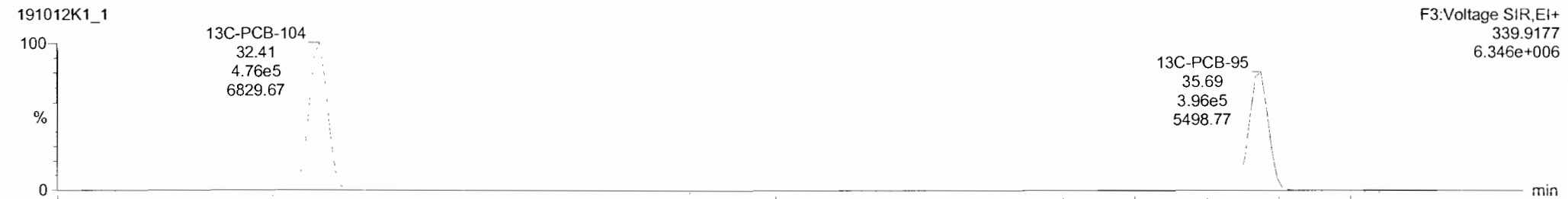


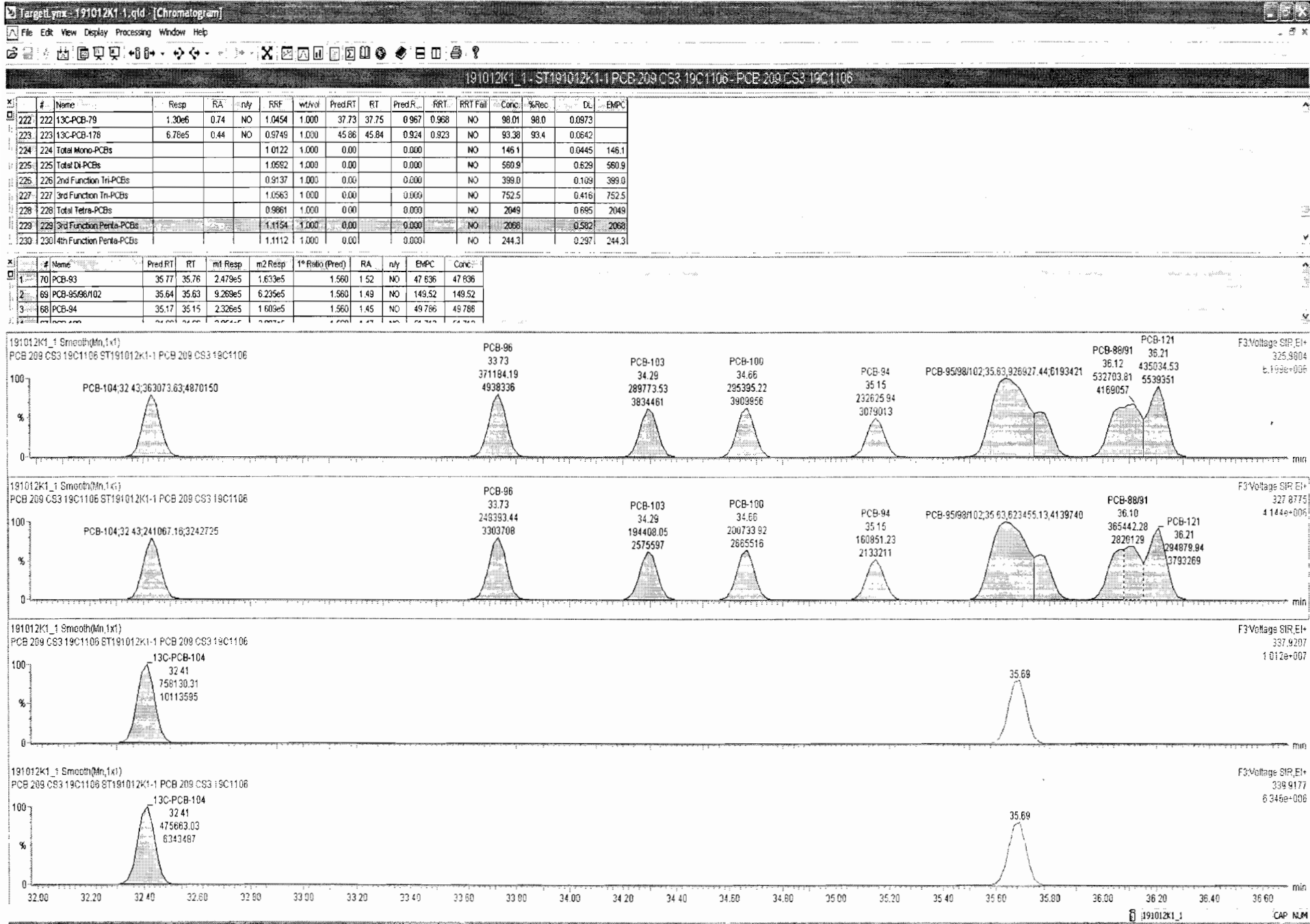
13C-PCB-95

191012K1_1



191012K1_1





Dataset: Untitled

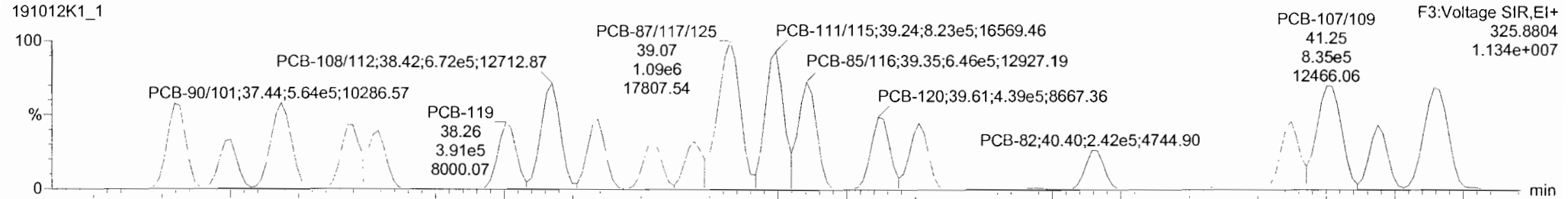
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Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

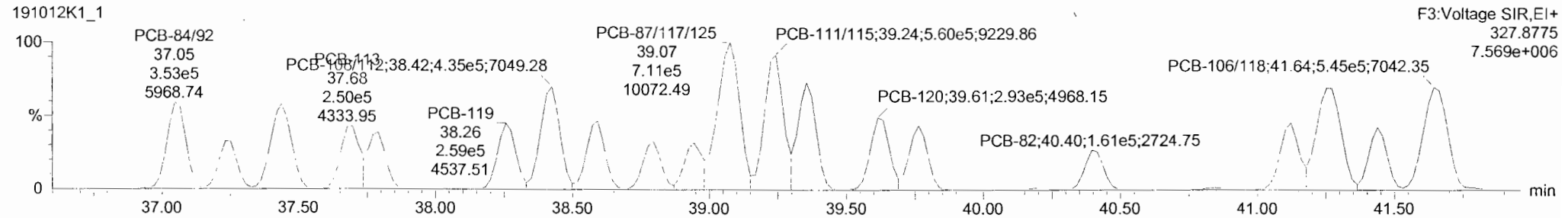
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PCB-119

191012K1_1

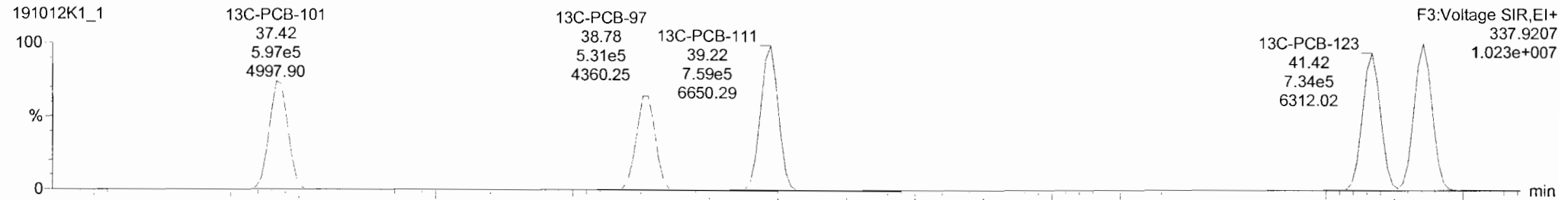


191012K1_1

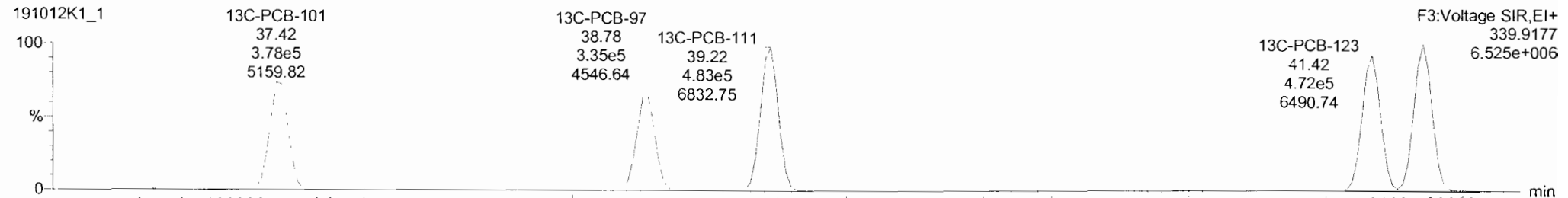


13C-PCB-111

191012K1_1



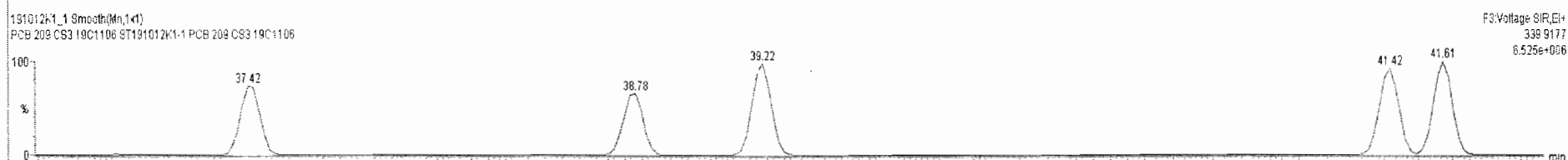
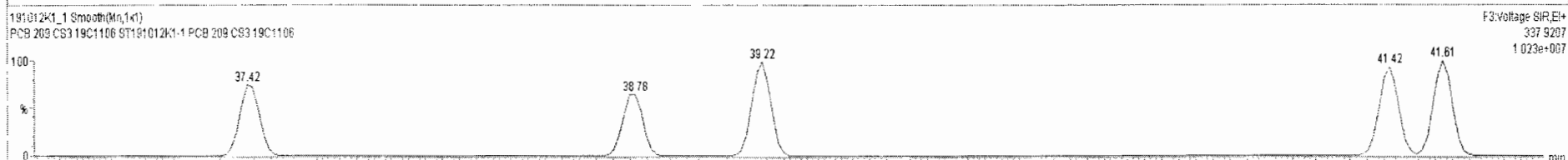
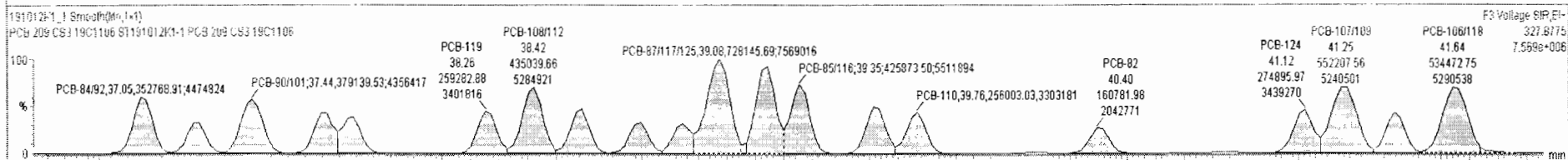
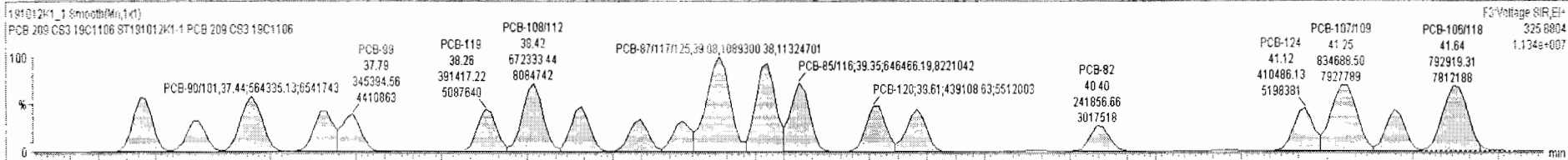
191012K1_1



191012K1_1 - ST191012K1-1-PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	1.30e6	0.74	NO	1.0454	1.000	37.73	37.75	0.987	0.988	NO	98.01	98.0	0.0973	
223	223 13C-PCB-178	6.78e5	0.44	NO	0.9749	1.000	45.86	45.84	0.924	0.923	NO	93.38	93.4	0.0642	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	146.1		0.0445	146.1
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	560.9		0.629	560.9
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	399.0		0.109	399.0
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	752.5		0.416	752.5
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.000			NO	2049		0.695	2049
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	2068		0.592	2068
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	244.3		0.297	244.3

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	70 PCB-93	35.77	35.76	2.479e5	1.533e5	1.560	1.52	NO	47.836	47.836
2	69 PCB-95/98/102	35.64	35.63	9.268e5	6.235e5	1.560	1.49	NO	149.52	149.52
3	68 PCB-94	35.17	35.15	2.328e5	1.609e5	1.560	1.45	NO	49.786	49.786

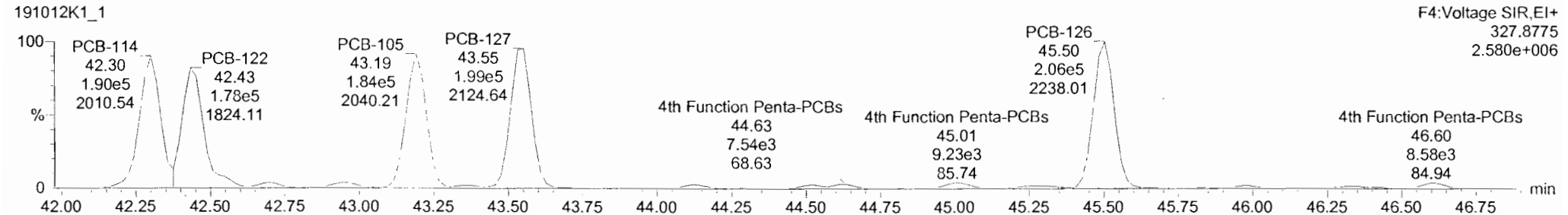
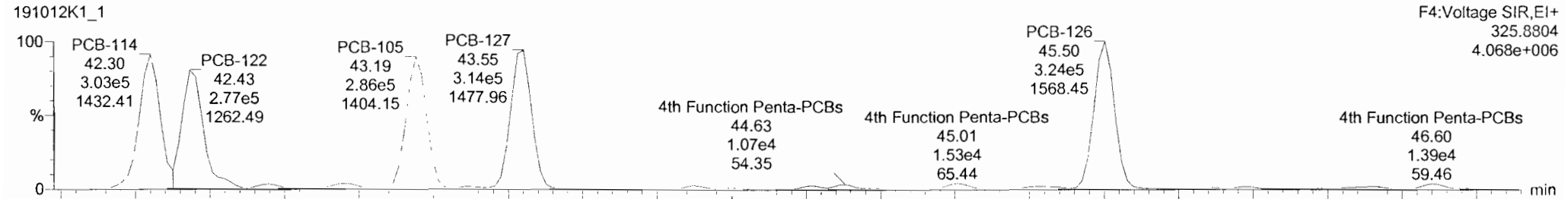


Dataset: Untitled

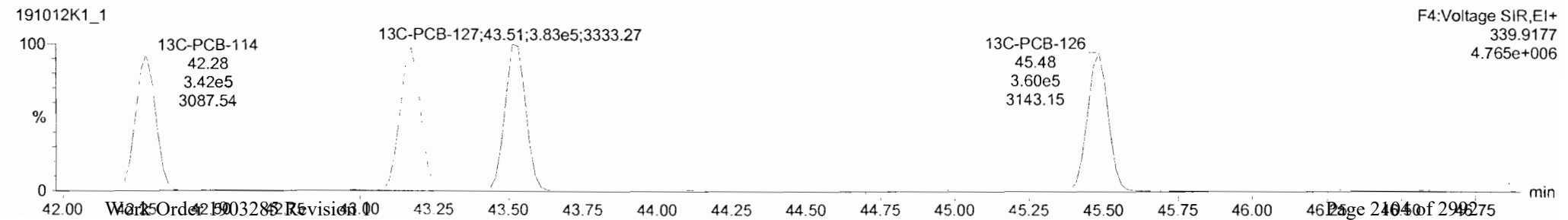
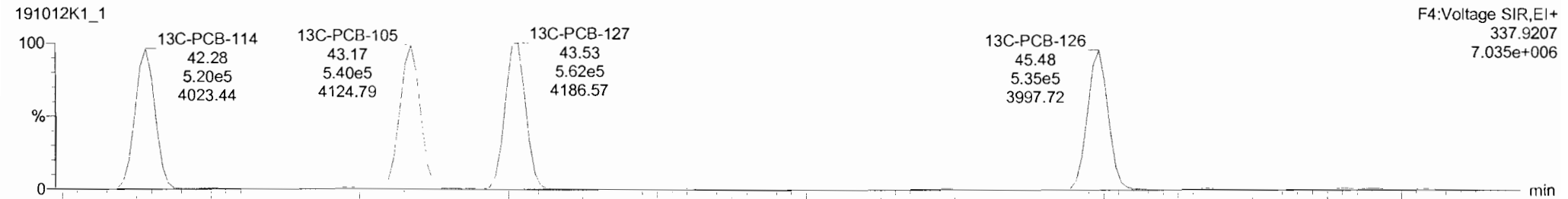
Last Altered: Monday, October 14, 2019 14:35:03 Pacific Daylight Time
Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

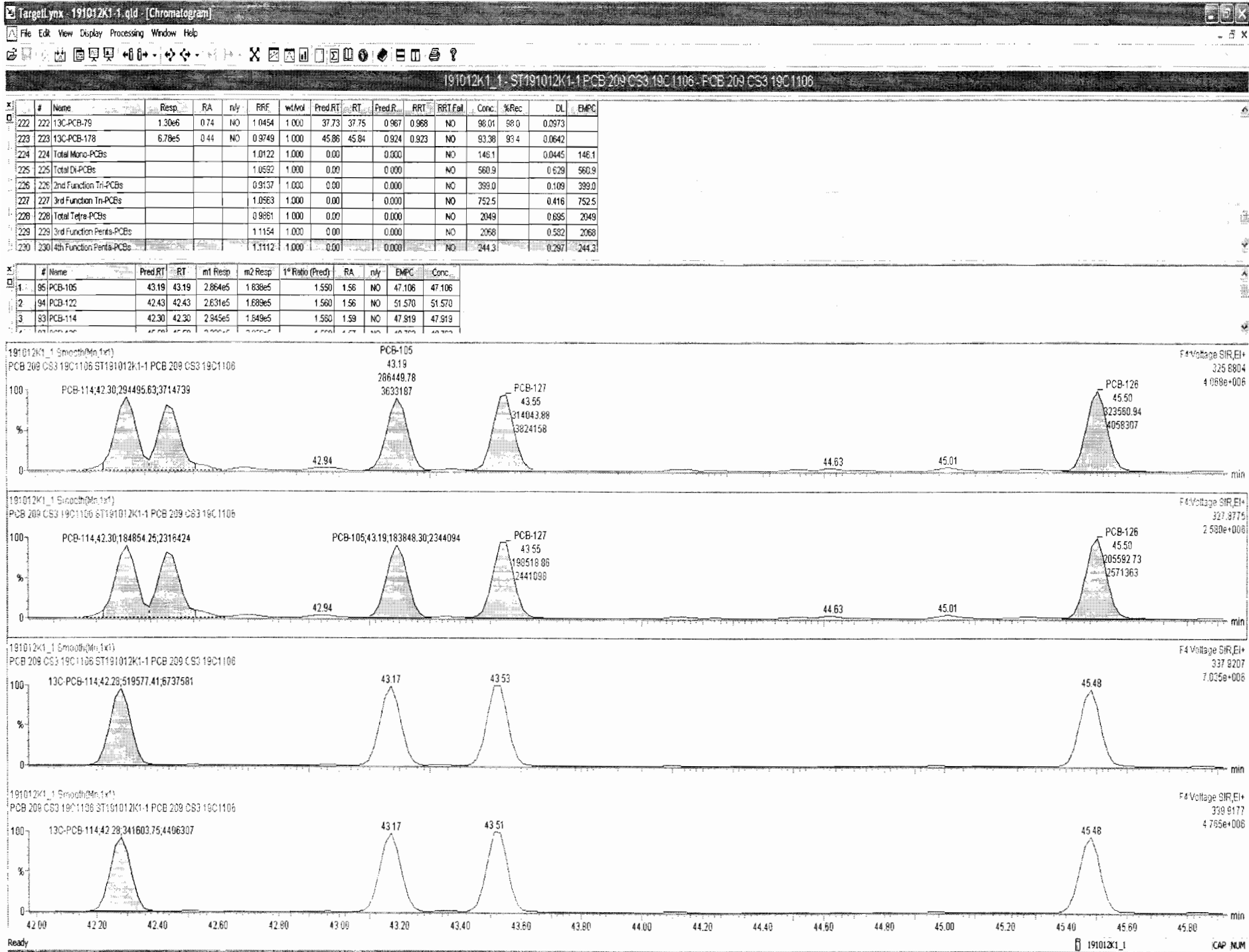
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PCB-114



13C-PCB-114



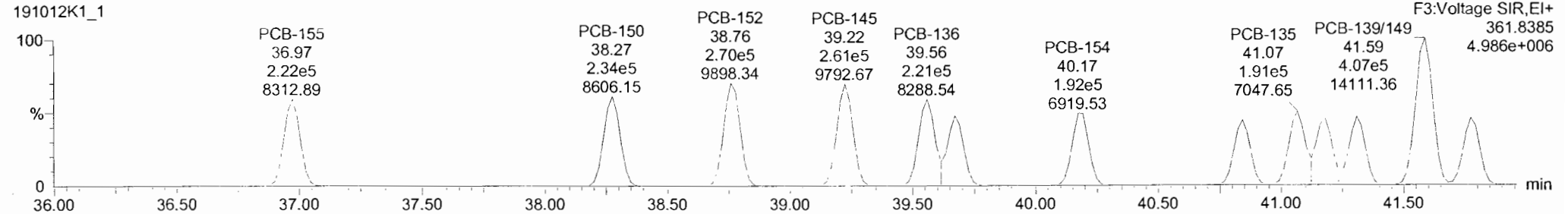
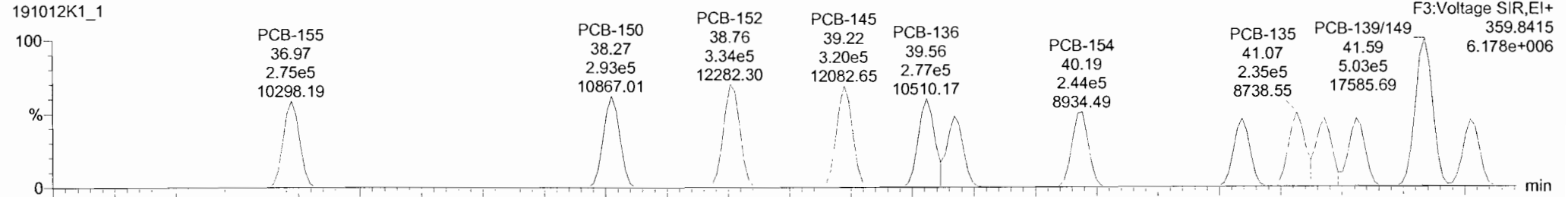


Dataset: Untitled

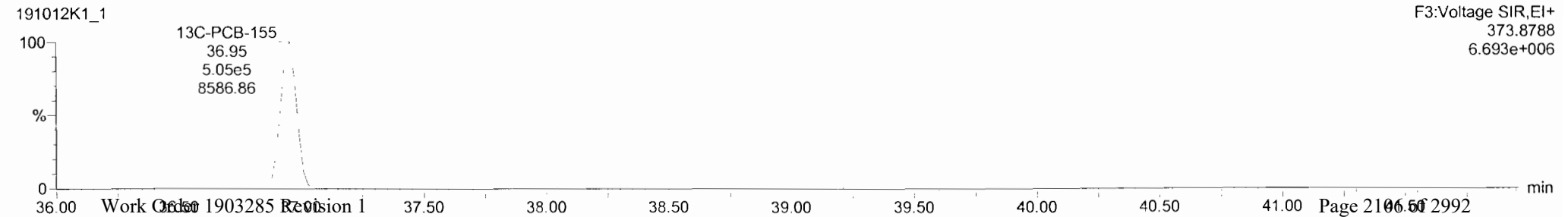
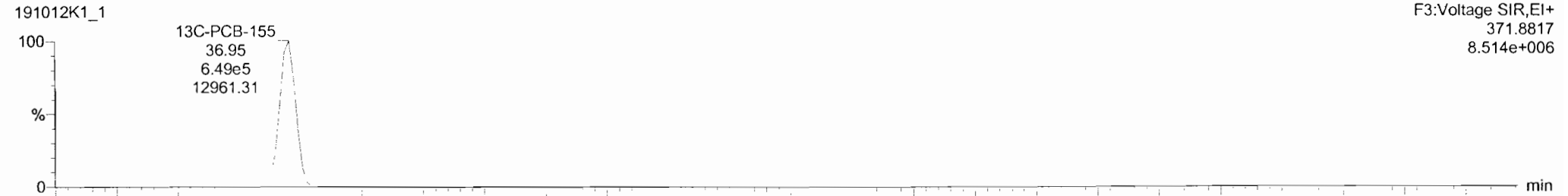
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Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-155



13C-PCB-155

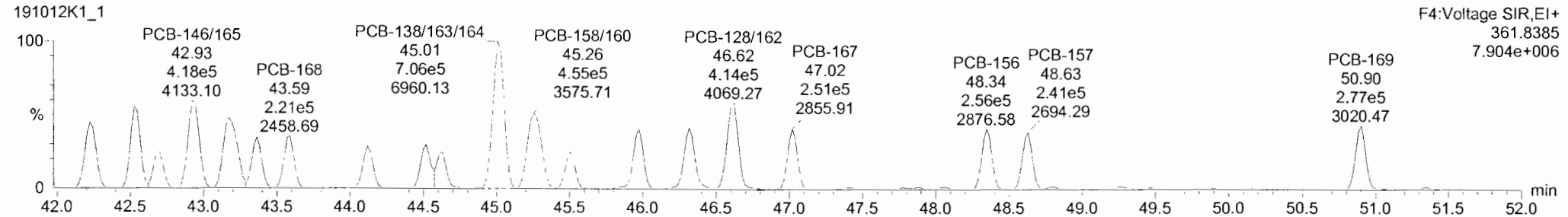
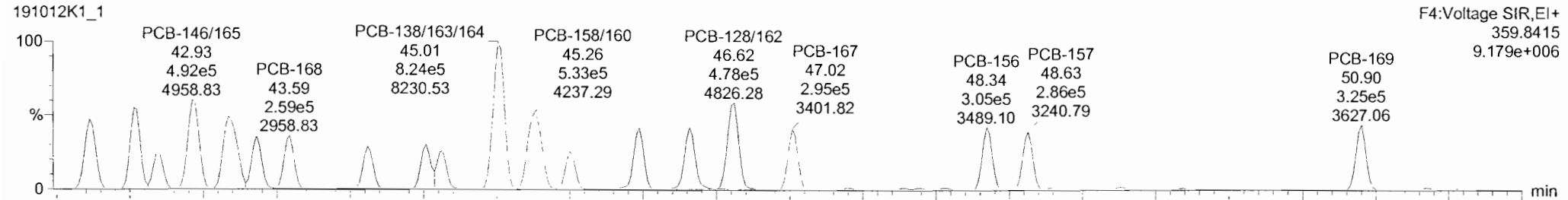


Dataset: Untitled

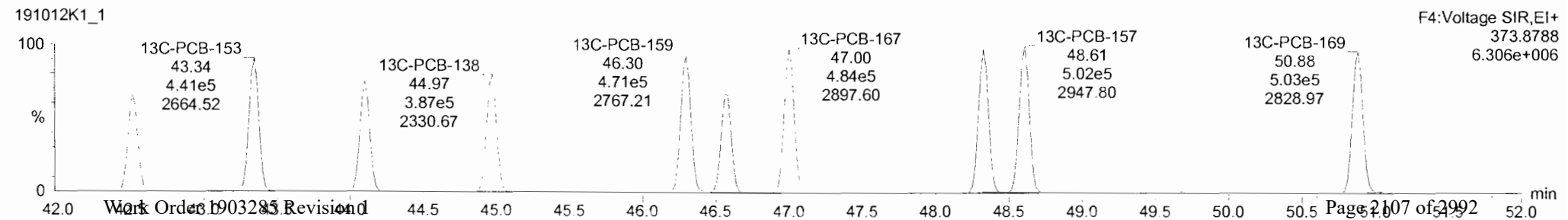
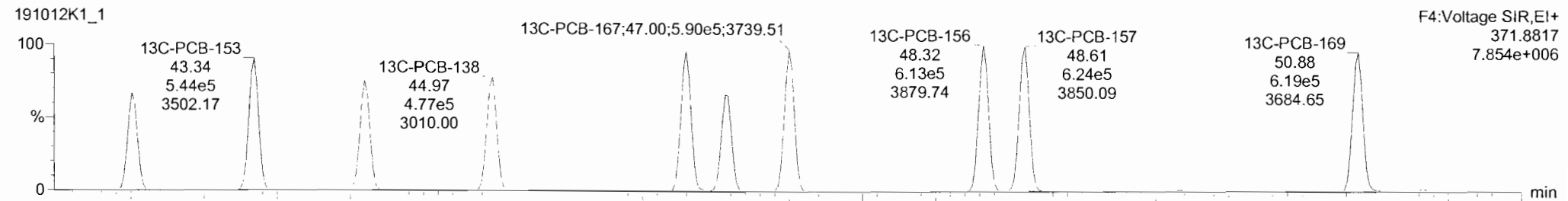
Last Altered: Monday, October 14, 2019 14:35:03 Pacific Daylight Time
Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143



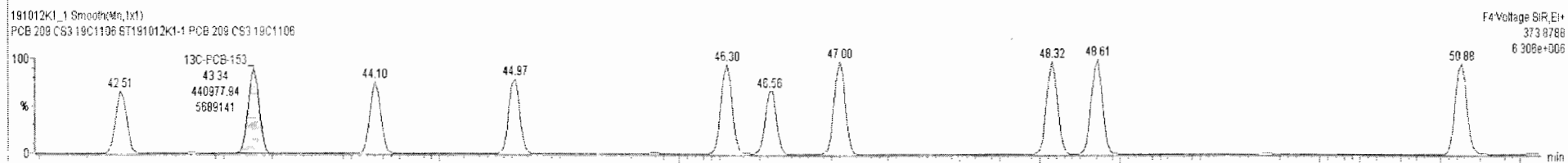
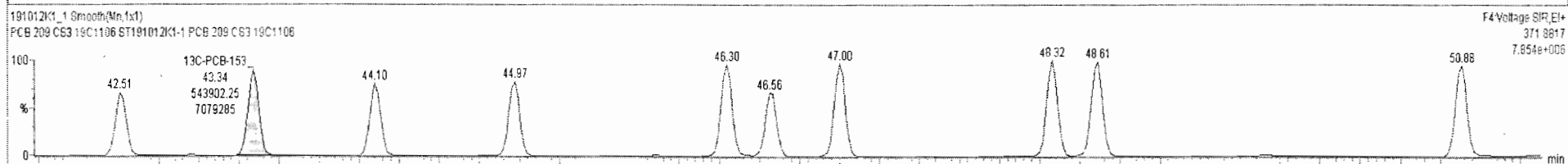
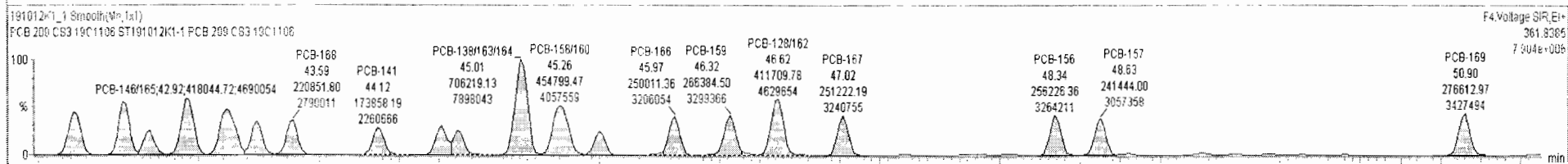
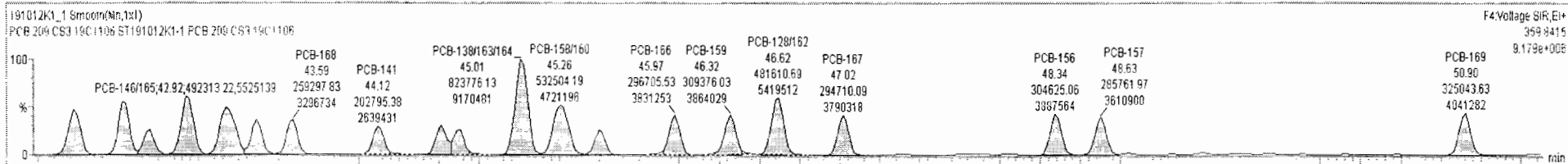
13C-PCB-153



191012K1-1-ST191012K1-1-PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	nly	RRF	wAval	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	725.0		0.160	725.0
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1348		0.764	1348
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1197		0.778	1197
234	234 4th Function Octa-PCBs				0.8963	1.000	0.00		0.000		NO	473.1		0.141	473.1
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	146.2		0.0614	146.2
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	145.8		0.0689	145.8
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	48.56		0.00875	48.56
238	238 Total PCBs														
239	239 Total Mono-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	PCB-129	45.50	45.50	1.813e5	1.533e5	1.240	1.18	NO	47.245	47.245
2	PCB-158/160	45.25	45.25	5.325e5	4.548e5	1.240	1.17	NO	96.954	96.954
3	PCB-138/163/164	45.01	45.01	8.238e5	7.062e5	1.240	1.17	NO	144.35	144.35



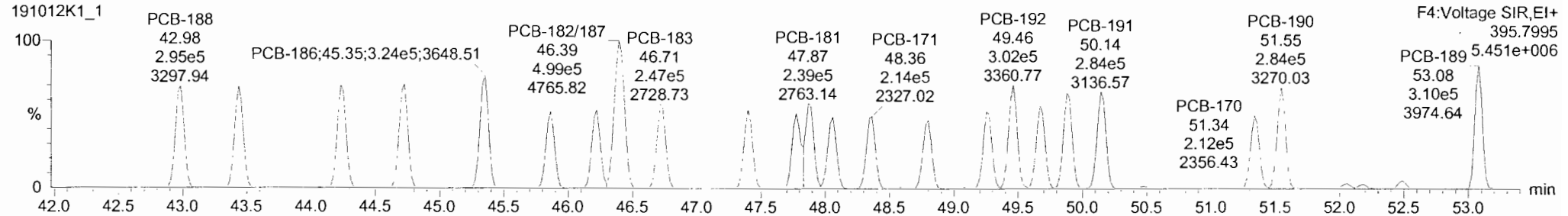
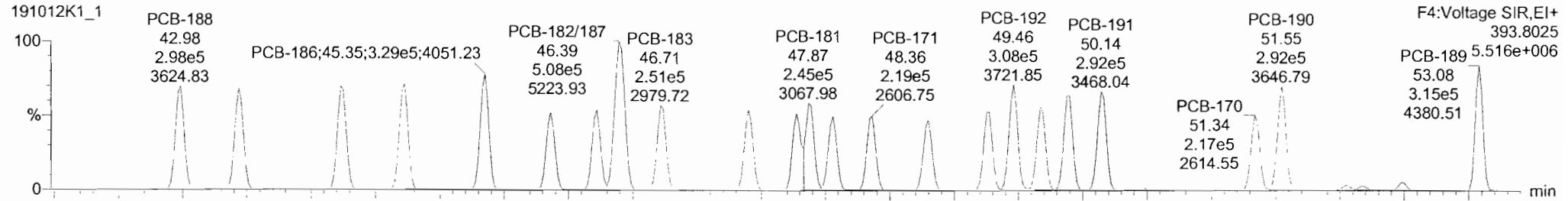
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Last Altered: Monday, October 14, 2019 14:35:03 Pacific Daylight Time

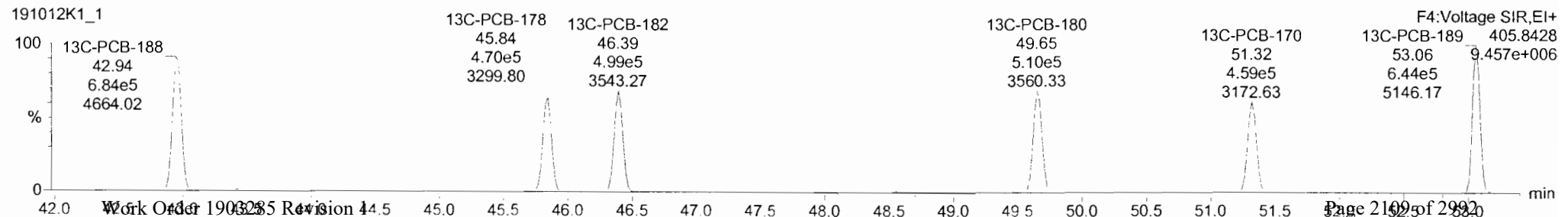
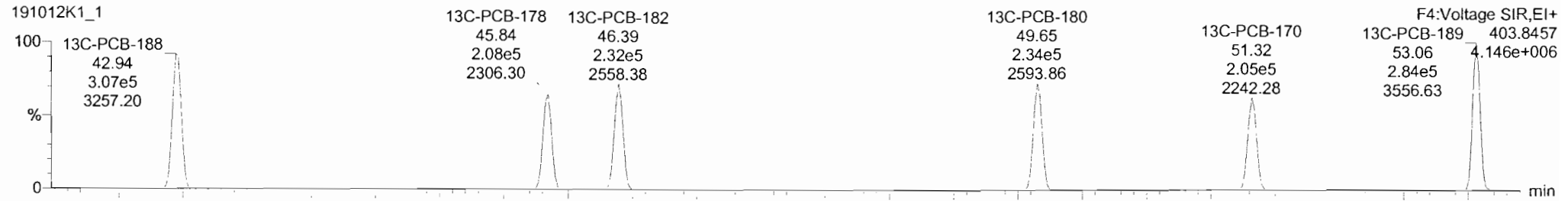
Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188



13C-PCB-188



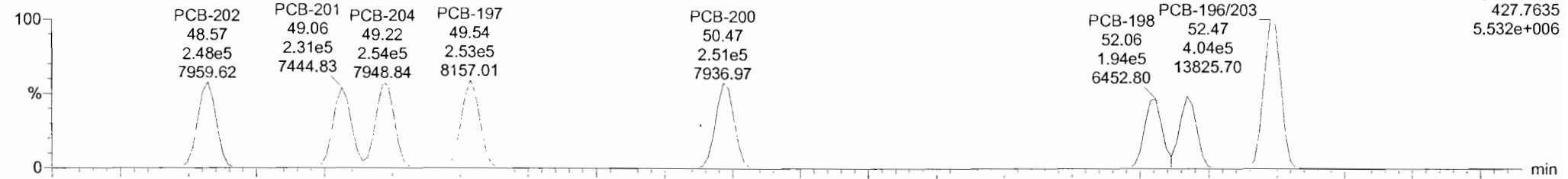
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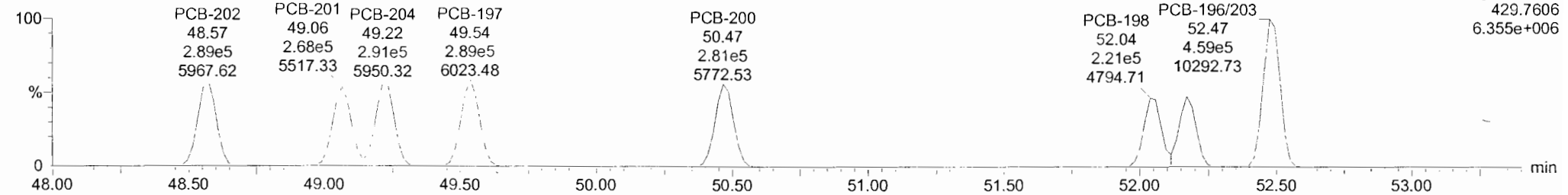
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PCB-202

191012K1_1

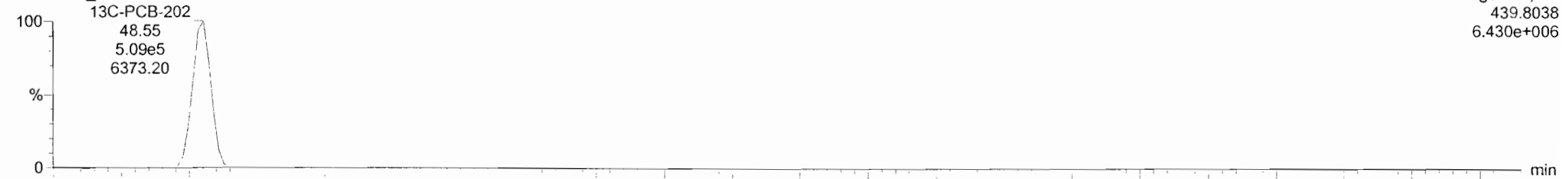


191012K1_1

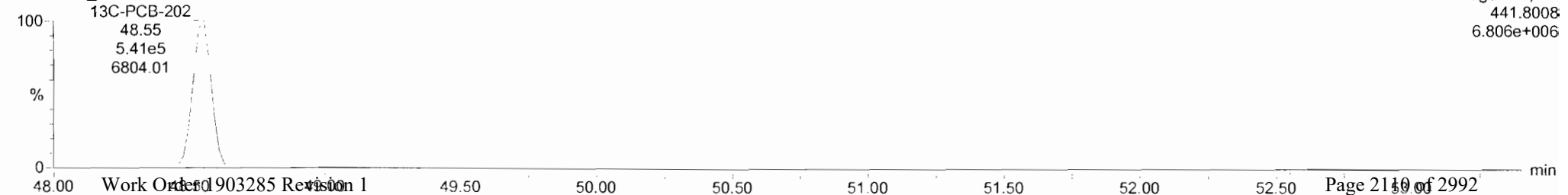


13C-PCB-202

191012K1_1



191012K1_1

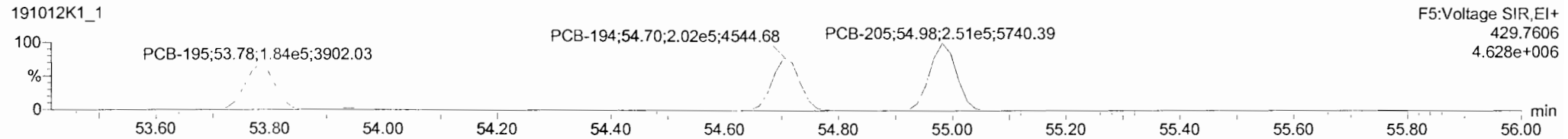
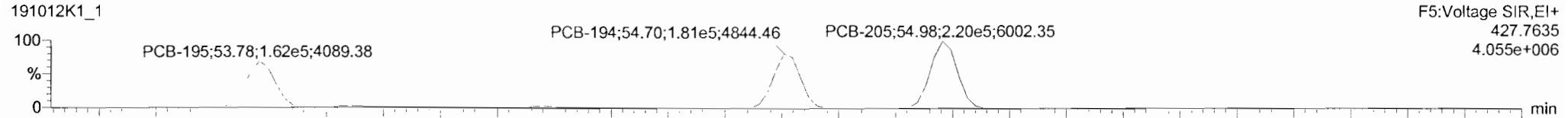


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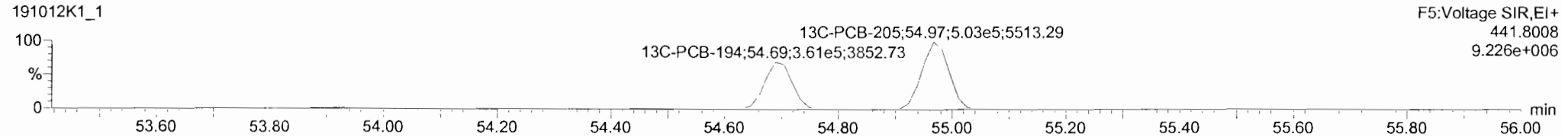
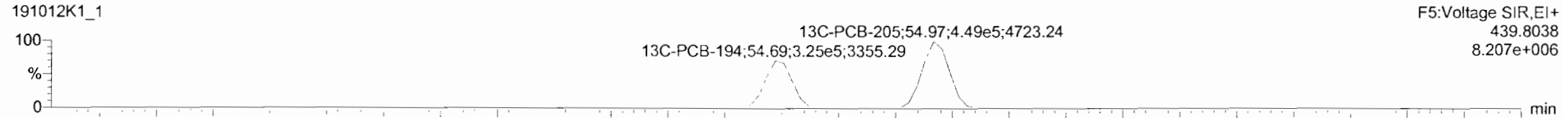
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Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

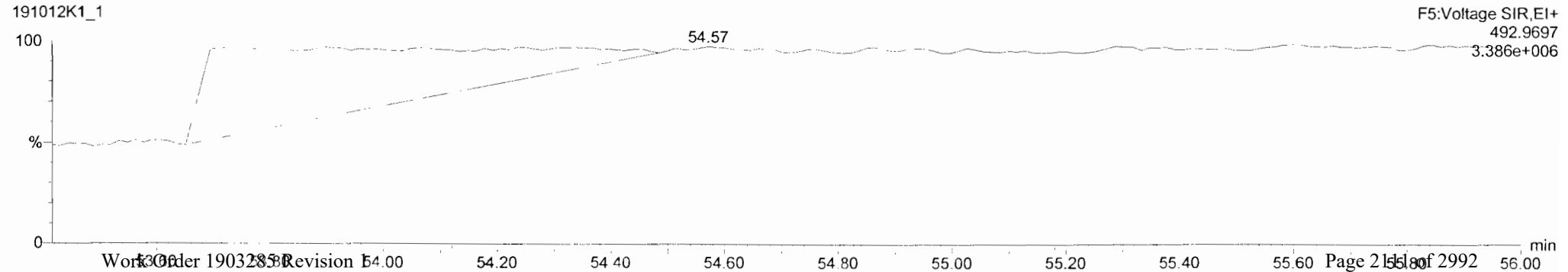
PCB-195



13C-PCB-194



PFK5



Dataset: Untitled

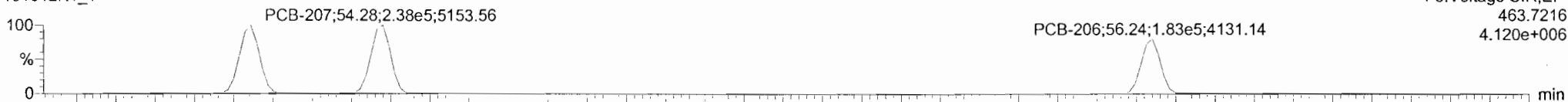
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Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

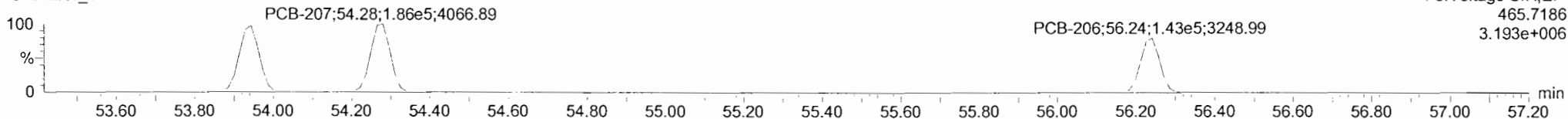
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PCB-208

191012K1_1

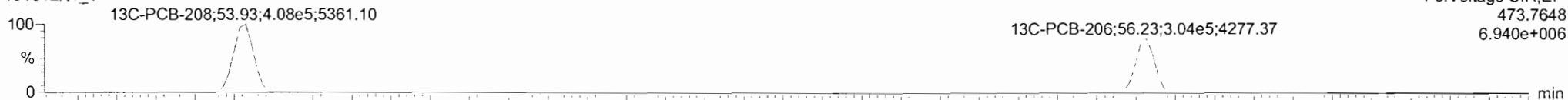


191012K1_1

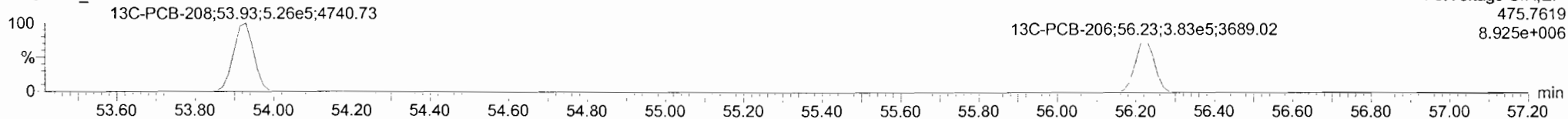


13C-PCB-208

191012K1_1

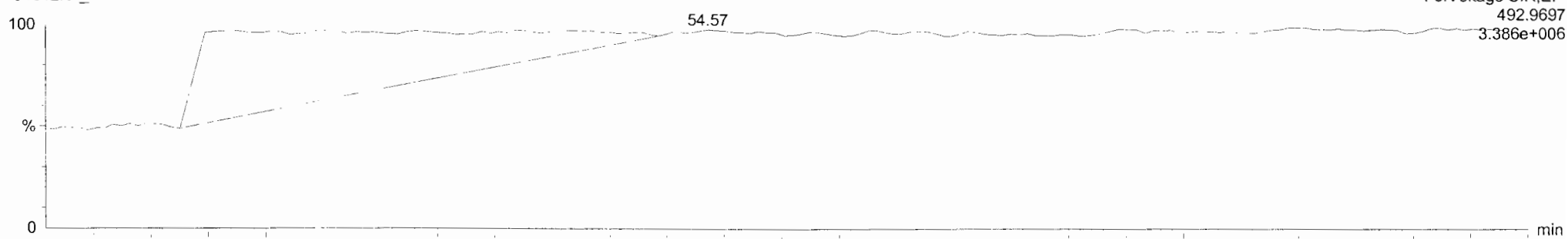


191012K1_1



PFK5

191012K1_1



Dataset: Untitled

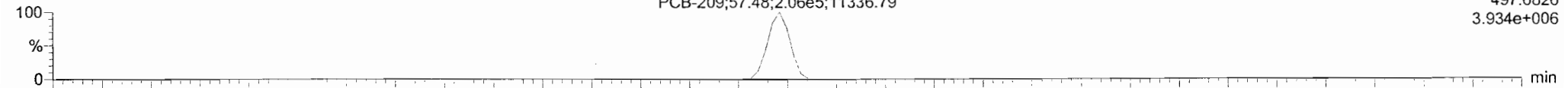
Last Altered: Monday, October 14, 2019 14:35:03 Pacific Daylight Time

Printed: Monday, October 14, 2019 14:35:17 Pacific Daylight Time

Name: 191012K1_1, Date: 12-Oct-2019, Time: 13:58:01, ID: ST191012K1-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

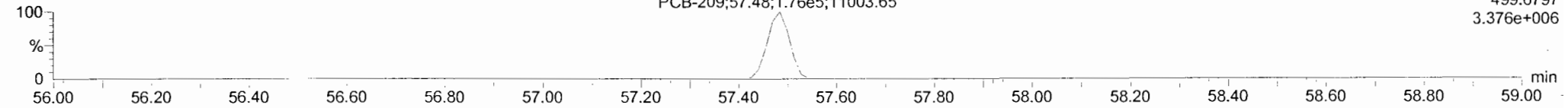
PCB-209

191012K1_1



F5:Voltage SIR,EI+
497.6826
3.934e+006

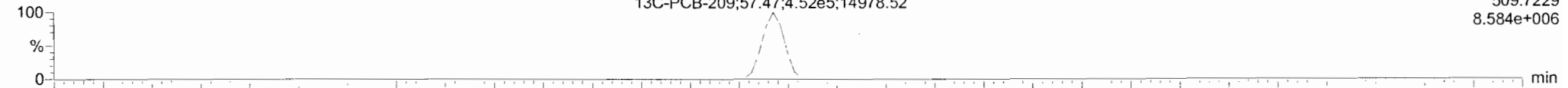
191012K1_1



F5:Voltage SIR,EI+
499.6797
3.376e+006

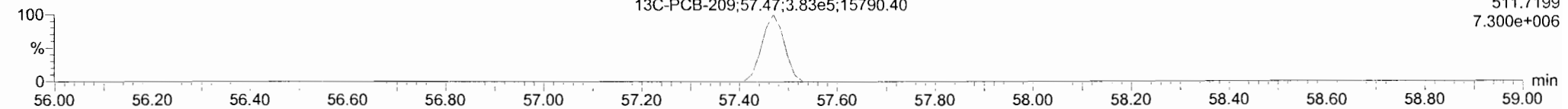
13C-PCB-209

191012K1_1



F5:Voltage SIR,EI+
509.7229
8.584e+006

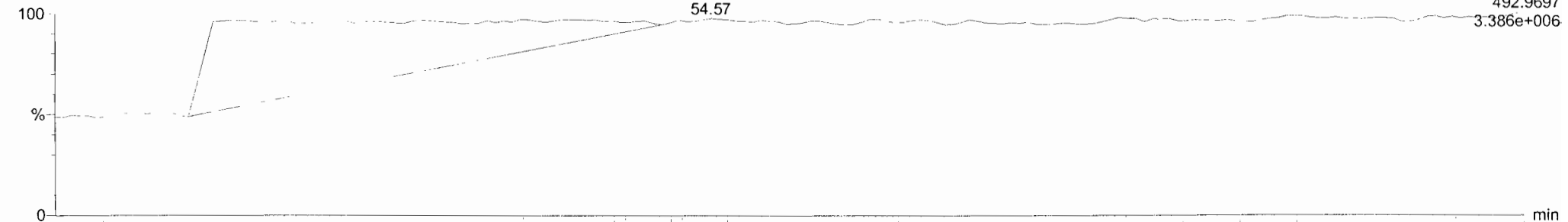
191012K1_1



F5:Voltage SIR,EI+
511.7199
7.300e+006

PFK5

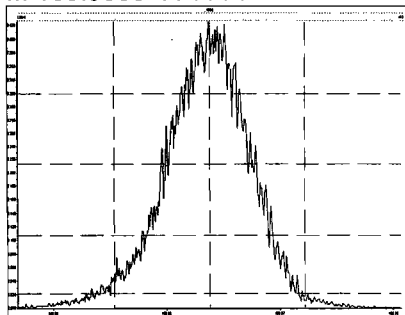
191012K1_1



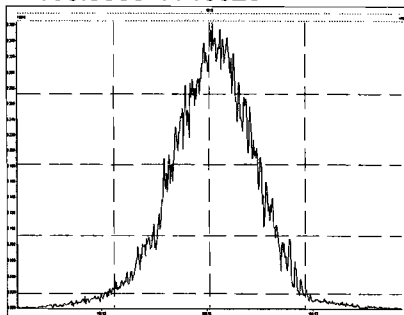
F5:Voltage SIR,EI+
492.9697
3.386e+006

(A) Did not centroid EL 10.14.19

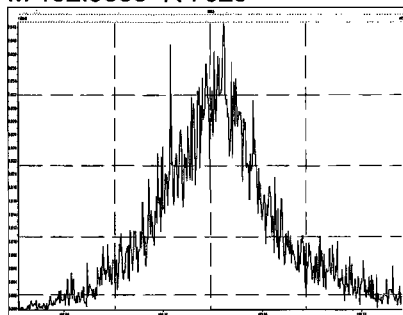
M 168.9888 R 10142



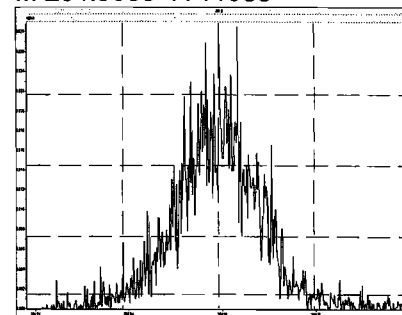
M 180.9888 R 10023



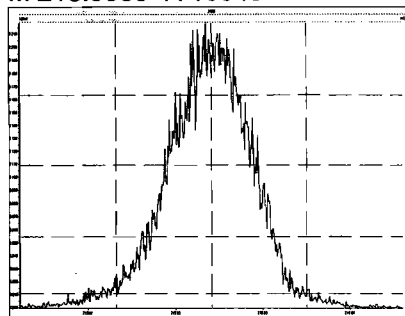
M 192.9888 R 7029



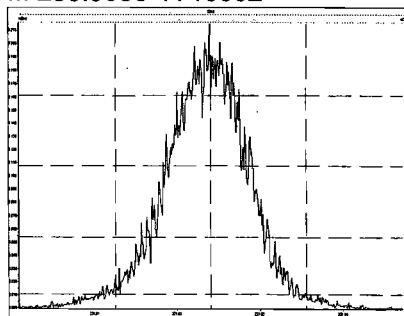
M 204.9888 R 11988



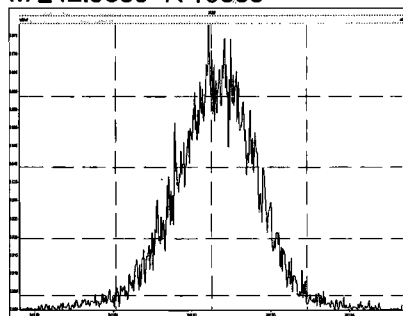
M 218.9856 R 10043



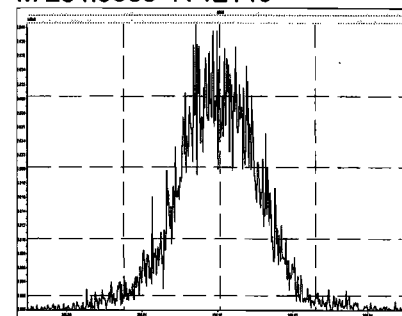
M 230.9856 R 10002



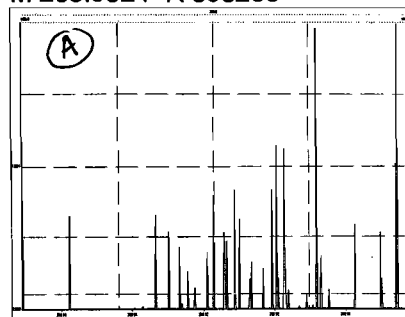
M 242.9856 R 10555



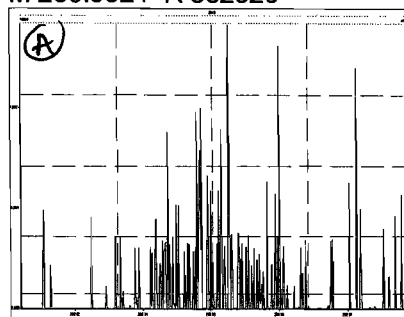
M 254.9856 R 12140



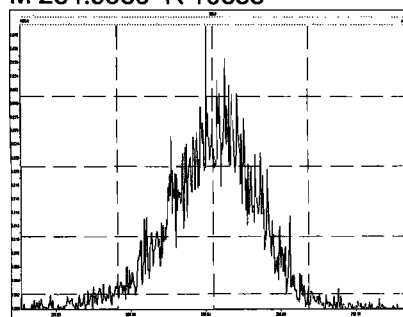
M 268.9824 R 595255



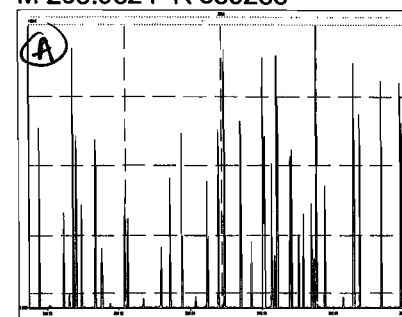
M 280.9824 R 352826



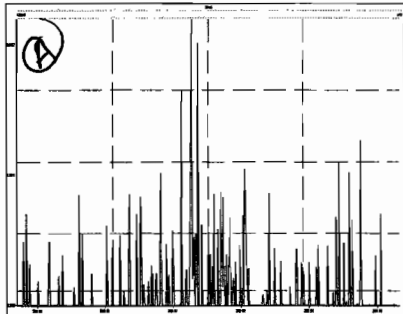
M 254.9856 R 10533



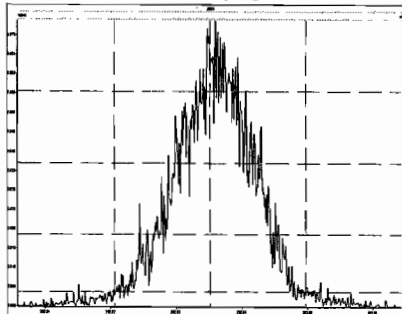
M 268.9824 R 339288



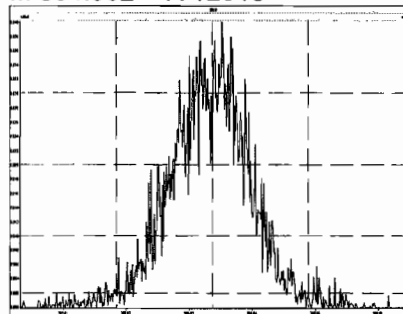
M 280.9824 R 245539



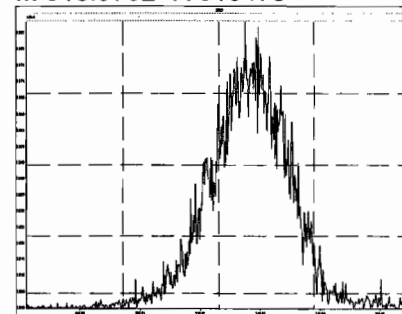
M 292.9824 R 11065



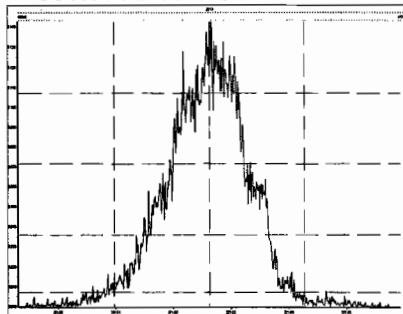
M 304.9824 R 12613



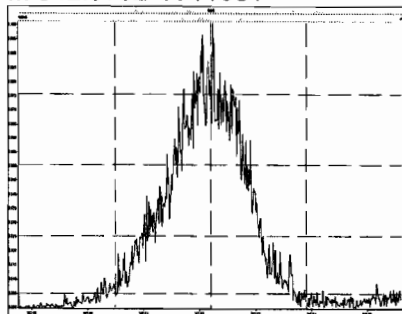
M 318.9792 R 318473



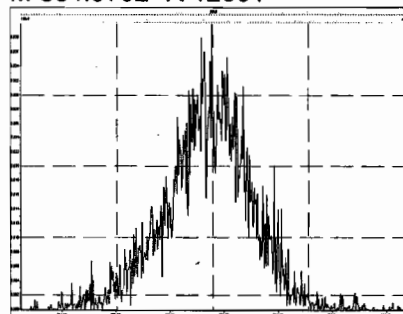
M 330.9792 R 11016



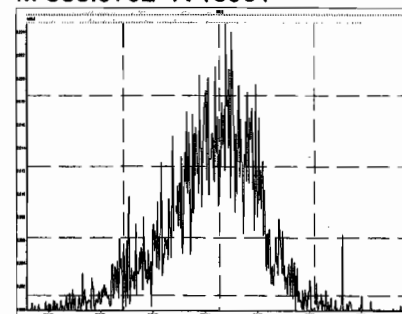
M 342.9792 R 11061



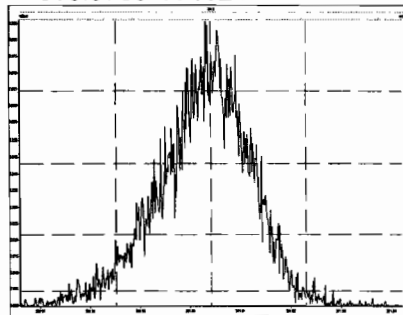
M 354.9792 R 12501



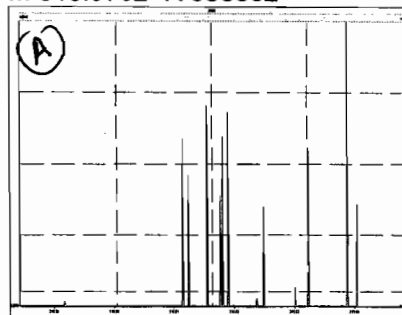
M 366.9792 R 13951



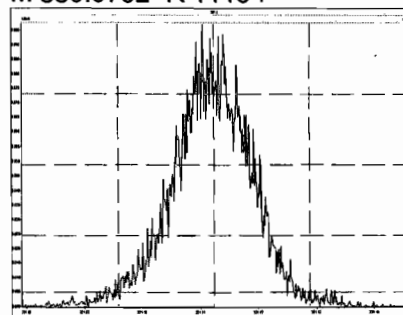
M 380.9760 R 10247



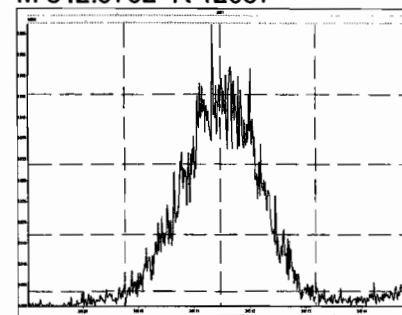
M 318.9792 R 833352



M 330.9792 R 11194

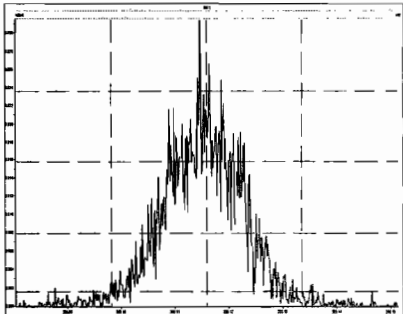


M 342.9792 R 12087

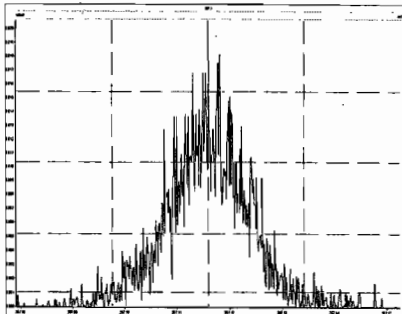


Printed: Sunday, October 13, 2019 02:20:38 Pacific Daylight Time

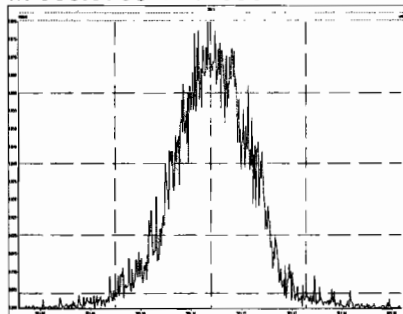
M 354.9792 R 14461



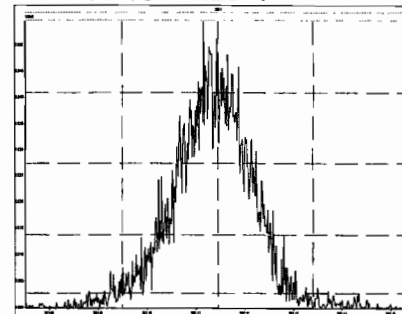
M 366.9792 R 13409



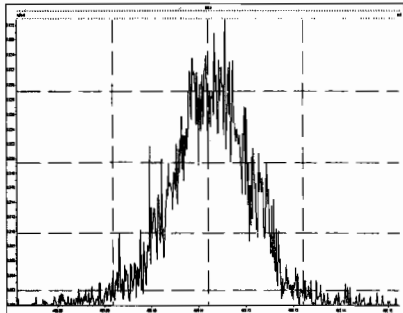
M 380.9760 R 11636



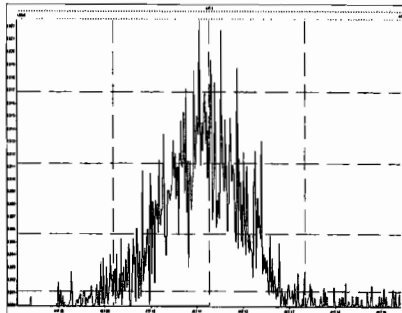
M 392.9760 R 12376



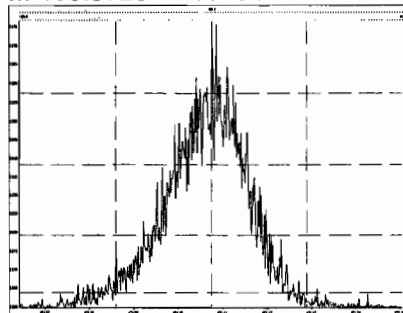
M 404.9760 R 12891



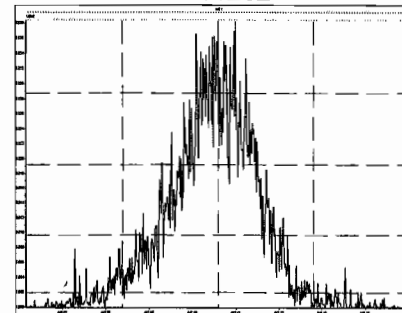
M 416.9760 R 13999



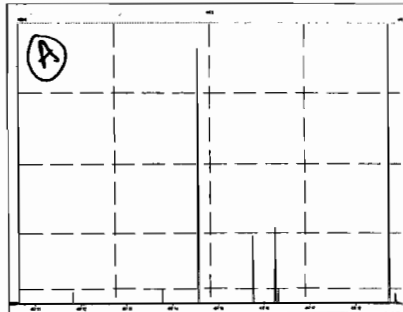
M 430.9728 R 10734



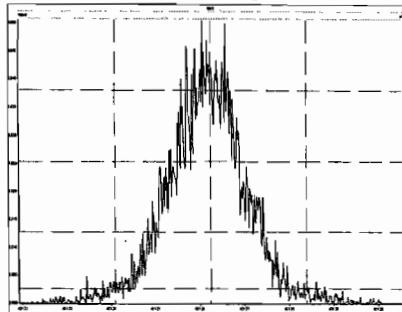
M 442.9728 R 11252



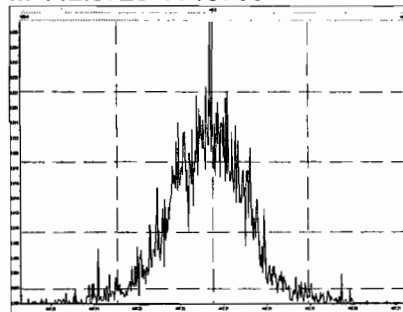
M 416.9760 R 625027



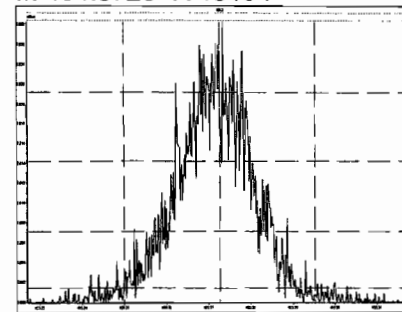
M 430.9728 R 13333



M 442.9728 R 13700

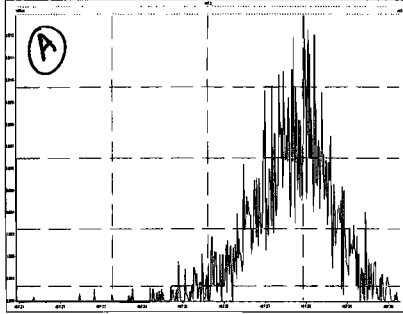


M 454.9728 R 13194

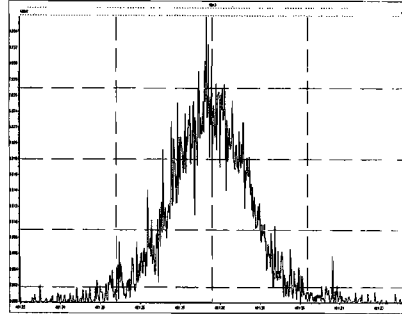


Printed: Sunday, October 13, 2019 02:20:38 Pacific Daylight Time

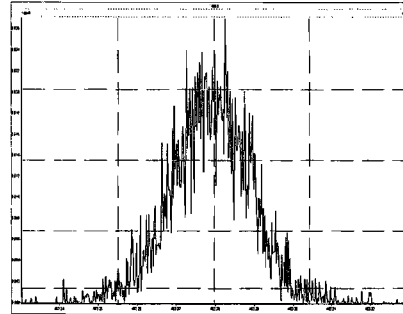
M 466.9728 R 74476



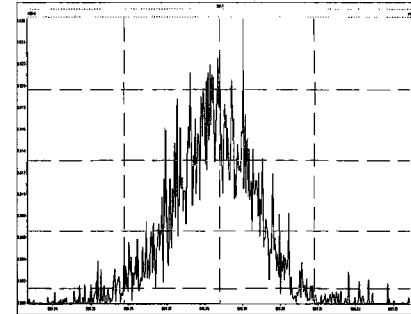
M 480.9696 R 12728



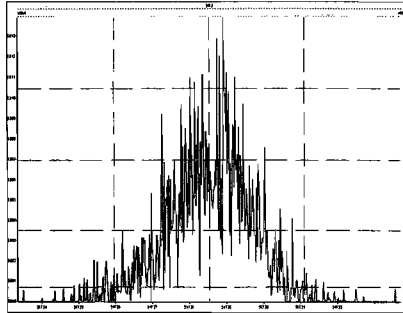
M 492.9696 R 13175



M 504.9696 R 12329



M 516.9697 R 14627



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191028K2-1

Reviewed By: GRB 10/29/19

Initials & Date

End Calibration ID: ST191028K3-1 ^{Hz 10-28-19}

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
TCDD/TCDF Valleys <25%	<input type="checkbox" value="NA"/>	<input type="checkbox" value="NA"/>
First and last eluters present?	<input type="checkbox" value="NA"/>	<input type="checkbox" value="NA"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
(ST-Year-Month-Day-VG ID)		
Forms signed and dated?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Correct ICAL referenced?	<u>H</u>	<u>H</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>
- Bottle position verified?	<input type="checkbox"/>	<u>H</u>

Mass resolution \geq

5k 6-8K 8K 10K

1614 1699 429 1613/1668/8280

<u>Beg.</u>	<u>End</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Intergrated peaks display correctly?

GC Break <20%

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

Comments:
 Endel files check had PFIC drain; some column bleeds and some peaks did not centroid

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-1.qld

Last Altered: Monday, October 28, 2019 16:39:44 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 08:52:46 Pacific Daylight Time

HZ 10-29-19

GRB 10/29/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 14:31:43

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	2.03e6	2.97	NO	1.02	1.000	15.22	15.23	1.001	1.002	NO	56.67	113	0.00668	56.67
2	2 PCB-2	2.11e6	3.02	NO	1.01	1.000	17.60	17.60	0.988	0.988	NO	55.56	111	0.00656	55.56
3	3 PCB-3	2.13e6	3.06	NO	1.01	1.000	17.83	17.84	1.001	1.001	NO	56.33	113	0.00658	56.33
4	4 PCB-4/10	3.12e6	1.55	NO	1.28	1.000	19.25	19.24	1.004	1.004	NO	101.9	102	0.0352	101.9
5	5 PCB-7/9	3.89e6	1.56	NO	0.976	1.000	21.03	21.01	1.003	1.002	NO	102.5	102	0.0290	102.5
6	6 PCB-6	2.05e6	1.58	NO	1.02	1.000	21.67	21.68	1.033	1.034	NO	51.83	104	0.0278	51.83
7	7 PCB-5/8	4.07e6	1.57	NO	1.01	1.000	22.07	22.09	1.052	1.053	NO	103.4	103	0.0280	103.4
8	8 PCB-14	2.07e6	1.59	NO	1.03	1.000	23.24	23.22	0.952	0.951	NO	51.44	103	0.0284	51.44
9	9 PCB-11	2.23e6	1.58	NO	1.10	1.000	24.44	24.44	1.001	1.001	NO	52.14	104	0.0267	52.13
10	10 PCB-12/13	4.13e6	1.58	NO	1.04	1.000	24.86	24.81	1.018	1.016	NO	102.1	102	0.0282	102.1
11	11 PCB-15	2.10e6	1.57	NO	1.03	1.000	25.16	25.15	1.030	1.030	NO	52.26	105	0.0285	52.26
12	12 PCB-19	1.04e6	0.97	NO	0.934	1.000	23.41	23.40	1.001	1.001	NO	55.84	112	0.0116	55.84
13	13 PCB-30	1.65e6	1.00	NO	1.48	1.000	24.31	24.30	1.040	1.040	NO	56.02	112	0.00734	56.02
14	14 PCB-18	1.10e6	1.01	NO	0.693	1.000	25.08	25.08	0.951	0.951	NO	54.79	110	0.0109	54.79
15	15 PCB-17	1.03e6	0.98	NO	0.667	1.000	25.25	25.25	0.958	0.958	NO	53.33	107	0.0113	53.33
16	16 PCB-24/27	2.89e6	0.99	NO	0.915	1.000	25.86	25.84	0.981	0.980	NO	108.5	109	0.00824	108.5
17	17 PCB-16/32	2.48e6	0.97	NO	0.792	1.000	26.38	26.38	1.001	1.001	NO	107.8	108	0.00952	107.8
18	18 PCB-34	1.65e6	1.05	NO	0.987	1.000	27.20	27.20	0.959	0.959	NO	48.72	97.4	0.0291	48.72
19	19 PCB-23	1.64e6	1.06	NO	0.974	1.000	27.30	27.29	0.962	0.962	NO	49.12	98.2	0.0295	49.12
20	20 PCB-29	1.62e6	1.04	NO	0.953	1.000	27.56	27.53	0.972	0.970	NO	49.32	98.6	0.0301	49.32
21	21 PCB-26	1.69e6	1.05	NO	1.00	1.000	27.77	27.75	0.979	0.978	NO	49.15	98.3	0.0287	49.15
22	22 PCB-25	1.71e6	1.05	NO	0.978	1.000	27.92	27.92	0.984	0.984	NO	50.95	102	0.0294	50.95
23	23 PCB-31	1.91e6	1.06	NO	1.12	1.000	28.30	28.27	0.998	0.997	NO	49.59	99.2	0.0256	49.59
24	24 PCB-28	1.90e6	1.05	NO	1.11	1.000	28.39	28.39	1.001	1.001	NO	50.14	100	0.0260	50.13
25	25 PCB-20/21/33	5.13e6	1.06	NO	1.00	1.000	29.02	29.02	1.023	1.023	NO	148.8	99.2	0.0286	148.8
26	26 PCB-22	1.90e6	1.04	NO	1.03	1.000	29.49	29.47	1.039	1.039	NO	53.66	107	0.0278	53.66
27	27 PCB-36	1.82e6	1.06	NO	1.18	1.000	30.10	30.12	0.930	0.931	NO	48.50	97.0	0.0268	48.50
28	28 PCB-39	1.73e6	1.05	NO	1.08	1.000	30.58	30.58	0.945	0.945	NO	49.87	99.7	0.0290	49.87
29	29 PCB-38	1.78e6	1.07	NO	1.13	1.000	31.38	31.38	0.970	0.970	NO	49.54	99.1	0.0279	49.54
30	30 PCB-35	1.75e6	1.05	NO	1.13	1.000	31.92	31.92	0.987	0.987	NO	48.42	96.8	0.0278	48.42
31	31 PCB-37	1.79e6	1.05	NO	1.11	1.000	32.39	32.37	1.001	1.001	NO	50.85	102	0.0285	50.85
32	32 PCB-54	1.37e6	0.74	NO	0.996	1.000	27.22	27.23	1.001	1.001	NO	53.57	107	0.0130	53.57

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-1.qld

Last Altered: Monday, October 28, 2019 16:39:44 Pacific Daylight Time
Printed: Tuesday, October 29, 2019 08:52:46 Pacific Daylight Time

Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	1.08e6	0.73	NO	0.781	1.000	28.42	28.42	1.045	1.045	NO	54.08	108	0.0166	54.08
34	34 PCB-53	1.02e6	0.74	NO	0.955	1.000	29.10	29.09	0.943	0.943	NO	53.13	106	0.0175	53.13
35	35 PCB-51	1.14e6	0.74	NO	1.02	1.000	29.44	29.45	0.955	0.955	NO	55.16	110	0.0163	55.16
36	36 PCB-45	8.68e5	0.73	NO	0.808	1.000	29.87	29.89	0.969	0.969	NO	53.29	107	0.0206	53.29
37	37 PCB-46	8.07e5	0.73	NO	0.754	1.000	30.38	30.40	0.985	0.985	NO	53.08	106	0.0221	53.08
38	38 PCB-52/69	2.38e6	0.73	NO	1.09	1.000	30.88	30.88	1.001	1.001	NO	108.2	108	0.0153	108.2
39	39 PCB-73	1.40e6	0.74	NO	1.29	1.000	31.00	31.01	1.005	1.005	NO	53.89	108	0.0129	53.89
40	40 PCB-43/49	1.99e6	0.73	NO	0.940	1.000	31.16	31.18	1.010	1.011	NO	105.0	105	0.0177	105.0
41	41 PCB-47	9.83e5	0.73	NO	0.869	1.000	31.38	31.38	1.001	1.001	NO	53.11	106	0.0175	53.11
42	42 PCB-48/75	2.32e6	0.74	NO	1.02	1.000	31.49	31.51	1.004	1.005	NO	106.2	106	0.0148	106.2
43	43 PCB-65	1.30e6	0.73	NO	1.11	1.000	31.76	31.77	1.013	1.013	NO	55.17	110	0.0137	55.17
44	44 PCB-62	1.19e6	0.74	NO	1.07	1.000	31.87	31.89	1.016	1.017	NO	52.45	105	0.0143	52.45
45	45 PCB-44	8.34e5	0.74	NO	0.761	1.000	32.20	32.20	1.027	1.027	NO	51.47	103	0.0200	51.47
46	46 PCB-42/59	2.19e6	0.73	NO	0.960	1.000	32.41	32.44	1.033	1.034	NO	107.2	107	0.0158	107.2
47	47 PCB-41/64/71/72	5.04e6	0.74	NO	1.08	1.000	33.02	33.04	1.053	1.053	NO	218.6	109	0.0141	218.6
48	48 PCB-68	1.31e6	0.75	NO	1.11	1.000	33.31	33.32	1.062	1.062	NO	55.65	111	0.0137	55.65
49	49 PCB-40	6.26e5	0.73	NO	0.577	1.000	33.53	33.52	1.069	1.069	NO	51.01	102	0.0264	51.01
50	50 PCB-57	1.42e6	0.74	NO	1.05	1.000	33.89	33.91	0.969	0.969	NO	54.22	108	0.0125	54.22
51	51 PCB-67	1.37e6	0.73	NO	0.993	1.000	34.21	34.23	0.978	0.978	NO	55.33	111	0.0132	55.33
52	52 PCB-58	1.40e6	0.74	NO	1.11	1.000	34.34	34.34	0.981	0.981	NO	50.47	101	0.0118	50.47
53	53 PCB-63	1.32e6	0.74	NO	0.962	1.000	34.49	34.51	0.986	0.986	NO	54.95	110	0.0136	54.95
54	54 PCB-74	1.45e6	0.74	NO	1.07	1.000	34.80	34.79	0.994	0.994	NO	54.48	109	0.0123	54.48
55	55 PCB-61/70	2.65e6	0.73	NO	0.986	1.000	35.01	35.01	1.000	1.000	NO	107.7	108	0.0133	107.7
56	56 PCB-76/66	2.89e6	0.74	NO	1.07	1.000	35.17	35.20	1.005	1.006	NO	108.3	108	0.0123	108.3
57	57 PCB-80	1.51e6	0.75	NO	1.08	1.000	35.46	35.46	1.001	1.000	NO	54.37	109	0.0118	54.37
58	58 PCB-55	1.50e6	0.74	NO	1.07	1.000	35.78	35.78	1.010	1.009	NO	54.55	109	0.0119	54.55
59	59 PCB-56/60	2.64e6	0.75	NO	0.934	1.000	36.30	36.28	1.024	1.024	NO	109.9	110	0.0136	109.9
60	60 PCB-79	1.49e6	0.74	NO	1.04	1.000	37.38	37.39	1.055	1.055	NO	55.44	111	0.0122	55.44
61	61 PCB-78	1.39e6	0.73	NO	1.03	1.000	38.11	38.10	0.987	0.987	NO	53.59	107	0.0131	53.59
62	62 PCB-81	1.24e6	0.74	NO	0.933	1.000	38.64	38.64	1.000	1.000	NO	52.95	106	0.0145	52.95
63	63 PCB-77	1.37e6	0.73	NO	1.03	1.000	39.26	39.25	1.000	1.000	NO	53.81	108	0.0133	53.81
64	64 PCB-104	1.03e6	1.57	NO	0.995	1.000	32.05	32.05	1.001	1.001	NO	51.91	104	0.0117	51.91
65	65 PCB-96	1.03e6	1.51	NO	0.996	1.000	33.35	33.35	1.041	1.041	NO	51.88	104	0.0117	51.88
66	66 PCB-103	8.03e5	1.54	NO	0.774	1.000	33.92	33.91	1.059	1.059	NO	51.91	104	0.0151	51.91
67	67 PCB-100	8.18e5	1.50	NO	0.778	1.000	34.28	34.29	1.070	1.070	NO	52.66	105	0.0150	52.66
68	68 PCB-94	6.58e5	1.51	NO	0.773	1.000	34.80	34.77	0.985	0.985	NO	54.61	109	0.0203	54.61

Dataset: U:\VG11.PRO\Results\191028K2\191028K2-1.qld

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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	2.54e6	1.53	NO	1.01	1.000	35.26	35.25	0.999	0.998	NO	160.7	107	0.0155	160.7
70	70 PCB-93	6.59e5	1.52	NO	0.841	1.000	35.39	35.38	1.002	1.002	NO	50.27	101	0.0187	50.27
71	71 PCB-88/91	1.46e6	1.48	NO	0.890	1.000	35.73	35.74	1.012	1.012	NO	105.5	105	0.0177	105.5
72	72 PCB-121	1.20e6	1.55	NO	1.39	1.000	35.85	35.83	1.015	1.015	NO	55.37	111	0.0113	55.37
73	73 PCB-84/92	1.40e6	1.52	NO	0.879	1.000	36.68	36.67	0.990	0.990	NO	103.2	103	0.0181	103.2
74	74 PCB-89	7.85e5	1.54	NO	0.959	1.000	36.85	36.85	0.995	0.995	NO	52.94	106	0.0166	52.94
75	75 PCB-90/101	1.52e6	1.52	NO	0.944	1.000	37.06	37.06	1.000	1.000	NO	104.6	105	0.0169	104.6
76	76 PCB-113	1.02e6	1.50	NO	1.23	1.000	37.30	37.30	1.007	1.007	NO	53.69	107	0.0129	53.69
77	77 PCB-99	9.04e5	1.54	NO	1.12	1.000	37.40	37.41	1.010	1.010	NO	52.28	105	0.0142	52.28
78	78 PCB-119	1.06e6	1.53	NO	1.47	1.000	37.88	37.88	0.987	0.987	NO	53.34	107	0.0122	53.34
79	79 PCB-108/112	1.76e6	1.55	NO	1.25	1.000	38.04	38.04	0.991	0.991	NO	104.4	104	0.0144	104.4
80	80 PCB-83	1.10e6	1.56	NO	1.55	1.000	38.19	38.21	0.995	0.996	NO	52.78	106	0.0116	52.78
81	81 PCB-97	7.70e5	1.55	NO	1.07	1.000	38.42	38.42	1.001	1.001	NO	52.96	106	0.0168	52.96
82	82 PCB-86	6.89e5	1.48	NO	0.996	1.000	38.56	38.57	1.005	1.005	NO	51.19	102	0.0181	51.19
83	83 PCB-87/117/125	2.85e6	1.53	NO	1.33	1.000	38.67	38.70	1.008	1.008	NO	158.0	105	0.0135	158.0
84	84 PCB-111/115	2.37e6	1.51	NO	1.60	1.000	38.84	38.85	1.012	1.012	NO	109.5	110	0.0113	109.5
85	85 PCB-85/116	1.69e6	1.53	NO	1.22	1.000	38.96	38.97	1.015	1.015	NO	103.0	103	0.0148	103.0
86	86 PCB-120	1.22e6	1.50	NO	1.68	1.000	39.22	39.24	1.022	1.022	NO	53.67	107	0.0107	53.67
87	87 PCB-110	1.04e6	1.52	NO	1.49	1.000	39.37	39.38	1.026	1.026	NO	51.57	103	0.0121	51.57
88	88 PCB-82	6.51e5	1.56	NO	0.674	1.000	40.02	40.02	0.976	0.975	NO	52.36	105	0.0199	52.36
89	89 PCB-124	1.13e6	1.57	NO	1.16	1.000	40.72	40.74	0.993	0.993	NO	52.87	106	0.0116	52.87
90	90 PCB-107/109	2.18e6	1.52	NO	1.17	1.000	40.87	40.87	0.996	0.996	NO	101.3	101	0.0115	101.3
91	91 PCB-123	9.96e5	1.53	NO	1.04	1.000	41.04	41.06	1.000	1.001	NO	51.90	104	0.0129	51.90
92	92 PCB-106/118	2.17e6	1.52	NO	1.07	1.000	41.26	41.26	1.001	1.001	NO	103.5	103	0.0117	103.5
93	93 PCB-114	1.25e6	1.58	NO	1.16	1.000	41.90	41.90	1.000	1.000	NO	50.37	101	0.0245	50.37
94	94 PCB-122	1.12e6	1.56	NO	0.973	1.000	42.03	42.06	1.003	1.004	NO	54.29	109	0.0292	54.29
95	95 PCB-105	1.25e6	1.57	NO	1.10	1.000	42.79	42.79	1.000	1.000	NO	50.79	102	0.0249	50.79
96	96 PCB-127	1.31e6	1.58	NO	1.11	1.000	43.15	43.15	1.000	1.000	NO	52.36	105	0.0240	52.35
97	97 PCB-126	1.36e6	1.59	NO	1.21	1.000	45.10	45.10	1.000	1.000	NO	52.00	104	0.0235	52.00
98	98 PCB-155	6.80e5	1.26	NO	0.874	1.000	36.59	36.59	1.000	1.000	NO	54.18	108	0.00706	54.18
99	99 PCB-150	7.05e5	1.28	NO	0.881	1.000	37.90	37.90	1.036	1.036	NO	55.75	111	0.00700	55.75
100	1... PCB-152	8.19e5	1.24	NO	1.00	1.000	38.40	38.38	1.050	1.049	NO	56.78	114	0.00614	56.78
101	1... PCB-145	8.02e5	1.23	NO	1.00	1.000	38.85	38.85	1.062	1.062	NO	55.89	112	0.00617	55.89
102	1... PCB-136	6.88e5	1.25	NO	0.843	1.000	39.17	39.18	1.071	1.071	NO	56.81	114	0.00731	56.81
103	1... PCB-148	5.20e5	1.25	NO	0.693	1.000	39.31	39.29	1.075	1.074	NO	52.27	105	0.00890	52.27
104	1... PCB-154	5.75e5	1.28	NO	0.724	1.000	39.80	39.79	1.088	1.088	NO	55.32	111	0.00852	55.32

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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	5.01e5	1.27	NO	0.632	1.000	40.46	40.46	1.106	1.106	NO	55.19	110	0.00976	55.19
106	1... PCB-135	5.87e5	1.26	NO	0.716	1.000	40.69	40.69	1.112	1.112	NO	57.15	114	0.00861	57.15
107	1... PCB-144	4.94e5	1.29	NO	0.667	1.000	40.79	40.80	1.115	1.115	NO	51.63	103	0.00925	51.63
108	1... PCB-147	5.35e5	1.27	NO	0.661	1.000	40.93	40.93	1.119	1.119	NO	56.33	113	0.00933	56.33
109	1... PCB-139/149	1.26e6	1.25	NO	0.738	1.000	41.21	41.21	1.127	1.127	NO	118.4	118	0.00835	118.4
110	1... PCB-140	5.12e5	1.28	NO	0.627	1.000	41.39	41.39	1.132	1.132	NO	56.80	114	0.00983	56.80
111	1... PCB-134/143	1.36e6	1.21	NO	0.733	1.000	41.87	41.85	0.975	0.974	NO	105.0	105	0.0410	105.0
112	1... PCB-131/133	1.47e6	1.21	NO	0.790	1.000	42.15	42.15	0.982	0.982	NO	105.7	106	0.0380	105.7
113	1... PCB-142	6.66e5	1.22	NO	0.708	1.000	42.30	42.30	0.985	0.985	NO	53.28	107	0.0424	53.28
114	1... PCB-146/165	1.80e6	1.21	NO	0.959	1.000	42.55	42.55	0.991	0.991	NO	106.1	106	0.0313	106.1
115	1... PCB-132/161	1.83e6	1.19	NO	0.974	1.000	42.78	42.79	0.996	0.997	NO	106.5	107	0.0308	106.5
116	1... PCB-153	9.18e5	1.23	NO	1.01	1.000	42.96	42.98	1.000	1.001	NO	51.41	103	0.0297	51.41
117	1... PCB-168	9.41e5	1.21	NO	1.02	1.000	43.19	43.19	1.006	1.006	NO	52.34	105	0.0295	52.34
118	1... PCB-141	7.31e5	1.21	NO	0.967	1.000	43.74	43.74	1.000	1.000	NO	50.33	101	0.0355	50.33
119	1... PCB-137	7.30e5	1.19	NO	0.987	1.000	44.12	44.12	1.009	1.009	NO	49.25	98.5	0.0347	49.25
120	1... PCB-130	6.61e5	1.22	NO	0.840	1.000	44.23	44.23	1.012	1.012	NO	52.41	105	0.0408	52.41
121	1... PCB-138/163/164	2.91e6	1.21	NO	1.23	1.000	44.61	44.63	1.001	1.001	NO	157.3	105	0.0284	157.3
122	1... PCB-158/160	1.88e6	1.22	NO	1.18	1.000	44.85	44.88	1.006	1.007	NO	105.7	106	0.0295	105.7
123	1... PCB-129	6.43e5	1.22	NO	0.819	1.000	45.10	45.12	1.012	1.012	NO	52.01	104	0.0424	52.01
124	1... PCB-166	1.04e6	1.20	NO	1.07	1.000	45.59	45.58	0.993	0.993	NO	51.96	104	0.0265	51.96
125	1... PCB-159	1.11e6	1.22	NO	1.12	1.000	45.92	45.94	1.000	1.001	NO	53.16	106	0.0253	53.16
126	1... PCB-128/162	1.69e6	1.21	NO	0.851	1.000	46.20	46.22	1.007	1.007	NO	106.3	106	0.0333	106.3
127	1... PCB-167	1.02e6	1.20	NO	1.04	1.000	46.64	46.64	1.000	1.000	NO	52.34	105	0.0275	52.34
128	1... PCB-156	1.04e6	1.20	NO	1.06	1.000	47.97	47.97	1.000	1.000	NO	52.80	106	0.0276	52.80
129	1... PCB-157	9.79e5	1.22	NO	0.978	1.000	48.25	48.23	1.001	1.000	NO	52.95	106	0.0286	52.95
130	1... PCB-169	1.14e6	1.21	NO	1.11	1.000	50.51	50.50	1.000	1.000	NO	51.83	104	0.0246	51.83
131	1... PCB-188	9.46e5	1.03	NO	1.19	1.000	42.60	42.58	1.001	1.000	NO	52.49	105	0.0211	52.49
132	1... PCB-184	8.80e5	1.04	NO	1.17	1.000	43.04	43.06	1.011	1.012	NO	49.91	99.8	0.0216	49.91
133	1... PCB-179	9.06e5	1.03	NO	1.18	1.000	43.84	43.85	1.030	1.030	NO	51.01	102	0.0214	51.01
134	1... PCB-176	8.99e5	1.03	NO	1.16	1.000	44.31	44.33	1.041	1.041	NO	51.35	103	0.0217	51.35
135	1... PCB-186	9.64e5	1.03	NO	1.22	1.000	44.92	44.95	1.055	1.056	NO	52.41	105	0.0207	52.41
136	1... PCB-178	6.52e5	1.05	NO	0.830	1.000	45.42	45.48	1.067	1.069	NO	52.00	104	0.0303	52.00
137	1... PCB-175	6.63e5	1.06	NO	0.849	1.000	45.77	45.83	1.075	1.077	NO	51.73	103	0.0297	51.73
138	1... PCB-182/187	1.51e6	1.02	NO	0.960	1.000	45.97	46.01	1.080	1.081	NO	104.3	104	0.0262	104.3
139	1... PCB-183	7.66e5	1.01	NO	0.957	1.000	46.29	46.34	1.088	1.089	NO	52.98	106	0.0263	52.98
140	1... PCB-185	6.69e5	1.01	NO	1.32	1.000	47.05	47.02	0.955	0.954	NO	48.18	96.4	0.0281	48.18

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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	5.92e5	1.04	NO	1.22	1.000	47.42	47.38	0.962	0.962	NO	46.15	92.3	0.0305	46.15
142	1... PCB-181	7.24e5	1.03	NO	1.41	1.000	47.51	47.49	0.964	0.964	NO	48.60	97.2	0.0262	48.60
143	1... PCB-177	6.03e5	1.05	NO	1.24	1.000	47.69	47.66	0.968	0.967	NO	46.19	92.4	0.0299	46.19
144	1... PCB-171	6.40e5	1.03	NO	1.24	1.000	47.98	47.97	0.974	0.974	NO	48.97	97.9	0.0299	48.97
145	1... PCB-173	6.00e5	1.04	NO	1.14	1.000	48.42	48.40	0.983	0.982	NO	49.91	99.8	0.0325	49.91
146	1... PCB-172	7.23e5	1.03	NO	1.31	1.000	48.89	48.88	0.992	0.992	NO	52.52	105	0.0284	52.52
147	1... PCB-192	9.51e5	1.04	NO	1.70	1.000	49.08	49.06	0.996	0.996	NO	53.10	106	0.0218	53.10
148	1... PCB-180	7.39e5	1.04	NO	1.32	1.000	49.29	49.29	1.000	1.000	NO	53.16	106	0.0281	53.16
149	1... PCB-193	8.24e5	1.03	NO	1.54	1.000	49.52	49.50	1.005	1.005	NO	50.85	102	0.0241	50.84
150	1... PCB-191	8.43e5	1.05	NO	1.57	1.000	49.76	49.76	1.010	1.010	NO	50.88	102	0.0236	50.88
151	1... PCB-170	6.22e5	0.98	NO	1.36	1.000	50.96	50.96	1.000	1.000	NO	49.28	98.6	0.0323	49.28
152	1... PCB-190	8.46e5	1.02	NO	1.84	1.000	51.14	51.17	1.004	1.005	NO	49.51	99.0	0.0239	49.51
153	1... PCB-189	8.92e5	1.04	NO	1.33	1.000	52.74	52.74	1.000	1.000	NO	51.69	103	0.0201	51.69
154	1... PCB-202	7.06e5	0.92	NO	1.02	1.000	48.19	48.17	1.001	1.000	NO	53.47	107	0.0102	53.47
155	1... PCB-201	6.74e5	0.91	NO	0.915	1.000	48.67	48.69	1.011	1.011	NO	57.12	114	0.0114	57.12
156	1... PCB-204	7.16e5	0.92	NO	0.979	1.000	48.82	48.84	1.014	1.014	NO	56.74	113	0.0107	56.74
157	1... PCB-197	6.99e5	0.91	NO	0.979	1.000	49.14	49.16	1.020	1.021	NO	55.43	111	0.0107	55.43
158	1... PCB-200	6.97e5	0.90	NO	0.954	1.000	50.08	50.09	1.040	1.040	NO	56.71	113	0.0110	56.71
159	1... PCB-198	5.34e5	0.89	NO	0.748	1.000	51.61	51.68	1.072	1.073	NO	55.34	111	0.0140	55.34
160	1... PCB-199	5.01e5	0.91	NO	0.706	1.000	51.74	51.81	1.074	1.076	NO	55.08	110	0.0148	55.08
161	1... PCB-196/203	1.09e6	0.92	NO	0.785	1.000	52.05	52.13	1.081	1.083	NO	107.8	108	0.0134	107.8
162	1... PCB-195	7.24e5	0.89	NO	1.03	1.000	53.49	53.47	0.984	0.983	NO	50.55	101	0.0185	50.55
163	1... PCB-194	8.17e5	0.90	NO	1.16	1.000	54.40	54.40	1.000	1.000	NO	51.01	102	0.0165	51.01
164	1... PCB-205	1.06e6	0.91	NO	1.40	1.000	54.67	54.68	1.005	1.005	NO	54.69	109	0.0136	54.69
165	1... PCB-208	7.46e5	1.31	NO	0.934	1.000	53.61	53.63	1.000	1.000	NO	52.13	104	0.0271	52.13
166	1... PCB-207	7.36e5	1.32	NO	0.912	1.000	53.93	53.96	1.006	1.007	NO	52.66	105	0.0277	52.66
167	1... PCB-206	6.38e5	1.30	NO	0.987	1.000	55.94	55.94	1.000	1.000	NO	51.18	102	0.0287	51.18
168	1... PCB-209	6.44e5	1.16	NO	0.943	1.000	57.17	57.18	1.000	1.000	NO	51.85	104	0.00234	51.85
169	1... 13C-PCB-1	3.51e6	3.50	NO	1.08	1.000	15.21	15.20	0.605	0.605	NO	80.09	80.1	0.0502	
170	1... 13C-PCB-3	3.76e6	3.33	NO	1.09	1.000	17.82	17.82	0.709	0.709	NO	84.82	84.8	0.0496	
171	1... 13C-PCB-4	2.40e6	1.59	NO	0.640	1.000	19.17	19.17	0.763	0.763	NO	92.31	92.3	0.0238	
172	1... 13C-PCB-9	3.89e6	1.57	NO	0.995	1.000	20.97	20.97	0.834	0.835	NO	96.20	96.2	0.0153	
173	1... 13C-PCB-11	3.90e6	1.57	NO	0.971	1.000	24.42	24.42	0.972	0.972	NO	98.87	98.9	0.0157	
174	1... 13C-PCB-19	1.99e6	0.99	NO	0.637	1.000	23.37	23.38	0.930	0.930	NO	76.99	77.0	0.194	
175	1... 13C-PCB-32	2.91e6	1.00	NO	0.910	1.000	26.36	26.36	1.049	1.049	NO	78.67	78.7	0.136	
176	1... 13C-PCB-28	3.44e6	0.98	NO	1.07	1.000	28.36	28.37	1.004	1.004	NO	98.20	98.2	0.173	

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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	3.19e6	0.99	NO	0.959	1.000	32.36	32.35	1.145	1.145	NO	101.6	102	0.193	
178	1... 13C-PCB-54	2.56e6	0.78	NO	1.10	1.000	27.19	27.20	0.750	0.750	NO	92.61	92.6	0.0409	
179	1... 13C-PCB-52	2.02e6	0.77	NO	0.844	1.000	30.84	30.84	0.850	0.851	NO	94.82	94.8	0.0531	
180	1... 13C-PCB-47	2.13e6	0.77	NO	0.893	1.000	31.36	31.36	0.865	0.865	NO	94.61	94.6	0.0502	
181	1... 13C-PCB-70	2.50e6	0.76	NO	1.01	1.000	34.99	34.99	0.965	0.965	NO	98.42	98.4	0.0445	
182	1... 13C-PCB-80	2.57e6	0.77	NO	1.05	1.000	35.43	35.44	0.977	0.977	NO	97.41	97.4	0.0429	
183	1... 13C-PCB-81	2.52e6	0.76	NO	0.985	1.000	38.62	38.62	1.065	1.065	NO	101.5	101	0.0456	
184	1... 13C-PCB-77	2.47e6	0.76	NO	0.958	1.000	39.23	39.24	1.082	1.082	NO	102.3	102	0.0468	
185	1... 13C-PCB-104	2.00e6	1.60	NO	1.10	1.000	32.03	32.03	0.825	0.825	NO	91.17	91.2	0.0204	
186	1... 13C-PCB-95	1.56e6	1.59	NO	0.852	1.000	35.31	35.31	0.909	0.909	NO	91.47	91.5	0.0263	
187	1... 13C-PCB-101	1.55e6	1.60	NO	0.814	1.000	37.04	37.04	0.954	0.953	NO	95.03	95.0	0.0275	
188	1... 13C-PCB-97	1.35e6	1.59	NO	0.709	1.000	38.39	38.38	0.988	0.988	NO	95.43	95.4	0.0315	
189	1... 13C-PCB-123	1.84e6	1.60	NO	0.922	1.000	41.02	41.02	1.056	1.056	NO	100.1	100	0.0243	
190	1... 13C-PCB-118	1.96e6	1.58	NO	0.975	1.000	41.23	41.23	1.061	1.061	NO	100.5	100	0.0229	
191	1... 13C-PCB-114	2.13e6	1.52	NO	1.52	1.000	41.89	41.88	0.907	0.907	NO	108.0	108	0.0366	
192	1... 13C-PCB-105	2.23e6	1.53	NO	1.58	1.000	42.79	42.77	0.927	0.926	NO	108.5	108	0.0351	
193	1... 13C-PCB-127	2.25e6	1.53	NO	1.62	1.000	43.13	43.13	0.934	0.934	NO	107.1	107	0.0343	
194	1... 13C-PCB-126	2.16e6	1.57	NO	1.45	1.000	45.10	45.09	0.976	0.976	NO	115.2	115	0.0385	
195	1... 13C-PCB-155	1.44e6	1.27	NO	1.03	1.000	36.57	36.58	0.942	0.942	NO	70.03	70.0	0.0100	
196	1... 13C-PCB-153	1.76e6	1.25	NO	1.42	1.000	42.96	42.94	0.930	0.930	NO	95.51	95.5	0.0479	
197	1... 13C-PCB-141	1.50e6	1.27	NO	1.14	1.000	43.72	43.72	0.947	0.947	NO	101.3	101	0.0596	
198	1... 13C-PCB-138	1.51e6	1.26	NO	1.18	1.000	44.60	44.57	0.966	0.965	NO	98.57	98.6	0.0577	
199	1... 13C-PCB-159	1.87e6	1.27	NO	1.43	1.000	45.93	45.90	0.994	0.994	NO	100.5	101	0.0475	
200	2... 13C-PCB-167	1.87e6	1.28	NO	1.42	1.000	46.62	46.62	1.010	1.009	NO	101.3	101	0.0479	
201	2... 13C-PCB-156	1.86e6	1.27	NO	1.40	1.000	47.95	47.95	1.038	1.038	NO	102.6	103	0.0488	
202	2... 13C-PCB-157	1.89e6	1.28	NO	1.41	1.000	48.22	48.21	1.044	1.044	NO	103.6	104	0.0484	
203	2... 13C-PCB-169	1.99e6	1.27	NO	1.35	1.000	50.50	50.49	1.093	1.093	NO	114.0	114	0.0506	
204	2... 13C-PCB-188	1.51e6	0.45	NO	1.46	1.000	42.57	42.57	0.925	0.925	NO	97.90	97.9	0.0281	
205	2... 13C-PCB-180	1.05e6	0.46	NO	0.932	1.000	49.28	49.27	1.071	1.071	NO	107.1	107	0.0440	
206	2... 13C-PCB-170	9.28e5	0.45	NO	0.796	1.000	50.95	50.94	1.107	1.107	NO	110.5	111	0.0516	
207	2... 13C-PCB-189	1.29e6	0.46	NO	1.09	1.000	52.75	52.72	1.146	1.146	NO	112.5	113	0.0377	
208	2... 13C-PCB-202	1.29e6	0.93	NO	1.45	1.000	48.17	48.15	1.043	1.043	NO	84.20	84.2	0.0212	
209	2... 13C-PCB-194	1.39e6	0.91	NO	0.714	1.000	54.39	54.39	0.995	0.995	NO	97.25	97.2	0.0348	
210	2... 13C-PCB-208	1.53e6	0.78	NO	0.896	1.000	53.59	53.60	0.980	0.980	NO	85.67	85.7	0.0392	
211	2... 13C-PCB-206	1.26e6	0.79	NO	0.653	1.000	55.91	55.92	1.023	1.023	NO	96.83	96.8	0.0538	
212	2... 13C-PCB-209	1.32e6	1.21	NO	0.806	1.000	57.16	57.17	1.046	1.046	NO	81.89	81.9	0.00543	

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Last Altered: Monday, October 28, 2019 16:39:44 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 08:52:46 Pacific Daylight Time

Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	4.06e6	1.58	NO	1.00	1.000	25.12	25.13	1.000	0.000	NO	100.0	100	0.0152	
214	2... 13C-PCB-31	3.27e6	0.98	NO	1.00	1.000	28.24	28.26	1.000	0.000	NO	100.0	100	0.185	
215	2... 13C-PCB-60	2.52e6	0.77	NO	1.00	1.000	36.25	36.26	1.000	0.000	NO	100.0	100	0.0449	
216	2... 13C-PCB-111	2.00e6	1.61	NO	1.00	1.000	38.83	38.85	1.000	0.000	NO	100.0	100	0.0224	
217	2... 13C-PCB-128	1.30e6	1.24	NO	1.00	1.000	46.16	46.19	1.000	0.000	NO	100.0	100	0.0681	
218	2... 13C-PCB-182	1.06e6	0.45	NO	1.00	1.000	45.99	46.01	0.000	0.000	NO	100.0	100	0.0410	
219	2... 13C-PCB-205	2.00e6	0.90	NO	1.00	1.000	54.66	54.67	1.000	0.000	NO	100.0	100	0.0249	
220	2... 13C-PCB-79	2.64e6	0.76	NO	1.03	1.000	37.37	37.38	1.031	1.031	NO	101.4	101	0.0435	
221	2... 13C-PCB-178	9.67e5	0.46	NO	0.875	1.000	45.47	45.45	0.988	0.988	NO	85.27	85.3	0.0371	
222	2... 13C-PCB-79	2.64e6	0.76	NO	1.05	1.000	37.37	37.38	0.967	0.968	NO	100.2	100	0.0426	
223	2... 13C-PCB-178	9.67e5	0.46	NO	0.975	1.000	45.51	45.45	0.924	0.922	NO	94.25	94.3	0.0414	

75%
↑

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:30:47 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	191028K2_1	ST191028K2-1 PCB 209 CS3 19C1106	28-Oct-19	15:30:11
2	191028K2_2	B9J0180-BS1 OPR 1	28-Oct-19	16:32:24
3	191028K2_3	B9J0219-BS1 OPR 1	28-Oct-19	17:33:28
4	191028K2_4	B9J0229-BS1 OPR 1	28-Oct-19	18:35:39
5	191028K2_5	SOLVENT BLANK	28-Oct-19	19:37:34
6	191028K2_6	B9J0180-BLK1 Method Blank 1	28-Oct-19	20:38:40
7	191028K2_7	B9J0219-BLK1 Method Blank 1	28-Oct-19	21:39:45
8	191028K2_8	B9J0229-BLK1 Method Blank 1	28-Oct-19	22:41:58
9	191028K2_9	1903583-01 EFF-001 0.96887	28-Oct-19	23:43:54
10	191028K2_10	1903545-01 LE60610 0.89038	29-Oct-19	00:44:59
11	191028K2_11	1903285-01RE1@20X PDI-014SG-00-0.78-19...	29-Oct-19	01:47:16
12	191028K3_1	SOLVENT BLANK	29-Oct-19	02:57:38
13	191028K3_2	ST191028K3-1 PCB 209 CS3 19C1106	29-Oct-19	03:58:48

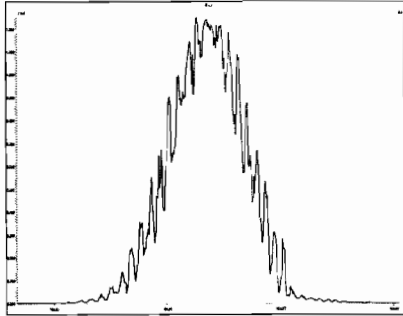
Experiment Calibration Report

MassLynx 4.1 SCN815

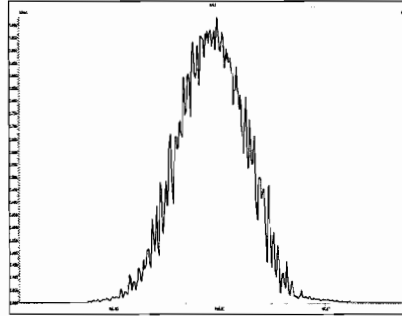
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Printed: Monday, October 28, 2019 15:25:54 Pacific Daylight Time

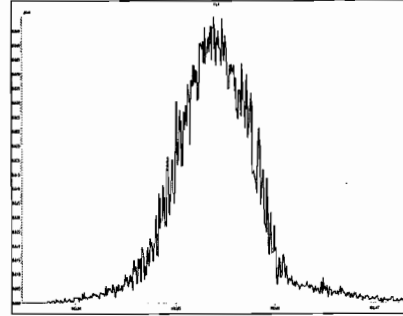
M 168.9888 R 12688



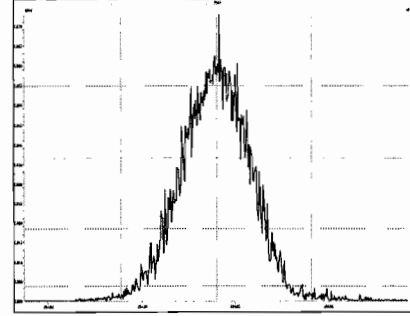
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M 204.9888 R 12627



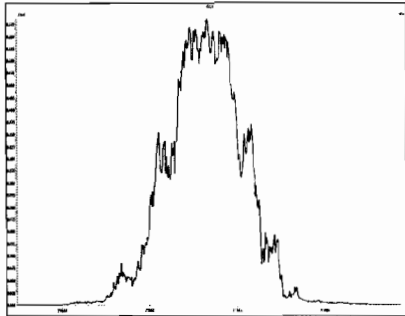
Experiment Calibration Report

MassLynx 4.1 SCN815

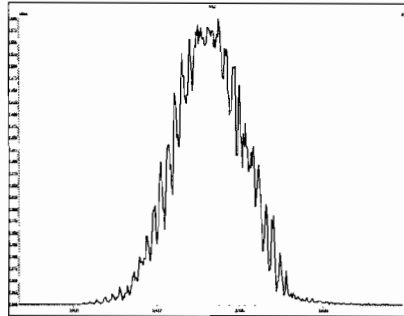
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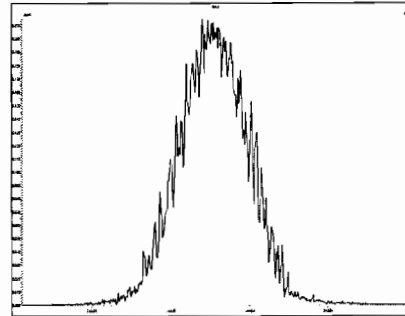
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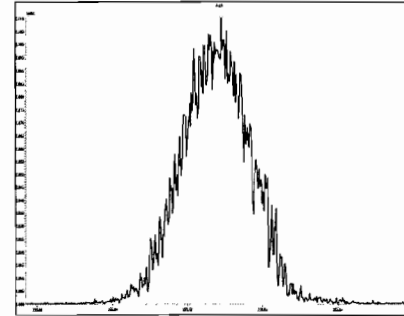
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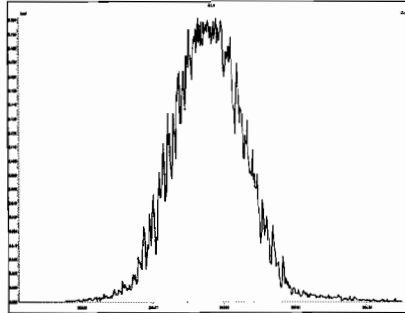
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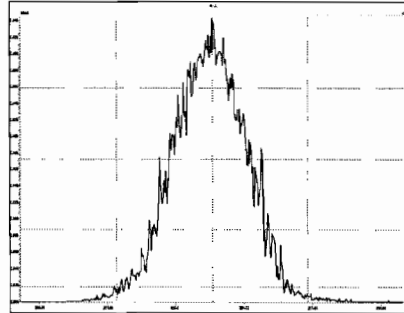
M 254.9856 R 13810



M 268.9824 R 12886



M 280.9824 R 12442



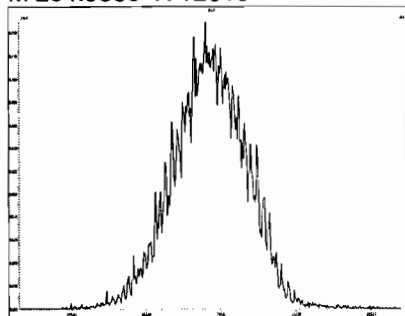
Experiment Calibration Report

MassLynx 4.1 SCN815

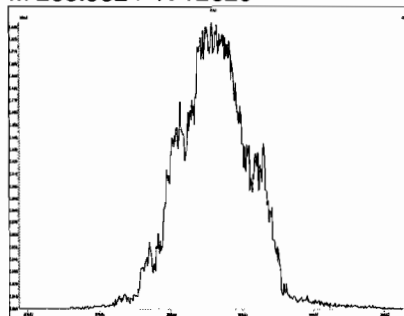
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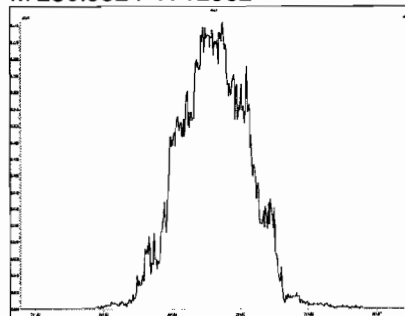
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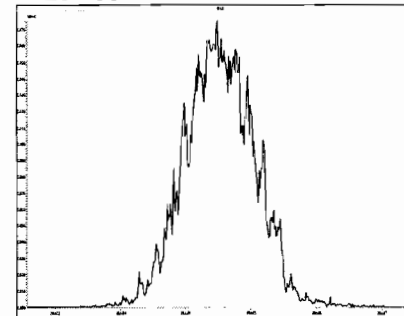
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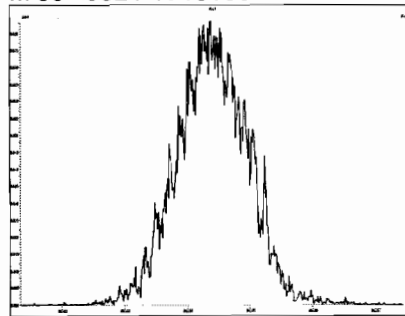
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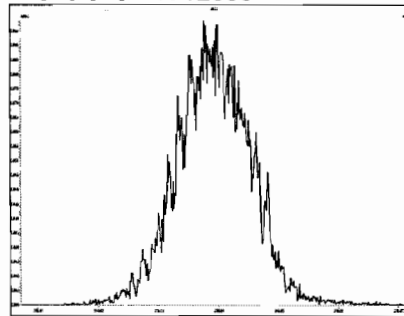
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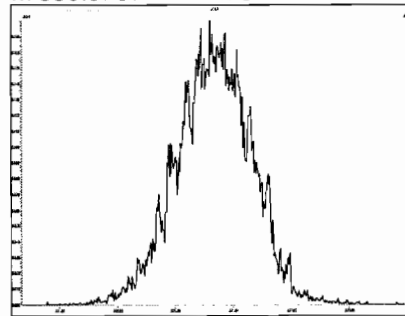
M 304.9824 R 13158



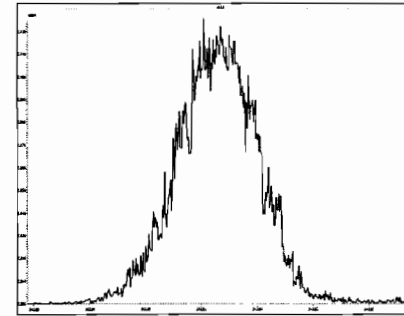
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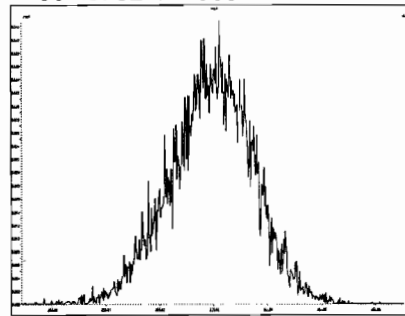
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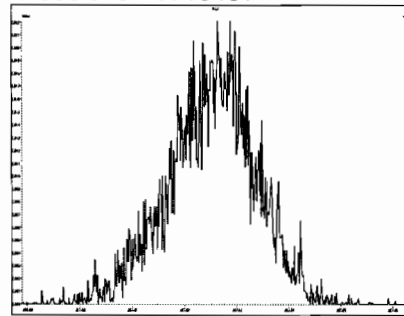
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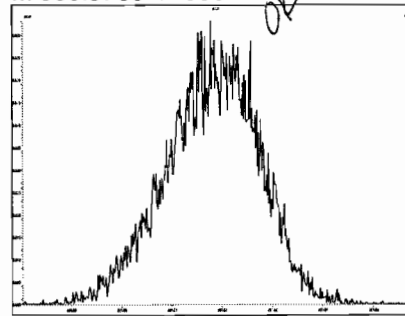
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M 366.9792 R 10461



M 380.9760 R 9881



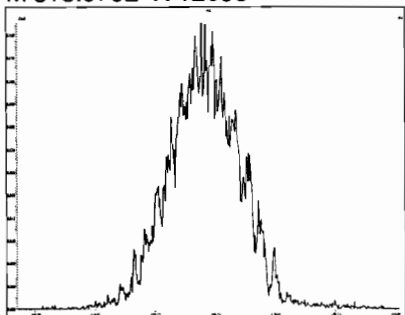
Experiment Calibration Report

MassLynx 4.1 SCN815

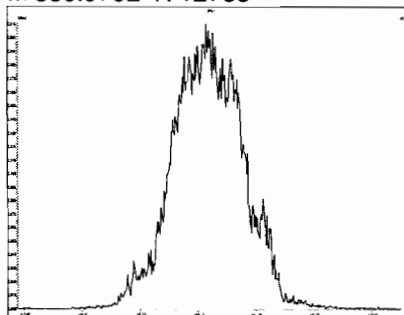
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Printed: Monday, October 28, 2019 15:29:01 Pacific Daylight Time

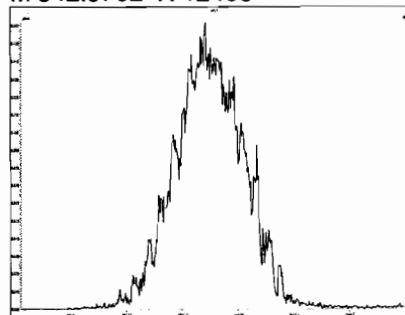
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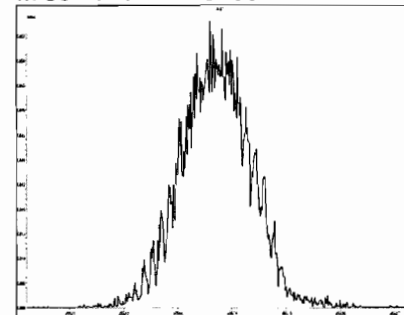
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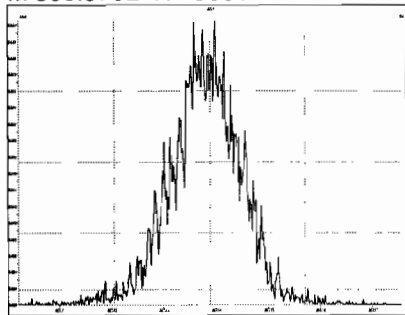
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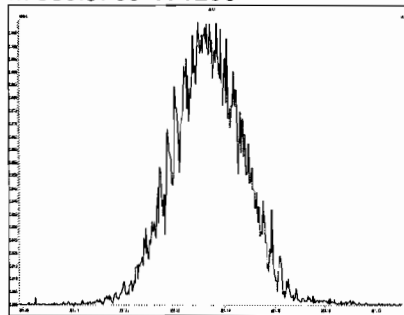
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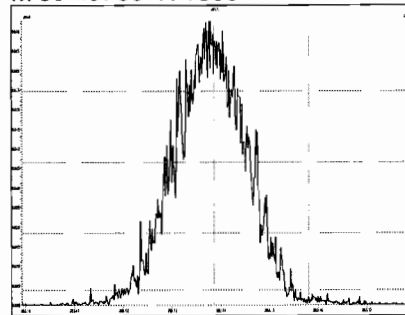
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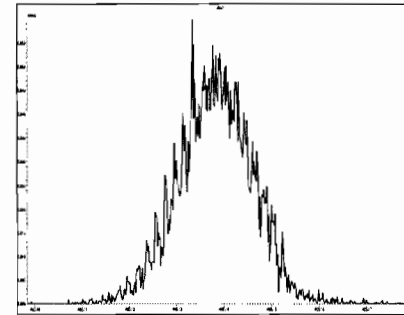
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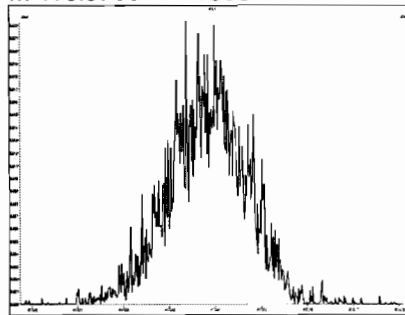
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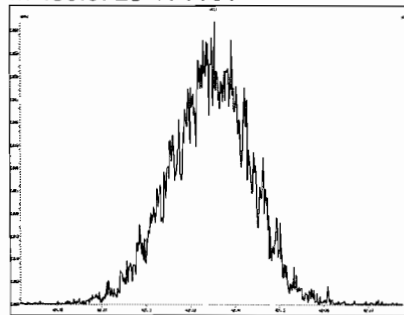
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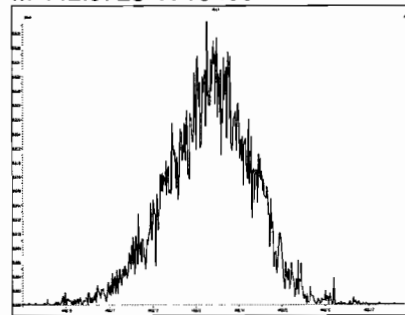
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M 430.9728 R 11314



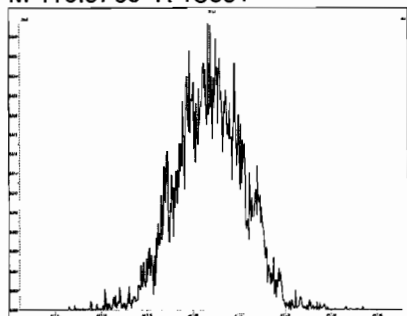
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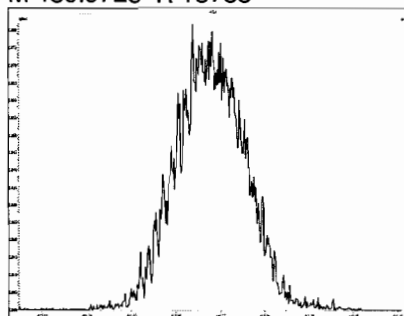
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Printed: Monday, October 28, 2019 15:29:44 Pacific Daylight Time

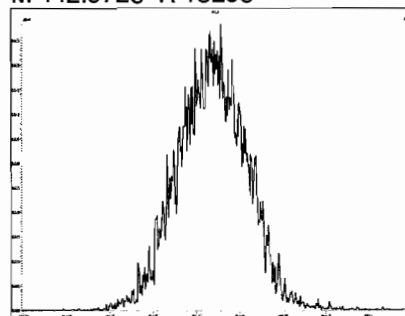
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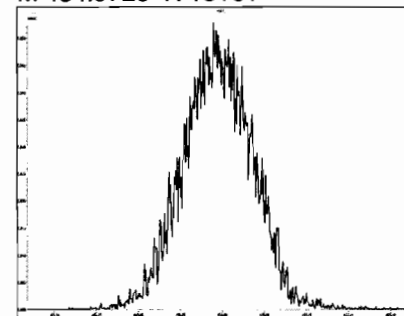
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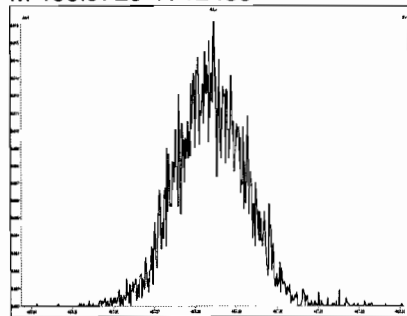
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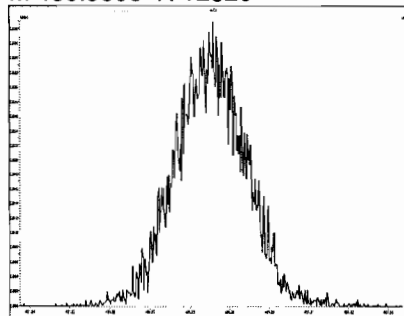
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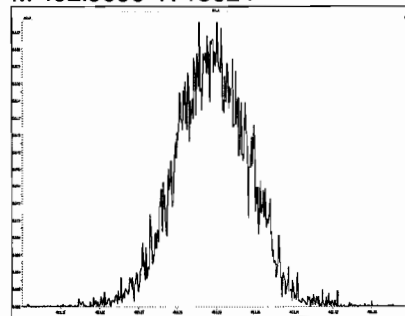
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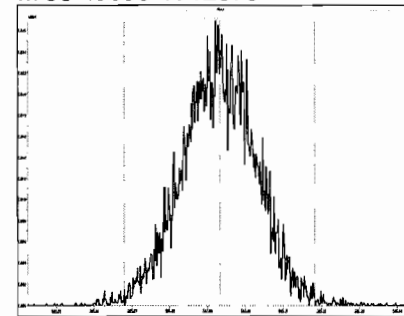
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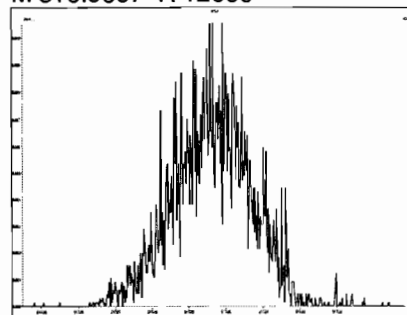
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M 516.9697 R 12690



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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

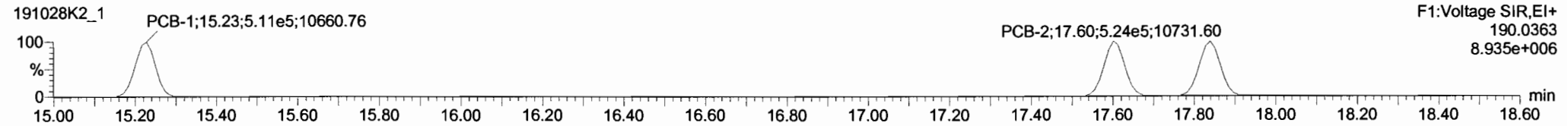
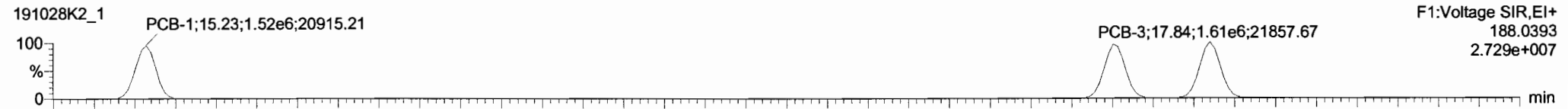
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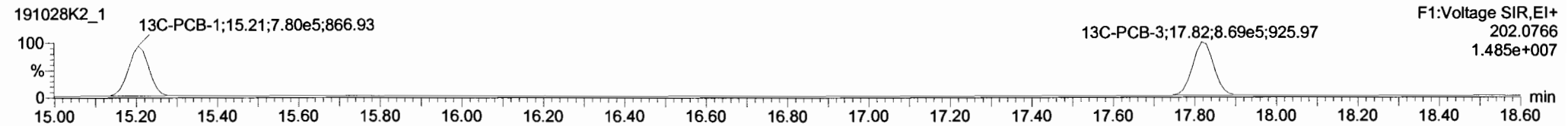
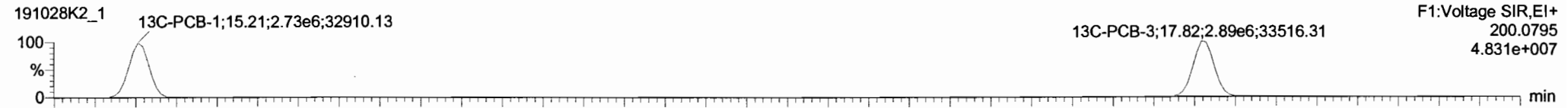
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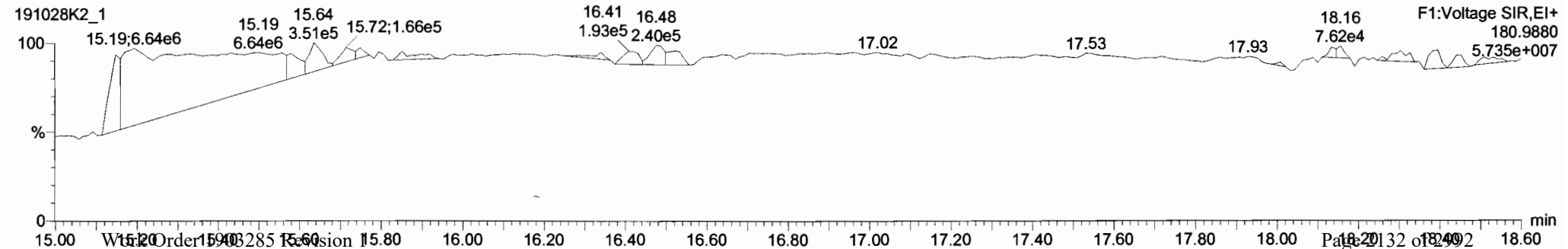
PCB-1



13C-PCB-1



PFK1



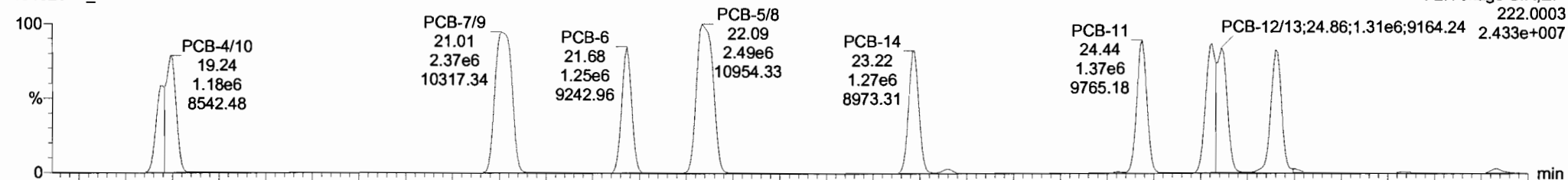
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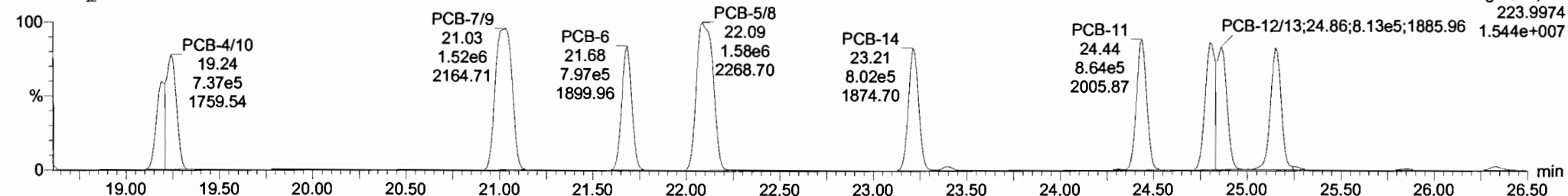
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PCB-4/10

191028K2_1

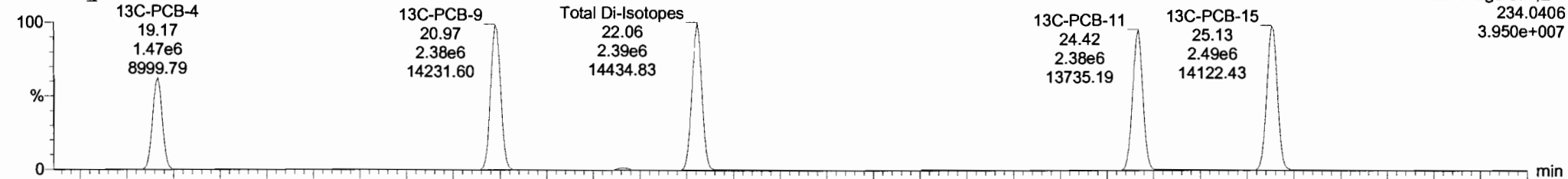


191028K2_1

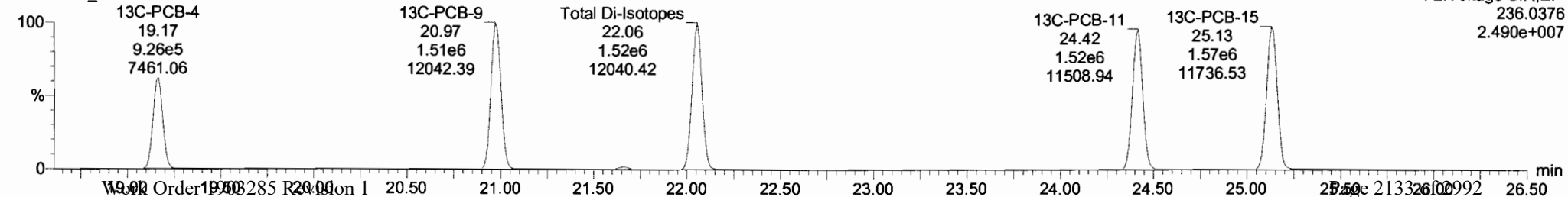


13C-PCB-4

191028K2_1

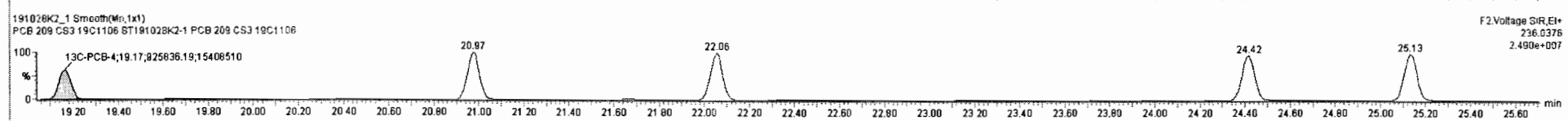
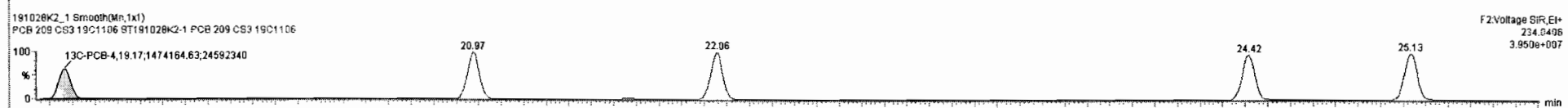
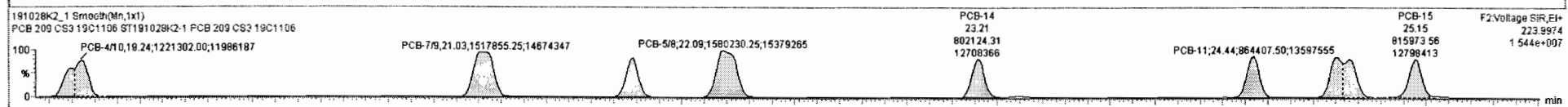
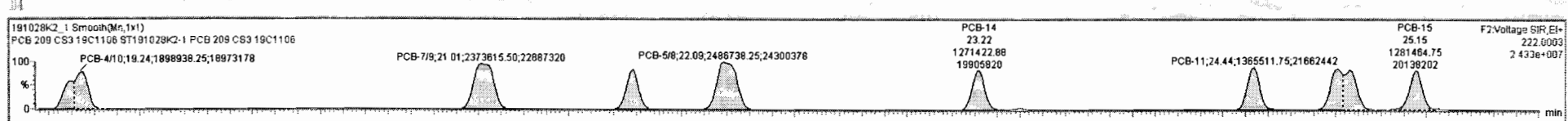


191028K2_1



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	13C-PCB-128	1.30e6	1.24	NO	1.0000	1.000	46.16	46.19	1.000	0.000	NO	100.0	100	0.0681	
218	13C-PCB-182	1.06e6	0.45	NO	1.0000	1.000	45.99	46.01	0.000	0.000	NO	100.0	100	0.0410	
219	13C-PCB-205	2.00e6	0.90	NO	1.0000	1.000	54.66	54.67	1.000	0.000	NO	100.0	100	0.0249	
220	13C-PCB-79	2.64e6	0.76	NO	1.0320	1.000	37.37	37.38	1.031	1.031	NO	101.4	101	0.0435	
221	13C-PCB-178	9.67e5	0.46	NO	0.8746	1.000	45.47	45.45	0.969	0.968	NO	85.27	85.3	0.0371	
222	13C-PCB-79	2.64e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	100.2	100	0.0426	
223	13C-PCB-178	9.67e5	0.46	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	94.25	94.3	0.0414	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	168.6		0.0196	168.6
225	225 Total Di-PCBs				1.0532	1.000	0.00		0.000		NO	617.5		0.232	617.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	436.3		0.0589	436.3
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	796.6		0.395	796.6

#	Name	Pred.RT	RT	mt Resp	nt Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
4	PCB-4/0	19.25	19.24	1.899e5	1.221e6	1.560	1.55	NO	101.94	101.94
5	PCB-7/9	21.03	21.01	2.374e6	1.519e6	1.560	1.56	NO	102.46	102.46
6	PCB-5/8	21.67	21.68	1.254e6	7.966e5	1.560	1.58	NO	51.827	51.827
7	PCB-5/8	22.07	22.09	2.487e6	1.580e6	1.560	1.57	NO	103.38	103.38
8	PCB-14	23.24	23.22	1.271e6	8.021e5	1.560	1.59	NO	51.443	51.443
9	PCB-11	24.44	24.44	1.366e6	8.644e5	1.560	1.58	NO	52.135	52.135
10	PCB-12/13	24.86	24.81	2.527e6	1.604e6	1.560	1.58	NO	102.06	102.06
11	PCB-15	25.16	25.15	1.281e6	8.160e5	1.560	1.57	NO	52.261	52.261



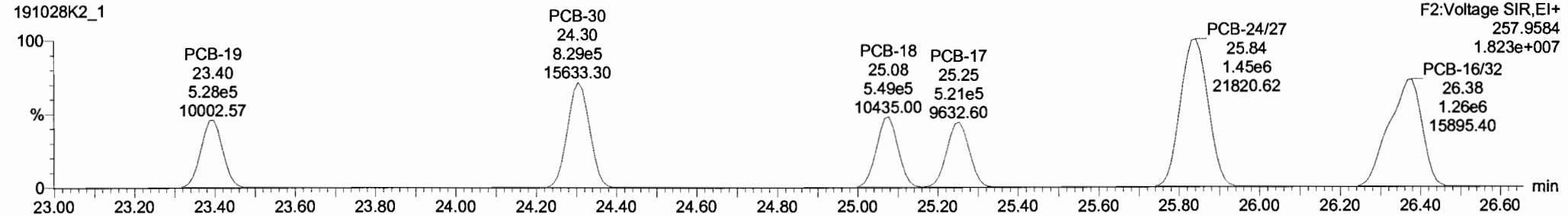
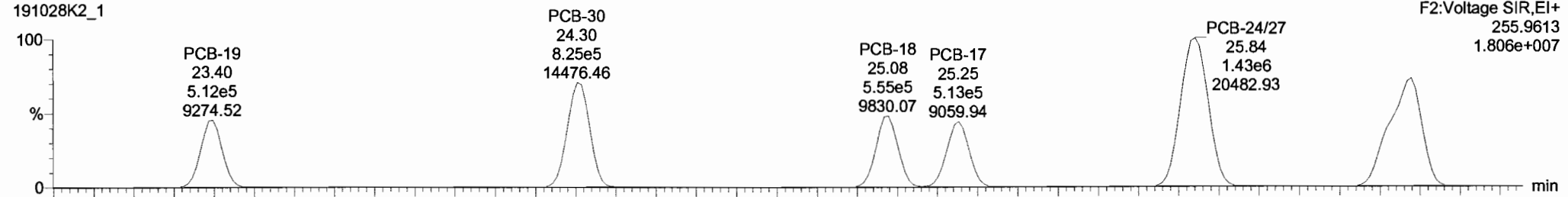
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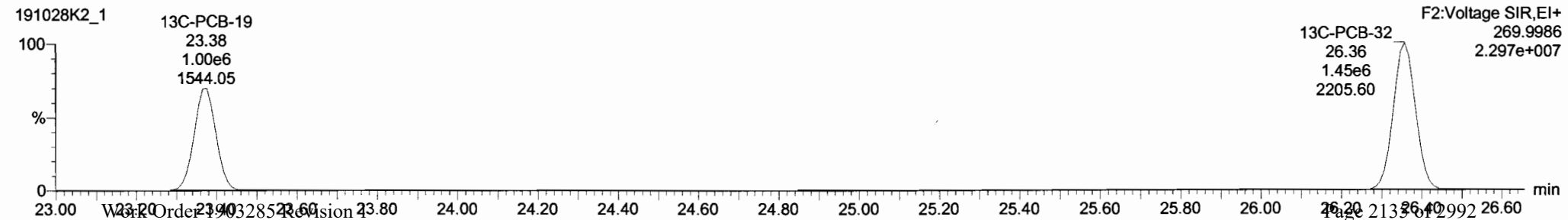
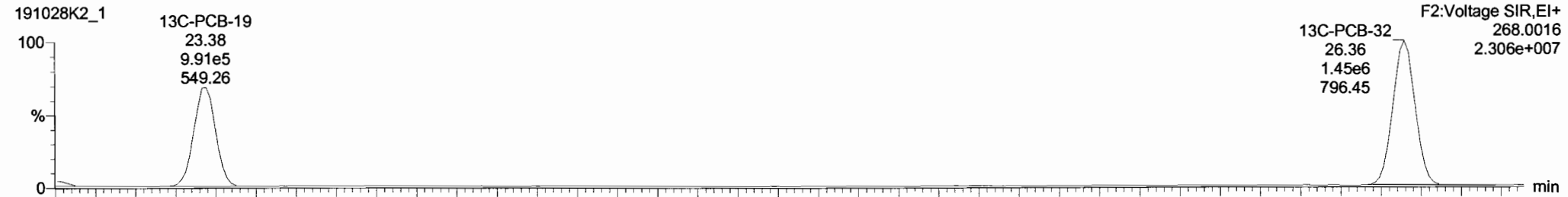
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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-19



13C-PCB-19



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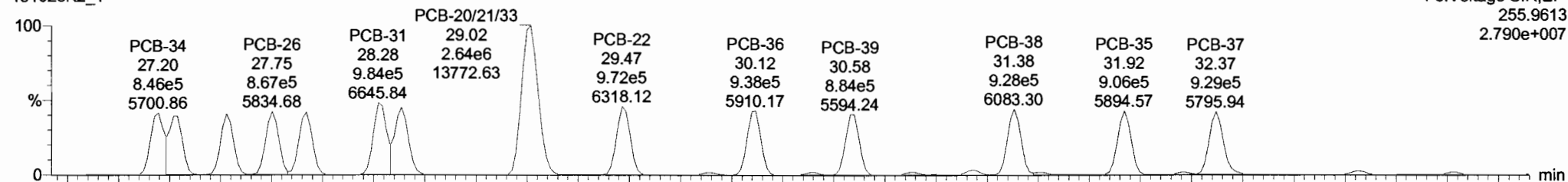
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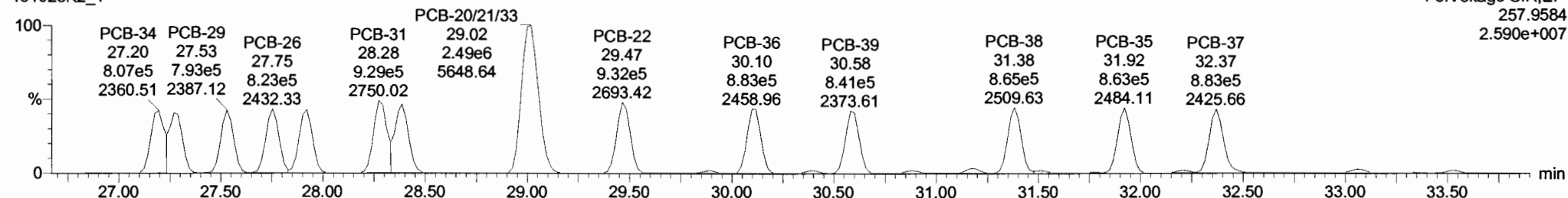
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PCB-34

191028K2_1

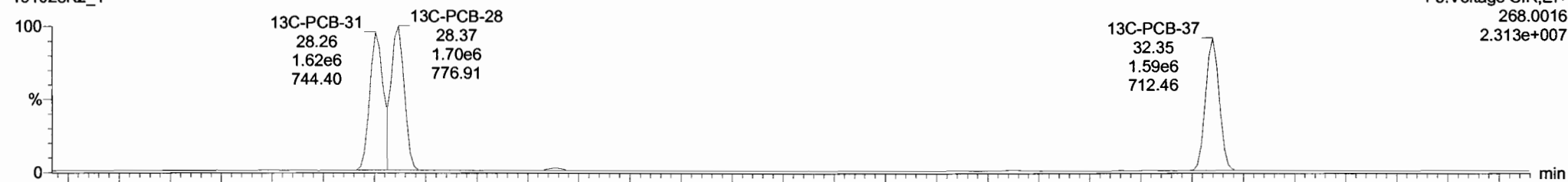


191028K2_1

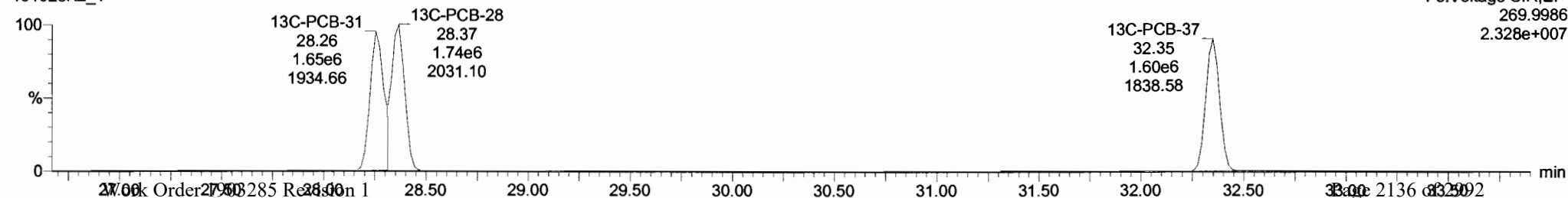


13C-PCB-28

191028K2_1

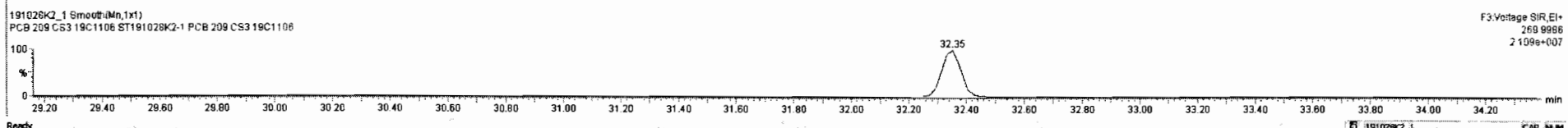
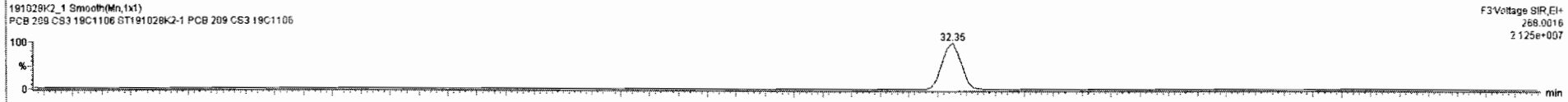
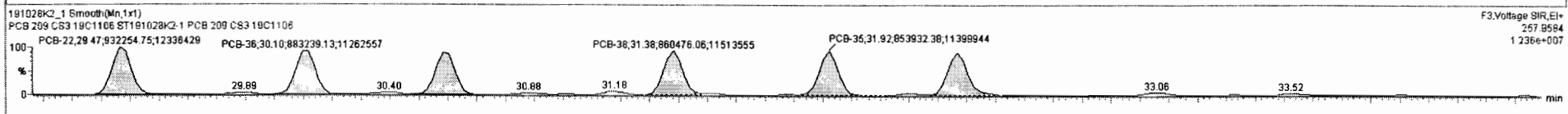
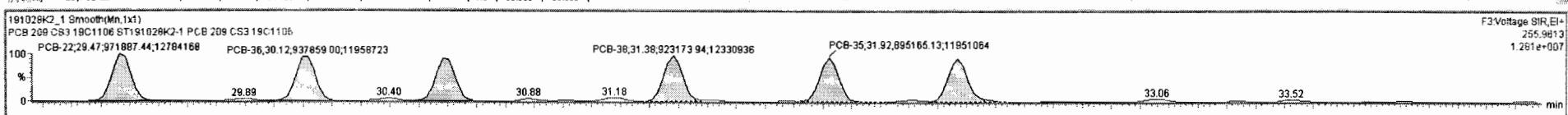


191028K2_1



#	Name	Resp	RA	n/y	RFF	wVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	13C-PCB-128	1.30e6	1.24	NO	1.0000	1.000	46.16	46.19	1.000	0.000	NO	100.0	100	0.0681	
218	13C-PCB-182	1.06e6	0.45	NO	1.0000	1.000	45.99	46.01	0.000	0.000	NO	100.0	100	0.0410	
219	13C-PCB-205	2.00e6	0.90	NO	1.0000	1.000	54.66	54.67	1.000	0.000	NO	100.0	100	0.0249	
220	13C-PCB-78	2.64e6	0.76	NO	1.0320	1.000	37.37	37.38	1.031	1.031	NO	101.4	101	0.0435	
221	13C-PCB-178	9.67e5	0.46	NO	0.8746	1.000	45.47	45.45	0.988	0.988	NO	85.27	85.3	0.0371	
222	13C-PCB-79	2.64e6	0.76	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	100.2	100	0.0426	
223	13C-PCB-178	9.67e5	0.46	NO	0.9749	1.000	45.51	45.45	0.924	0.922	NO	94.25	94.3	0.0414	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	168.6		0.0198	168.6
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	617.5		0.232	617.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	436.3		0.0589	436.3
227	227 3rd Function Tri-PCBs				1.0583	1.000	0.00		0.000		NO	736.6		0.395	736.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.20	27.20	8.456e5	8.089e5	1.040	1.05	NO	48.716	48.716
2	19 PCB-23	27.30	27.29	8.469e5	7.965e5	1.040	1.06	NO	49.118	49.118
3	20 PCB-29	27.56	27.53	8.224e5	7.929e5	1.040	1.04	NO	49.316	49.316
4	21 PCB-26	27.77	27.75	8.666e5	8.234e5	1.040	1.05	NO	49.145	49.145
5	22 PCB-25	27.92	27.92	8.787e5	8.351e5	1.040	1.05	NO	50.952	50.952
6	23 PCB-31	28.30	28.27	9.838e5	9.295e5	1.040	1.06	NO	49.585	49.585
7	24 PCB-28	28.39	28.39	9.776e5	9.271e5	1.040	1.05	NO	50.135	50.135
8	25 PCB-20/21/33	29.02	29.02	2.641e6	2.489e6	1.040	1.06	NO	148.83	148.83
9	26 PCB-22	29.49	29.47	9.719e5	9.323e5	1.040	1.04	NO	53.660	53.660



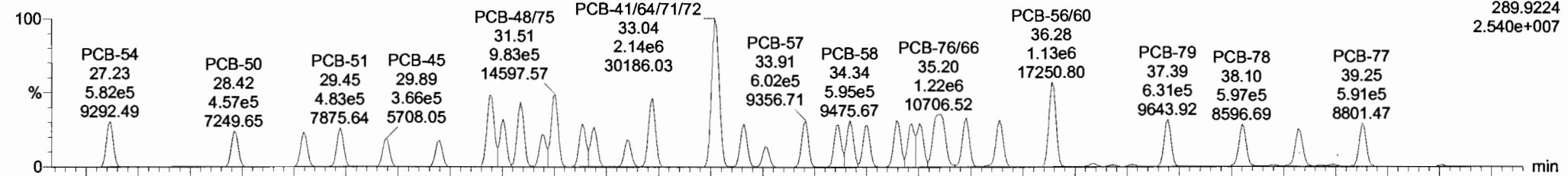
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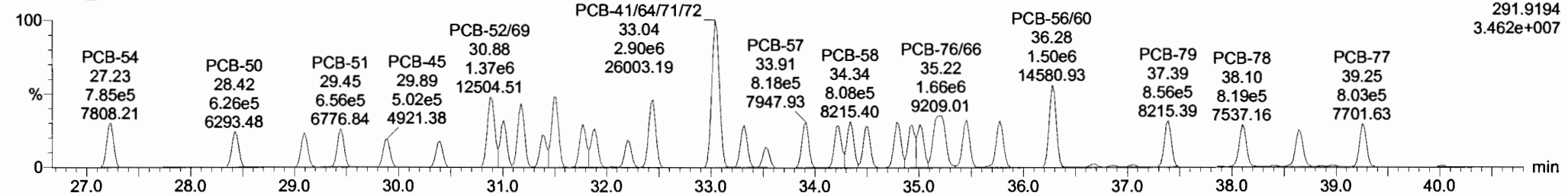
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PCB-54

191028K2_1

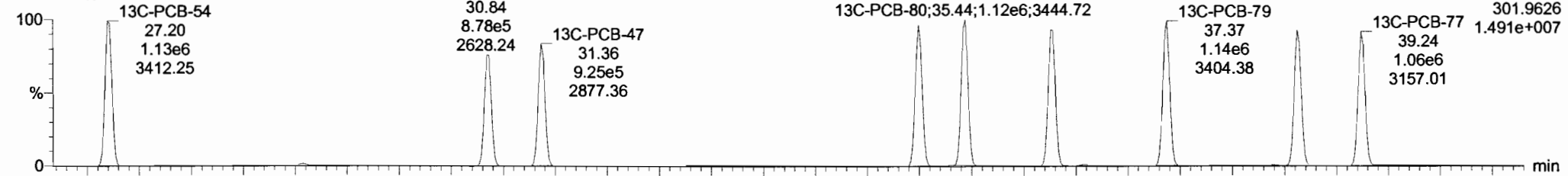


191028K2_1

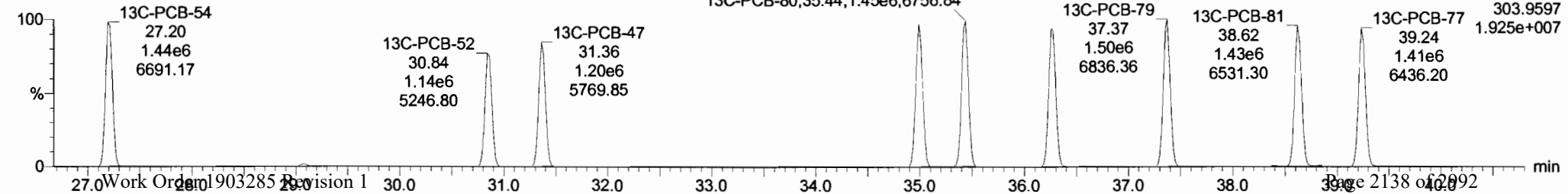


13C-PCB-54

191028K2_1



191028K2_1



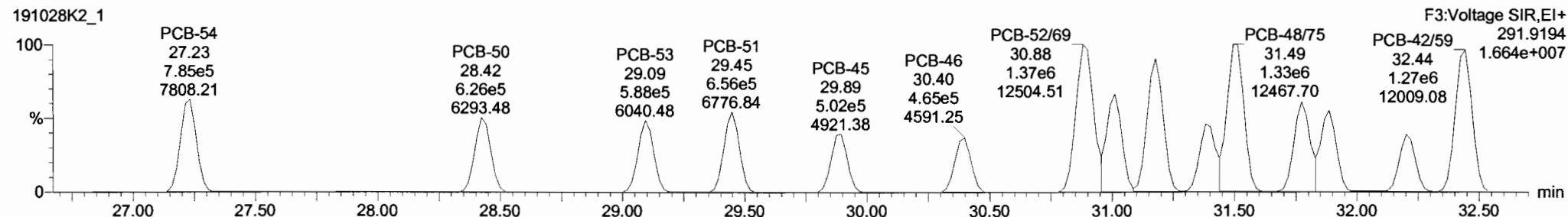
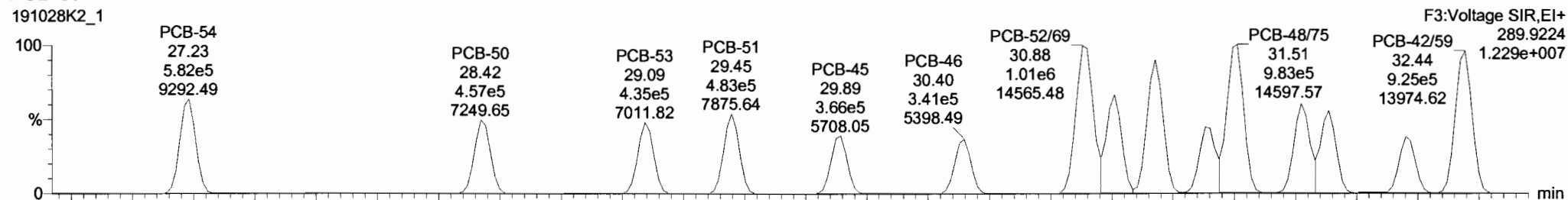
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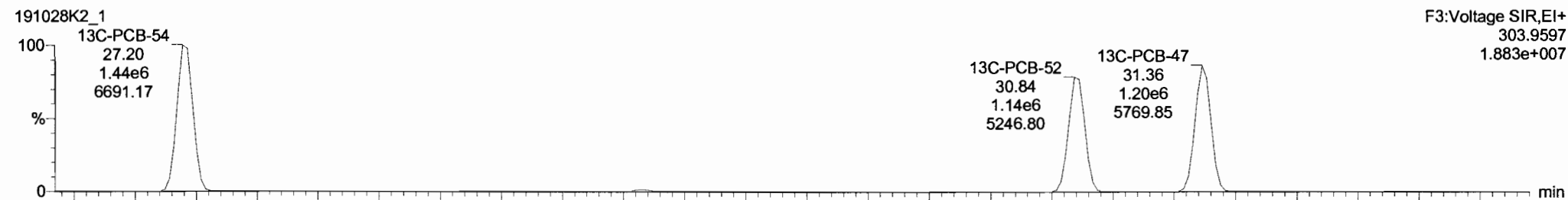
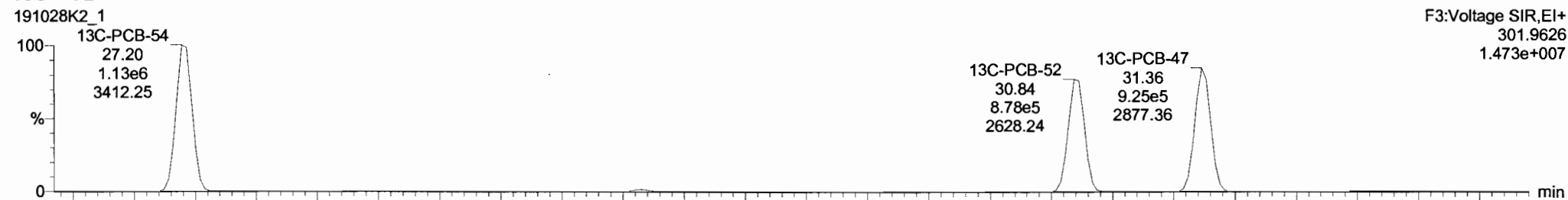
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PCB-50



13C-PCB-52



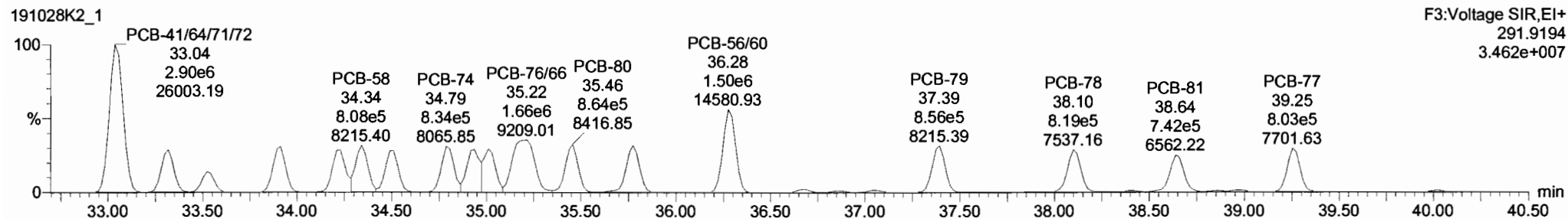
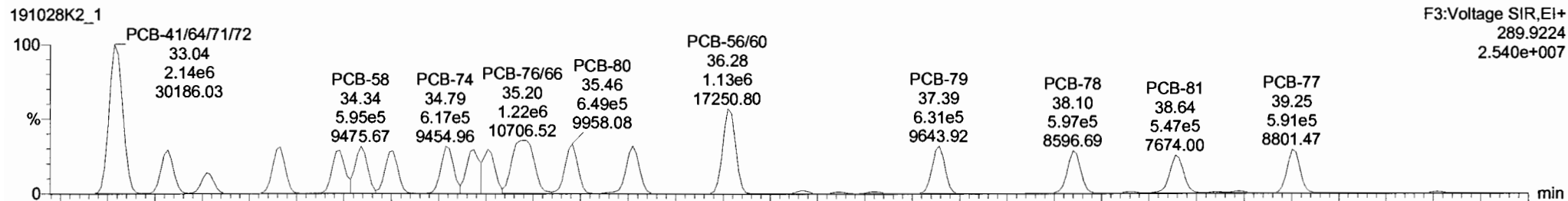
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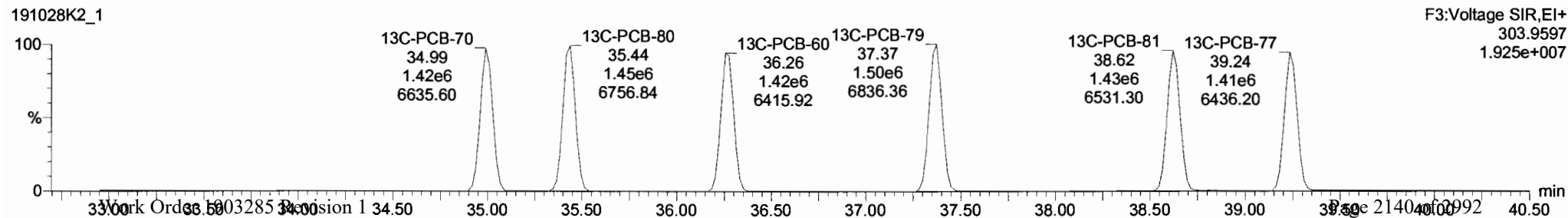
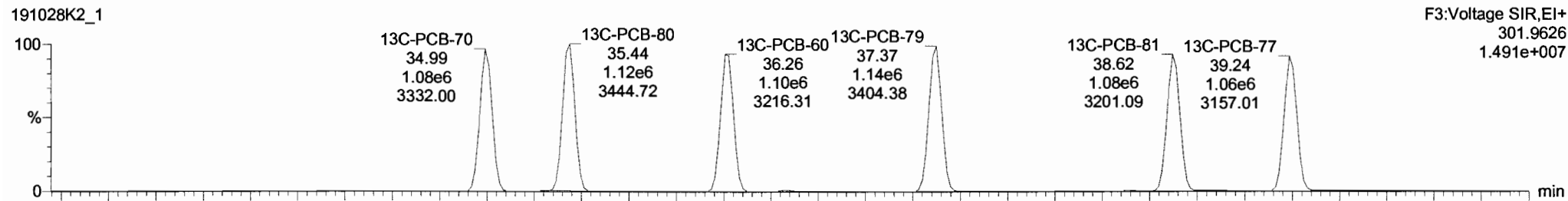
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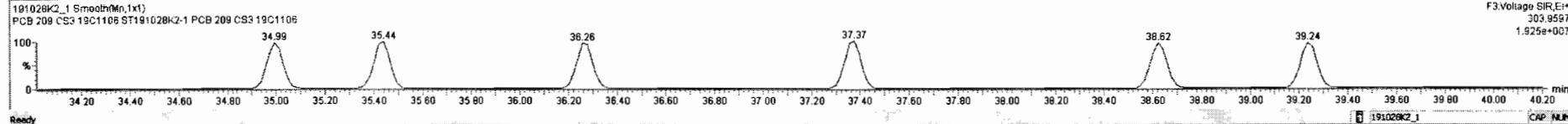
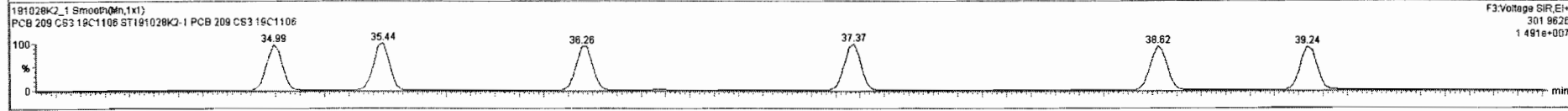
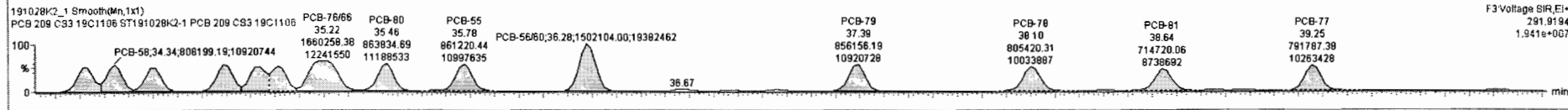
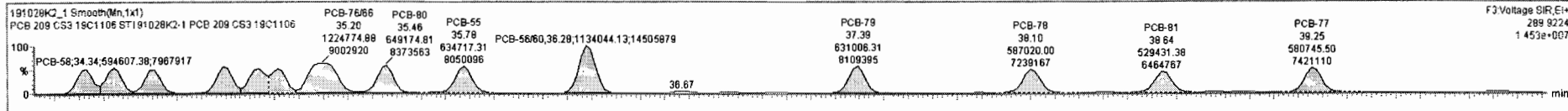


13C-PCB-60



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.8881	1.000	0.00	0.000			NO	2260		0.482	2260
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	2154		0.419	2154
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	259.8		0.126	259.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	782.5		0.106	782.5
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000			NO	1469		0.647	1469
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.000			NO	1217		0.599	1217
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.000			NO	497.7		0.0963	497.7
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00	0.000			NO	156.2		0.0467	156.2
236	236 Total Nona-PCBs				0.9446	1.000	0.00	0.000			NO	156.0		0.0635	156.0
237	237 Deca-CB				0.9426	1.000	0.00	0.000			NO	51.85		0.00234	51.85
238	238 Total PCBs														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.22	27.23	5.820e5	7.851e5	0.770	0.74	NO	53.589	53.589
33	PCB-50	28.42	28.42	4.569e5	6.261e5	0.770	0.73	NO	54.084	54.084
34	PCB-53	29.10	29.09	4.349e5	5.895e5	0.770	0.74	NO	53.128	53.128
35	PCB-51	29.44	29.45	4.826e5	6.562e5	0.770	0.74	NO	55.160	55.160
36	PCB-45	29.87	29.88	3.662e5	5.023e5	0.770	0.73	NO	53.293	53.293
37	PCB-46	30.38	30.40	3.413e5	4.655e5	0.770	0.73	NO	53.084	53.084
38	PCB-5269	30.88	30.88	1.006e6	1.374e6	0.770	0.73	NO	108.15	108.15
39	PCB-73	31.00	31.01	5.973e5	8.042e5	0.770	0.74	NO	53.893	53.893
40	PCB-4349	31.16	31.16	8.427e5	1.148e6	0.770	0.73	NO	104.99	104.99



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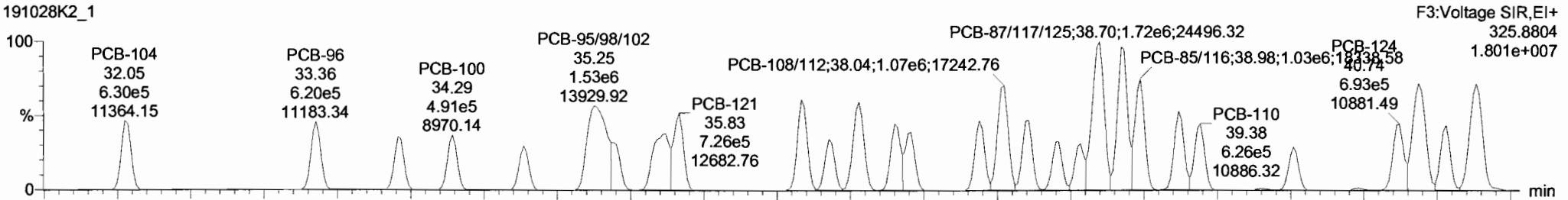
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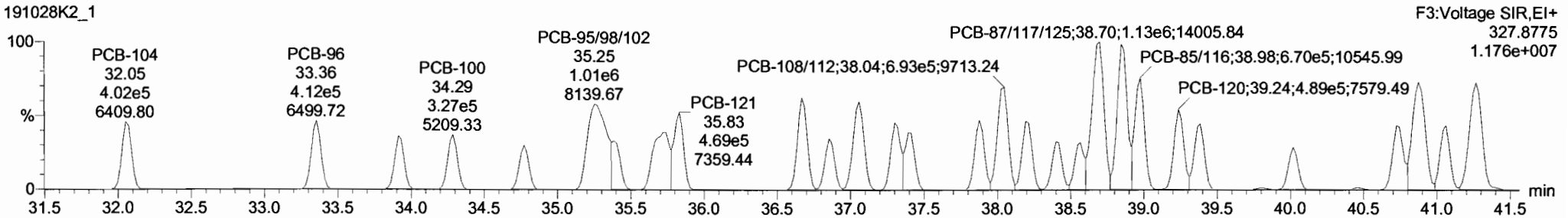
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PCB-104

191028K2_1

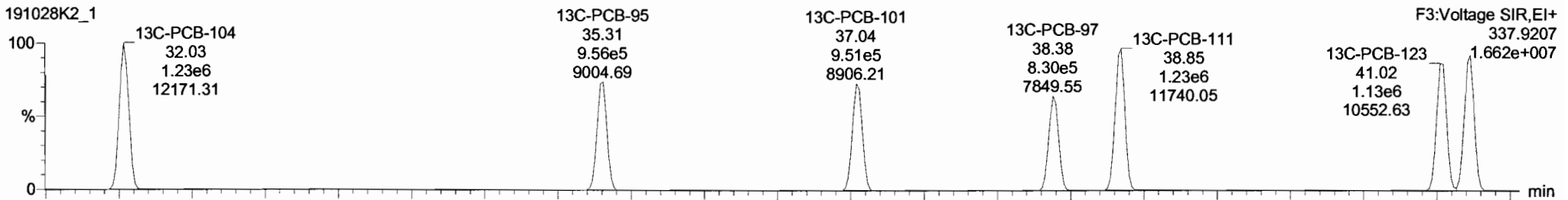


191028K2_1

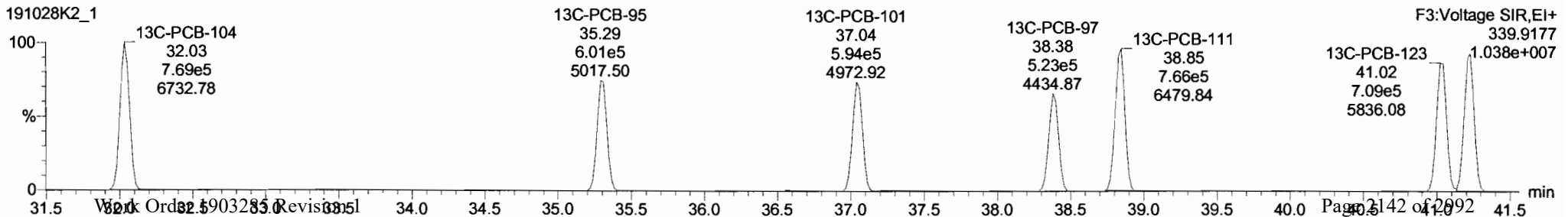


13C-PCB-104

191028K2_1



191028K2_1



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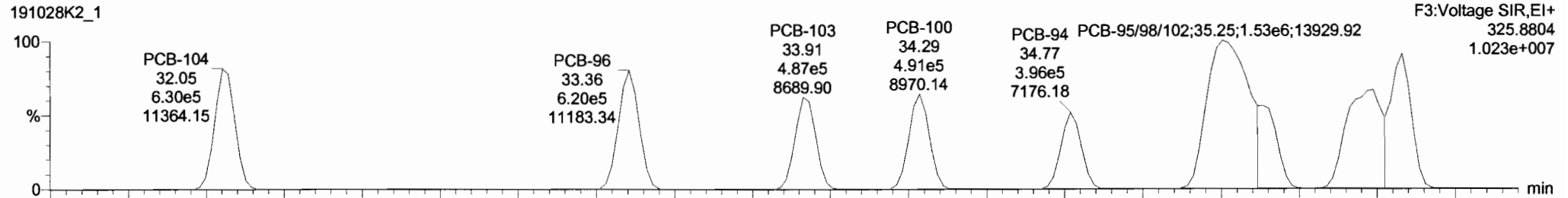
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

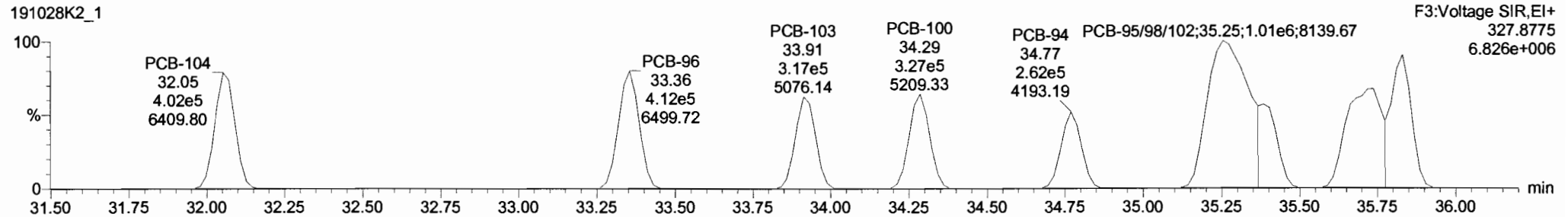
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PCB-96

191028K2_1

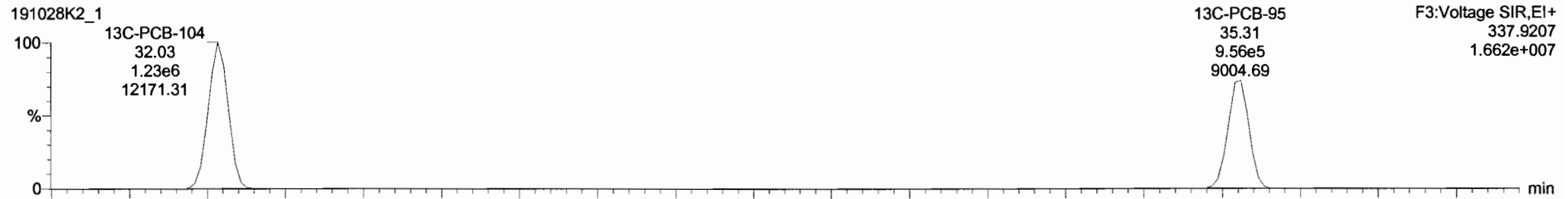


191028K2_1

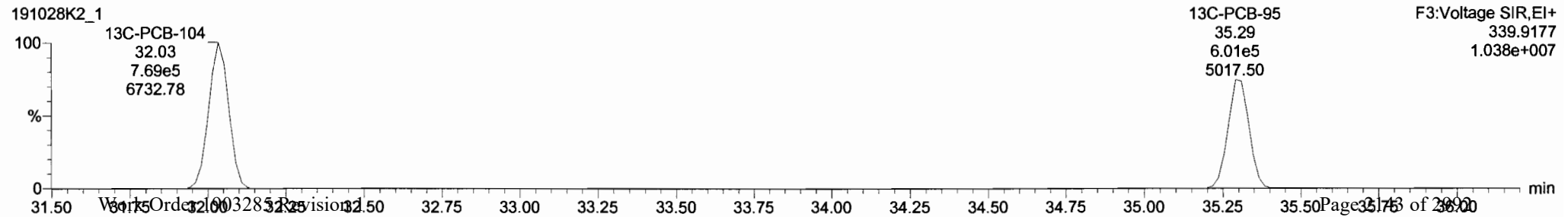


13C-PCB-95

191028K2_1



191028K2_1



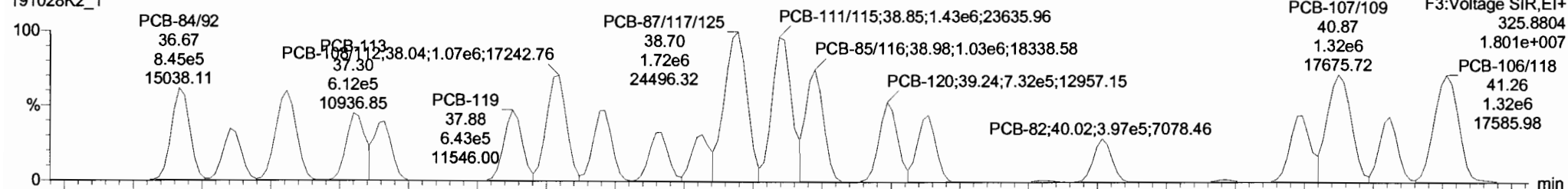
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Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time
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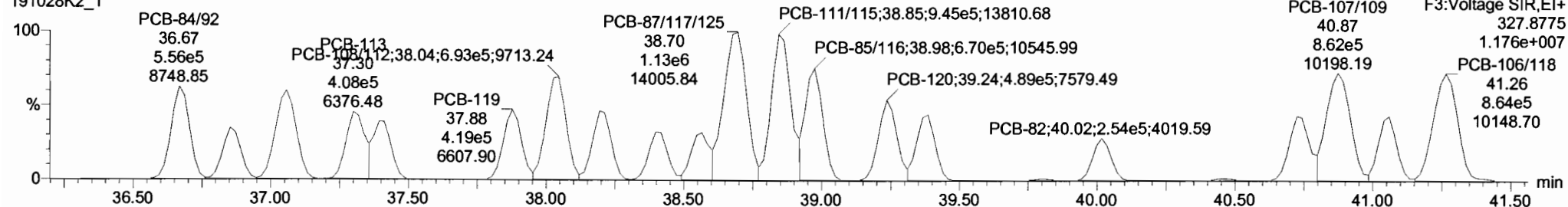
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PCB-119

191028K2_1

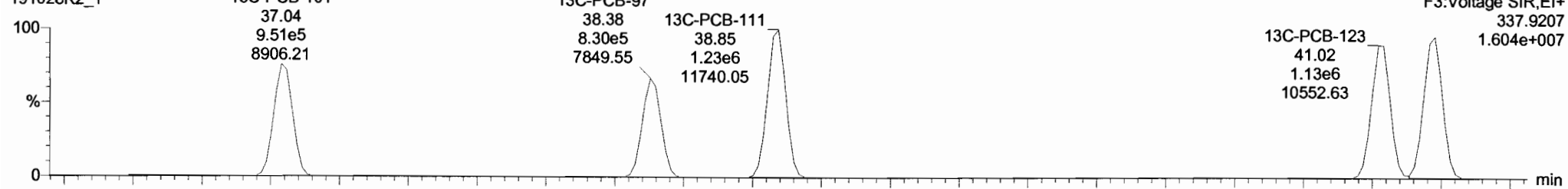


191028K2_1

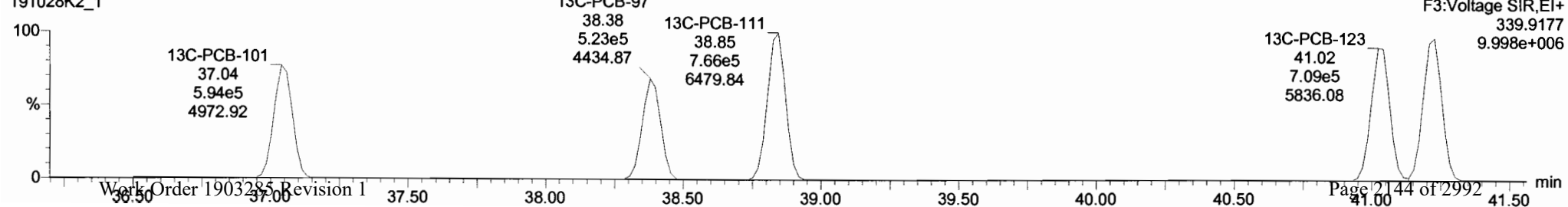


13C-PCB-111

191028K2_1



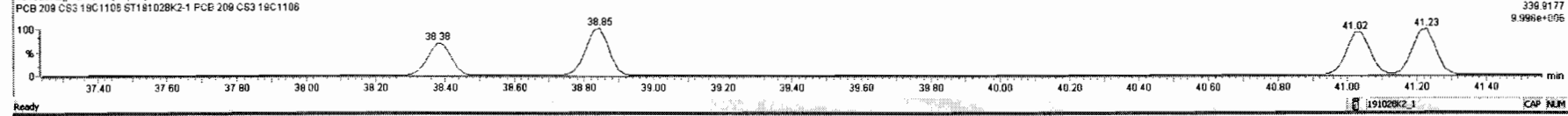
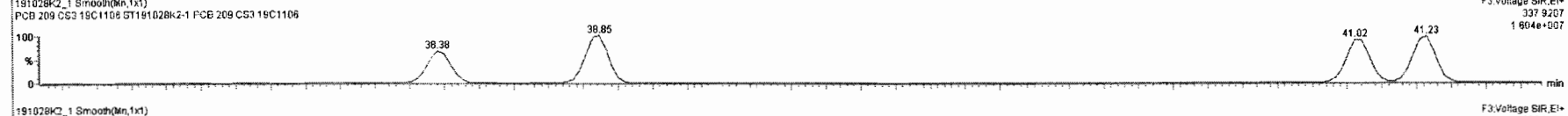
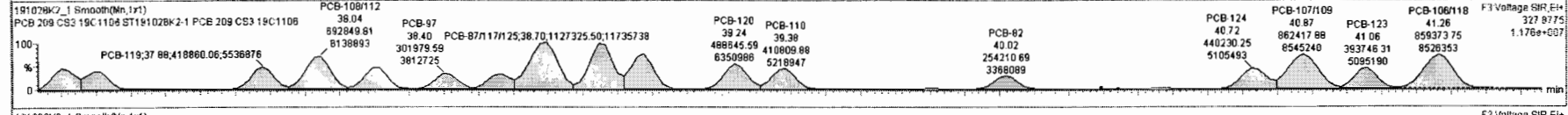
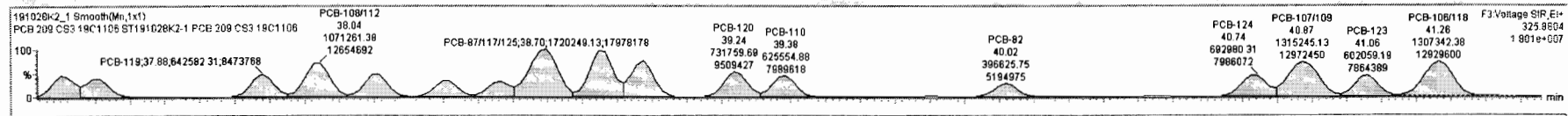
191028K2_1



191028K2_1 - ST191028K2-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	nY	RRT	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2260	0.482	2260	
228	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2154	0.419	2154	
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	259.8	0.126	259.8	
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	782.5	0.106	782.5	
232	4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1489	0.647	1489	
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1217	0.599	1217	
234	4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	497.7	0.0963	497.7	
235	5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	156.2	0.0487	156.2	
236	Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	156.0	0.0835	156.0	
237	Deca-CB				0.9426	1.000	0.00		0.000		NO	51.85	0.00234	51.85	
238	Total PCBs														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nY	EMPC	Conc.
1	64 PCB-104	32.05	32.05	6.296e5	4.023e5	1.580	1.57	NO	51.911	51.911
2	65 PCB-98	33.35	33.35	6.204e5	4.121e5	1.580	1.51	NO	51.881	51.881
3	66 PCB-103	33.92	33.91	4.868e5	3.165e5	1.560	1.54	NO	51.911	51.911
4	67 PCB-100	34.26	34.28	4.914e5	3.271e5	1.560	1.50	NO	52.661	52.661
5	68 PCB-94	34.80	34.77	3.962e5	2.816e5	1.550	1.51	NO	54.606	54.606
6	69 PCB-95/98/102	35.26	35.25	1.535e6	1.005e6	1.550	1.53	NO	160.71	160.70
7	70 PCB-93	35.39	35.38	3.972e5	2.814e5	1.560	1.52	NO	50.273	50.273
8	71 PCB-88/91	35.73	35.74	8.715e5	5.896e5	1.560	1.48	NO	105.46	105.46
9	72 PCB-121	35.85	35.83	7.257e5	4.895e5	1.560	1.55	NO	55.369	55.369



Dataset: Untitled

Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

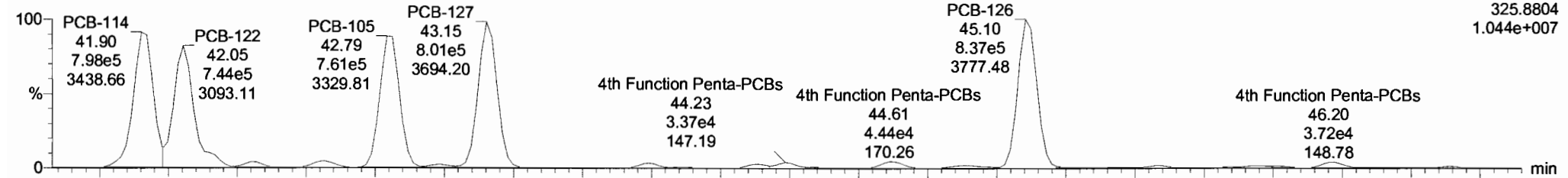
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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-114

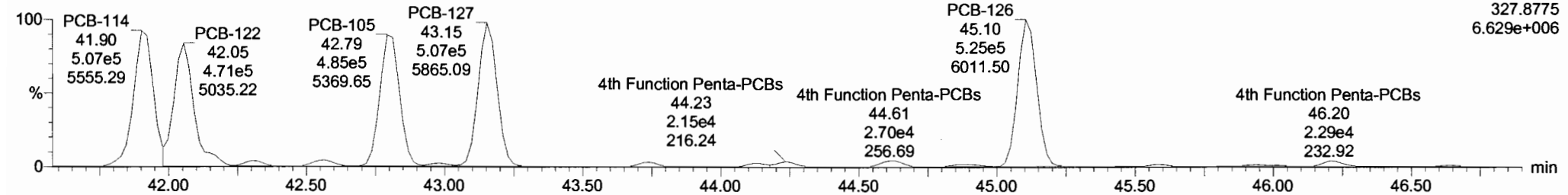
191028K2_1

F4:Voltage SIR,EI+
325.8804
1.044e+007



191028K2_1

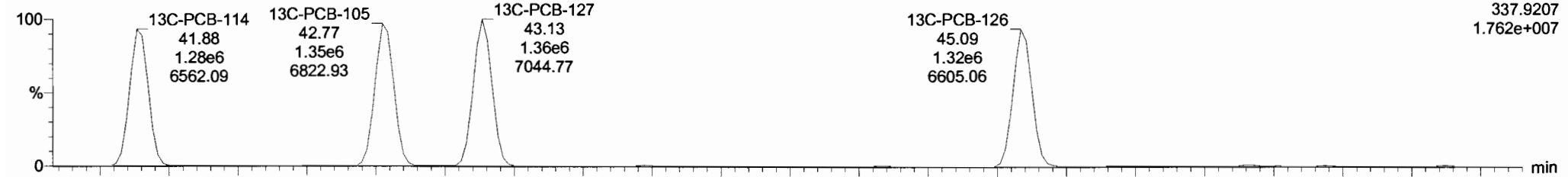
F4:Voltage SIR,EI+
327.8775
6.629e+006



13C-PCB-114

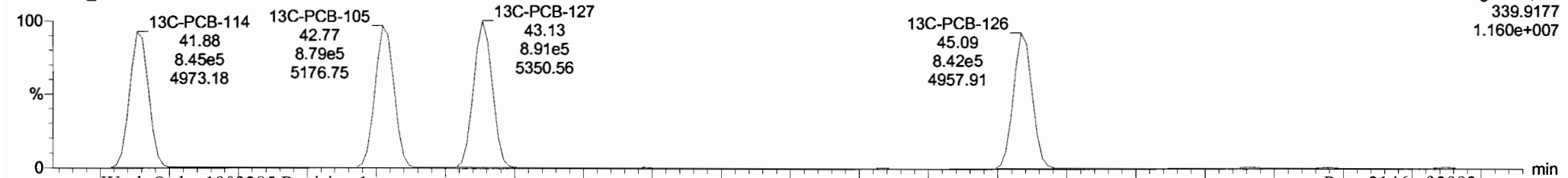
191028K2_1

F4:Voltage SIR,EI+
337.9207
1.762e+007



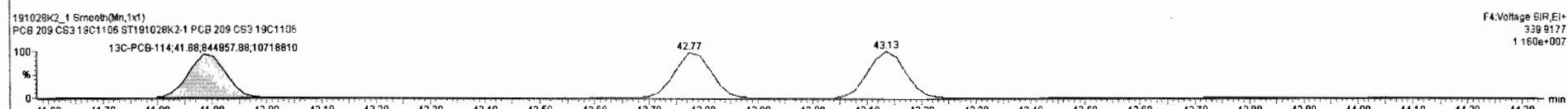
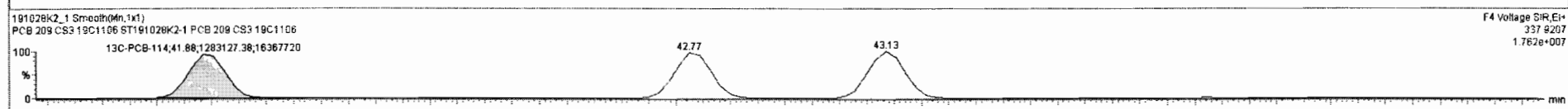
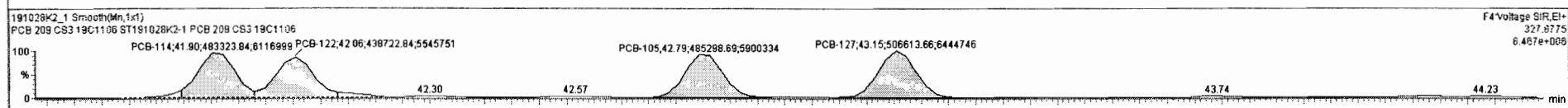
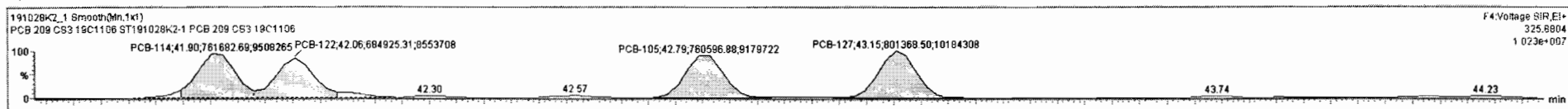
191028K2_1

F4:Voltage SIR,EI+
339.9177
1.160e+007



#	Name	Resp	RA	rly	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DC	EMPC
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2260		0.462	2260
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2154		0.419	2154
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	259.8		0.128	259.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	782.5		0.106	782.5
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1469		0.647	1469
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1217		0.599	1217
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	497.7		0.0963	497.7
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	156.2		0.0467	156.2
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	156.0		0.0835	156.0
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	51.85		0.00234	51.85
238	238 Total PCBs														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rly	EMPC	Conc.
1	93 PCB-114	41.90	41.90	7.517e5	4.833e5	1.560	1.58	NO	50.365	50.365
2	94 PCB-122	42.03	42.06	6.849e5	4.387e5	1.560	1.56	NO	54.290	54.290
3	95 PCB-105	42.79	42.79	7.606e5	4.853e5	1.550	1.57	NO	50.791	50.791
4	96 PCB-127	43.15	43.15	8.014e5	5.066e5	1.560	1.58	NO	52.355	52.355
5	97 PCB-126	45.10	45.10	6.368e5	5.254e5	1.560	1.59	NO	52.001	52.001



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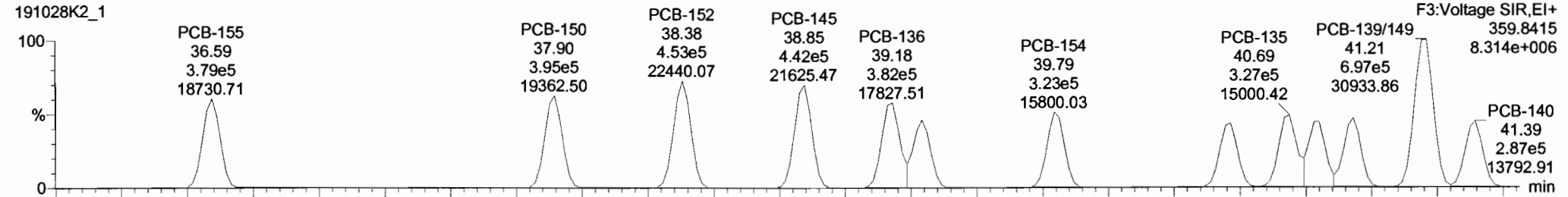
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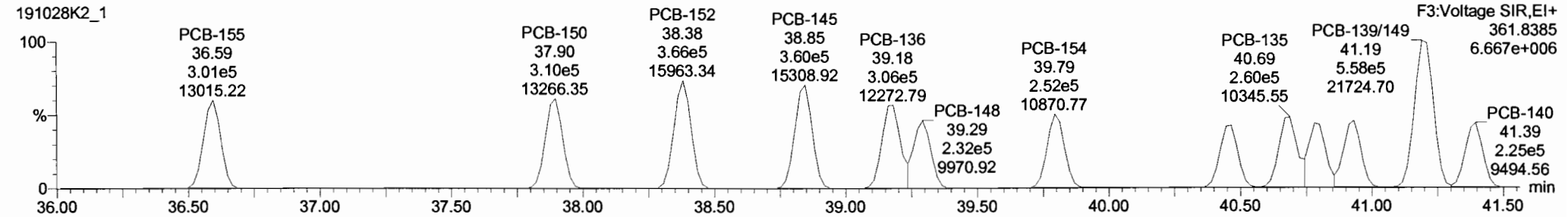
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PCB-155

191028K2_1

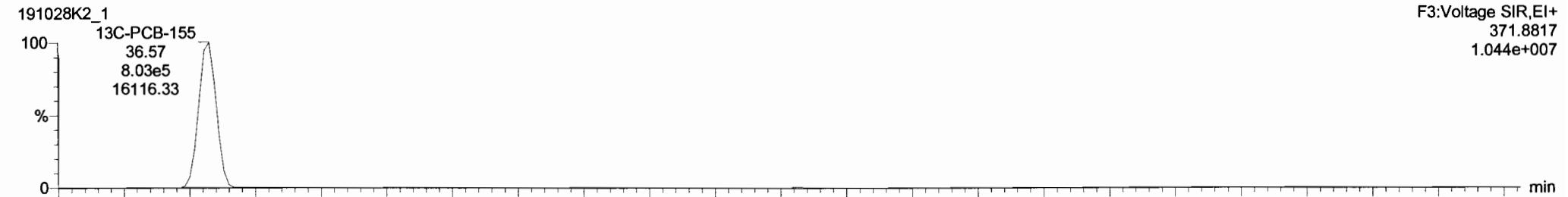


191028K2_1

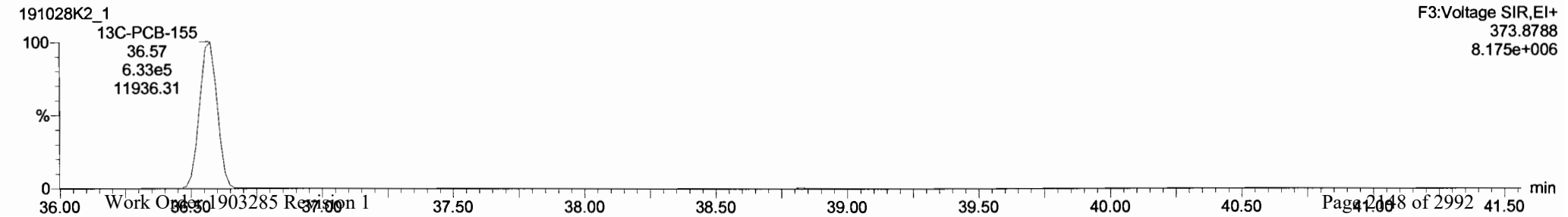


13C-PCB-155

191028K2_1



191028K2_1



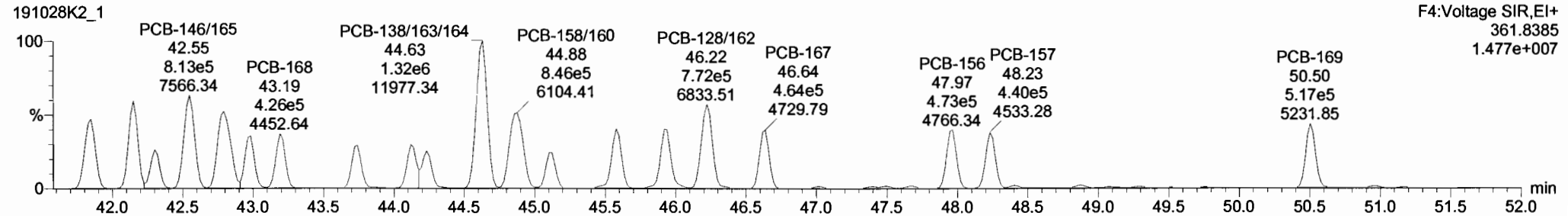
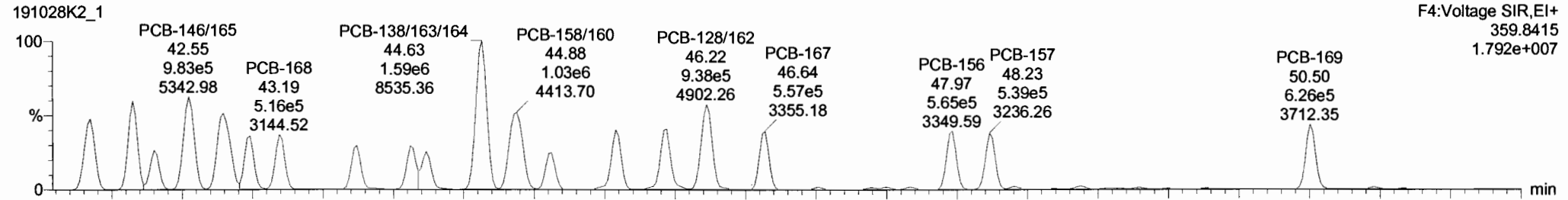
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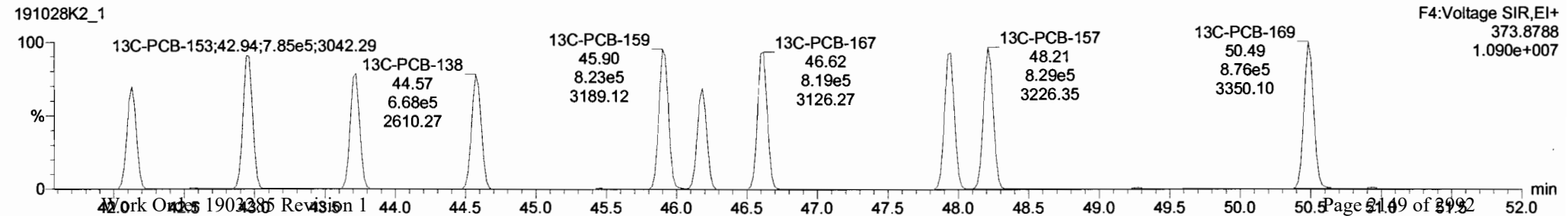
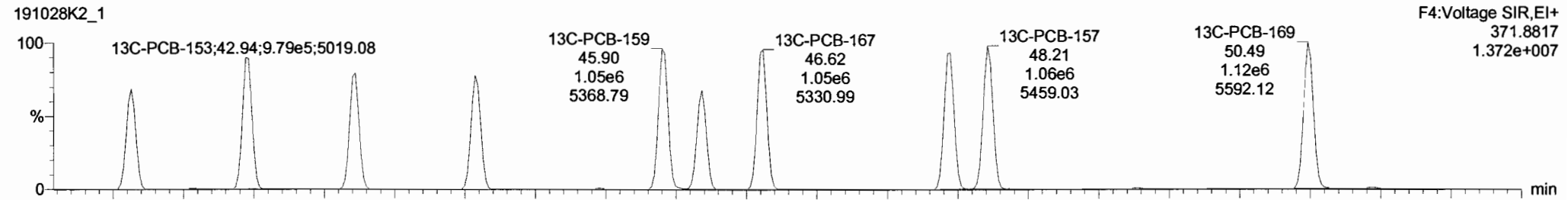
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PCB-134/143

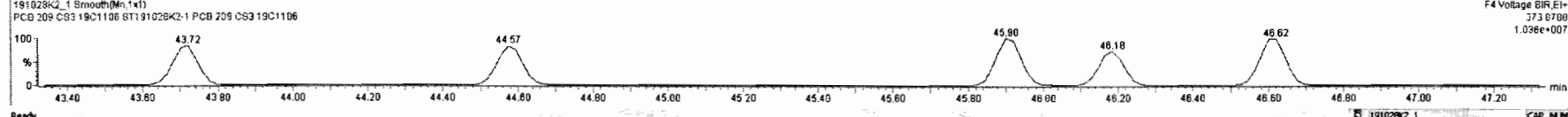
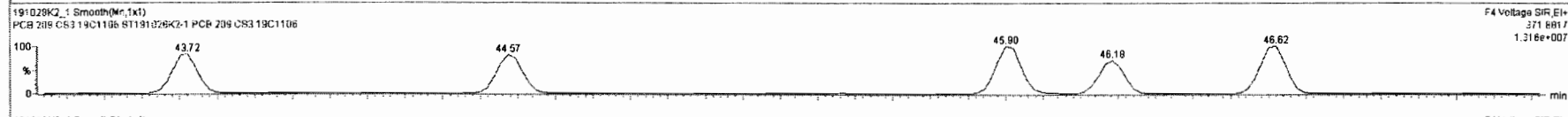
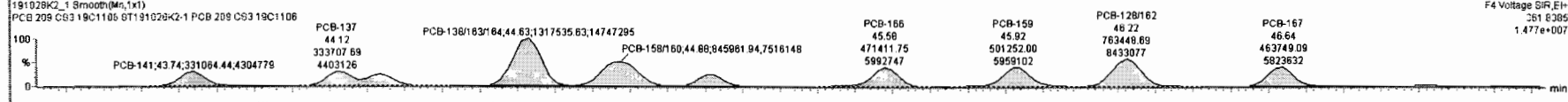
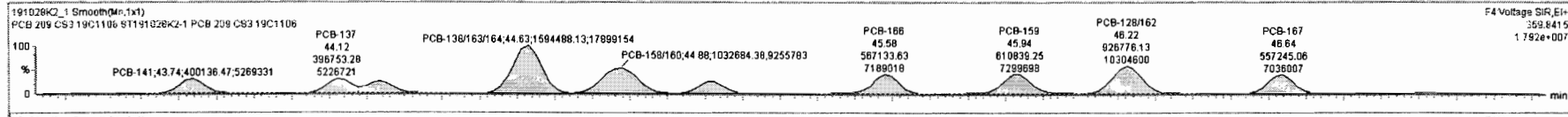


13C-PCB-153



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	PRT	RRF Fail	Conc.	%Rec	DL	EMPC
228	226 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2260	0.482	2260	
228	226 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2154	0.419	2154	
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	259.8	0.126	259.8	
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	782.5	0.106	782.5	
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.600		NO	1489	0.647	1489	
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1217	0.599	1217	
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	497.7	0.0963	497.7	
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	156.2	0.0487	156.2	
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	156.0	0.0835	156.0	
237	237 Deca-Cl				0.9426	1.000	0.00		0.000		NO	51.85	0.00234	51.85	
238	238 Total PCBs														

#	Name	Pred RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	111 PCB-134/143	41.87	41.85	7.450e5	6.139e5	1.240	1.21	NO	105.03	105.03
2	112 PCB-131/133	42.15	42.15	8.084e5	6.658e5	1.240	1.21	NO	105.75	105.75
3	113 PCB-142	42.30	42.30	3.654e5	3.002e5	1.240	1.22	NO	53.280	53.280
4	114 PCB-146/165	42.55	42.55	9.828e5	8.131e5	1.240	1.21	NO	106.10	106.10
5	115 PCB-132/161	42.78	42.79	9.964e5	8.351e5	1.240	1.19	NO	106.54	106.54
6	116 PCB-153	42.96	42.98	5.058e5	4.122e5	1.240	1.23	NO	51.412	51.412
7	117 PCB-168	43.19	43.19	5.158e5	4.256e5	1.240	1.21	NO	52.340	52.340
8	118 PCB-141	43.74	43.74	4.001e5	3.311e5	1.240	1.21	NO	50.326	50.326
9	119 PCB-137	44.12	44.12	3.968e5	3.337e5	1.240	1.19	NO	49.247	49.247

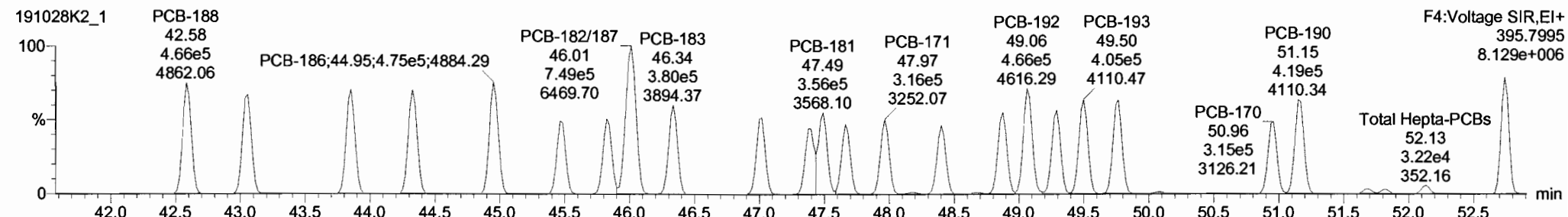
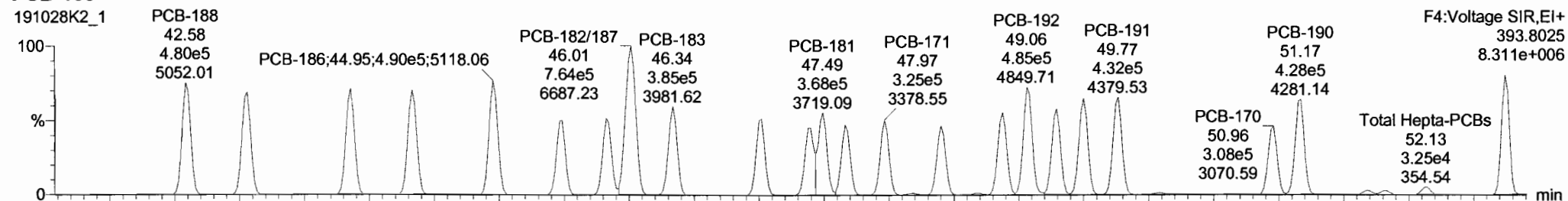


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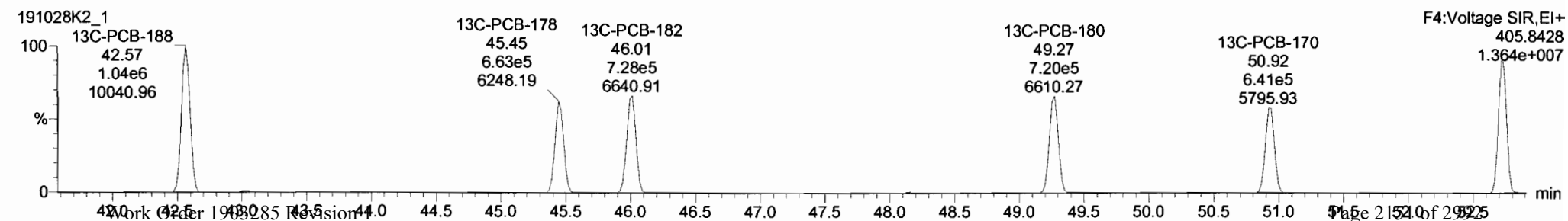
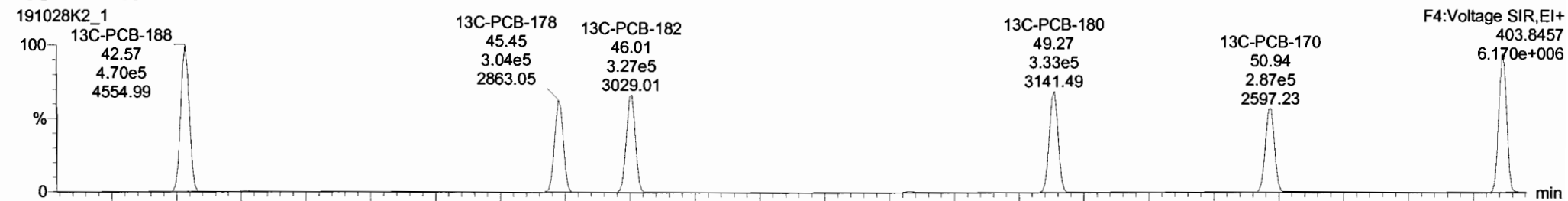
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Name: 191028K2_1, Date: 28-Oct-2019, Time: 15:30:11, ID: ST191028K2-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188



13C-PCB-188



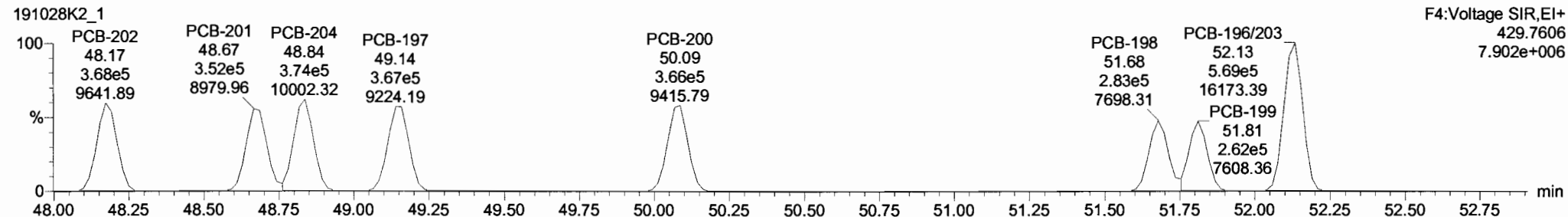
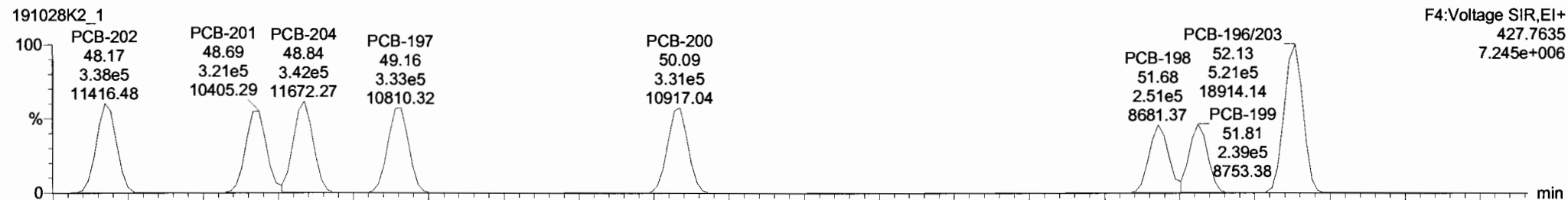
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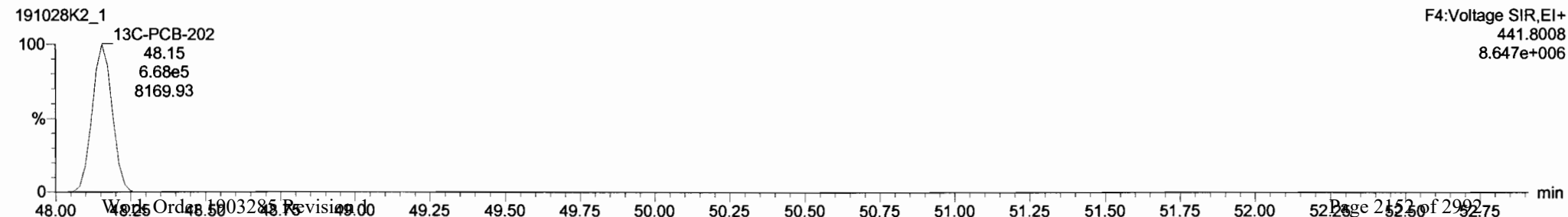
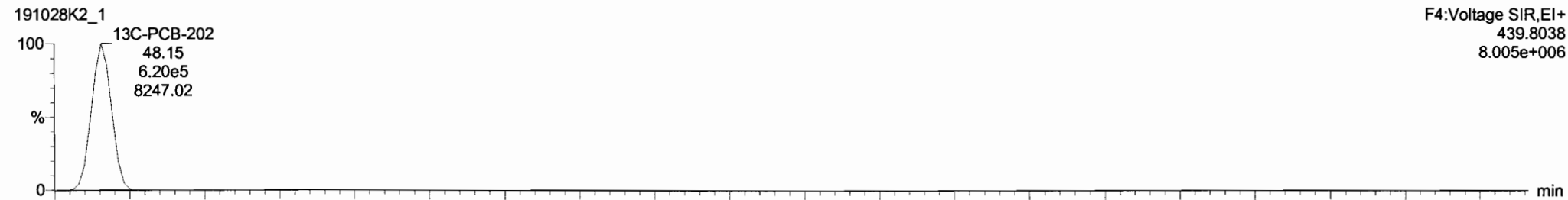
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PCB-202



13C-PCB-202



Dataset: Untitled

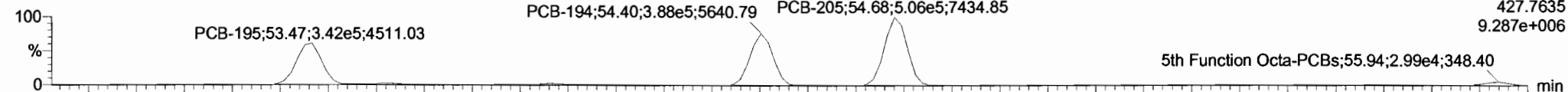
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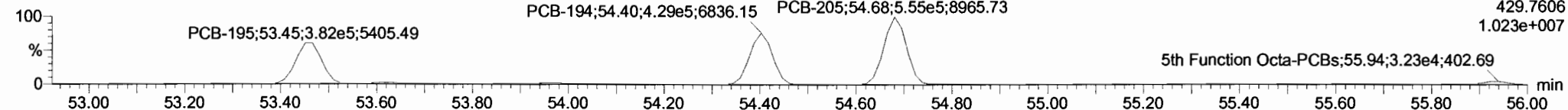
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PCB-195

191028K2_1

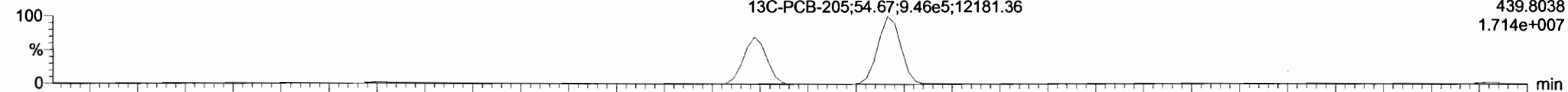


191028K2_1

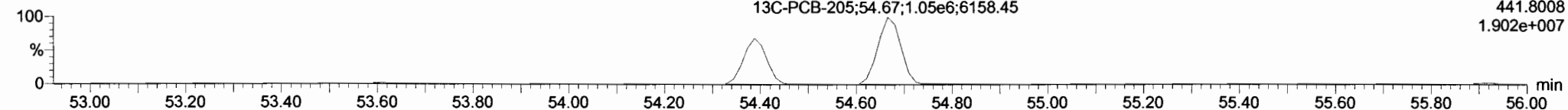


13C-PCB-194

191028K2_1

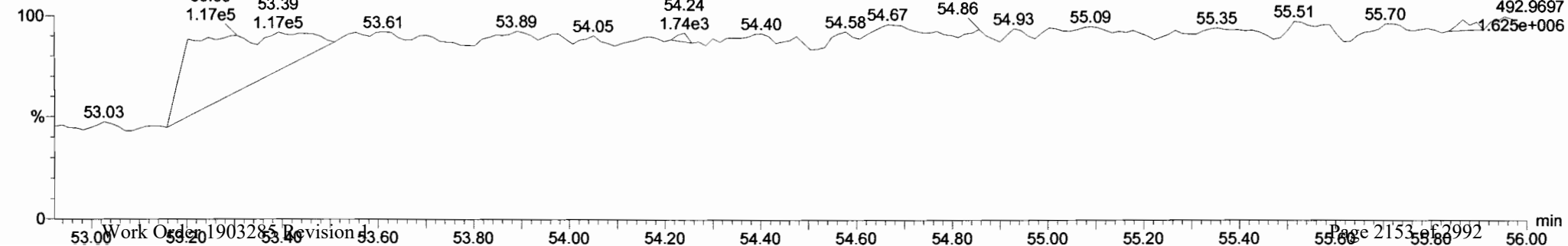


191028K2_1



PFK5

191028K2_1



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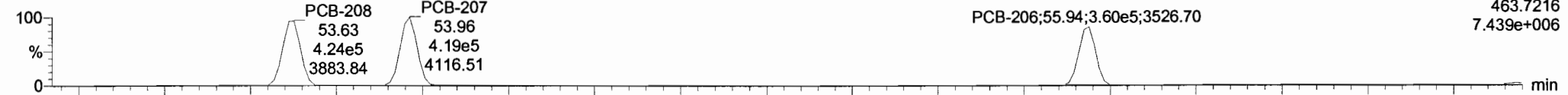
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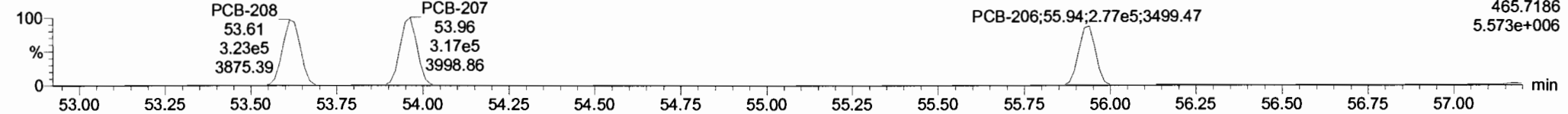
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PCB-208

191028K2_1

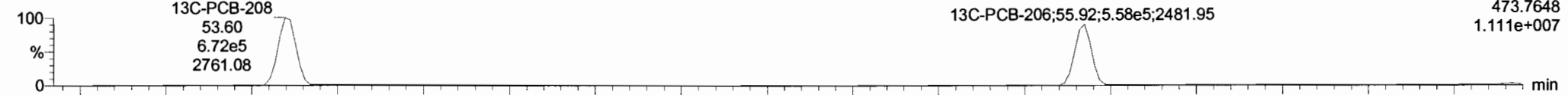


191028K2_1

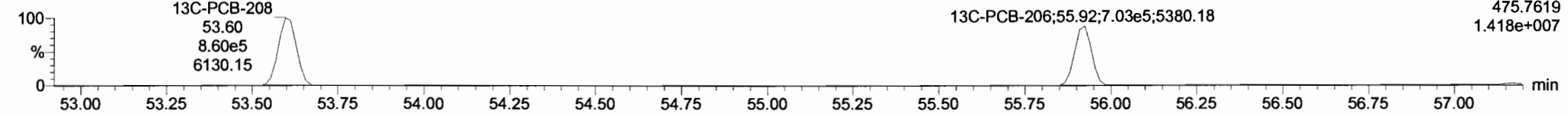


13C-PCB-208

191028K2_1

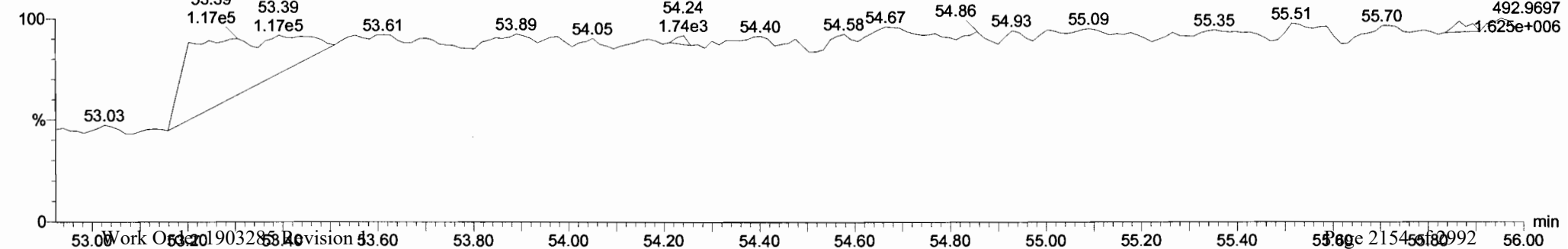


191028K2_1



PFK5

191028K2_1



Dataset: Untitled

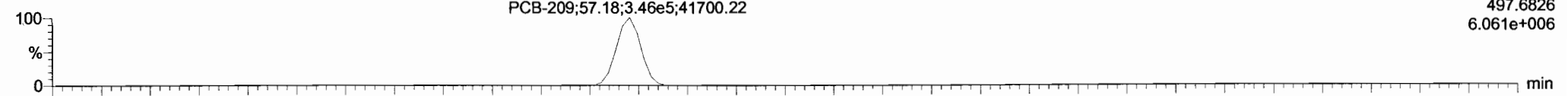
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

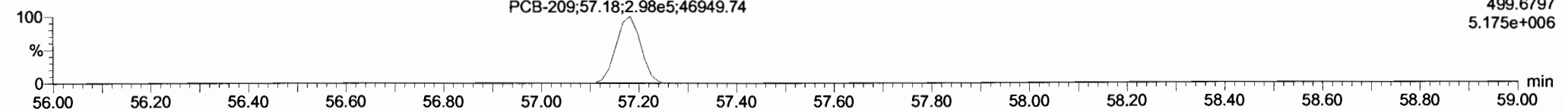
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PCB-209

191028K2_1

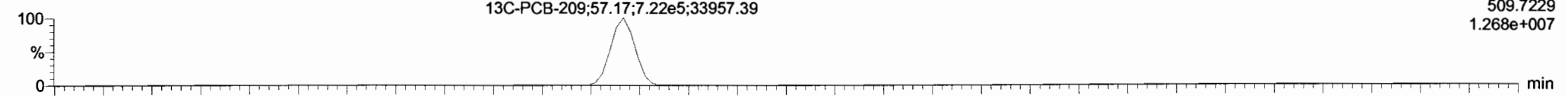


191028K2_1

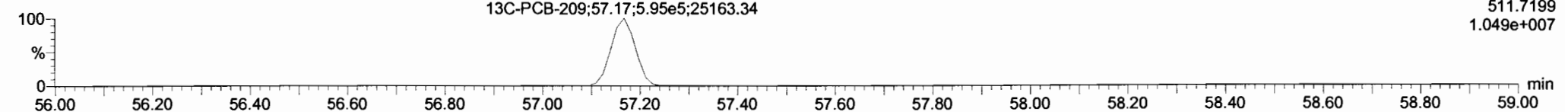


13C-PCB-209

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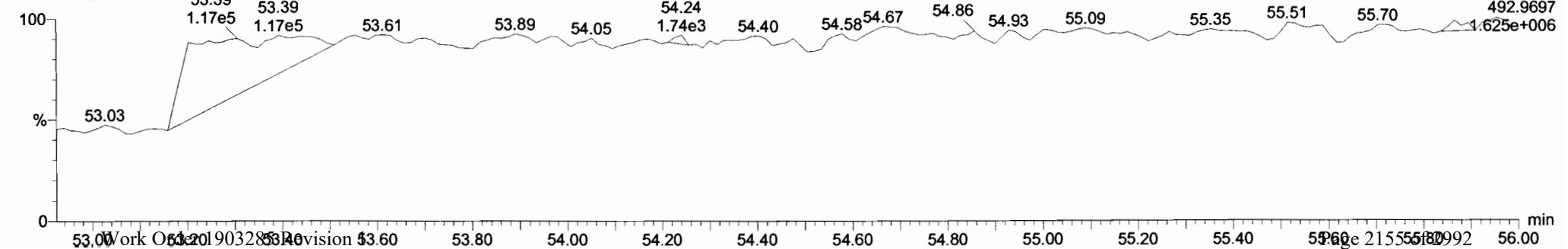


191028K2_1



PFK5

191028K2_1



Resolution Check Report

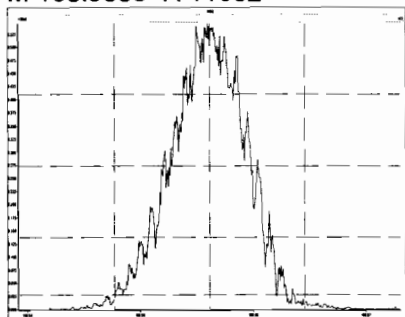
MassLynx 4.1 SCN815

Printed: Tuesday, October 29, 2019 02:56:44 Pacific Daylight Time

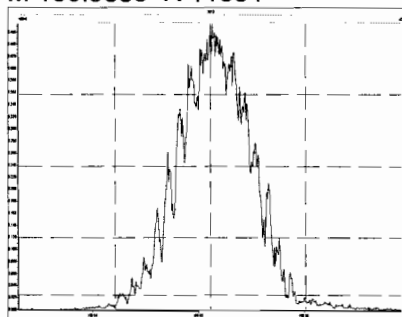
PFK drain

(X) did not centroid (Page 1 of 4)

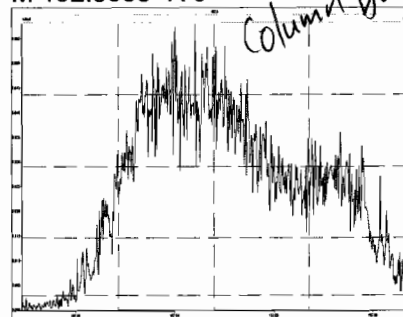
M 168.9888 R 11382



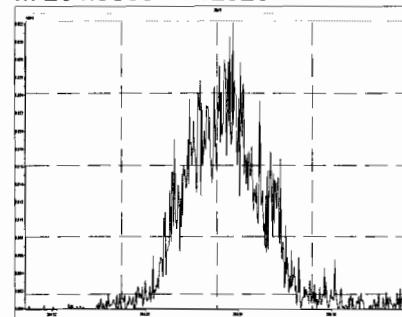
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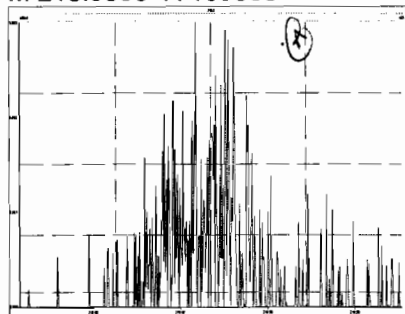
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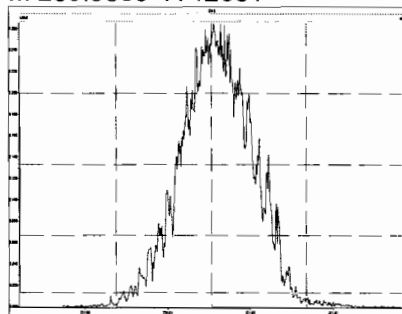
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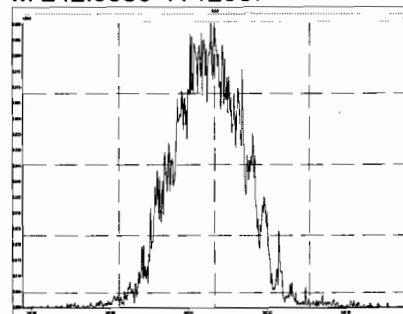
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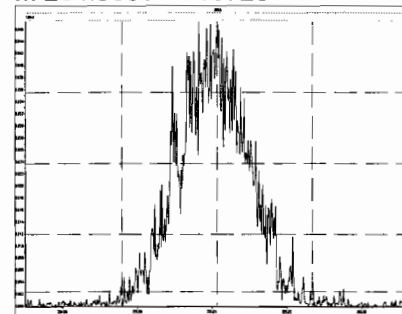
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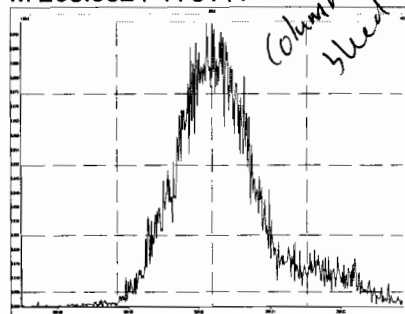
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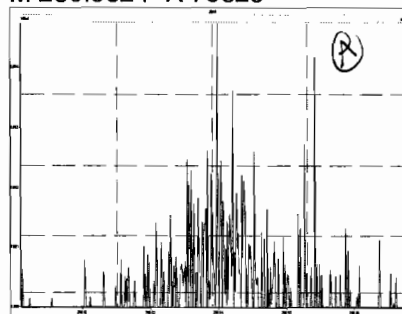
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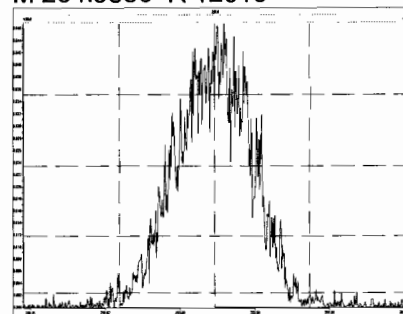
M 268.9824 R 8141



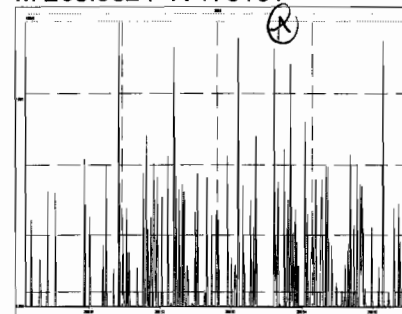
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M 254.9856 R 12019

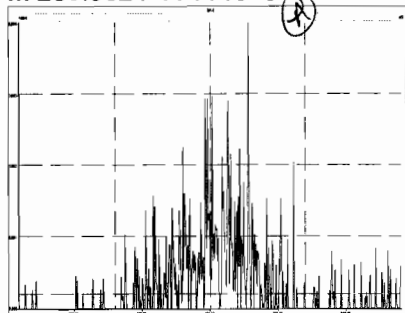


M 268.9824 R 173161

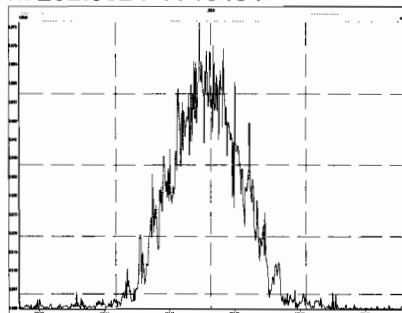


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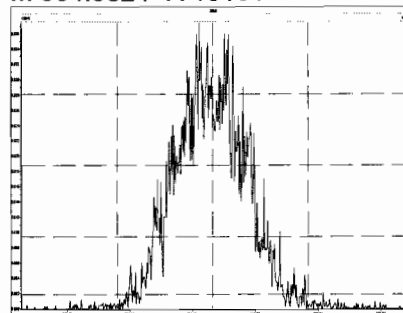
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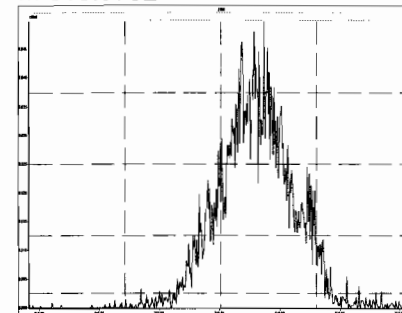
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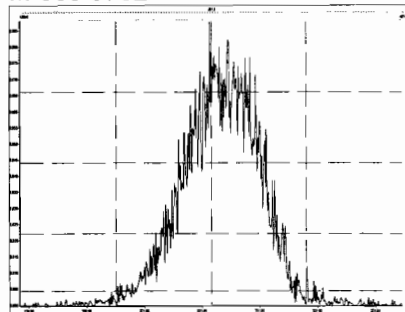
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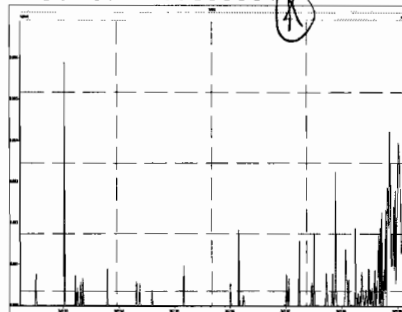
M 318.9792 R 423214



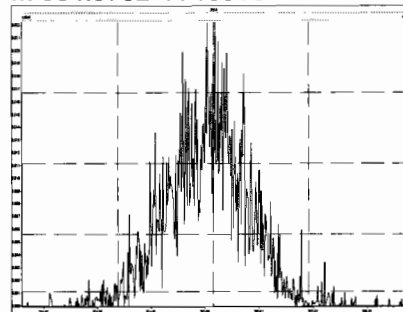
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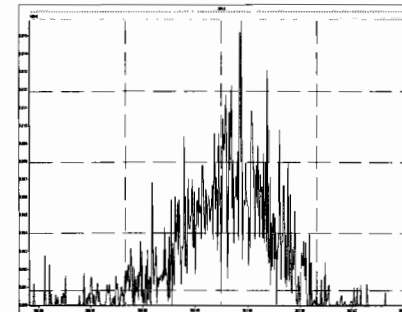
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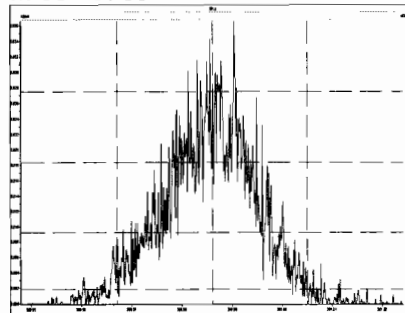
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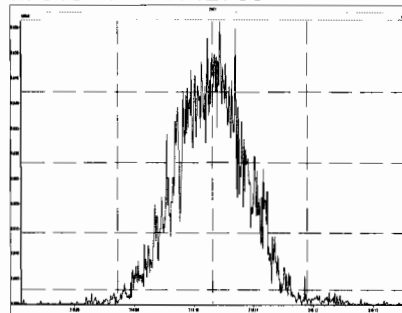
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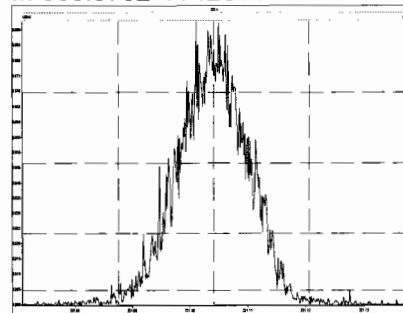
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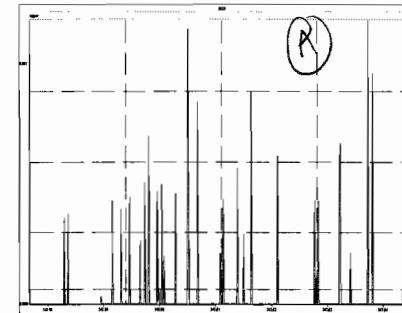
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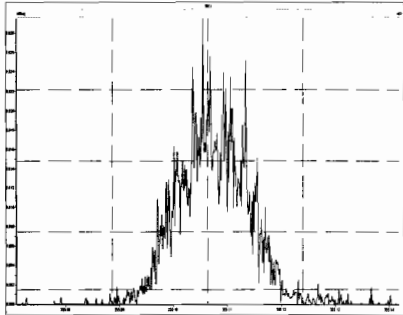
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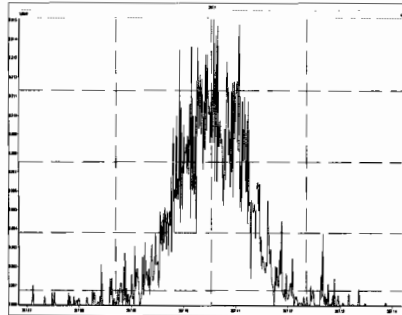
M 342.9792 R 0



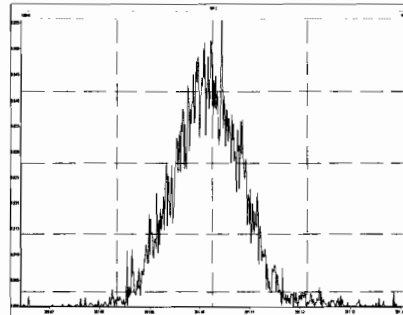
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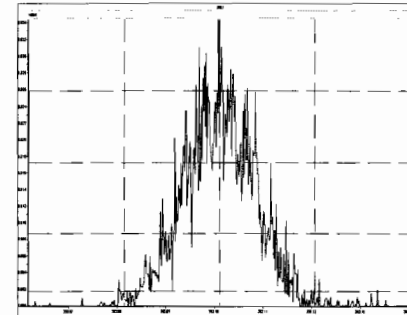
M 366.9792 R 15780



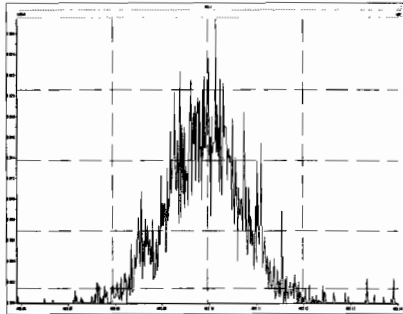
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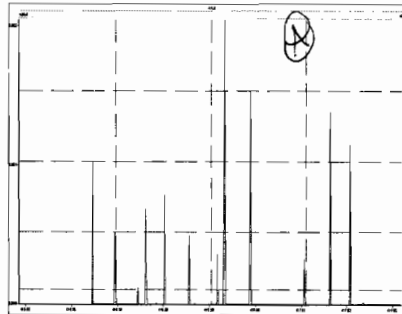
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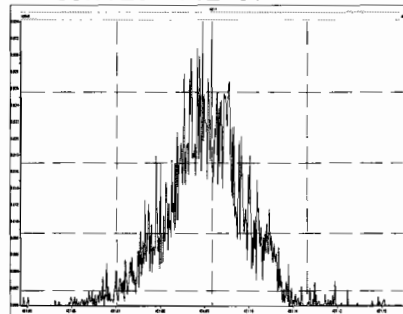
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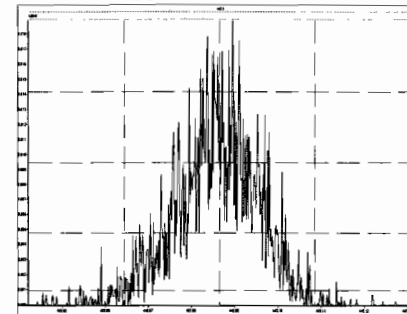
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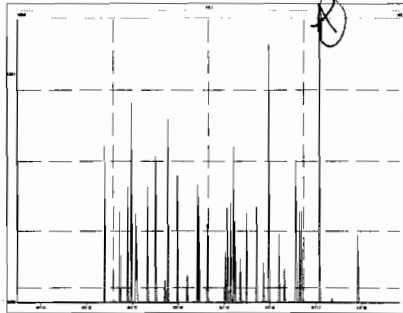
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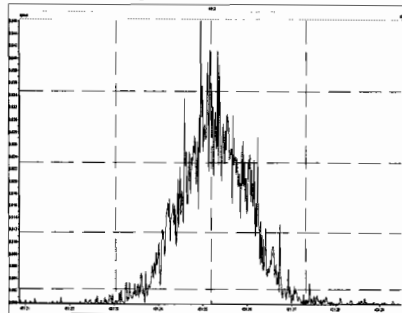
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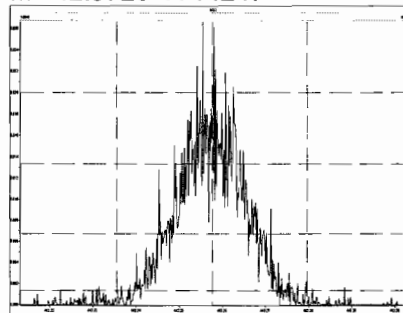
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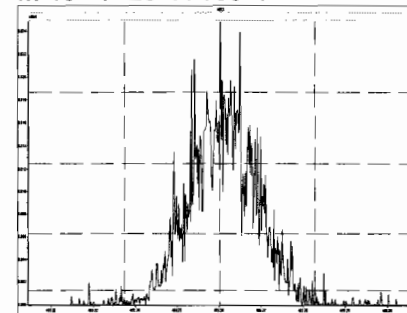
M 430.9728 R 14770



M 442.9728 R 14247

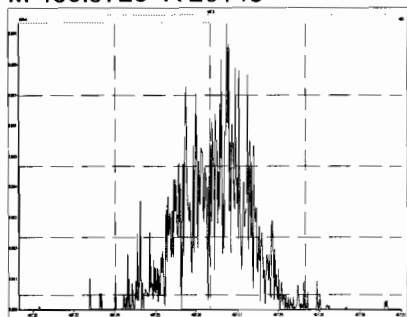


M 454.9728 R 13517

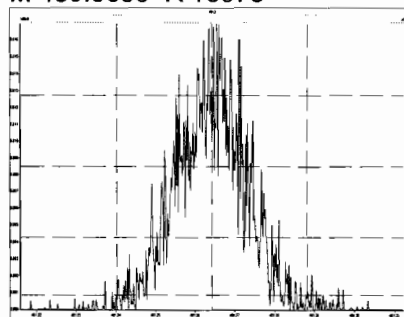


Printed: Tuesday, October 29, 2019 02:56:44 Pacific Daylight Time

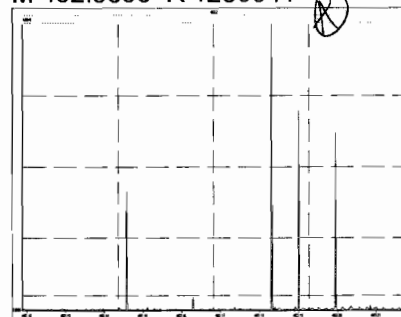
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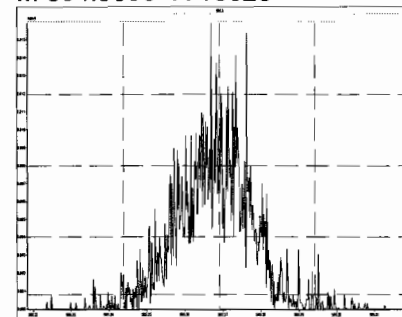
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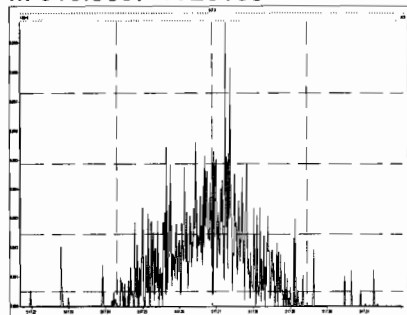
M 492.9696 R 1250041



M 504.9696 R 15625



M 516.9697 R 26153



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST910Z3K2-1

Reviewed By: Hc 10:24:19

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input type="checkbox"/> NA	<input type="checkbox"/>
First and last eluters present?	<input type="checkbox"/> NA	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>↓</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
- Bottle position verified?	<u>GRB</u>	

Mass resolution ≥

5k
 6-8K
 8K
 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

	<u>Beg.</u>	<u>End</u>
Mass resolution ≥	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Intergrated peaks display correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA

GC Break <20%

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

NA

Comments:

Dataset: U:\VG11.PRO\Results\191023K2\191023K2-2.qld

Last Altered: Wednesday, October 23, 2019 17:56:29 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:02:45 Pacific Daylight Time

GRB 10/24/19
HC 10-24-19

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2 Hexachlorobenzene	2.69e6	2.90e6	1.18	NO	0.840	1.000	23.14	23.14	1.001	1.001	NO	55.3	111	0.00335	55.3
2	3 Alpha-BHC	9.00e5	1.08e6	2.13	NO	0.751	1.000	23.70	23.69	1.001	1.002	NO	55.3	111	0.0802	55.3
3	4 Lindane (gamma-BHC)	6.96e5	8.47e5	2.12	NO	0.717	1.000	27.01	27.01	1.001	1.001	NO	57.3	115	0.122	57.3
4	5 Beta-BHC	6.05e5	6.27e5	2.09	NO	0.870	1.000	29.02	29.04	1.001	1.000	NO	55.4	111	0.110	55.4
5	6 Delta-BHC	6.60e5	7.25e5	2.13	NO	0.817	1.000	30.70	30.71	1.001	1.001	NO	55.6	111	0.0984	55.6
6	7 Heptachlor	5.05e5	5.26e5	1.03	NO	0.868	1.000	29.18	29.18	1.001	1.001	NO	55.2	110	0.0453	55.2
7	9 Aldrin	6.67e5	6.44e5	1.58	NO	0.946	1.000	31.27	31.28	1.001	1.001	NO	54.7	109	0.0321	54.7
8	10 Oxychlorane	1.65e5	1.60e5	1.61	NO	0.926	1.000	33.84	33.85	1.001	1.001	NO	55.6	111	0.119	55.6
9	11 cis-Heptachlor Epoxide	2.25e5	2.19e5	1.63	NO	0.937	1.000	34.63	34.63	1.001	1.001	NO	54.9	110	0.0748	54.9
10	12 trans-Heptachlor Epox...	5.54e4	2.19e5	1.55	NO	0.238	1.000	35.13	35.12	1.015	1.015	NO	53.1	106	0.294	53.1
11	13 trans-Chlordane (gam...	1.92e5	1.78e5	1.57	NO	0.980	1.000	35.53	35.53	1.000	1.001	NO	55.1	110	0.0934	55.1
12	14 trans-Nonachlor	1.95e5	1.95e5	1.56	NO	0.902	1.000	35.71	35.72	1.001	1.001	NO	55.6	111	0.0977	55.6
13	15 cis-Chlordane	1.95e5	1.95e5	1.60	NO	0.899	1.000	36.20	36.20	1.014	1.014	NO	55.8	112	0.0980	55.8
14	16 Endosulfan I (alpha)	1.23e5	1.13e5	1.61	NO	1.03	1.000	36.31	36.31	1.001	1.001	NO	52.4	105	0.130	52.4
15	18 2,4'-DDE	2.93e6	3.49e6	1.24	NO	0.758	1.000	36.18	36.18	1.000	1.000	NO	55.5	111	0.155	55.5
16	19 4,4'-DDE	2.13e6	2.52e6	1.25	NO	0.771	1.000	37.25	37.25	1.000	1.000	NO	55.0	110	0.212	55.0
17	20 Dieldrin	3.07e5	3.07e5	1.52	NO	0.927	1.000	37.75	37.76	1.001	1.000	NO	54.1	108	0.102	54.1
18	21 Endrin	2.20e5	2.24e5	1.52	NO	0.902	1.000	39.14	39.16	1.000	1.000	NO	54.4	109	0.143	54.4
19	22 cis-Nonachlor	1.92e5	1.91e5	1.50	NO	0.913	1.000	39.44	39.44	1.000	1.000	NO	55.2	110	0.160	55.2
20	23 Endosulfan II (beta)	5.91e4	5.82e4	1.55	NO	1.03	1.000	40.15	40.17	1.000	1.000	NO	49.4	98.7	0.430	49.4
21	24 2,4'-DDD	2.39e6	2.43e6	1.54	NO	0.890	1.000	38.37	38.39	1.000	1.000	NO	55.1	110	0.183	55.1
22	25 2,4'-DDT	1.66e6	1.73e6	1.53	NO	0.865	1.000	39.52	39.51	1.000	1.000	NO	55.3	111	0.287	55.3
23	26 4,4'-DDD	2.22e6	2.07e6	1.55	NO	0.971	1.000	39.64	39.65	1.001	1.000	NO	55.1	110	0.210	55.1
24	27 4,4'-DDT	1.44e6	1.34e6	1.55	NO	0.974	1.000	40.71	40.70	1.000	1.000	NO	55.0	110	0.321	55.0
25	28 Endosulfan Sulfate	8.96e4	9.51e4	1.54	NO	0.896	1.000	41.88	41.89	1.000	1.000	NO	52.6	105	0.282	52.6
26	29 4,4'-Methoxychlor	1.81e6	1.50e7	6.00	NO	1.10	1.000	43.76	43.76	1.000	1.000	NO	54.6	109	0.0480	54.6
27	30 Mirex	7.72e5	8.12e5	1.43	NO	0.870	1.000	44.35	44.35	1.000	1.000	NO	54.7	109	0.0806	54.7
28	31 Endrin Aldehyde	1.32e5	1.34e6	0.61	NO	0.962	1.000	41.30	41.29	1.000	1.000	NO	50.9	102	0.256	50.9
29	32 Endrin Ketone	1.04e5	1.14e6	0.61	NO	0.867	1.000	44.47	44.49	1.000	1.000	NO	52.6	105	0.369	52.6
30	34 13C6-Hexachlorobenz...	2.90e6	3.93e6	1.27	NO	0.710	1.000	23.11	23.11	0.873	0.873	NO	52.0	104	0.00434	52.0
31	Work Order 1903285 Revision 1	1.08e6	3.93e6	0.78	NO	0.255	1.000	23.65	23.66	0.893	0.893	NO	53.9	108	0.160	53.9

Dataset: U:\VG11.PRO\Results\191023K2\191023K2-2.qld

Last Altered: Wednesday, October 23, 2019 17:56:29 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:02:45 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	8.47e5	3.93e6	0.81	NO	0.216	1.000	26.98	26.98	1.019	1.019	NO	50.0	100	0.185	
33	37 13C6-Beta-BHC	6.27e5	3.93e6	0.78	NO	0.162	1.000	29.03	29.01	1.095	1.096	NO	49.1	98.2	0.246	
34	38 13C6-Delta-BHC	7.25e5	3.93e6	0.82	NO	0.185	1.000	30.70	30.68	1.158	1.159	NO	49.9	99.9	0.216	
35	39 13C10-Heptachlor	5.26e5	3.93e6	1.28	NO	0.178	1.000	29.12	29.15	1.101	1.099	NO	37.6	75.3	0.0335	
36	40 13C12-Aldrin	6.44e5	3.93e6	1.60	NO	0.186	1.000	31.26	31.24	1.179	1.180	NO	44.0	88.0	0.0643	
37	41 13C10-Oxychlorthane	1.60e5	3.93e6	1.58	NO	0.0499	1.000	33.84	33.82	1.277	1.278	NO	40.8	81.7	0.240	
38	42 13C10-cis-Heptachlor ...	2.19e5	3.93e6	1.61	NO	0.0657	1.000	34.63	34.61	1.307	1.308	NO	42.3	84.6	0.182	
39	43 13C10-trans-Chlordan...	1.78e5	3.93e6	1.65	NO	0.0525	1.000	35.54	35.51	1.341	1.342	NO	43.0	86.0	0.228	
40	44 13C10-trans-Nonachlor	1.95e5	3.93e6	1.65	NO	0.0587	1.000	35.73	35.69	1.347	1.349	NO	42.2	84.3	0.204	
41	45 13C9-Endosulfan I (al...	1.13e5	3.93e6	1.66	NO	0.0343	1.000	36.33	36.28	1.370	1.372	NO	42.0	83.9	0.349	
42	46 13C12-2,4'-DDE	3.49e6	3.93e6	1.57	NO	1.01	1.000	36.17	36.17	0.996	0.996	NO	43.9	87.7	0.0968	
43	47 13C12-4,4'-DDE	2.52e6	3.93e6	1.57	NO	0.760	1.000	37.23	37.23	1.025	1.025	NO	42.0	84.1	0.129	
44	48 13C12-Dieldrin	3.07e5	3.93e6	1.68	NO	0.0797	1.000	37.73	37.73	1.039	1.039	NO	48.9	97.8	0.221	
45	49 13C12-Endrin	2.24e5	3.93e6	1.57	NO	0.0599	1.000	39.13	39.14	1.078	1.078	NO	47.5	95.0	0.294	
46	50 13C10-cis-Nonachlor	1.91e5	3.93e6	1.54	NO	0.0486	1.000	39.41	39.42	1.086	1.085	NO	49.9	99.8	0.362	
47	51 13C9-Endosulfan II	5.82e4	3.93e6	1.67	NO	0.0145	1.000	40.15	40.15	1.106	1.106	NO	50.9	102	1.21	
48	52 13C12-2,4'-DDD	2.43e6	3.93e6	1.57	NO	0.653	1.000	38.42	38.37	1.449	1.451	NO	47.3	94.7	0.0975	
49	53 13C12-2,4'-DDT	1.73e6	3.93e6	1.78	NO	0.443	1.000	39.54	39.50	1.491	1.493	NO	49.7	99.4	0.144	
50	54 13C12-4,4'-DDD	2.07e6	3.93e6	1.59	NO	0.550	1.000	39.67	39.62	1.496	1.498	NO	47.9	95.8	0.116	
51	55 13C12-4,4'-DDT	1.34e6	3.93e6	1.60	NO	0.354	1.000	40.74	40.69	1.536	1.538	NO	48.2	96.4	0.180	
52	56 13C9-Endosulfan Sulf...	9.51e4	3.93e6	1.60	NO	0.0239	1.000	41.86	41.88	1.153	1.153	NO	50.5	101	1.03	
53	57 13C12-Methoxychlor	1.50e7	3.93e6	24.20	NO	0.362	1.000	43.72	43.75	1.205	1.204	NO	529	106	0.228	
54	58 13C10-Mirex	8.12e5	3.93e6	1.58	NO	0.184	1.000	44.32	44.33	1.221	1.220	NO	56.2	112	0.168	
55	59 13C12-Endrin Aldehyde	1.34e6	3.93e6	0.45	NO	0.0307	1.000	41.26	41.28	1.137	1.136	NO	556	111	1.10	
56	60 13C12-Endrin Ketone	1.14e6	3.93e6	0.47	NO	0.0240	1.000	44.44	44.47	1.225	1.224	NO	605	121	1.41	
57	62 13C-PCB-15	3.93e6	3.93e6	1.51	NO	1.00	1.000	26.42	26.49	1.000	1.000	NO	50.0	100	0.0202	

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, October 24, 2019 08:04:21 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:04:39 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	191023K2_1	GC191023K2-1 GC BREAK	23-Oct-19	16:17:26
2	191023K2_2	ST191023K2-1 1699 CS3 19H0204	23-Oct-19	17:06:56
3	191023K2_3	GC191023K2-2 GC BREAK	23-Oct-19	17:57:13
4	191023K2_4	New 1699 NS Tester 19I3003	23-Oct-19	18:44:00
5	191023K2_5	B9J0002-BS1 OPR 1	23-Oct-19	19:34:23
6	191023K2_6	SOLVENT BLANK	23-Oct-19	20:23:06
7	191023K2_7	B9J0002-BLK1 Method Blank 1	23-Oct-19	21:12:39
8	191023K2_8	1903285-07@20X PDI-103SG-00-01-190924 ...	23-Oct-19	22:02:13
9	191023K2_9	1903285-08@20X PDI-104SG-00-01-190924 ...	23-Oct-19	22:53:00
10	191023K2_10	1903285-09@20X PDI-105SG-00-0.99-190924 ...	23-Oct-19	23:42:06
11	191023K2_11	1903285-10@20X PDI-106SG-00-01-190924 ...	24-Oct-19	00:30:49
12	191023K2_12	1903221-02@10X MC19-SWED-F2 0.98463	24-Oct-19	01:21:11
13	191023K2_13	1903222-02@10X MC19-SWED-U2 1.01318	24-Oct-19	02:10:42
14	191023K2_14	1903223-02@5X MC19-SWCS-U2 0.98348	24-Oct-19	02:59:28
15	191023K2_15	B9I0215-MS1@5X Matrix Spike 1.01054	24-Oct-19	03:48:59
16	191023K2_16	B9I0215-MSD1@5X Matrix Spike Dup 0.99794	24-Oct-19	04:38:30

Dataset: U:\VG11.PRO\Results\191023K2\191023K2-3.qld

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Printed: Thursday, October 24, 2019 08:16:16 Pacific Daylight Time

GRB 10/24/19

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 23 Oct 2019 17:10:02

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K2_3, Date: 23-Oct-2019, Time: 17:57:13, ID: GC191023K2-2 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	3.76e3	0.67	NO	41.29
2	2 Endrin Ketone	1.08e4	0.59	NO	44.47
3	3 Endrin	7.47e5	1.52	NO	39.14
4	4 4,4'-DDE				
5	5 4,4'-DDD	7.05e4	1.34	NO	39.63
6	6 4,4'-DDT	1.14e7	1.54	NO	40.70

$$\frac{EA + EK}{E} \times 100\% = 1.95\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 0.62\%$$

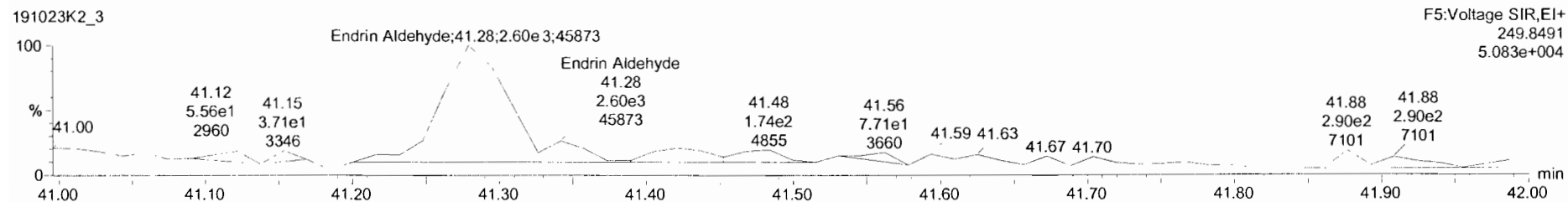
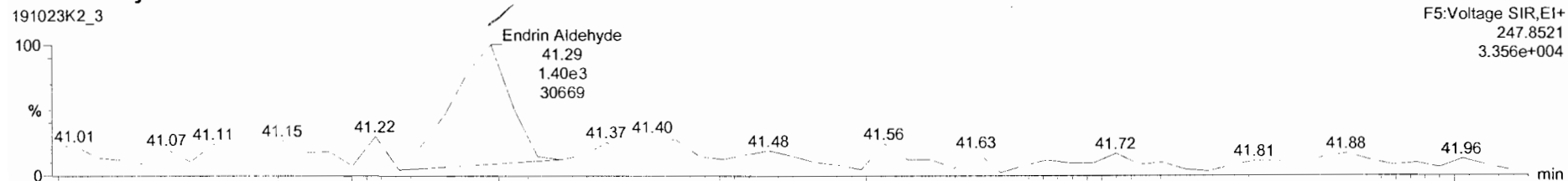
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Printed: Thursday, October 24, 2019 08:11:48 Pacific Daylight Time

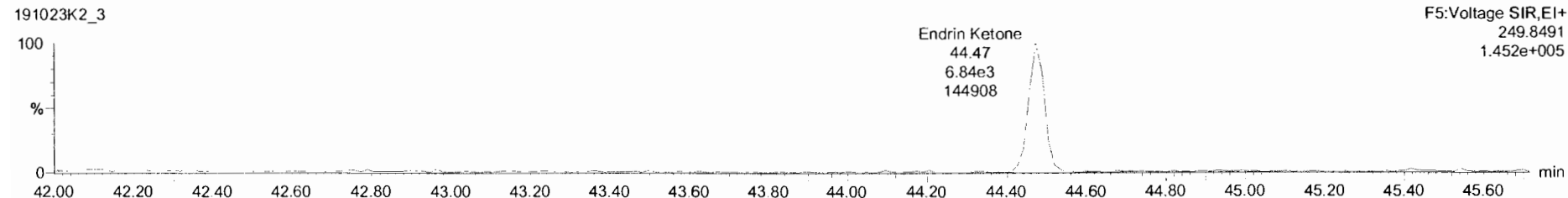
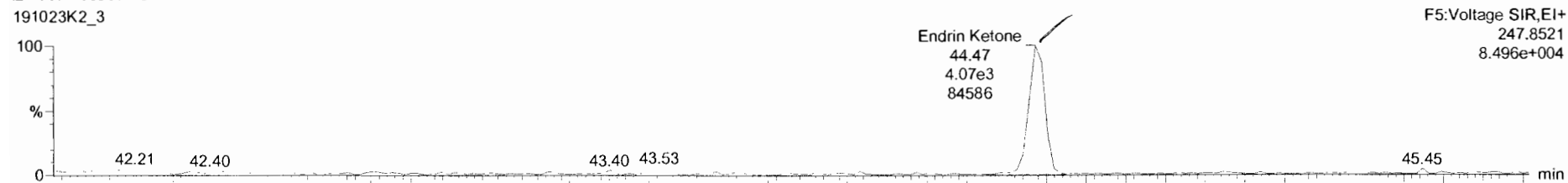
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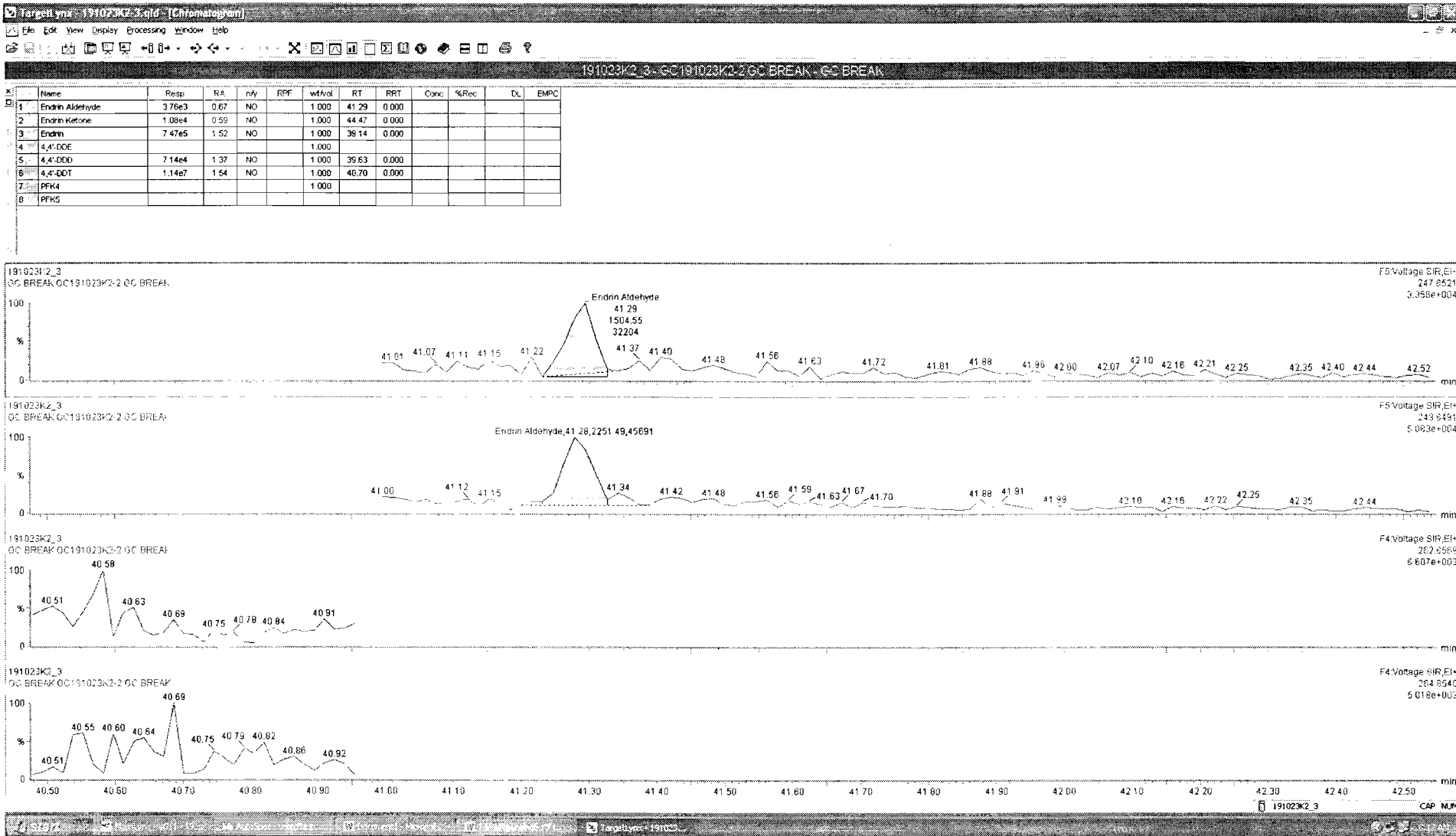
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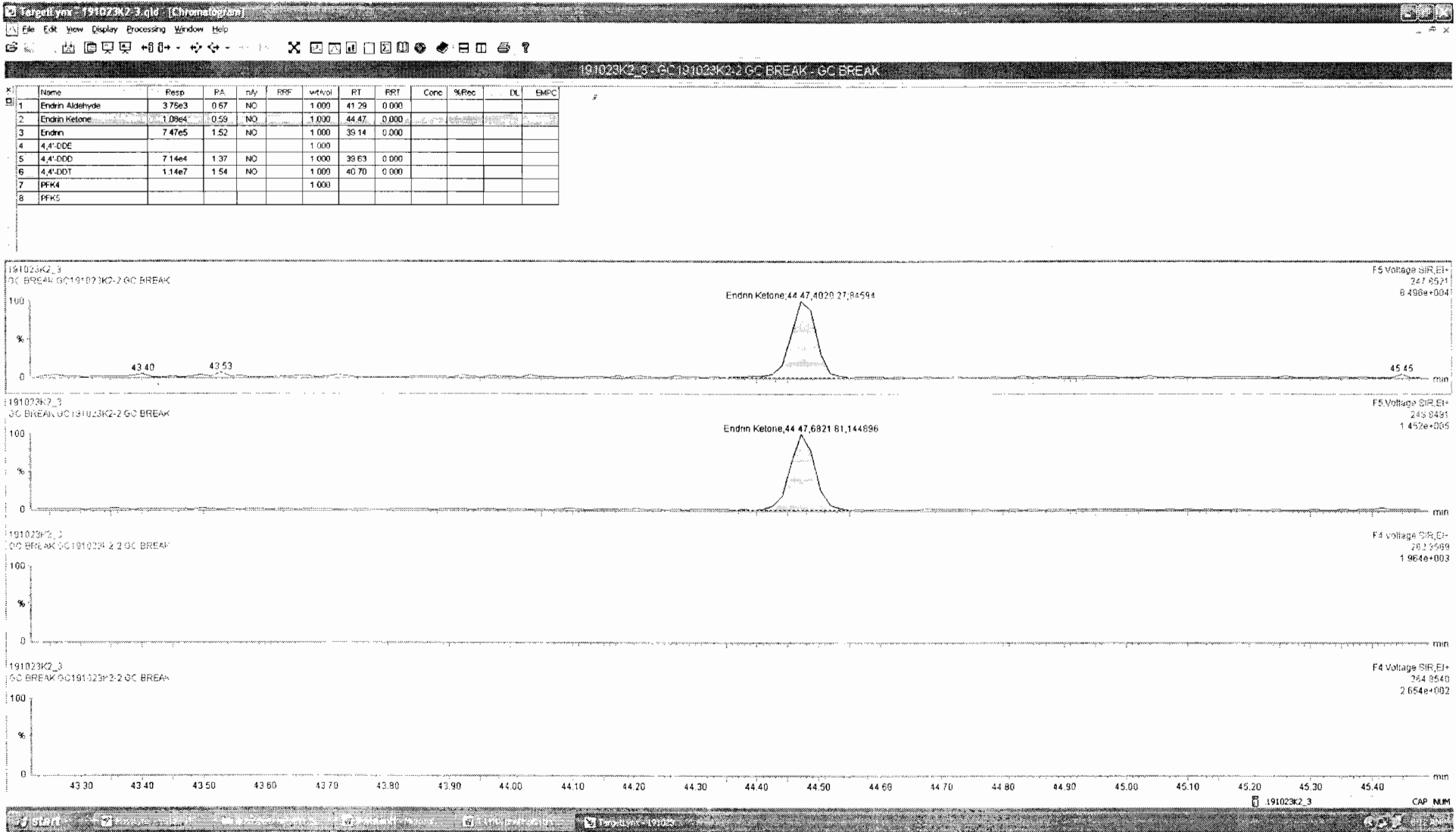
Endrin Aldehyde



Endrin Ketone





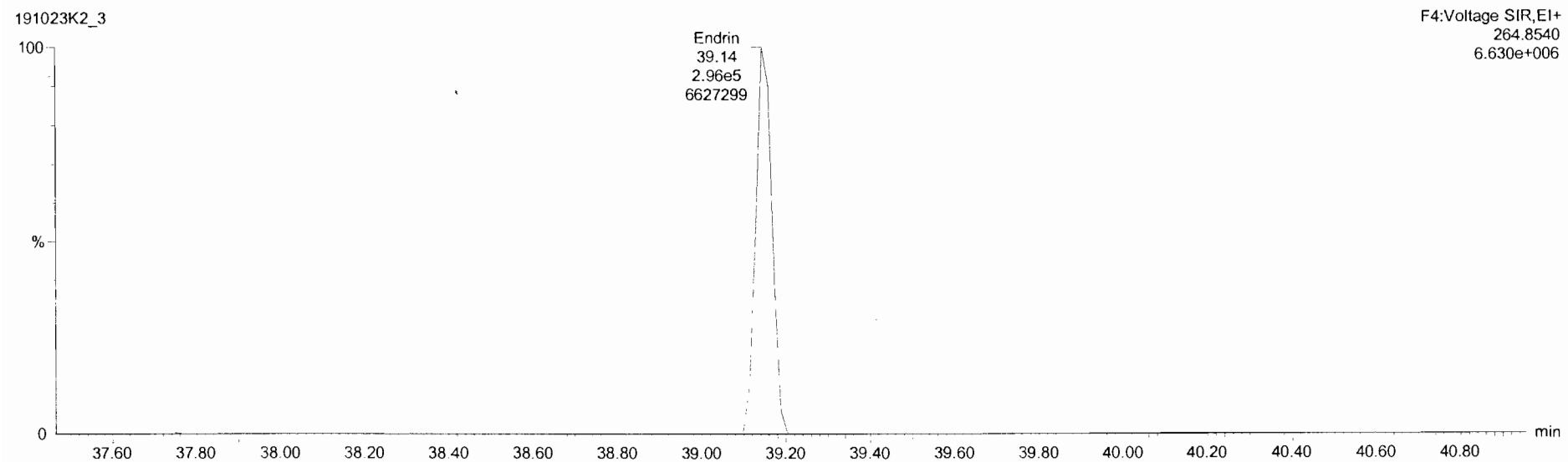
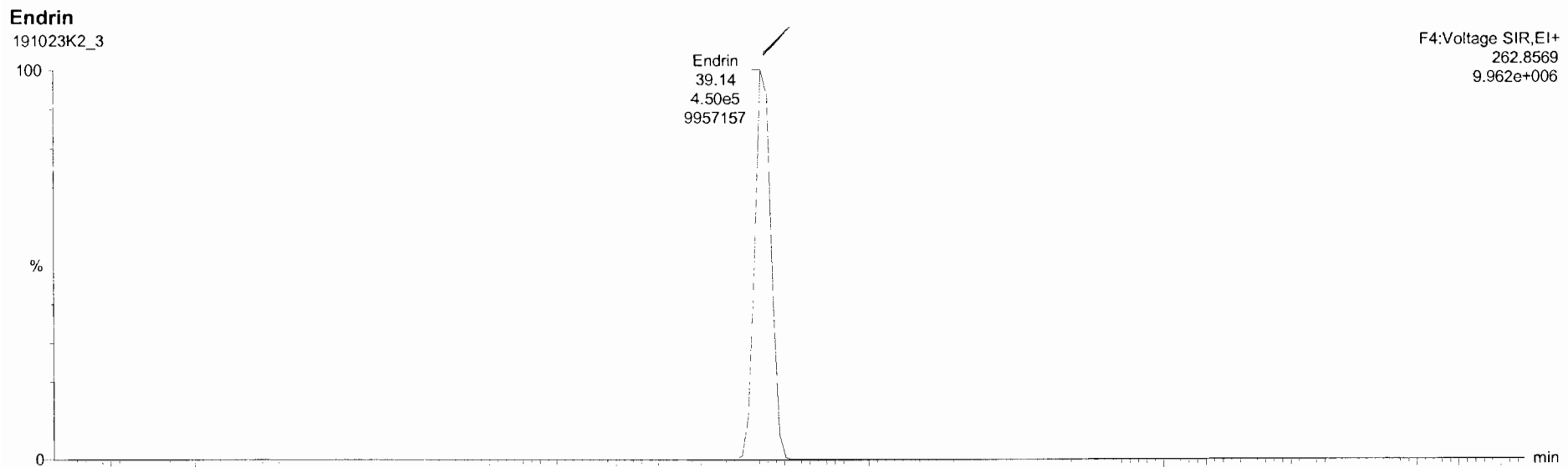


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Printed: Thursday, October 24, 2019 08:11:48 Pacific Daylight Time

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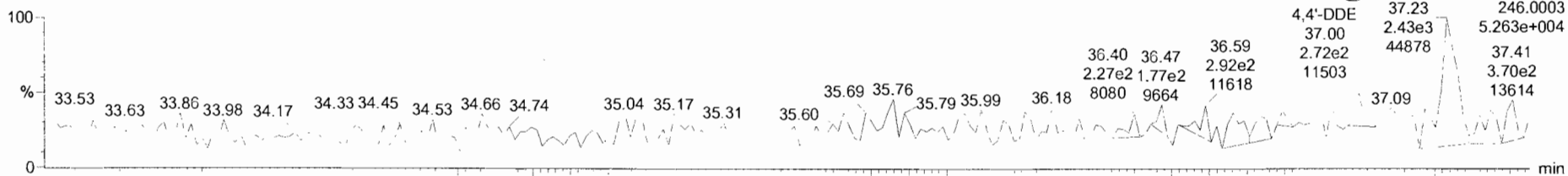
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Printed: Thursday, October 24, 2019 08:11:48 Pacific Daylight Time

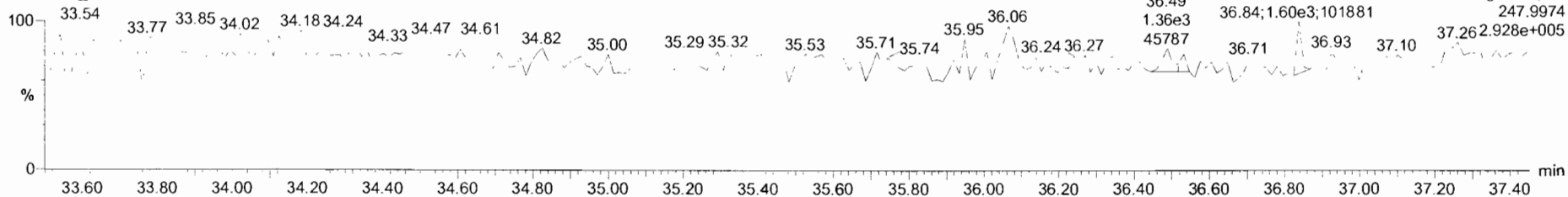
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4,4'-DDE

191023K2_3

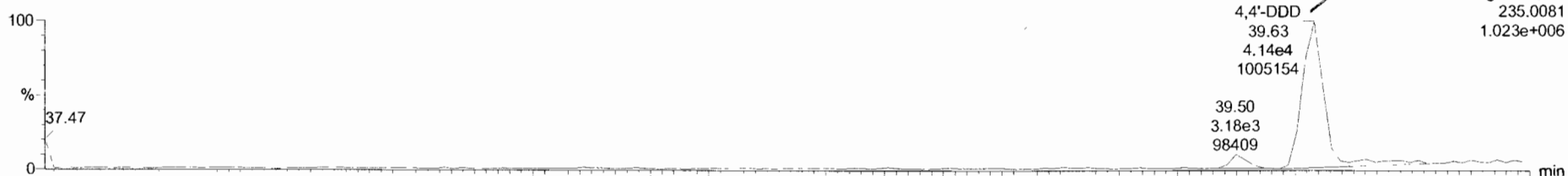


191023K2_3

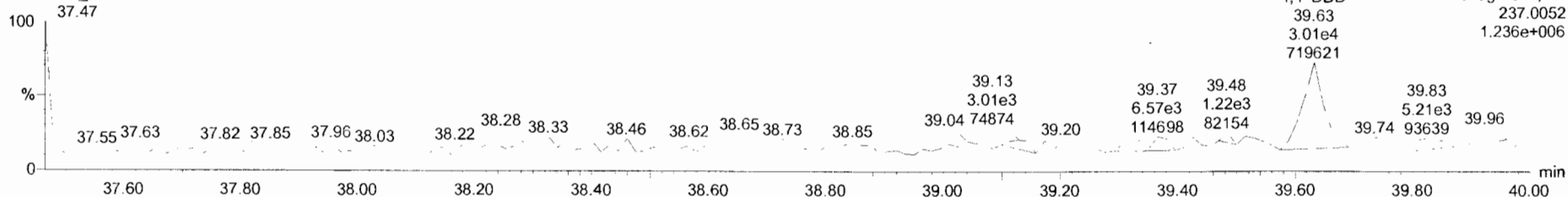


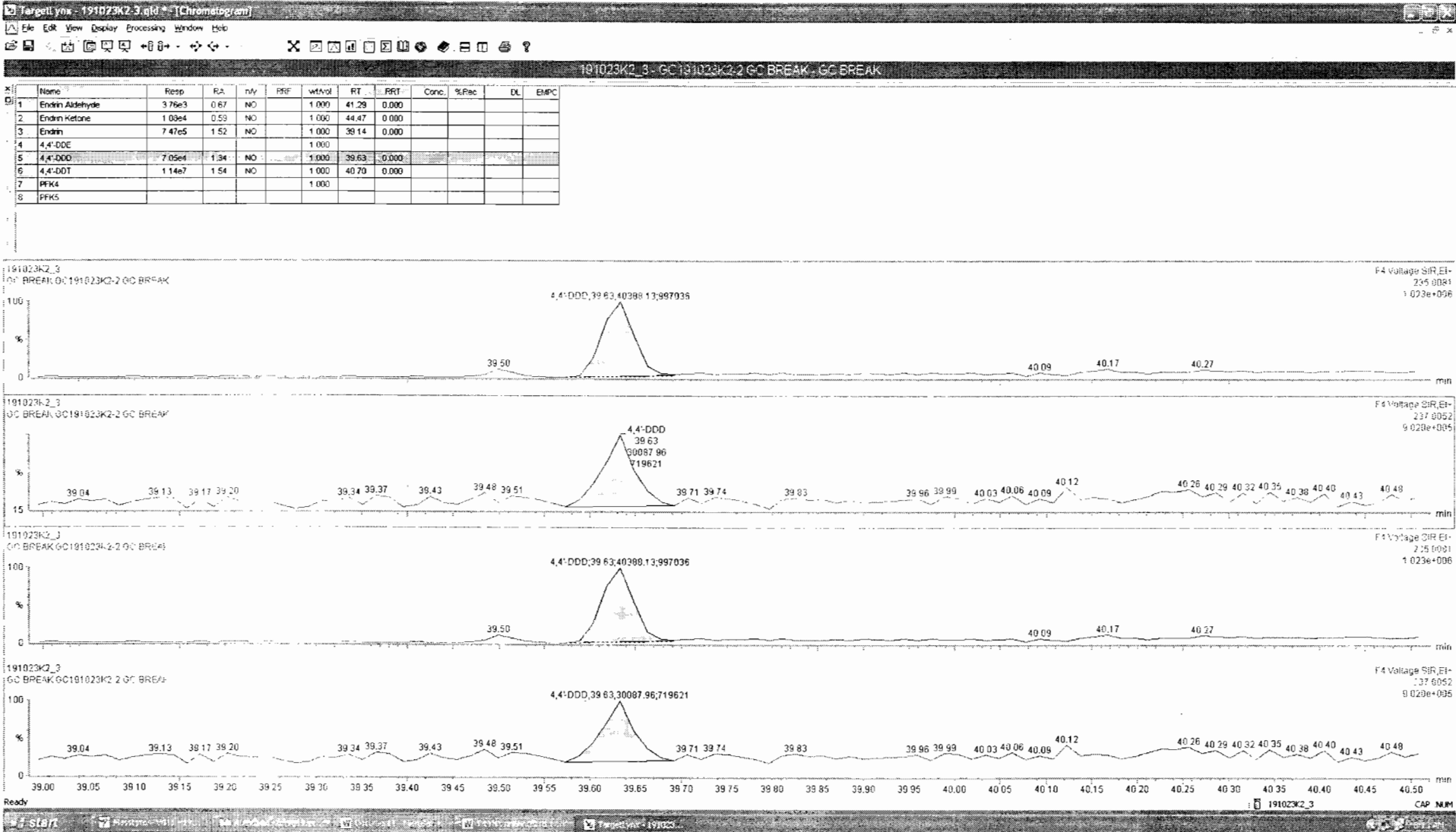
4,4'-DDD

191023K2_3



191023K2_3





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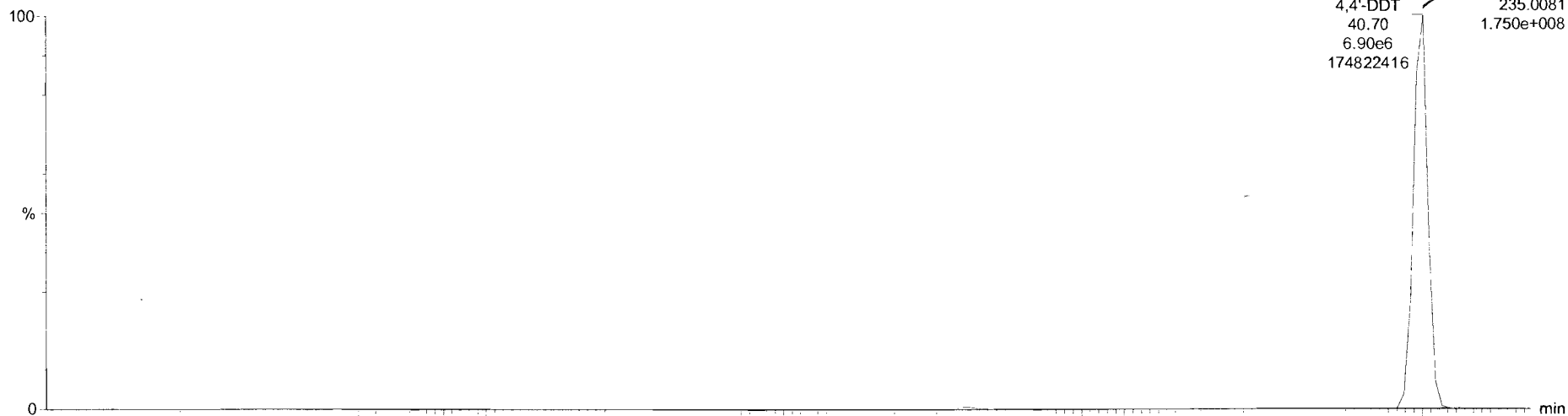
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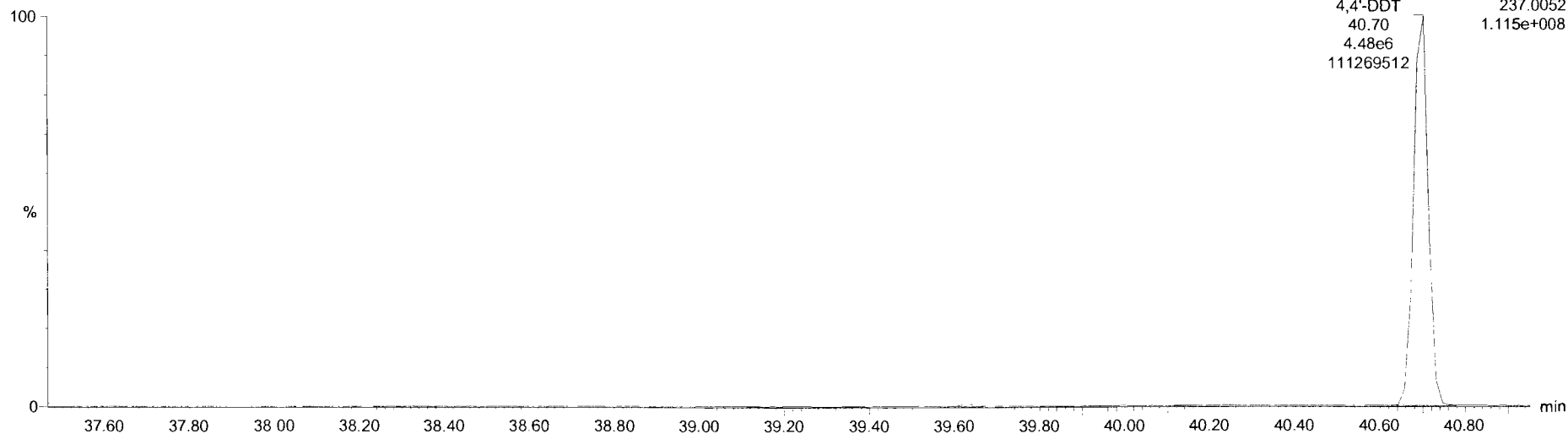
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4,4'-DDT

191023K2_3



191023K2_3



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

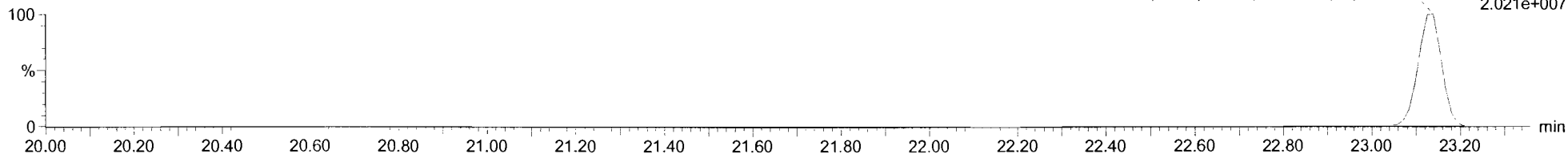
Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Hexachlorobenzene

191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

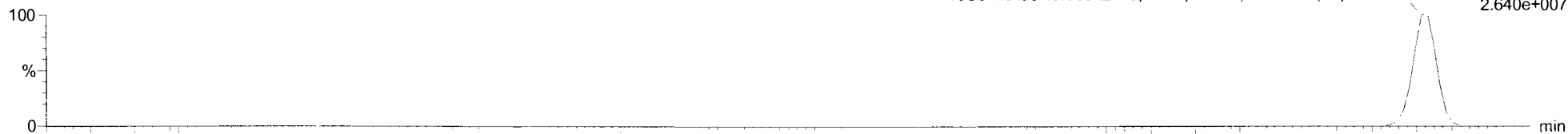


191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

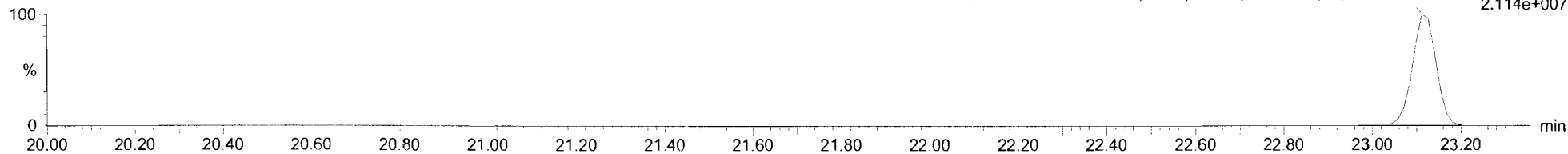


13C6-Hexachlorobenzene

191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204



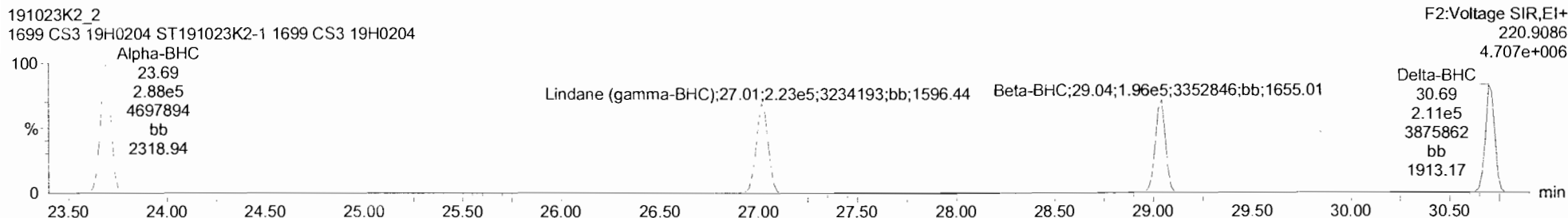
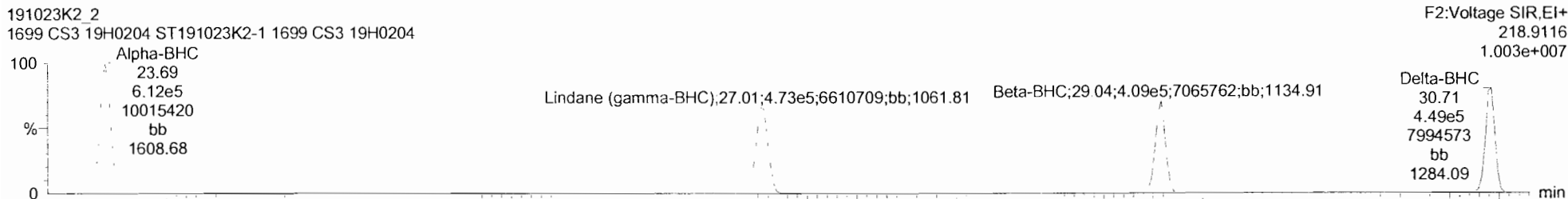
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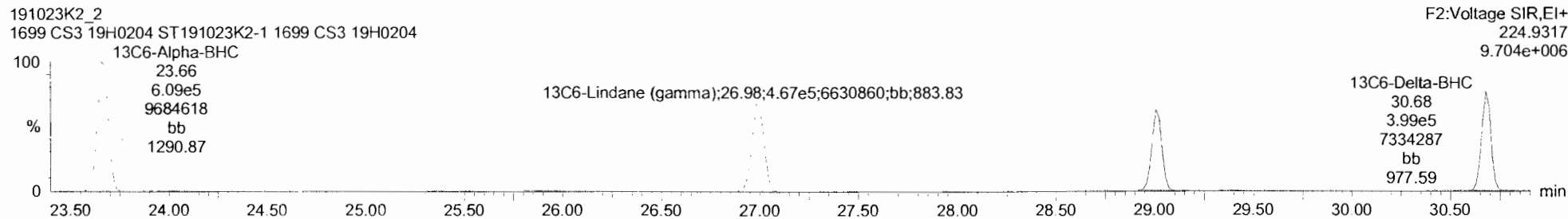
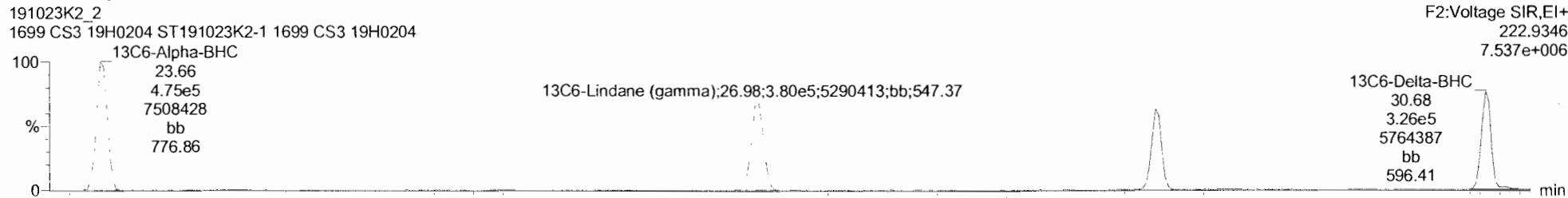
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BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

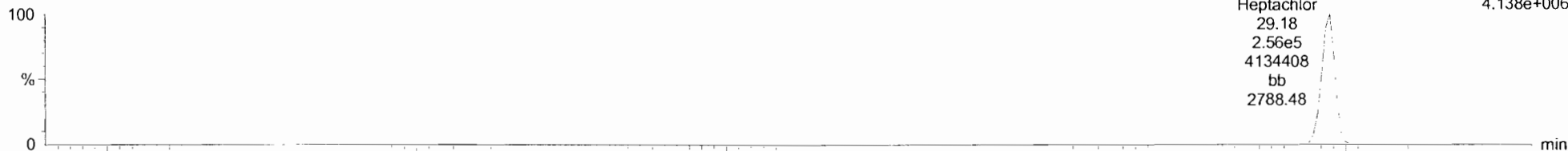
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Heptachlor

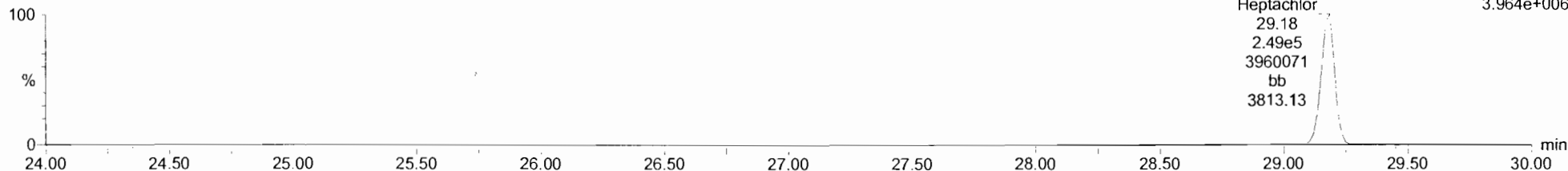
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
4.138e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

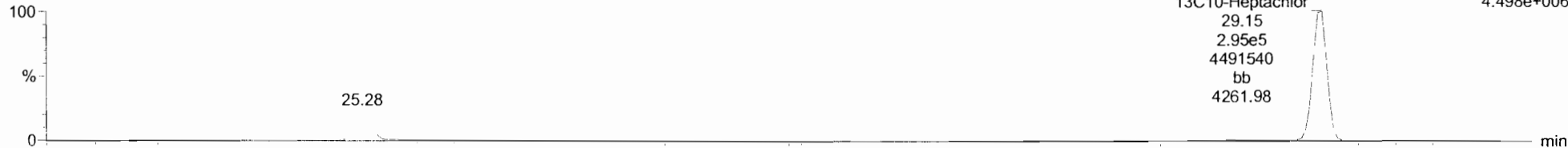
F2:Voltage SIR,EI+
273.8072
3.964e+006



13C10-Heptachlor

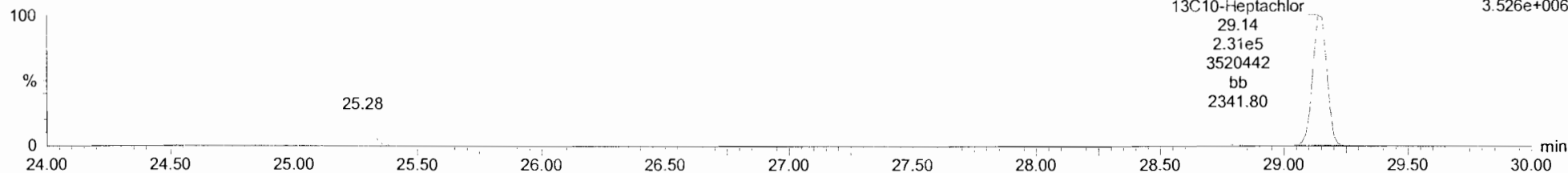
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
4.498e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
3.526e+006



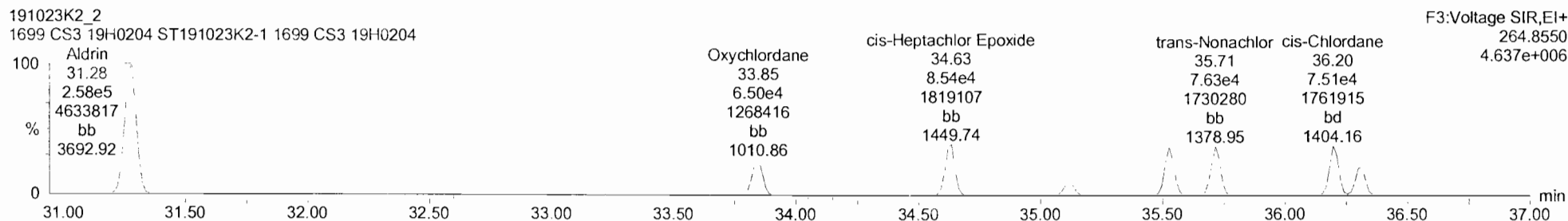
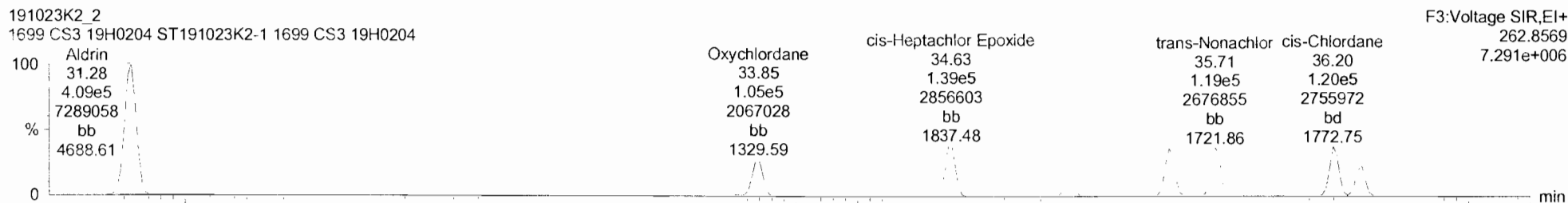
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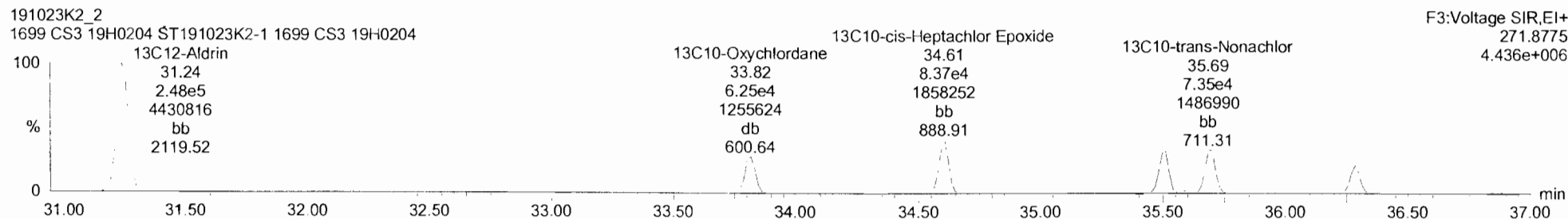
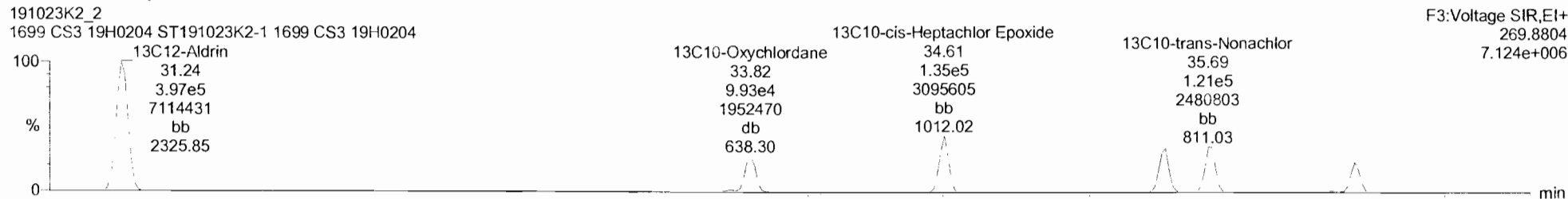
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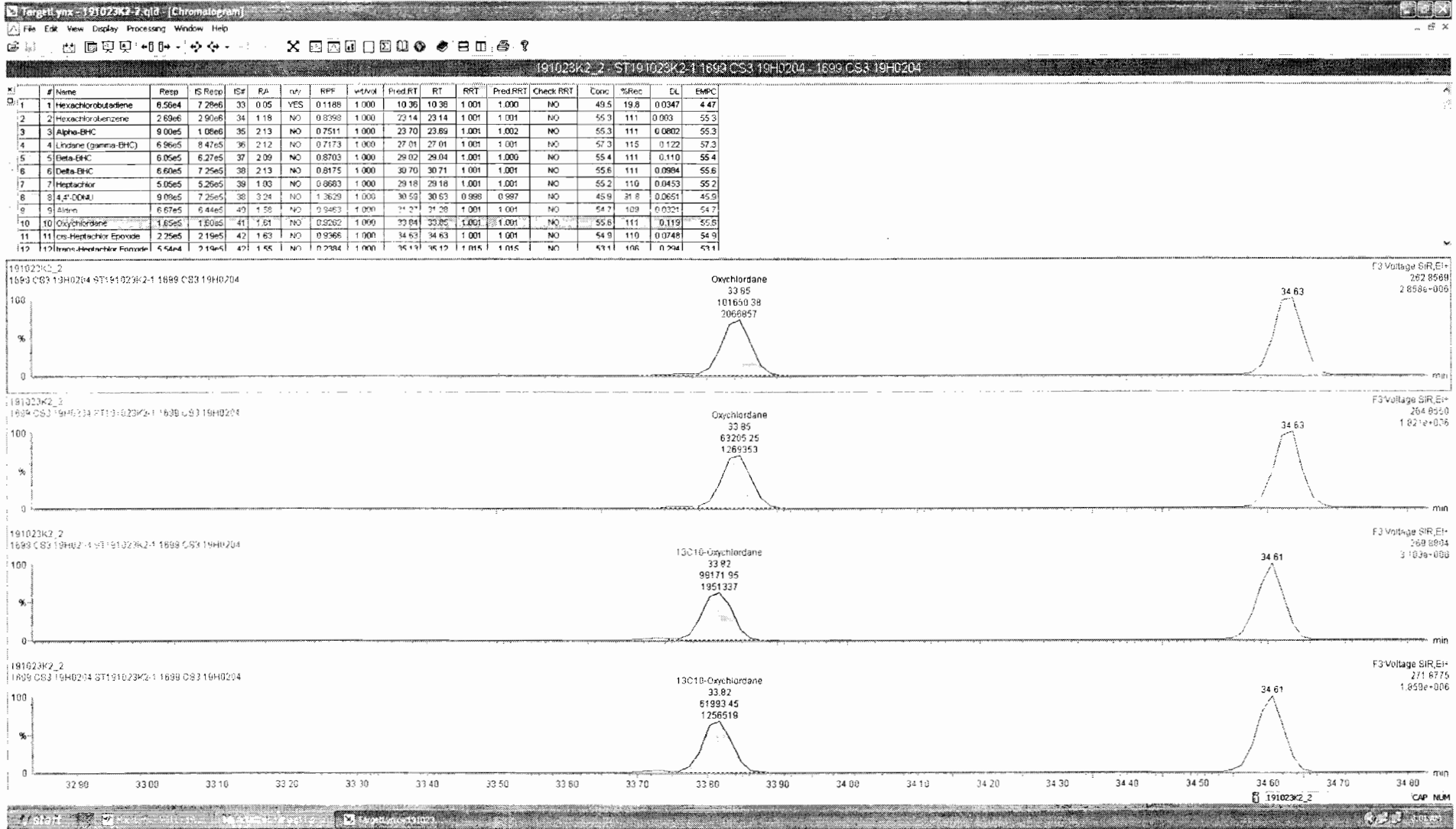
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Aldrin-EI



Aldrin-EI-isotopes





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

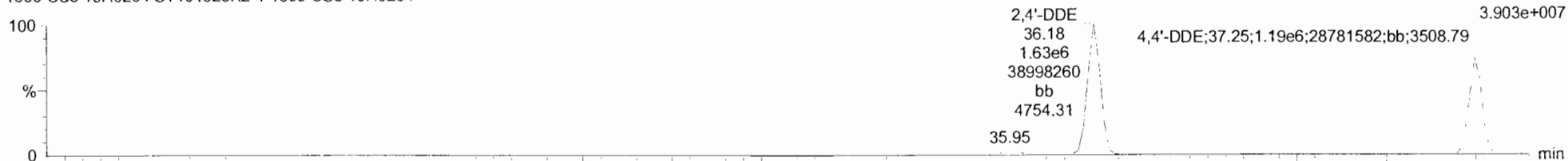
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DDMU-DDE

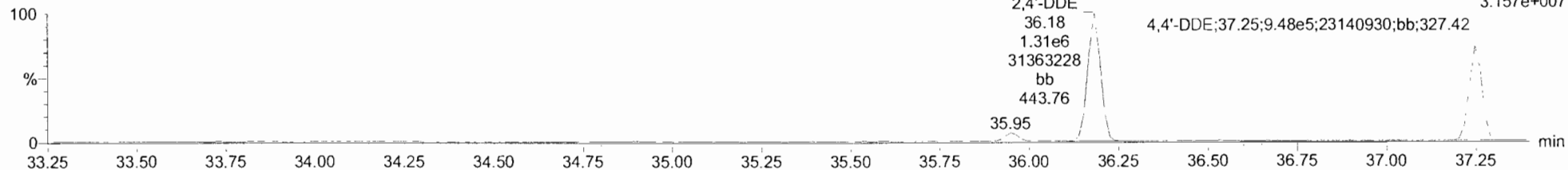
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
246.0003
3.903e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

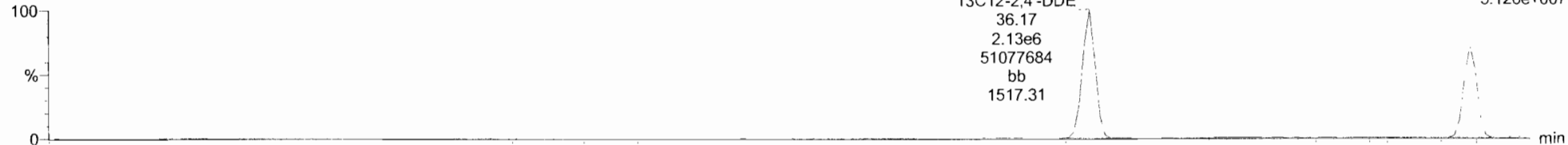
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3.157e+007



DDE-isotopes

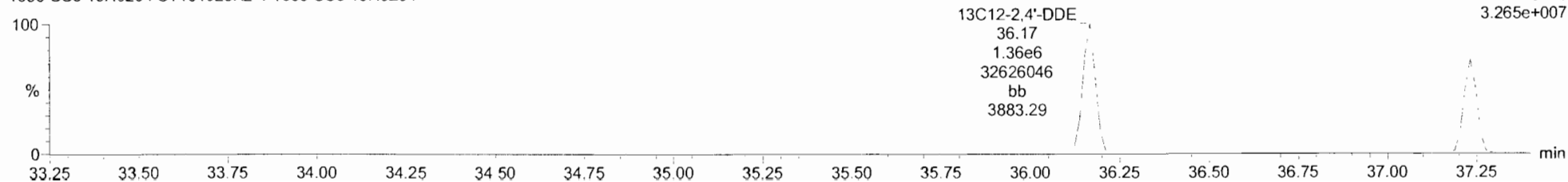
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
258.0406
5.126e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
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3.265e+007



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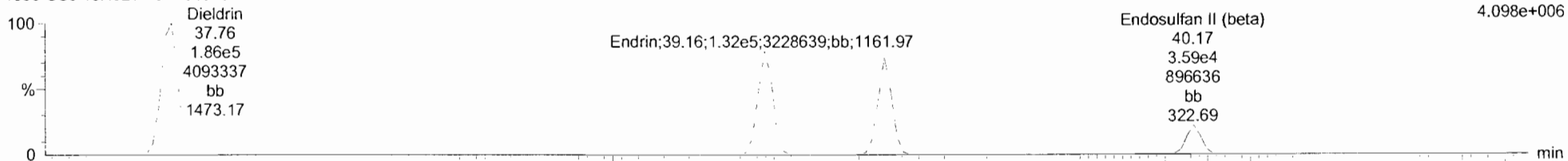
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Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-EII

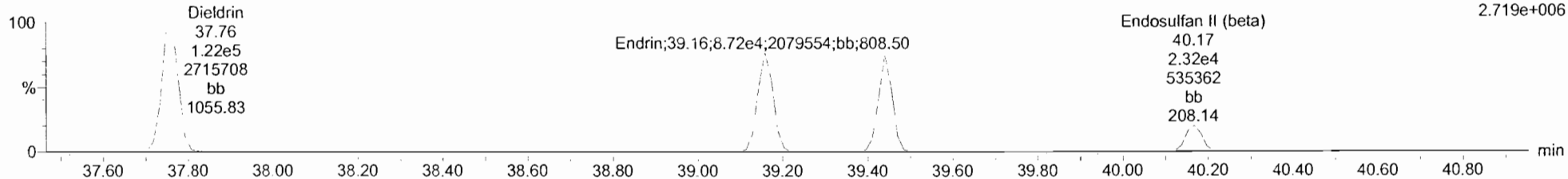
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
262.8569
4.098e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

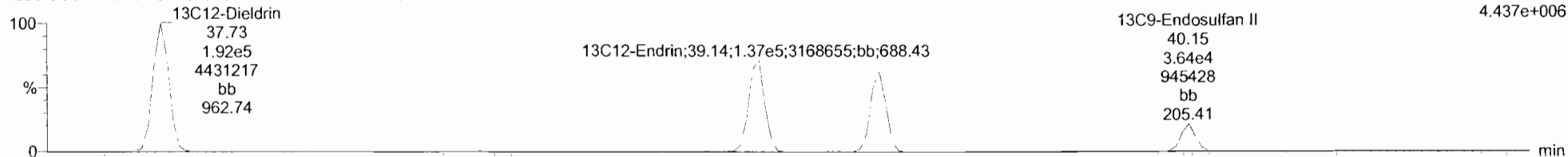
F4:Voltage SIR,EI+
264.8550
2.719e+006



Dieldrin-EII-isotopes

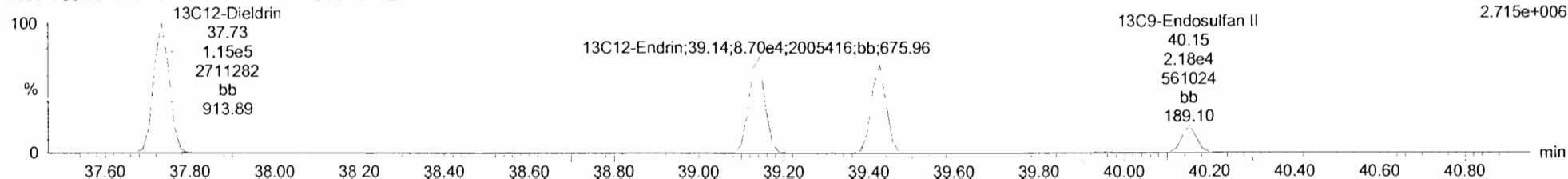
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
269.8804
4.437e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
271.8775
2.715e+006



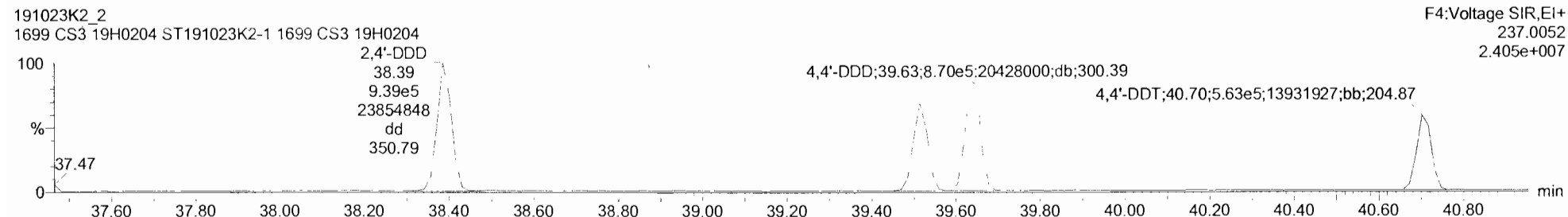
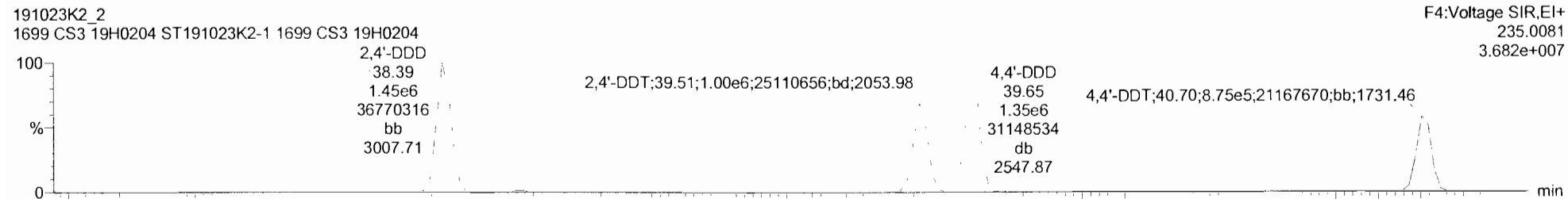
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Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

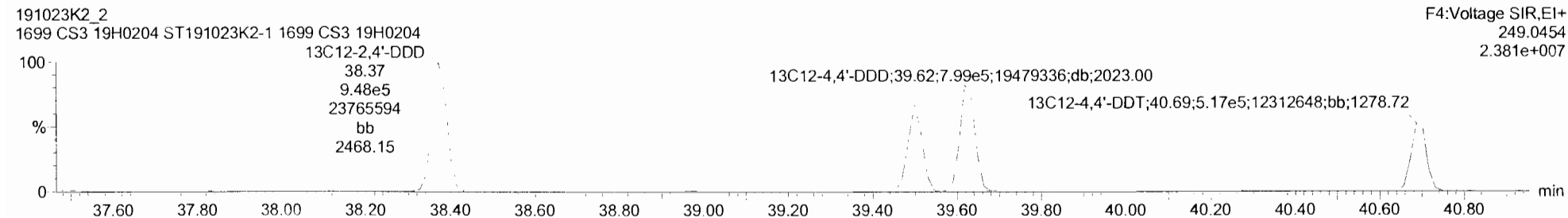
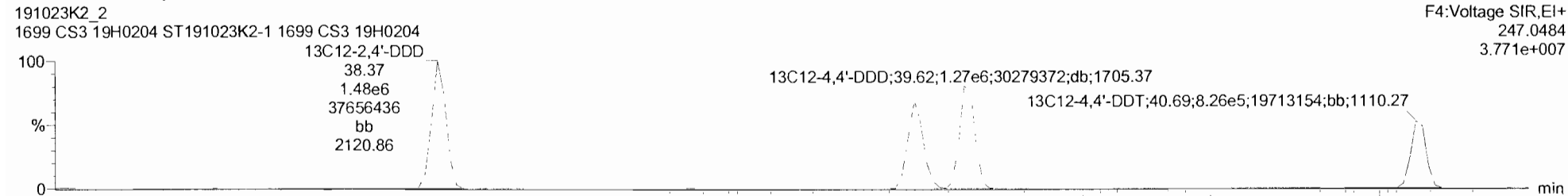
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

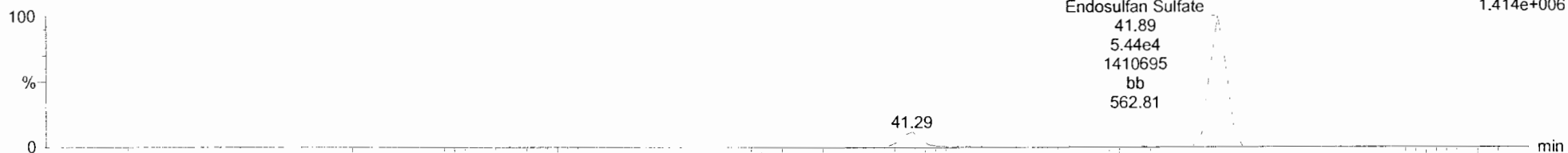
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

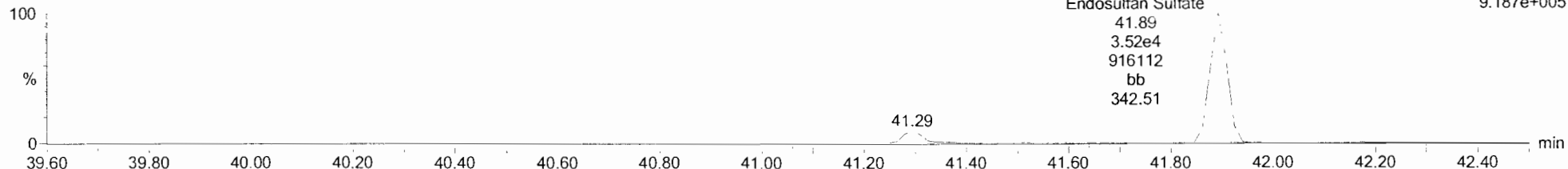
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
1.414e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

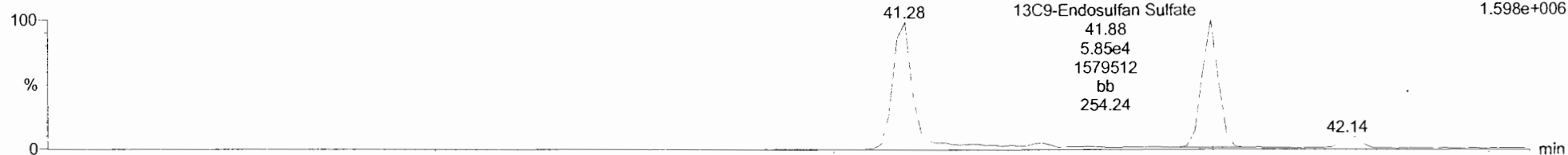
F5:Voltage SIR,EI+
264.8540
9.187e+005



13C9-Endosulfan Sulfate

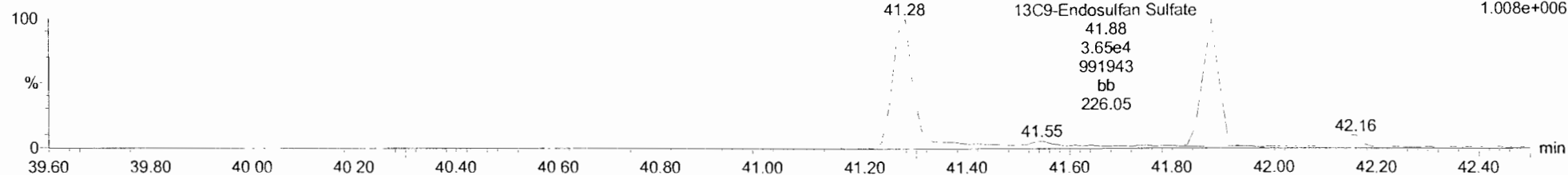
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
269.8804
1.598e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
1.008e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

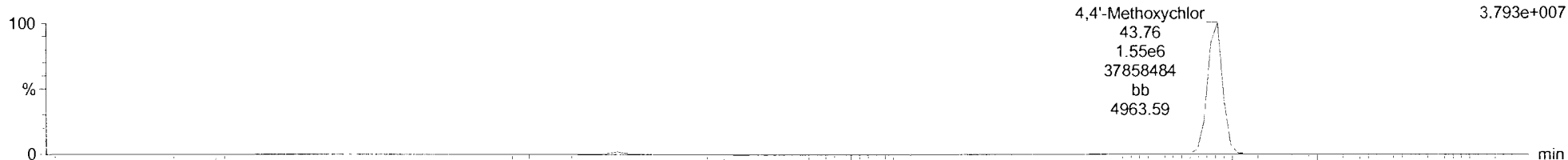
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

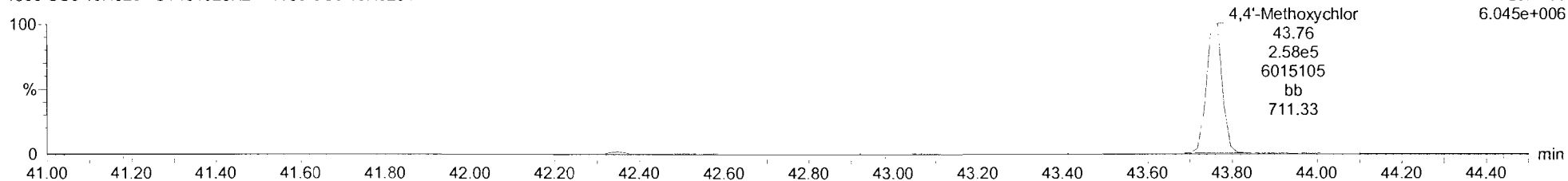
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
3.793e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

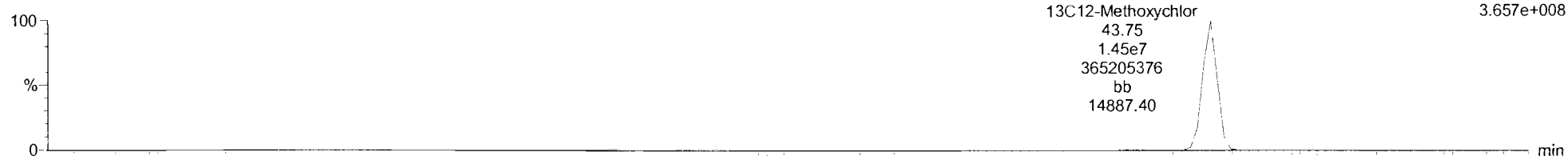
F5:Voltage SIR,EI+
228.1106
6.045e+006



13C12-Methoxychlor

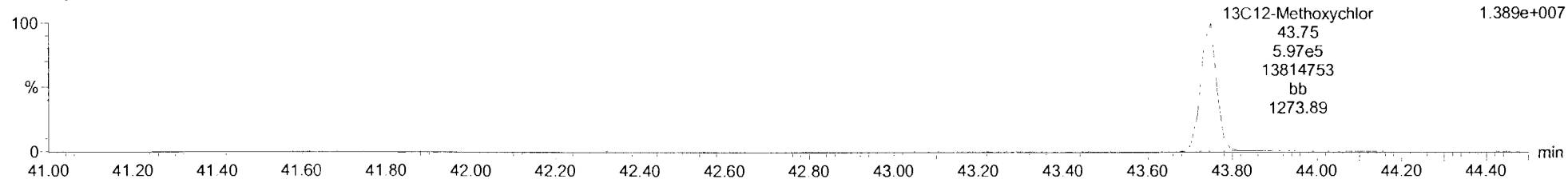
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
239.1475
3.657e+008



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
1.389e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

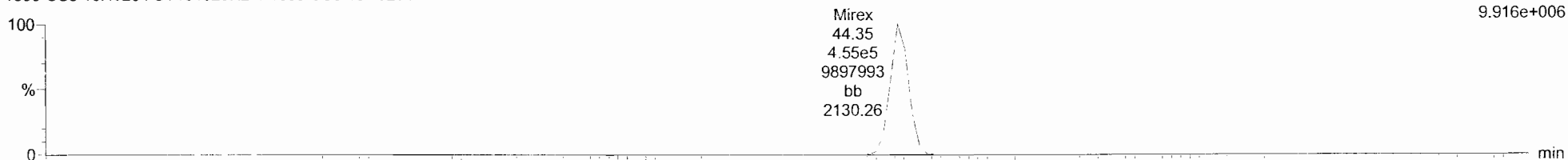
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Mirex

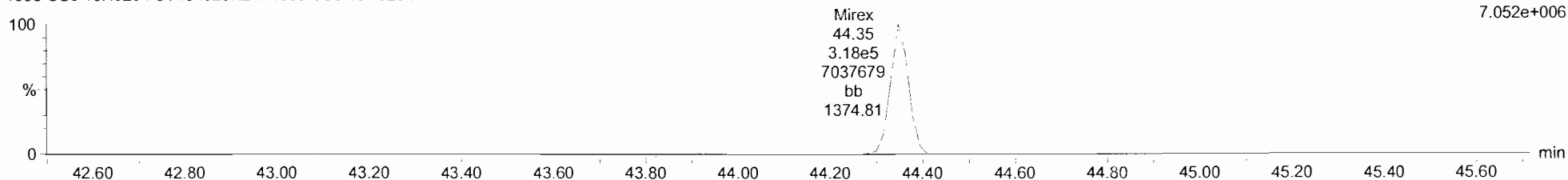
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
9.916e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

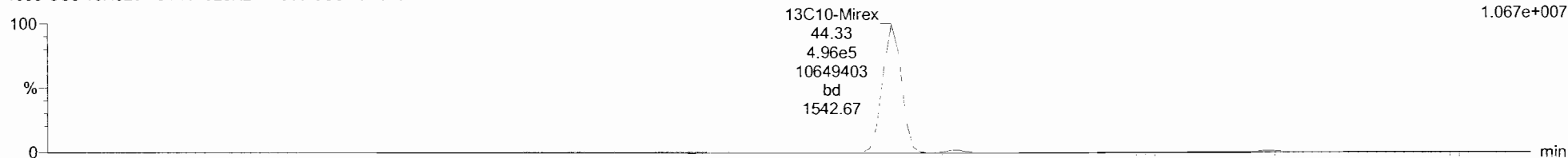
F5:Voltage SIR,EI+
238.8384
7.052e+006



13C10-Mirex

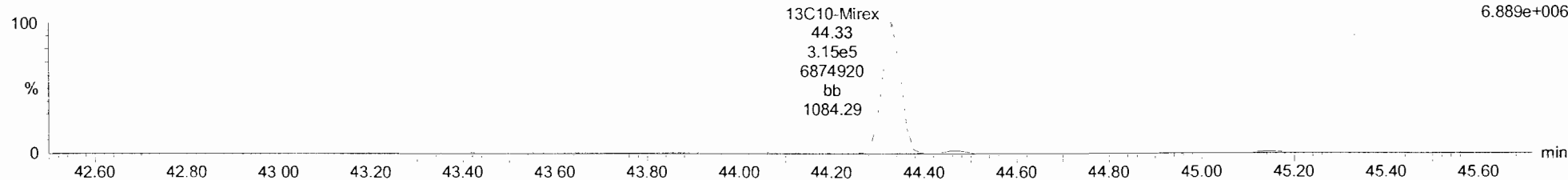
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
1.067e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
6.889e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

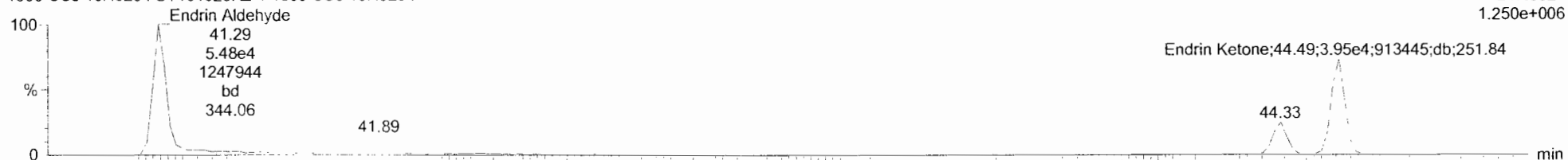
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

EA-EK

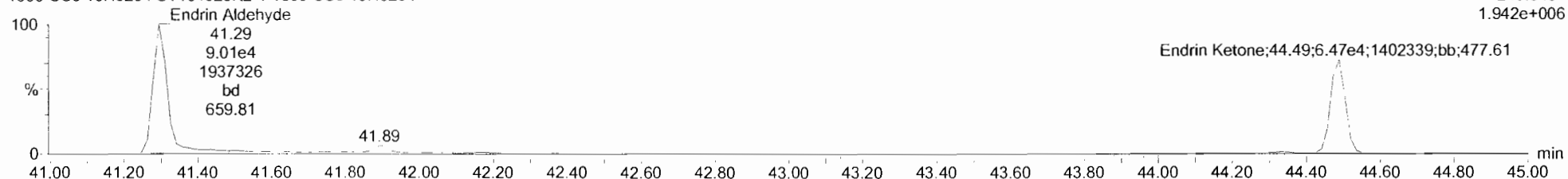
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
247.8521
1.250e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

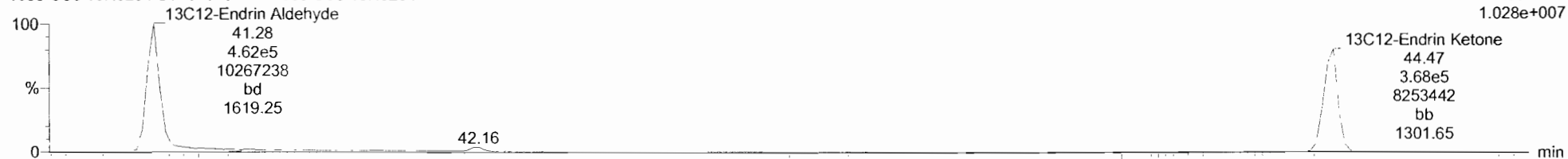
F5:Voltage SIR,EI+
249.8491
1.942e+006



EA-EK-isotopes

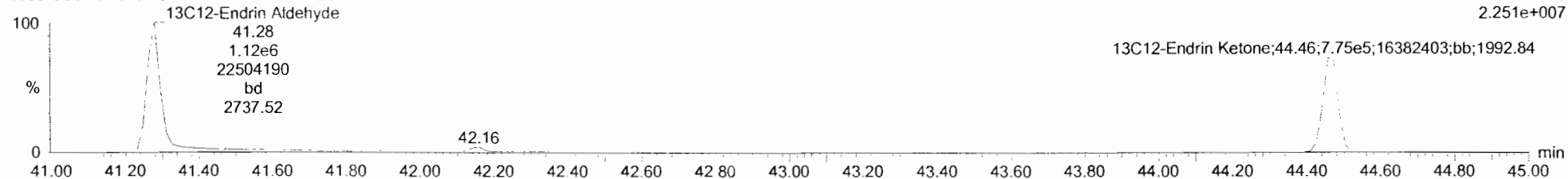
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

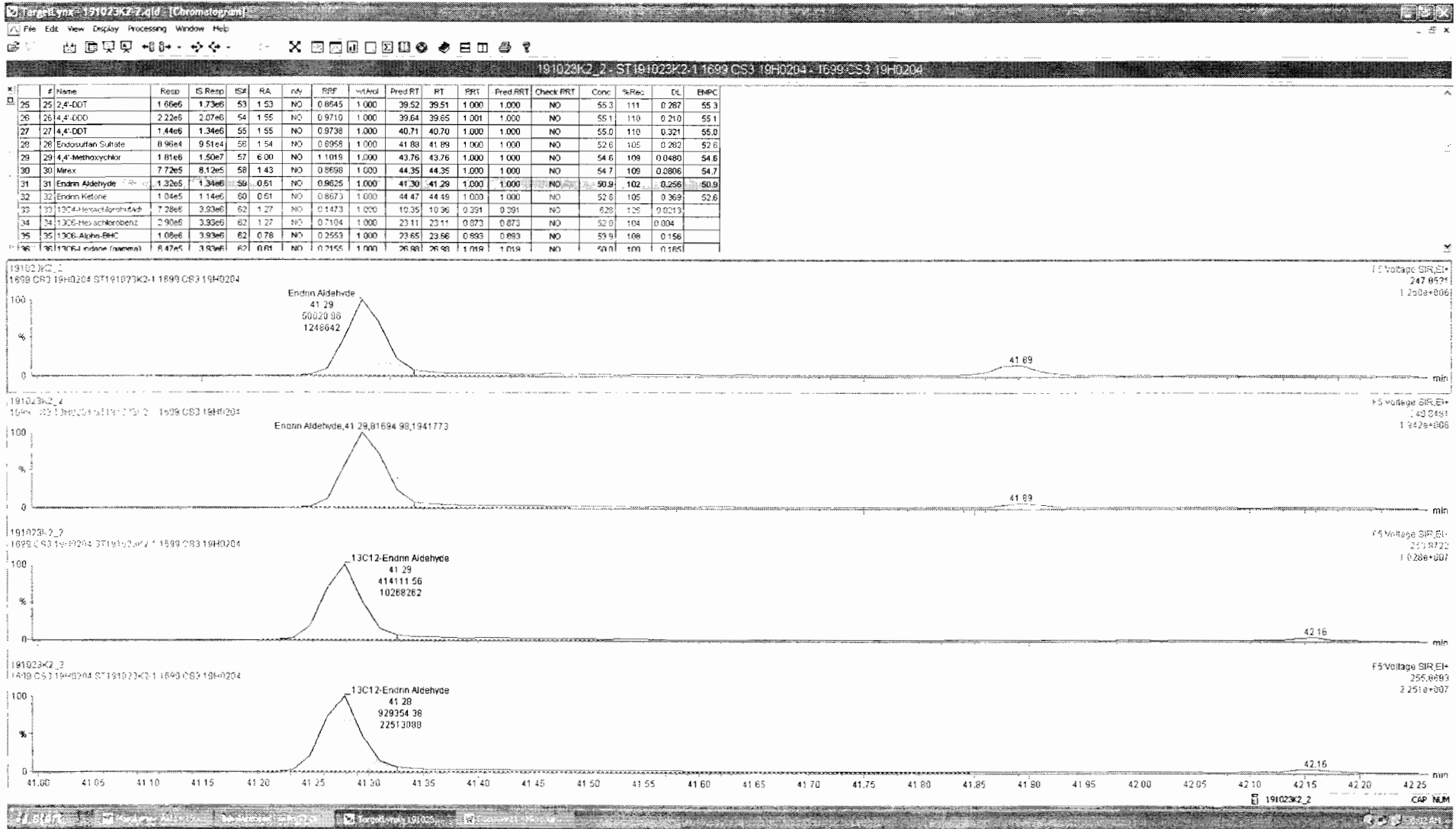
F5:Voltage SIR,EI+
253.8722
1.028e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
2.251e+007





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-15

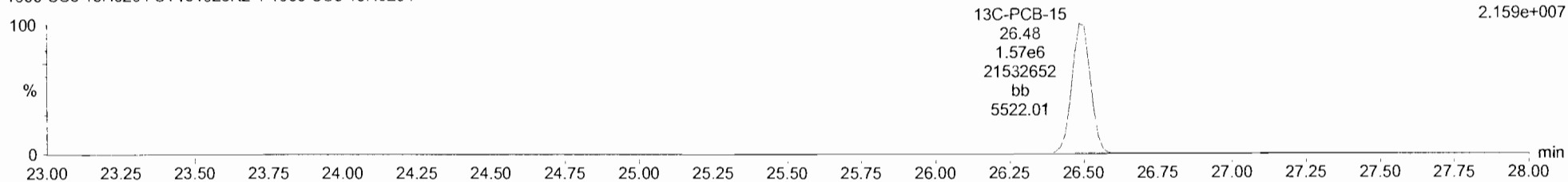
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
3.239e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

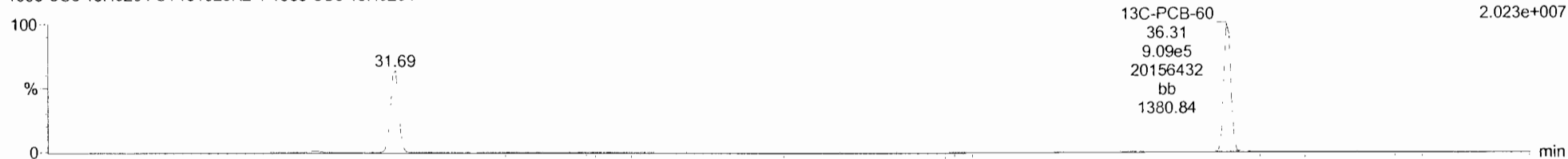
F2:Voltage SIR,EI+
236.0376
2.159e+007



13C-PCB-60

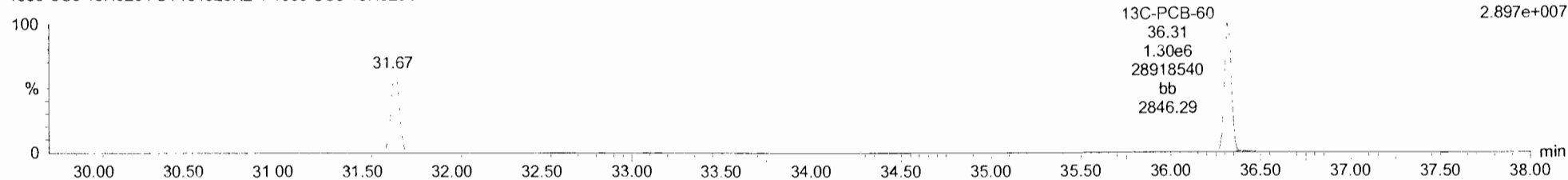
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
2.023e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
2.897e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

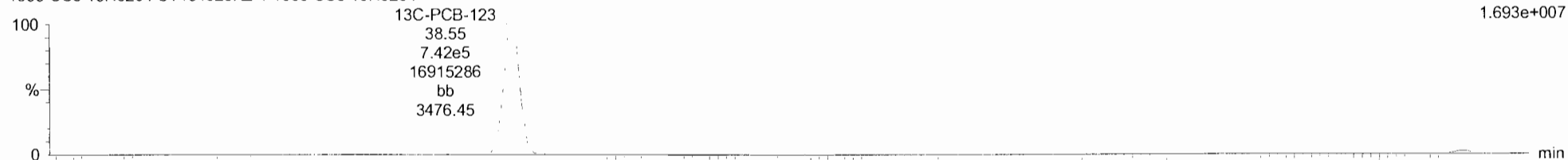
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

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13C-PCB-123

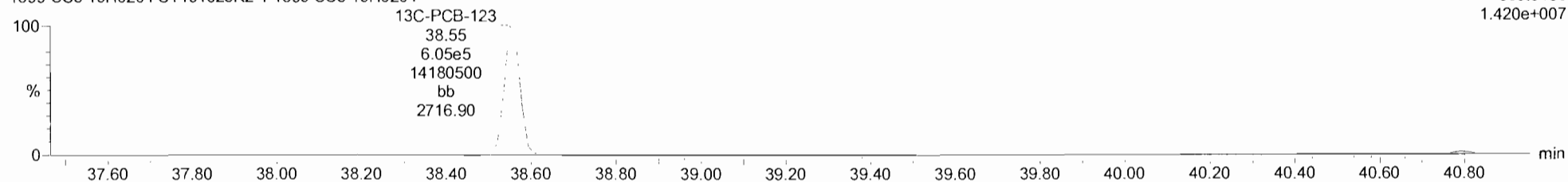
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
337.9210
1.693e+007



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

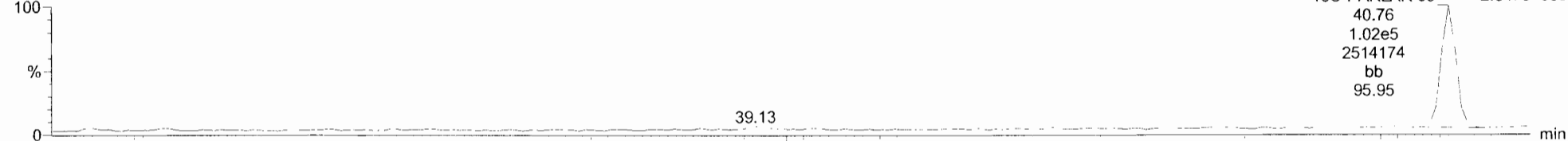
F4:Voltage SIR,EI+
339.9180
1.420e+007



13C-PARLAR 39

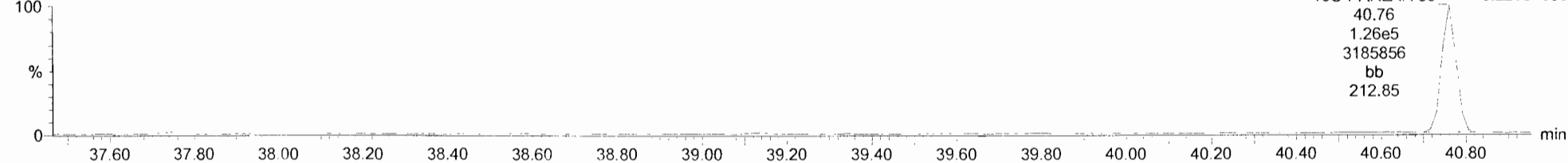
191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
251.9648
2.647e+006



191023K2_2
1699 CS3 19H0204 ST191023K2-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
253.9619
3.228e+006



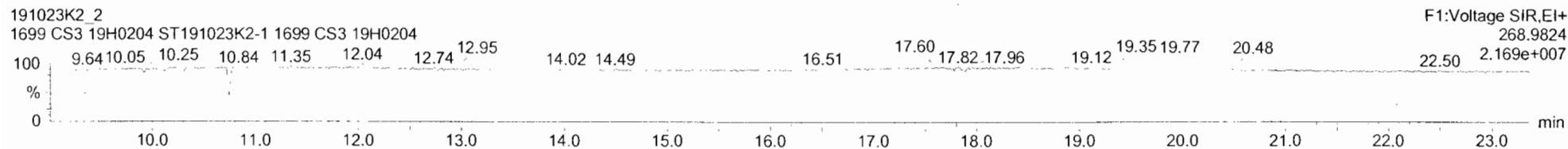
Dataset: Untitled

Last Altered: Thursday, October 24, 2019 07:59:04 Pacific Daylight Time

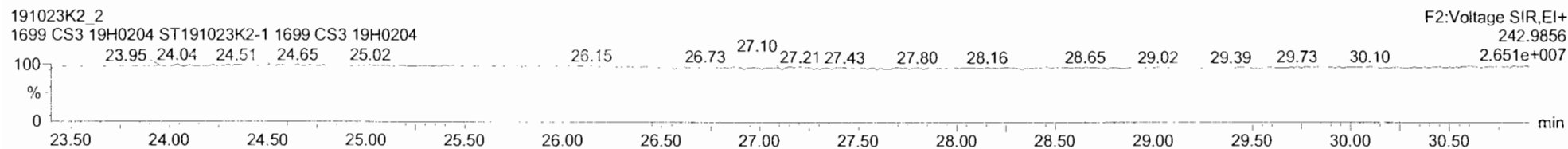
Printed: Thursday, October 24, 2019 08:00:09 Pacific Daylight Time

Name: 191023K2_2, Date: 23-Oct-2019, Time: 17:06:56, ID: ST191023K2-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

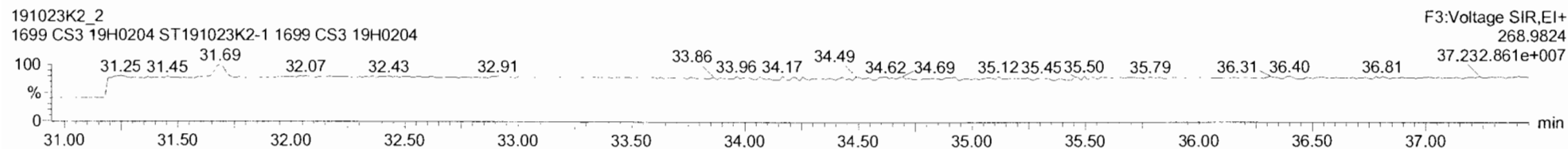
PFK1



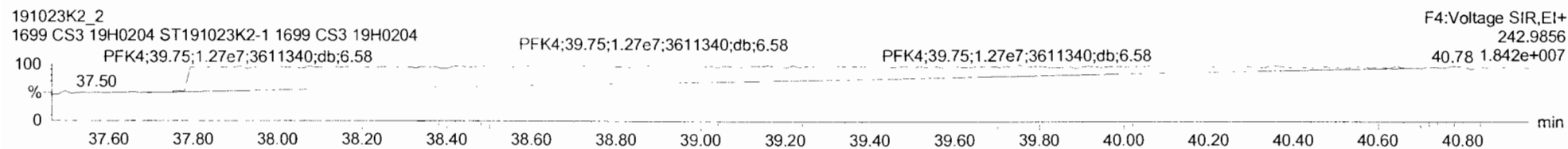
PFK2



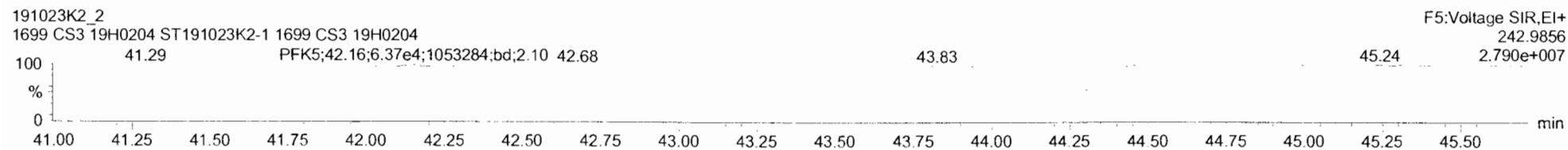
PFK3



PFK4

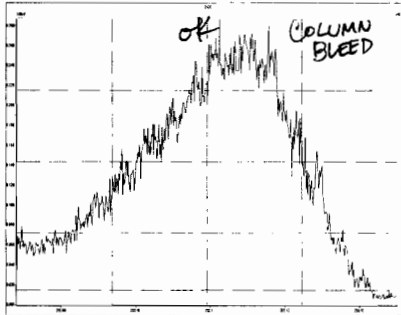


PFK5

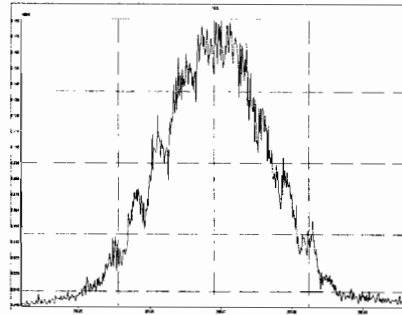


Printed: Thursday, October 24, 2019 05:36:07 Pacific Daylight Time

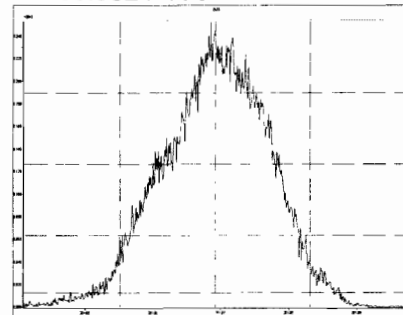
M 254.9856 R 0



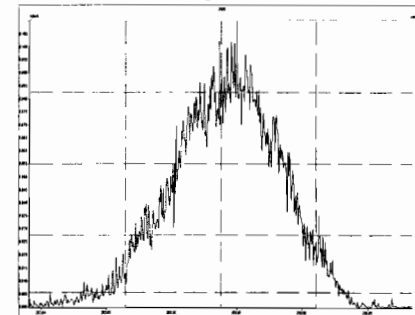
M 268.9824 R 7790



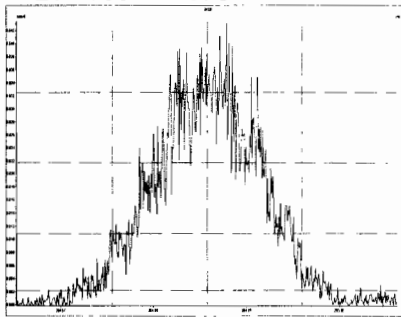
M 280.9824 R 8224



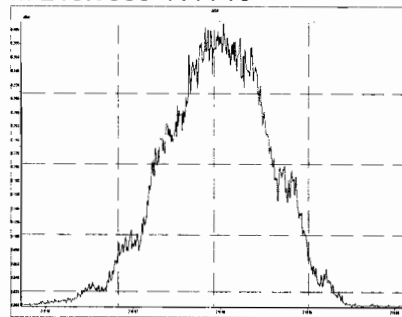
M 292.9824 R 8147



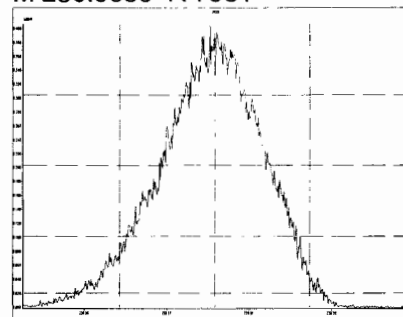
M 204.9888 R 8762



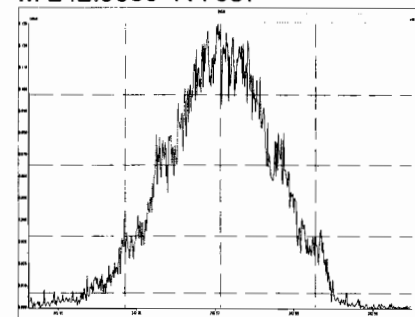
M 218.9856 R 7716



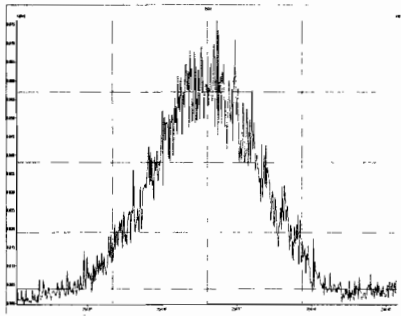
M 230.9856 R 7951



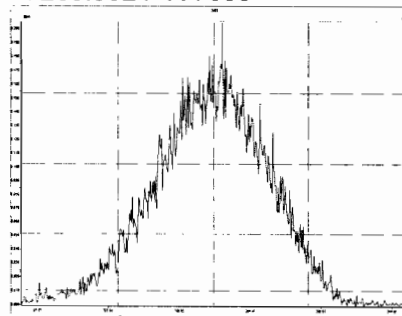
M 242.9856 R 7837



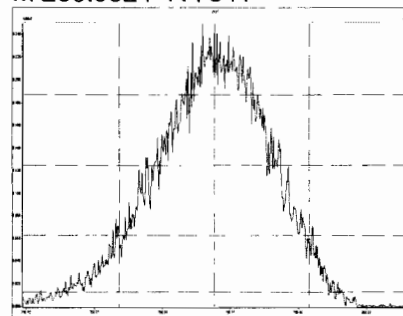
M 254.9856 R 8143



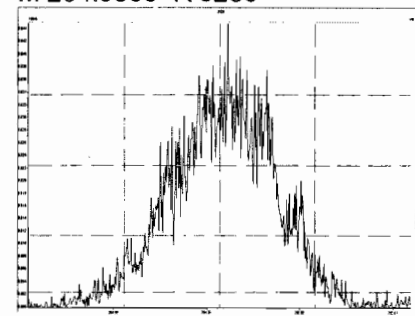
M 268.9824 R 7633



M 280.9824 R 7341

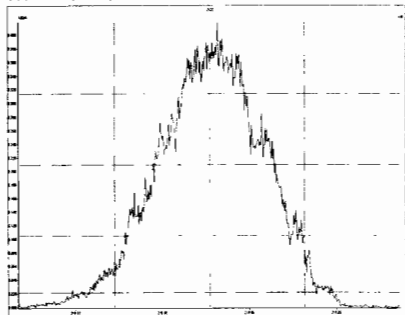


M 204.9888 R 9250

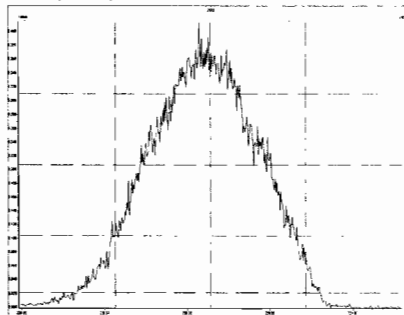


Printed: Thursday, October 24, 2019 05:36:07 Pacific Daylight Time

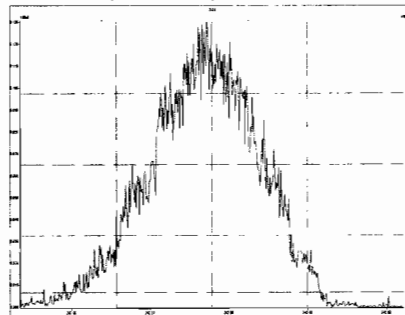
M 218.9856 R 7886



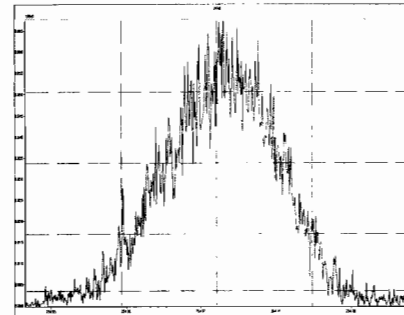
M 230.9856 R 7715



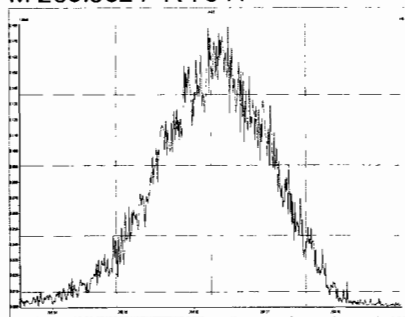
M 242.9856 R 7894



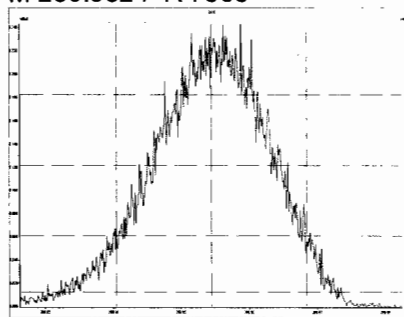
M 254.9856 R 8656



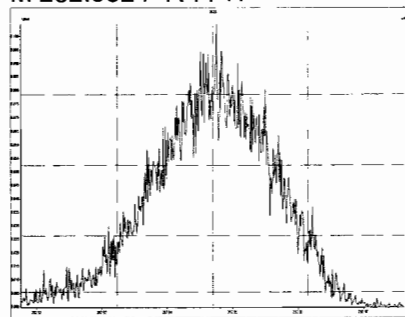
M 268.9824 R 7541



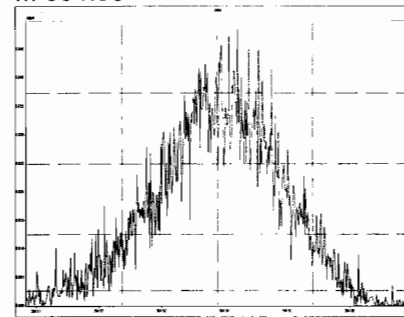
M 280.9824 R 7363



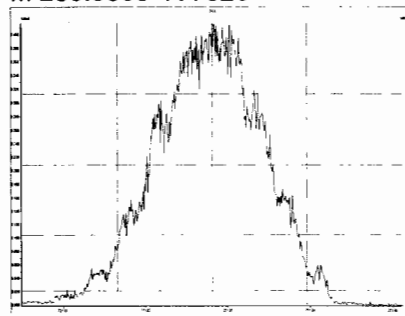
M 292.9824 R 7717



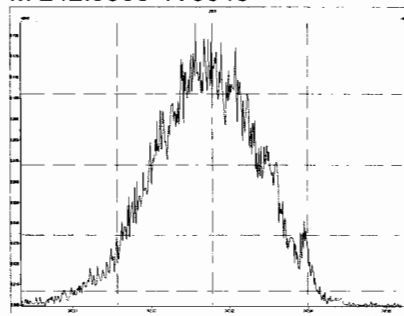
M 304.9824 R 7942



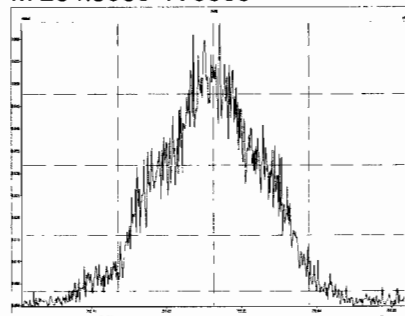
M 230.9856 R 7926



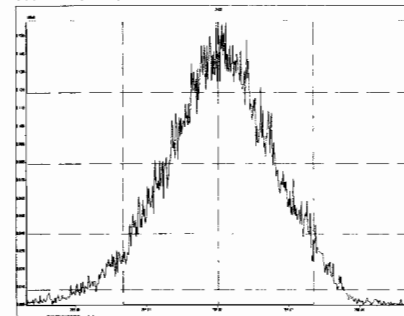
M 242.9856 R 8043



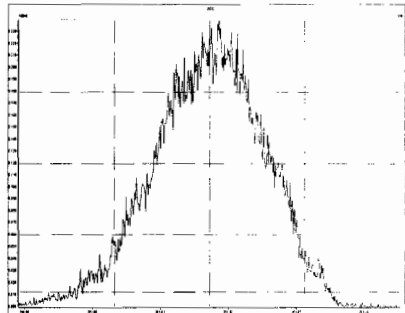
M 254.9856 R 8363



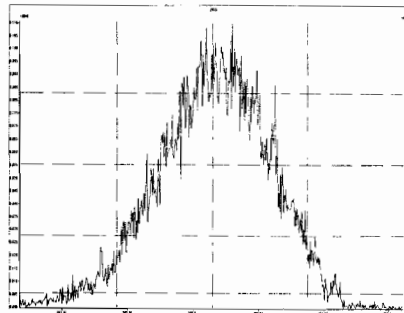
M 268.9824 R 7559



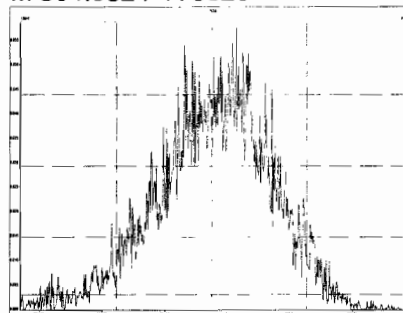
M 280.9824 R 7776



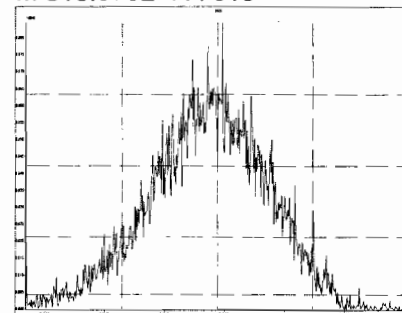
M 292.9824 R 7788



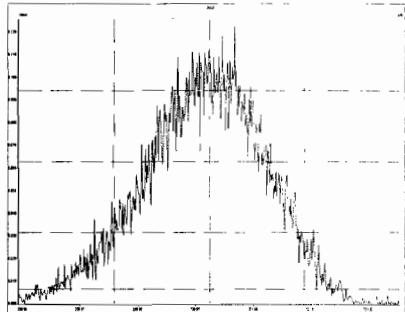
M 304.9824 R 8320



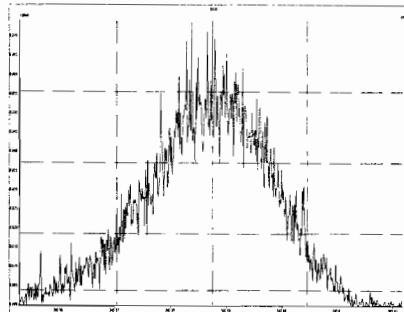
M 318.9792 R 7619



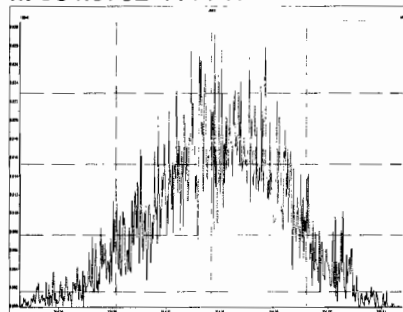
M 330.9792 R 7147



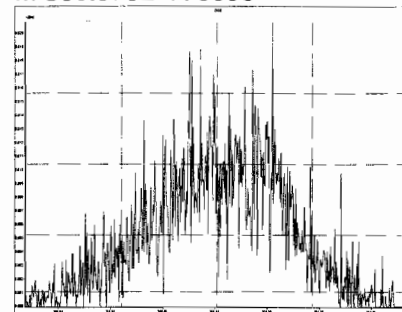
M 342.9792 R 7376



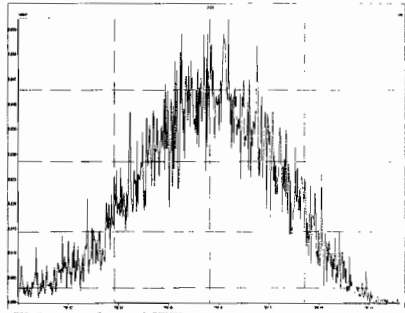
M 354.9792 R 7717



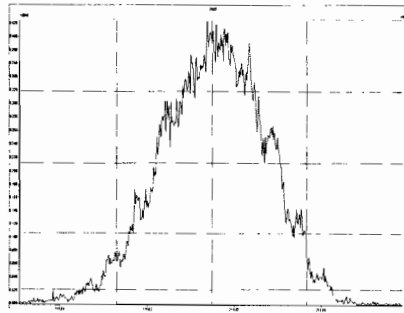
M 366.9792 R 8695



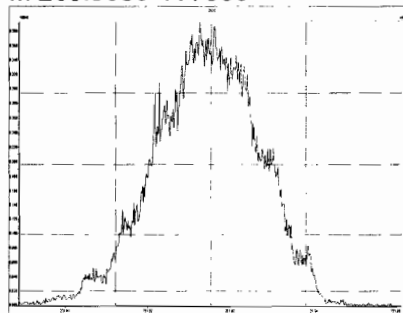
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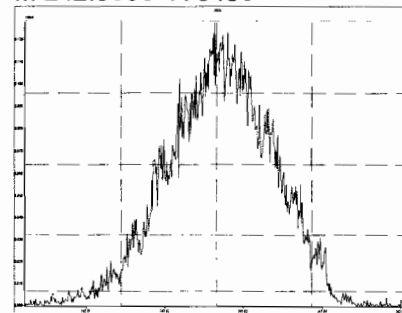
M 218.9856 R 8142



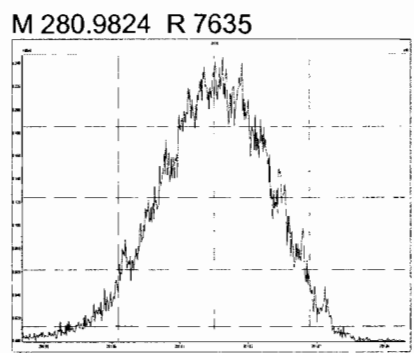
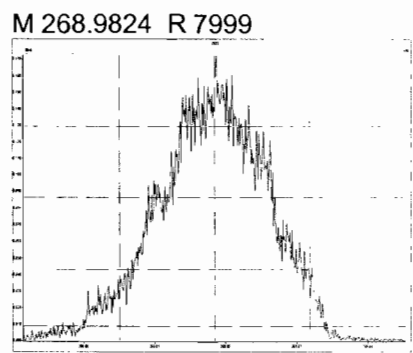
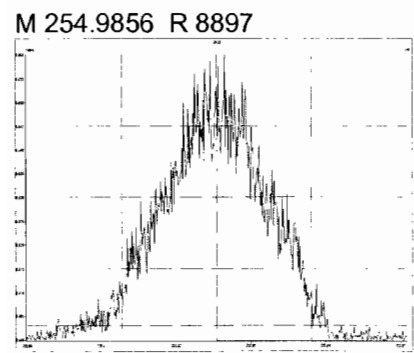
M 230.9856 R 7986



M 242.9856 R 8480



Printed: Thursday, October 24, 2019 05:36:07 Pacific Daylight Time



Dataset: U:\VG11.PRO\Results\191028K3\191028K3-2.qld

Last Altered: Tuesday, October 29, 2019 09:00:41 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 09:01:26 Pacific Daylight Time

Hz 10/29/19

GRB 10/29/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_10-28-19.mdb 28 Oct 2019 16:46:39

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.34e6	3.10	NO	1.02	1.000	15.24	15.25	1.001	1.001	NO	59.25	119 <i>75-175%</i>	0.00756	59.25
2	2 PCB-2	1.33e6	3.11	NO	1.01	1.000	17.62	17.62	0.988	0.988	NO	61.48	123	0.00853	61.48
3	3 PCB-3	1.35e6	3.11	NO	1.01	1.000	17.85	17.85	1.001	1.001	NO	62.56	125	0.00854	62.56
4	4 PCB-4/10	1.98e6	1.57	NO	1.28	1.000	19.26	19.26	1.004	1.004	NO	102.8	103	0.0321	102.8
5	5 PCB-7/9	2.43e6	1.57	NO	0.976	1.000	21.05	21.02	1.003	1.001	NO	103.7	104	0.0280	103.7
6	6 PCB-6	1.26e6	1.58	NO	1.02	1.000	21.69	21.69	1.033	1.033	NO	51.70	103	0.0269	51.70
7	7 PCB-5/8	2.57e6	1.58	NO	1.01	1.000	22.09	22.10	1.052	1.053	NO	105.9	106	0.0270	105.9
8	8 PCB-14	1.30e6	1.59	NO	1.03	1.000	23.25	23.22	0.952	0.951	NO	54.36	109	0.0287	54.36
9	9 PCB-11	1.35e6	1.59	NO	1.10	1.000	24.45	24.45	1.001	1.001	NO	53.12	106	0.0270	53.12
10	10 PCB-12/13	2.46e6	1.57	NO	1.04	1.000	24.87	24.81	1.018	1.016	NO	102.6	103	0.0285	102.6
11	11 PCB-15	1.27e6	1.60	NO	1.03	1.000	25.17	25.16	1.030	1.030	NO	53.32	107	0.0288	53.32
12	12 PCB-19	5.93e5	1.01	NO	0.934	1.000	23.41	23.41	1.001	1.001	NO	57.28	115	0.0171	57.28
13	13 PCB-30	9.04e5	0.99	NO	1.48	1.000	24.31	24.32	1.040	1.040	NO	55.10	110	0.0108	55.10
14	14 PCB-18	6.00e5	1.01	NO	0.693	1.000	25.08	25.08	0.951	0.951	NO	56.31	113	0.0165	56.31
15	15 PCB-17	5.59e5	1.04	NO	0.667	1.000	25.26	25.25	0.958	0.958	NO	54.47	109	0.0172	54.47
16	16 PCB-24/27	1.61e6	1.01	NO	0.915	1.000	25.86	25.85	0.981	0.981	NO	114.5	115	0.0125	114.5
17	17 PCB-16/32	1.40e6	1.01	NO	0.792	1.000	26.38	26.38	1.001	1.001	NO	115.3	115	0.0144	115.3
18	18 PCB-34	7.89e5	1.03	NO	0.987	1.000	27.20	27.20	0.959	0.959	NO	42.38	84.8	0.0414	42.38
19	19 PCB-23	8.90e5	1.06	NO	0.974	1.000	27.30	27.29	0.962	0.962	NO	48.48	97.0	0.0420	48.48
20	20 PCB-29	7.84e5	1.06	NO	0.953	1.000	27.53	27.53	0.970	0.970	NO	43.61	87.2	0.0429	43.61
21	21 PCB-26	8.71e5	1.05	NO	1.00	1.000	27.77	27.75	0.979	0.978	NO	46.15	92.3	0.0409	46.15
22	22 PCB-25	8.34e5	1.01	NO	0.978	1.000	27.92	27.92	0.984	0.984	NO	45.21	90.4	0.0418	45.21
23	23 PCB-31	9.31e5	1.04	NO	1.12	1.000	28.30	28.29	0.998	0.997	NO	43.96	87.9	0.0364	43.96
24	24 PCB-28	1.03e6	1.05	NO	1.11	1.000	28.39	28.39	1.001	1.001	NO	49.56	99.1	0.0370	49.56
25	25 PCB-20/21/33	2.57e6	1.05	NO	1.00	1.000	29.02	29.02	1.023	1.023	NO	135.8	90.6	0.0408	135.8
26	26 PCB-22	1.01e6	1.04	NO	1.03	1.000	29.49	29.47	1.039	1.039	NO	51.66	103	0.0396	51.66
27	27 PCB-36	9.39e5	1.06	NO	1.18	1.000	30.10	30.12	0.930	0.931	NO	49.66	99.3	0.0416	49.66
28	28 PCB-39	8.71e5	1.06	NO	1.08	1.000	30.58	30.60	0.945	0.946	NO	49.96	99.9	0.0452	49.96
29	29 PCB-38	9.49e5	1.06	NO	1.13	1.000	31.38	31.38	0.970	0.970	NO	52.33	105	0.0434	52.33
30	30 PCB-35	8.55e5	1.07	NO	1.13	1.000	31.92	31.92	0.987	0.987	NO	46.97	93.9	0.0433	46.97
31	31 PCB-37	8.84e5	1.05	NO	1.11	1.000	32.39	32.37	1.001	1.001	NO	49.71	99.4	0.0443	49.71
32	32 PCB-54	7.94e5	0.73	NO	0.996	1.000	27.23	27.23	1.001	1.001	NO	52.50	105	0.0176	52.50

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-2.qld

Last Altered: Tuesday, October 29, 2019 09:00:41 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 09:01:26 Pacific Daylight Time

Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	5.95e5	0.73	NO	0.781	1.000	28.45	28.44	1.045	1.045	NO	50.10	100	0.0224	50.10
34	34 PCB-53	5.68e5	0.74	NO	0.955	1.000	29.12	29.09	0.943	0.943	NO	52.66	105	0.0256	52.66
35	35 PCB-51	6.67e5	0.73	NO	1.02	1.000	29.46	29.45	0.955	0.954	NO	57.67	115	0.0239	57.67
36	36 PCB-45	4.73e5	0.73	NO	0.808	1.000	29.89	29.89	0.969	0.969	NO	51.83	104	0.0303	51.83
37	37 PCB-46	4.47e5	0.73	NO	0.754	1.000	30.40	30.40	0.985	0.985	NO	52.56	105	0.0325	52.56
38	38 PCB-52/69	1.29e6	0.74	NO	1.09	1.000	30.90	30.90	1.001	1.001	NO	104.2	104	0.0224	104.2
39	39 PCB-73	7.61e5	0.74	NO	1.29	1.000	31.02	31.01	1.005	1.005	NO	52.21	104	0.0190	52.21
40	40 PCB-43/49	1.08e6	0.73	NO	0.940	1.000	31.18	31.18	1.010	1.010	NO	101.7	102	0.0260	101.7
41	41 PCB-47	5.34e5	0.73	NO	0.869	1.000	31.38	31.40	1.001	1.001	NO	52.54	105	0.0269	52.54
42	42 PCB-48/75	1.26e6	0.73	NO	1.02	1.000	31.49	31.51	1.004	1.005	NO	105.0	105	0.0228	105.0
43	43 PCB-65	6.81e5	0.75	NO	1.11	1.000	31.76	31.77	1.013	1.013	NO	52.51	105	0.0211	52.51
44	44 PCB-62	6.50e5	0.75	NO	1.07	1.000	31.87	31.89	1.016	1.017	NO	52.17	104	0.0220	52.17
45	45 PCB-44	4.41e5	0.75	NO	0.761	1.000	32.20	32.20	1.027	1.027	NO	49.54	99.1	0.0307	49.54
46	46 PCB-42/59	1.20e6	0.74	NO	0.960	1.000	32.41	32.44	1.033	1.034	NO	107.0	107	0.0244	107.0
47	47 PCB-41/64/71/72	2.73e6	0.75	NO	1.08	1.000	33.02	33.04	1.053	1.053	NO	215.6	108	0.0216	215.6
48	48 PCB-68	7.01e5	0.74	NO	1.11	1.000	33.31	33.32	1.062	1.062	NO	54.09	108	0.0211	54.09
49	49 PCB-40	3.25e5	0.74	NO	0.577	1.000	33.52	33.52	1.069	1.069	NO	48.26	96.5	0.0406	48.26
50	50 PCB-57	7.41e5	0.74	NO	1.05	1.000	33.89	33.91	0.969	0.969	NO	55.08	110	0.0203	55.08
51	51 PCB-67	6.85e5	0.73	NO	0.993	1.000	34.21	34.23	0.978	0.978	NO	53.75	107	0.0214	53.75
52	52 PCB-58	7.20e5	0.74	NO	1.11	1.000	34.34	34.34	0.981	0.981	NO	50.38	101	0.0191	50.38
53	53 PCB-63	6.65e5	0.74	NO	0.962	1.000	34.49	34.51	0.986	0.986	NO	53.82	108	0.0221	53.82
54	54 PCB-74	7.34e5	0.73	NO	1.07	1.000	34.80	34.79	0.994	0.994	NO	53.60	107	0.0200	53.60
55	55 PCB-61/70	1.36e6	0.75	NO	0.986	1.000	35.01	35.01	1.000	1.001	NO	107.0	107	0.0216	107.0
56	56 PCB-76/66	1.50e6	0.74	NO	1.07	1.000	35.17	35.22	1.005	1.006	NO	109.9	110	0.0200	109.9
57	57 PCB-80	7.94e5	0.74	NO	1.08	1.000	35.46	35.46	1.001	1.001	NO	52.70	105	0.0180	52.70
58	58 PCB-55	7.74e5	0.74	NO	1.07	1.000	35.78	35.78	1.010	1.009	NO	52.13	104	0.0183	52.13
59	59 PCB-56/60	1.40e6	0.75	NO	0.934	1.000	36.30	36.28	1.024	1.024	NO	107.5	107	0.0209	107.5
60	60 PCB-79	7.89e5	0.75	NO	1.04	1.000	37.39	37.39	1.055	1.055	NO	54.35	109	0.0187	54.35
61	61 PCB-78	7.07e5	0.74	NO	1.03	1.000	38.11	38.10	0.987	0.987	NO	54.40	109	0.0217	54.40
62	62 PCB-81	6.40e5	0.75	NO	0.933	1.000	38.64	38.64	1.000	1.000	NO	54.47	109	0.0241	54.47
63	63 PCB-77	6.94e5	0.73	NO	1.03	1.000	39.26	39.26	1.000	1.000	NO	55.28	111	0.0228	55.28
64	64 PCB-104	5.70e5	1.53	NO	0.995	1.000	32.05	32.05	1.001	1.001	NO	53.92	108	0.0162	53.92
65	65 PCB-96	5.53e5	1.53	NO	0.996	1.000	33.35	33.35	1.041	1.041	NO	52.25	105	0.0161	52.25
66	66 PCB-103	4.11e5	1.59	NO	0.774	1.000	33.91	33.91	1.059	1.059	NO	49.95	99.9	0.0208	49.95
67	67 PCB-100	4.25e5	1.54	NO	0.778	1.000	34.28	34.29	1.070	1.070	NO	51.36	103	0.0207	51.36
68	68 PCB-94	3.37e5	1.54	NO	0.773	1.000	34.80	34.77	0.985	0.985	NO	52.23	104	0.0278	52.23

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-2.qld

Last Altered: Tuesday, October 29, 2019 09:00:41 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 09:01:26 Pacific Daylight Time

Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check.RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.35e6	1.53	NO	1.01	1.000	35.26	35.25	0.999	0.998	NO	158.8	106	0.0212	158.8
70	70 PCB-93	3.55e5	1.53	NO	0.841	1.000	35.39	35.38	1.002	1.002	NO	50.49	101	0.0256	50.49
71	71 PCB-88/91	7.42e5	1.52	NO	0.890	1.000	35.73	35.72	1.012	1.012	NO	99.85	99.8	0.0242	99.85
72	72 PCB-121	6.03e5	1.53	NO	1.39	1.000	35.85	35.83	1.015	1.015	NO	52.10	104	0.0155	52.10
73	73 PCB-84/92	7.33e5	1.55	NO	0.879	1.000	36.68	36.67	0.990	0.990	NO	101.0	101	0.0240	101.0
74	74 PCB-89	4.24e5	1.55	NO	0.959	1.000	36.85	36.85	0.995	0.995	NO	53.58	107	0.0220	53.58
75	75 PCB-90/101	8.13e5	1.55	NO	0.944	1.000	37.06	37.06	1.000	1.001	NO	104.3	104	0.0224	104.3
76	76 PCB-113	5.27e5	1.54	NO	1.23	1.000	37.30	37.30	1.007	1.007	NO	51.87	104	0.0172	51.87
77	77 PCB-99	4.66e5	1.56	NO	1.12	1.000	37.40	37.39	1.010	1.010	NO	50.42	101	0.0189	50.42
78	78 PCB-119	5.30e5	1.56	NO	1.47	1.000	37.88	37.88	0.987	0.987	NO	53.51	107	0.0176	53.51
79	79 PCB-108/112	8.97e5	1.53	NO	1.25	1.000	38.04	38.04	0.991	0.991	NO	106.7	107	0.0207	106.7
80	80 PCB-83	5.46e5	1.53	NO	1.55	1.000	38.19	38.19	0.995	0.995	NO	52.47	105	0.0167	52.47
81	81 PCB-97	3.96e5	1.50	NO	1.07	1.000	38.42	38.40	1.001	1.000	NO	54.70	109	0.0241	54.70
82	82 PCB-86	3.35e5	1.55	NO	0.996	1.000	38.56	38.57	1.005	1.005	NO	50.05	100	0.0260	50.05
83	83 PCB-87/117/125	1.45e6	1.53	NO	1.33	1.000	38.67	38.70	1.008	1.008	NO	161.7	108	0.0194	161.7
84	84 PCB-111/115	1.21e6	1.52	NO	1.60	1.000	38.84	38.85	1.012	1.012	NO	112.0	112	0.0162	112.0
85	85 PCB-85/116	8.40e5	1.52	NO	1.22	1.000	38.96	38.97	1.015	1.016	NO	102.6	103	0.0213	102.6
86	86 PCB-120	6.13e5	1.53	NO	1.68	1.000	39.22	39.24	1.022	1.022	NO	54.18	108	0.0154	54.18
87	87 PCB-110	5.11e5	1.57	NO	1.49	1.000	39.37	39.38	1.026	1.026	NO	51.05	102	0.0174	51.05
88	88 PCB-82	3.10e5	1.55	NO	0.674	1.000	40.02	40.02	0.976	0.976	NO	51.93	104	0.0303	51.93
89	89 PCB-124	5.56e5	1.53	NO	1.16	1.000	40.72	40.74	0.993	0.993	NO	53.95	108	0.0176	53.95
90	90 PCB-107/109	1.06e6	1.54	NO	1.17	1.000	40.87	40.87	0.996	0.996	NO	103.1	103	0.0175	103.1
91	91 PCB-123	4.90e5	1.51	NO	1.04	1.000	41.04	41.06	1.000	1.001	NO	53.17	106	0.0196	53.17
92	92 PCB-106/118	1.09e6	1.52	NO	1.07	1.000	41.26	41.26	1.001	1.001	NO	106.6	107	0.0178	106.6
93	93 PCB-114	6.20e5	1.55	NO	1.16	1.000	41.90	41.90	1.000	1.000	NO	49.12	98.2	0.0299	49.12
94	94 PCB-122	5.46e5	1.56	NO	0.973	1.000	42.03	42.05	1.003	1.004	NO	51.60	103	0.0357	51.60
95	95 PCB-105	6.31e5	1.56	NO	1.10	1.000	42.79	42.79	1.000	1.000	NO	52.54	105	0.0313	52.54
96	96 PCB-127	6.40e5	1.58	NO	1.11	1.000	43.15	43.15	1.000	1.000	NO	52.78	106	0.0310	52.78
97	97 PCB-126	6.49e5	1.59	NO	1.21	1.000	45.10	45.10	1.000	1.000	NO	53.58	107	0.0319	53.58
98	98 PCB-155	3.53e5	1.22	NO	0.874	1.000	36.59	36.59	1.000	1.000	NO	53.65	107	0.00704	53.65
99	99 PCB-150	3.59e5	1.26	NO	0.881	1.000	37.90	37.90	1.036	1.036	NO	54.26	109	0.00699	54.26
100	1... PCB-152	4.16e5	1.25	NO	1.00	1.000	38.40	38.38	1.050	1.049	NO	55.08	110	0.00613	55.08
101	1... PCB-145	4.09e5	1.27	NO	1.00	1.000	38.85	38.85	1.062	1.062	NO	54.39	109	0.00616	54.39
102	1... PCB-136	3.37e5	1.26	NO	0.843	1.000	39.18	39.18	1.071	1.071	NO	53.05	106	0.00730	53.05
103	1... PCB-148	2.51e5	1.24	NO	0.693	1.000	39.31	39.29	1.075	1.074	NO	48.11	96.2	0.00888	48.11
104	1... PCB-154	2.66e5	1.22	NO	0.724	1.000	39.80	39.79	1.088	1.088	NO	48.77	97.5	0.00850	48.77

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-2.qld

Last Altered: Tuesday, October 29, 2019 09:00:41 Pacific Daylight Time

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Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	2.24e5	1.25	NO	0.632	1.000	40.46	40.44	1.106	1.106	NO	47.02	94.0	0.00974	47.02
106	1... PCB-135	2.79e5	1.25	NO	0.716	1.000	40.69	40.69	1.112	1.112	NO	51.75	104	0.00860	51.75
107	1... PCB-144	2.35e5	1.24	NO	0.667	1.000	40.80	40.78	1.115	1.115	NO	46.89	93.8	0.00923	46.89
108	1... PCB-147	2.52e5	1.26	NO	0.661	1.000	40.93	40.93	1.119	1.119	NO	50.69	101	0.00931	50.69
109	1... PCB-139/149	6.05e5	1.25	NO	0.738	1.000	41.21	41.19	1.127	1.126	NO	109.0	109	0.00834	109.0
110	1... PCB-140	2.39e5	1.24	NO	0.627	1.000	41.39	41.40	1.132	1.132	NO	50.75	102	0.00981	50.75
111	1... PCB-134/143	6.82e5	1.21	NO	0.733	1.000	41.87	41.85	0.975	0.974	NO	107.0	107	0.0518	107.0
112	1... PCB-131/133	7.46e5	1.22	NO	0.790	1.000	42.15	42.15	0.982	0.981	NO	108.6	109	0.0481	108.6
113	1... PCB-142	3.15e5	1.25	NO	0.708	1.000	42.30	42.30	0.985	0.985	NO	51.13	102	0.0537	51.13
114	1... PCB-146/165	8.81e5	1.19	NO	0.959	1.000	42.55	42.55	0.991	0.991	NO	105.7	106	0.0396	105.7
115	1... PCB-132/161	9.17e5	1.21	NO	0.974	1.000	42.78	42.79	0.996	0.996	NO	108.3	108	0.0390	108.3
116	1... PCB-153	4.56e5	1.22	NO	1.01	1.000	42.96	42.96	1.000	1.000	NO	51.83	104	0.0376	51.83
117	1... PCB-168	4.61e5	1.20	NO	1.02	1.000	43.19	43.19	1.006	1.006	NO	52.07	104	0.0373	52.07
118	1... PCB-141	3.62e5	1.21	NO	0.967	1.000	43.72	43.74	1.000	1.001	NO	49.76	99.5	0.0461	49.76
119	1... PCB-137	3.36e5	1.23	NO	0.987	1.000	44.10	44.12	1.009	1.010	NO	45.31	90.6	0.0452	45.31
120	1... PCB-130	3.07e5	1.22	NO	0.840	1.000	44.21	44.23	1.012	1.012	NO	48.56	97.1	0.0531	48.56
121	1... PCB-138/163/164	1.48e6	1.20	NO	1.23	1.000	44.61	44.63	1.001	1.001	NO	162.9	109	0.0360	162.9
122	1... PCB-158/160	8.98e5	1.22	NO	1.18	1.000	44.85	44.88	1.006	1.007	NO	103.3	103	0.0375	103.3
123	1... PCB-129	3.13e5	1.22	NO	0.819	1.000	45.10	45.10	1.012	1.012	NO	51.66	103	0.0540	51.66
124	1... PCB-166	4.83e5	1.23	NO	1.07	1.000	45.59	45.58	0.993	0.993	NO	52.99	106	0.0374	52.99
125	1... PCB-159	5.11e5	1.21	NO	1.12	1.000	45.92	45.92	1.000	1.000	NO	53.56	107	0.0357	53.56
126	1... PCB-128/162	7.86e5	1.20	NO	0.851	1.000	46.20	46.22	1.007	1.007	NO	108.5	108	0.0469	108.5
127	1... PCB-167	4.84e5	1.20	NO	1.04	1.000	46.62	46.62	1.000	1.000	NO	51.94	104	0.0367	51.94
128	1... PCB-156	4.80e5	1.21	NO	1.06	1.000	47.95	47.95	1.000	1.000	NO	54.56	109	0.0388	54.56
129	1... PCB-157	4.45e5	1.23	NO	0.978	1.000	48.25	48.23	1.001	1.000	NO	52.93	106	0.0398	52.93
130	1... PCB-169	4.84e5	1.21	NO	1.11	1.000	50.51	50.50	1.000	1.000	NO	52.78	106	0.0373	52.78
131	1... PCB-188	4.77e5	1.04	NO	1.19	1.000	42.60	42.58	1.001	1.000	NO	51.97	104	0.0231	51.97
132	1... PCB-184	4.30e5	1.01	NO	1.17	1.000	43.04	43.04	1.011	1.011	NO	47.91	95.8	0.0236	47.91
133	1... PCB-179	4.47e5	1.06	NO	1.18	1.000	43.84	43.85	1.030	1.030	NO	49.40	98.8	0.0234	49.40
134	1... PCB-176	4.41e5	1.06	NO	1.16	1.000	44.31	44.33	1.041	1.041	NO	49.47	98.9	0.0238	49.47
135	1... PCB-186	4.83e5	1.04	NO	1.22	1.000	44.92	44.95	1.055	1.056	NO	51.61	103	0.0226	51.61
136	1... PCB-178	2.95e5	1.05	NO	0.830	1.000	45.42	45.47	1.067	1.068	NO	46.19	92.4	0.0332	46.19
137	1... PCB-175	2.93e5	1.04	NO	0.849	1.000	45.77	45.83	1.075	1.077	NO	44.95	89.9	0.0325	44.95
138	1... PCB-182/187	7.23e5	1.04	NO	0.960	1.000	45.97	45.99	1.080	1.081	NO	97.91	97.9	0.0287	97.91
139	1... PCB-183	3.49e5	1.05	NO	0.957	1.000	46.29	46.34	1.088	1.089	NO	47.48	95.0	0.0288	47.48
140	1... PCB-185	2.97e5	1.01	NO	1.32	1.000	47.03	47.00	0.955	0.954	NO	51.39	103	0.0391	51.39

Dataset: U:\VG11.PRO\Results\191028K3\191028K3-2.qld

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Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	2.79e5	1.05	NO	1.22	1.000	47.40	47.38	0.962	0.962	NO	52.22	104	0.0424	52.22
142	1... PCB-181	3.07e5	1.05	NO	1.41	1.000	47.50	47.49	0.964	0.964	NO	49.59	99.2	0.0365	49.59
143	1... PCB-177	2.63e5	1.03	NO	1.24	1.000	47.67	47.66	0.968	0.968	NO	48.36	96.7	0.0416	48.36
144	1... PCB-171	2.96e5	1.03	NO	1.24	1.000	47.96	47.97	0.974	0.974	NO	54.39	109	0.0416	54.39
145	1... PCB-173	2.52e5	1.04	NO	1.14	1.000	48.40	48.40	0.983	0.983	NO	50.47	101	0.0452	50.47
146	1... PCB-172	2.93e5	1.02	NO	1.31	1.000	48.87	48.88	0.992	0.992	NO	51.08	102	0.0395	51.08
147	1... PCB-192	3.86e5	1.08	NO	1.70	1.000	49.07	49.06	0.996	0.996	NO	51.84	104	0.0304	51.84
148	1... PCB-180	3.10e5	1.04	NO	1.32	1.000	49.27	49.29	1.000	1.001	NO	53.55	107	0.0391	53.55
149	1... PCB-193	3.39e5	1.05	NO	1.54	1.000	49.50	49.50	1.005	1.005	NO	50.27	101	0.0335	50.27
150	1... PCB-191	3.45e5	1.06	NO	1.57	1.000	49.74	49.75	1.010	1.010	NO	50.00	100	0.0328	50.00
151	1... PCB-170	2.70e5	1.04	NO	1.36	1.000	50.94	50.94	1.000	1.000	NO	51.82	104	0.0434	51.82
152	1... PCB-190	3.51e5	1.04	NO	1.84	1.000	51.12	51.15	1.004	1.004	NO	49.81	99.6	0.0321	49.81
153	1... PCB-189	3.68e5	1.04	NO	1.33	1.000	52.74	52.74	1.000	1.000	NO	53.05	106	0.0278	53.05
154	1... PCB-202	3.27e5	0.85	NO	1.02	1.000	48.19	48.17	1.001	1.000	NO	53.79	108	0.0148	53.79
155	1... PCB-201	2.64e5	0.88	NO	0.915	1.000	48.68	48.67	1.011	1.011	NO	48.71	97.4	0.0166	48.71
156	1... PCB-204	2.94e5	0.90	NO	0.979	1.000	48.82	48.82	1.014	1.014	NO	50.64	101	0.0155	50.64
157	1... PCB-197	2.90e5	0.94	NO	0.979	1.000	49.14	49.14	1.020	1.020	NO	49.98	100	0.0155	49.98
158	1... PCB-200	2.85e5	0.88	NO	0.954	1.000	50.08	50.07	1.040	1.040	NO	50.45	101	0.0159	50.45
159	1... PCB-198	2.08e5	0.90	NO	0.748	1.000	51.68	51.68	1.073	1.073	NO	46.88	93.8	0.0202	46.88
160	1... PCB-199	2.12e5	0.89	NO	0.706	1.000	51.81	51.81	1.076	1.076	NO	50.53	101	0.0215	50.53
161	1... PCB-196/203	4.43e5	0.84	NO	0.785	1.000	52.14	52.13	1.083	1.083	NO	95.27	95.3	0.0193	95.27
162	1... PCB-195	3.25e5	0.87	NO	1.03	1.000	53.49	53.45	0.984	0.983	NO	47.69	95.4	0.0254	47.69
163	1... PCB-194	3.84e5	0.89	NO	1.16	1.000	54.40	54.40	1.000	1.000	NO	50.35	101	0.0227	50.35
164	1... PCB-205	5.06e5	0.90	NO	1.40	1.000	54.67	54.68	1.005	1.005	NO	54.69	109	0.0188	54.69
165	1... PCB-208	3.65e5	1.30	NO	0.934	1.000	53.61	53.61	1.000	1.000	NO	51.36	103	0.0266	51.36
166	1... PCB-207	3.39e5	1.33	NO	0.912	1.000	53.93	53.95	1.006	1.007	NO	48.79	97.6	0.0273	48.79
167	1... PCB-206	3.01e5	1.31	NO	0.987	1.000	55.93	55.92	1.000	1.000	NO	50.63	101	0.0308	50.63
168	1... PCB-209	3.25e5	1.20	NO	0.943	1.000	57.15	57.17	1.000	1.000	NO	52.51	105	0.00425	52.51
169	1... 13C-PCB-1	2.22e6	3.35	NO	1.08	1.000	15.21	15.23	0.605	0.606	NO	86.38	86.4	0.0720	86.38
170	1... 13C-PCB-3	2.14e6	3.11	NO	1.09	1.000	17.82	17.84	0.709	0.710	NO	82.28	82.3	0.0711	82.28
171	1... 13C-PCB-4	1.51e6	1.60	NO	0.640	1.000	19.17	19.18	0.763	0.763	NO	99.21	99.2	0.0363	99.21
172	1... 13C-PCB-9	2.40e6	1.60	NO	0.995	1.000	20.98	20.99	0.834	0.835	NO	101.3	101	0.0233	101.3
173	1... 13C-PCB-11	2.31e6	1.58	NO	0.971	1.000	24.43	24.43	0.972	0.972	NO	100.0	100	0.0239	100.0
174	1... 13C-PCB-19	1.11e6	1.01	NO	0.637	1.000	23.38	23.38	0.930	0.930	NO	73.01	73.0	0.250	73.01
175	1... 13C-PCB-32	1.54e6	0.98	NO	0.910	1.000	26.37	26.36	1.049	1.048	NO	70.99	71.0	0.175	70.99
176	1... 13C-PCB-28	1.89e6	1.00	NO	1.07	1.000	28.36	28.37	1.004	1.004	NO	105.4	105	0.243	105.4

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Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.61e6	1.03	NO	0.959	1.000	32.36	32.35	1.145	1.145	NO	100.1	100	0.271	
178	1... 13C-PCB-54	1.52e6	0.77	NO	1.10	1.000	27.20	27.22	0.750	0.750	NO	104.5	105	0.0523	
179	1... 13C-PCB-52	1.13e6	0.79	NO	0.844	1.000	30.85	30.86	0.850	0.851	NO	101.1	101	0.0680	
180	1... 13C-PCB-47	1.17e6	0.78	NO	0.893	1.000	31.37	31.36	0.865	0.865	NO	98.88	98.9	0.0643	
181	1... 13C-PCB-70	1.28e6	0.80	NO	1.01	1.000	35.01	34.99	0.965	0.965	NO	96.29	96.3	0.0570	
182	1... 13C-PCB-80	1.39e6	0.78	NO	1.05	1.000	35.45	35.44	0.977	0.977	NO	100.3	100	0.0549	
183	1... 13C-PCB-81	1.26e6	0.78	NO	0.985	1.000	38.64	38.62	1.065	1.065	NO	96.58	96.6	0.0583	
184	1... 13C-PCB-77	1.22e6	0.80	NO	0.958	1.000	39.25	39.24	1.082	1.082	NO	95.89	95.9	0.0599	
185	1... 13C-PCB-104	1.06e6	1.61	NO	1.10	1.000	32.03	32.03	0.825	0.825	NO	98.34	98.3	0.0304	
186	1... 13C-PCB-95	8.35e5	1.60	NO	0.852	1.000	35.31	35.31	0.909	0.909	NO	99.46	99.5	0.0391	
187	1... 13C-PCB-101	8.26e5	1.64	NO	0.814	1.000	37.04	37.04	0.954	0.954	NO	103.0	103	0.0410	
188	1... 13C-PCB-97	6.73e5	1.63	NO	0.709	1.000	38.39	38.38	0.988	0.988	NO	96.31	96.3	0.0470	
189	1... 13C-PCB-123	8.86e5	1.58	NO	0.922	1.000	41.02	41.02	1.056	1.056	NO	97.50	97.5	0.0362	
190	1... 13C-PCB-118	9.58e5	1.59	NO	0.975	1.000	41.23	41.23	1.061	1.061	NO	99.74	99.7	0.0342	
191	1... 13C-PCB-114	1.09e6	1.57	NO	1.52	1.000	41.89	41.88	0.907	0.907	NO	118.9	119	0.0542	
192	1... 13C-PCB-105	1.09e6	1.54	NO	1.58	1.000	42.80	42.78	0.927	0.926	NO	114.5	114	0.0520	
193	1... 13C-PCB-127	1.09e6	1.53	NO	1.62	1.000	43.13	43.13	0.934	0.934	NO	112.1	112	0.0508	
194	1... 13C-PCB-126	9.99e5	1.57	NO	1.45	1.000	45.10	45.09	0.976	0.976	NO	114.8	115	0.0570	
195	1... 13C-PCB-155	7.52e5	1.31	NO	1.03	1.000	36.57	36.58	0.942	0.942	NO	74.40	74.4	0.0112	
196	1... 13C-PCB-153	8.69e5	1.27	NO	1.42	1.000	42.96	42.94	0.930	0.930	NO	101.4	101	0.0523	
197	1... 13C-PCB-141	7.52e5	1.26	NO	1.14	1.000	43.72	43.70	0.947	0.946	NO	109.3	109	0.0652	
198	1... 13C-PCB-138	7.38e5	1.27	NO	1.18	1.000	44.60	44.57	0.966	0.965	NO	104.0	104	0.0631	
199	1... 13C-PCB-159	8.52e5	1.29	NO	1.43	1.000	45.93	45.90	0.994	0.994	NO	98.75	98.7	0.0519	
200	2... 13C-PCB-167	8.93e5	1.28	NO	1.42	1.000	46.62	46.60	1.010	1.009	NO	104.2	104	0.0523	
201	2... 13C-PCB-156	8.32e5	1.27	NO	1.40	1.000	47.95	47.93	1.038	1.038	NO	98.97	99.0	0.0533	
202	2... 13C-PCB-157	8.60e5	1.25	NO	1.41	1.000	48.22	48.21	1.044	1.044	NO	101.6	102	0.0529	
203	2... 13C-PCB-169	8.29e5	1.28	NO	1.35	1.000	50.50	50.49	1.093	1.093	NO	102.3	102	0.0553	
204	2... 13C-PCB-188	7.69e5	0.45	NO	1.46	1.000	42.55	42.57	0.925	0.925	NO	104.9	105	0.0396	
205	2... 13C-PCB-180	4.38e5	0.46	NO	0.932	1.000	49.26	49.25	1.071	1.071	NO	93.76	93.8	0.0621	
206	2... 13C-PCB-170	3.83e5	0.45	NO	0.796	1.000	50.93	50.92	1.107	1.107	NO	95.90	95.9	0.0728	
207	2... 13C-PCB-189	5.21e5	0.45	NO	1.09	1.000	52.72	52.72	1.146	1.146	NO	95.27	95.3	0.0531	
208	2... 13C-PCB-202	5.93e5	0.91	NO	1.45	1.000	48.17	48.15	1.043	1.043	NO	81.56	81.6	0.0314	
209	2... 13C-PCB-194	6.60e5	0.92	NO	0.714	1.000	54.39	54.39	0.995	0.995	NO	97.82	97.8	0.0440	
210	2... 13C-PCB-208	7.61e5	0.79	NO	0.896	1.000	53.59	53.60	0.980	0.980	NO	89.81	89.8	0.0342	
211	2... 13C-PCB-206	6.01e5	0.79	NO	0.653	1.000	55.91	55.91	1.023	1.023	NO	97.39	97.4	0.0469	
212	2... 13C-PCB-209	6.57e5	1.17	NO	0.806	1.000	57.16	57.15	1.046	1.045	NO	86.26	86.3	0.00891	

21457

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Printed: Tuesday, October 29, 2019 09:01:26 Pacific Daylight Time

Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.38e6	1.57	NO	1.00	1.000	25.12	25.14	1.000	0.000	NO	100.0	100	0.0232	
214	2... 13C-PCB-31	1.67e6	1.00	NO	1.00	1.000	28.24	28.26	1.000	0.000	NO	100.0	100	0.260	
215	2... 13C-PCB-60	1.32e6	0.77	NO	1.00	1.000	36.25	36.28	1.000	0.000	NO	100.0	100	0.0574	
216	2... 13C-PCB-111	9.85e5	1.62	NO	1.00	1.000	38.83	38.85	1.000	0.000	NO	100.0	100	0.0333	
217	2... 13C-PCB-128	6.02e5	1.29	NO	1.00	1.000	46.16	46.19	1.000	0.000	NO	100.0	100	0.0745	
218	2... 13C-PCB-182	5.01e5	0.45	NO	1.00	1.000	45.99	45.99	0.000	0.000	NO	100.0	100	0.0579	
219	2... 13C-PCB-205	9.46e5	0.91	NO	1.00	1.000	54.66	54.67	1.000	0.000	NO	100.0	100	0.0314	
220	2... 13C-PCB-79	1.37e6	0.78	NO	1.03	1.000	37.39	37.38	1.031	1.030	NO	100.3	100	0.0557	
221	2... 13C-PCB-178	4.36e5	0.46	NO	0.875	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0564	
222	2... 13C-PCB-79	1.37e6	0.78	NO	1.05	1.000	37.37	37.38	0.967	0.968	NO	104.0	104	0.0575	
223	2... 13C-PCB-178	4.36e5	0.46	NO	0.975	1.000	45.49	45.45	0.924	0.923	NO	102.1	102	0.0707	

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7-12-19
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Dataset: Untitled

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Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	191028K3_1	SOLVENT BLANK	29-Oct-19	02:57:38
2	191028K3_2	ST191028K3-1 PCB 209 CS3 19C1106	29-Oct-19	03:58:48
3	191028K3_3	SOLVENT BLANK	29-Oct-19	04:59:55
4	191028K3_4	1903285-02RE1@20X PDI-1014SG-00-0.78-1...	29-Oct-19	06:01:01
5	191028K3_5	1903285-03RE1@20X PDI-015SG-00-0.87-19...	29-Oct-19	07:03:22
6	191028K3_6	1903591-01@20X A4-FPS-204-24-31-0919-M...	29-Oct-19	08:04:27
7	191028K3_7	1903591-02@20X A4-FPS-210-0-12-0919-MD...	29-Oct-19	09:05:32
8	191028K3_8	1903591-01 A4-FPS-204-24-31-0919-MDNR-...	29-Oct-19	10:06:41

Resolution Check Report

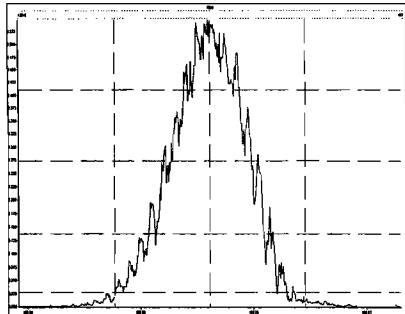
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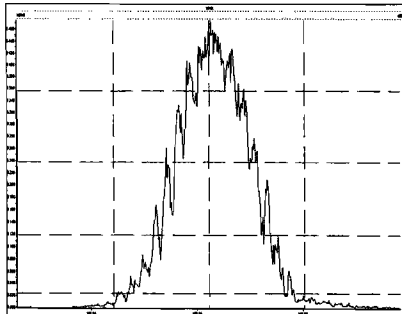
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Ⓢ did not central Page 1 of 4

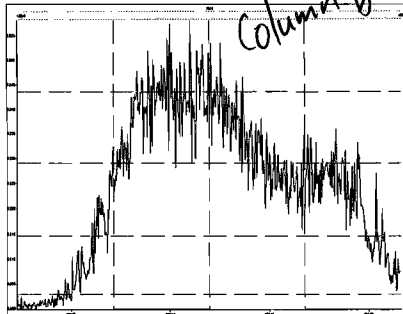
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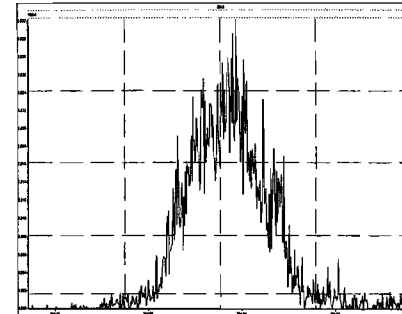
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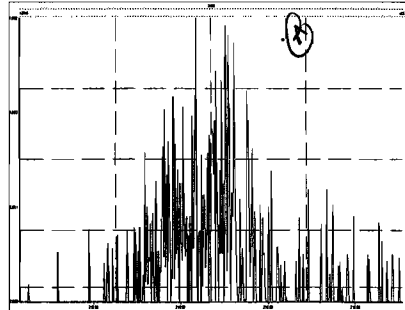
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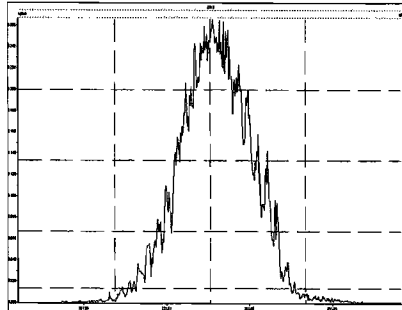
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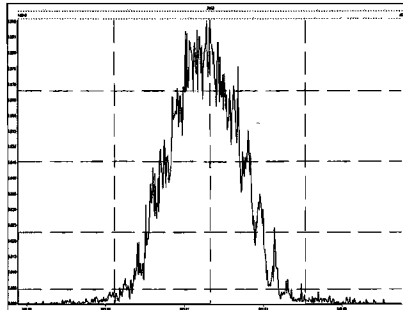
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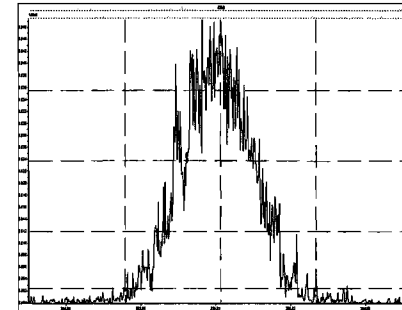
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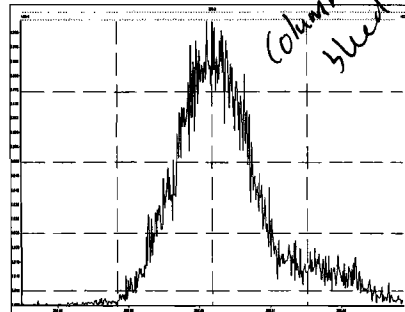
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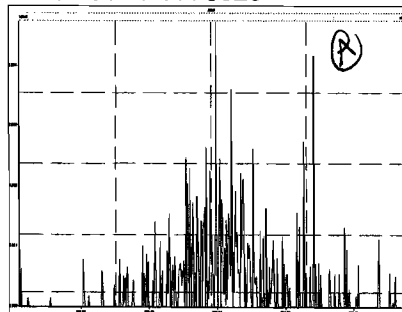
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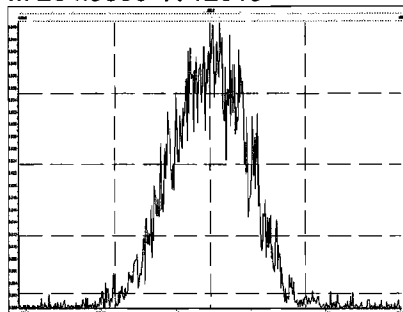
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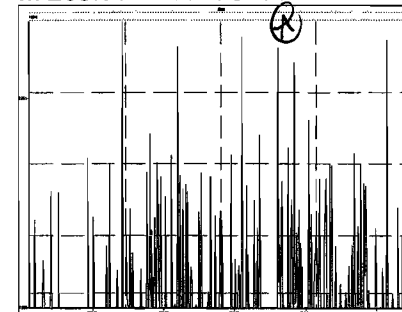
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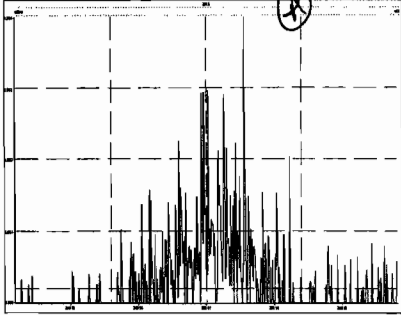


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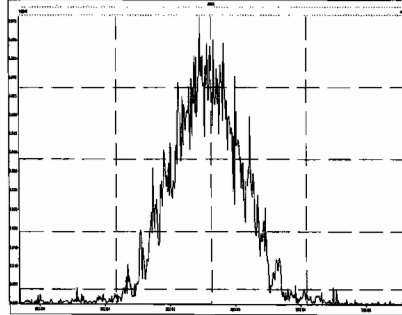


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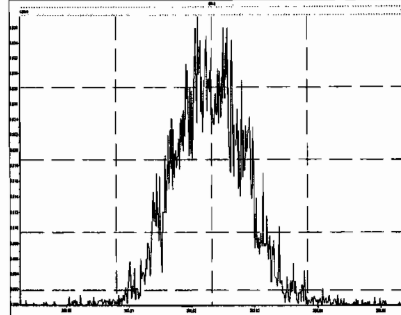
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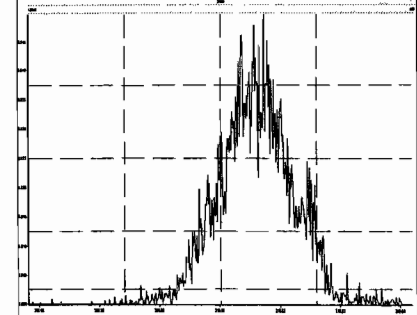
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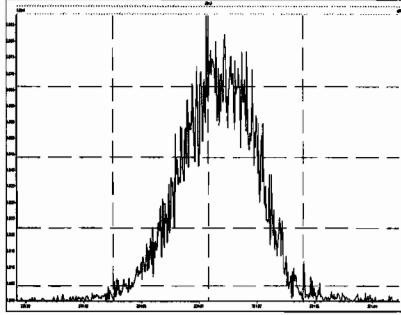
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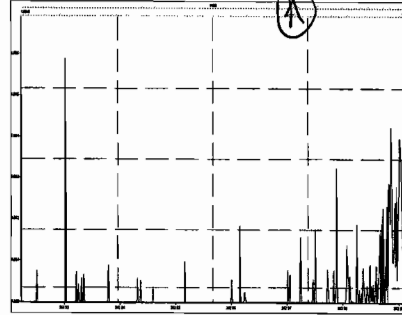
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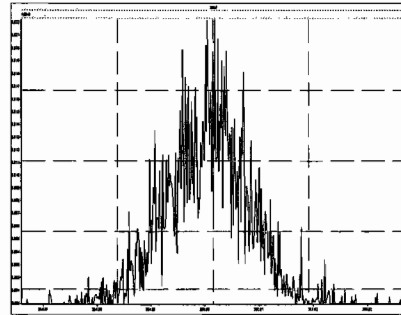
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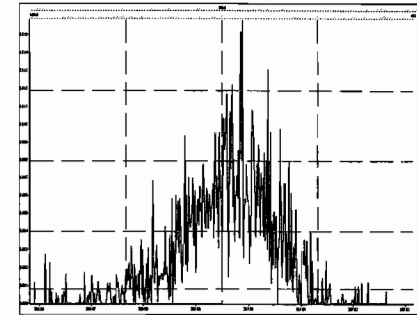
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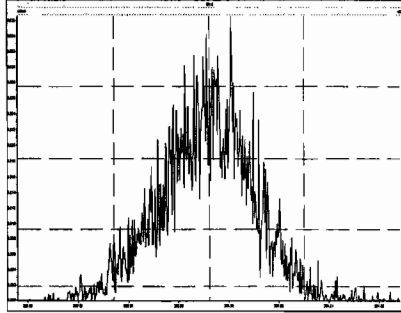
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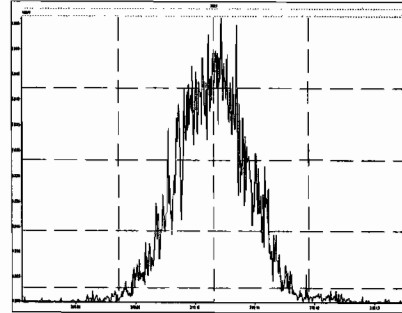
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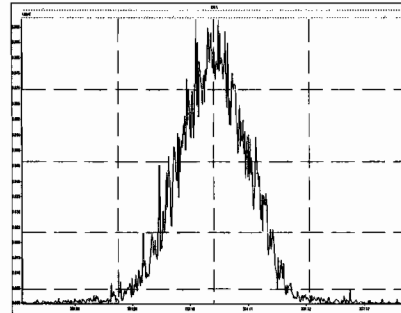
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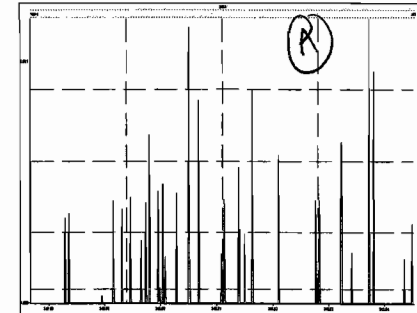
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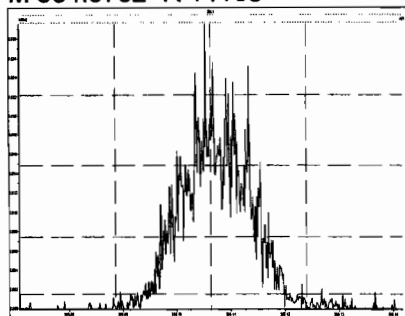
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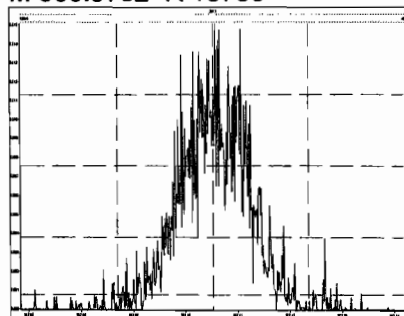
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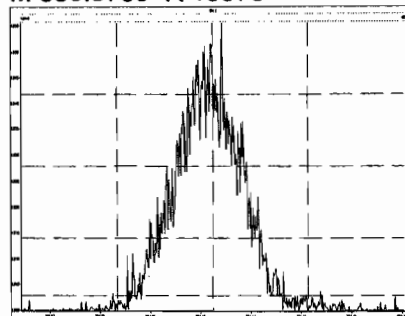
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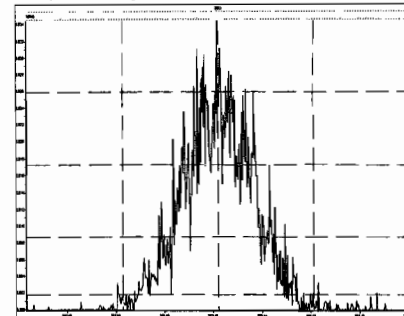
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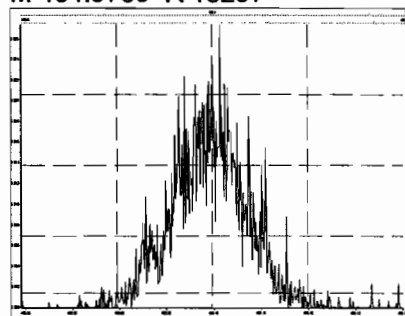
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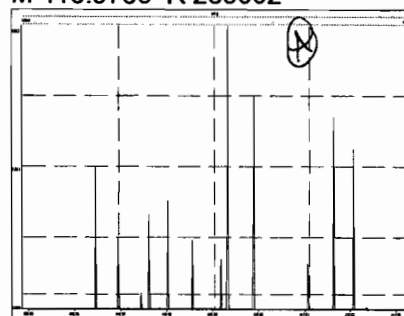
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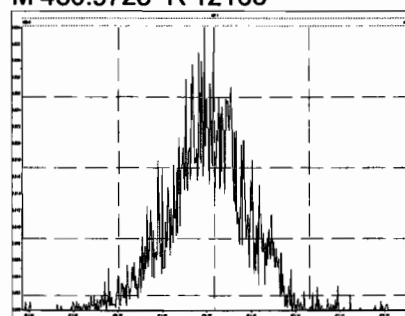
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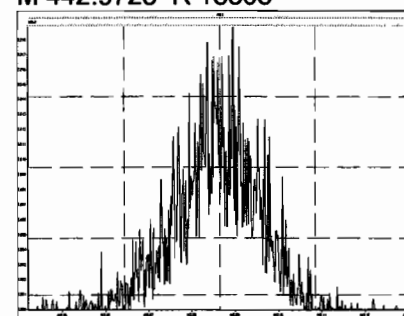
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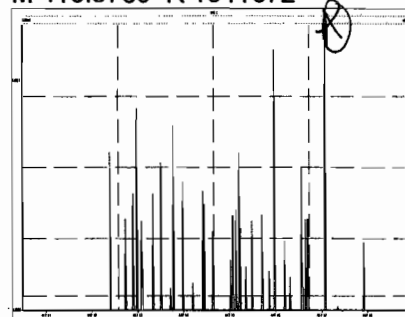
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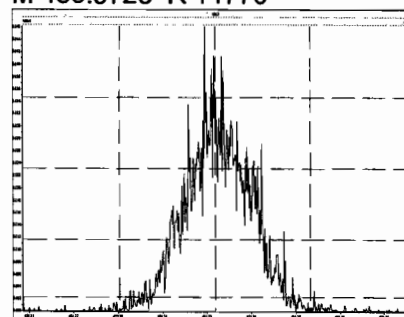
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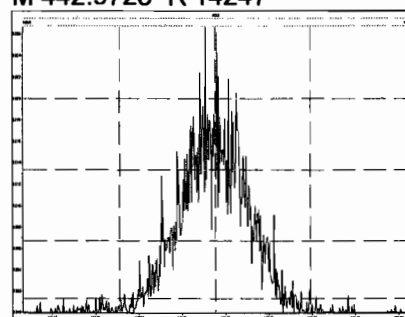
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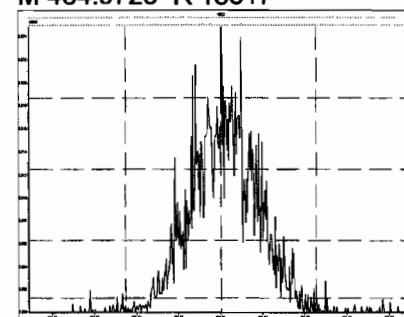
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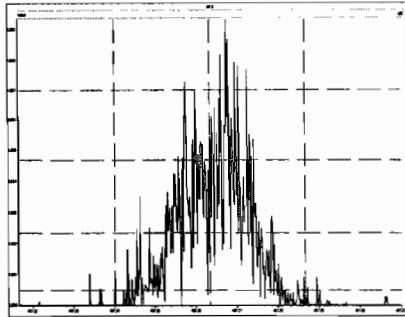


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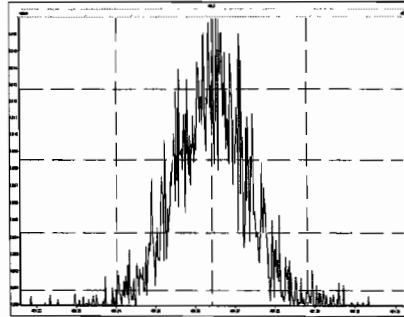


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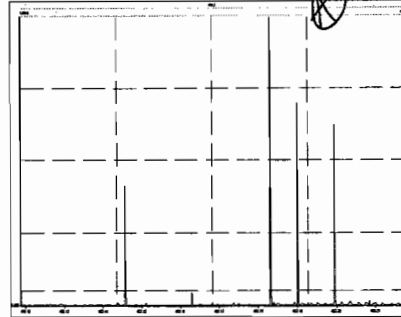
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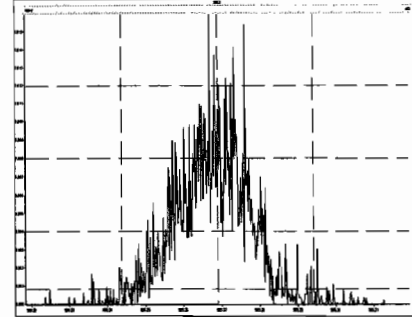
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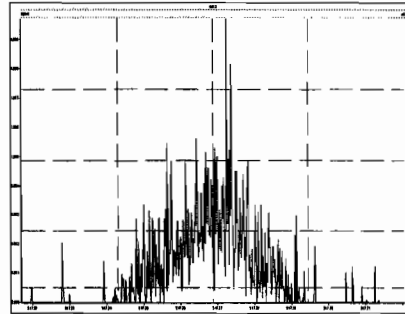
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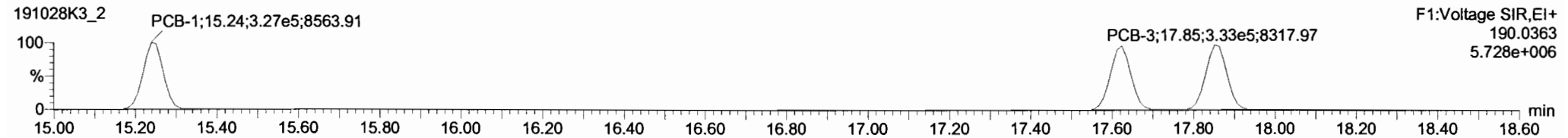
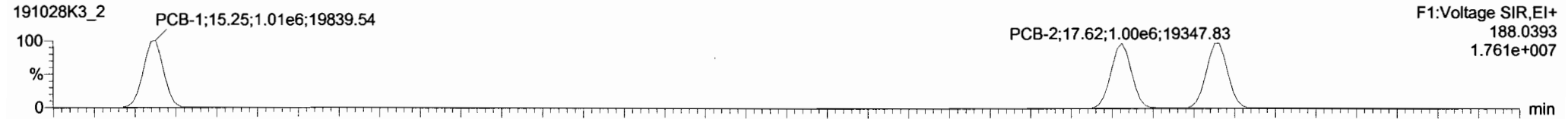


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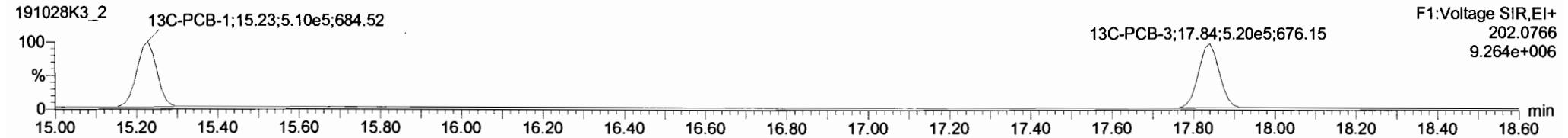
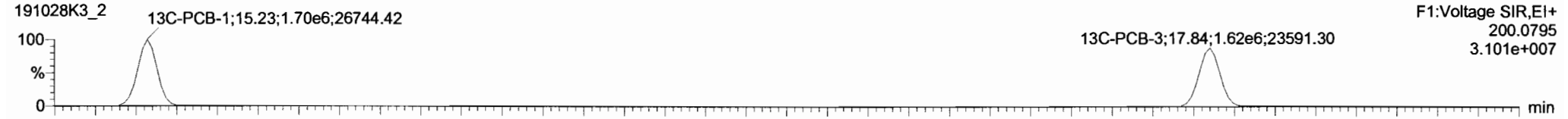
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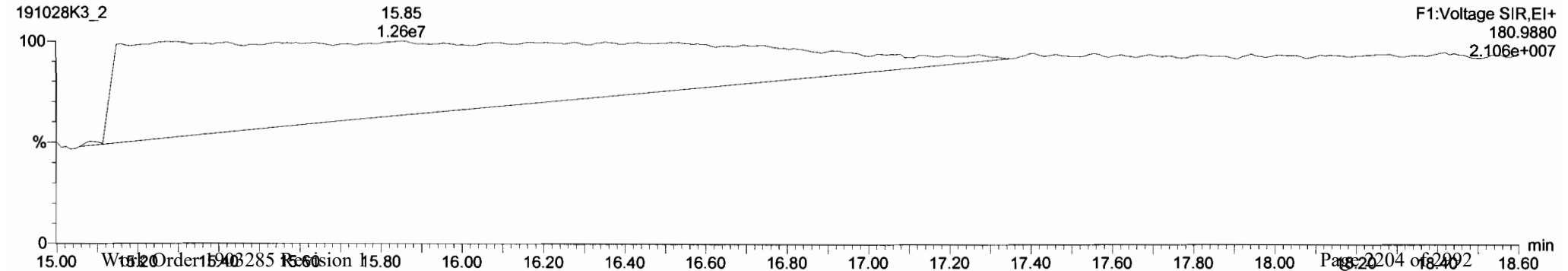
PCB-1



13C-PCB-1



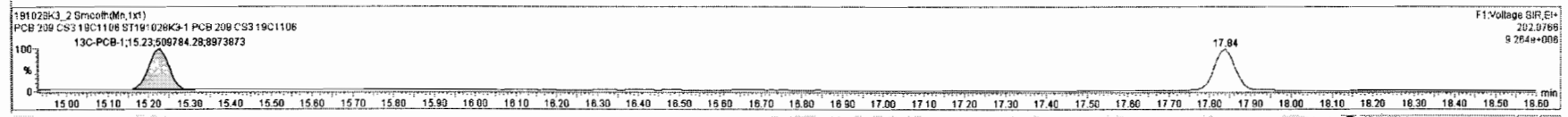
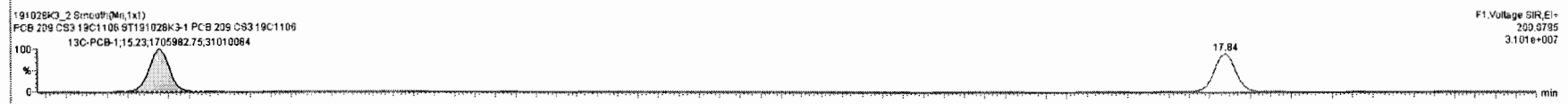
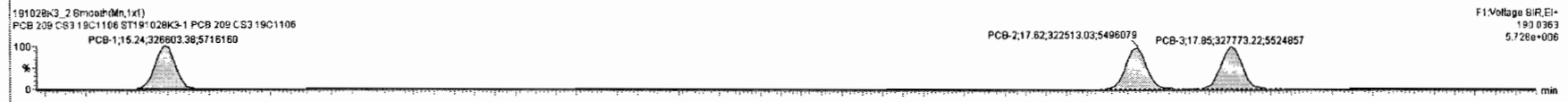
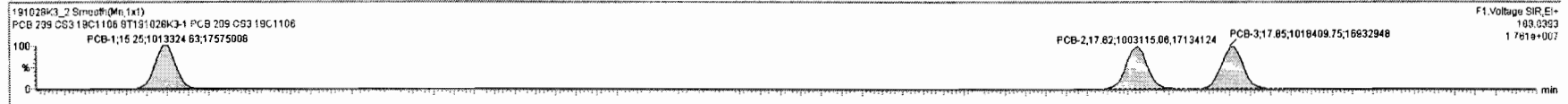
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191028K3-2 - ST191028K3-1 PCB 209 CS3 19C1106 - PCB 209 CS3 - 19C1106

#	Name	Resp	RA	rvy	RRF	wt/nd	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0564	
222	222 13C-PCB-79	1.37e5	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.966	NO	104.0	104	0.0575	
223	223 13C-PCB-178	4.36e5	0.46	NO	0.9749	1.000	45.45	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	183.3		0.0246	183.3
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	627.5		0.227	627.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	453.0		0.0896	453.0
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	755.5		0.581	755.5
228	228 Total Tetra-PCBs				0.9881	1.000	0.00		0.000		NO	2226		0.740	2226
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2150		0.580	2150
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	267.4		0.160	267.4
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	723.4		0.1061	723.4

#	Name	Pred RT	RT	nt Resp	n2 Resp	1st Ratio (Pred)	RA	rvy	EMPC	Conc.
1	1 PCB-1	15.24	15.25	1.013e6	3.268e5	3.130	3.10	NO	59.253	59.253
2	2 PCB-2	17.63	17.62	1.003e6	3.225e5	3.130	3.11	NO	61.482	61.482
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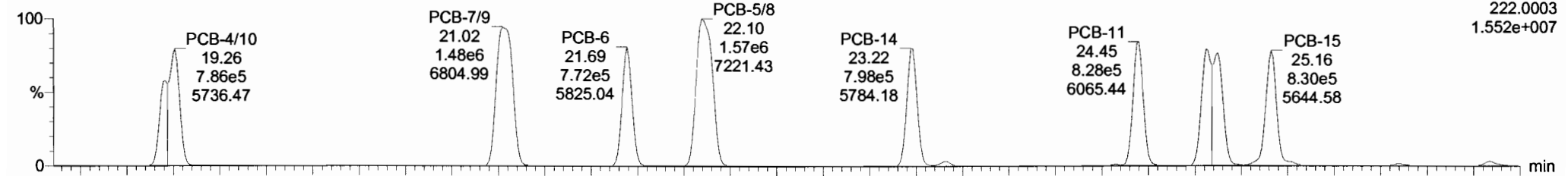
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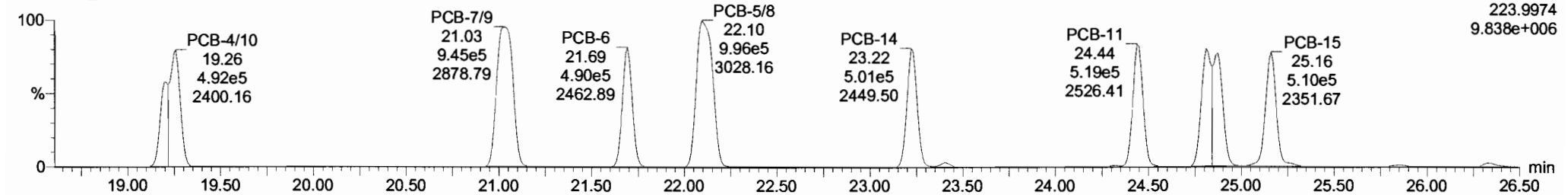
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PCB-4/10

191028K3_2

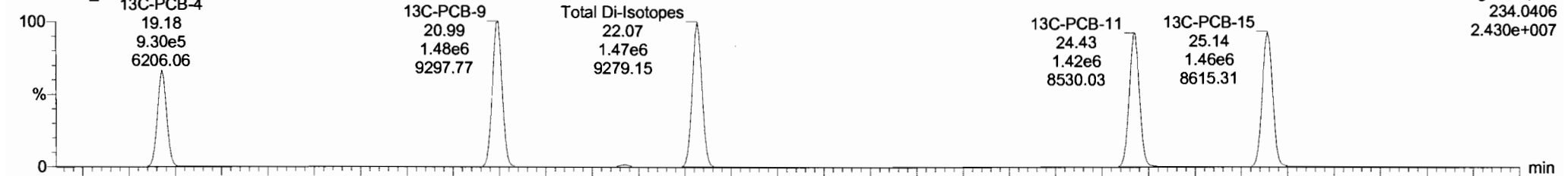


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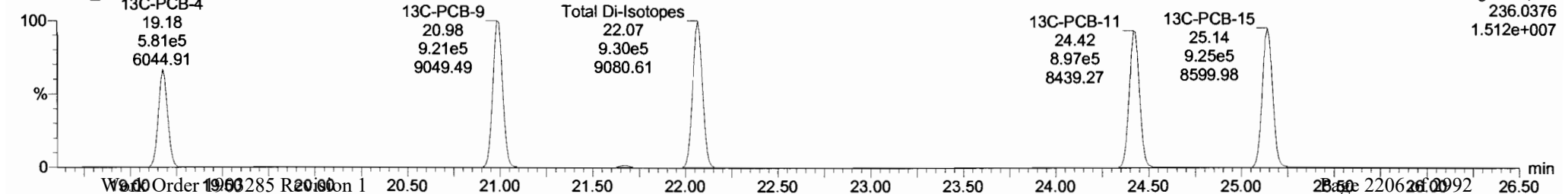


13C-PCB-4

191028K3_2



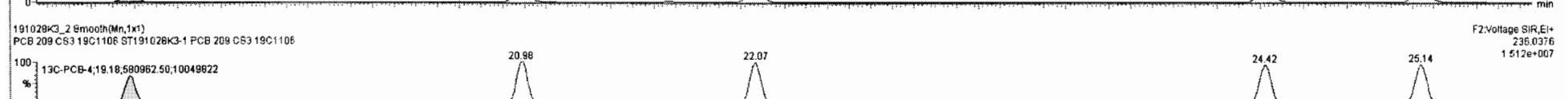
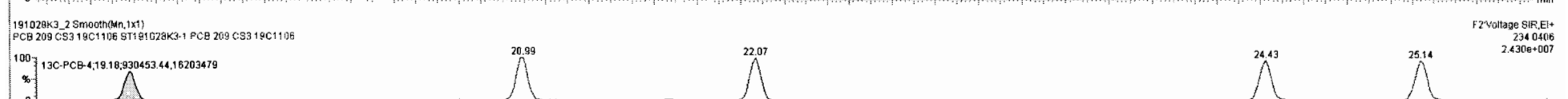
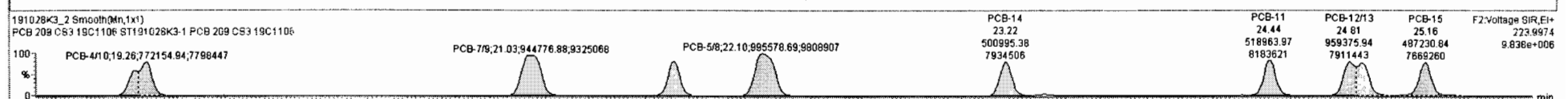
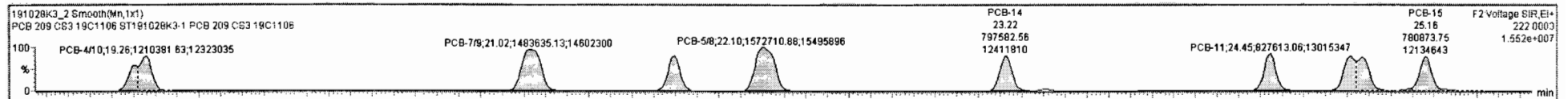
191028K3_2



191028K3_2 - ST191028K3-1 PCB 209 CS3 19C 1106 - PCB 209 CS3 19C 1106

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0564	
222	222 13C-PCB-79	1.37e6	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	104.0	104	0.0575	
223	223 13C-PCB-178	4.36e5	0.46	NO	0.9749	1.000	45.49	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	183.3		0.0246	183.3
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	627.5		0.227	627.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	453.0		0.0686	453.0
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	755.5		0.581	755.5
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2226		0.740	2226
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2150		0.590	2150
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	257.4		0.160	257.4
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	723.41		0.1061	723.41

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	4 PCB-4#0	19.26	19.26	1.210e6	7.722e5	1.560	1.57	NO	102.85	102.85
2	5 PCB-7#9	21.05	21.02	1.484e6	9.448e5	1.560	1.57	NO	103.67	103.67
3	6 PCB-5	21.69	21.69	7.722e5	4.896e5	1.560	1.58	NO	51.703	51.703
4	7 PCB-5#8	22.09	22.10	1.573e6	9.956e5	1.560	1.58	NO	105.85	105.85
5	8 PCB-14	23.25	23.22	7.976e5	5.010e5	1.560	1.59	NO	54.362	54.362
6	9 PCB-11	24.45	24.45	8.276e5	5.190e5	1.560	1.60	NO	53.123	53.123
7	10 PCB-12#13	24.87	24.81	1.503e6	9.584e5	1.560	1.57	NO	102.64	102.64
8	11 PCB-15	25.17	25.16	7.809e5	4.872e5	1.560	1.60	NO	53.315	53.315



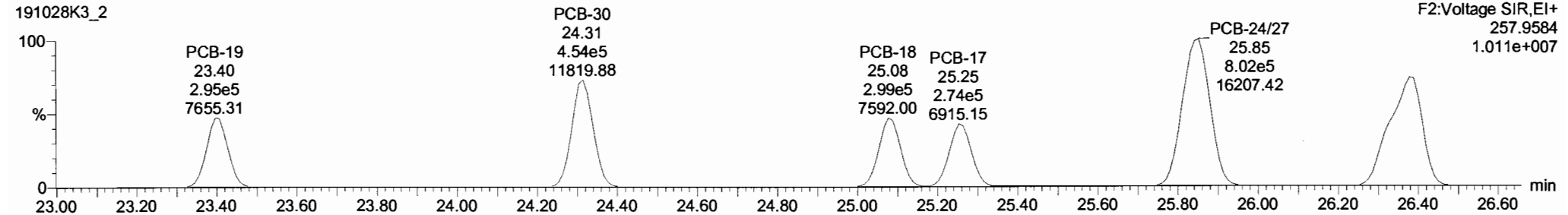
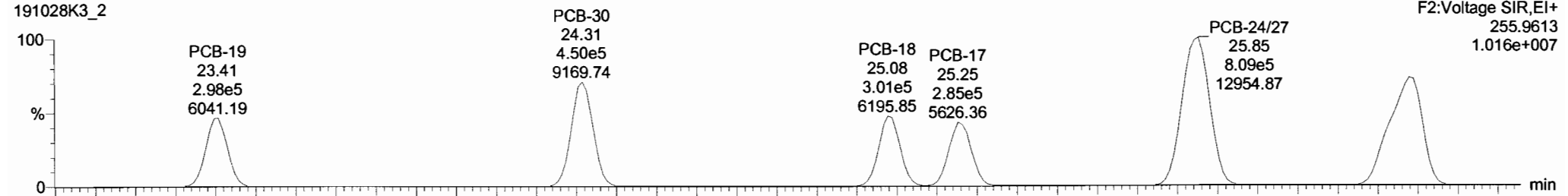
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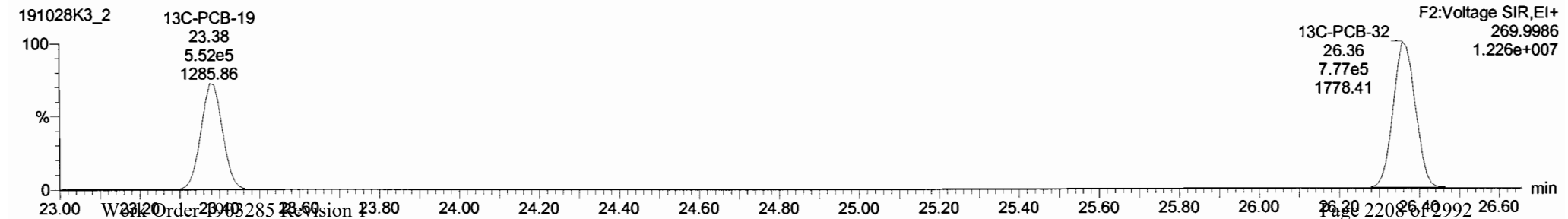
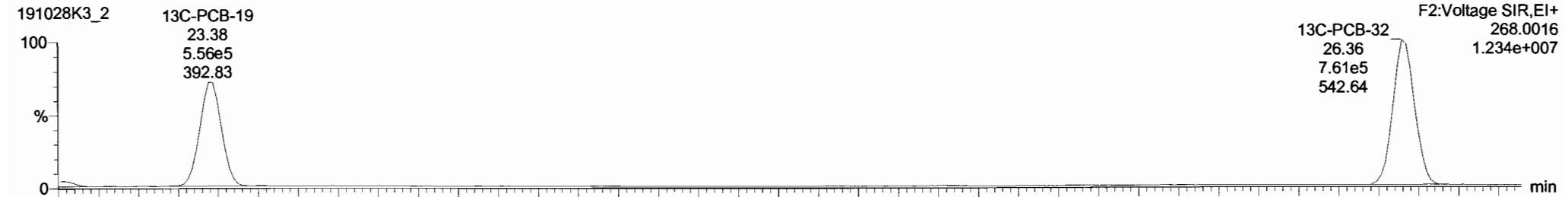
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PCB-19



13C-PCB-19



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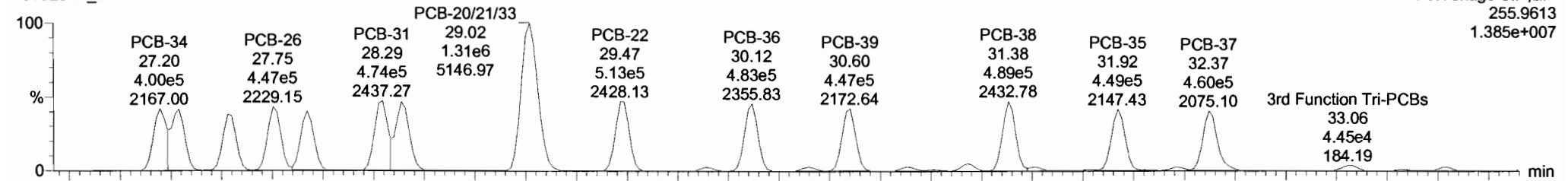
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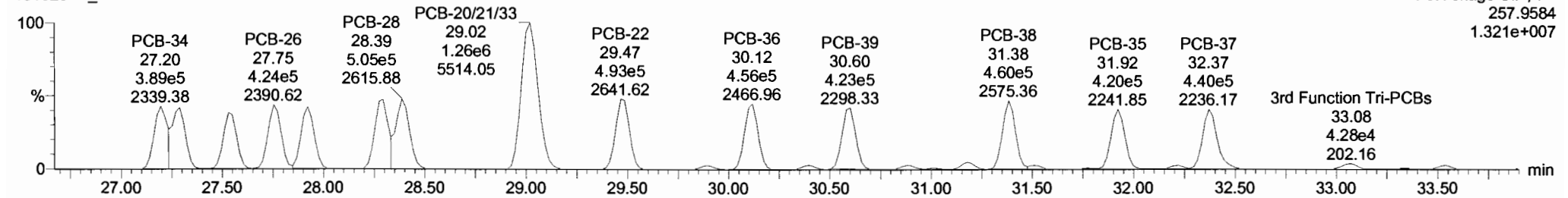
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PCB-34

191028K3_2

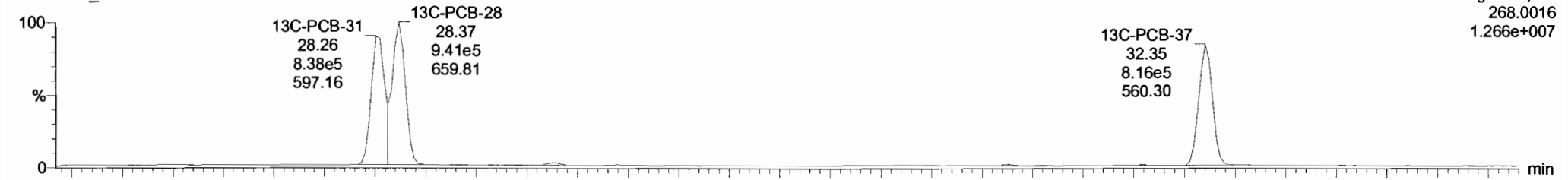


191028K3_2

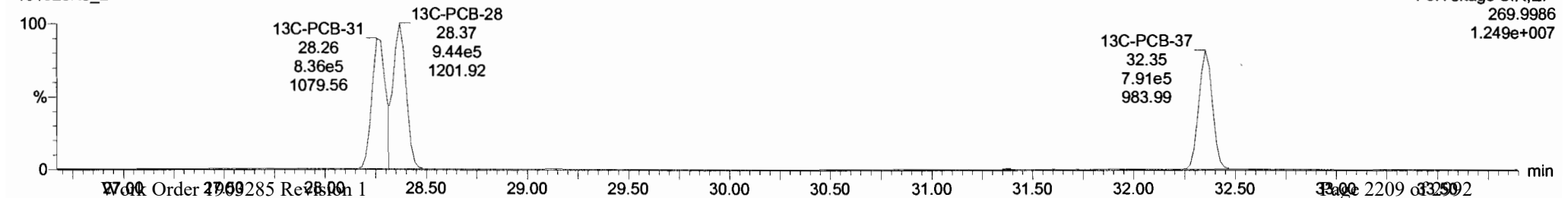


13C-PCB-28

191028K3_2



191028K3_2

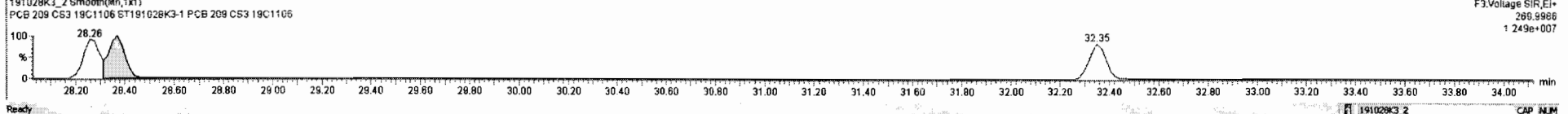
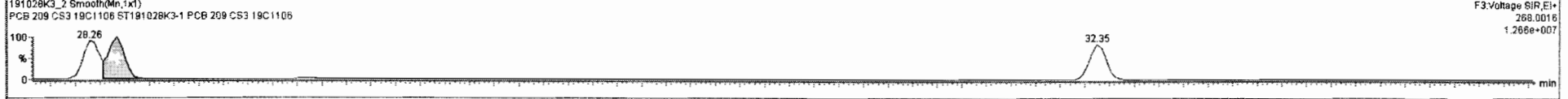
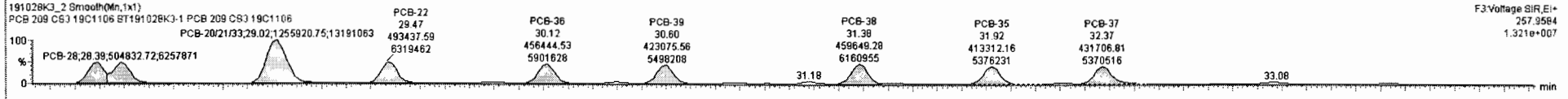
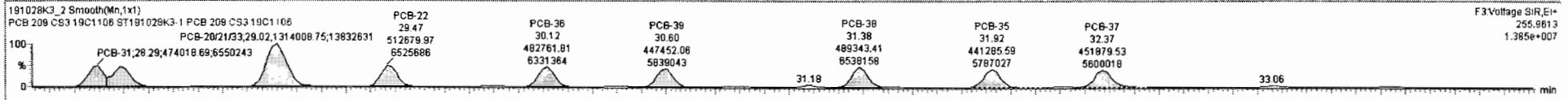


Targetlynx - 191028K3_2.qld - [Chromatogram]

191028K3_2 - ST191028K3-1 PCB 209 CS2 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wtAvd	Pred_RT	RT	Pred_R	RRT	RRT_Fail	Conc	%Rec	DL	EMPC
221	13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0564	
222	13C-PCB-79	1.37e6	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	104.0	104	0.0575	
223	13C-PCB-178	4.36e5	0.46	NO	0.9749	1.000	45.49	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	183.3		0.0246	183.3
225	Total Di-PCBs				1.0582	1.000	0.00		0.000		NO	627.5		0.227	627.5
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	453.0		0.0886	453.0
227	3rd Function Tri-PCBs				1.0663	1.000	0.00		0.000		NO	755.5		0.581	755.5
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2226		0.740	2226
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2150		0.580	2150
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	257.4		0.160	257.4
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	723.4		0.106	723.4

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.20	27.20	3.999e5	3.890e5	1.040	1.03	NO	42.377	42.377
2	19 PCB-23	27.30	27.29	4.584e5	4.319e5	1.040	1.06	NO	48.478	48.478
3	20 PCB-29	27.53	27.53	4.038e5	3.803e5	1.040	1.06	NO	43.614	43.614
4	21 PCB-26	27.77	27.75	4.467e5	4.242e5	1.040	1.05	NO	46.147	46.147
5	22 PCB-25	27.92	27.82	4.195e5	4.141e5	1.040	1.01	NO	45.211	45.211
6	23 PCB-31	28.30	28.29	4.740e5	4.588e5	1.040	1.04	NO	43.957	43.957
7	24 PCB-28	28.39	28.39	5.294e5	5.048e5	1.040	1.05	NO	49.557	49.557
8	25 PCB-20/21/33	29.02	29.02	1.314e6	1.256e6	1.040	1.05	NO	135.84	135.84
9	26 PCB-22	29.49	29.47	5.127e5	4.934e5	1.040	1.04	NO	51.683	51.683
10	27 PCB-36	30.10	30.12	4.829e5	4.564e5	1.040	1.06	NO	49.661	49.661



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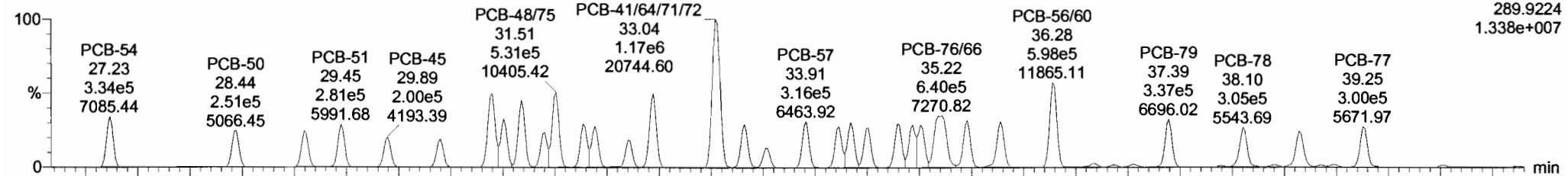
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PCB-54

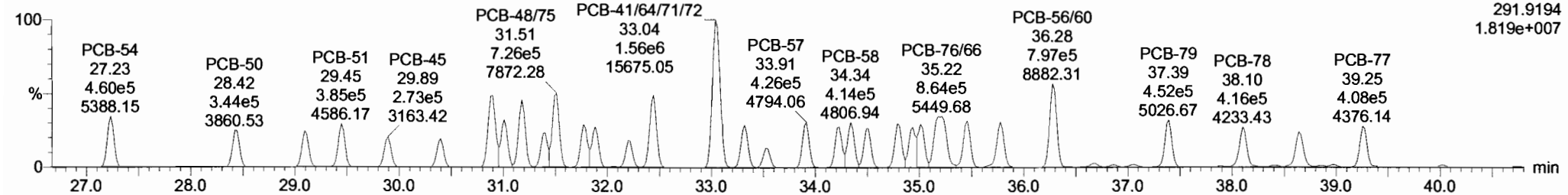
191028K3_2

F3:Voltage SIR,EI+
289.9224
1.338e+007



191028K3_2

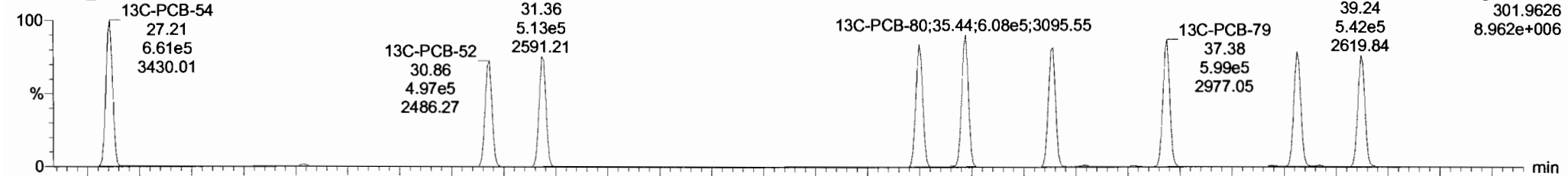
F3:Voltage SIR,EI+
291.9194
1.819e+007



13C-PCB-54

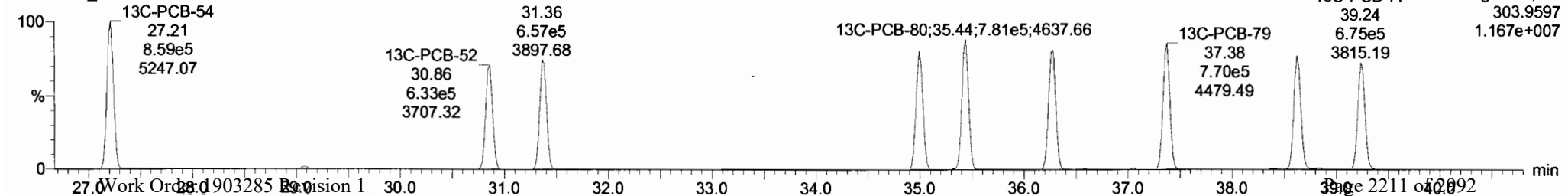
191028K3_2

F3:Voltage SIR,EI+
301.9626
8.962e+006



191028K3_2

F3:Voltage SIR,EI+
303.9597
1.167e+007



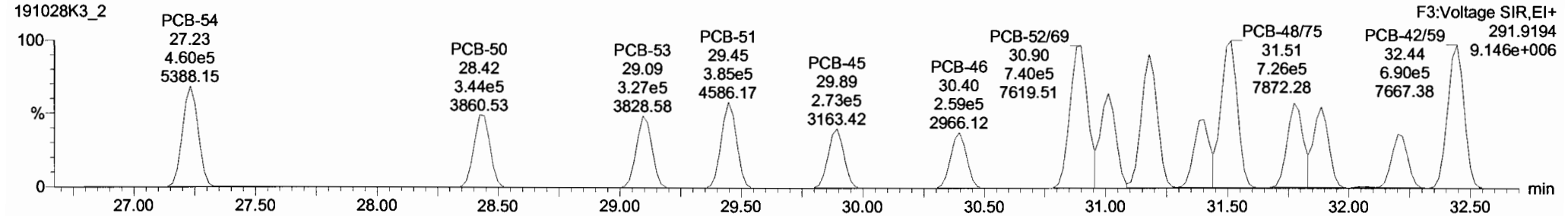
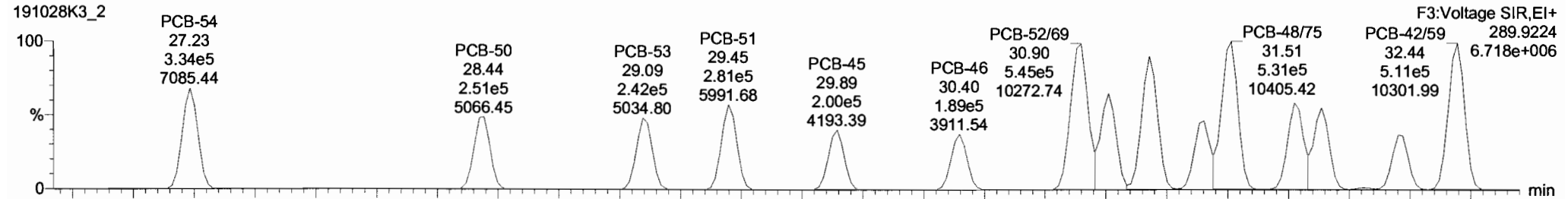
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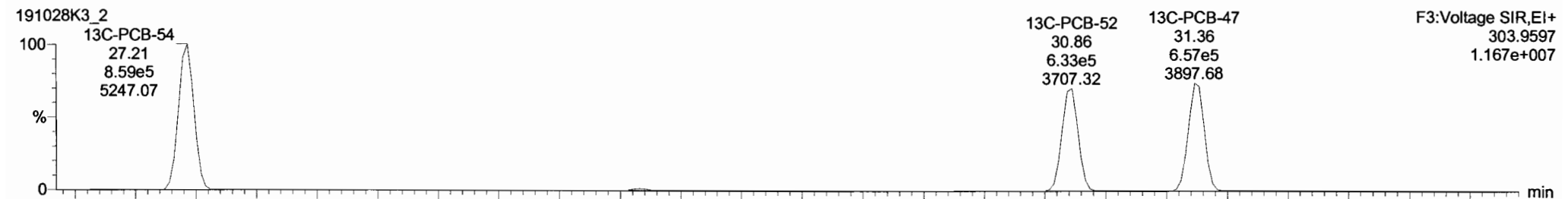
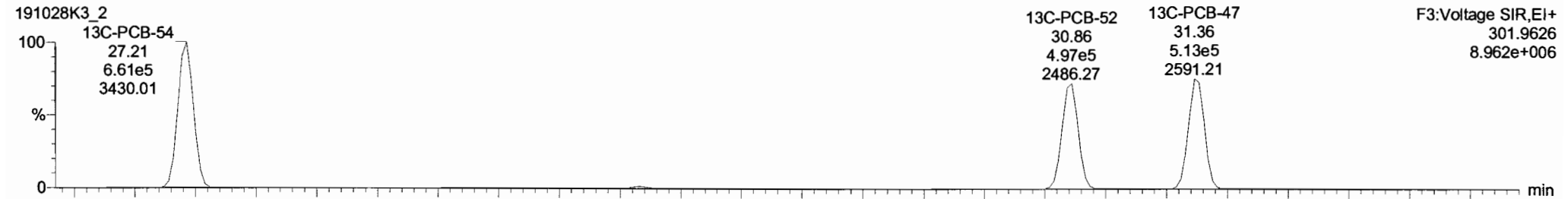
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Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-50



13C-PCB-52



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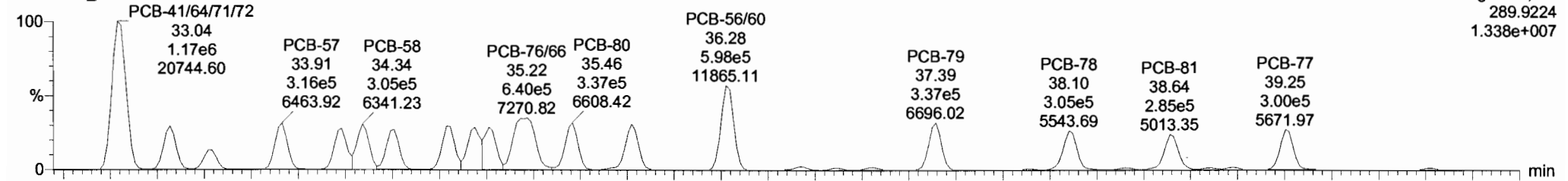
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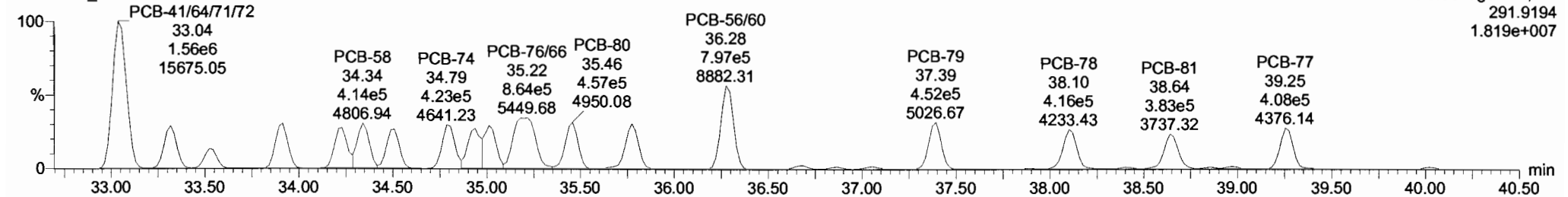
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PCB-68

191028K3_2

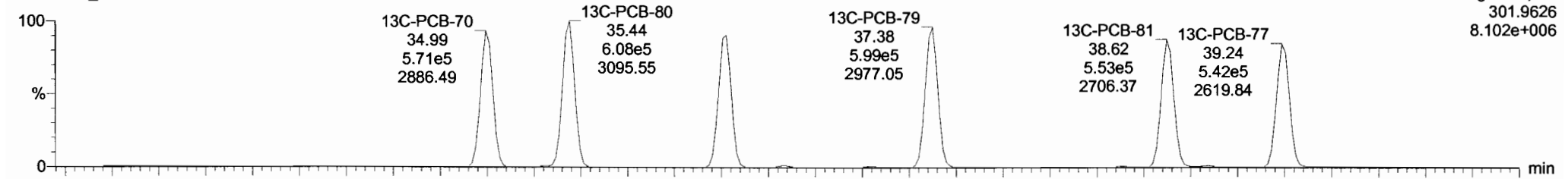


191028K3_2

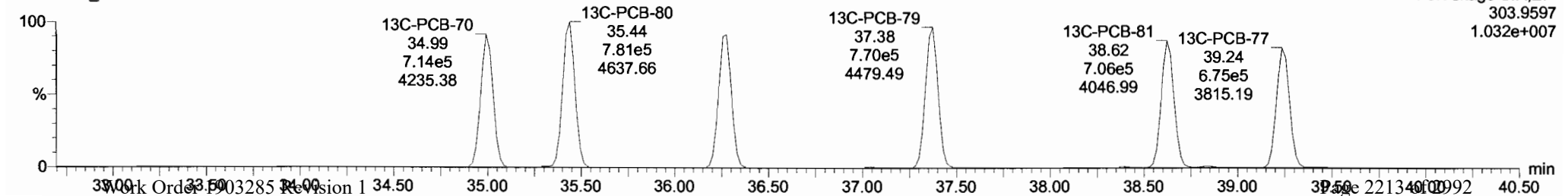


13C-PCB-60

191028K3_2



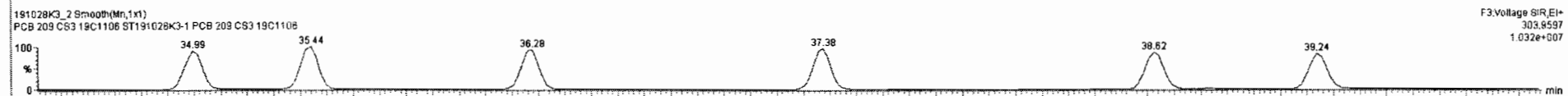
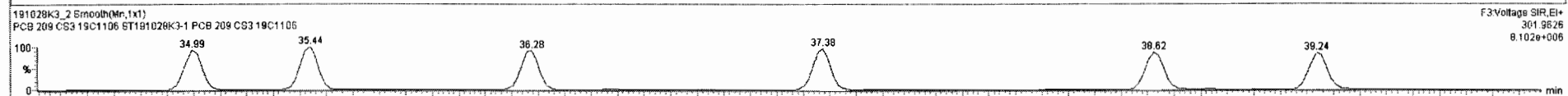
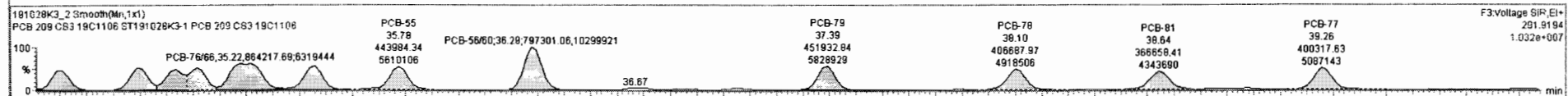
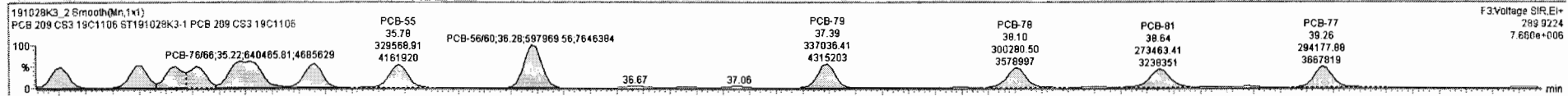
191028K3_2



191028K3_2 - ST191028K3-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wtAveI	Pred.RT	RT	Prod.R	RR1	RR1 Fail	Conc.	%Rec	DL	EMPC
221	13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.968	NO	82.81	82.8	0.0584	
222	13C-PCB-79	1.37e6	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	104.0	104	0.0575	
223	13C-PCB-178	4.36e5	0.46	NO	0.8748	1.000	45.49	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	183.3		0.0246	183.3
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	627.5		0.227	627.5
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	453.0		0.0886	453.0
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	755.5		0.581	755.5
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2226		0.740	2226
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2150		0.590	2150
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	257.4		0.160	257.4
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	723.41		0.1061	723.41

#	Name	Pred.RT	RT	wt Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.23	27.23	3.340e5	4.604e5	0.770	0.73	NO	52.501	52.501
2	33 PCB-50	28.44	28.44	2.507e5	3.441e5	0.770	0.73	NO	50.099	50.099
3	34 PCB-53	29.12	29.09	2.416e5	3.268e5	0.770	0.74	NO	52.663	52.663
4	35 PCB-51	29.46	29.45	2.815e5	3.854e5	0.770	0.73	NO	57.669	57.669
5	36 PCB-45	29.89	29.89	2.004e5	2.727e5	0.770	0.74	NO	51.827	51.827
6	37 PCB-46	30.40	30.40	1.886e5	2.589e5	0.770	0.73	NO	52.561	52.561
7	38 PCB-52/69	30.90	30.90	5.454e5	7.396e5	0.770	0.74	NO	104.19	104.19
8	39 PCB-73	31.02	31.01	3.245e5	4.361e5	0.770	0.74	NO	52.214	52.214
9	40 PCB-43/49	31.18	31.18	4.580e5	6.240e5	0.770	0.73	NO	101.89	101.89
10	41 PCB-47	31.38	31.40	2.246e5	3.092e5	0.770	0.73	NO	52.543	52.543



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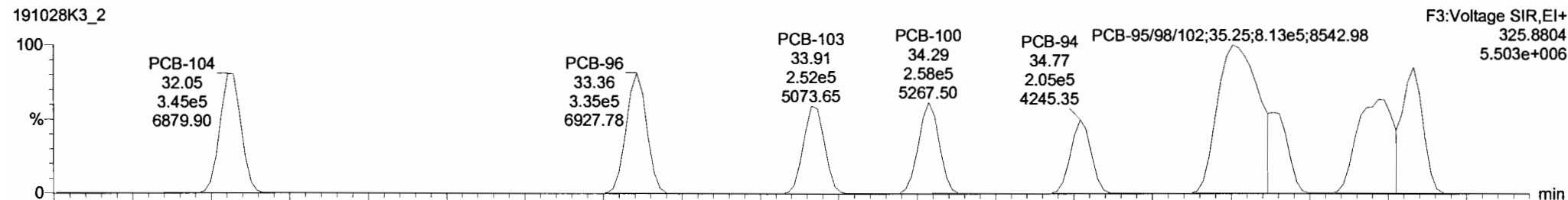
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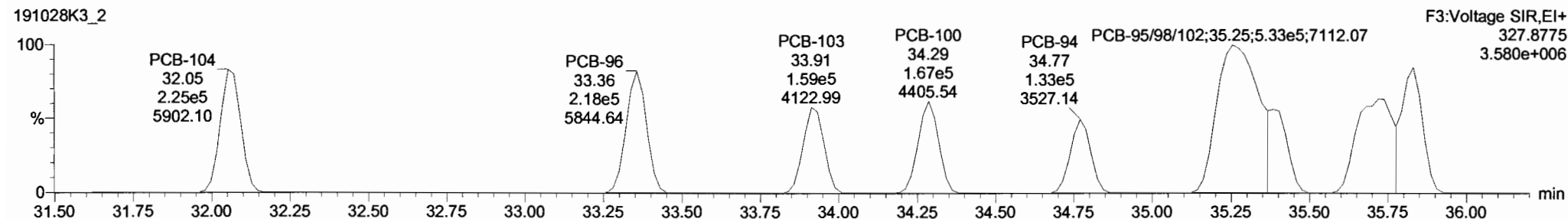
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PCB-96

191028K3_2

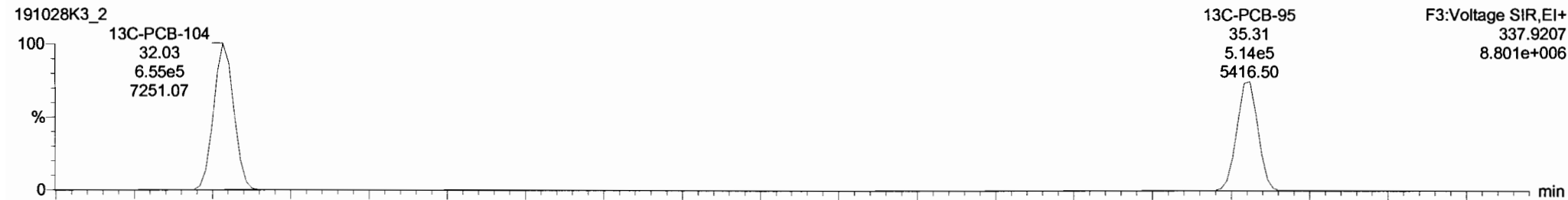


191028K3_2

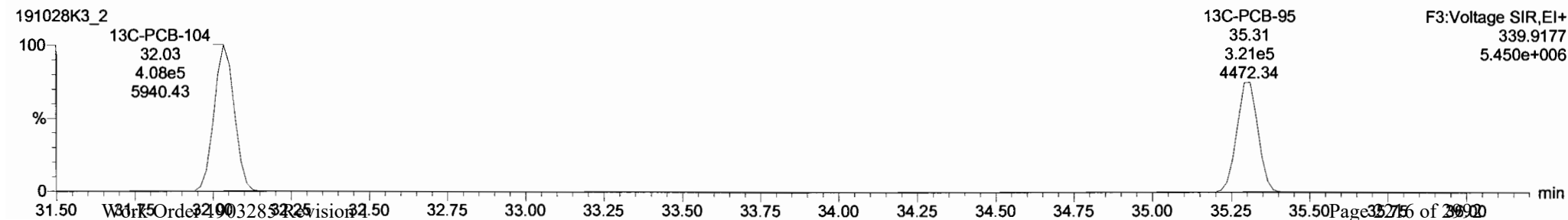


13C-PCB-95

191028K3_2



191028K3_2



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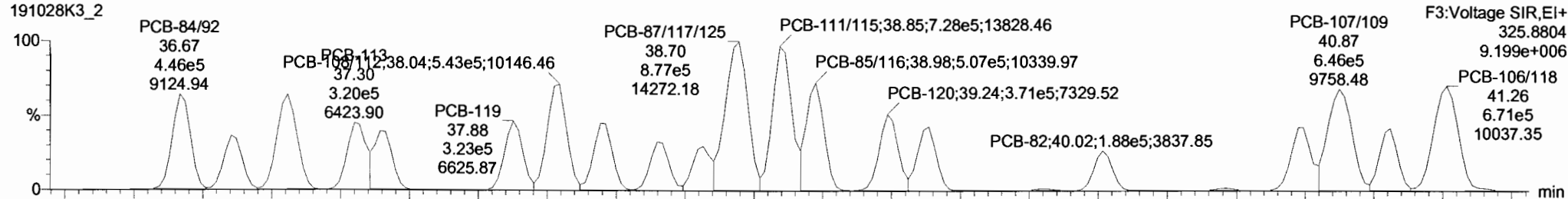
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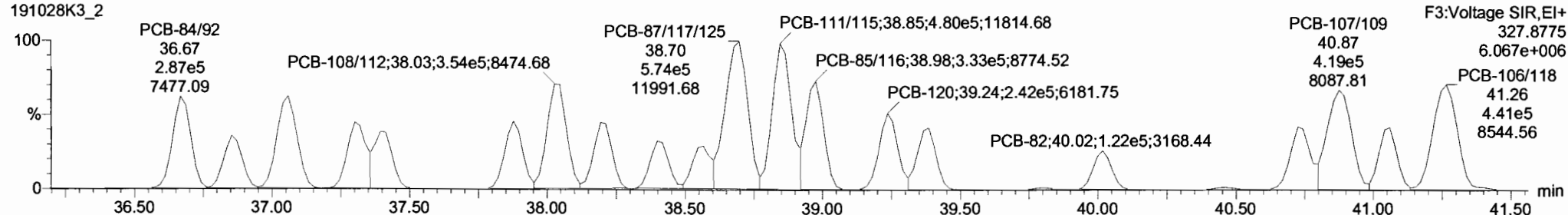
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PCB-119

191028K3_2

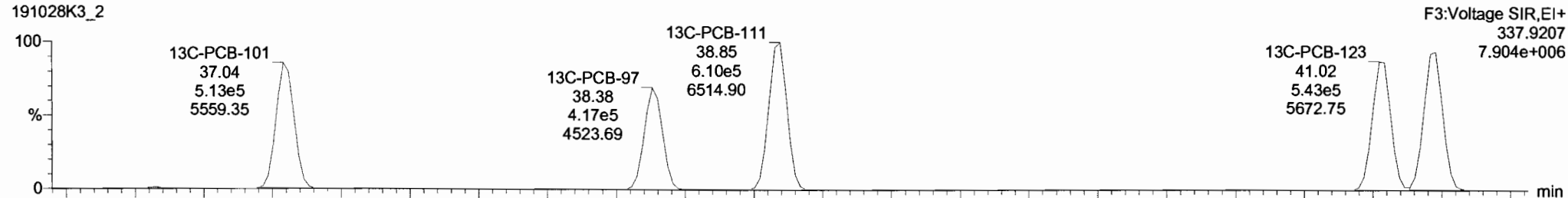


191028K3_2

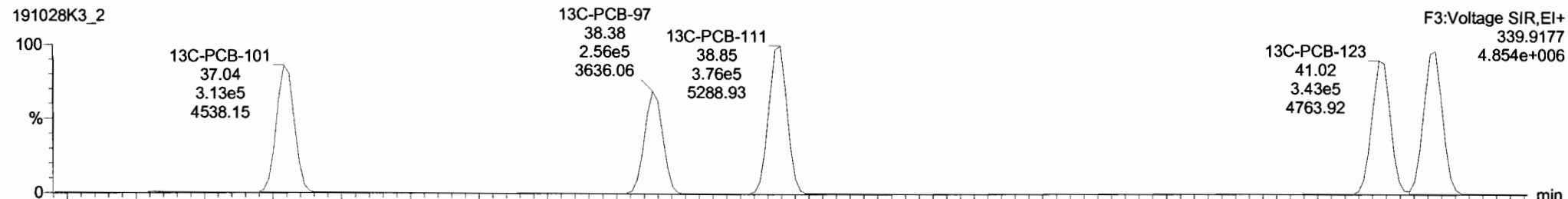


13C-PCB-111

191028K3_2

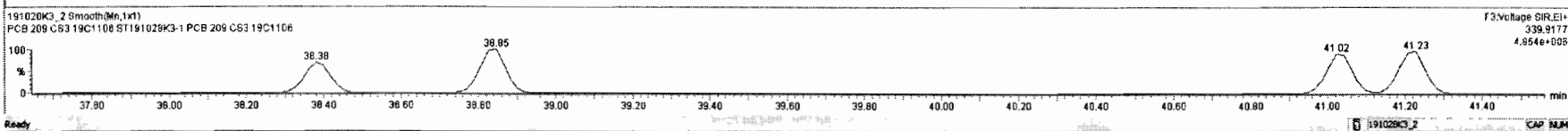
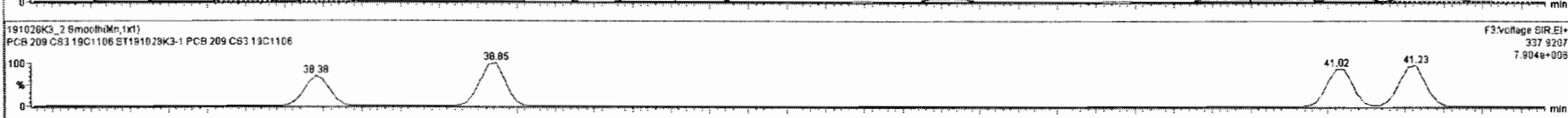
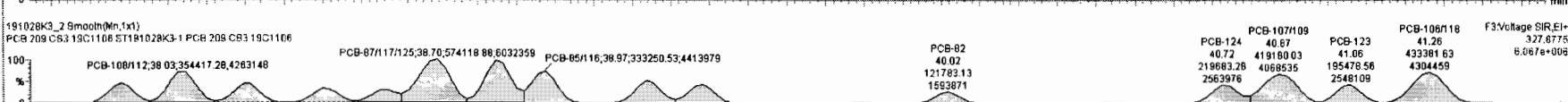


191028K3_2



#	Name	Resp	RA	n/y	RRF	wt/Nol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
221	221 13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0564	
222	222 13C-PCB-79	1.37e6	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	104.0	104	0.0575	
223	223 13C-PCB-178	4.36e5	0.46	NO	0.9749	1.000	45.49	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	183.3		0.0246	183.3
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	627.5		0.227	627.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	453.0		0.0886	453.0
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	795.5		0.581	795.5
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.000			NO	2226		0.740	2226
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	2150		0.593	2150
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	257.4		0.160	257.4
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	723.41		0.106	723.41

#	Name	Pred.RT	RT	wt Resp	wt2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	64 PCB-104	32.05	32.05	3.449e5	2.253e5	1.560	1.53	NO	53.922	53.922
2	65 PCB-98	33.35	33.35	3.347e5	2.194e5	1.560	1.53	NO	52.254	52.254
3	66 PCB-103	33.92	33.91	2.525e5	1.590e5	1.560	1.59	NO	49.945	49.945
4	67 PCB-100	34.28	34.28	2.576e5	1.670e5	1.560	1.54	NO	51.359	51.358
5	68 PCB-94	34.80	34.77	2.047e5	1.328e5	1.560	1.54	NO	52.227	52.227
6	69 PCB-95/99/102	35.28	35.25	8.129e5	5.327e5	1.560	1.53	NO	159.78	159.78
7	70 PCB-93	35.99	35.98	2.142e5	1.404e5	1.560	1.52	NO	50.499	50.499
8	71 PCB-88/91	36.73	36.72	4.475e5	2.943e5	1.560	1.52	NO	99.847	99.847
9	72 PCB-121	36.85	36.83	3.851e5	2.390e5	1.560	1.53	NO	52.104	52.104
10	73 PCB-84/92	36.88	36.67	4.459e5	2.968e5	1.560	1.55	NO	101.00	101.00



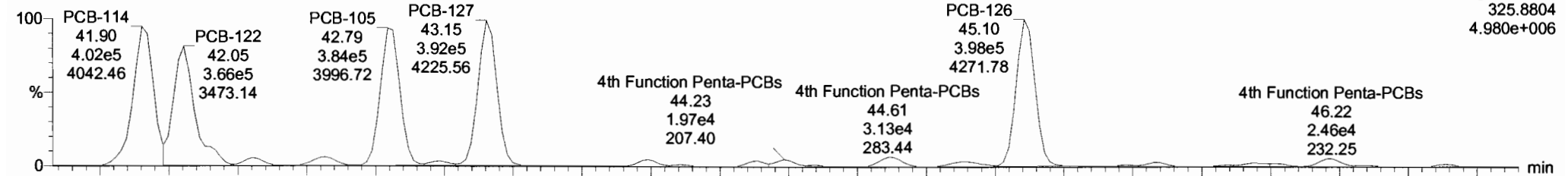
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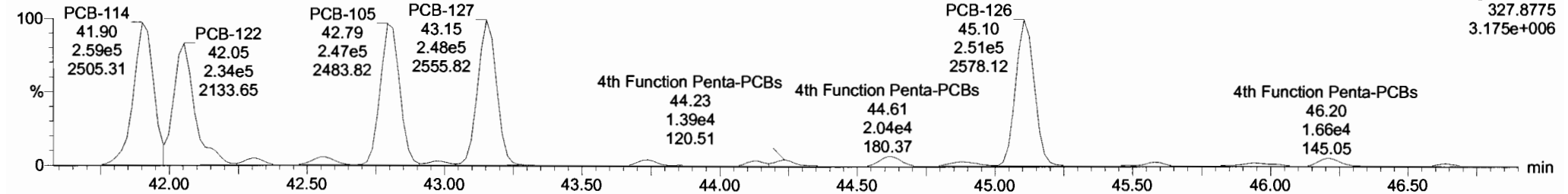
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PCB-114

191028K3_2

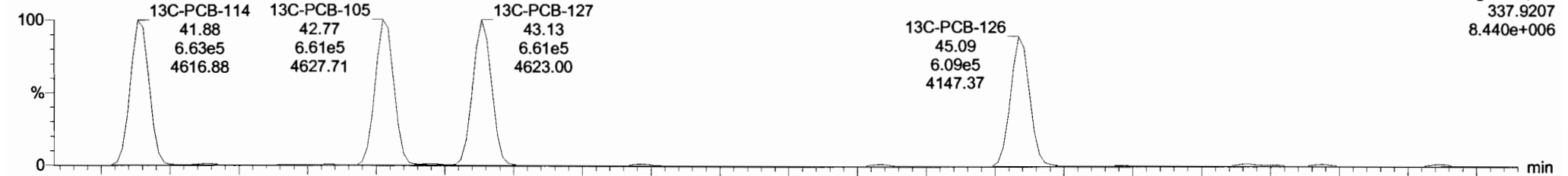


191028K3_2

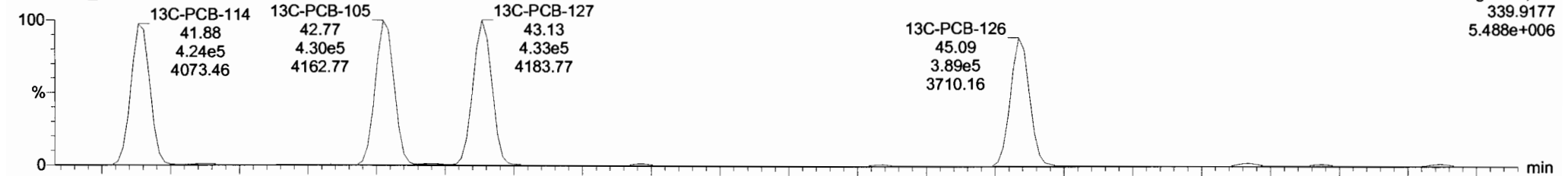


13C-PCB-114

191028K3_2

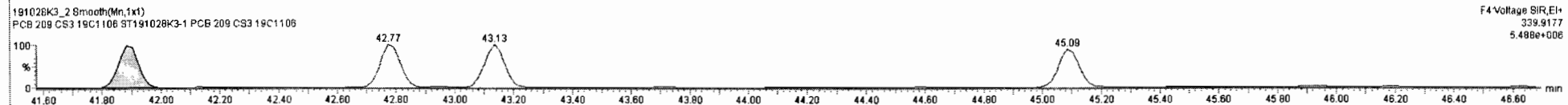
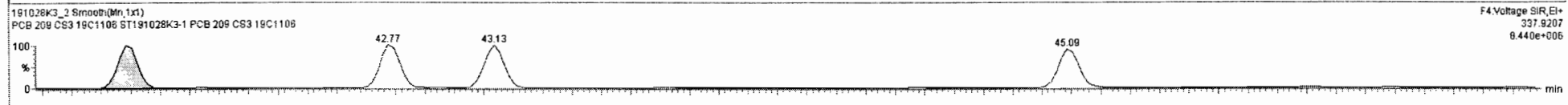
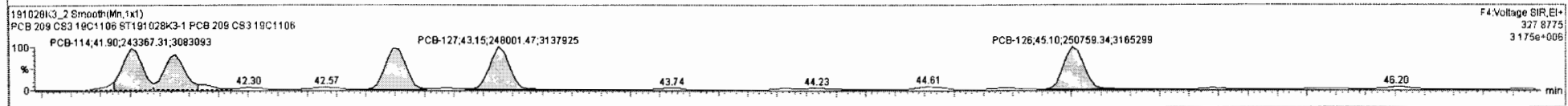
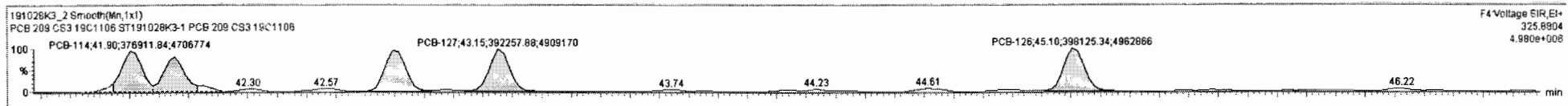


191028K3_2



#	Name	Resp	RA	nV	RFR	wVvol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0564	
222	222 13C-PCB-79	1.37e6	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.968	NO	104.0	104	0.0575	
223	223 13C-PCB-178	4.36e5	0.46	NO	0.9749	1.000	45.49	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	183.3		0.0246	183.3
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	627.5		0.227	627.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	453.0		0.0886	453.0
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	755.5		0.581	755.5
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2226		0.740	2226
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2150		0.590	2150
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	259.6		0.180	259.6
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	723.4		0.106	723.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nV	EMPC	Conc.
1	88 PCB-114	41.90	41.90	3.769e5	2.434e5	1.560	1.55	NO	49.115	49.115
2	94 PCB-122	42.03	42.05	3.323e5	2.133e5	1.560	1.56	NO	51.605	51.605
3	95 PCB-105	42.79	42.79	3.841e5	2.470e5	1.550	1.56	NO	52.542	52.542
4	96 PCB-127	43.15	43.15	3.923e5	2.480e5	1.560	1.58	NO	52.783	52.783
5	97 PCB-126	45.10	45.10	3.981e5	2.508e5	1.560	1.59	NO	53.577	53.577



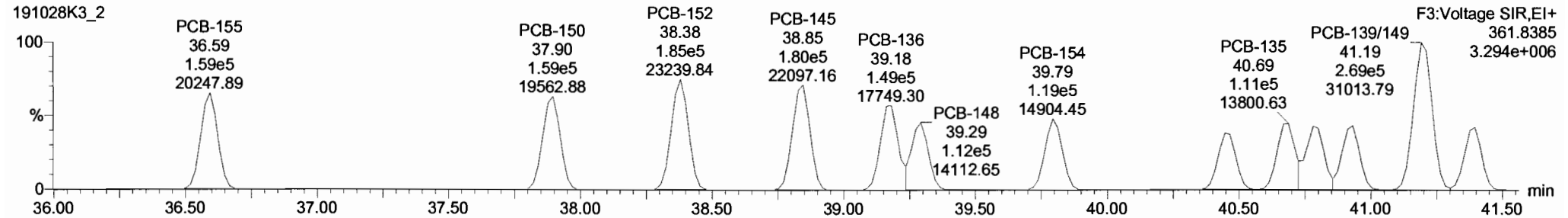
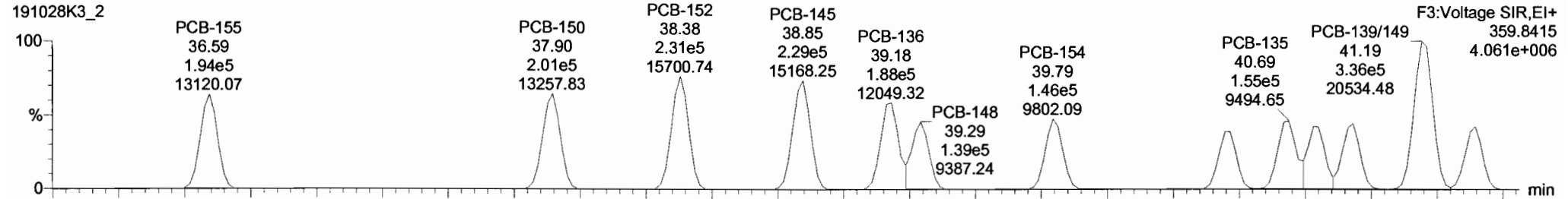
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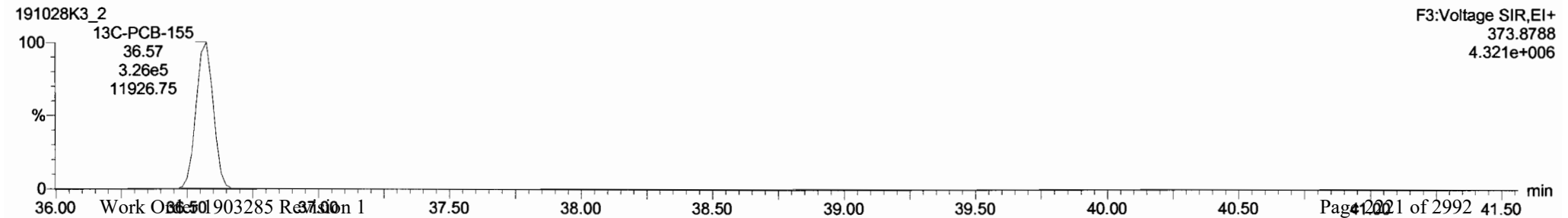
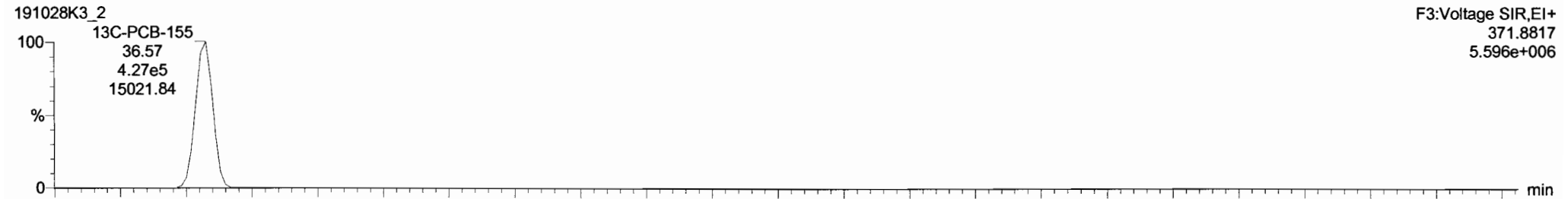
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PCB-155



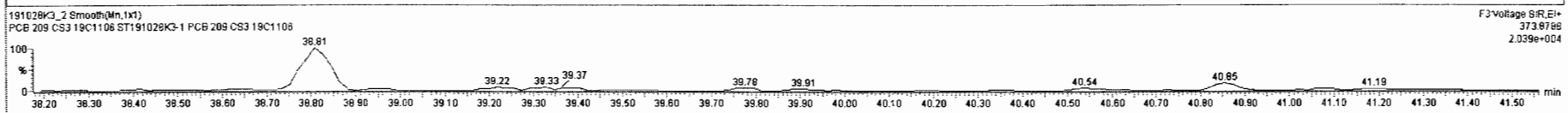
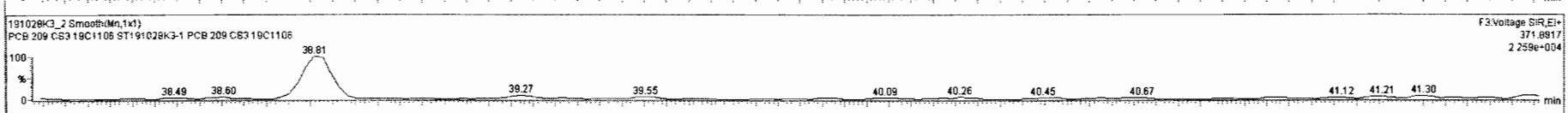
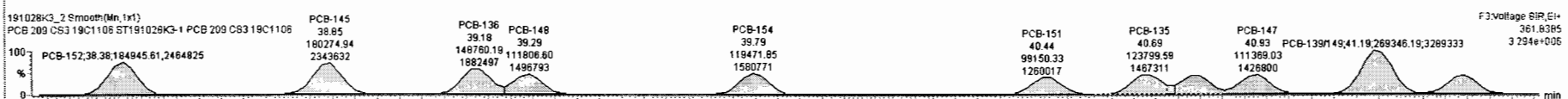
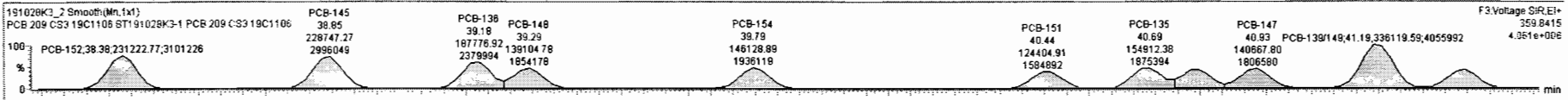
13C-PCB-155



191028K3-2-ST191028K3-1 PCB 209 CS3 19C1106 PCB 209 CS3 19C1106

#	Name	Resp	RA	nY	RRF	wVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	13C-PCB-178	4.36e5	0.46	NO	0.8746	1.000	45.45	45.45	0.988	0.988	NO	82.81	82.8	0.0584	
222	13C-PCB-78	1.37e6	0.78	NO	1.0454	1.000	37.37	37.38	0.967	0.966	NO	104.0	104	0.0575	
223	13C-PCB-178	4.36e5	0.46	NO	0.9749	1.000	45.45	45.45	0.924	0.923	NO	102.1	102	0.0707	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	183.3		0.0246	183.3
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	627.5		0.227	627.5
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	453.0		0.0886	453.0
227	227 3rd Function Tri-PCBs				1.0583	1.000	0.00		0.000		NO	755.5		0.581	755.5
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2226		0.740	2226
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2150		0.590	2150
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	259.6		0.160	259.6
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	723.4		0.106	723.4

#	Name	Pred RT	RT	Int Resp	1* Ratio (Pred)	RA	nY	EMPC	Conc.
1	99 PCB-155	36.59	36.59	1.509e5	1.587e5	1.240	1.22	NO	53.645
2	99 PCB-150	37.90	37.90	2.007e5	1.588e5	1.240	1.26	NO	54.259
3	100 PCB-152	38.40	38.38	2.312e5	1.849e5	1.240	1.25	NO	55.081
4	101 PCB-145	38.85	38.85	2.287e5	1.803e5	1.240	1.27	NO	54.392
5	102 PCB-136	39.18	39.18	1.879e5	1.488e5	1.240	1.26	NO	53.064
6	103 PCB-148	39.31	39.29	1.391e5	1.118e5	1.240	1.24	NO	48.110
7	104 PCB-154	39.80	39.78	1.481e5	1.195e5	1.240	1.22	NO	48.773
8	105 PCB-151	40.46	40.44	1.244e5	9.915e4	1.240	1.25	NO	47.021
9	106 PCB-135	40.69	40.69	1.549e5	1.238e5	1.240	1.25	NO	51.753
10	107 PCB-144	40.80	40.78	1.300e5	1.051e5	1.240	1.24	NO	46.886

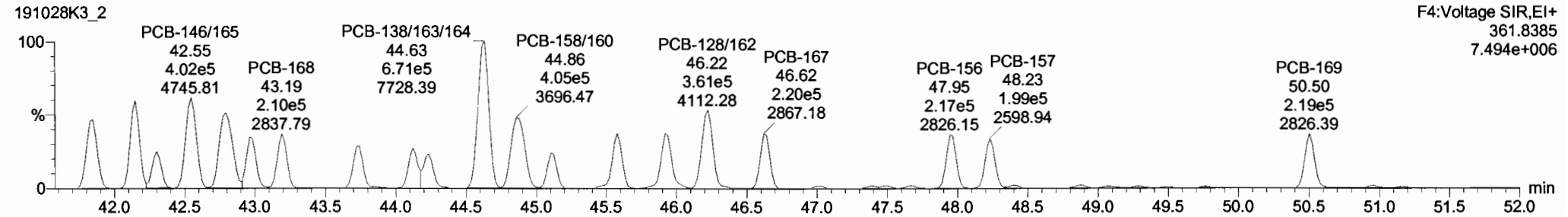
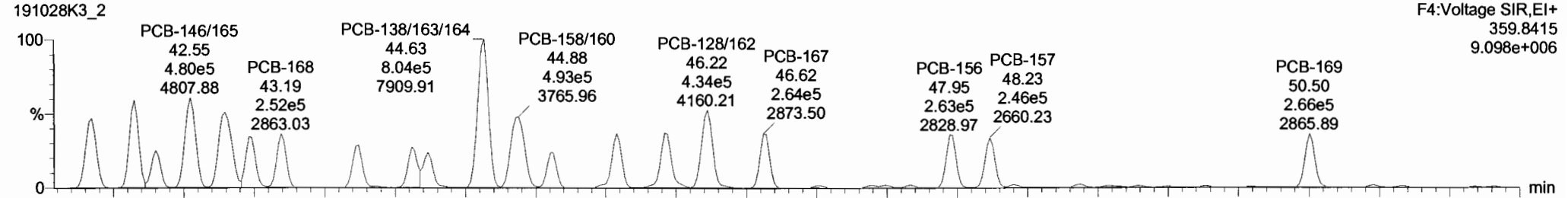


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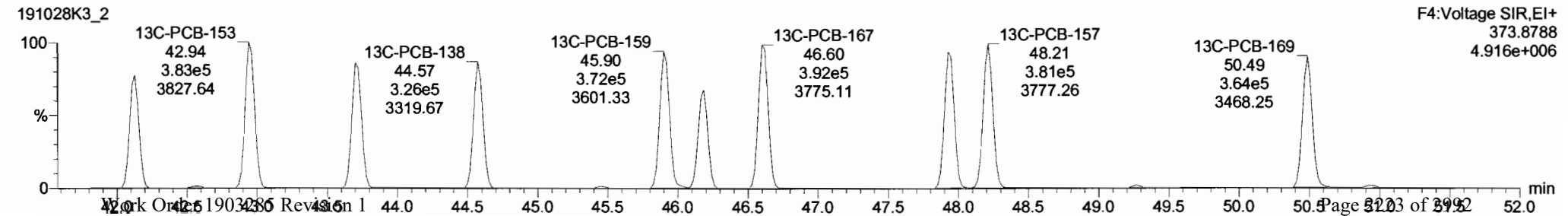
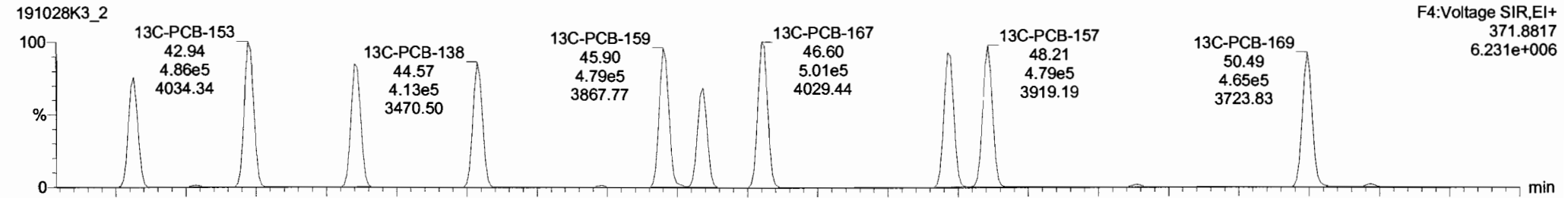
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Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143



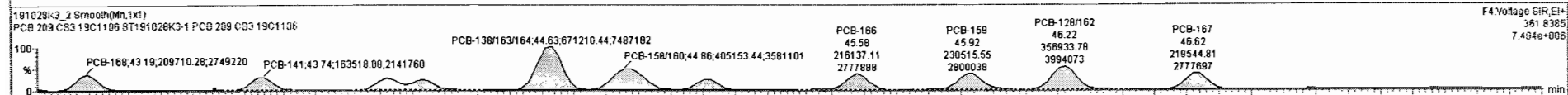
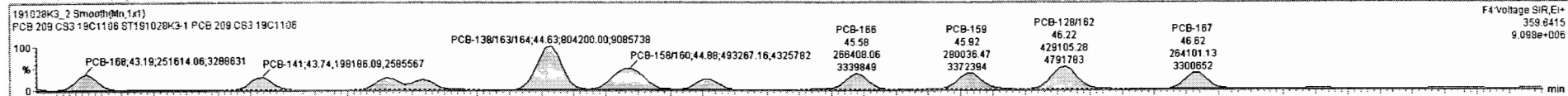
13C-PCB-153



191028K3_2 - ST191028K3-1 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wtAvcl	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1473		0.652	1473
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1205		0.765	1205
234	234 4th Function Octa-PCBs				0.8663	1.000	0.00		0.000		NO	446.2		0.139	446.2
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	152.7		0.0670	152.7
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	150.8		0.0847	150.8
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	52.51		0.00425	52.51
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														

#	Name	Pred.RT	RT	Int Resp	Int2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	41.87	41.85	3.739e5	3.080e5	1.240	1.21	NO	107.00	107.00
2	112 PCB-131/133	42.15	42.15	4.097e5	3.361e5	1.240	1.22	NO	108.51	108.61
3	113 PCB-142	42.30	42.30	1.746e5	1.400e5	1.240	1.25	NO	51.130	51.130
4	114 PCB-148/165	42.55	42.55	4.795e5	4.015e5	1.240	1.19	NO	105.67	105.67
5	115 PCB-132/161	42.78	42.78	5.020e5	4.150e5	1.240	1.21	NO	108.29	108.29
6	116 PCB-153	42.96	42.96	2.510e5	2.049e5	1.240	1.22	NO	51.832	51.832
7	117 PCB-168	43.19	43.19	2.516e5	2.097e5	1.240	1.20	NO	52.074	52.074
8	118 PCB-141	43.72	43.74	1.982e5	1.635e5	1.240	1.21	NO	49.758	49.758
9	119 PCB-137	44.10	44.12	1.854e5	1.508e5	1.240	1.23	NO	45.309	45.309
10	120 PCB-130	44.21	44.23	1.686e5	1.390e5	1.240	1.22	NO	48.562	48.562



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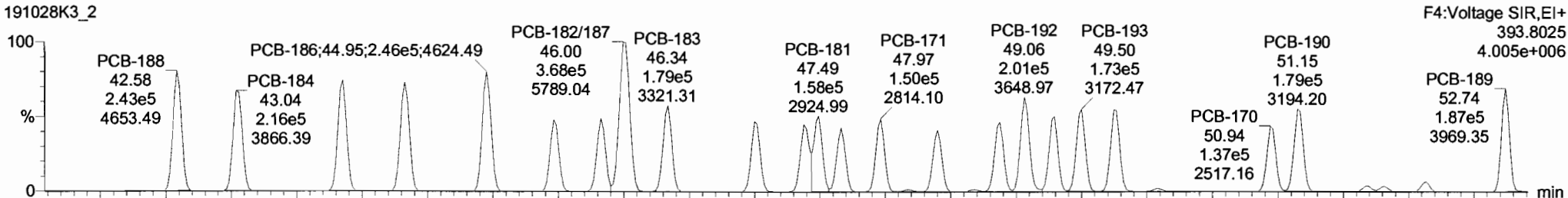
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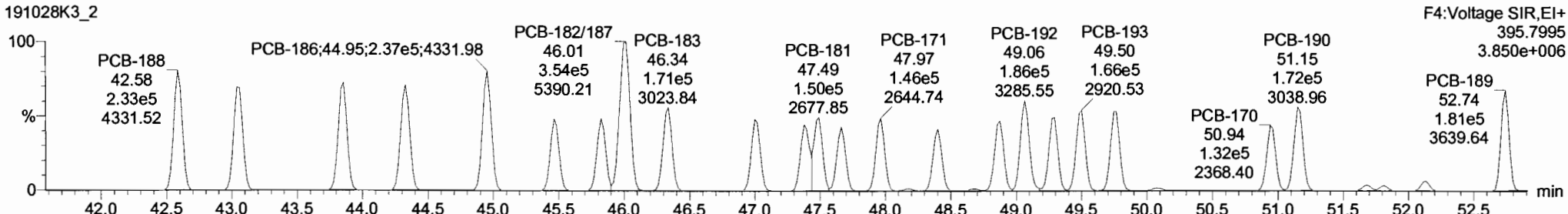
PCB-188

191028K3_2



F4:Voltage SIR,EI+
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4.005e+006

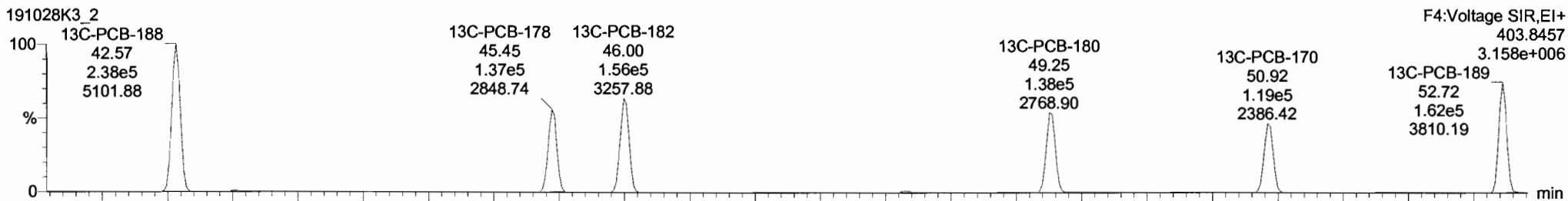
191028K3_2



F4:Voltage SIR,EI+
395.7995
3.850e+006

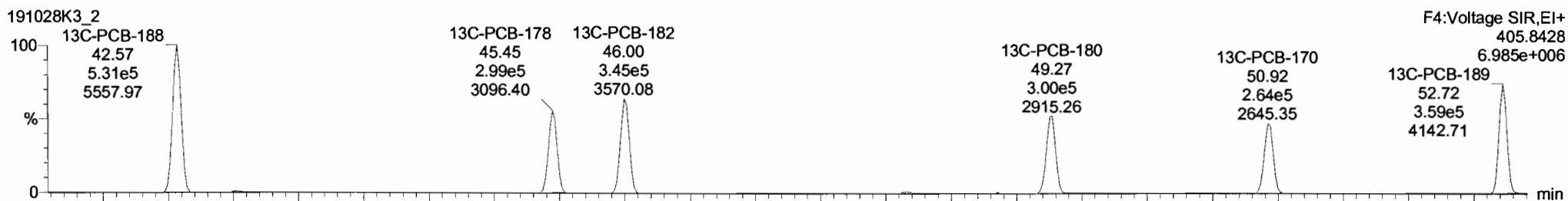
13C-PCB-188

191028K3_2



F4:Voltage SIR,EI+
403.8457
3.158e+006

191028K3_2



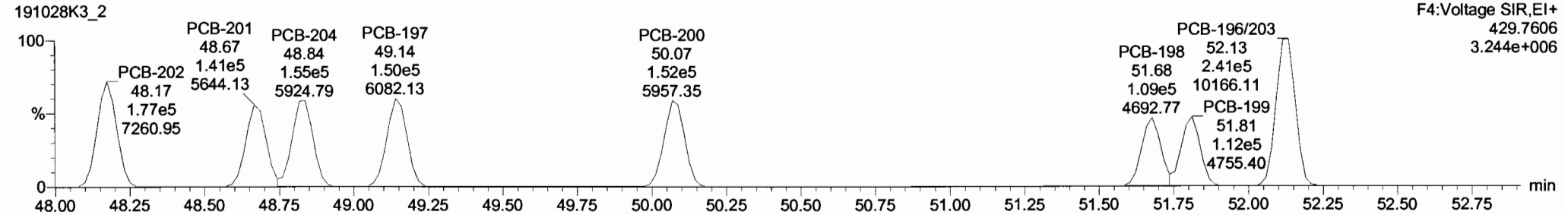
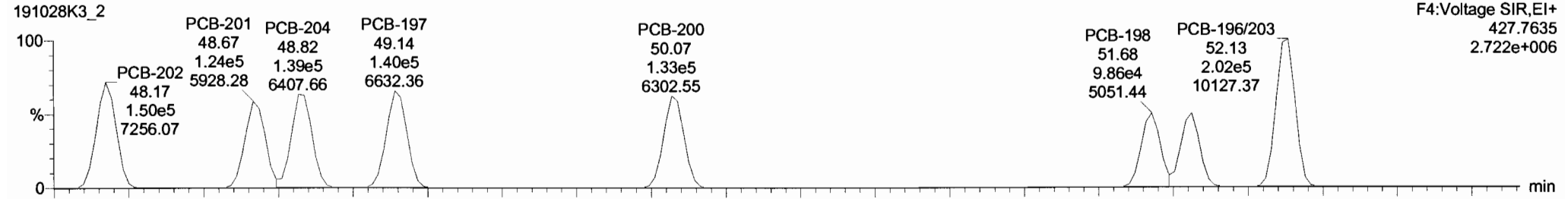
F4:Voltage SIR,EI+
405.8428
6.985e+006

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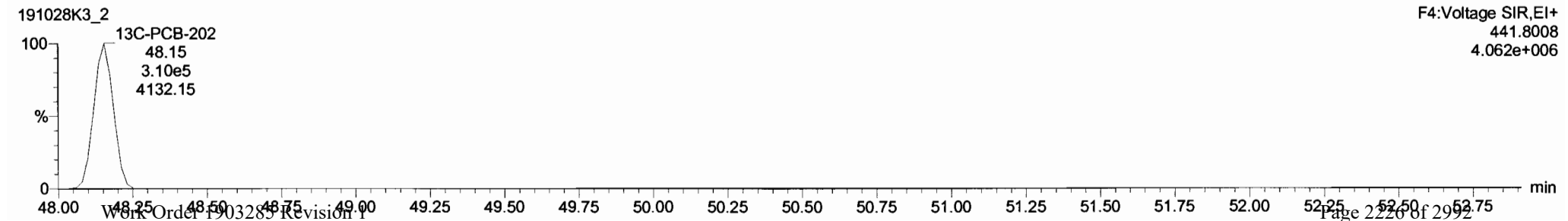
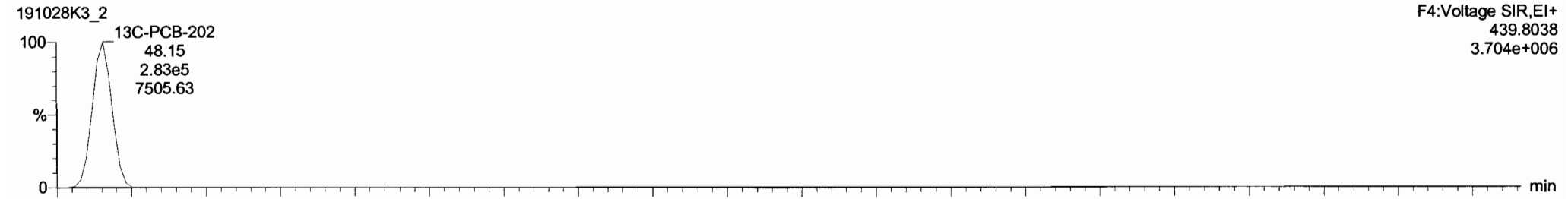
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PCB-202



13C-PCB-202

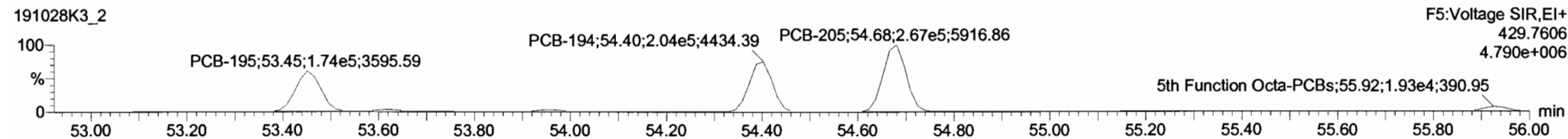
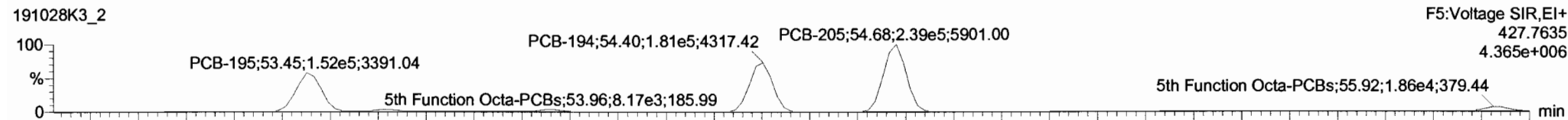


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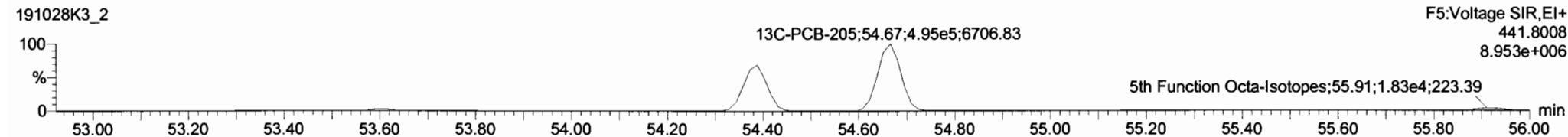
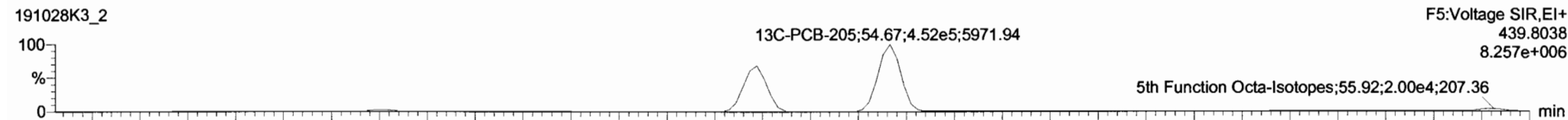
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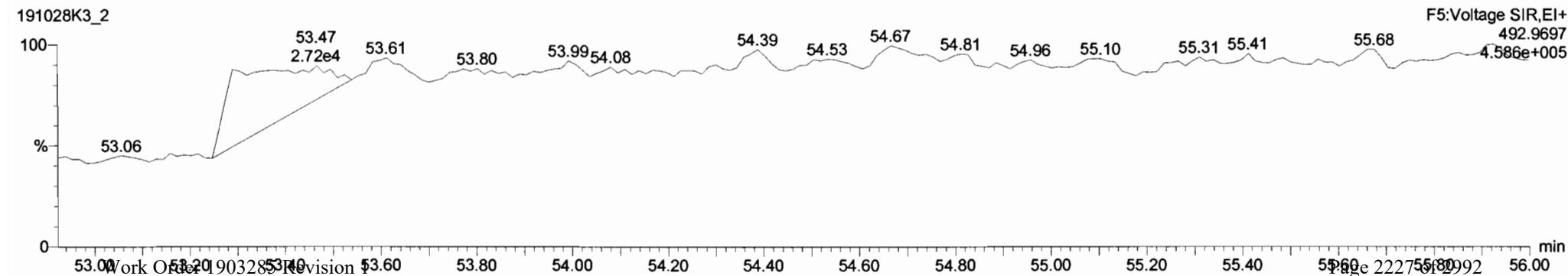
PCB-195



13C-PCB-194



PFK5



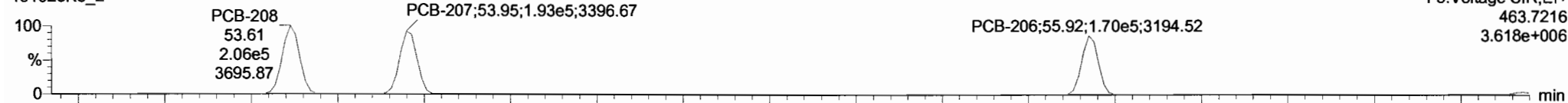
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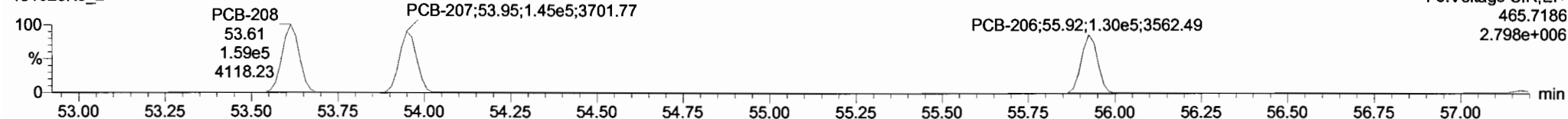
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PCB-208

191028K3_2

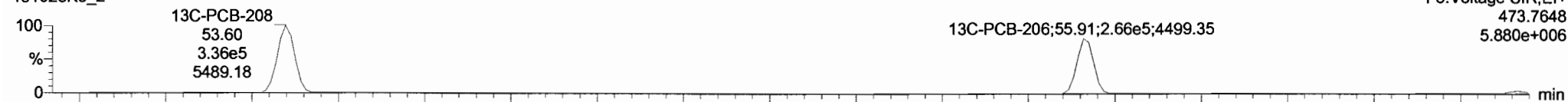


191028K3_2

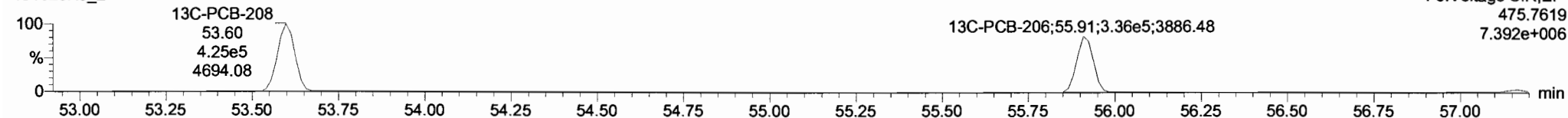


13C-PCB-208

191028K3_2

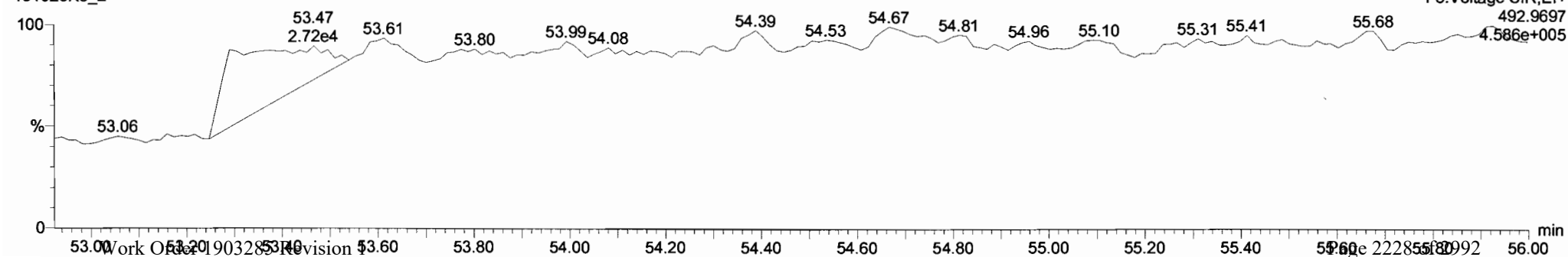


191028K3_2



PFK5

191028K3_2



Dataset: Untitled

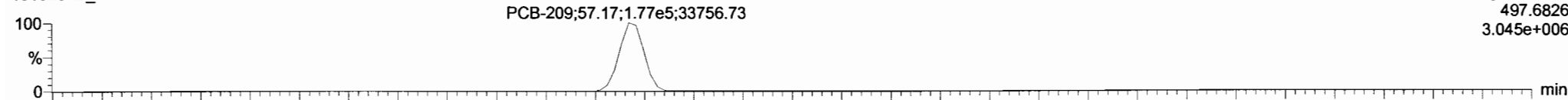
Last Altered: Tuesday, October 29, 2019 07:30:35 Pacific Daylight Time

Printed: Tuesday, October 29, 2019 07:31:19 Pacific Daylight Time

Name: 191028K3_2, Date: 29-Oct-2019, Time: 03:58:48, ID: ST191028K3-1 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

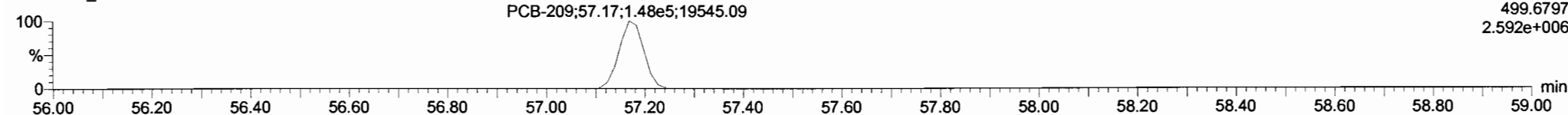
PCB-209

191028K3_2



F5:Voltage SIR,EI+
497.6826
3.045e+006

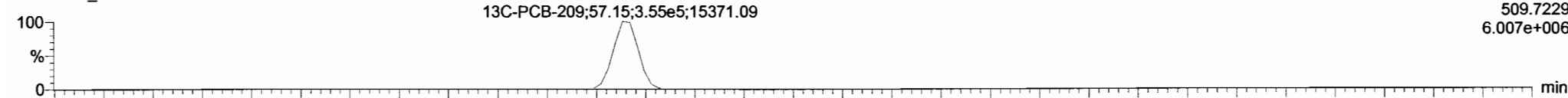
191028K3_2



F5:Voltage SIR,EI+
499.6797
2.592e+006

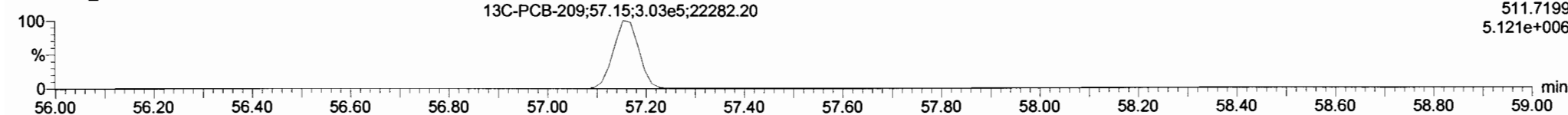
13C-PCB-209

191028K3_2



F5:Voltage SIR,EI+
509.7229
6.007e+006

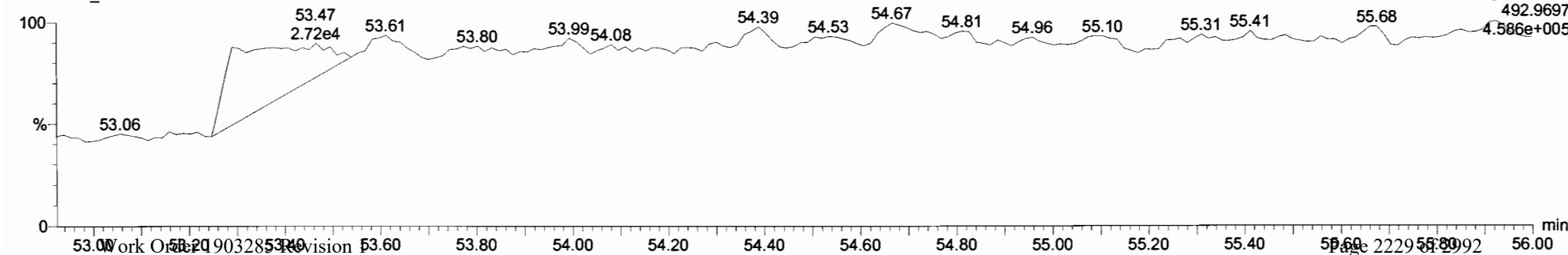
191028K3_2



F5:Voltage SIR,EI+
511.7199
5.121e+006

PFK5

191028K3_2



F5:Voltage SIR,EI+
492.9697
4.586e+005

Experiment Calibration Report

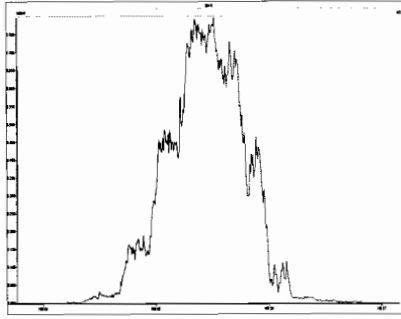
MassLynx 4.1 SCN815

File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

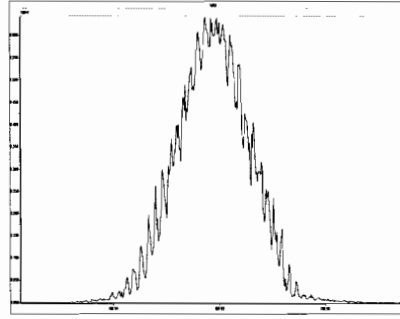
Printed: Tuesday, October 29, 2019 11:25:29 Pacific Daylight Time

*Manually printed
ok
No charge on
line.
some PFK added
14 10 29 19*

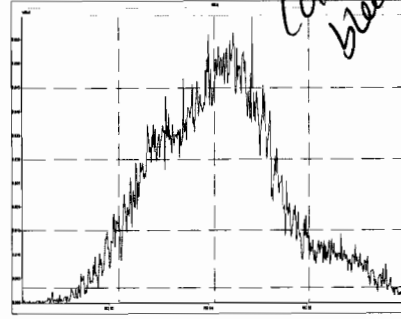
M 168.9888 R 12133



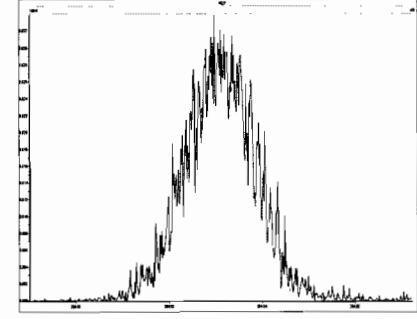
M 180.9888 R 12957



M 192.9888 R 6544



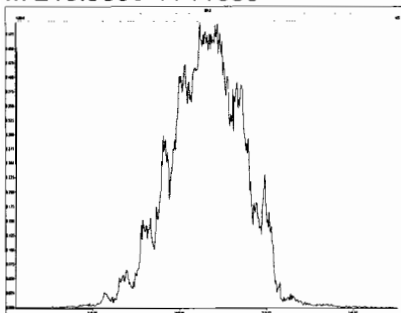
M 204.9888 R 14970



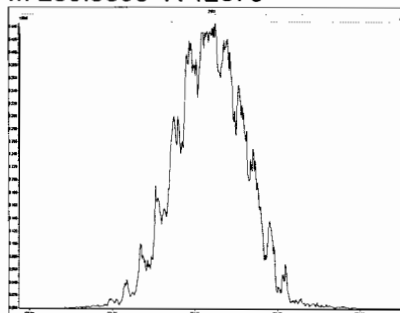
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Printed: Tuesday, October 29, 2019 11:25:56 Pacific Daylight Time

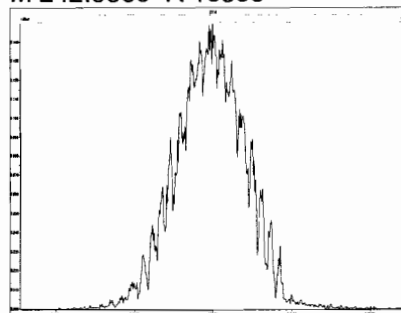
M 218.9856 R 11630



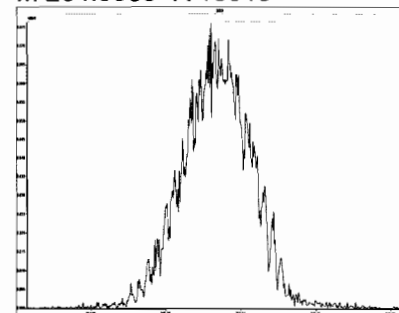
M 230.9856 R 12375



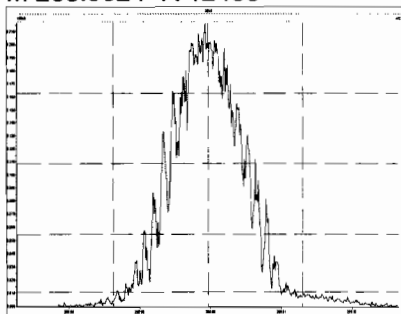
M 242.9856 R 13889



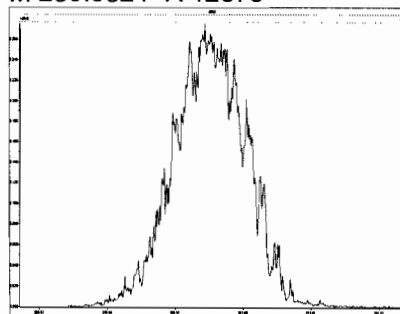
M 254.9856 R 13018



M 268.9824 R 12499



M 280.9824 R 12379



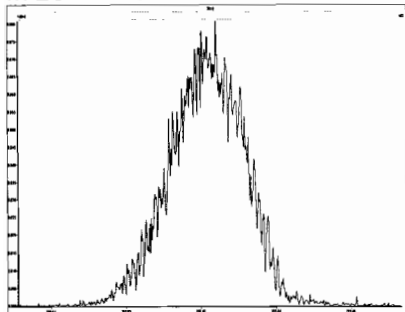
Experiment Calibration Report

MassLynx 4.1 SCN815

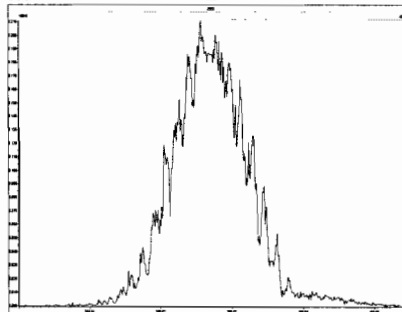
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, October 29, 2019 11:26:52 Pacific Daylight Time

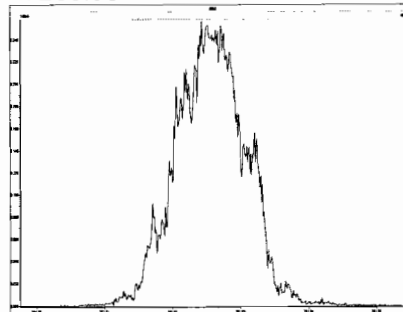
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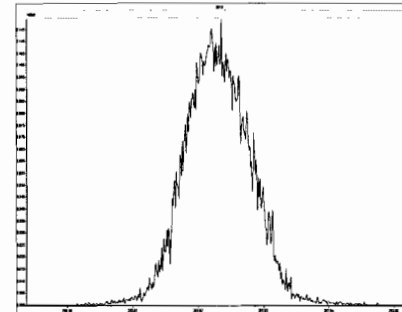
M 268.9824 R 12315



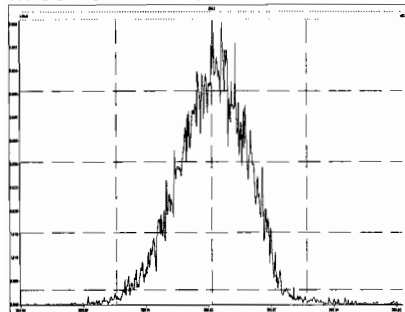
M 280.9824 R 13295



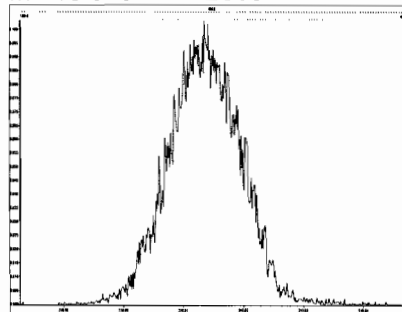
M 292.9824 R 13084



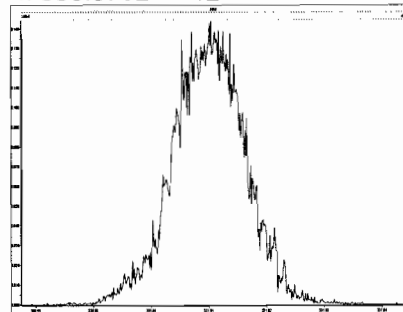
M 304.9824 R 12562



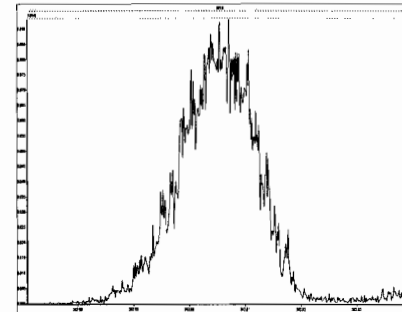
M 318.9792 R 12560



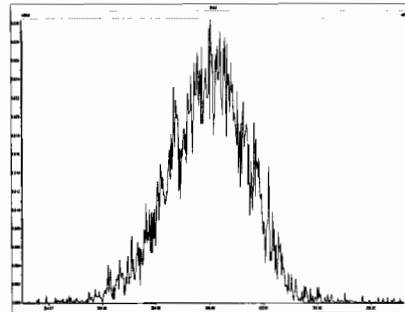
M 330.9792 R 12078



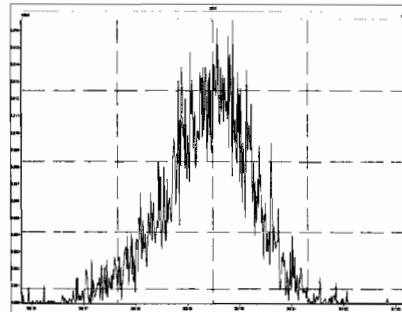
M 342.9792 R 11736



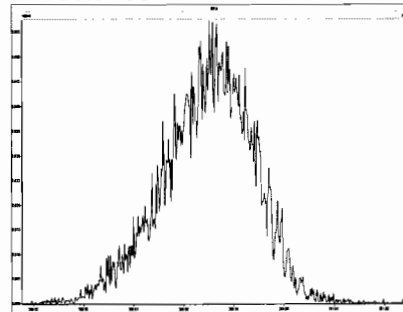
M 354.9792 R 11739



M 366.9792 R 11463



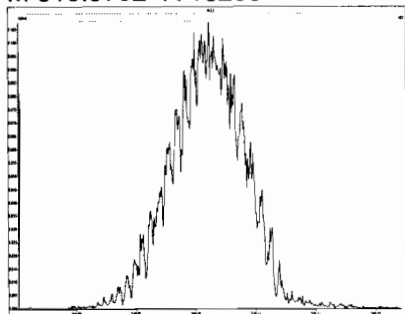
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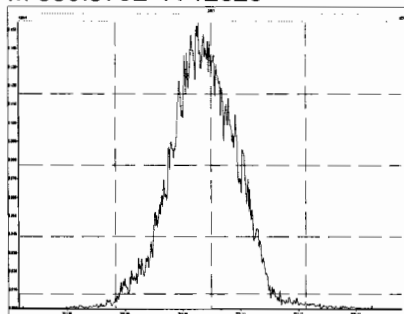
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, October 29, 2019 11:27:44 Pacific Daylight Time

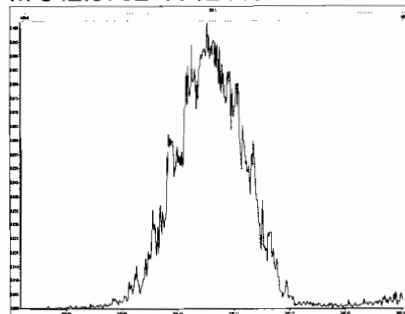
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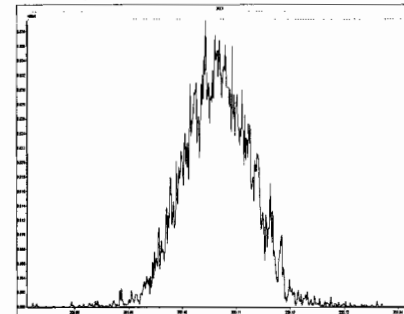
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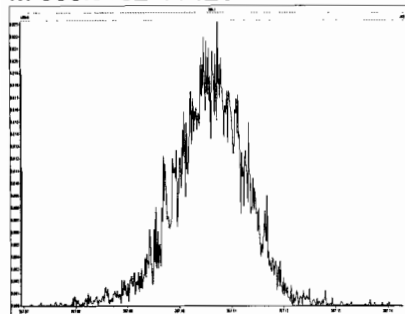
M 342.9792 R 12440



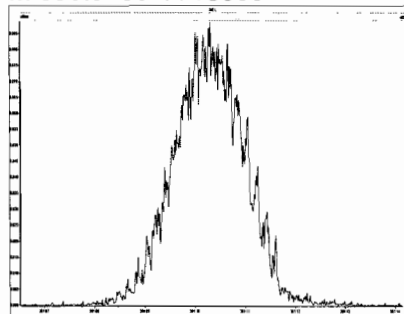
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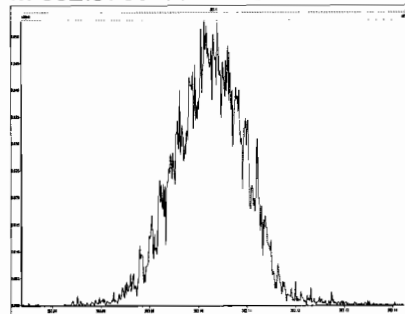
M 366.9792 R 12023



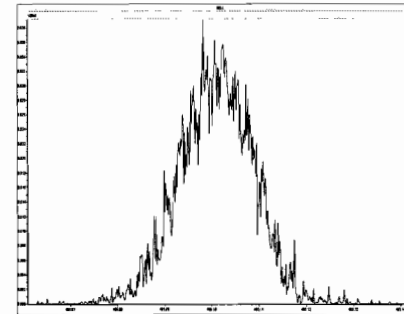
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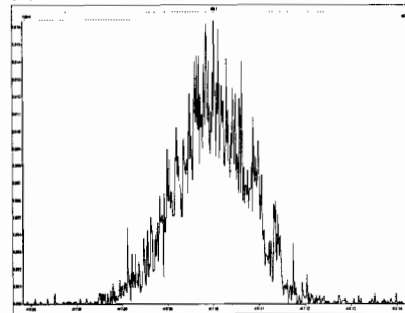
M 392.9760 R 13228



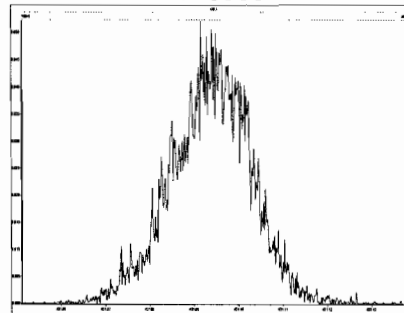
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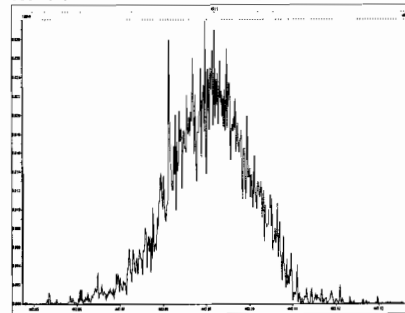
M 416.9760 R 12497



M 430.9728 R 10965



M 442.9728 R 11520



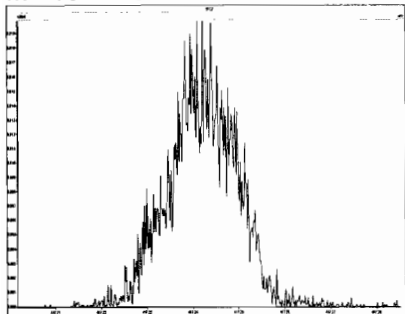
Experiment Calibration Report

MassLynx 4.1 SCN815

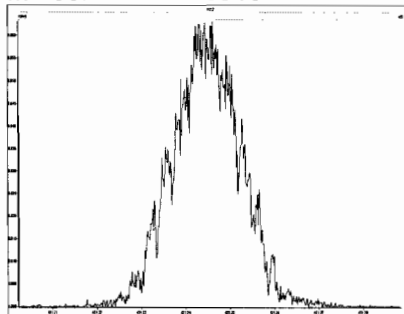
File: Experiment: PCB_ZB1.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, October 29, 2019 11:28:18 Pacific Daylight Time

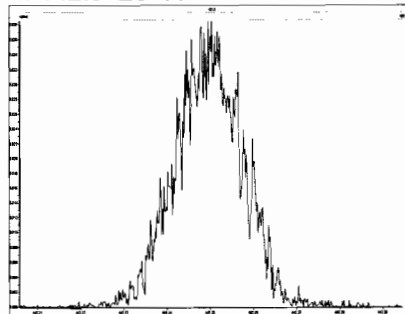
M 416.9760 R 14883



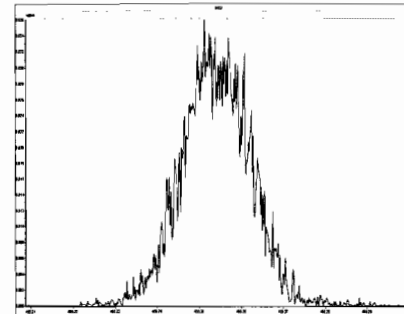
M 430.9728 R 13813



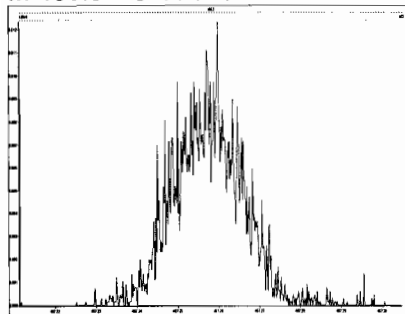
M 442.9728 R 14044



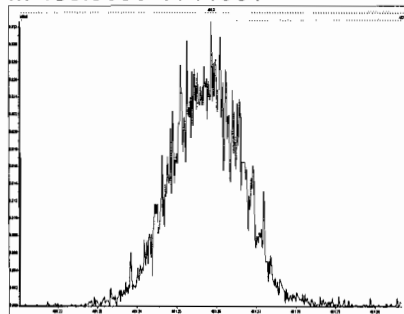
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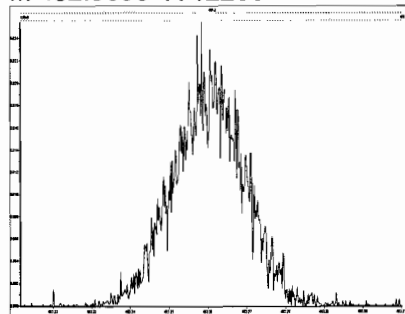
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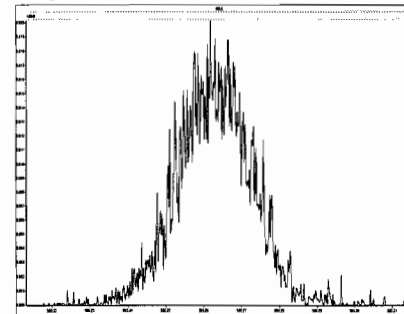
M 480.9696 R 11961



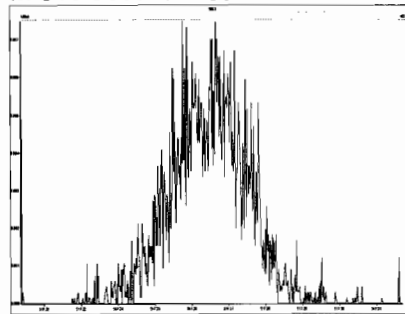
M 492.9696 R 12253



M 504.9696 R 11902



M 516.9697 R 13966



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST91023KB-1

Reviewed By: EL 10.24.19

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox" value="NA"/>
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input type="checkbox" value="NA"/>	<input type="checkbox"/>
First and last eluters present?	<input type="checkbox" value="NA"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(ST-Year-Month-Day-VG ID)		
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>✓</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Samples within 12 hour clock?	<input type="checkbox" value="Y"/>	<input type="checkbox" value="N"/>
- Bottle position verified?		<u>GRB</u>

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly? Beg. End

GC Break <20%

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

Comments:

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-2.qld

Last Altered: Thursday, October 24, 2019 09:19:09 Pacific Daylight Time

Printed: Thursday, October 24, 2019 09:20:20 Pacific Daylight Time

EL 10/24/19
GRB 10/24/19

Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2 Hexachlorobenzene	2.73e6	2.93e6	1.19	NO	0.840	1.000	23.12	23.11	1.001	1.001	NO	55.4	111	0.00348	55.4
2	3 Alpha-BHC	9.00e5	1.08e6	2.12	NO	0.751	1.000	23.69	23.67	1.001	1.002	NO	55.4	111	0.0622	55.4
3	4 Lindane (gamma-BHC)	7.11e5	8.65e5	2.10	NO	0.717	1.000	27.00	27.00	1.001	1.001	NO	57.3	115	0.0915	57.3
4	5 Beta-BHC	6.17e5	6.34e5	2.12	NO	0.870	1.000	29.00	29.02	1.001	1.000	NO	55.9	112	0.0883	55.9
5	6 Delta-BHC	6.46e5	7.19e5	2.10	NO	0.817	1.000	30.68	30.68	1.001	1.001	NO	54.9	110	0.0759	54.9
6	7 Heptachlor	4.56e5	4.78e5	1.08	NO	0.868	1.000	29.15	29.15	1.001	1.001	NO	54.9	110	0.0480	54.9
7	9 Aldrin	6.16e5	5.78e5	1.59	NO	0.946	1.000	31.25	31.25	1.001	1.001	NO	56.3	113	0.0445	56.3
8	10 Oxychlorane	1.58e5	1.60e5	1.57	NO	0.926	1.000	33.82	33.82	1.000	1.001	NO	53.3	107	0.149	53.3
9	11 cis-Heptachlor Epoxide	2.24e5	2.17e5	1.61	NO	0.937	1.000	34.61	34.61	1.000	1.001	NO	55.3	111	0.103	55.3
10	12 trans-Heptachlor Epox...	5.42e4	2.17e5	1.54	NO	0.238	1.000	35.11	35.10	1.015	1.015	NO	52.5	105	0.404	52.5
11	13 trans-Chlordane (gam...	1.91e5	1.79e5	1.60	NO	0.980	1.000	35.50	35.51	1.001	1.001	NO	54.3	109	0.108	54.3
12	14 trans-Nonachlor	1.98e5	1.97e5	1.57	NO	0.902	1.000	35.69	35.70	1.001	1.001	NO	55.8	112	0.110	55.8
13	15 cis-Chlordane	1.96e5	1.97e5	1.61	NO	0.899	1.000	36.18	36.18	1.014	1.014	NO	55.3	111	0.110	55.3
14	16 Endosulfan I (alpha)	1.21e5	1.12e5	1.64	NO	1.03	1.000	36.29	36.30	1.001	1.001	NO	52.2	104	0.162	52.2
15	18 2,4'-DDE	2.86e6	3.32e6	1.25	NO	0.758	1.000	36.16	36.17	1.000	1.000	NO	56.8	114	0.0892	56.8
16	19 4,4'-DDE	2.09e6	2.41e6	1.26	NO	0.771	1.000	37.24	37.23	1.000	1.000	NO	56.4	113	0.111	56.4
17	20 Dieldrin	2.96e5	2.93e5	1.51	NO	0.927	1.000	37.74	37.75	1.001	1.000	NO	54.4	109	0.0955	54.4
18	21 Endrin	1.94e5	1.99e5	1.57	NO	0.902	1.000	39.11	39.14	1.001	1.000	NO	54.1	108	0.153	54.1
19	22 cis-Nonachlor	1.92e5	1.89e5	1.57	NO	0.913	1.000	39.42	39.42	1.000	1.000	NO	55.6	111	0.144	55.6
20	23 Endosulfan II (beta)	6.17e4	5.70e4	1.45	NO	1.03	1.000	40.14	40.15	1.000	1.000	NO	52.6	105	0.428	52.6
21	24 2,4'-DDD	2.26e6	2.29e6	1.53	NO	0.890	1.000	38.36	38.37	1.000	1.000	NO	55.6	111	0.129	55.6
22	25 2,4'-DDT	1.64e6	1.65e6	1.56	NO	0.865	1.000	39.50	39.50	1.000	1.000	NO	57.4	115	0.194	57.4
23	26 4,4'-DDD	2.18e6	2.02e6	1.54	NO	0.971	1.000	39.64	39.62	1.000	1.000	NO	55.7	111	0.143	55.7
24	27 4,4'-DDT	1.50e6	1.42e6	1.53	NO	0.974	1.000	40.69	40.69	1.000	1.000	NO	54.2	108	0.191	54.2
25	28 Endosulfan Sulfate	9.30e4	1.01e5	1.57	NO	0.896	1.000	41.86	41.88	1.000	1.000	NO	51.2	102	0.291	51.2
26	29 4,4'-Methoxychlor	2.21e6	1.80e7	6.06	NO	1.10	1.000	43.74	43.75	1.000	1.000	NO	55.7	111	0.0434	55.7
27	30 Mirex	9.50e5	9.97e5	1.46	NO	0.870	1.000	44.34	44.33	1.000	1.000	NO	54.8	110	0.0757	54.8
28	31 Endrin Aldehyde	1.48e5	1.43e6	0.62	NO	0.962	1.000	41.28	41.28	1.000	1.000	NO	53.8	108	0.301	53.8
29	32 Endrin Ketone	1.20e5	1.30e6	0.61	NO	0.867	1.000	44.44	44.47	1.001	1.000	NO	53.1	106	0.433	53.1
30	34 13C6-Hexachlorobenz...	2.93e6	3.88e6	1.28	NO	0.710	1.000	23.10	23.10	0.873	0.873	NO	53.2	106	0.00402	53.2
31	35 13C6-Alpha-BHC	1.08e6	3.88e6	0.79	NO	0.255	1.000	23.64	23.64	0.893	0.893	NO	54.6	109	0.136	54.6

Dataset: U:\VG11.PRO\Results\191023K3\191023K3-2.qld

Last Altered: Thursday, October 24, 2019 09:19:09 Pacific Daylight Time

Printed: Thursday, October 24, 2019 09:20:20 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	8.65e5	3.88e6	0.81	NO	0.216	1.000	26.97	26.97	1.019	1.019	NO	51.7	103	0.161	
33	37 13C6-Beta-BHC	6.34e5	3.88e6	0.79	NO	0.162	1.000	29.01	28.99	1.095	1.096	NO	50.4	101	0.214	
34	38 13C6-Delta-BHC	7.19e5	3.88e6	0.80	NO	0.185	1.000	30.68	30.66	1.158	1.159	NO	50.2	100	0.188	
35	39 13C10-Heptachlor	4.78e5	3.88e6	1.29	NO	0.178	1.000	29.10	29.12	1.100	1.099	NO	34.7	69.3	0.0410	
36	40 13C12-Aldrin	5.78e5	3.88e6	1.60	NO	0.186	1.000	31.24	31.22	1.180	1.180	NO	40.0	80.1	0.0661	
37	41 13C10-Oxychlorane	1.60e5	3.88e6	1.60	NO	0.0499	1.000	33.82	33.80	1.277	1.278	NO	41.4	82.9	0.247	
38	42 13C10-cis-Heptachlor ...	2.17e5	3.88e6	1.58	NO	0.0657	1.000	34.61	34.59	1.307	1.308	NO	42.5	84.9	0.187	
39	43 13C10-trans-Chlordan...	1.79e5	3.88e6	1.65	NO	0.0525	1.000	35.51	35.48	1.341	1.342	NO	44.0	88.0	0.234	
40	44 13C10-trans-Nonachlor	1.97e5	3.88e6	1.68	NO	0.0587	1.000	35.71	35.67	1.348	1.349	NO	43.2	86.4	0.210	
41	45 13C9-Endosulfan I (al...	1.12e5	3.88e6	1.62	NO	0.0343	1.000	36.31	36.27	1.370	1.372	NO	42.0	84.0	0.359	
42	46 13C12-2,4'-DDE	3.32e6	3.88e6	1.58	NO	1.01	1.000	36.16	36.15	0.996	0.996	NO	42.4	84.8	0.0899	
43	47 13C12-4,4'-DDE	2.41e6	3.88e6	1.57	NO	0.760	1.000	37.22	37.22	1.025	1.025	NO	40.8	81.6	0.119	
44	48 13C12-Dieldrin	2.93e5	3.88e6	1.58	NO	0.0797	1.000	37.72	37.72	1.039	1.039	NO	47.4	94.9	0.227	
45	49 13C12-Endrin	1.99e5	3.88e6	1.58	NO	0.0599	1.000	39.12	39.11	1.078	1.078	NO	42.7	85.5	0.302	
46	50 13C10-cis-Nonachlor	1.89e5	3.88e6	1.63	NO	0.0486	1.000	39.40	39.41	1.086	1.085	NO	50.1	100	0.373	
47	51 13C9-Endosulfan II	5.70e4	3.88e6	1.60	NO	0.0145	1.000	40.14	40.14	1.106	1.106	NO	50.6	101	1.25	
48	52 13C12-2,4'-DDD	2.29e6	3.88e6	1.58	NO	0.653	1.000	38.40	38.36	1.449	1.451	NO	45.1	90.2	0.103	
49	53 13C12-2,4'-DDT	1.65e6	3.88e6	1.81	NO	0.443	1.000	39.51	39.49	1.492	1.493	NO	48.0	96.1	0.151	
50	54 13C12-4,4'-DDD	2.02e6	3.88e6	1.59	NO	0.550	1.000	39.64	39.62	1.497	1.498	NO	47.2	94.5	0.122	
51	55 13C12-4,4'-DDT	1.42e6	3.88e6	1.62	NO	0.354	1.000	40.71	40.67	1.537	1.538	NO	51.6	103	0.189	
52	56 13C9-Endosulfan Sulf...	1.01e5	3.88e6	1.56	NO	0.0239	1.000	41.84	41.86	1.153	1.153	NO	54.6	109	0.926	
53	57 13C12-Methoxychlor	1.80e7	3.88e6	24.26	NO	0.362	1.000	43.70	43.73	1.205	1.204	NO	643	129	0.242	
54	58 13C10-Mirex	9.97e5	3.88e6	1.57	NO	0.184	1.000	44.30	44.31	1.221	1.220	NO	70.0	140	0.170	
55	59 13C12-Endrin Aldehyde	1.43e6	3.88e6	0.47	NO	0.0307	1.000	41.24	41.26	1.137	1.136	NO	601	120	1.25	
56	60 13C12-Endrin Ketone	1.30e6	3.88e6	0.47	NO	0.0240	1.000	44.42	44.44	1.224	1.224	NO	697	139	1.60	
57	62 13C-PCB-15	3.88e6	3.88e6	1.52	NO	1.00	1.000	26.42	26.47	1.000	1.000	NO	50.0	100	0.0215	

50-150%

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, October 24, 2019 14:54:55 Pacific Daylight Time

Printed: Thursday, October 24, 2019 14:55:17 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobutadiene

	Name	ID	Acq Date	Acq Time
1	191023K3_1	SOLVENT BLANK	24-Oct-19	05:36:09
2	191023K3_2	ST191023K3-1 1699 CS3 19H0204	24-Oct-19	06:24:07
3	191023K3_3	GC191023K3-1 GC BREAK	24-Oct-19	07:13:15
4	191023K3_4	HRMS 191023-9 PAH_PESTICIDE MIX QC	24-Oct-19	08:01:55
5	191023K3_5	SOLVENT BLANK	24-Oct-19	08:51:32
6	191023K3_6	1903285-07 PDI-103SG-00-01-190924 2.53	24-Oct-19	09:43:00
7	191023K3_7	1903285-08 PDI-104SG-00-01-190924 2.88	24-Oct-19	10:30:36
8	191023K3_8	1903285-09 PDI-105SG-00-0.99-190924 2.21	24-Oct-19	11:20:10
9	191023K3_9	1903285-10PDI-106SG-00-01-190924 2.77	24-Oct-19	12:09:45
10	191023K3_10	1903221-02@10X MC19-SWED-F2 0.98463	24-Oct-19	13:00:29
11	191023K3_11	1903222-01@40X MC19-SWED-U1 1.01644	24-Oct-19	13:48:55

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Printed: Thursday, October 24, 2019 09:26:07 Pacific Daylight Time

GRB 10/24/19

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 24 Oct 2019 08:33:09

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191023K3_3, Date: 24-Oct-2019, Time: 07:13:15, ID: GC191023K3-1 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	1.63e4	0.54	NO	41.28
2	2 Endrin Ketone	1.83e4	0.68	NO	44.47
3	3 Endrin	6.01e5	1.54	NO	39.14
4	4 4,4'-DDE			NO	
5	5 4,4'-DDD	2.24e5	1.51	NO	39.63
6	6 4,4'-DDT	9.91e6	1.55	NO	40.69

$$\frac{EA + EK}{E} \times 100\% = 5.76\%$$

$$\frac{DDE + DDD}{DDT} \times 100\% = 2.26\%$$

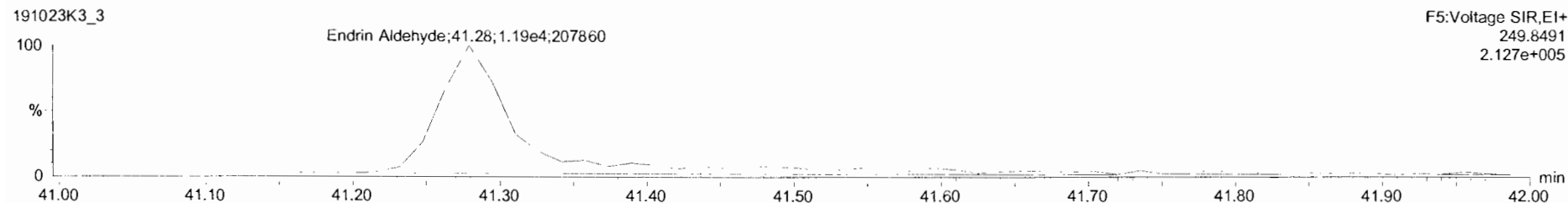
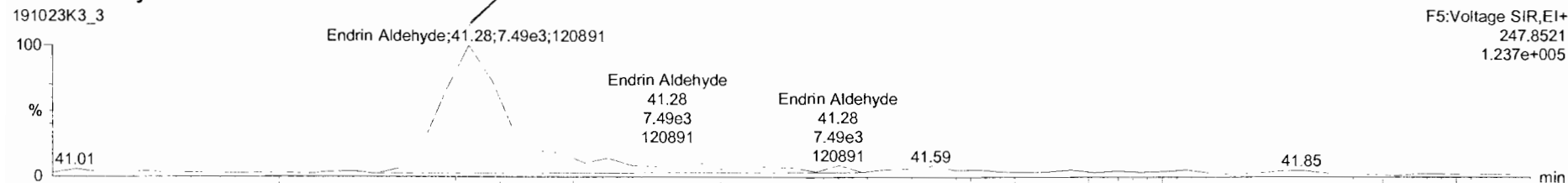
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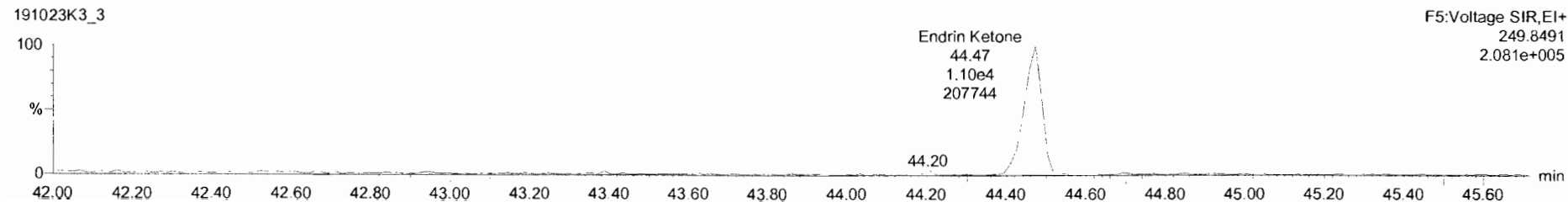
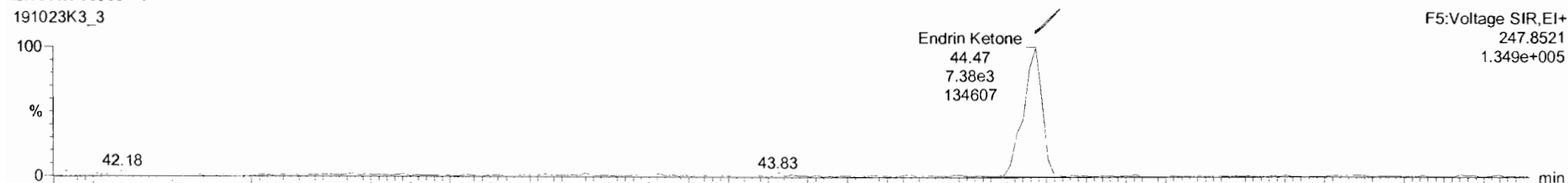
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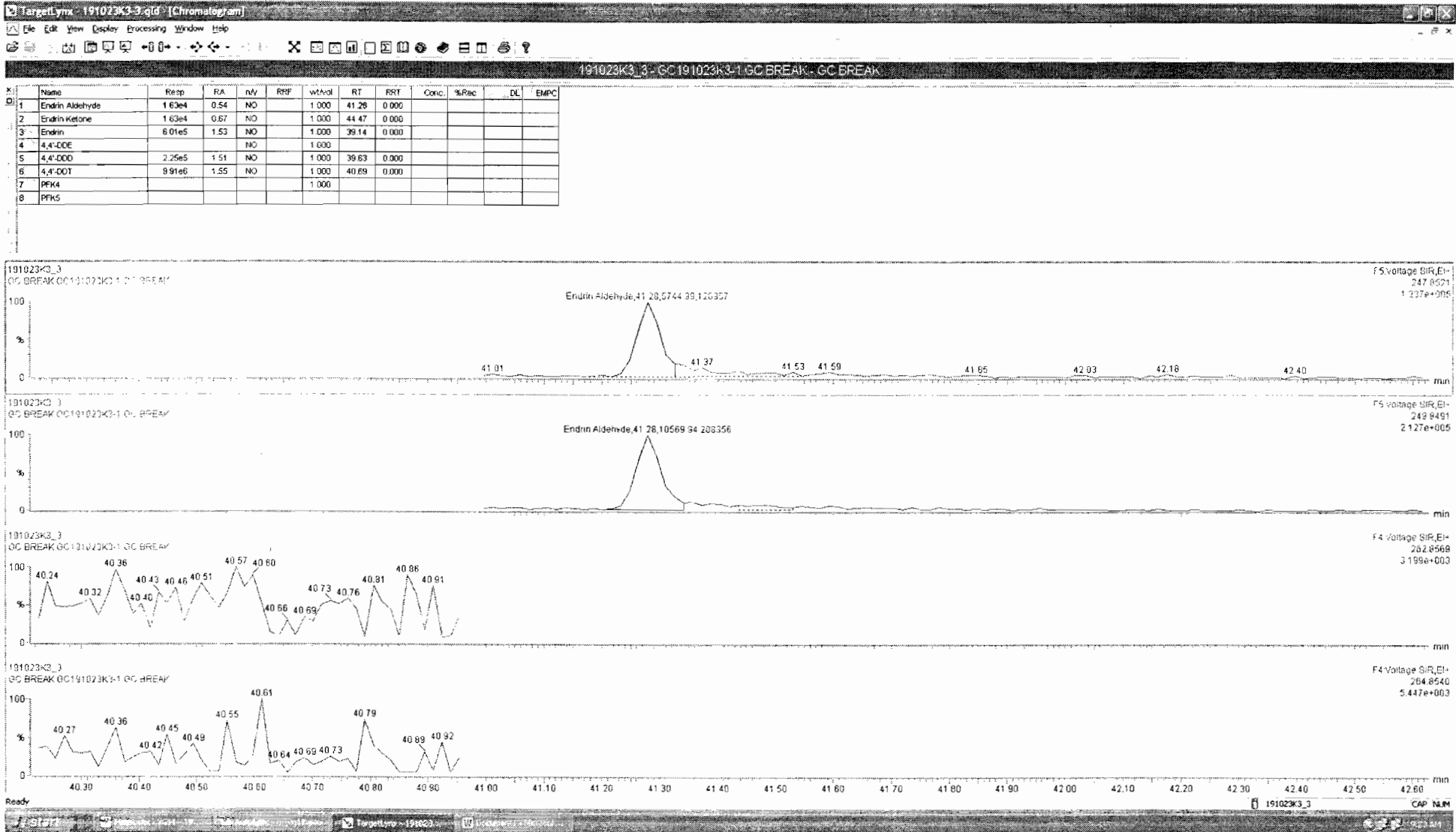
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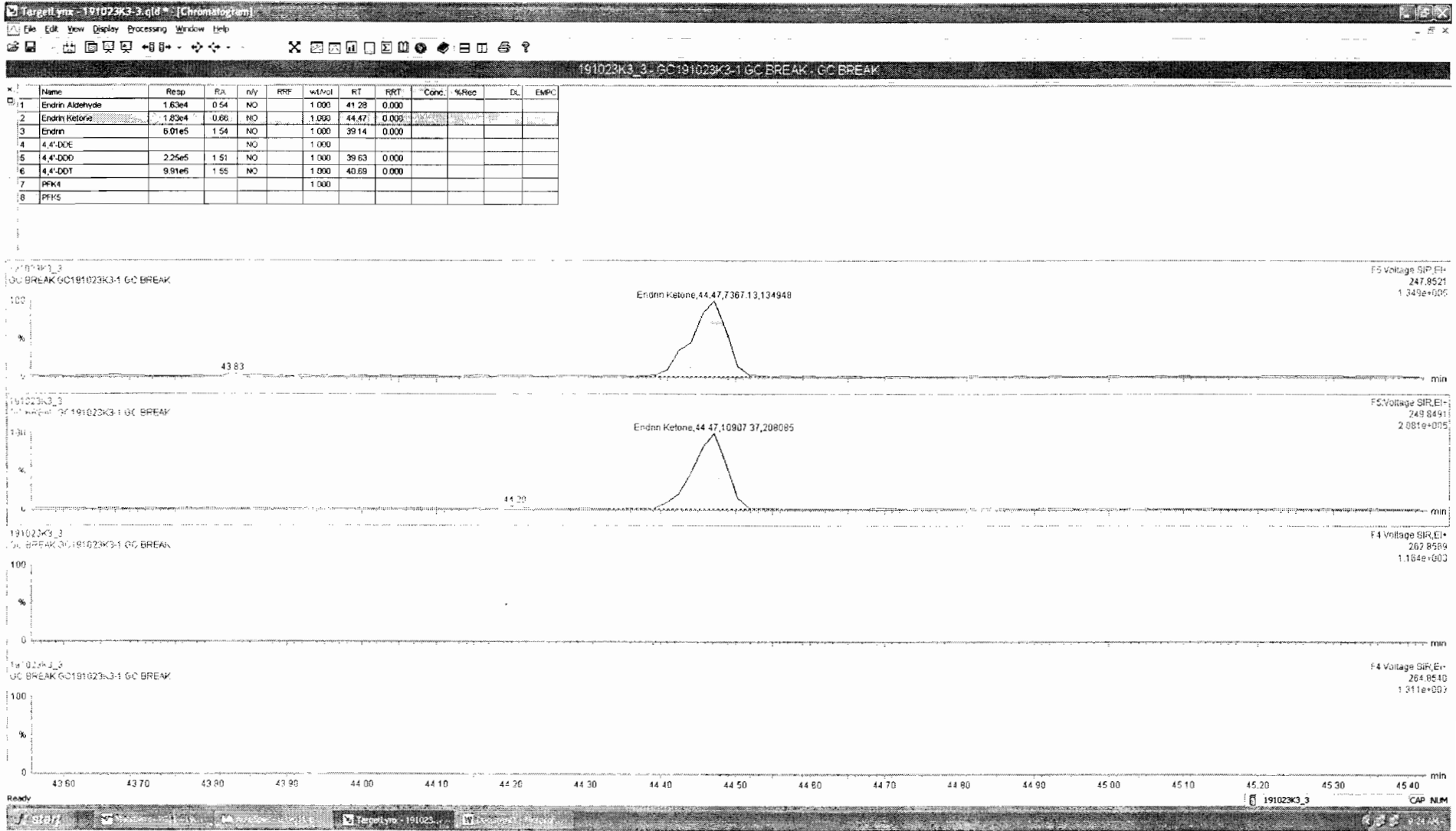
Endrin Aldehyde



Endrin Ketone





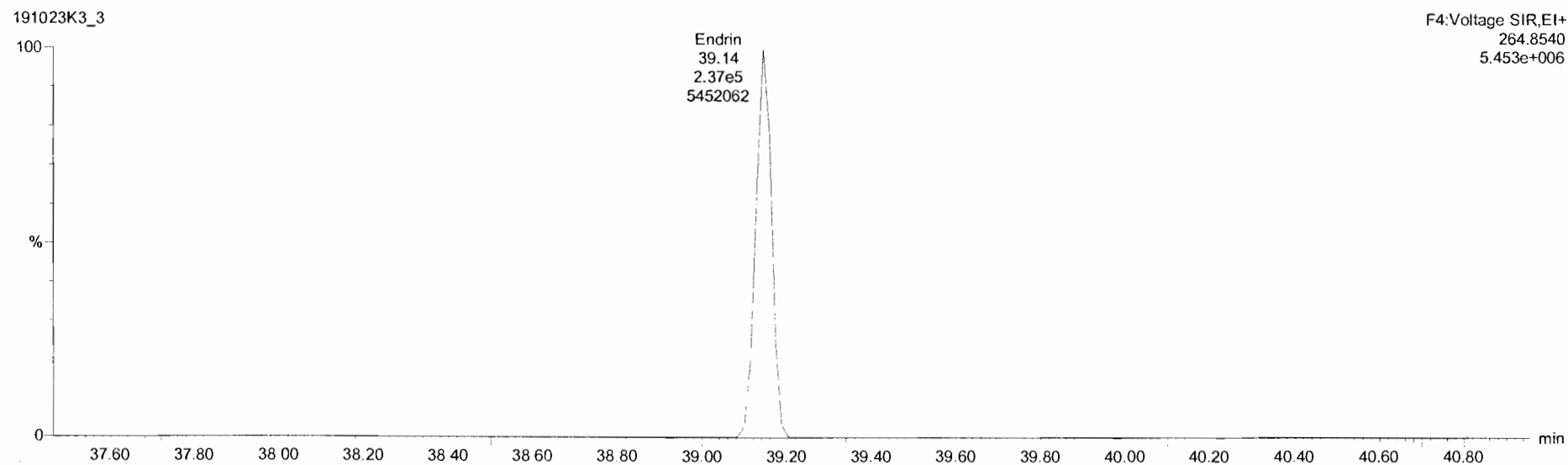
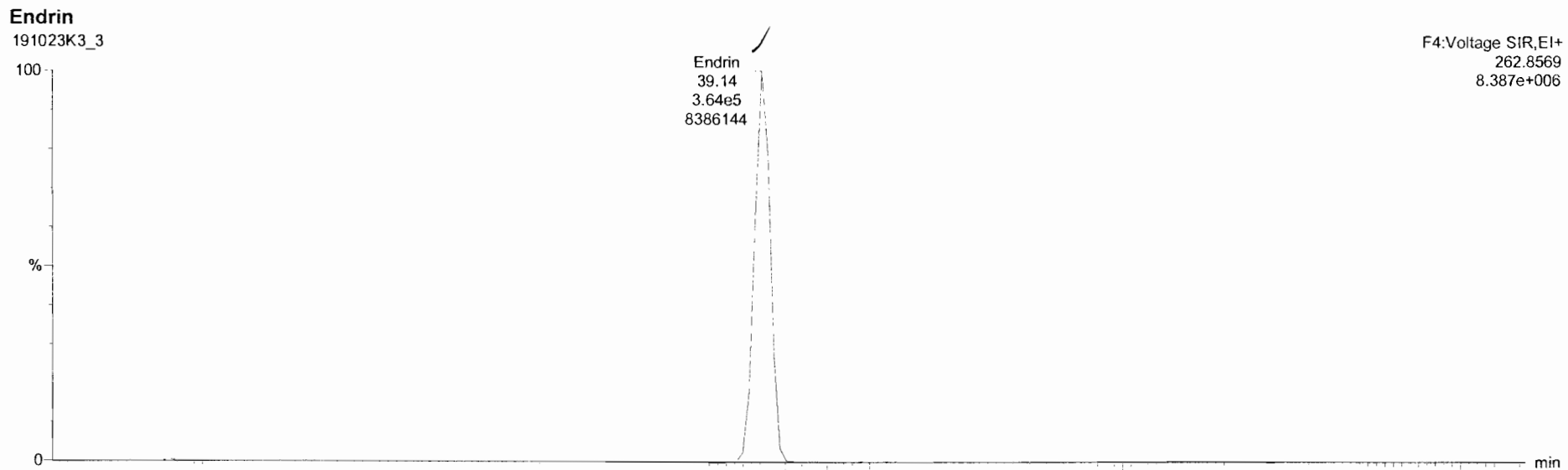


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Printed: Thursday, October 24, 2019 09:23:40 Pacific Daylight Time

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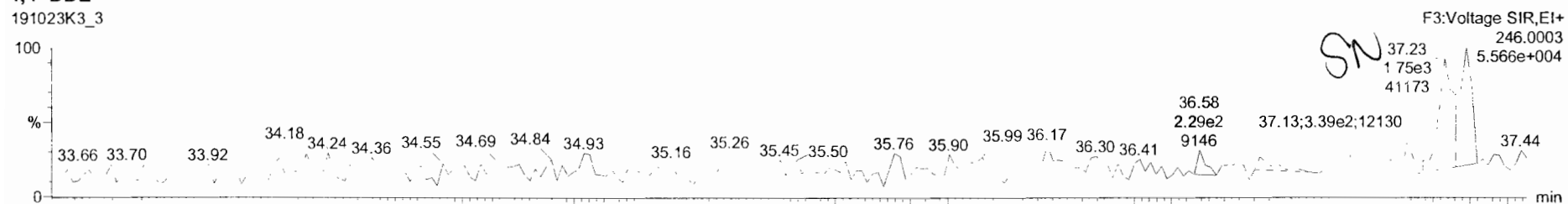
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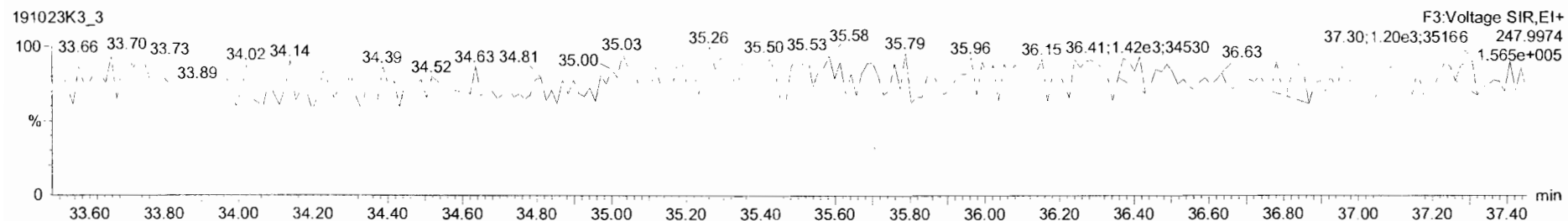
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4,4'-DDE

191023K3_3

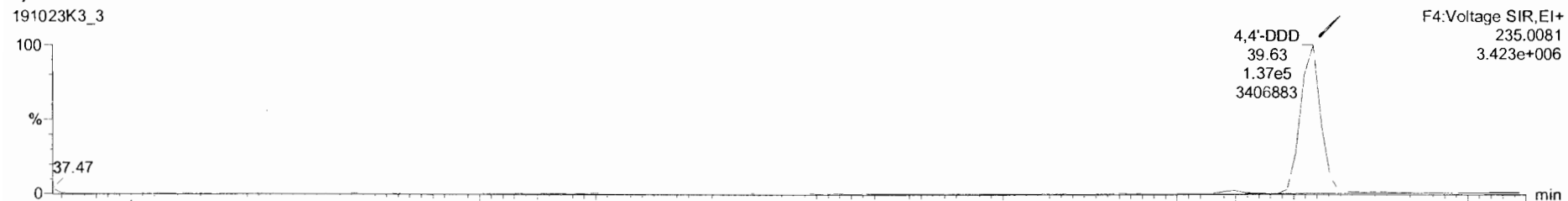


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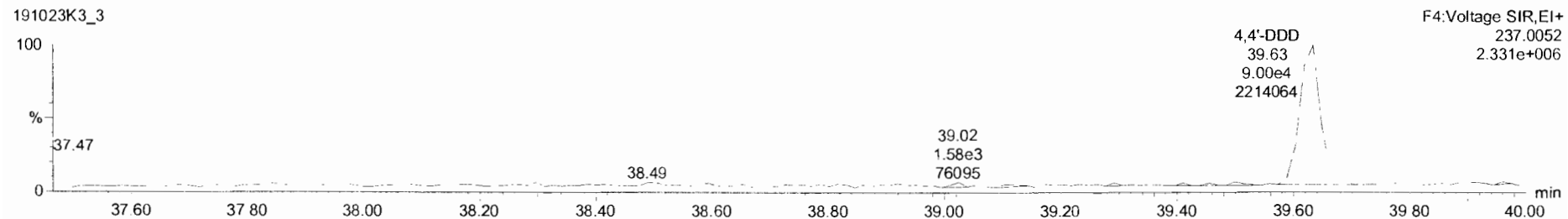


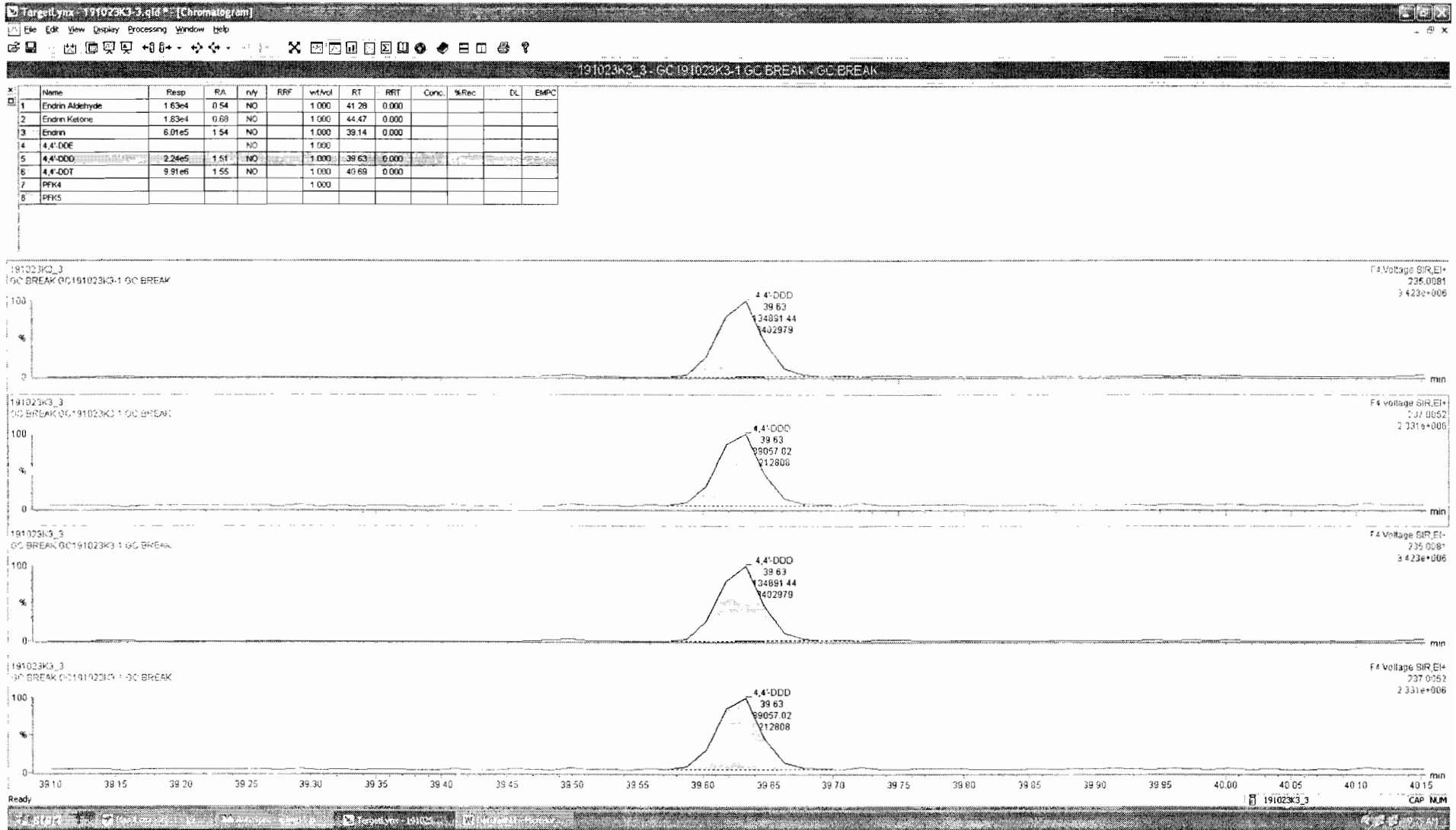
4,4'-DDD

191023K3_3



191023K3_3





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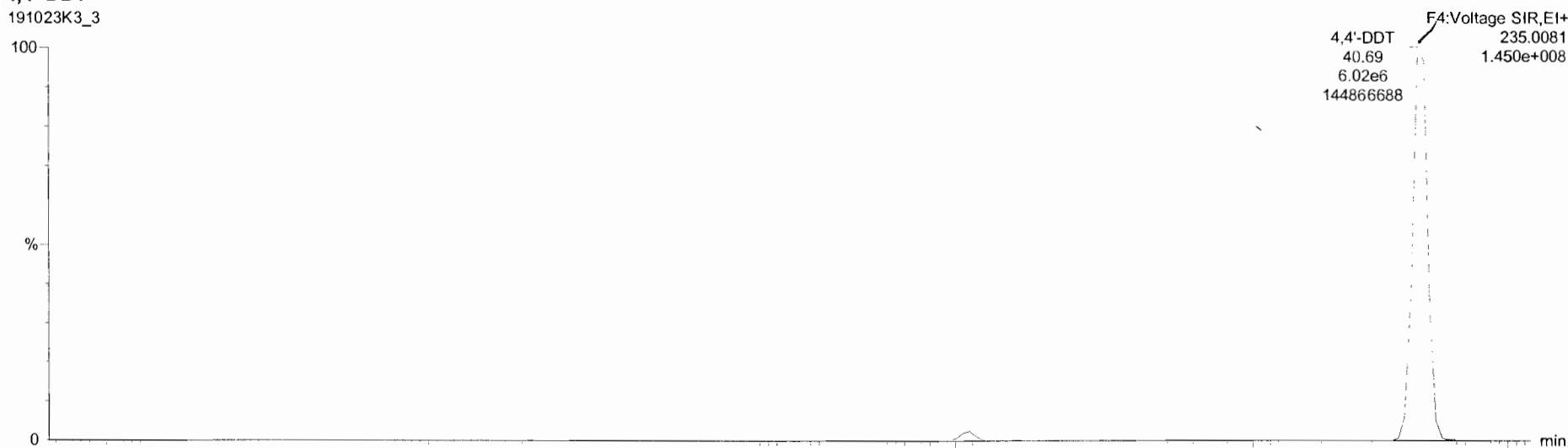
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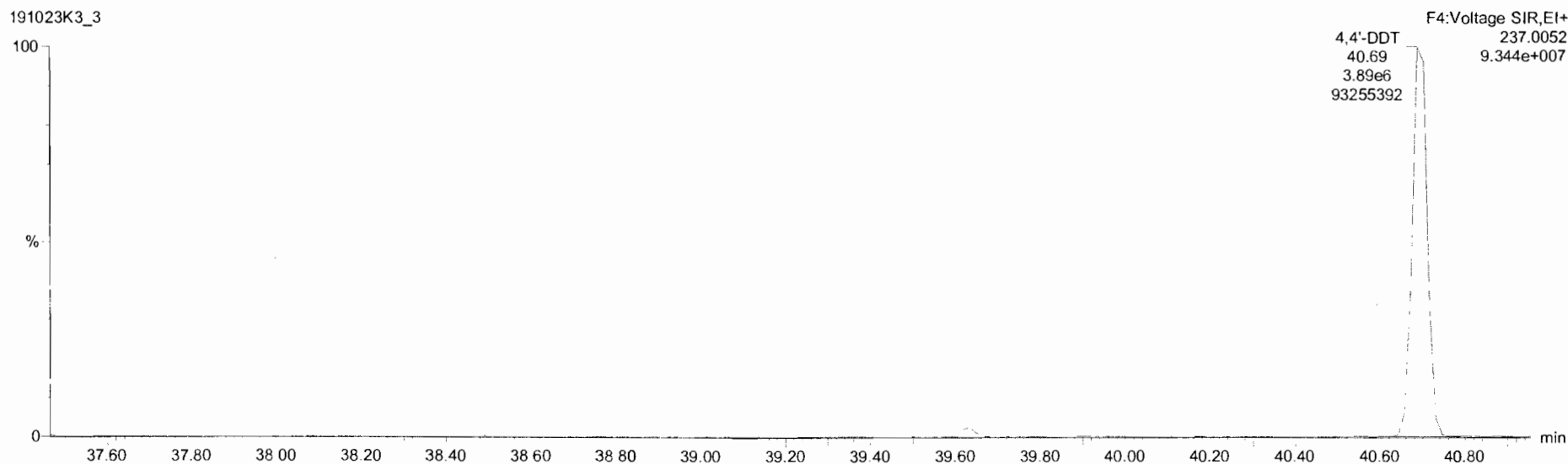
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4,4'-DDT

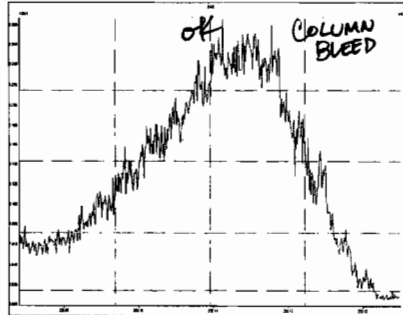
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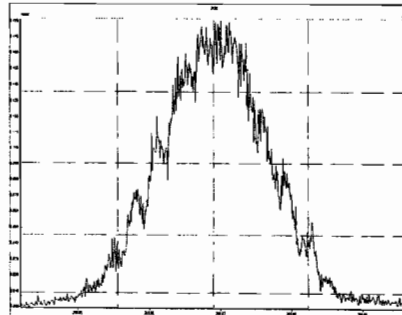
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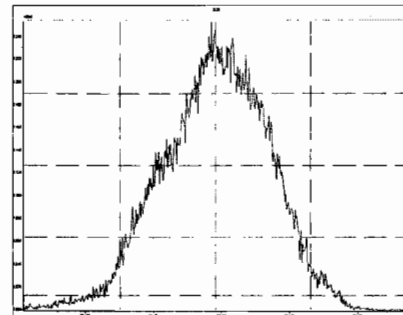
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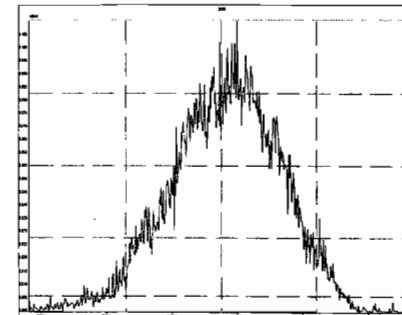
M 268.9824 R 7790



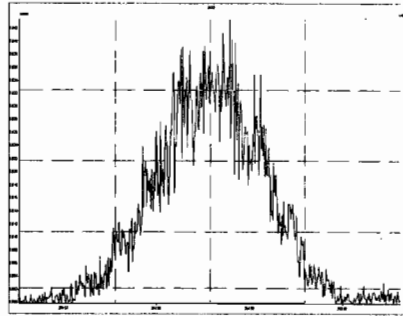
M 280.9824 R 8224



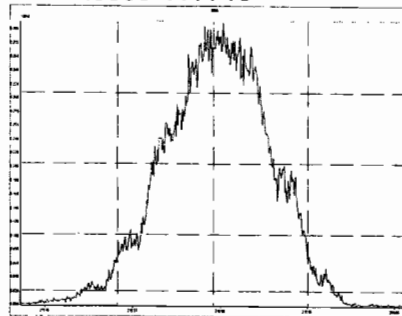
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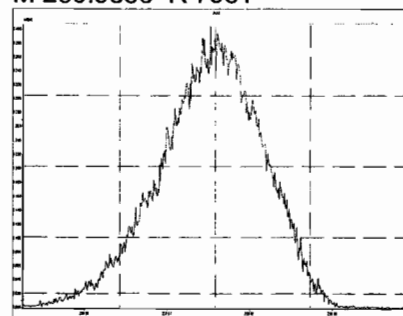
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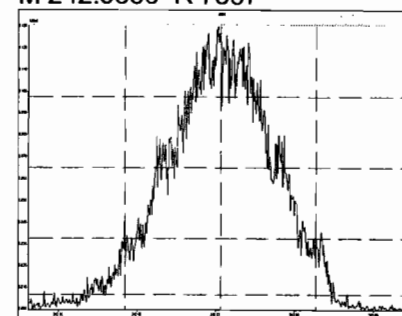
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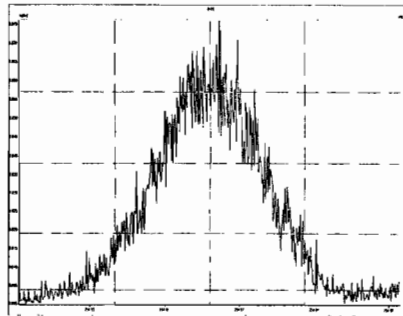
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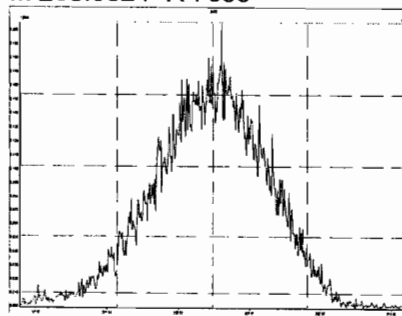
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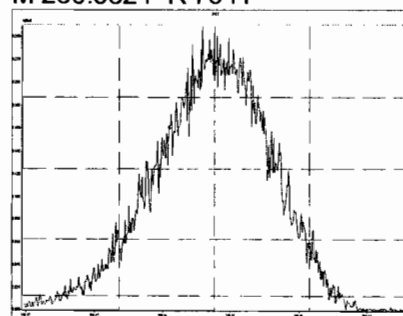
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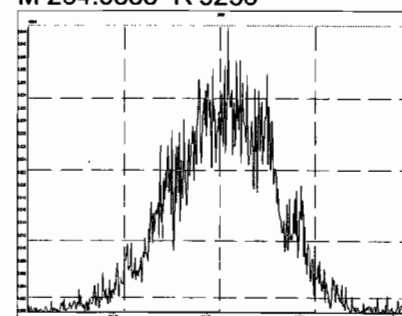
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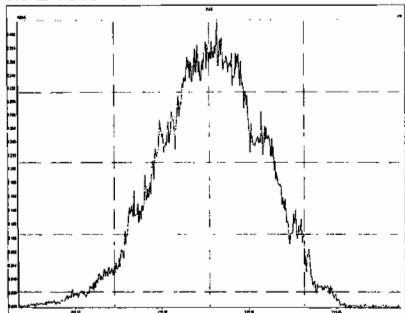


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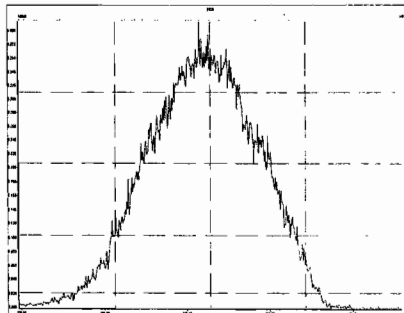


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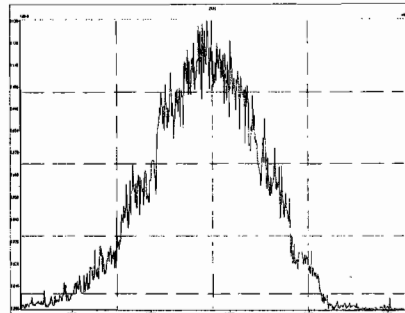
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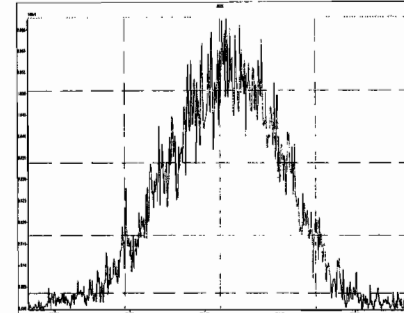
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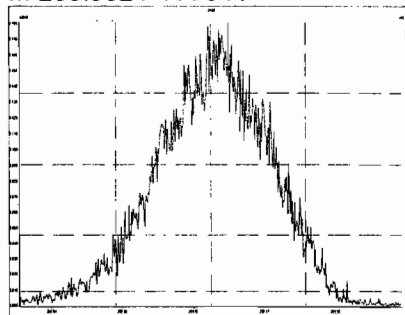
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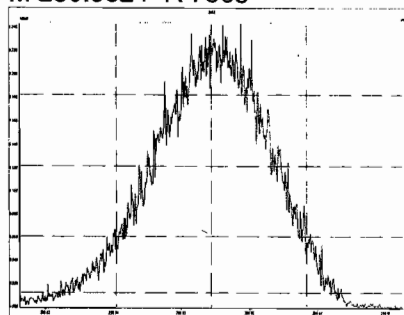
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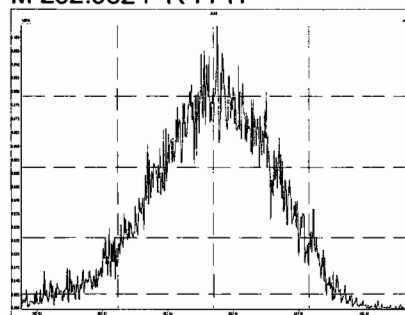
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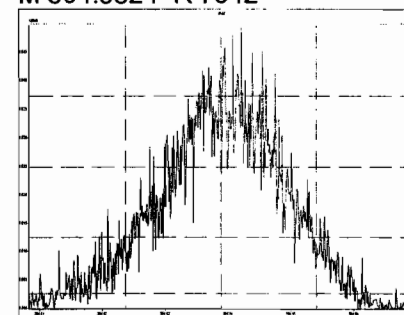
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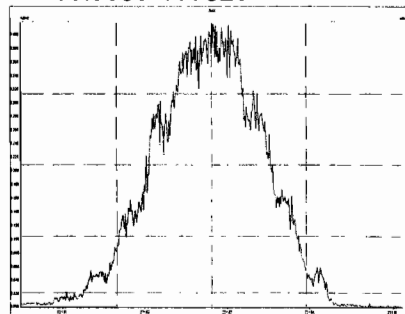
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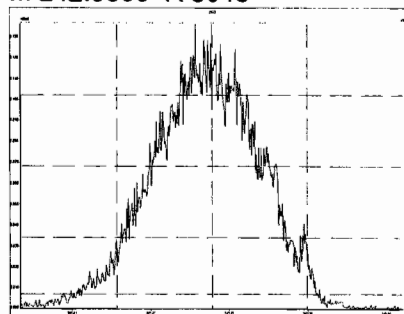
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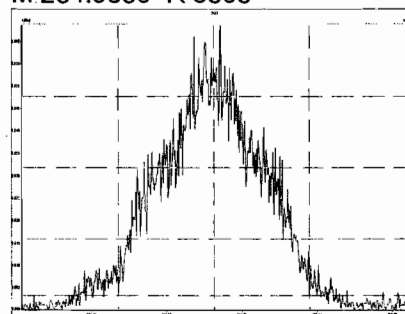
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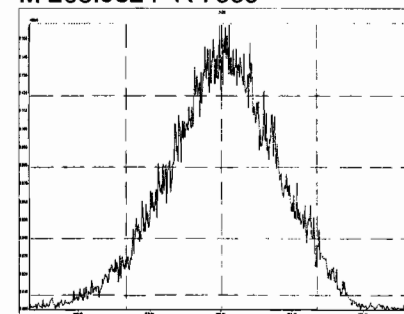
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M 254.9856 R 8363

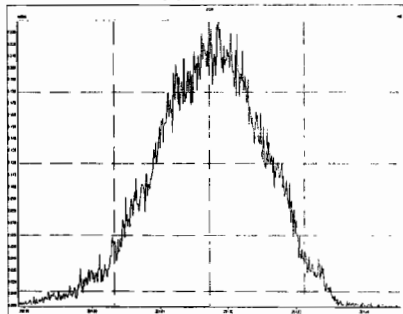


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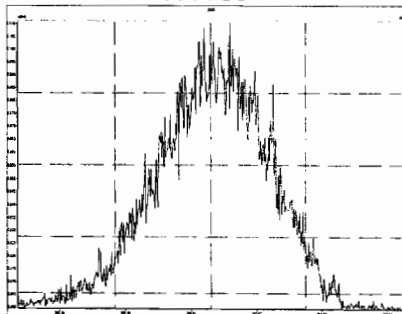


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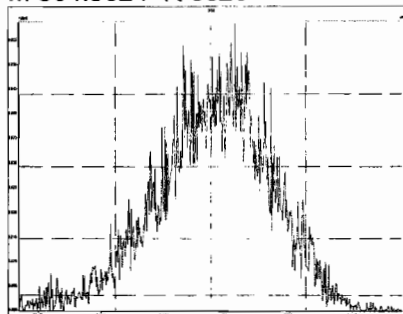
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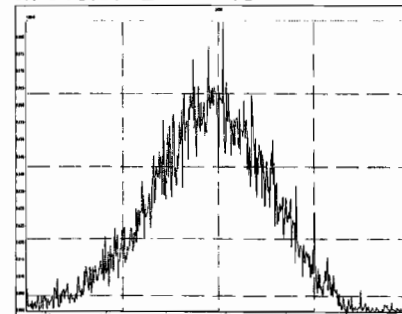
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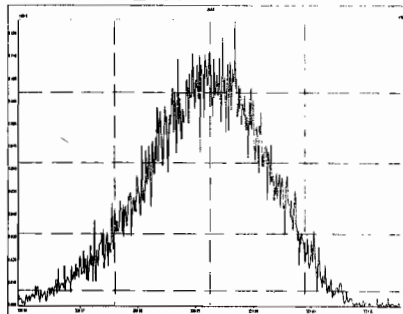
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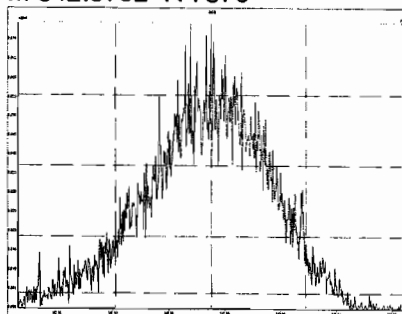
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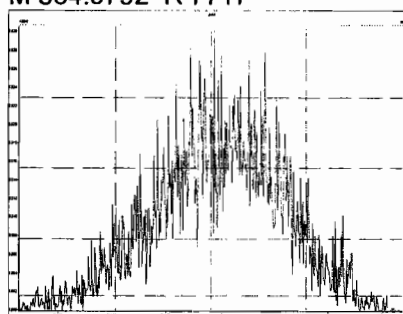
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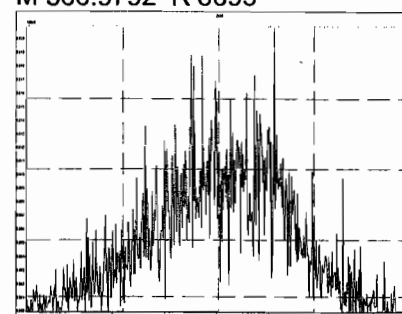
M 342.9792 R 7376



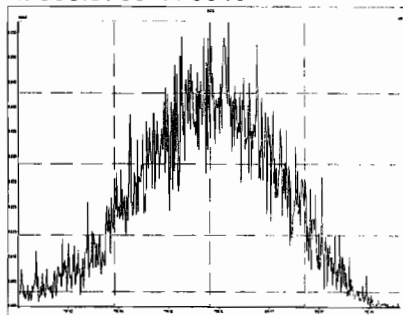
M 354.9792 R 7717



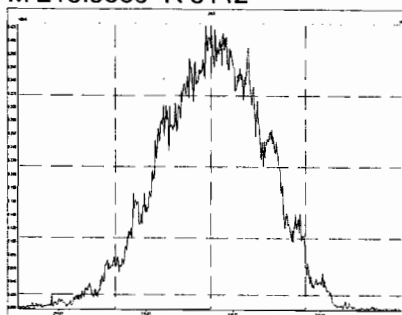
M 366.9792 R 8695



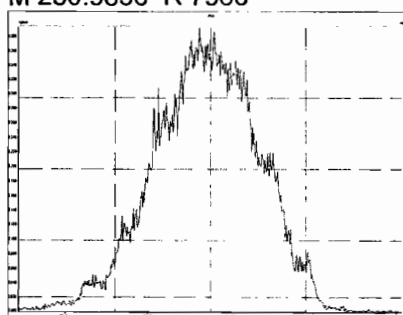
M 380.9760 R 6640



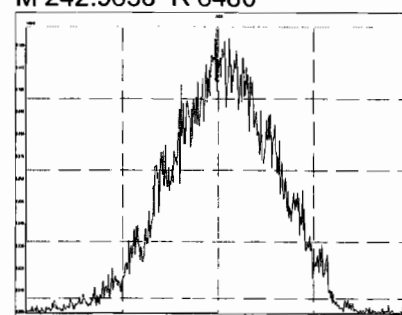
M 218.9856 R 8142



M 230.9856 R 7986

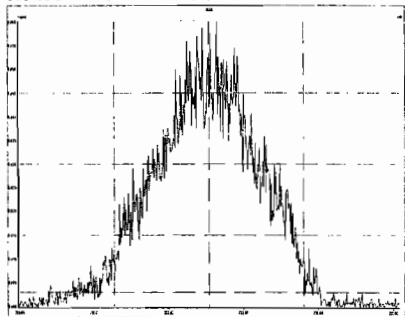


M 242.9856 R 8480

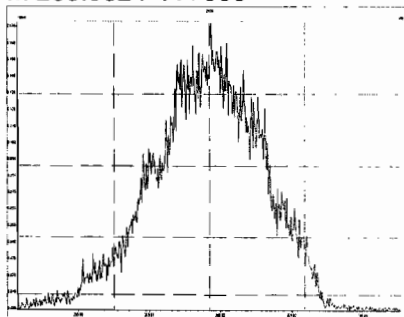


Printed: Thursday, October 24, 2019 05:36:07 Pacific Daylight Time

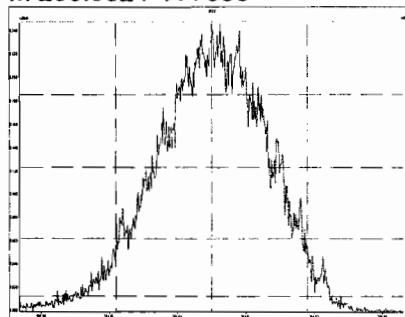
M 254.9856 R 8897



M 268.9824 R 7999



M 280.9824 R 7635



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

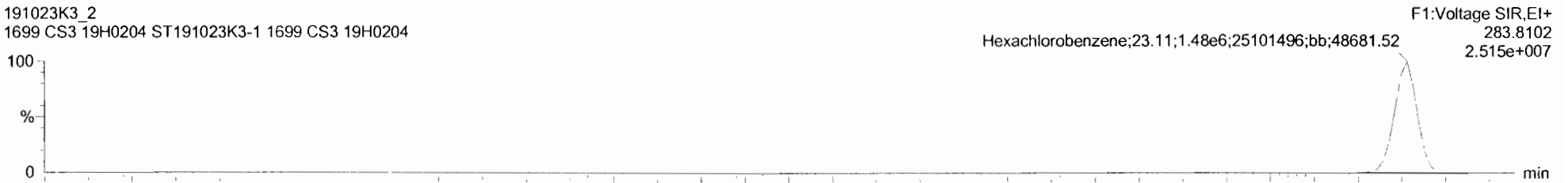
Method: U:\VG11.PRO\MethDB\1699rrt-10-22-19.mdb 22 Oct 2019 12:50:29

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

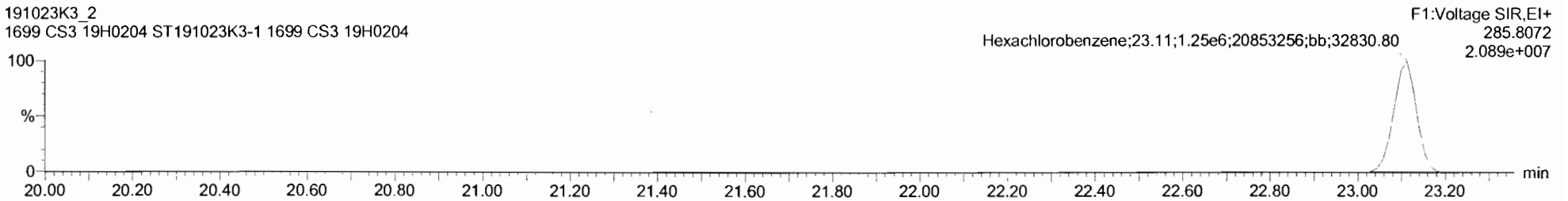
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Hexachlorobenzene

191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

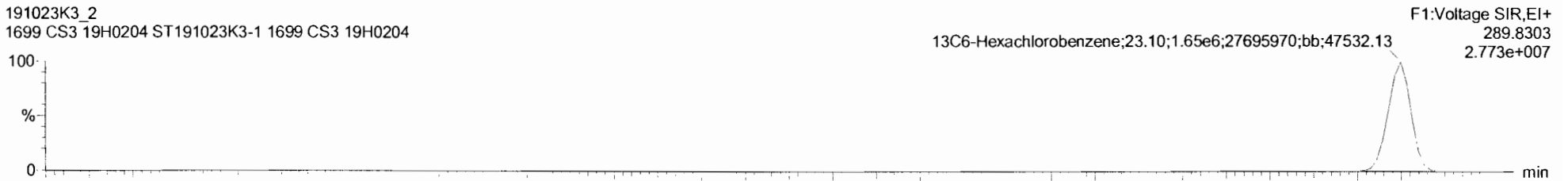


191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

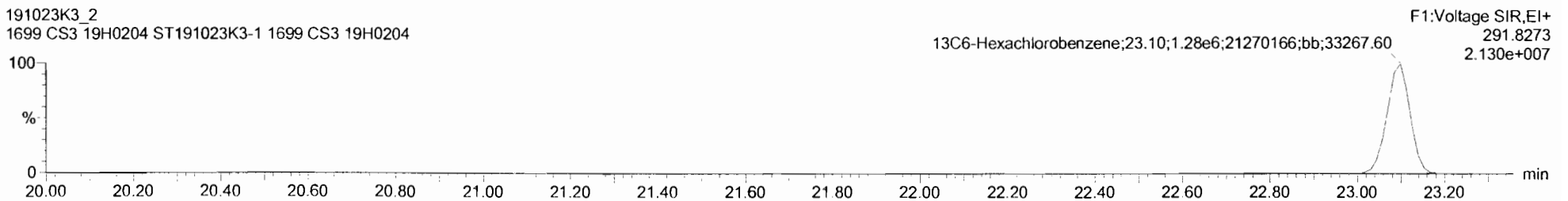


13C6-Hexachlorobenzene

191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204



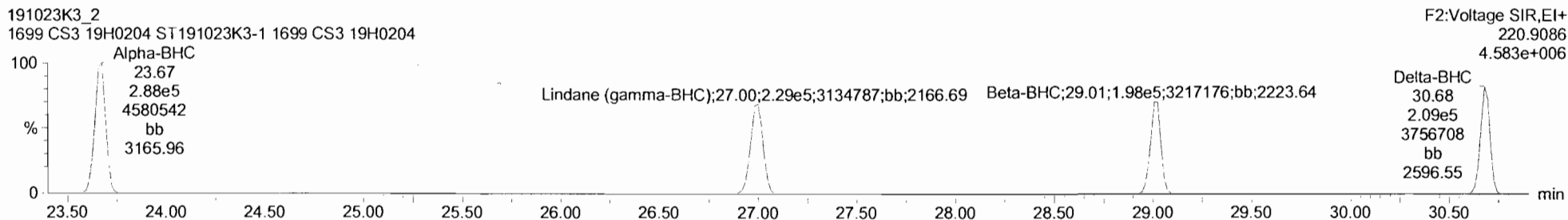
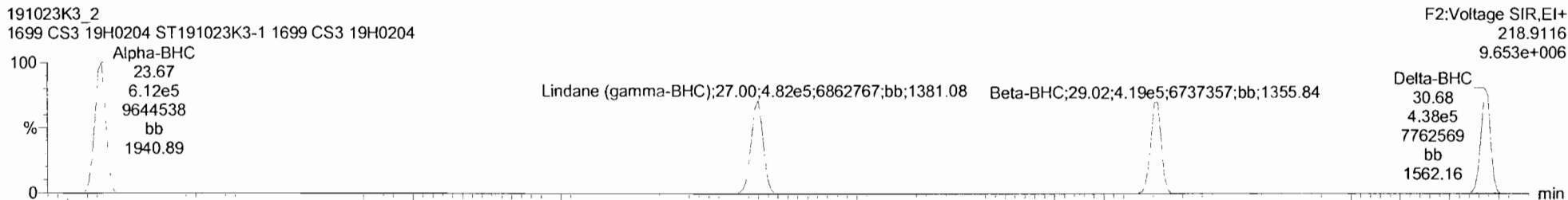
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Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

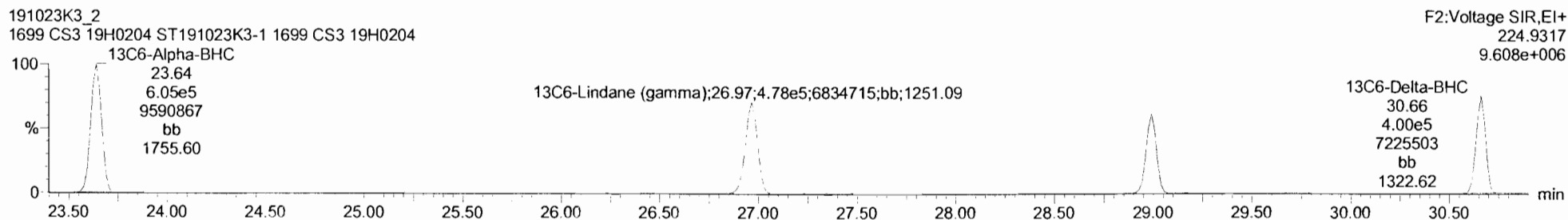
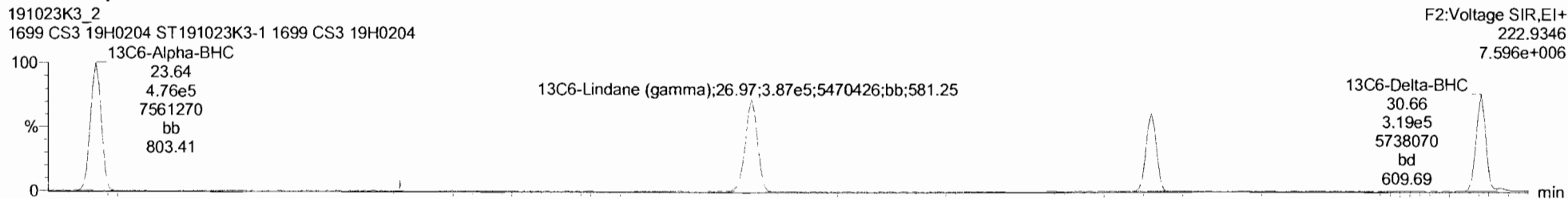
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

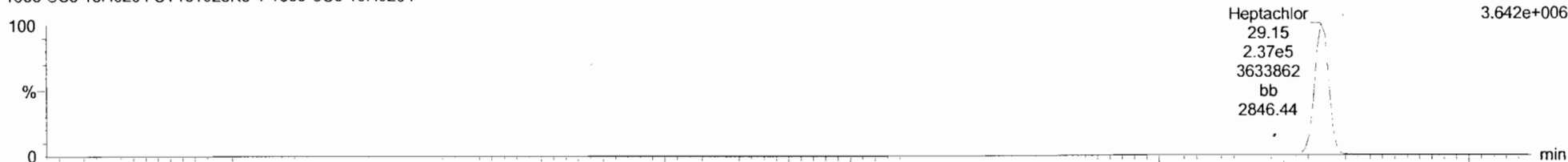
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Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Heptachlor

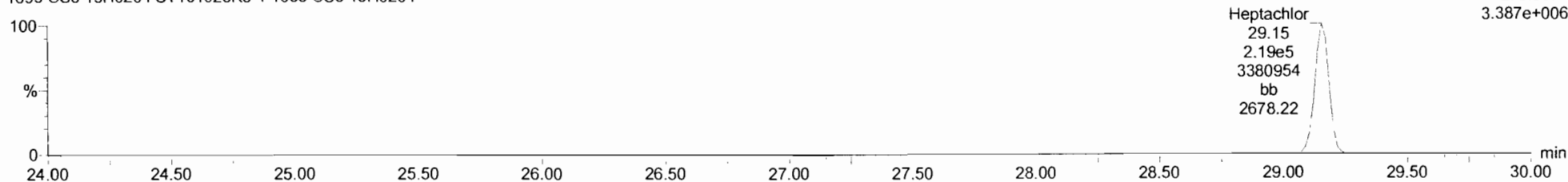
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
3.642e+006



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

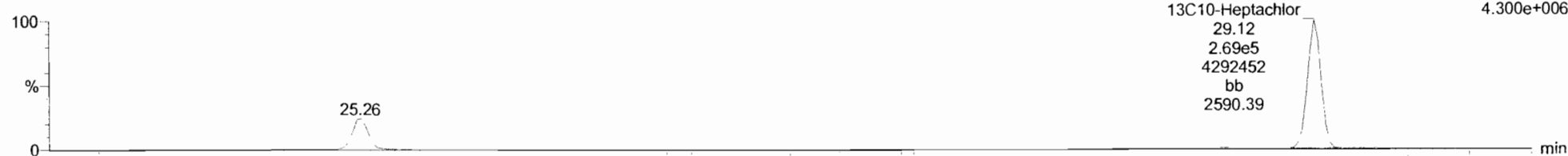
F2:Voltage SIR,EI+
273.8072
3.387e+006



13C10-Heptachlor

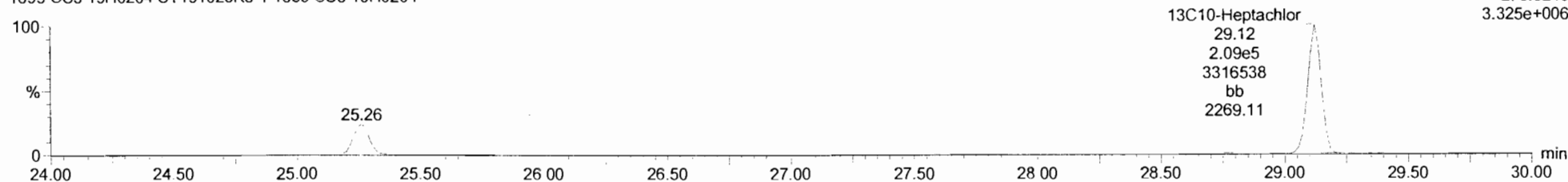
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
4.300e+006



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
3.325e+006



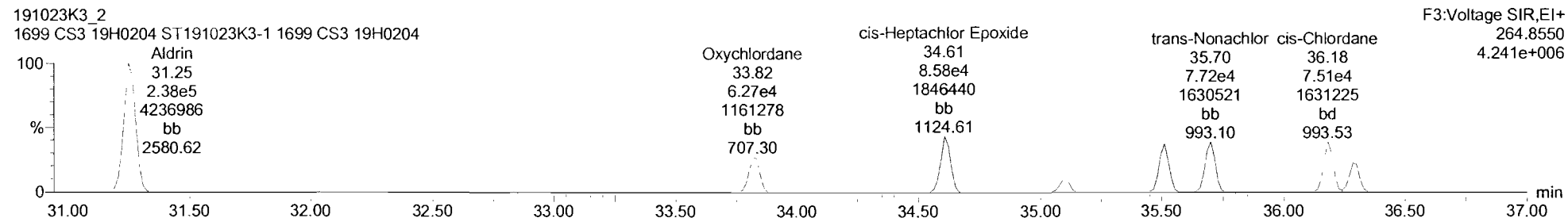
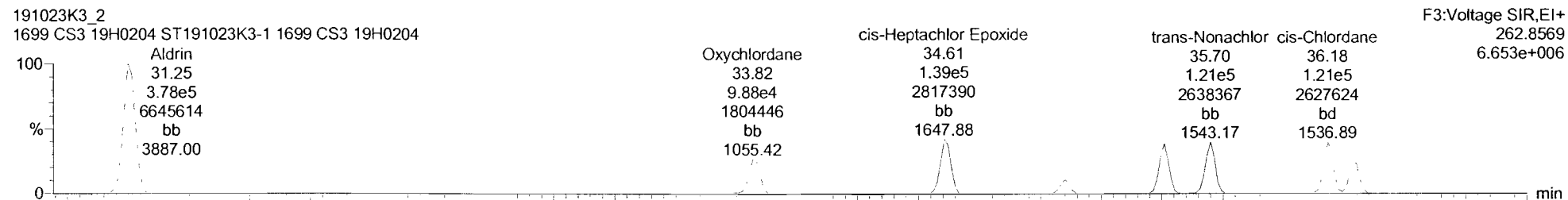
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Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

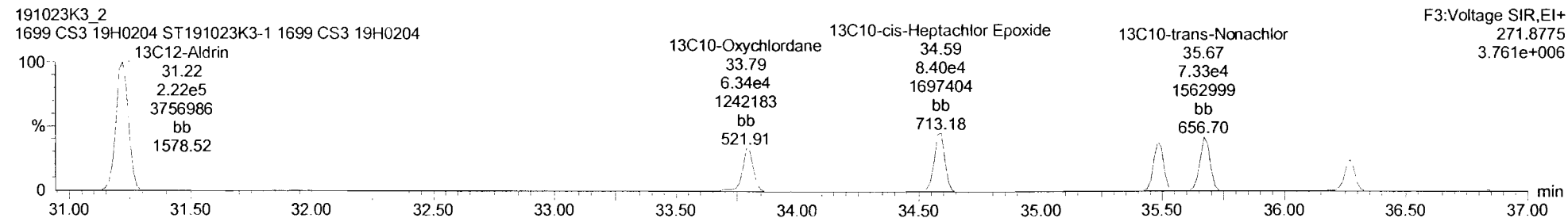
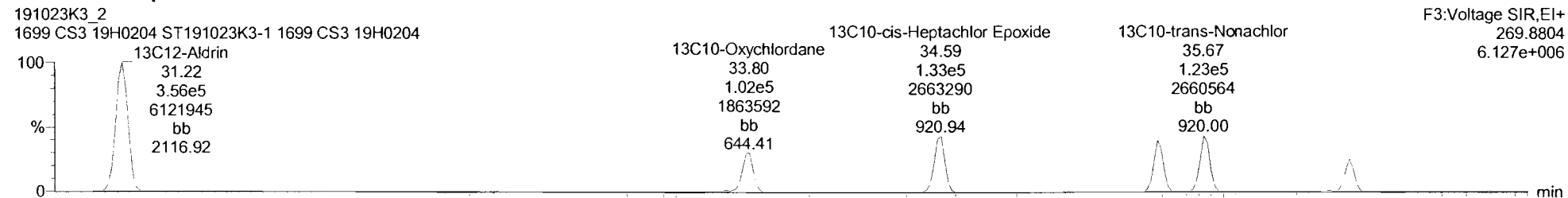
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Aldrin-EI

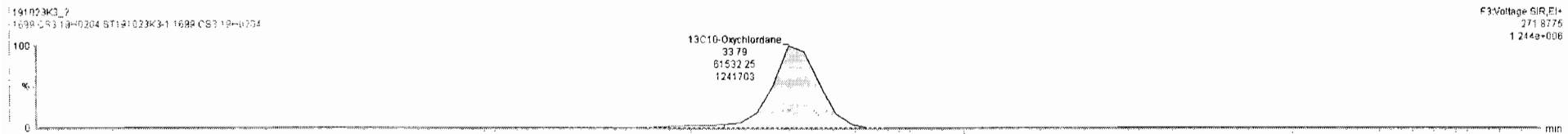
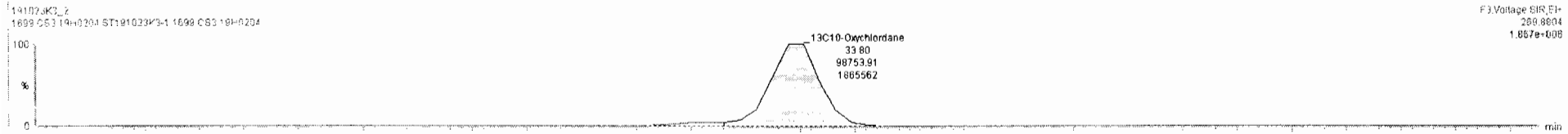
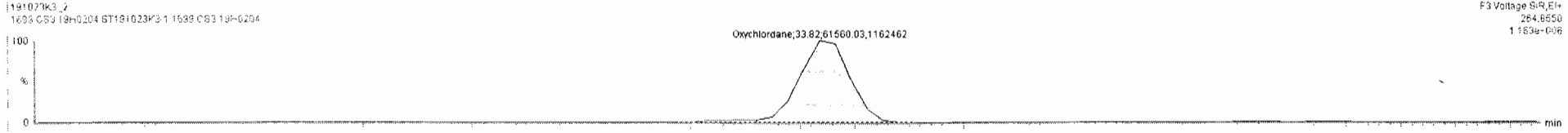
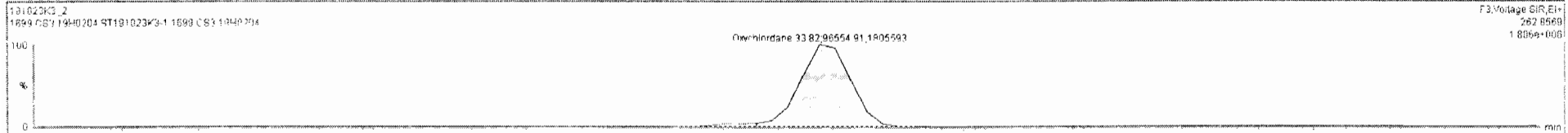


Aldrin-EI-isotopes



191023K3_2 - ST191023K3-1 1699 CS3 19H0204 / 1699 CS3 19H0204

Name	Resp	RA	nly	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
10 Oxychlordane	1.58e5	1.57	NO	0.89	1.000	33.82	1.000	53.3	107	0.149	63.3
11 cis-Heptachlor Epoxide	2.24e5	1.61	NO	0.94	1.000	34.61	1.000	55.3	111	0.100	55.3
12 trans-Heptachlor Epoxide	5.42e4	1.54	NO	0.24	1.000	35.10	1.015	52.5	105	0.404	52.5
13 trans-Chlordane (gamma)	1.91e5	1.60	NO	0.98	1.000	35.51	1.001	54.3	109	0.108	54.3
14 trans-Nonachlor	1.98e5	1.57	NO	0.90	1.000	35.70	1.001	55.8	112	0.110	55.8
15 cis-Chlordane	1.99e5	1.61	NO	0.90	1.000	36.18	1.014	55.3	111	0.110	55.3
16 Endosulfan I (alpha)	1.21e5	1.64	NO	1.03	1.000	36.30	1.001	52.2	104	0.162	52.2
17 4,4'-DDMU	2.11e5	3.09	NO	0.52	1.000	35.93	0.994	60.8	122	0.0318	60.8
18 2,4-DDE	2.08e5	1.25	NO	0.76	1.000	36.17	1.000	56.8	114	0.0892	56.8
19 4,4'-DDE	2.09e5	1.26	NO	0.77	1.000	37.23	1.000	56.4	113	0.111	56.4
20 Dieldrin	2.96e5	1.51	NO	0.93	1.000	37.75	1.001	54.4	109	0.0955	54.4
21 Endrin	1.84e5	1.47	NO	0.90	1.000	38.14	1.001	54.1	108	0.1431	54.1



Dataset: Untitled

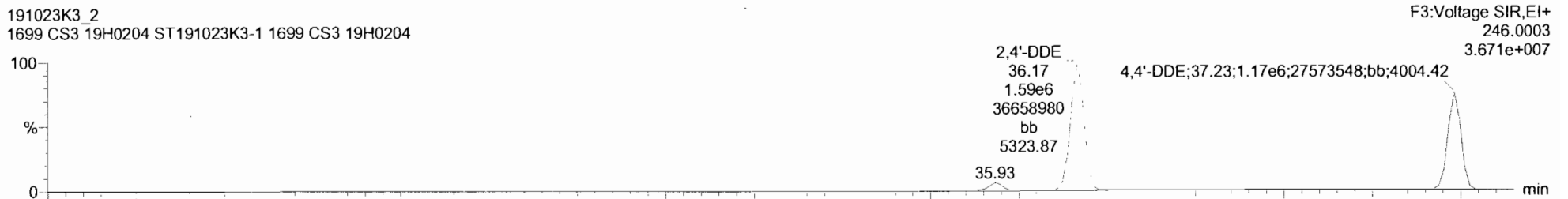
Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

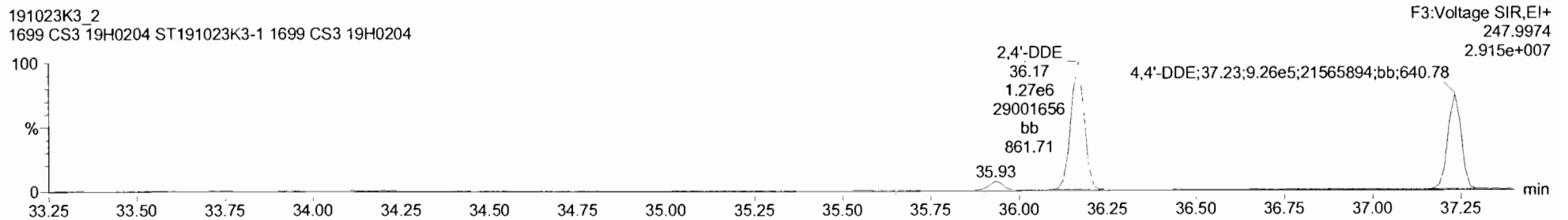
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DDMU-DDE

191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

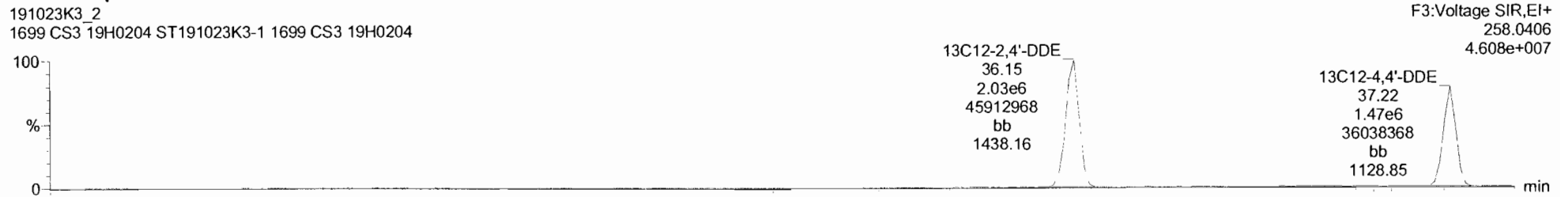


191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

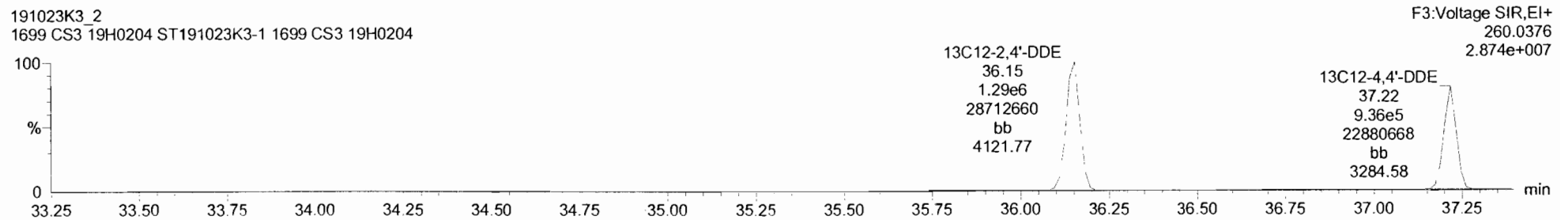


DDE-isotopes

191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204



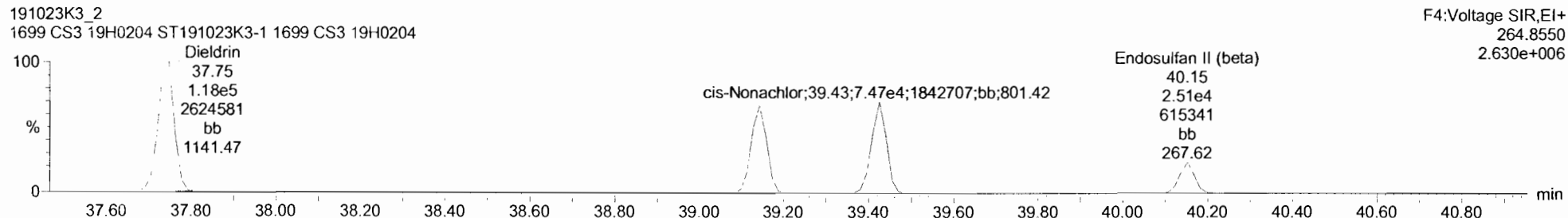
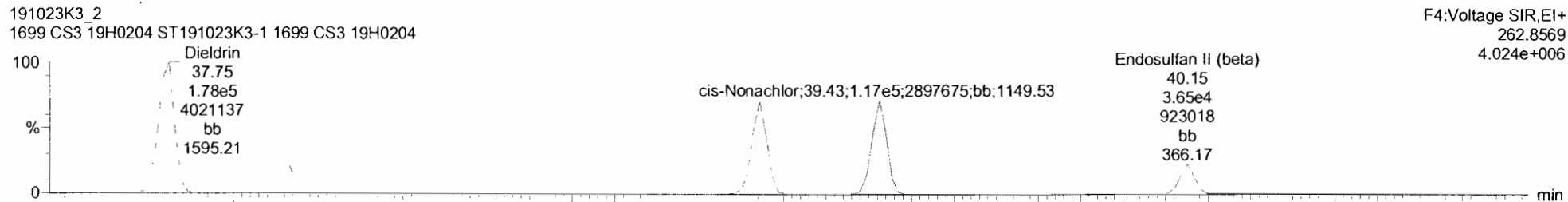
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Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

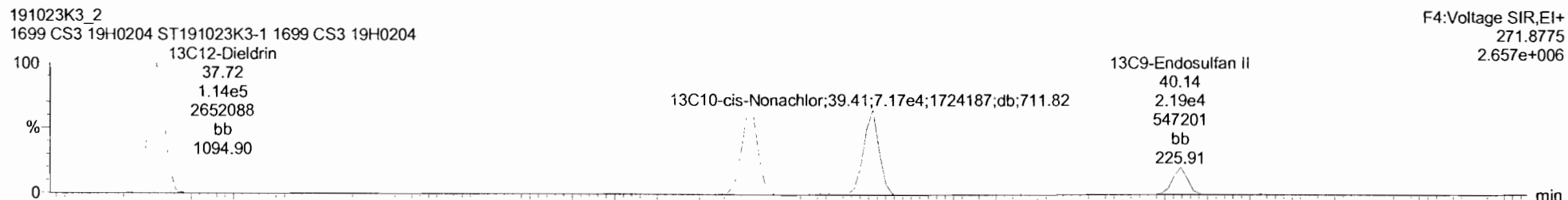
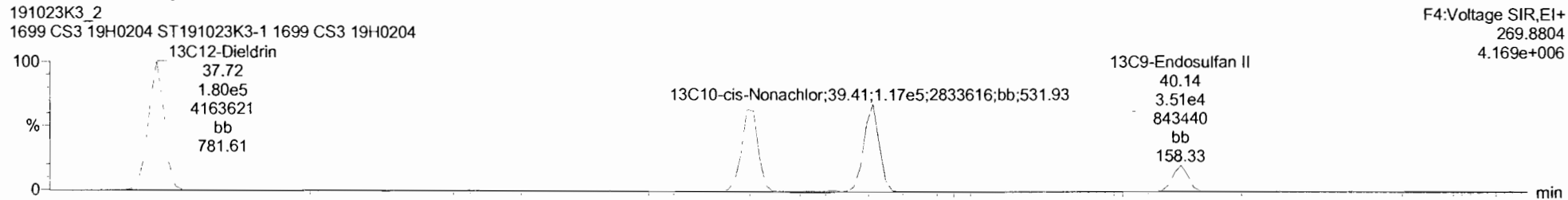
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-EII



Dieldrin-EII-isotopes



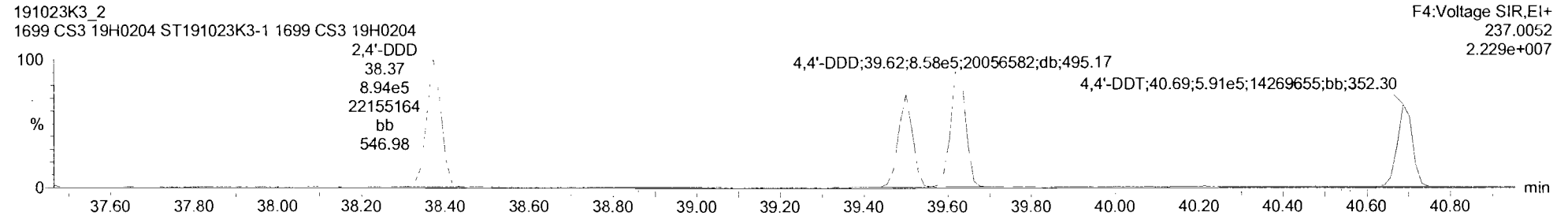
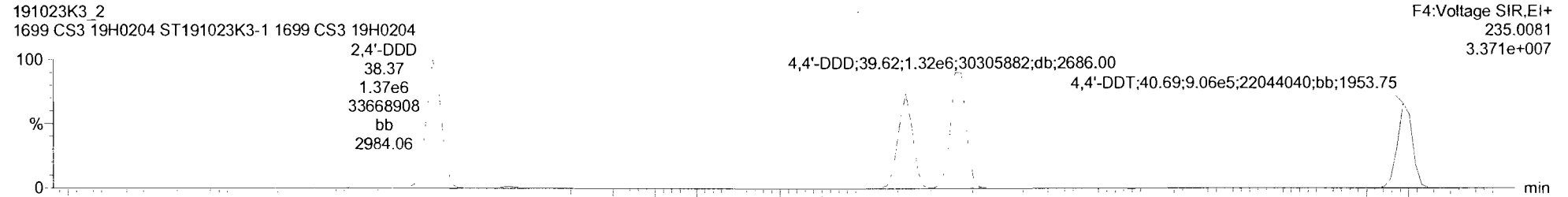
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Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

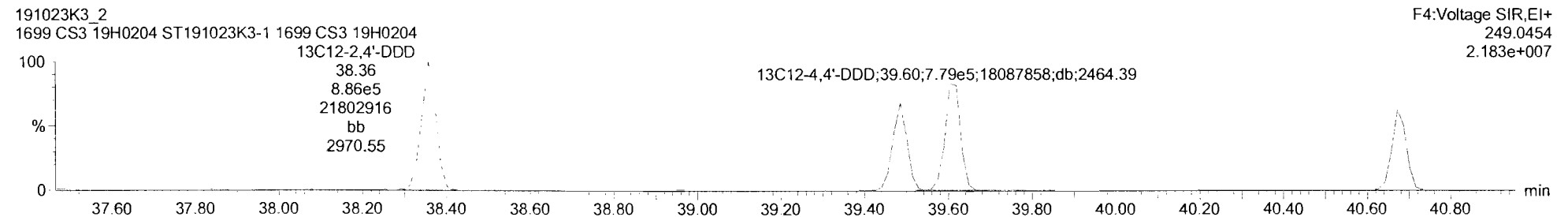
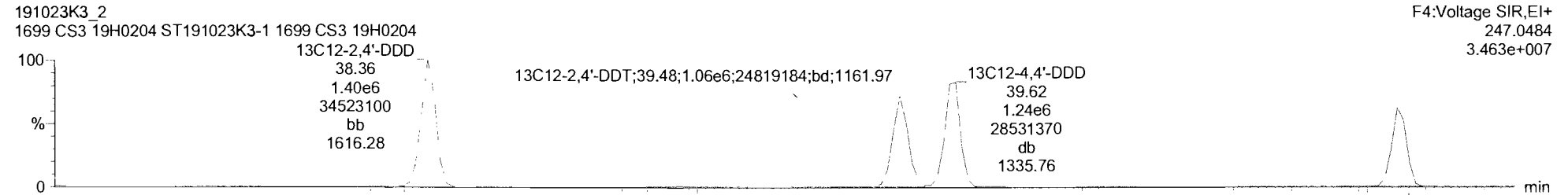
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Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

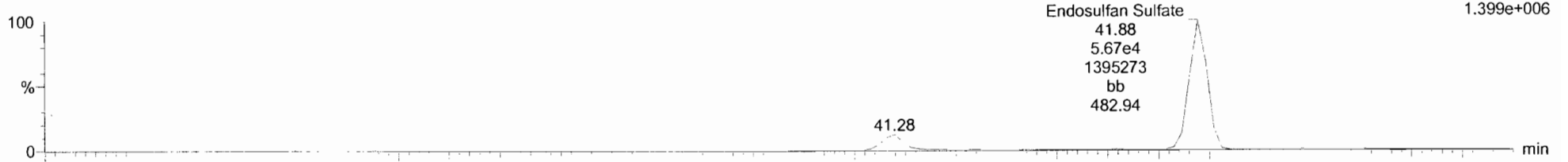
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Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

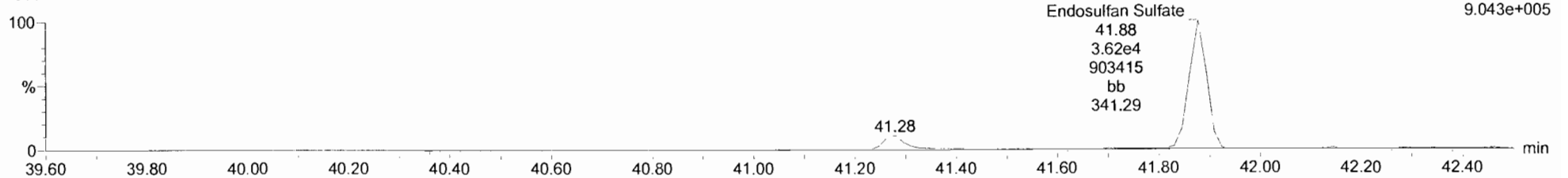
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
1.399e+006



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

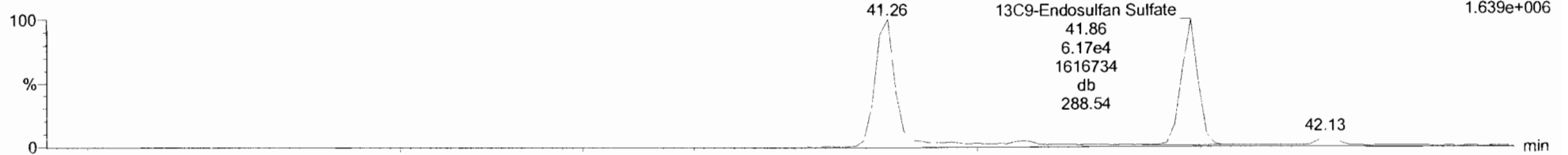
F5:Voltage SIR,EI+
264.8540
9.043e+005



13C9-Endosulfan Sulfate

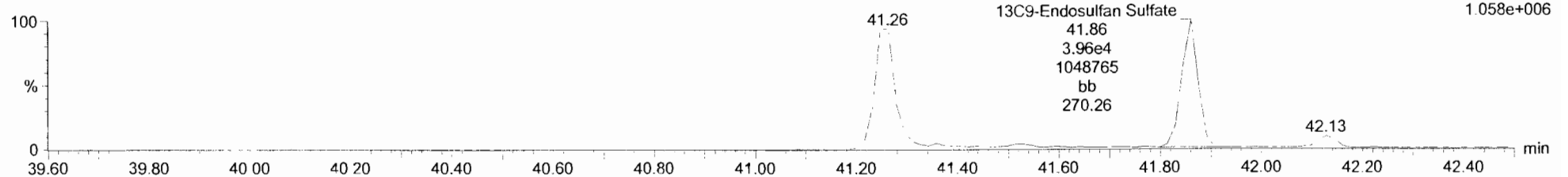
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
269.8804
1.639e+006



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
1.058e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

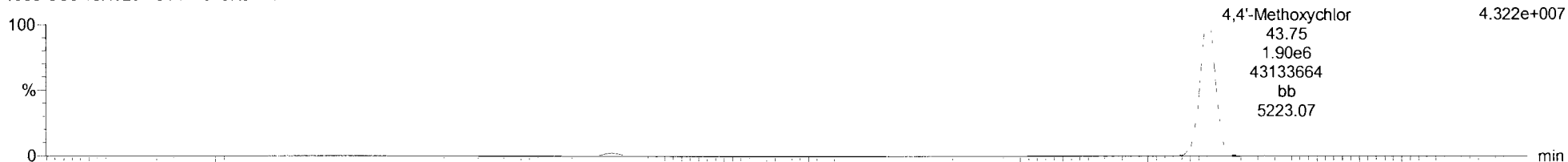
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

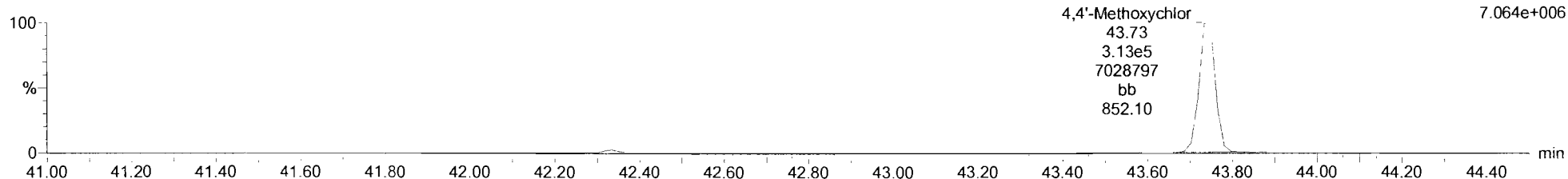
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
4.322e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

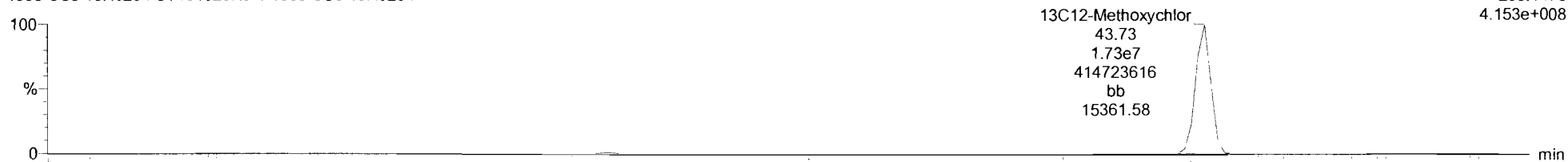
F5:Voltage SIR,EI+
228.1106
7.064e+006



13C12-Methoxychlor

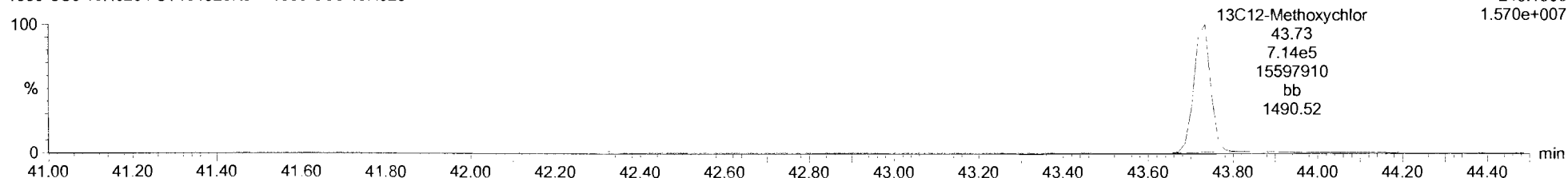
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
239.1475
4.153e+008



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
1.570e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

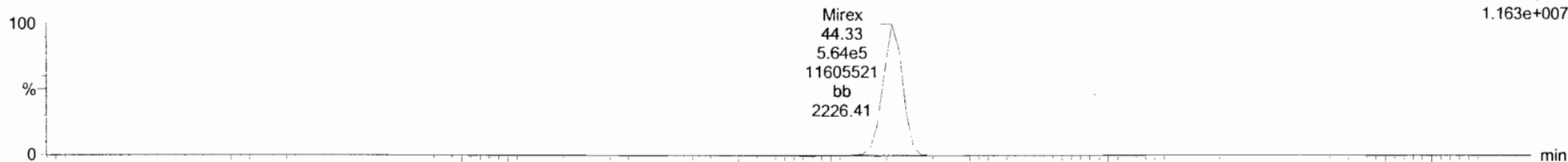
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Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Mirex

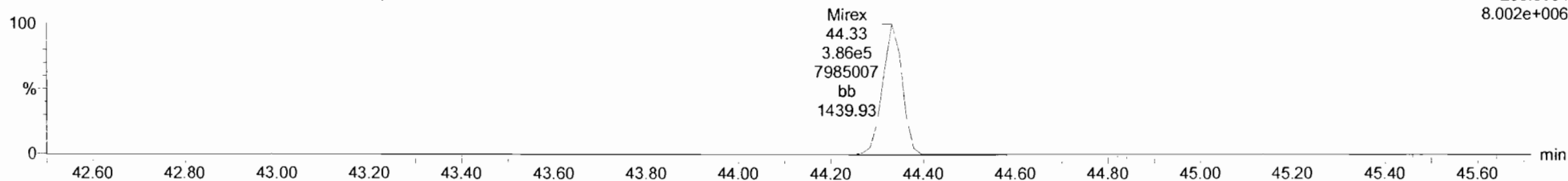
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
1.163e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

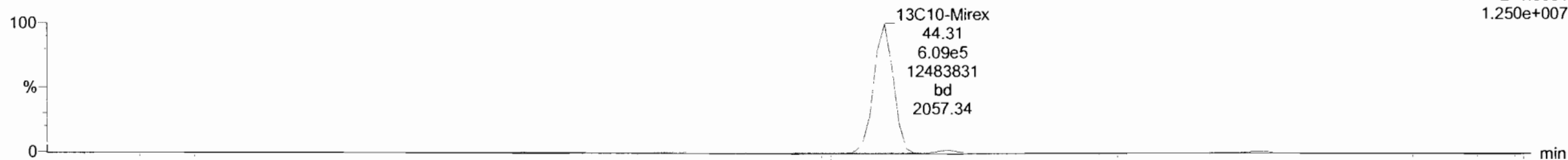
F5:Voltage SIR,EI+
238.8384
8.002e+006



13C10-Mirex

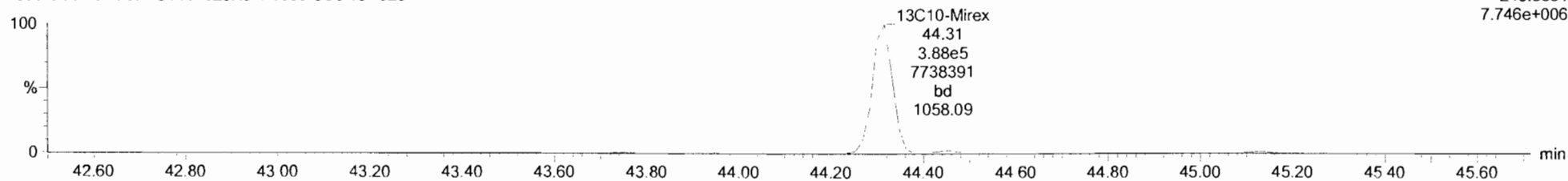
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
1.250e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
7.746e+006



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

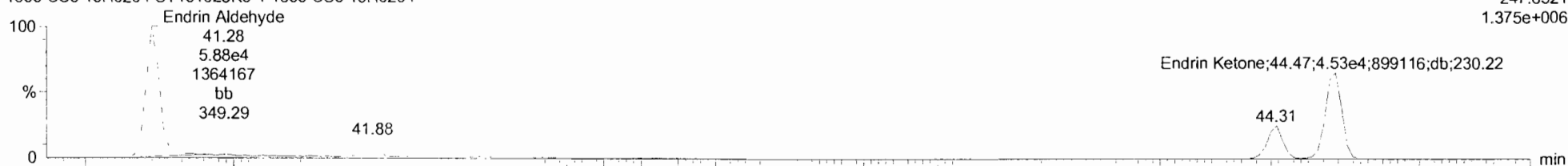
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

EA-EK

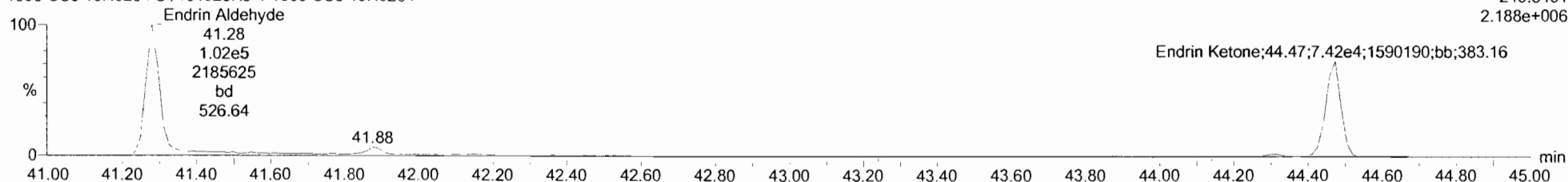
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
247.8521
1.375e+006



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

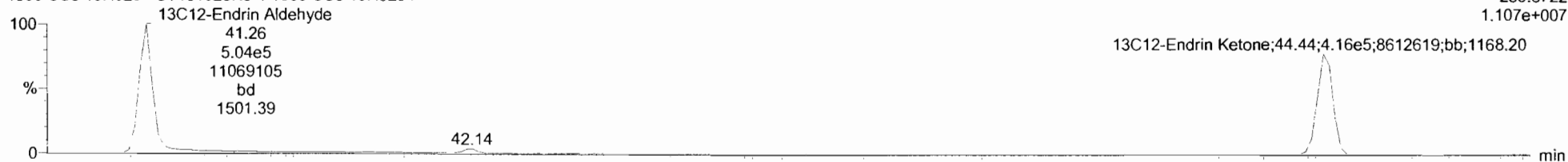
F5:Voltage SIR,EI+
249.8491
2.188e+006



EA-EK-isotopes

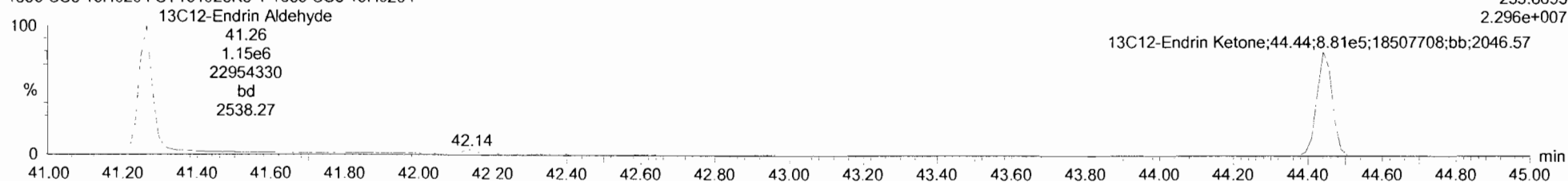
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1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

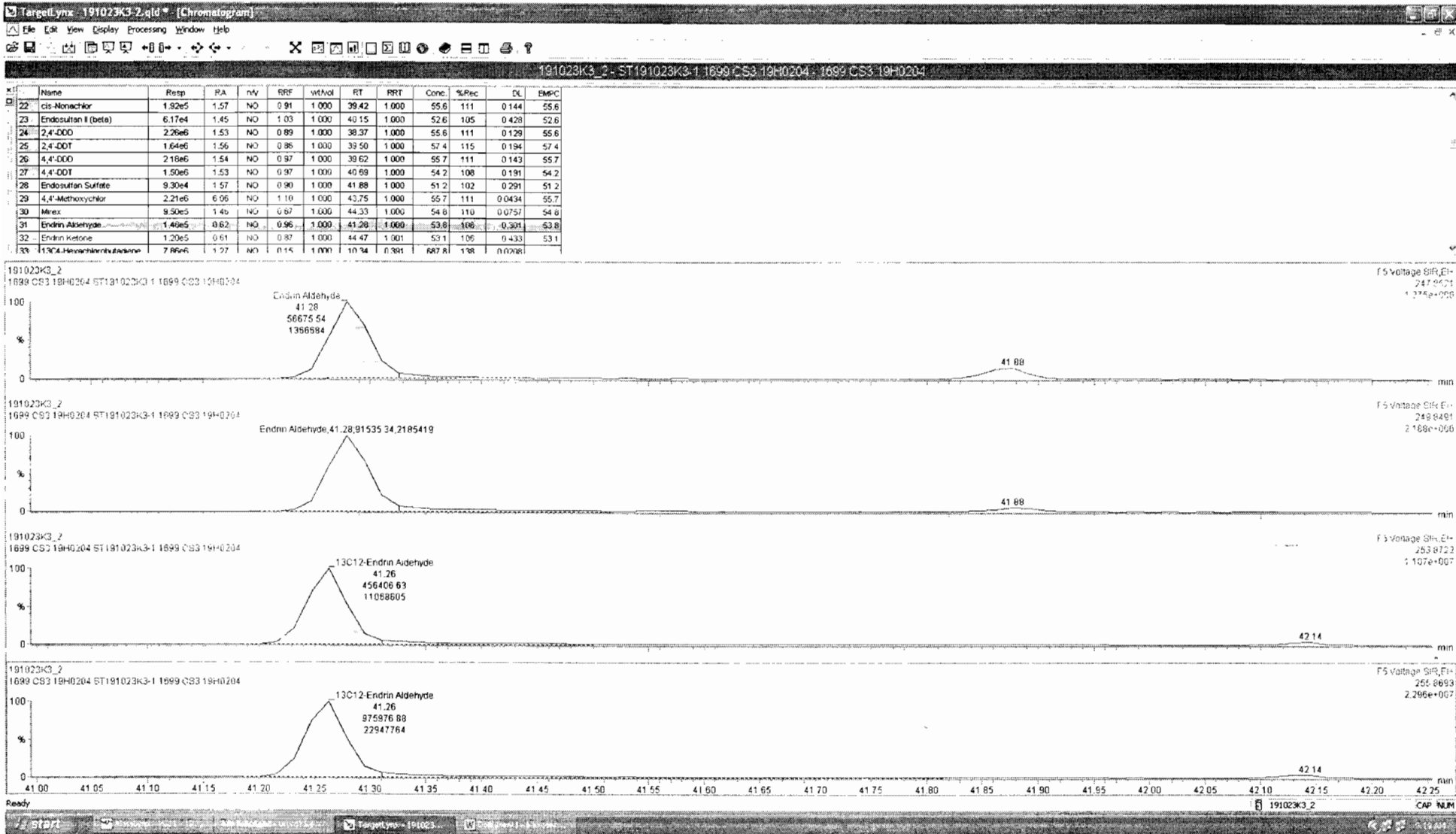
F5:Voltage SIR,EI+
253.8722
1.107e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
2.296e+007





Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

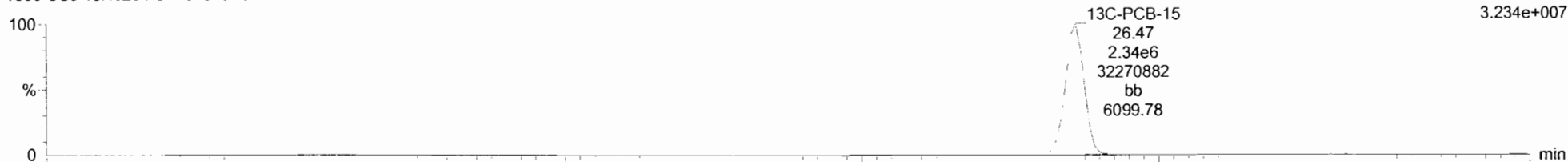
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-15

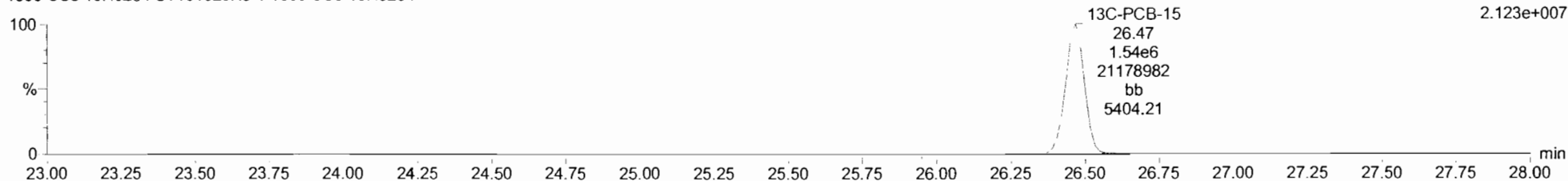
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
3.234e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

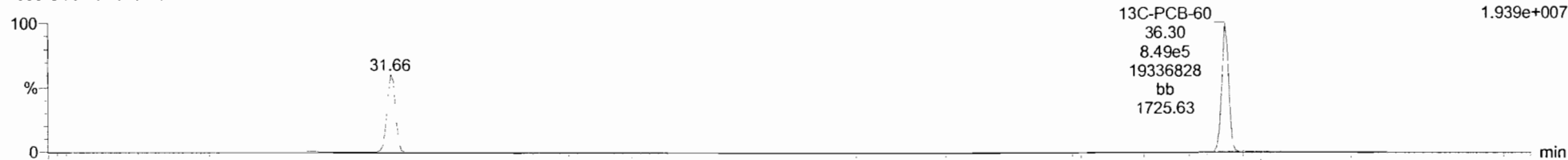
F2:Voltage SIR,EI+
236.0376
2.123e+007



13C-PCB-60

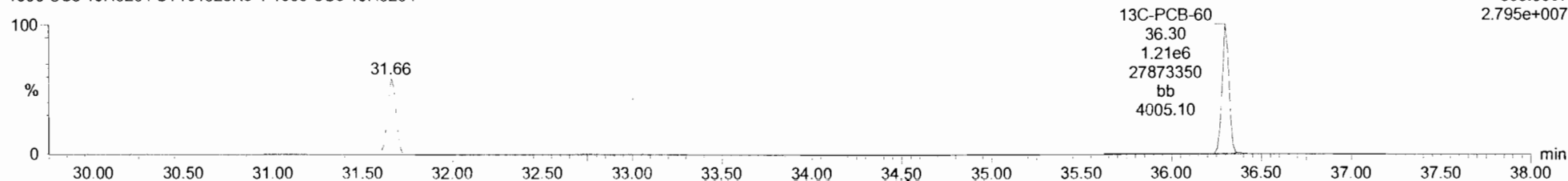
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
1.939e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
2.795e+007



Dataset: Untitled

Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

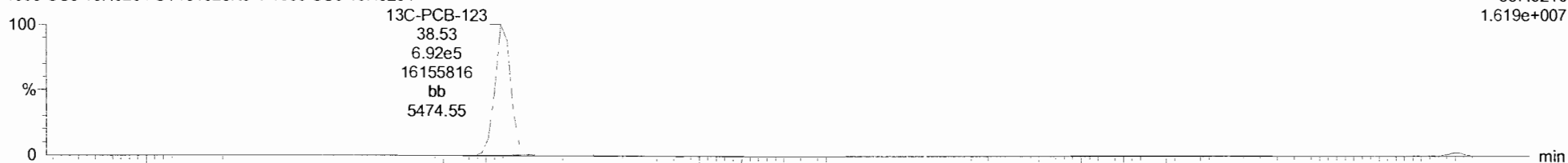
Printed: Thursday, October 24, 2019 09:16:14 Pacific Daylight Time

Name: 191023K3_2, Date: 24-Oct-2019, Time: 06:24:07, ID: ST191023K3-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-123

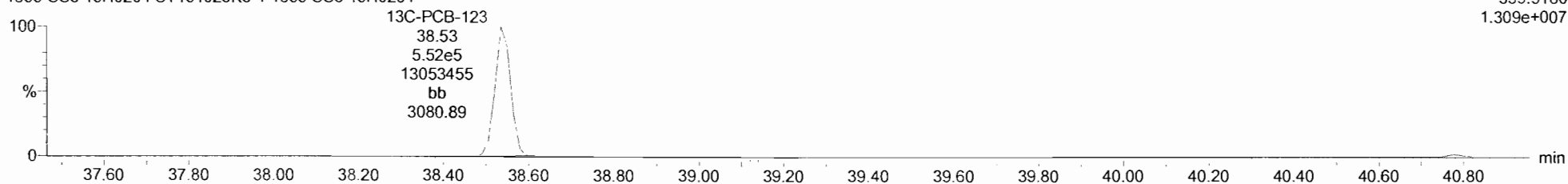
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
337.9210
1.619e+007



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

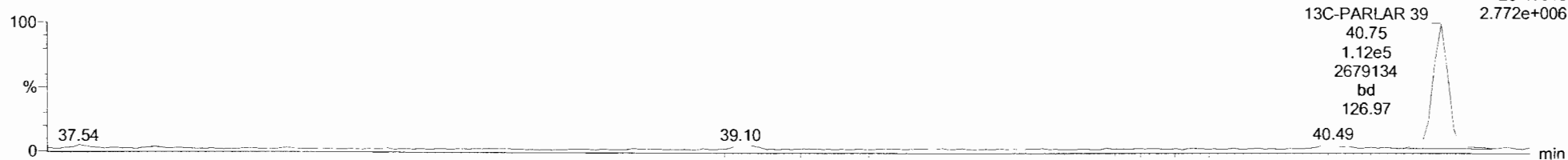
F4:Voltage SIR,EI+
339.9180
1.309e+007



13C-PARLAR 39

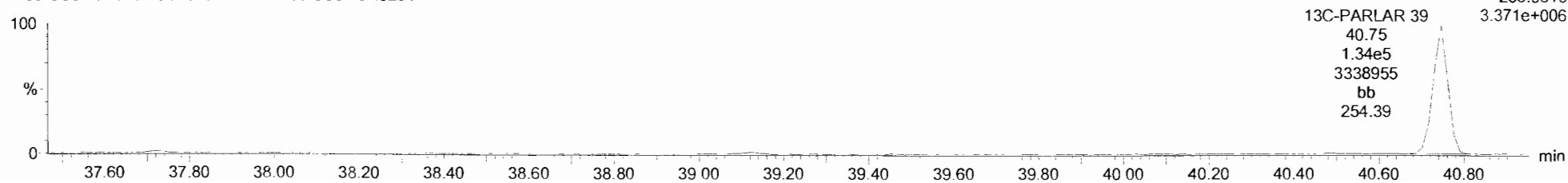
191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
251.9648
2.772e+006



191023K3_2
1699 CS3 19H0204 ST191023K3-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
253.9619
3.371e+006



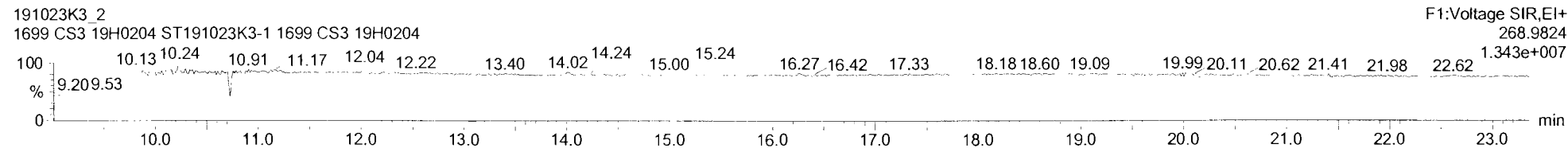
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Last Altered: Thursday, October 24, 2019 09:15:59 Pacific Daylight Time

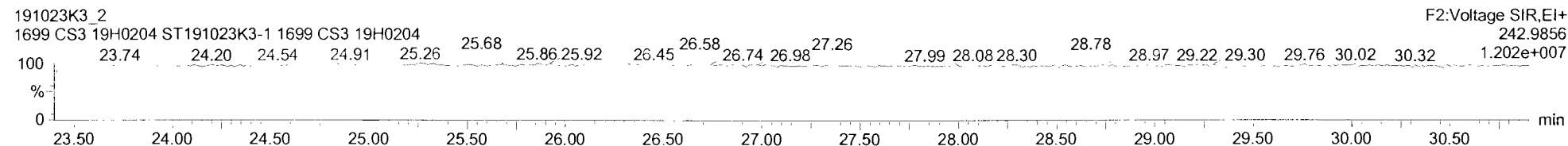
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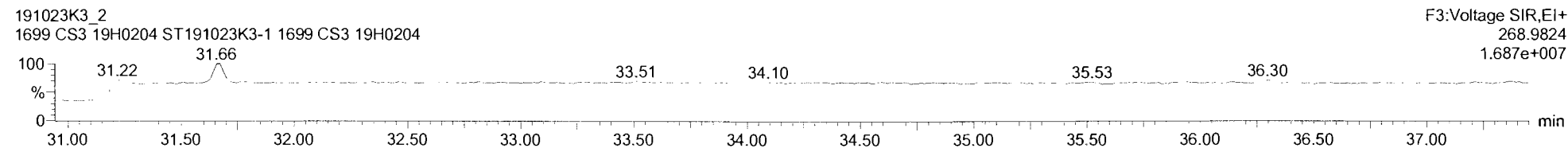
PFK1



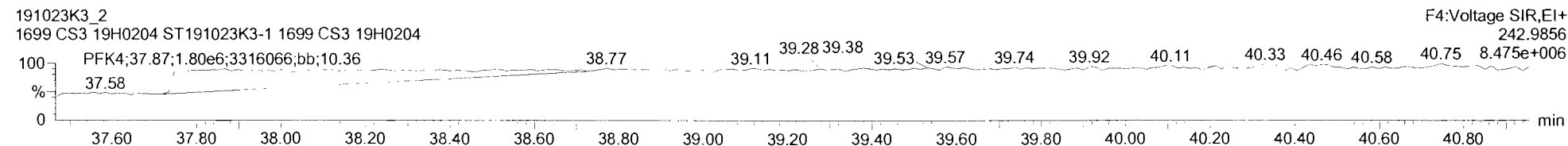
PFK2



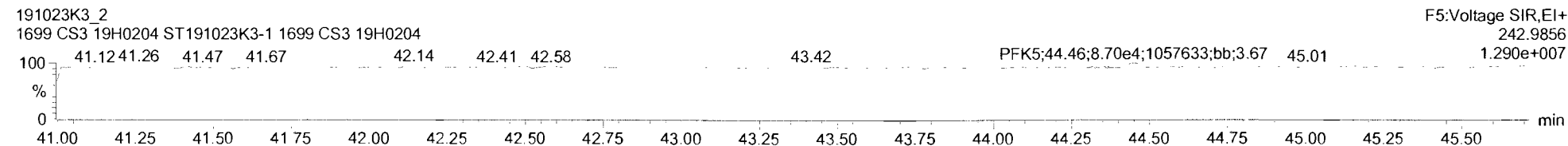
PFK3



PFK4

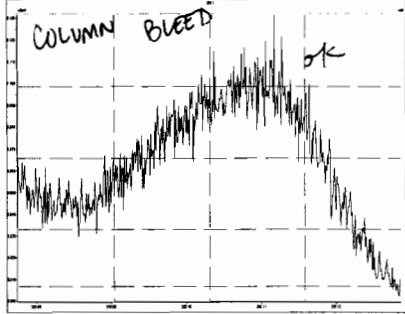


PFK5

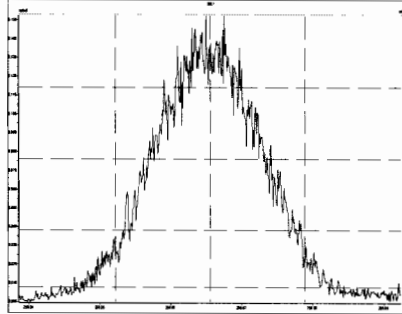


Printed: Thursday, October 24, 2019 14:46:38 Pacific Daylight Time

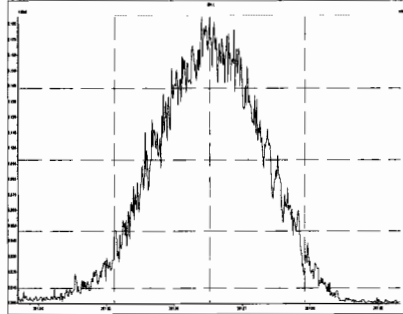
M 254.9856 R 0



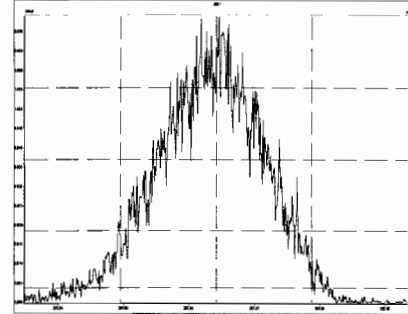
M 268.9824 R 8005



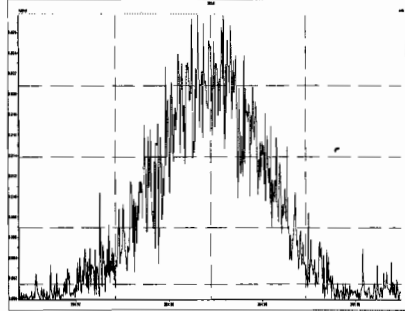
M 280.9824 R 8184



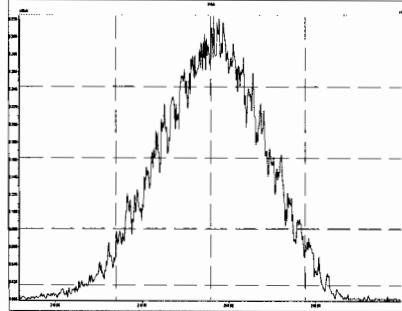
M 292.9824 R 8250



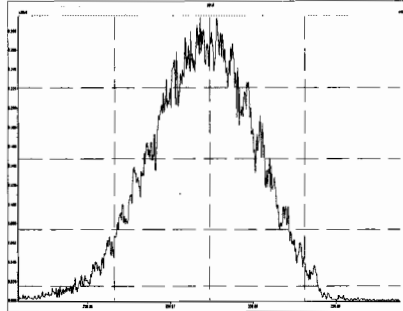
M 204.9888 R 9364



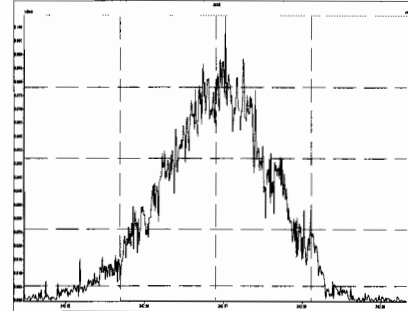
M 218.9856 R 7924



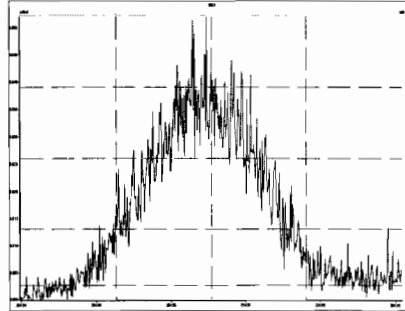
M 230.9856 R 8105



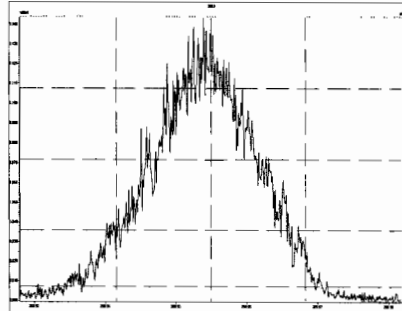
M 242.9856 R 8090



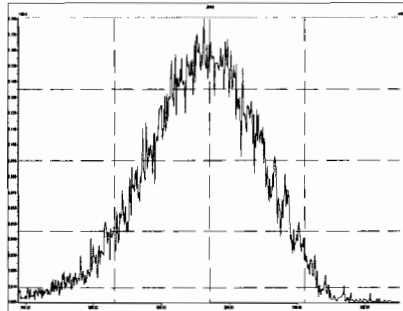
M 254.9856 R 7702



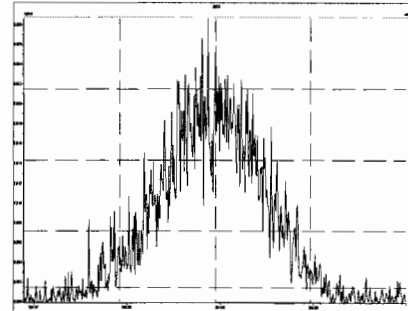
M 268.9824 R 7954



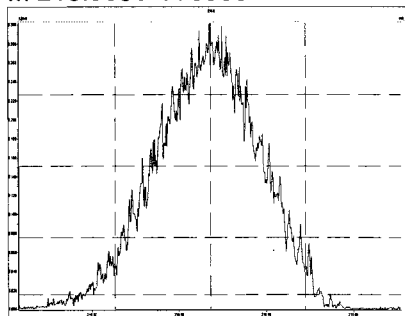
M 280.9824 R 7568



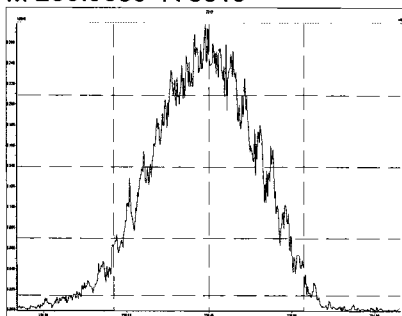
M 204.9888 R 8695



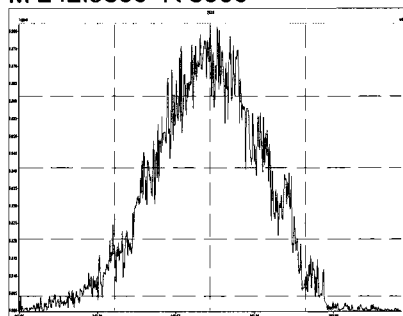
M 218.9856 R 8333



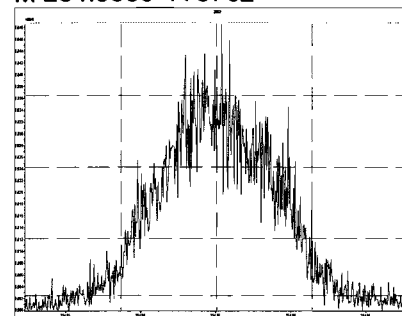
M 230.9856 R 8319



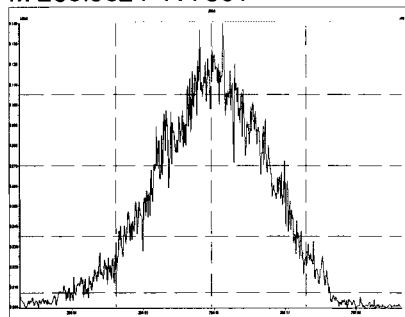
M 242.9856 R 8506



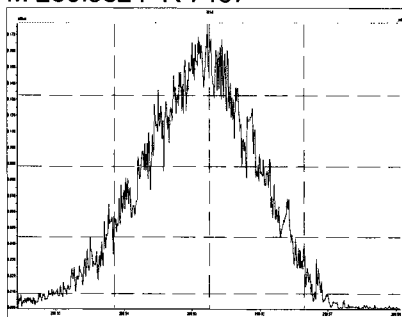
M 254.9856 R 8762



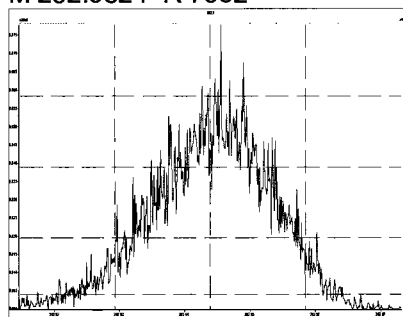
M 268.9824 R 7861



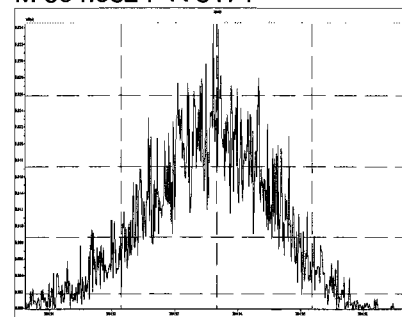
M 280.9824 R 7467



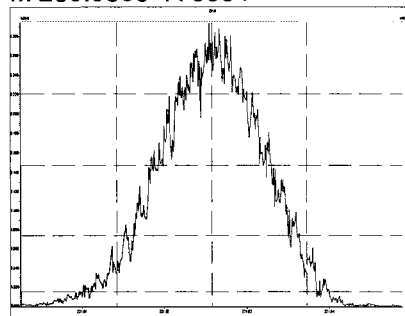
M 292.9824 R 7952



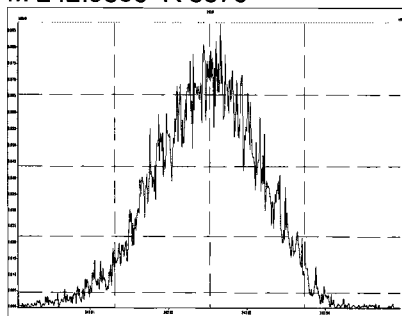
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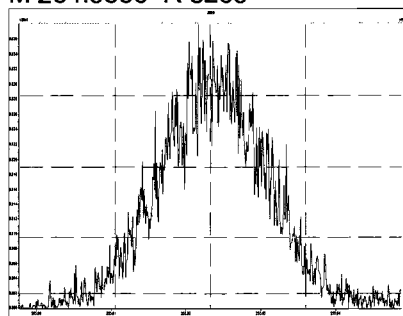
M 230.9856 R 8334



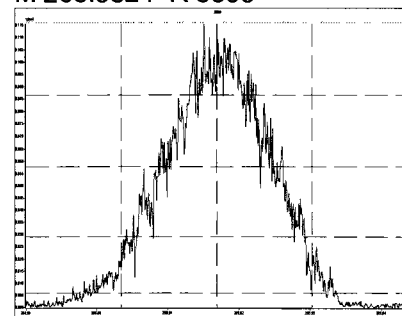
M 242.9856 R 8576



M 254.9856 R 8269

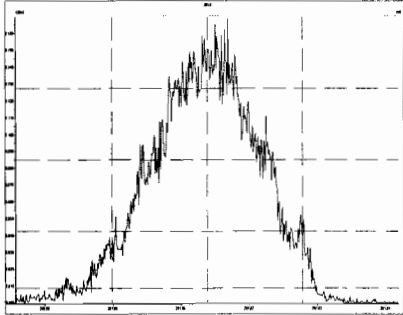


M 268.9824 R 8309

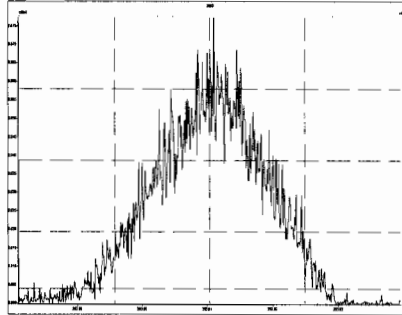


Printed: Thursday, October 24, 2019 14:46:38 Pacific Daylight Time

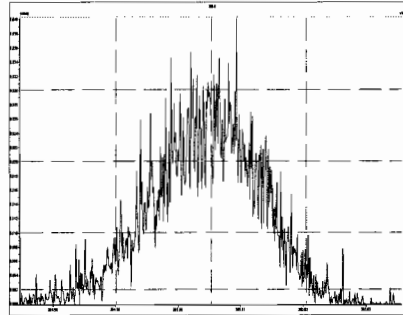
M 280.9824 R 8475



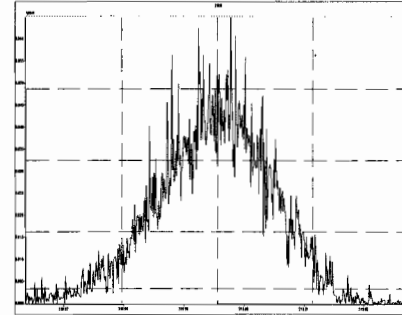
M 292.9824 R 8510



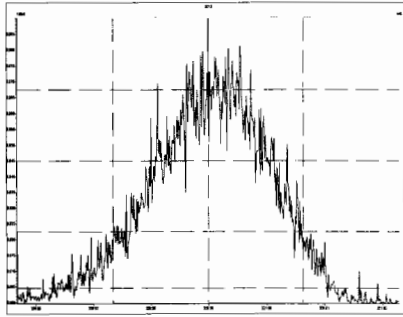
M 304.9824 R 9030



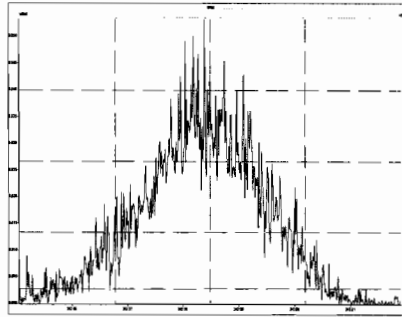
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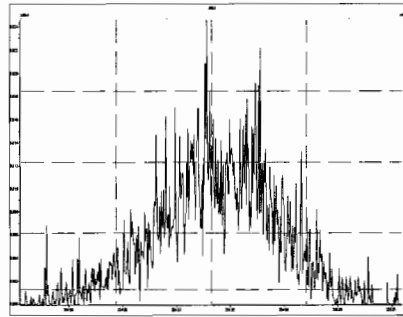
M 330.9792 R 7631



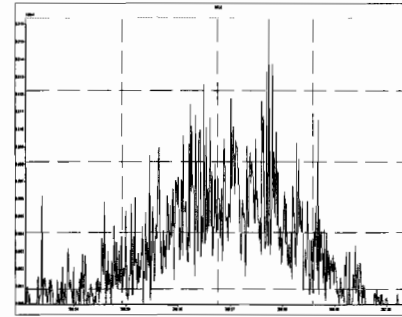
M 342.9792 R 8370



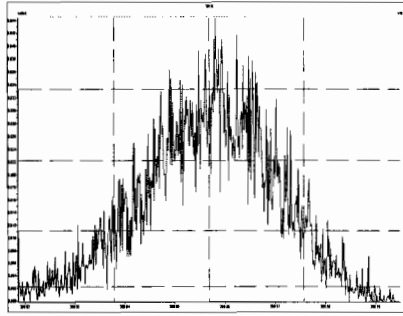
M 354.9792 R 9466



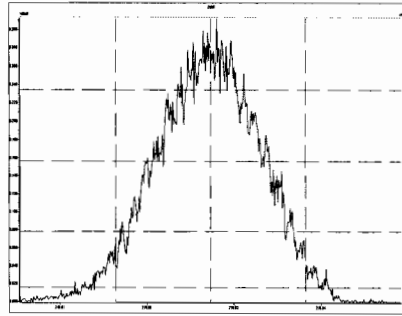
M 366.9792 R 10024



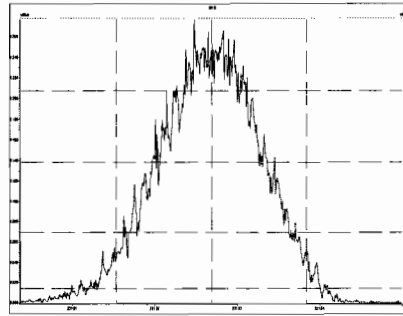
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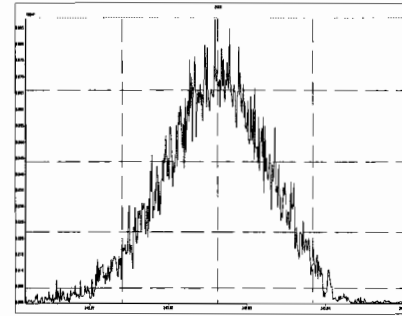
M 218.9856 R 8227



M 230.9856 R 8156

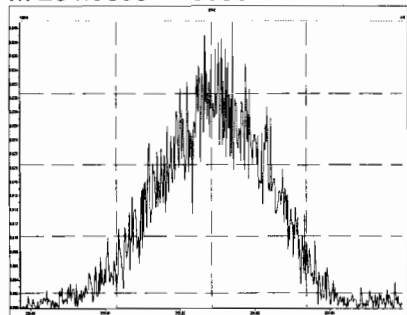


M 242.9856 R 8292

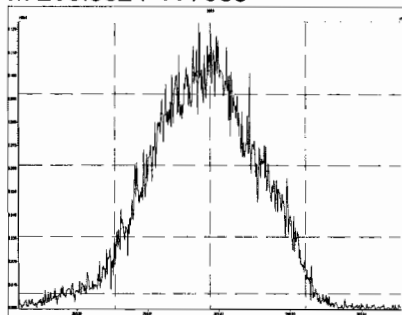


Printed: Thursday, October 24, 2019 14:46:38 Pacific Daylight Time

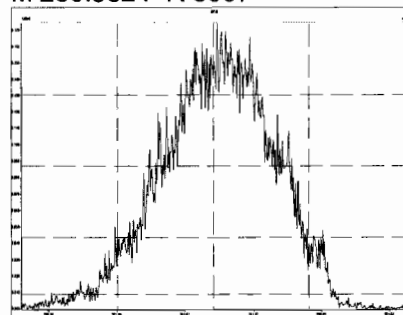
M 254.9856 R 8636



M 268.9824 R 7989



M 280.9824 R 8067



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191025K1-1

Reviewed By: Hr 10.26.19

Initials & Date

End Calibration ID: NA

	<u>Beg.</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/> NA	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>GRB</u>	<u>↓</u>
<u>Run Log:</u>		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?	<u>GRB</u>	

Mass resolution \geq

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

	<u>Beg.</u>	<u>End</u>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA

GC Break <20%

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

NA

Comments:

Dataset: U:\VG11.PRO\Results\191025K1\191025K1-1.qld

Last Altered: Friday, October 25, 2019 10:15:20 Pacific Daylight Time

Printed: Friday, October 25, 2019 10:16:02 Pacific Daylight Time

GRB 10/25/19
Hr 10/26/19

Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2 Hexachlorobenzene	1.97e6	2.13e6	1.18	NO	0.840	1.000	23.12	23.11	1.001	1.001	NO	55.1	110	0.00504	55.1
2	3 Alpha-BHC	6.23e5	7.55e5	2.15	NO	0.751	1.000	23.69	23.67	1.001	1.002	NO	54.9	110	0.107	54.9
3	4 Lindane (gamma-BHC)	4.99e5	5.98e5	2.15	NO	0.717	1.000	27.00	26.98	1.001	1.001	NO	58.3	117	0.168	58.3
4	5 Beta-BHC	4.58e5	4.77e5	2.16	NO	0.870	1.000	29.00	29.01	1.001	1.000	NO	55.1	110	0.139	55.1
5	6 Delta-BHC	4.83e5	5.36e5	2.14	NO	0.817	1.000	30.68	30.68	1.001	1.001	NO	55.1	110	0.121	55.1
6	7 Heptachlor	4.49e5	4.68e5	1.05	NO	0.868	1.000	29.15	29.15	1.001	1.001	NO	55.1	110	0.0321	55.1
7	9 Aldrin	4.81e5	4.64e5	1.58	NO	0.946	1.000	31.25	31.25	1.001	1.001	NO	54.8	110	0.0603	54.8
8	10 Oxychlordane	1.34e5	1.36e5	1.62	NO	0.926	1.000	33.81	33.82	1.001	1.001	NO	53.3	107	0.200	53.3
9	11 cis-Heptachlor Epoxide	1.86e5	1.80e5	1.56	NO	0.937	1.000	34.60	34.61	1.001	1.001	NO	55.3	111	0.140	55.3
10	12 trans-Heptachlor Epox...	4.66e4	1.80e5	1.61	NO	0.238	1.000	35.10	35.10	1.015	1.015	NO	54.4	109	0.550	54.4
11	13 trans-Chlordane (gam...	1.47e5	1.40e5	1.56	NO	0.980	1.000	35.50	35.51	1.001	1.001	NO	53.4	107	0.164	53.4
12	14 trans-Nonachlor	1.59e5	1.59e5	1.60	NO	0.902	1.000	35.69	35.70	1.001	1.001	NO	55.4	111	0.159	55.4
13	15 cis-Chlordane	1.58e5	1.59e5	1.61	NO	0.899	1.000	36.18	36.18	1.014	1.014	NO	55.0	110	0.159	55.0
14	16 Endosulfan I (alpha)	1.00e5	9.25e4	1.64	NO	1.03	1.000	36.29	36.28	1.000	1.001	NO	52.2	104	0.215	52.2
15	18 2,4'-DDE	2.31e6	2.81e6	1.23	NO	0.758	1.000	36.16	36.17	1.000	1.000	NO	54.4	109	0.199	54.4
16	19 4,4'-DDE	1.75e6	2.06e6	1.26	NO	0.771	1.000	37.24	37.23	1.000	1.000	NO	55.0	110	0.245	55.0
17	20 Dieldrin	2.32e5	2.40e5	1.57	NO	0.927	1.000	37.74	37.75	1.001	1.000	NO	52.1	104	0.111	52.1
18	21 Endrin	2.03e5	1.90e5	1.54	NO	0.902	1.000	39.13	39.14	1.000	1.000	NO	59.4	119	0.151	59.4
19	22 cis-Nonachlor	1.41e5	1.45e5	1.53	NO	0.913	1.000	39.42	39.42	1.000	1.000	NO	53.3	107	0.187	53.3
20	23 Endosulfan II (beta)	4.70e4	4.34e4	1.47	NO	1.03	1.000	40.14	40.15	1.000	1.000	NO	52.7	105	0.540	52.7
21	24 2,4'-DDD	1.94e6	2.06e6	1.53	NO	0.890	1.000	38.36	38.37	1.000	1.000	NO	53.0	106	0.221	53.0
22	25 2,4'-DDT	1.40e6	1.47e6	1.51	NO	0.865	1.000	39.50	39.50	1.000	1.000	NO	54.9	110	0.323	54.9
23	26 4,4'-DDD	1.90e6	1.74e6	1.53	NO	0.971	1.000	39.64	39.63	1.000	1.000	NO	56.2	112	0.241	56.2
24	27 4,4'-DDT	1.40e6	1.22e6	1.52	NO	0.974	1.000	40.69	40.69	1.000	1.000	NO	58.9	118	0.347	58.9
25	28 Endosulfan Sulfate	7.14e4	7.56e4	1.54	NO	0.896	1.000	41.86	41.88	1.000	1.000	NO	52.7	105	0.413	52.7
26	29 4,4'-Methoxychlor	1.69e6	1.40e7	6.00	NO	1.10	1.000	43.74	43.75	1.000	1.000	NO	55.0	110	0.0538	55.0
27	30 Mirex	6.63e5	7.04e5	1.44	NO	0.870	1.000	44.34	44.33	1.000	1.000	NO	54.2	108	0.0820	54.2
28	31 Endrin Aldehyde	1.11e5	1.11e6	0.61	NO	0.962	1.000	41.28	41.28	1.000	1.000	NO	52.0	104	0.302	52.0
29	32 Endrin Ketone	8.61e4	9.42e5	0.65	NO	0.867	1.000	44.44	44.47	1.001	1.000	NO	52.7	105	0.495	52.7
30	34 13C6-Hexachlorobenz...	2.13e6	2.77e6	1.29	NO	0.710	1.000	23.10	23.10	0.873	0.873	NO	54.1	108	0.00584	54.1
31	35 13C6-Alpha-BHC	7.55e5	2.77e6	0.80	NO	0.255	1.000	23.65	23.64	0.893	0.893	NO	53.3	107	0.246	53.3

Dataset: U:\VG11.PRO\Results\191025K1\191025K1-1.qld

Last Altered: Friday, October 25, 2019 10:15:20 Pacific Daylight Time

Printed: Friday, October 25, 2019 10:16:02 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

	#-Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
32	36 13C6-Lindane (gamma)	5.98e5	2.77e6	0.79	NO	0.216	1.000	26.97	26.97	1.019	1.019	NO	50.0	100	50-150	0.292
33	37 13C6-Beta-BHC	4.77e5	2.77e6	0.77	NO	0.162	1.000	29.00	28.99	1.095	1.095	NO	53.0	106		0.387
34	38 13C6-Delta-BHC	5.36e5	2.77e6	0.82	NO	0.185	1.000	30.67	30.66	1.158	1.159	NO	52.3	105		0.340
35	39 13C10-Heptachlor	4.68e5	2.77e6	1.26	NO	0.178	1.000	29.13	29.12	1.100	1.100	NO	47.5	95.1		0.0453
36	40 13C12-Aldrin	4.64e5	2.77e6	1.63	NO	0.186	1.000	31.23	31.22	1.180	1.180	NO	44.9	89.9		0.113
37	41 13C10-Oxychlorane	1.36e5	2.77e6	1.66	NO	0.0499	1.000	33.81	33.79	1.277	1.277	NO	49.1	98.3		0.422
38	42 13C10-cis-Heptachlor ...	1.80e5	2.77e6	1.67	NO	0.0657	1.000	34.59	34.58	1.306	1.307	NO	49.3	98.7		0.320
39	43 13C10-trans-Chlordan...	1.40e5	2.77e6	1.58	NO	0.0525	1.000	35.49	35.48	1.340	1.341	NO	48.2	96.4		0.400
40	44 13C10-trans-Nonachlor	1.59e5	2.77e6	1.63	NO	0.0587	1.000	35.67	35.67	1.348	1.348	NO	49.0	98.0		0.358
41	45 13C9-Endosulfan I (al...	9.25e4	2.77e6	1.68	NO	0.0343	1.000	36.27	36.27	1.370	1.370	NO	48.7	97.3		0.613
42	46 13C12-2,4'-DDE	2.81e6	2.77e6	1.56	NO	1.01	1.000	36.16	36.15	0.996	0.996	NO	50.1	100		0.130
43	47 13C12-4,4'-DDE	2.06e6	2.77e6	1.57	NO	0.760	1.000	37.22	37.22	1.025	1.025	NO	48.8	97.7		0.173
44	48 13C12-Dieldrin	2.40e5	2.77e6	1.58	NO	0.0797	1.000	37.72	37.72	1.039	1.039	NO	54.4	109		0.309
45	49 13C12-Endrin	1.90e5	2.77e6	1.61	NO	0.0599	1.000	39.11	39.13	1.078	1.078	NO	57.2	114		0.411
46	50 13C10-cis-Nonachlor	1.45e5	2.77e6	1.55	NO	0.0486	1.000	39.39	39.41	1.086	1.085	NO	53.8	108		0.507
47	51 13C9-Endosulfan II	4.34e4	2.77e6	1.56	NO	0.0145	1.000	40.13	40.14	1.106	1.106	NO	53.9	108		1.69
48	52 13C12-2,4'-DDD	2.06e6	2.77e6	1.59	NO	0.653	1.000	38.35	38.36	1.449	1.449	NO	56.8	114		0.114
49	53 13C12-2,4'-DDT	1.47e6	2.77e6	1.80	NO	0.443	1.000	39.53	39.48	1.492	1.493	NO	59.8	120		0.168
50	54 13C12-4,4'-DDD	1.74e6	2.77e6	1.58	NO	0.550	1.000	39.65	39.62	1.497	1.498	NO	57.2	114		0.136
51	55 13C12-4,4'-DDT	1.22e6	2.77e6	1.59	NO	0.354	1.000	40.67	40.67	1.537	1.537	NO	62.1	124		0.211
52	56 13C9-Endosulfan Sulf...	7.56e4	2.77e6	1.51	NO	0.0239	1.000	41.87	41.86	1.153	1.153	NO	57.0	114		1.23
53	57 13C12-Methoxychlor	1.40e7	2.77e6	23.74	NO	0.362	1.000	43.74	43.73	1.205	1.205	NO	697	139		0.300
54	58 13C10-Mirex	7.04e5	2.77e6	1.56	NO	0.184	1.000	44.30	44.31	1.221	1.220	NO	69.2	138		0.147
55	59 13C12-Endrin Aldehyde	1.11e6	2.77e6	0.45	NO	0.0307	1.000	41.27	41.26	1.137	1.137	NO	650	130		1.57
56	60 13C12-Endrin Ketone	9.42e5	2.77e6	0.46	NO	0.0240	1.000	44.45	44.44	1.224	1.225	NO	708	142		2.00
57	62 13C-PCB-15	2.77e6	2.77e6	1.50	NO	1.00	1.000	26.48	26.47	1.000	1.000	NO	50.0	100		0.0322

Dataset: Untitled

Last Altered: Saturday, October 26, 2019 12:37:59 Pacific Daylight Time

Printed: Saturday, October 26, 2019 12:38:17 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	191025K1_1	ST191025K1-1 1699 CS3 19H0204	25-Oct-19	09:18:50
2	191025K1_2	GC191025K1-2 GC BREAK	25-Oct-19	10:06:34
3	191025K1_3	SOLVENT BLANK	25-Oct-19	10:55:04
4	191025K1_4	1903285-07@5X PDI-103SG-00-01-190924 2....	25-Oct-19	11:44:34
5	191025K1_5	1903285-08@5X PDI-104SG-00-01-190924 2....	25-Oct-19	12:42:37
6	191025K1_6	1903285-09@5X PDI-105SG-00-0.99-190924 ...	25-Oct-19	13:30:13
7	191025K1_7	1903285-10@5X PDI-106SG-00-01-190924 2....	25-Oct-19	14:19:16
8	191025K1_8	SOLVENT BLANK	25-Oct-19	15:08:34
9	191025K1_9	B9J0216-BS1 OPR 1	25-Oct-19	15:58:04
10	191025K1_10	B9J0230-BS1 OPR 1	25-Oct-19	16:47:33
11	191025K1_11	SOLVENT BLANK	25-Oct-19	17:37:06
12	191025K1_12	B9J0216-BLK1 Method Blank 1	25-Oct-19	18:27:52
13	191025K1_13	SOLVENT BLANK	25-Oct-19	19:17:02
14	191025K1_14	1903221-02@20X MC19-SWED-F2 0.98463	25-Oct-19	20:05:47
15	191025K1_15	1903222-01@50X MC19-SWED-U1 1.01644	25-Oct-19	20:55:17

Dataset: U:\VG11.PRO\Results\191025K1\191025K1-2.qld

Last Altered: Friday, October 25, 2019 11:03:22 Pacific Daylight Time

Printed: Friday, October 25, 2019 11:04:20 Pacific Daylight Time

GRB 10/25/19

Hr 10-26-19

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 24 Oct 2019 08:33:09

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191025K1_2, Date: 25-Oct-2019, Time: 10:06:34, ID: GC191025K1-2 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	4.85e3	0.77	NO	41.28
2	2 Endrin Ketone	1.91e4	0.61	NO	44.46
3	3 Endrin	6.26e5	1.52	NO	39.14
4	4 4,4'-DDE			NO	
5	5 4,4'-DDD	4.59e5	1.50	NO	39.62
6	6 4,4'-DDT	9.09e6	1.54	NO	40.69

$$\frac{EA + EK}{E} \times 100\% = \underline{3.83\%}$$

$$\frac{DDE + DDD}{DDT} \times 100\% = \underline{5.05\%}$$

Dataset: Untitled

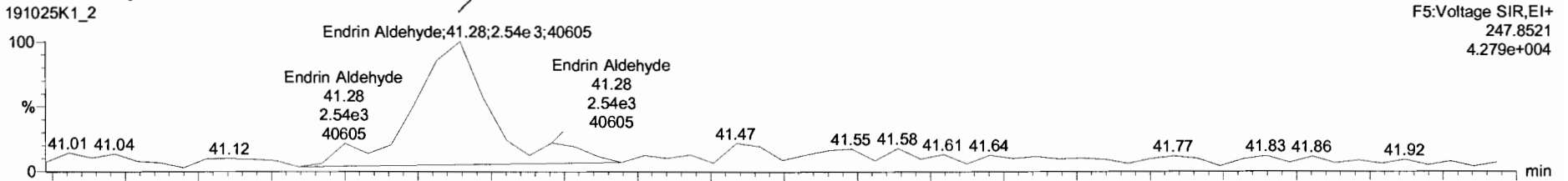
Last Altered: Friday, October 25, 2019 11:06:20 Pacific Daylight Time
Printed: Friday, October 25, 2019 11:06:27 Pacific Daylight Time

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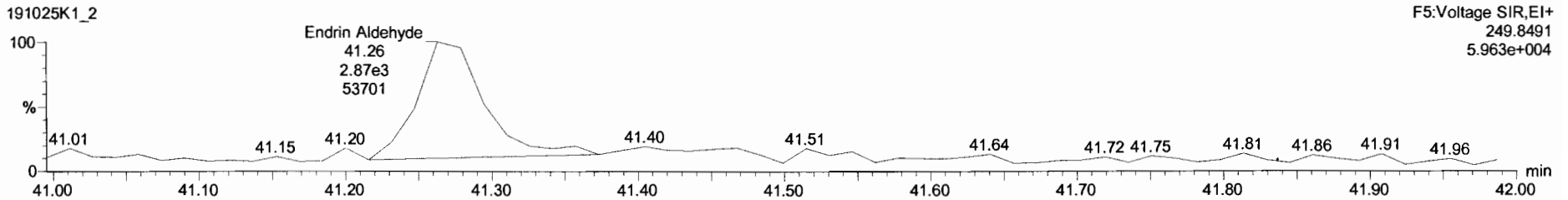
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Endrin Aldehyde

191025K1_2

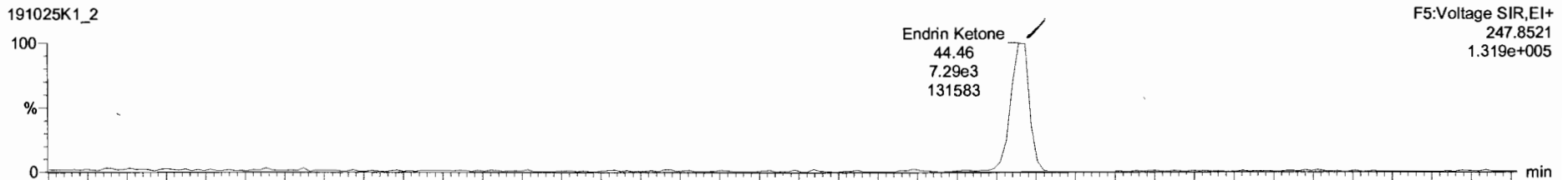


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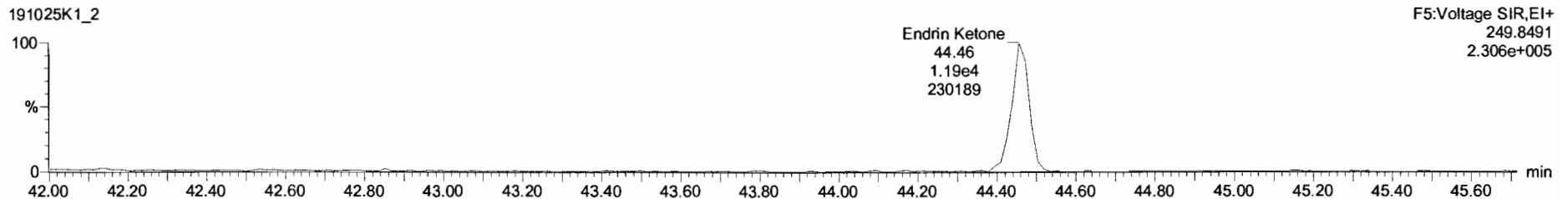


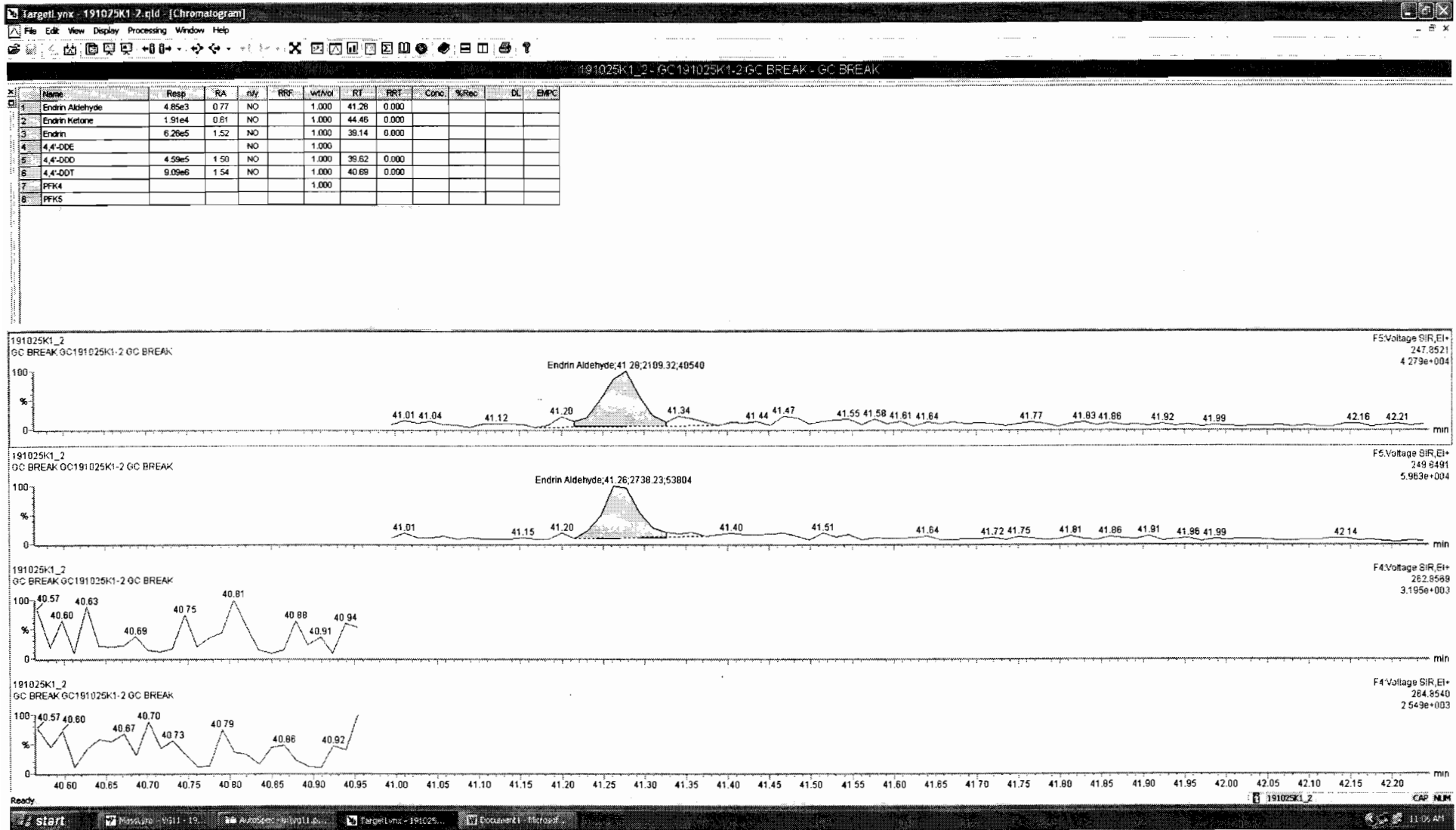
Endrin Ketone

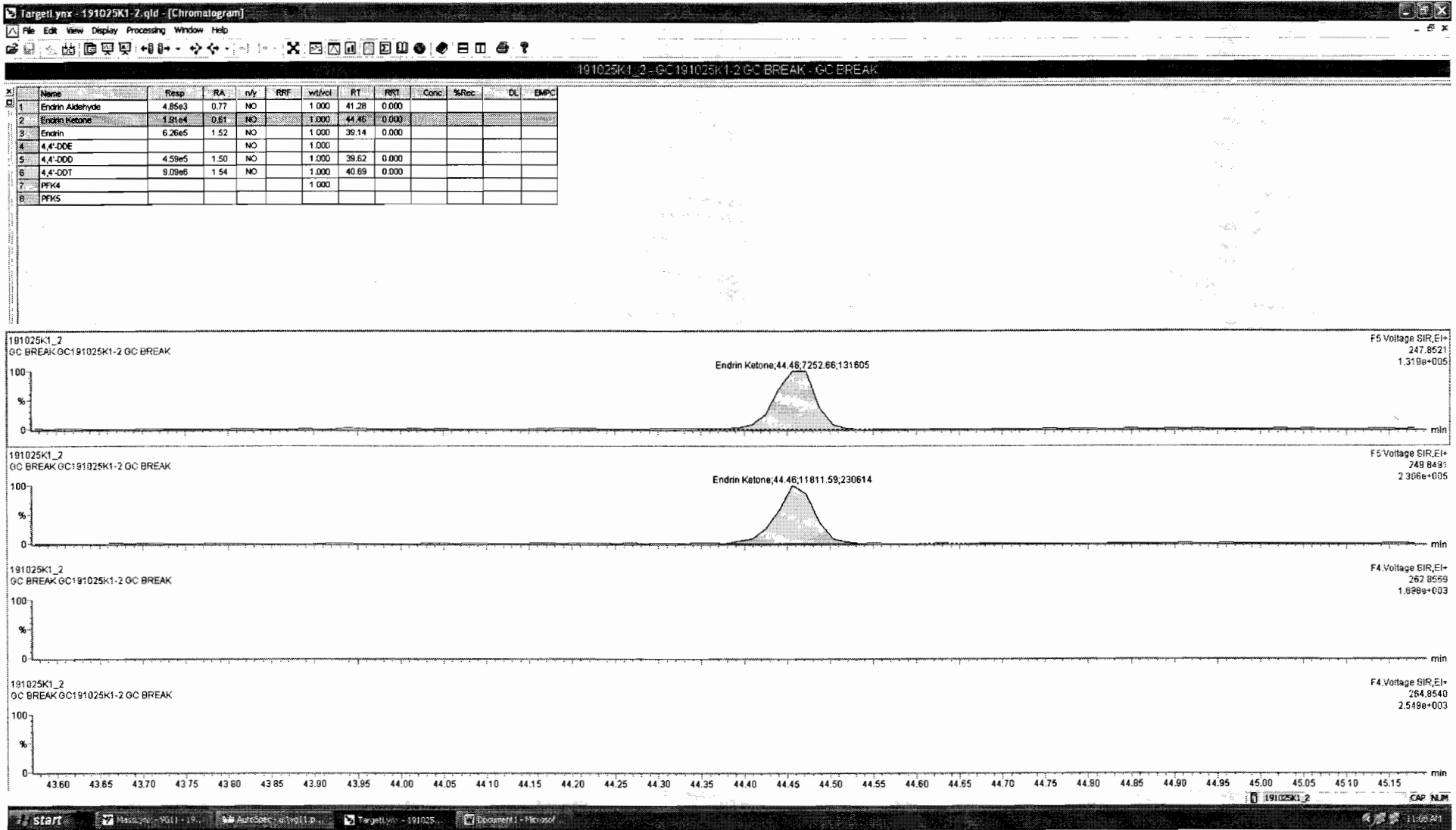
191025K1_2



191025K1_2



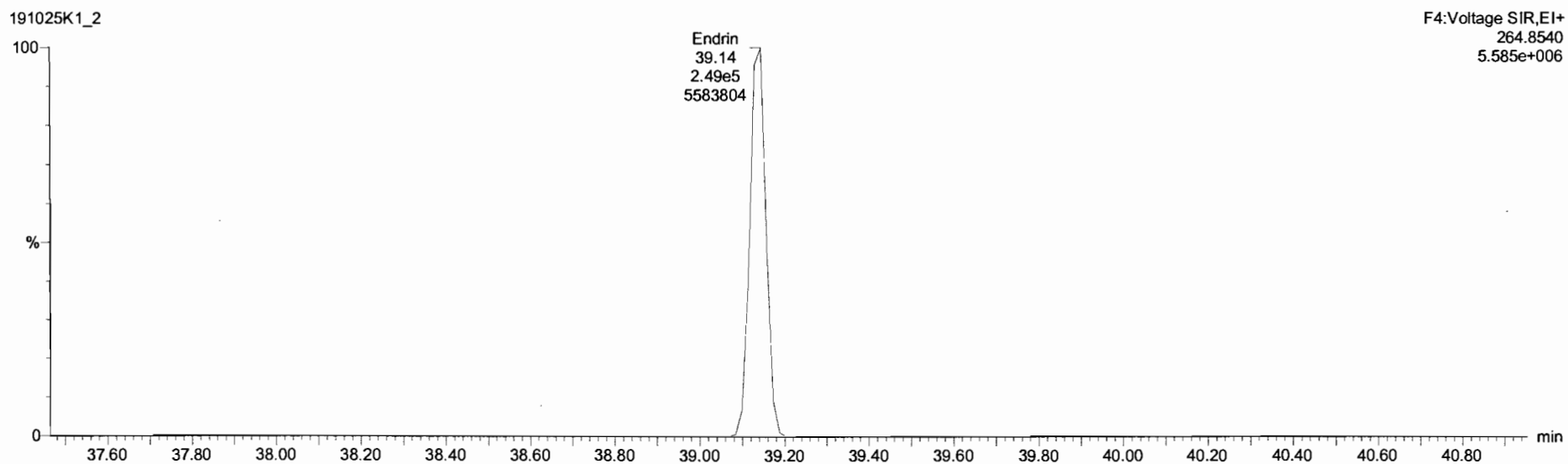
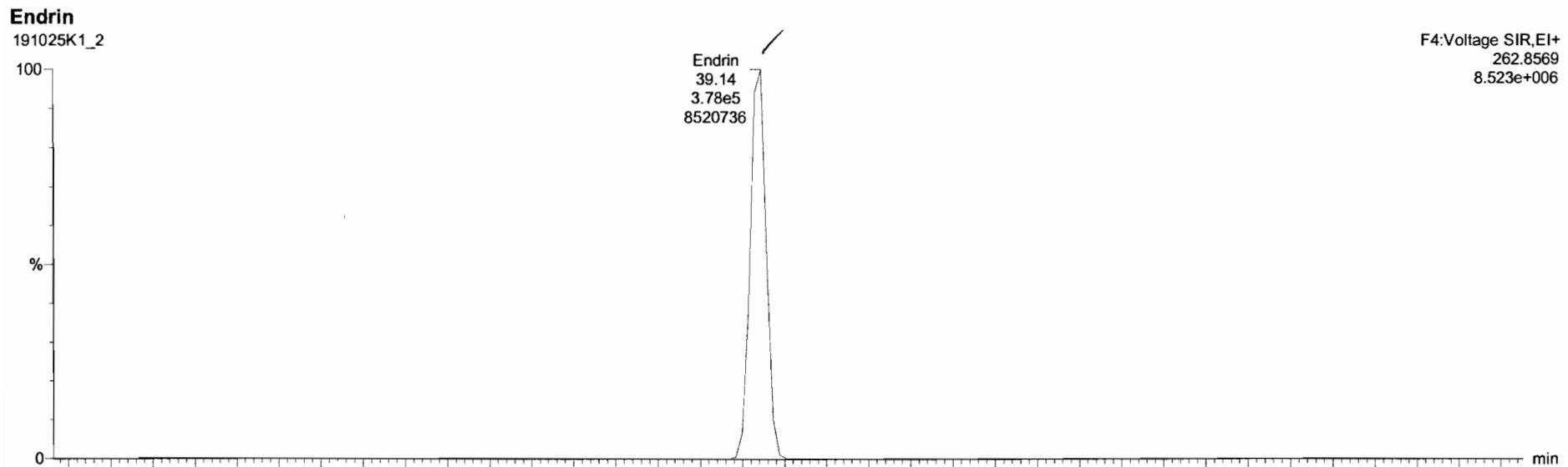




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Printed: Friday, October 25, 2019 11:06:27 Pacific Daylight Time

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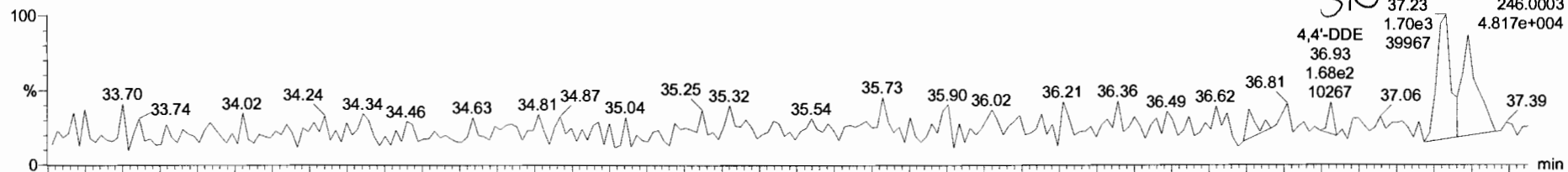
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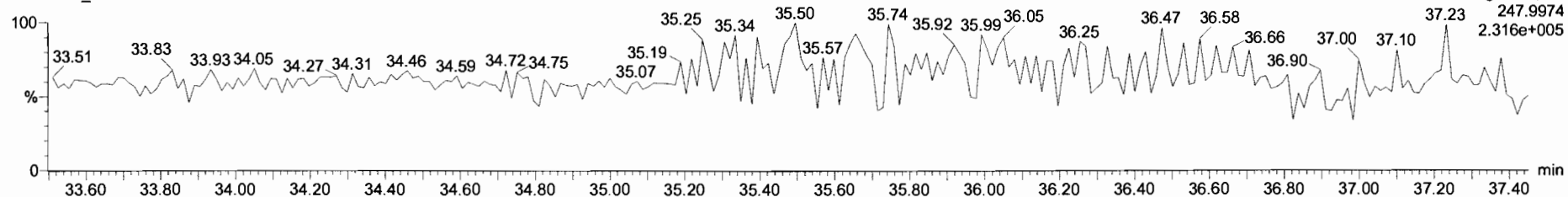
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4,4'-DDE

191025K1_2



191025K1_2

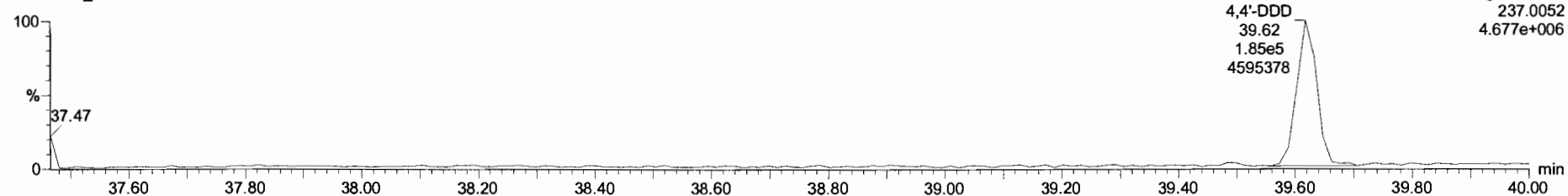


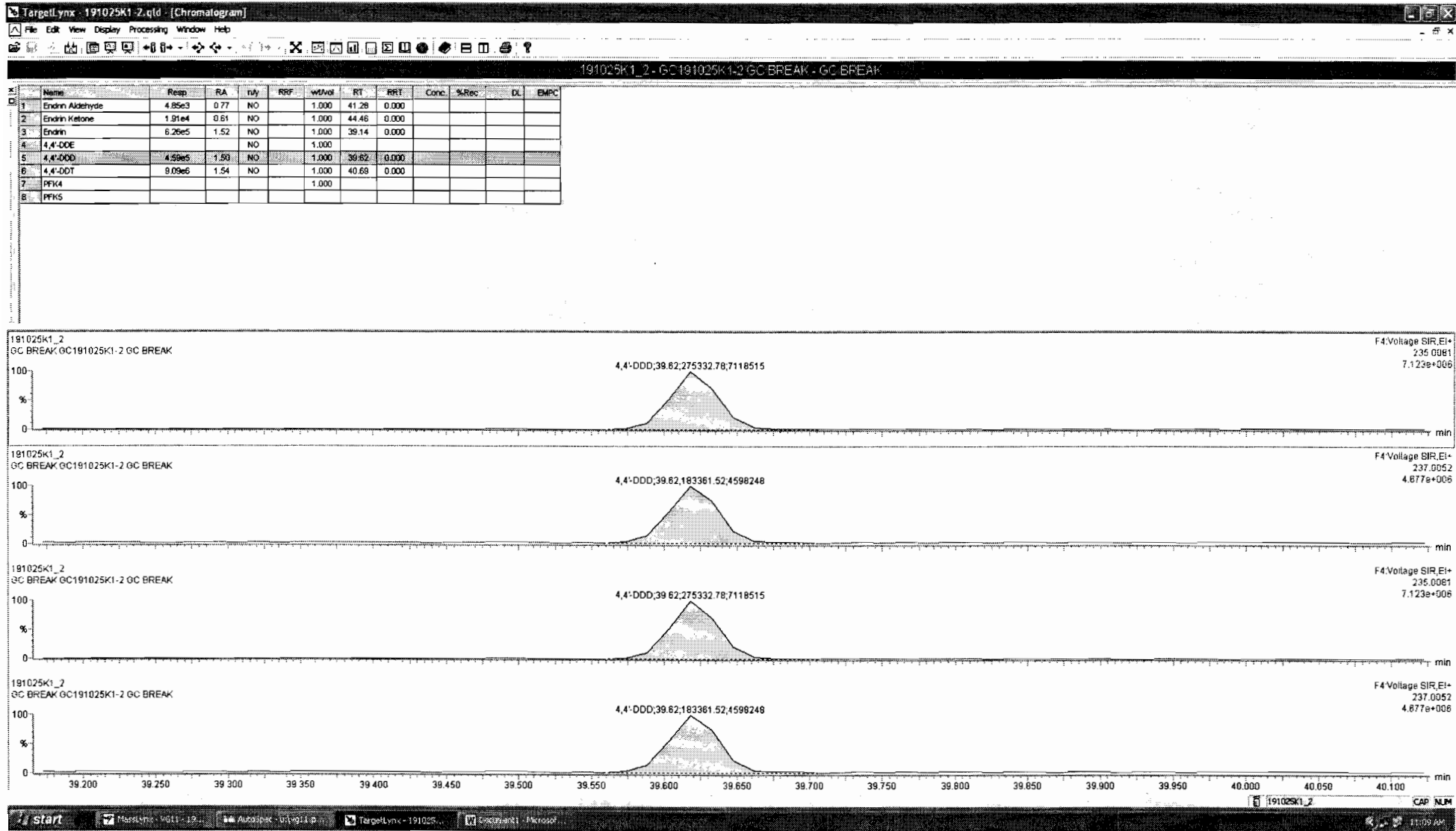
4,4'-DDD

191025K1_2



191025K1_2





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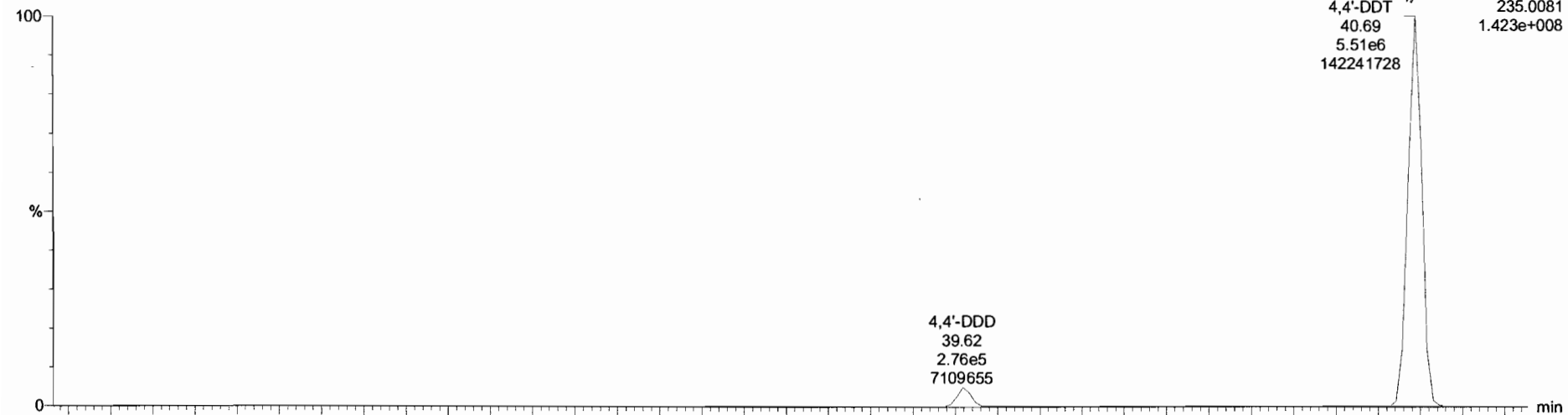
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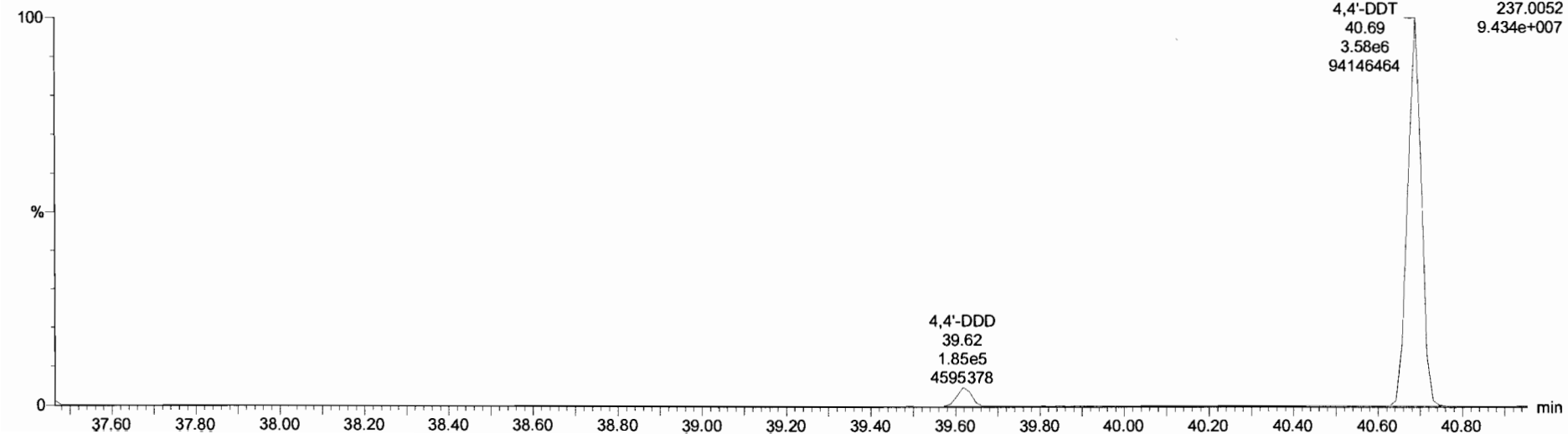
Name: 191025K1_2, Date: 25-Oct-2019, Time: 10:06:34, ID: GC191025K1-2 GC BREAK, Description: GC BREAK

4,4'-DDT

191025K1_2



191025K1_2



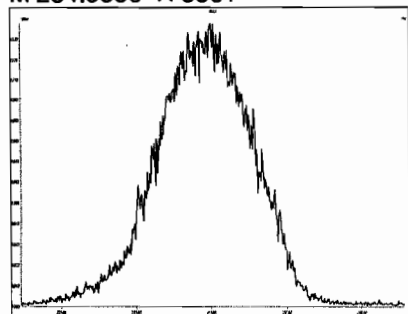
Experiment Calibration Report

MassLynx 4.1 SCN815

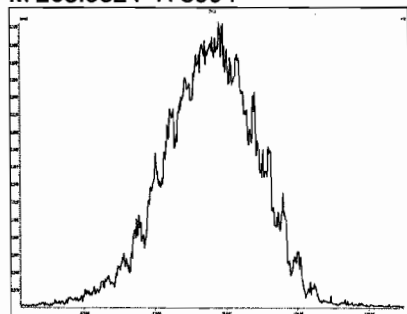
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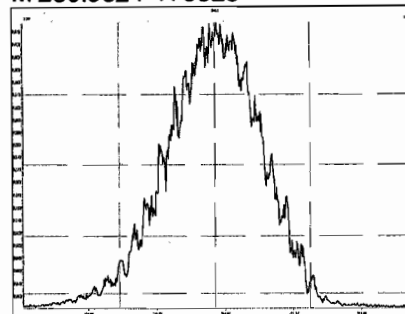
M 254.9856 R 8561



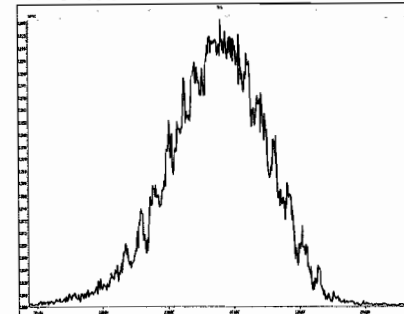
M 268.9824 R 8994



M 280.9824 R 9328



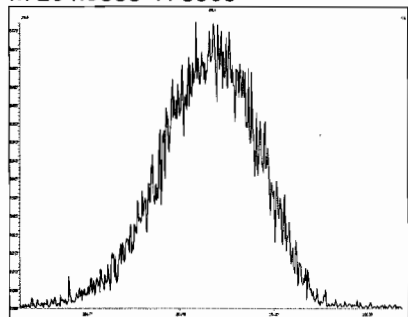
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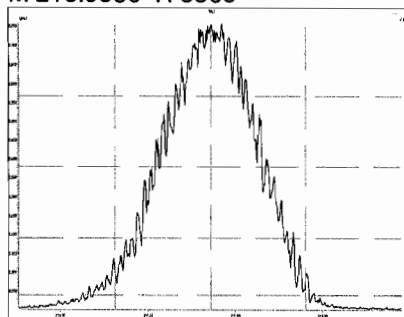
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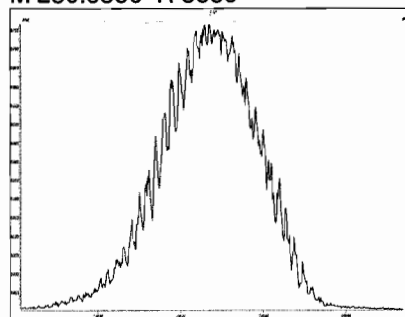
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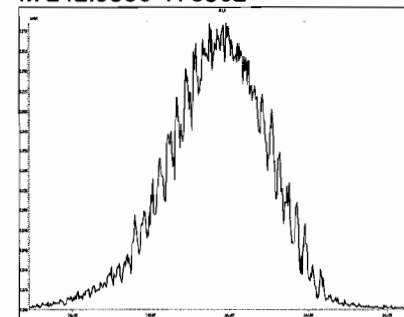
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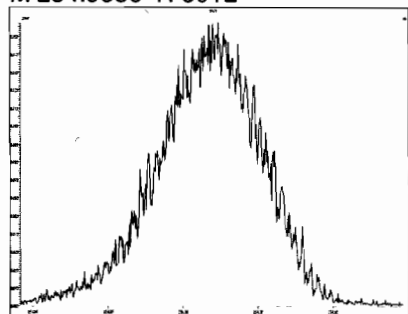
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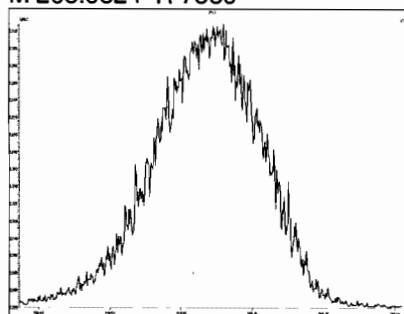
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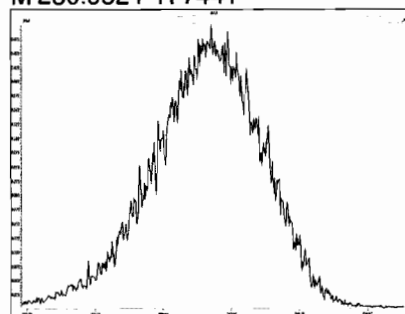
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M 268.9824 R 7889



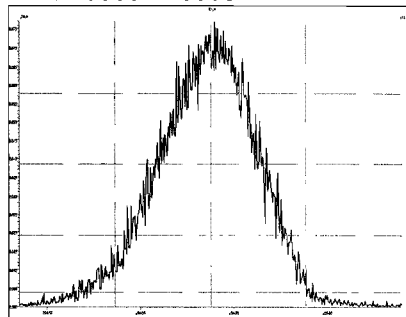
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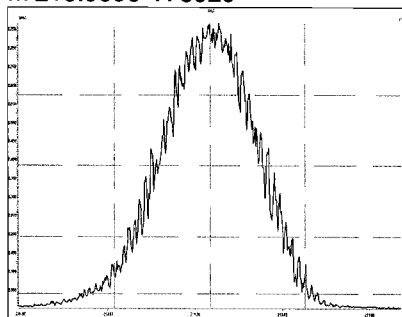
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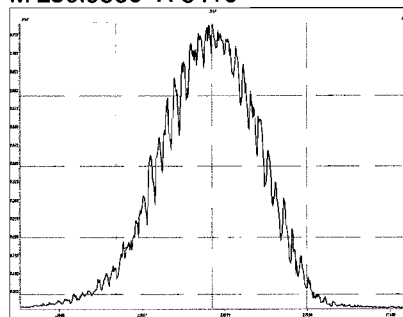
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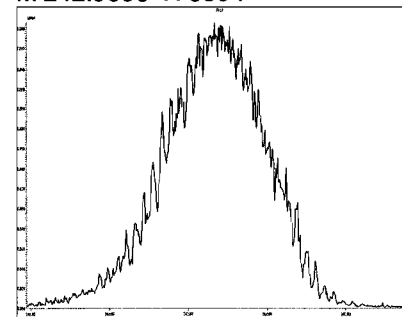
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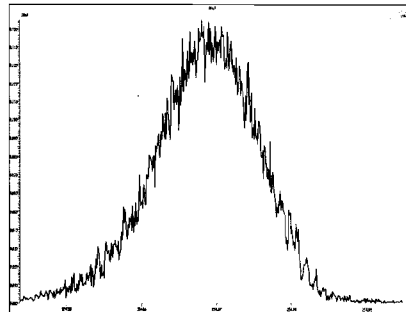
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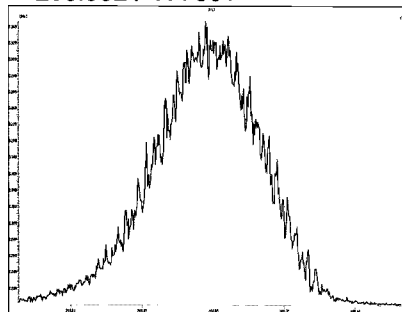
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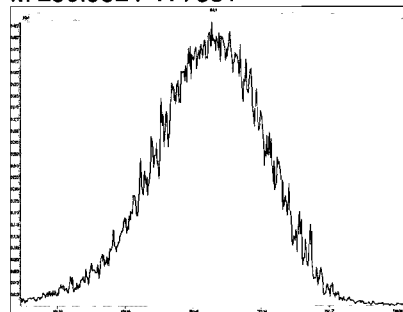
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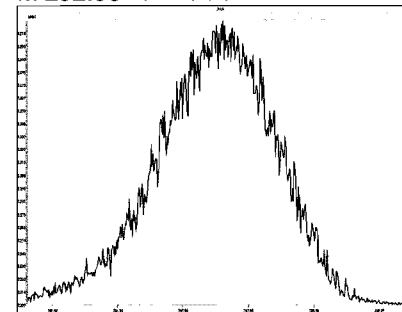
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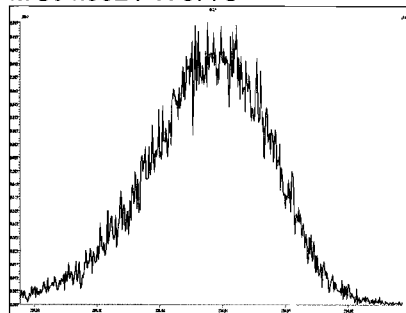
M 280.9824 R 7531



M 292.9824 R 7142



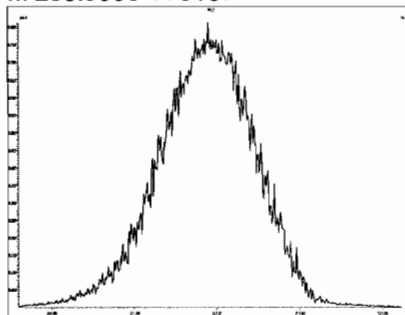
M 304.9824 R 6773



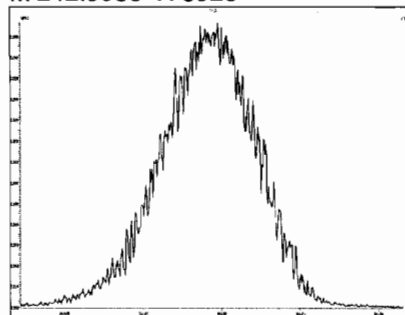
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, October 25, 2019 09:15:09 Pacific Daylight Time

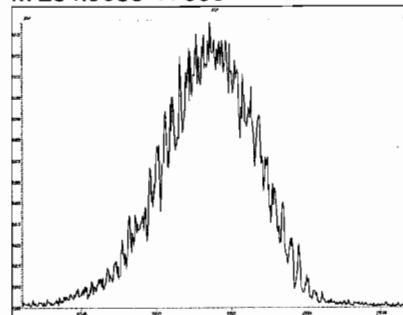
M 230.9856 R 9157



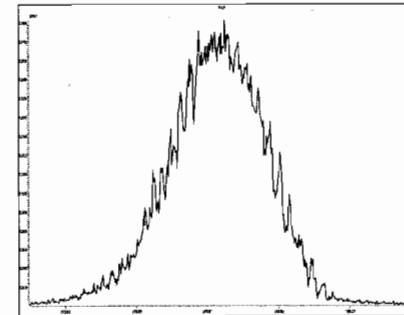
M 242.9856 R 8926



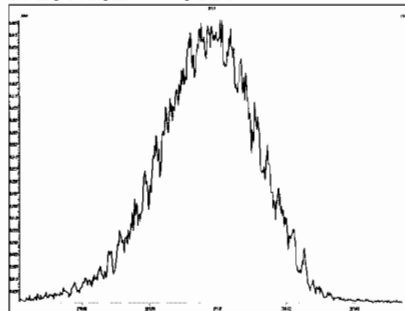
M 254.9856 R 8864



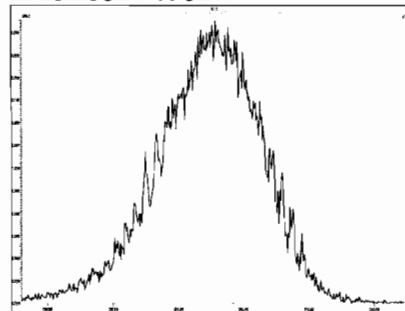
M 268.9824 R 8710



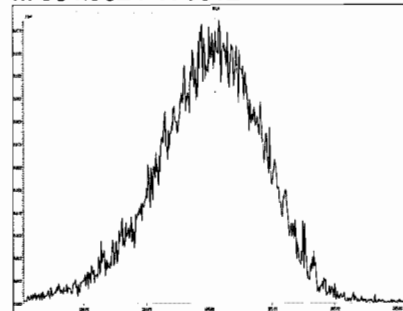
M 280.9824 R 8331



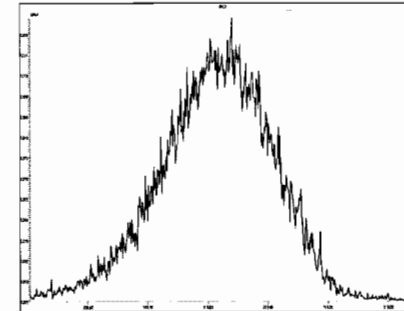
M 292.9824 R 8247



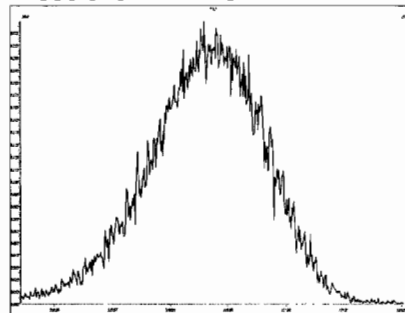
M 304.9824 R 8012



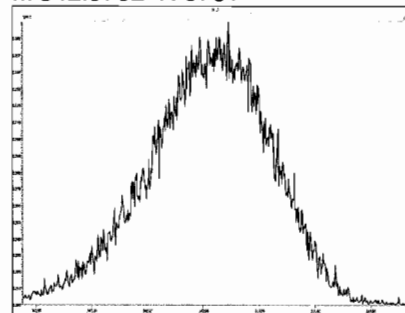
M 318.9792 R 7483



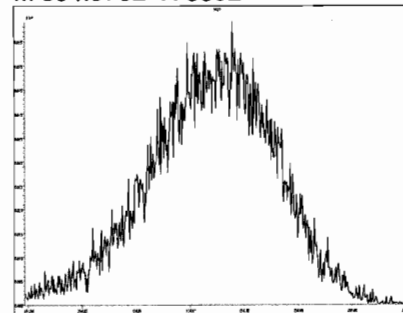
M 330.9792 R 7143



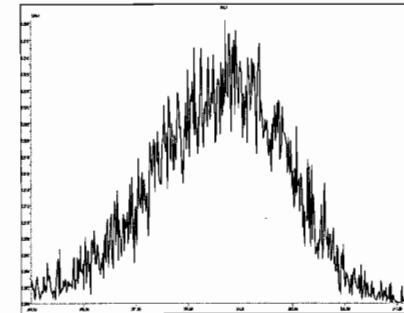
M 342.9792 R 6701



M 354.9792 R 6682



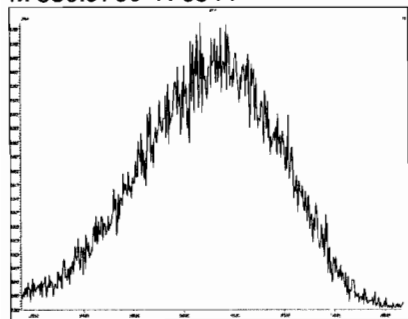
M 366.9792 R 7418



File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Friday, October 25, 2019 09:15:09 Pacific Daylight Time

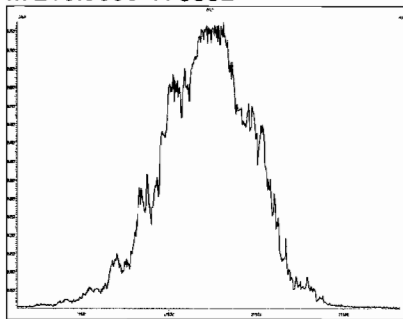
M 380.9760 R 6344



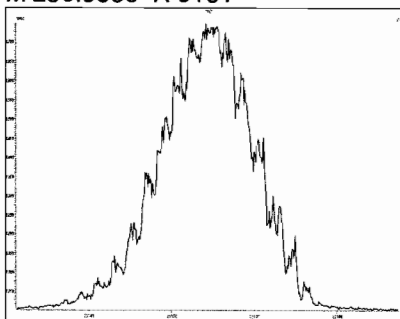
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Friday, October 25, 2019 09:16:05 Pacific Daylight Time

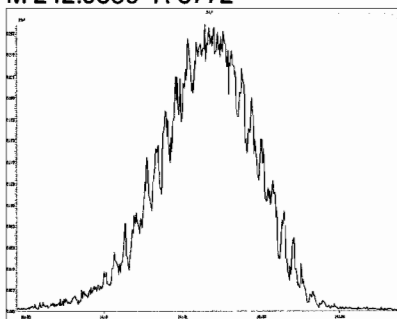
M 218.9856 R 8332



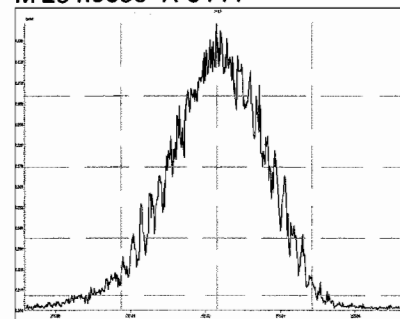
M 230.9856 R 9191



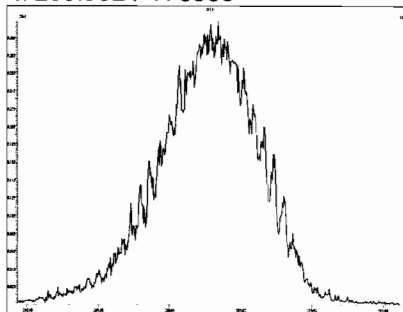
M 242.9856 R 8772



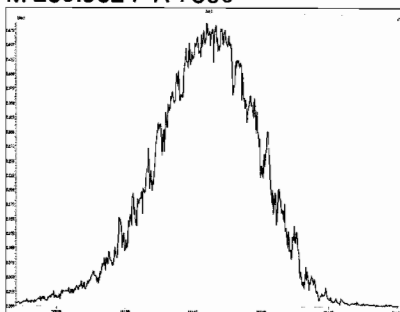
M 254.9856 R 8444



M 268.9824 R 8389



M 280.9824 R 7860



Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

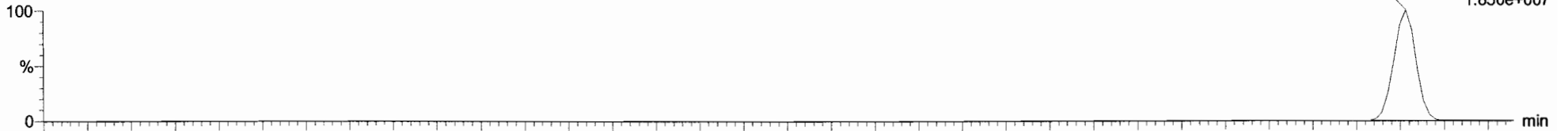
Method: U:\VG11.PRO\MethDB\1699rrt-10-23-19.mdb 24 Oct 2019 12:09:51
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Hexachlorobenzene

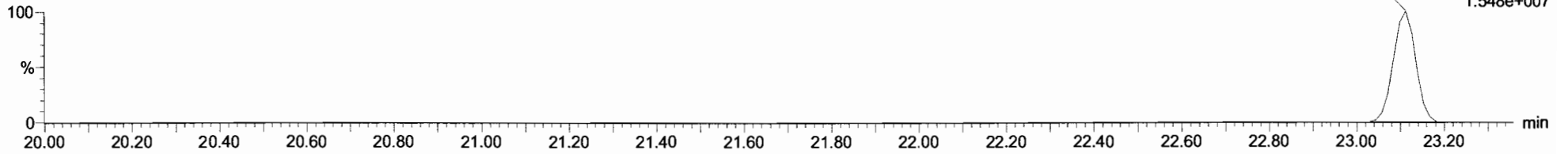
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

Hexachlorobenzene;23.11;1.07e6;18477898;bb;34213.00
F1:Voltage SIR,EI+
283.8102
1.850e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

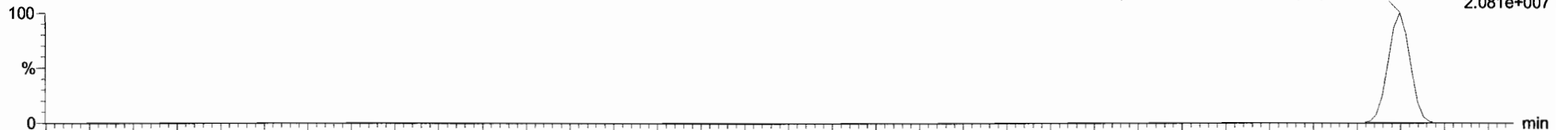
Hexachlorobenzene;23.11;9.06e5;15464781;bb;21788.55
F1:Voltage SIR,EI+
285.8072
1.548e+007



13C6-Hexachlorobenzene

191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

13C6-Hexachlorobenzene;23.10;1.20e6;20778446;bb;33417.41
F1:Voltage SIR,EI+
289.8303
2.081e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

13C6-Hexachlorobenzene;23.10;9.32e5;15999553;bb;23957.24
F1:Voltage SIR,EI+
291.8273
1.602e+007



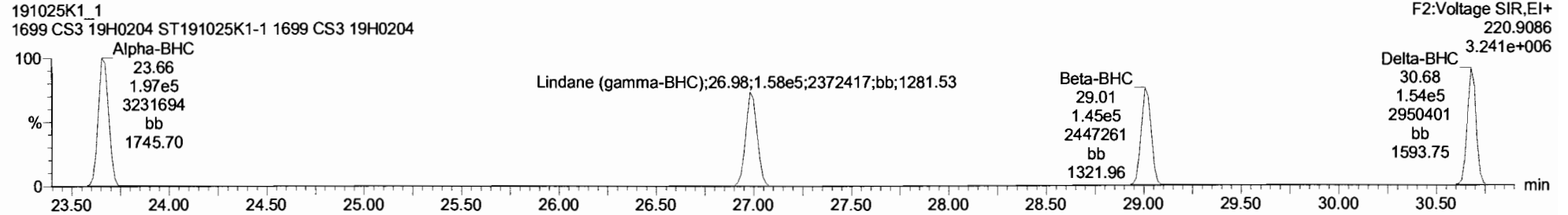
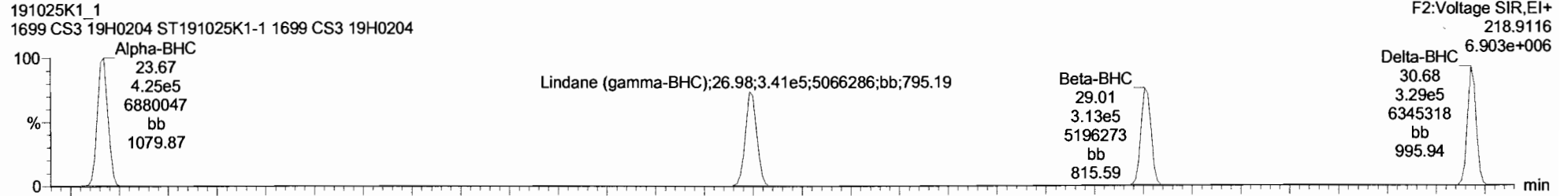
Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

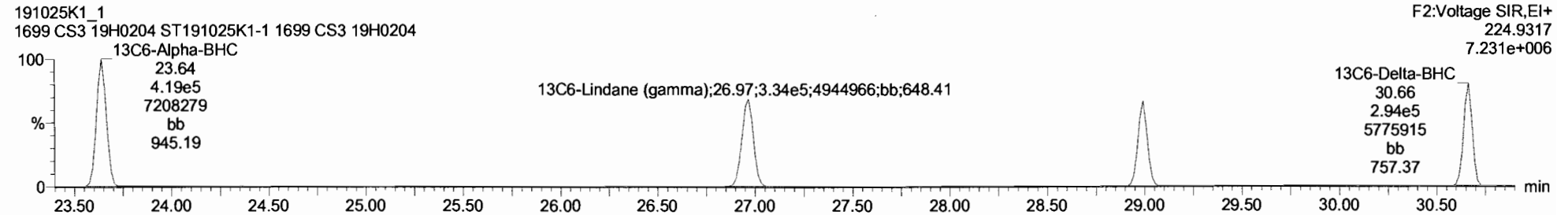
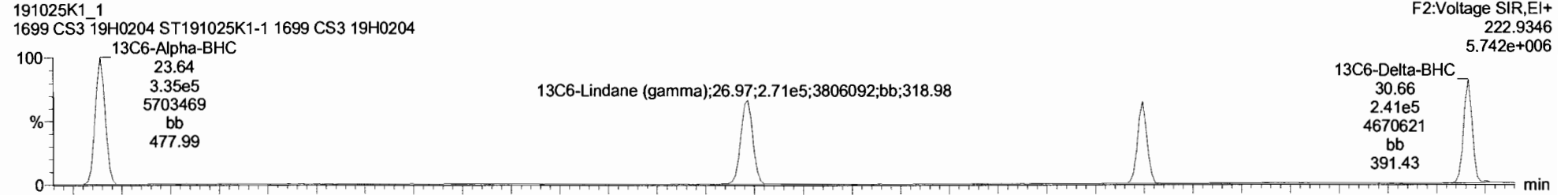
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

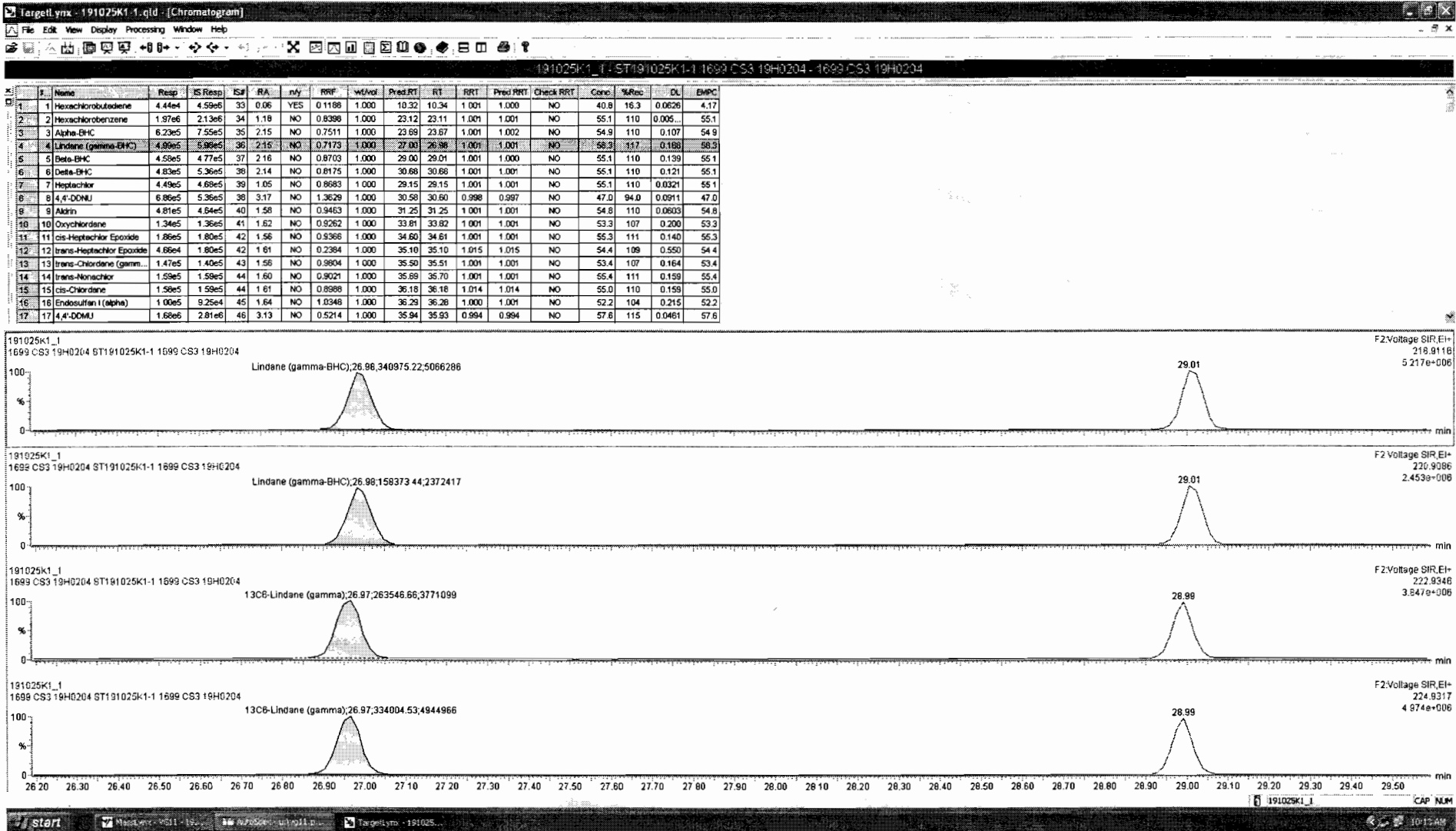
Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

BHC Totals



BHC-isotopes





Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

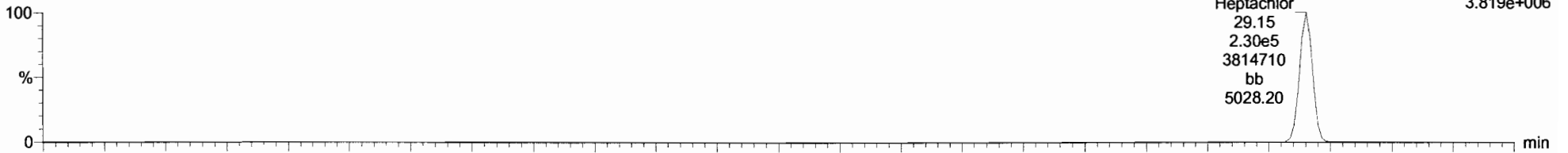
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Heptachlor

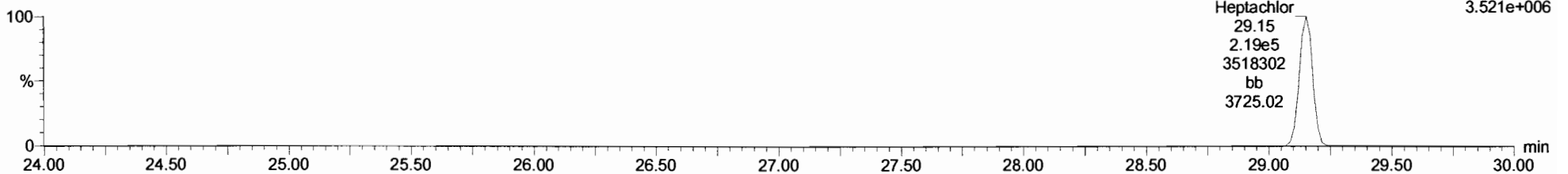
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
3.819e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

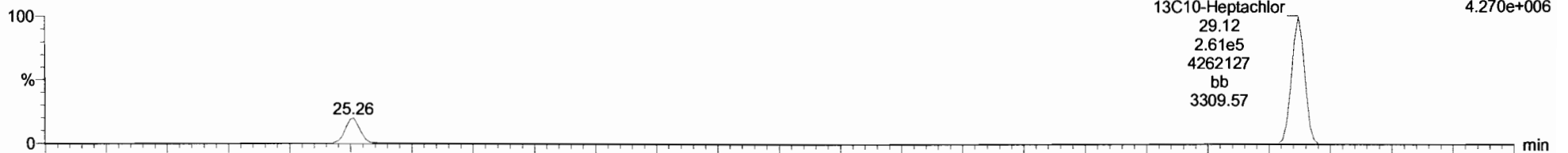
F2:Voltage SIR,EI+
273.8072
3.521e+006



13C10-Heptachlor

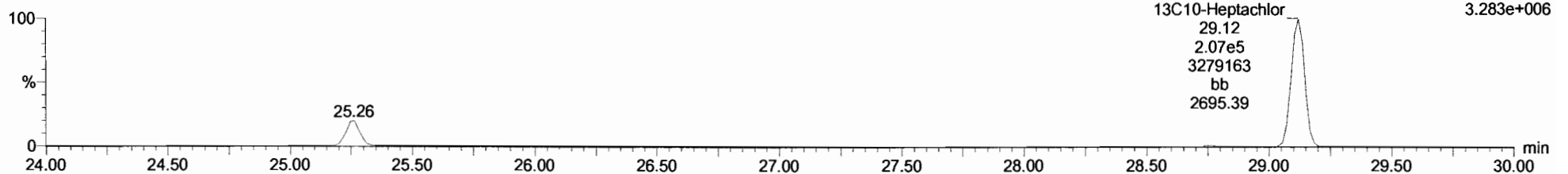
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
4.270e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
3.283e+006



Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

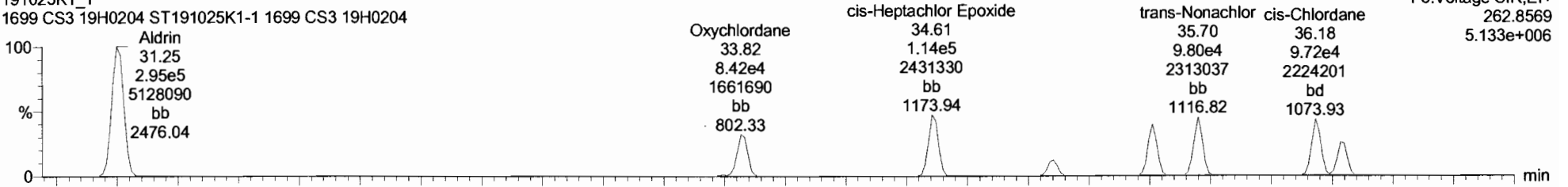
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Aldrin-EI

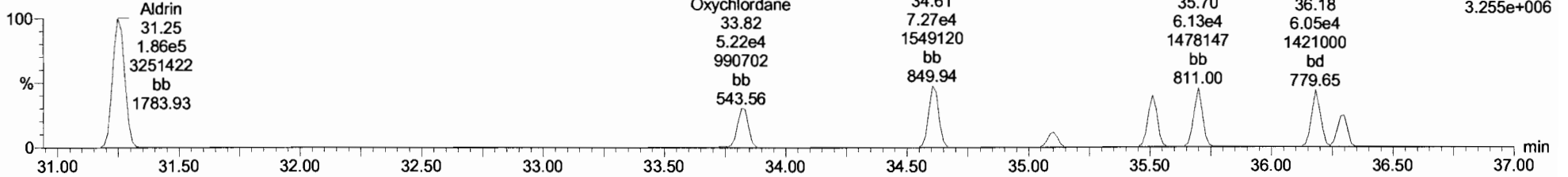
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
262.8569
5.133e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

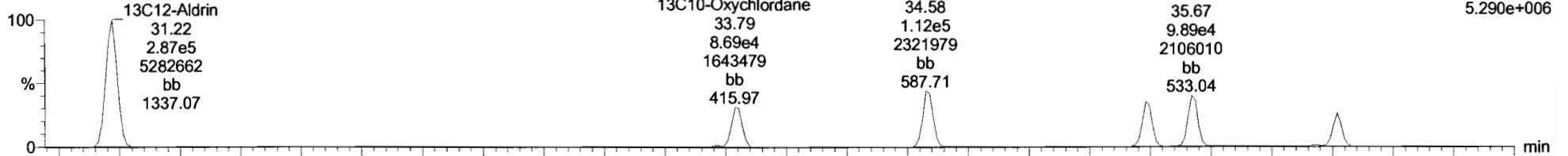
F3:Voltage SIR,EI+
264.8550
3.255e+006



Aldrin-EI-isotopes

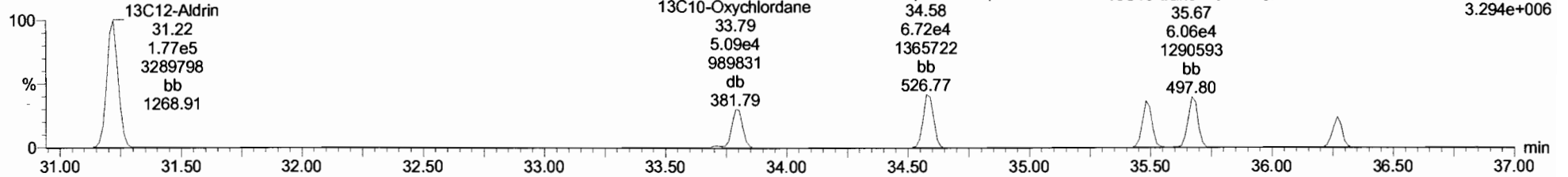
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

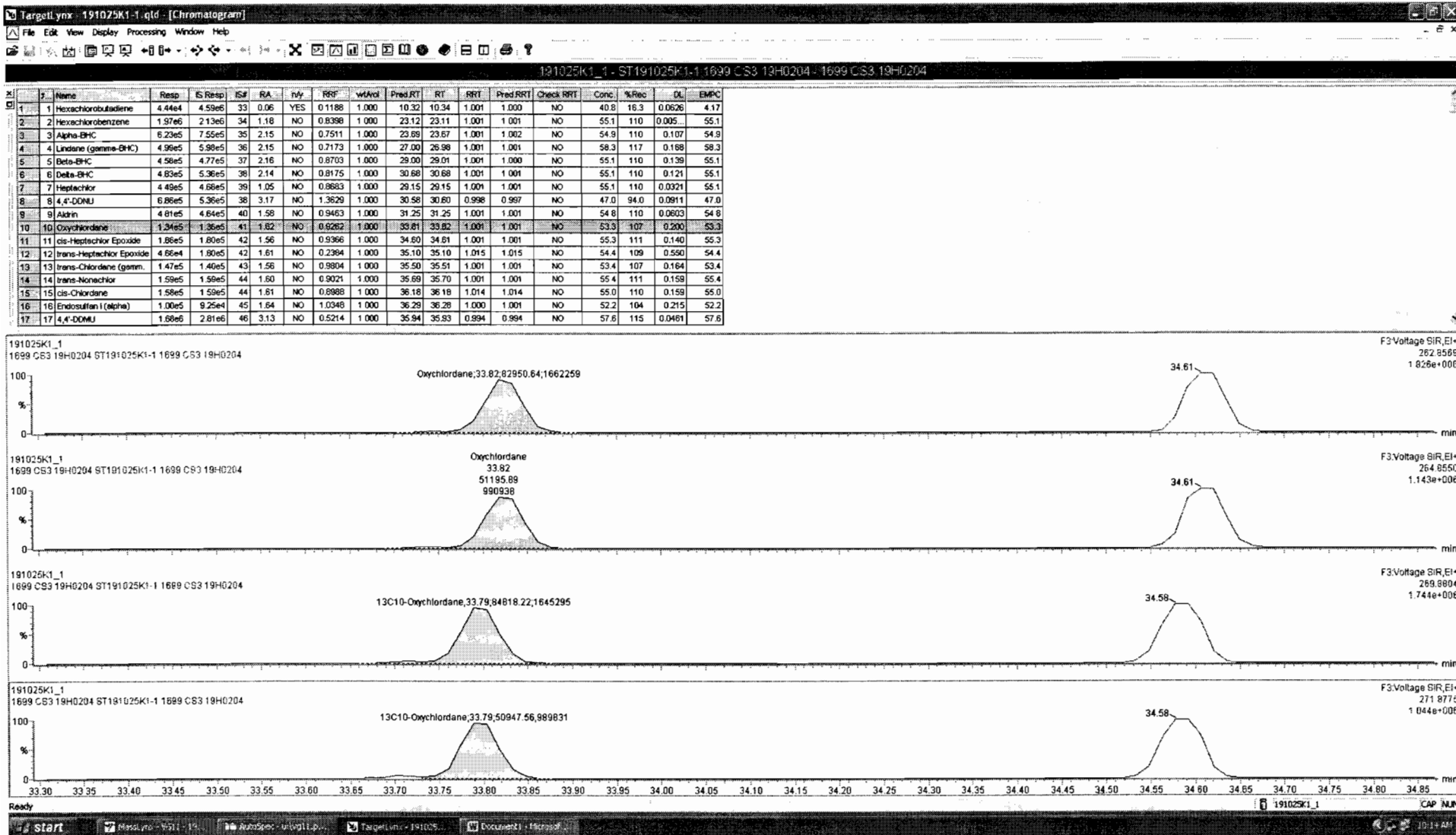
F3:Voltage SIR,EI+
269.8804
5.290e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
271.8775
3.294e+006





Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

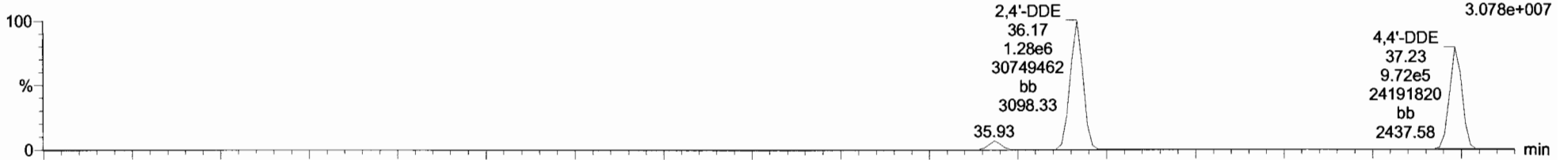
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDMU-DDE

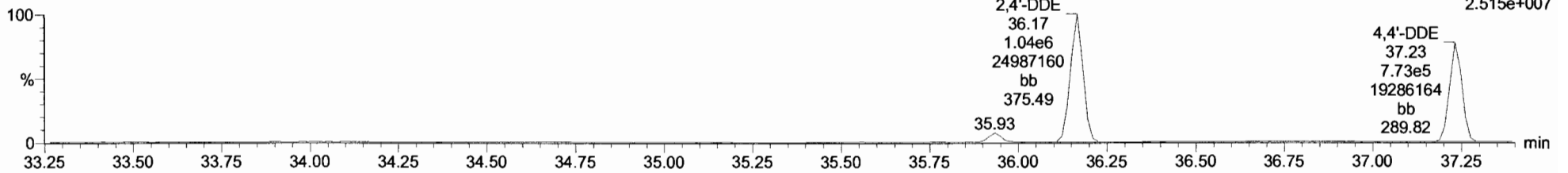
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
246.0003
3.078e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

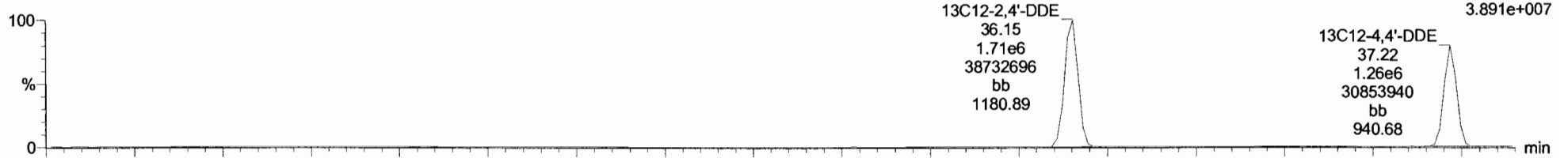
F3:Voltage SIR,EI+
247.9974
2.515e+007



DDE-isotopes

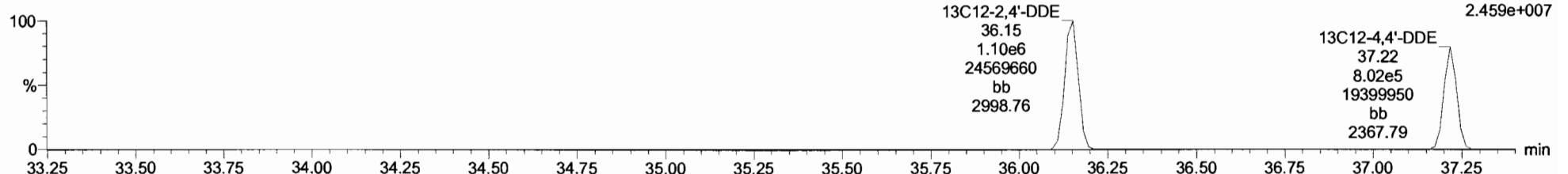
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
258.0406
3.891e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
260.0376
2.459e+007



Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

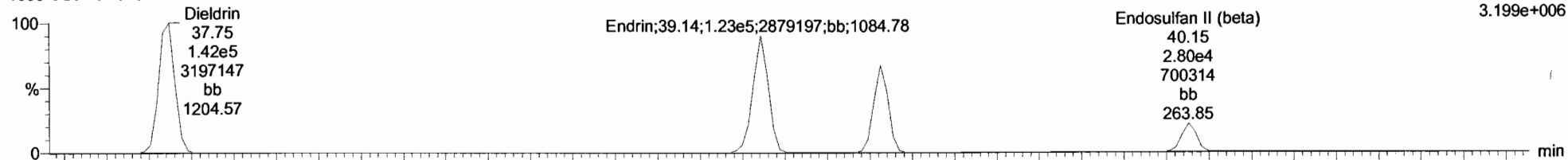
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-ElI

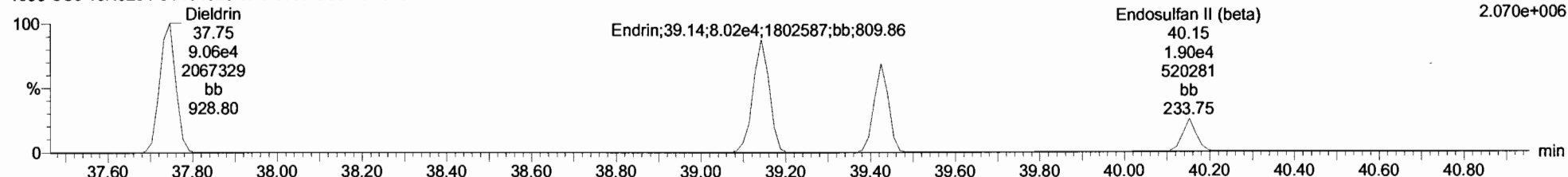
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
262.8569
3.199e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

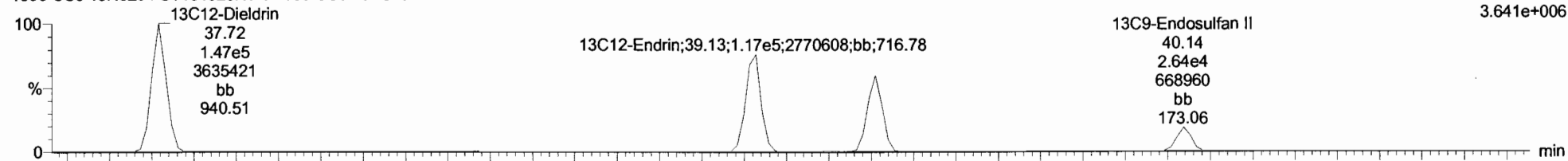
F4:Voltage SIR,EI+
264.8550
2.070e+006



Dieldrin-ElI-isotopes

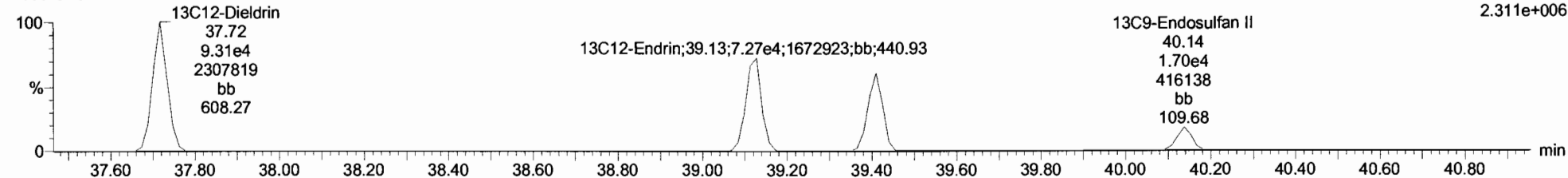
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
269.8804
3.641e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
271.8775
2.311e+006



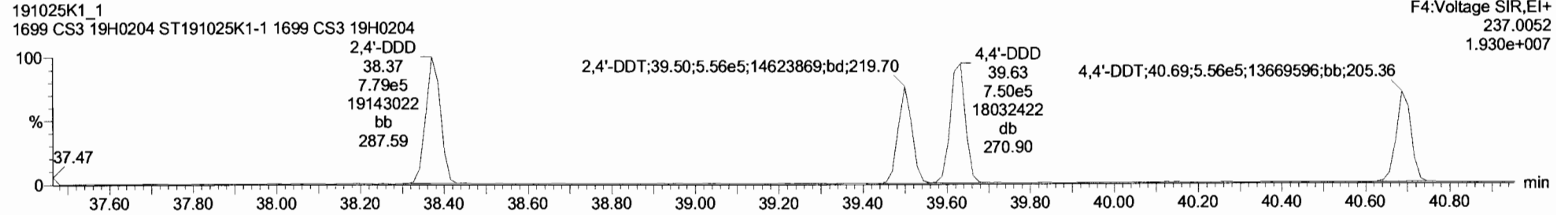
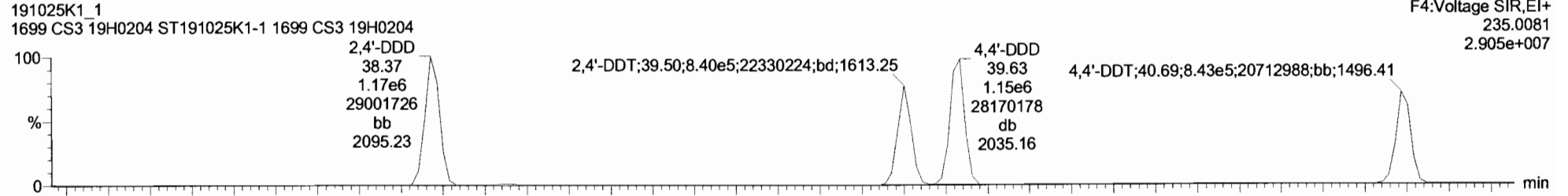
Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

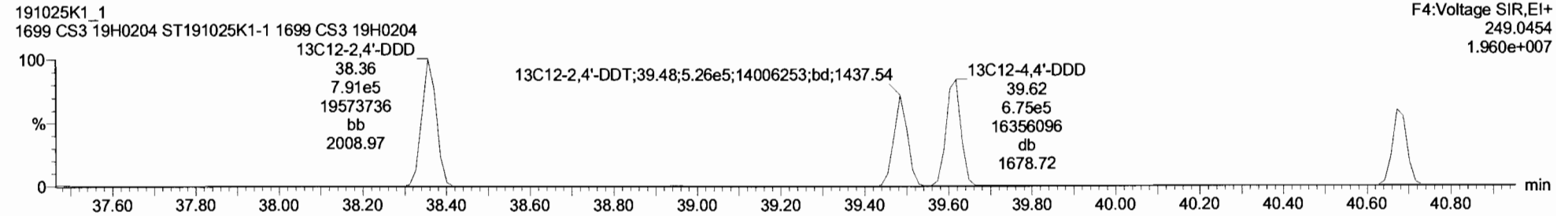
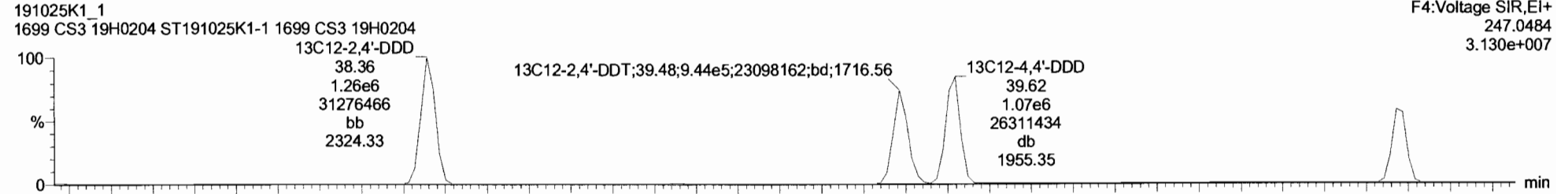
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

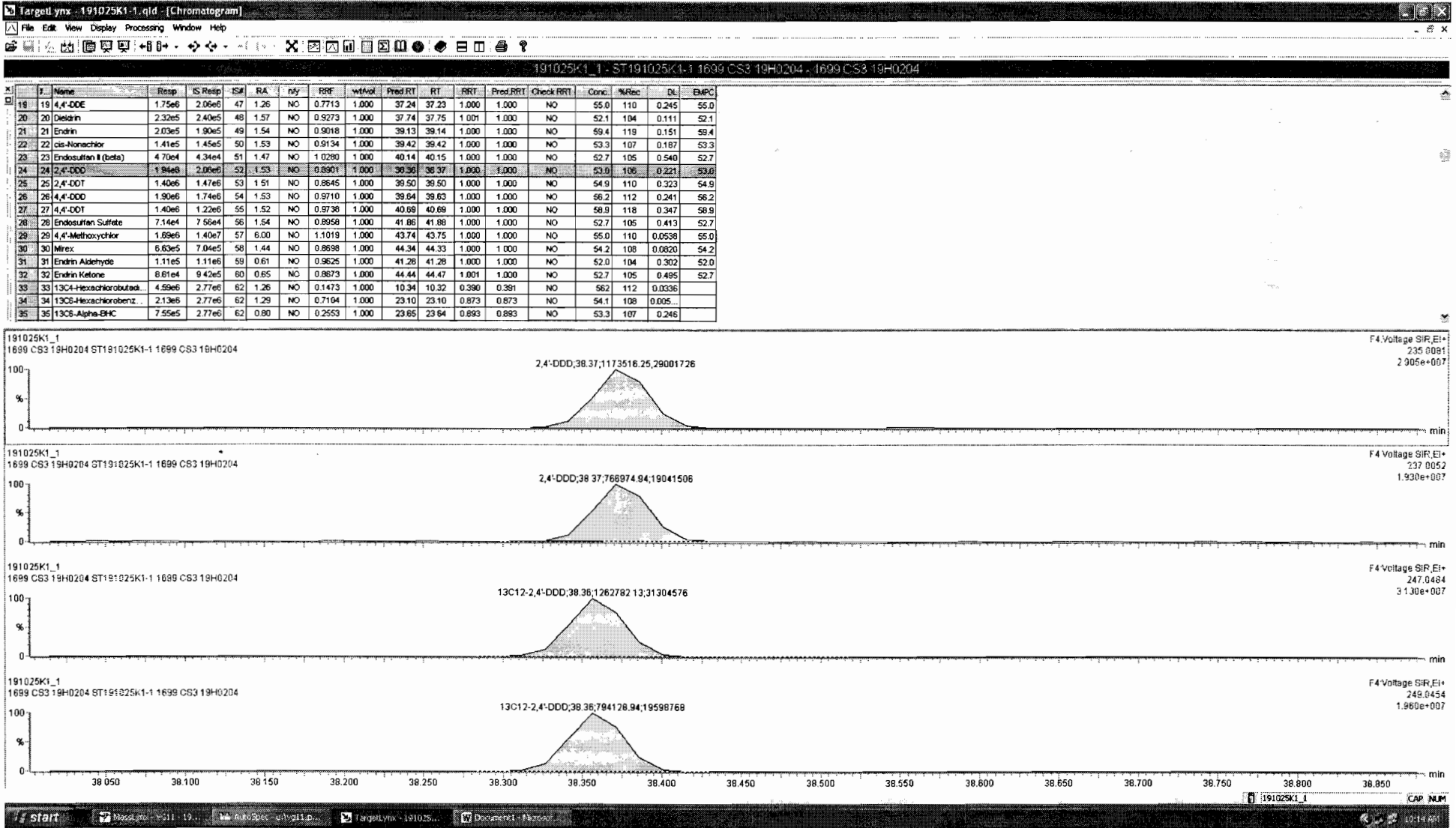
Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDD-DDT



DDD-DDT-isotopes





Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

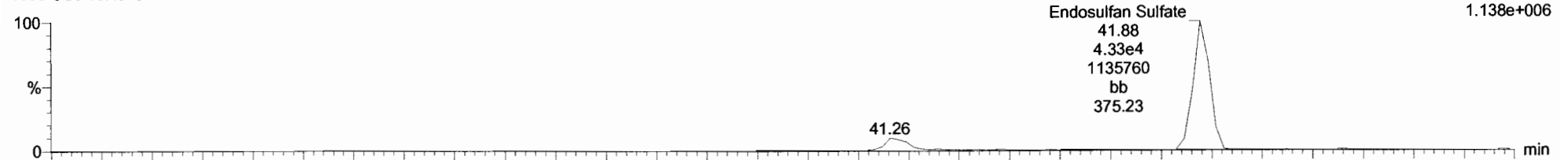
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

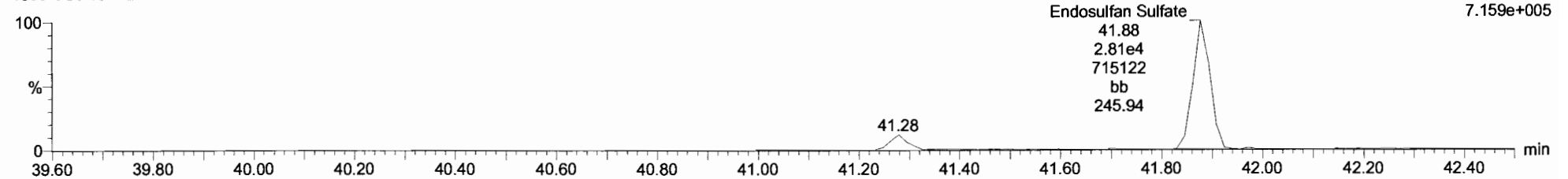
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
1.138e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

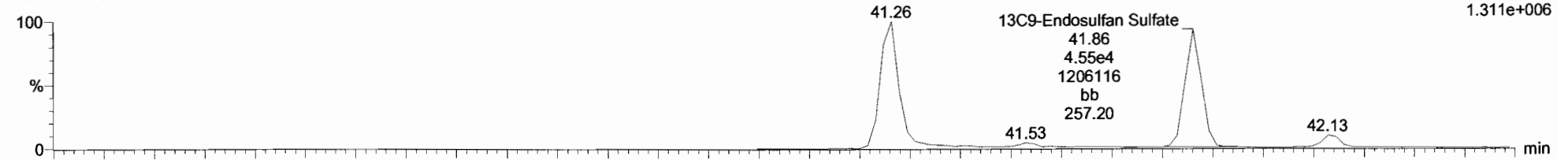
F5:Voltage SIR,EI+
264.8540
7.159e+005



13C9-Endosulfan Sulfate

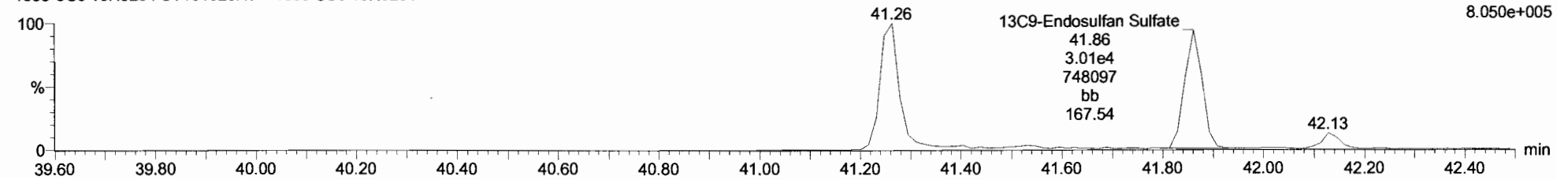
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
269.8804
1.311e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
8.050e+005



Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

Name: 191025K1_1, Date: 25-Oct-2019, Time: 09:18:50, ID: ST191025K1-1 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

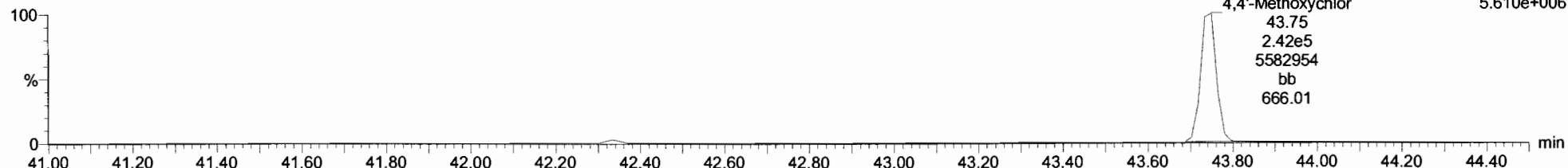
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
3.448e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

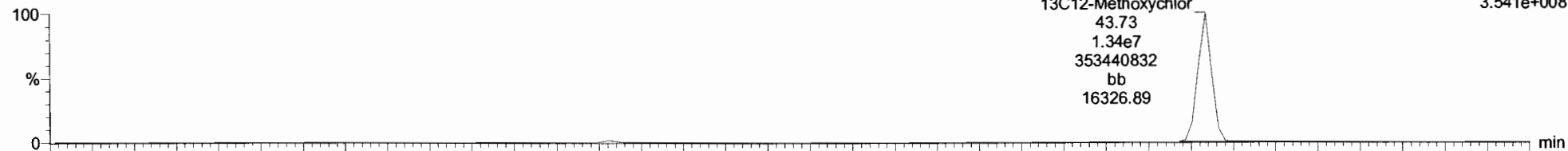
F5:Voltage SIR,EI+
228.1106
5.610e+006



13C12-Methoxychlor

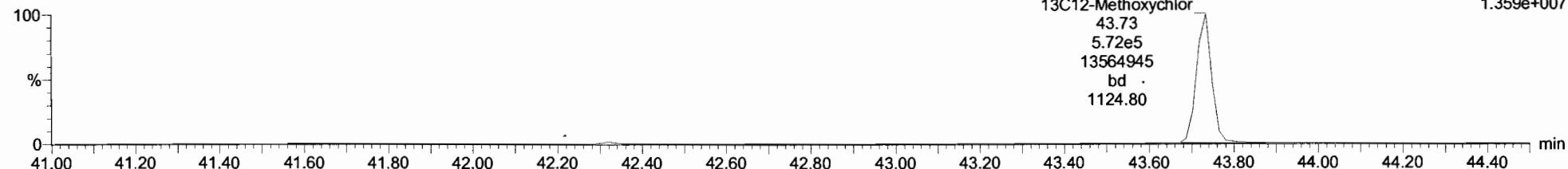
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

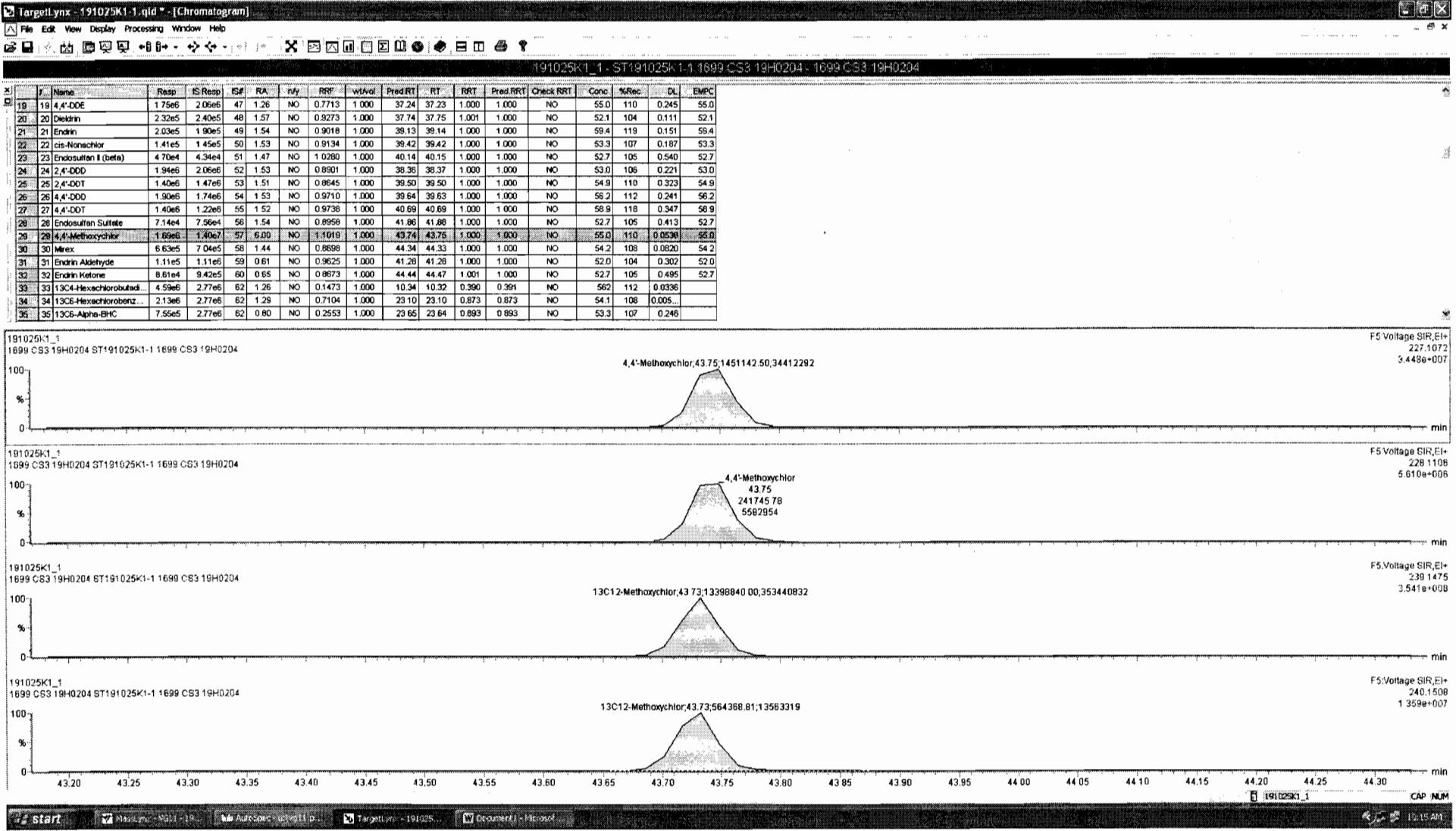
F5:Voltage SIR,EI+
239.1475
3.541e+008



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
1.359e+007





Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

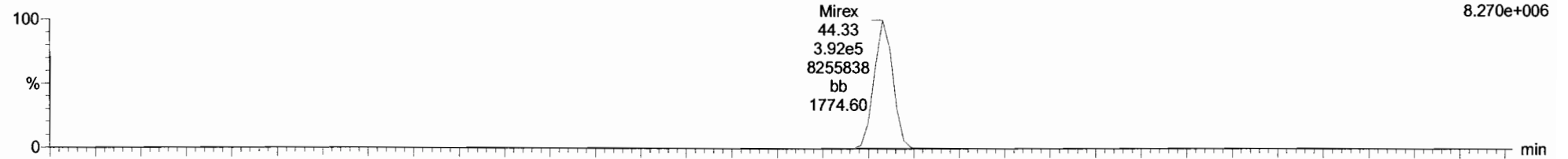
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

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Mirex

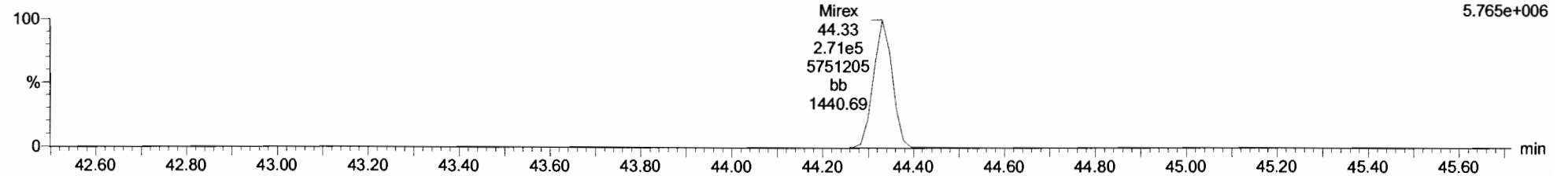
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
8.270e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

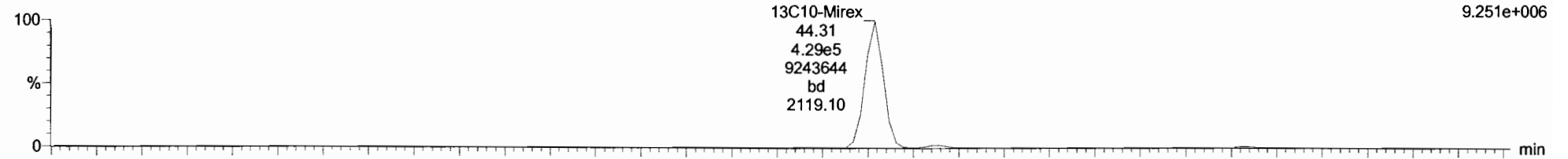
F5:Voltage SIR,EI+
238.8384
5.765e+006



13C10-Mirex

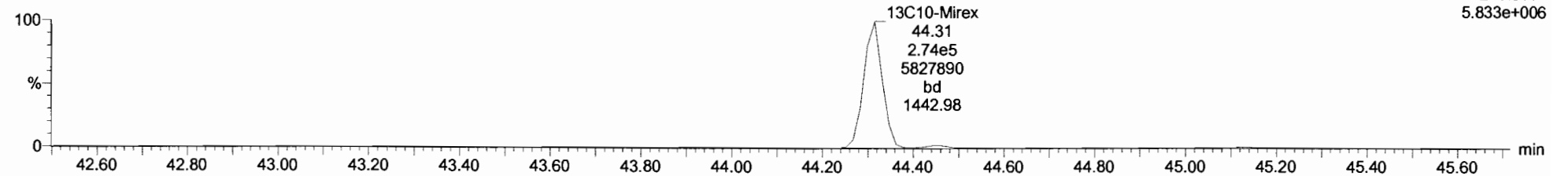
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
9.251e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
5.833e+006



Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

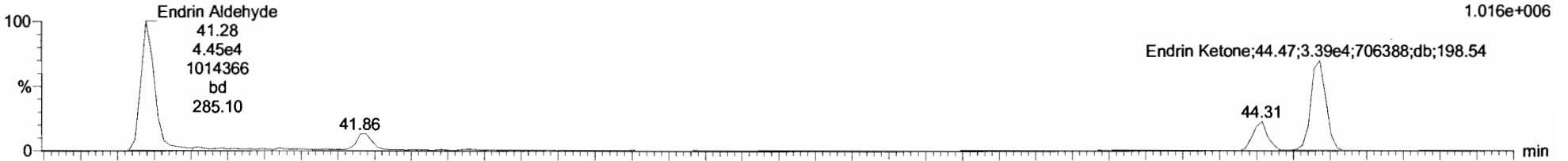
Printed: Friday, October 25, 2019 10:18:43 Pacific Daylight Time

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EA-EK

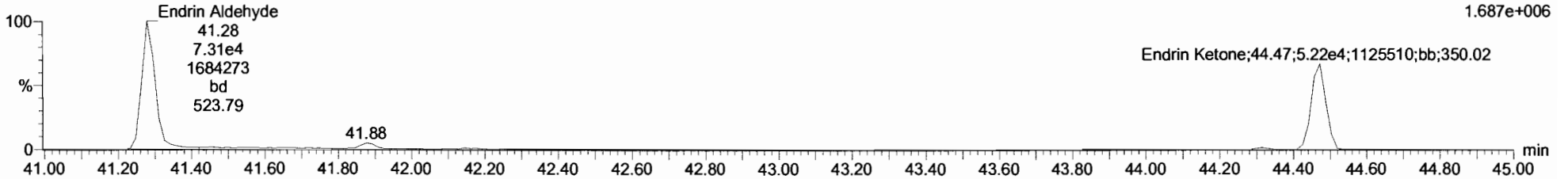
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
247.8521
1.016e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

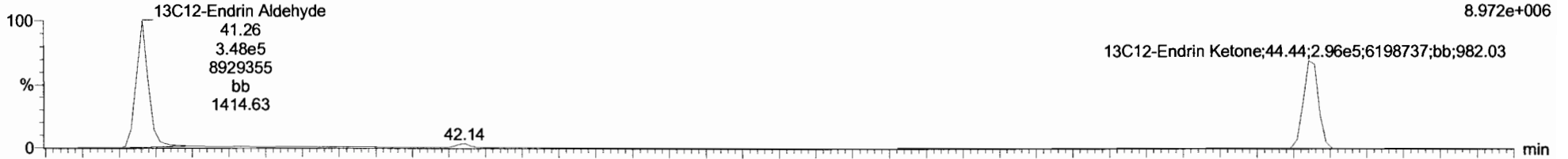
F5:Voltage SIR,EI+
249.8491
1.687e+006



EA-EK-isotopes

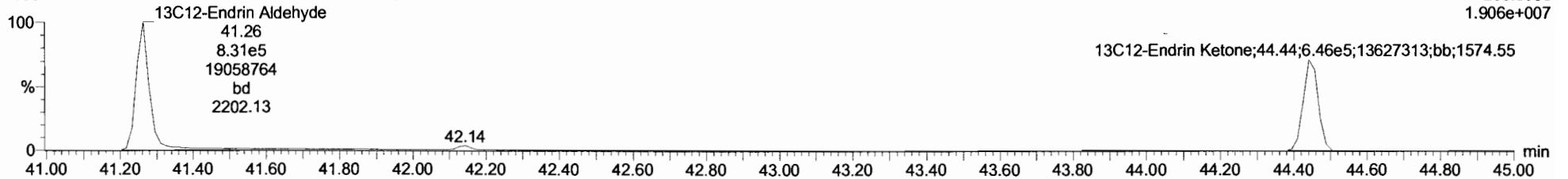
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

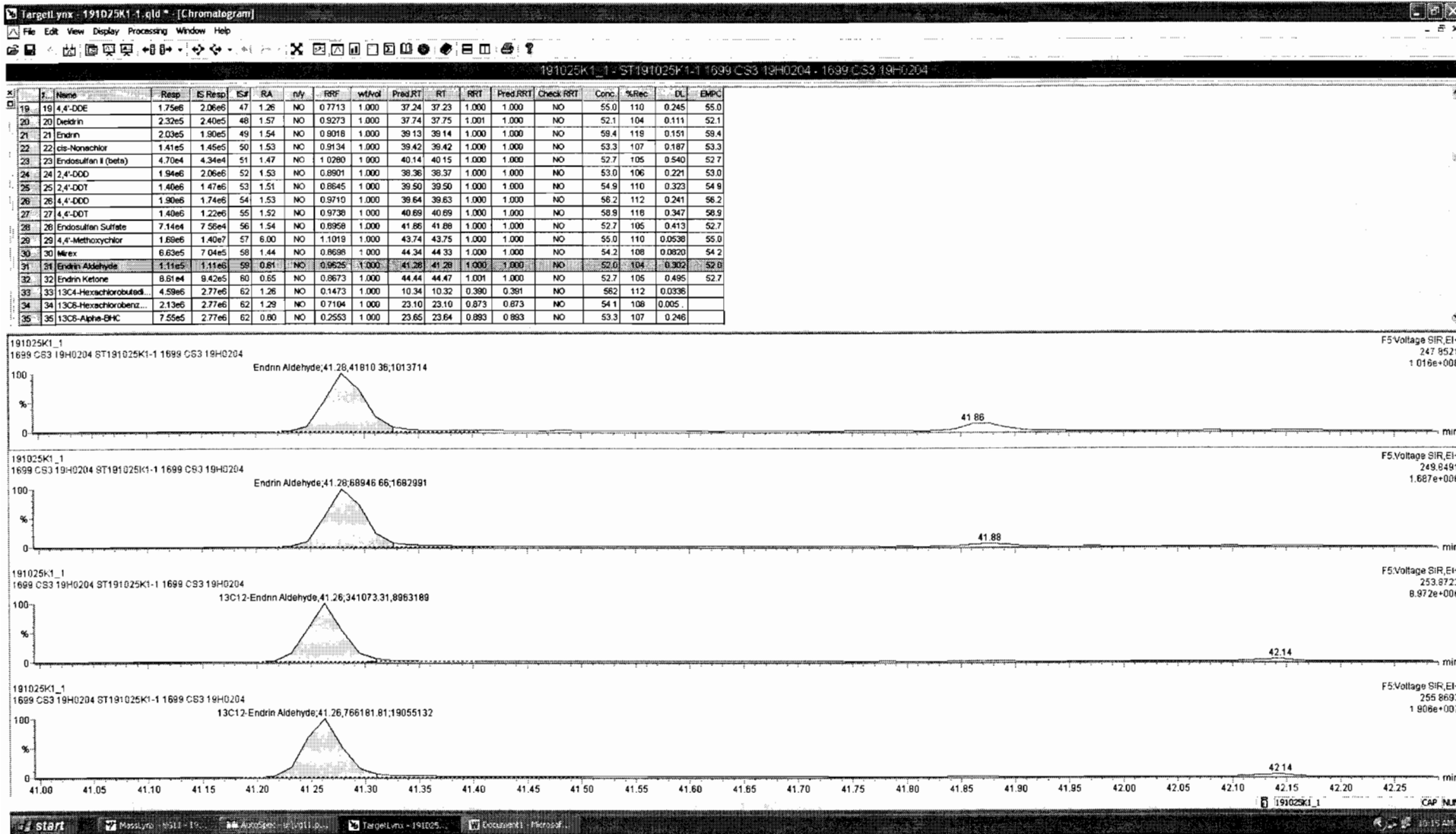
F5:Voltage SIR,EI+
253.8722
8.972e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
1.906e+007





Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

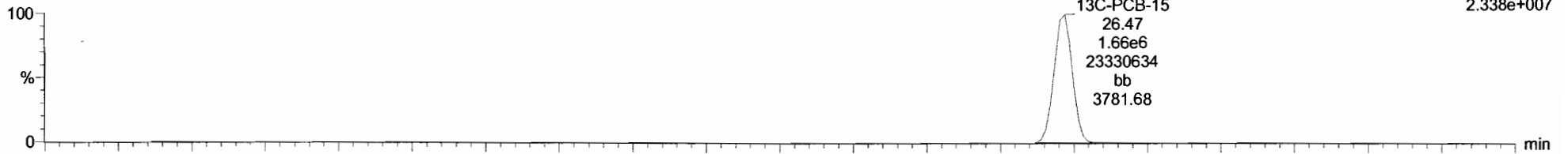
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13C-PCB-15

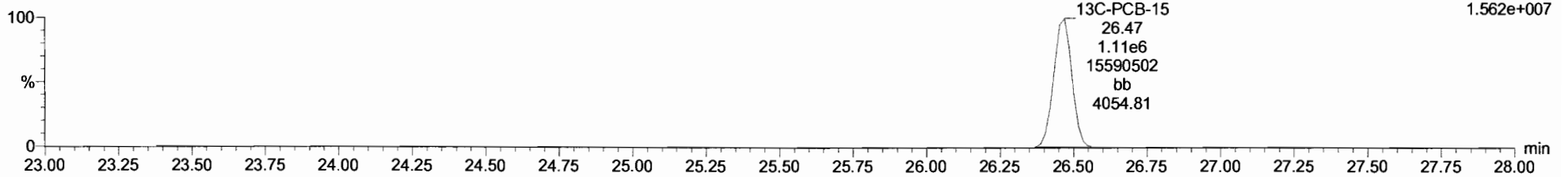
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
2.338e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

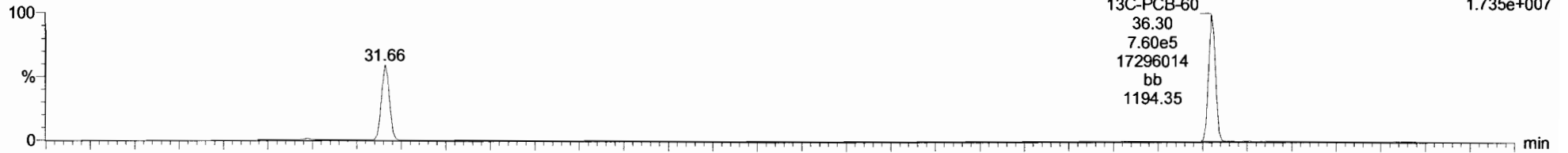
F2:Voltage SIR,EI+
236.0376
1.562e+007



13C-PCB-60

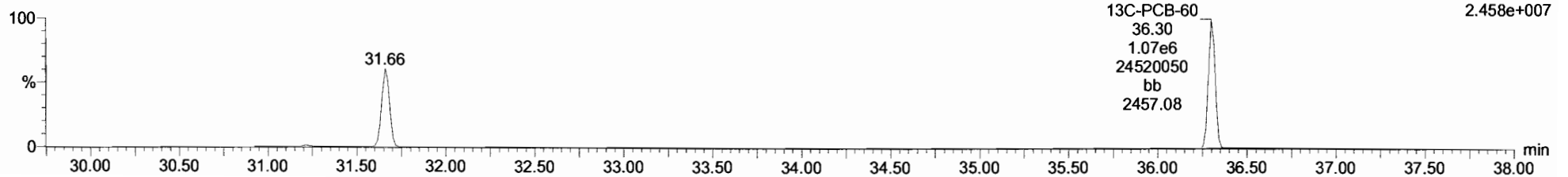
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
1.735e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
2.458e+007



Dataset: Untitled

Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

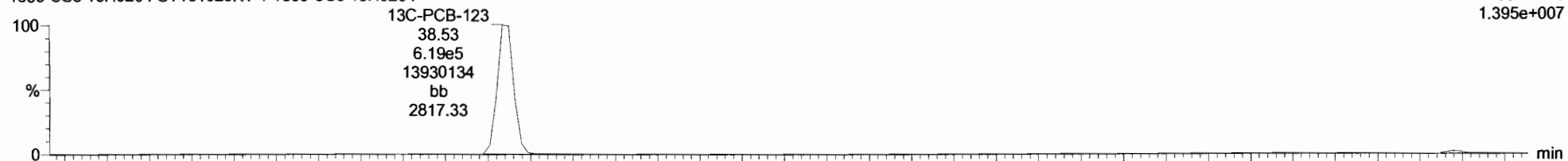
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13C-PCB-123

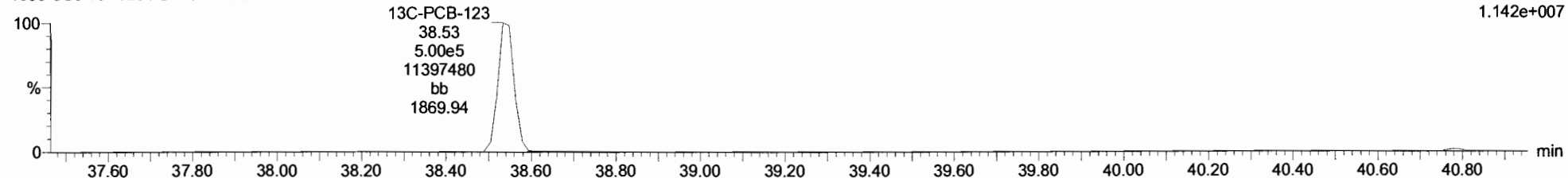
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
337.9210
1.395e+007



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

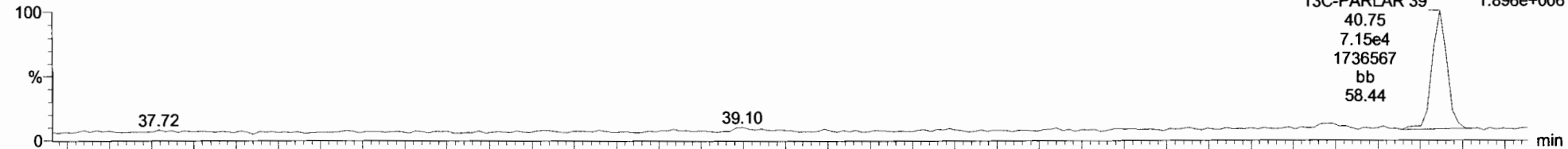
F4:Voltage SIR,EI+
339.9180
1.142e+007



13C-PARLAR 39

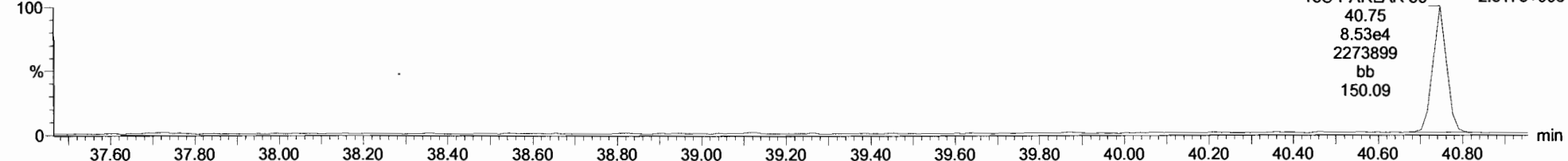
191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
251.9648
1.896e+006



191025K1_1
1699 CS3 19H0204 ST191025K1-1 1699 CS3 19H0204

F4:Voltage SIR,EI+
253.9619
2.317e+006



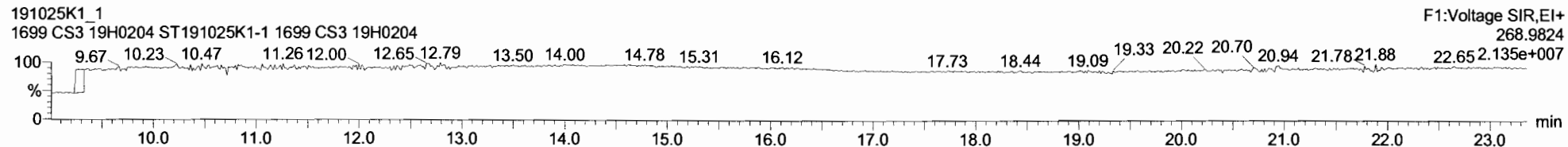
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Last Altered: Friday, October 25, 2019 10:16:31 Pacific Daylight Time

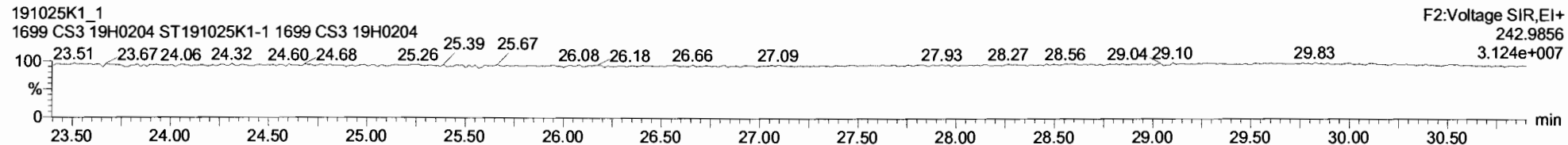
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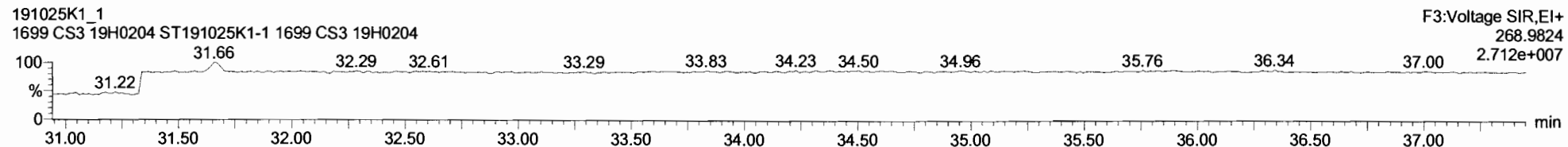
PFK1



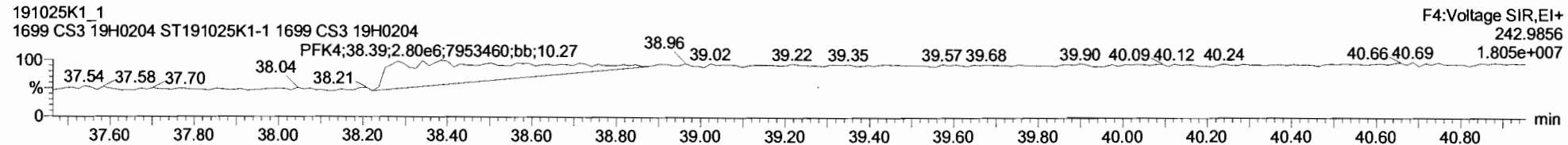
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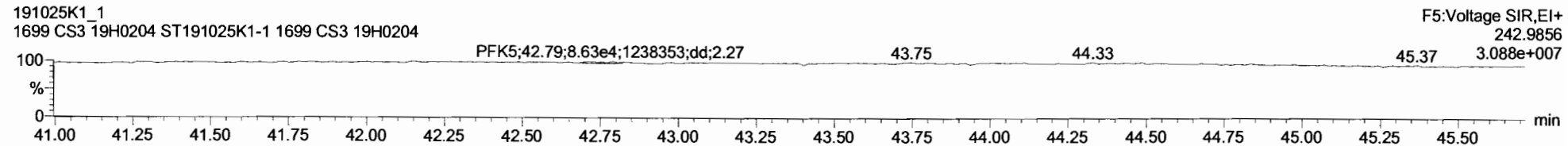
PFK3

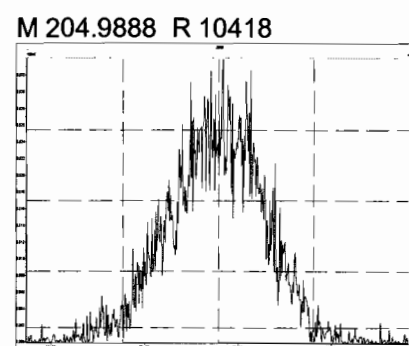
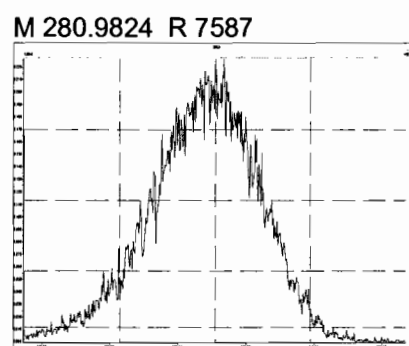
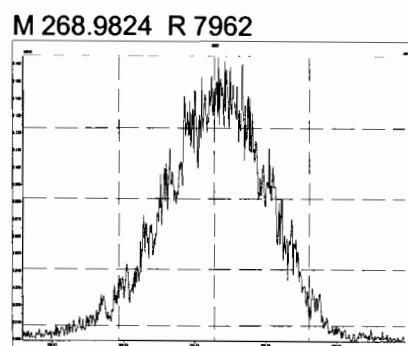
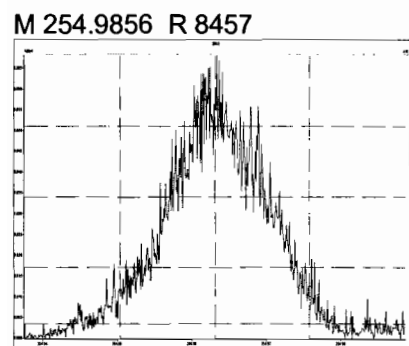
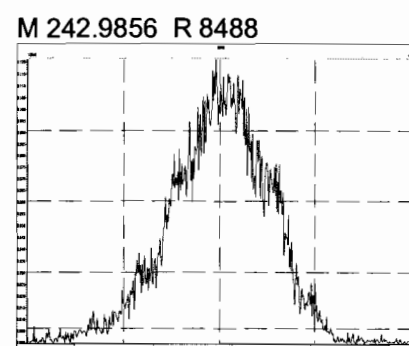
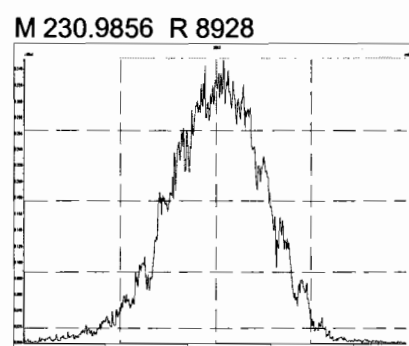
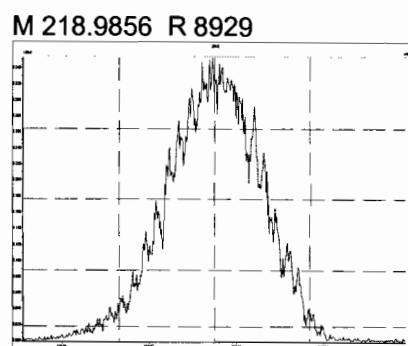
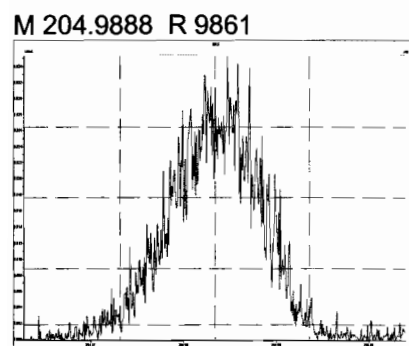
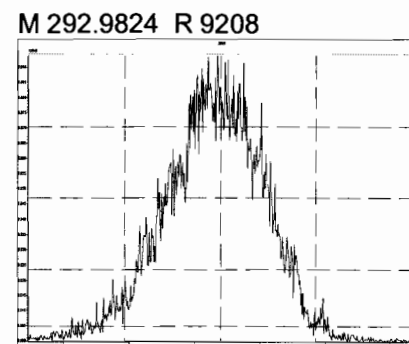
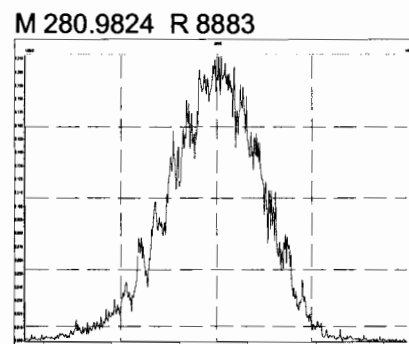
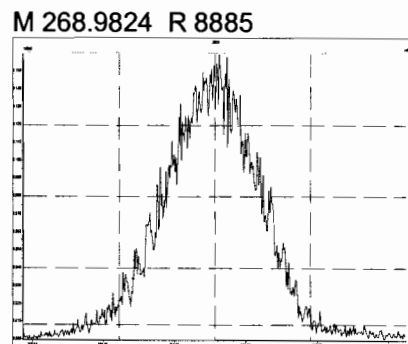
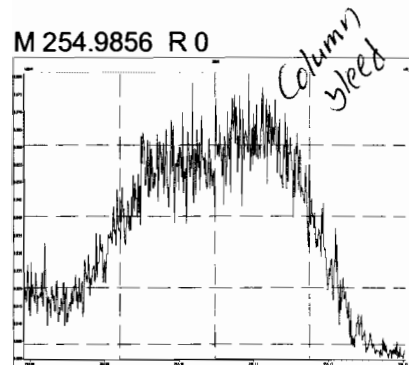


PFK4

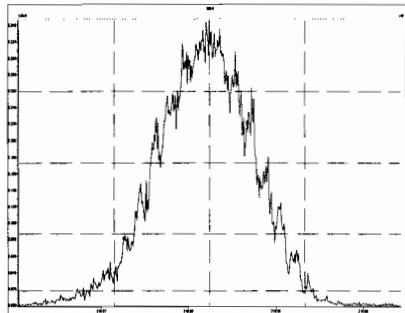


PFK5

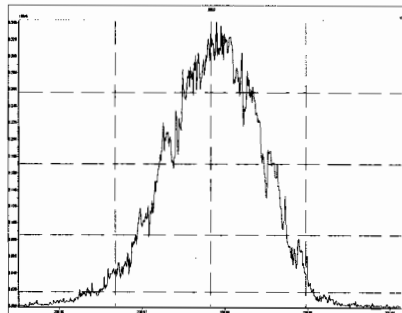




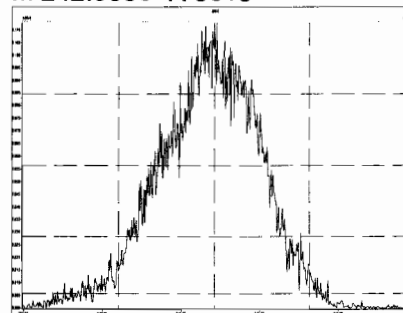
M 218.9856 R 8944



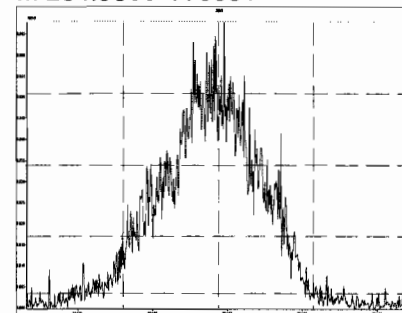
M 230.9856 R 9060



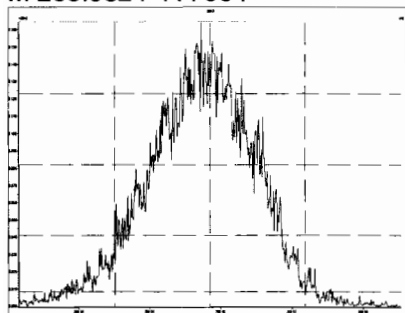
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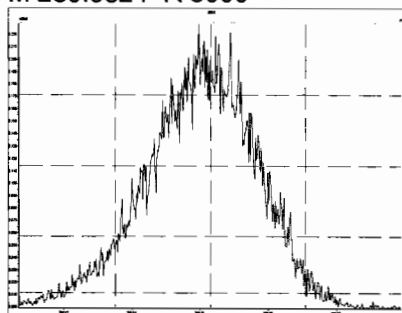
M 254.9856 R 8881



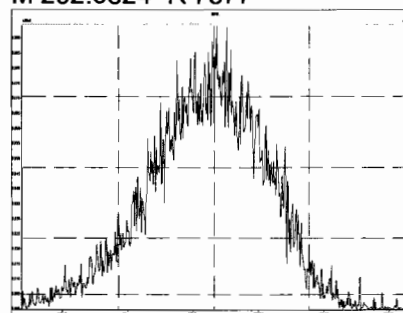
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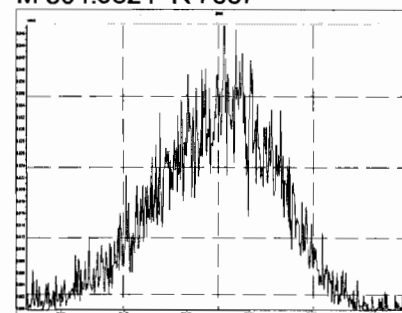
M 280.9824 R 8000



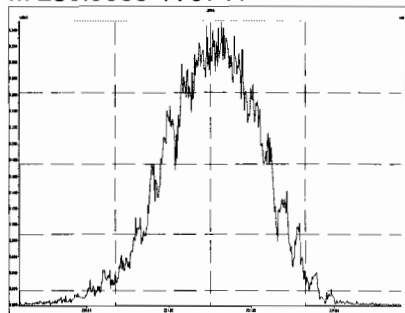
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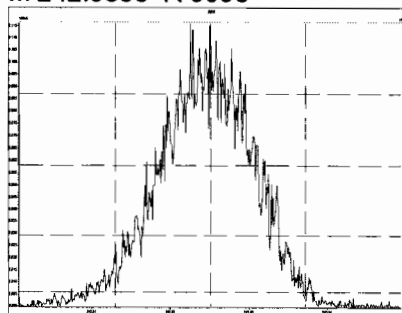
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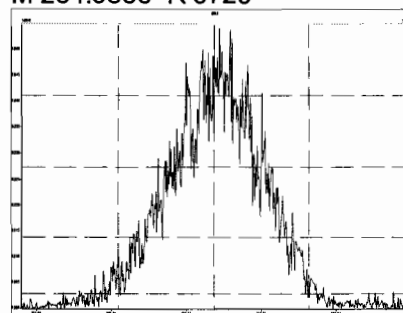
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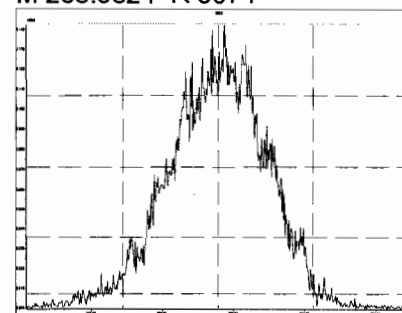
M 242.9856 R 9096



M 254.9856 R 9729

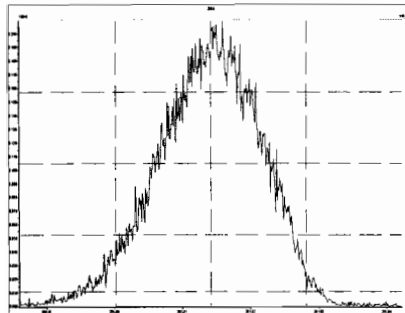


M 268.9824 R 9074

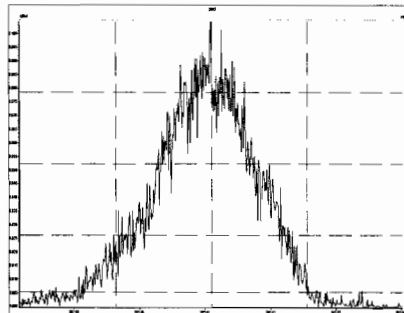


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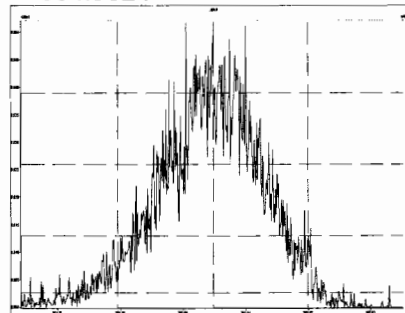
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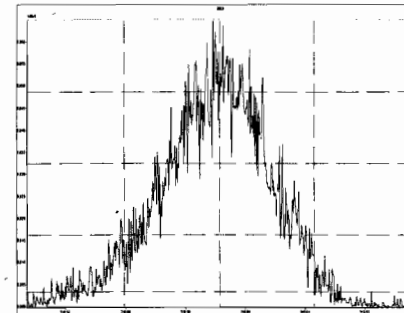
M 292.9824 R 8488



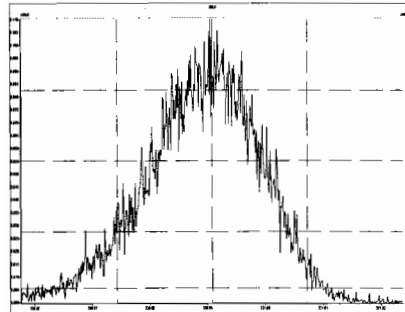
M 304.9824 R 8997



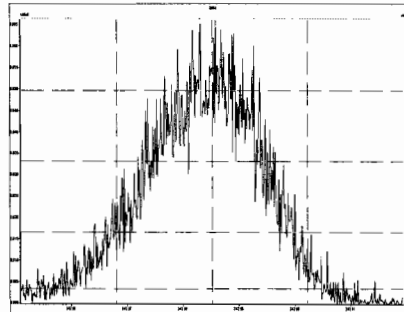
M 318.9792 R 7883



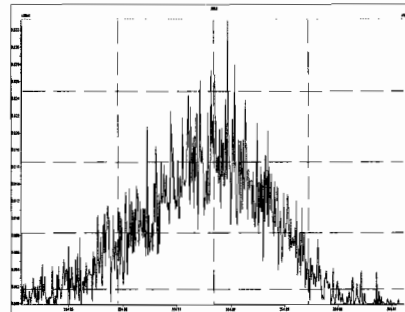
M 330.9792 R 7610



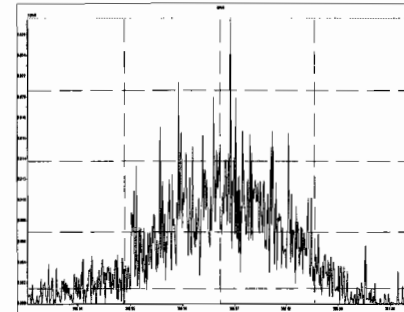
M 342.9792 R 7717



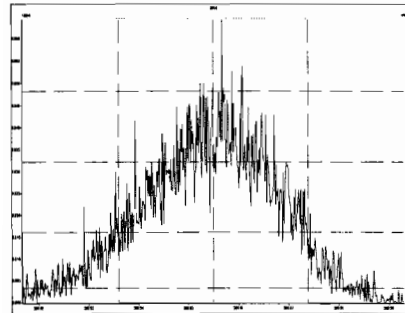
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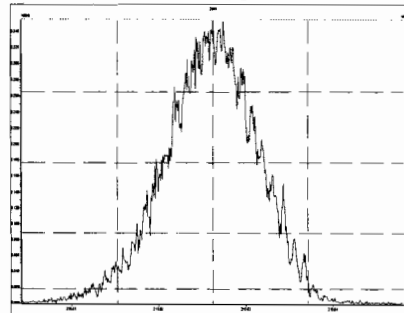
M 366.9792 R 9555



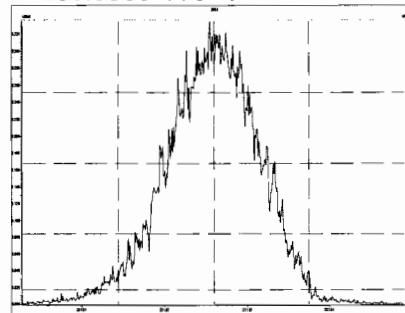
M 380.9760 R 6680



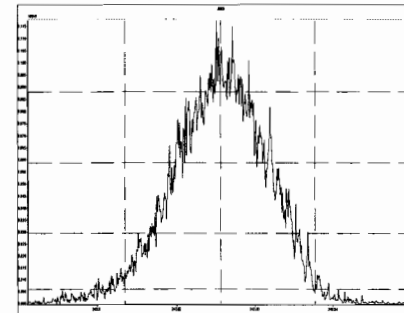
M 218.9856 R 9365



M 230.9856 R 9140

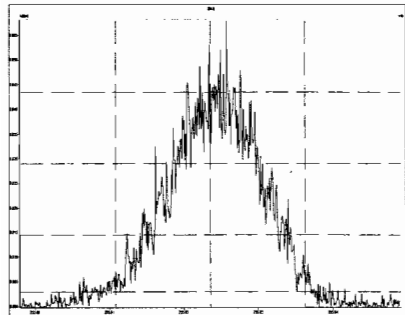


M 242.9856 R 9596

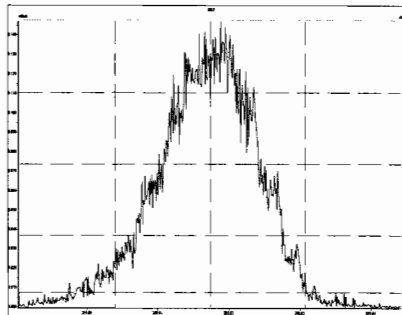


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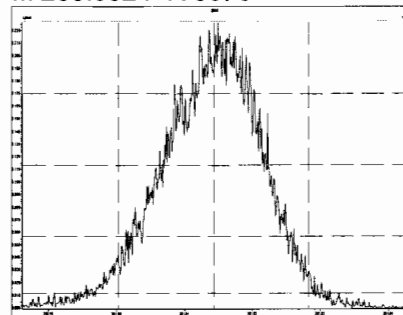
M 254.9856 R 9074



M 268.9824 R 8474



M 280.9824 R 8576



INITIAL CALIBRATION

Data filename: 191009D1
 Samp# 1 0.25 Samp# 2 0.50 Samp# 3 2.0 Samp# 4 10 Samp# 5 40 Samp# 6 300

Name	Mean RRF	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6
2,3,7,8-TCDD	0.9053	7.55 %	0.84	0.83	0.87	0.99	0.92	0.98
1,2,3,7,8-PeCDD	0.9027	4.95 %	0.86	0.87	0.88	0.88	0.96	0.96
1,2,3,4,7,8-HxCDD	1.1013	3.97 %	1.12	1.13	1.03	1.08	1.09	1.15
1,2,3,6,7,8-HxCDD	0.9386	7.68 %	0.83	0.88	1.01	0.92	0.98	1.00
1,2,3,7,8,9-HxCDD	0.9613	4.62 %	0.95	0.90	0.93	0.95	1.00	1.03
1,2,3,4,6,7,8-HpCDD	0.9794	5.84 %	0.90	0.97	0.95	0.96	1.03	1.06
OCDD	0.9585	4.07 %	0.93	0.94	0.92	0.94	1.01	1.01
2,3,7,8-TCDF	0.9501	8.27 %	1.09	0.90	0.89	0.89	0.95	0.99
1,2,3,7,8-PeCDF	0.9603	4.05 %	0.94	0.94	0.92	0.95	1.00	1.01
2,3,4,7,8-PeCDF	1.0148	3.01 %	1.00	0.99	1.00	1.00	1.03	1.07
1,2,3,4,7,8-HxCDF	1.1768	4.35 %	1.23	1.11	1.15	1.14	1.20	1.24
1,2,3,6,7,8-HxCDF	1.0689	3.63 %	1.01	1.07	1.06	1.05	1.12	1.11
2,3,4,6,7,8-HxCDF	1.1136	5.58 %	1.06	1.03	1.12	1.11	1.16	1.20
1,2,3,7,8,9-HxCDF	1.0616	3.91 %	1.05	1.02	1.02	1.06	1.08	1.13
1,2,3,4,6,7,8-HpCDF	1.1276	3.90 %	1.13	1.13	1.06	1.10	1.17	1.18
1,2,3,4,7,8,9-HpCDF	1.2799	3.29 %	1.30	1.24	1.25	1.25	1.31	1.34
OCDF	0.9472	3.80 %	0.95	0.92	0.91	0.92	1.00	0.98
13C-2,3,7,8-TCDD	1.0954	1.91 %	1.11	1.08	1.06	1.10	1.12	1.11
13C-1,2,3,7,8-PeCDD	0.8814	5.11 %	0.89	0.86	0.83	0.86	0.89	0.96
13C-1,2,3,4,7,8-HxCDD	0.6421	10.35 %	0.65	0.60	0.58	0.61	0.65	0.77
13C-1,2,3,6,7,8-HxCDD	0.8555	4.13 %	0.86	0.87	0.82	0.87	0.80	0.90
13C-1,2,3,7,8,9-HxCDD	0.8066	5.57 %	0.84	0.80	0.76	0.80	0.76	0.88
13C-1,2,3,4,6,7,8-HpCDD	0.6539	9.07 %	0.70	0.63	0.59	0.62	0.63	0.75
13C-OCDD	0.5797	10.98 %	0.60	0.52	0.53	0.55	0.59	0.69
13C-2,3,7,8-TCDF	1.0349	1.62 %	1.04	1.00	1.03	1.05	1.04	1.04
13C-1,2,3,7,8-PeCDF	0.8542	4.58 %	0.84	0.82	0.82	0.87	0.86	0.92
13C-2,3,4,7,8-PeCDF	0.8471	3.79 %	0.81	0.84	0.83	0.84	0.85	0.91
13C-1,2,3,4,7,8-HxCDF	0.8317	8.50 %	0.76	0.80	0.79	0.86	0.83	0.96
13C-1,2,3,6,7,8-HxCDF	1.0344	5.35 %	1.00	1.03	1.03	1.03	0.98	1.14
13C-2,3,4,6,7,8-HxCDF	0.9533	6.17 %	0.94	0.94	0.90	0.93	0.93	1.07
13C-1,2,3,7,8,9-HxCDF	0.8277	8.68 %	0.82	0.80	0.77	0.78	0.83	0.96
13C-1,2,3,4,6,7,8-HpCDF	0.7575	6.47 %	0.76	0.73	0.72	0.75	0.73	0.85
13C-1,2,3,4,7,8,9-HpCDF	0.5812	8.97 %	0.62	0.54	0.52	0.55	0.58	0.66
13C-OCDF	0.6890	12.48 %	0.69	0.62	0.62	0.65	0.72	0.85
37Cl-2,3,7,8-TCDD	1.1977	8.83 %	1.40	1.16	1.16	1.11	1.15	1.21
13C-1,2,3,4-TCDD	1.0000	0.00 %	1.00	1.00	1.00	1.00	1.00	1.00
13C-1,2,3,4-TCDF	1.0000	0.00 %	1.00	1.00	1.00	1.00	1.00	1.00
13C-1,2,3,4,6,9-HxCDF	1.0000	0.00 %	1.00	1.00	1.00	1.00	1.00	1.00

DB CT
 10/10/19 10/10/19

Filename: 191009D1 S: 1 Acquired: 9-OCT-19 16:13:04
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-1 1613 CS0 19C2201

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	0.25	1.97e+04	0.80 y	26:32	-	0.84
2	Unk	1,2,3,7,8-PeCDD	1.25	8.06e+04	0.62 y	30:54	-	0.86
3	Unk	1,2,3,4,7,8-HxCDD	1.25	7.34e+04	1.23 y	34:16	-	1.12
4	Unk	1,2,3,6,7,8-HxCDD	1.25	7.23e+04	1.12 y	34:23	-	0.83
5	Unk	1,2,3,7,8,9-HxCDD	1.25	8.01e+04	1.19 y	34:43	-	0.95
6	Unk	1,2,3,4,6,7,8-HpCDD	1.25	6.39e+04	1.06 y	38:05	-	0.90
7	Unk	OCDD	2.50	1.14e+05	0.95 y	41:28	-	0.93
8	Unk	2,3,7,8-TCDF	0.25	3.62e+04	0.85 y	25:49	-	1.09
9	Unk	1,2,3,7,8-PeCDF	1.25	1.26e+05	1.52 y	29:46	-	0.94
10	Unk	2,3,4,7,8-PeCDF	1.25	1.31e+05	1.52 y	30:40	-	1.00
11	Unk	1,2,3,4,7,8-HxCDF	1.25	9.36e+04	1.22 y	33:22	-	1.23
12	Unk	1,2,3,6,7,8-HxCDF	1.25	1.02e+05	1.11 y	33:29	-	1.01
13	Unk	2,3,4,6,7,8-HxCDF	1.25	1.01e+05	1.30 y	34:07	-	1.06
14	Unk	1,2,3,7,8,9-HxCDF	1.25	8.74e+04	1.10 y	35:08	-	1.05
15	Unk	1,2,3,4,6,7,8-HpCDF	1.25	8.63e+04	1.01 y	36:57	-	1.13
16	Unk	1,2,3,4,7,8,9-HpCDF	1.25	8.18e+04	1.14 y	38:40	-	1.30
17	Unk	OCDF	2.50	1.32e+05	0.94 y	41:43	-	0.95
36	IS	13C-2,3,7,8-TCDD	100.00	9.40e+06	0.78 y	26:32	-	1.11
37	IS	13C-1,2,3,7,8-PeCDD	100.00	7.48e+06	0.62 y	30:55	-	0.89
38	IS	13C-1,2,3,4,7,8-HxCDD	100.00	5.24e+06	1.19 y	34:15	-	0.65
39	IS	13C-1,2,3,6,7,8-HxCDD	100.00	6.96e+06	1.32 y	34:22	-	0.86
40	IS	13C-1,2,3,7,8,9-HxCDD	100.00	6.74e+06	1.31 y	34:42	-	0.84
41	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	5.68e+06	1.05 y	38:05	-	0.70
42	IS	13C-OCDD	200.00	9.75e+06	0.88 y	41:28	-	0.60
43	IS	13C-2,3,7,8-TCDF	100.00	1.33e+07	0.79 y	25:49	-	1.04
44	IS	13C-1,2,3,7,8-PeCDF	100.00	1.07e+07	1.58 y	29:46	-	0.84
45	IS	13C-2,3,4,7,8-PeCDF	100.00	1.05e+07	1.58 y	30:39	-	0.81
46	IS	13C-1,2,3,4,7,8-HxCDF	100.00	6.11e+06	0.51 y	33:21	-	0.76
47	IS	13C-1,2,3,6,7,8-HxCDF	100.00	8.04e+06	0.50 y	33:29	-	1.00
48	IS	13C-2,3,4,6,7,8-HxCDF	100.00	7.61e+06	0.50 y	34:07	-	0.94
49	IS	13C-1,2,3,7,8,9-HxCDF	100.00	6.66e+06	0.48 y	35:07	-	0.82
50	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	6.12e+06	0.42 y	36:57	-	0.76
51	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	5.02e+06	0.45 y	38:41	-	0.62
52	IS	13C-OCDF	200.00	1.11e+07	0.90 y	41:43	-	0.69
53	C/Up	37Cl-2,3,7,8-TCDD	0.25	2.97e+04		26:33	-	1.40
54	RS/RT	13C-1,2,3,4-TCDD	100.00	8.45e+06	0.80 y	25:59	-	1.00
55	RS	13C-1,2,3,4-TCDF	100.00	1.28e+07	0.79 y	24:39	-	1.00
56	RS/RT	13C-1,2,3,4,6,9-HxCDF	100.00	8.07e+06	0.52 y	33:47	-	1.00

DB
10/10/14

Filename: 191009D1 S: 2 Acquired: 9-OCT-19 17:00:45
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-2 1613 CS1 19C2202

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	0.50	3.54e+04	0.78 y	26:34	-	0.83
2	Unk	1,2,3,7,8-PeCDD	2.50	1.46e+05	0.60 y	30:56	-	0.87
3	Unk	1,2,3,4,7,8-HxCDD	2.50	1.25e+05	1.20 y	34:16	-	1.13
4	Unk	1,2,3,6,7,8-HxCDD	2.50	1.40e+05	1.22 y	34:23	-	0.88
5	Unk	1,2,3,7,8,9-HxCDD	2.50	1.33e+05	1.15 y	34:43	-	0.90
6	Unk	1,2,3,4,6,7,8-HpCDD	2.50	1.13e+05	0.97 y	38:06	-	0.97
7	Unk	OCDD	5.00	1.78e+05	0.90 y	41:28	-	0.94
8	Unk	2,3,7,8-TCDF	0.50	5.25e+04	0.74 y	25:51	-	0.90
9	Unk	1,2,3,7,8-PeCDF	2.50	2.25e+05	1.59 y	29:48	-	0.94
10	Unk	2,3,4,7,8-PeCDF	2.50	2.42e+05	1.50 y	30:40	-	0.99
11	Unk	1,2,3,4,7,8-HxCDF	2.50	1.62e+05	1.16 y	33:22	-	1.11
12	Unk	1,2,3,6,7,8-HxCDF	2.50	2.03e+05	1.20 y	33:30	-	1.07
13	Unk	2,3,4,6,7,8-HxCDF	2.50	1.79e+05	1.30 y	34:07	-	1.03
14	Unk	1,2,3,7,8,9-HxCDF	2.50	1.49e+05	1.24 y	35:08	-	1.02
15	Unk	1,2,3,4,6,7,8-HpCDF	2.50	1.51e+05	0.91 y	36:57	-	1.13
16	Unk	1,2,3,4,7,8,9-HpCDF	2.50	1.23e+05	0.94 y	38:41	-	1.24
17	Unk	OCDF	5.00	2.09e+05	0.91 y	41:43	-	0.92
36	IS	13C-2,3,7,8-TCDD	100.00	8.50e+06	0.78 y	26:34	-	1.08
37	IS	13C-1,2,3,7,8-PeCDD	100.00	6.74e+06	0.63 y	30:56	-	0.86
38	IS	13C-1,2,3,4,7,8-HxCDD	100.00	4.41e+06	1.38 y	34:16	-	0.60
39	IS	13C-1,2,3,6,7,8-HxCDD	100.00	6.35e+06	1.20 y	34:23	-	0.87
40	IS	13C-1,2,3,7,8,9-HxCDD	100.00	5.87e+06	1.26 y	34:42	-	0.80
41	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	4.64e+06	1.05 y	38:05	-	0.63
42	IS	13C-OCDD	200.00	7.58e+06	0.89 y	41:28	-	0.52
43	IS	13C-2,3,7,8-TCDF	100.00	1.17e+07	0.80 y	25:51	-	1.00
44	IS	13C-1,2,3,7,8-PeCDF	100.00	9.60e+06	1.59 y	29:48	-	0.82
45	IS	13C-2,3,4,7,8-PeCDF	100.00	9.80e+06	1.58 y	30:40	-	0.84
46	IS	13C-1,2,3,4,7,8-HxCDF	100.00	5.84e+06	0.52 y	33:21	-	0.80
47	IS	13C-1,2,3,6,7,8-HxCDF	100.00	7.58e+06	0.51 y	33:29	-	1.03
48	IS	13C-2,3,4,6,7,8-HxCDF	100.00	6.92e+06	0.51 y	34:07	-	0.94
49	IS	13C-1,2,3,7,8,9-HxCDF	100.00	5.84e+06	0.49 y	35:08	-	0.80
50	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	5.38e+06	0.43 y	36:57	-	0.73
51	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	3.99e+06	0.43 y	38:41	-	0.54
52	IS	13C-OCDF	200.00	9.05e+06	0.88 y	41:43	-	0.62
53	C/Up	37Cl-2,3,7,8-TCDD	0.50	4.55e+04		26:34	-	1.16
54	RS/RT	13C-1,2,3,4-TCDD	100.00	7.86e+06	0.77 y	26:01	-	1.00
55	RS	13C-1,2,3,4-TCDF	100.00	1.17e+07	0.83 y	24:41	-	1.00
56	RS/RT	13C-1,2,3,4,6,9-HxCDF	100.00	7.33e+06	0.52 y	33:47	-	1.00

DB
10/10/19

Filename: 191009D1 S: 3 Acquired: 9-OCT-19 17:48:27

Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19

Results:

Sample text: ST191009D1-3 1613 CS2 19C2203

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	2.00	1.35e+05	0.74 y	26:33	-	0.87
2	Unk	1,2,3,7,8-PeCDD	10.00	5.33e+05	0.64 y	30:56	-	0.88
3	Unk	1,2,3,4,7,8-HxCDD	10.00	3.94e+05	1.22 y	34:16	-	1.03
4	Unk	1,2,3,6,7,8-HxCDD	10.00	5.50e+05	1.25 y	34:23	-	1.01
5	Unk	1,2,3,7,8,9-HxCDD	10.00	4.71e+05	1.36 y	34:43	-	0.93
6	Unk	1,2,3,4,6,7,8-HpCDD	10.00	3.70e+05	1.02 y	38:06	-	0.95
7	Unk	OCDD	20.00	6.41e+05	0.90 y	41:29	-	0.92
8	Unk	2,3,7,8-TCDF	2.00	1.90e+05	0.83 y	25:49	-	0.89
9	Unk	1,2,3,7,8-PeCDF	10.00	7.88e+05	1.58 y	29:47	-	0.92
10	Unk	2,3,4,7,8-PeCDF	10.00	8.71e+05	1.56 y	30:40	-	1.00
11	Unk	1,2,3,4,7,8-HxCDF	10.00	6.02e+05	1.14 y	33:22	-	1.15
12	Unk	1,2,3,6,7,8-HxCDF	10.00	7.20e+05	1.27 y	33:30	-	1.06
13	Unk	2,3,4,6,7,8-HxCDF	10.00	6.66e+05	1.26 y	34:08	-	1.12
14	Unk	1,2,3,7,8,9-HxCDF	10.00	5.16e+05	1.16 y	35:08	-	1.02
15	Unk	1,2,3,4,6,7,8-HpCDF	10.00	5.02e+05	1.05 y	36:57	-	1.06
16	Unk	1,2,3,4,7,8,9-HpCDF	10.00	4.31e+05	1.08 y	38:41	-	1.25
17	Unk	OCDF	20.00	7.38e+05	0.91 y	41:44	-	0.91
36	IS	13C-2,3,7,8-TCDD	100.00	7.73e+06	0.78 y	26:33	-	1.06
37	IS	13C-1,2,3,7,8-PeCDD	100.00	6.03e+06	0.62 y	30:55	-	0.83
38	IS	13C-1,2,3,4,7,8-HxCDD	100.00	3.81e+06	1.24 y	34:15	-	0.58
39	IS	13C-1,2,3,6,7,8-HxCDD	100.00	5.44e+06	1.28 y	34:22	-	0.82
40	IS	13C-1,2,3,7,8,9-HxCDD	100.00	5.03e+06	1.21 y	34:42	-	0.76
41	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	3.89e+06	1.09 y	38:05	-	0.59
42	IS	13C-OCDD	200.00	6.97e+06	0.90 y	41:28	-	0.53
43	IS	13C-2,3,7,8-TCDF	100.00	1.08e+07	0.82 y	25:49	-	1.03
44	IS	13C-1,2,3,7,8-PeCDF	100.00	8.55e+06	1.59 y	29:47	-	0.82
45	IS	13C-2,3,4,7,8-PeCDF	100.00	8.70e+06	1.59 y	30:40	-	0.83
46	IS	13C-1,2,3,4,7,8-HxCDF	100.00	5.22e+06	0.49 y	33:21	-	0.79
47	IS	13C-1,2,3,6,7,8-HxCDF	100.00	6.80e+06	0.51 y	33:29	-	1.03
48	IS	13C-2,3,4,6,7,8-HxCDF	100.00	5.93e+06	0.52 y	34:07	-	0.90
49	IS	13C-1,2,3,7,8,9-HxCDF	100.00	5.05e+06	0.51 y	35:08	-	0.77
50	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	4.73e+06	0.44 y	36:57	-	0.72
51	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	3.46e+06	0.45 y	38:41	-	0.52
52	IS	13C-OCDF	200.00	8.15e+06	0.92 y	41:44	-	0.62
53	C/Up	37Cl-2,3,7,8-TCDD	2.00	1.69e+05		26:33	-	1.16
54	RS/RT	13C-1,2,3,4-TCDD	100.00	7.29e+06	0.77 y	25:59	-	1.00
55	RS	13C-1,2,3,4-TCDF	100.00	1.04e+07	0.82 y	24:39	-	1.00
56	RS/RT	13C-1,2,3,4,6,9-HxCDF	100.00	6.60e+06	0.52 y	33:47	-	1.00

DB
10/10/19

Filename: 191009D1 S: 4 Acquired: 9-OCT-19 18:36:09
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-4 1613 CS3 19C2204

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	10.00	8.37e+05	0.80 y	26:35	-	0.99
2	Unk	1,2,3,7,8-PeCDD	50.00	2.94e+06	0.61 y	30:56	-	0.88
3	Unk	1,2,3,4,7,8-HxCDD	50.00	2.38e+06	1.21 y	34:16	-	1.08
4	Unk	1,2,3,6,7,8-HxCDD	50.00	2.90e+06	1.19 y	34:23	-	0.92
5	Unk	1,2,3,7,8,9-HxCDD	50.00	2.74e+06	1.24 y	34:42	-	0.95
6	Unk	1,2,3,4,6,7,8-HpCDD	50.00	2.15e+06	1.03 y	38:05	-	0.96
7	Unk	OCDD	100.00	3.73e+06	0.91 y	41:28	-	0.94
8	Unk	2,3,7,8-TCDF	10.00	1.05e+06	0.80 y	25:51	-	0.89
9	Unk	1,2,3,7,8-PeCDF	50.00	4.65e+06	1.59 y	29:47	-	0.95
10	Unk	2,3,4,7,8-PeCDF	50.00	4.70e+06	1.68 y	30:40	-	1.00
11	Unk	1,2,3,4,7,8-HxCDF	50.00	3.52e+06	1.24 y	33:21	-	1.14
12	Unk	1,2,3,6,7,8-HxCDF	50.00	3.92e+06	1.25 y	33:29	-	1.05
13	Unk	2,3,4,6,7,8-HxCDF	50.00	3.74e+06	1.22 y	34:07	-	1.11
14	Unk	1,2,3,7,8,9-HxCDF	50.00	3.00e+06	1.19 y	35:07	-	1.06
15	Unk	1,2,3,4,6,7,8-HpCDF	50.00	2.97e+06	1.04 y	36:57	-	1.10
16	Unk	1,2,3,4,7,8,9-HpCDF	50.00	2.49e+06	1.07 y	38:41	-	1.25
17	Unk	OCDF	100.00	4.33e+06	0.91 y	41:43	-	0.92
36	IS	13C-2,3,7,8-TCDD	100.00	8.46e+06	0.74 y	26:33	-	1.10
37	IS	13C-1,2,3,7,8-PeCDD	100.00	6.66e+06	0.62 y	30:55	-	0.86
38	IS	13C-1,2,3,4,7,8-HxCDD	100.00	4.42e+06	1.25 y	34:15	-	0.61
39	IS	13C-1,2,3,6,7,8-HxCDD	100.00	6.30e+06	1.28 y	34:22	-	0.87
40	IS	13C-1,2,3,7,8,9-HxCDD	100.00	5.76e+06	1.27 y	34:41	-	0.80
41	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	4.47e+06	1.05 y	38:05	-	0.62
42	IS	13C-OCDD	200.00	7.90e+06	0.94 y	41:27	-	0.55
43	IS	13C-2,3,7,8-TCDF	100.00	1.18e+07	0.79 y	25:50	-	1.05
44	IS	13C-1,2,3,7,8-PeCDF	100.00	9.79e+06	1.62 y	29:47	-	0.87
45	IS	13C-2,3,4,7,8-PeCDF	100.00	9.43e+06	1.61 y	30:39	-	0.84
46	IS	13C-1,2,3,4,7,8-HxCDF	100.00	6.19e+06	0.50 y	33:21	-	0.86
47	IS	13C-1,2,3,6,7,8-HxCDF	100.00	7.47e+06	0.51 y	33:29	-	1.03
48	IS	13C-2,3,4,6,7,8-HxCDF	100.00	6.75e+06	0.49 y	34:06	-	0.93
49	IS	13C-1,2,3,7,8,9-HxCDF	100.00	5.64e+06	0.49 y	35:07	-	0.78
50	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	5.40e+06	0.43 y	36:55	-	0.75
51	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	3.99e+06	0.44 y	38:40	-	0.55
52	IS	13C-OCDF	200.00	9.37e+06	0.89 y	41:43	-	0.65
53	C/Up	37Cl-2,3,7,8-TCDD	10.00	8.56e+05		26:35	-	1.11
54	RS/RT	13C-1,2,3,4-TCDD	100.00	7.70e+06	0.75 y	26:00	-	1.00
55	RS	13C-1,2,3,4-TCDF	100.00	1.13e+07	0.82 y	24:41	-	1.00
56	RS/RT	13C-1,2,3,4,6,9-HxCDF	100.00	7.23e+06	0.51 y	33:47	-	1.00

DB

10/10/19

Filename: 191009D1 S: 5 Acquired: 9-OCT-19 19:23:46
Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
Sample text: ST191009D1-5 1613 CS4 19C2205

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	40.00	3.53e+06	0.81 y	26:35	-	0.92
2	Unk	1,2,3,7,8-PeCDD	200.00	1.48e+07	0.63 y	30:55	-	0.96
3	Unk	1,2,3,4,7,8-HxCDD	200.00	1.19e+07	1.19 y	34:15	-	1.09
4	Unk	1,2,3,6,7,8-HxCDD	200.00	1.34e+07	1.20 y	34:22	-	0.98
5	Unk	1,2,3,7,8,9-HxCDD	200.00	1.30e+07	1.18 y	34:41	-	1.00
6	Unk	1,2,3,4,6,7,8-HpCDD	200.00	1.10e+07	1.03 y	38:04	-	1.03
7	Unk	OCDD	400.00	2.03e+07	0.91 y	41:26	-	1.01
8	Unk	2,3,7,8-TCDF	40.00	5.17e+06	0.77 y	25:52	-	0.95
9	Unk	1,2,3,7,8-PeCDF	200.00	2.24e+07	1.58 y	29:47	-	1.00
10	Unk	2,3,4,7,8-PeCDF	200.00	2.29e+07	1.55 y	30:40	-	1.03
11	Unk	1,2,3,4,7,8-HxCDF	200.00	1.69e+07	1.21 y	33:21	-	1.20
12	Unk	1,2,3,6,7,8-HxCDF	200.00	1.85e+07	1.21 y	33:29	-	1.12
13	Unk	2,3,4,6,7,8-HxCDF	200.00	1.83e+07	1.21 y	34:06	-	1.16
14	Unk	1,2,3,7,8,9-HxCDF	200.00	1.53e+07	1.22 y	35:06	-	1.08
15	Unk	1,2,3,4,6,7,8-HpCDF	200.00	1.46e+07	1.04 y	36:56	-	1.17
16	Unk	1,2,3,4,7,8,9-HpCDF	200.00	1.30e+07	1.05 y	38:39	-	1.31
17	Unk	OCDF	400.00	2.42e+07	0.91 y	41:41	-	1.00
36	IS	13C-2,3,7,8-TCDD	100.00	9.63e+06	0.75 y	26:34	-	1.12
37	IS	13C-1,2,3,7,8-PeCDD	100.00	7.72e+06	0.63 y	30:54	-	0.89
38	IS	13C-1,2,3,4,7,8-HxCDD	100.00	5.48e+06	1.31 y	34:14	-	0.65
39	IS	13C-1,2,3,6,7,8-HxCDD	100.00	6.83e+06	1.22 y	34:21	-	0.80
40	IS	13C-1,2,3,7,8,9-HxCDD	100.00	6.48e+06	1.26 y	34:40	-	0.76
41	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	5.36e+06	1.08 y	38:03	-	0.63
42	IS	13C-OCDD	200.00	1.01e+07	0.91 y	41:25	-	0.59
43	IS	13C-2,3,7,8-TCDF	100.00	1.36e+07	0.80 y	25:51	-	1.04
44	IS	13C-1,2,3,7,8-PeCDF	100.00	1.12e+07	1.57 y	29:46	-	0.86
45	IS	13C-2,3,4,7,8-PeCDF	100.00	1.11e+07	1.52 y	30:39	-	0.85
46	IS	13C-1,2,3,4,7,8-HxCDF	100.00	7.05e+06	0.50 y	33:20	-	0.83
47	IS	13C-1,2,3,6,7,8-HxCDF	100.00	8.28e+06	0.49 y	33:28	-	0.98
48	IS	13C-2,3,4,6,7,8-HxCDF	100.00	7.90e+06	0.51 y	34:05	-	0.93
49	IS	13C-1,2,3,7,8,9-HxCDF	100.00	7.08e+06	0.51 y	35:06	-	0.83
50	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	6.23e+06	0.46 y	36:55	-	0.73
51	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	4.95e+06	0.44 y	38:38	-	0.58
52	IS	13C-OCDF	200.00	1.22e+07	0.90 y	41:40	-	0.72
53	C/Up	37Cl-2,3,7,8-TCDD	40.00	3.96e+06		26:35	-	1.15
54	RS/RT	13C-1,2,3,4-TCDD	100.00	8.64e+06	0.78 y	26:00	-	1.00
55	RS	13C-1,2,3,4-TCDF	100.00	1.30e+07	0.83 y	24:41	-	1.00
56	RS/RT	13C-1,2,3,4,6,9-HxCDF	100.00	8.48e+06	0.51 y	33:46	-	1.00

DB
10/10/19

Filename: 191009D1 S: 6 Acquired: 9-OCT-19 20:11:17
 Run: 191009D1 Analyte: Cal: 1613VG7-10-9-19 Results:
 Sample text: ST191009D1-6 1613 CS5 19C2206

	Typ	Name	Amount	Resp	RA	RT	RF	RRF
1	Unk	2,3,7,8-TCDD	300.00	2.80e+07	0.81 y	26:35	-	0.98
2	Unk	1,2,3,7,8-PeCDD	1500.00	1.19e+08	0.62 y	30:55	-	0.96
3	Unk	1,2,3,4,7,8-HxCDD	1500.00	1.04e+08	1.22 y	34:15	-	1.15
4	Unk	1,2,3,6,7,8-HxCDD	1500.00	1.07e+08	1.21 y	34:22	-	1.00
5	Unk	1,2,3,7,8,9-HxCDD	1500.00	1.06e+08	1.23 y	34:41	-	1.03
6	Unk	1,2,3,4,6,7,8-HpCDD	1500.00	9.32e+07	1.05 y	38:03	-	1.06
7	Unk	OCDD	3000.00	1.64e+08	0.92 y	41:25	-	1.01
8	Unk	2,3,7,8-TCDF	300.00	3.95e+07	0.79 y	25:52	-	0.99
9	Unk	1,2,3,7,8-PeCDF	1500.00	1.79e+08	1.58 y	29:47	-	1.01
10	Unk	2,3,4,7,8-PeCDF	1500.00	1.86e+08	1.57 y	30:39	-	1.07
11	Unk	1,2,3,4,7,8-HxCDF	1500.00	1.40e+08	1.20 y	33:21	-	1.24
12	Unk	1,2,3,6,7,8-HxCDF	1500.00	1.48e+08	1.21 y	33:29	-	1.11
13	Unk	2,3,4,6,7,8-HxCDF	1500.00	1.51e+08	1.22 y	34:06	-	1.20
14	Unk	1,2,3,7,8,9-HxCDF	1500.00	1.28e+08	1.25 y	35:06	-	1.13
15	Unk	1,2,3,4,6,7,8-HpCDF	1500.00	1.18e+08	1.03 y	36:55	-	1.18
16	Unk	1,2,3,4,7,8,9-HpCDF	1500.00	1.04e+08	1.05 y	38:38	-	1.34
17	Unk	OCDF	3000.00	1.96e+08	0.91 y	41:40	-	0.98
36	IS	13C-2,3,7,8-TCDD	100.00	9.53e+06	0.73 y	26:33	-	1.11
37	IS	13C-1,2,3,7,8-PeCDD	100.00	8.28e+06	0.64 y	30:54	-	0.96
38	IS	13C-1,2,3,4,7,8-HxCDD	100.00	6.01e+06	1.21 y	34:14	-	0.77
39	IS	13C-1,2,3,6,7,8-HxCDD	100.00	7.08e+06	1.32 y	34:21	-	0.90
40	IS	13C-1,2,3,7,8,9-HxCDD	100.00	6.90e+06	1.26 y	34:39	-	0.88
41	IS	13C-1,2,3,4,6,7,8-HpCDD	100.00	5.86e+06	1.08 y	38:03	-	0.75
42	IS	13C-OCDD	200.00	1.08e+07	0.92 y	41:25	-	0.69
43	IS	13C-2,3,7,8-TCDF	100.00	1.33e+07	0.80 y	25:51	-	1.04
44	IS	13C-1,2,3,7,8-PeCDF	100.00	1.18e+07	1.59 y	29:46	-	0.92
45	IS	13C-2,3,4,7,8-PeCDF	100.00	1.16e+07	1.60 y	30:38	-	0.91
46	IS	13C-1,2,3,4,7,8-HxCDF	100.00	7.52e+06	0.51 y	33:20	-	0.96
47	IS	13C-1,2,3,6,7,8-HxCDF	100.00	8.92e+06	0.50 y	33:28	-	1.14
48	IS	13C-2,3,4,6,7,8-HxCDF	100.00	8.38e+06	0.51 y	34:05	-	1.07
49	IS	13C-1,2,3,7,8,9-HxCDF	100.00	7.57e+06	0.52 y	35:05	-	0.96
50	IS	13C-1,2,3,4,6,7,8-HpCDF	100.00	6.70e+06	0.43 y	36:54	-	0.85
51	IS	13C-1,2,3,4,7,8,9-HpCDF	100.00	5.19e+06	0.43 y	38:37	-	0.66
52	IS	13C-OCDF	200.00	1.33e+07	0.89 y	41:39	-	0.85
53	C/Up	37Cl-2,3,7,8-TCDD	199.98	2.09e+07		26:35	-	1.21
54	RS/RT	13C-1,2,3,4-TCDD	100.00	8.62e+06	0.76 y	26:01	-	1.00
55	RS	13C-1,2,3,4-TCDF	100.00	1.27e+07	0.84 y	24:41	-	1.00
56	RS/RT	13C-1,2,3,4,6,9-HxCDF	100.00	7.85e+06	0.49 y	33:45	-	1.00

DB

10/10/19

Run: 191009D1 Analyte: Cal: 1613VG7-10 9-19 Inst. ID. VG-7

Data filename: 191009D1

Samp# 1	Samp# 2	Samp# 3	Samp# 4	Samp# 5	Samp# 6
0.25	0.50	2.0	10	40	300

Name	Mean RRF	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6
Total Tetra-Dioxins	0.9053	7.55 %	0.84	0.83	0.87	0.99	0.92	0.98
TCDD EMPC	0.9053	7.55 %	0.84	0.83	0.87	0.99	0.92	0.98
Total Penta-Dioxins	0.9027	4.95 %	0.86	0.87	0.88	0.88	0.96	0.96
PeCDD EMPC	0.9027	4.95 %	0.86	0.87	0.88	0.88	0.96	0.96
Total Hexa-Dioxins	0.9918	4.02 %	0.95	0.96	0.99	0.97	1.02	1.06
HxCDD EMPC	0.9918	4.02 %	0.95	0.96	0.99	0.97	1.02	1.06
Total Hepta-Dioxins	0.9794	5.84 %	0.90	0.97	0.95	0.96	1.03	1.06
HpCDD EMPC	0.9794	5.84 %	0.90	0.97	0.95	0.96	1.03	1.06
Total Tetra-Furans	0.9501	8.27 %	1.09	0.90	0.89	0.89	0.95	0.99
TCDF EMPC	0.9501	8.27 %	1.09	0.90	0.89	0.89	0.95	0.99
1st Func. Penta-Furans	0.9875	3.40 %	0.97	0.96	0.96	0.97	1.02	1.04
1st Func. PeCDF EMPC	0.9875	3.40 %	0.97	0.96	0.96	0.97	1.02	1.04
Total Penta-Furans	0.9875	3.40 %	0.97	0.96	0.96	0.97	1.02	1.04
PeCDF EMPC	0.9875	3.40 %	0.97	0.96	0.96	0.97	1.02	1.04
Total Hexa-Furans	1.1033	3.70 %	1.08	1.06	1.09	1.09	1.14	1.17
HxCDF EMPC	1.1033	3.70 %	1.08	1.06	1.09	1.09	1.14	1.17
Total Hepta-Furans	1.1937	3.56 %	1.21	1.17	1.14	1.16	1.23	1.25
HpCDF EMPC	1.1937	3.56 %	1.21	1.17	1.14	1.16	1.23	1.25

DB
10/10/19

Run: 191009D1

Analyte:

Cal: 1613VG7-10-9-19

Inst. ID: VG-7

Data filename: 191009D1

		Samp# 1	Samp# 2	Samp# 3	Samp# 4	Samp# 5	Samp# 6	
		0.25	0.50	2.0	10	40	300	
	RRT Limits							
Name	Lower	Upper	RRT#1	RRT#2	RRT#3	RRT#4	RRT#5	RRT#6
2,3,7,8-TCDD	0.999	-1.002	1.000	1.000	1.000	1.001	1.001	1.001
1,2,3,7,8-PeCDD	0.999	-1.002	0.999	1.000	1.001	1.001	1.001	1.001
1,2,3,4,7,8-HxCDD	0.999	-1.001	1.000	1.000	1.001	1.000	1.000	1.000
1,2,3,6,7,8-HxCDD	0.998	-1.004	1.000	1.000	1.000	1.001	1.001	1.000
1,2,3,7,8,9-HxCDD	0.998	-1.004	1.001	1.000	1.000	1.000	1.001	1.001
1,2,3,4,6,7,8-HpCDD	0.999	-1.001	1.000	1.000	1.000	1.000	1.000	1.000
OCDD	0.999	-1.001	1.000	1.000	1.000	1.000	1.000	1.000
2,3,7,8-TCDF	0.999	-1.003	1.000	1.000	1.000	1.001	1.001	1.001
1,2,3,7,8-PeCDF	0.999	-1.002	1.000	1.000	1.000	1.000	1.000	1.001
2,3,4,7,8-PeCDF	0.999	-1.002	1.000	1.000	1.000	1.001	1.001	1.001
1,2,3,4,7,8-HxCDF	0.999	-1.001	1.000	1.000	1.000	1.000	1.000	1.000
1,2,3,6,7,8-HxCDF	0.997	-1.005	1.000	1.000	1.001	1.000	1.000	1.000
2,3,4,6,7,8-HxCDF	0.999	-1.001	1.000	1.000	1.000	1.001	1.001	1.000
1,2,3,7,8,9-HxCDF	0.999	-1.001	1.000	1.000	1.000	1.000	1.000	1.000
1,2,3,4,6,7,8-HpCDF	0.999	-1.001	1.000	1.000	1.000	1.001	1.000	1.000
1,2,3,4,7,8,9-HpCDF	0.999	-1.001	1.000	1.000	1.000	1.000	1.000	1.000
OCDF	0.999	-1.001	1.000	1.000	1.000	1.000	1.000	1.000
13C-2,3,7,8-TCDD	0.976	-1.043	1.022	1.022	1.022	1.021	1.021	1.021
13C-1,2,3,7,8-PeCDD	1.000	-1.567	1.190	1.189	1.190	1.189	1.188	1.188
13C-1,2,3,4,7,8-HxCDD	1.002	-1.026	1.014	1.014	1.014	1.014	1.014	1.014
13C-1,2,3,6,7,8-HxCDD	1.007	-1.029	1.017	1.018	1.018	1.017	1.017	1.018
13C-1,2,3,7,8,9-HxCDD	1.014	-1.038	1.027	1.027	1.027	1.027	1.027	1.027
13C-1,2,3,4,6,7,8-HpCDD	1.117	-1.141	1.127	1.127	1.128	1.127	1.127	1.127
13C-OCDD	1.085	-1.365	1.227	1.227	1.228	1.227	1.227	1.227
13C-2,3,7,8-TCDF	0.923	-1.103	0.994	0.994	0.994	0.994	0.994	0.994
13C-1,2,3,7,8-PeCDF	1.000	-1.425	1.146	1.146	1.146	1.145	1.145	1.144
13C-2,3,4,7,8-PeCDF	1.011	-1.526	1.180	1.179	1.180	1.179	1.178	1.178
13C-1,2,3,4,7,8-HxCDF	0.975	-1.001	0.987	0.987	0.987	0.987	0.987	0.987
13C-1,2,3,6,7,8-HxCDF	0.979	-1.005	0.991	0.991	0.991	0.991	0.991	0.991
13C-2,3,4,6,7,8-HxCDF	1.001	-1.020	1.010	1.010	1.010	1.009	1.009	1.010
13C-1,2,3,7,8,9-HxCDF	1.002	-1.072	1.040	1.040	1.040	1.039	1.039	1.039
13C-1,2,3,4,6,7,8-HpCDF	1.069	-1.111	1.093	1.093	1.094	1.093	1.093	1.093
13C-1,2,3,4,7,8,9-HpCDF	1.098	-1.192	1.145	1.145	1.145	1.145	1.144	1.144
13C-OCDF	1.091	-1.371	1.235	1.234	1.235	1.235	1.234	1.234
37Cl-2,3,7,8-TCDD	0.989	-1.052	1.022	1.021	1.022	1.022	1.022	1.022
13C-1,2,3,4-TCDD	0.000	-0.000	*	*	*	*	*	*
13C-1,2,3,4-TCDF	0.000	-0.000	*	*	*	*	*	*
13C-1,2,3,4,6,9-HxCDF	0.000	-0.000	*	*	*	*	*	*

D)B
10/10/19

FORM 5

PCDD/PCDF RT WINDOW AND ISOMER SPECIFICITY STANDARDS

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Instrument ID: VG-7 Initial Calibration Date: 10-9-19

RT Window Data Filename: 191009D1 S#4 Analysis Date: 9-OCT-19 Time: 18:36:09

ZB-5MS IS Data Filename: 191009D1 S#4 Analysis Date: 9-OCT-19 Time: 18:36:09

DB_225 IS Data Filename: Analysis Date: Time:

ZB-5MS RT WINDOW DEFINING STANDARDS RESULTS

ISOMERS	ABSOLUTE RT	ISOMERS	ABSOLUTE RT
1,3,6,8-TCDD (F)	23:24	1,3,6,8-TCDF (F)	21:25
1,2,8,9-TCDD (L)	27:24	1,2,8,9-TCDF (L)	27:33
1,2,4,7,9-PeCDD (F)	28:55	1,3,4,6,8-PeCDF (F)	27:28
1,2,3,8,9-PeCDD (L)	31:17	1,2,3,8,9-PeCDF (L)	31:32
1,2,4,6,7,9-HxCDD (F)	32:41	1,2,3,4,6,8-HxCDF (F)	32:08
1,2,3,7,8,9-HxCDD (L)	34:42	1,2,3,7,8,9-HxCDF (L)	35:07
1,2,3,4,6,7,9-HpCDD (F)	37:16	1,2,3,4,6,7,8-HpCDF (F)	36:57
1,2,3,4,6,7,8,9-HpCDD (L)	38:05	1,2,3,4,7,8,9-HpCDF (L)	38:41

(F) = First eluting isomer (ZB-5MS); (L) = Last eluting isomer (ZB-5MS).

=====

ISOMER SPECIFICITY (IS) TEST STANDARD RESULTS

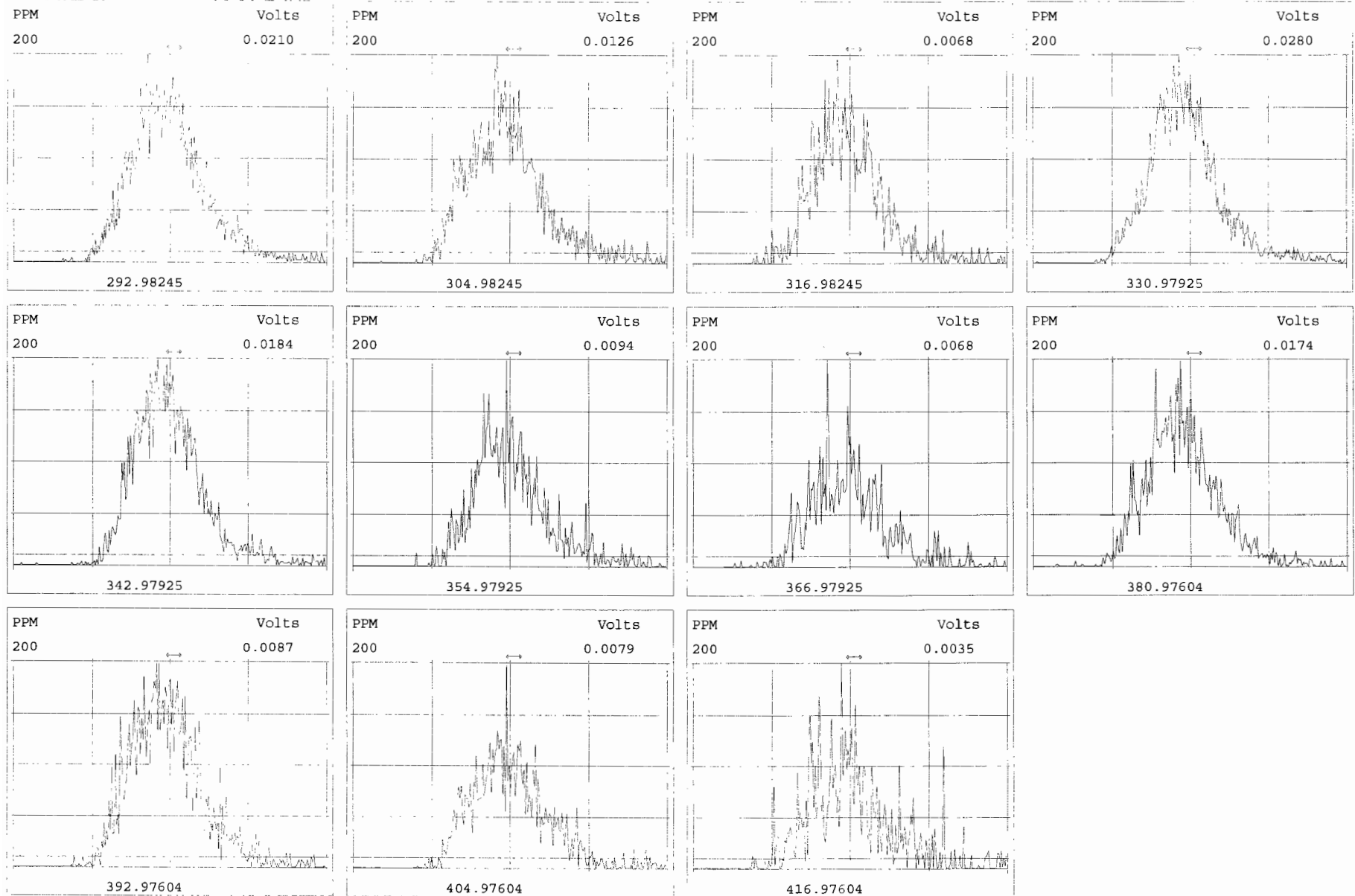
% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

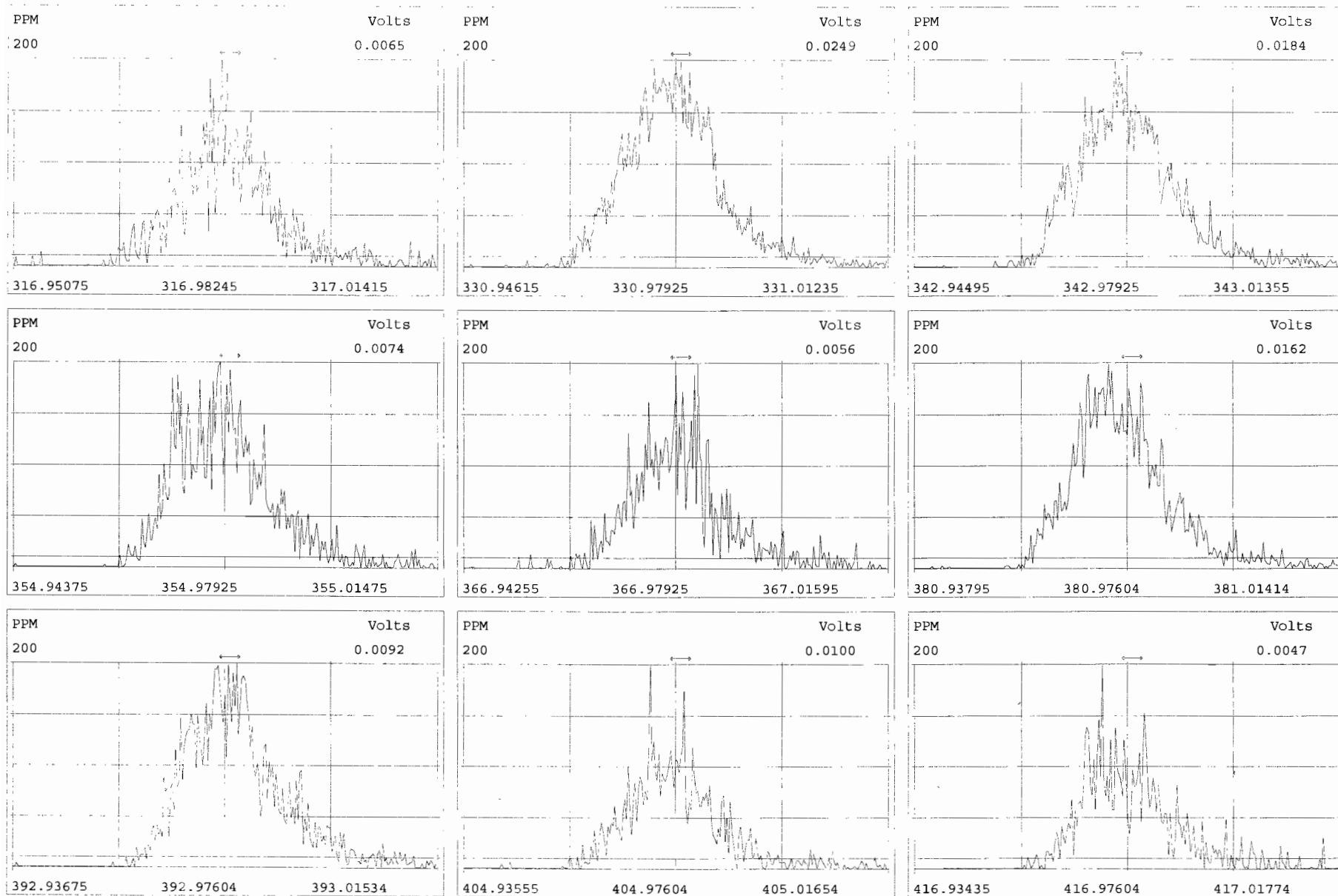
Analyst: DB

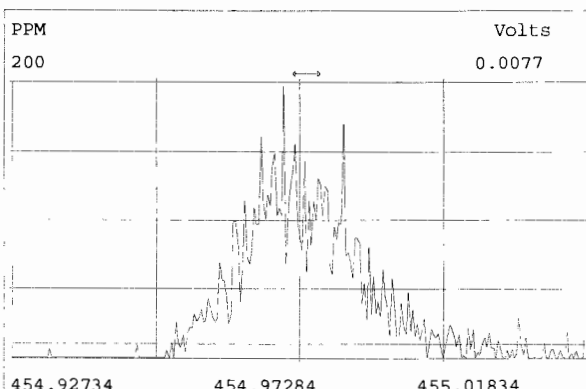
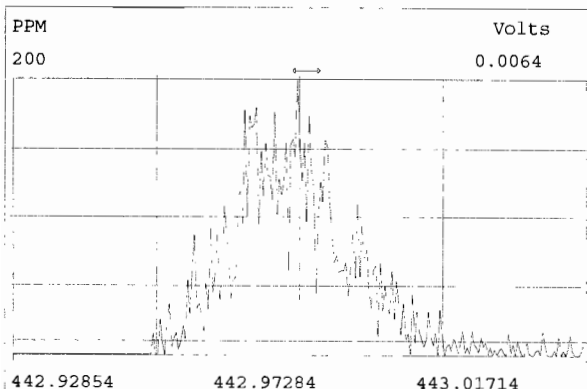
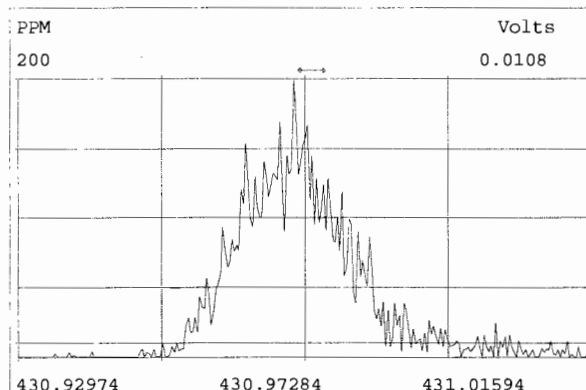
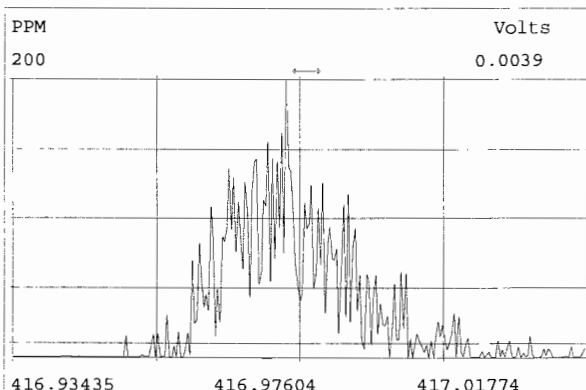
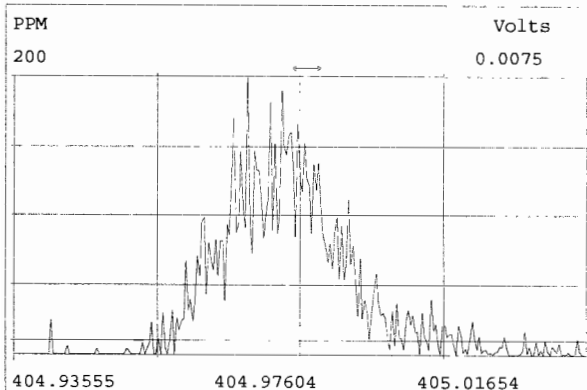
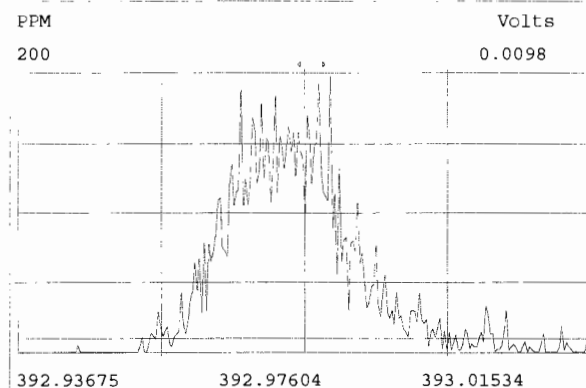
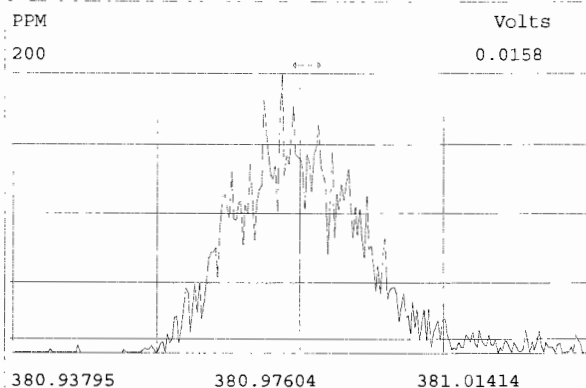
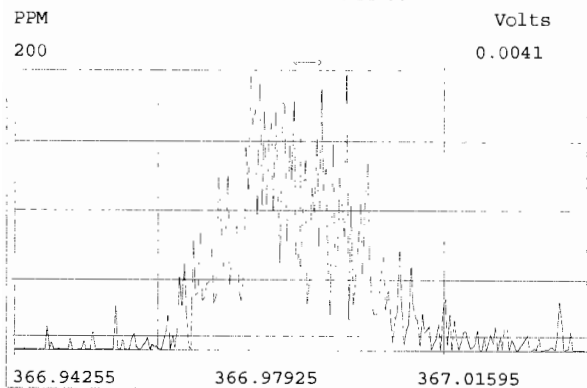
Date: 10/10/19

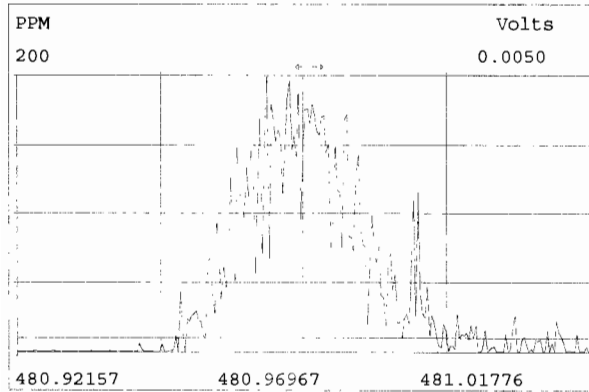
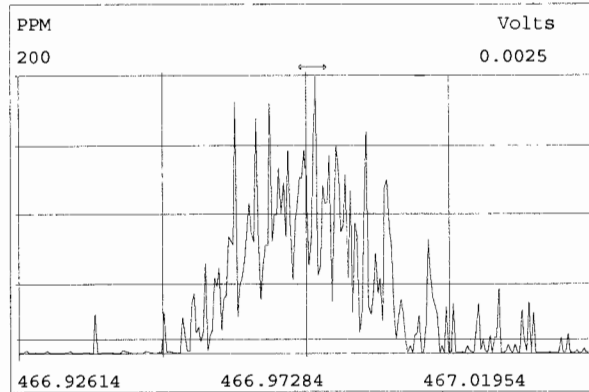
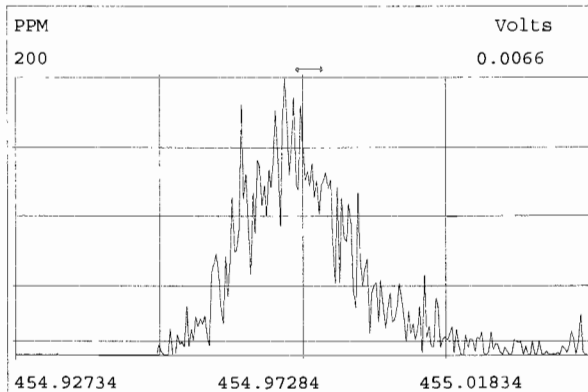
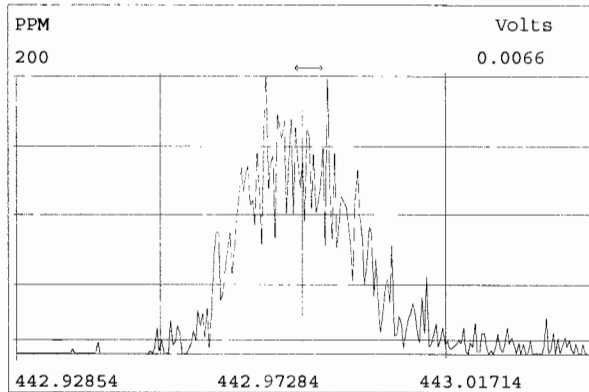
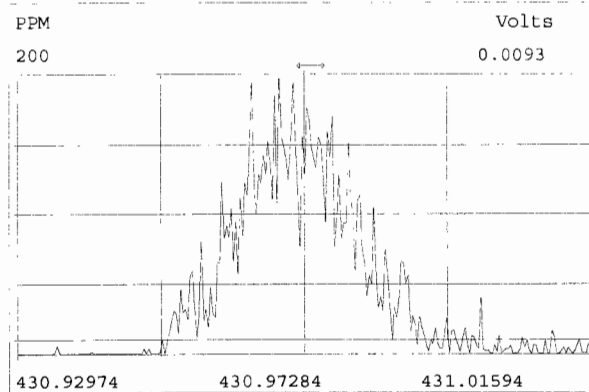
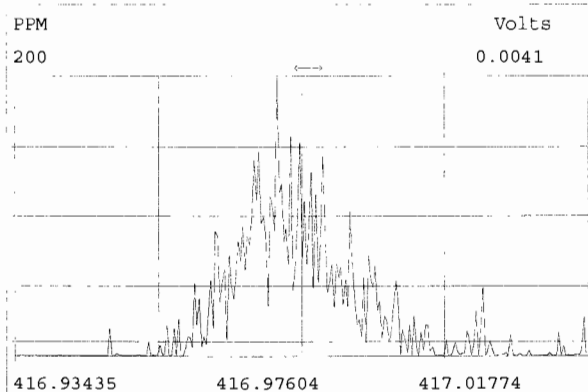
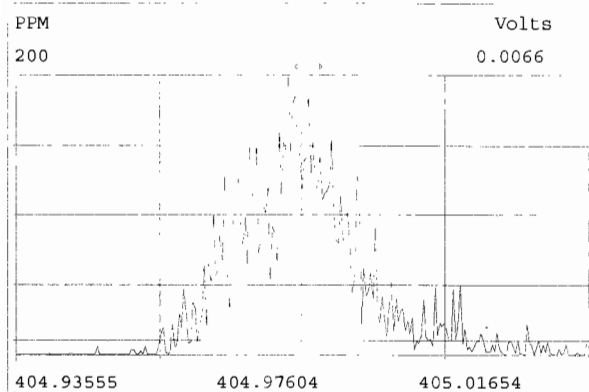


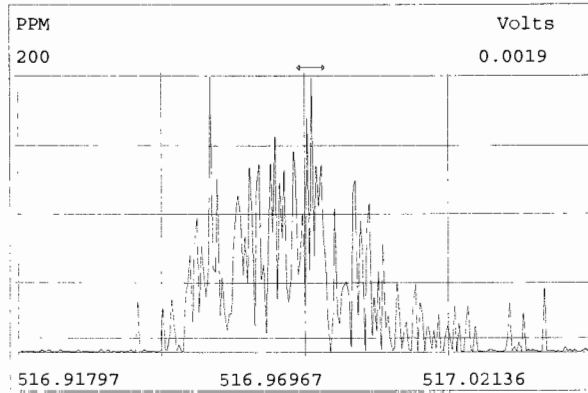
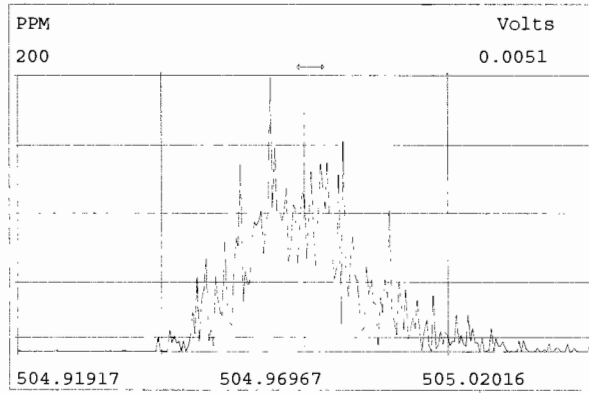
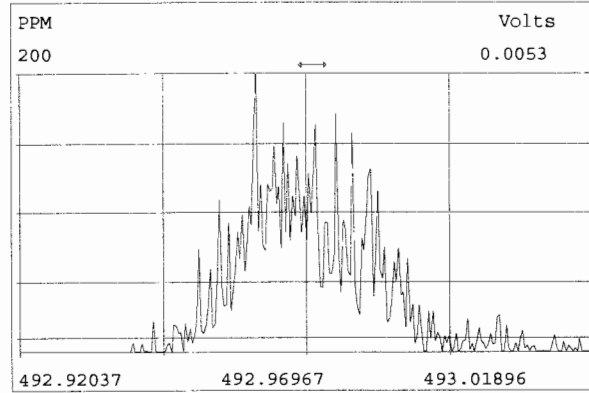
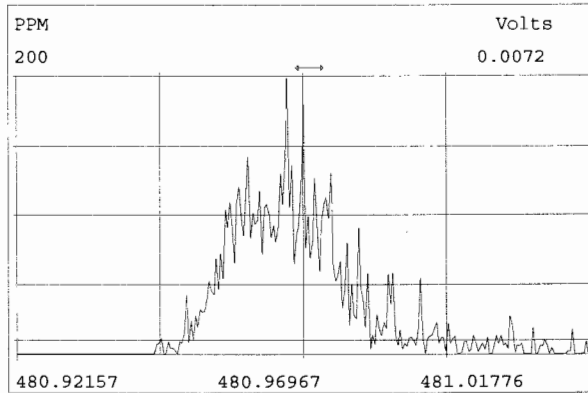
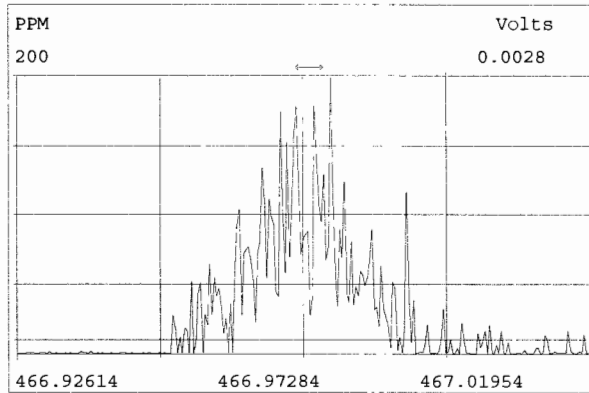
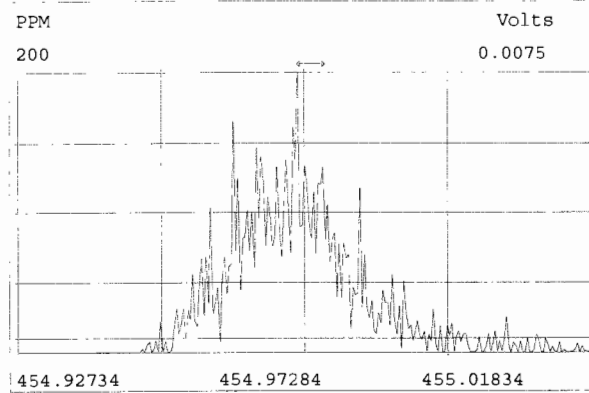
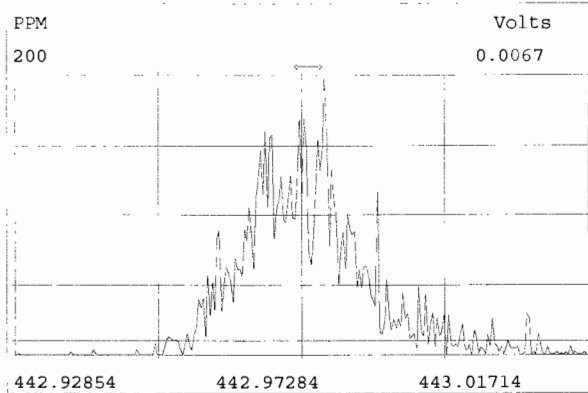
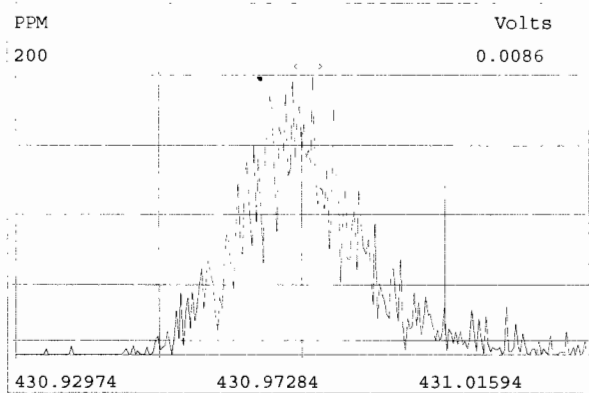
Peak Locate Examination: 9-OCT-2019:16:10 File:191009D1

Experiment:OCDD_DB5 Function:2 Reference:PFK





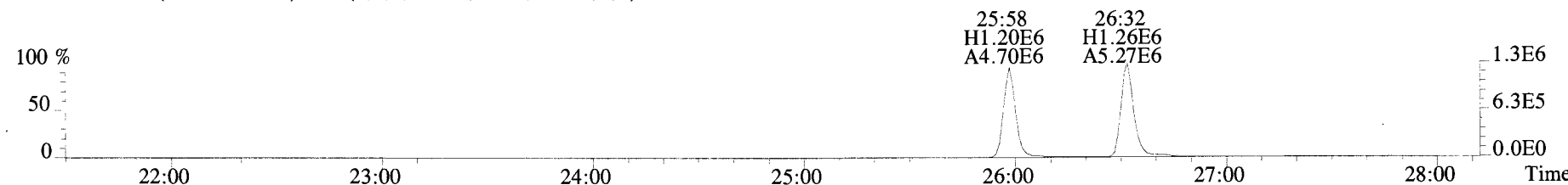
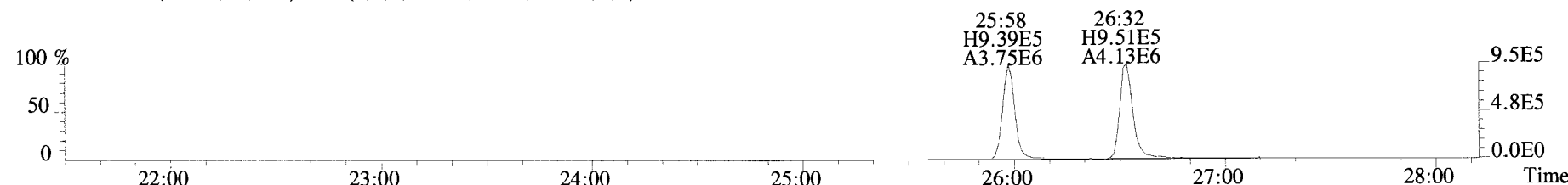
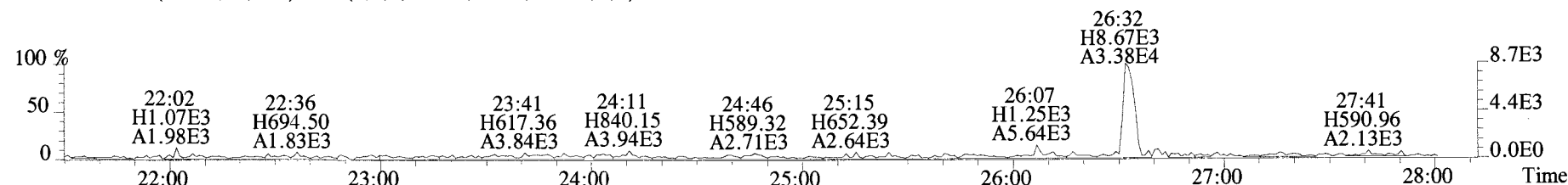
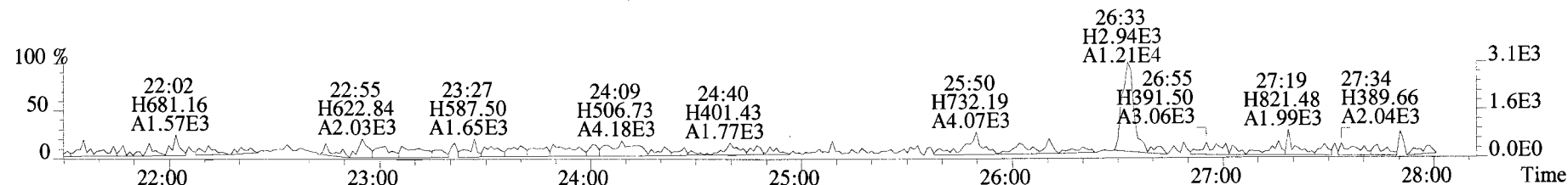
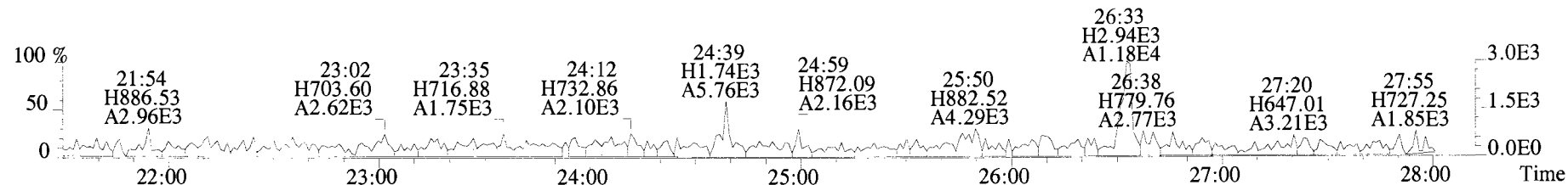




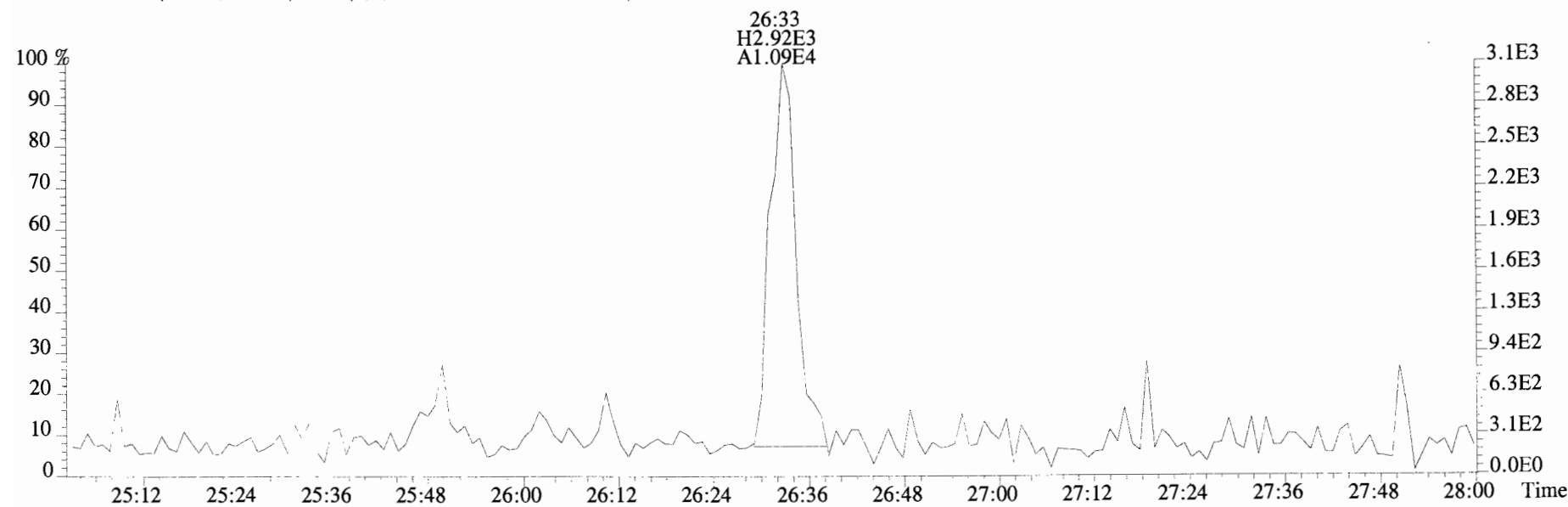
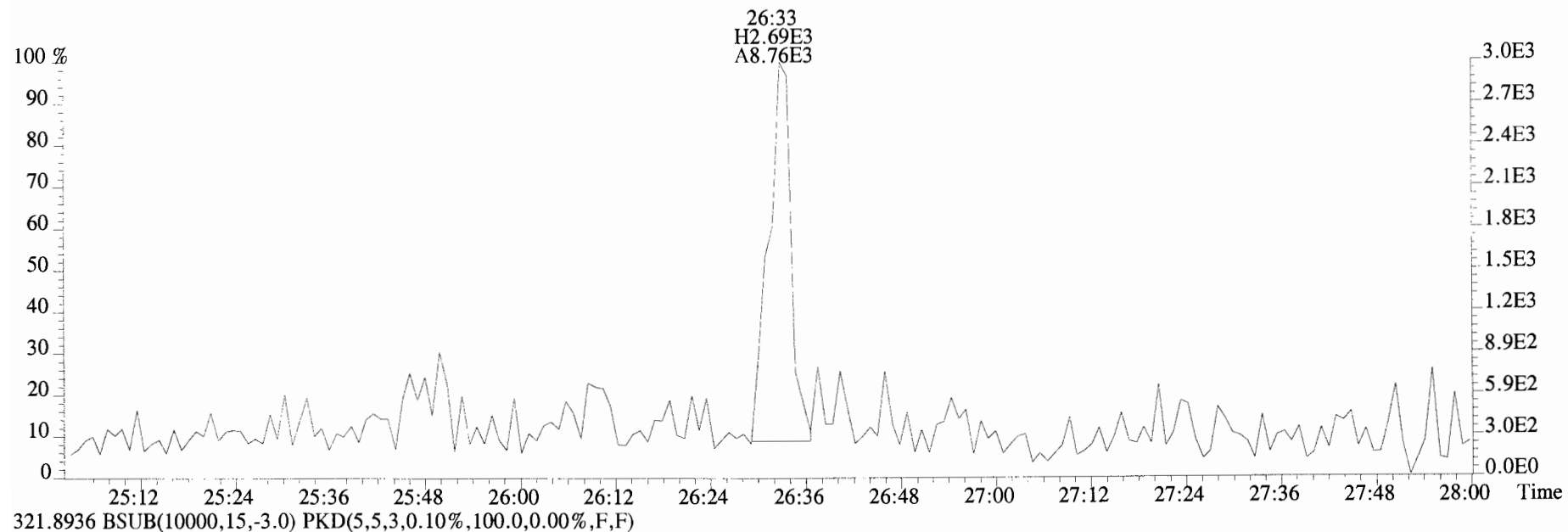
Vista Analytical Laboratory - Injection Log Run file: 191009D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191009D1	1	ST191009D1-1	DB	9-OCT-19	16:13:04	ST191009D1-4	NA
191009D1	2	ST191009D1-2	DB	9-OCT-19	17:00:45	ST191009D1-4	NA
191009D1	3	ST191009D1-3	DB	9-OCT-19	17:48:27	ST191009D1-4	NA
191009D1	4	ST191009D1-4	DB	9-OCT-19	18:36:09	ST191009D1-4	NA
191009D1	5	ST191009D1-5	DB	9-OCT-19	19:23:46	ST191009D1-4	NA
191009D1	6	ST191009D1-6	DB	9-OCT-19	20:11:17	ST191009D1-4	NA
191009D1	7	SOLVENT BLANK	DB	9-OCT-19	20:58:57	ST191009D1-4	NA
191009D1	8	SS191009D1-1	DB	9-OCT-19	21:46:34	ST191009D1-4	NA
191009D1	9	B9J0001-BS1	DB	9-OCT-19	22:34:09	ST191009D1-4	NA
191009D1	10	SOLVENT BLANK	DB	9-OCT-19	23:21:45	ST191009D1-4	NA
191009D1	11	B9J0001-BLK1	DB	10-OCT-19	00:09:30	ST191009D1-4	NA
191009D1	12	QC191007D1-1	DB	10-OCT-19	00:57:00	ST191009D1-4	NA
191009D1	13	1903285-08	DB	10-OCT-19	01:44:36	ST191009D1-4	NA
191009D1	14	1903285-09	DB	10-OCT-19	02:32:11	ST191009D1-4	NA
191009D1	15	1903285-10	DB	10-OCT-19	03:19:47	ST191009D1-4	NA
191009D1	16	1903103-02@5X	DB	10-OCT-19	04:07:23	ST191009D1-4	NA
191009D1	17	1903103-01@5X	DB	10-OCT-19	04:54:54	ST191009D1-4	NA
191009D1	18	B9I0240-DUP1@5X	DB	10-OCT-19	05:42:38	ST191009D1-4	NA

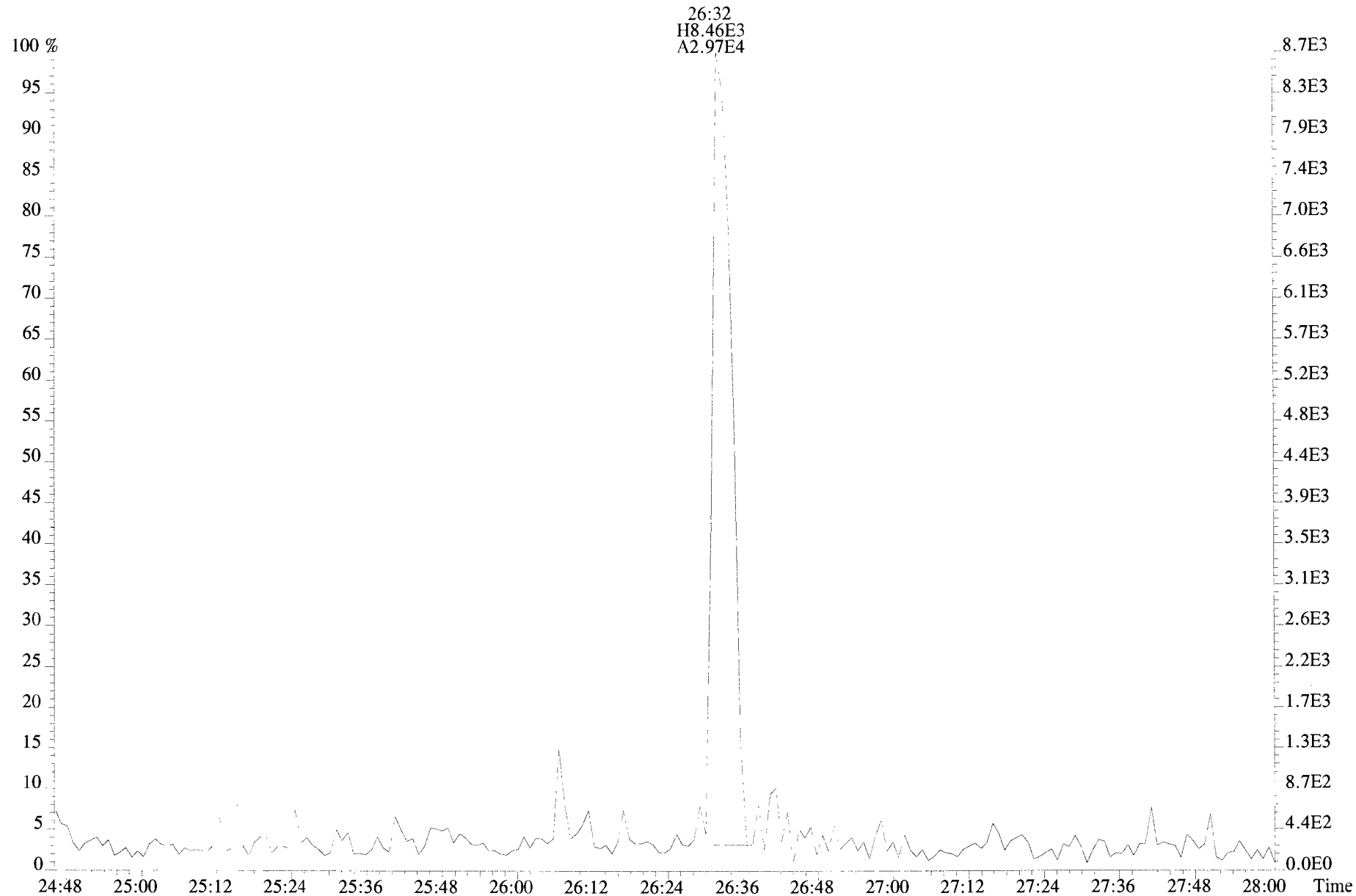
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



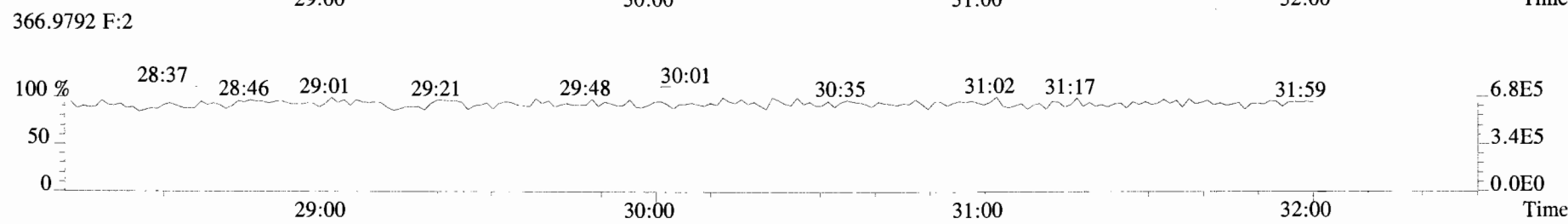
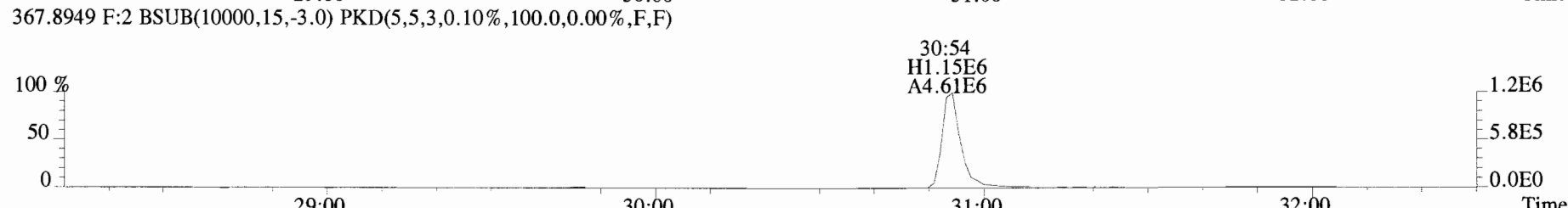
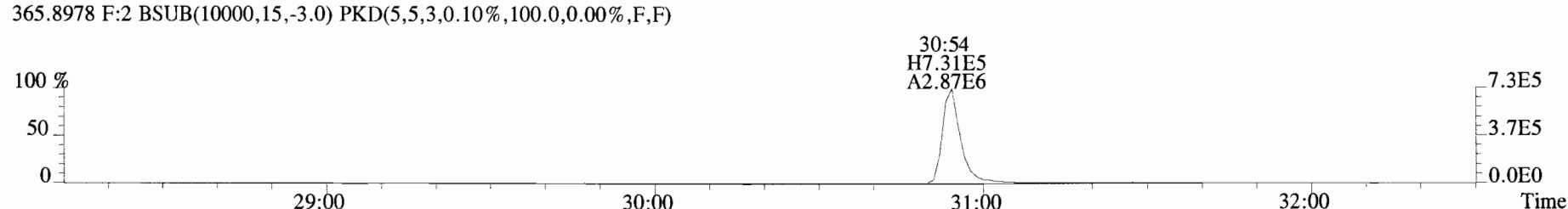
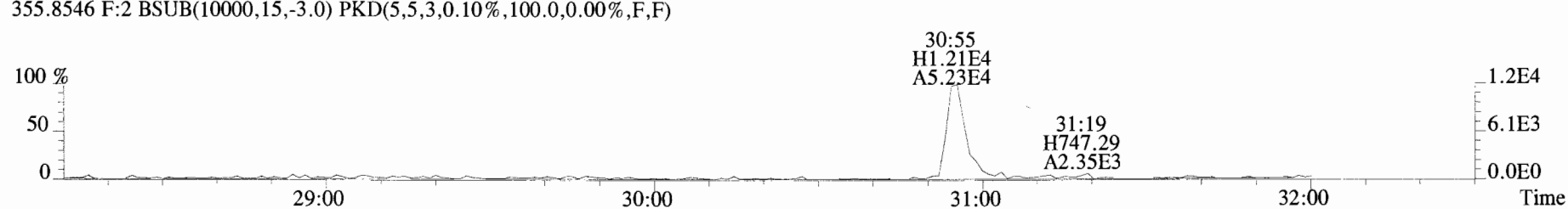
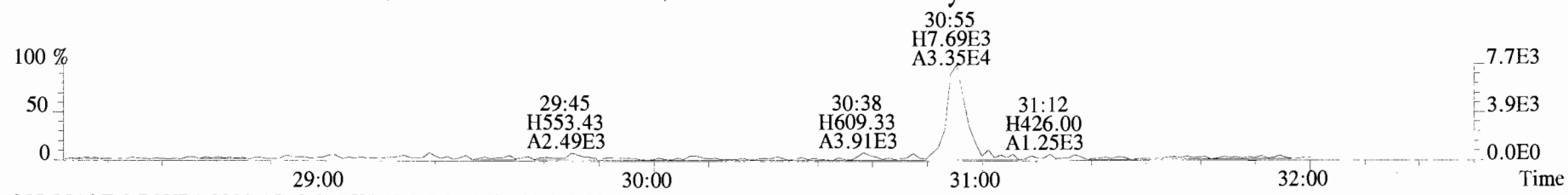
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



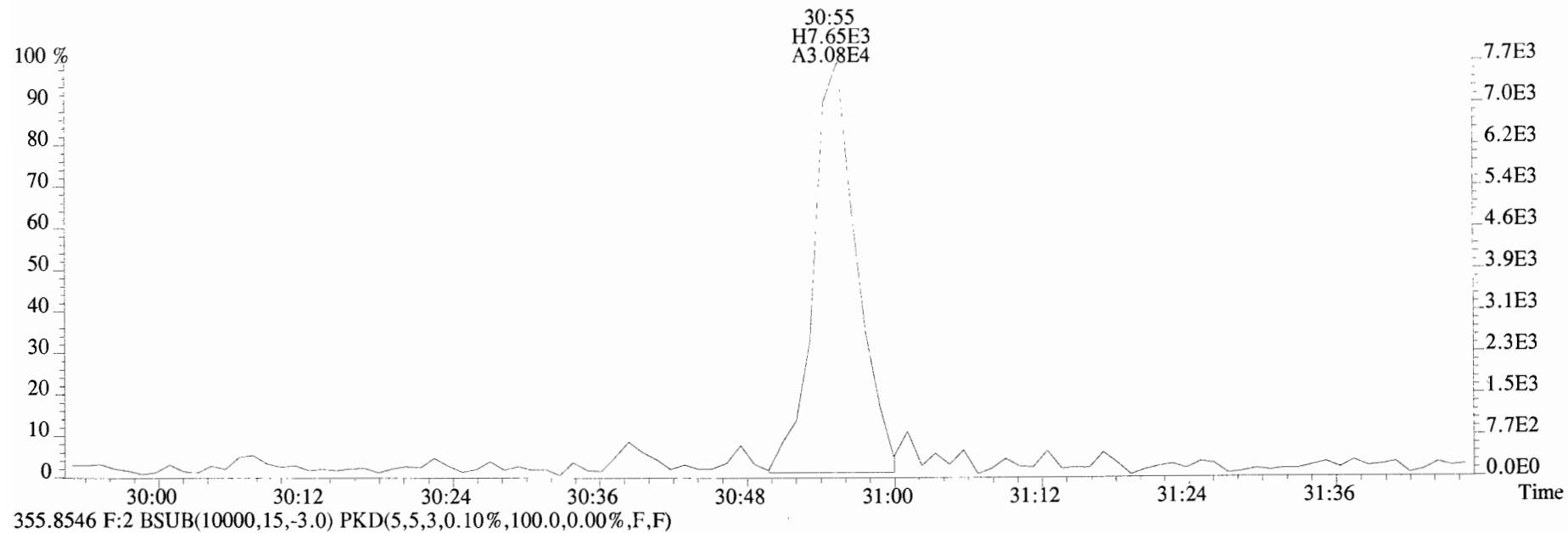
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
327.8847 BSUB(10000,15,-3.0)



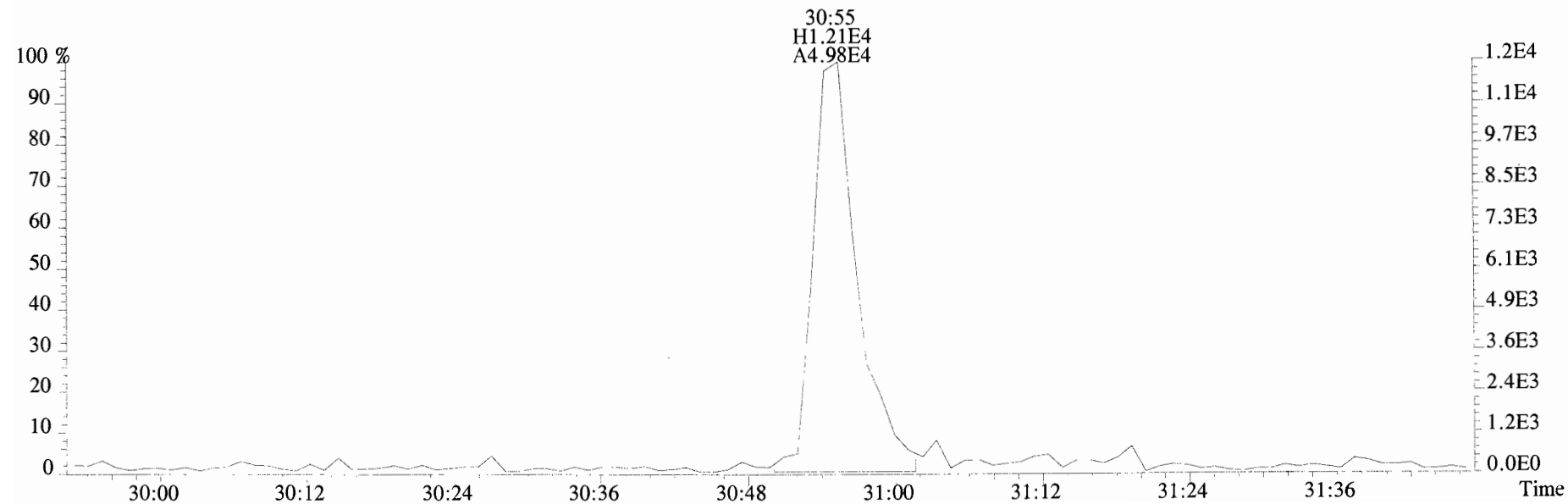
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



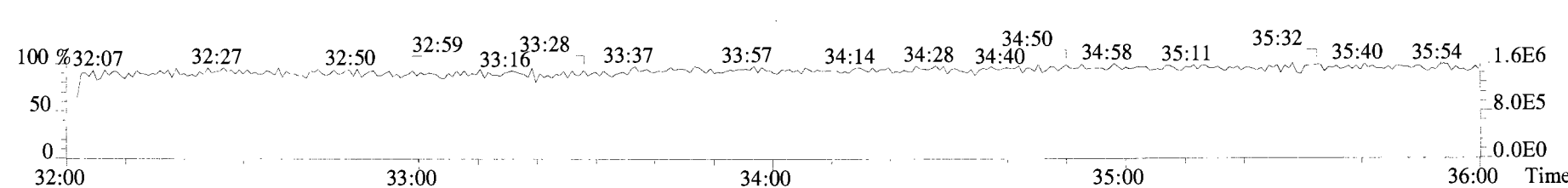
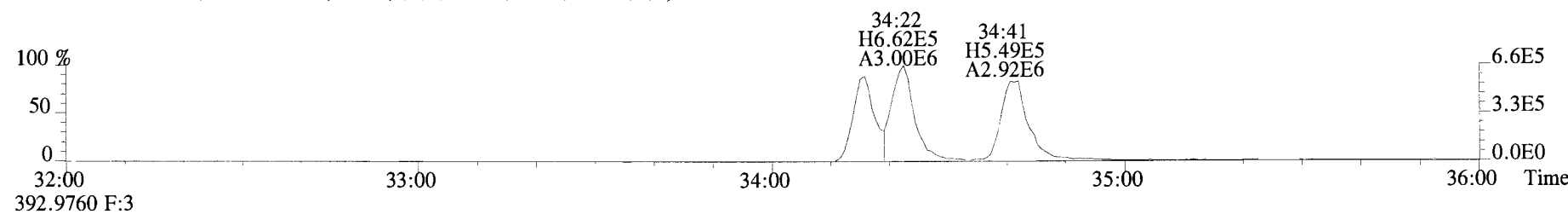
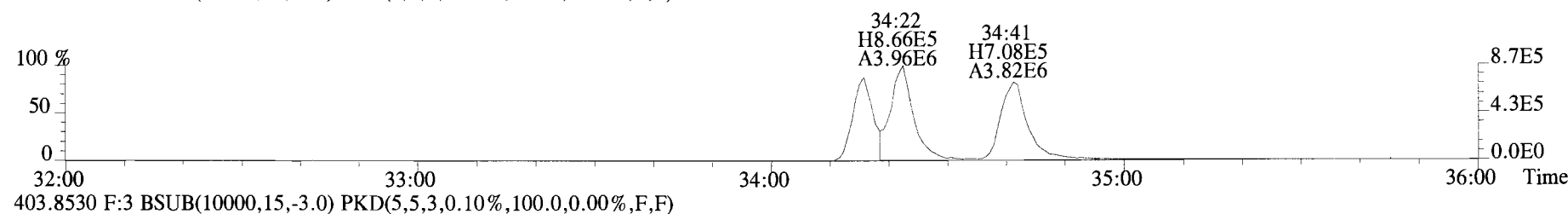
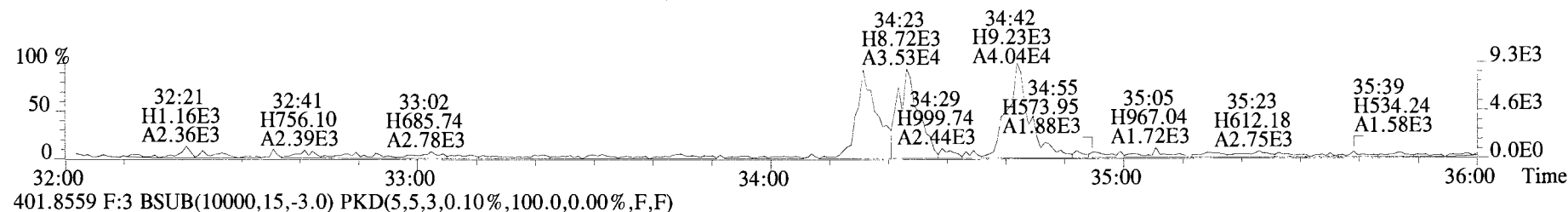
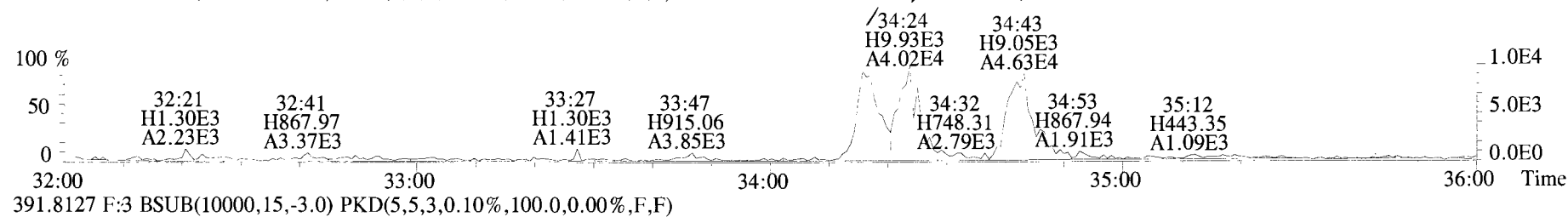
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



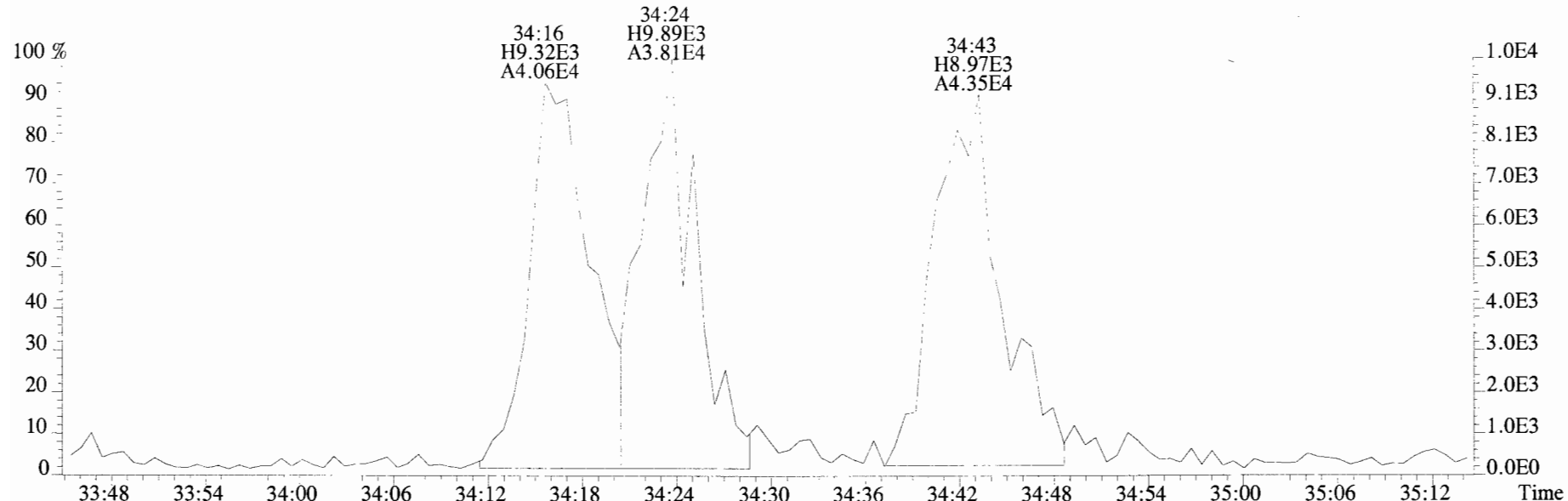
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



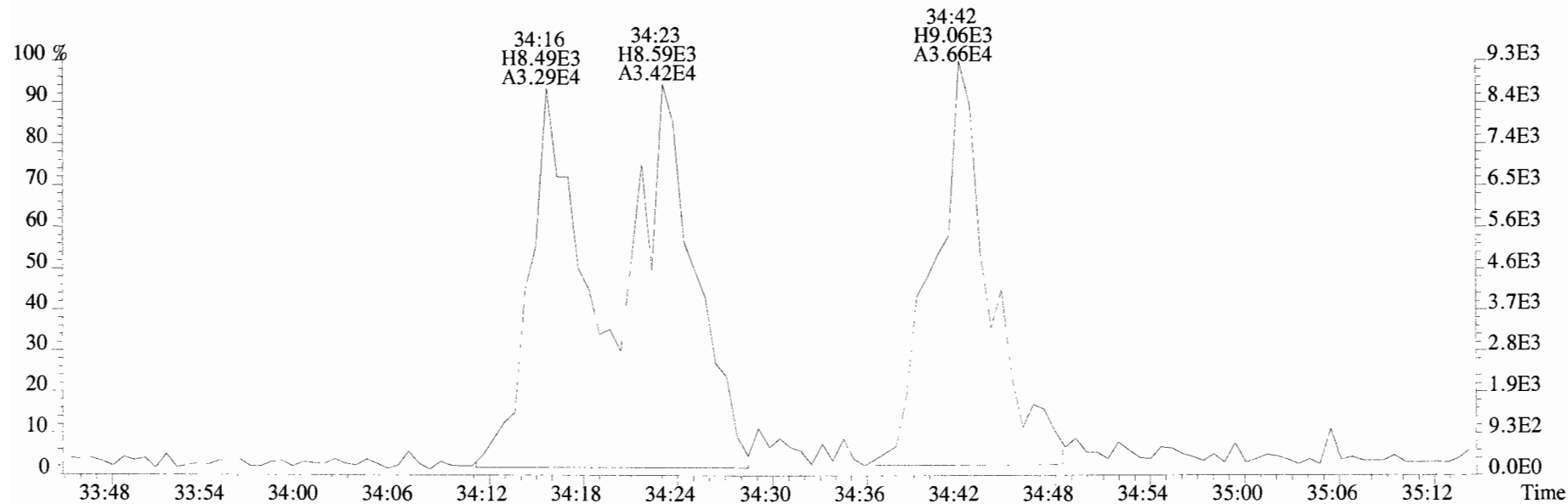
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



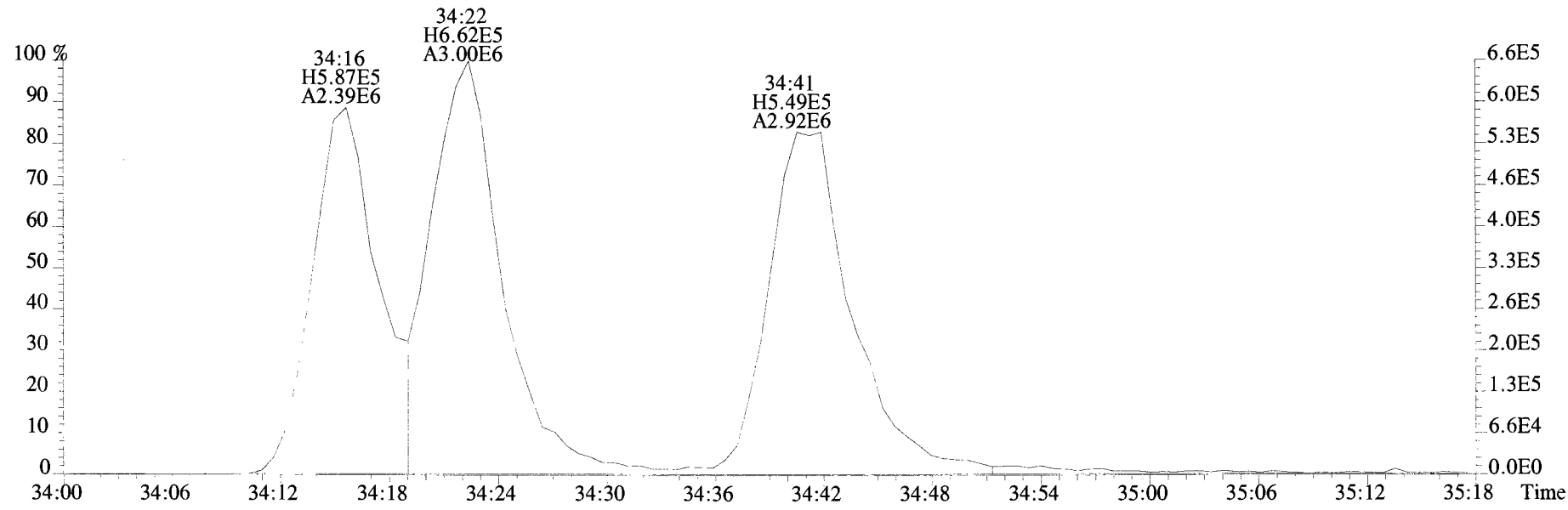
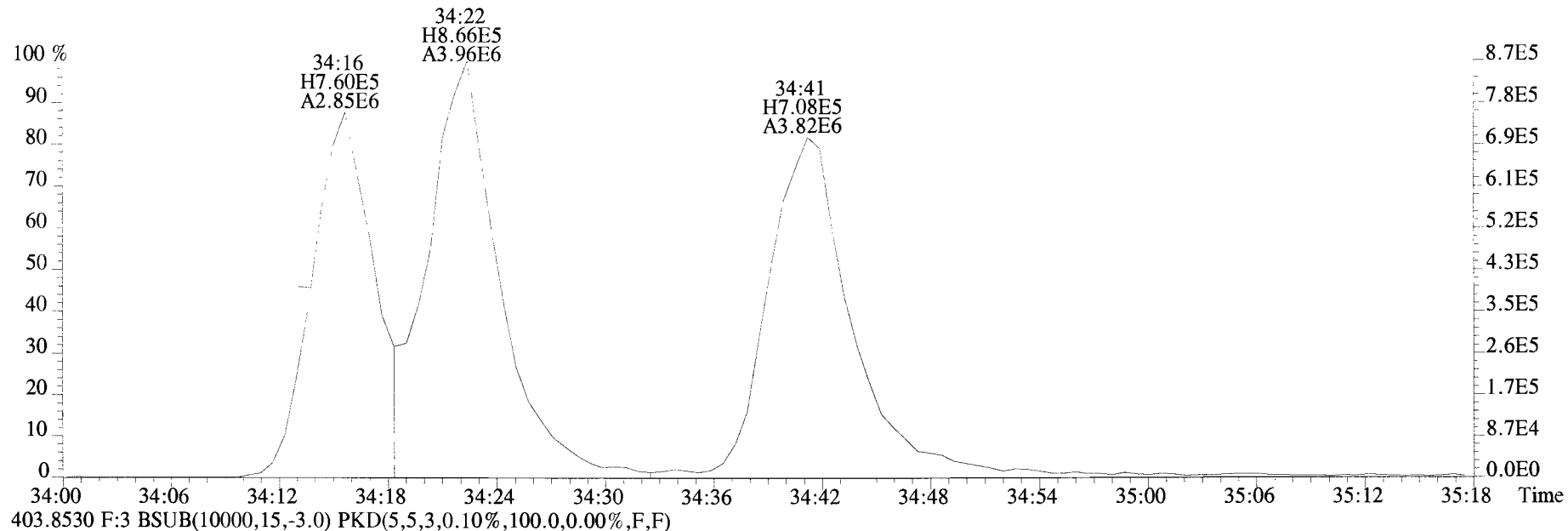
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



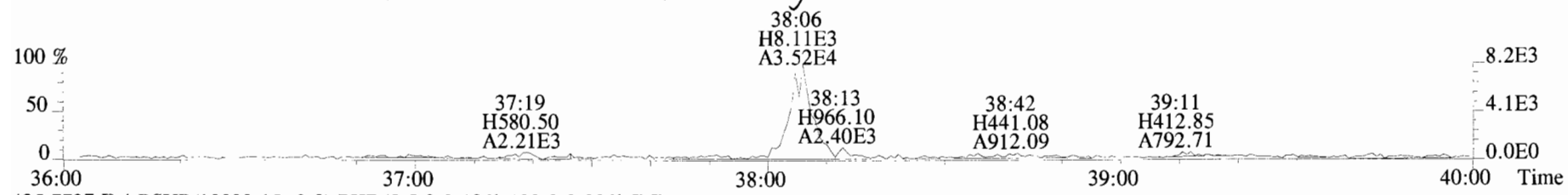
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



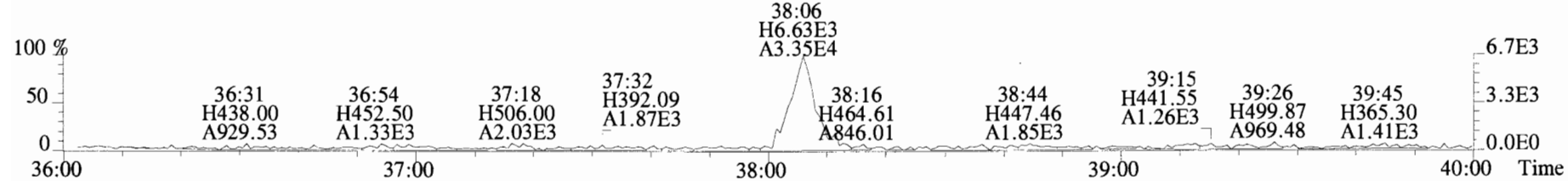
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



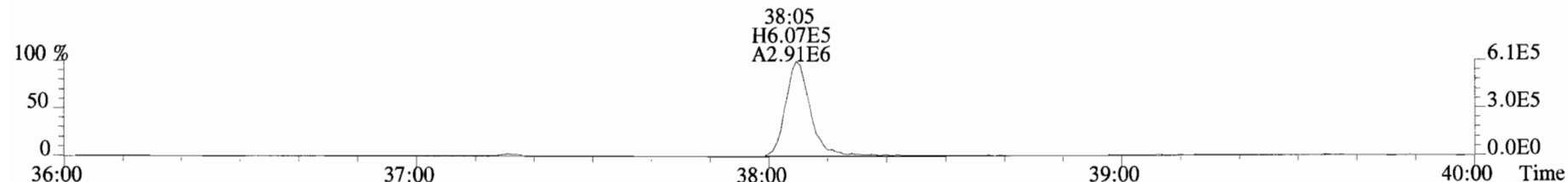
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



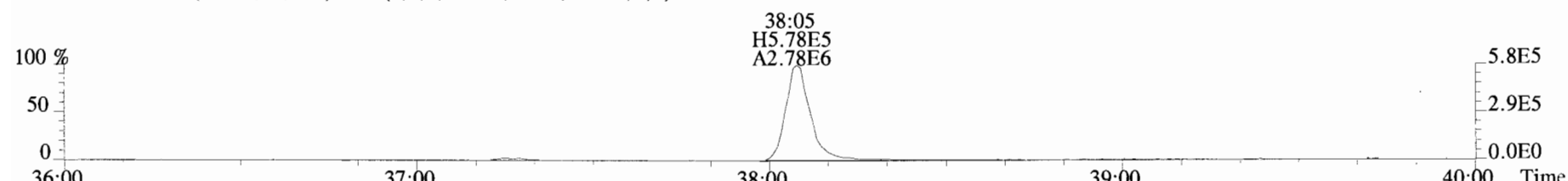
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



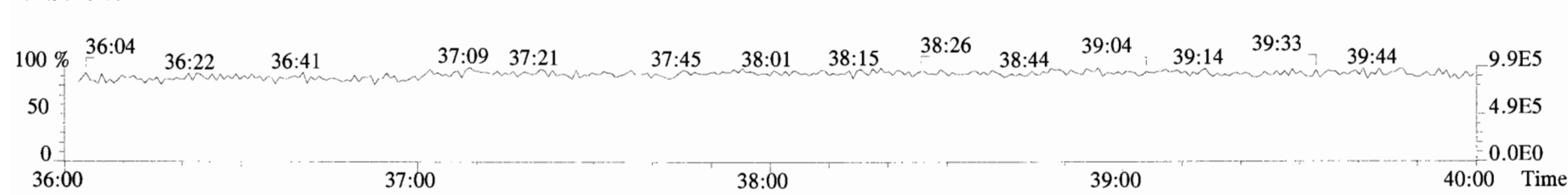
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



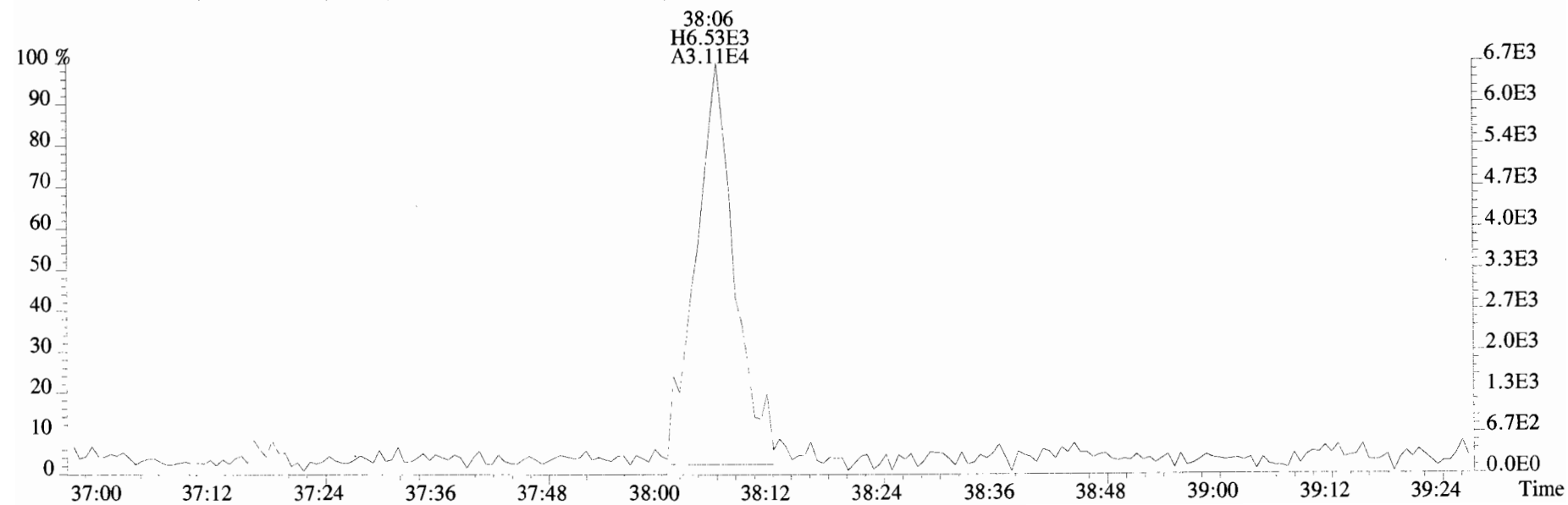
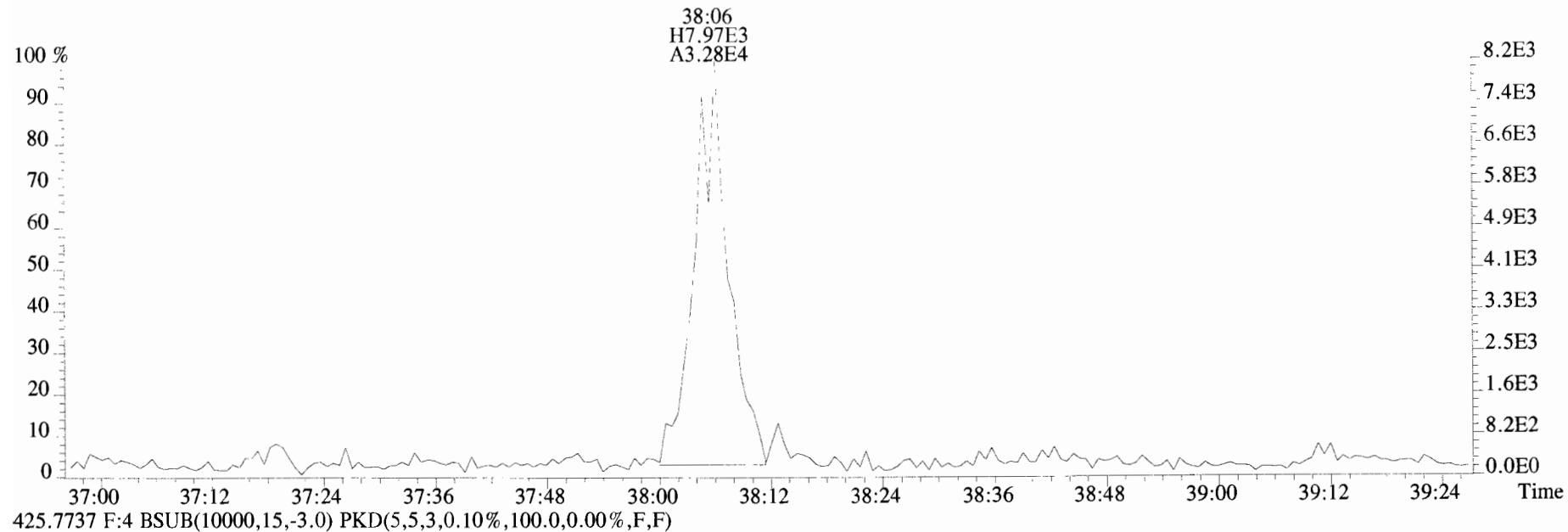
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



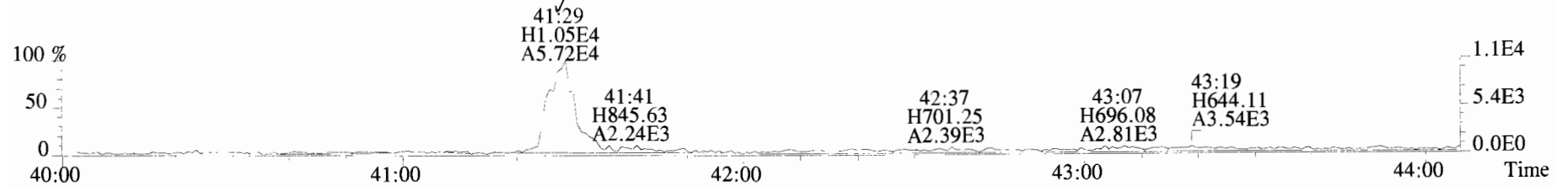
454.9728 F:4



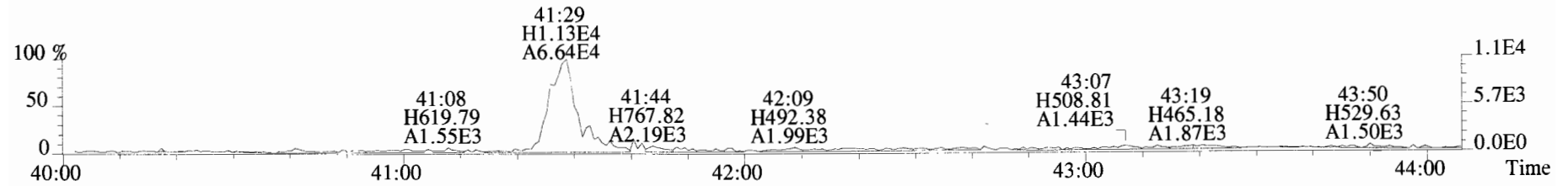
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



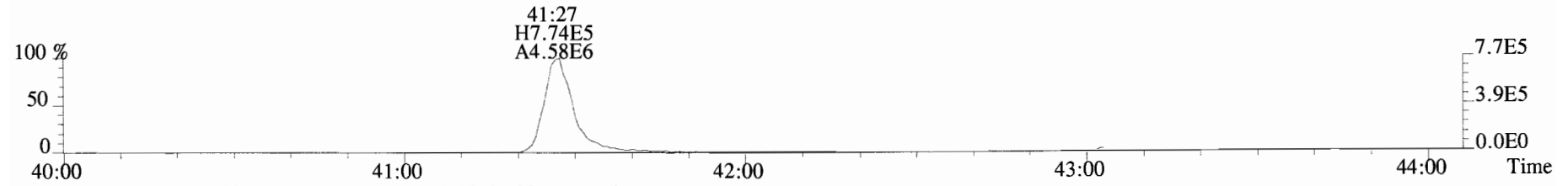
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



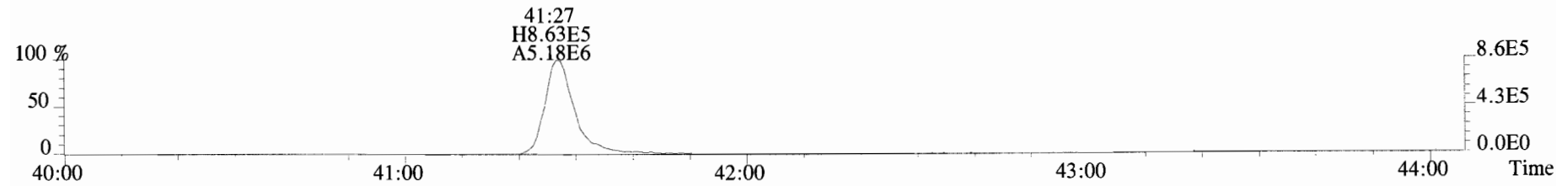
459.7348 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



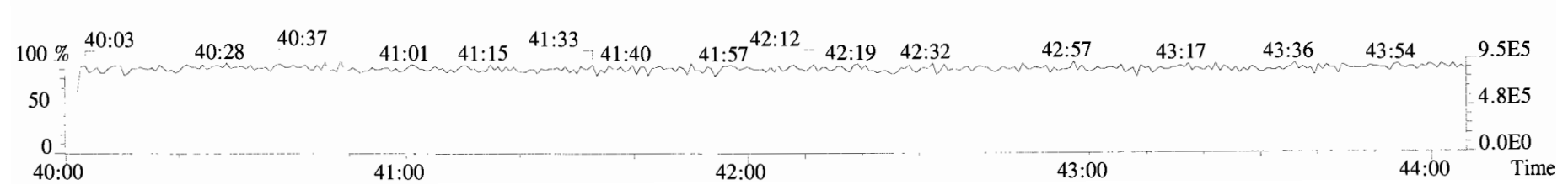
469.7780 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



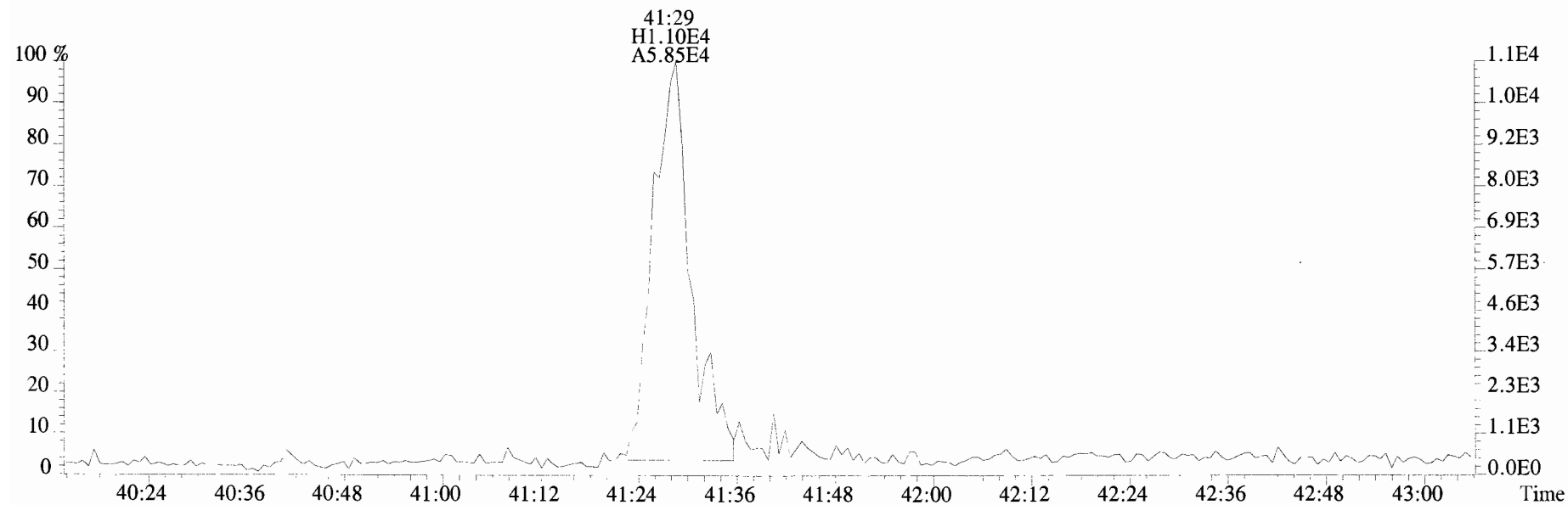
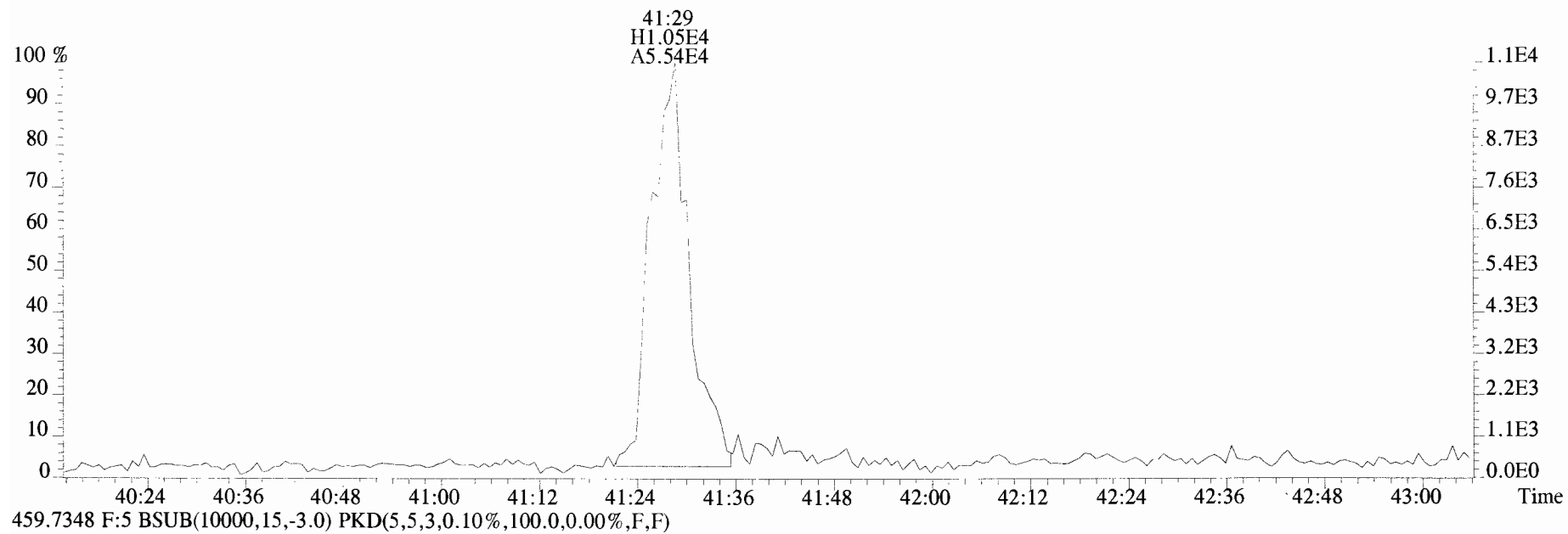
471.7750 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



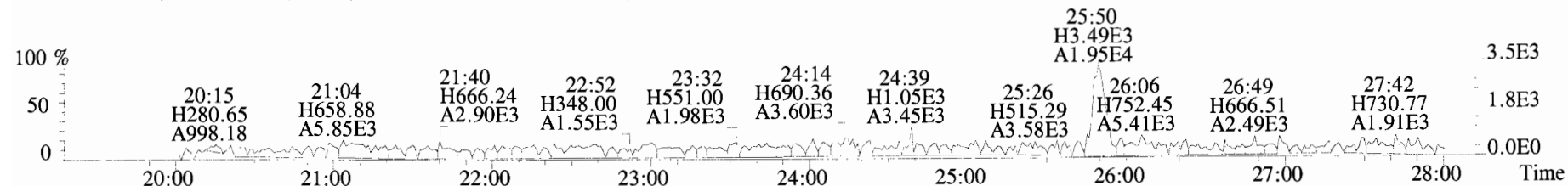
454.9728 F:5



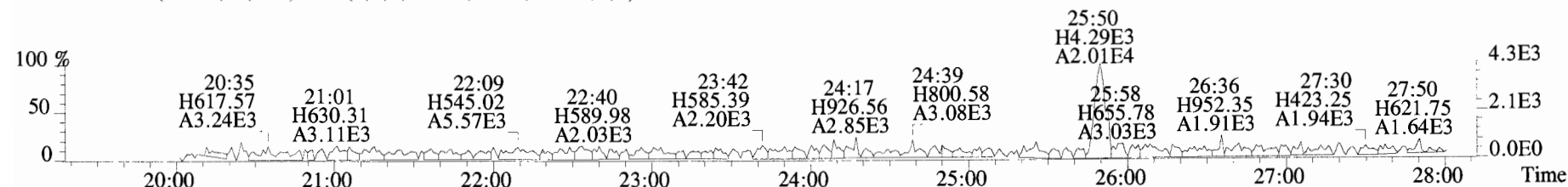
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



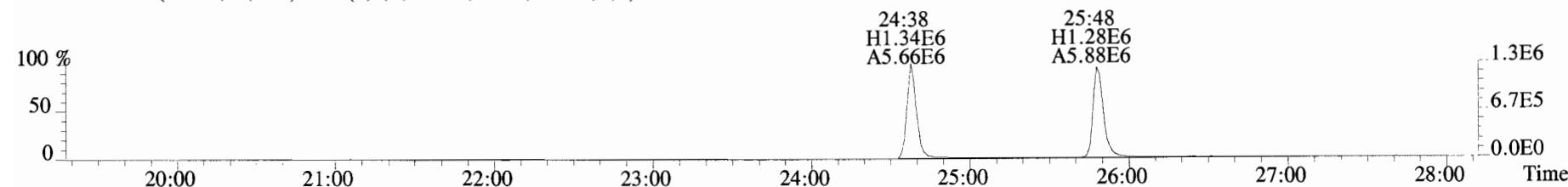
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



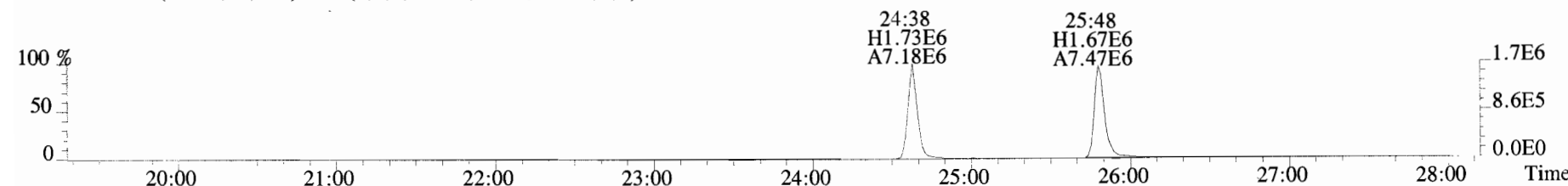
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



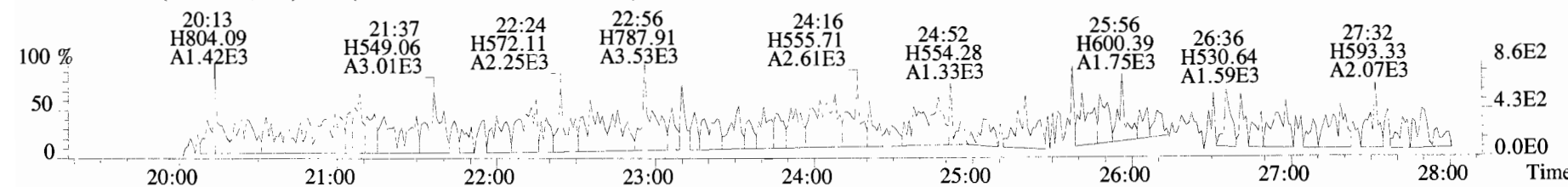
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



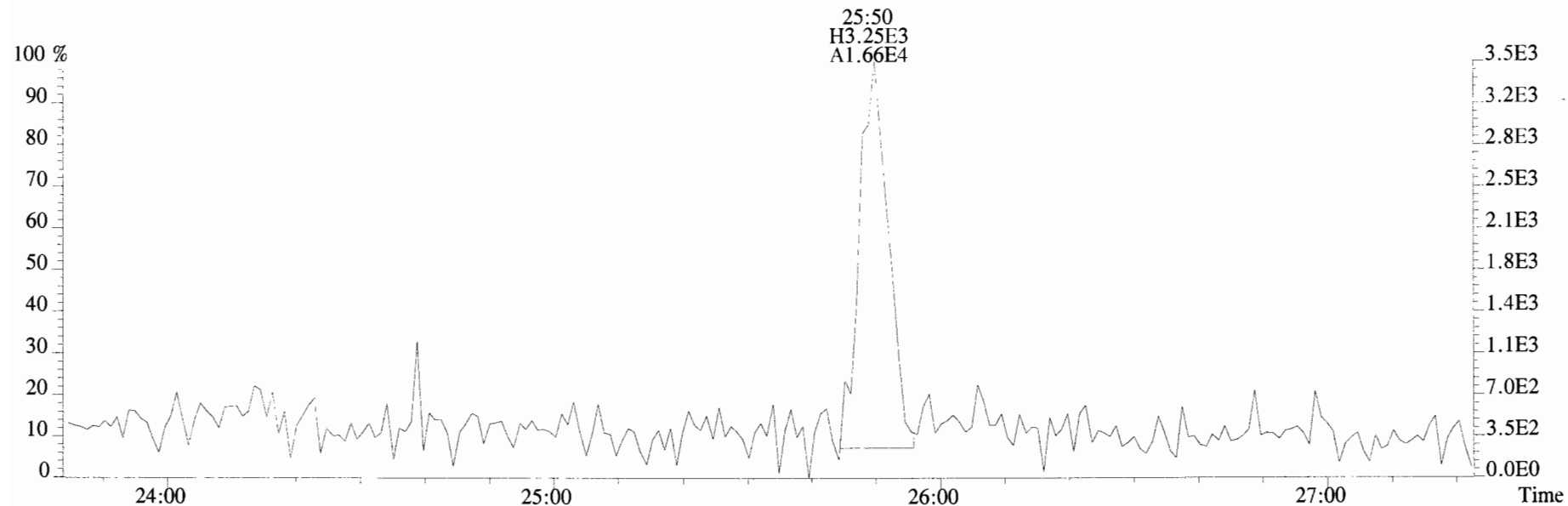
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



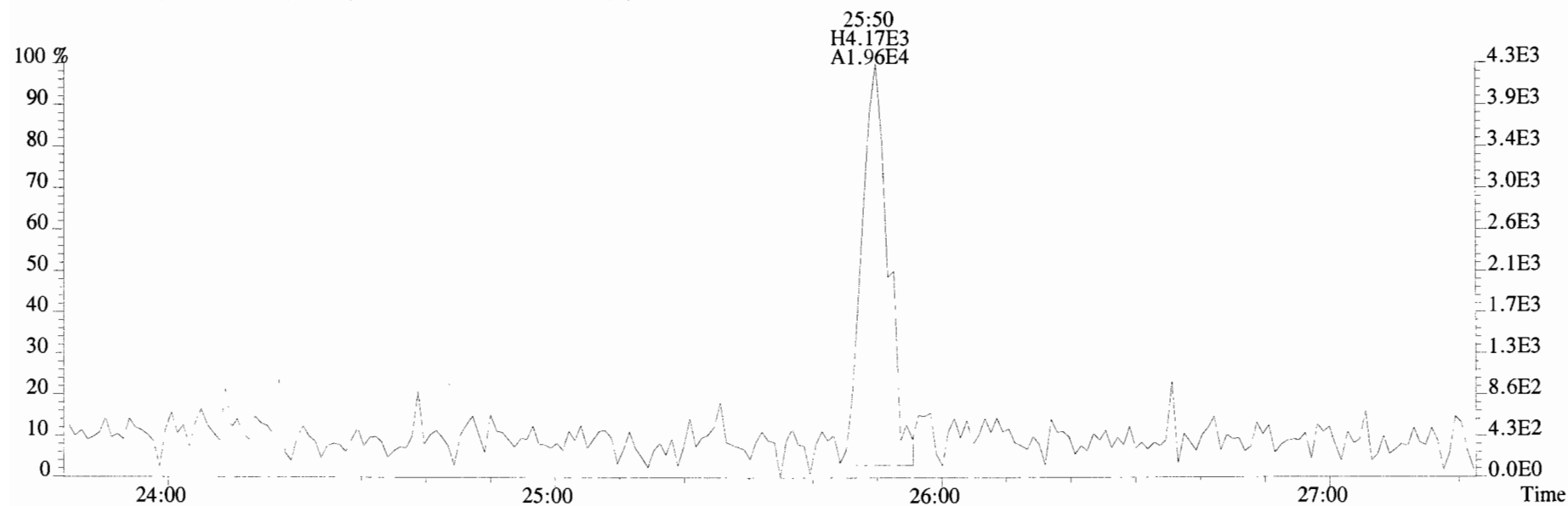
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



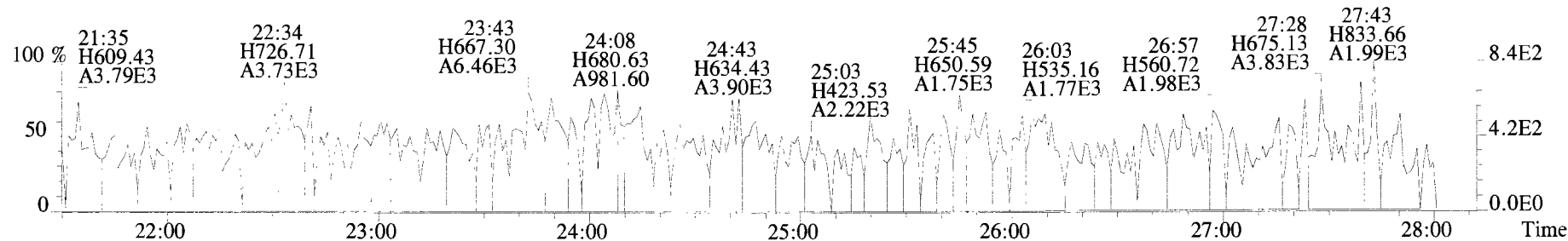
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



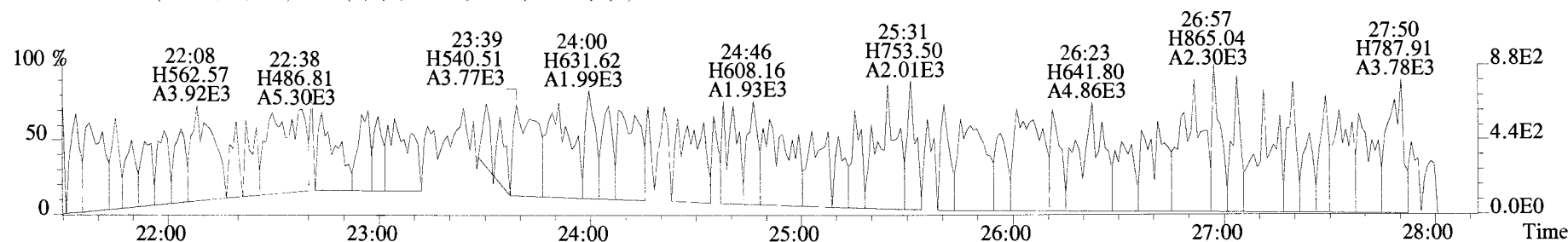
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



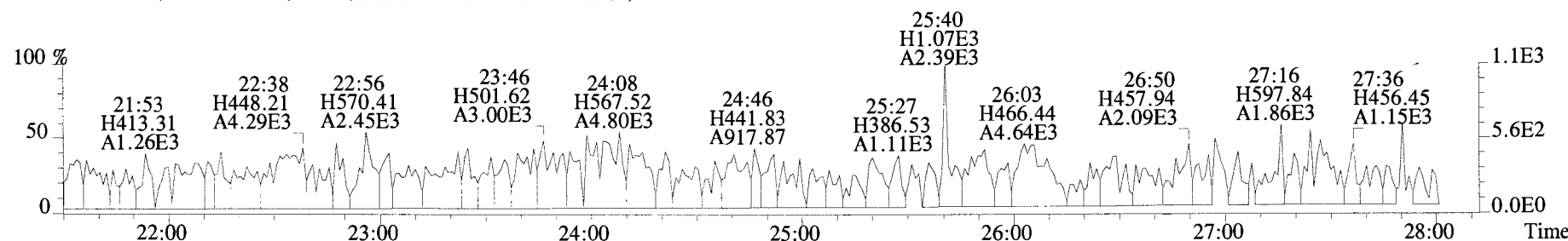
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



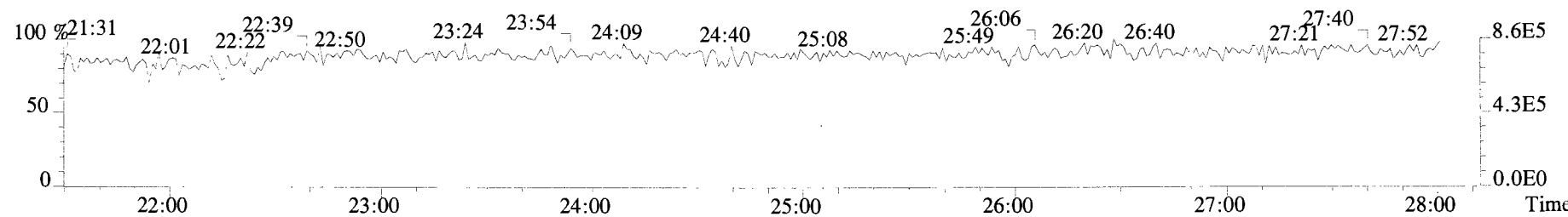
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



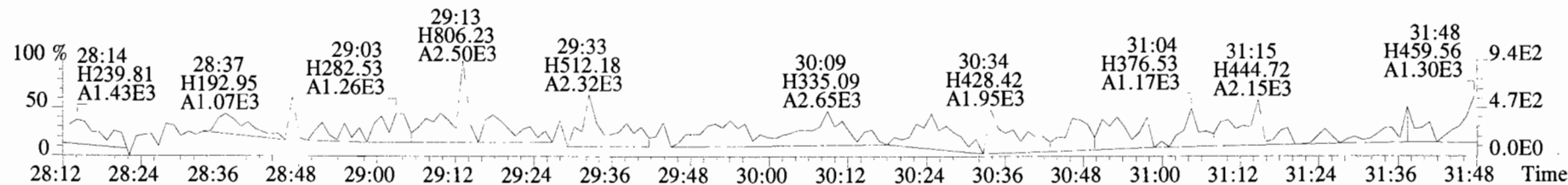
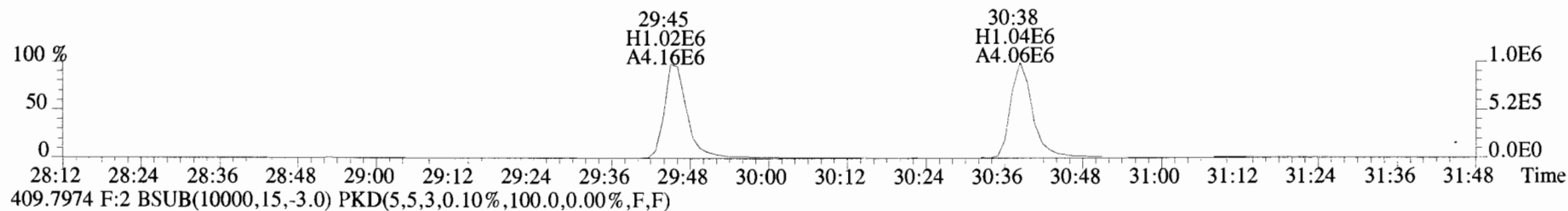
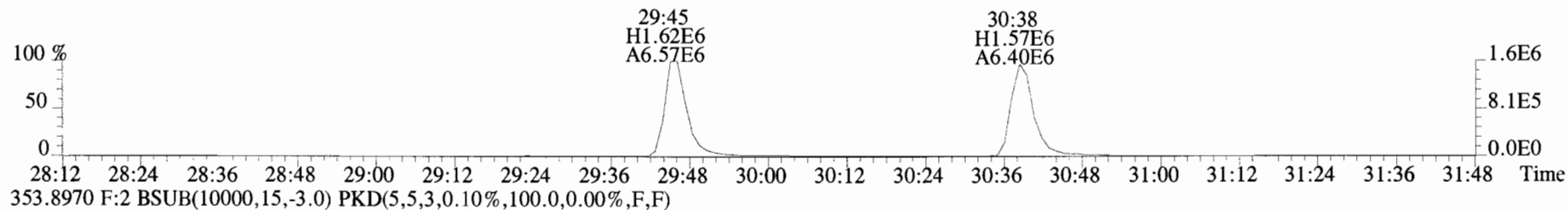
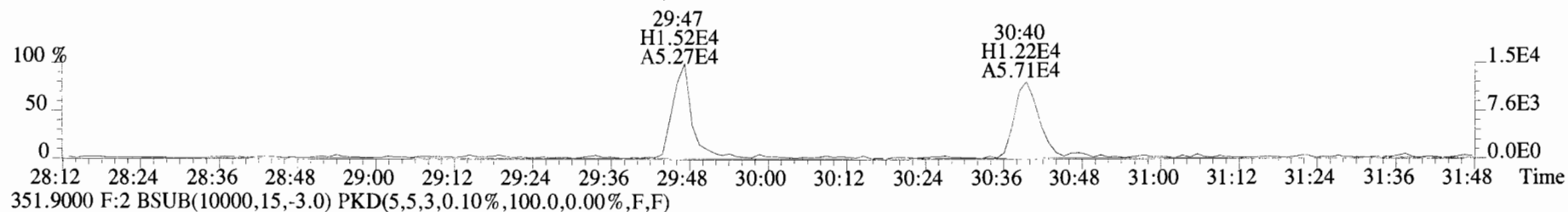
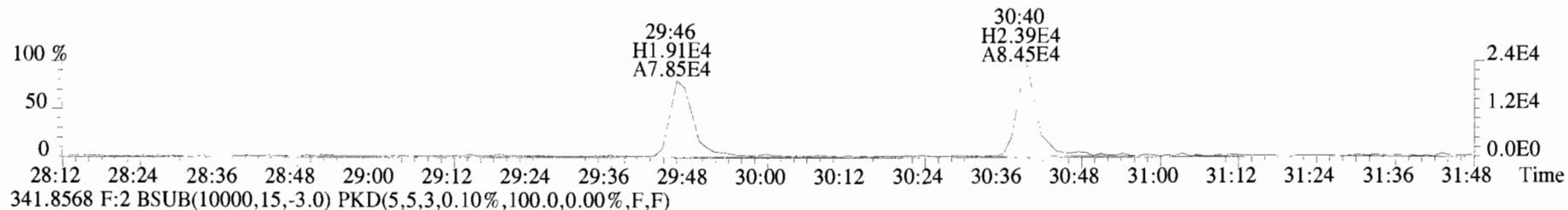
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



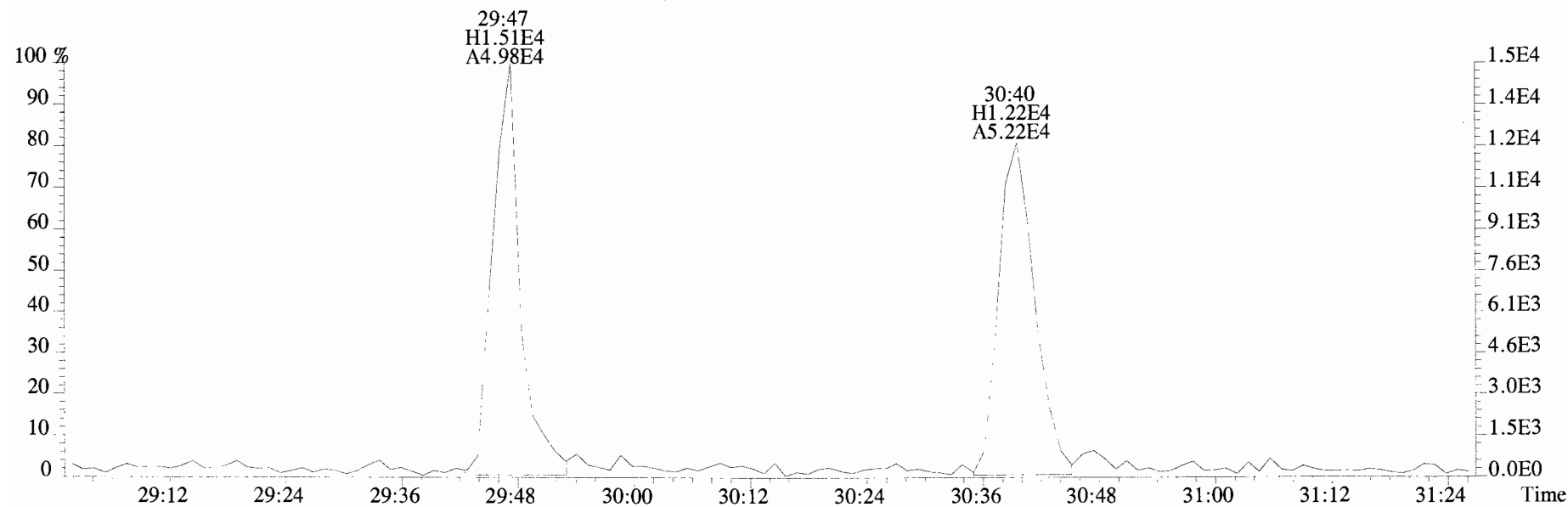
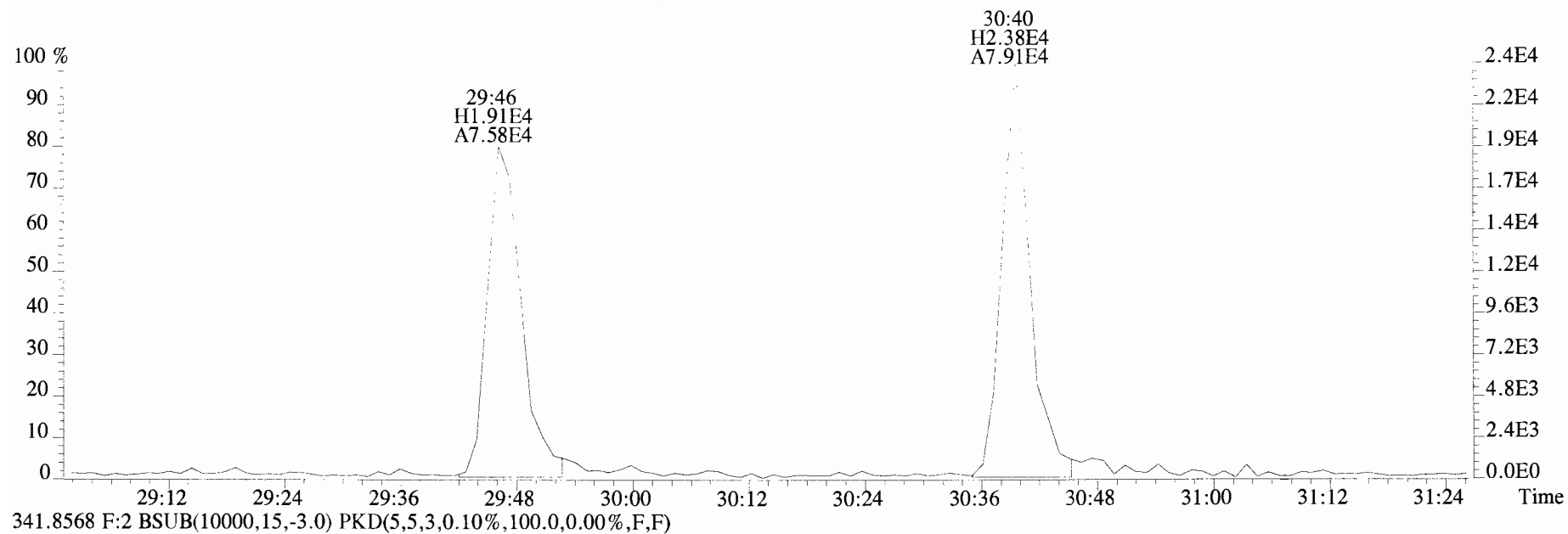
316.9824



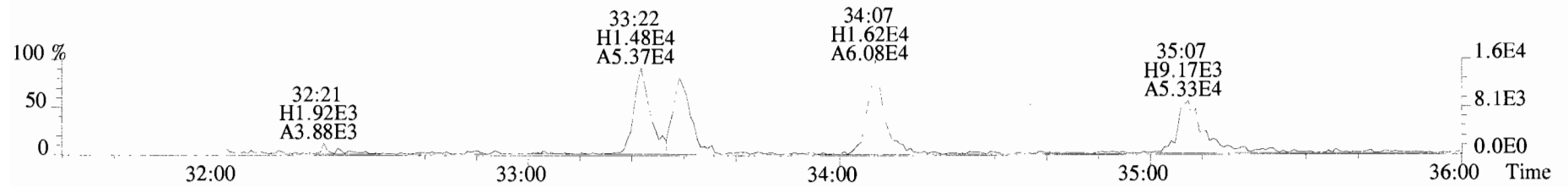
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



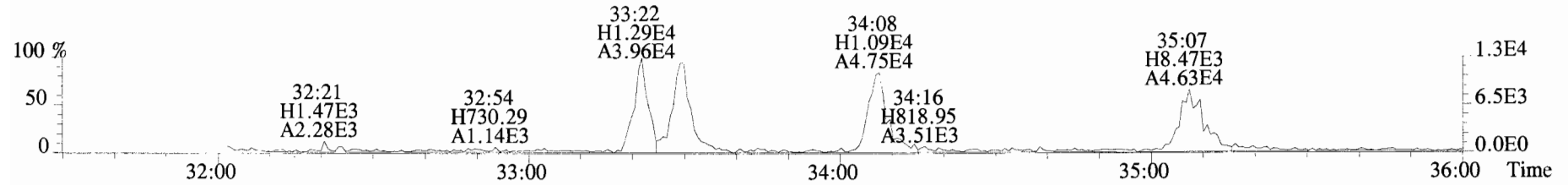
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



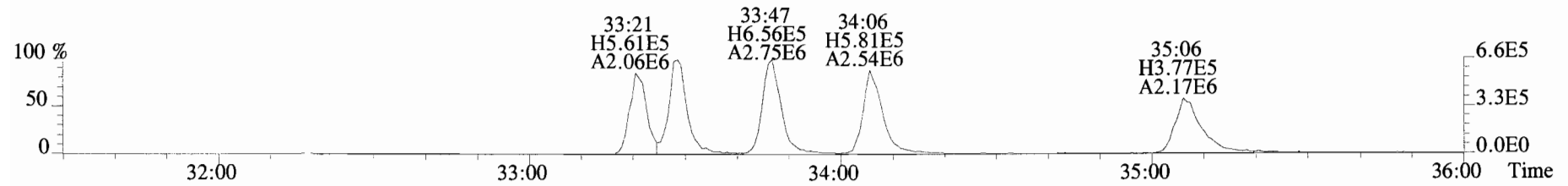
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



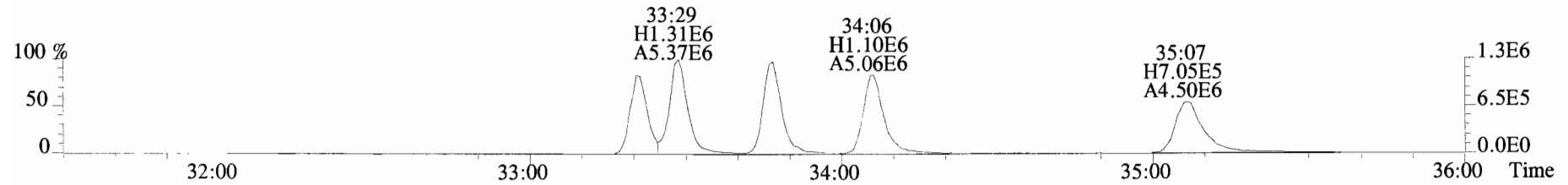
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



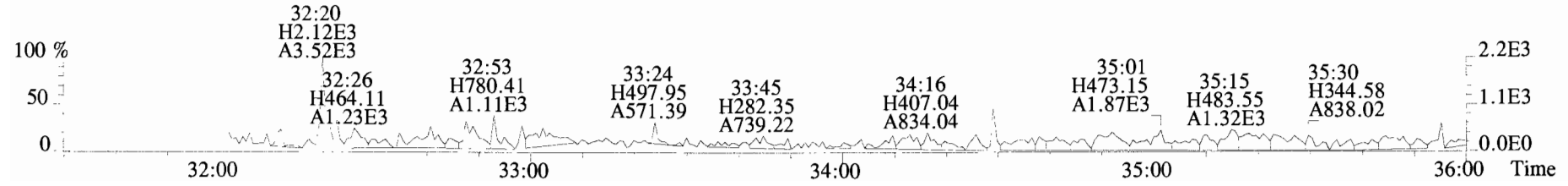
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



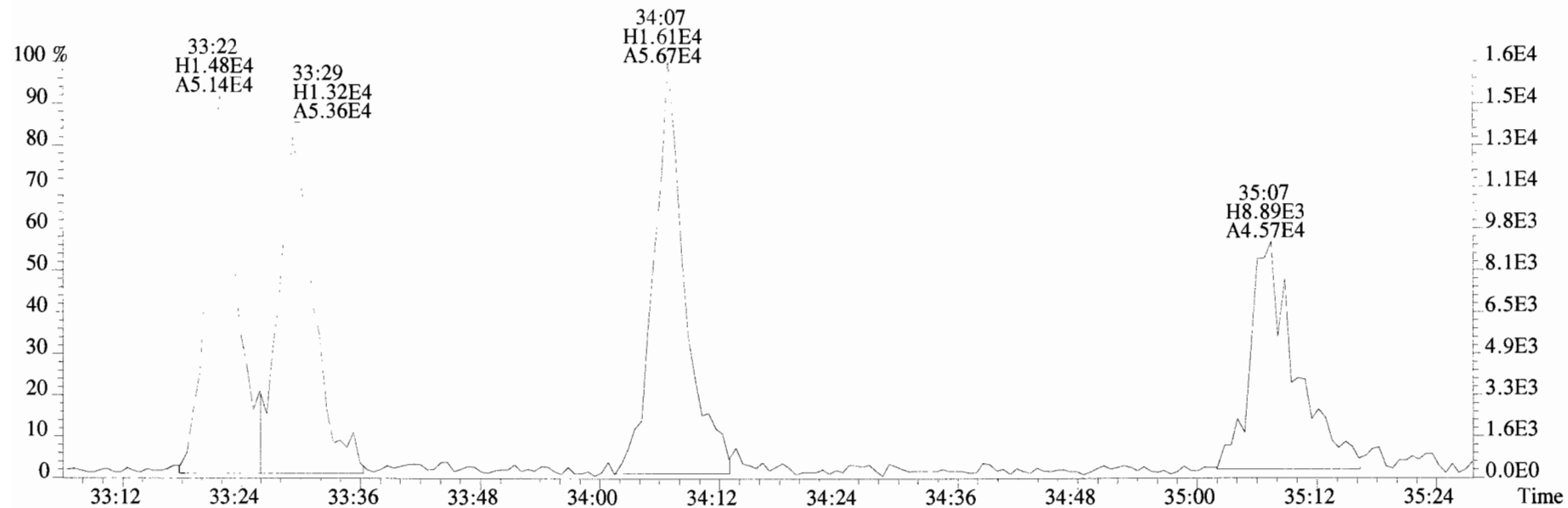
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



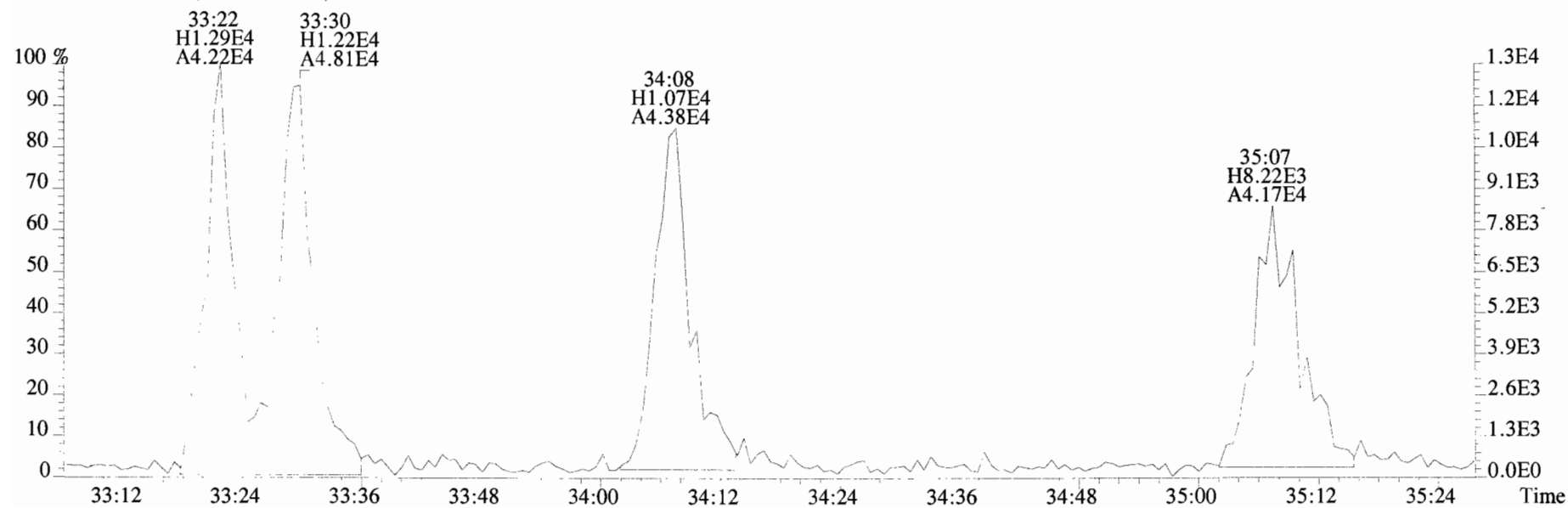
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



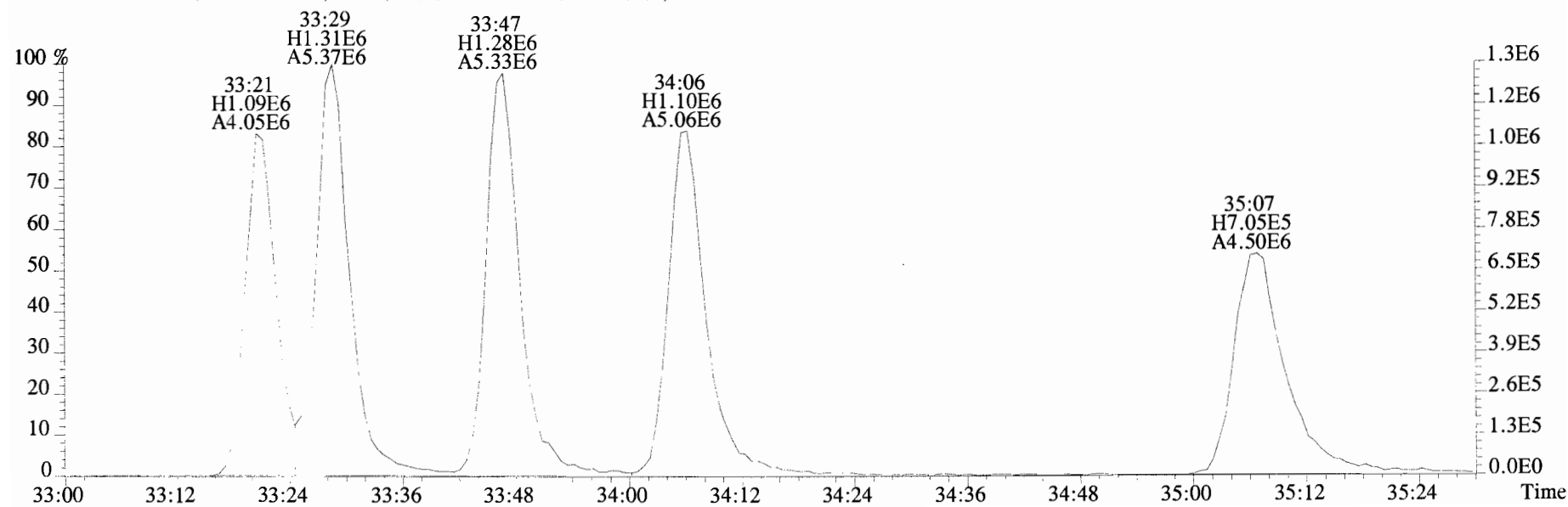
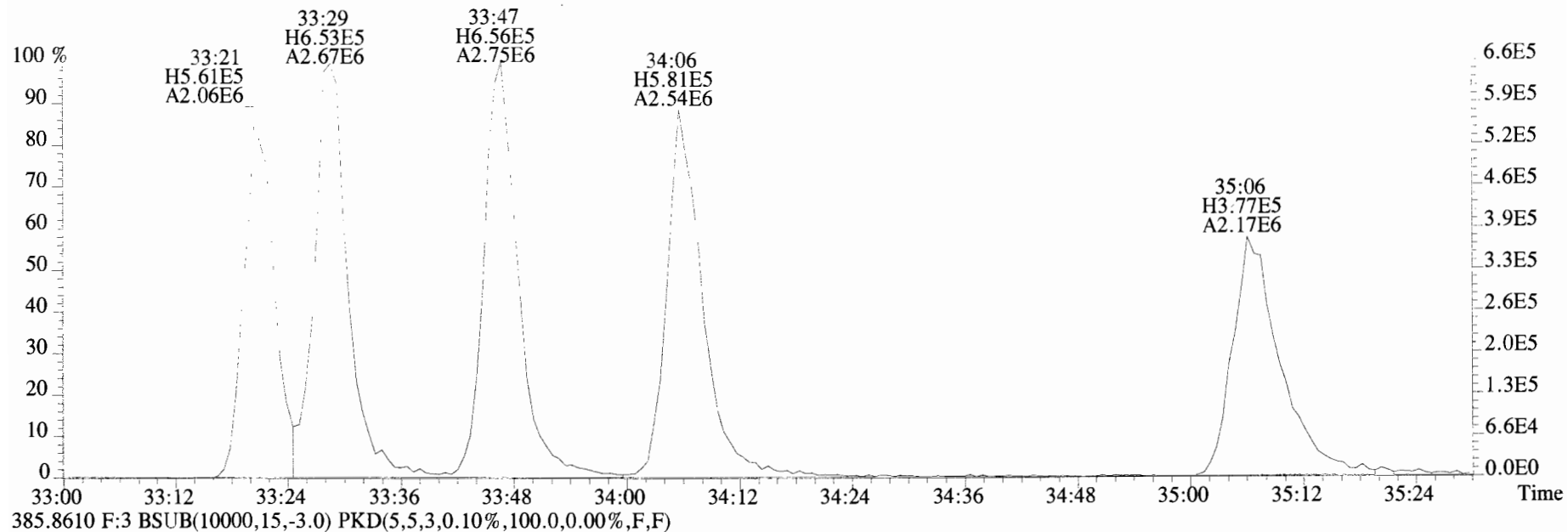
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
373.8207 F:3 BSUB(10000,15,-3.0)



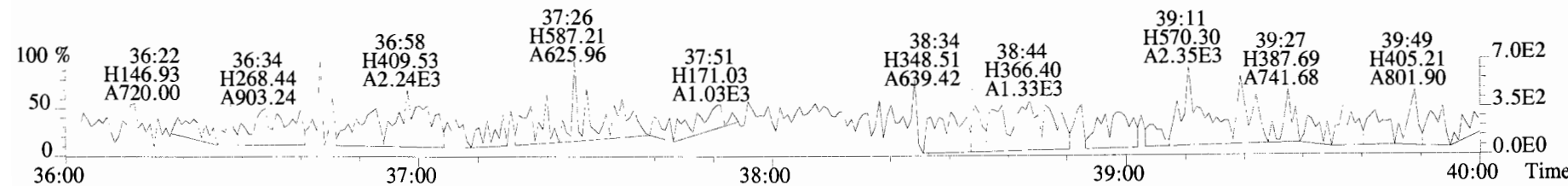
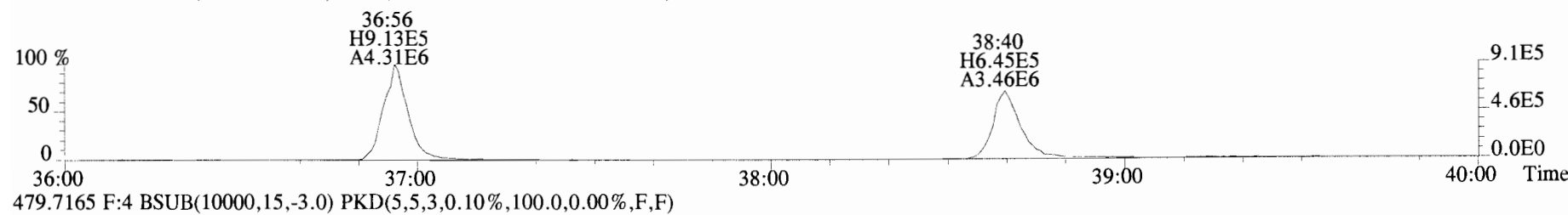
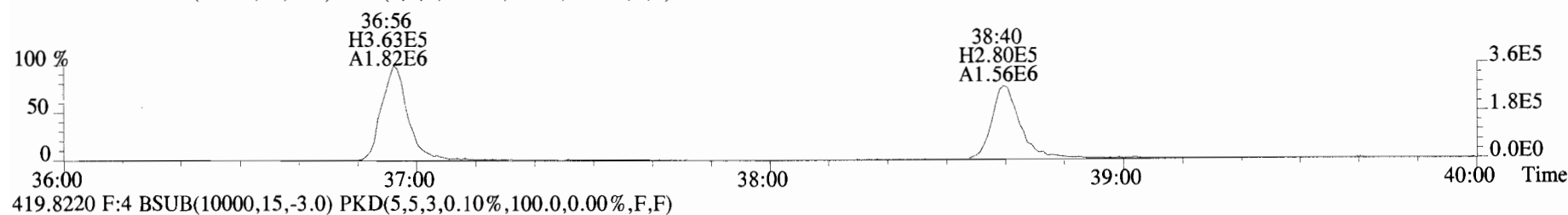
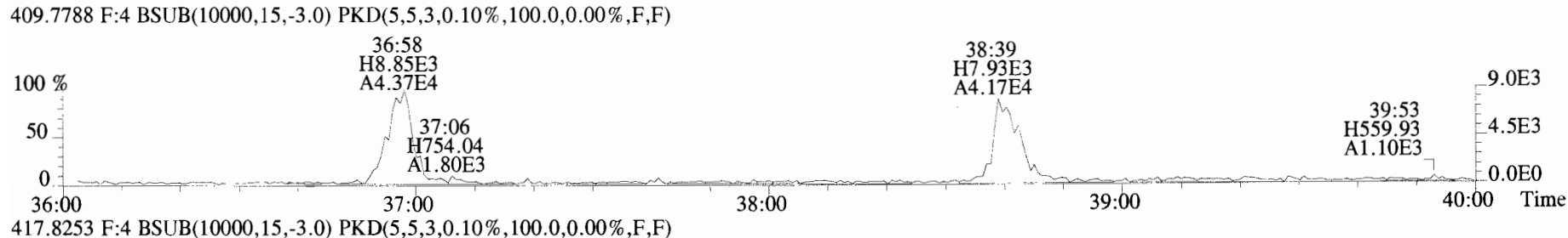
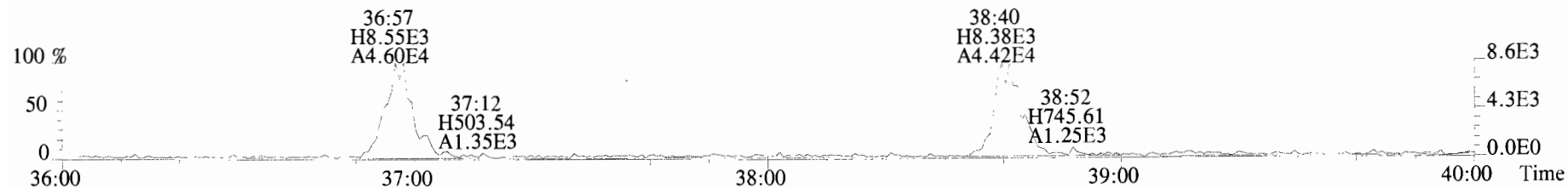
375.8178 F:3 BSUB(10000,15,-3.0)



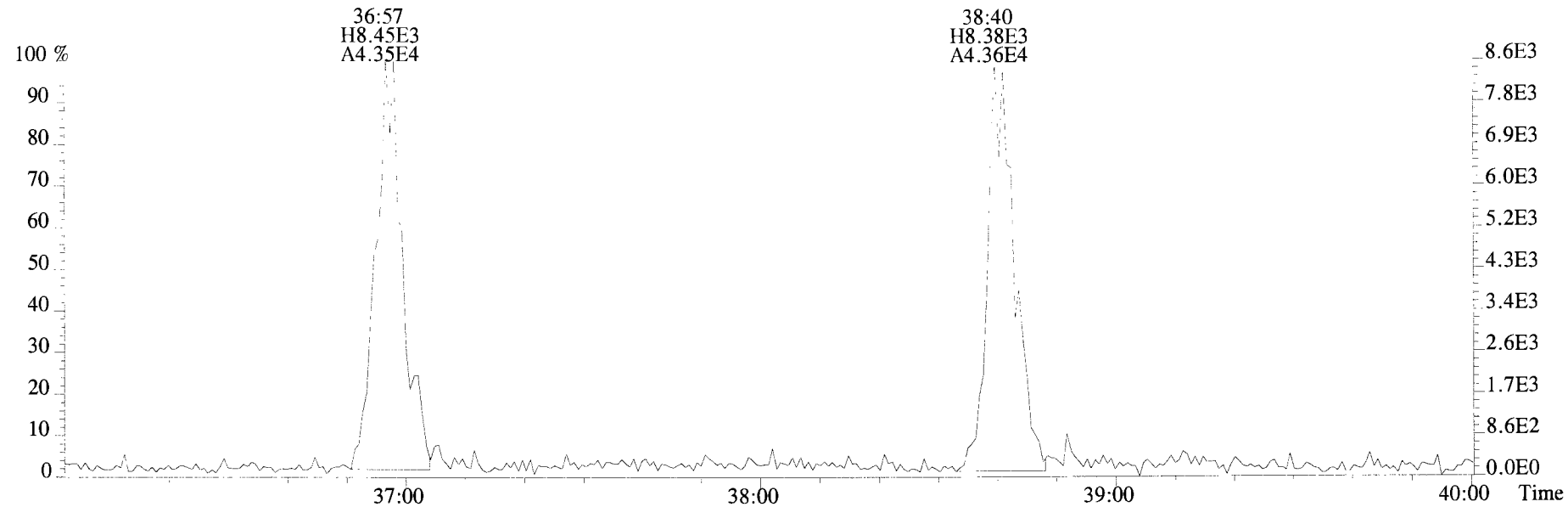
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



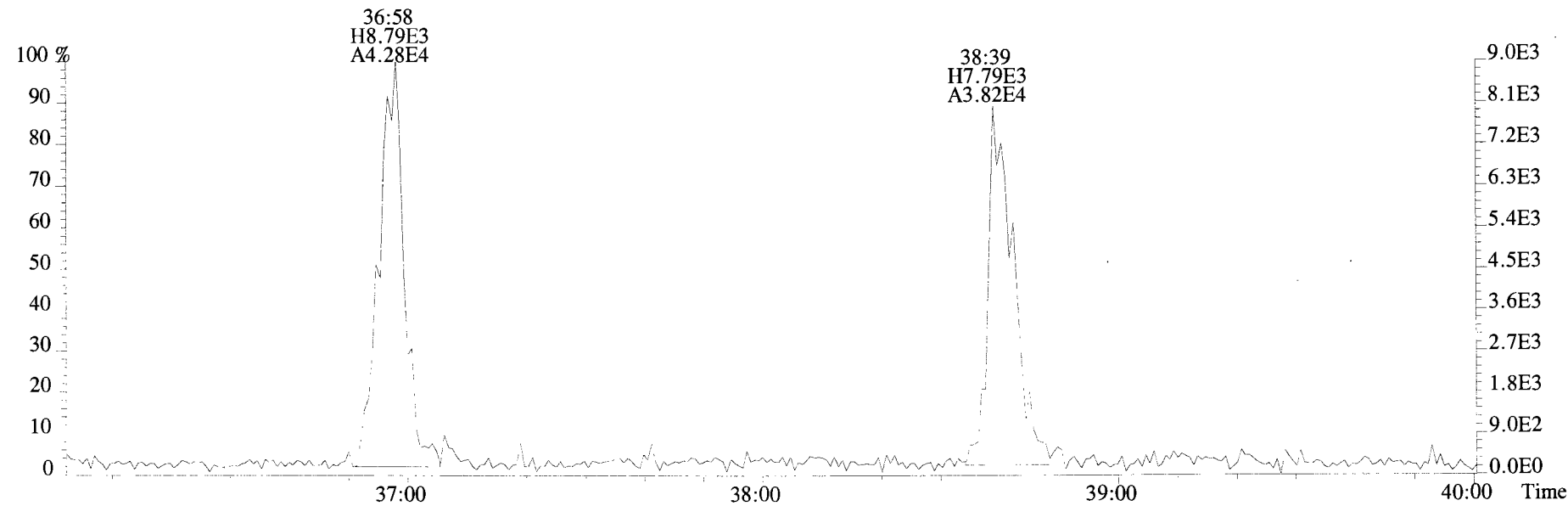
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



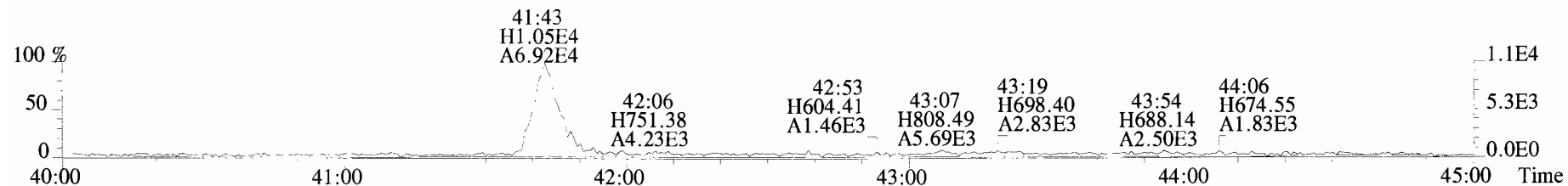
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



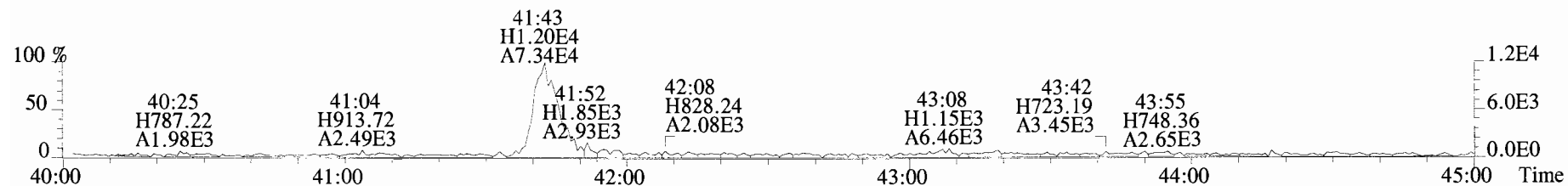
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



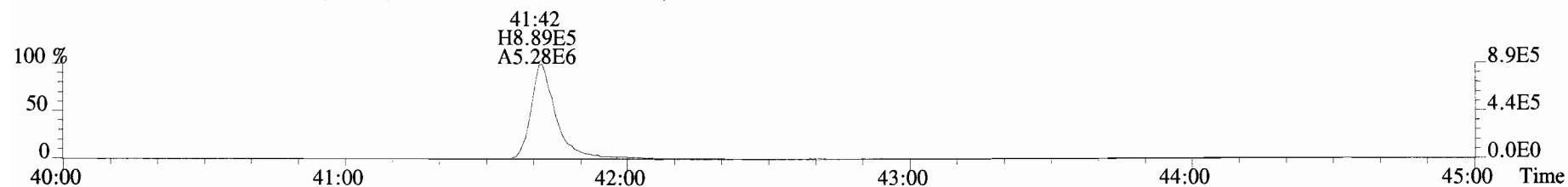
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



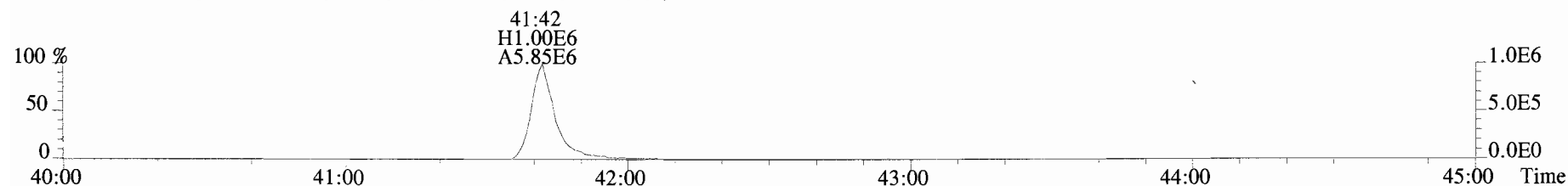
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



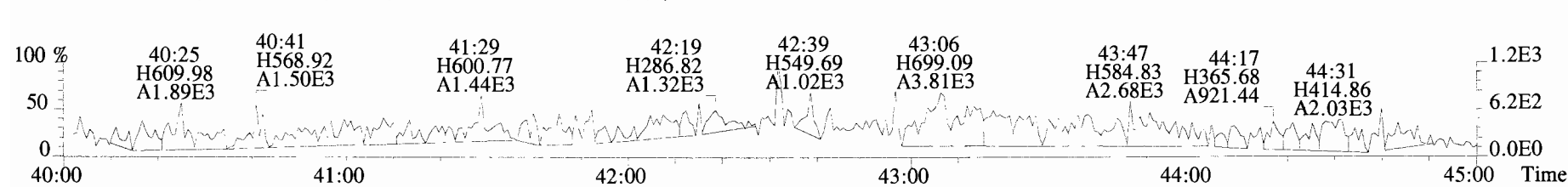
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



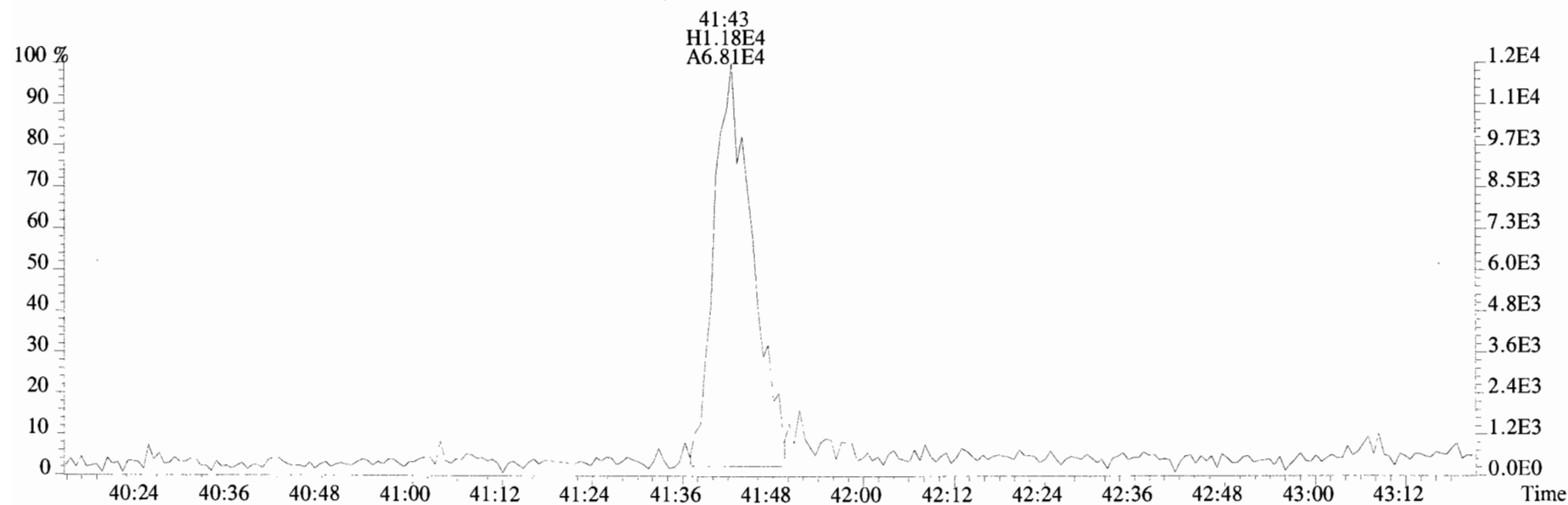
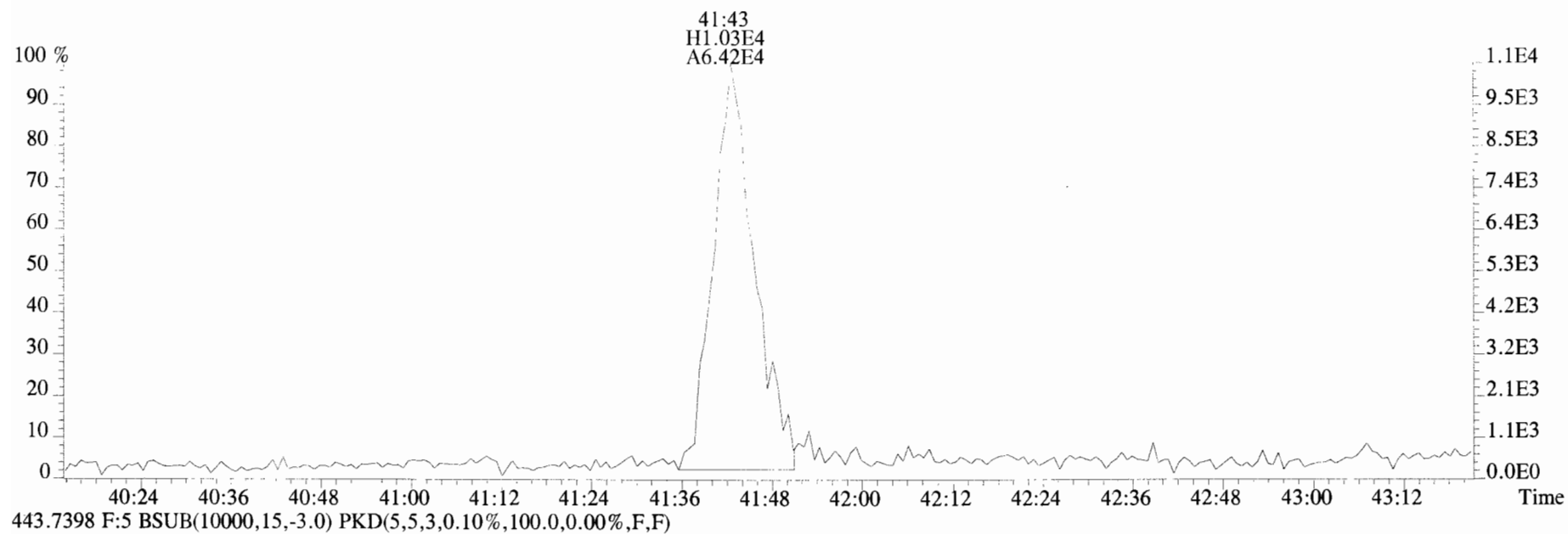
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



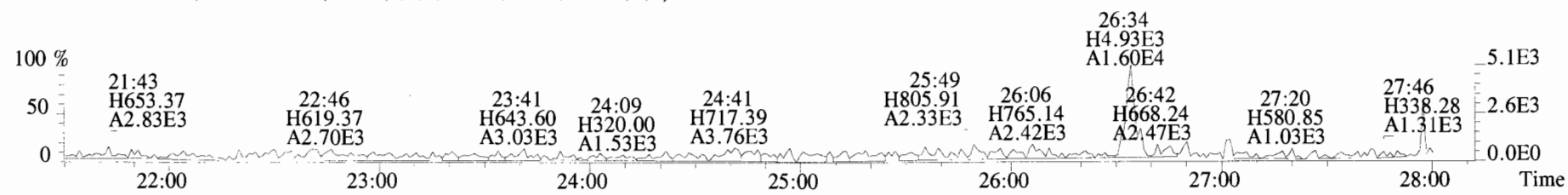
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



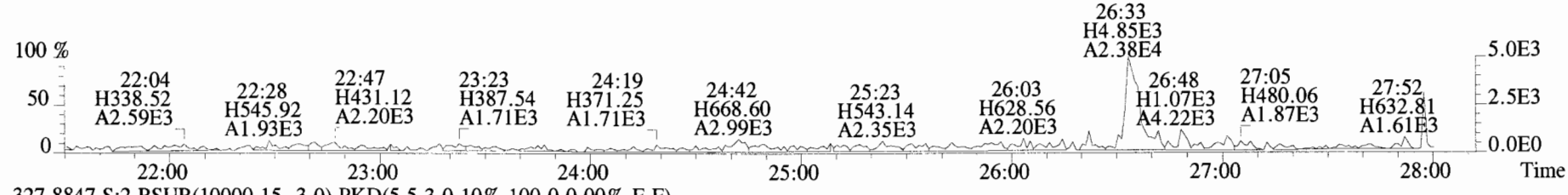
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



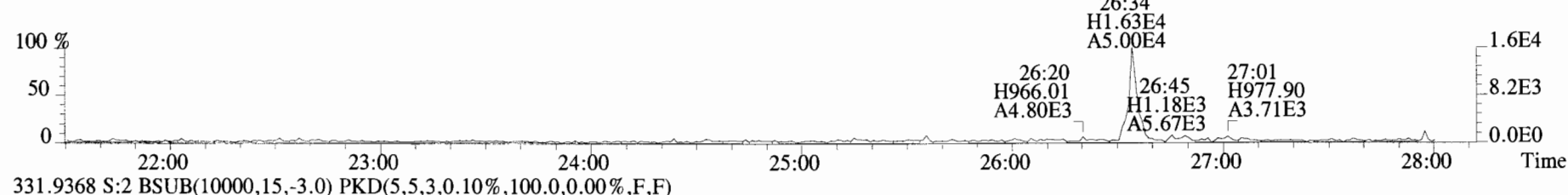
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



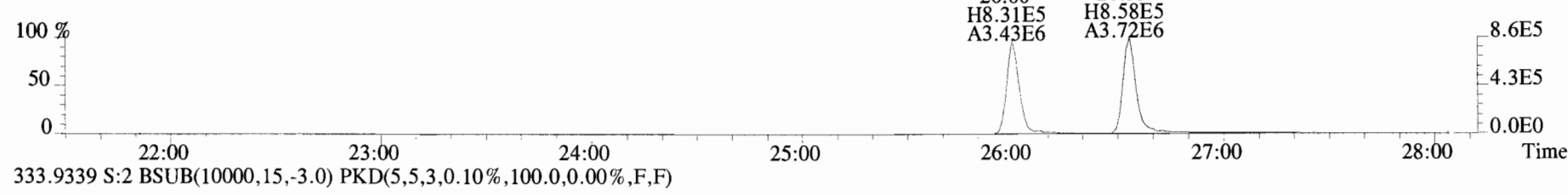
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



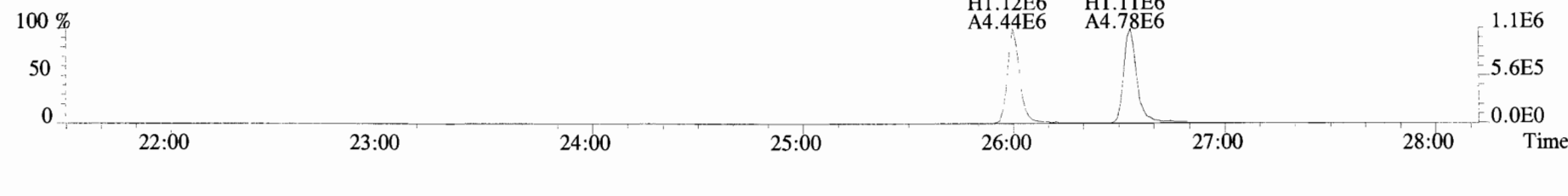
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



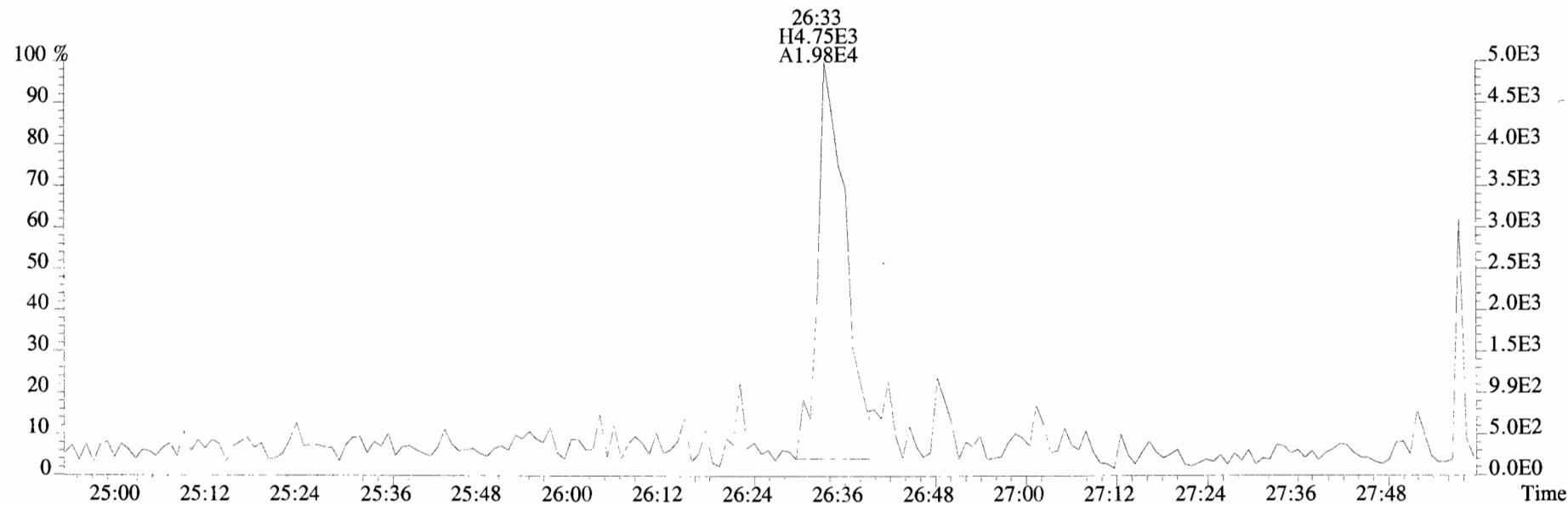
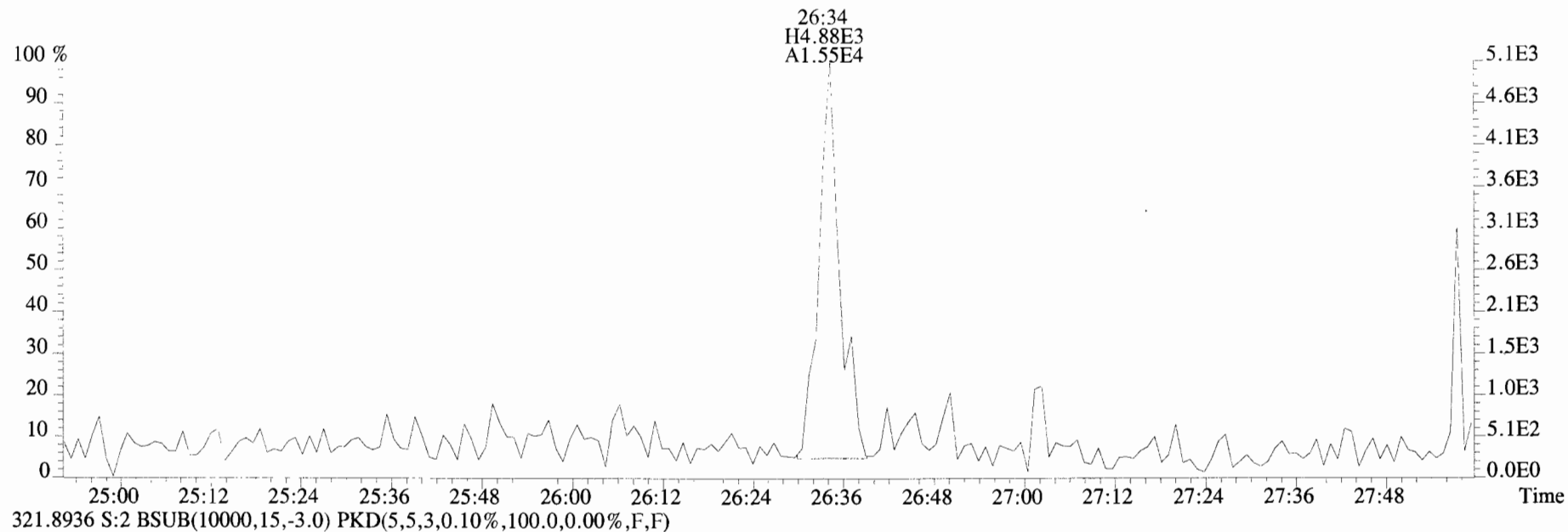
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



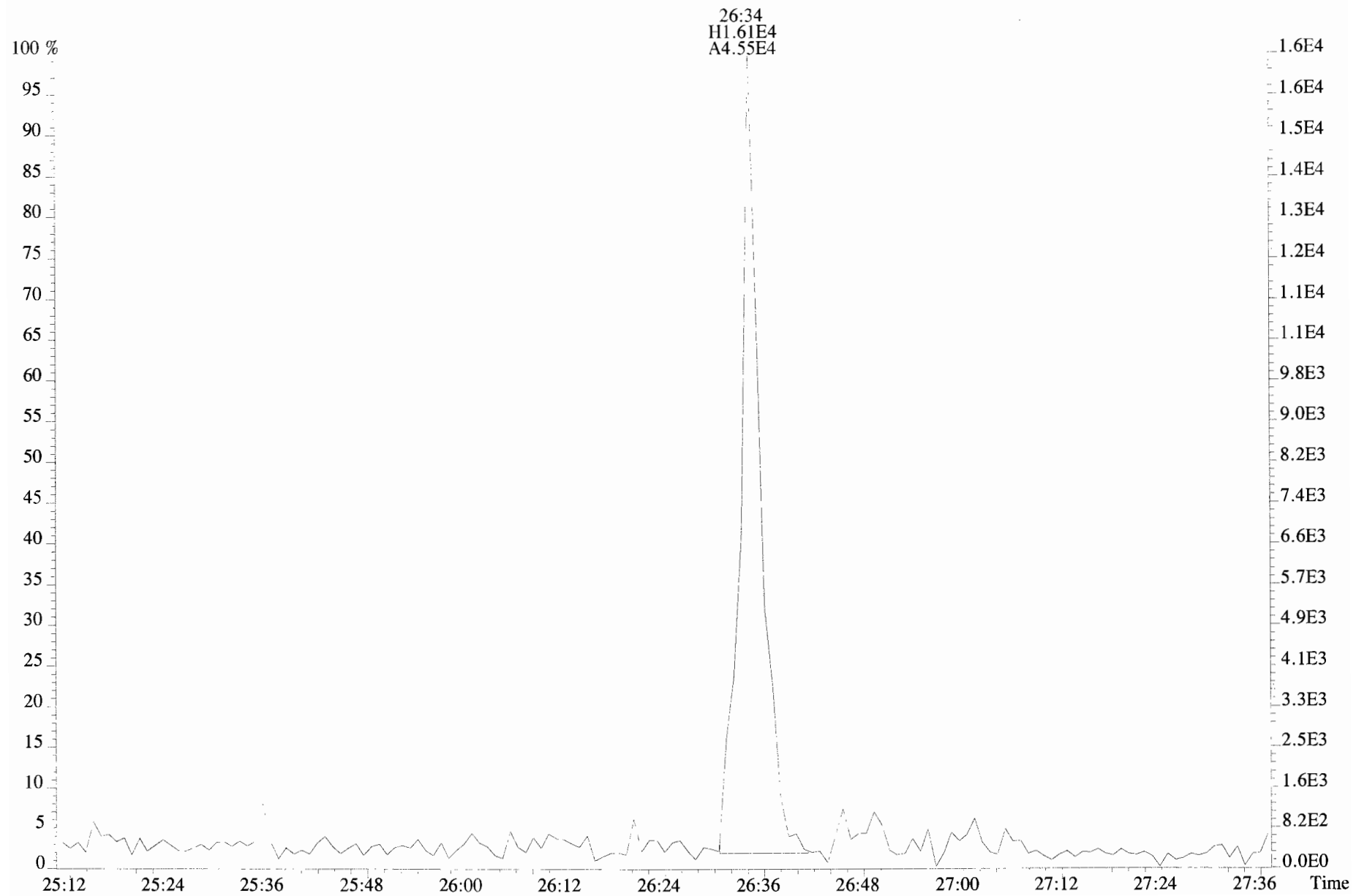
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



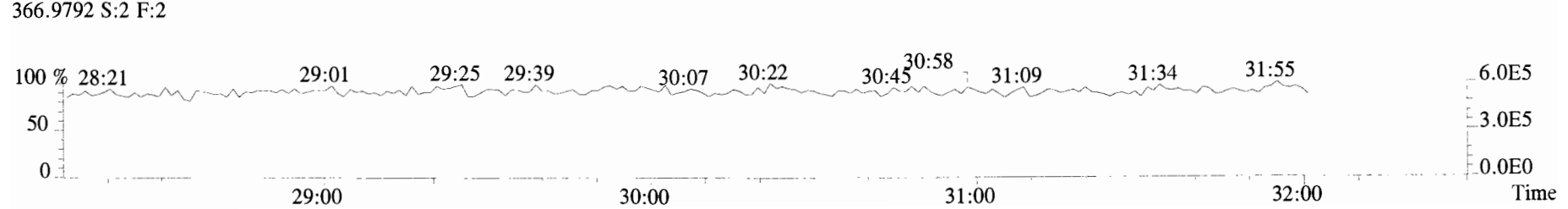
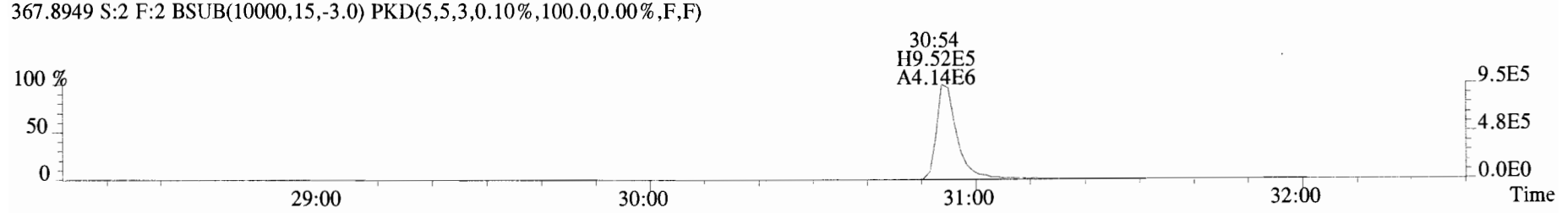
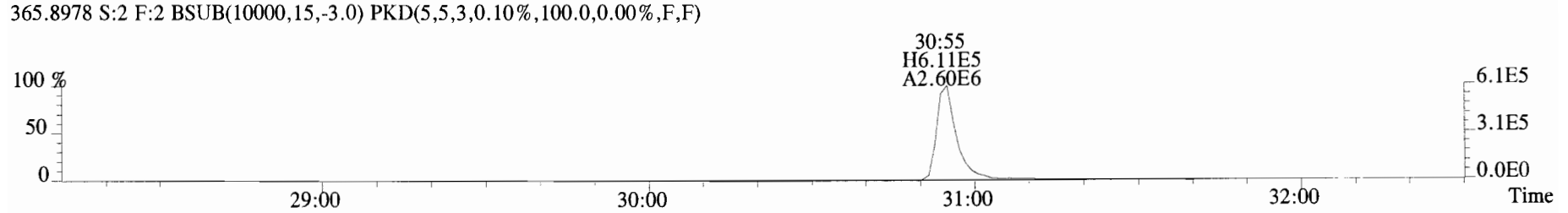
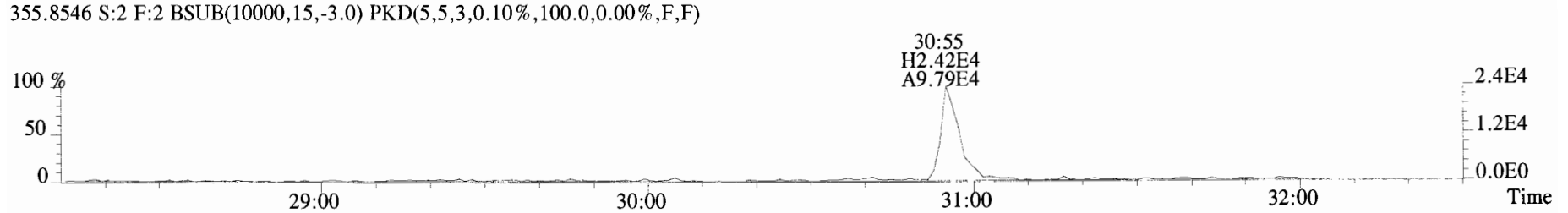
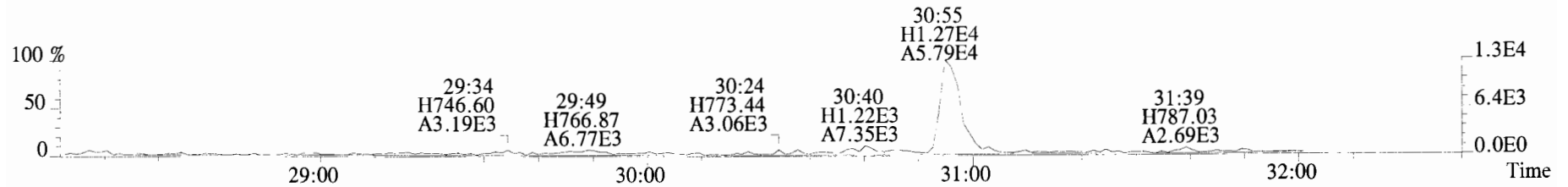
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



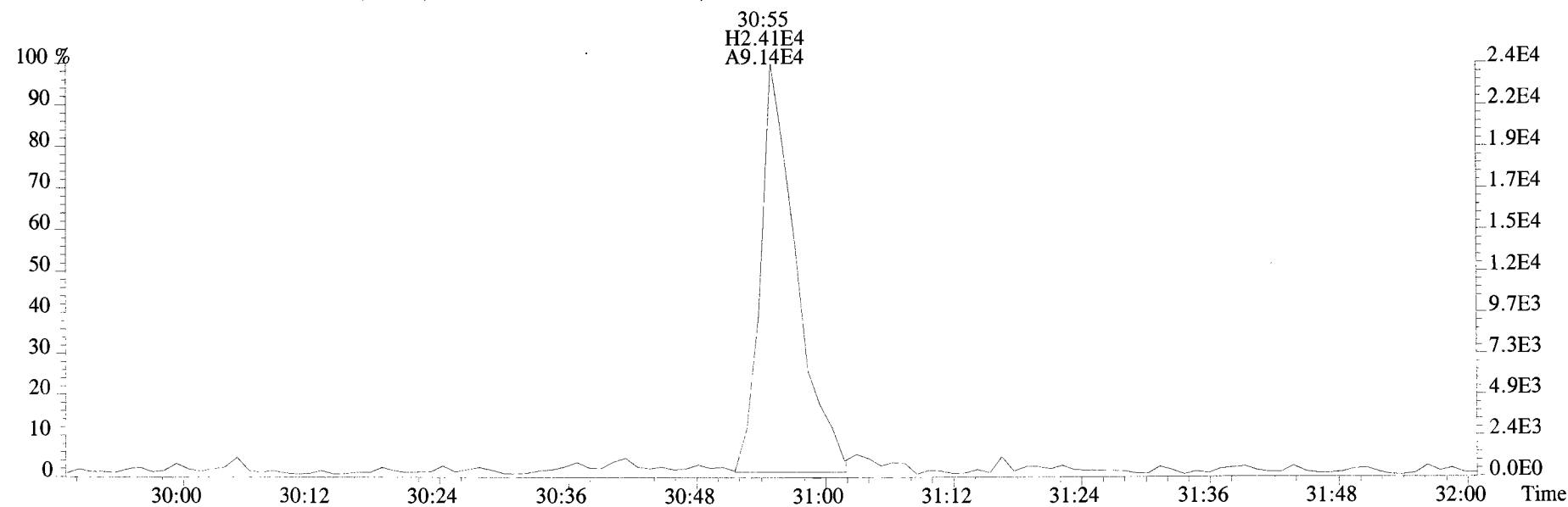
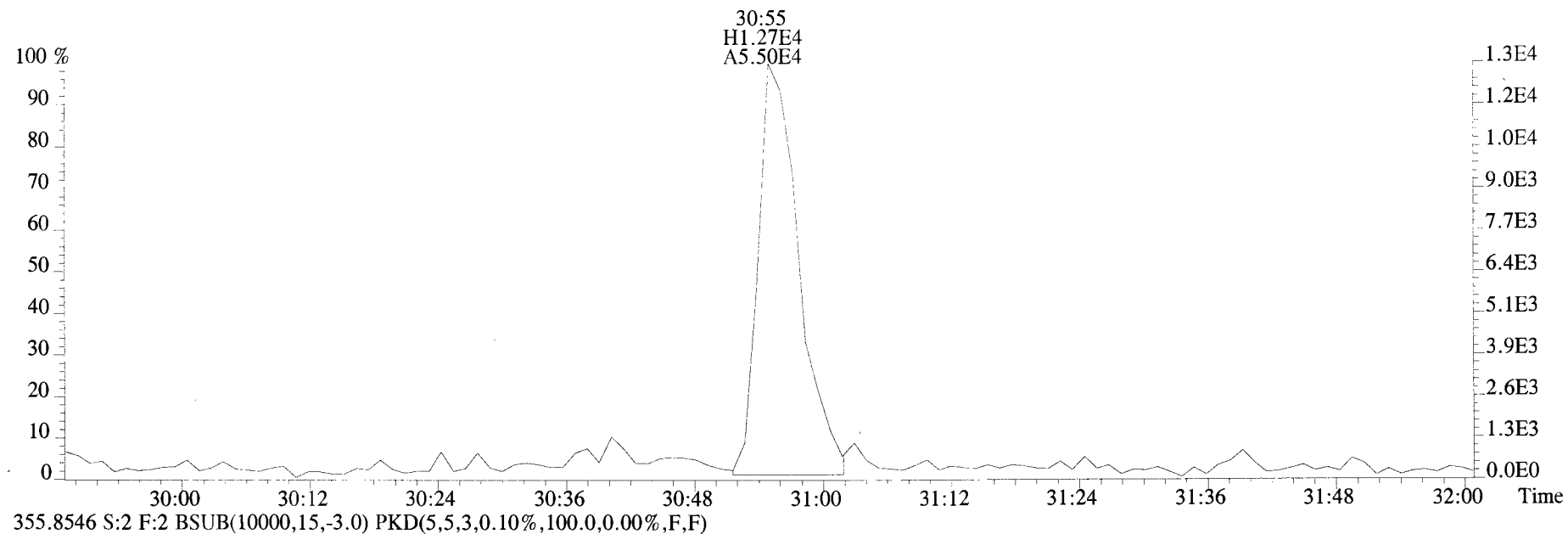
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
327.8847 S:2 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



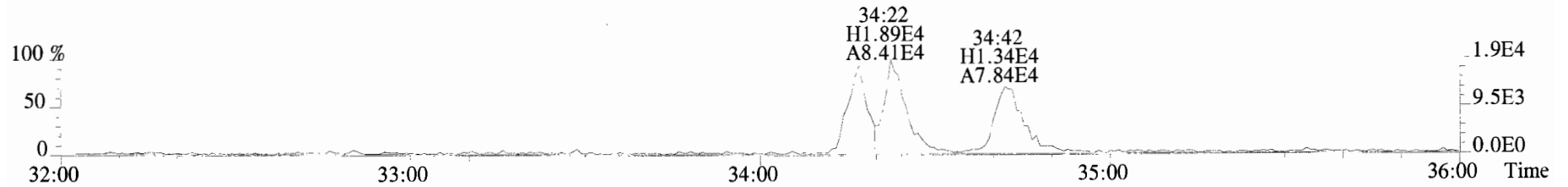
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



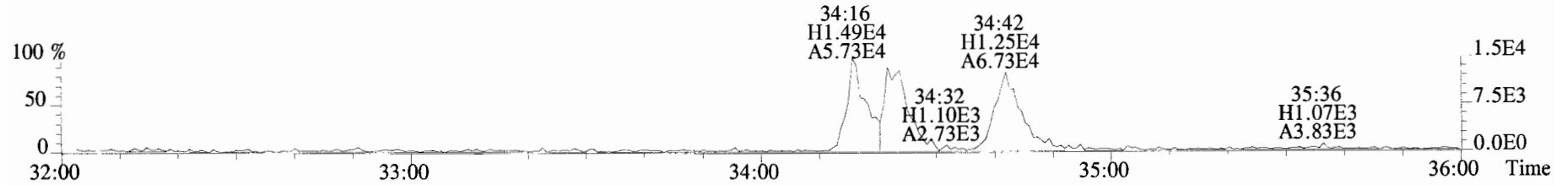
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



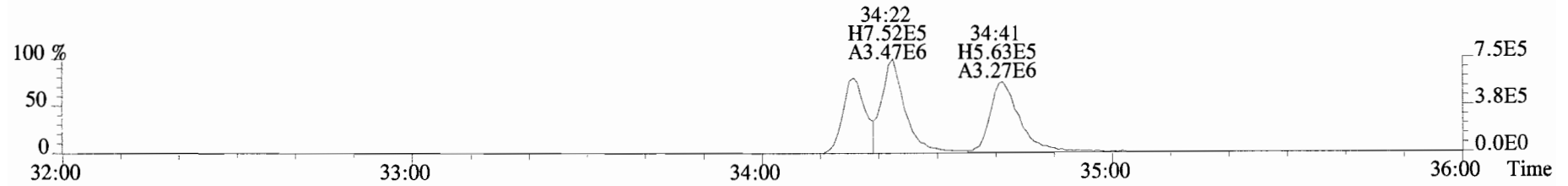
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



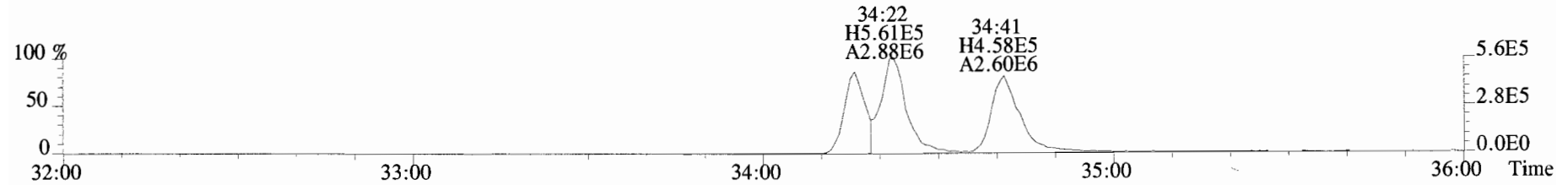
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



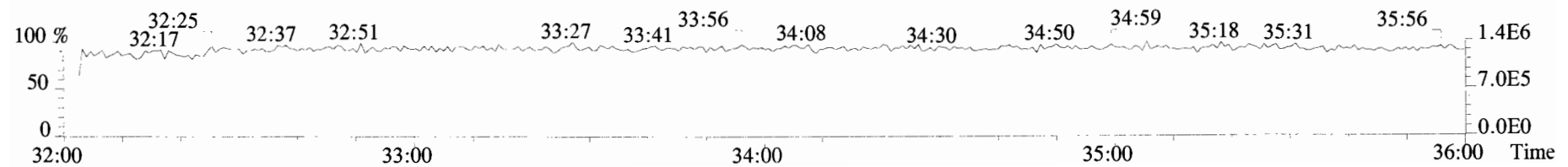
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



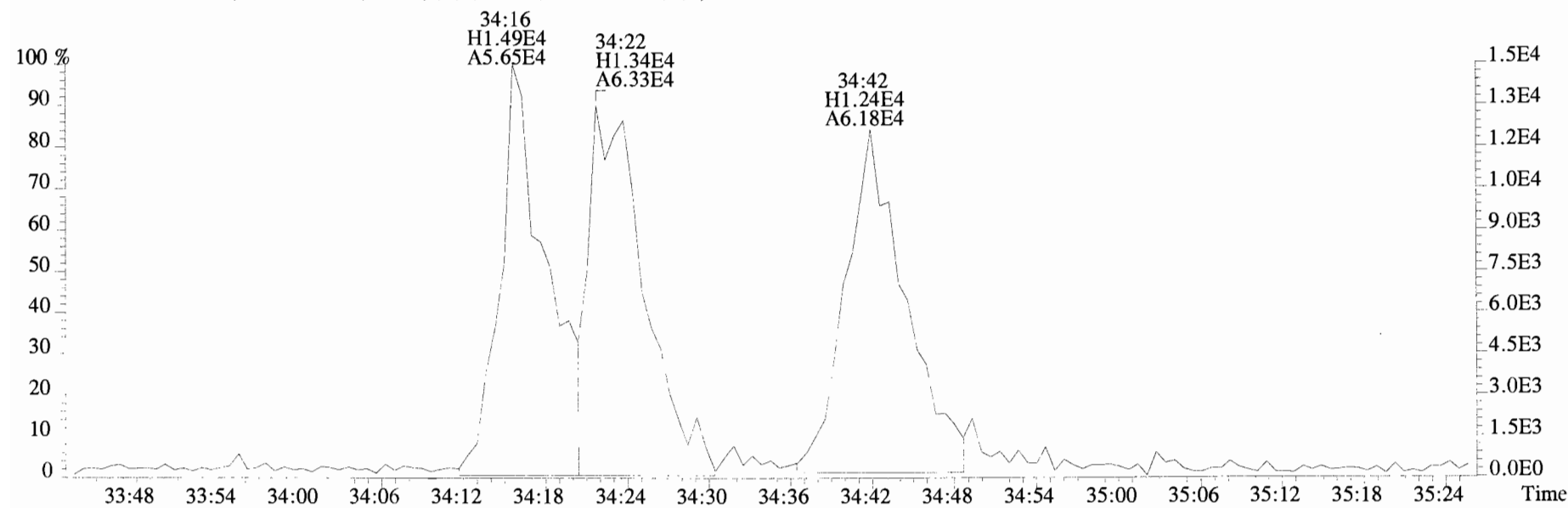
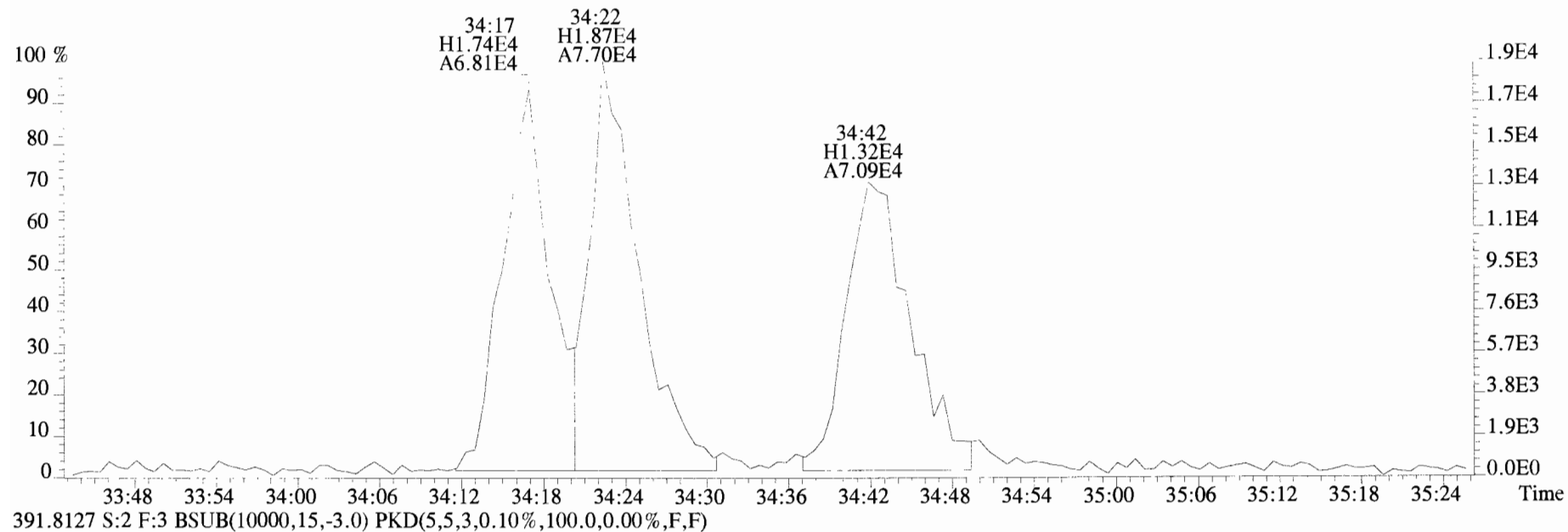
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



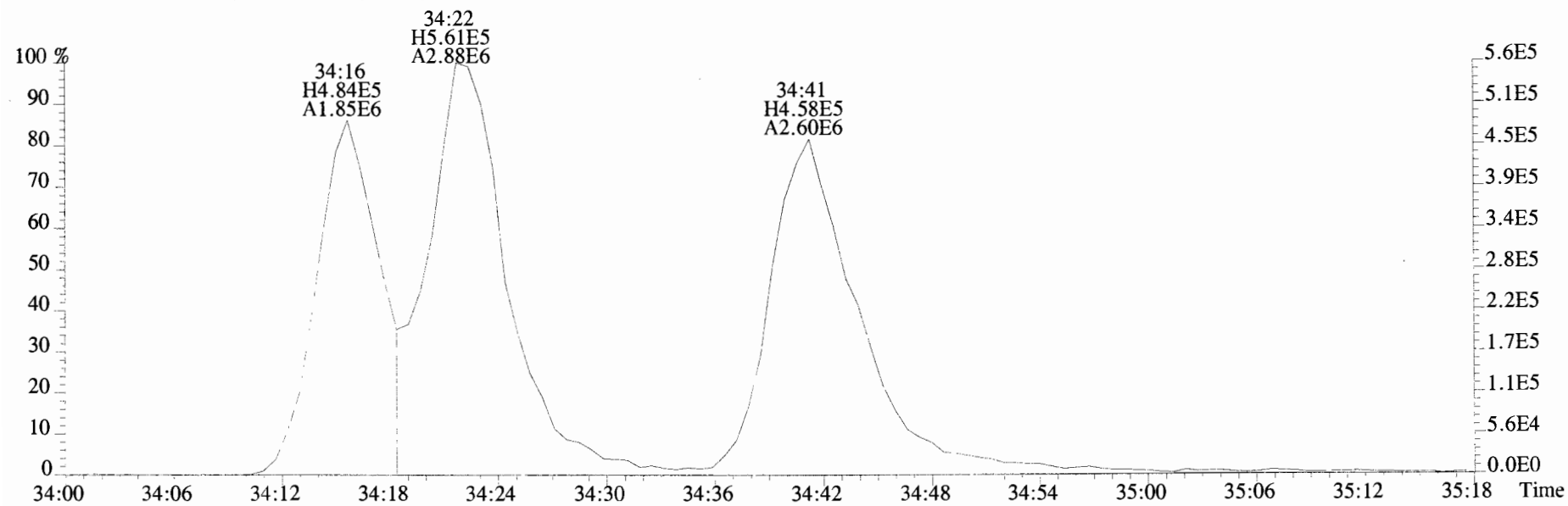
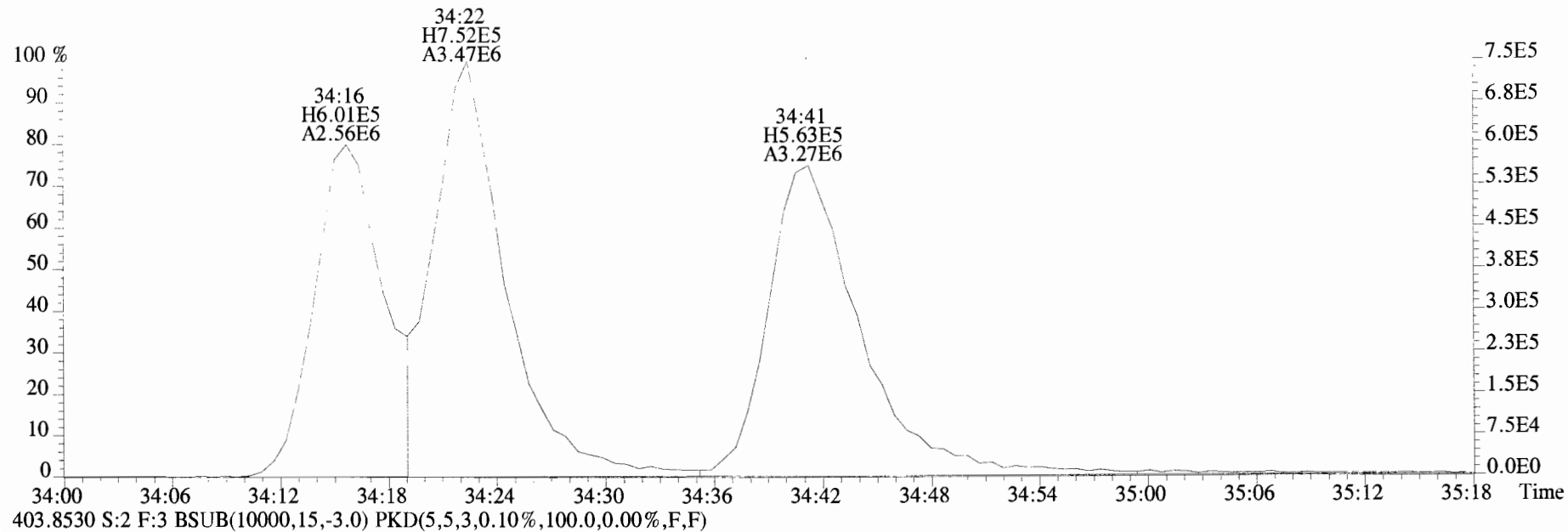
392.9760 S:2 F:3



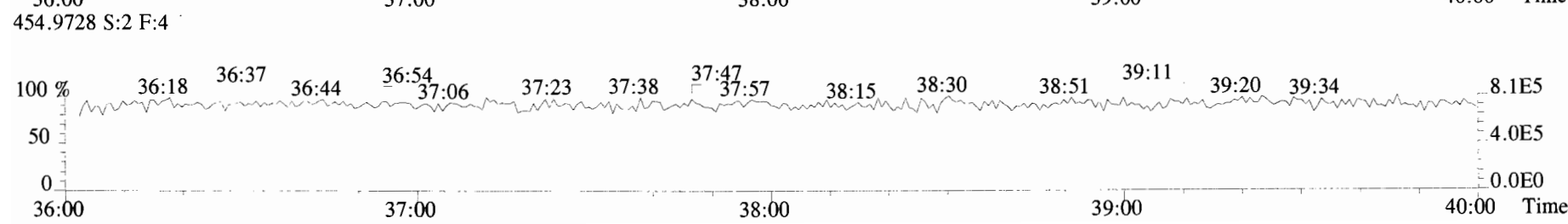
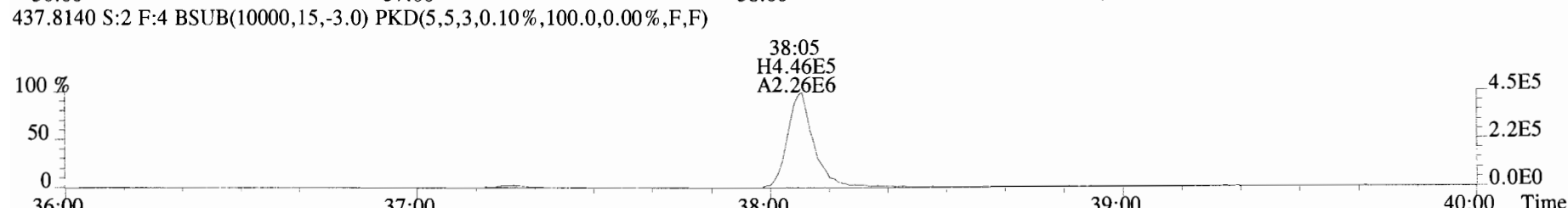
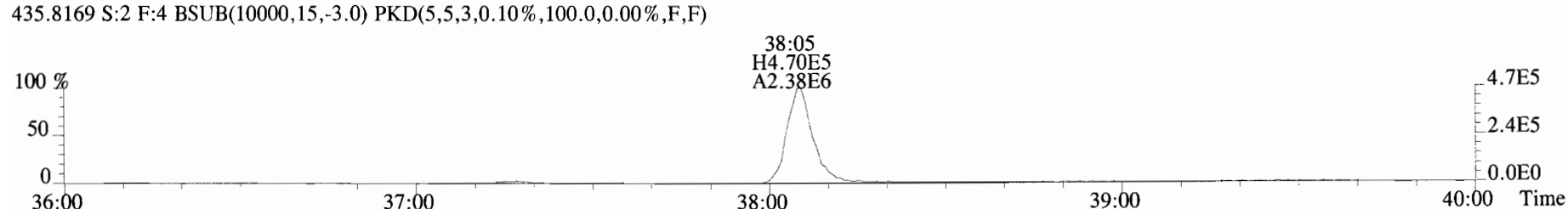
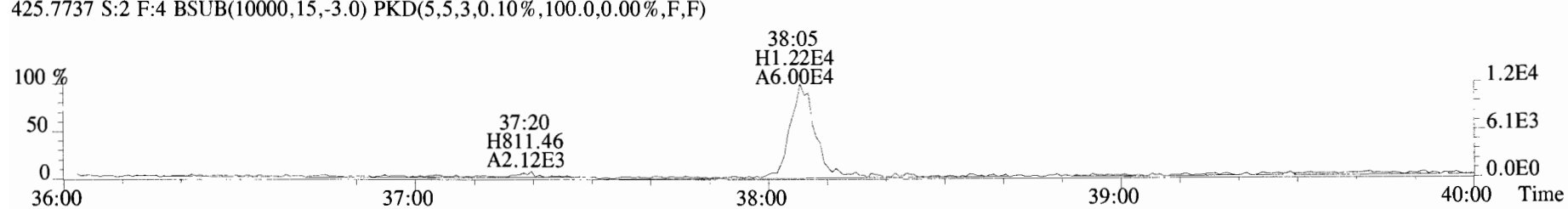
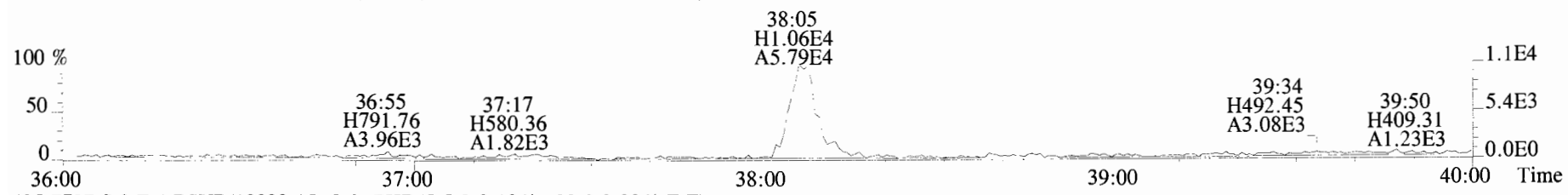
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



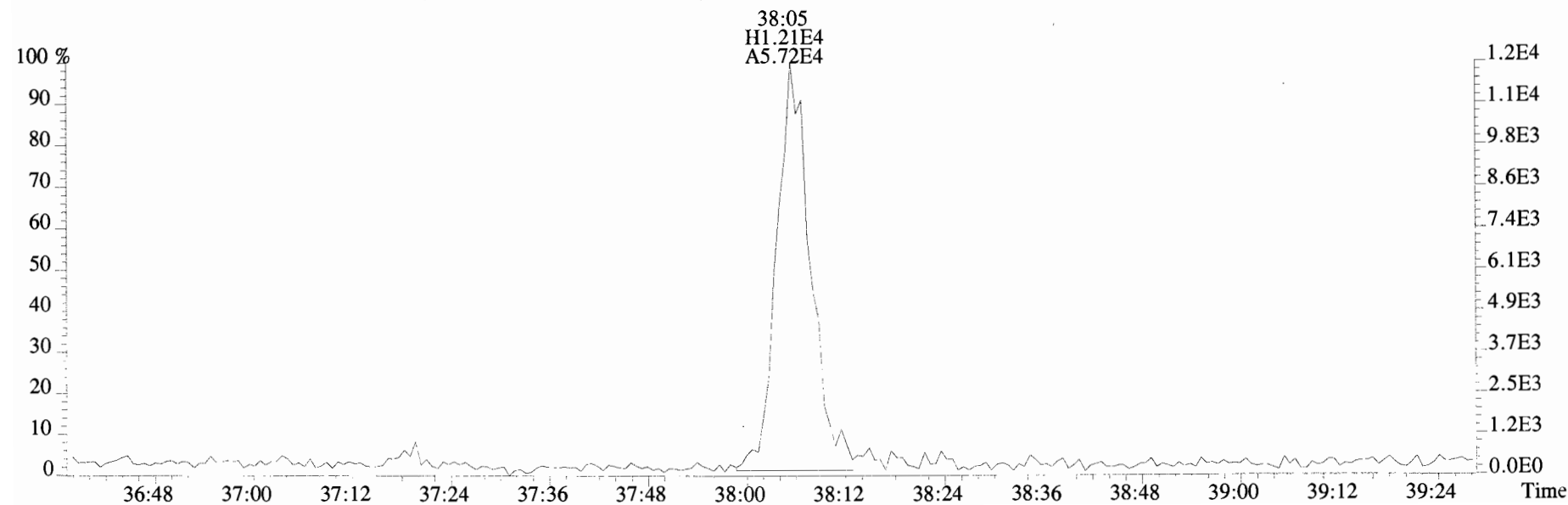
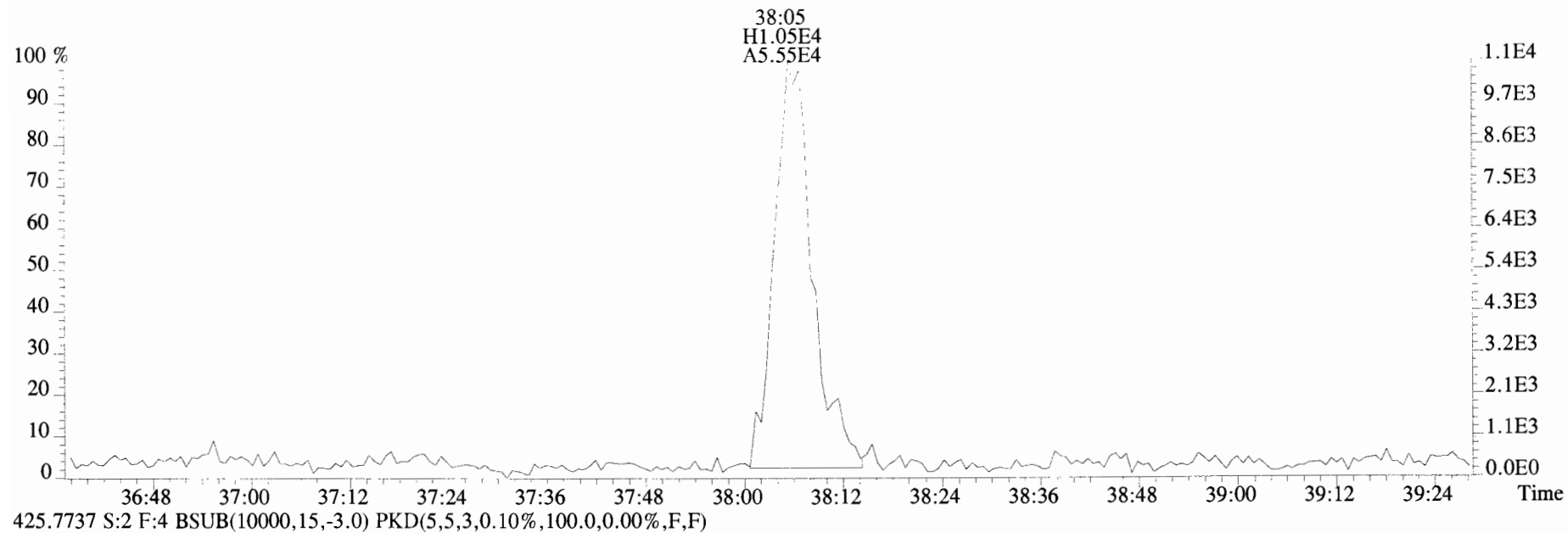
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



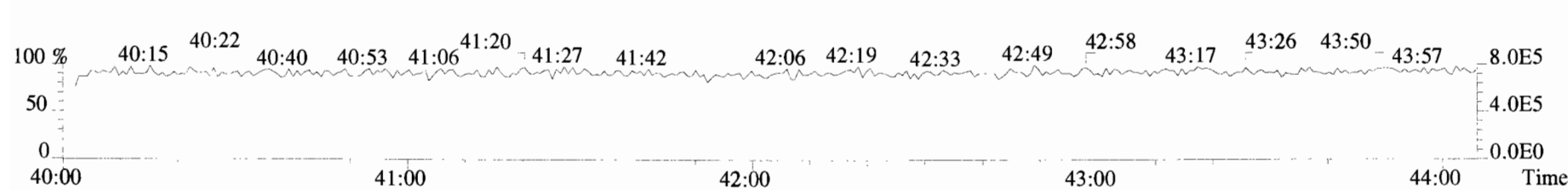
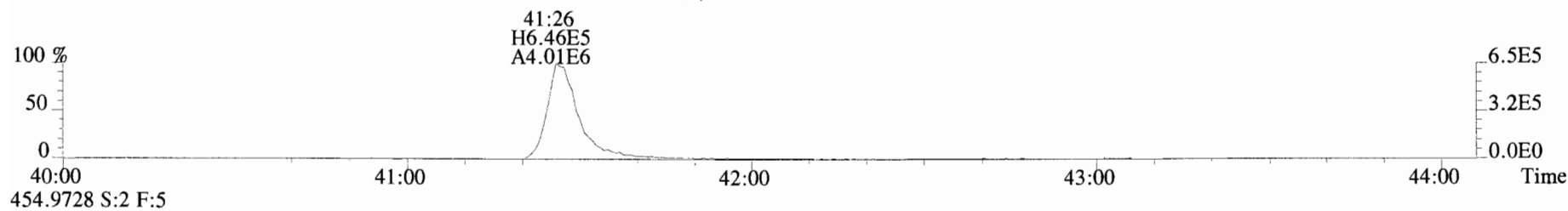
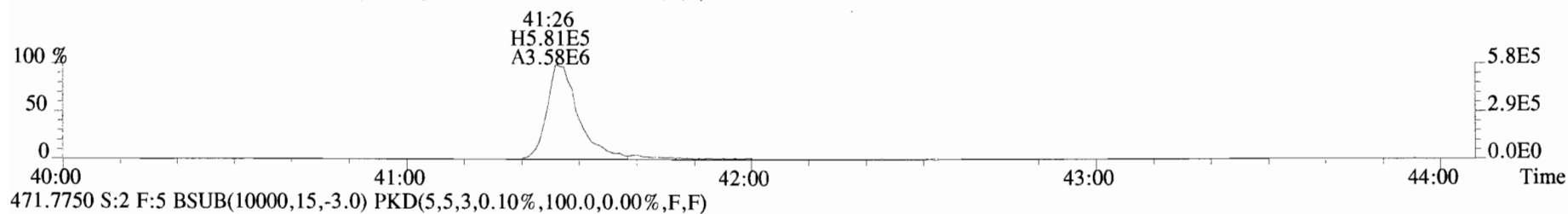
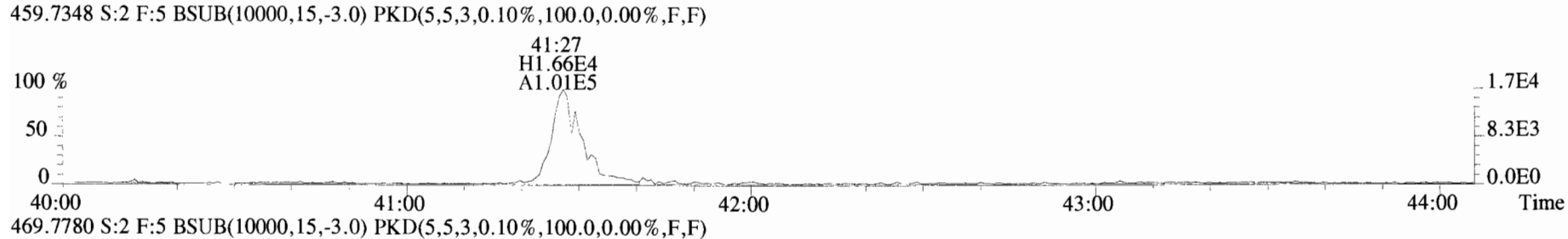
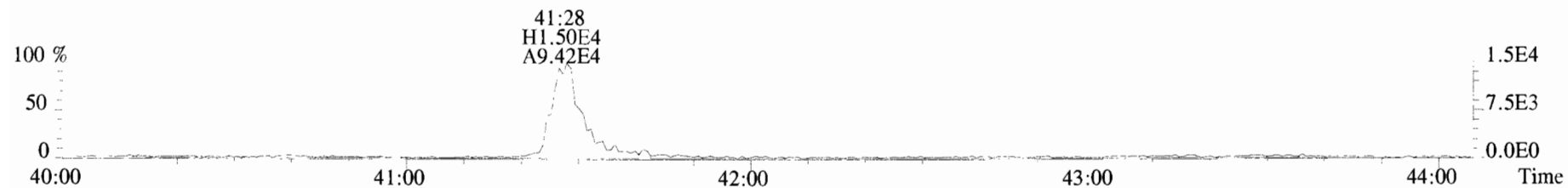
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



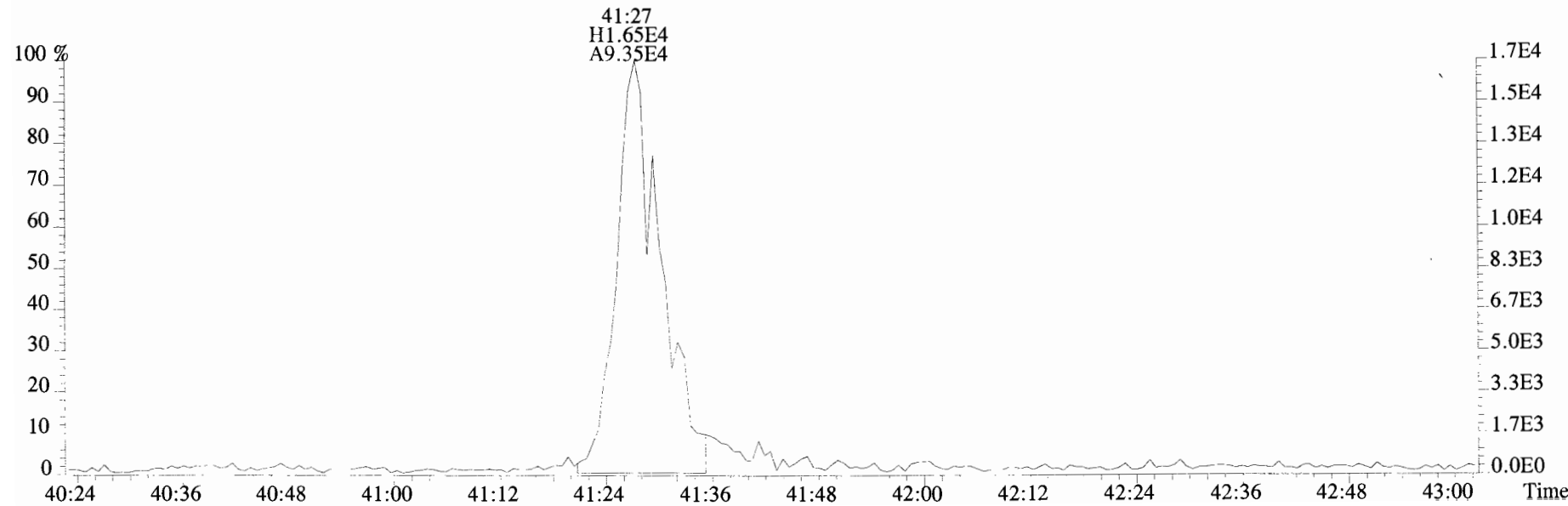
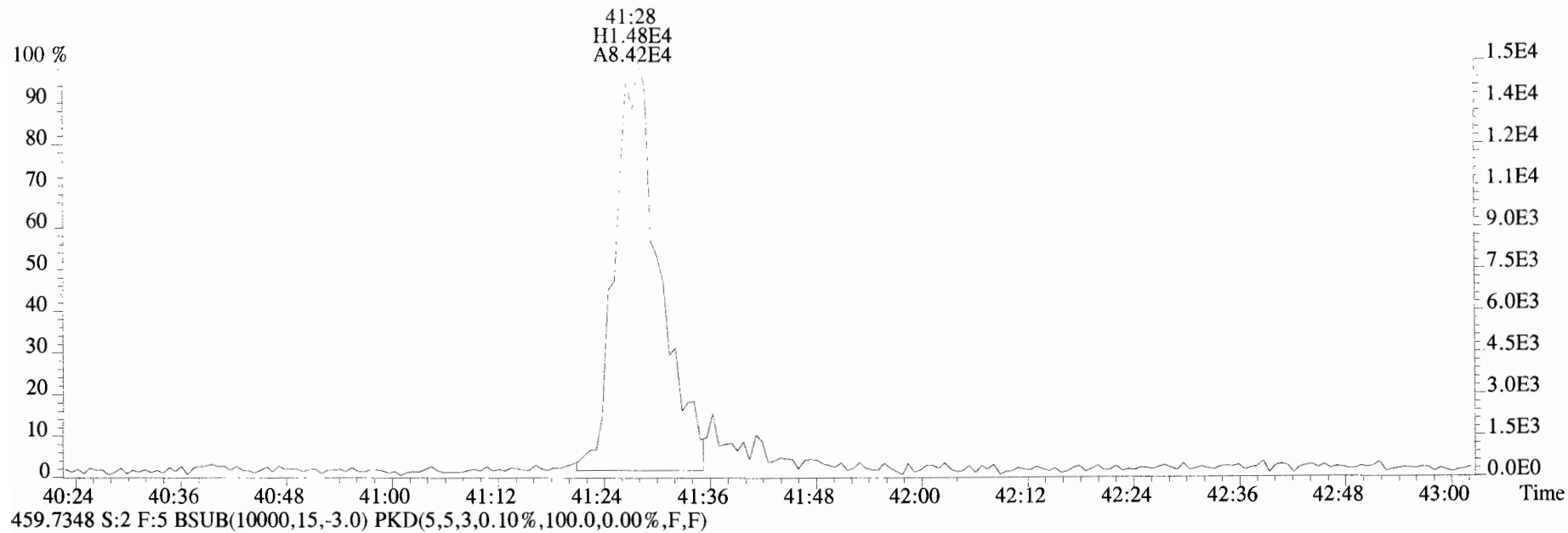
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
423.7767 S:2 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



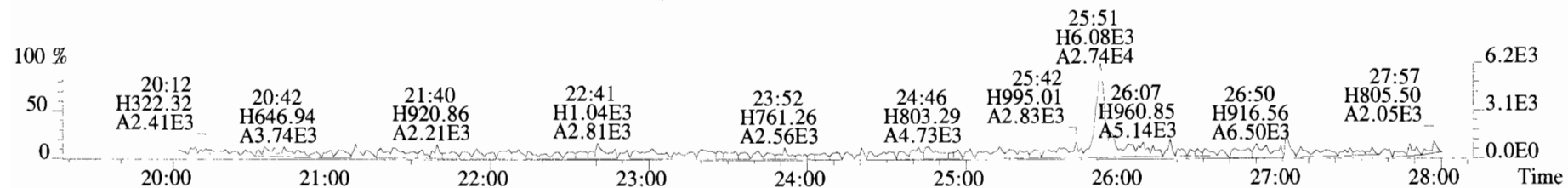
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



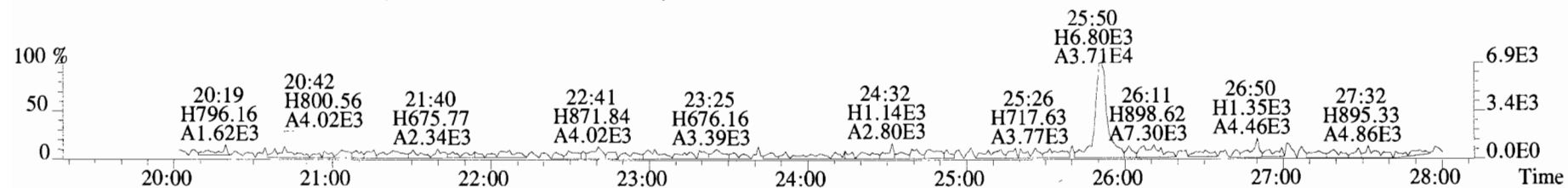
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



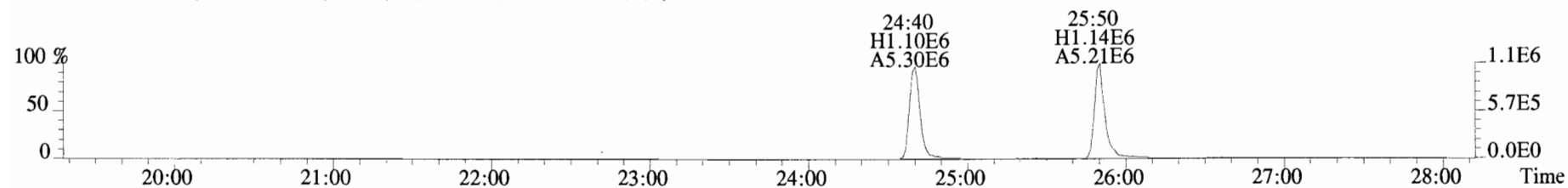
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



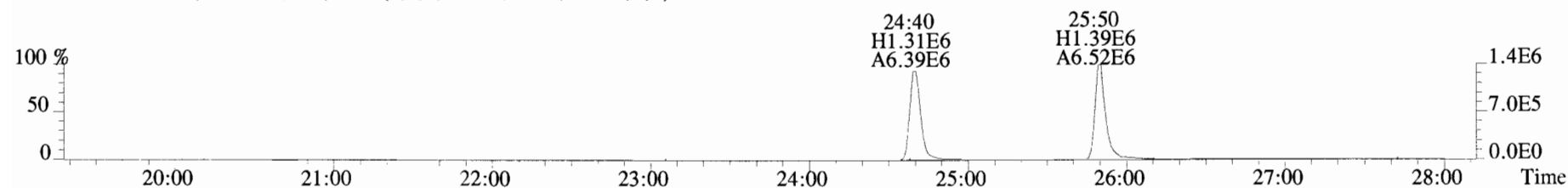
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



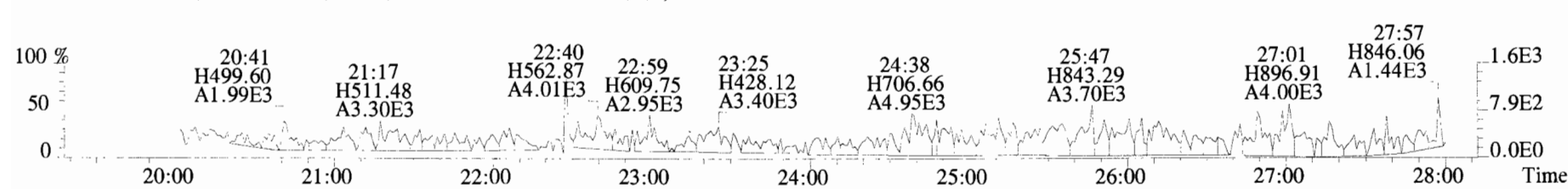
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



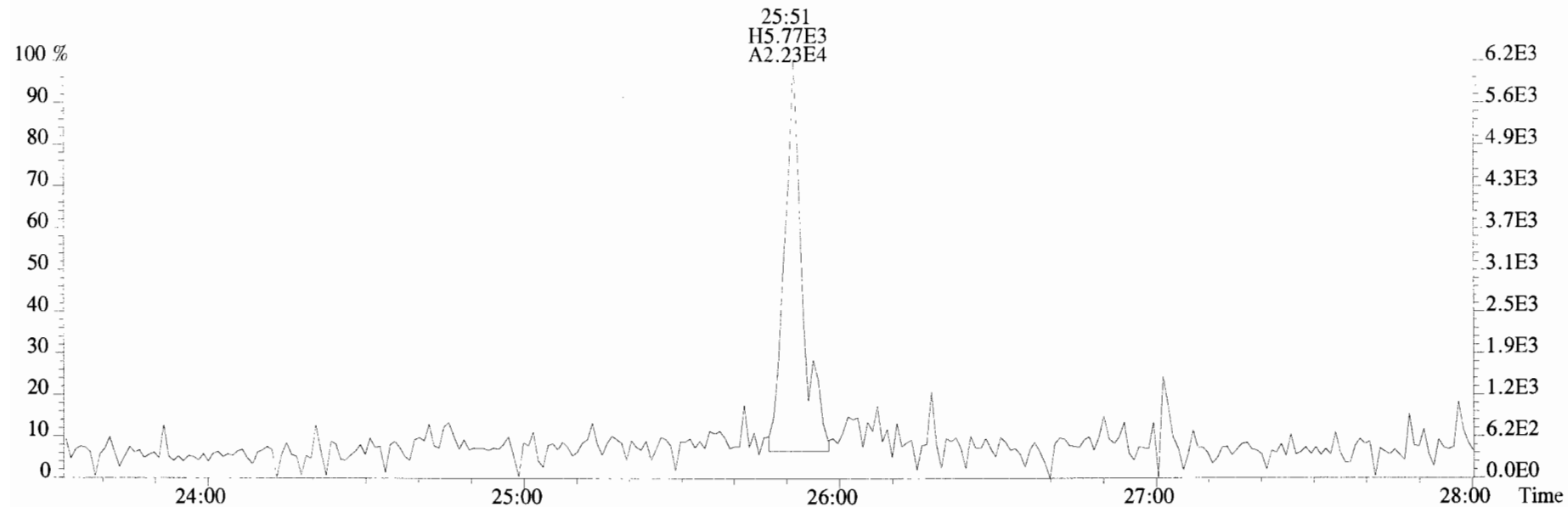
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



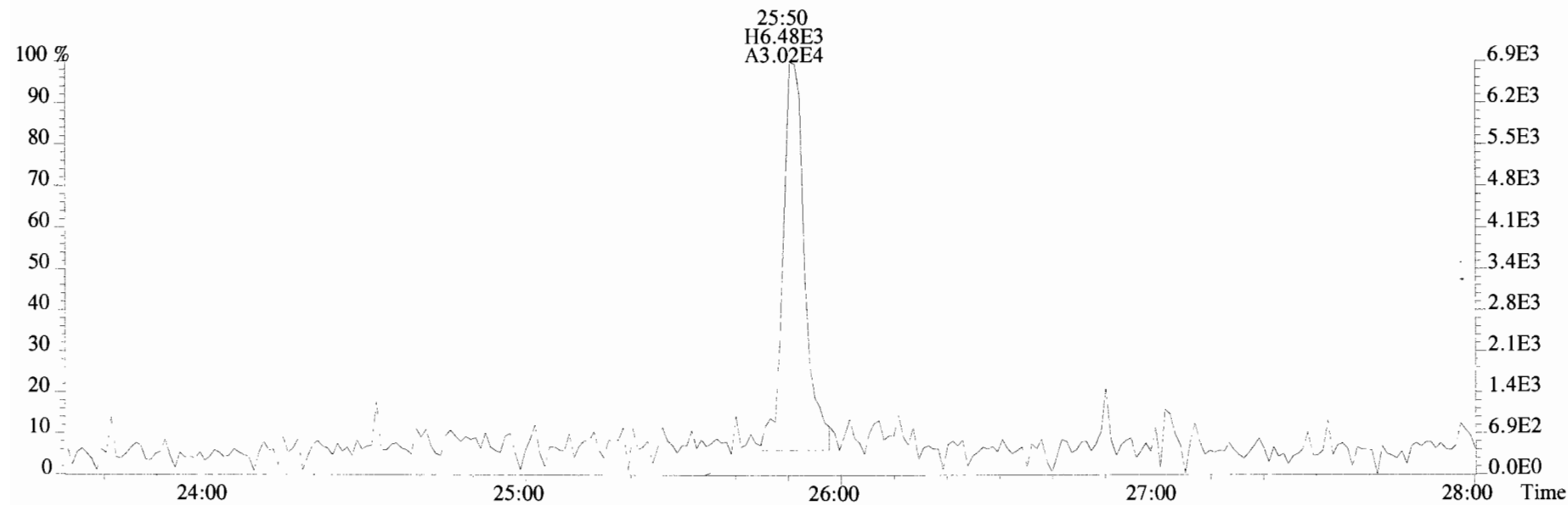
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



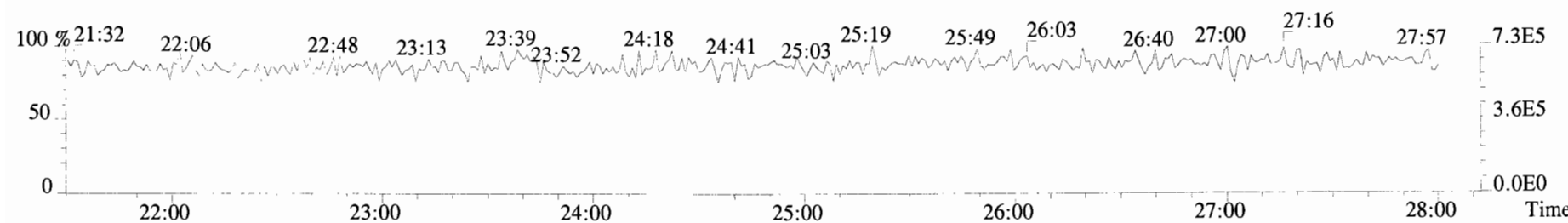
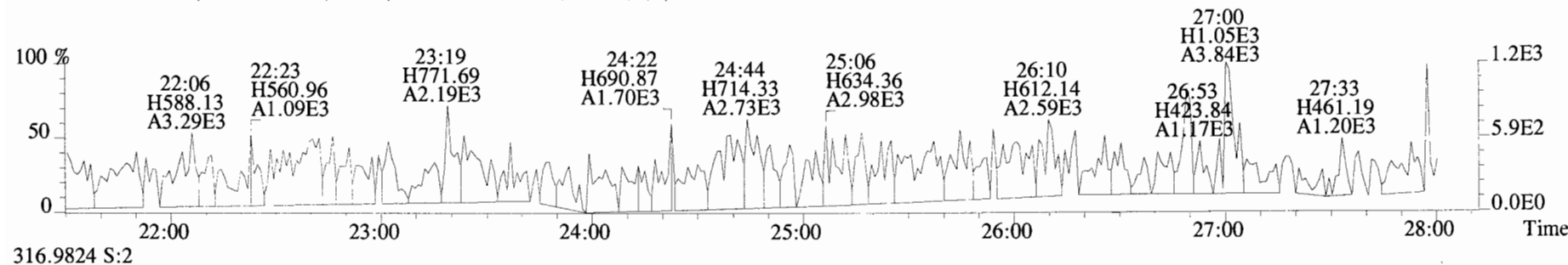
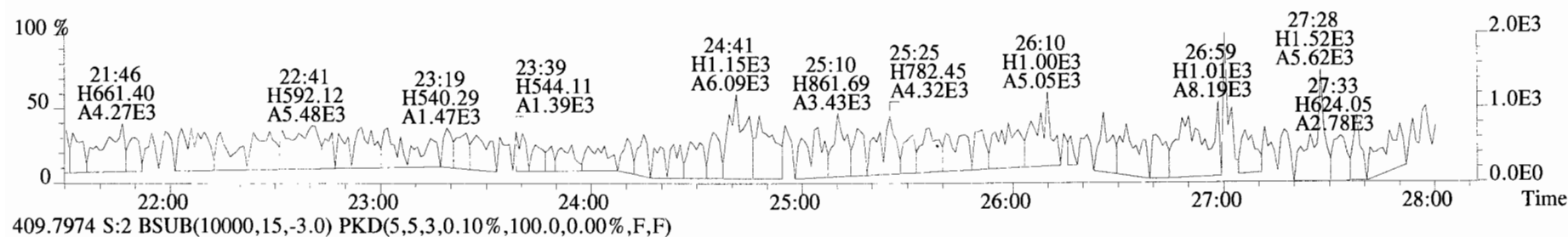
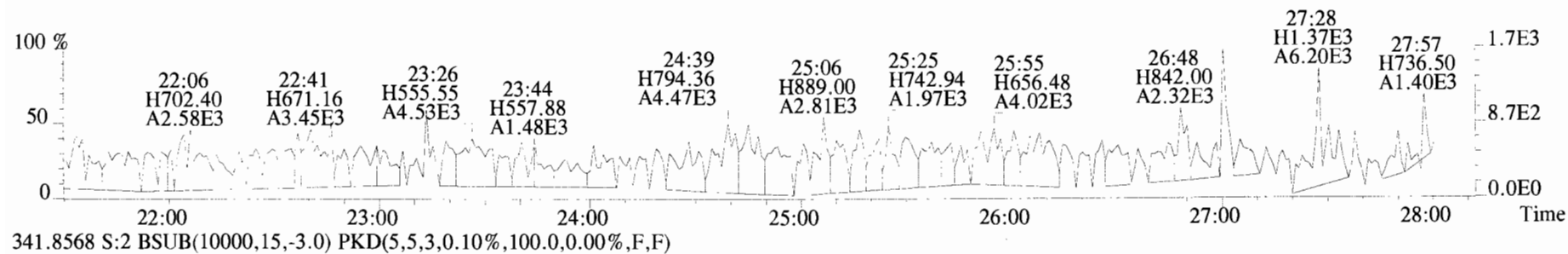
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



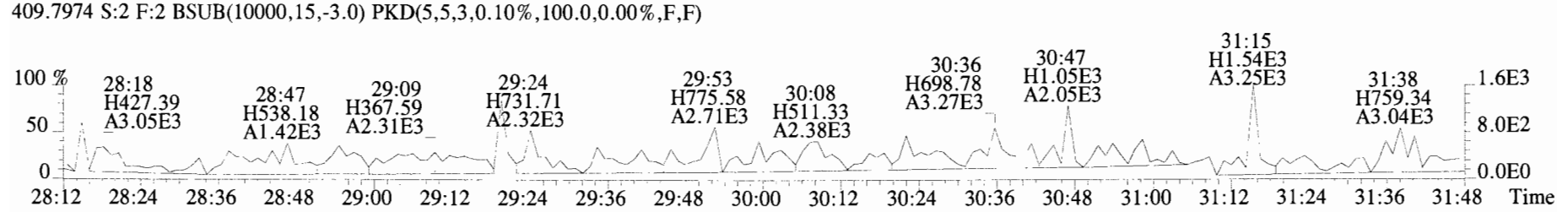
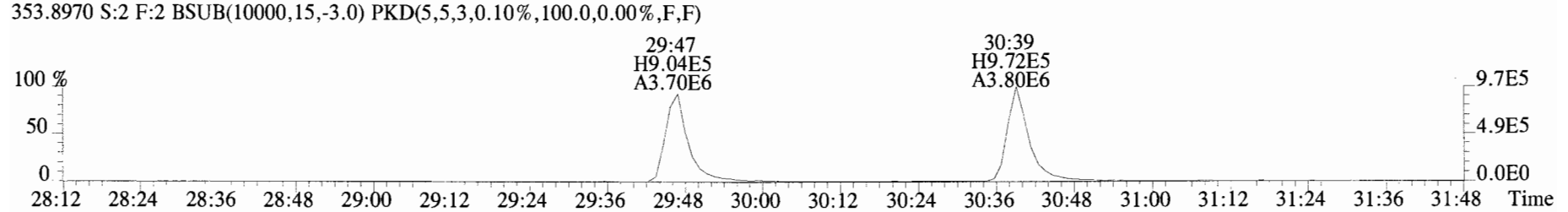
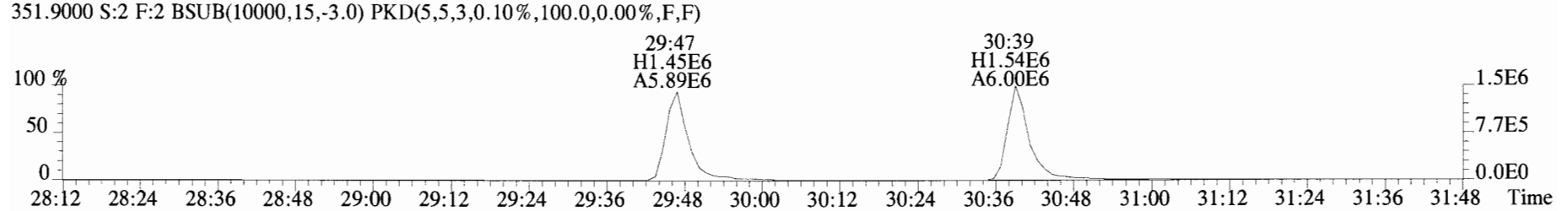
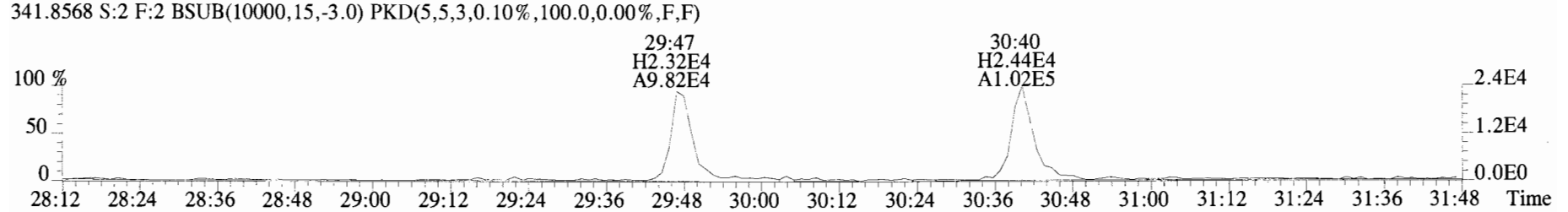
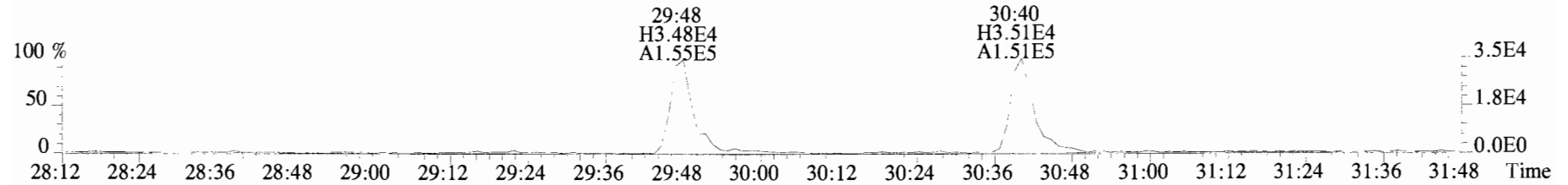
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



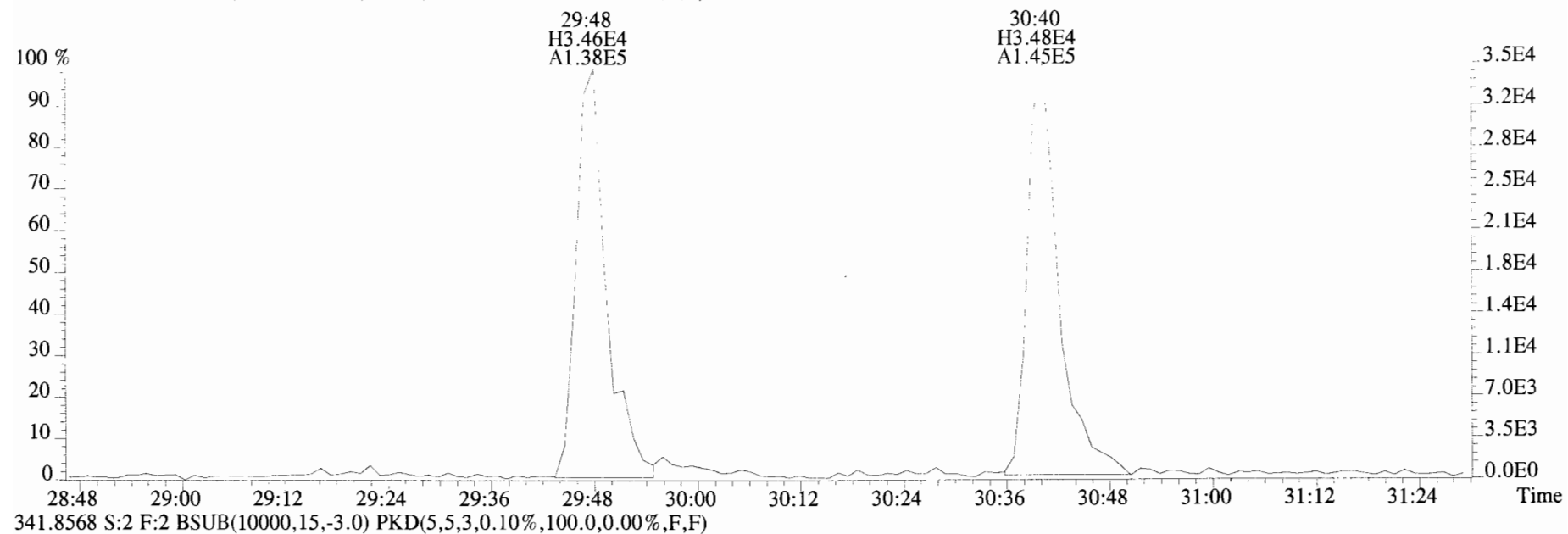
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



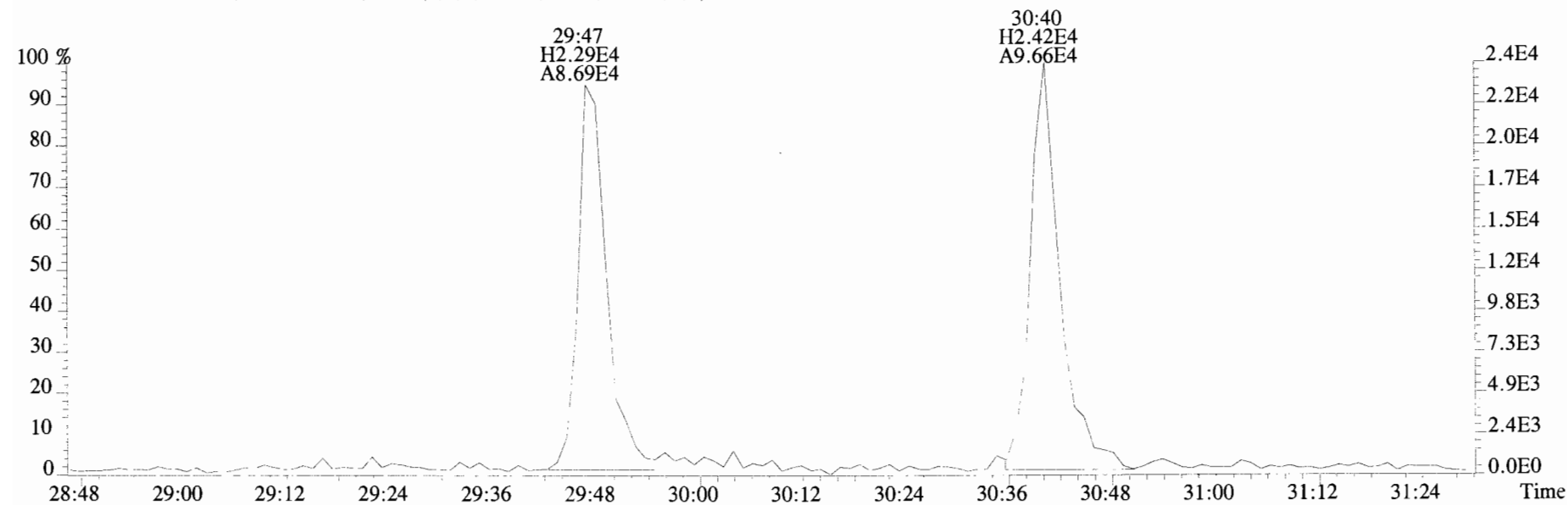
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



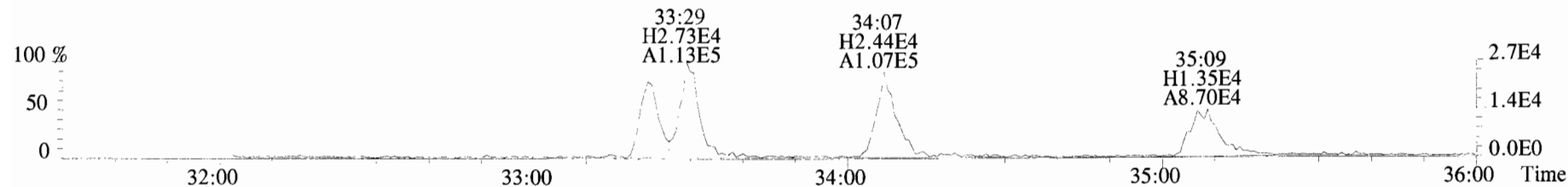
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



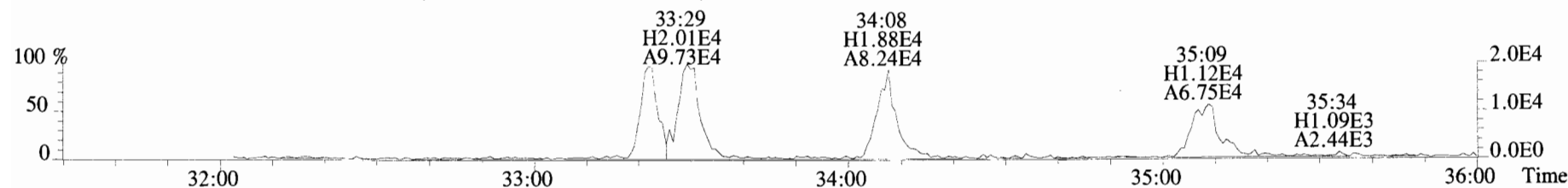
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



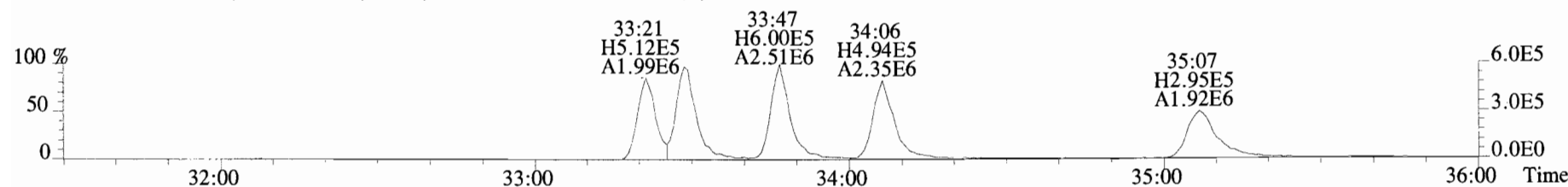
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



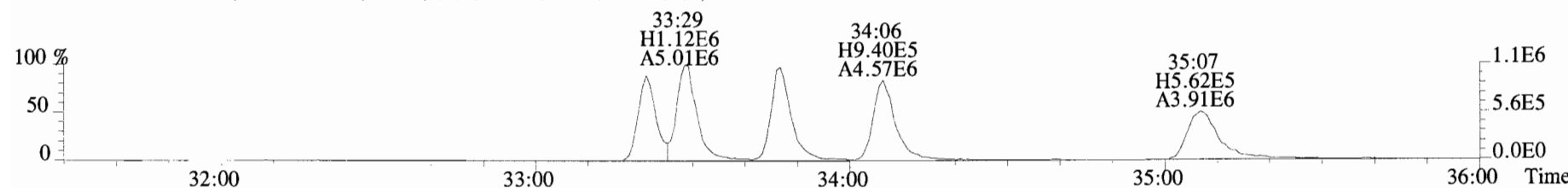
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



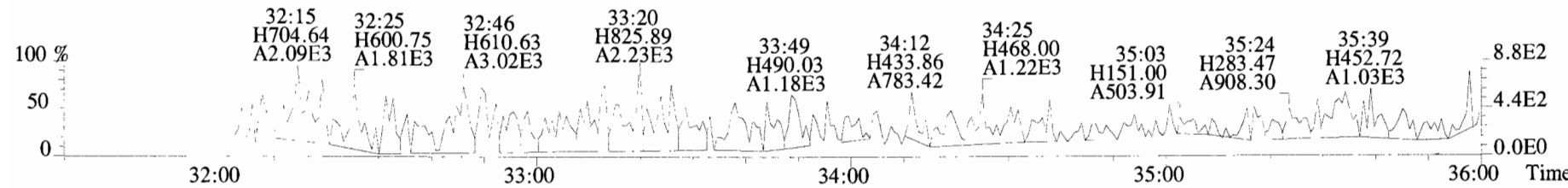
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



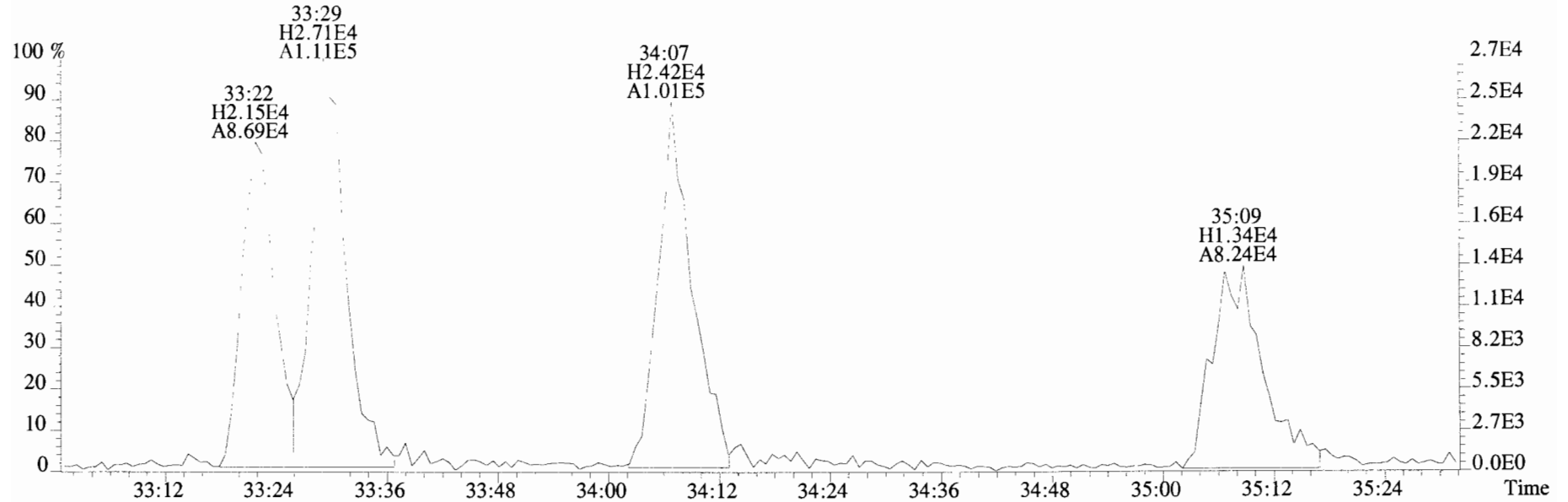
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



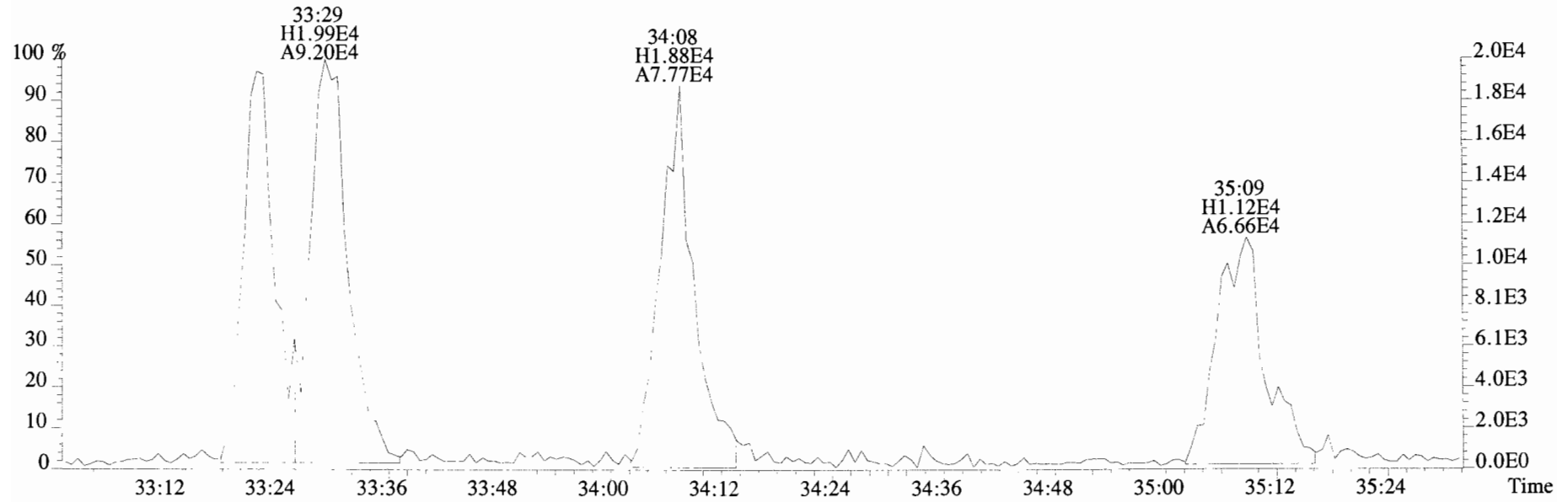
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



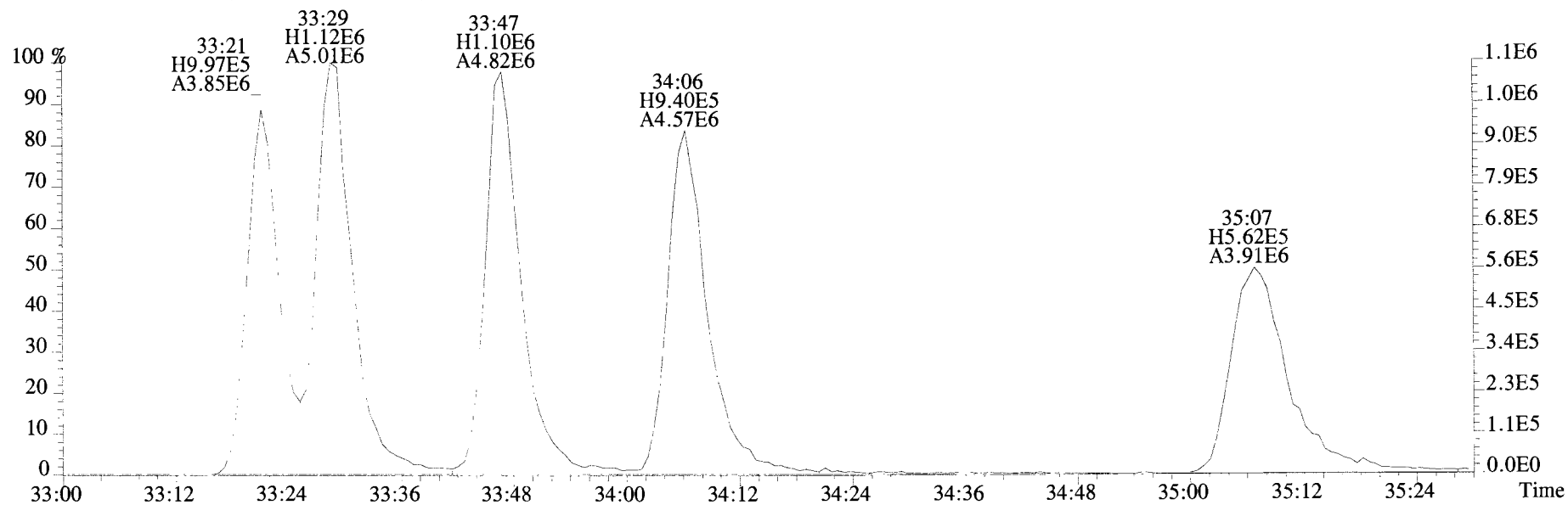
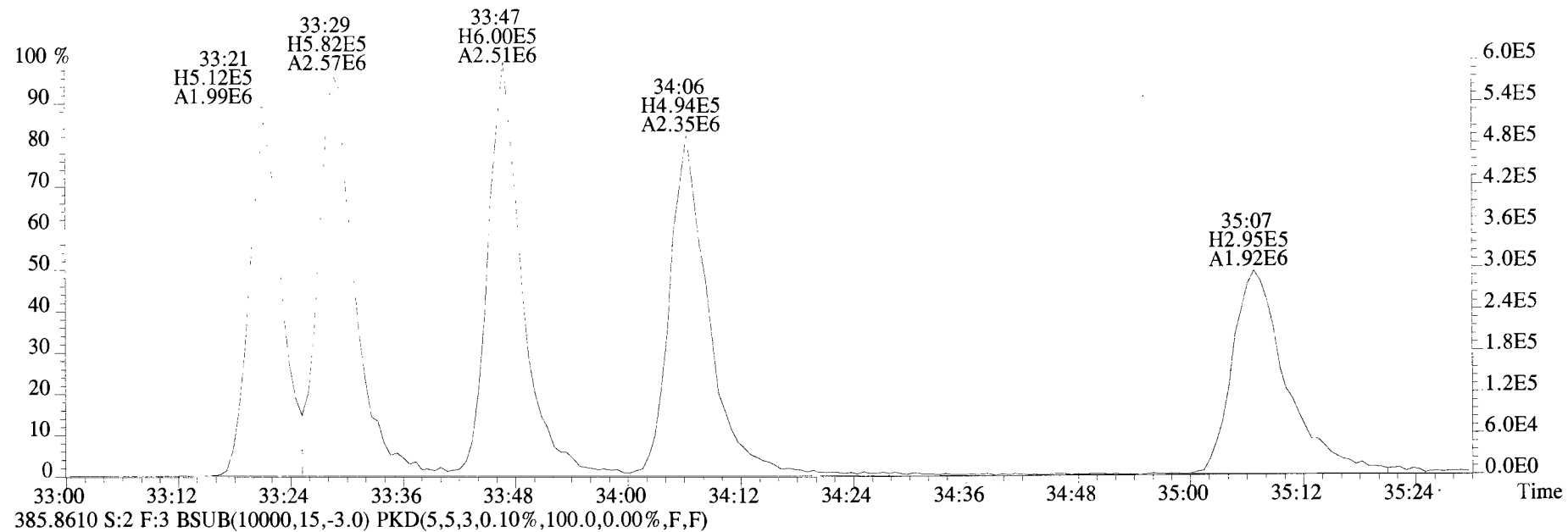
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



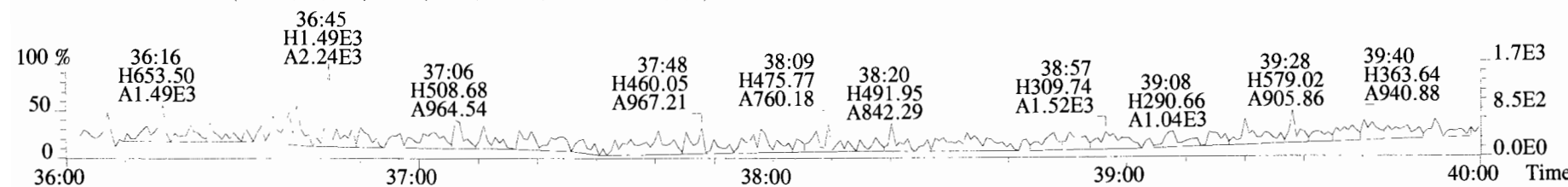
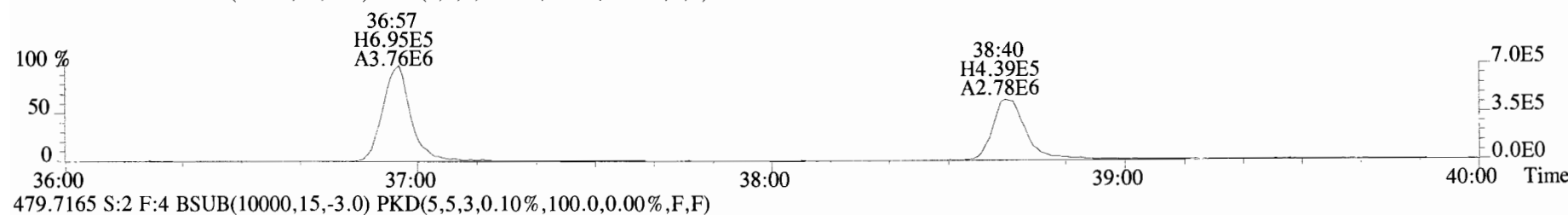
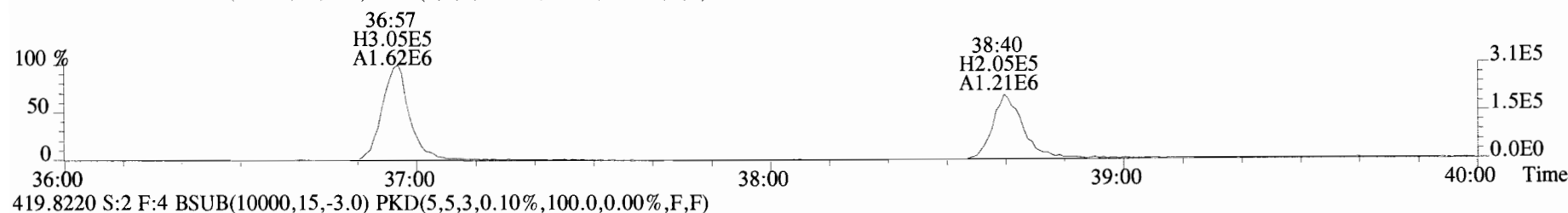
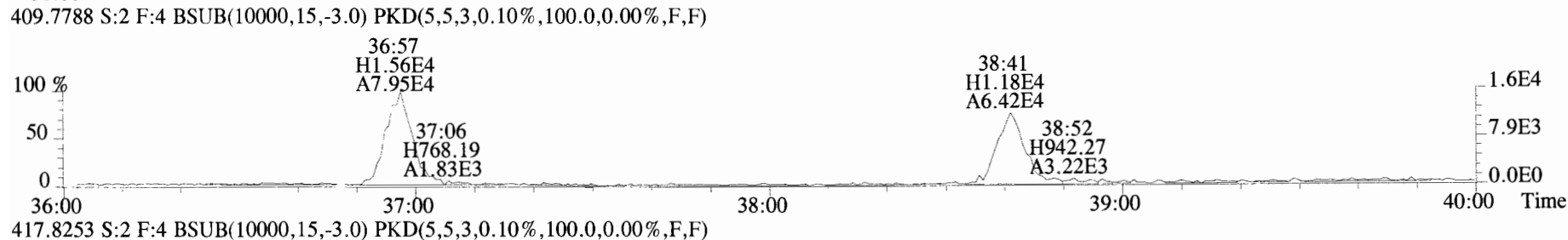
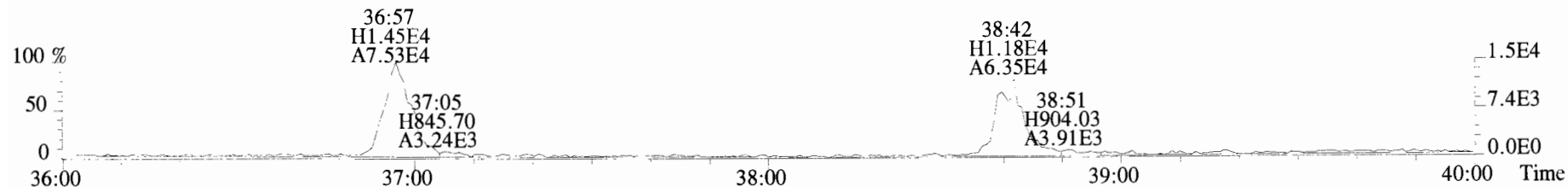
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



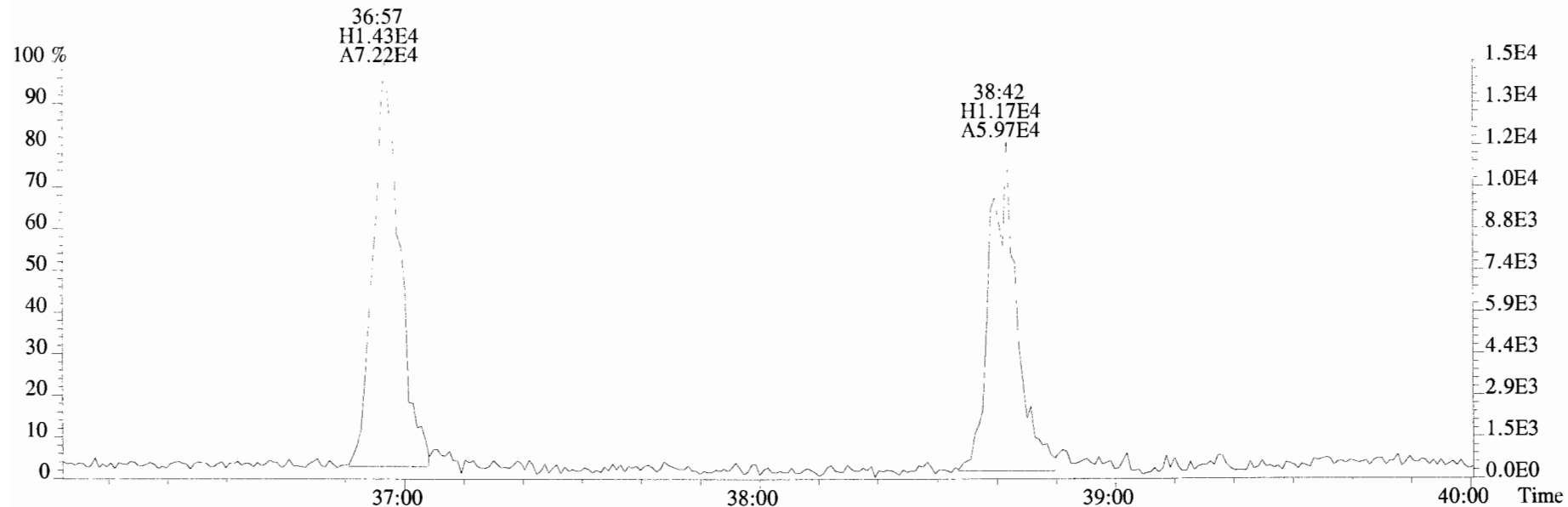
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



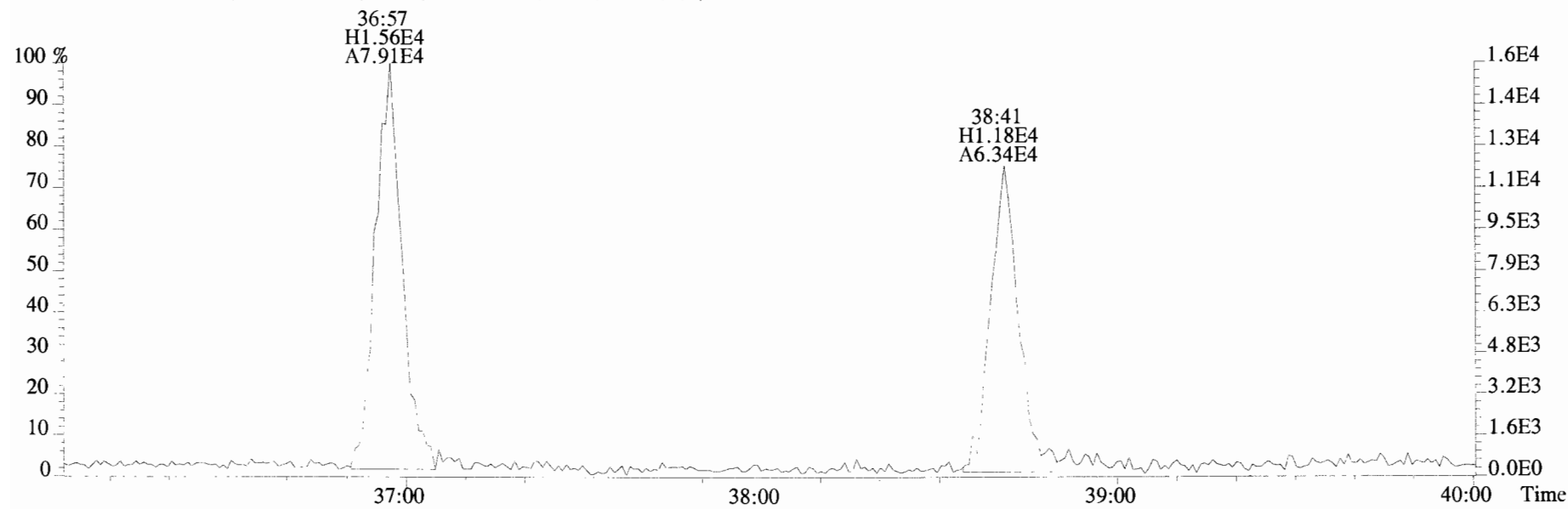
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



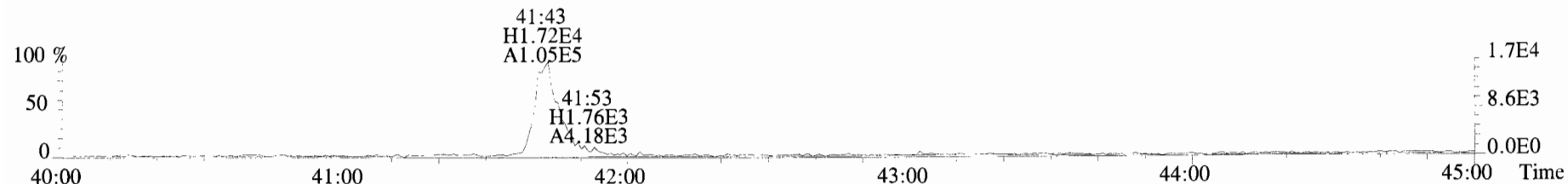
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



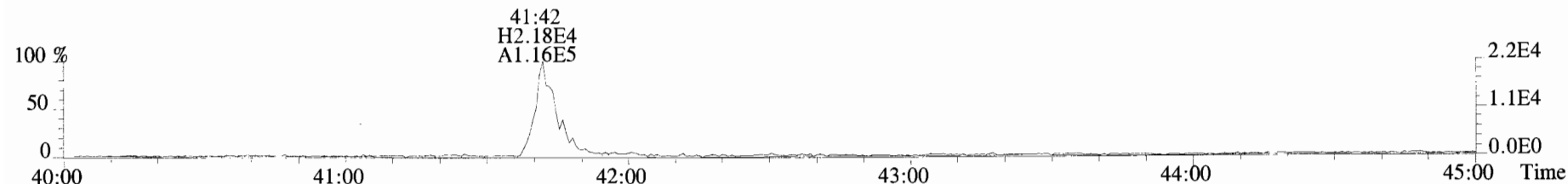
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



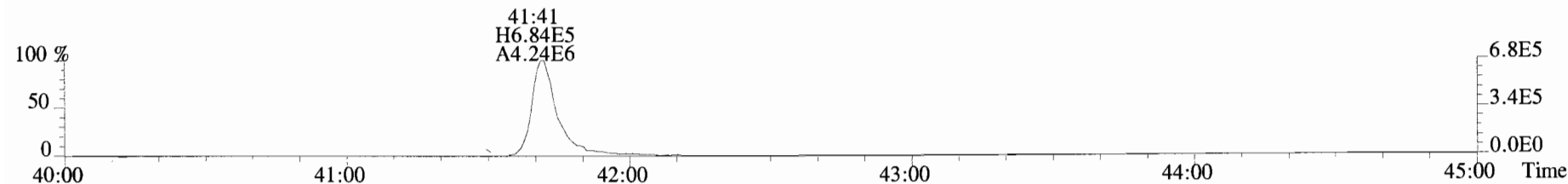
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



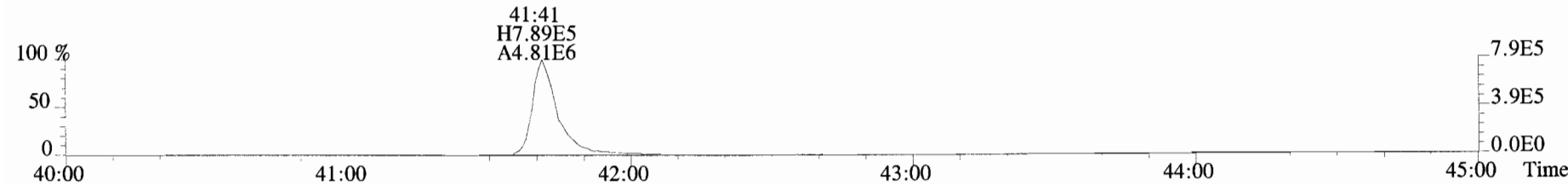
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



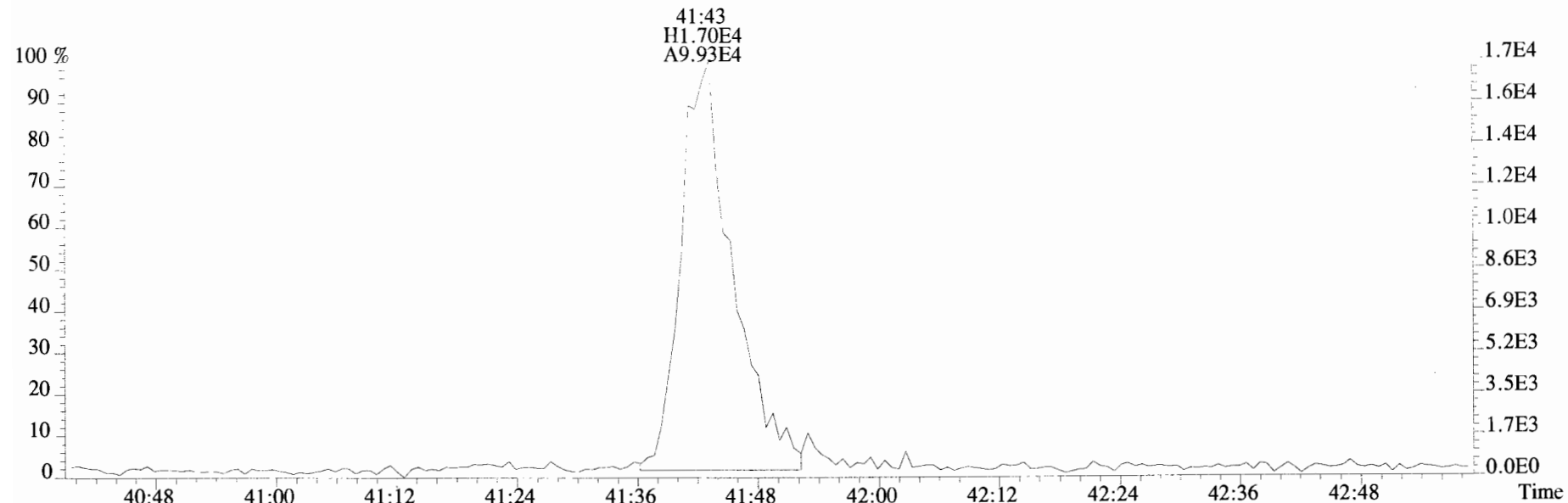
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



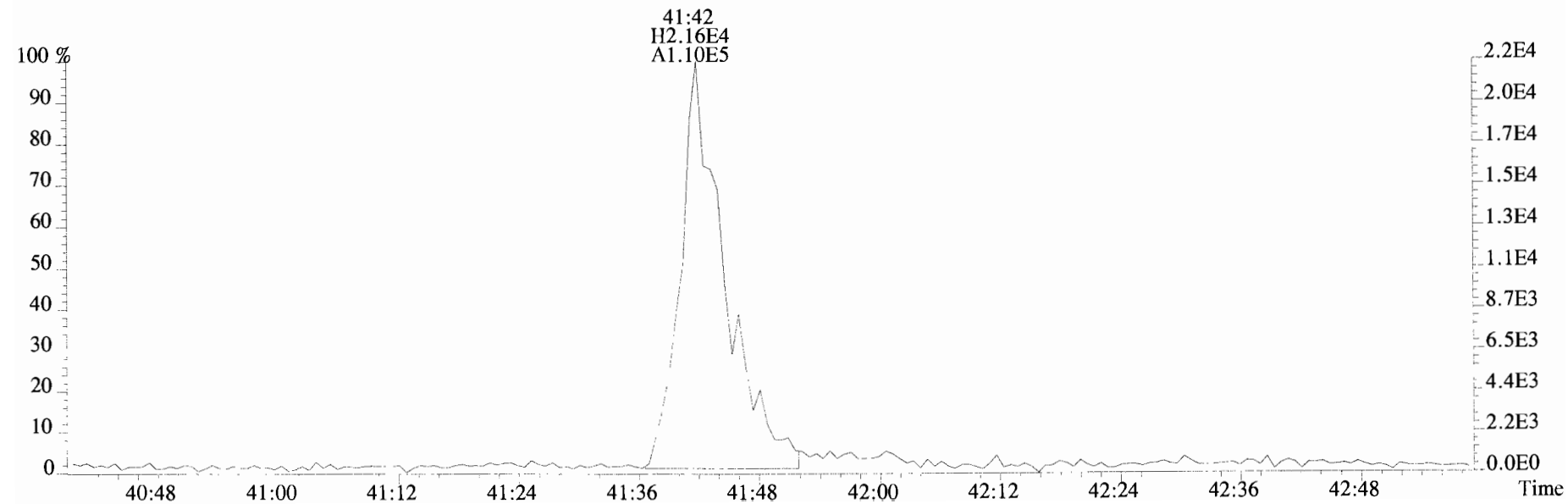
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



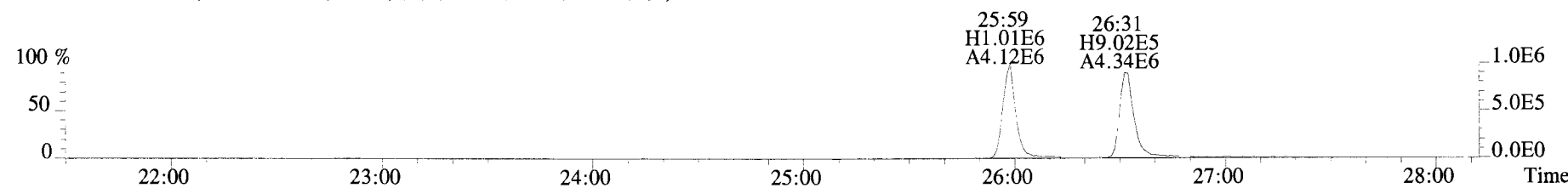
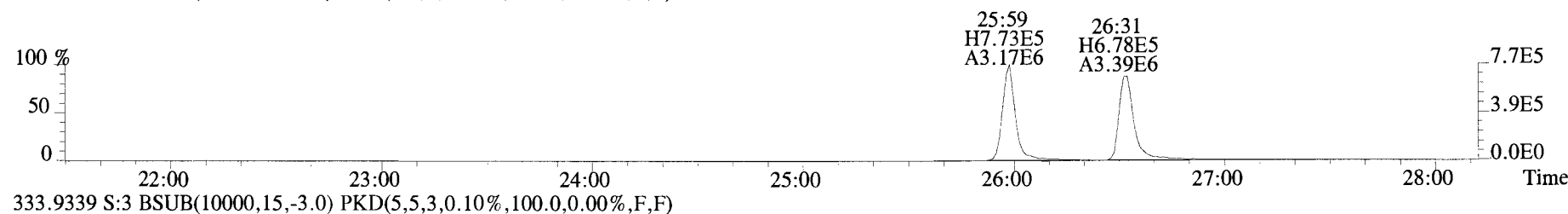
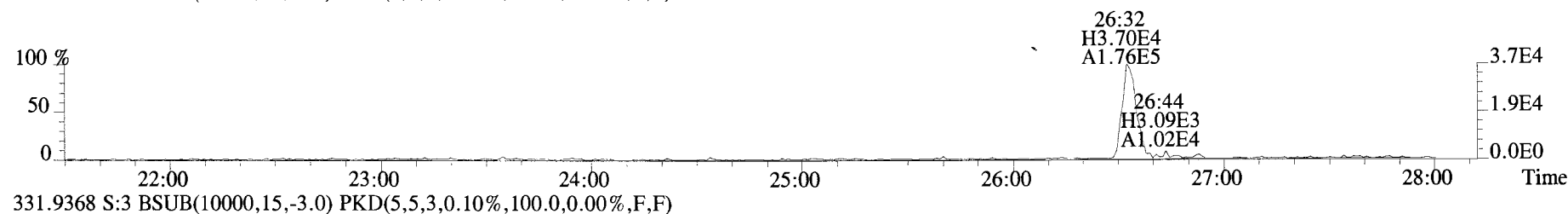
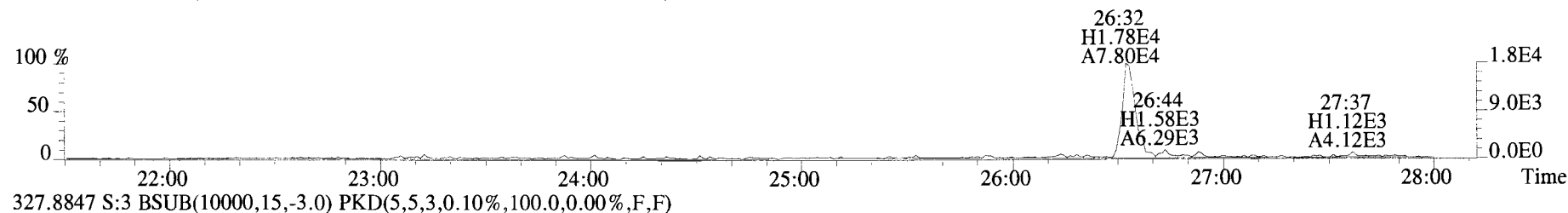
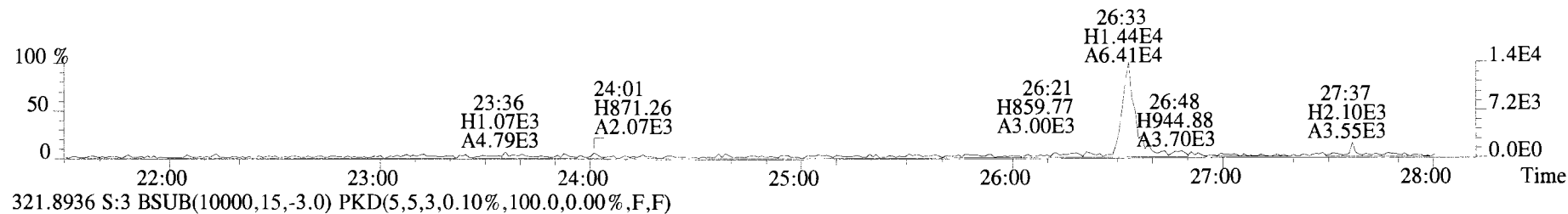
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



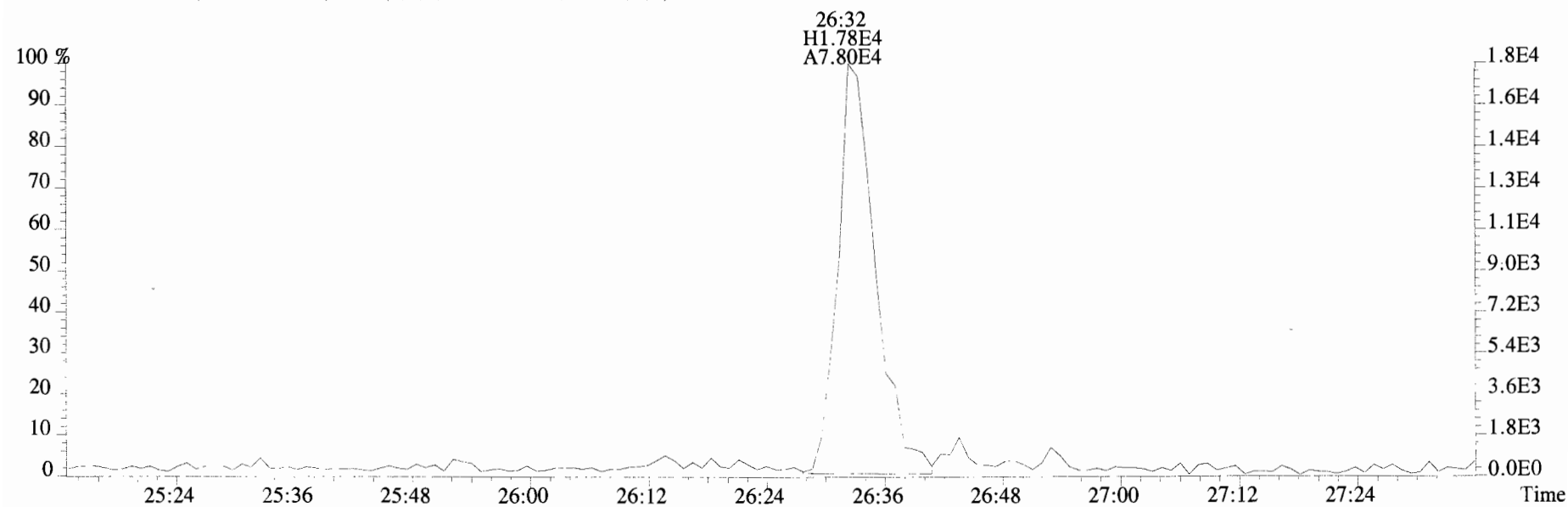
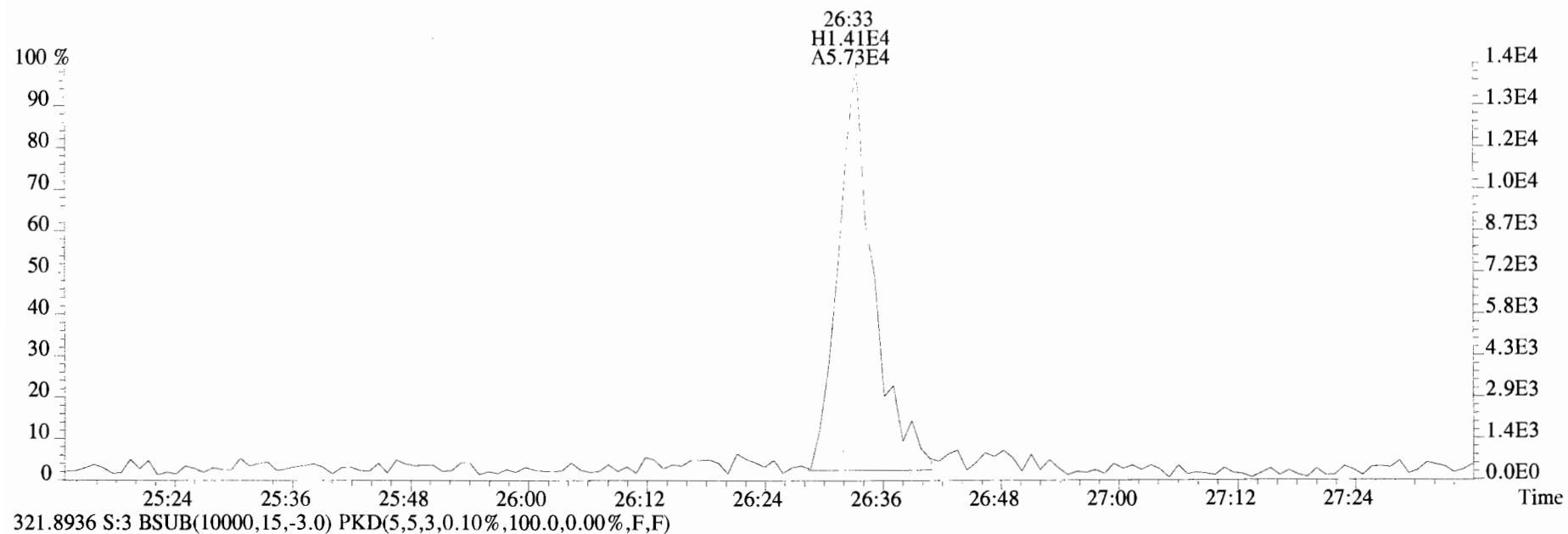
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



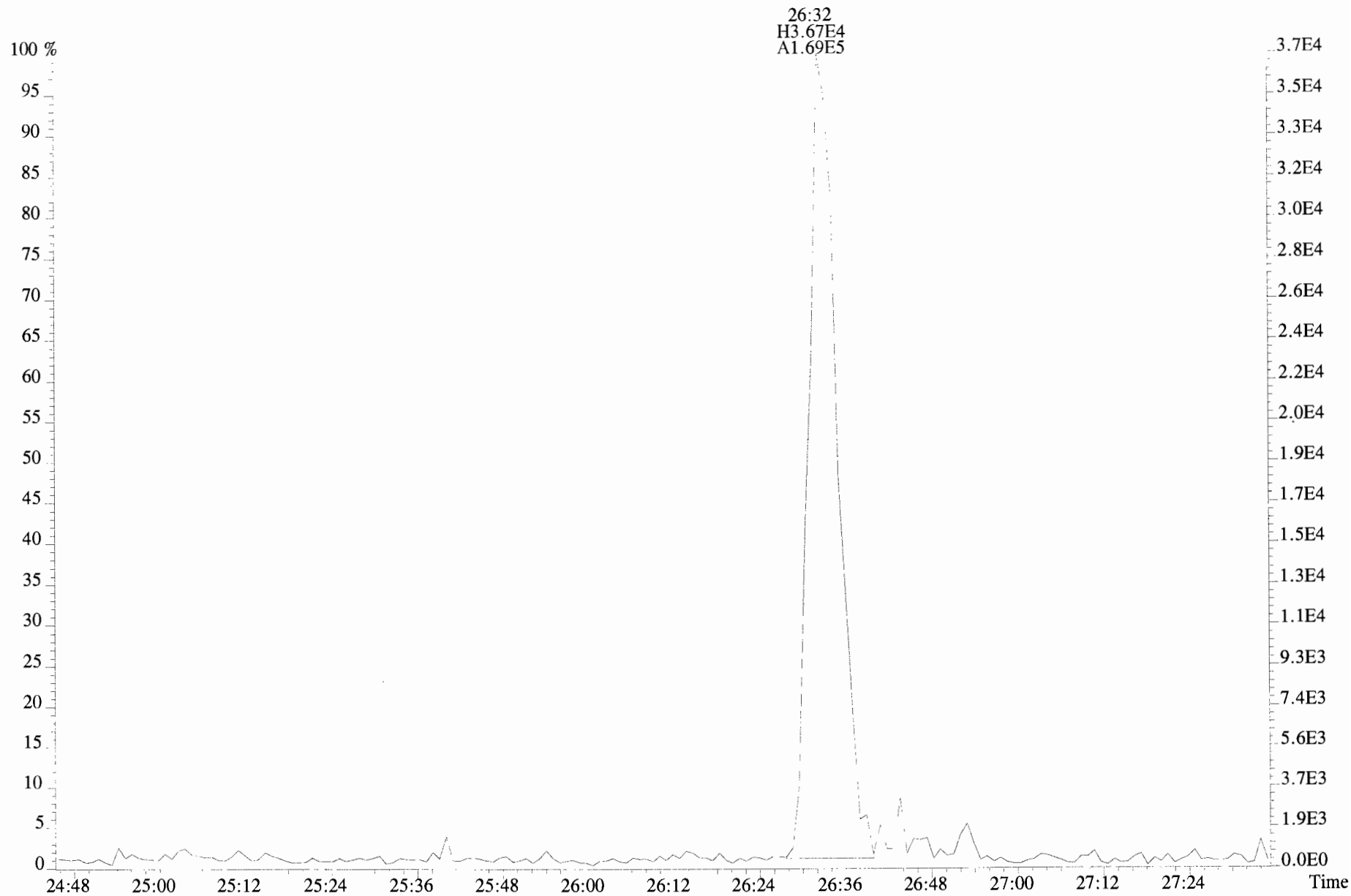
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



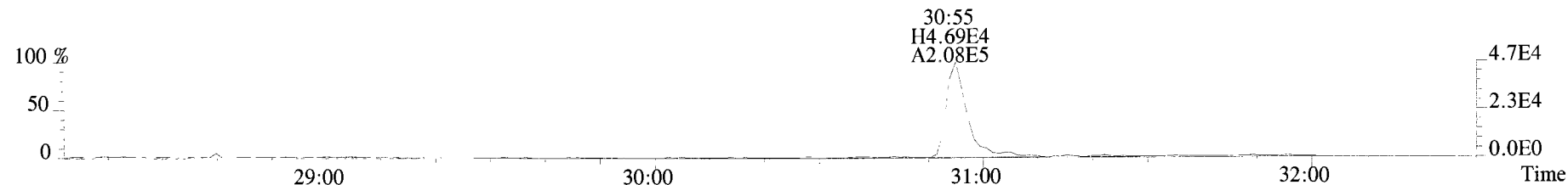
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



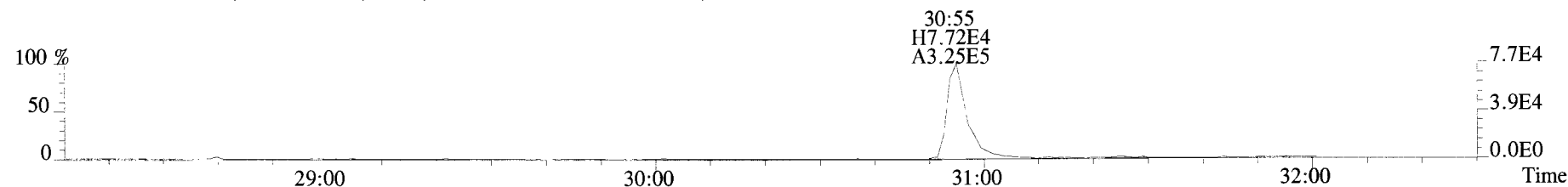
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



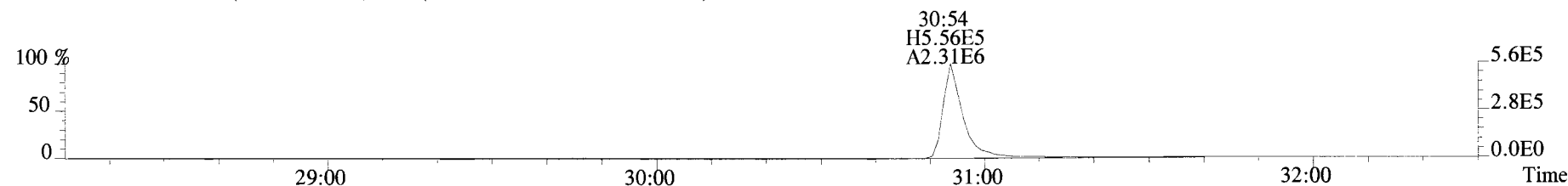
File:191009D1 #1-211 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
353.8576 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



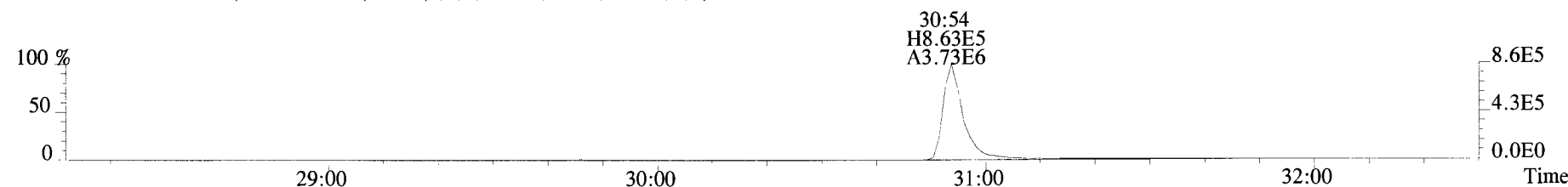
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



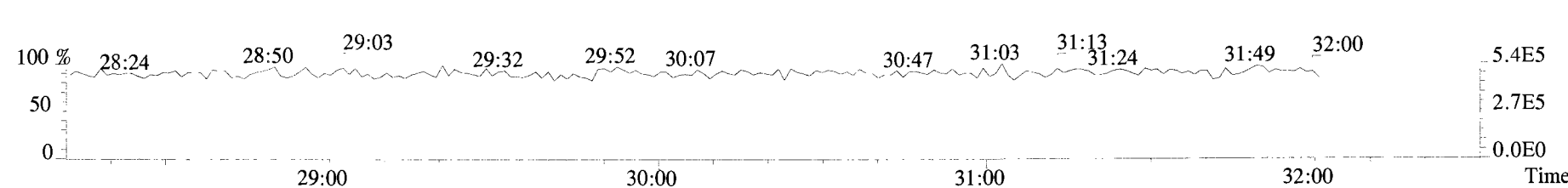
365.8978 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



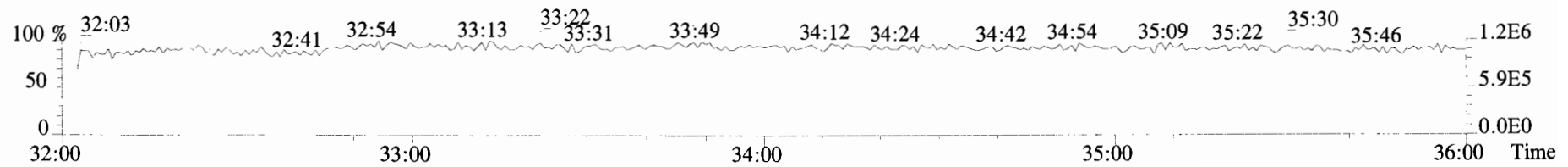
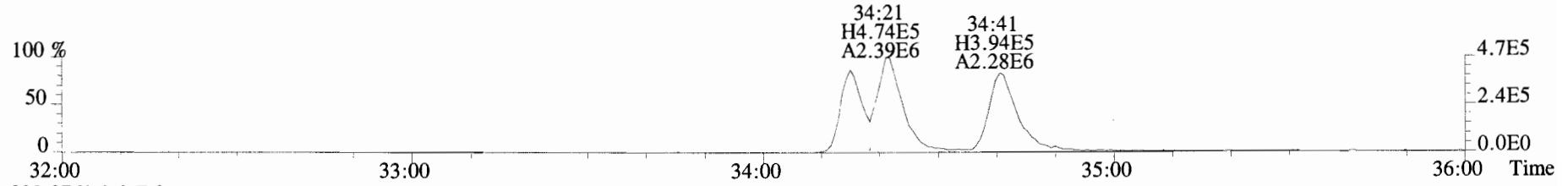
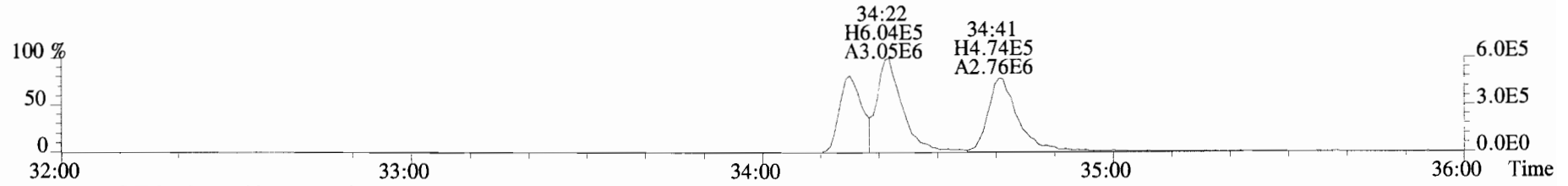
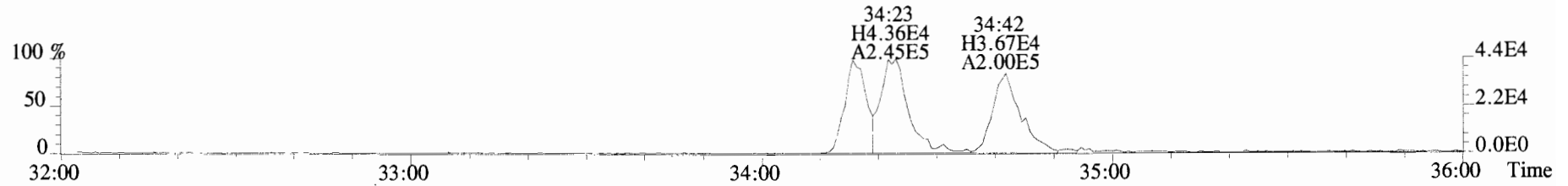
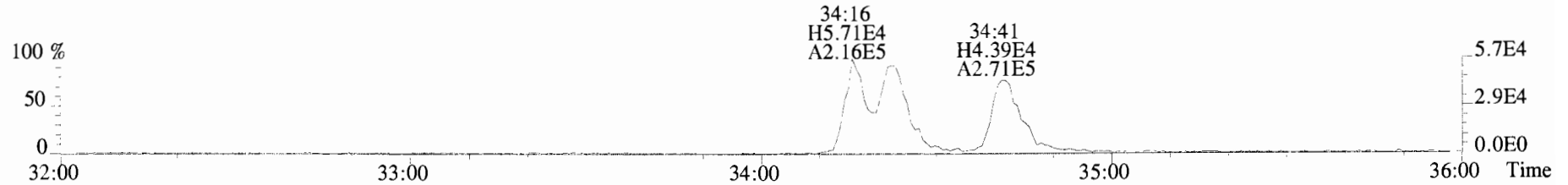
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



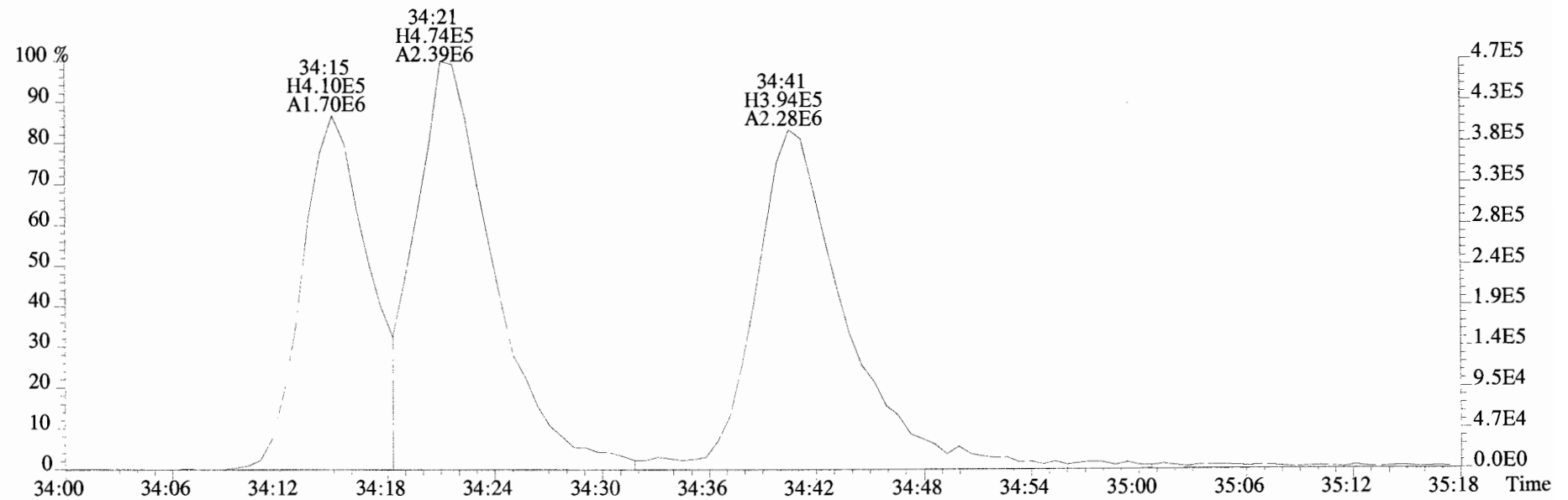
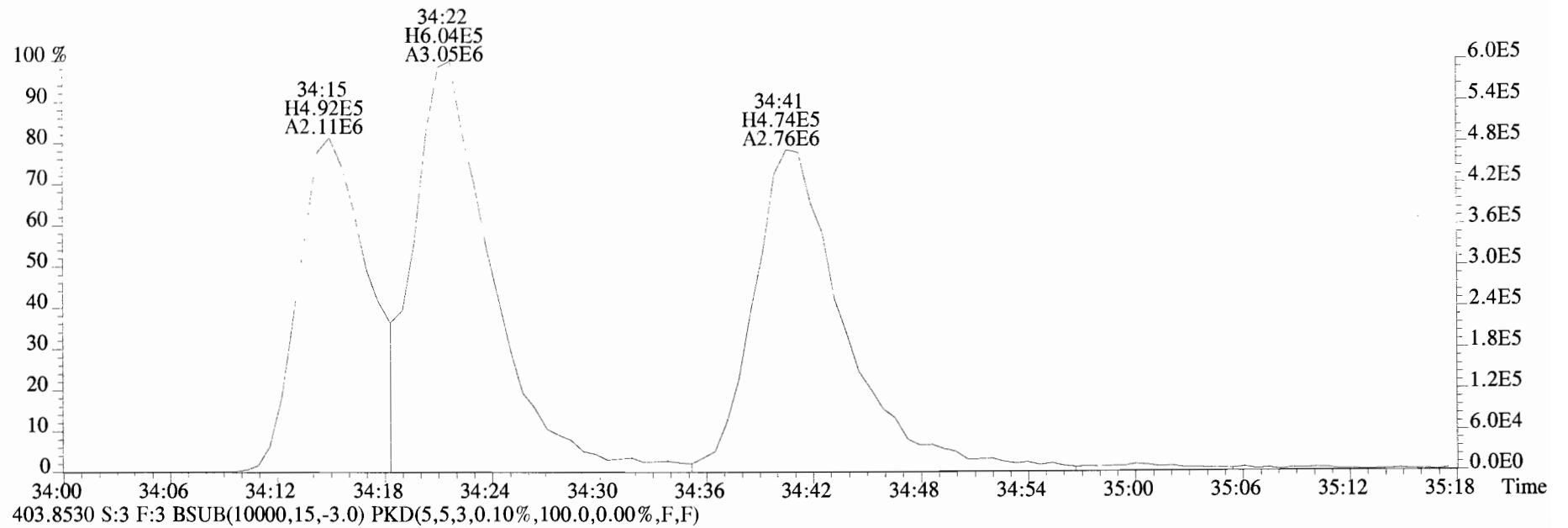
366.9792 S:3 F:2



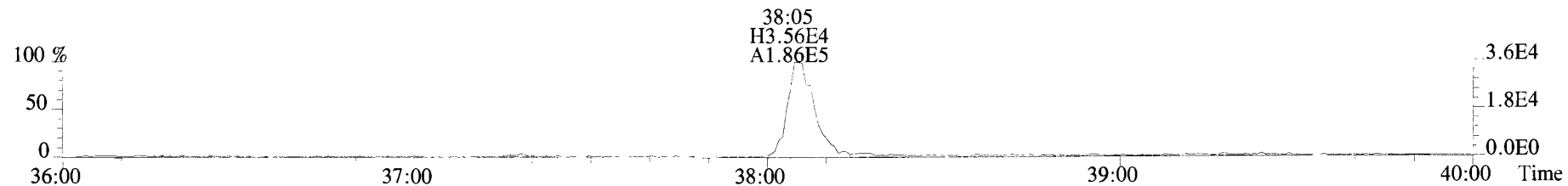
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



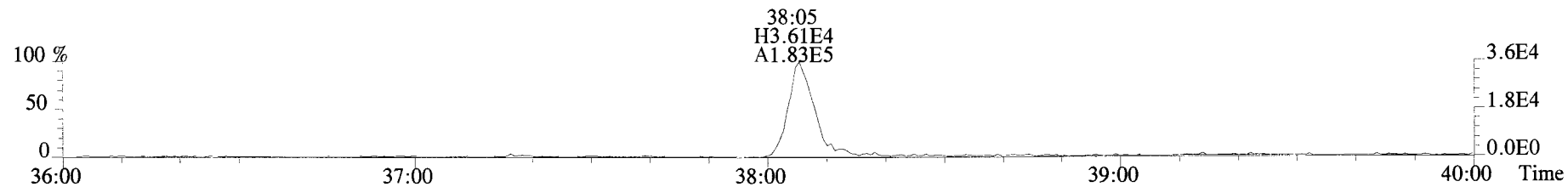
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



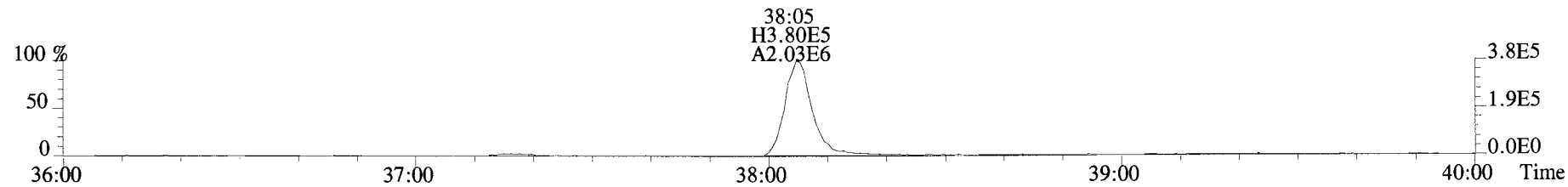
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



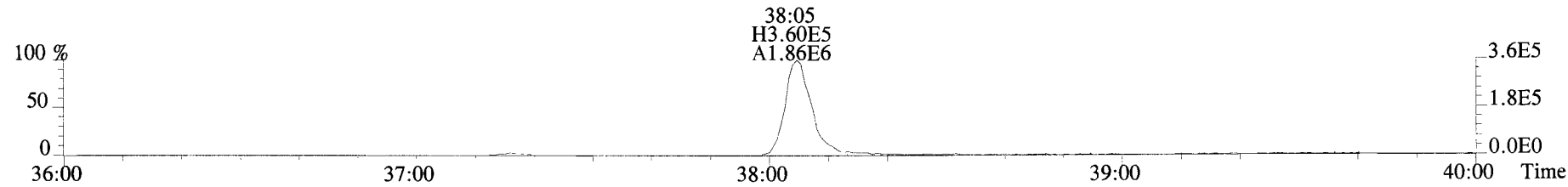
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



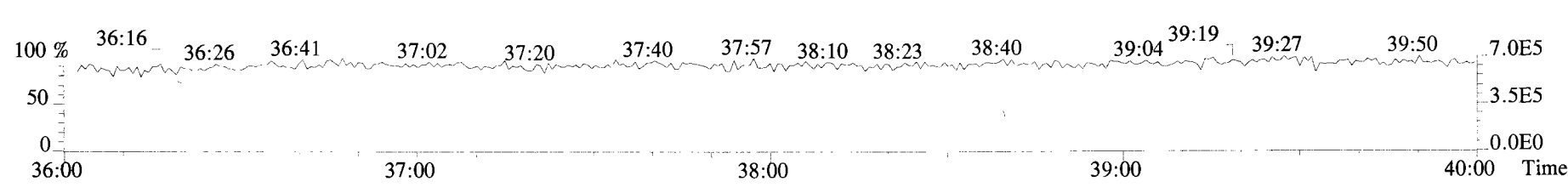
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



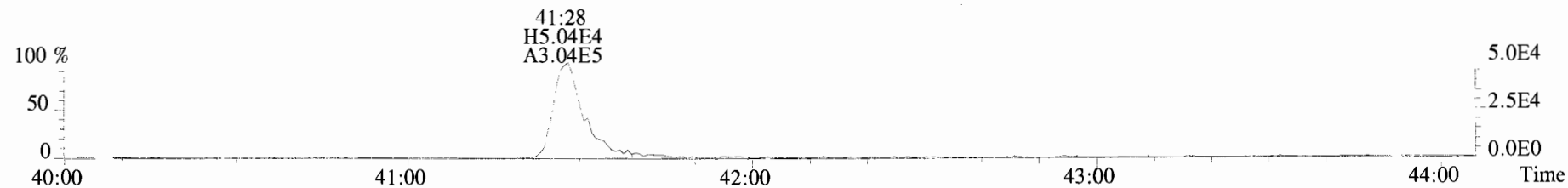
437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



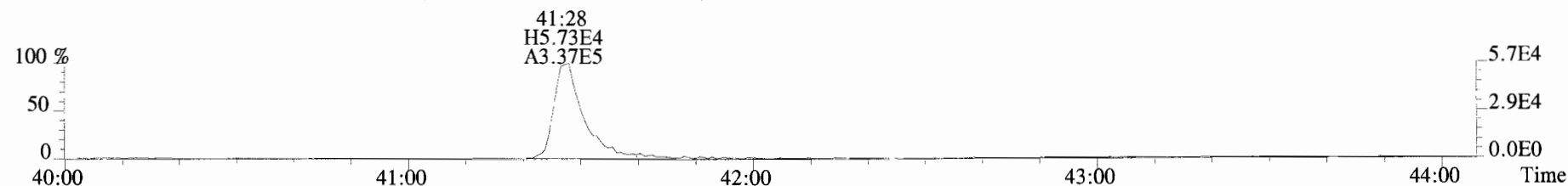
454.9728 S:3 F:4



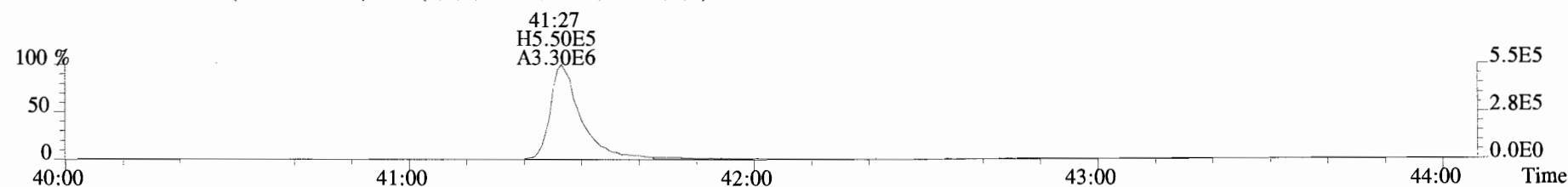
File:191009D1 #1-432 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



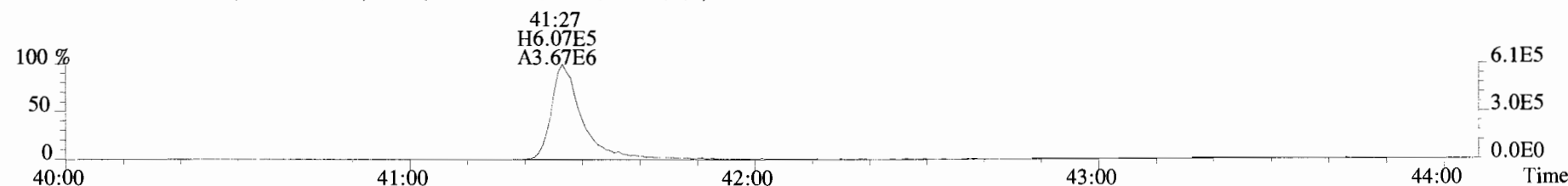
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



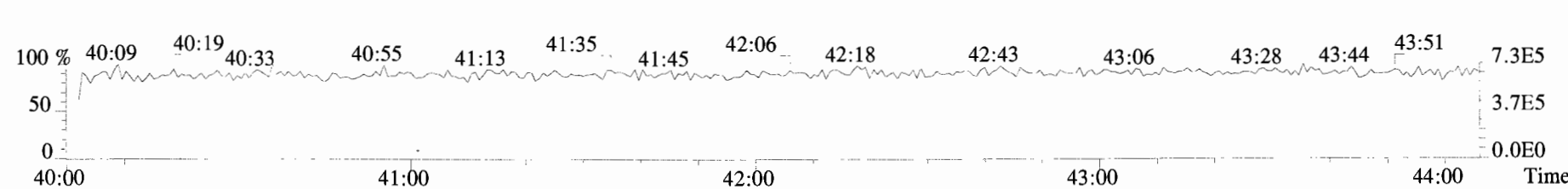
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



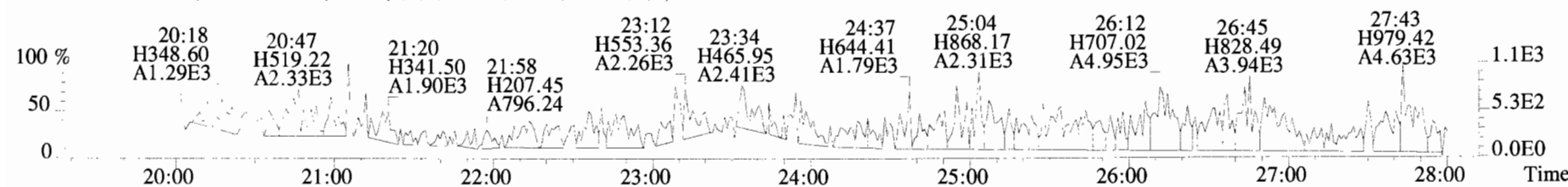
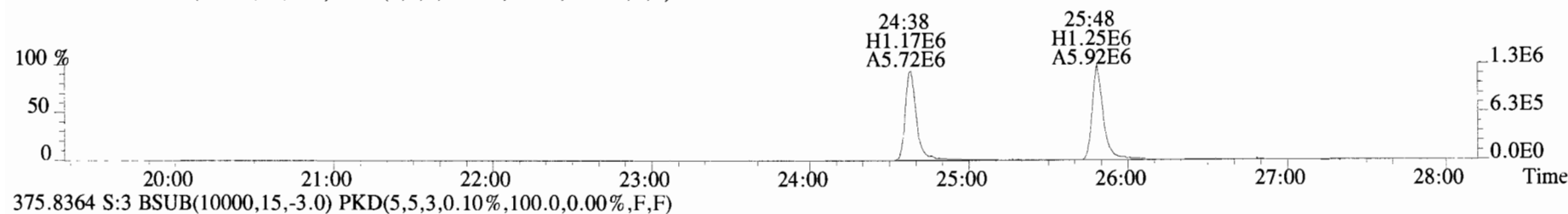
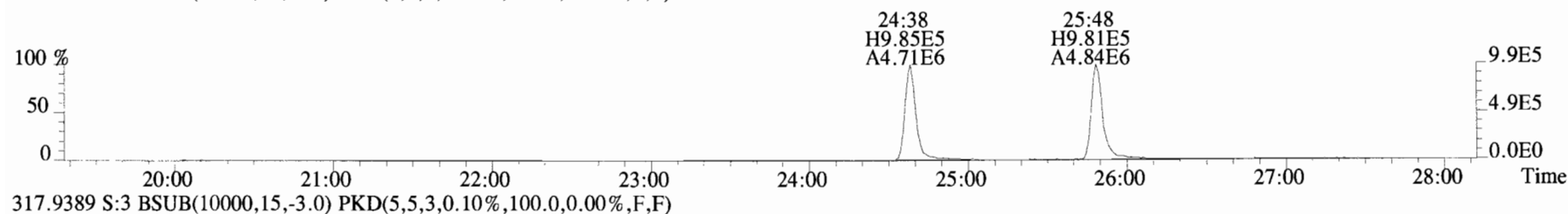
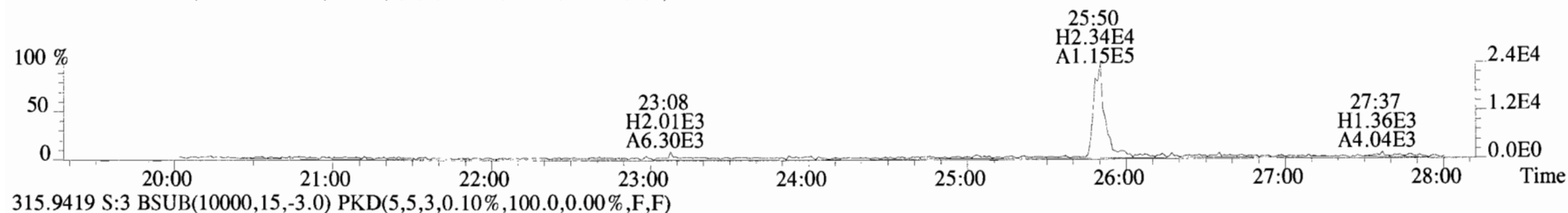
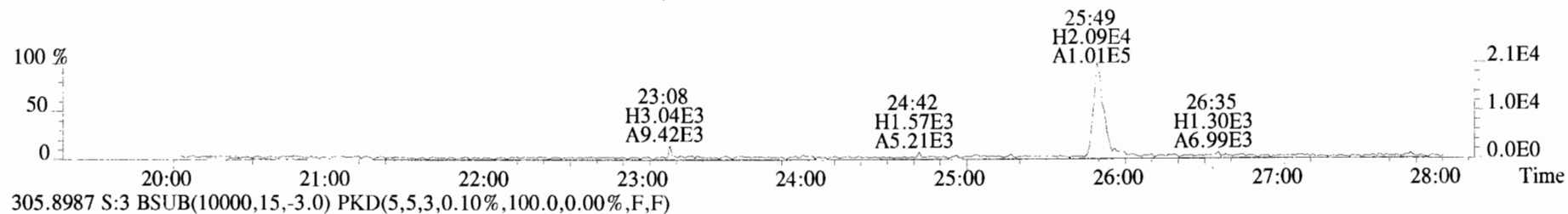
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



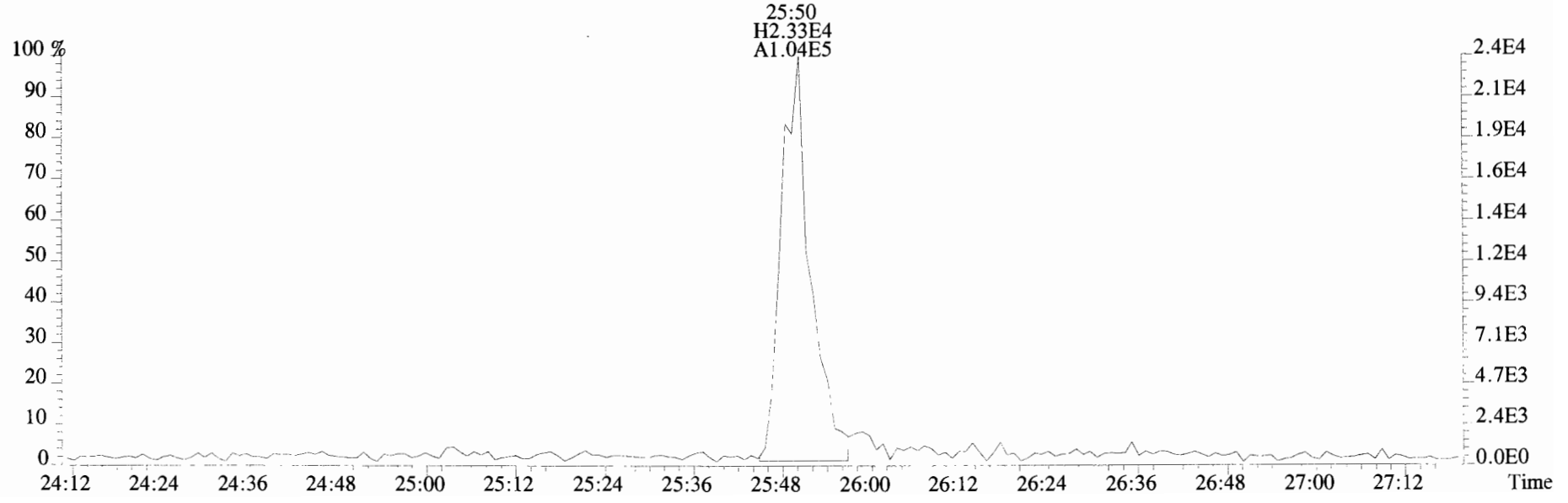
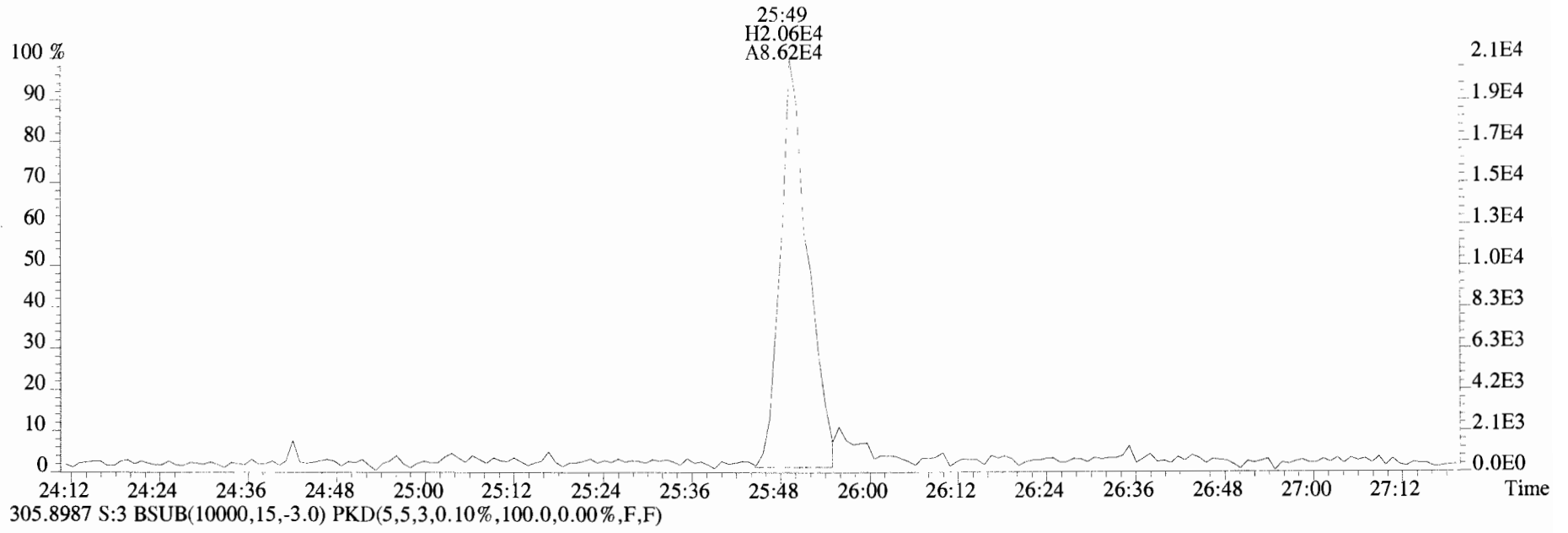
454.9728 S:3 F:5



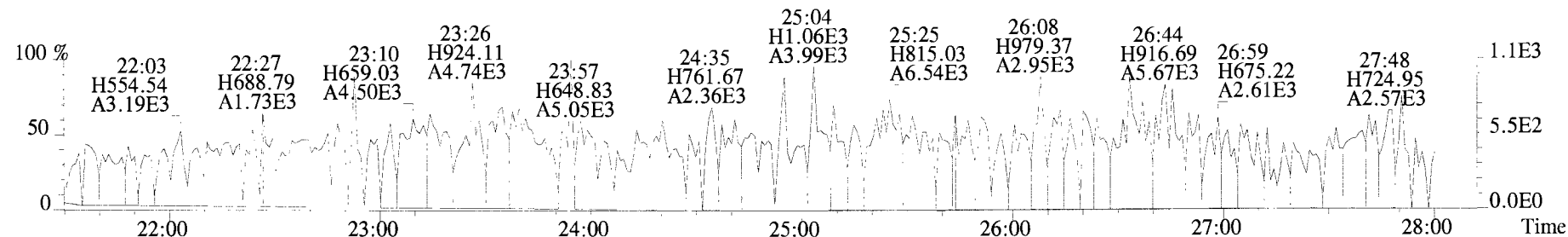
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



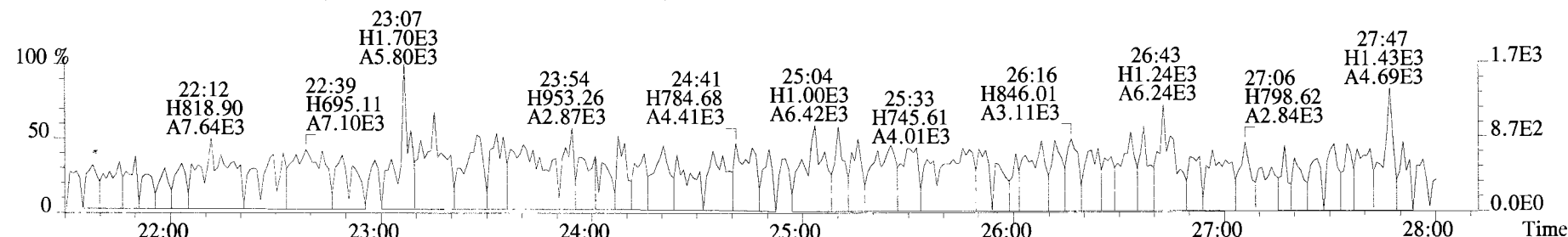
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



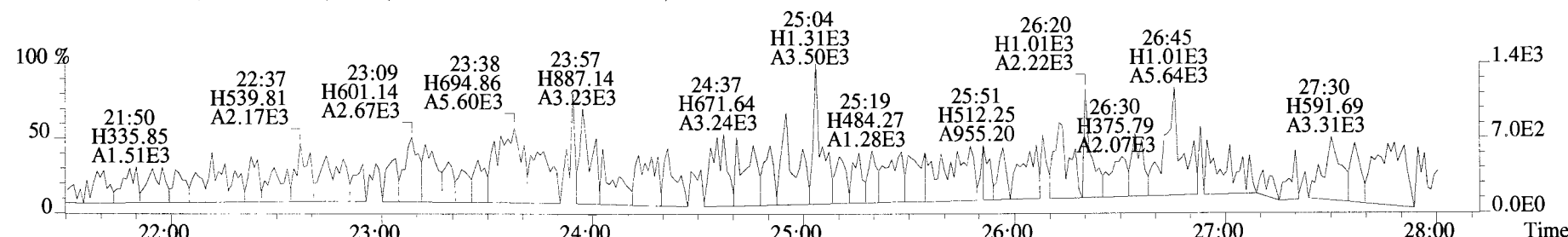
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



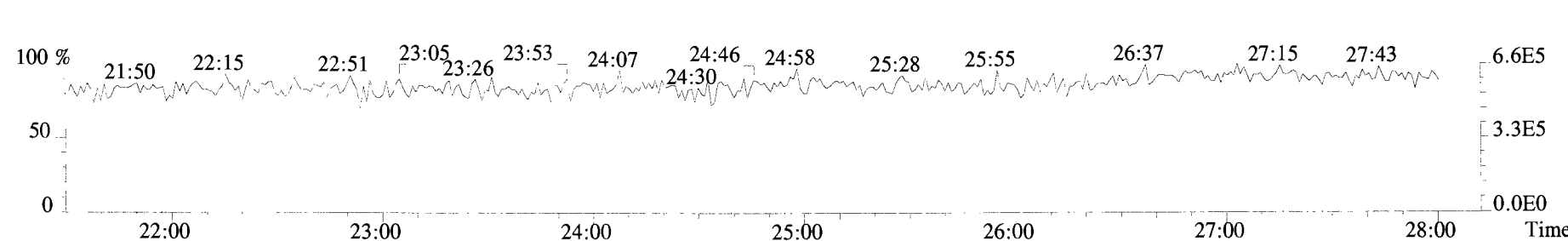
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



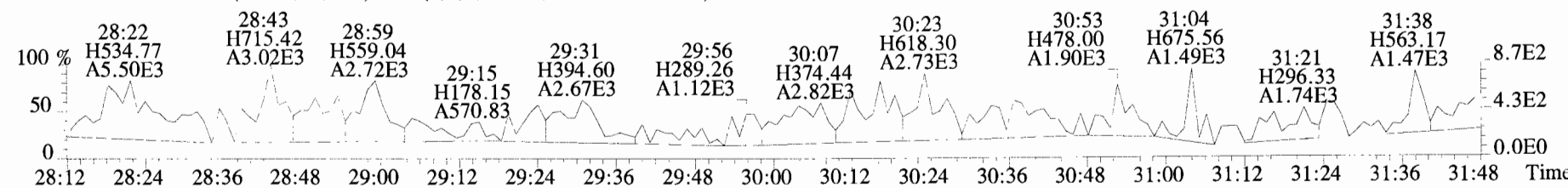
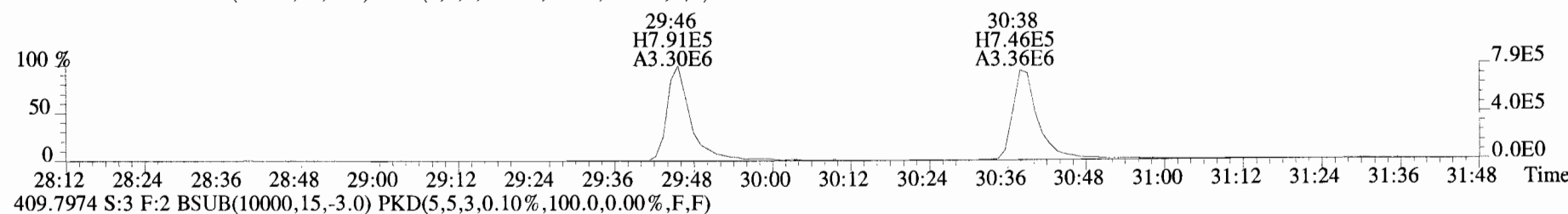
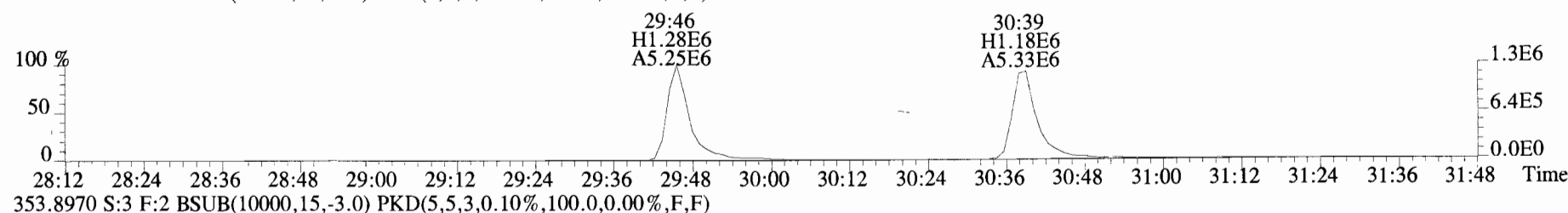
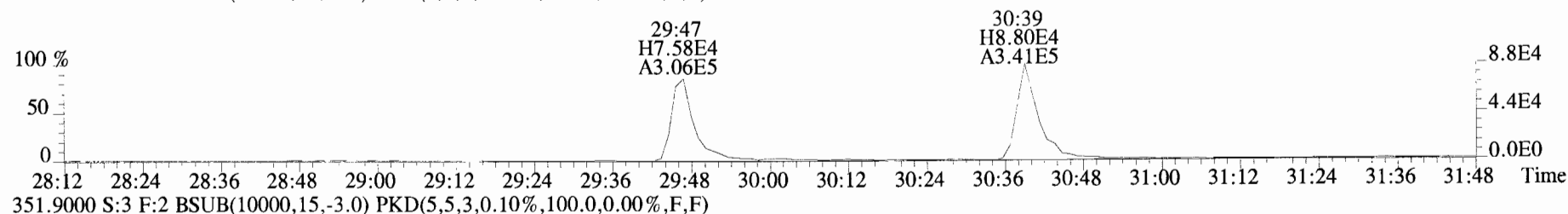
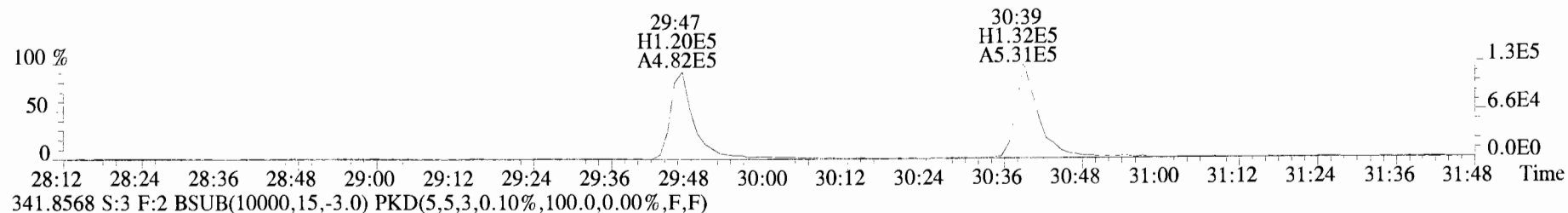
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



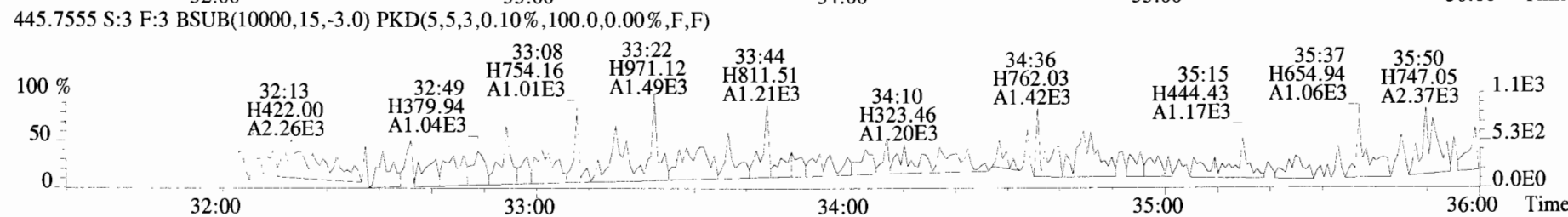
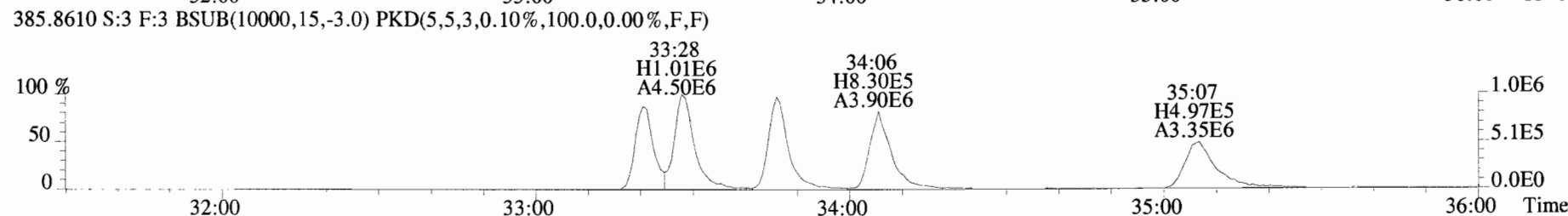
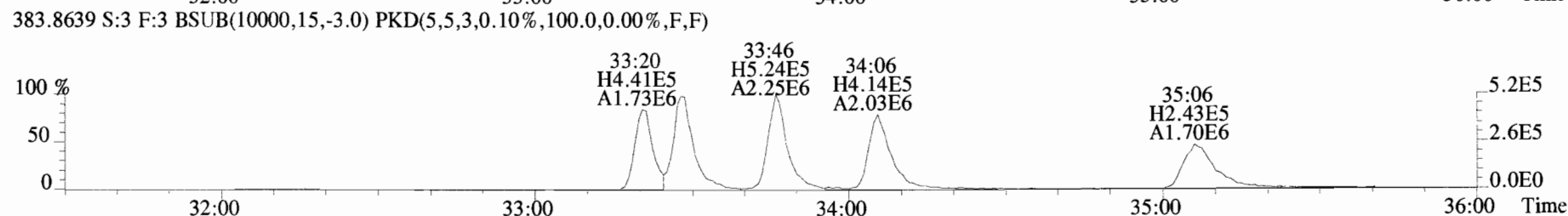
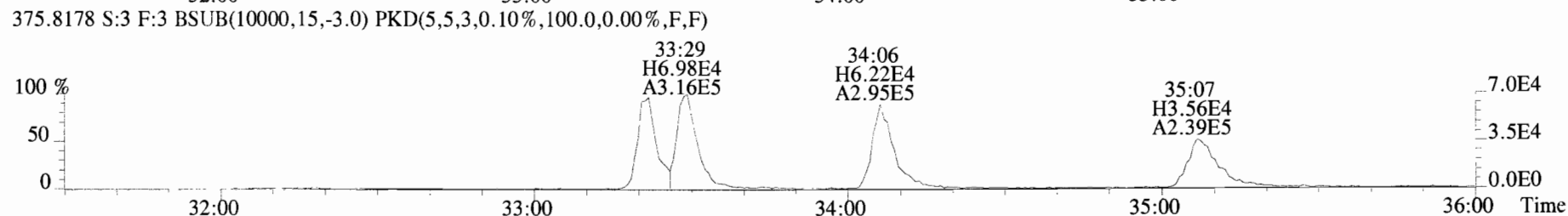
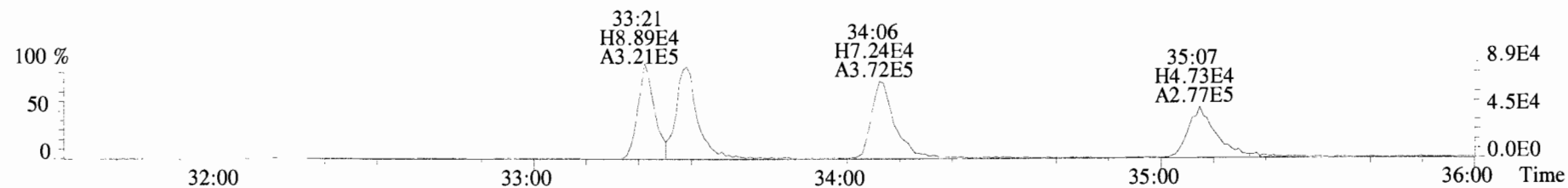
316.9824 S:3



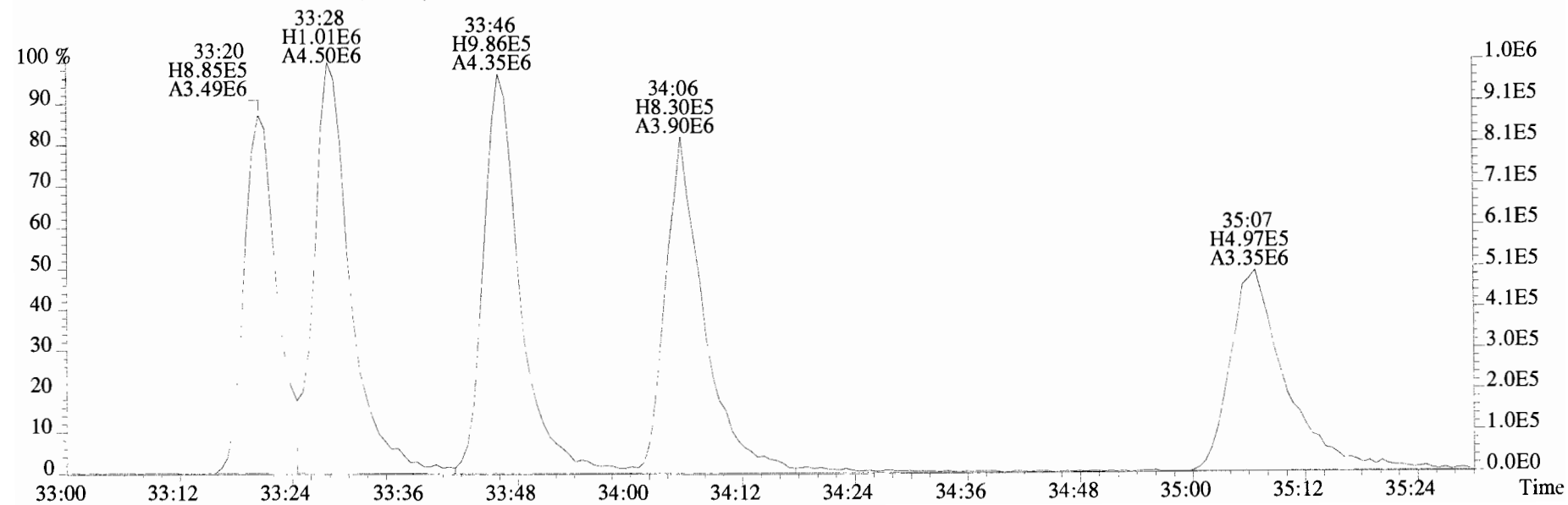
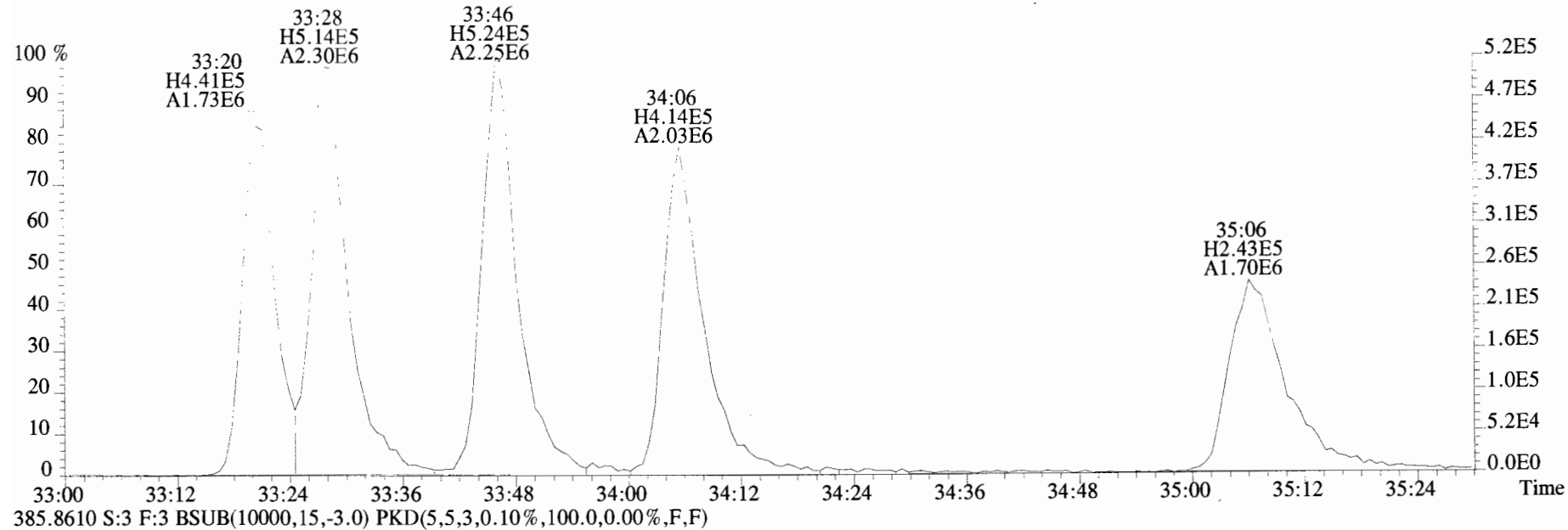
File:191009D1 #1-211 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



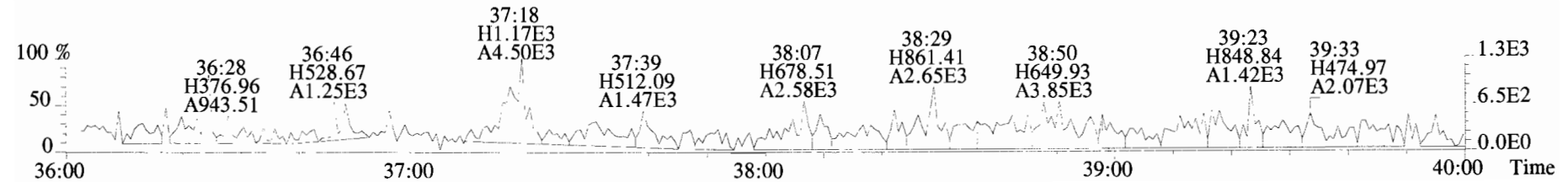
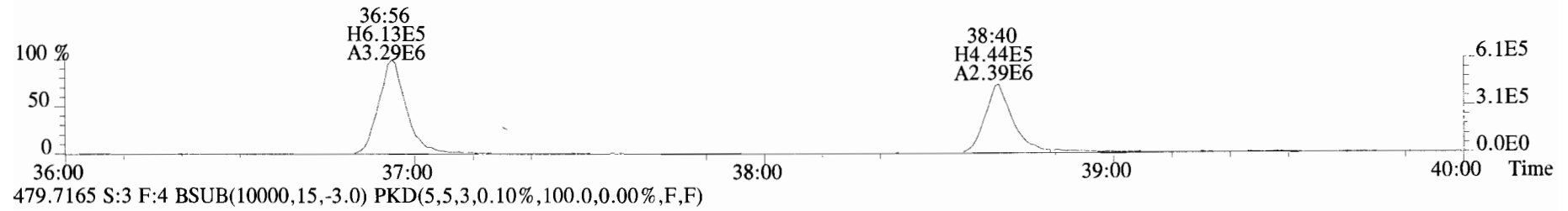
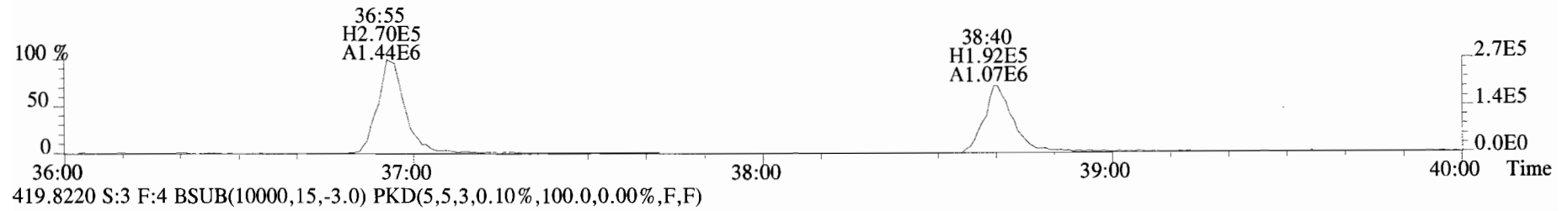
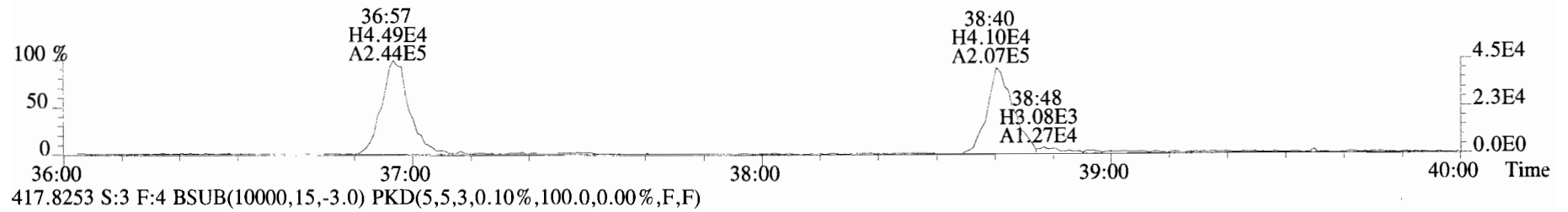
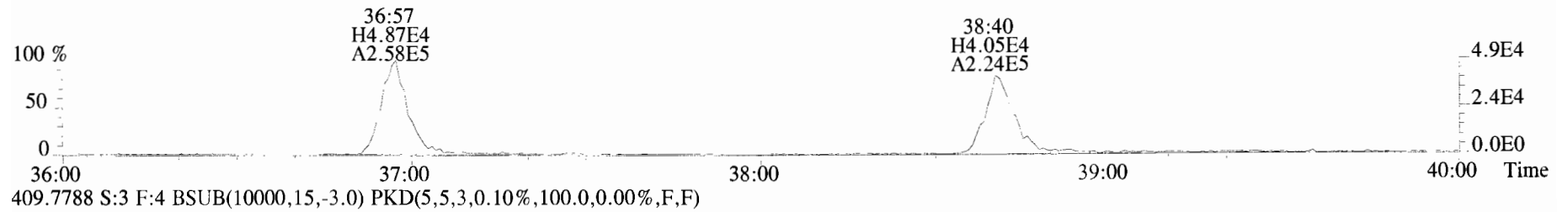
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



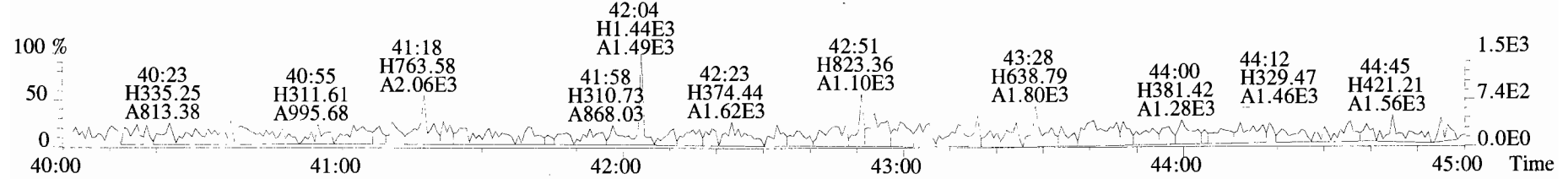
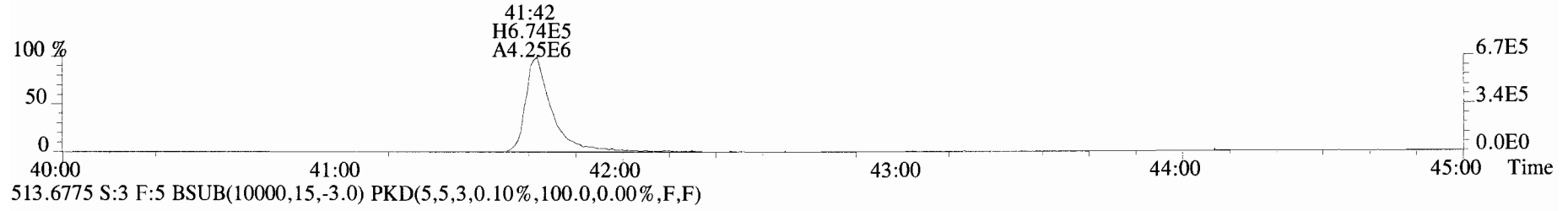
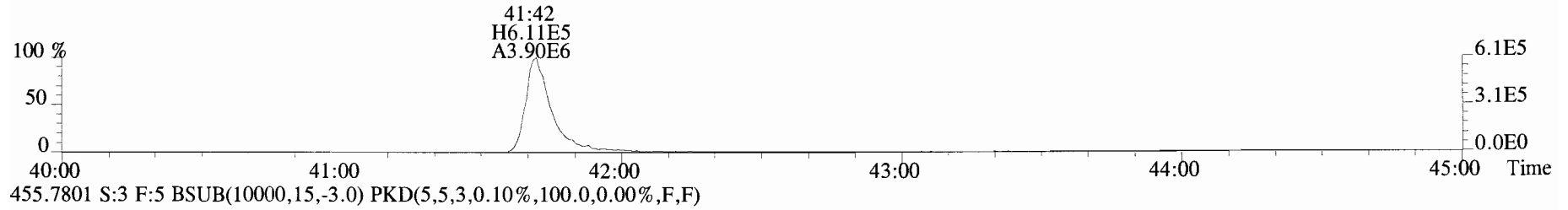
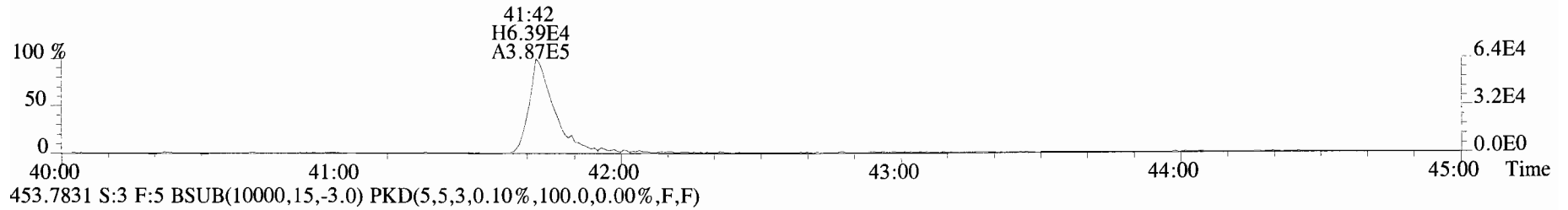
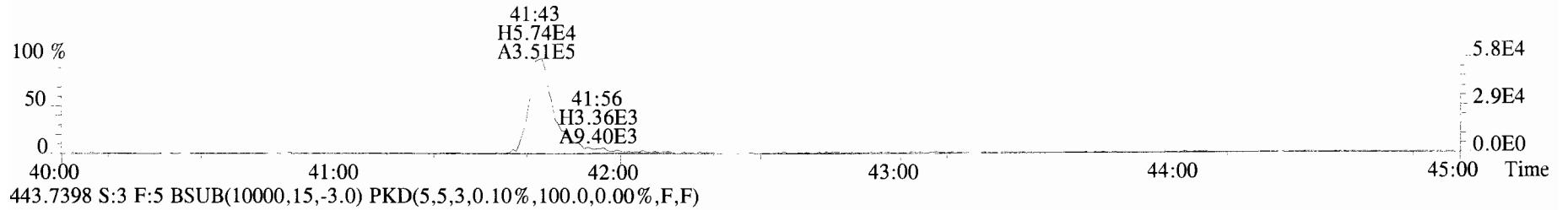
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



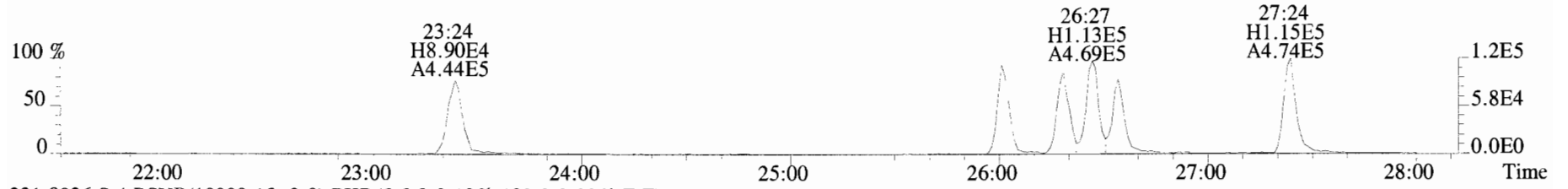
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



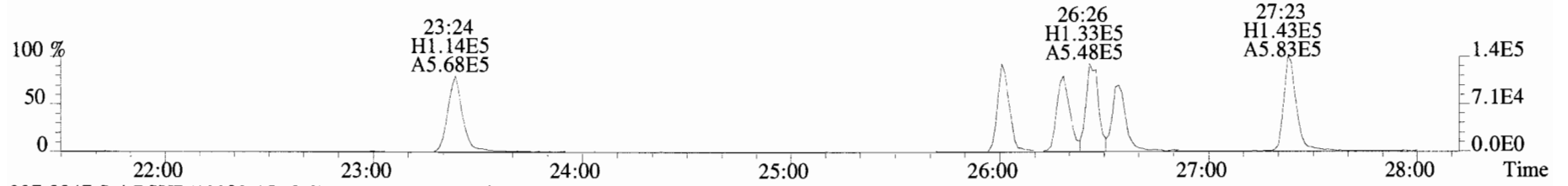
File:191009D1 #1-432 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



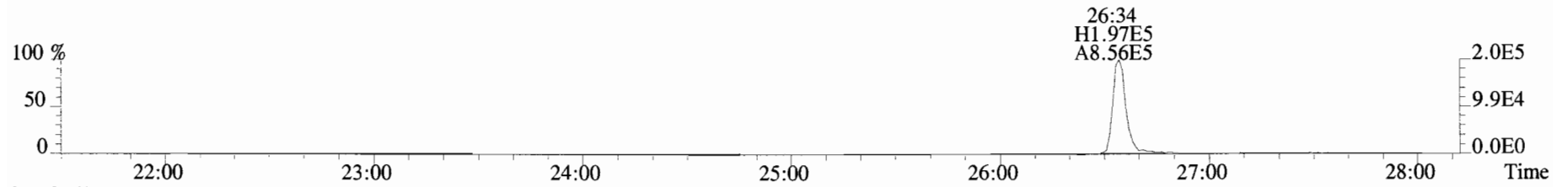
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



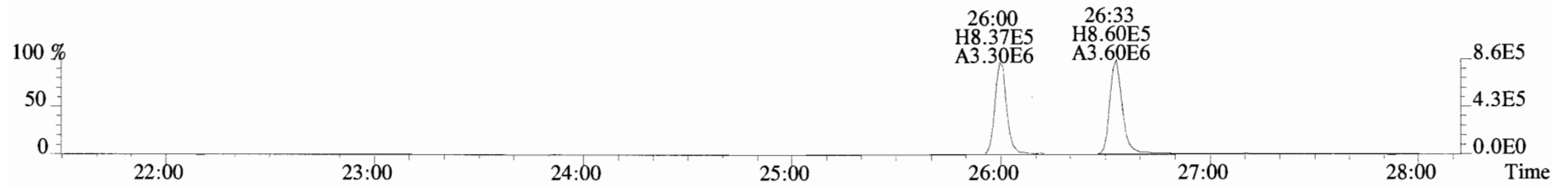
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



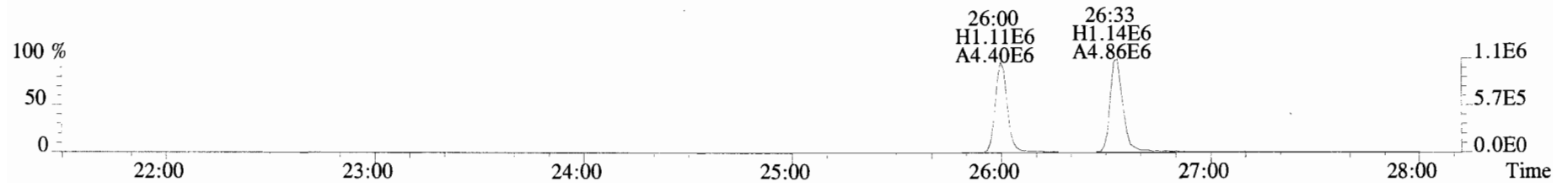
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



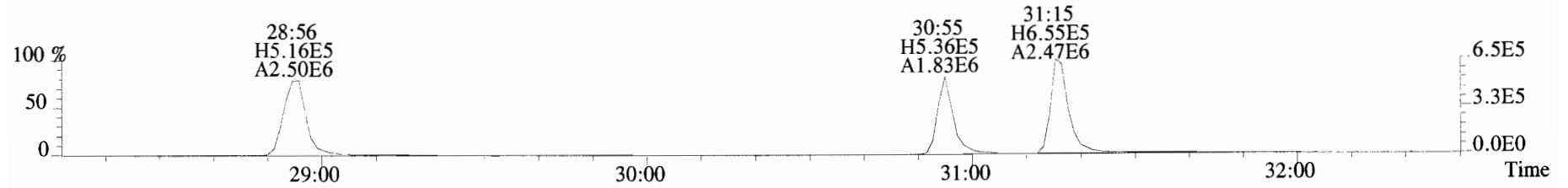
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



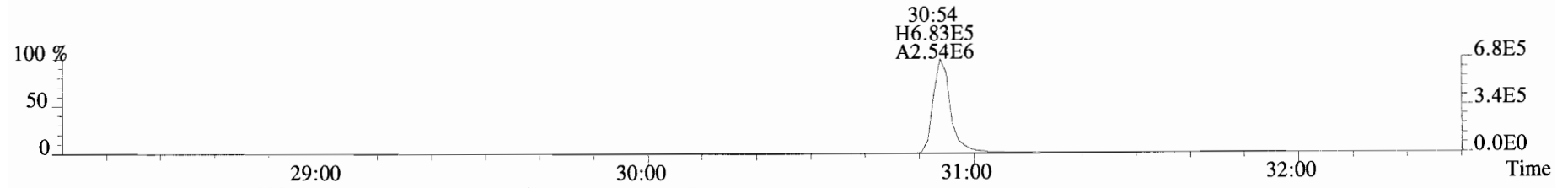
File:191009D1 #1-211 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



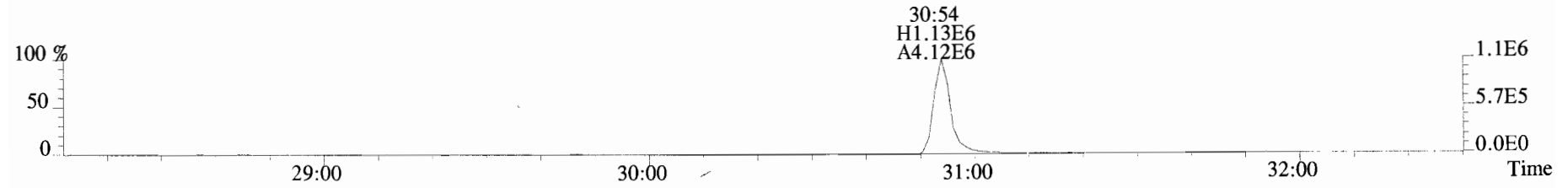
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



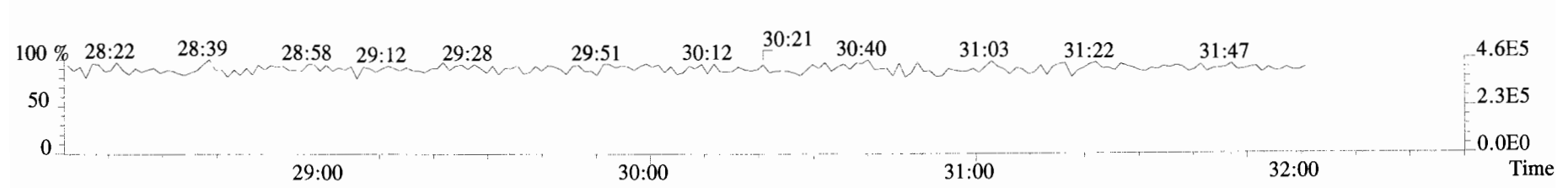
365.8978 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



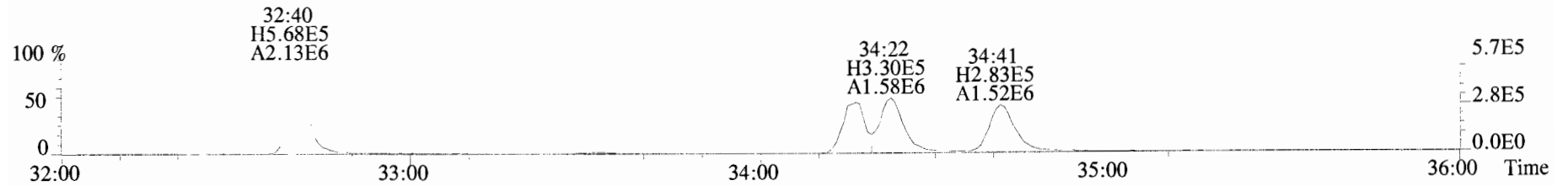
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



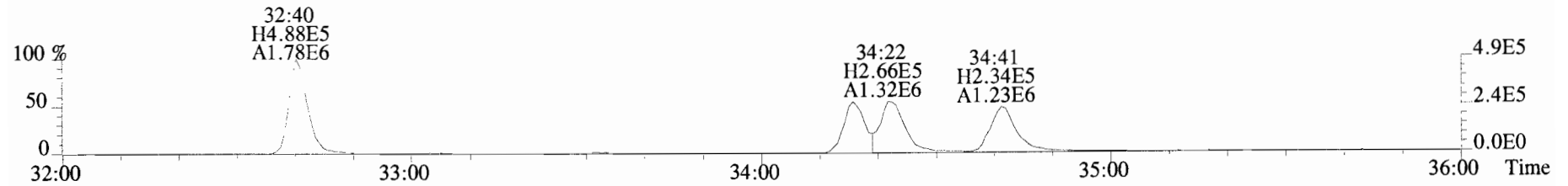
366.9792 S:4 F:2



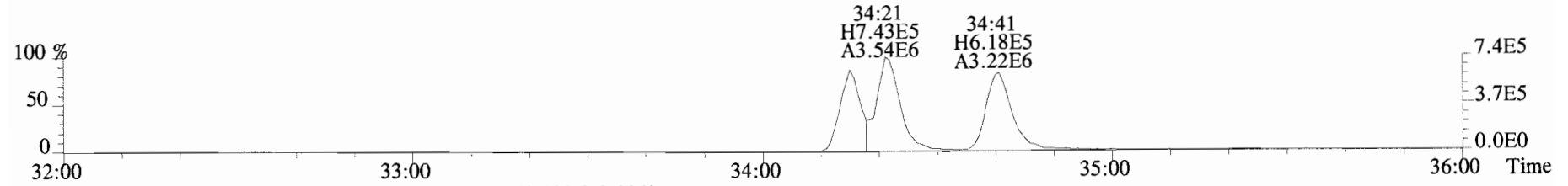
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



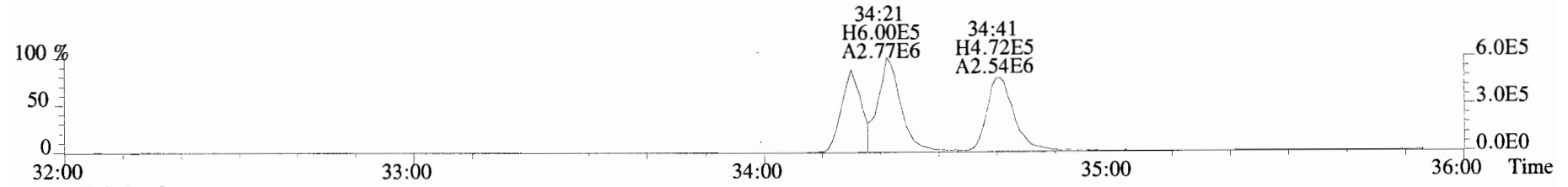
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



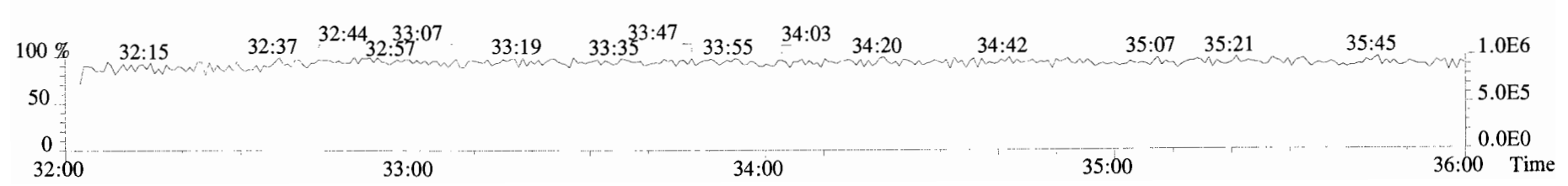
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



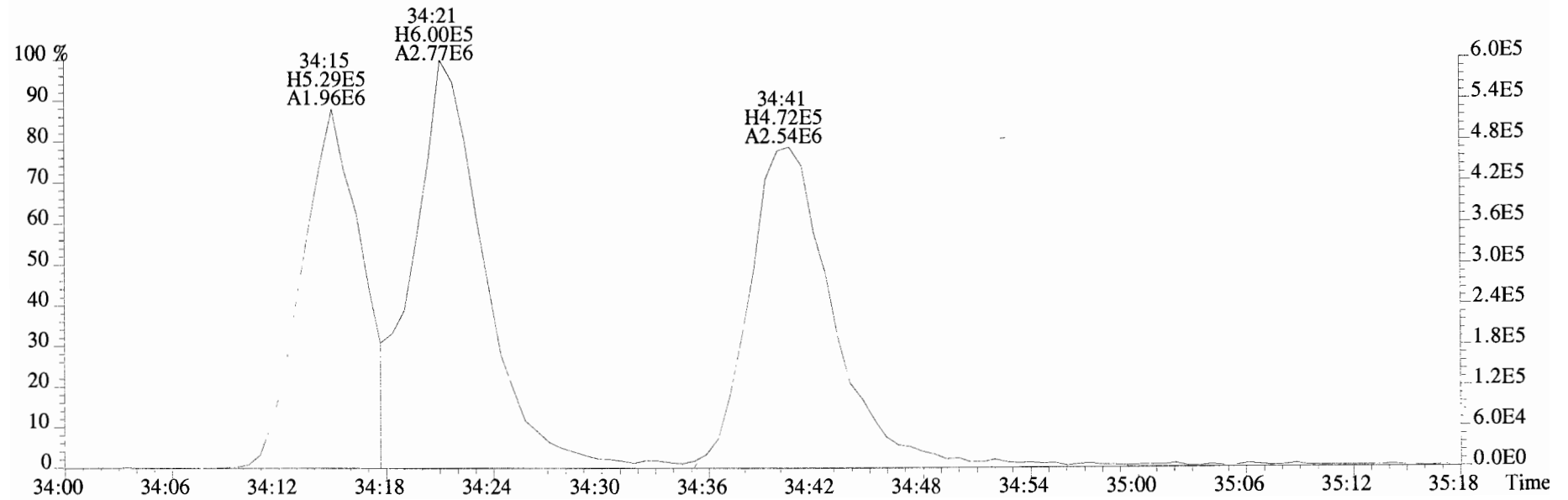
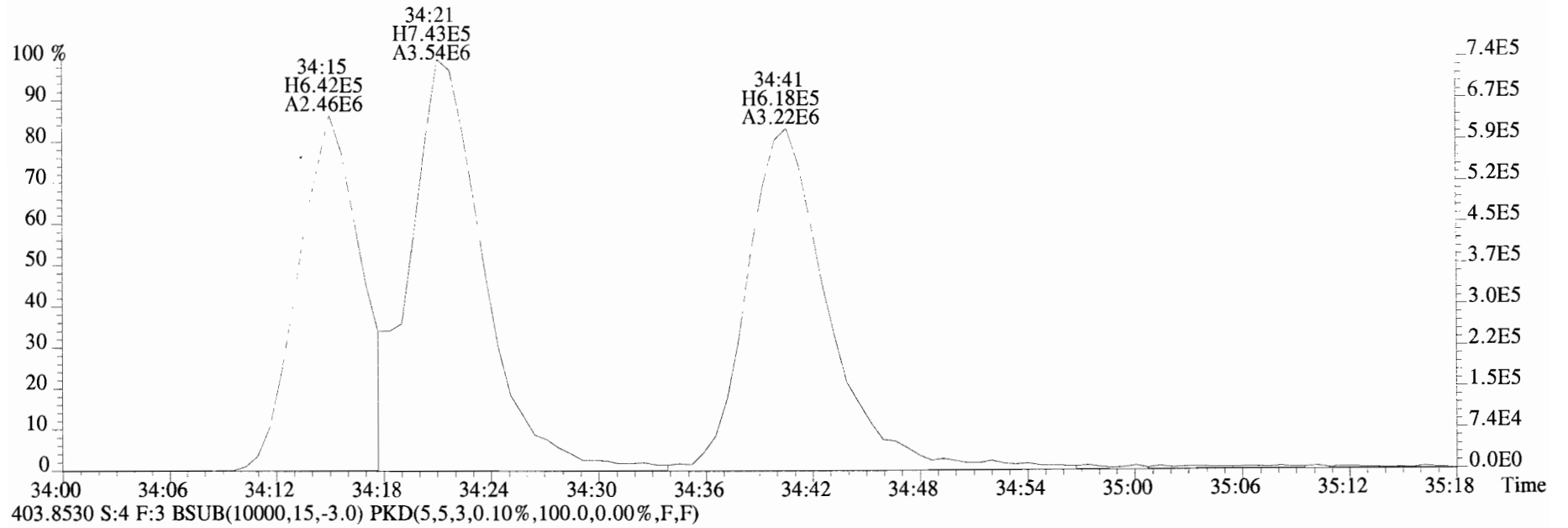
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



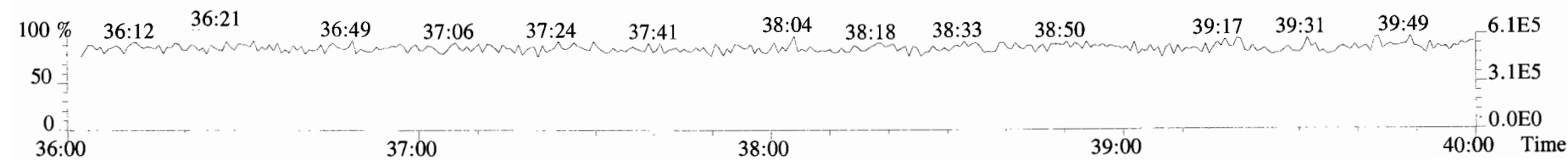
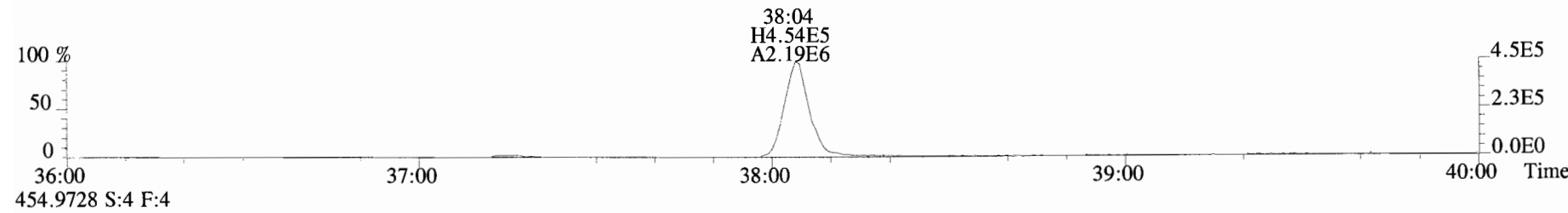
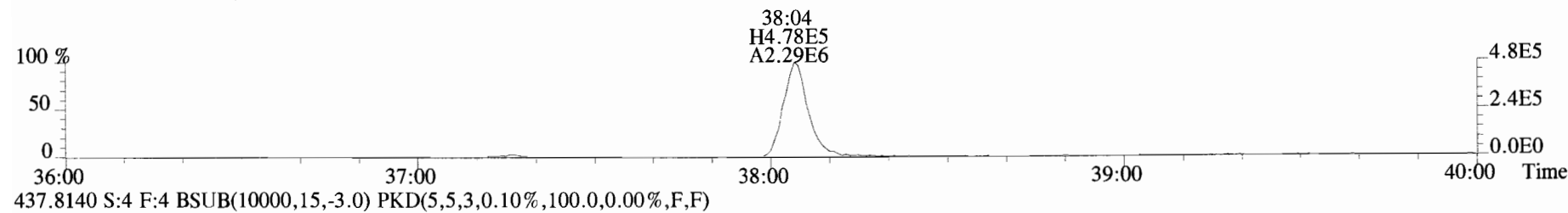
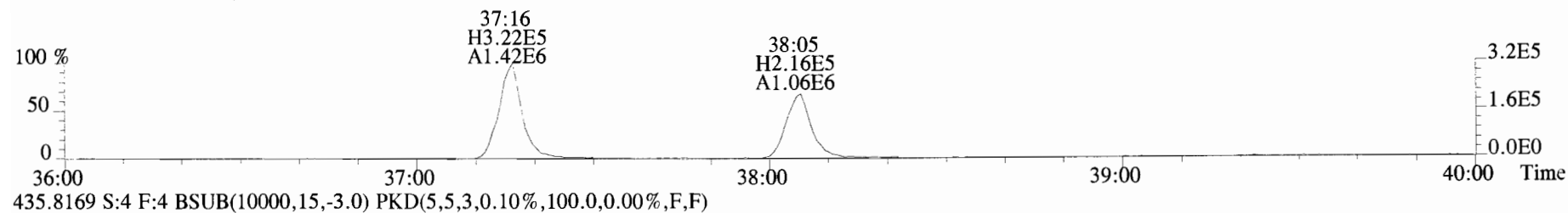
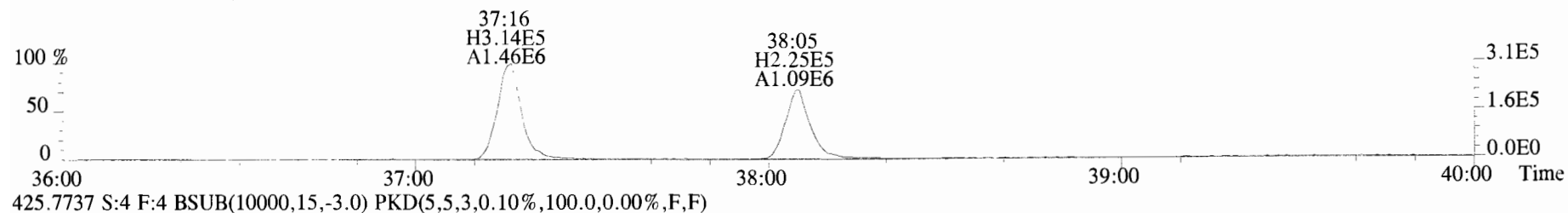
392.9760 S:4 F:3



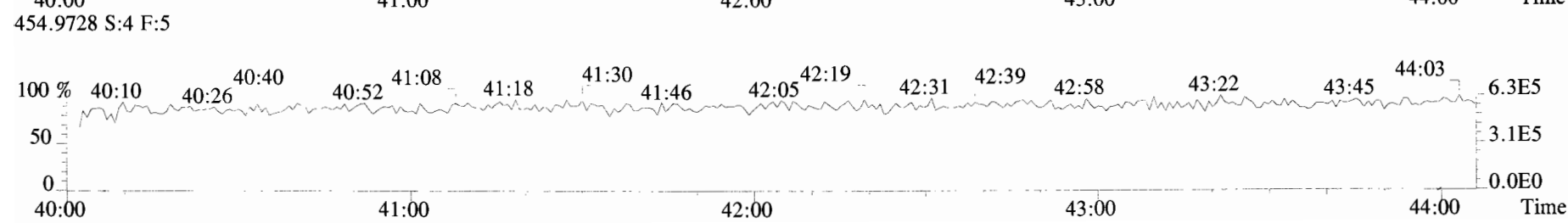
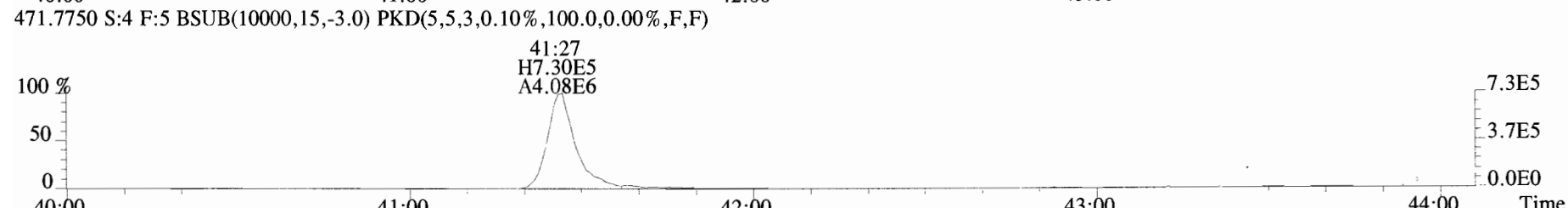
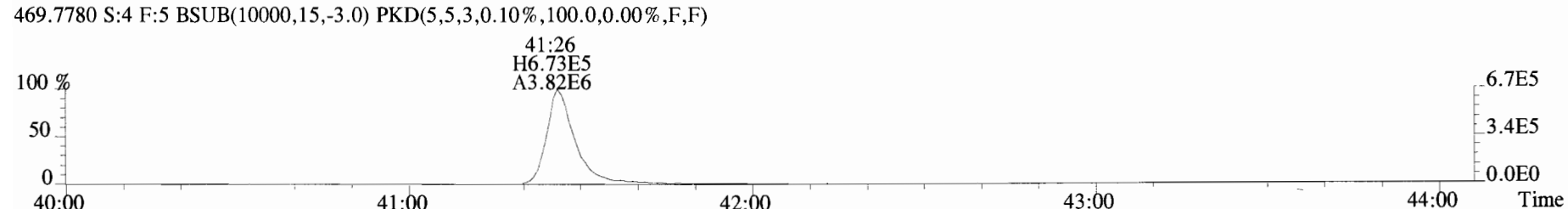
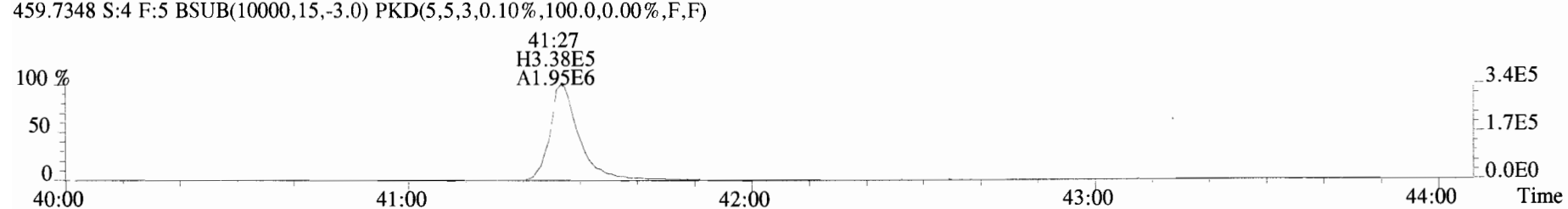
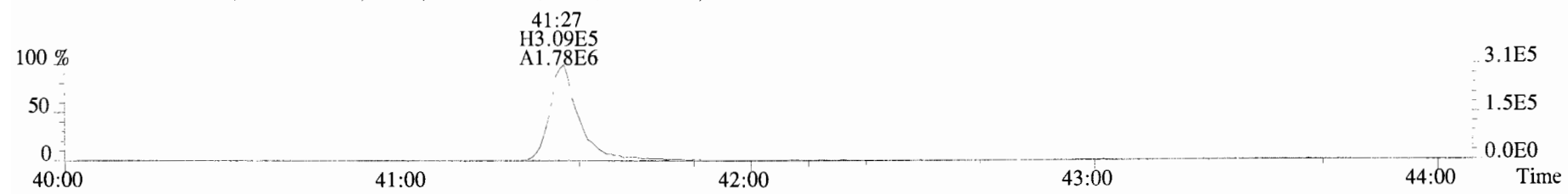
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



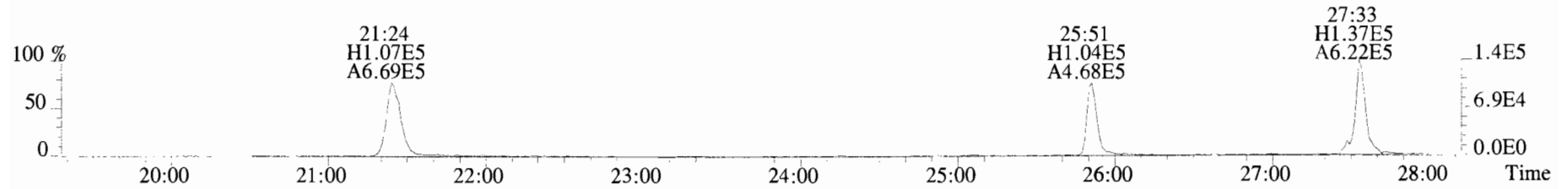
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



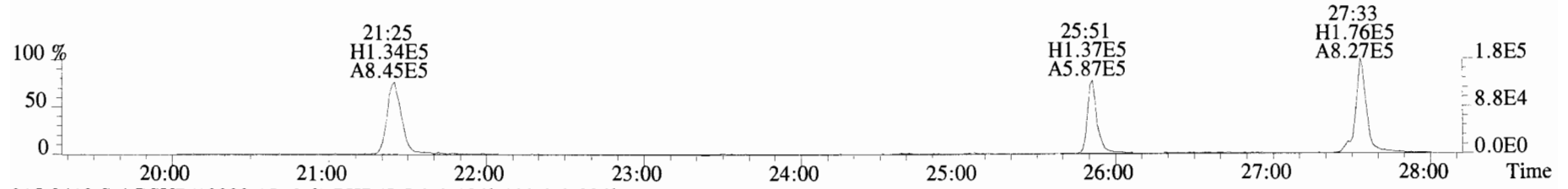
File:191009D1 #1-432 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



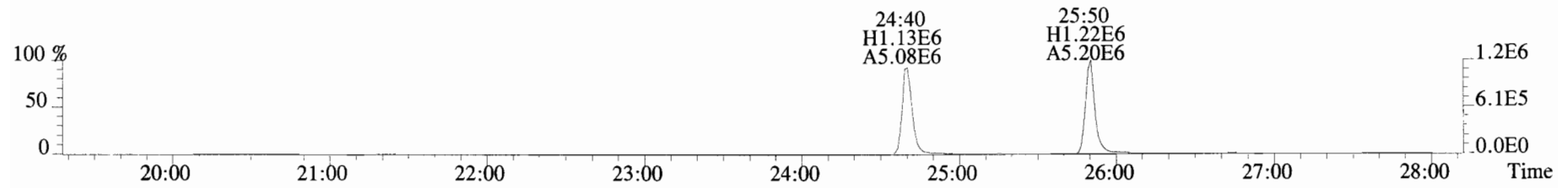
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



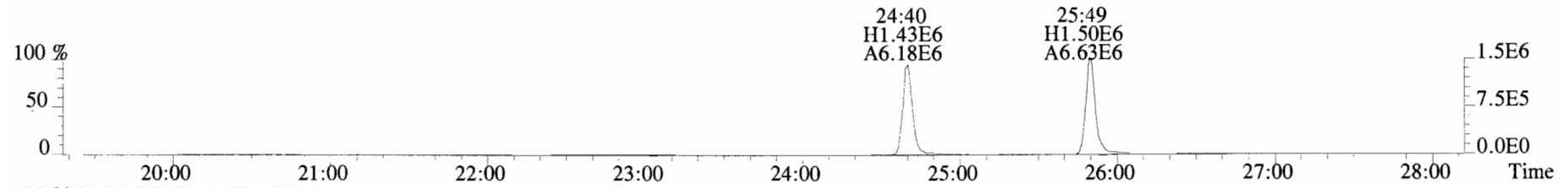
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



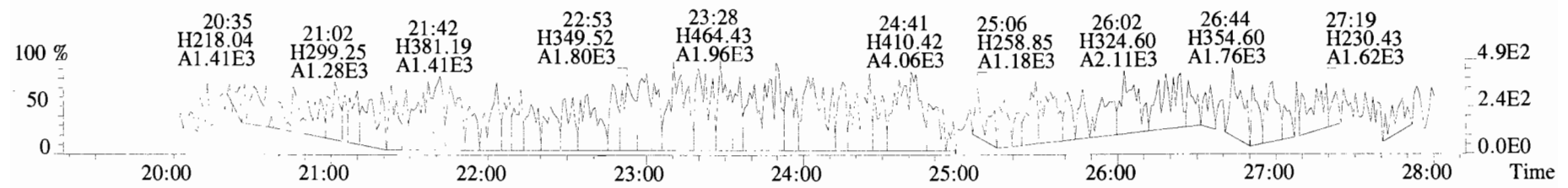
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



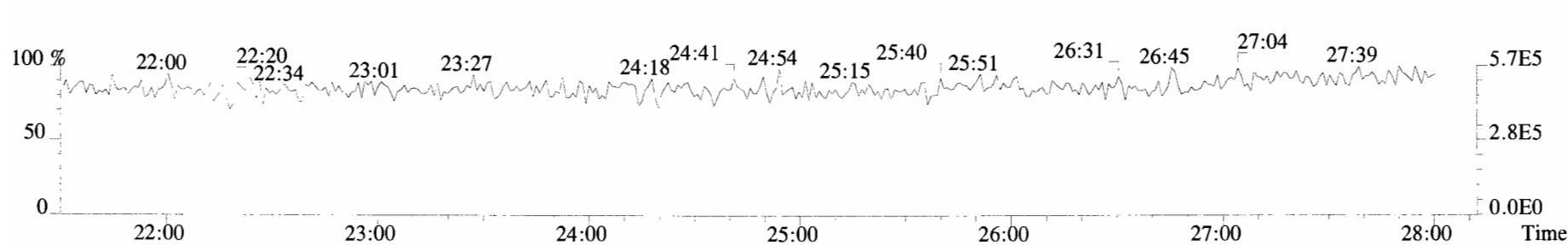
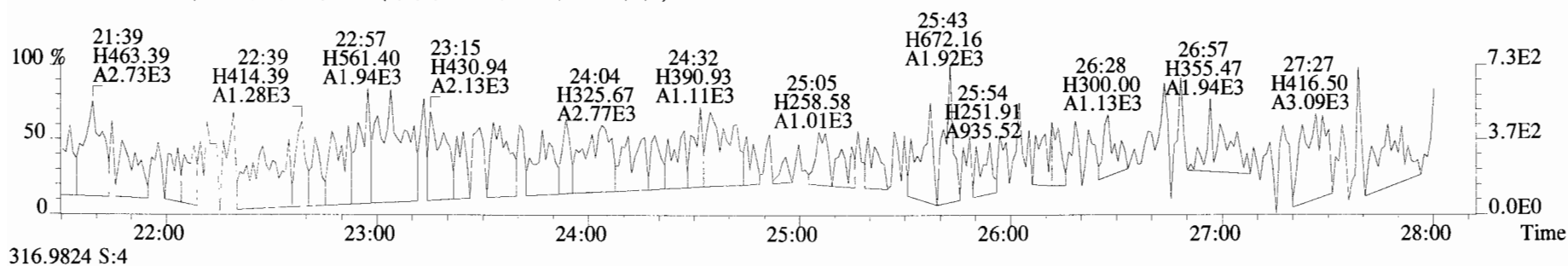
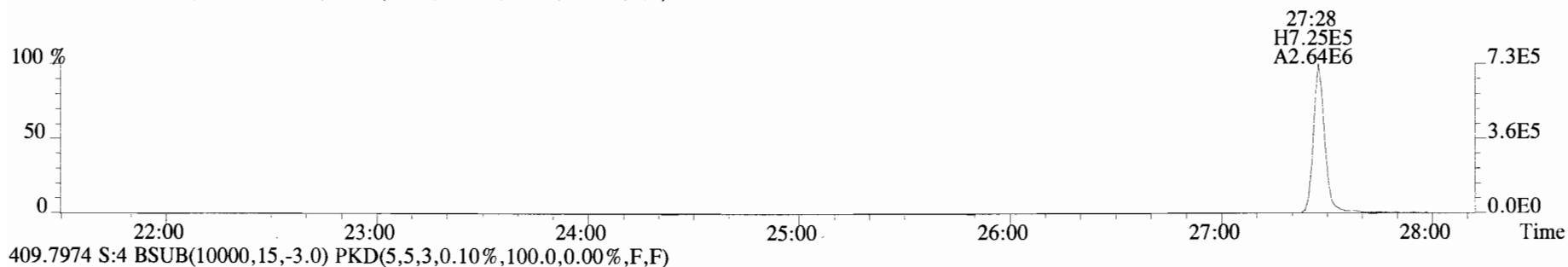
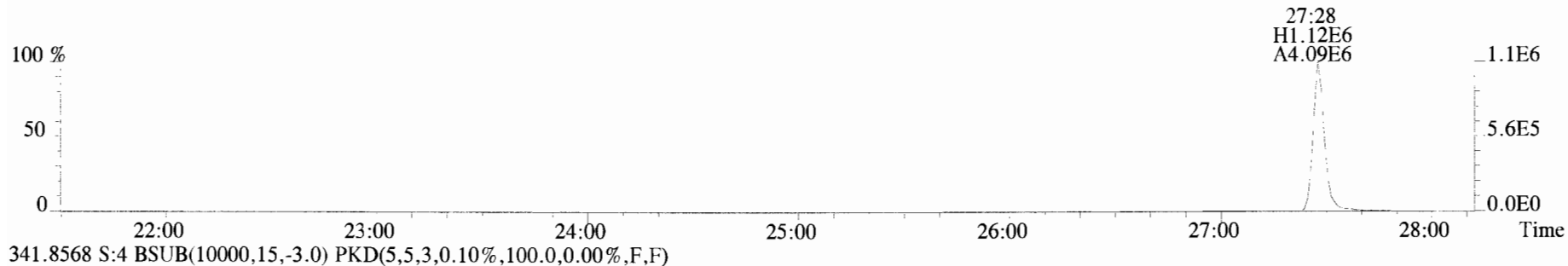
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



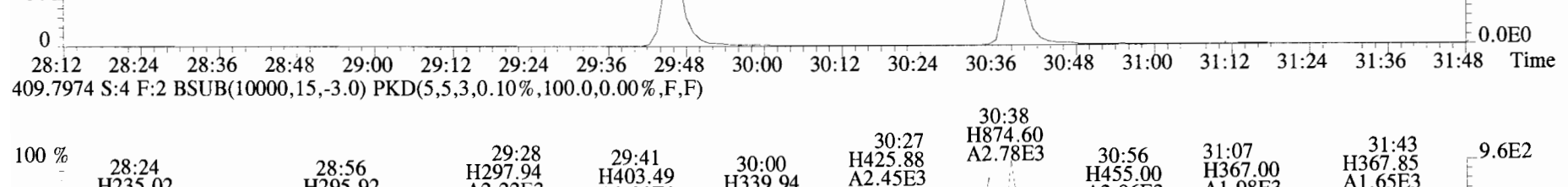
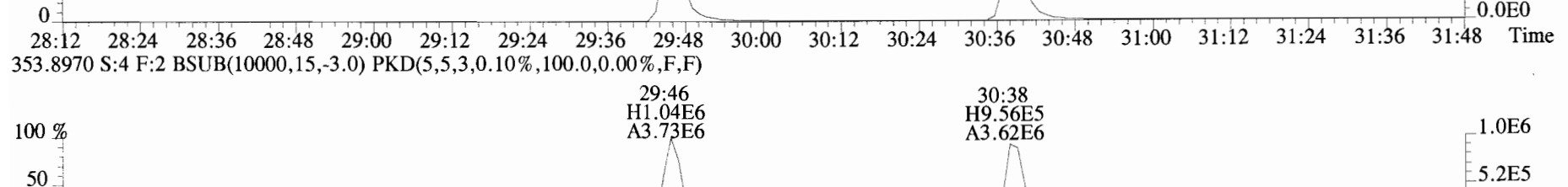
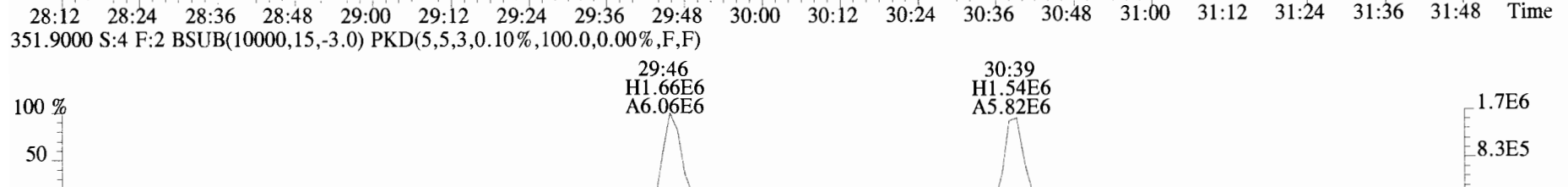
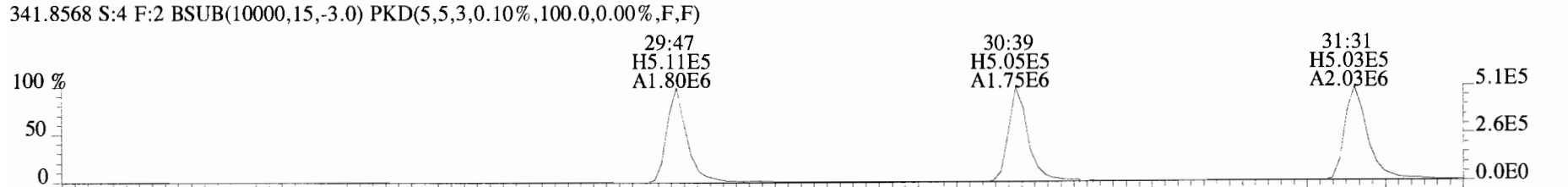
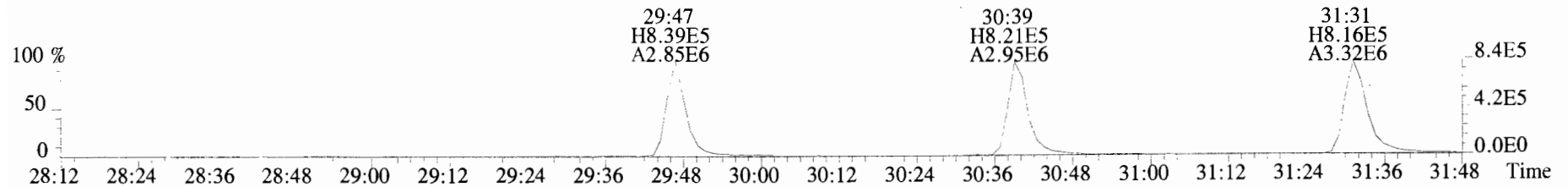
375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



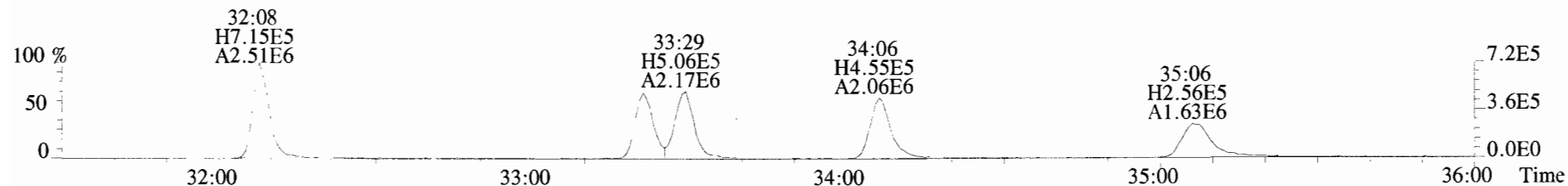
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



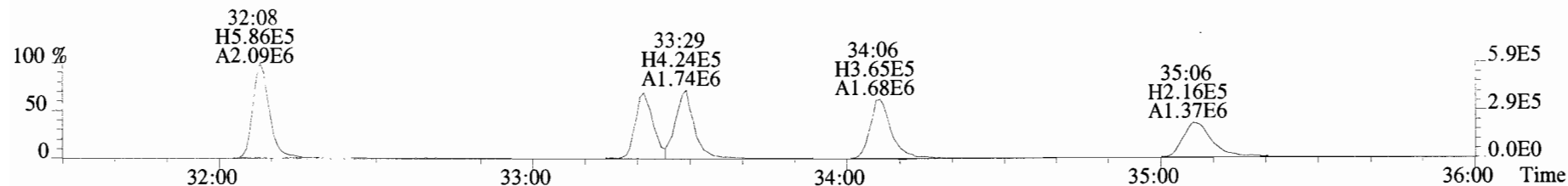
File:191009D1 #1-211 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



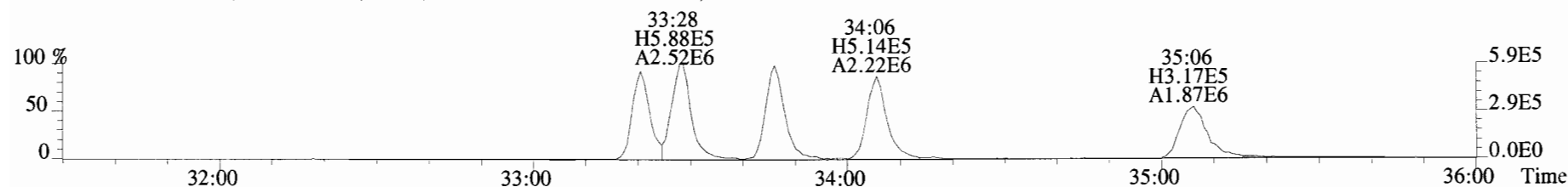
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



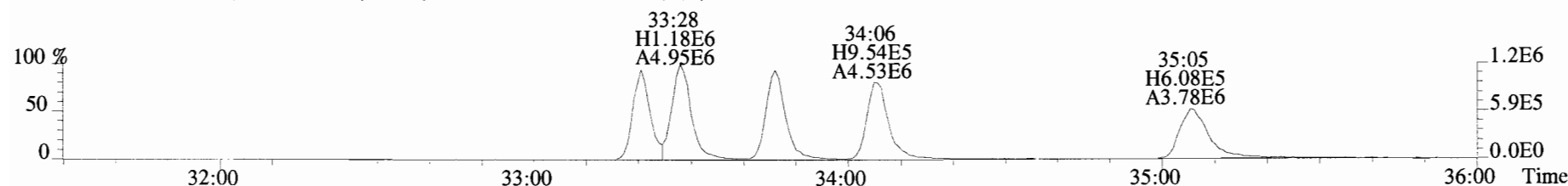
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



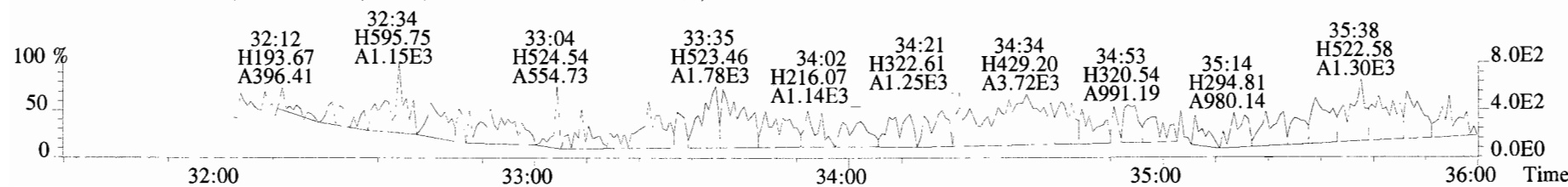
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



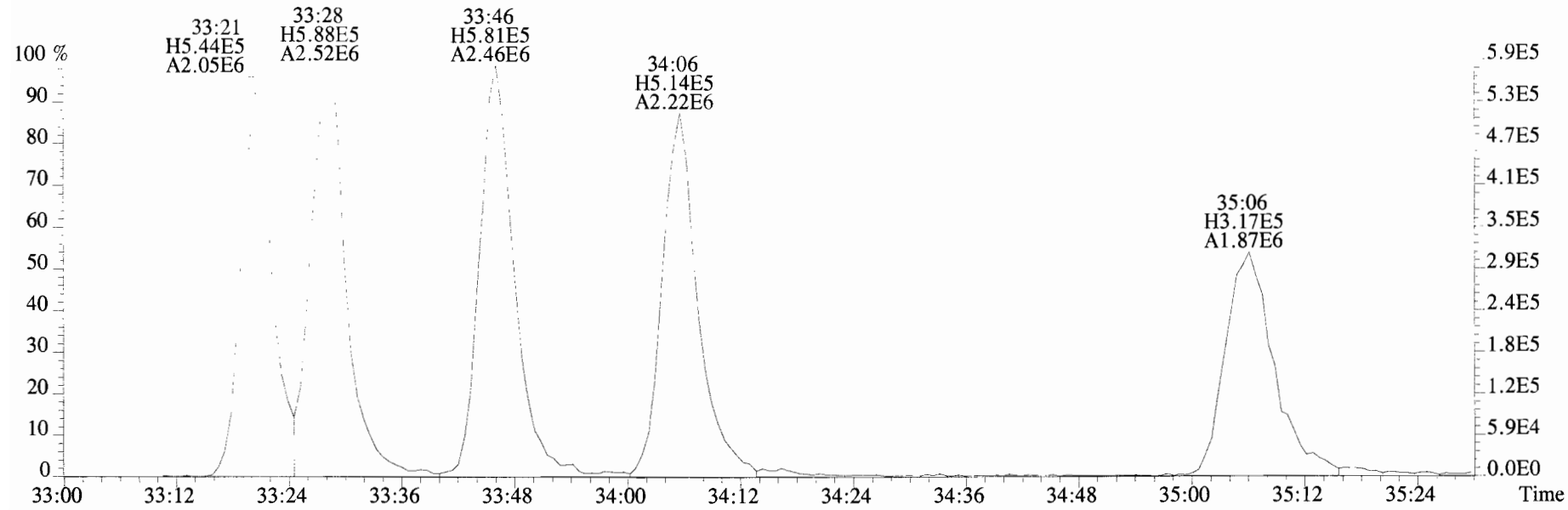
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



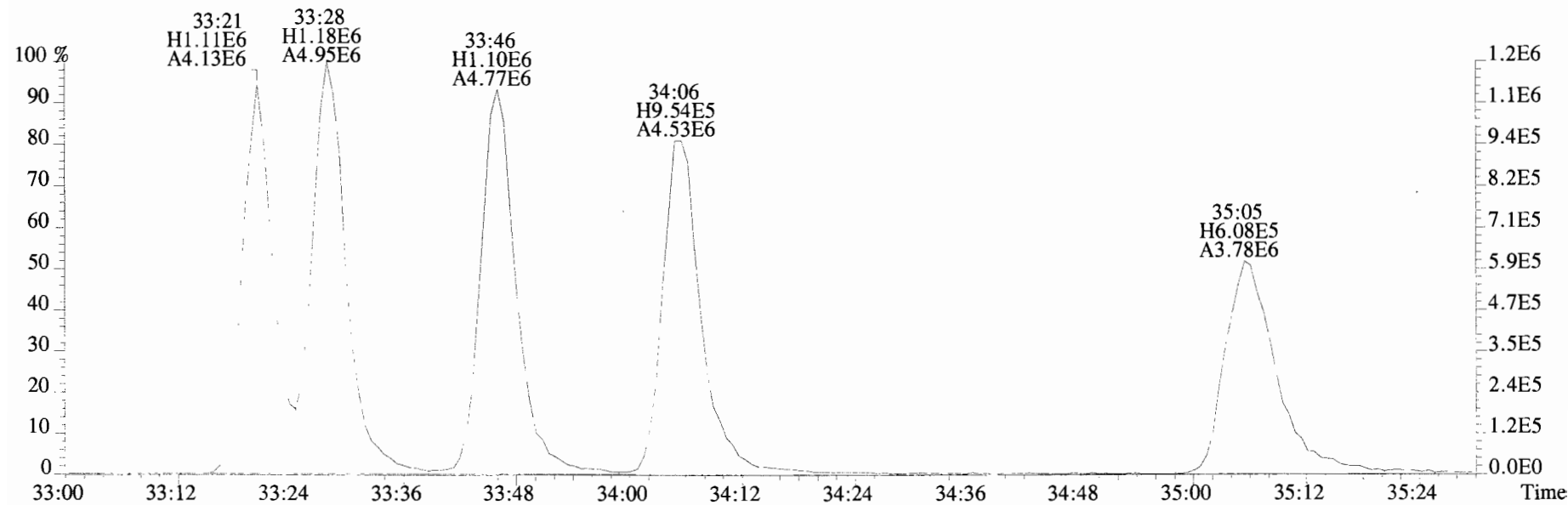
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



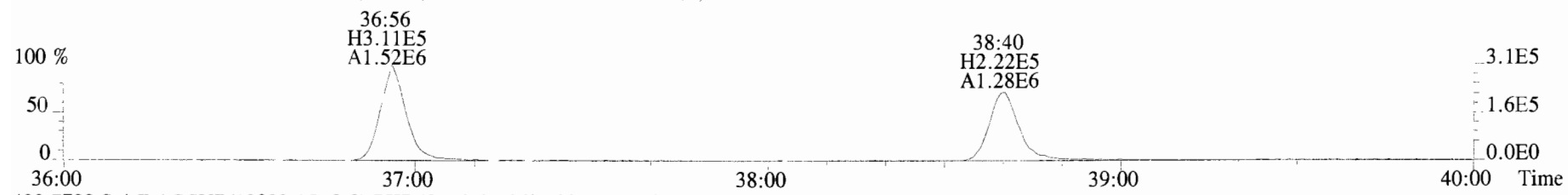
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



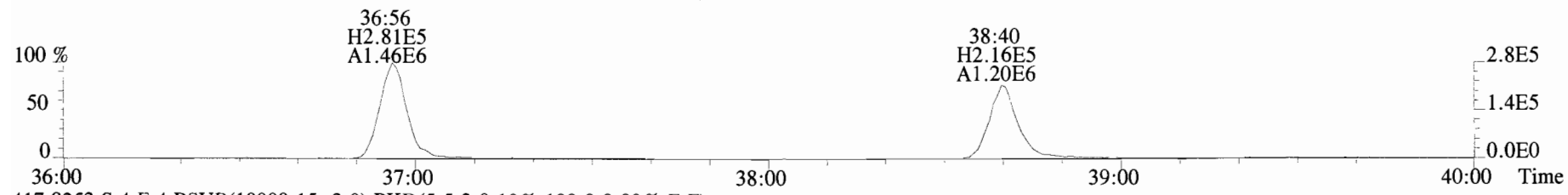
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



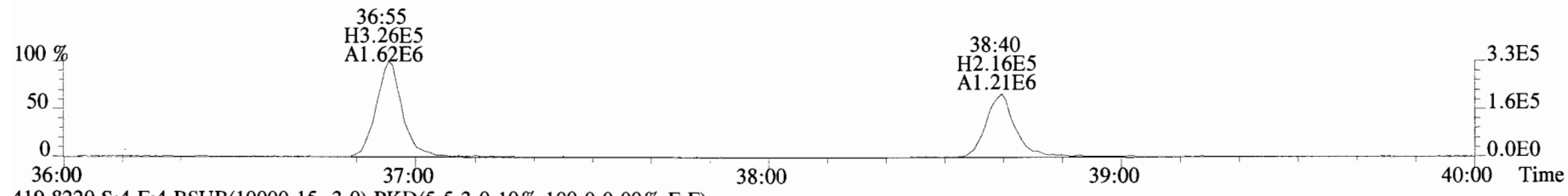
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



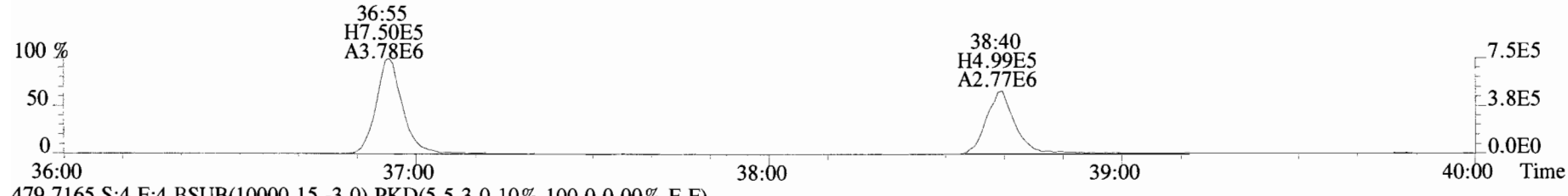
409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



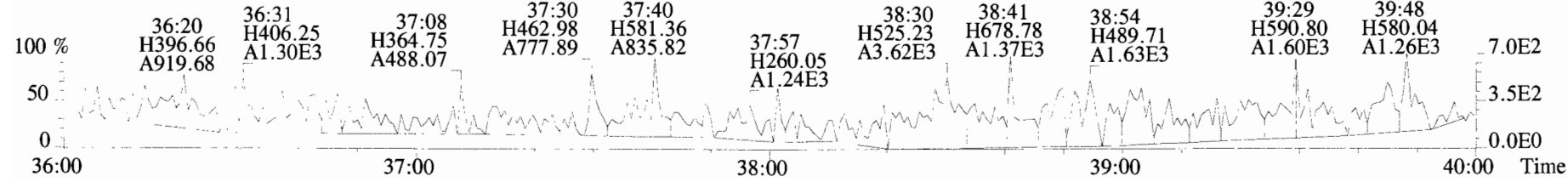
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



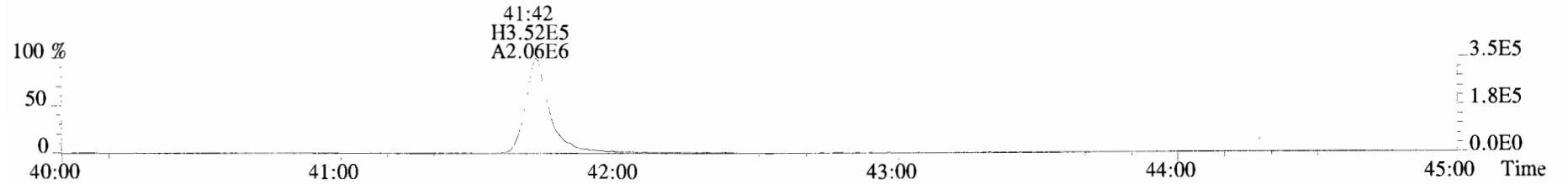
419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



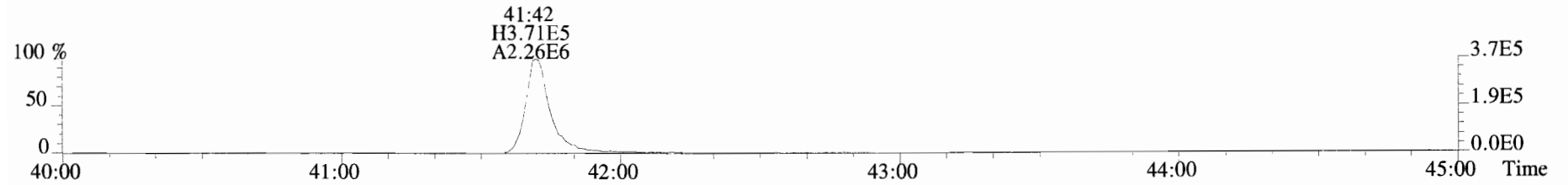
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



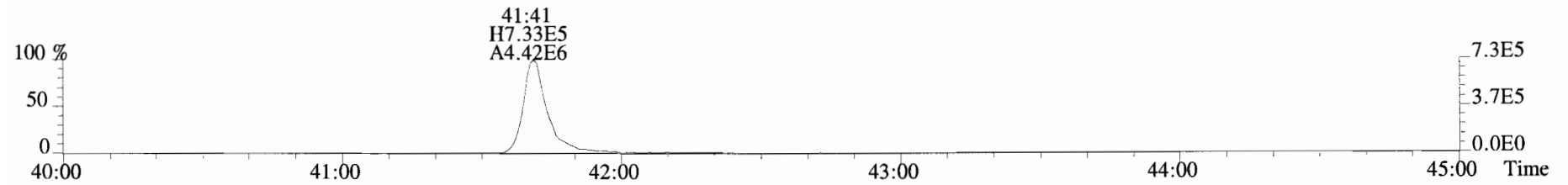
File:191009D1 #1-432 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



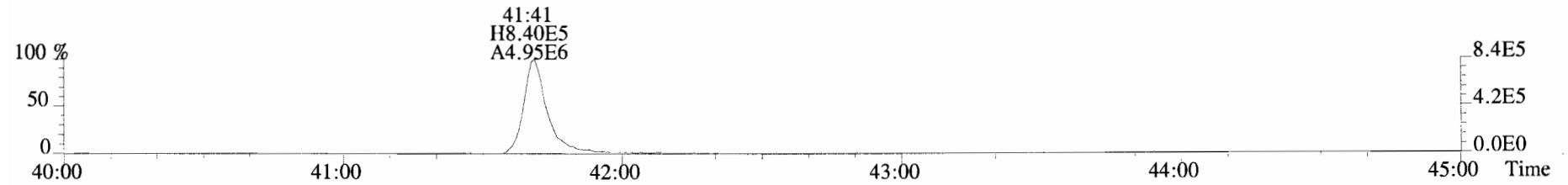
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



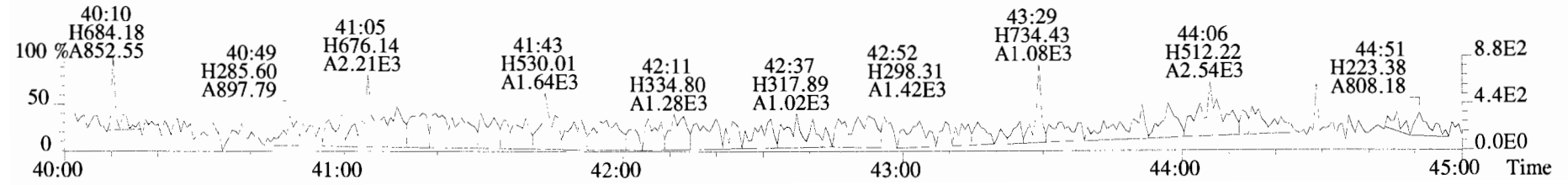
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



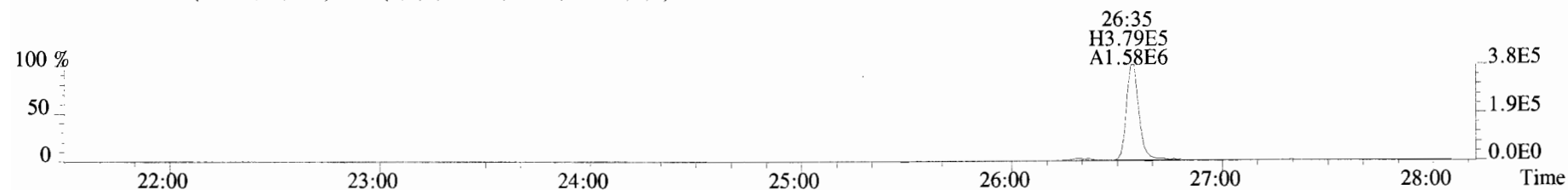
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



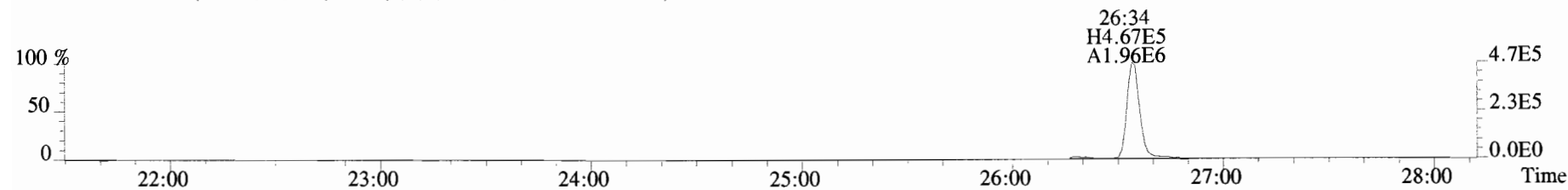
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



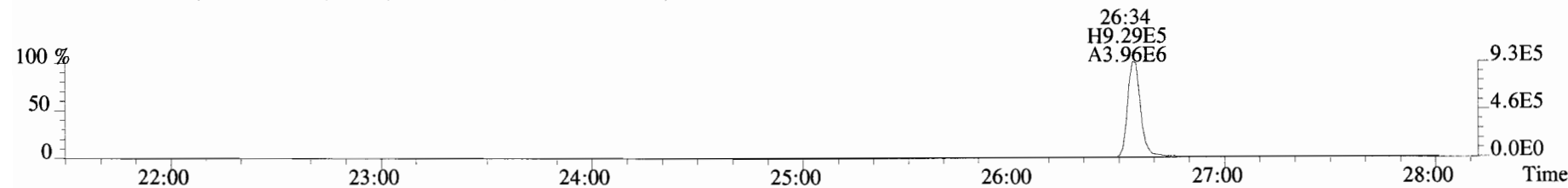
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



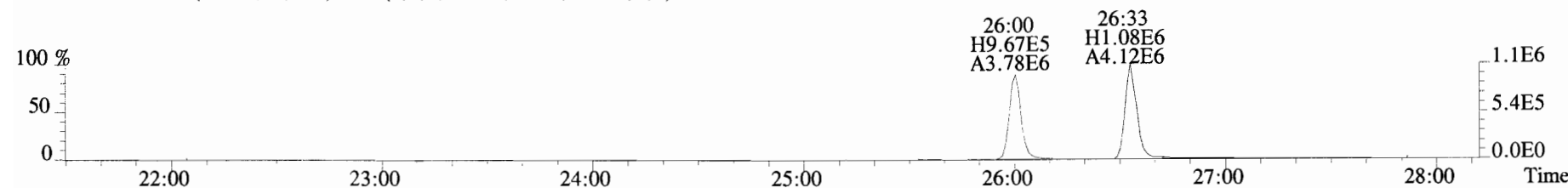
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



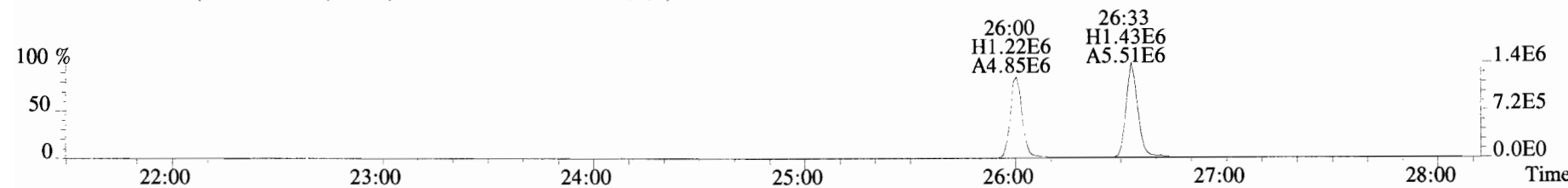
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



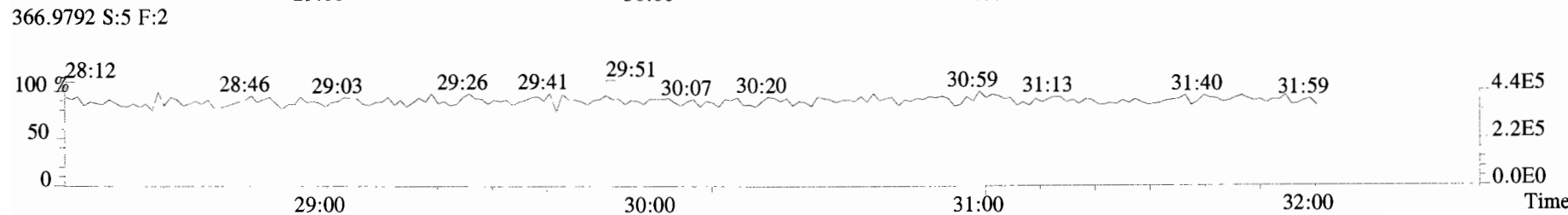
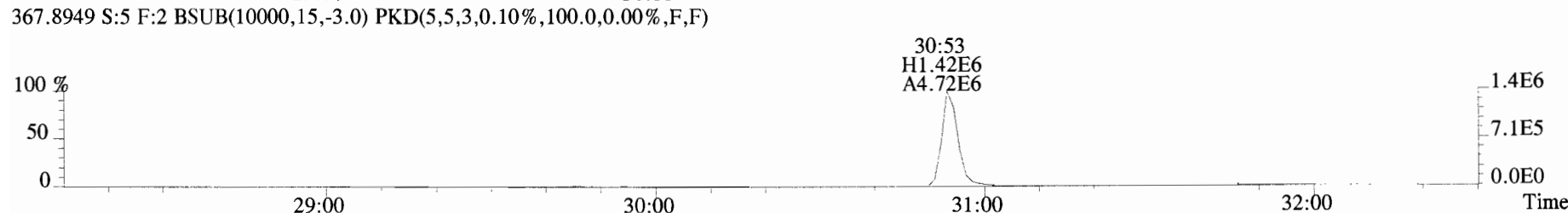
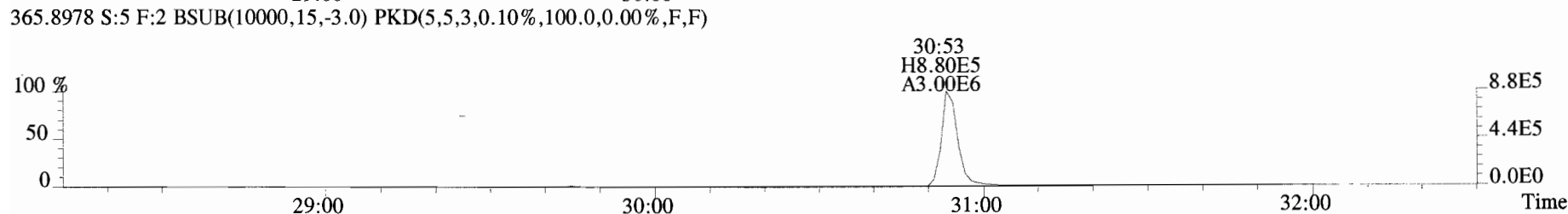
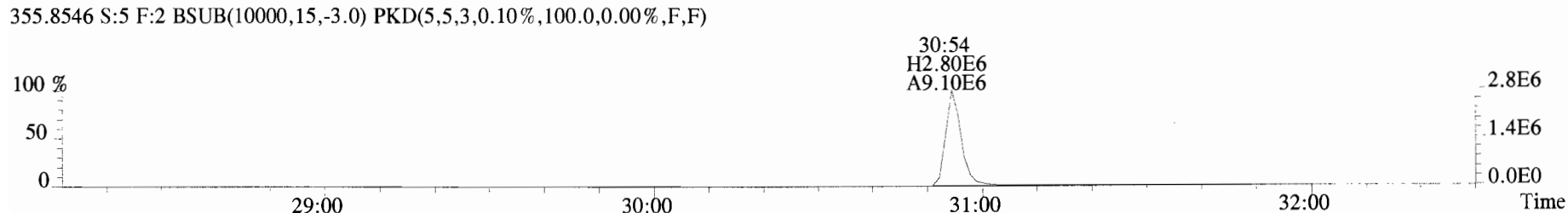
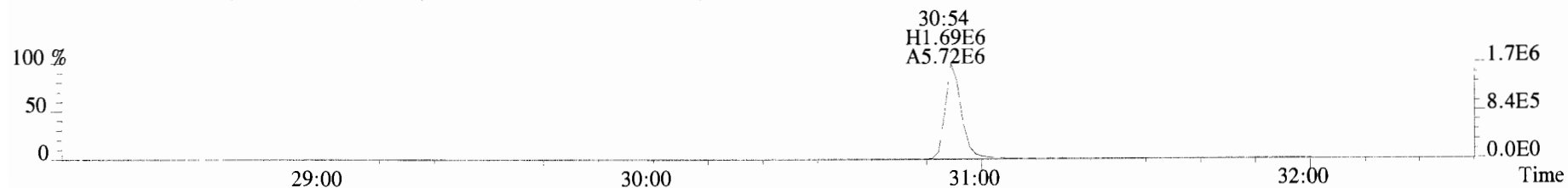
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



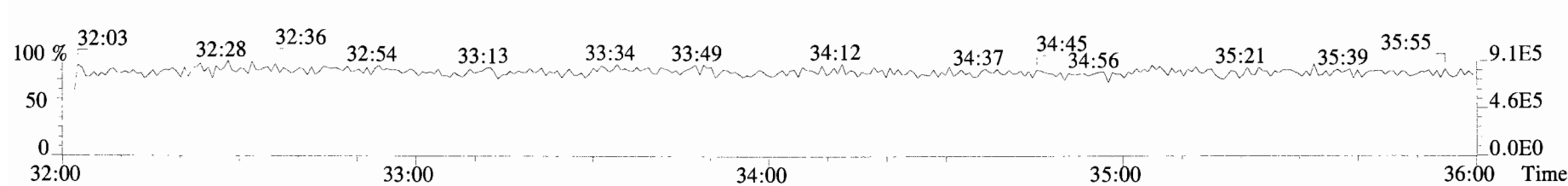
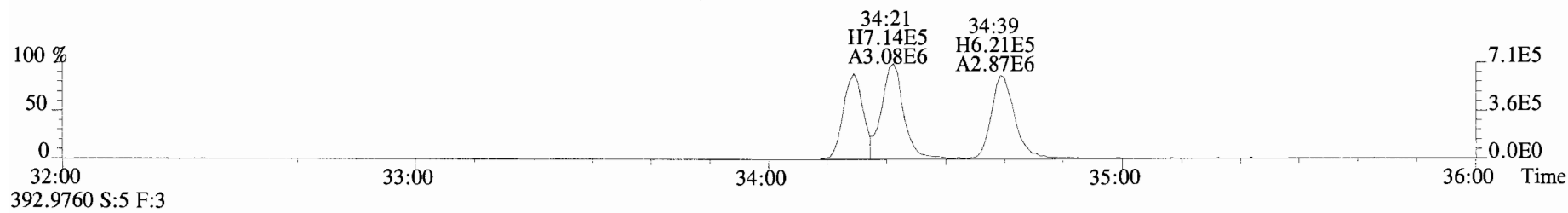
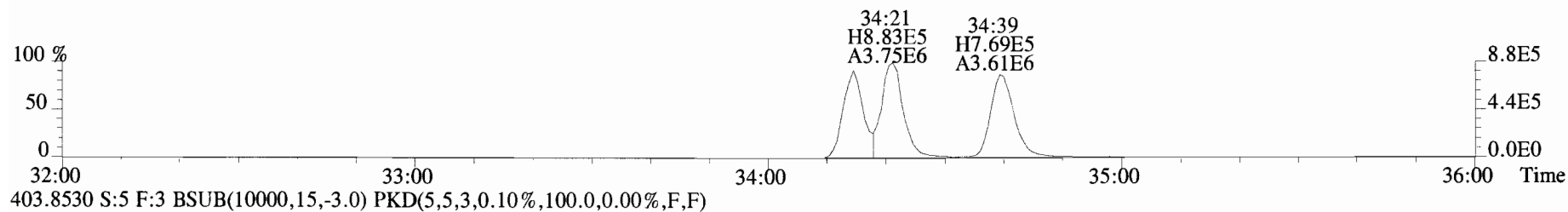
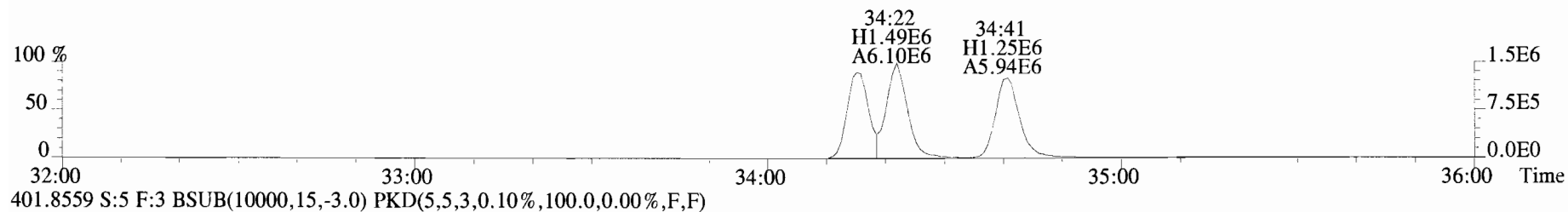
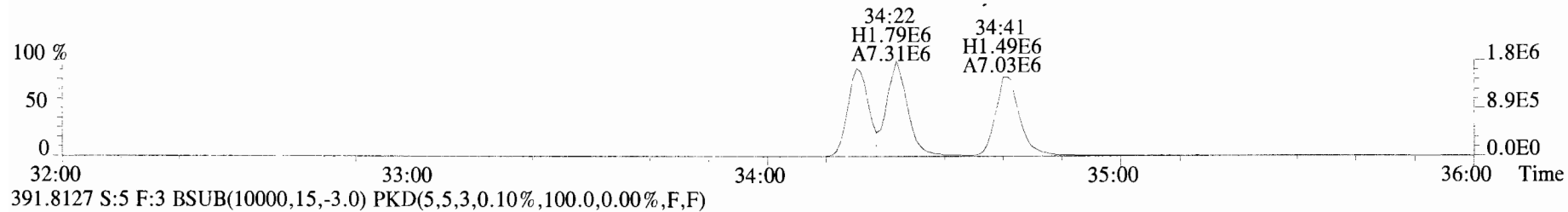
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



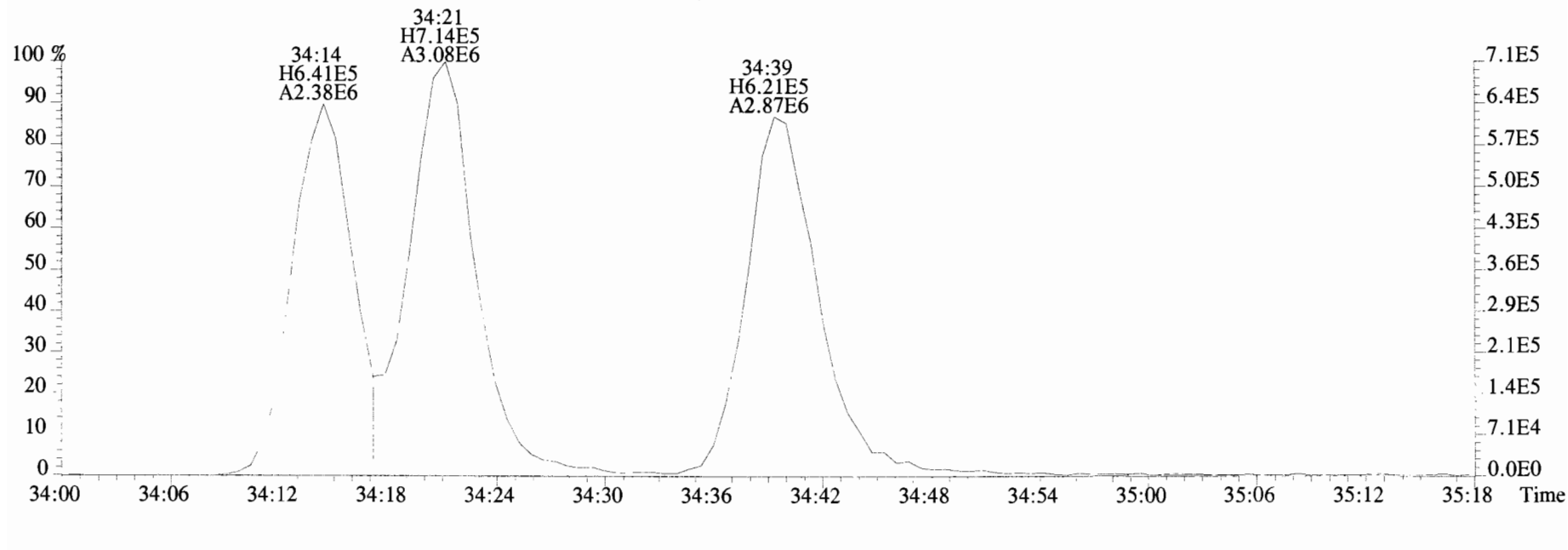
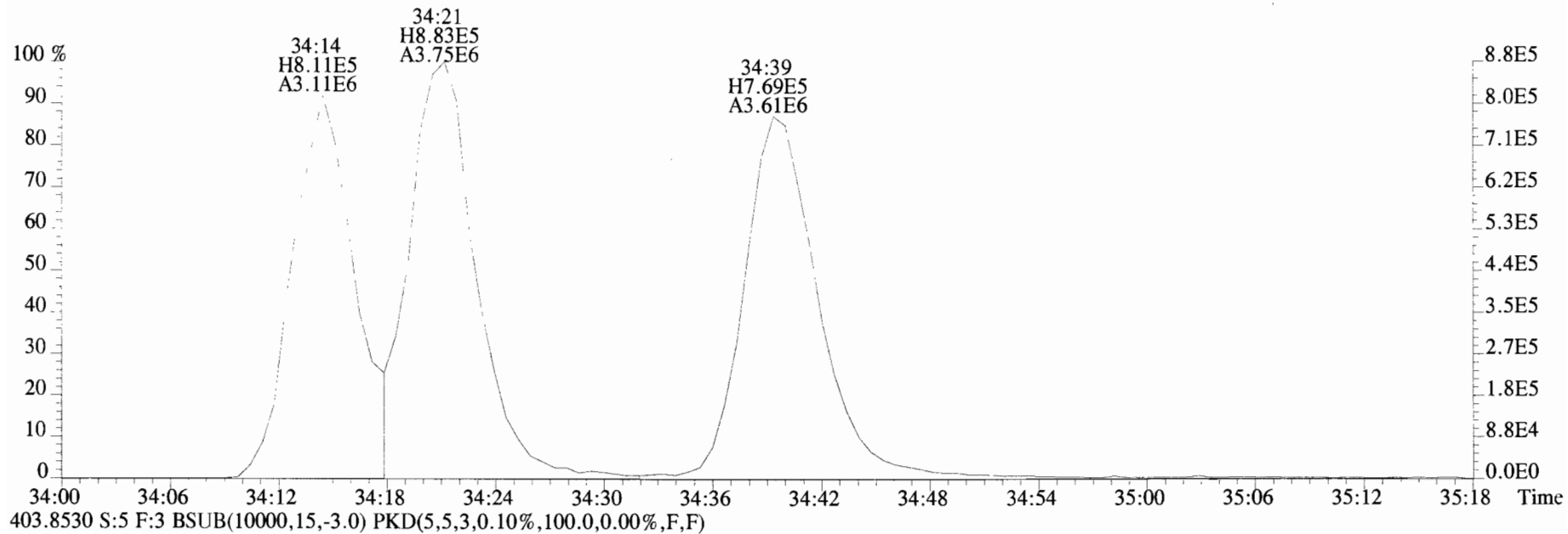
File:191009D1 #1-210 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
353.8576 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



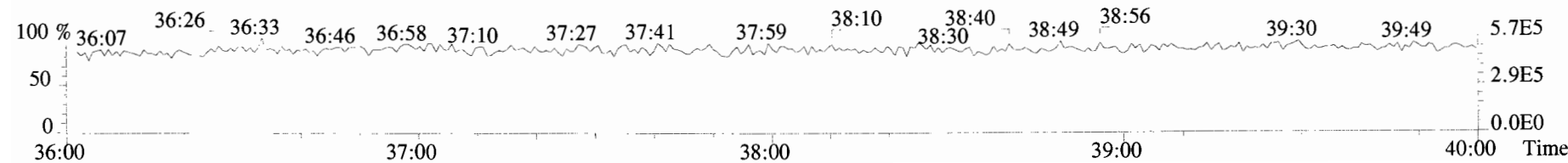
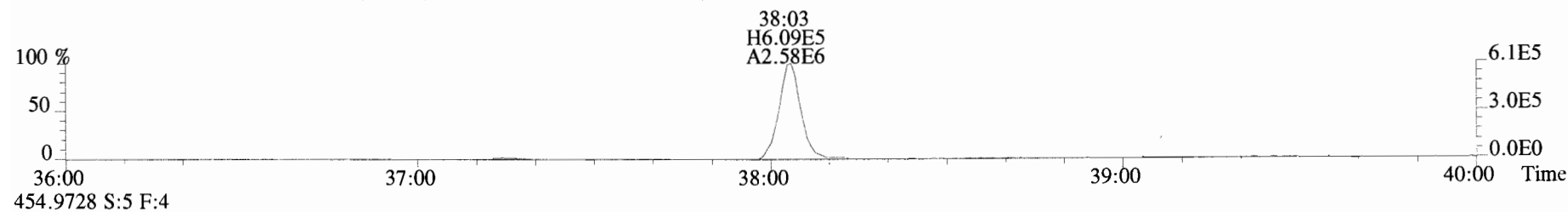
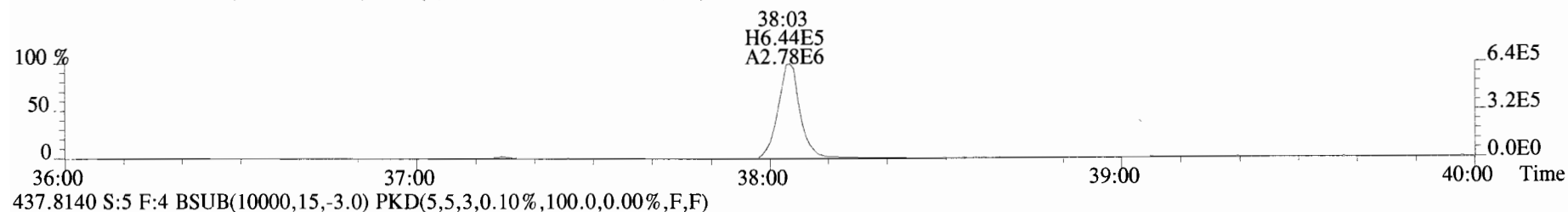
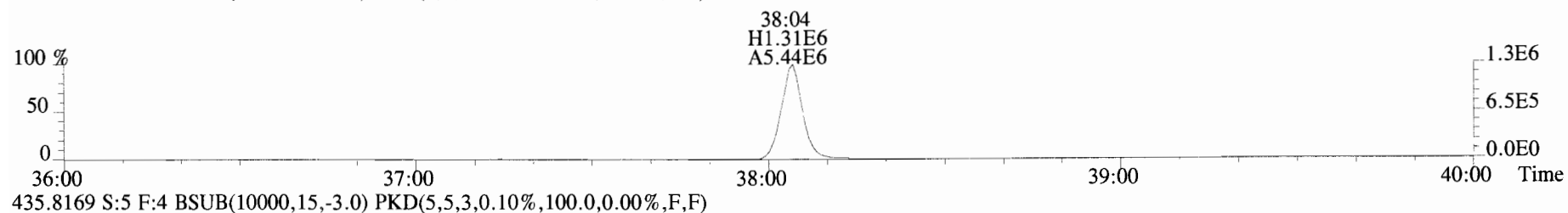
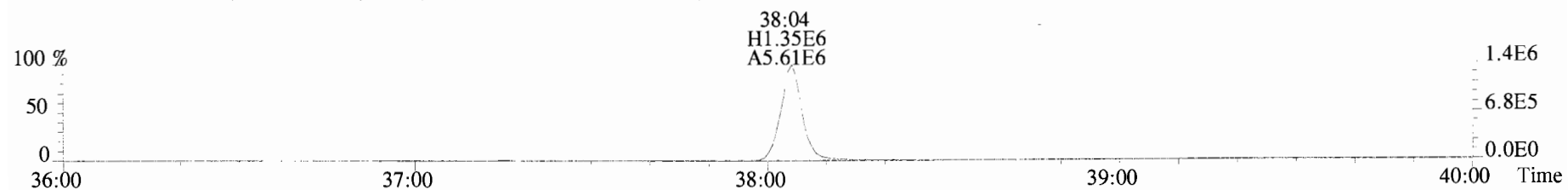
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



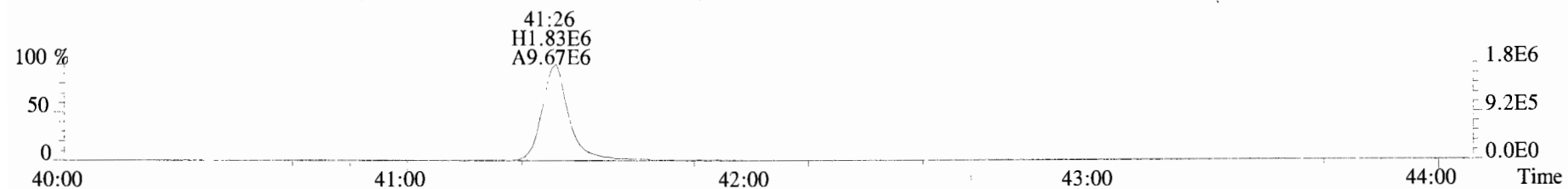
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



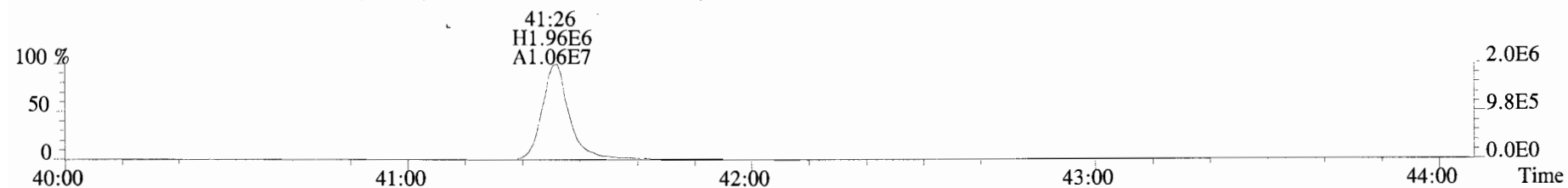
File:191009D1 #1-356 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



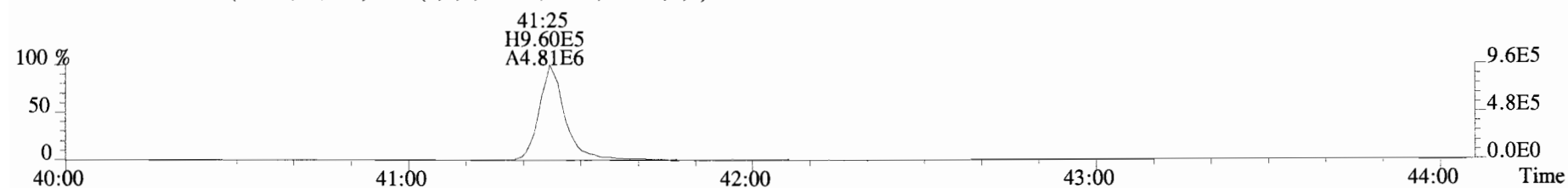
File:191009D1 #1-431 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



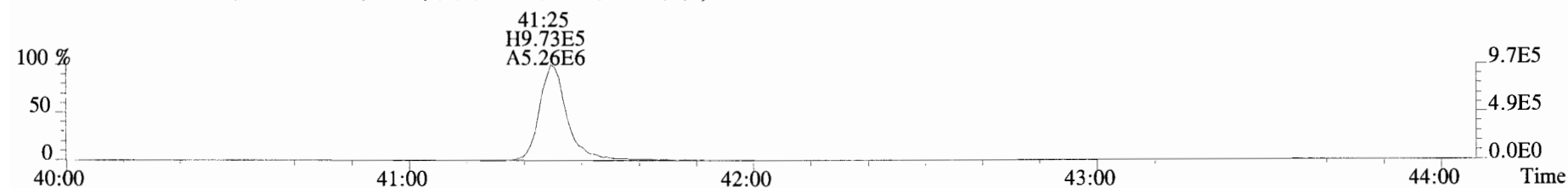
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



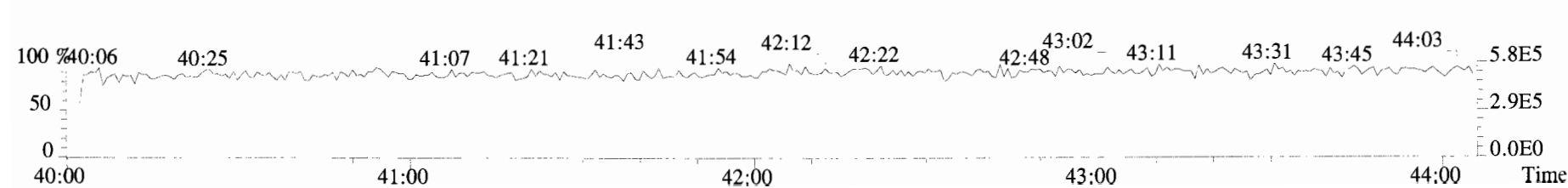
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



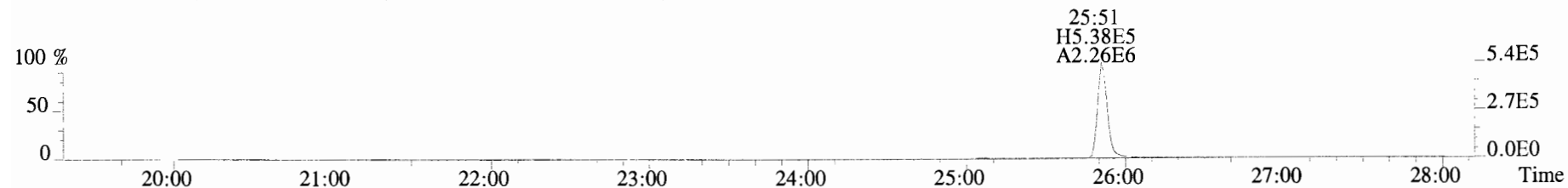
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



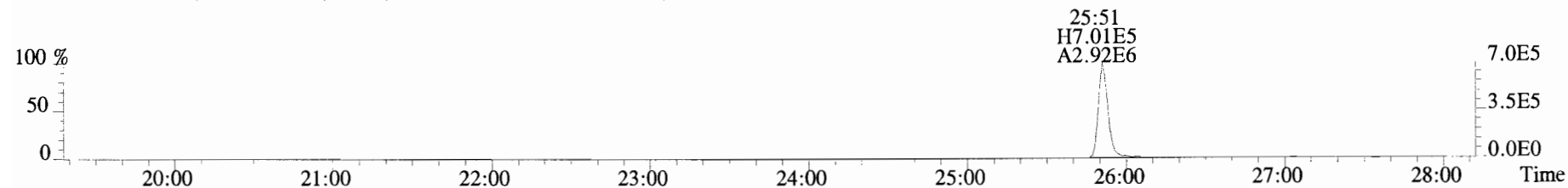
454.9728 S:5 F:5



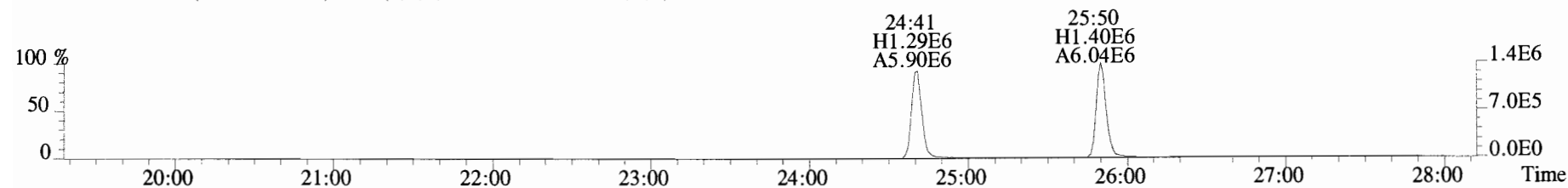
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



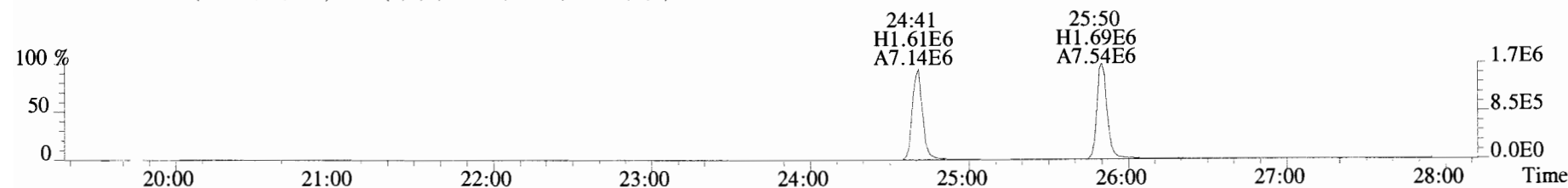
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



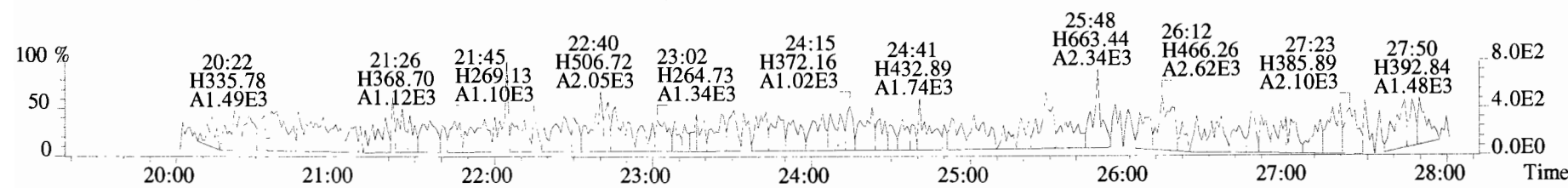
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



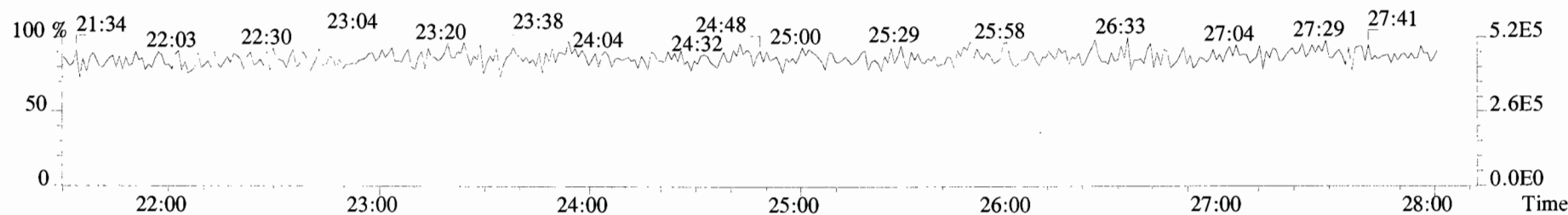
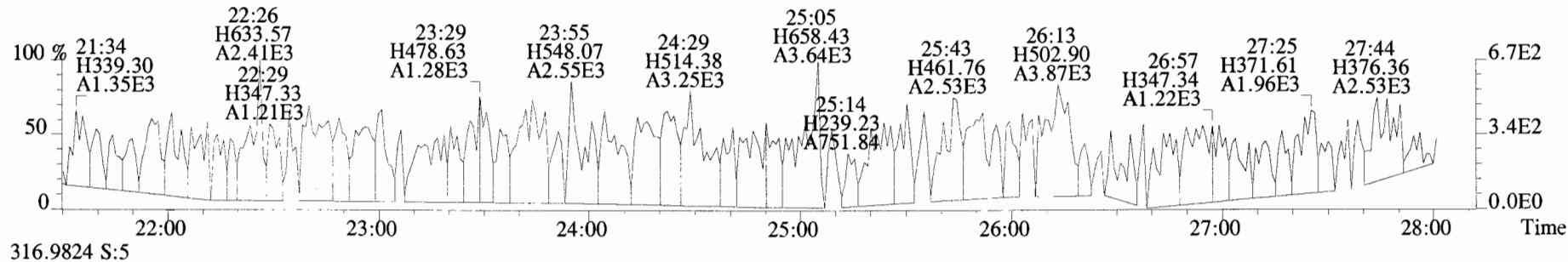
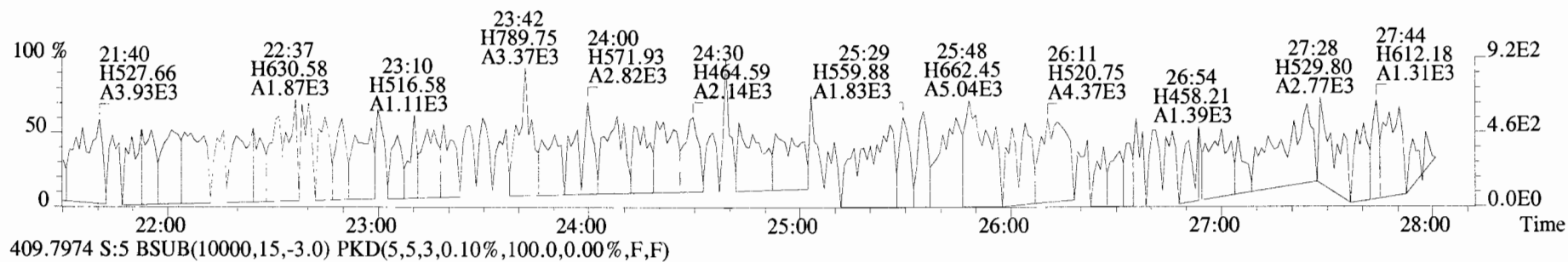
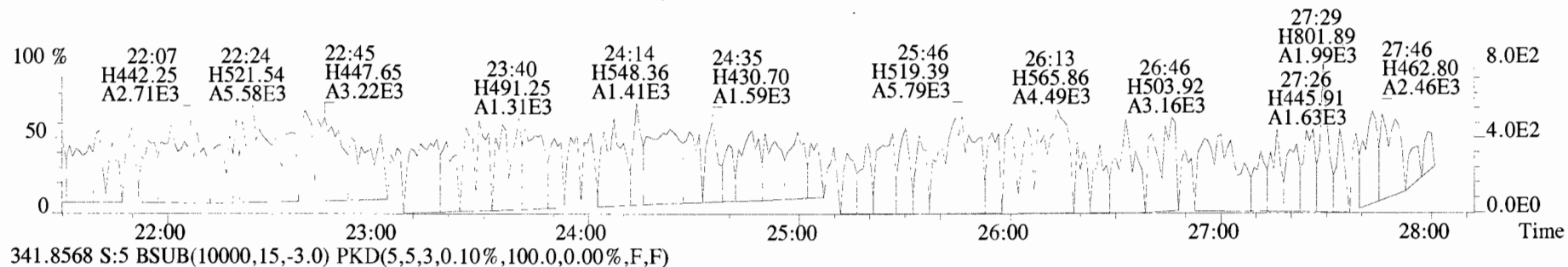
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



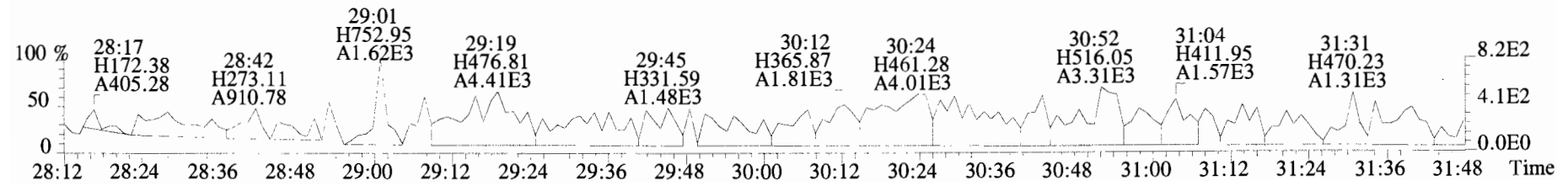
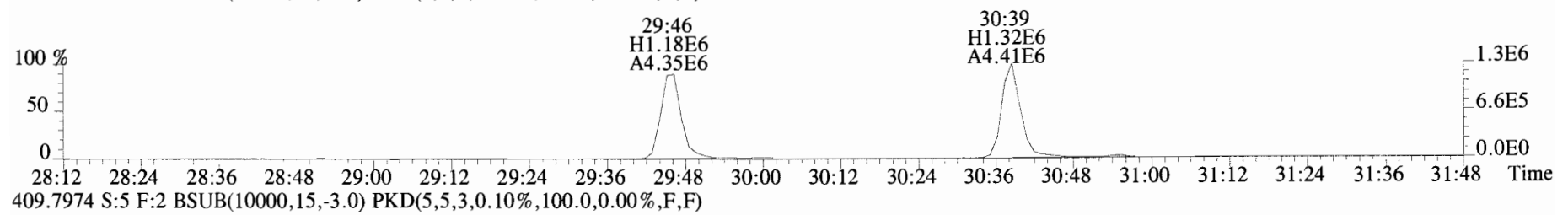
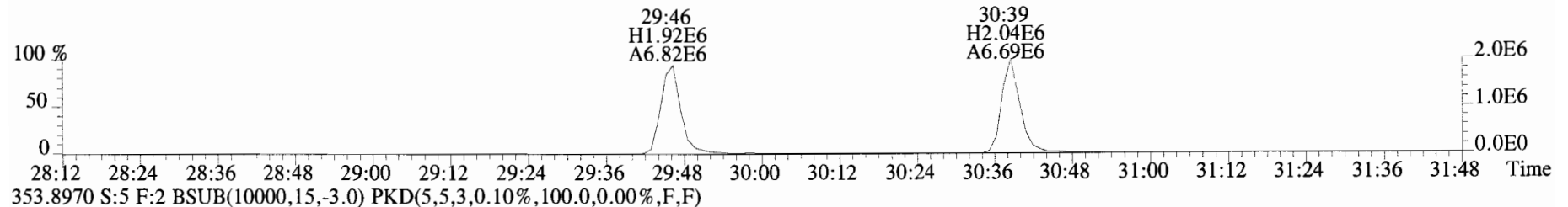
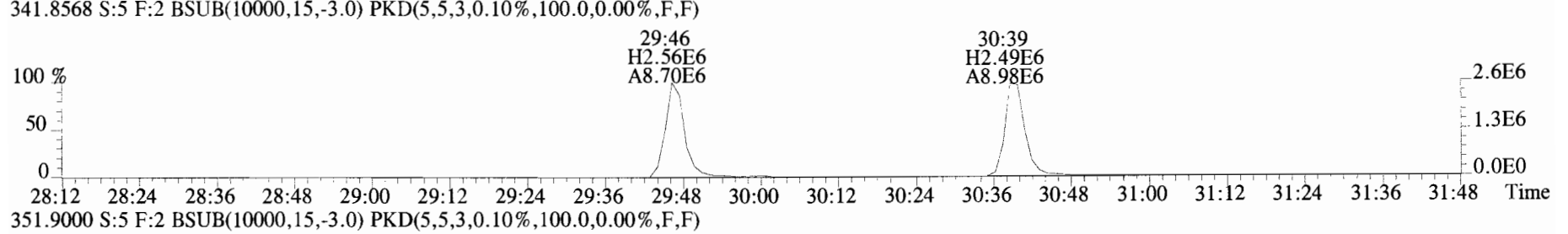
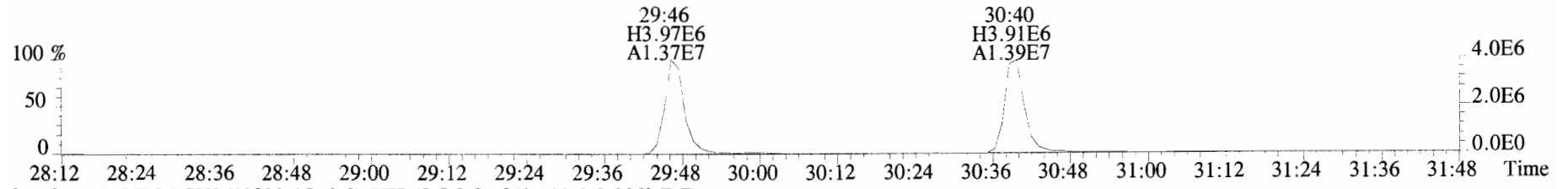
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



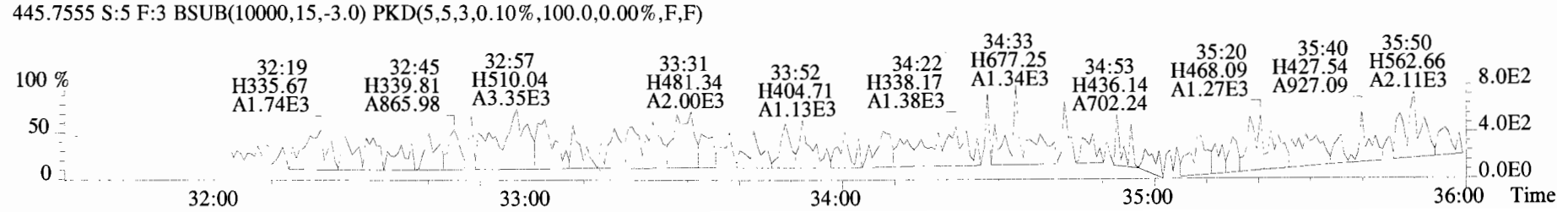
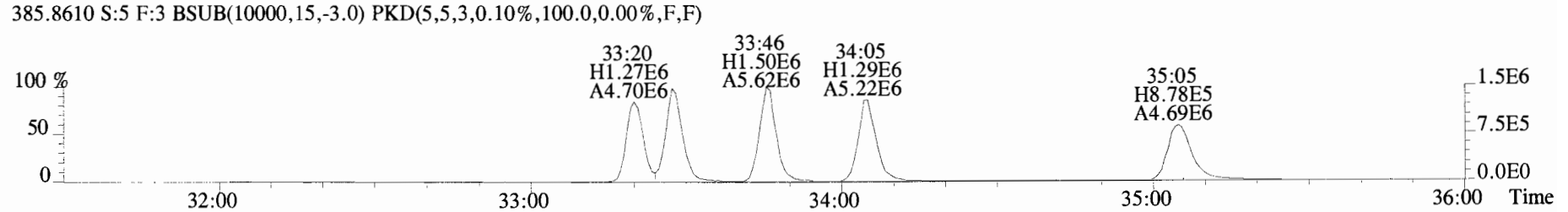
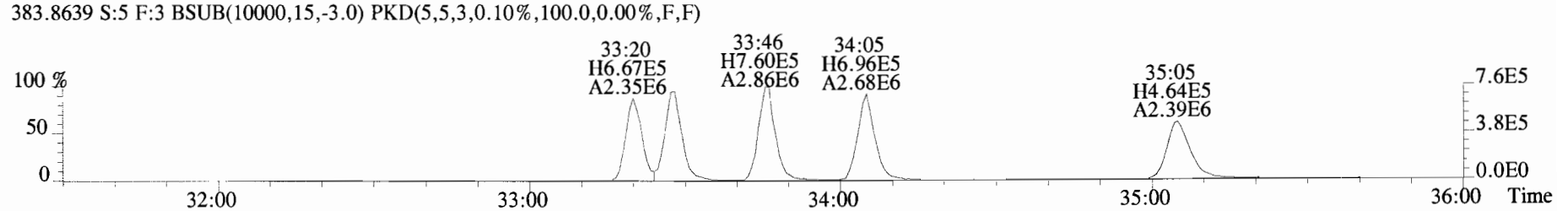
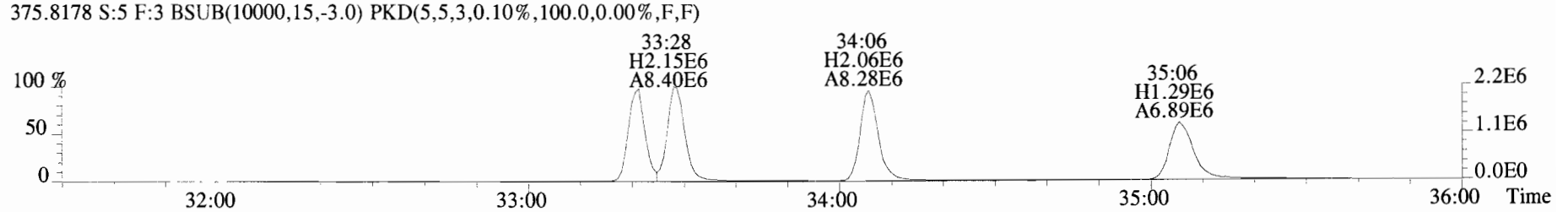
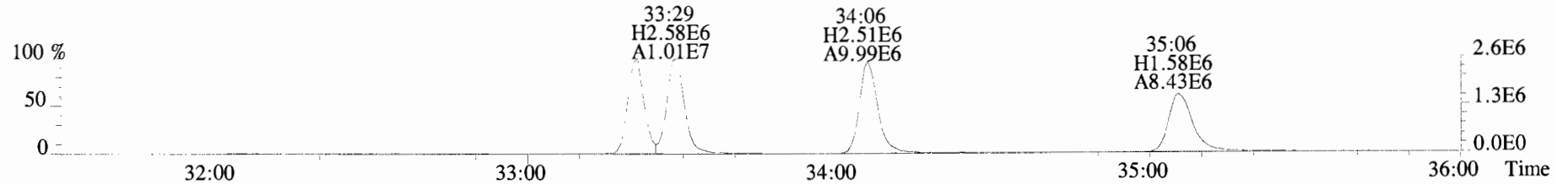
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



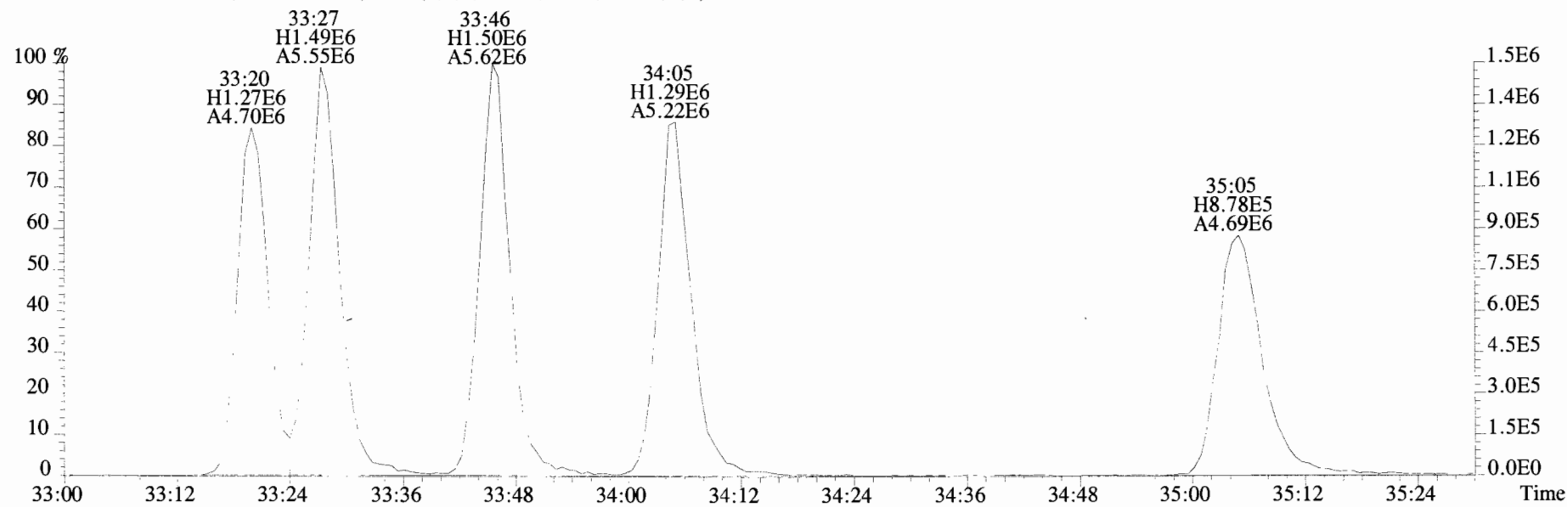
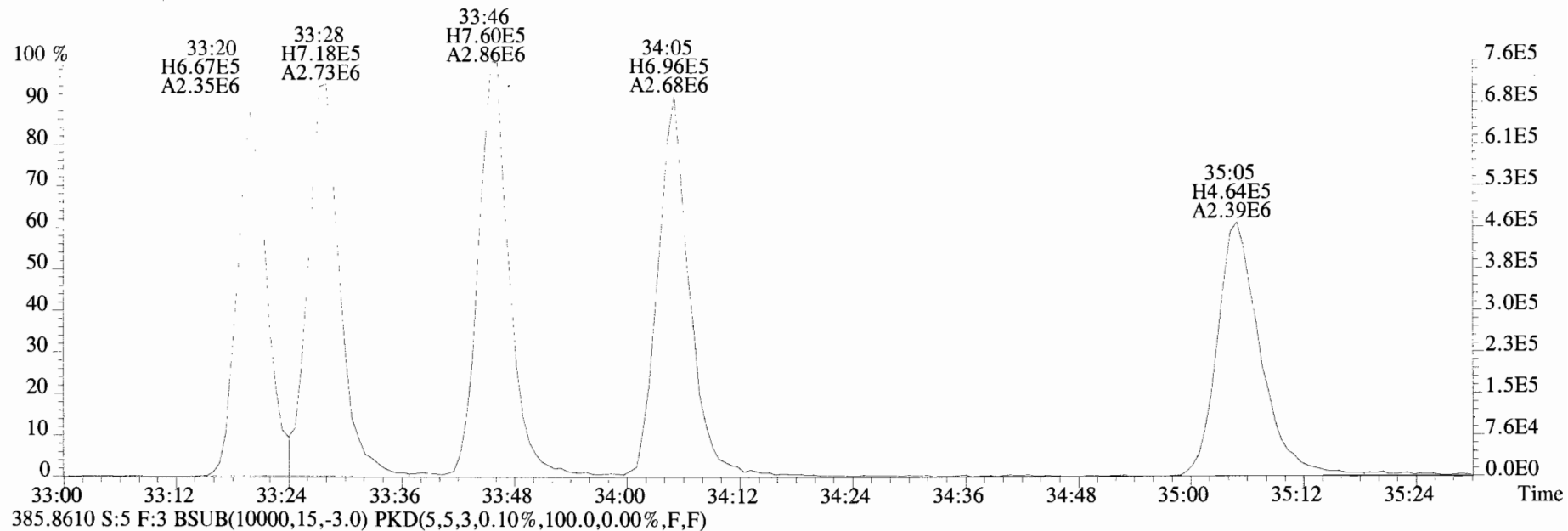
File:191009D1 #1-210 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



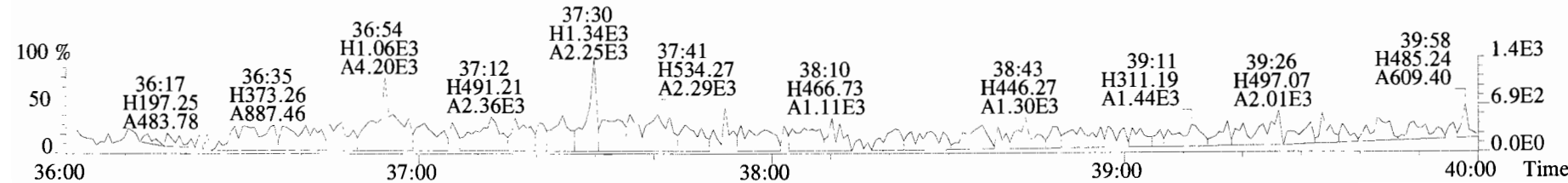
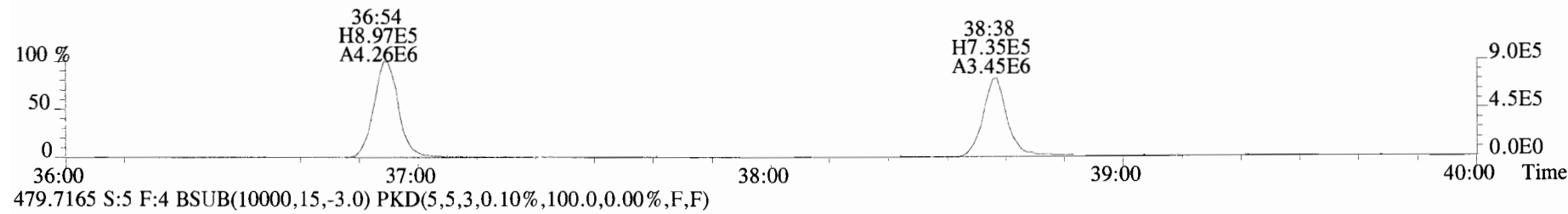
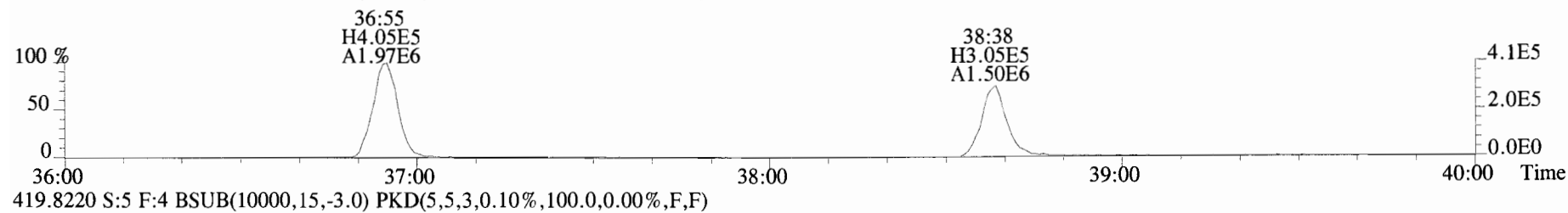
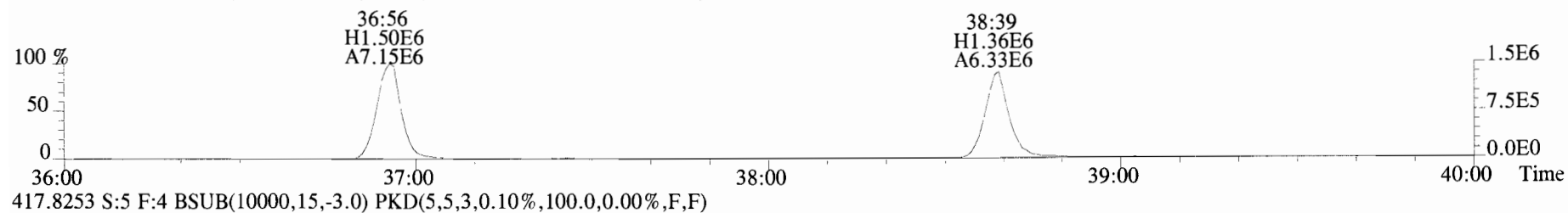
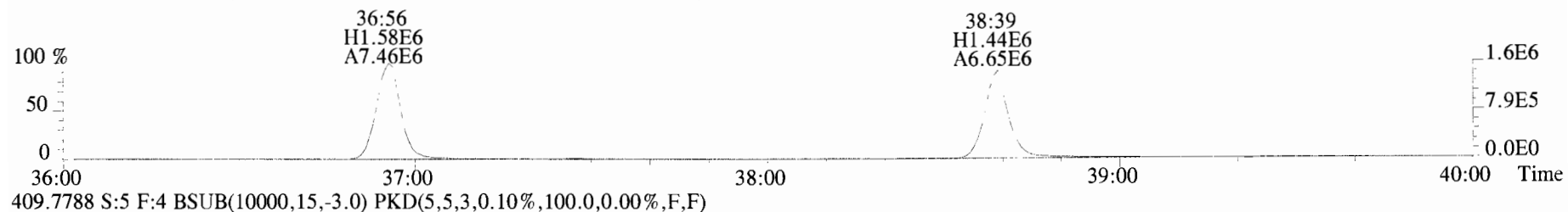
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 373.8207 S:5 F:3 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



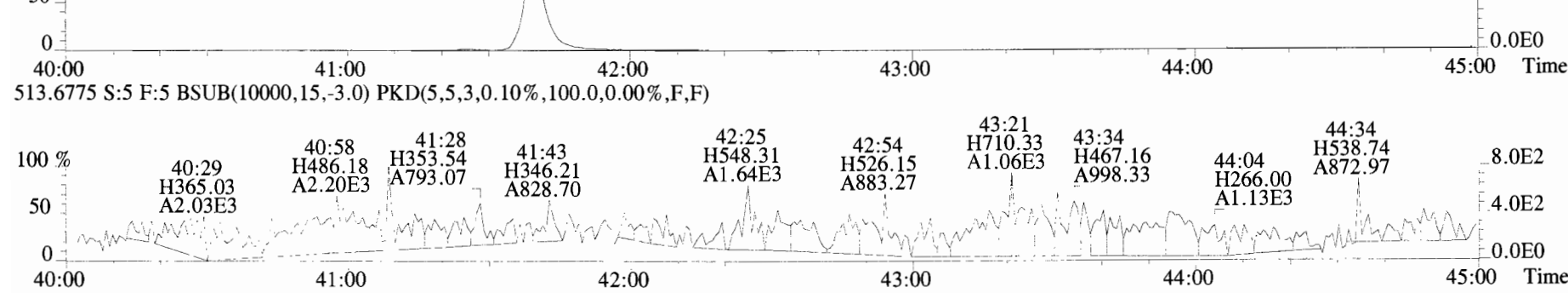
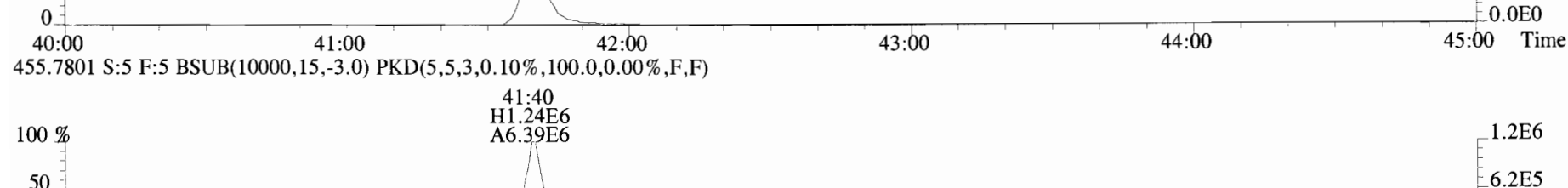
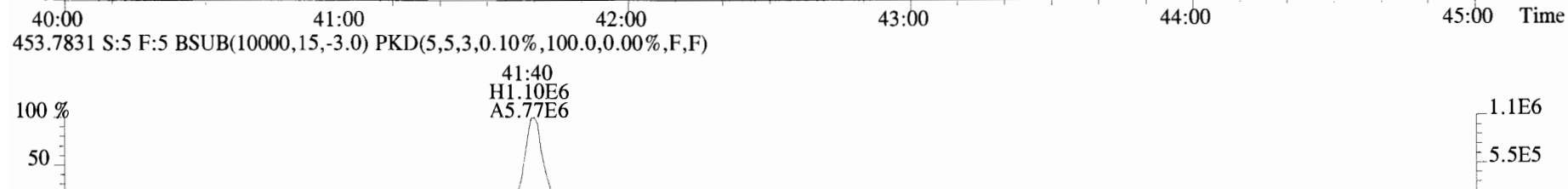
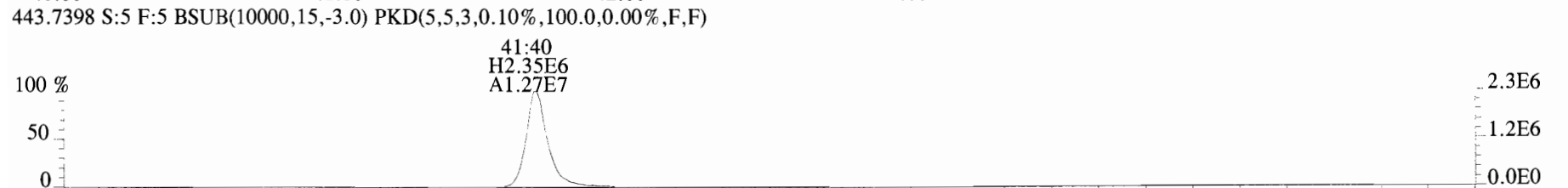
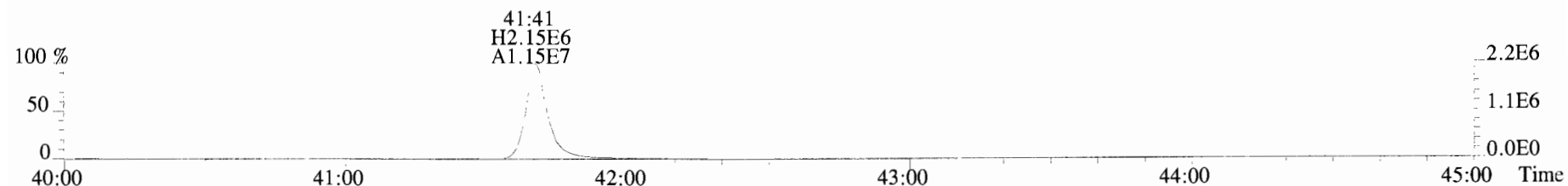
File: 191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text: ST191009D1-5 1613 CS4 19C2205 Exp: OCDD_DB5
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



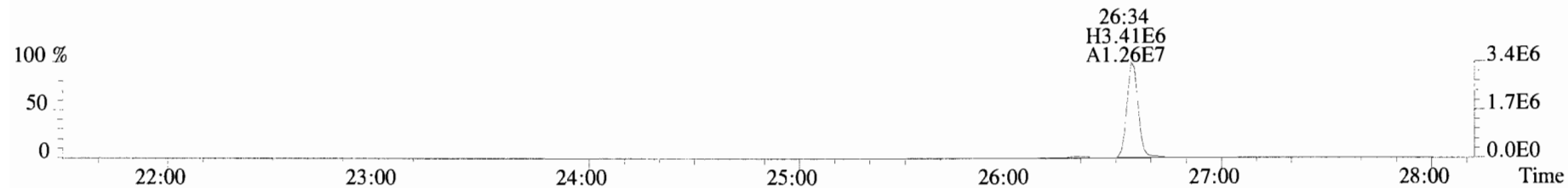
File:191009D1 #1-356 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



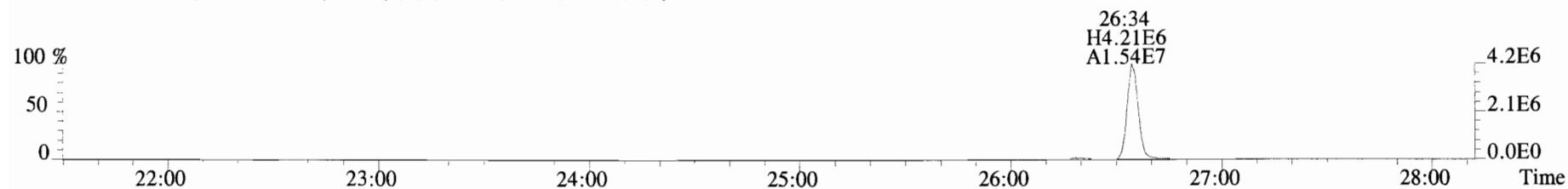
File:191009D1 #1-431 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



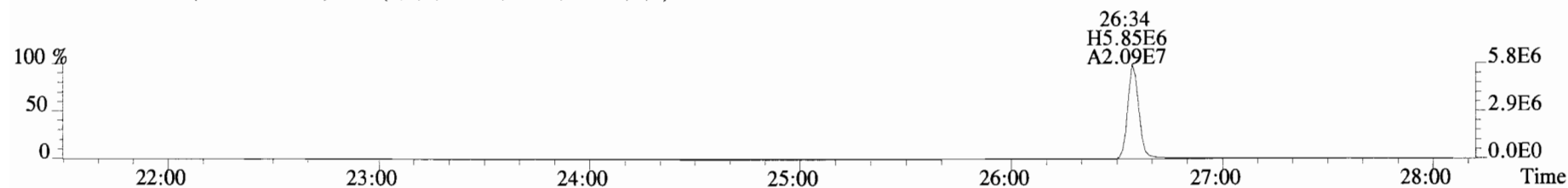
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



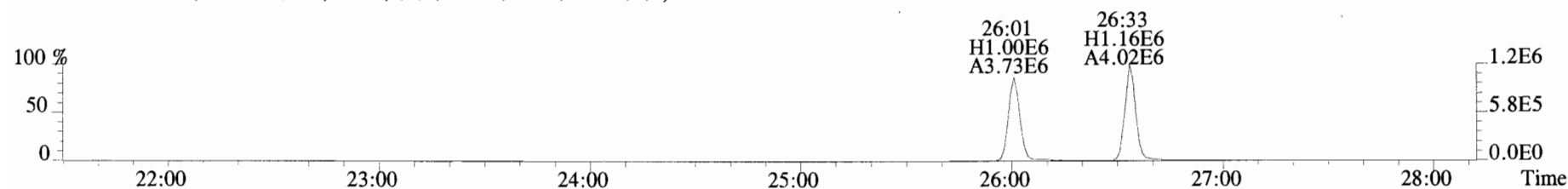
321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



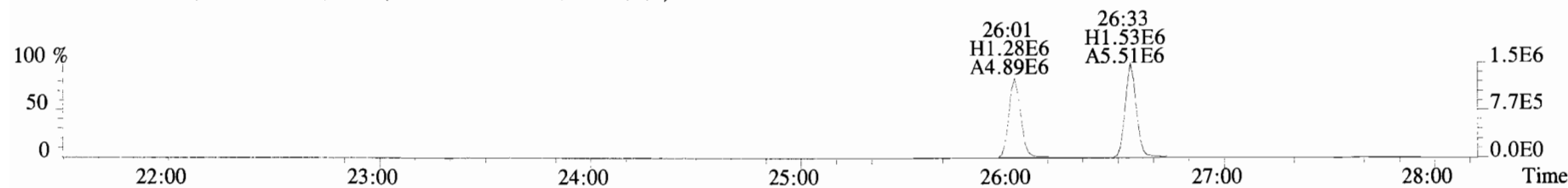
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



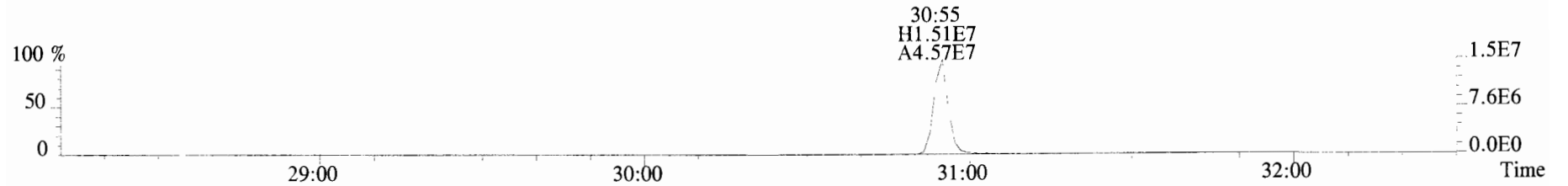
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



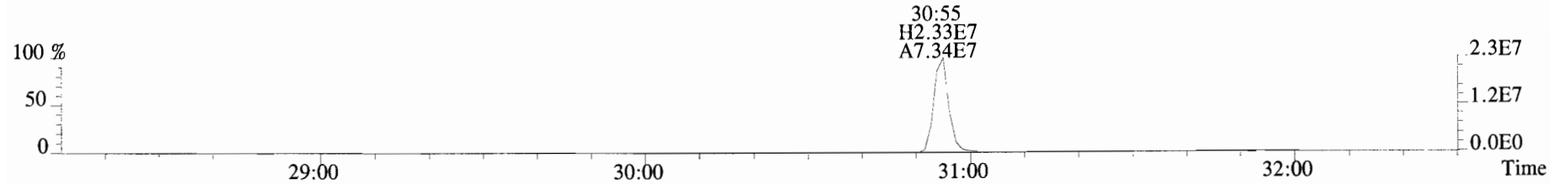
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



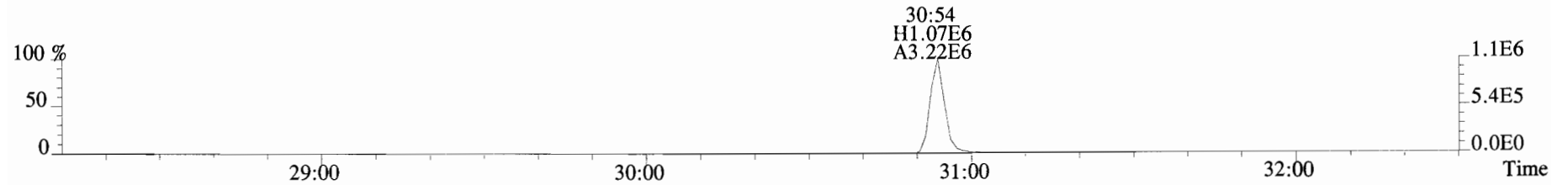
File:191009D1 #1-211 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
353.8576 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



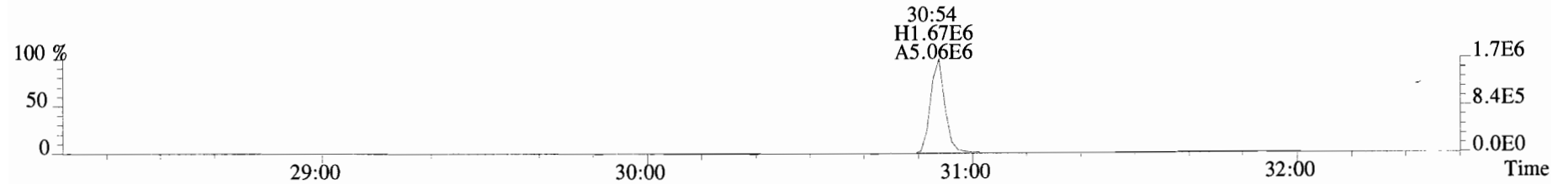
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



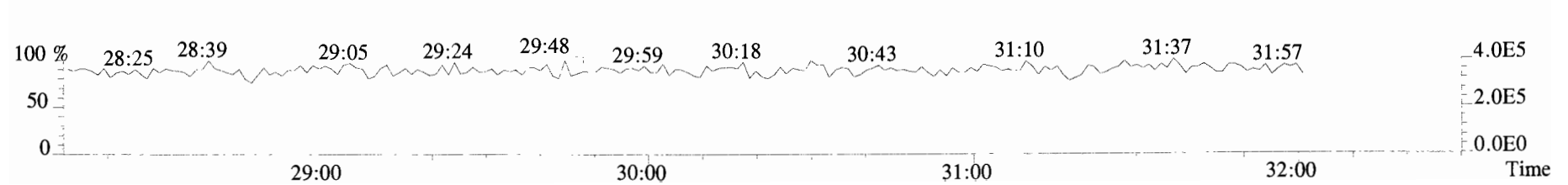
365.8978 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



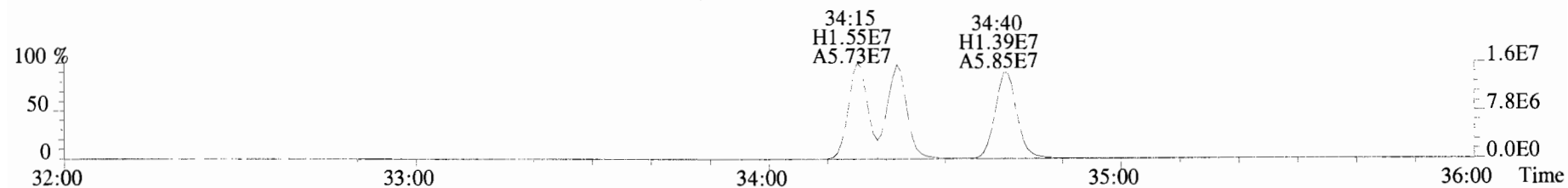
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



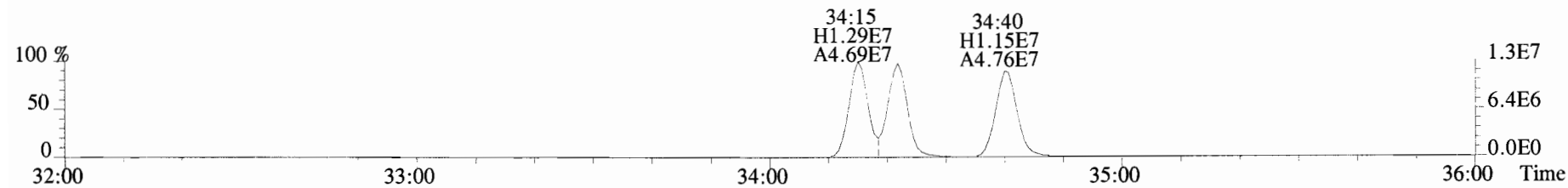
366.9792 S:6 F:2



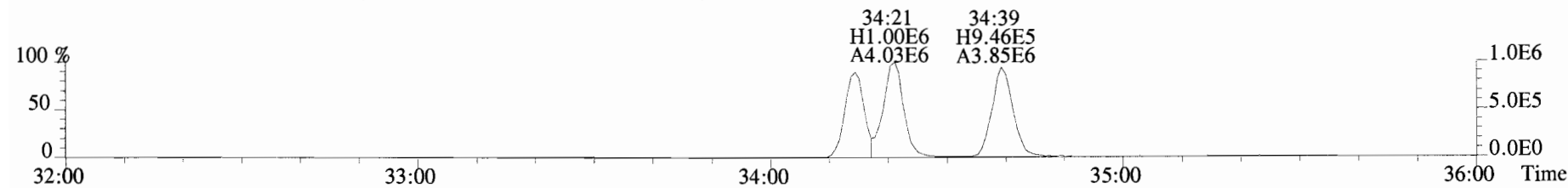
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



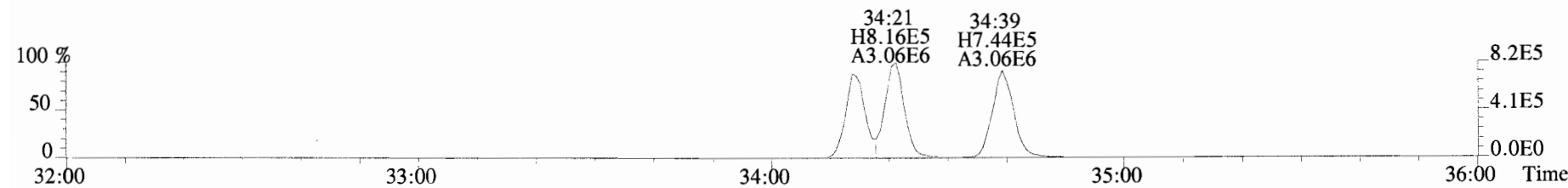
391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



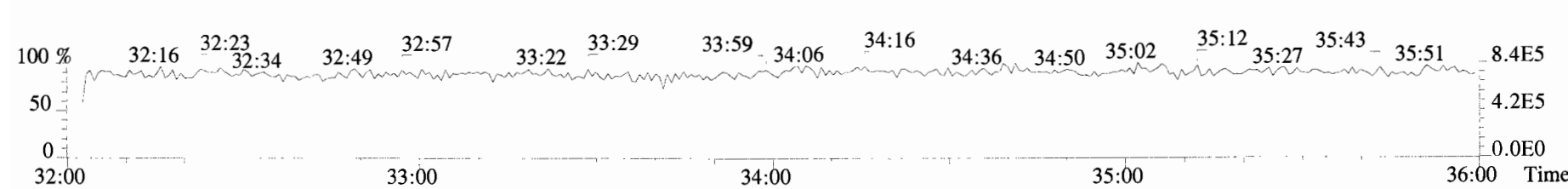
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



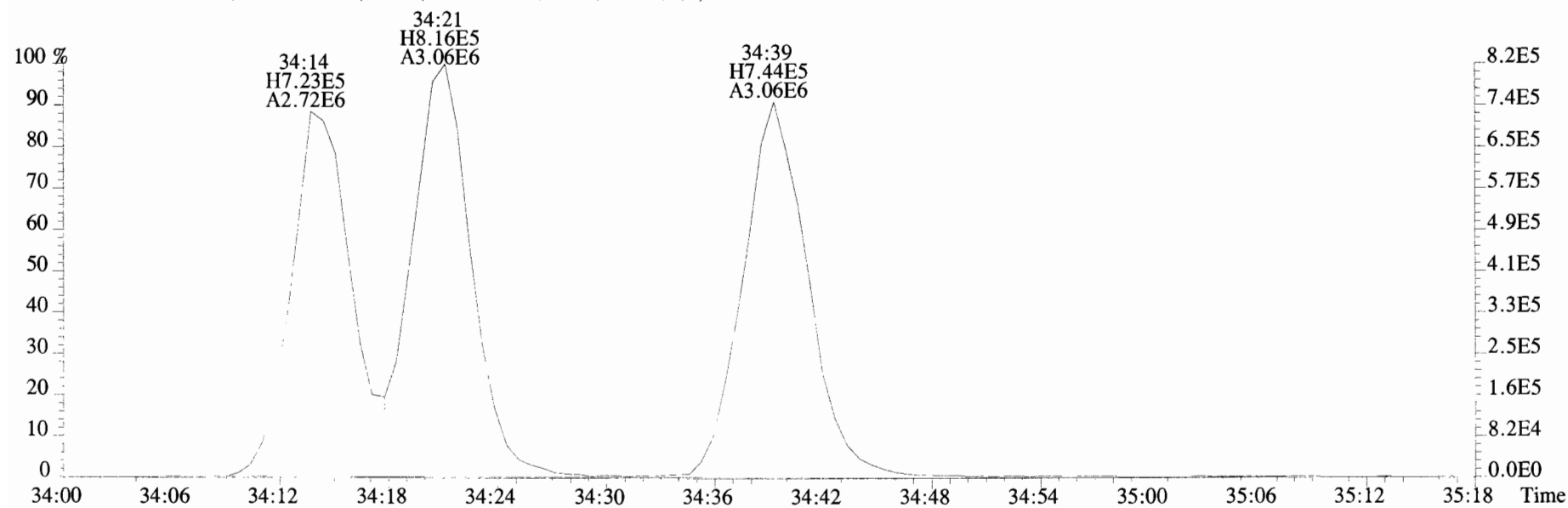
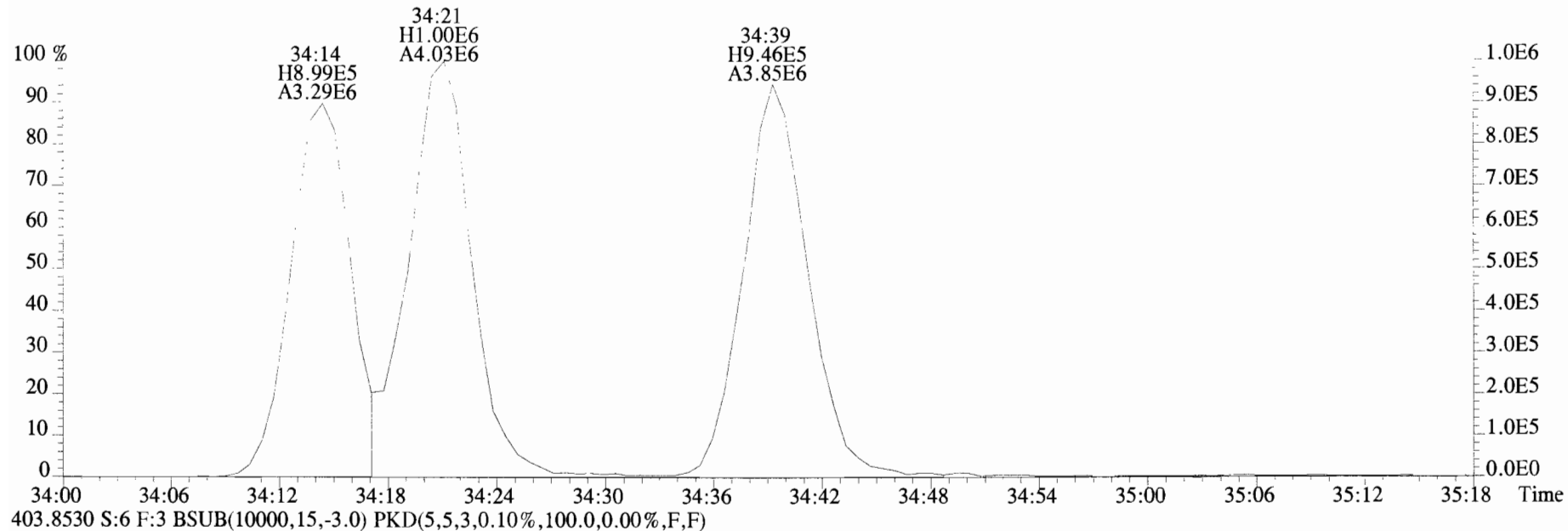
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



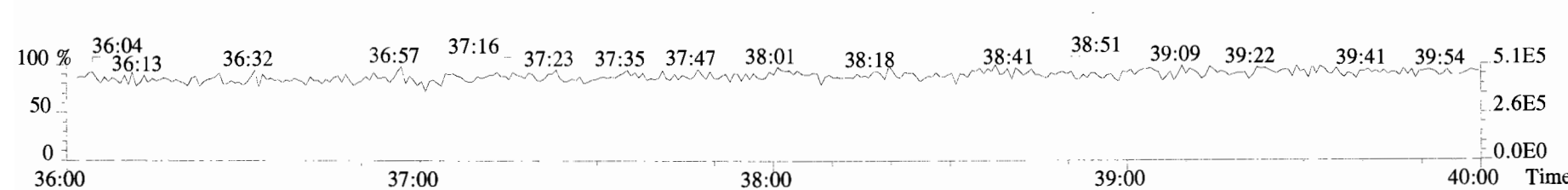
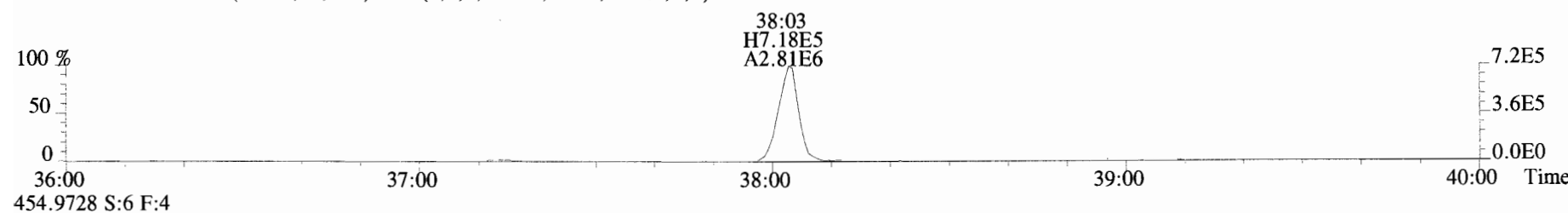
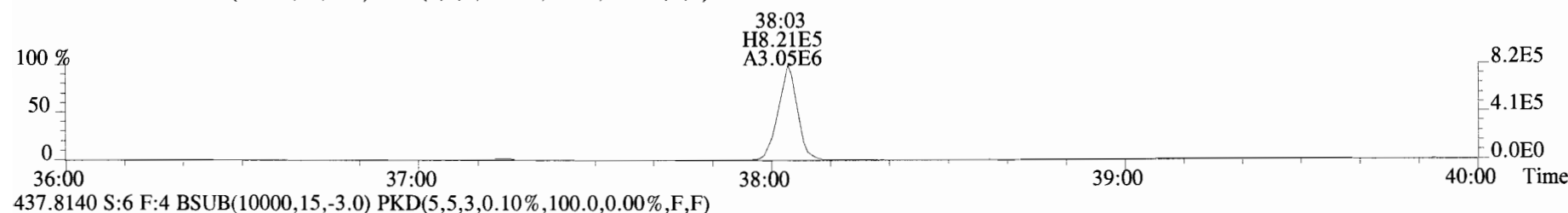
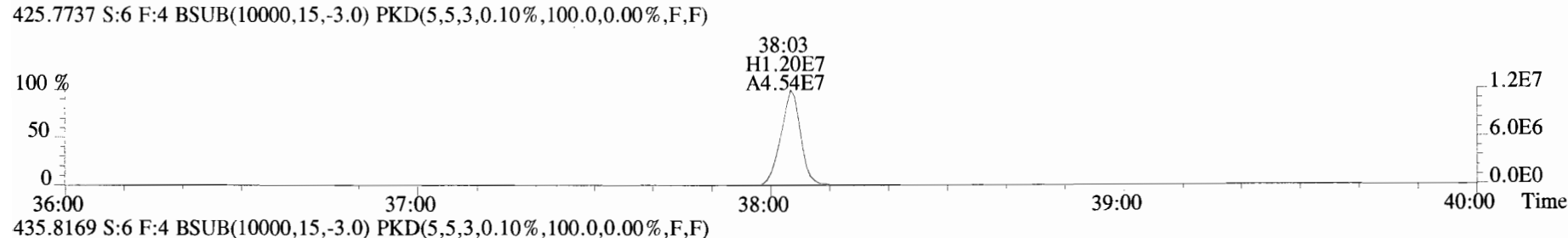
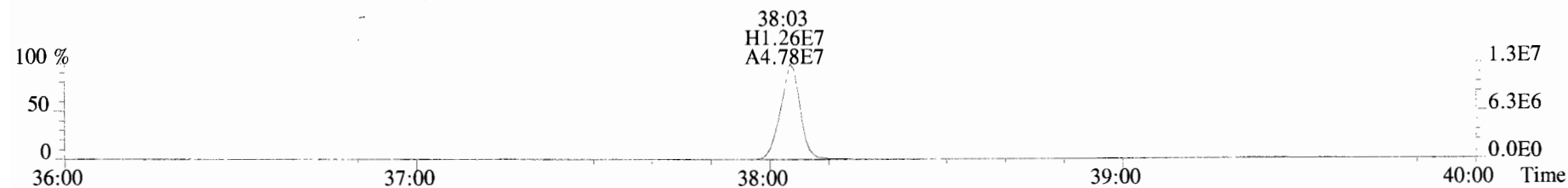
392.9760 S:6 F:3



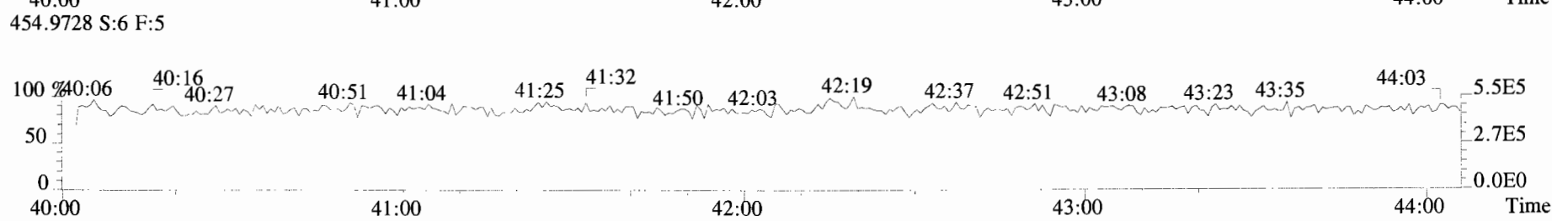
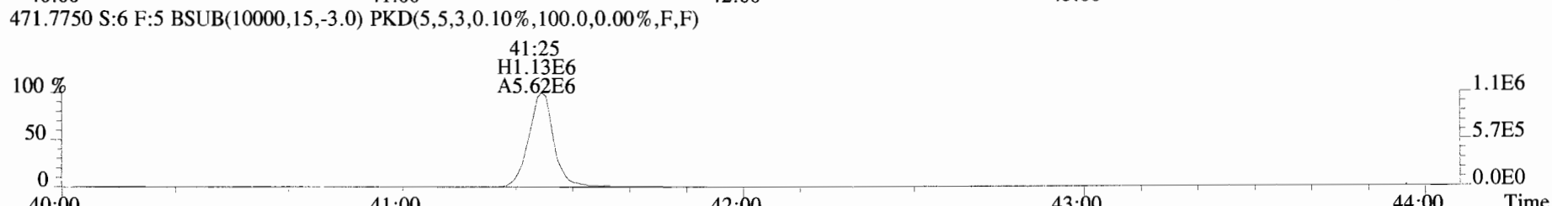
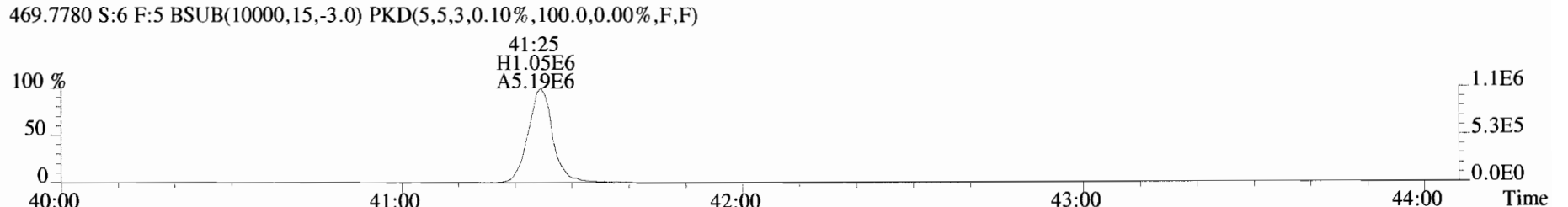
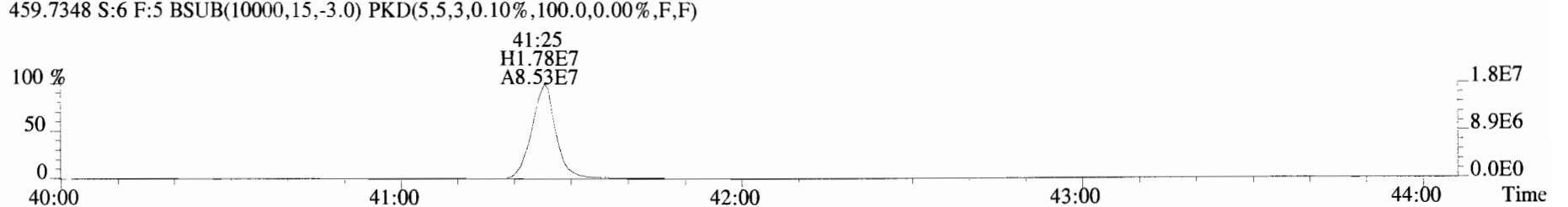
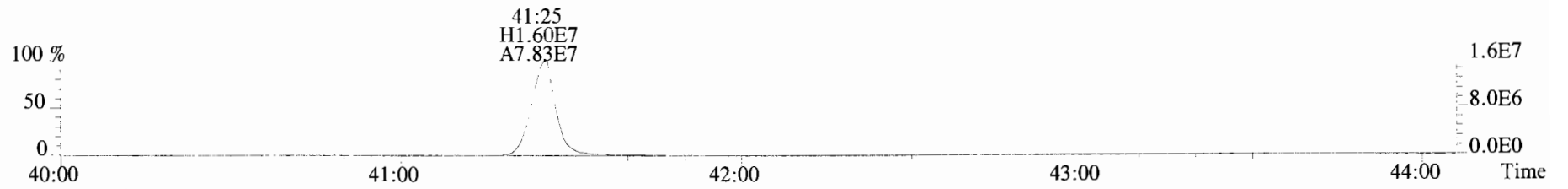
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



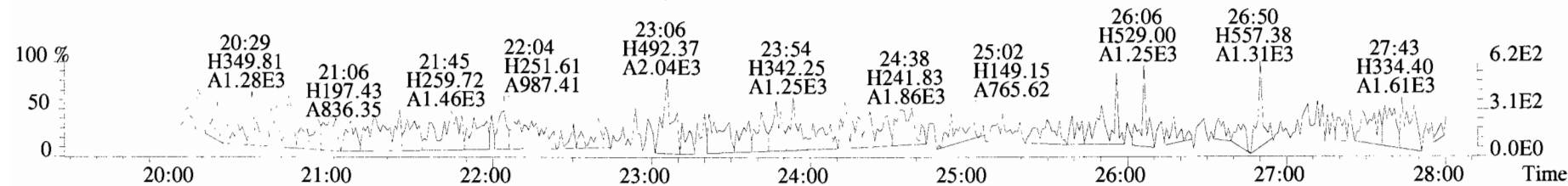
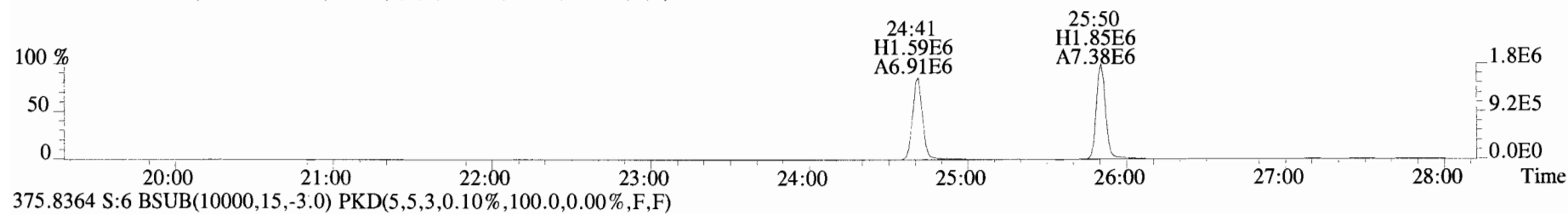
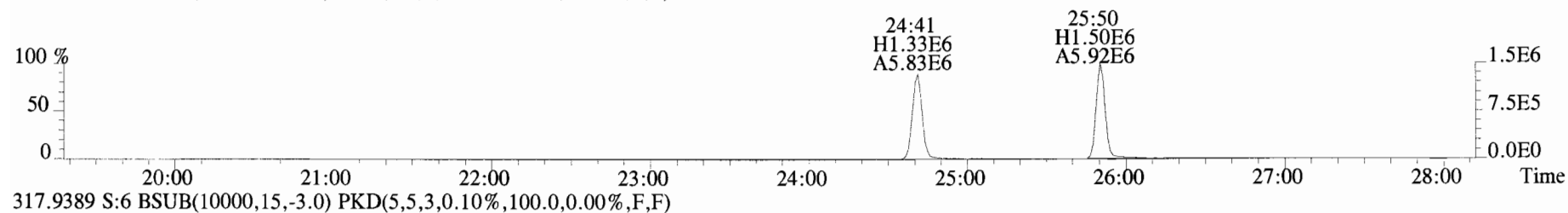
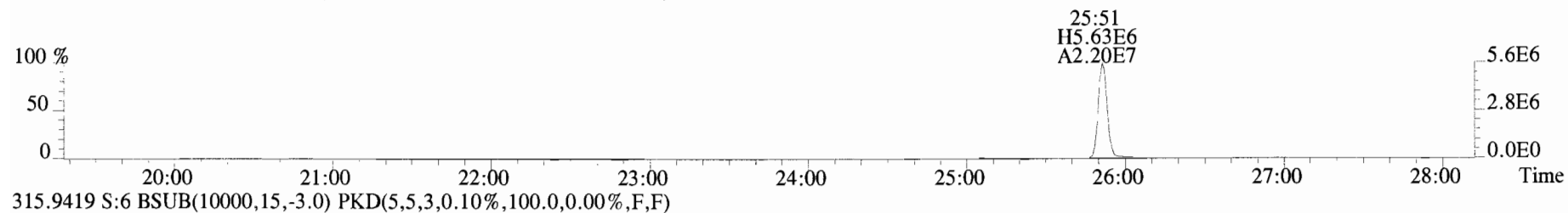
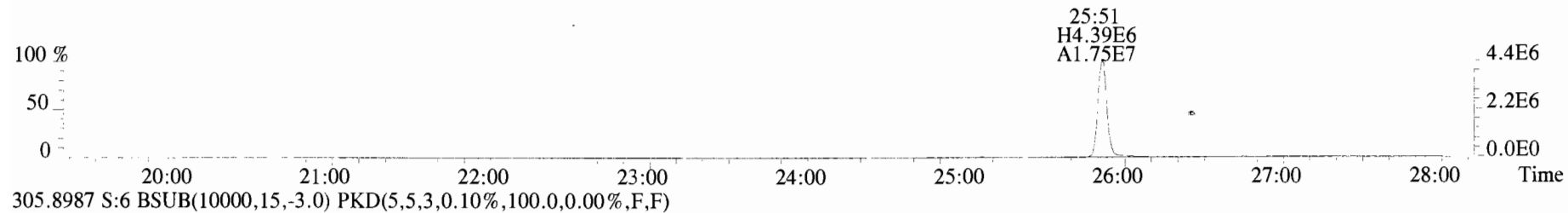
File:191009D1 #1-356 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



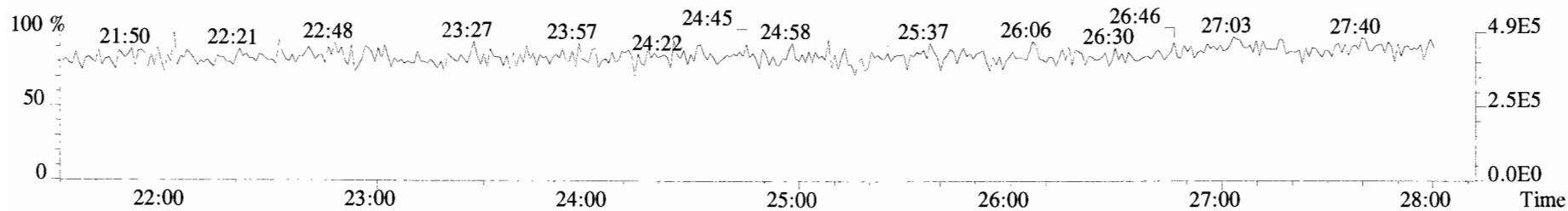
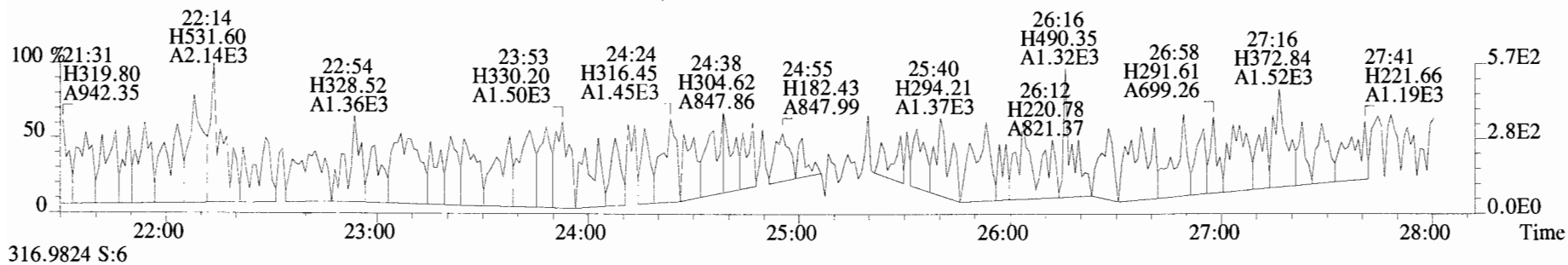
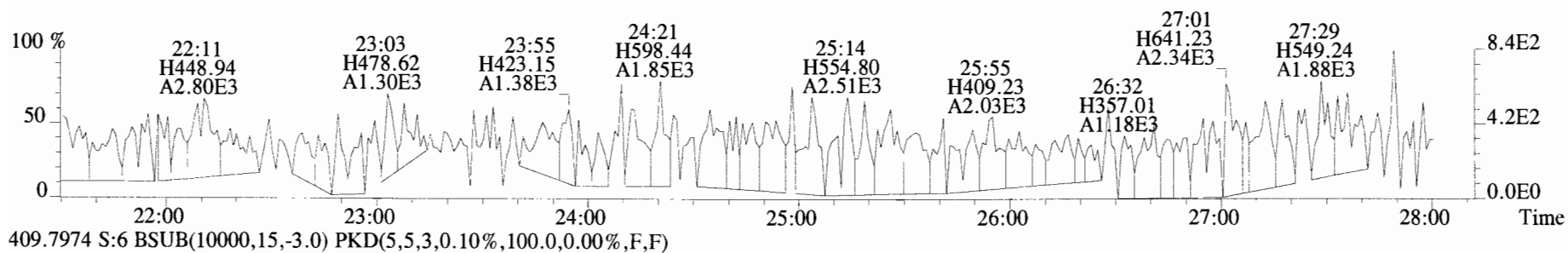
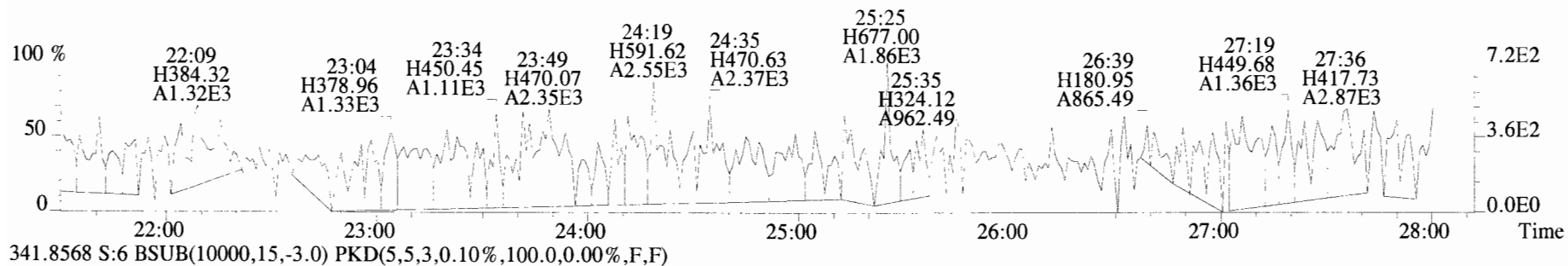
File:191009D1 #1-431 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



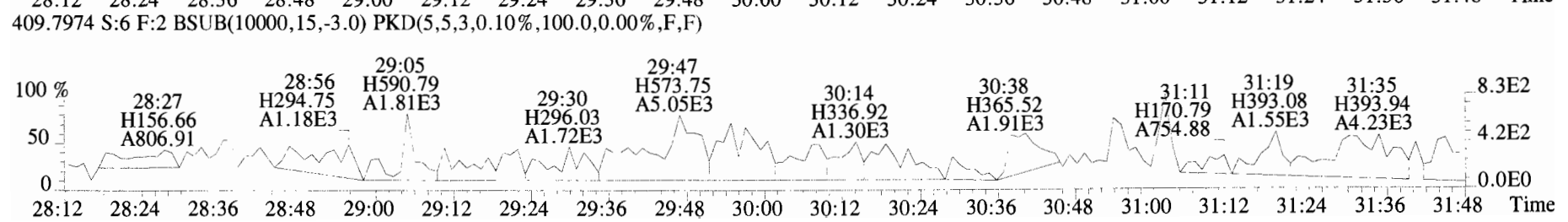
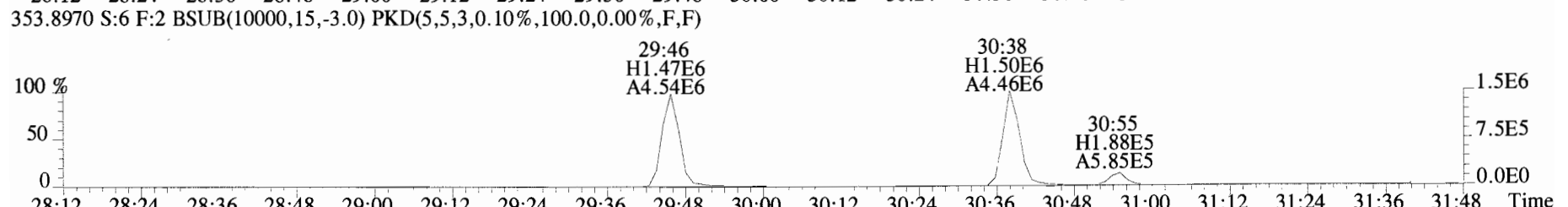
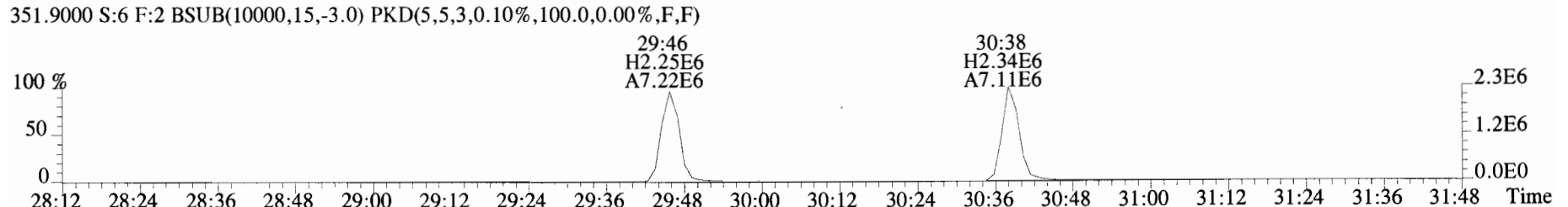
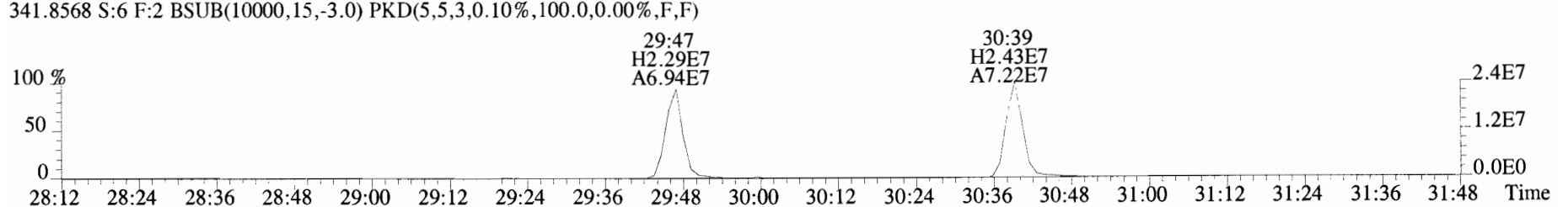
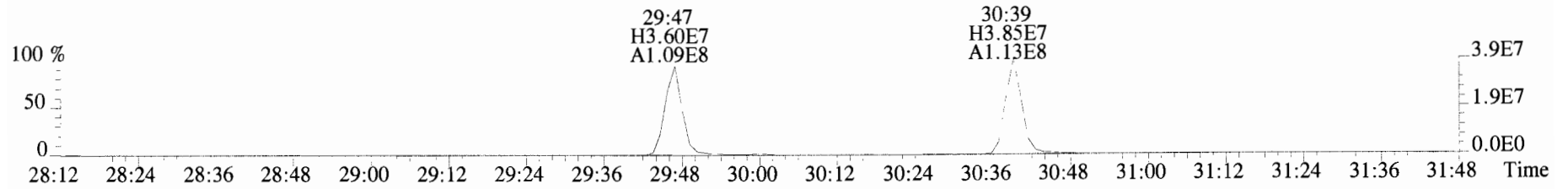
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



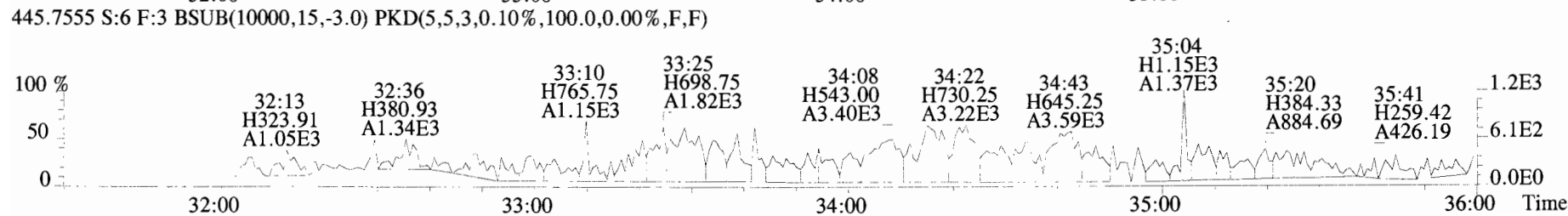
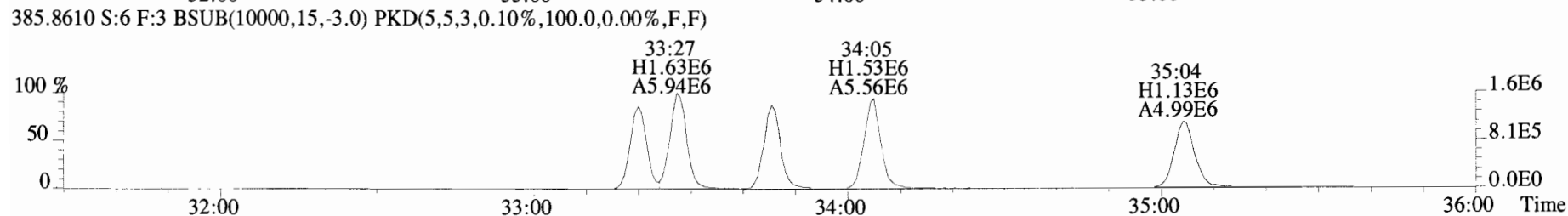
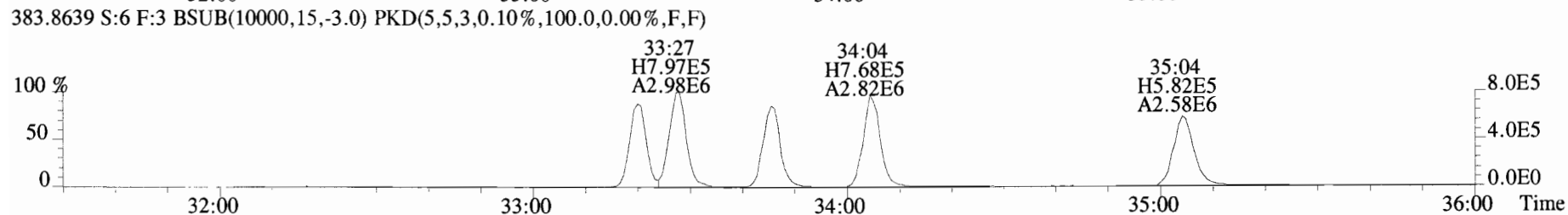
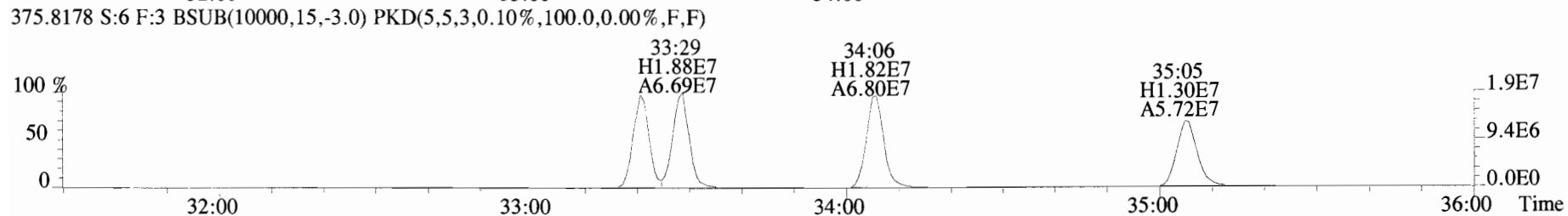
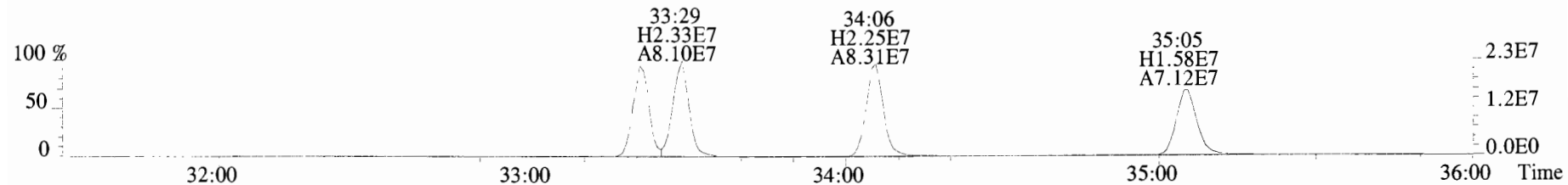
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



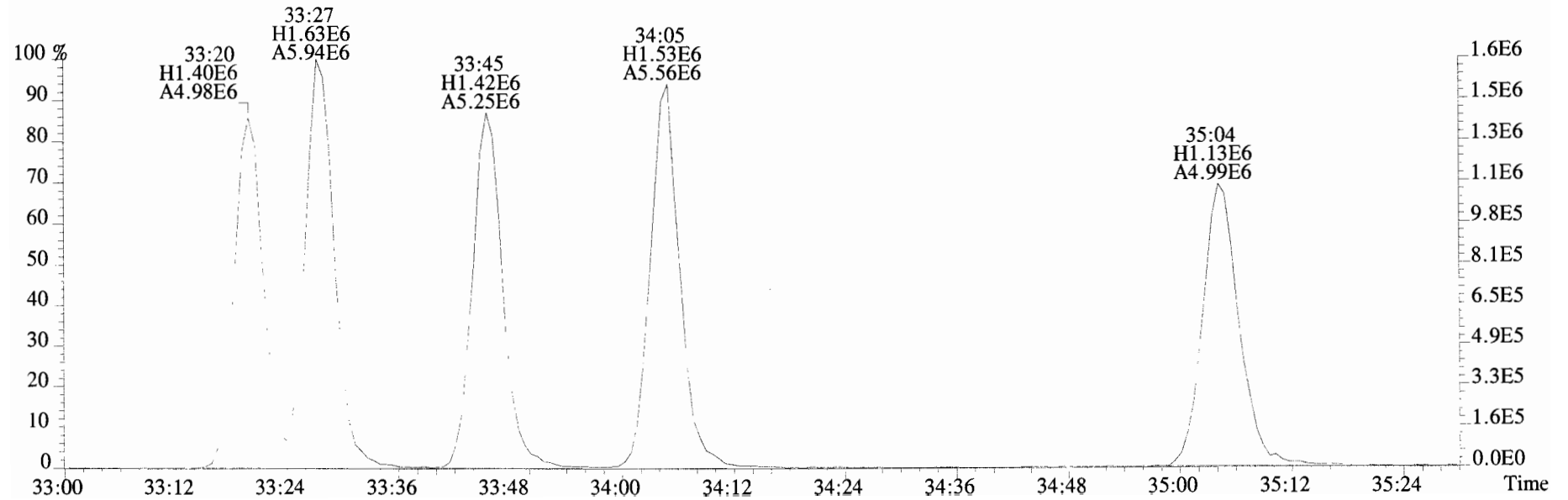
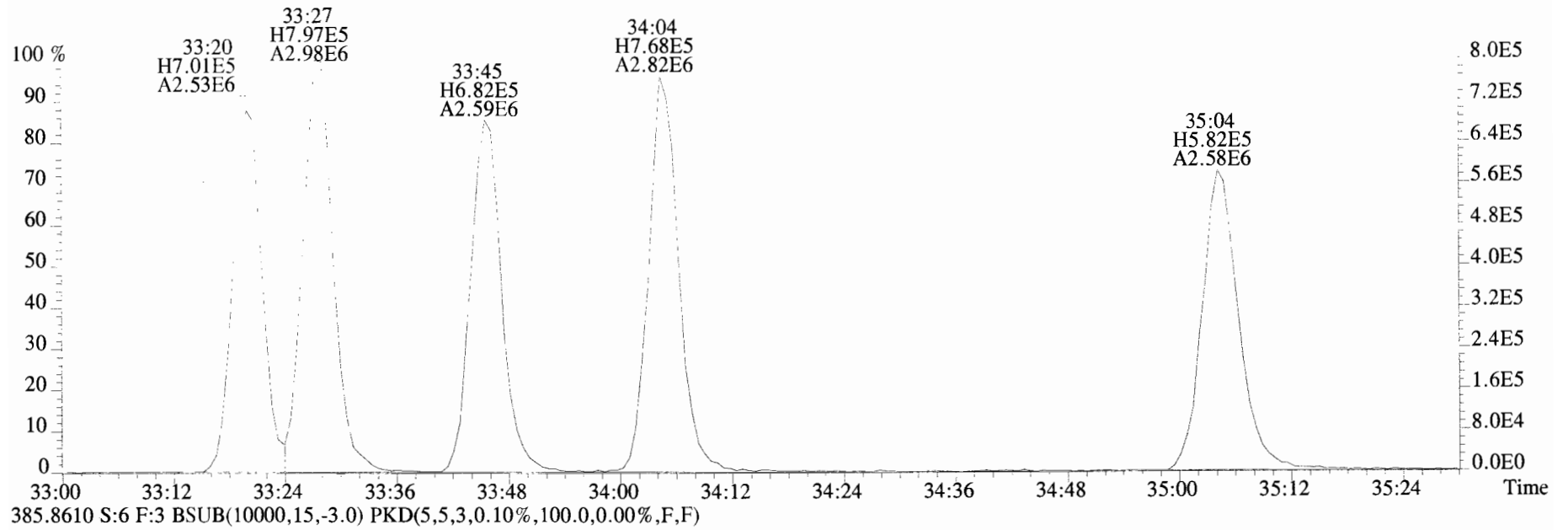
File:191009D1 #1-211 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



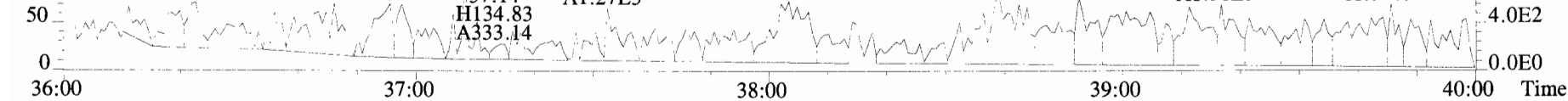
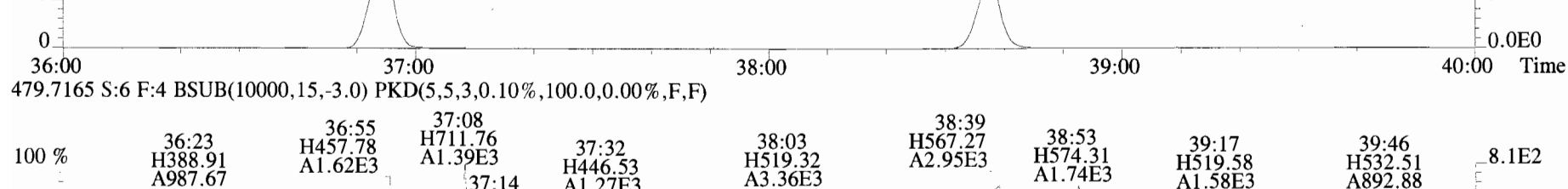
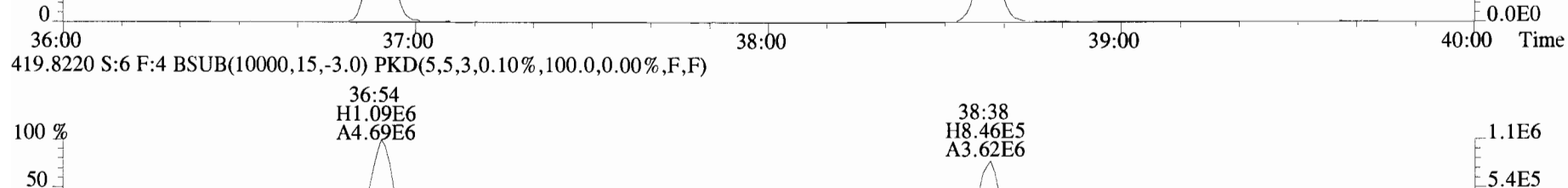
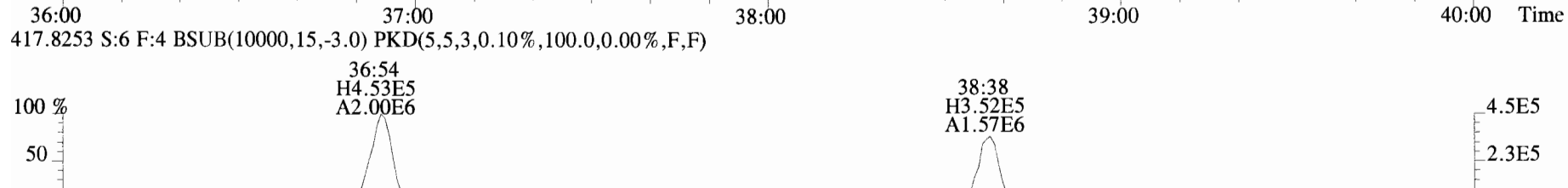
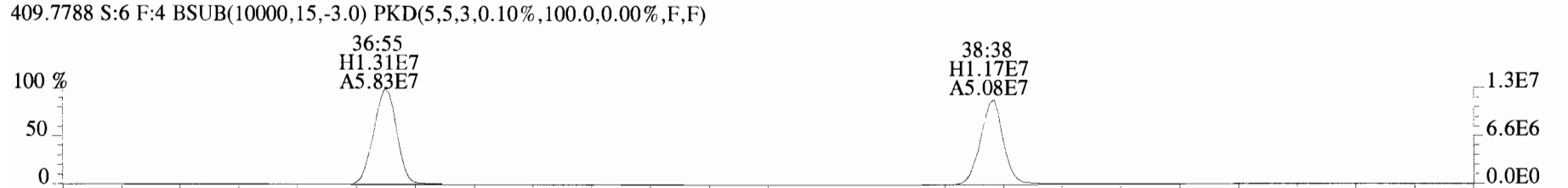
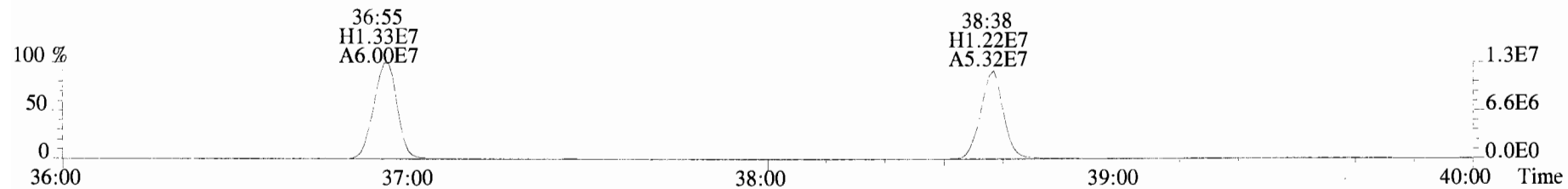
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



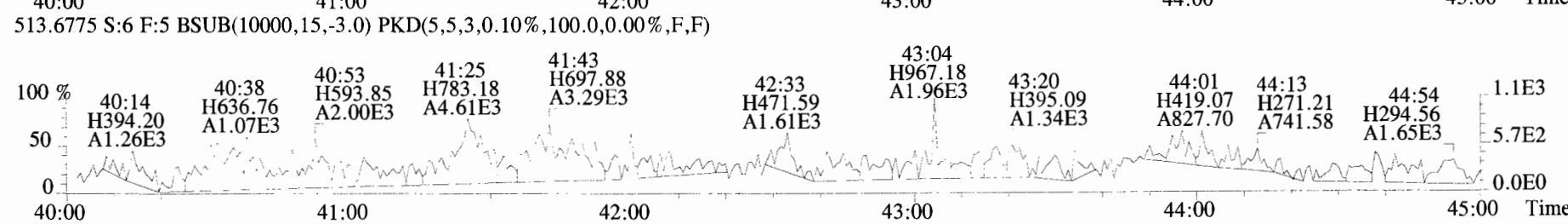
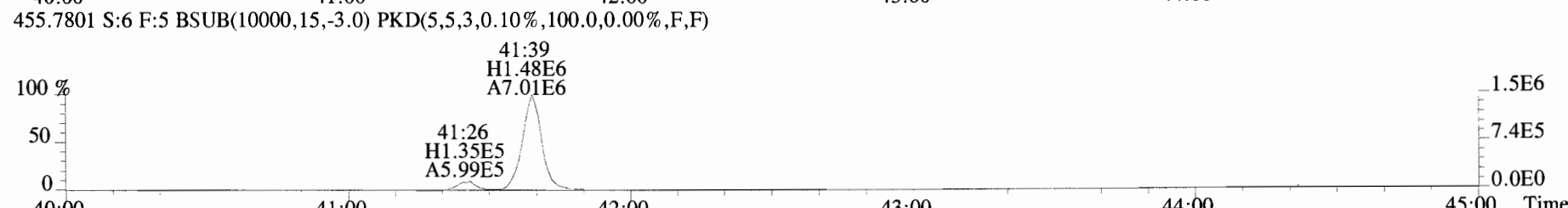
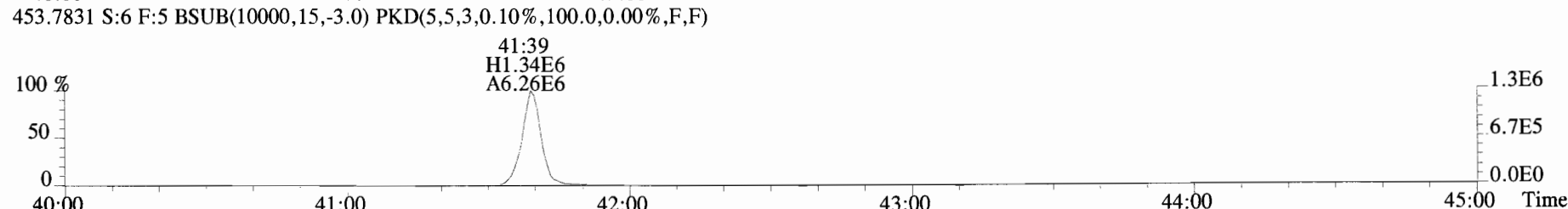
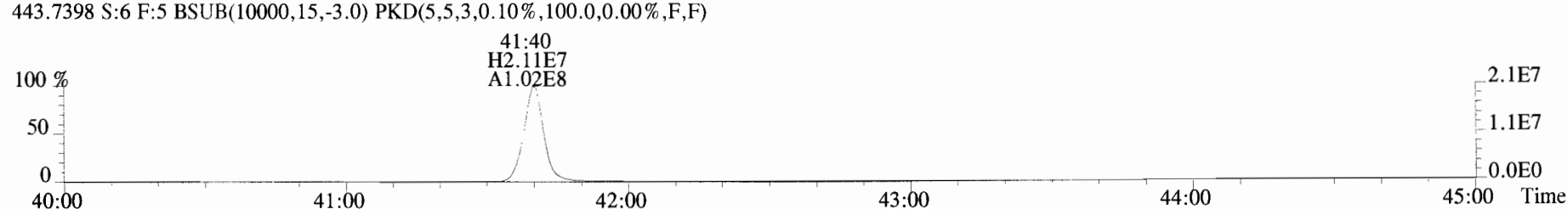
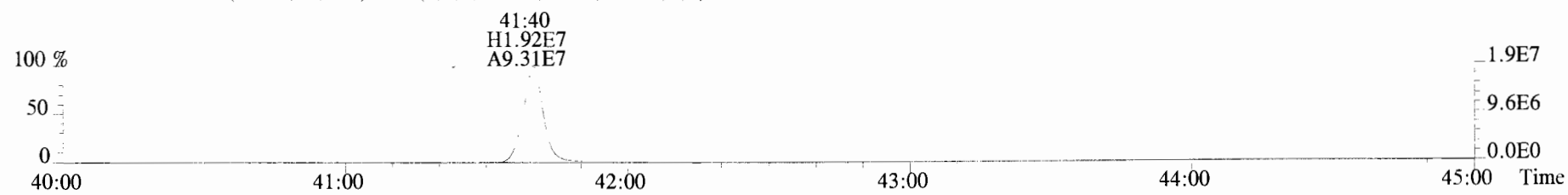
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-356 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

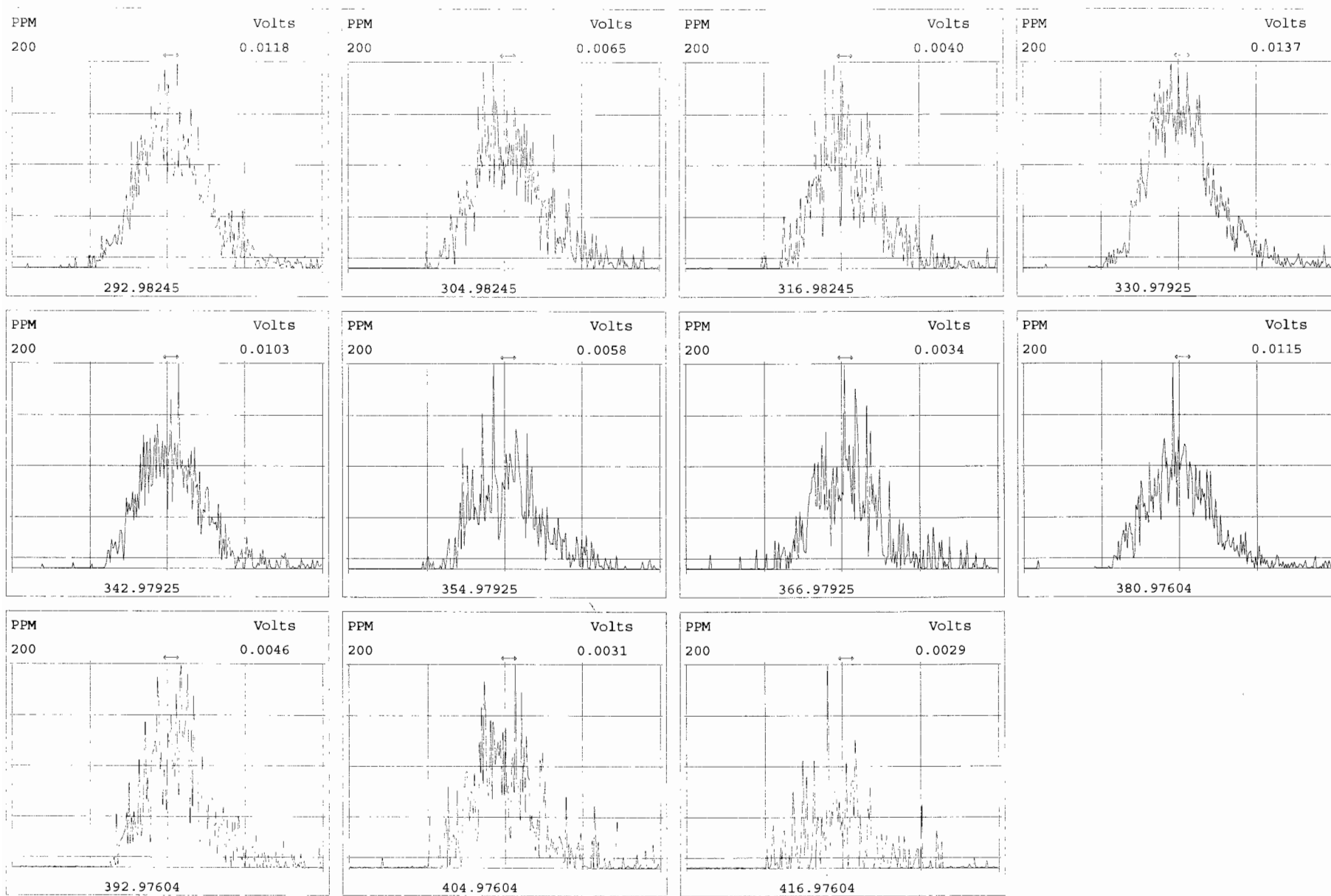


File:191009D1 #1-431 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



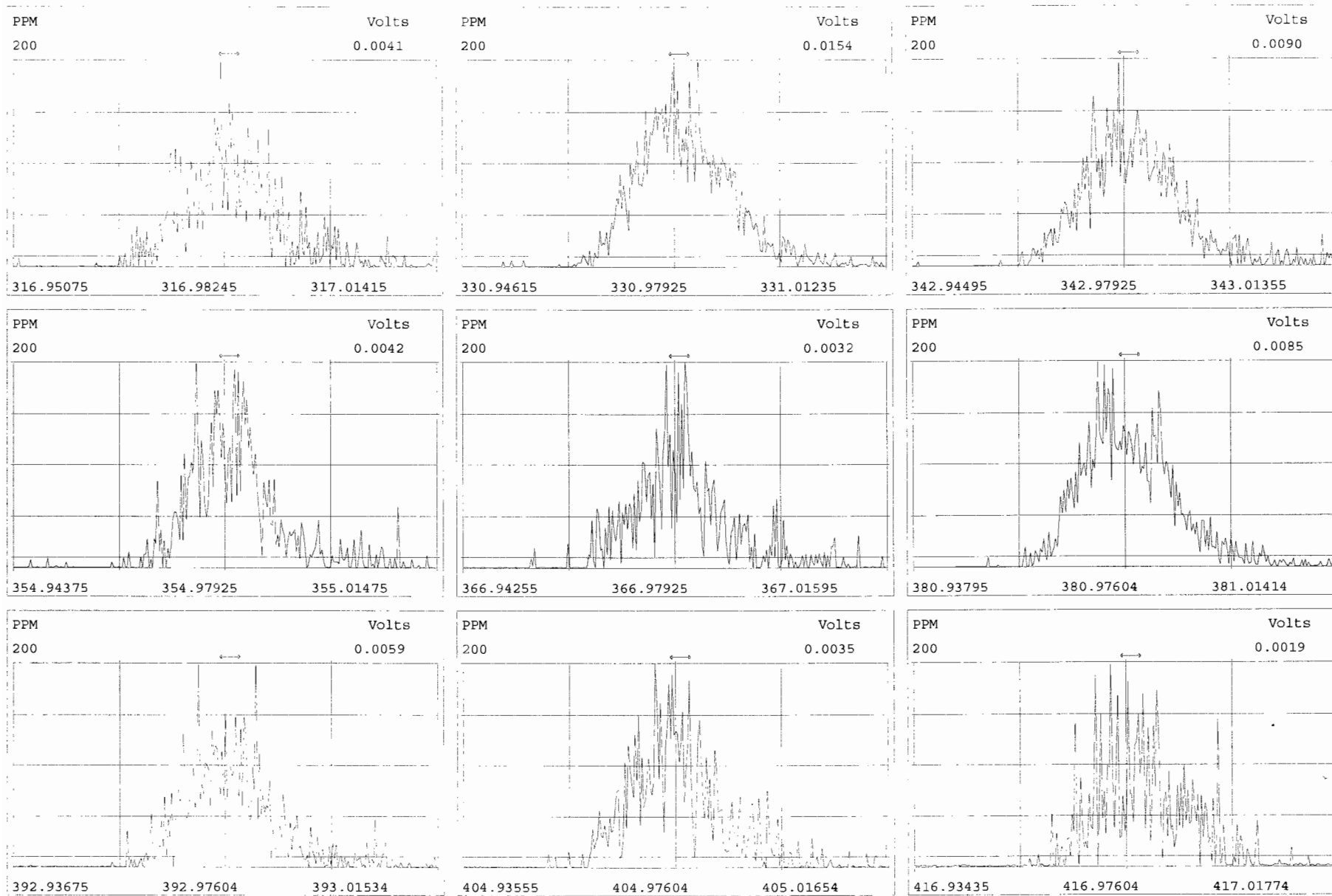
Peak Locate Examination:10-OCT-2019:06:40 File:RES_CHECK

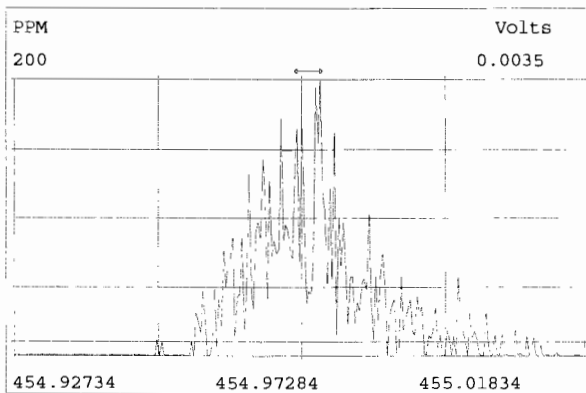
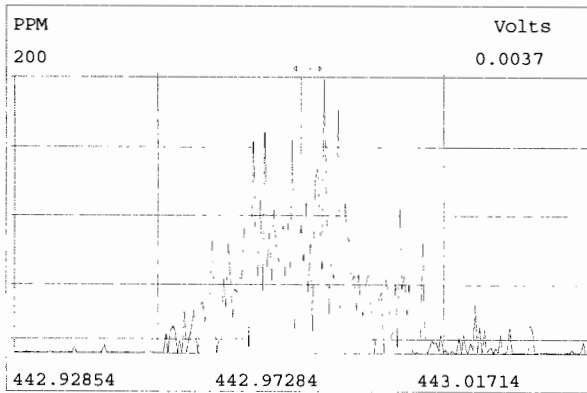
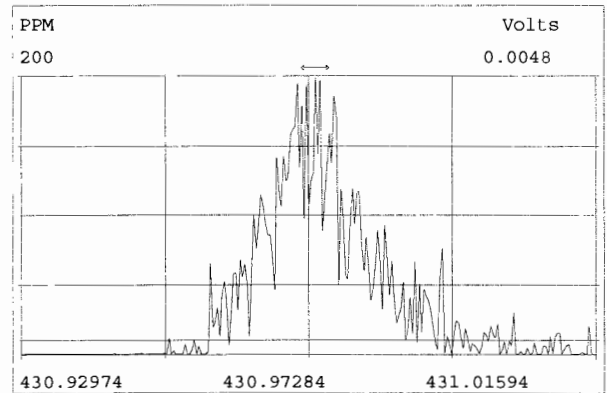
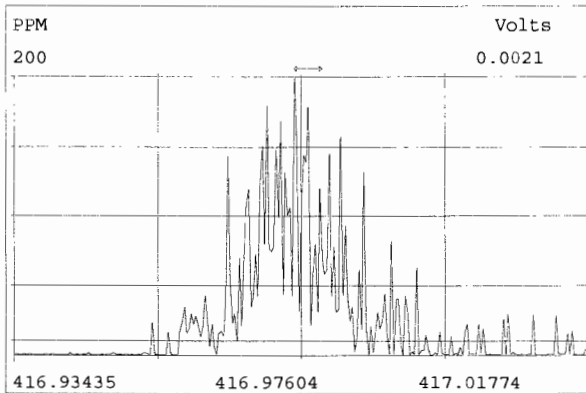
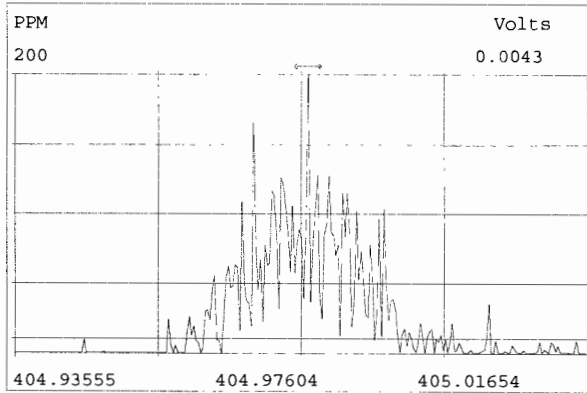
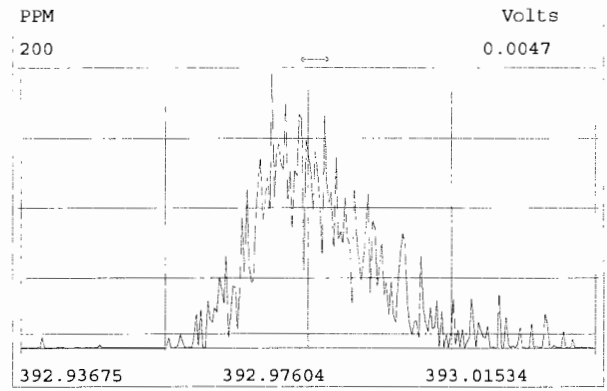
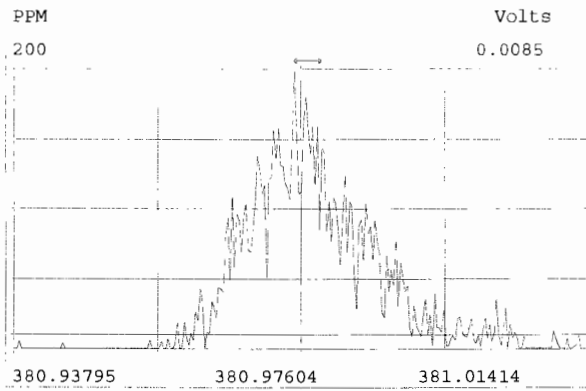
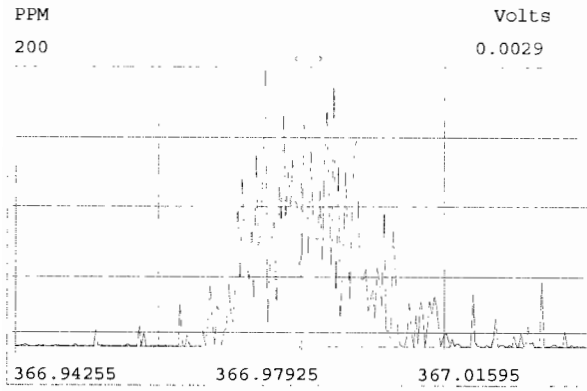
Experiment:OCDD_DB5 Function:1 Reference:PFK

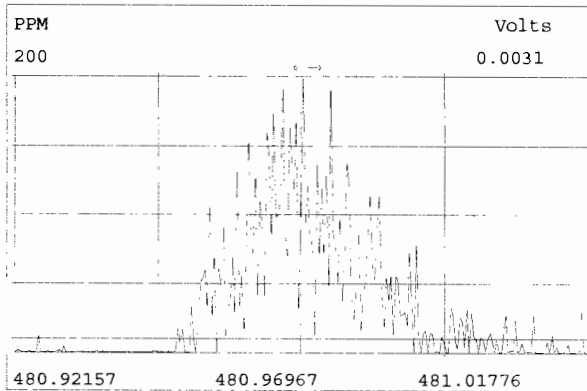
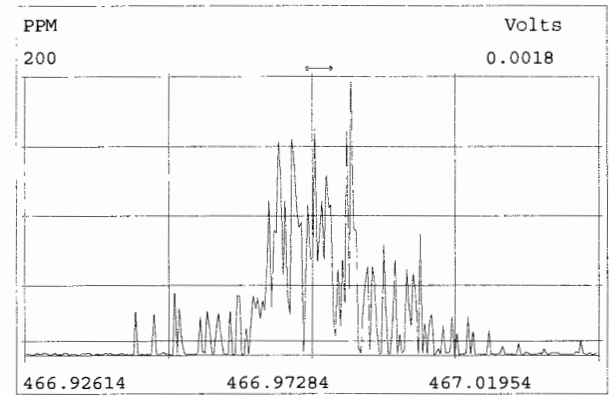
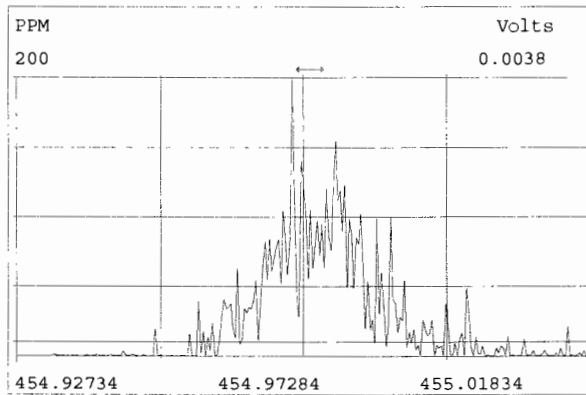
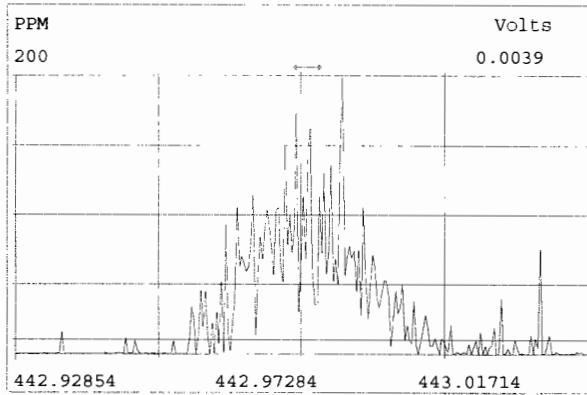
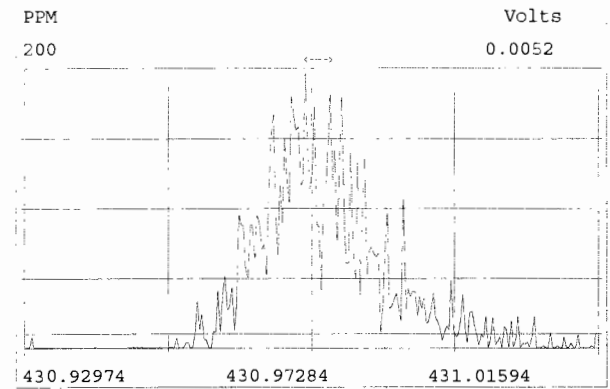
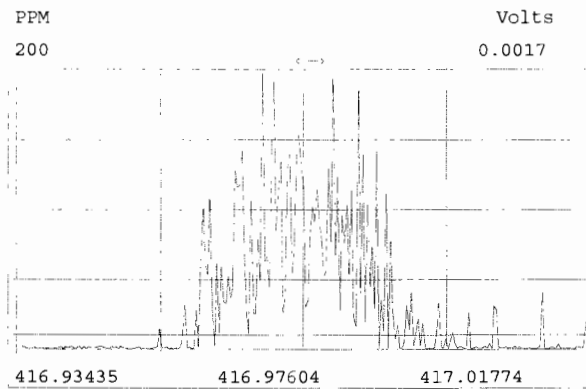
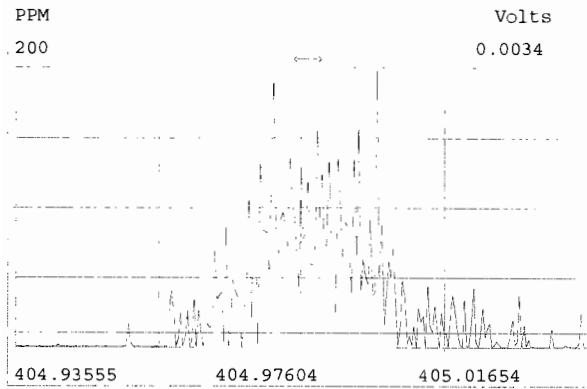


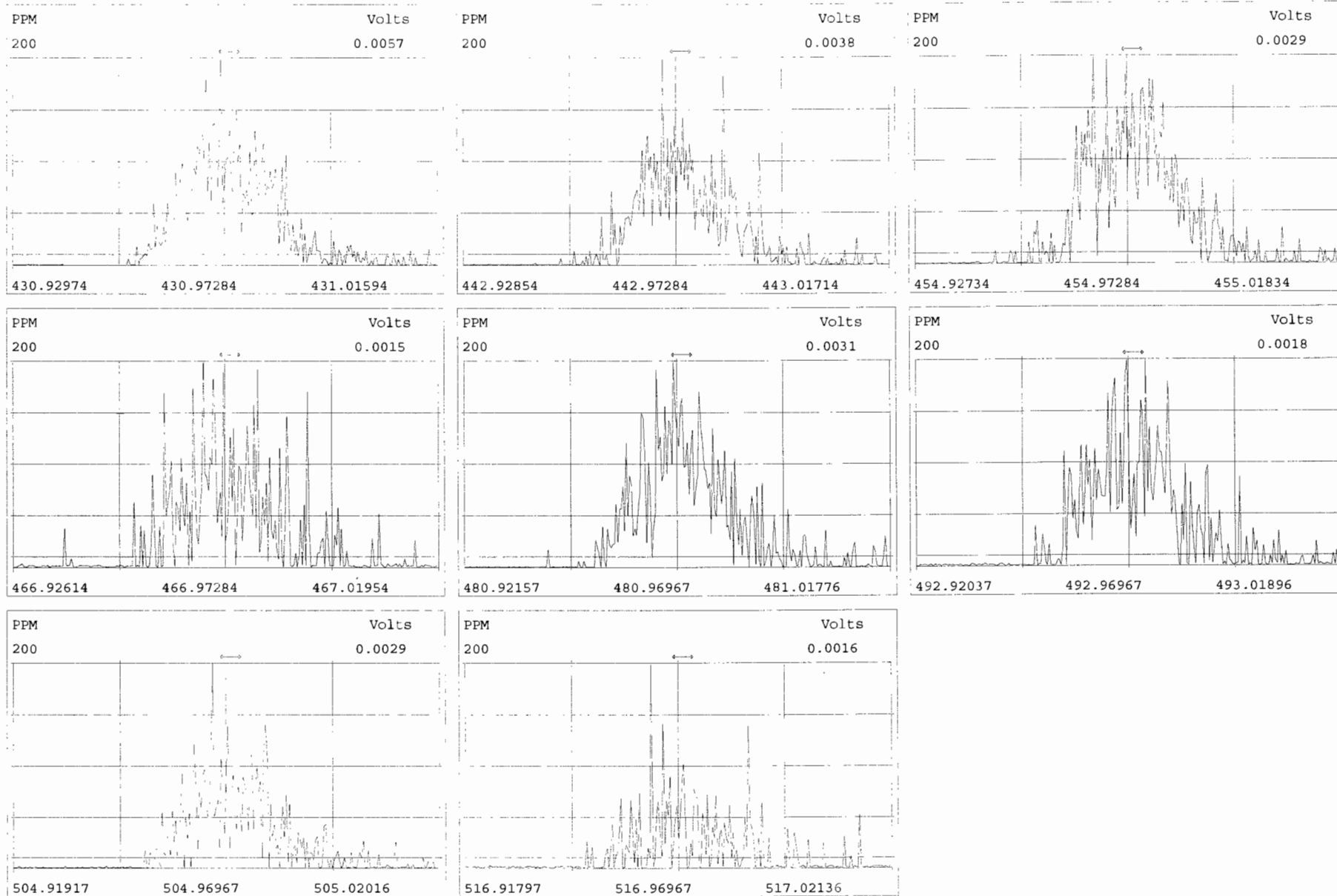
Peak Locate Examination:10-OCT-2019:06:41 File:RES_CHECK

Experiment:OCDD_DB5 Function:2 Reference:PFK









FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

CCAL ID: SS191009D1-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7

GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

NATIVE ANALYTES	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC. RANGE (3) (ng/mL)
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			
2,3,7,8-TCDD	M/M+2	0.83	0.65-0.89	y	10.2	7.8 - 12.9 8.2 - 12.3 (4)
1,2,3,7,8-PeCDD	M/M+2	0.63	0.54-0.72	y	51.3	39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.31	1.05-1.43	y	48.9	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.18	1.05-1.43	y	52.4	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.17	1.05-1.43	y	50.4	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.02	0.88-1.20	y	51.9	43.0 - 58.0
OCDD	M+2/M+4	0.92	0.76-1.02	y	105	79.0 - 126.0
2,3,7,8-TCDF	M/M+2	0.78	0.65-0.89	y	10.3	8.4 - 12.0 8.6 - 11.6 (4)
1,2,3,7,8-PeCDF	M+2/M+4	1.54	1.32-1.78	y	50.2	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.60	1.32-1.78	y	56.7	41.0 - 61.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.22	1.05-1.43	y	51.1	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.23	1.05-1.43	y	51.5	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.20	1.05-1.43	y	51.5	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.24	1.05-1.43	y	50.9	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.05	0.88-1.20	y	53.0	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.05	0.88-1.20	y	50.2	43.0 - 58.0
OCDF	M+2/M+4	0.92	0.76-1.02	y	102	63.0 - 159.0

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified in Table 9, Method 1613.

(3) Contract-required concentration range as specified in Table 6, Method 1613.

(4) Contract-required concentration range as specified in Table 6a, Method 1613, for tetras only.

Analyst: DB

Date: 10/10/19

FORM 4B
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

LABELED COMPOUNDS	M/Z'S	ION	QC	Pass	CONC. FOUND	CONC. RANGE (ng/mL)
	FORMING RATIO (1)	ABUND. RATIO	LIMITS (2)			
13C-2,3,7,8-TCDD	M/M+2	0.72	0.65-0.89	y	100	82.0 - 121.0
13C-1,2,3,7,8-PeCDD	M/M+2	0.64	0.54-0.72	y	101	62.0 - 160.0
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.23	1.05-1.43	y	95.9	85.0 - 117.0
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.25	1.05-1.43	y	95.6	85.0 - 118.0
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.26	1.05-1.43	y	94.3	85.0 - 118.0
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88-1.20	y	91.7	72.0 - 138.0
13C-OCDD	M/M+2	0.92	0.76-1.02	y	190	96.0 - 415.0
13C-2,3,7,8-TCDF	M+2/M+4	0.78	0.65-0.89	y	97.2	71.0 - 140.0
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.62	1.32-1.78	y	97.4	76.0 - 130.0
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.59	1.32-1.78	y	96.6	77.0 - 130.0
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	102	76.0 - 131.0
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	101	70.0 - 143.0
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	97.1	73.0 - 137.0
13C-1,2,3,7,8,9-HxCDF	M/M+2	0.51	0.43-0.59	y	99.0	74.0 - 135.0
13C-1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.43	0.37-0.51	y	96.6	78.0 - 129.0
13C-1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.44	0.37-0.51	y	102	77.0 - 129.0
13C-OCDF	M+2/M+4	0.88	0.76-1.02	y	197	96.0 - 415.0
CLEANUP STANDARD (3)						
37Cl-2,3,7,8-TCDD					9.08	7.9 - 12.7

(1) See Table 8, Method 1613, for m/z specifications.

(2) Ion Abundance Ratio Control Limits as specified

(3) No ion abundance ratio; report concentration found.

Analyst: DB

Date: 10/10/19

FORM 6A
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

Compounds Using 13C-1234-TCDD as RT Internal Standard

NATIVE ANALYTES	RETENTION TIME	RRT	RRT
	REFERENCE		QC LIMITS (1)
2,3,7,8-TCDD	13C-2,3,7,8-TCDD	1.001	0.999-1.002
1,2,3,7,8-PeCDD	13C-1,2,3,7,8-PeCDD	1.000	0.999-1.002
2,3,7,8-TCDF	13C-2,3,7,8-TCDF	1.001	0.999-1.003
1,2,3,7,8-PeCDF	13C-1,2,3,7,8-PeCDF	1.000	0.999-1.002
2,3,4,7,8-PeCDF	13C-2,3,4,7,8-PeCDF	1.000	0.999-1.002
LABELED COMPOUNDS			
13C-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.976-1.043
13C-1,2,3,7,8-PeCDD	13C-1,2,3,4-TCDD	1.189	1.000-1.567
13C-2,3,7,8-TCDF	13C-1,2,3,4-TCDD	0.994	0.923-1.103
13C-1,2,3,7,8-PeCDF	13C-1,2,3,4-TCDD	1.145	1.000-1.425
13C-2,3,4,7,8-PeCDF	13C-1,2,3,4-TCDD	1.179	1.011-1.526
37Cl-2,3,7,8-TCDD	13C-1,2,3,4-TCDD	1.022	0.989-1.052

Analyst: DB

Date: 10/10/19

FORM 6B
PCDD/PCDF RELATIVE RETENTION TIMES

Lab Name: Vista Analytical Laboratory Episode No.:

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191009D1 S#8 Analysis Date: 9-OCT-19 Time: 21:46:34

NATIVE ANALYTES	RETENTION TIME	RRT	RRT
	REFERENCE		QC LIMITS (1)
1,2,3,4,7,8-HxCDF	13C-1,2,3,4,7,8-HxCDF	1.000	0.999-1.001
1,2,3,6,7,8-HxCDF	13C-1,2,3,6,7,8-HxCDF	1.000	0.997-1.005
2,3,4,6,7,8-HxCDF	13C-2,3,4,6,7,8-HxCDF	1.000	0.999-1.001
1,2,3,7,8,9-HxCDF	13C-1,2,3,7,8,9-HxCDF	1.001	0.999-1.001
1,2,3,4,7,8-HxCDD	13C-1,2,3,4,7,8-HxCDD	1.001	0.999-1.001
1,2,3,6,7,8-HxCDD	13C-1,2,3,6,7,8-HxCDD	1.000	0.998-1.004
1,2,3,7,8,9-HxCDD	13C-1,2,3,7,8,9-HxCDD	1.001	0.998-1.004
1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,7,8-HpCDF	1.000	0.999-1.001
1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,7,8-HpCDD	1.000	0.999-1.001
1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,7,8,9-HpCDF	1.000	0.999-1.001
OCDD	13C-OCDD	1.000	0.999-1.001
OCDF	13C-OCDF	1.000	0.999-1.001

LABELED COMPOUNDS

13C-1,2,3,4,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.987	0.975-1.001
13C-1,2,3,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	0.991	0.979-1.005
13C-2,3,4,6,7,8-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.010	1.001-1.020
13C-1,2,3,7,8,9-HxCDF	13C-1,2,3,4,6,9-HxCDF	1.040	1.002-1.072
13C-1,2,3,4,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.014	1.002-1.026
13C-1,2,3,6,7,8-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.018	1.007-1.029
13C-1,2,3,7,8,9-HxCDD	13C-1,2,3,4,6,9-HxCDF	1.027	1.014-1.038
13C-1,2,3,4,6,7,8-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.093	1.069-1.111
13C-1,2,3,4,7,8,9-HpCDF	13C-1,2,3,4,6,9-HxCDF	1.145	1.098-1.192
13C-1,2,3,4,6,7,8-HpCDD	13C-1,2,3,4,6,9-HxCDF	1.127	1.117-1.141
13C-OCDD	13C-1,2,3,4,6,9-HxCDF	1.227	1.085-1.365
13C-OCDF	13C-1,2,3,4,6,9-HxCDF	1.235	1.091-1.371

Analyst: DB

Date: 10/10/19

Client ID: 1613 SSS 19C2207
Lab ID: SS191009D1-1

Filename: 191009D1 S:8 Acq: 9-OCT-19 21:46:34
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

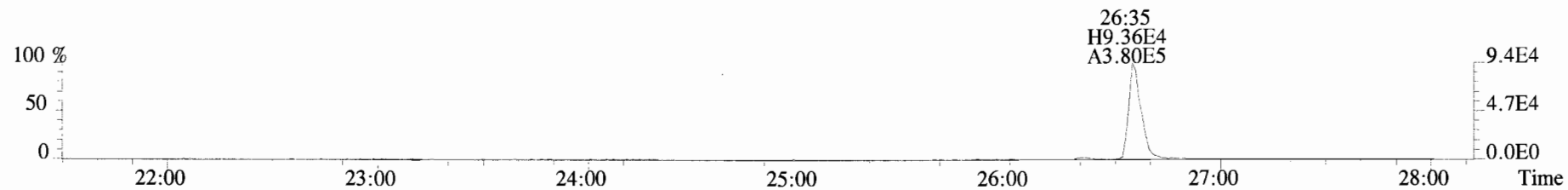
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EndCAL: NA

Page 1 of 1

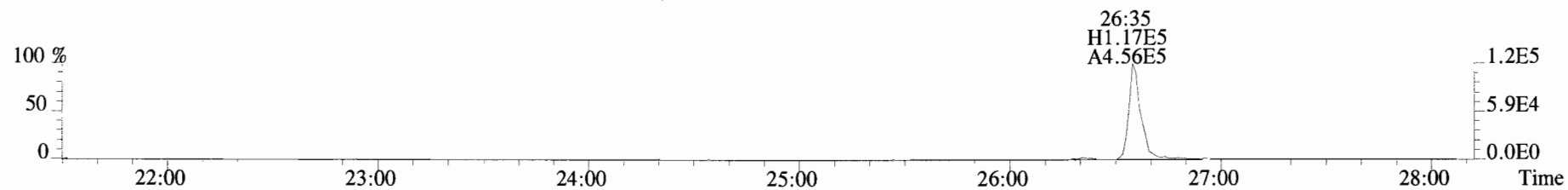
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	8.36e+05	0.83 y	0.91	26:36	10.234		* 2.5		*	Total Tetra-Dioxins	10.4	11.4		*	*
1,2,3,7,8-PeCDD	3.38e+06	0.63 y	0.90	30:57	51.323		* 2.5		*	Total Penta-Dioxins	51.4	51.7		*	*
1,2,3,4,7,8-HxCDD	2.55e+06	1.31 y	1.10	34:18	48.909		* 2.5		*	Total Hexa-Dioxins	153	153		*	*
1,2,3,6,7,8-HxCDD	3.09e+06	1.18 y	0.94	34:24	52.378		* 2.5		*	Total Hepta-Dioxins	53.5	54.4		*	*
1,2,3,7,8,9-HxCDD	2.83e+06	1.17 y	0.96	34:44	50.434		* 2.5		*	Total Tetra-Furans	10.7	11.4		*	*
1,2,3,4,6,7,8-HpCDD	2.34e+06	1.02 y	0.98	38:07	51.915		* 2.5		*	Total Penta-Furans	110.38	111.73		*	*
OCDD	4.27e+06	0.92 y	0.96	41:30	105.37		* 2.5		*	Total Hexa-Furans	205	207		*	*
										Total Hepta-Furans	104	106		*	*
2,3,7,8-TCDF	1.24e+06	0.78 y	0.95	25:53	10.342		* 2.5		*						
1,2,3,7,8-PeCDF	5.03e+06	1.54 y	0.96	29:48	50.200		* 2.5		*						
2,3,4,7,8-PeCDF	5.90e+06	1.60 y	1.01	30:42	56.719		* 2.5		*						
1,2,3,4,7,8-HxCDF	3.94e+06	1.22 y	1.18	33:23	51.086		* 2.5		*						
1,2,3,6,7,8-HxCDF	4.44e+06	1.23 y	1.07	33:31	51.491		* 2.5		*						
2,3,4,6,7,8-HxCDF	4.08e+06	1.20 y	1.11	34:08	51.474		* 2.5		*						
1,2,3,7,8,9-HxCDF	3.40e+06	1.24 y	1.06	35:10	50.903		* 2.5		*						
1,2,3,4,6,7,8-HpCDF	3.36e+06	1.05 y	1.13	36:58	53.010		* 2.5		*						
1,2,3,4,7,8,9-HpCDF	2.94e+06	1.05 y	1.28	38:42	50.216		* 2.5		*						
OCDF	5.04e+06	0.92 y	0.95	41:45	102.23		* 2.5		*						
IS	13C-2,3,7,8-TCDD	9.02e+06	0.72 y	1.10	26:35	100.49				Rec	Qual				
IS	13C-1,2,3,7,8-PeCDD	7.29e+06	0.64 y	0.88	30:56	100.87				100					
IS	13C-1,2,3,4,7,8-HxCDD	4.73e+06	1.23 y	0.64	34:16	95.948				101					
IS	13C-1,2,3,6,7,8-HxCDD	6.28e+06	1.25 y	0.86	34:24	95.558				95.9					
IS	13C-1,2,3,7,8,9-HxCDD	5.85e+06	1.26 y	0.81	34:43	94.306				95.6					
IS	13C-1,2,3,4,6,7,8-HpCDD	4.61e+06	1.06 y	0.65	38:06	91.680				94.3					
IS	13C-OCDD	8.45e+06	0.92 y	0.58	41:29	189.68				91.7					
IS	13C-2,3,7,8-TCDF	1.26e+07	0.78 y	1.03	25:52	97.199				94.8					
IS	13C-1,2,3,7,8-PeCDF	1.04e+07	1.62 y	0.85	29:48	97.425				97.2					
IS	13C-2,3,4,7,8-PeCDF	1.03e+07	1.59 y	0.85	30:41	96.649				97.4					
IS	13C-1,2,3,4,7,8-HxCDF	6.55e+06	0.51 y	0.83	33:22	102.43				96.6					
IS	13C-1,2,3,6,7,8-HxCDF	8.06e+06	0.51 y	1.03	33:30	101.42				102					
IS	13C-2,3,4,6,7,8-HxCDF	7.11e+06	0.51 y	0.95	34:08	97.073				101					
IS	13C-1,2,3,7,8,9-HxCDF	6.30e+06	0.51 y	0.83	35:09	98.999				97.1					
IS	13C-1,2,3,4,6,7,8-HpCDF	5.62e+06	0.43 y	0.76	36:57	96.588				99.0					
IS	13C-1,2,3,4,7,8,9-HpCDF	4.58e+06	0.44 y	0.58	38:42	102.46				96.6					
IS	13C-OCDF	1.04e+07	0.88 y	0.69	41:44	196.65				102					
C/Up	37Cl-2,3,7,8-TCDD	8.91e+05		1.20	26:36	9.0817				98.3					
RS/RT	13C-1,2,3,4-TCDD	8.20e+06	0.76 y	1.00	26:01	100.00				90.8					
RS	13C-1,2,3,4-TCDF	1.25e+07	0.82 y	1.00	24:42	100.00									
RS/RT	13C-1,2,3,4,6,9-HxCDF	7.68e+06	0.50 y	1.00	33:48	100.00									

Integrations
by DB
Analyst: DB
Reviewed
by CT
Analyst: CT
Date: 10/10/19
Date: 10/10/19

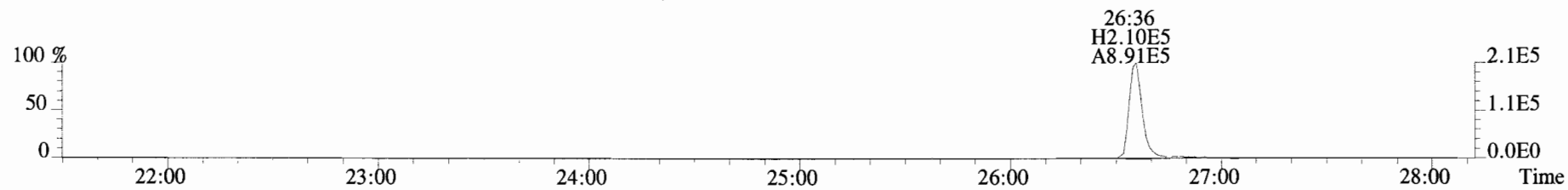
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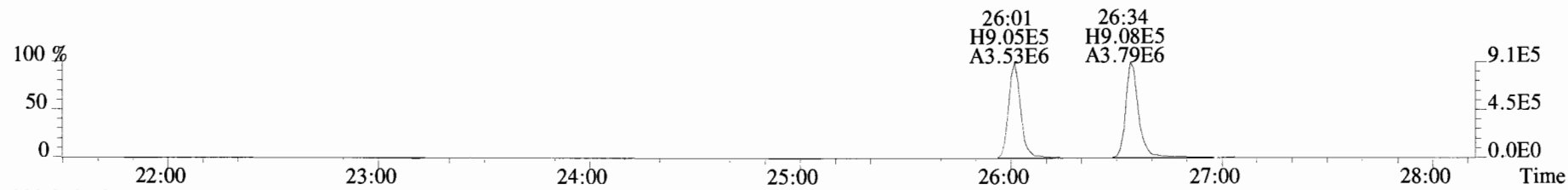
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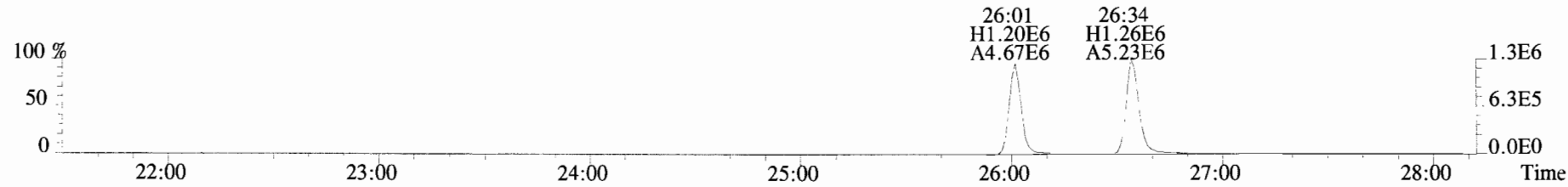
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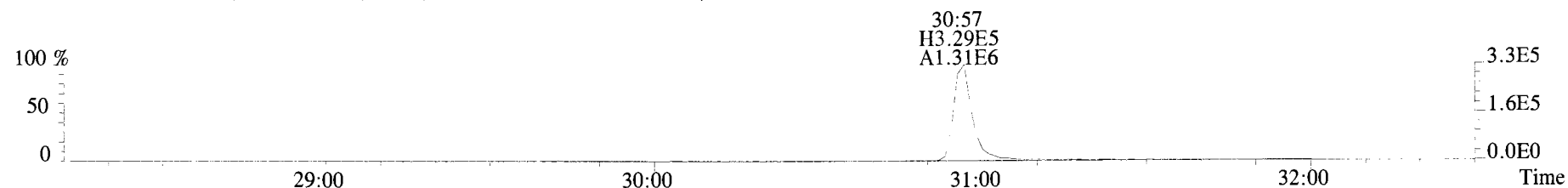
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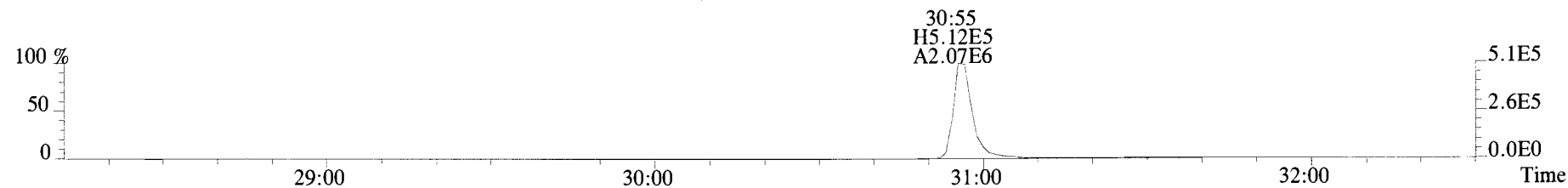
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



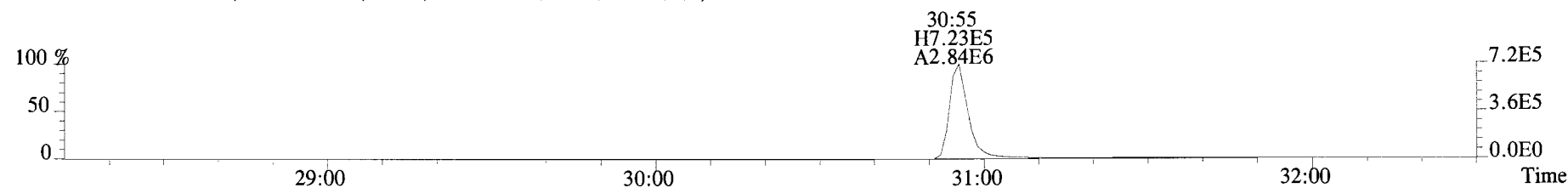
File:191009D1 #1-210 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text: Vista Analytical Laboratory VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
353.8576 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



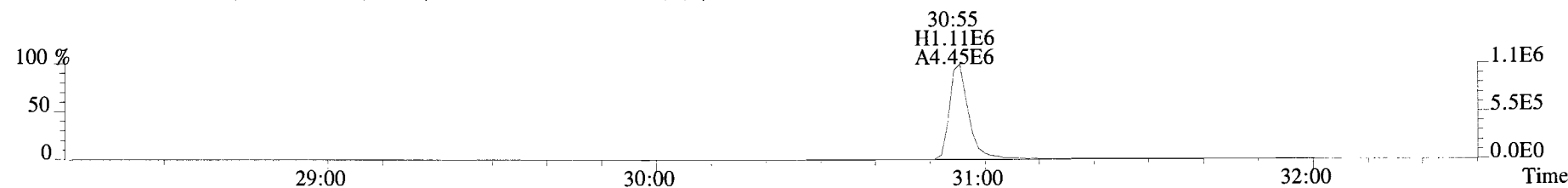
355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



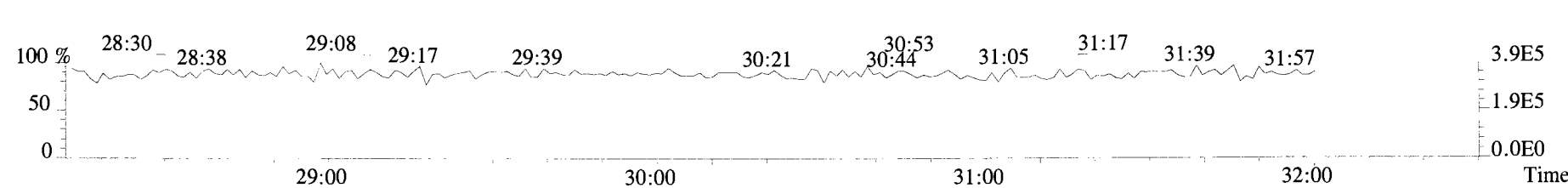
365.8978 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



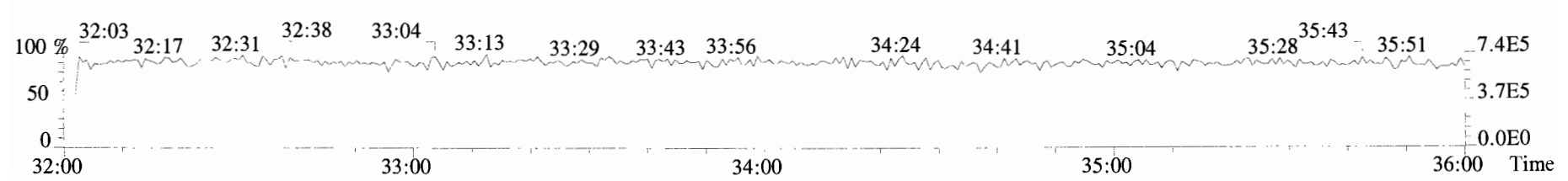
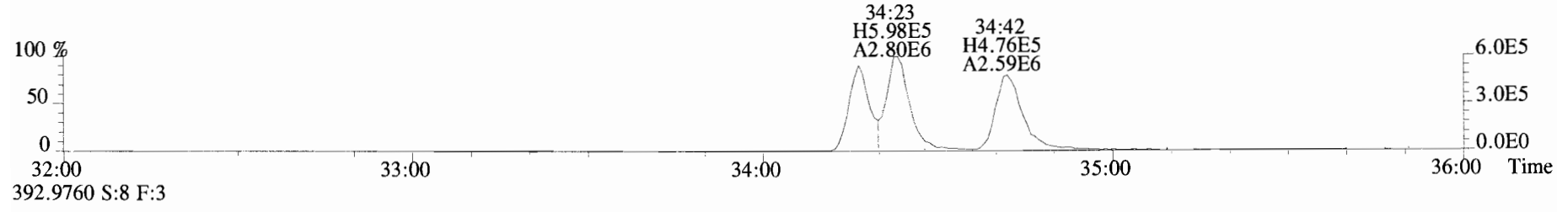
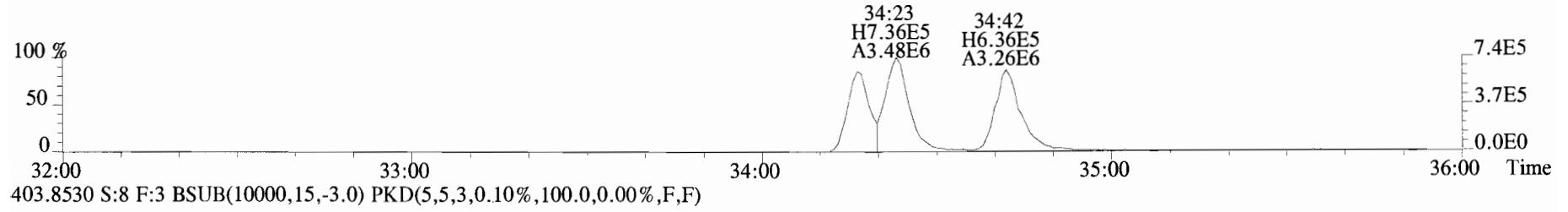
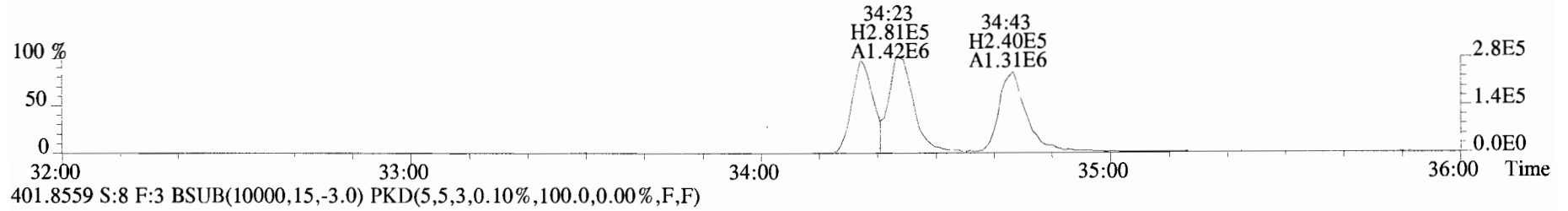
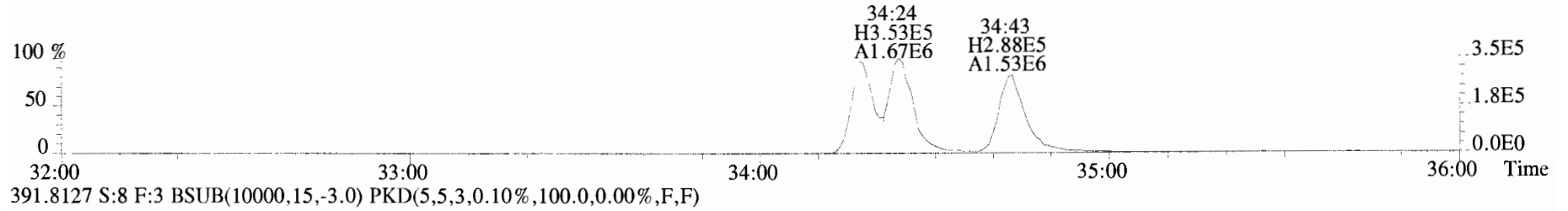
367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



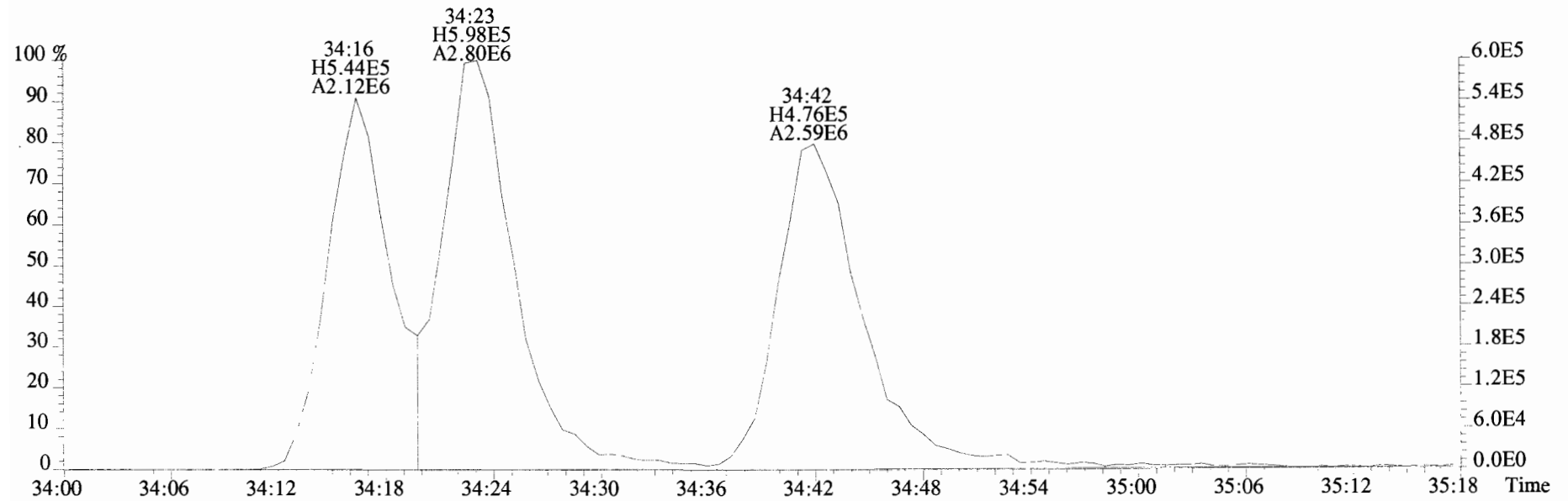
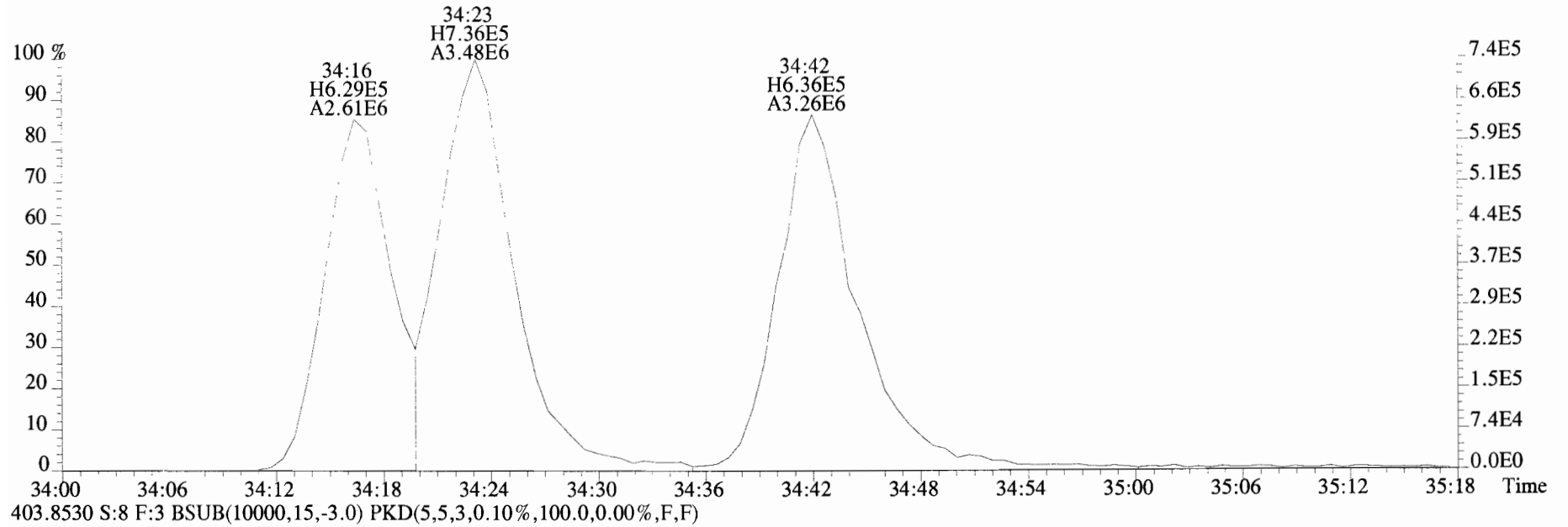
366.9792 S:8 F:2



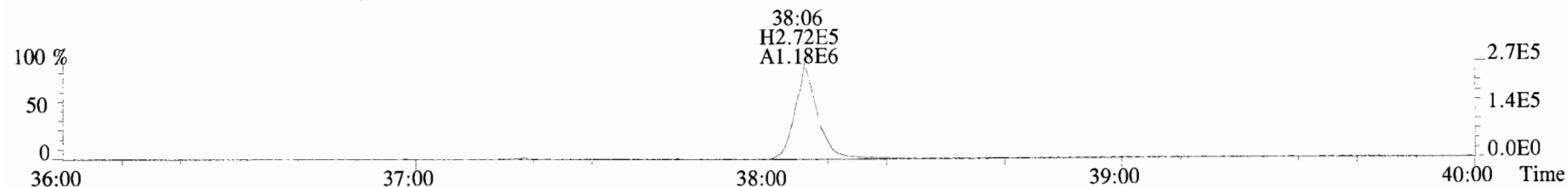
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



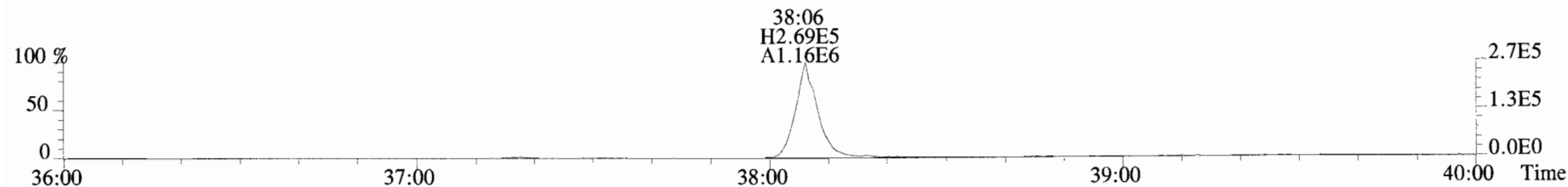
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



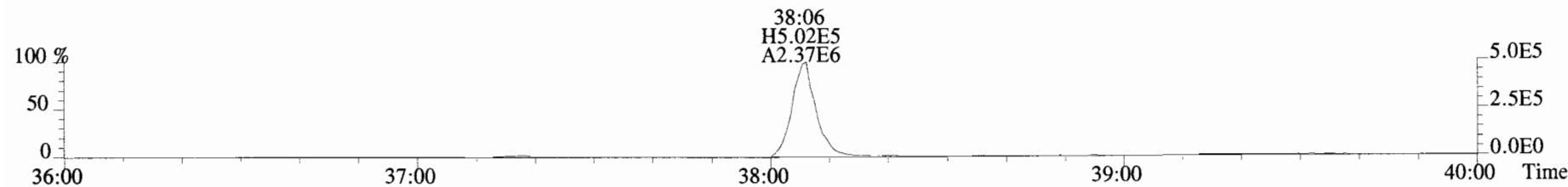
File:191009D1 #1-356 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



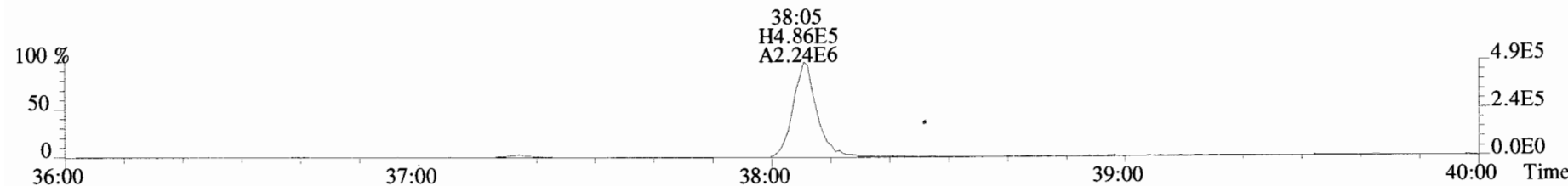
425.7737 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



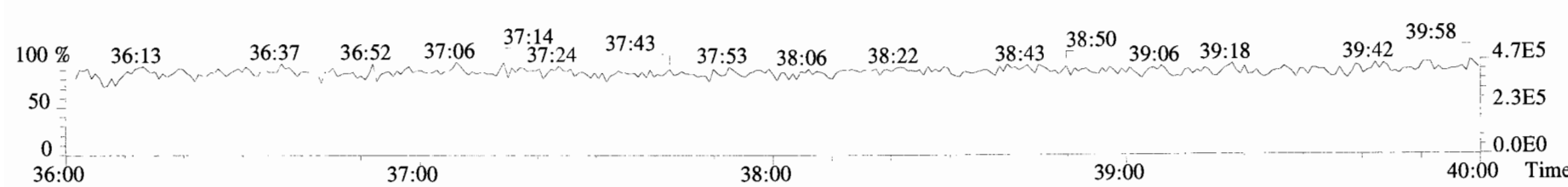
435.8169 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



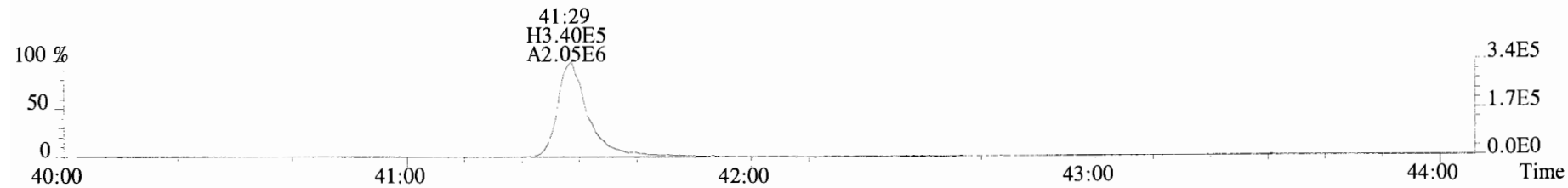
437.8140 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



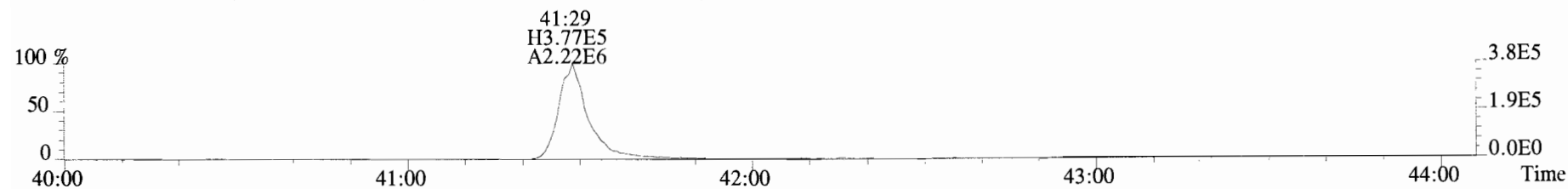
454.9728 S:8 F:4



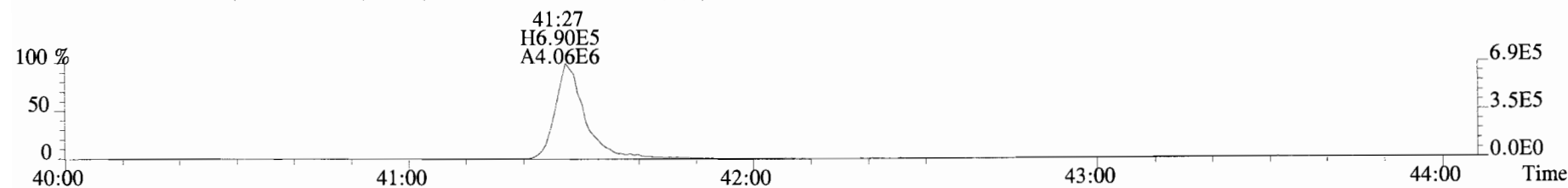
File:191009D1 #1-431 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



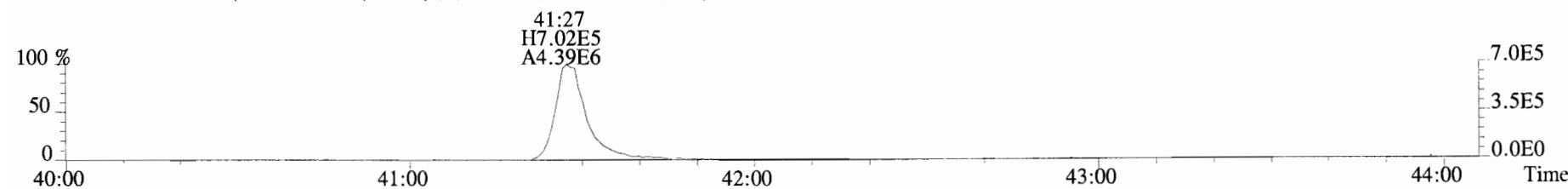
459.7348 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



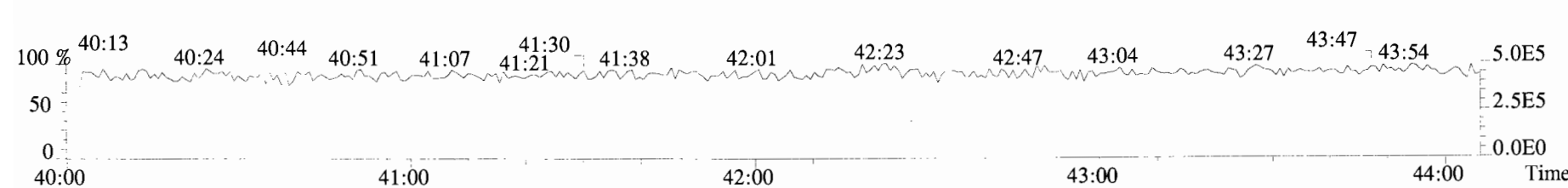
469.7780 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



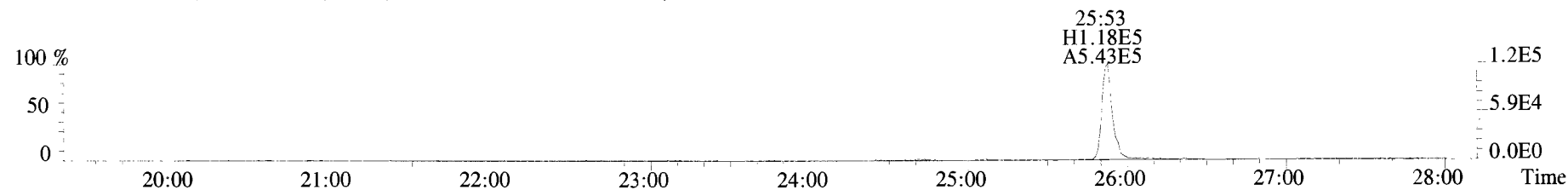
471.7750 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



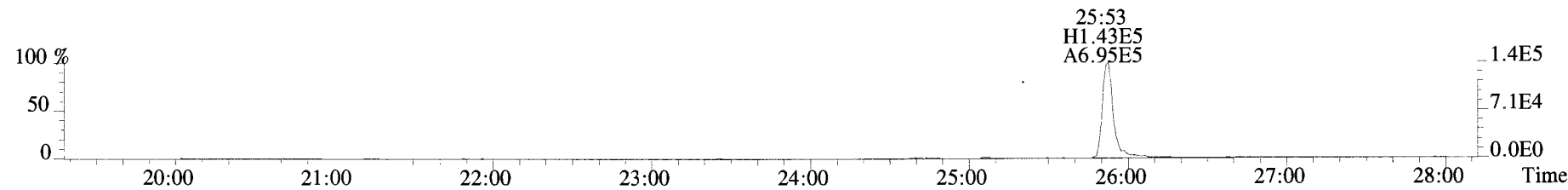
454.9728 S:8 F:5



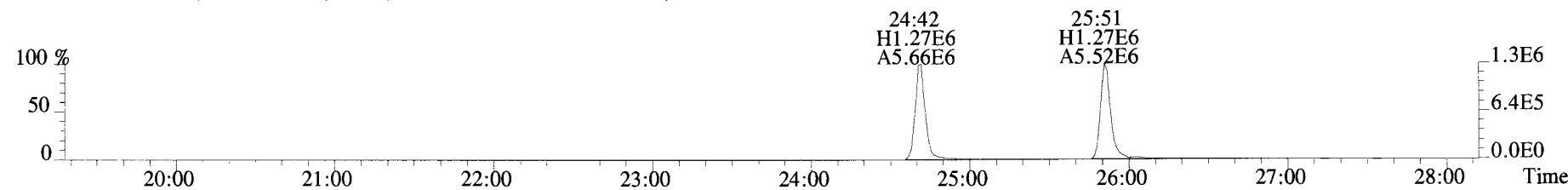
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



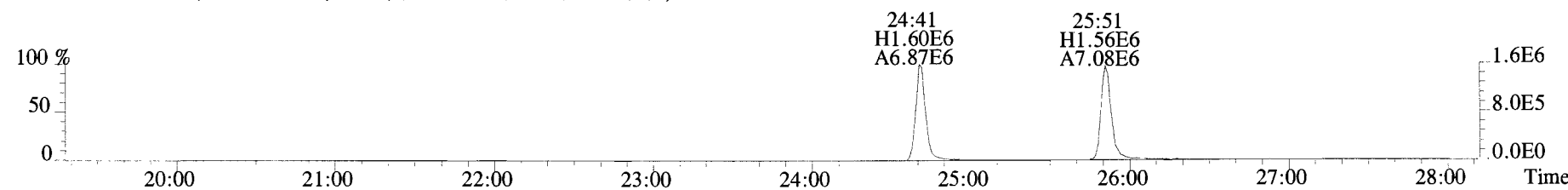
305.8987 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



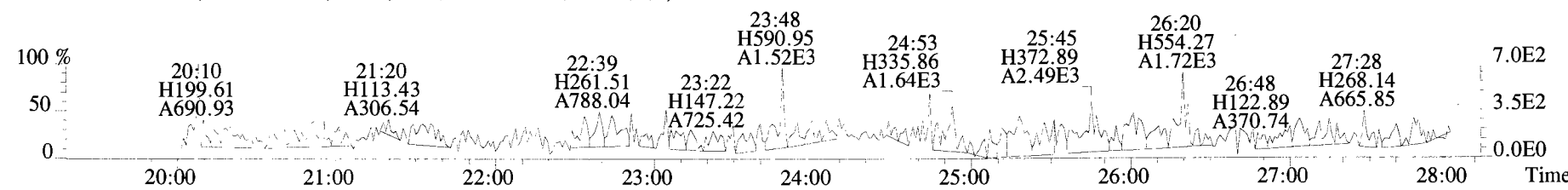
315.9419 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



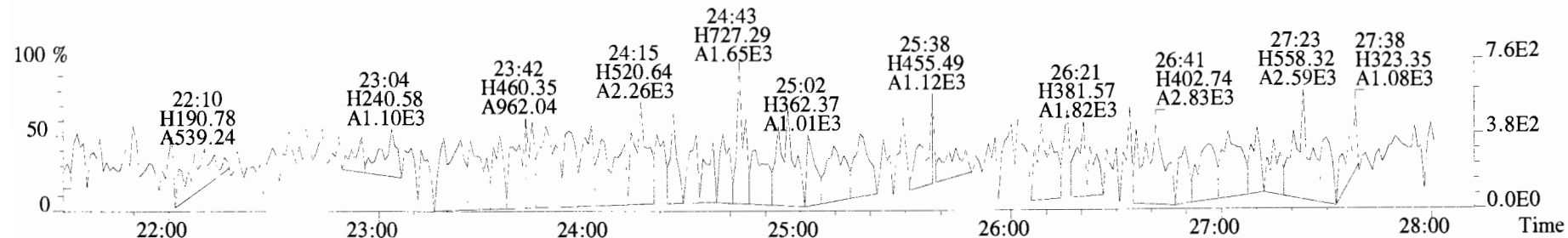
317.9389 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



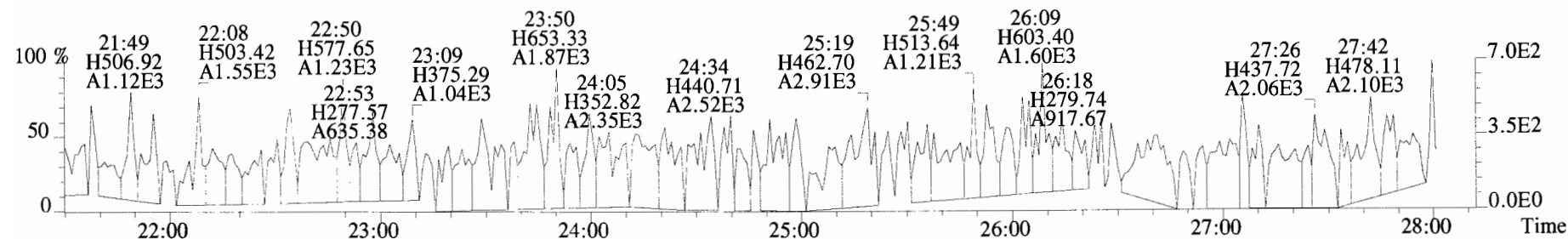
375.8364 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



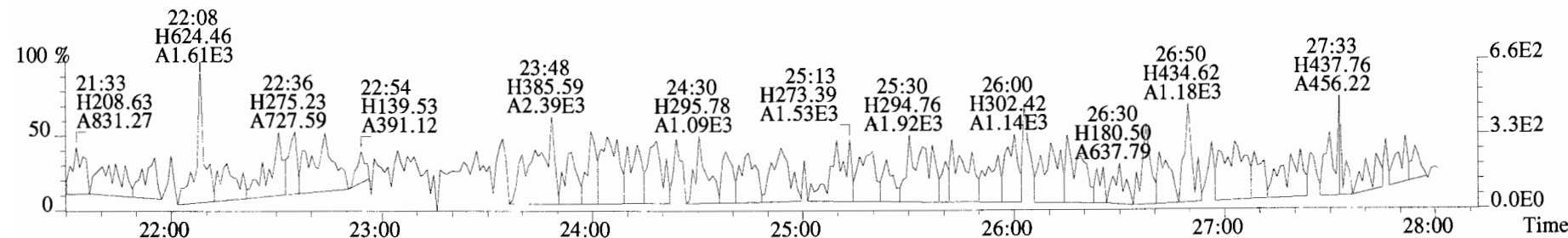
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



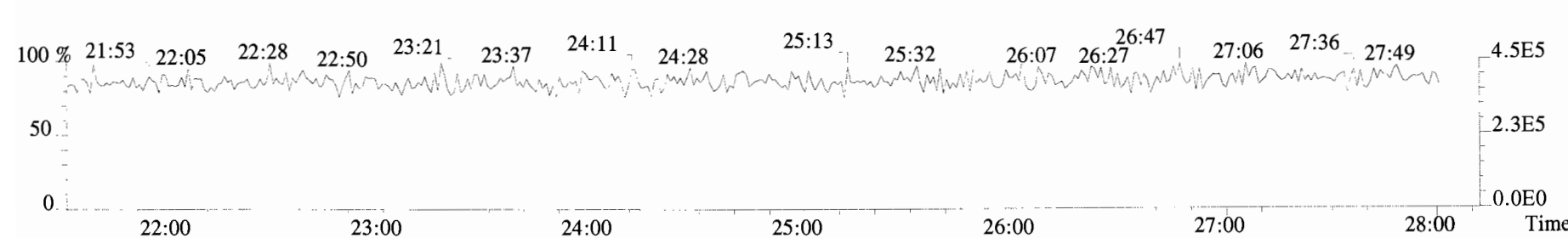
341.8568 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



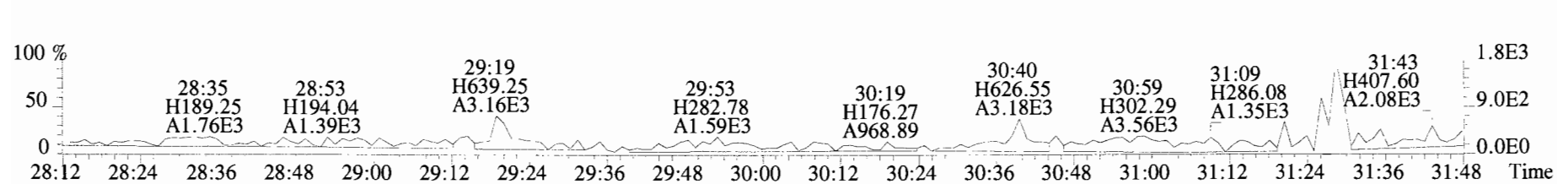
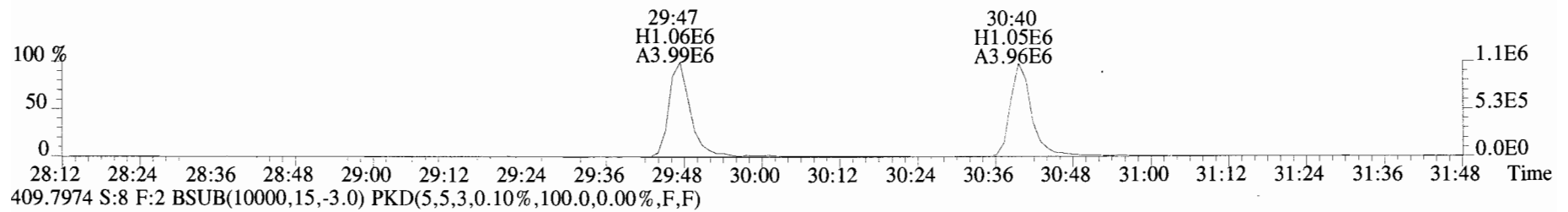
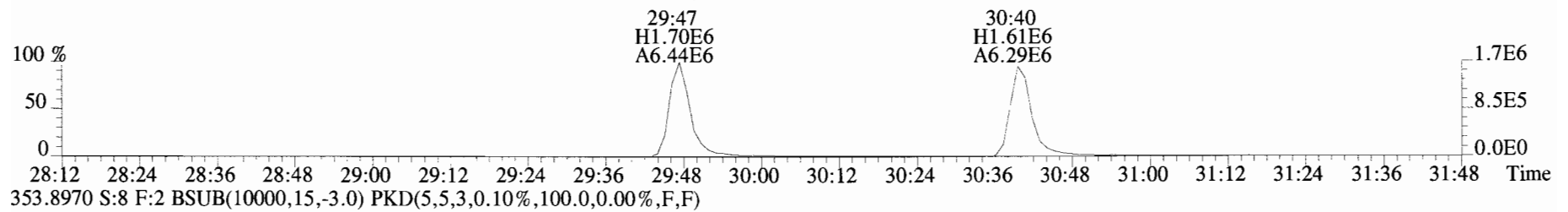
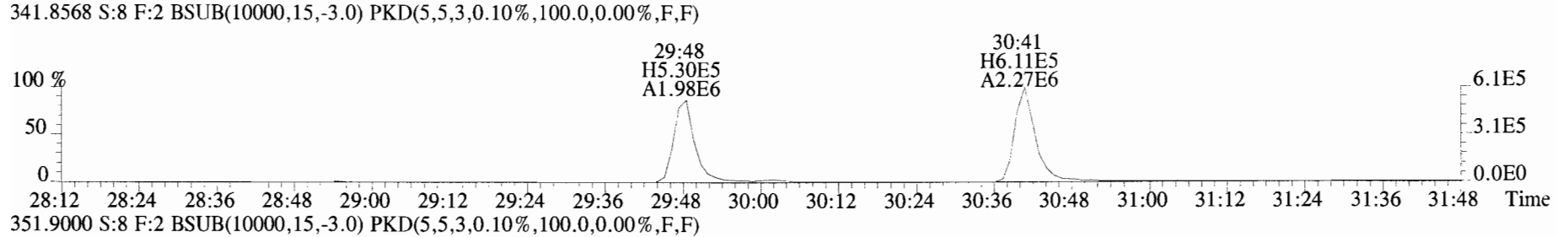
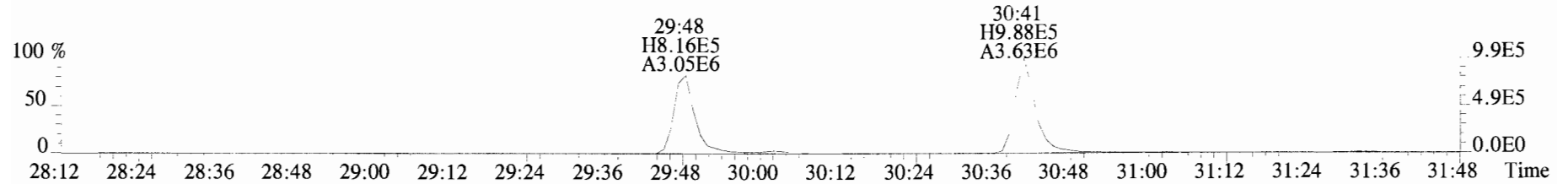
409.7974 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



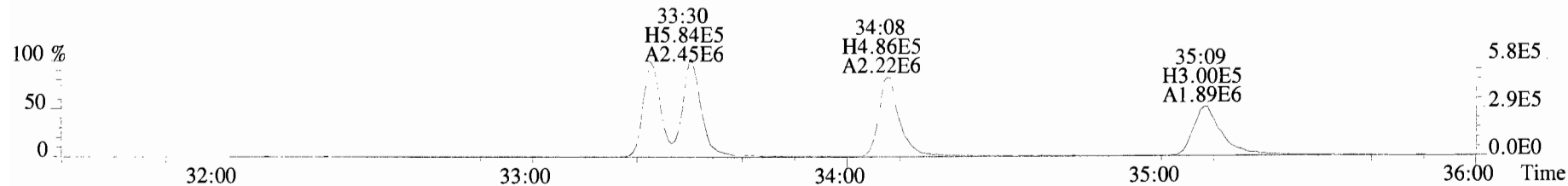
316.9824 S:8



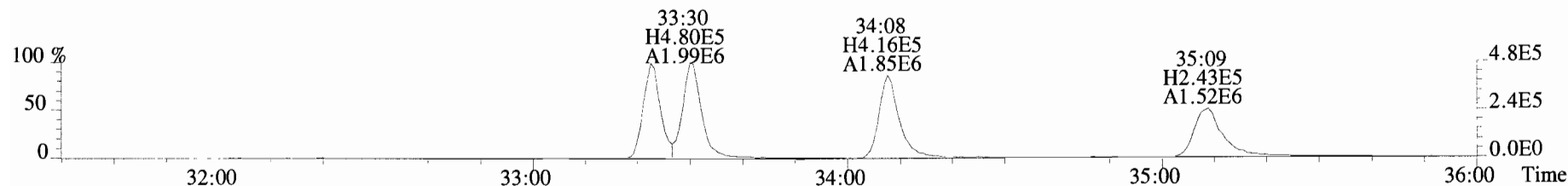
File:191009D1 #1-210 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



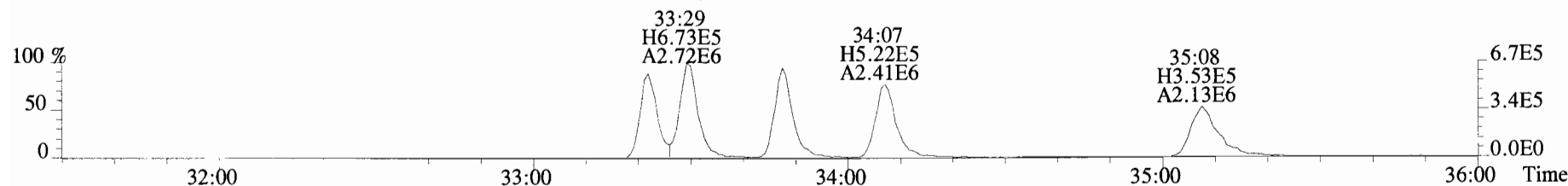
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



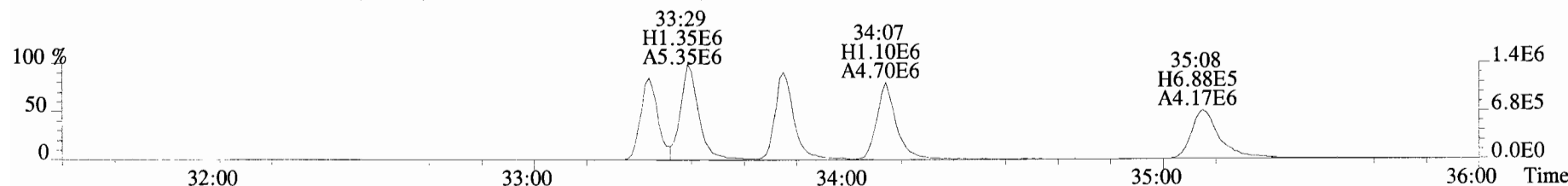
375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



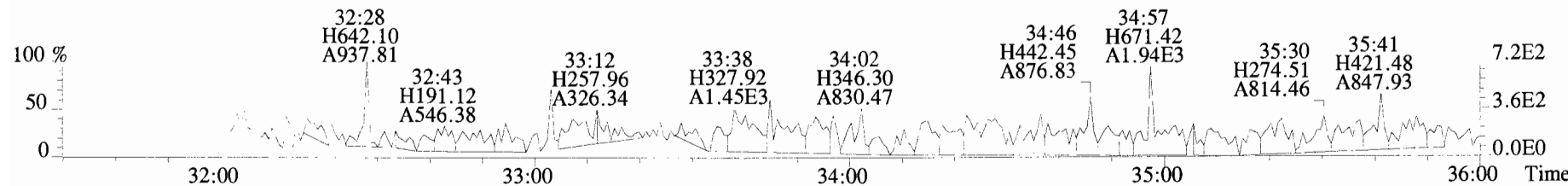
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



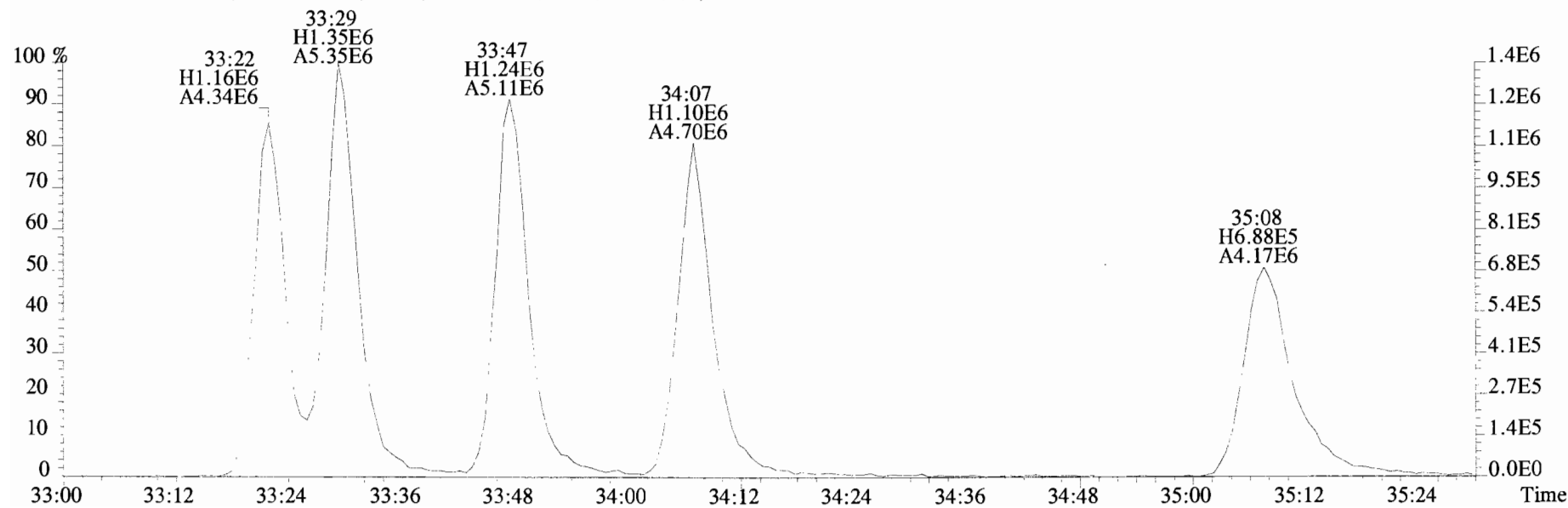
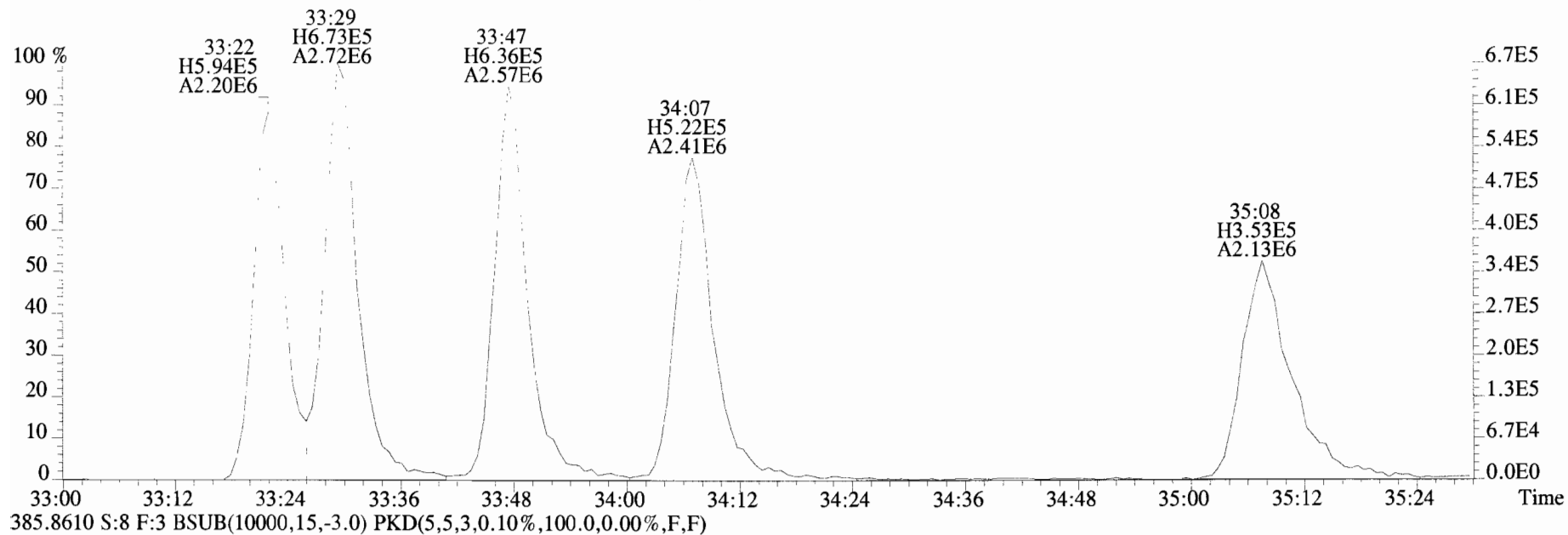
385.8610 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



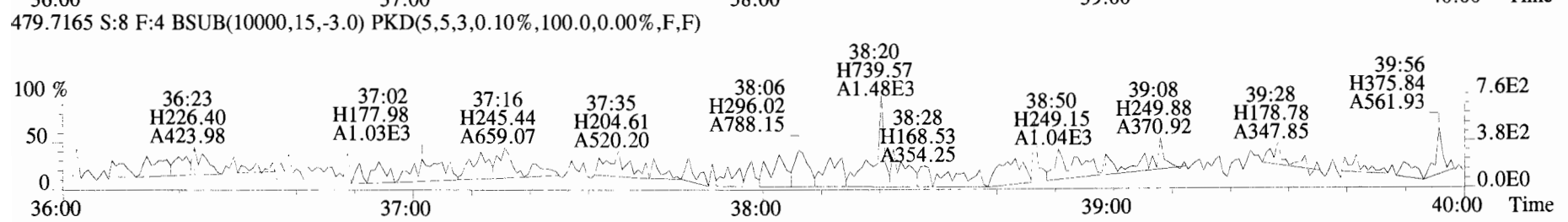
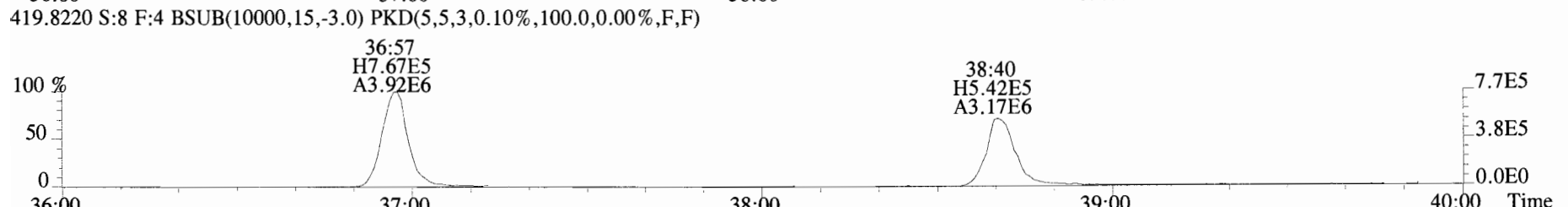
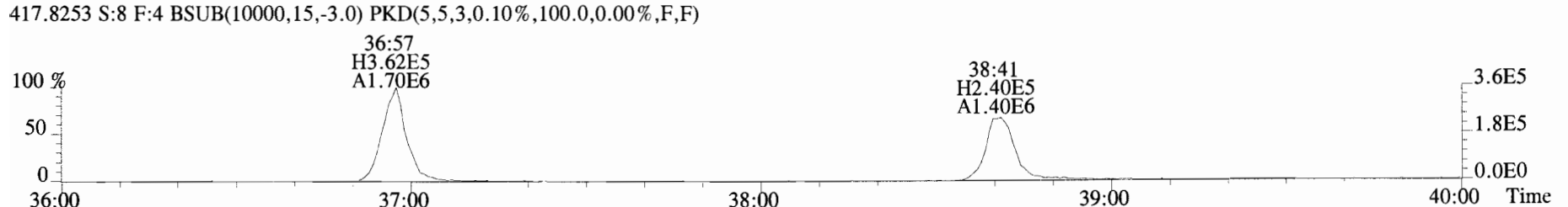
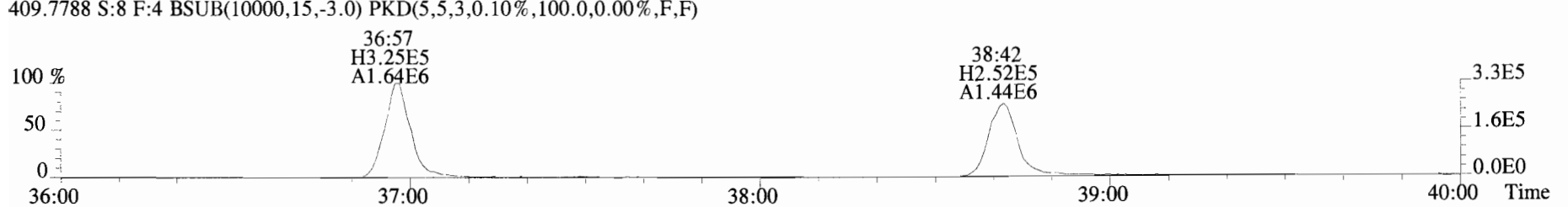
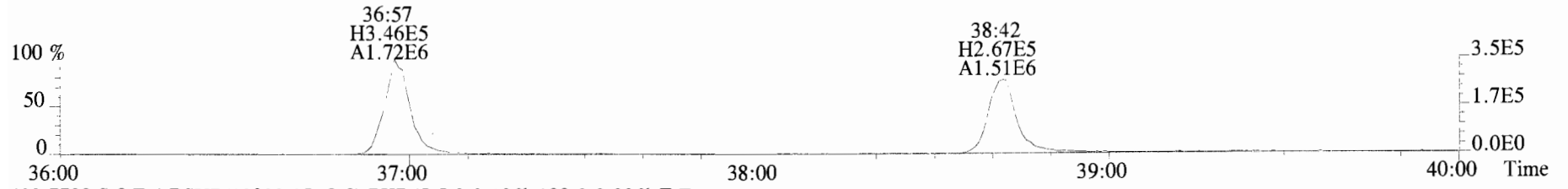
445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



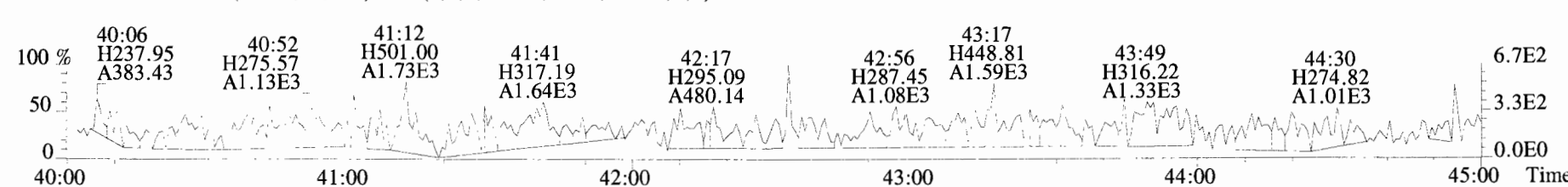
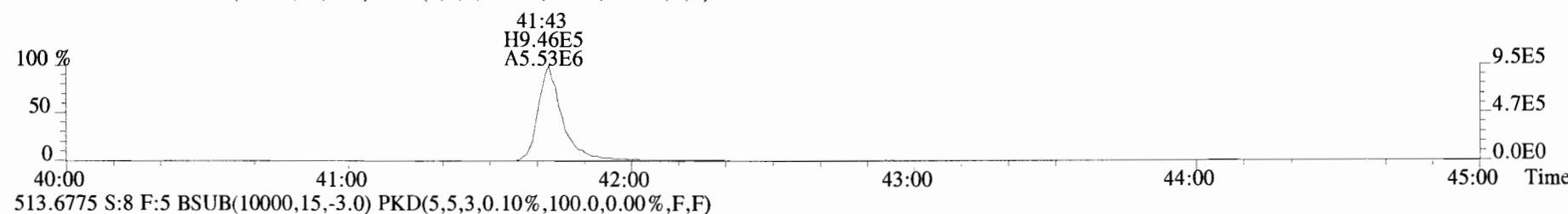
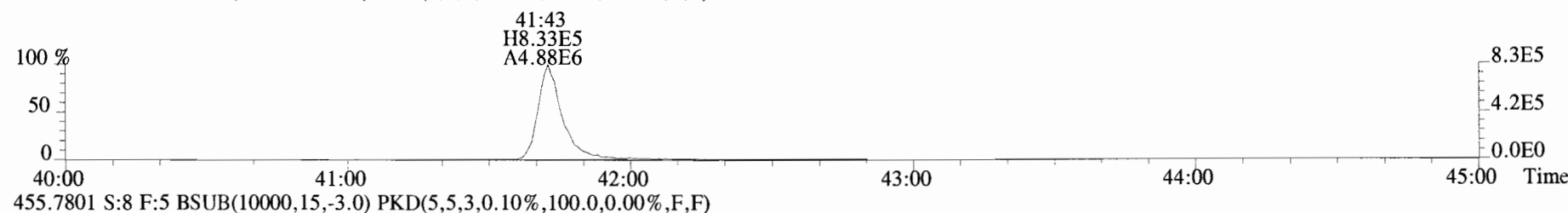
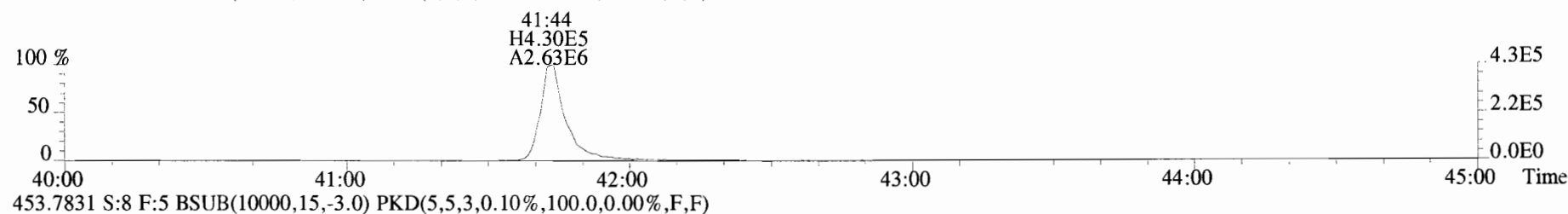
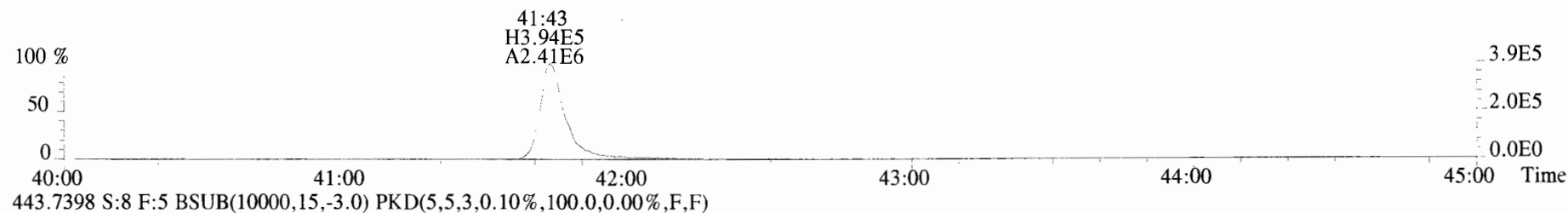
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-356 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:191009D1 #1-431 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Initial Calibration RRF Summary (ICAL)

Vista Analytical Laboratory

Run: Analyte: TCDF

Cal: 1613TCDFVG7-5-30-19

Inst. ID. VG-7

Data filename: 190530D1

Samp# 3	Samp# 4	Samp# 5	Samp# 6	Samp# 7	Samp# 8
100	100	100	100	100	100

Name	Mean RRF	%RSD	RRF#1	RRF#2	RRF#3	RRF#4	RRF#5	RRF#6
13C-1,2,3,4-TCDF	1.0000	0.00 %	1.00	1.00	1.00	1.00	1.00	1.00
13C-2,3,7,8-TCDF	1.0212	4.27 %	1.07	1.04	1.03	1.05	0.98	0.96
2,3,7,8-TCDF	0.9476	9.58 %	1.12	0.93	0.88	0.87	0.97	0.92

DB CT
5/30/19 05/31/19

Filename: 190530D1 S: 3 Acquired: 30-MAY-19 12:05:38
Run: Analyte: TCDF Cal: 1613TCDFVG7-5-30-19Results:
Sample text: ST190530D1-1 1613 CS0 19C2201

Name	Amount	Resp	RA	RT	RF	RRF
13C-1,2,3,4-TCDF	100	1.38e+07	0.80 y	15:49	-	1.00
13C-2,3,7,8-TCDF	100	1.47e+07	0.81 y	18:05	-	1.07
2,3,7,8-TCDF	0.250	4.11e+04	0.87 y	18:06	-	1.12

DB
5/30/19

Filename: 190530D1 S: 4 Acquired: 30-MAY-19 12:37:29
Run: Analyte: TCDF Cal: 1613TCDFVG7-5-30-19Results:
Sample text: ST190530D1-2 1613 CS1 19C2202

Name	Amount	Resp	RA	RT	RF	RRF
13C-1,2,3,4-TCDF	100	1.24e+07	0.82 y	15:49	-	1.00
13C-2,3,7,8-TCDF	100	1.30e+07	0.78 y	18:05	-	1.04
2,3,7,8-TCDF	0.500	6.06e+04	0.67 y	18:05	-	0.93

DB
5/30/19

Filename: 190530D1 S: 5 Acquired: 30-MAY-19 13:09:20
Run: Analyte: TCDF Cal: 1613TCDFVG7-5-30-19Results:
Sample text: ST190530D1-3 1613 CS2 19C2203

Name	Amount	Resp	RA	RT	RF	RRF
13C-1,2,3,4-TCDF	100	1.21e+07	0.82 y	15:48	-	1.00
13C-2,3,7,8-TCDF	100	1.24e+07	0.80 y	18:04	-	1.03
2,3,7,8-TCDF	2.00	2.18e+05	0.74 y	18:05	-	0.88

DB
5/30/19

Filename: 190530D1 S: 6 Acquired: 30-MAY-19 13:41:11
Run: Analyte: TCDF Cal: 1613TCDFVG7-5-30-19Results:
Sample text: ST190530D1-4 1613 CS3 19C2204

Name	Amount	Resp	RA	RT	RF	RRF
13C-1,2,3,4-TCDF	100	1.28e+07	0.81 y	15:49	-	1.00
13C-2,3,7,8-TCDF	100	1.34e+07	0.80 y	18:05	-	1.05
2,3,7,8-TCDF	10.0	1.17e+06	0.73 y	18:06	-	0.87

DB
5/30/19

Filename: 190530D1 S: 7 Acquired: 30-MAY-19 14:13:01
Run: Analyte: TCDF Cal: 1613TCDFVG7-5-30-19Results:
Sample text: ST190530D1-5 1613 CS4 19C2205

Name	Amount	Resp	RA	RT	RF	RRF
13C-1,2,3,4-TCDF	100	1.30e+07	0.81 y	15:49	-	1.00
13C-2,3,7,8-TCDF	100	1.28e+07	0.80 y	18:05	-	0.98
2,3,7,8-TCDF	40.0	4.95e+06	0.77 y	18:06	-	0.97

DB
5/30/19

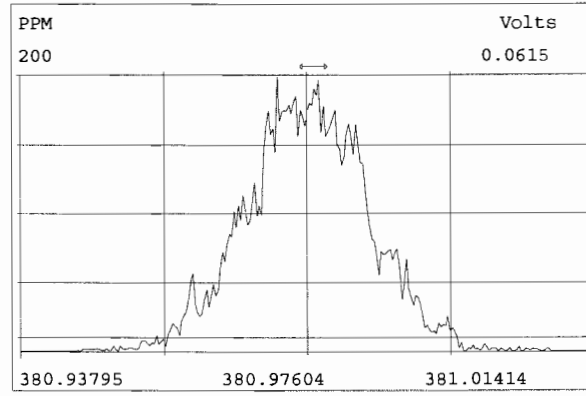
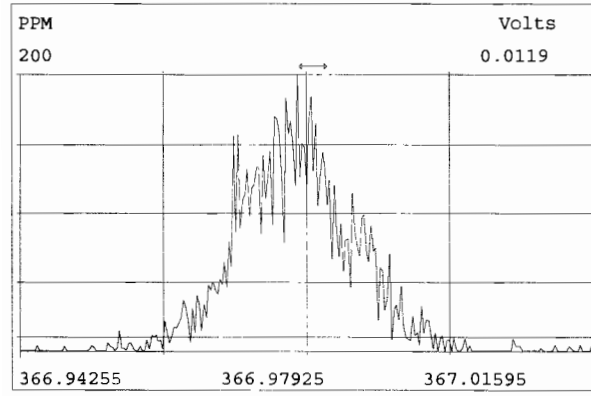
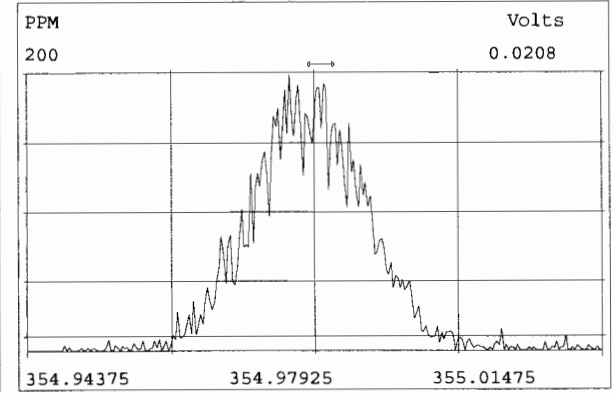
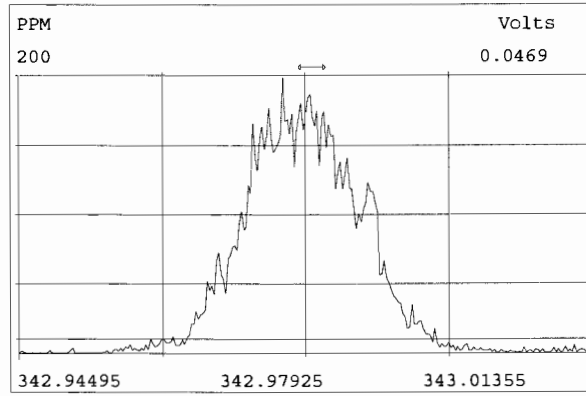
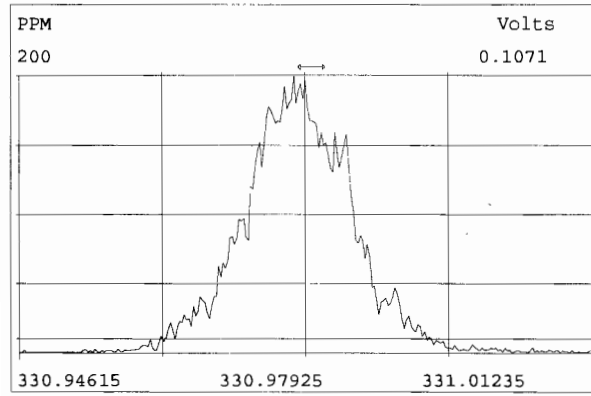
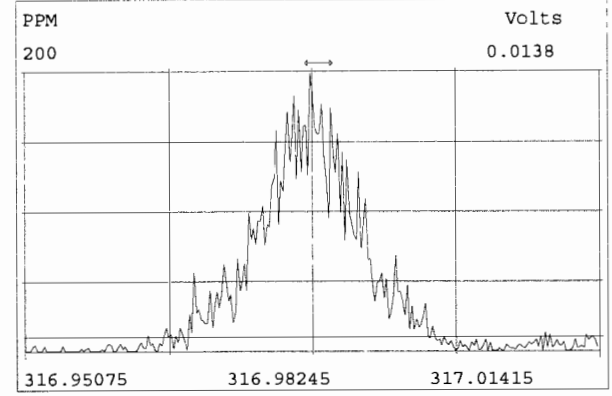
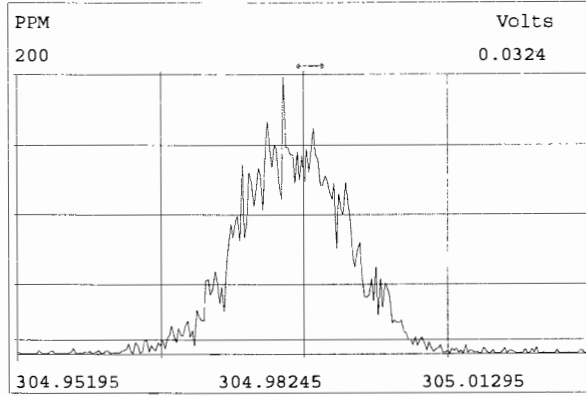
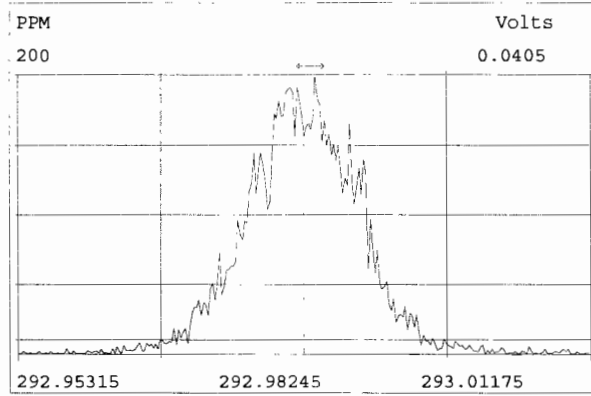
Filename: 190530D1 S: 8 Acquired: 30-MAY-19 14:44:52
Run: Analyte: TCDF Cal: 1613TCDFVG7-5-30-19Results:
Sample text: ST190530D1-6 1613 CS5 19C2206

Name	Amount	Resp	RA	RT	RF	RRF
13C-1,2,3,4-TCDF	100	1.29e+07	0.80 y	15:48	-	1.00
13C-2,3,7,8-TCDF	100	1.24e+07	0.80 y	18:05	-	0.96
2,3,7,8-TCDF	300	3.42e+07	0.74 y	18:06	-	0.92

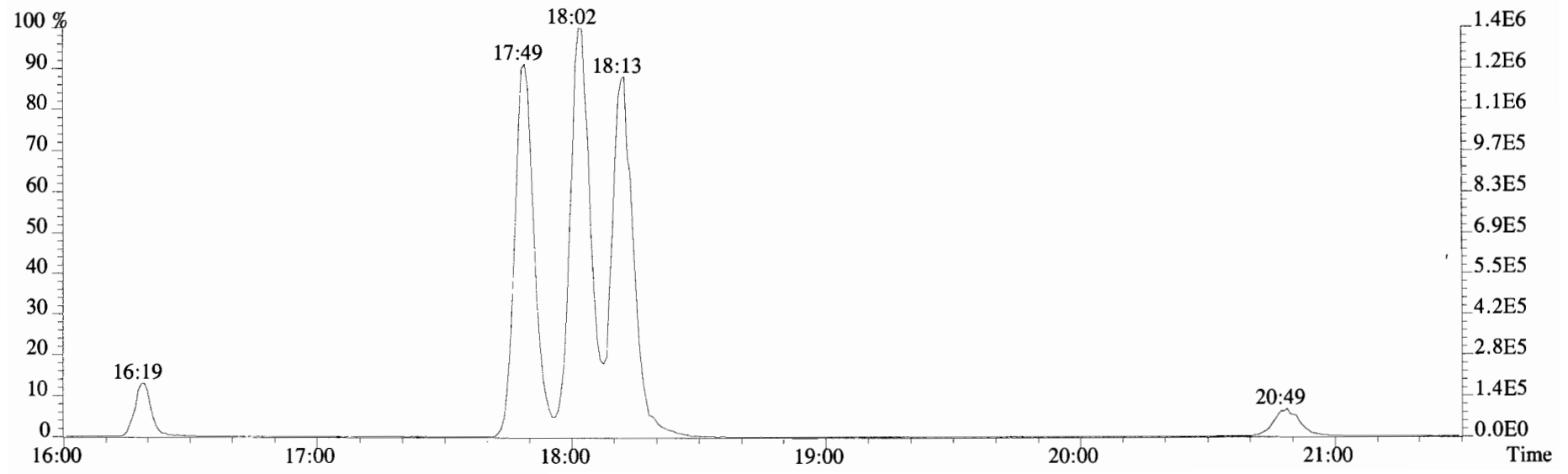
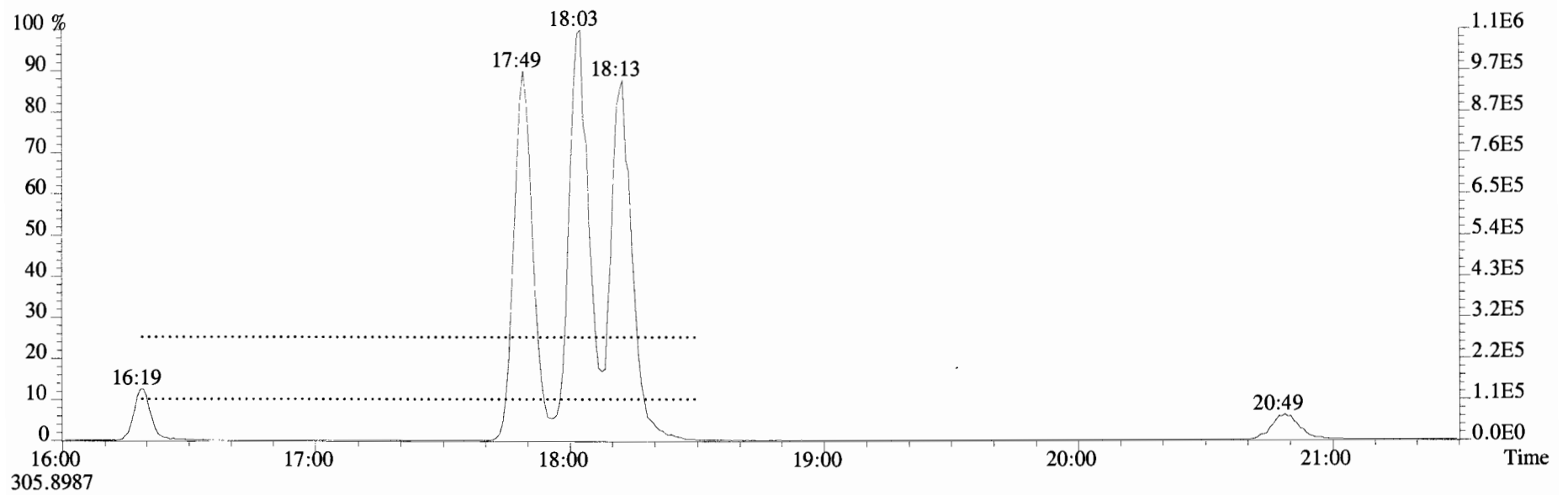
DB
5/30/19

Vista Analytical Laboratory - Injection Log Run file: 190530D1 Instrument ID: VG-7 GC Column ID: DB-225

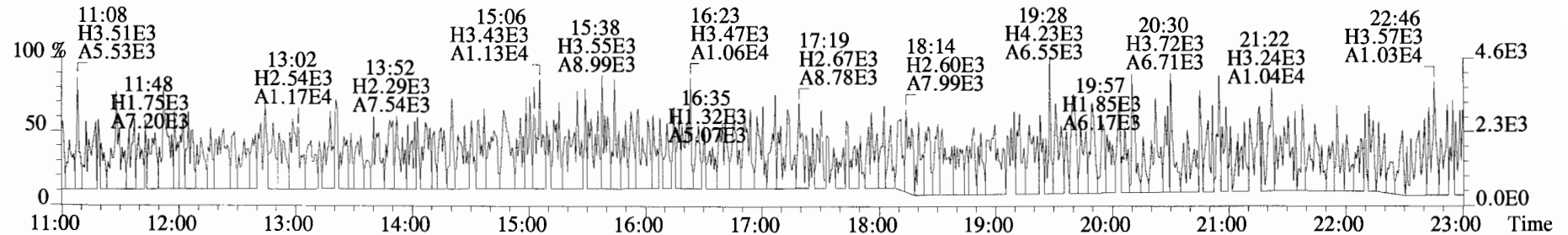
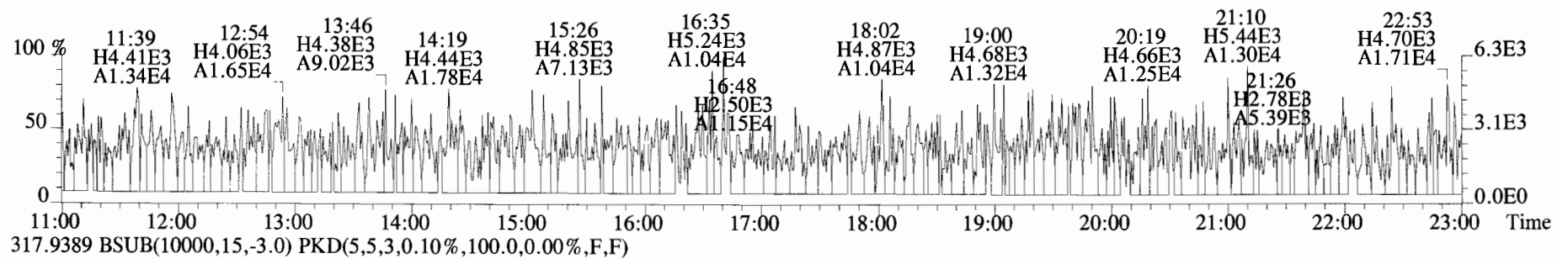
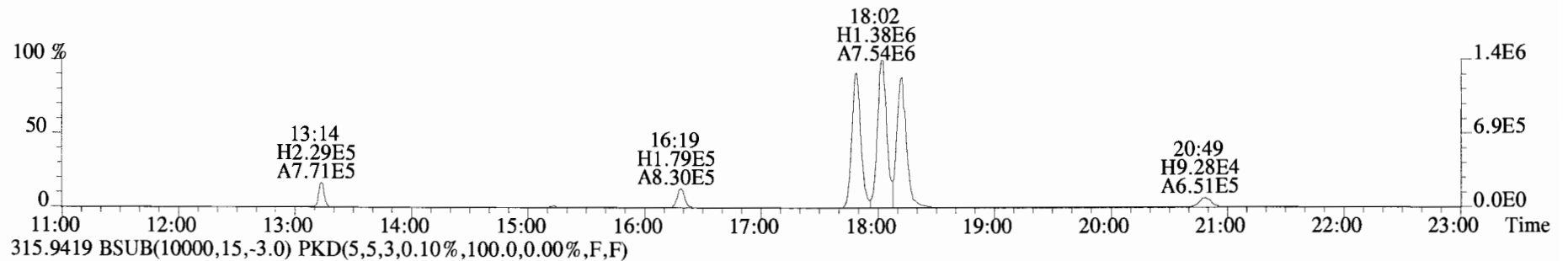
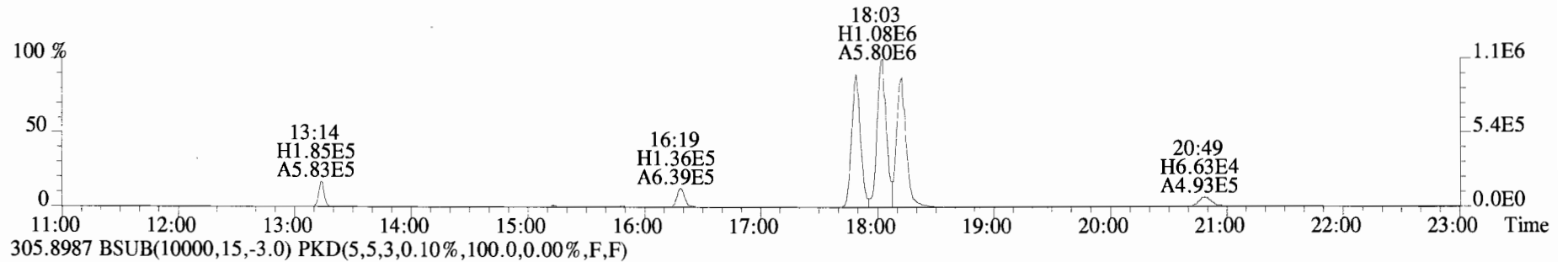
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
190530D1	1	CP190530D1-1	DB	30-MAY-19	11:02:08	ST190530D1-4	NA
190530D1	2	SOLVENT BLANK	DB	30-MAY-19	11:33:52	ST190530D1-4	NA
190530D1	3	ST190530D1-1	DB	30-MAY-19	12:05:38	ST190530D1-4	NA
190530D1	4	ST190530D1-2	DB	30-MAY-19	12:37:29	ST190530D1-4	NA
190530D1	5	ST190530D1-3	DB	30-MAY-19	13:09:20	ST190530D1-4	NA
190530D1	6	ST190530D1-4	DB	30-MAY-19	13:41:11	ST190530D1-4	NA
190530D1	7	ST190530D1-5	DB	30-MAY-19	14:13:01	ST190530D1-4	NA
190530D1	8	ST190530D1-6	DB	30-MAY-19	14:44:52	ST190530D1-4	NA
190530D1	9	SOLVENT BLANK	DB	30-MAY-19	15:16:42	ST190530D1-4	NA
190530D1	10	SS190528D1-1	DB	30-MAY-19	15:48:32	ST190530D1-4	NA
190530D1	11	SOLVENT BLANK	DB	30-MAY-19	16:20:23	ST190530D1-4	NA
190530D1	12	1901028-05RE1	DB	30-MAY-19	16:52:12	ST190530D1-4	NA
190530D1	13	1901028-07RE1	DB	30-MAY-19	17:24:02	ST190530D1-4	NA
190530D1	14	1901028-08RE1	DB	30-MAY-19	17:55:52	ST190530D1-4	NA
190530D1	15	1901028-09RE1	DB	30-MAY-19	18:27:41	ST190530D1-4	NA



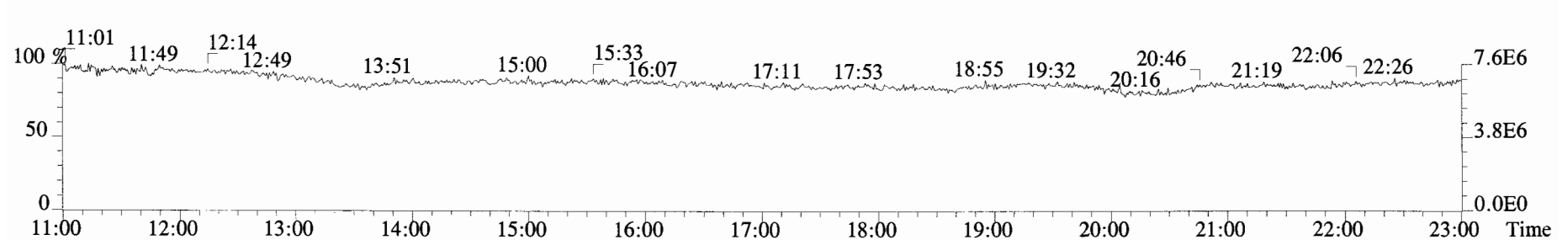
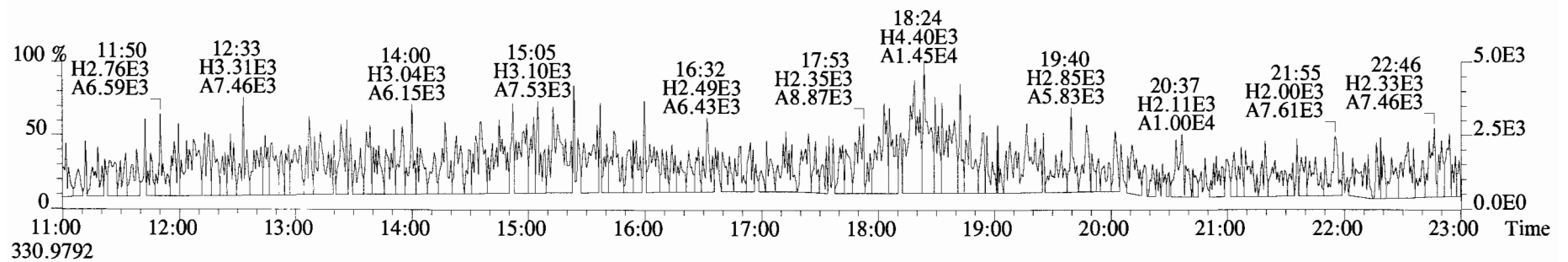
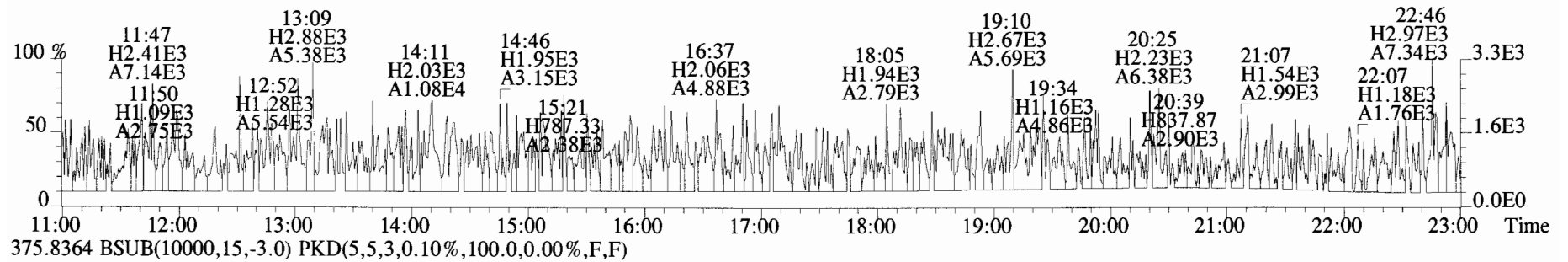
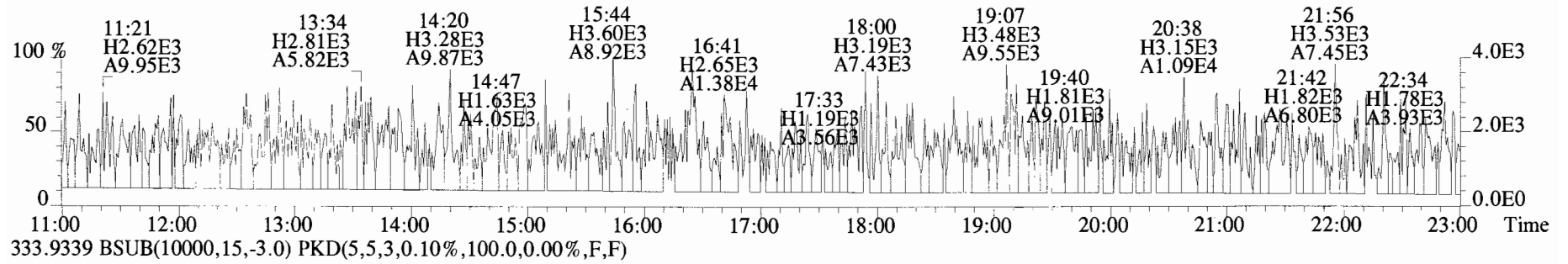
File:190530D1 #1-1559 Acq:30-MAY-2019 11:02:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:CP190530D1-1 DB225 CPSM Exp:TCDF_DB225
303.9016



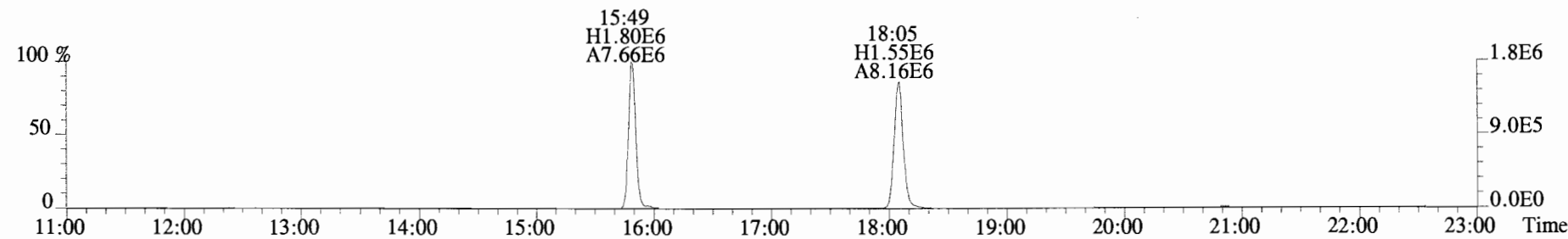
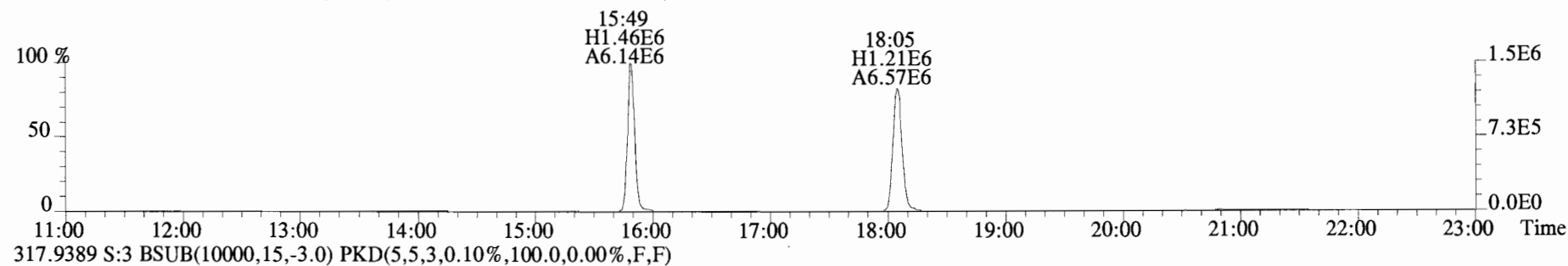
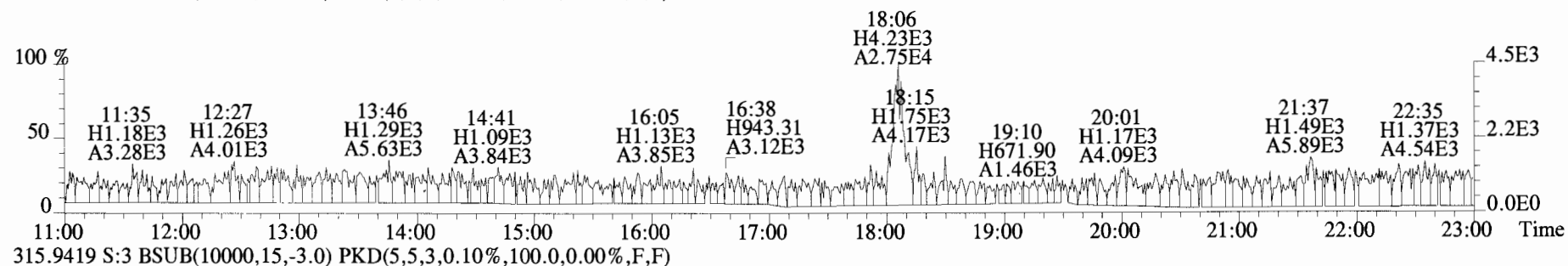
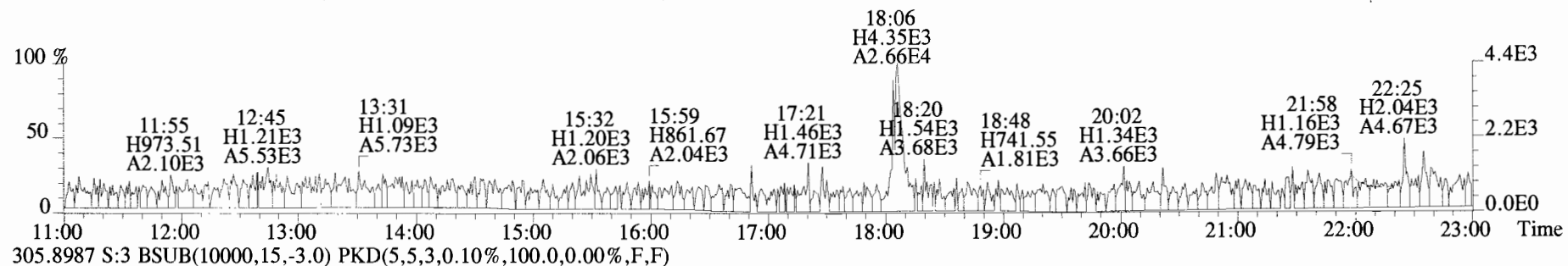
File:190530D1 #1-1682 Acq:30-MAY-2019 11:02:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:CP190530D1-1 DB225 CPSM Exp:TCDF_DB225
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



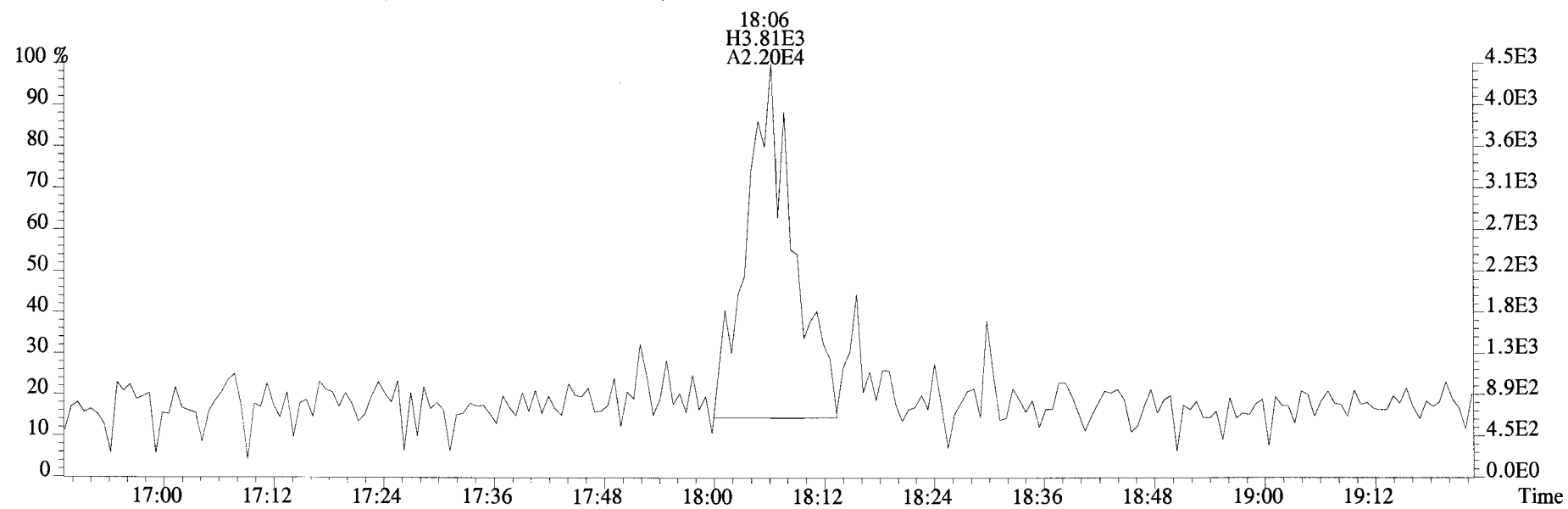
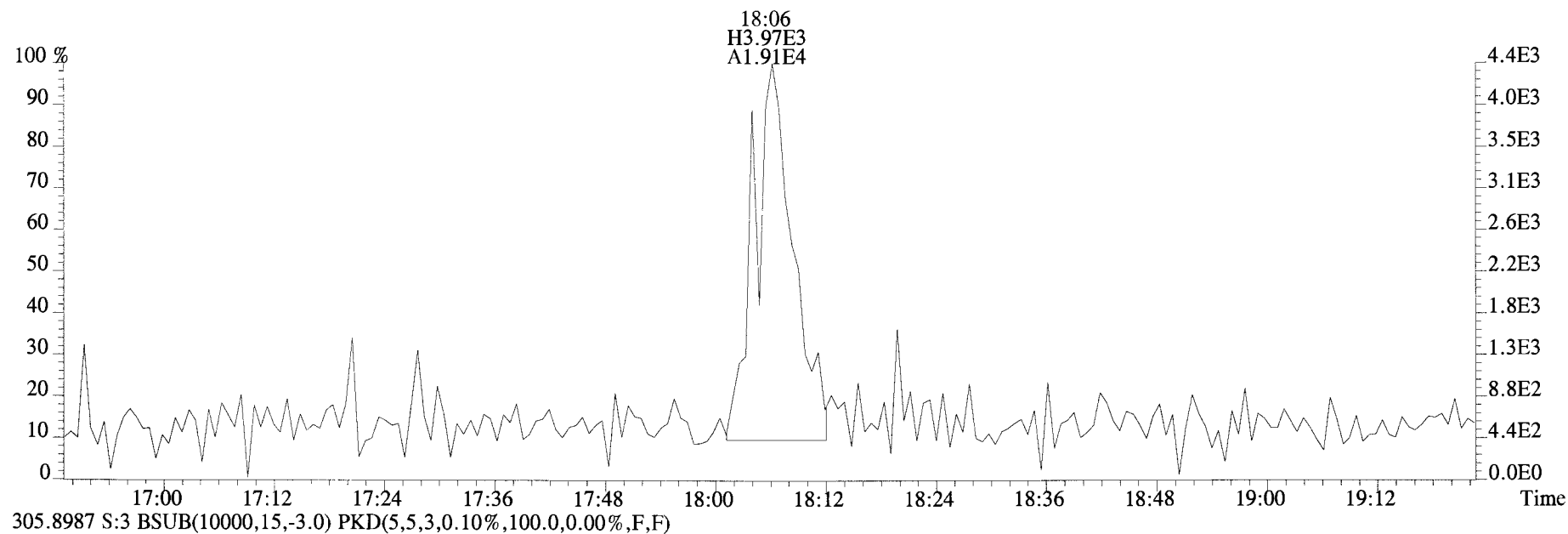
File:190530D1 #1-1682 Acq:30-MAY-2019 11:02:08 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:CP190530D1-1 DB225 CPSM Exp:TCDF_DB225
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



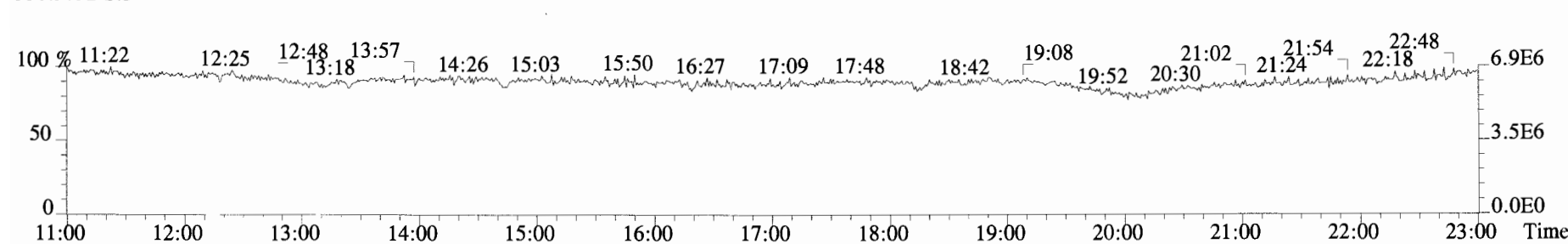
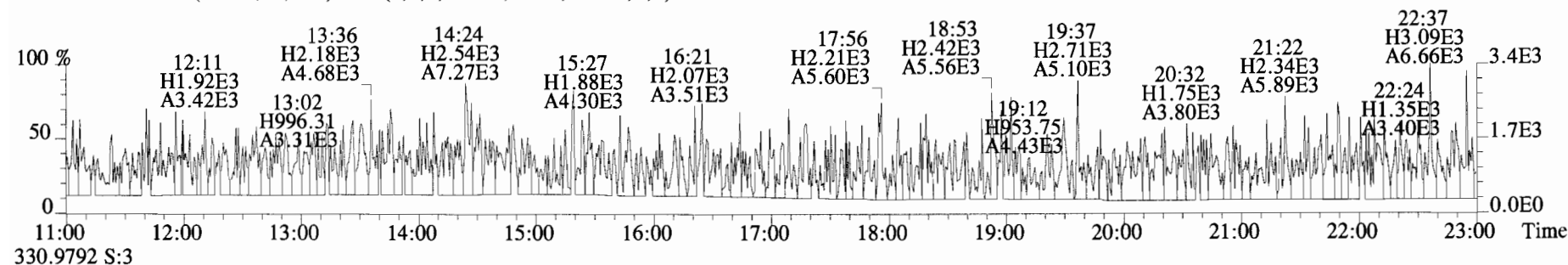
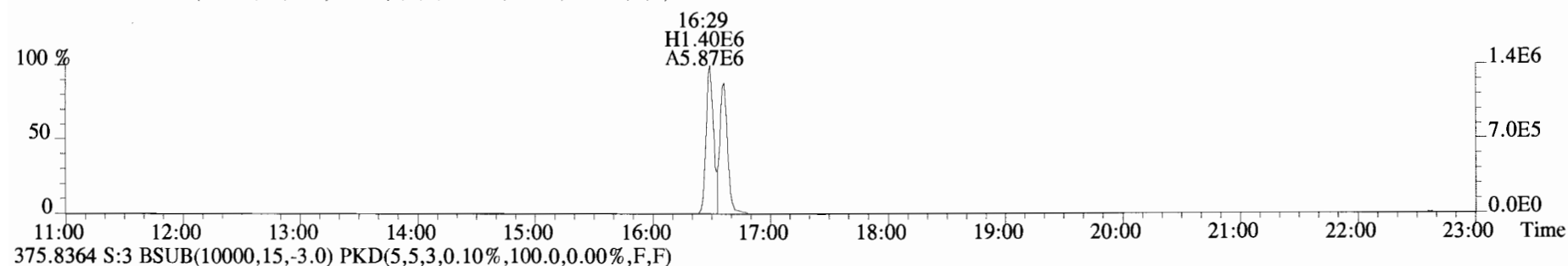
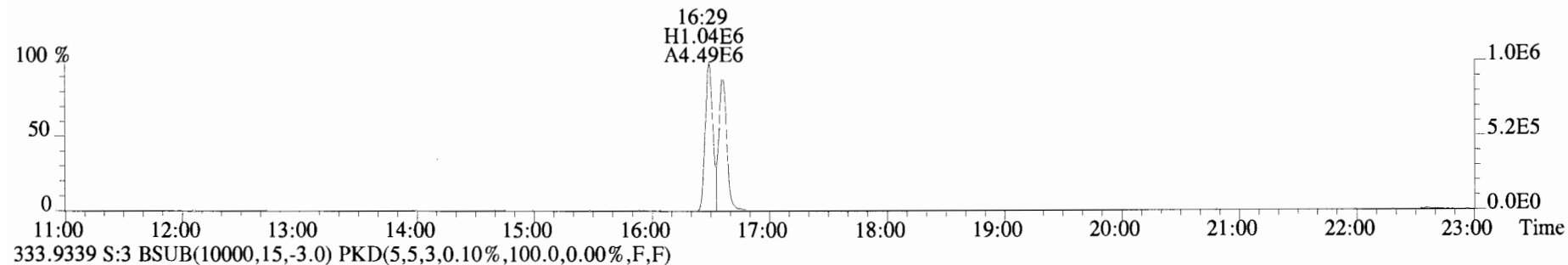
File:190530D1 #1-1682 Acq:30-MAY-2019 12:05:38 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-1 1613 CS0 19C2201 Exp:TCDF_DB225
 303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



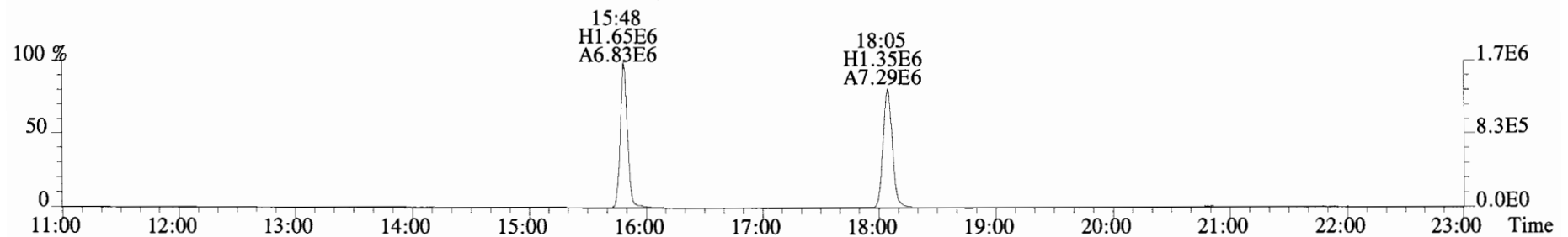
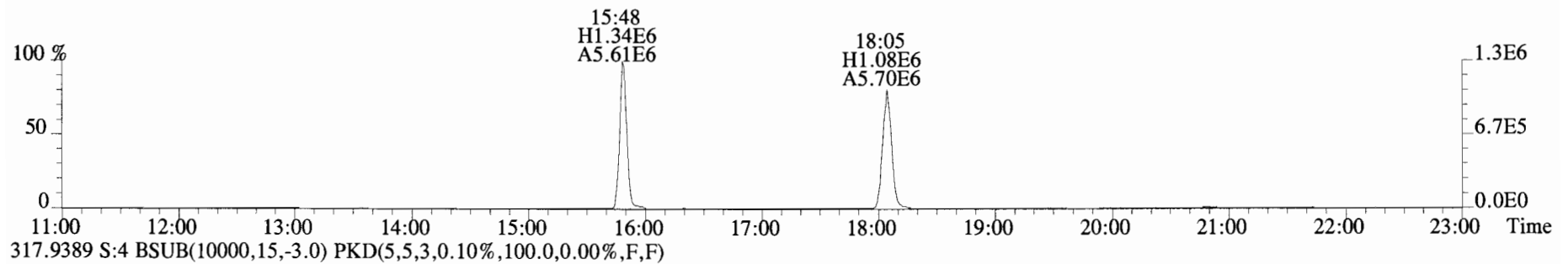
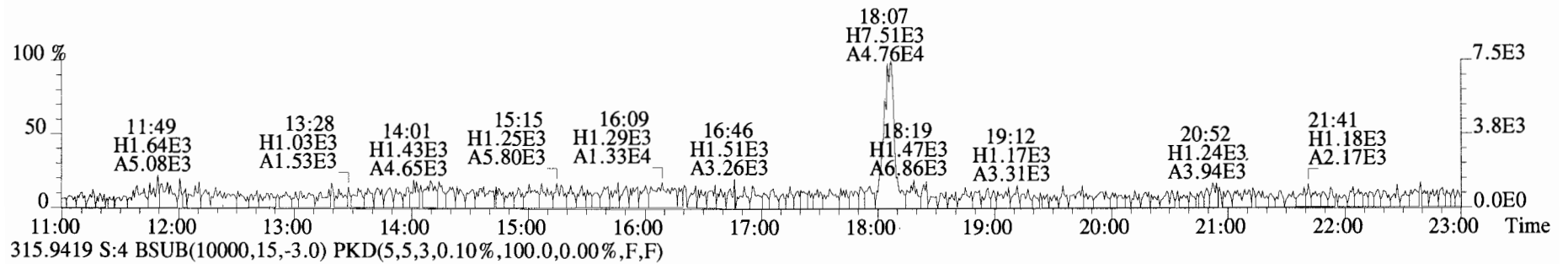
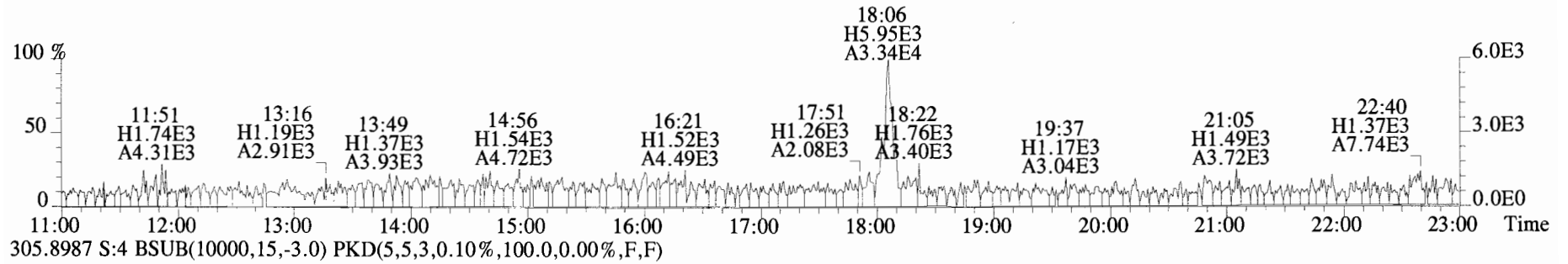
File:190530D1 #1-1682 Acq:30-MAY-2019 12:05:38 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-1 1613 CS0 19C2201 Exp:TCDF_DB225
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



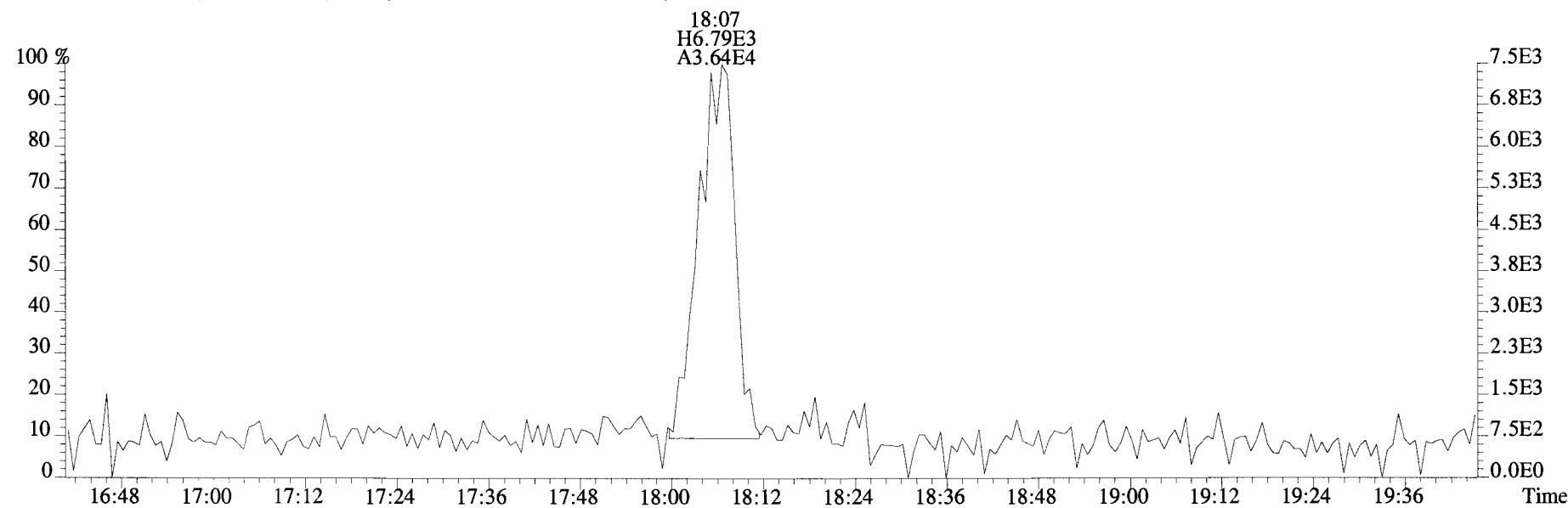
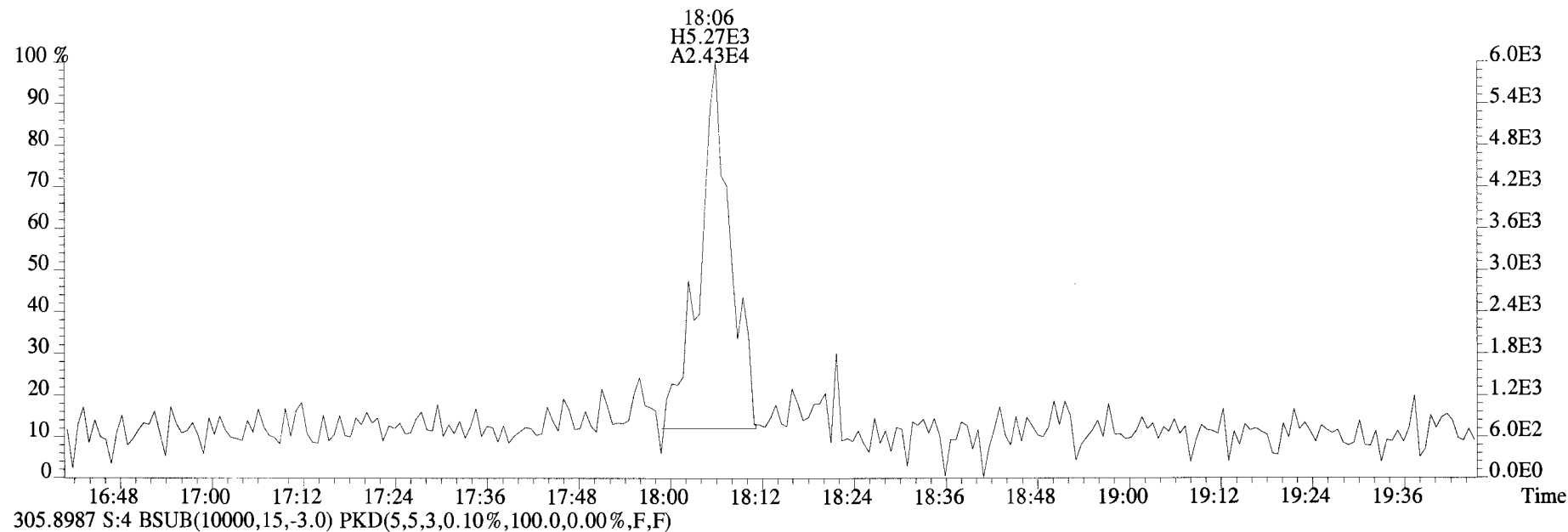
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Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST190530D1-1 1613 CS0 19C2201 Exp:TCDF_DB225
331.9368 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



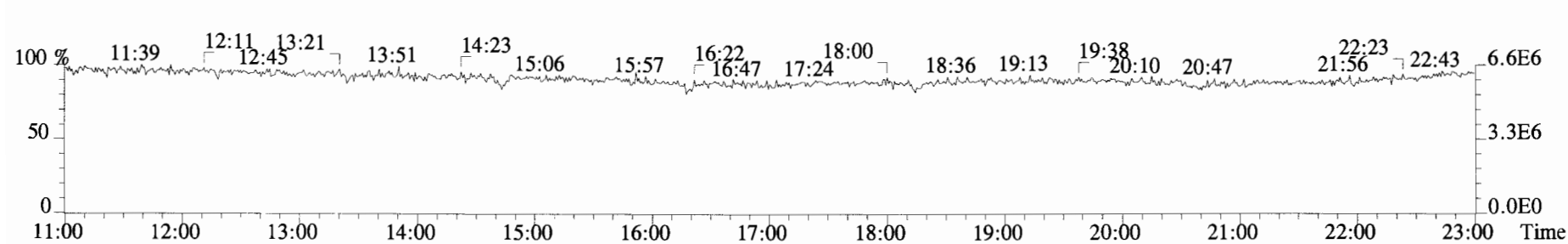
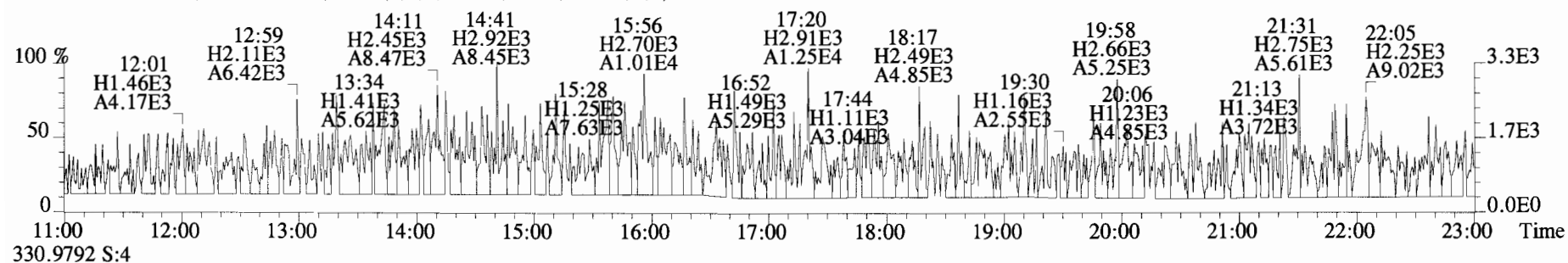
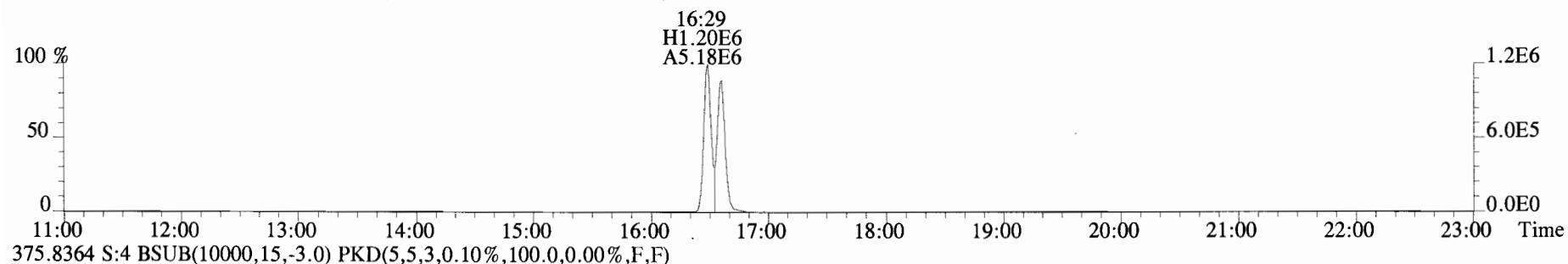
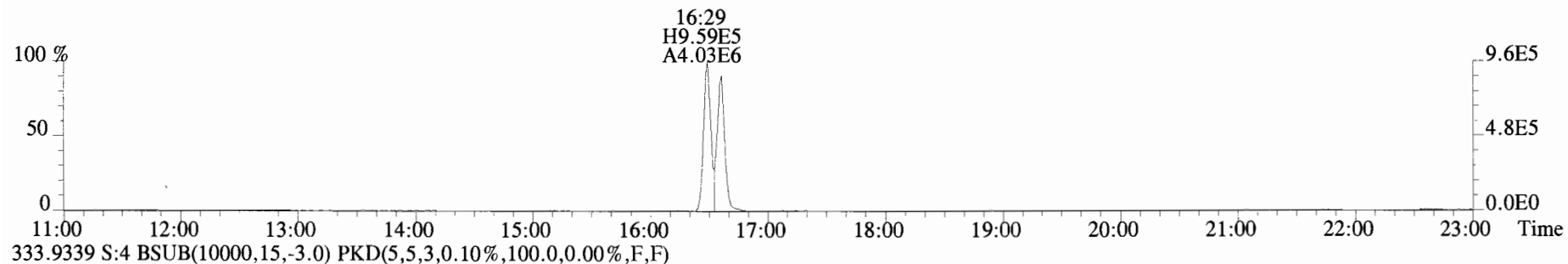
File:190530D1 #1-1683 Acq:30-MAY-2019 12:37:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-2 1613 CS1 19C2202 Exp:TCDF_DB225
303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



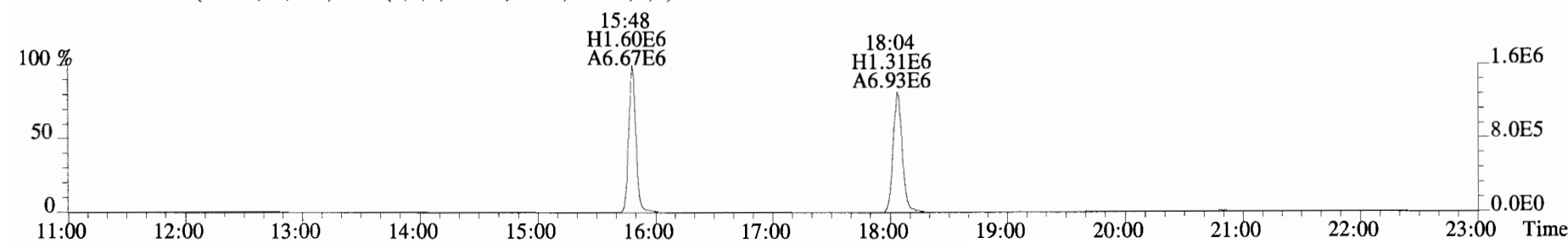
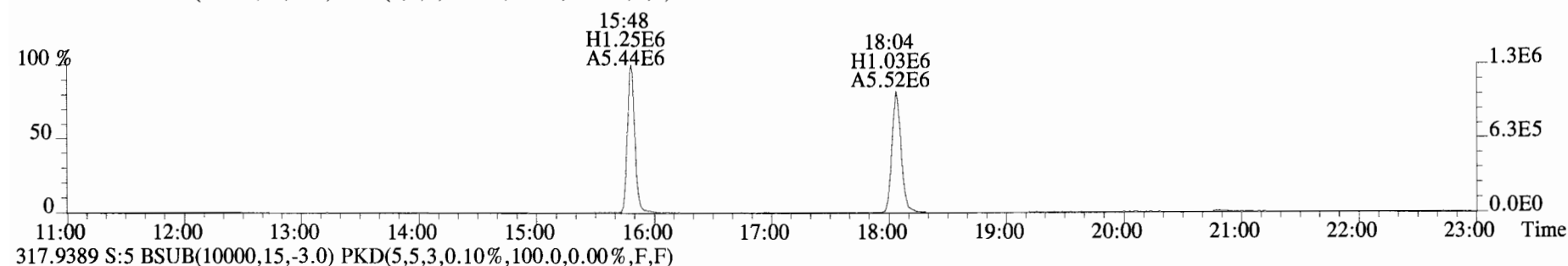
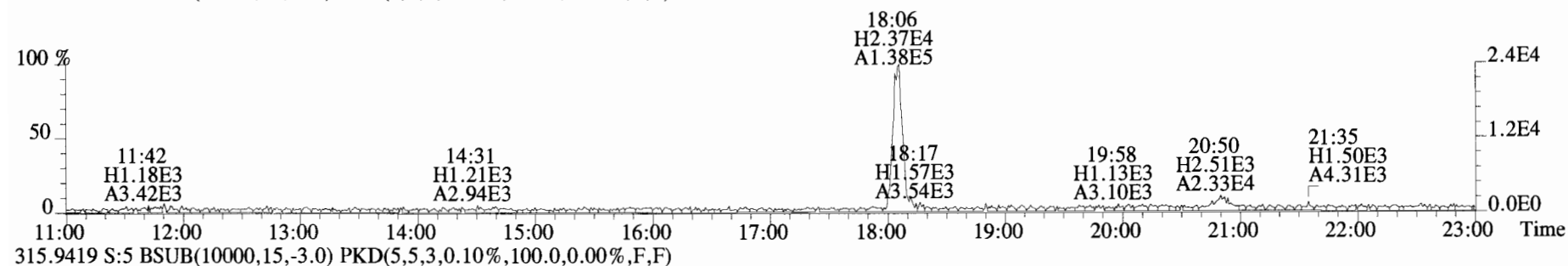
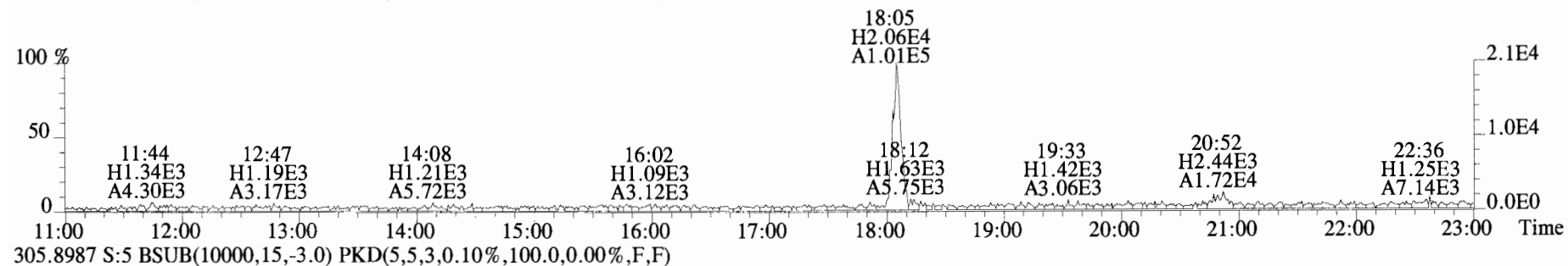
File:190530D1 #1-1683 Acq:30-MAY-2019 12:37:29 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-2 1613 CS1 19C2202 Exp:TCDF_DB225
303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



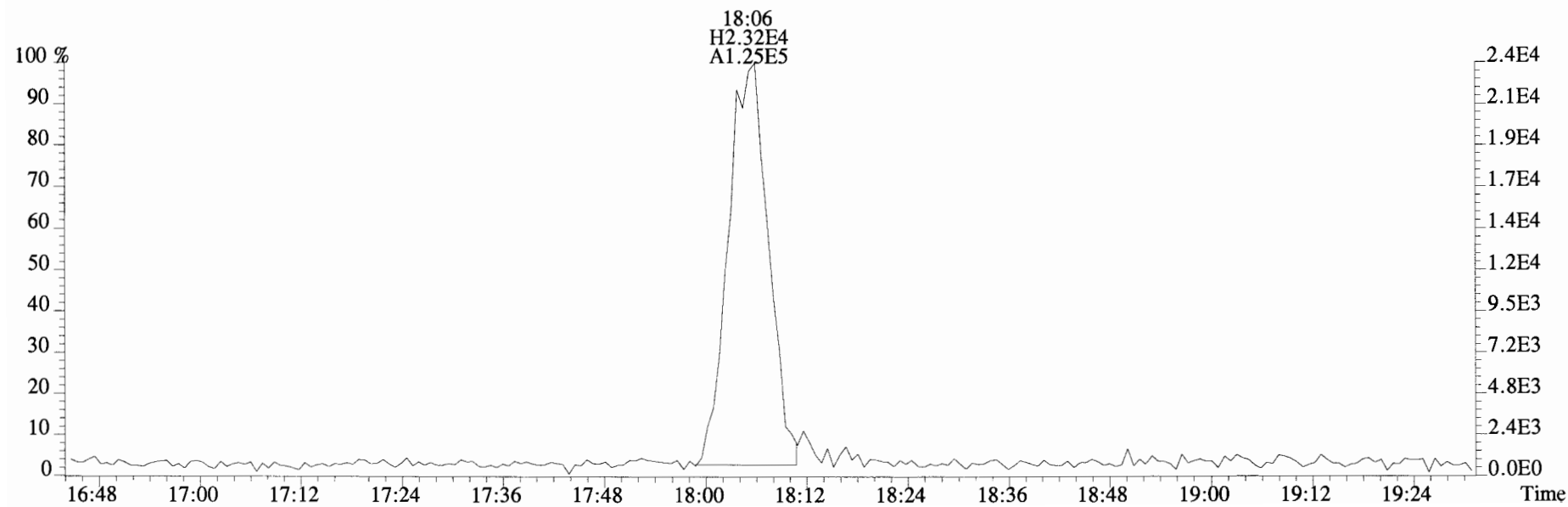
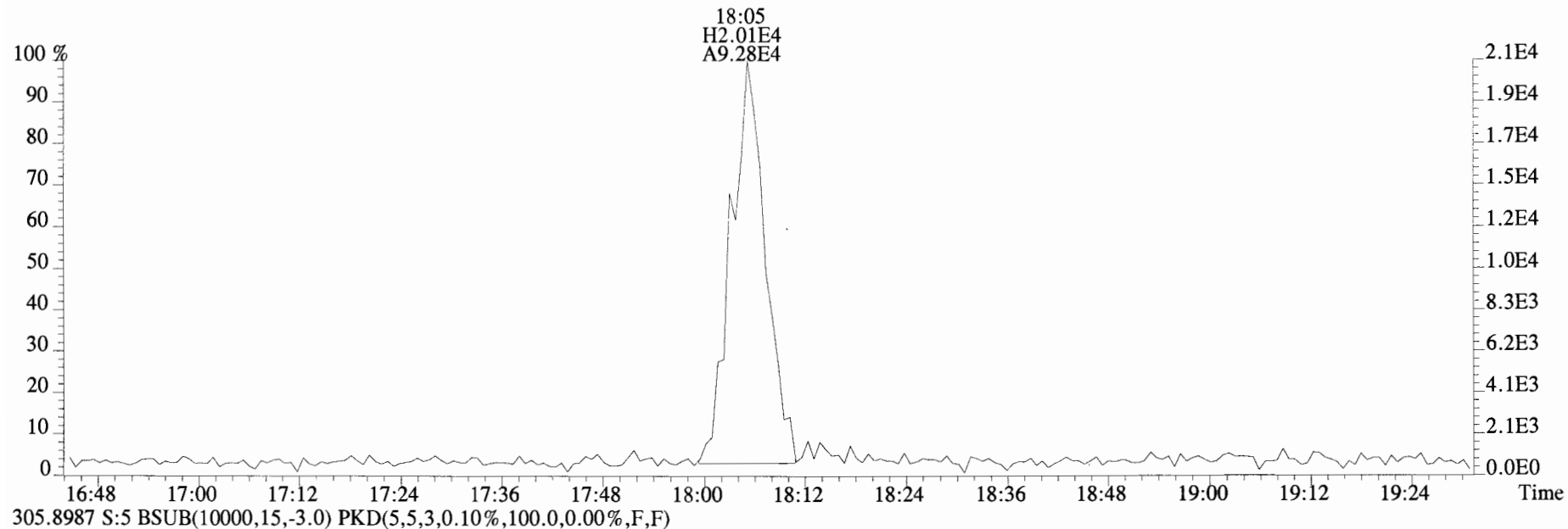
File:190530D1 #1-1683 Acq:30-MAY-2019 12:37:29 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST190530D1-2 1613 CS1 19C2202 Exp:TCDF_DB225
 331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



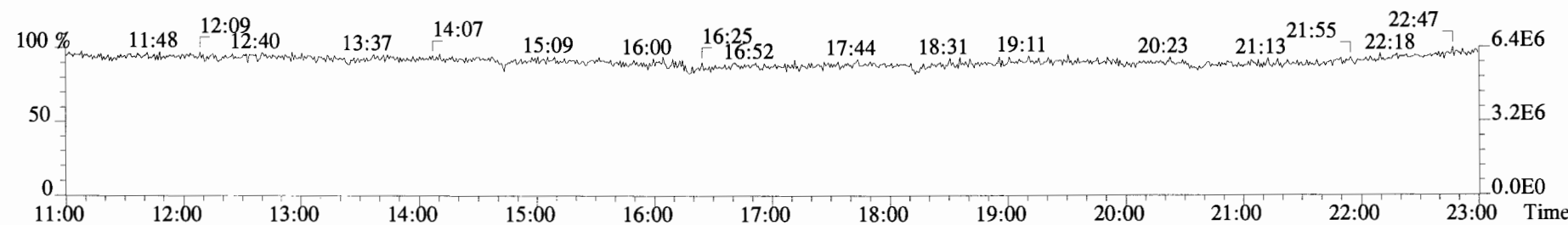
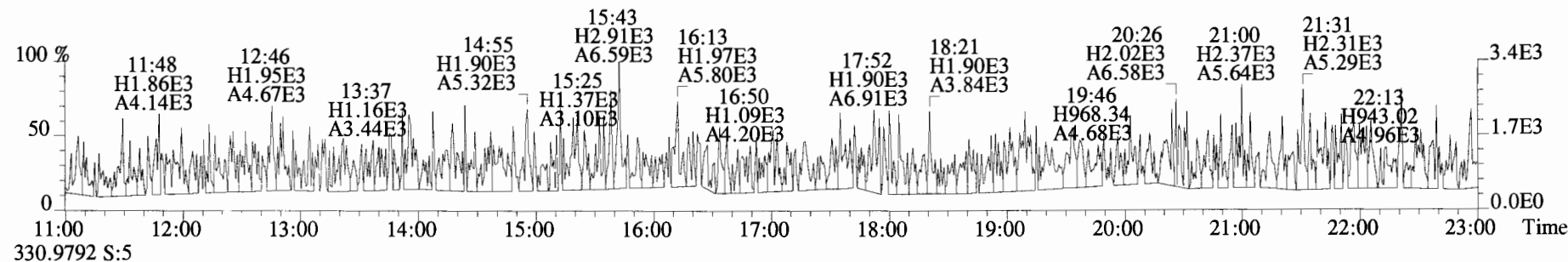
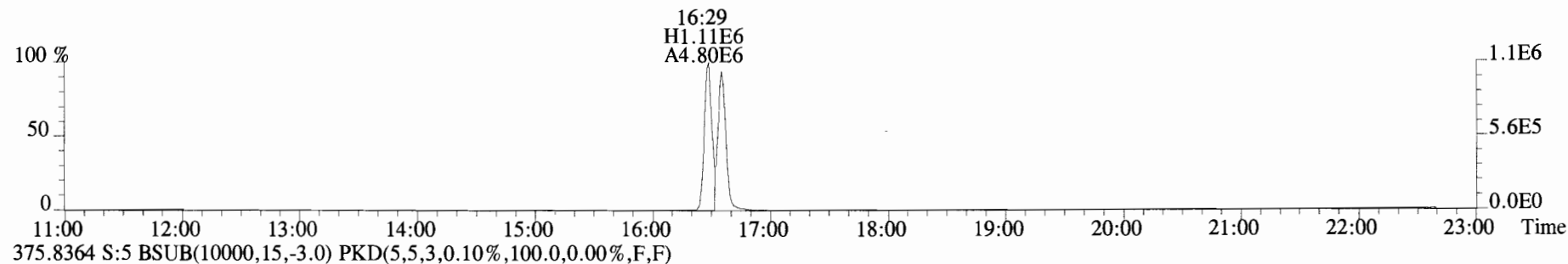
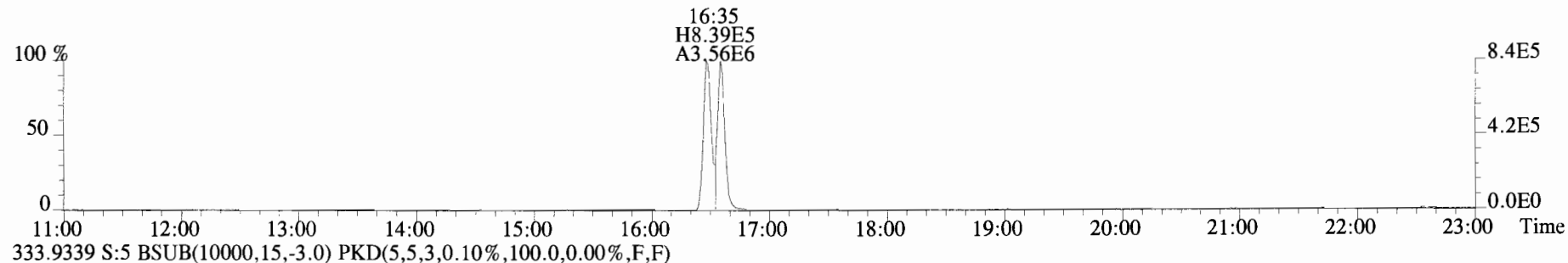
File:190530D1 #1-1683 Acq:30-MAY-2019 13:09:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-3 1613 CS2 19C2203 Exp:TCDF_DB225
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



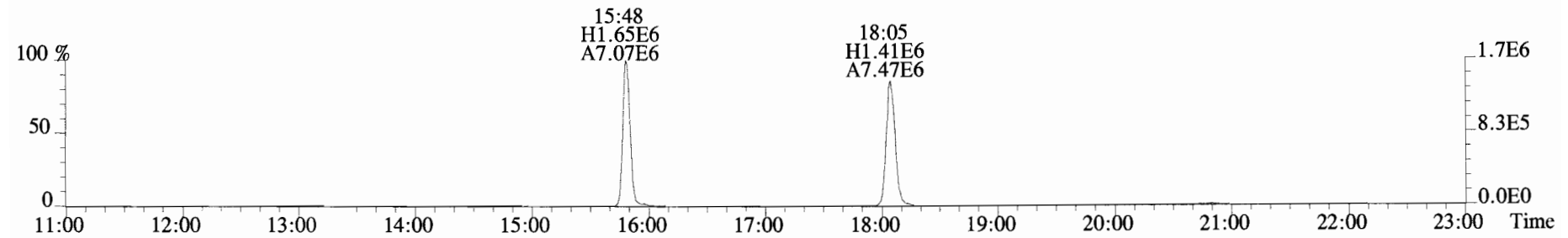
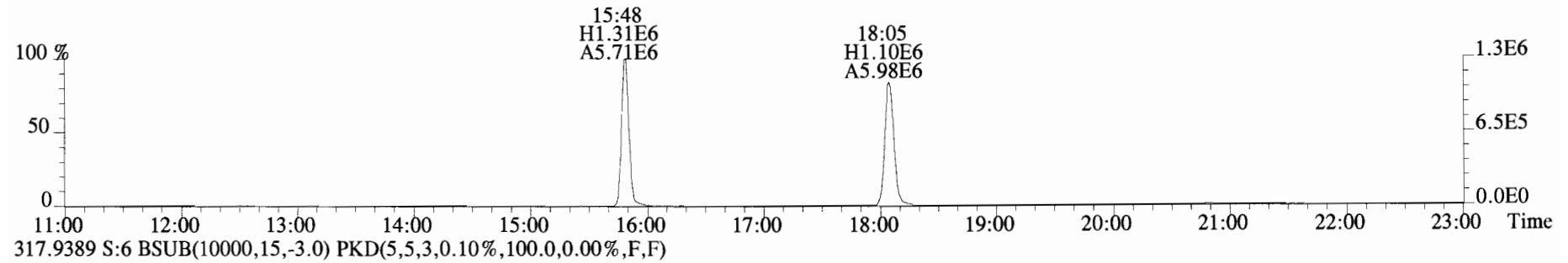
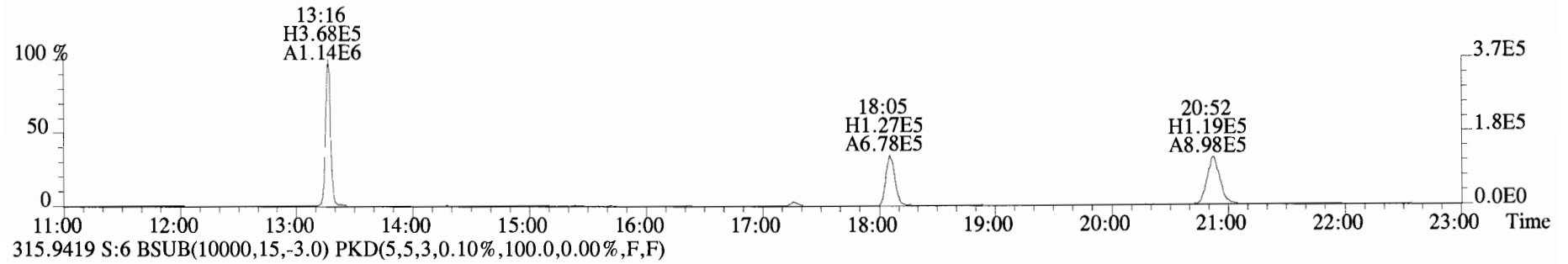
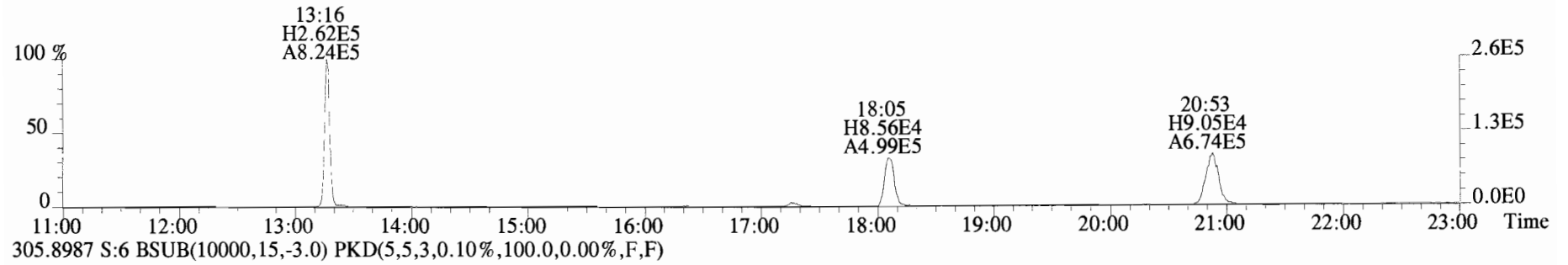
File:190530D1 #1-1683 Acq:30-MAY-2019 13:09:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-3 1613 CS2 19C2203 Exp:TCDF_DB225
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



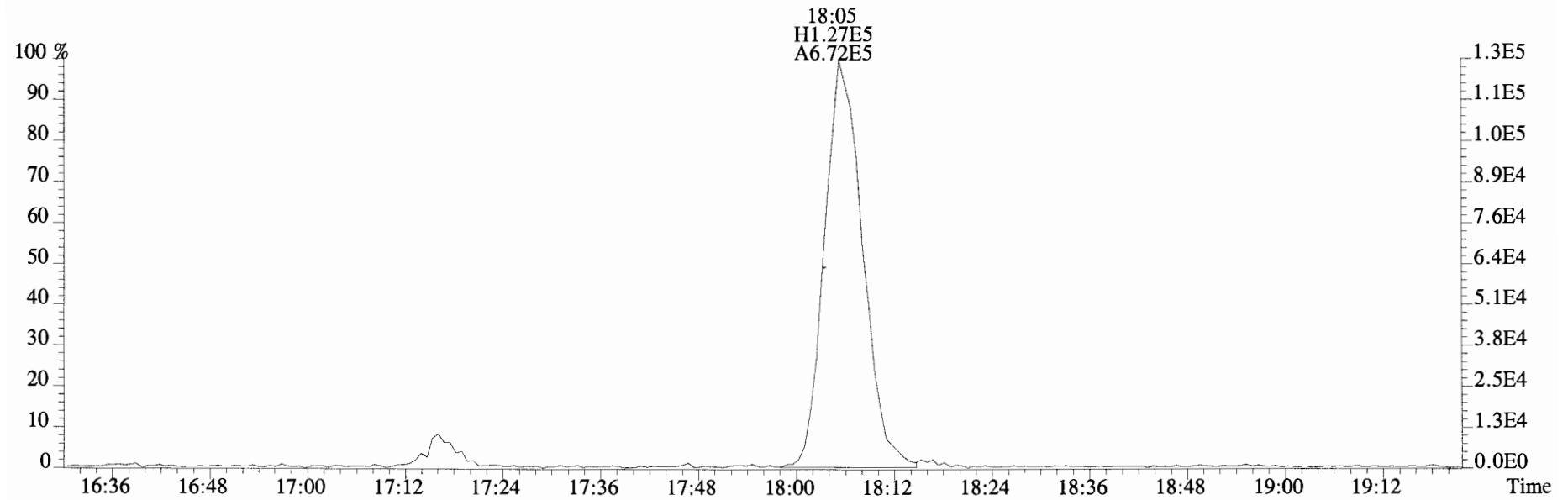
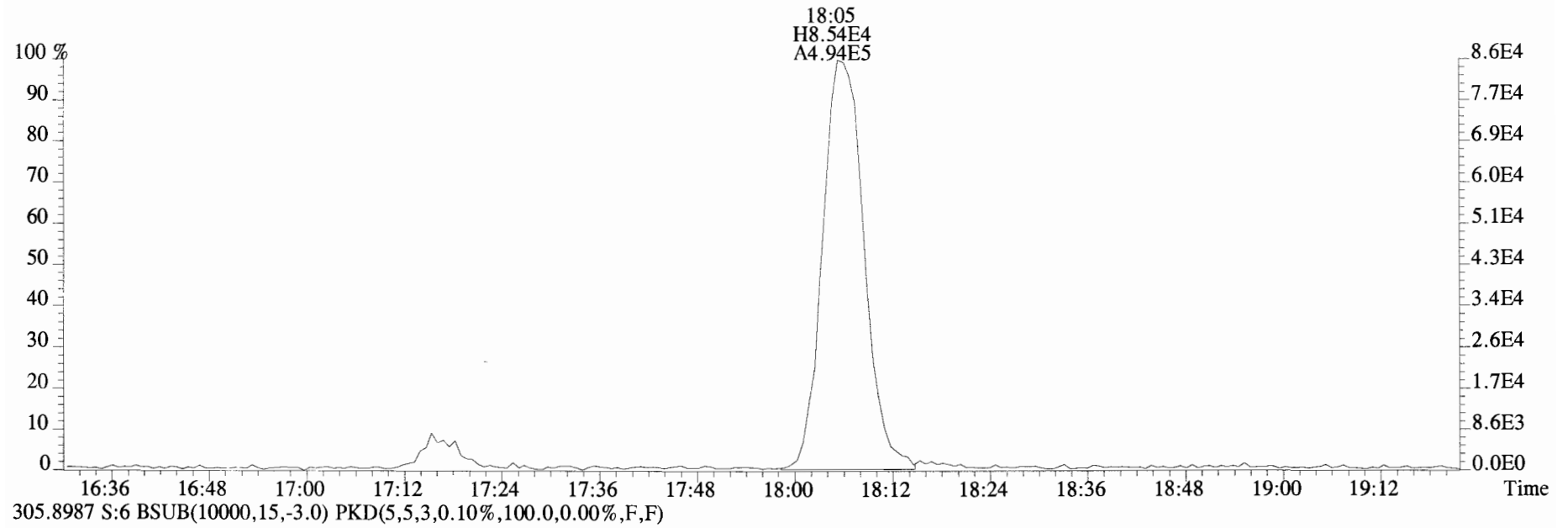
File:190530D1 #1-1683 Acq:30-MAY-2019 13:09:20 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-3 1613 CS2 19C2203 Exp:TCDF_DB225
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



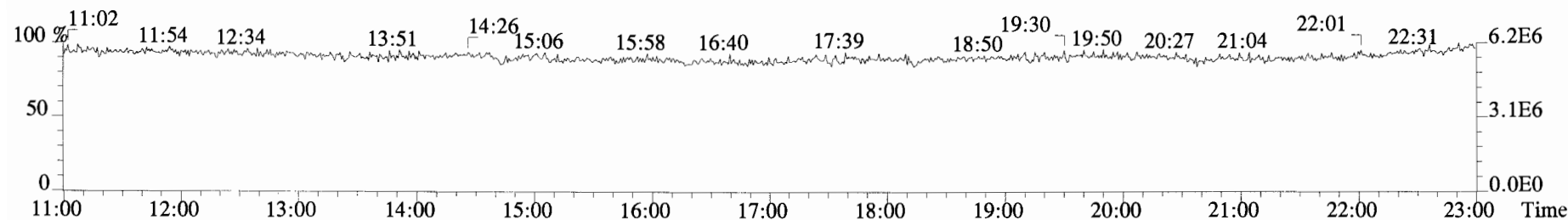
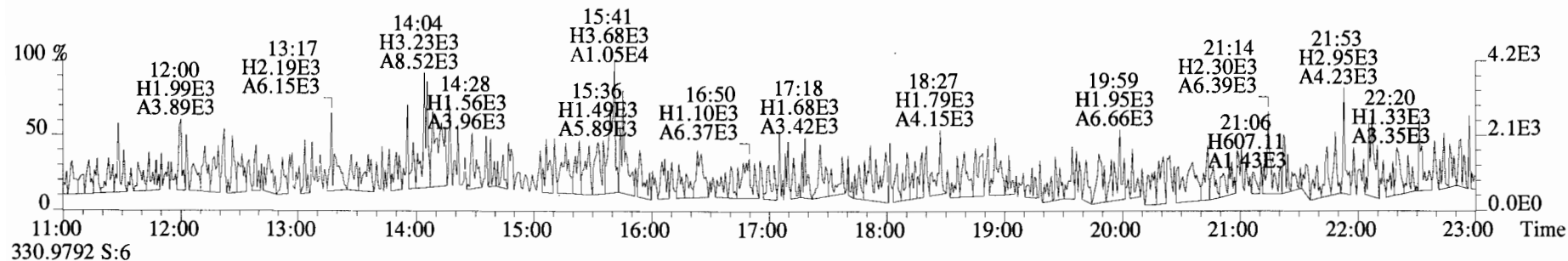
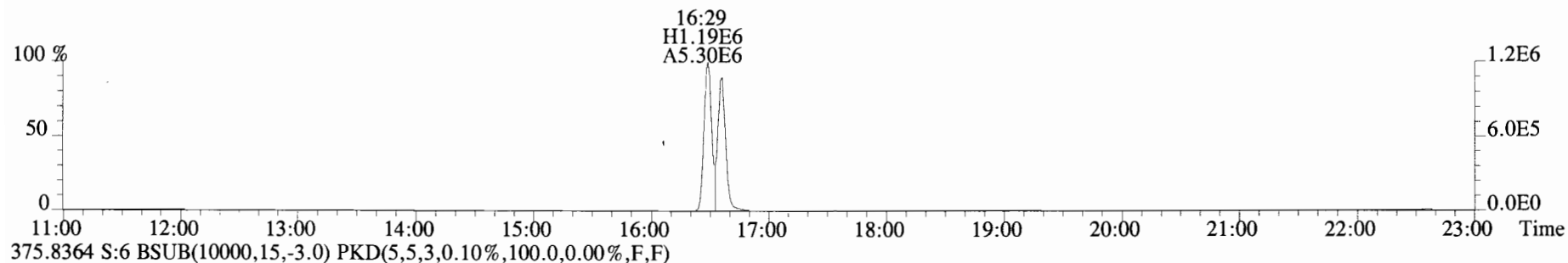
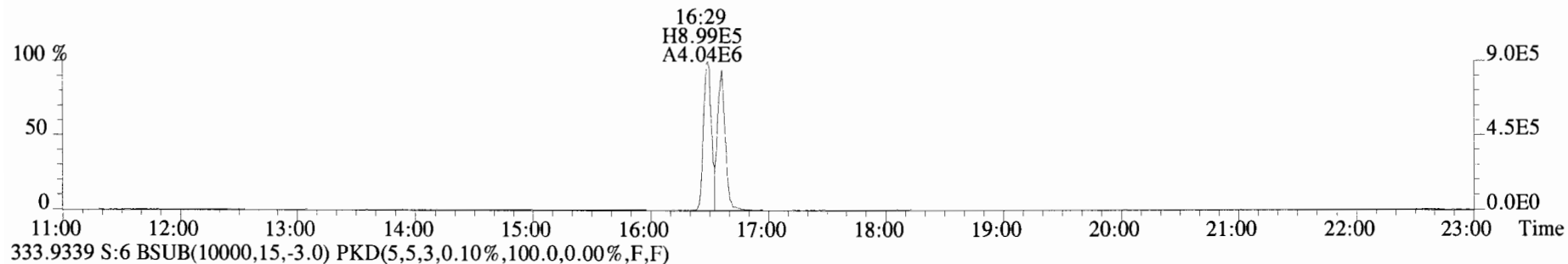
File:190530D1 #1-1682 Acq:30-MAY-2019 13:41:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-4 1613 CS3 19C2204 Exp:TCDF_DB225
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



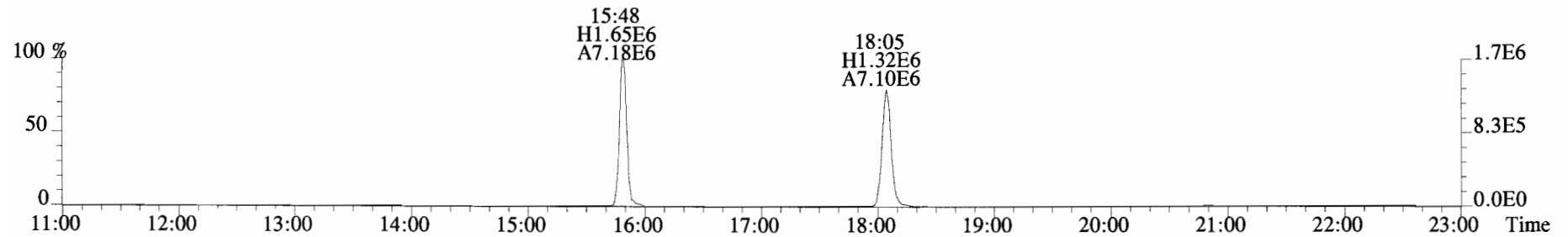
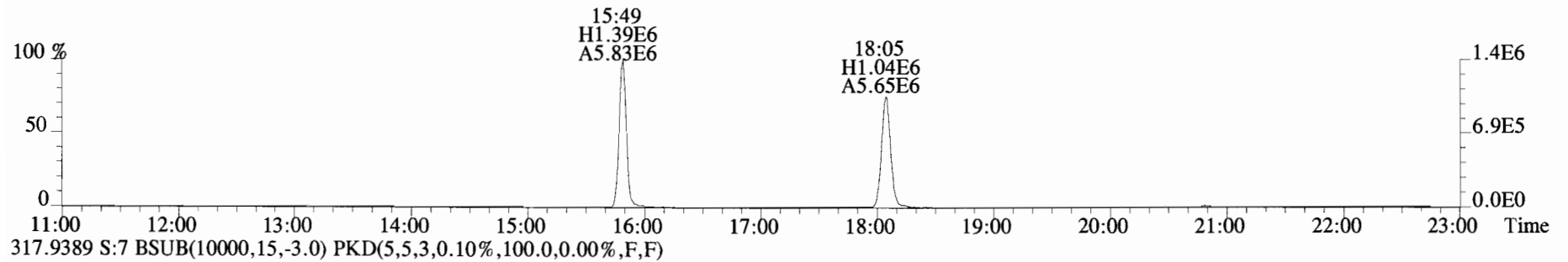
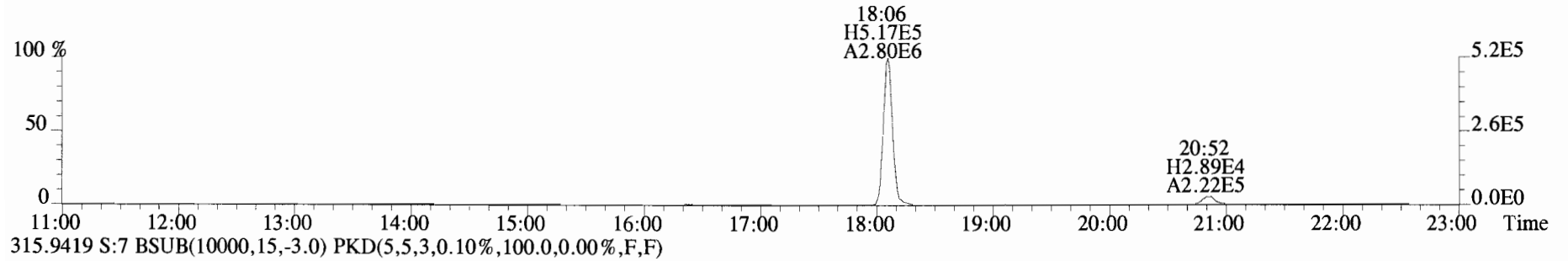
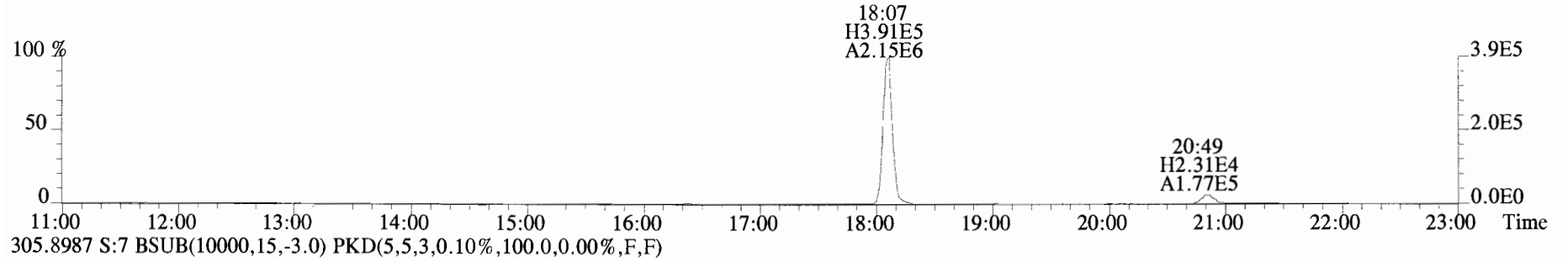
File:190530D1 #1-1682 Acq:30-MAY-2019 13:41:11 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST190530D1-4 1613 CS3 19C2204 Exp:TCDF_DB225
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



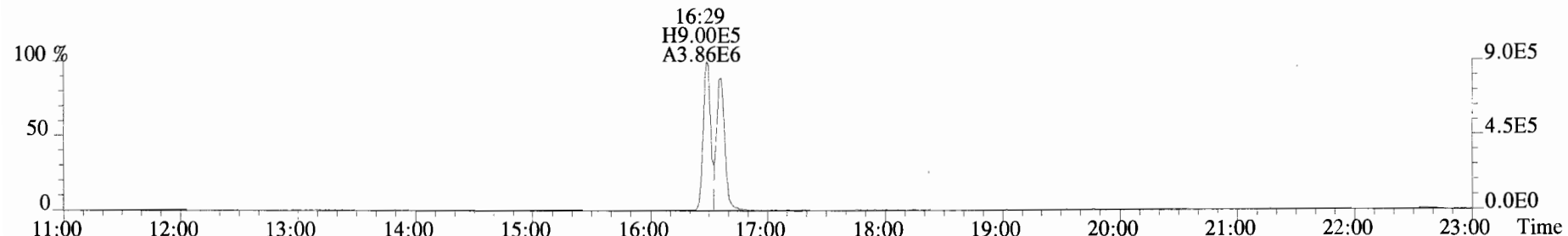
File:190530D1 #1-1682 Acq:30-MAY-2019 13:41:11 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-4 1613 CS3 19C2204 Exp:TCDF_DB225
 331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



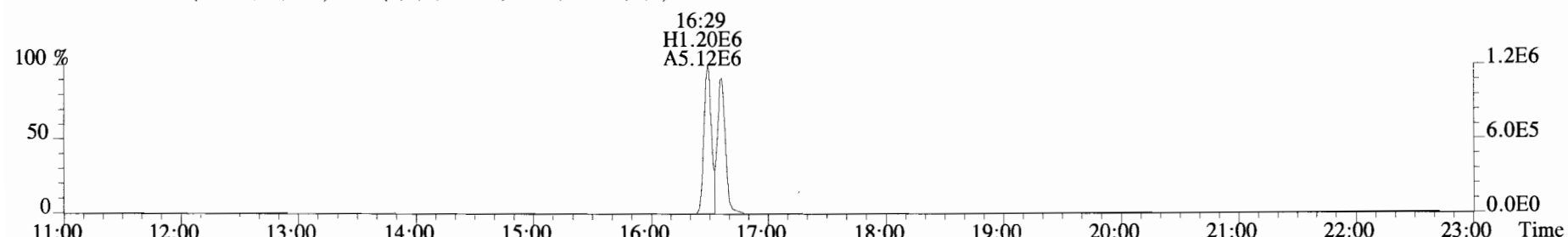
File:190530D1 #1-1682 Acq:30-MAY-2019 14:13:01 GC EI+ Voltage SIR Autospec-UltimaE
Sample#7 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-5 1613 CS4 19C2205 Exp:TCDF_DB225
303.9016 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



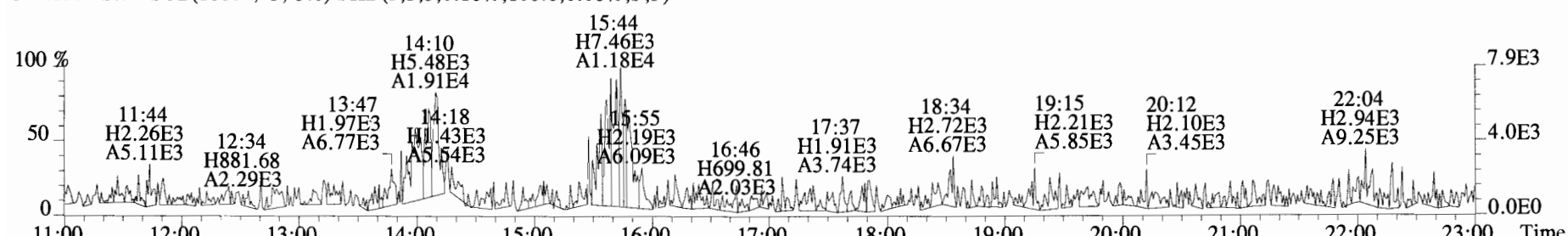
File:190530D1 #1-1682 Acq:30-MAY-2019 14:13:01 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#7 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-5 1613 CS4 19C2205 Exp:TCDF_DB225
 331.9368 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



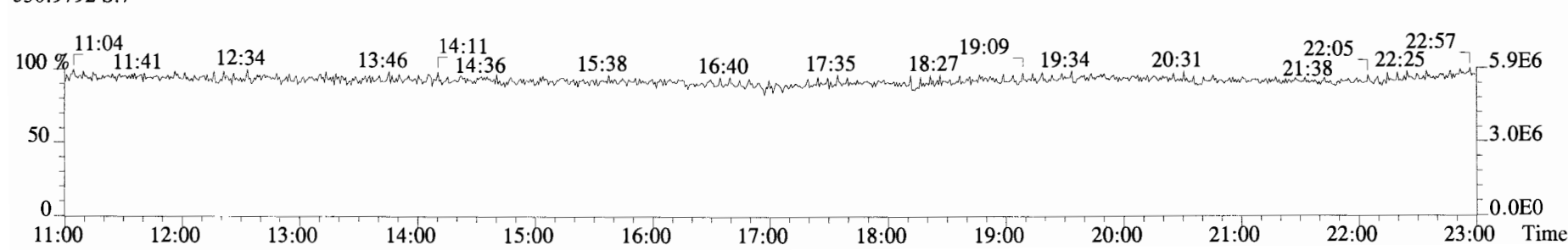
333.9339 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



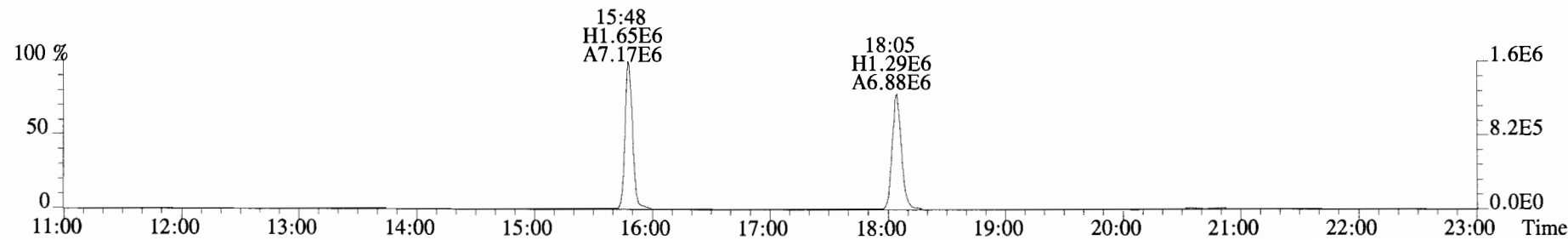
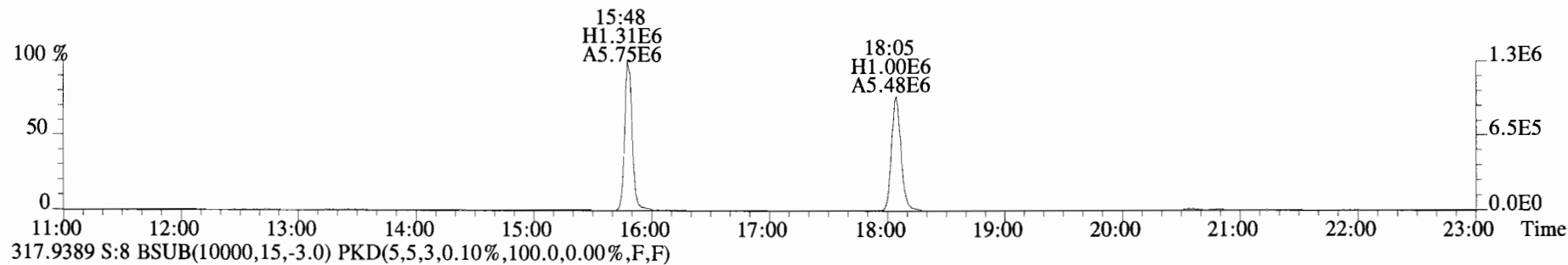
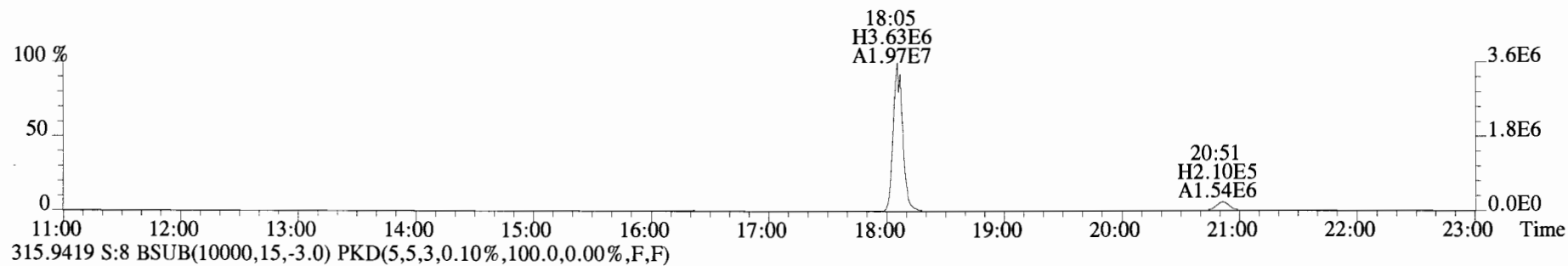
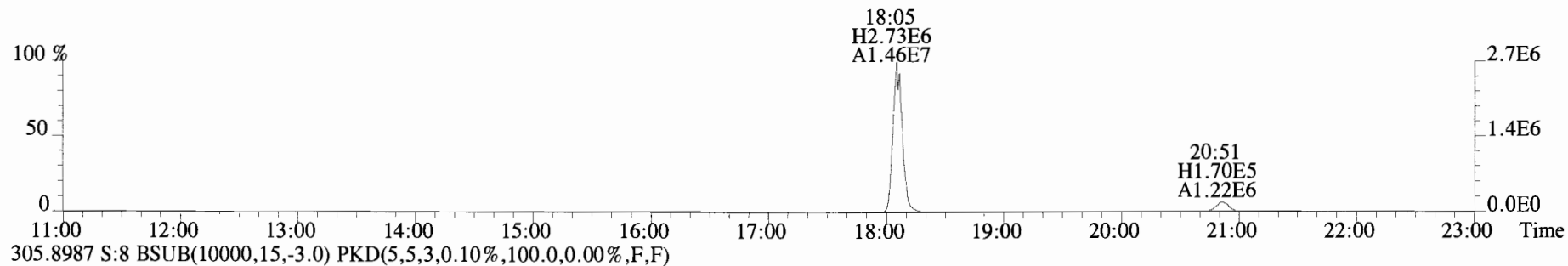
375.8364 S:7 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



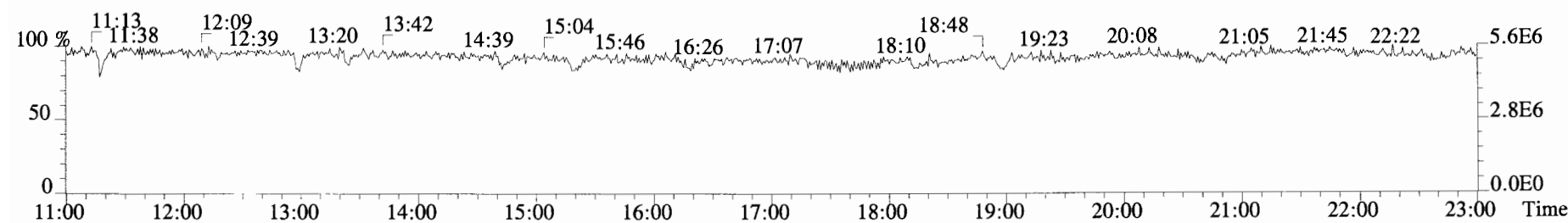
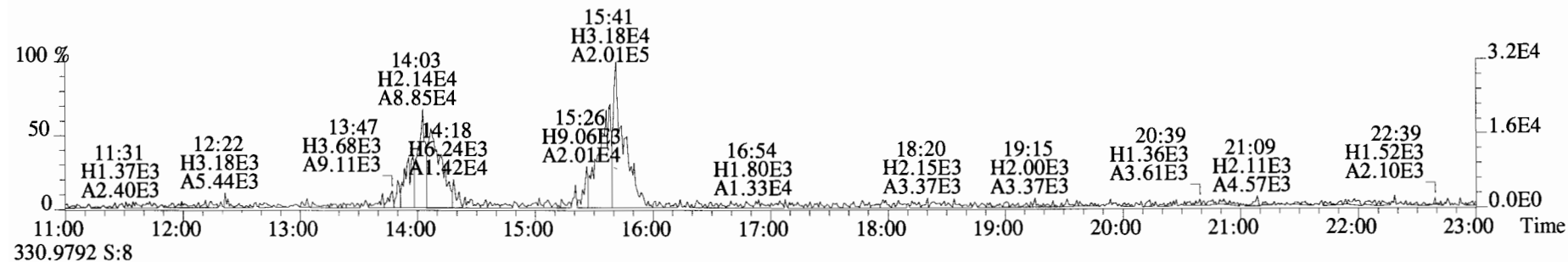
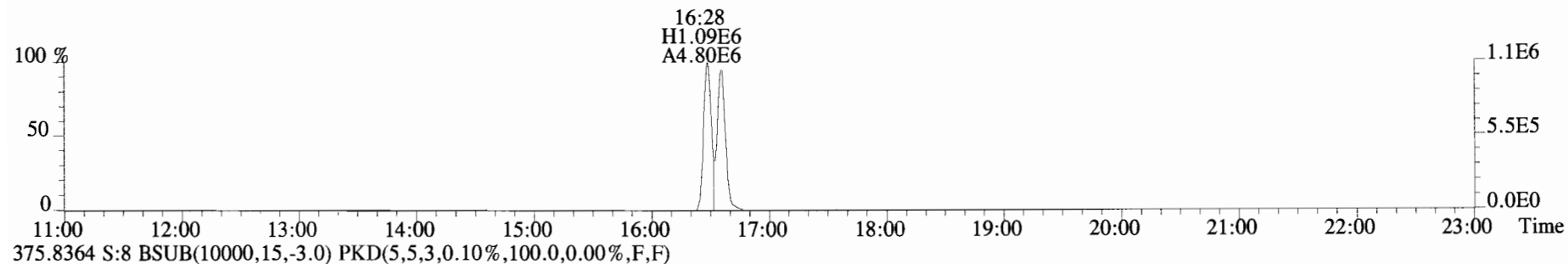
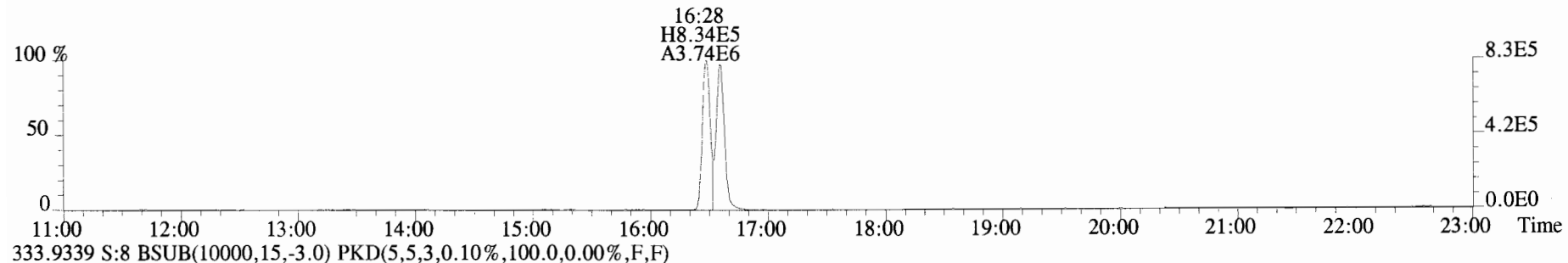
330.9792 S:7



File:190530D1 #1-1682 Acq:30-MAY-2019 14:44:52 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-6 1613 CS5 19C2206 Exp:TCDF_DB225
303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

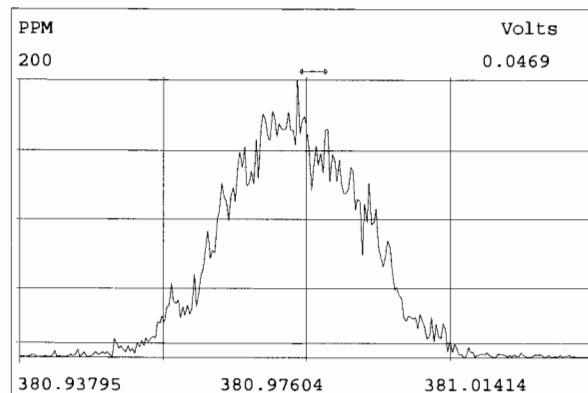
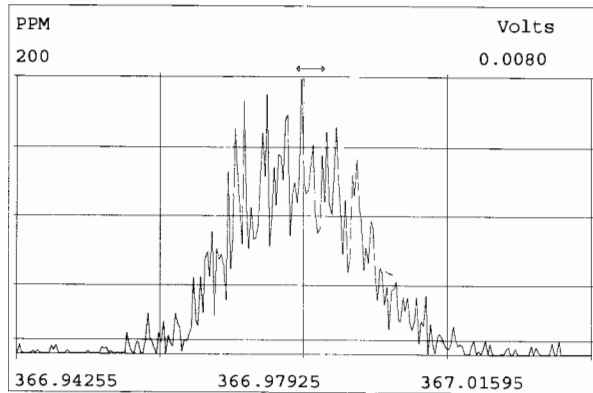
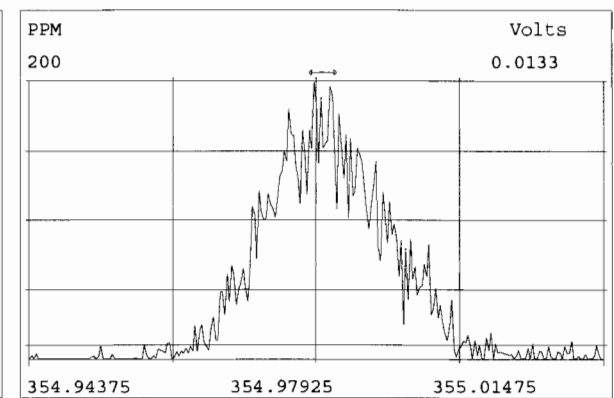
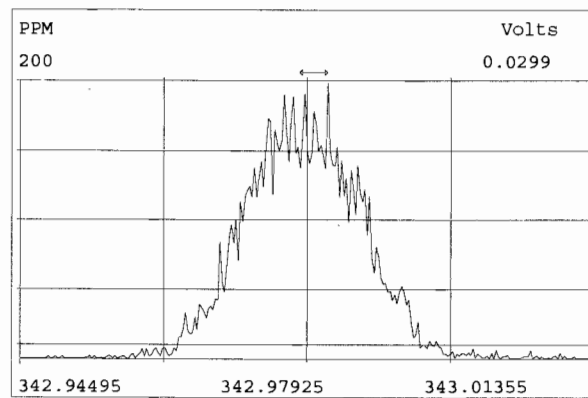
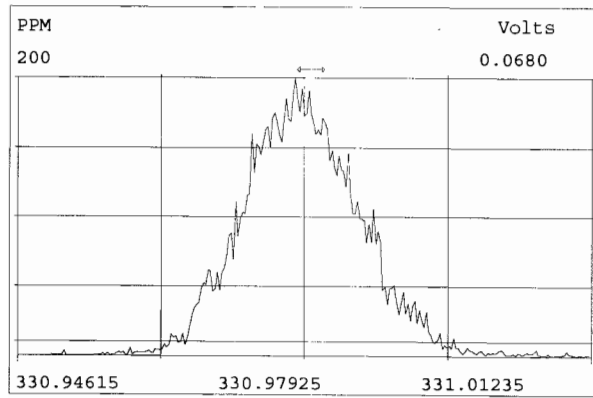
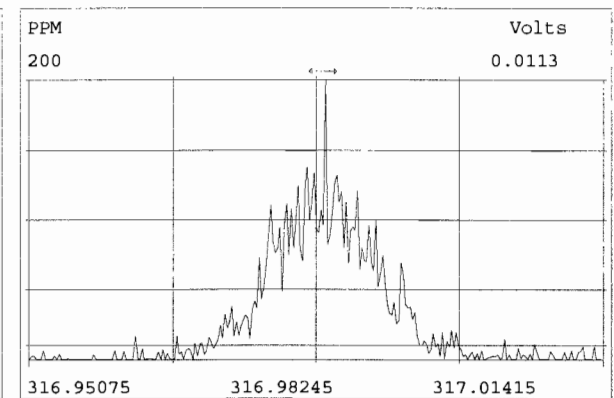
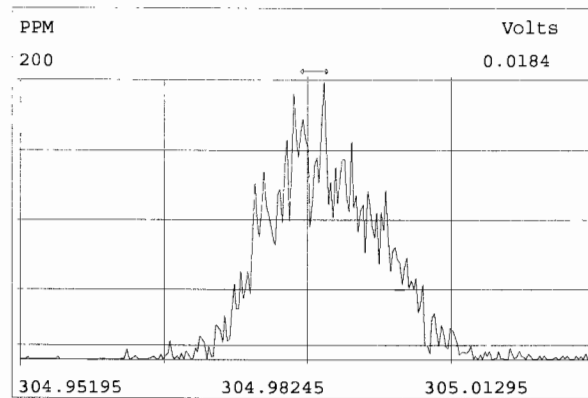
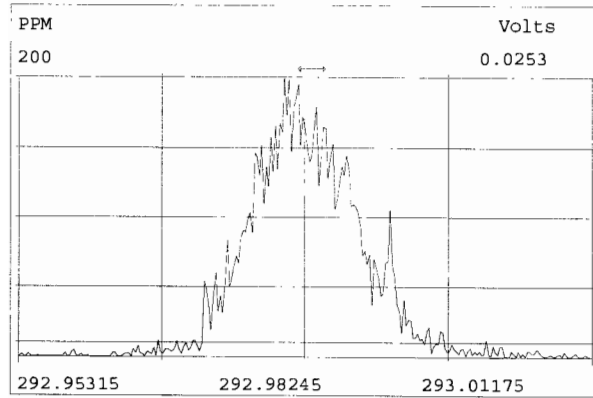


File:190530D1 #1-1682 Acq:30-MAY-2019 14:44:52 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista Analytical Laboratory VG7 Text:ST190530D1-6 1613 CS5 19C2206 Exp:TCDF_DB225
 331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Peak Locate Examination:30-MAY-2019:19:09 File:RES_CHECK

Experiment:TCDF_DB225 Function:1 Reference:PFK



Client ID: 1613 SSS 19C2207
Lab ID: SS190528D1-1

Filename: 190530D1 S:10 Acq:30-MAY-19 15:48:32
GC Column ID: DB-225 ICal: 1613TCDFVG7-5-30-19 wt/vol: 1.000

ConCal: ST190530D1-4
EndCAL: NA

Name	Resp	RA	RT	RRF	Conc	Rec
13C-1,2,3,4-TCDF	1.15e+07	0.82 y	15:48	1.00	100.0	-
13C-2,3,7,8-TCDF	1.18e+07	0.80 y	18:04	1.02	100.0	100.0
2,3,7,8-TCDF	1.08e+06	0.74 y	18:05	0.95	9.628	

Integrations

by
Analyst: DB

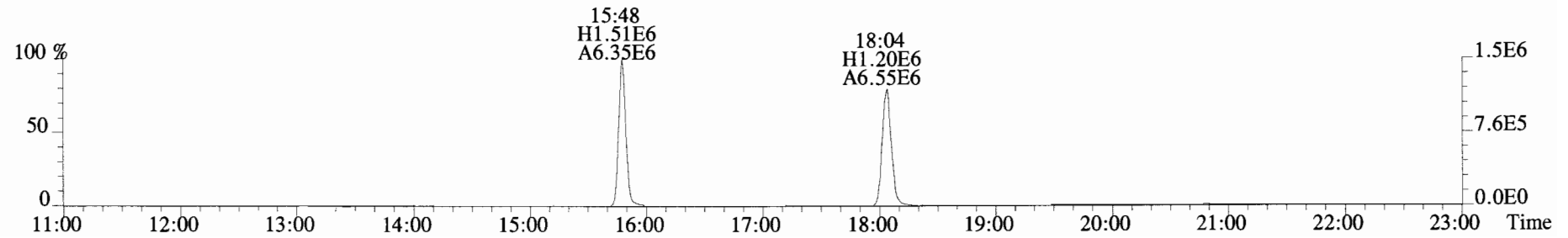
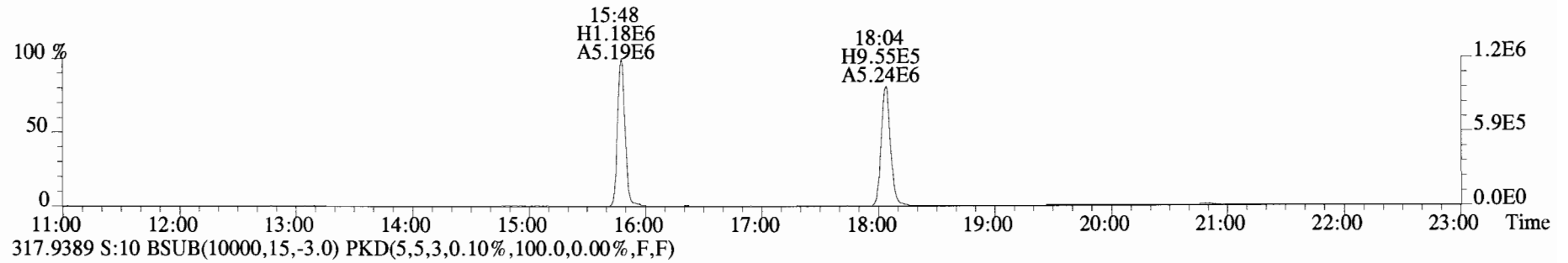
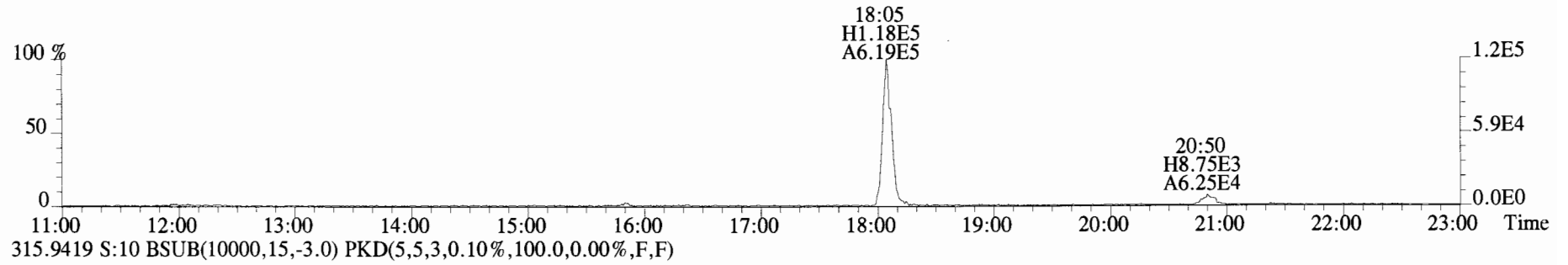
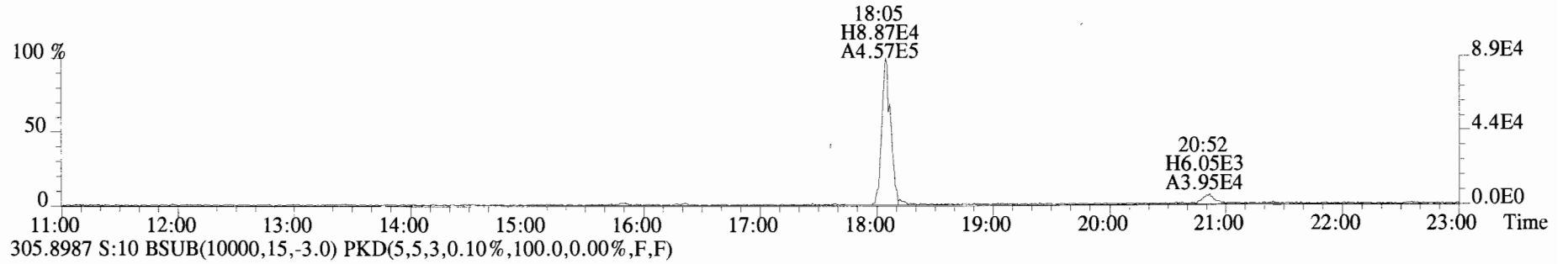
Date: 5/31/19

Reviewed

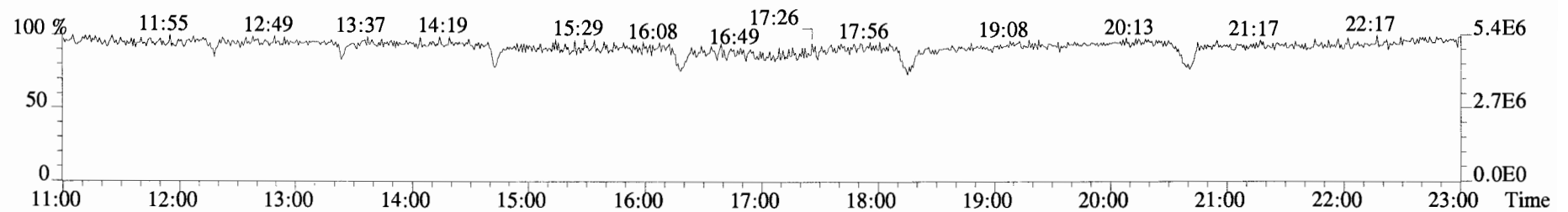
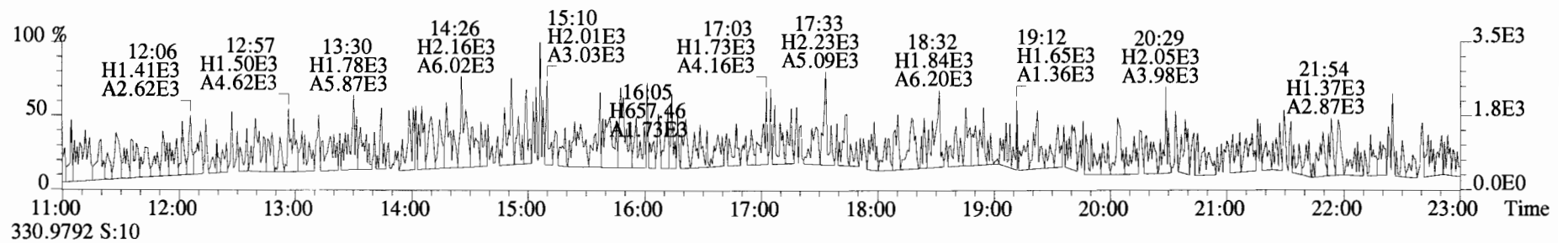
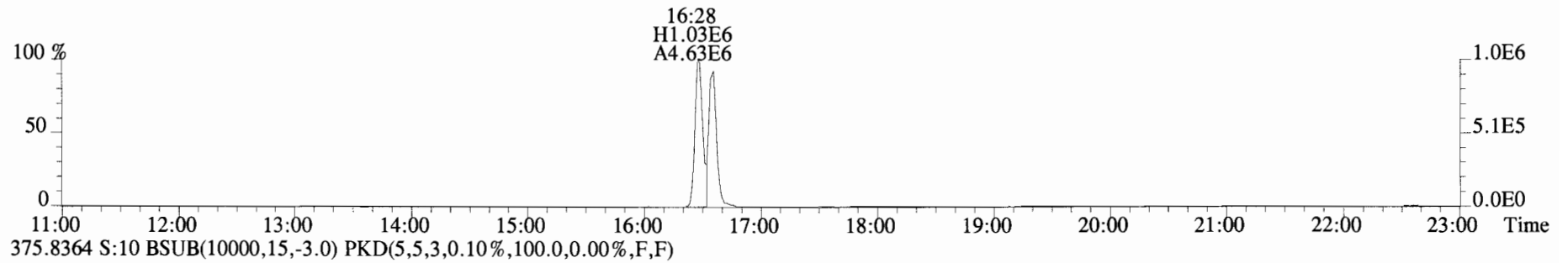
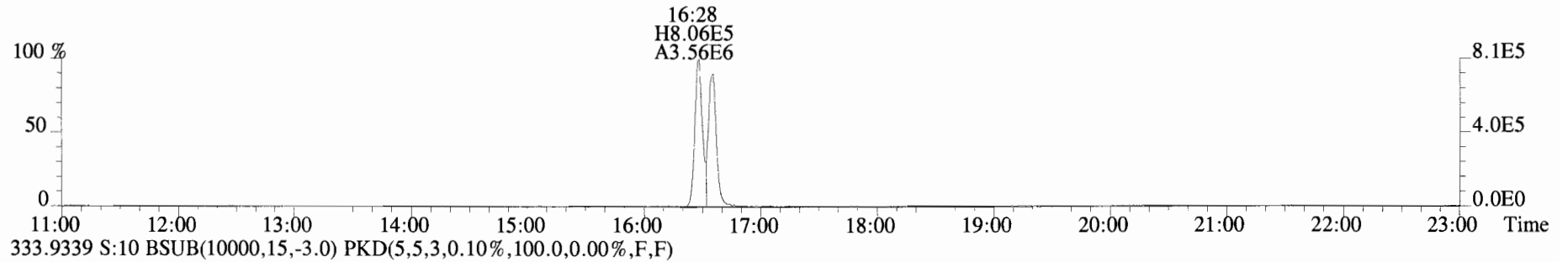
by
Analyst: CT

Date: 05/31/19

File:190530D1 #1-1682 Acq:30-MAY-2019 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
Sample#10 File Text:Vista Analytical Laboratory_VG7 Text:SS190528D1-1 1613 SSS 19C2207 Exp:TCDF_DB225
303.9016 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



File:190530D1 #1-1682 Acq:30-MAY-2019 15:48:32 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#10 File Text:Vista Analytical Laboratory VG7 Text:SS190528D1-1 1613 SSS 19C2207 Exp:TCDF_DB225
 331.9368 S:10 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld
 Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

HC 6-29-19

End res check had low PFK, so some peaks
 had ~~no~~ PFK peaks, bleed-through and some did not
 centroid.

Small amount of PFK added, End res check re-processed

MS 7/2/19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02
 Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1
 Response Factor: 1.02059
 RRF SD: 0.0608218, Relative SD: 5.95949
 Response type: Internal Std (Ref 169), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	2.92	NO	16.02	1.001	4.65e3	2.00e6	0.228	-8.7	0.932	bb
190628K2_2	1.00	3.15	NO	16.03	1.001	1.95e4	1.99e6	0.964	-3.6	0.984	bb
190628K2_3	2.50	3.07	NO	16.04	1.001	4.78e4	1.90e6	2.46	-1.5	1.00	bb
190628K2_4	400	3.13	NO	16.03	1.001	9.67e6	2.27e6	418	4.5	1.07	bb
190628K2_5	1000	3.11	NO	16.03	1.001	2.52e7	2.28e6	1080	8.0	1.10	bb
190628K2_6	50.0	3.17	NO	16.02	1.001	1.02e6	1.96e6	50.7	1.4	1.04	bb

Compound name: PCB-2
 Response Factor: 1.00905
 RRF SD: 0.0643807, Relative SD: 6.38035
 Response type: Internal Std (Ref 170), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	3.17	NO	18.47	0.988	4.61e3	2.02e6	0.226	-9.6	0.912	bb
190628K2_2	1.00	3.18	NO	18.48	0.988	1.94e4	1.99e6	0.966	-3.4	0.975	bb
190628K2_3	2.50	3.10	NO	18.50	0.989	4.79e4	1.92e6	2.47	-1.1	0.998	bb
190628K2_4	400	3.09	NO	18.48	0.988	9.78e6	2.30e6	422	5.4	1.06	bb
190628K2_5	1000	3.15	NO	18.48	0.988	2.56e7	2.34e6	1080	8.3	1.09	bb
190628K2_6	50.0	3.20	NO	18.47	0.988	1.01e6	1.99e6	50.2	0.4	1.01	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-3

Response Factor: 1.00697

RRF SD: 0.0623914, Relative SD: 6.19594

Response type: Internal Std (Ref 170), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	3.03	NO	18.71	1.001	4.64e3	2.02e6	0.228	-8.7	0.919	MM
2	190628K2_2	1.00	3.14	NO	18.73	1.001	1.92e4	1.99e6	0.958	-4.2	0.965	bb
3	190628K2_3	2.50	3.23	NO	18.73	1.001	4.79e4	1.92e6	2.48	-1.0	0.997	bb
4	190628K2_4	400	3.11	NO	18.72	1.001	9.75e6	2.30e6	421	5.3	1.06	bb
5	190628K2_5	1000	3.13	NO	18.72	1.001	2.55e7	2.34e6	1080	8.3	1.09	bb
6	190628K2_6	50.0	3.16	NO	18.72	1.001	1.01e6	1.99e6	50.2	0.3	1.01	bb

Compound name: PCB-4/10

Response Factor: 1.27539

RRF SD: 0.0612282, Relative SD: 4.80075

Response type: Internal Std (Ref 171), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.52	NO	20.16	1.004	7.26e3	1.18e6	0.484	-3.3	1.23	MM
2	190628K2_2	2.00	1.58	NO	20.18	1.005	2.81e4	1.17e6	1.88	-5.9	1.20	MM
3	190628K2_3	5.00	1.67	NO	20.18	1.004	7.00e4	1.13e6	4.88	-2.5	1.24	MM
4	190628K2_4	800	1.57	NO	20.17	1.004	1.42e7	1.35e6	830	3.7	1.32	MM
5	190628K2_5	2000	1.58	NO	20.17	1.004	3.73e7	1.37e6	2140	7.0	1.36	MM
6	190628K2_6	100	1.57	NO	20.16	1.004	1.52e6	1.18e6	101	0.9	1.29	MM

Compound name: PCB-7/9

Response Factor: 0.976133

RRF SD: 0.0665552, Relative SD: 6.81825

Response type: Internal Std (Ref 172), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.54	NO	21.98	1.003	8.19e3	1.85e6	0.453	-9.3	0.885	MM
2	190628K2_2	2.00	1.51	NO	21.98	1.002	3.39e4	1.83e6	1.90	-5.1	0.926	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-7/9

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	5.00	1.58	NO	22.00	1.003	8.39e4	1.74e6	4.94	-1.2	0.964	bb
4	190628K2_4	800	1.55	NO	21.98	1.002	1.72e7	2.08e6	844	5.6	1.03	bb
5	190628K2_5	2000	1.56	NO	21.99	1.003	4.55e7	2.13e6	2190	9.3	1.07	bb
6	190628K2_6	100	1.56	NO	21.96	1.001	1.79e6	1.82e6	101	0.8	0.984	bb

Compound name: PCB-6

Response Factor: 1.01708

RRF SD: 0.0768011, Relative SD: 7.55113

Response type: Internal Std (Ref 172), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.50	NO	22.64	1.033	4.20e3	1.85e6	0.223	-10.8	0.908	MM
2	190628K2_2	1.00	1.53	NO	22.65	1.032	1.78e4	1.83e6	0.954	-4.6	0.971	bb
3	190628K2_3	2.50	1.55	NO	22.67	1.033	4.32e4	1.74e6	2.44	-2.5	0.991	bb
4	190628K2_4	400	1.58	NO	22.65	1.033	9.02e6	2.08e6	426	6.4	1.08	bb
5	190628K2_5	1000	1.57	NO	22.65	1.033	2.38e7	2.13e6	1100	9.9	1.12	bb
6	190628K2_6	50.0	1.58	NO	22.64	1.033	9.40e5	1.82e6	50.8	1.6	1.03	bb

Compound name: PCB-5/8

Response Factor: 1.0111

RRF SD: 0.0691334, Relative SD: 6.83747

Response type: Internal Std (Ref 172), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.42	NO	23.06	1.052	8.63e3	1.85e6	0.461	-7.7	0.933	MM
2	190628K2_2	2.00	1.63	NO	23.09	1.052	3.48e4	1.83e6	1.88	-6.0	0.950	bb
3	190628K2_3	5.00	1.56	NO	23.08	1.052	8.50e4	1.74e6	4.83	-3.4	0.976	bb
4	190628K2_4	800	1.55	NO	23.07	1.052	1.78e7	2.08e6	845	5.6	1.07	bb
5	190628K2_5	2000	1.56	NO	23.07	1.052	4.72e7	2.13e6	2190	9.5	1.11	bb
6	190628K2_6	100	1.57	NO	23.06	1.051	1.88e6	1.82e6	102	2.1	1.03	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: PCB-14

Response Factor: 1.03284

RRF SD: 0.0793435, Relative SD: 7.68206

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.52	NO	24.20	0.952	4.28e3	1.80e6	0.231	-7.8	0.953	MM
2	190628K2_2	1.00	1.60	NO	24.22	0.953	1.64e4	1.77e6	0.897	-10.3	0.927	bd
3	190628K2_3	2.50	1.63	NO	24.22	0.952	4.33e4	1.68e6	2.49	-0.2	1.03	bd
4	190628K2_4	400	1.58	NO	24.21	0.952	9.11e6	2.06e6	429	7.2	1.11	bd
5	190628K2_5	1000	1.55	NO	24.21	0.952	2.40e7	2.15e6	1080	8.4	1.12	bd
6	190628K2_6	50.0	1.57	NO	24.20	0.952	9.30e5	1.75e6	51.3	2.7	1.06	bd

Compound name: PCB-11

Response Factor: 1.09599

RRF SD: 0.0981502, Relative SD: 8.9554

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.73	NO	25.44	1.001	4.20e3	1.80e6	0.213	-14.8	0.934	MM
2	190628K2_2	1.00	1.49	NO	25.46	1.001	1.84e4	1.77e6	0.953	-4.7	1.04	bb
3	190628K2_3	2.50	1.60	NO	25.46	1.001	4.55e4	1.68e6	2.47	-1.1	1.08	db
4	190628K2_4	400	1.57	NO	25.45	1.001	9.69e6	2.06e6	430	7.5	1.18	db
5	190628K2_5	1000	1.57	NO	25.45	1.001	2.57e7	2.15e6	1090	9.3	1.20	db
6	190628K2_6	50.0	1.60	NO	25.44	1.001	9.97e5	1.75e6	51.9	3.8	1.14	db

Compound name: PCB-12/13

Response Factor: 1.03706

RRF SD: 0.0681119, Relative SD: 6.56777

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.41	NO	25.82	1.016	8.77e3	1.80e6	0.471	-5.9	0.976	MM
2	190628K2_2	2.00	1.65	NO	25.89	1.018	3.41e4	1.77e6	1.86	-7.0	0.964	MM

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-12/13

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	5.00	1.54	NO	25.89	1.018	8.38e4	1.68e6	4.81	-3.8	0.998	MM
4	190628K2_4	800	1.55	NO	25.82	1.015	1.81e7	2.06e6	850	6.2	1.10	MM
5	190628K2_5	2000	1.55	NO	25.82	1.015	4.84e7	2.15e6	2170	8.7	1.13	MM
6	190628K2_6	100	1.57	NO	25.82	1.016	1.85e6	1.75e6	102	1.8	1.06	MM

Compound name: PCB-15

Response Factor: 1.0284

RRF SD: 0.103835, Relative SD: 10.0967

Response type: Internal Std (Ref 173), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.35	NO	26.17	1.030	4.02e3	1.80e6	0.217	-13.1	0.894	MM
2	190628K2_2	1.00	1.62	NO	26.18	1.030	1.64e4	1.77e6	0.903	-9.7	0.929	MM
3	190628K2_3	2.50	1.64	NO	26.18	1.029	4.24e4	1.68e6	2.46	-1.7	1.01	MM
4	190628K2_4	400	1.57	NO	26.17	1.029	9.30e6	2.06e6	440	9.9	1.13	MM
5	190628K2_5	1000	1.56	NO	26.18	1.030	2.46e7	2.15e6	1120	11.6	1.15	MM
6	190628K2_6	50.0	1.57	NO	26.17	1.030	9.28e5	1.75e6	51.5	3.0	1.06	MM

Compound name: PCB-19

Response Factor: 0.934219

RRF SD: 0.0568098, Relative SD: 6.08099

Response type: Internal Std (Ref 174), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.03	NO	24.39	1.001	2.54e3	1.20e6	0.226	-9.5	0.845	bb
2	190628K2_2	1.00	0.96	NO	24.40	1.001	1.07e4	1.17e6	0.977	-2.3	0.913	bb
3	190628K2_3	2.50	1.02	NO	24.40	1.001	2.57e4	1.12e6	2.45	-2.1	0.915	bb
4	190628K2_4	400	0.97	NO	24.40	1.001	5.18e6	1.34e6	415	3.7	0.968	bb
5	190628K2_5	1000	0.96	NO	24.40	1.001	1.36e7	1.34e6	1080	8.2	1.01	bb
6	190628K2_6	50.0	0.99	NO	24.39	1.001	5.50e5	1.15e6	51.0	2.0	0.953	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-30

Response Factor: 1.48089

RRF SD: 0.0920808, Relative SD: 6.21795

Response type: Internal Std (Ref 174), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	1.01	NO	25.32	1.039	4.16e3	1.20e6	0.234	-6.6	1.38	MM
190628K2_2	1.00	0.96	NO	25.33	1.039	1.65e4	1.17e6	0.952	-4.8	1.41	bb
190628K2_3	2.50	0.97	NO	25.33	1.039	4.02e4	1.12e6	2.42	-3.3	1.43	bb
190628K2_4	400	0.96	NO	25.32	1.038	8.23e6	1.34e6	415	3.8	1.54	bb
190628K2_5	1000	0.97	NO	25.32	1.038	2.19e7	1.34e6	1100	10.0	1.63	bb
190628K2_6	50.0	0.97	NO	25.32	1.039	8.62e5	1.15e6	50.4	0.8	1.49	bb

Compound name: PCB-18

Response Factor: 0.69301

RRF SD: 0.0348573, Relative SD: 5.02985

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	0.98	NO	26.09	0.952	2.67e3	1.69e6	0.228	-8.8	0.632	bb
190628K2_2	1.00	0.95	NO	26.10	0.953	1.12e4	1.64e6	0.988	-1.2	0.684	bb
190628K2_3	2.50	0.99	NO	26.10	0.953	2.70e4	1.57e6	2.49	-0.5	0.689	bd
190628K2_4	400	0.96	NO	26.09	0.952	5.58e6	1.94e6	416	4.1	0.721	bd
190628K2_5	1000	0.96	NO	26.10	0.953	1.47e7	2.02e6	1050	5.5	0.731	bd
190628K2_6	50.0	0.98	NO	26.09	0.952	5.77e5	1.65e6	50.5	1.0	0.700	bd

Compound name: PCB-17

Response Factor: 0.666881

RRF SD: 0.0267585, Relative SD: 4.01249

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	1.09	NO	26.27	0.959	2.93e3	1.69e6	0.261	4.3	0.695	bb
190628K2_2	1.00	1.01	NO	26.28	0.959	1.03e4	1.64e6	0.942	-5.8	0.628	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-17

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.96	NO	26.28	0.959	2.52e4	1.57e6	2.41	-3.5	0.643	db
4	190628K2_4	400	0.97	NO	26.27	0.959	5.27e6	1.94e6	409	2.1	0.681	db
5	190628K2_5	1000	0.96	NO	26.27	0.959	1.39e7	2.02e6	1030	3.4	0.689	db
6	190628K2_6	50.0	0.97	NO	26.26	0.959	5.47e5	1.65e6	49.8	-0.5	0.664	db

Compound name: PCB-24/27

Response Factor: 0.914605

RRF SD: 0.0431702, Relative SD: 4.7201

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.90	NO	26.87	0.981	7.16e3	1.69e6	0.464	-7.1	0.850	MM
2	190628K2_2	2.00	0.96	NO	26.87	0.981	2.95e4	1.64e6	1.97	-1.5	0.901	bb
3	190628K2_3	5.00	0.95	NO	26.88	0.981	6.97e4	1.57e6	4.86	-2.9	0.888	bb
4	190628K2_4	800	0.98	NO	26.87	0.981	1.48e7	1.94e6	836	4.5	0.956	bb
5	190628K2_5	2000	0.97	NO	26.87	0.981	3.88e7	2.02e6	2100	5.2	0.962	bb
6	190628K2_6	100	0.97	NO	26.86	0.981	1.53e6	1.65e6	102	1.7	0.930	bb

Compound name: PCB-16/32

Response Factor: 0.792346

RRF SD: 0.0296842, Relative SD: 3.74637

Response type: Internal Std (Ref 175), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.97	NO	27.41	1.001	6.44e3	1.69e6	0.482	-3.7	0.763	bb
2	190628K2_2	2.00	0.94	NO	27.42	1.001	2.49e4	1.64e6	1.92	-4.1	0.760	bb
3	190628K2_3	5.00	0.96	NO	27.42	1.001	6.11e4	1.57e6	4.91	-1.8	0.778	bb
4	190628K2_4	800	0.96	NO	27.41	1.001	1.28e7	1.94e6	832	4.0	0.824	bb
5	190628K2_5	2000	0.96	NO	27.41	1.000	3.34e7	2.02e6	2090	4.4	0.827	bb
6	190628K2_6	100	0.96	NO	27.41	1.001	1.32e6	1.65e6	101	1.2	0.802	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-34

Response Factor: 0.987386

RRF SD: 0.031487, Relative SD: 3.18892

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
190628K2_1	0.250	1.12	NO	28.24	0.960	3.83e3	1.52e6	0.255	1.8	1.01	bd
190628K2_2	1.00	0.97	NO	28.24	0.960	1.52e4	1.57e6	0.981	-1.9	0.968	bd
190628K2_3	2.50	1.04	NO	28.24	0.960	3.75e4	1.54e6	2.47	-1.2	0.975	bd
190628K2_4	400	1.02	NO	28.24	0.960	7.26e6	1.79e6	411	2.6	1.01	bd
190628K2_5	1000	1.03	NO	28.24	0.960	1.90e7	1.86e6	1040	3.5	1.02	bd
190628K2_6	50.0	1.04	NO	28.22	0.960	7.84e5	1.67e6	47.6	-4.8	0.940	bd

Compound name: PCB-23

Response Factor: 0.97397

RRF SD: 0.103081, Relative SD: 10.5836

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
190628K2_1	0.250	1.00	NO	28.31	0.963	3.62e3	1.52e6	0.244	-2.3	0.951	db
190628K2_2	1.00	1.10	NO	28.33	0.963	1.38e4	1.57e6	0.902	-9.8	0.878	db
190628K2_3	2.50	1.04	NO	28.33	0.963	3.41e4	1.54e6	2.28	-8.9	0.887	db
190628K2_4	400	1.05	NO	28.33	0.963	7.69e6	1.79e6	441	10.3	1.07	db
190628K2_5	1000	1.05	NO	28.33	0.963	2.10e7	1.86e6	1160	15.7	1.13	db
190628K2_6	50.0	1.05	NO	28.33	0.963	7.73e5	1.67e6	47.5	-4.9	0.926	db

Compound name: PCB-29

Response Factor: 0.953489

RRF SD: 0.0694569, Relative SD: 7.2845

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
190628K2_1	0.250	1.17	NO	28.57	0.971	3.72e3	1.52e6	0.256	2.5	0.977	bb
190628K2_2	1.00	1.02	NO	28.59	0.972	1.39e4	1.57e6	0.926	-7.4	0.882	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-29

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.06	NO	28.59	0.972	3.44e4	1.54e6	2.35	-6.1	0.895	bd
4	190628K2_4	400	1.04	NO	28.59	0.972	7.32e6	1.79e6	429	7.3	1.02	bd
5	190628K2_5	1000	1.03	NO	28.59	0.971	1.94e7	1.86e6	1090	9.2	1.04	bd
6	190628K2_6	50.0	1.04	NO	28.57	0.971	7.53e5	1.67e6	47.3	-5.4	0.902	bd

Compound name: PCB-26

Response Factor: 1.00101

RRF SD: 0.0777576, Relative SD: 7.76791

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.17	NO	28.79	0.979	3.56e3	1.52e6	0.234	-6.5	0.936	bd
2	190628K2_2	1.00	1.00	NO	28.81	0.979	1.53e4	1.57e6	0.971	-2.9	0.972	bd
3	190628K2_3	2.50	1.05	NO	28.81	0.979	3.58e4	1.54e6	2.33	-6.9	0.932	dd
4	190628K2_4	400	1.04	NO	28.79	0.979	7.76e6	1.79e6	433	8.3	1.08	dd
5	190628K2_5	1000	1.04	NO	28.79	0.979	2.07e7	1.86e6	1110	11.2	1.11	dd
6	190628K2_6	50.0	1.03	NO	28.79	0.979	8.09e5	1.67e6	48.4	-3.1	0.970	dd

Compound name: PCB-25

Response Factor: 0.977946

RRF SD: 0.0922085, Relative SD: 9.4288

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.95	NO	28.96	0.985	3.30e3	1.52e6	0.221	-11.5	0.865	db
2	190628K2_2	1.00	1.02	NO	28.98	0.985	1.46e4	1.57e6	0.949	-5.1	0.928	MM
3	190628K2_3	2.50	1.04	NO	28.98	0.985	3.65e4	1.54e6	2.43	-2.8	0.951	db
4	190628K2_4	400	1.04	NO	28.96	0.984	7.69e6	1.79e6	439	9.8	1.07	db
5	190628K2_5	1000	1.04	NO	28.96	0.984	2.06e7	1.86e6	1130	13.1	1.11	db
6	190628K2_6	50.0	1.05	NO	28.96	0.985	7.89e5	1.67e6	48.3	-3.4	0.945	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-31

Response Factor: 1.12319

RRF SD: 0.0951643, Relative SD: 8.47271

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.16	NO	29.33	0.997	4.08e3	1.52e6	0.239	-4.6	1.07	MM
2	190628K2_2	1.00	1.05	NO	29.33	0.997	1.62e4	1.57e6	0.919	-8.1	1.03	bd
3	190628K2_3	2.50	1.01	NO	29.35	0.997	4.02e4	1.54e6	2.33	-6.7	1.05	bd
4	190628K2_4	400	1.03	NO	29.33	0.997	8.82e6	1.79e6	439	9.7	1.23	bd
5	190628K2_5	1000	1.03	NO	29.33	0.997	2.33e7	1.86e6	1110	11.4	1.25	bd
6	190628K2_6	50.0	1.03	NO	29.33	0.997	9.21e5	1.67e6	49.1	-1.8	1.10	bd

Compound name: PCB-28

Response Factor: 1.10587

RRF SD: 0.0819508, Relative SD: 7.41051

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.02	NO	29.44	1.001	3.86e3	1.52e6	0.229	-8.4	1.01	MM
2	190628K2_2	1.00	1.03	NO	29.44	1.001	1.74e4	1.57e6	1.00	0.3	1.11	db
3	190628K2_3	2.50	1.06	NO	29.44	1.001	4.19e4	1.54e6	2.46	-1.5	1.09	db
4	190628K2_4	400	1.04	NO	29.44	1.001	8.45e6	1.79e6	427	6.7	1.18	db
5	190628K2_5	1000	1.04	NO	29.44	1.001	2.27e7	1.86e6	1100	10.2	1.22	db
6	190628K2_6	50.0	1.03	NO	29.44	1.001	8.56e5	1.67e6	46.4	-7.3	1.03	db

Compound name: PCB-20/21/33

Response Factor: 1.00346

RRF SD: 0.0927839, Relative SD: 9.24643

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.750	1.06	NO	30.08	1.023	1.08e4	1.52e6	0.706	-5.9	0.944	bb
2	190628K2_2	3.00	1.08	NO	30.08	1.022	4.39e4	1.57e6	2.79	-7.1	0.932	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-20/21/33

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	7.50	1.07	NO	30.08	1.022	1.09e5	1.54e6	7.07	-5.8	0.945	MM
4	190628K2_4	1200	1.04	NO	30.08	1.022	2.37e7	1.79e6	1320	9.7	1.10	bb
5	190628K2_5	3000	1.04	NO	30.08	1.022	6.38e7	1.86e6	3410	13.8	1.14	bb
6	190628K2_6	150	1.03	NO	30.08	1.023	2.39e6	1.67e6	143	-4.7	0.956	bb

Compound name: PCB-22

Response Factor: 1.03295

RRF SD: 0.101221, Relative SD: 9.79924

Response type: Internal Std (Ref 176), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.93	NO	30.54	1.039	3.49e3	1.52e6	0.221	-11.4	0.915	MM
2	190628K2_2	1.00	1.07	NO	30.54	1.038	1.53e4	1.57e6	0.944	-5.6	0.975	bb
3	190628K2_3	2.50	1.02	NO	30.54	1.038	3.75e4	1.54e6	2.36	-5.5	0.976	MM
4	190628K2_4	400	1.03	NO	30.54	1.038	8.17e6	1.79e6	442	10.4	1.14	bb
5	190628K2_5	1000	1.05	NO	30.54	1.038	2.18e7	1.86e6	1130	13.3	1.17	bb
6	190628K2_6	50.0	1.05	NO	30.54	1.039	8.52e5	1.67e6	49.4	-1.1	1.02	bb

Compound name: PCB-36

Response Factor: 1.17712

RRF SD: 0.0727198, Relative SD: 6.17776

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.08	NO	31.18	0.933	4.28e3	1.43e6	0.254	1.5	1.19	MM
2	190628K2_2	1.00	0.97	NO	31.18	0.932	1.46e4	1.38e6	0.898	-10.2	1.06	bb
3	190628K2_3	2.50	0.99	NO	31.18	0.932	3.73e4	1.33e6	2.39	-4.4	1.13	MM
4	190628K2_4	400	1.04	NO	31.18	0.933	8.21e6	1.67e6	419	4.7	1.23	bb
5	190628K2_5	1000	1.03	NO	31.18	0.933	2.20e7	1.76e6	1060	6.2	1.25	MM
6	190628K2_6	50.0	1.03	NO	31.18	0.933	8.45e5	1.40e6	51.1	2.3	1.20	MM

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-39

Response Factor: 1.08448

RRF SD: 0.0705883, Relative SD: 6.50897

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.10	NO	31.66	0.947	3.55e3	1.43e6	0.228	-8.7	0.990	bb
2	190628K2_2	1.00	1.01	NO	31.68	0.947	1.45e4	1.38e6	0.965	-3.5	1.05	bb
3	190628K2_3	2.50	1.08	NO	31.68	0.947	3.44e4	1.33e6	2.39	-4.5	1.04	MM
4	190628K2_4	400	1.04	NO	31.66	0.947	7.60e6	1.67e6	421	5.2	1.14	bb
5	190628K2_5	1000	1.03	NO	31.66	0.947	2.06e7	1.76e6	1080	8.0	1.17	MM
6	190628K2_6	50.0	1.03	NO	31.66	0.947	7.88e5	1.40e6	51.8	3.5	1.12	MM

Compound name: PCB-38

Response Factor: 1.1287

RRF SD: 0.110832, Relative SD: 9.81944

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.98	NO	32.46	0.971	3.29e3	1.43e6	0.203	-18.6	0.919	MM
2	190628K2_2	1.00	1.07	NO	32.48	0.971	1.55e4	1.38e6	0.991	-0.9	1.12	MM
3	190628K2_3	2.50	1.08	NO	32.48	0.971	3.76e4	1.33e6	2.51	0.4	1.13	dd
4	190628K2_4	400	1.05	NO	32.46	0.971	8.05e6	1.67e6	428	7.0	1.21	dd
5	190628K2_5	1000	1.03	NO	32.46	0.971	2.16e7	1.76e6	1090	8.6	1.23	bd
6	190628K2_6	50.0	1.04	NO	32.46	0.971	8.20e5	1.40e6	51.8	3.5	1.17	MM

Compound name: PCB-35

Response Factor: 1.13247

RRF SD: 0.0972119, Relative SD: 8.58404

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.03	NO	33.00	0.987	3.61e3	1.43e6	0.222	-11.0	1.01	MM
2	190628K2_2	1.00	1.00	NO	33.02	0.987	1.44e4	1.38e6	0.922	-7.8	1.04	MM

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-35

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_3	2.50	1.10	NO	33.02	0.987	3.72e4	1.33e6	2.48	-0.9	1.12	MM
190628K2_4	400	1.04	NO	33.00	0.987	8.16e6	1.67e6	433	8.2	1.23	db
190628K2_5	1000	1.03	NO	33.00	0.987	2.21e7	1.76e6	1110	10.9	1.26	MM
190628K2_6	50.0	1.03	NO	33.00	0.987	8.00e5	1.40e6	50.3	0.7	1.14	MM

Compound name: PCB-37

Response Factor: 1.10639

RRF SD: 0.0811027, Relative SD: 7.33041

Response type: Internal Std (Ref 177), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	1.18	NO	33.45	1.001	3.59e3	1.43e6	0.226	-9.5	1.00	MM
190628K2_2	1.00	1.05	NO	33.47	1.001	1.43e4	1.38e6	0.934	-6.6	1.03	MM
190628K2_3	2.50	1.01	NO	33.46	1.001	3.61e4	1.33e6	2.46	-1.6	1.09	MM
190628K2_4	400	1.03	NO	33.45	1.001	7.82e6	1.67e6	424	6.1	1.17	MM
190628K2_5	1000	1.02	NO	33.47	1.001	2.13e7	1.76e6	1100	9.6	1.21	MM
190628K2_6	50.0	1.03	NO	33.45	1.000	7.92e5	1.40e6	51.0	2.0	1.13	MM

Compound name: PCB-54

Response Factor: 0.995679

RRF SD: 0.0664001, Relative SD: 6.66883

Response type: Internal Std (Ref 178), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	0.250	0.79	NO	28.27	1.001	3.20e3	1.40e6	0.229	-8.4	0.912	bb
190628K2_2	1.00	0.74	NO	28.29	1.001	1.27e4	1.36e6	0.936	-6.4	0.932	bb
190628K2_3	2.50	0.79	NO	28.29	1.001	3.24e4	1.32e6	2.47	-1.1	0.984	bb
190628K2_4	400	0.74	NO	28.27	1.001	6.68e6	1.58e6	424	5.9	1.05	bb
190628K2_5	1000	0.74	NO	28.27	1.001	1.74e7	1.61e6	1080	8.4	1.08	bb
190628K2_6	50.0	0.73	NO	28.27	1.001	6.93e5	1.37e6	50.8	1.7	1.01	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-50

Response Factor: 0.781202

RRF SD: 0.0775047, Relative SD: 9.92121

Response type: Internal Std (Ref 178), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.66	NO	29.48	1.043	2.28e3	1.40e6	0.208	-16.8	0.650	MM
2	190628K2_2	1.00	0.68	NO	29.50	1.044	1.05e4	1.36e6	0.989	-1.1	0.773	bb
3	190628K2_3	2.50	0.67	NO	29.50	1.044	2.49e4	1.32e6	2.42	-3.3	0.756	bb
4	190628K2_4	400	0.74	NO	29.48	1.043	5.33e6	1.58e6	431	7.6	0.841	bb
5	190628K2_5	1000	0.73	NO	29.48	1.043	1.41e7	1.61e6	1120	11.8	0.873	bb
6	190628K2_6	50.0	0.73	NO	29.48	1.043	5.43e5	1.37e6	50.8	1.6	0.794	bb

Compound name: PCB-53

Response Factor: 0.955008

RRF SD: 0.0614164, Relative SD: 6.43098

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.73	NO	30.15	0.945	2.37e3	1.07e6	0.232	-7.3	0.885	bb
2	190628K2_2	1.00	0.76	NO	30.17	0.945	9.52e3	1.04e6	0.959	-4.1	0.916	bb
3	190628K2_3	2.50	0.68	NO	30.17	0.945	2.32e4	1.02e6	2.39	-4.2	0.915	bb
4	190628K2_4	400	0.74	NO	30.15	0.945	4.94e6	1.23e6	420	4.9	1.00	bb
5	190628K2_5	1000	0.73	NO	30.15	0.945	1.31e7	1.25e6	1100	9.6	1.05	bb
6	190628K2_6	50.0	0.74	NO	30.15	0.945	5.05e5	1.05e6	50.5	1.1	0.965	bb

Compound name: PCB-51

Response Factor: 1.02351

RRF SD: 0.0633167, Relative SD: 6.18623

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.66	NO	30.51	0.956	2.48e3	1.07e6	0.227	-9.4	0.927	MM
2	190628K2_2	1.00	0.66	NO	30.52	0.956	1.04e4	1.04e6	0.981	-1.9	1.00	bb

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Compound name: PCB-51

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.67	NO	30.52	0.956	2.52e4	1.02e6	2.42	-3.1	0.992	bb
4	190628K2_4	400	0.73	NO	30.51	0.956	5.22e6	1.23e6	413	3.4	1.06	bb
5	190628K2_5	1000	0.73	NO	30.51	0.956	1.39e7	1.25e6	1090	8.5	1.11	bb
6	190628K2_6	50.0	0.74	NO	30.51	0.956	5.49e5	1.05e6	51.2	2.5	1.05	bb

Compound name: PCB-45

Response Factor: 0.807911

RRF SD: 0.0407904, Relative SD: 5.04887

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.66	NO	30.95	0.970	2.12e3	1.07e6	0.245	-2.1	0.791	MM
2	190628K2_2	1.00	0.73	NO	30.97	0.970	7.77e3	1.04e6	0.925	-7.5	0.748	bb
3	190628K2_3	2.50	0.75	NO	30.97	0.970	2.00e4	1.02e6	2.44	-2.5	0.788	bb
4	190628K2_4	400	0.74	NO	30.95	0.970	4.13e6	1.23e6	415	3.7	0.838	bb
5	190628K2_5	1000	0.73	NO	30.95	0.970	1.08e7	1.25e6	1070	6.6	0.862	bb
6	190628K2_6	50.0	0.73	NO	30.95	0.970	4.30e5	1.05e6	50.9	1.7	0.822	bb

Compound name: PCB-46

Response Factor: 0.753501

RRF SD: 0.0632692, Relative SD: 8.39669

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.75	NO	31.45	0.985	1.71e3	1.07e6	0.212	-15.4	0.637	bb
2	190628K2_2	1.00	0.73	NO	31.47	0.985	7.76e3	1.04e6	0.991	-0.9	0.746	bb
3	190628K2_3	2.50	0.75	NO	31.47	0.985	1.90e4	1.02e6	2.49	-0.6	0.749	bb
4	190628K2_4	400	0.74	NO	31.47	0.986	3.91e6	1.23e6	421	5.3	0.794	bb
5	190628K2_5	1000	0.73	NO	31.47	0.986	1.02e7	1.25e6	1090	8.9	0.820	bb
6	190628K2_6	50.0	0.72	NO	31.45	0.985	4.05e5	1.05e6	51.4	2.7	0.774	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-52/69

Response Factor: 1.09173

RRF SD: 0.0899407, Relative SD: 8.23834

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.75	NO	31.96	1.001	5.35e3	1.07e6	0.458	-8.5	0.999	bd
2	190628K2_2	2.00	0.77	NO	31.98	1.001	2.09e4	1.04e6	1.84	-7.9	1.01	bd
3	190628K2_3	5.00	0.71	NO	31.98	1.001	5.25e4	1.02e6	4.73	-5.3	1.03	bd
4	190628K2_4	800	0.74	NO	31.96	1.001	1.15e7	1.23e6	852	6.5	1.16	bd
5	190628K2_5	2000	0.73	NO	31.96	1.001	3.02e7	1.25e6	2210	10.7	1.21	bd
6	190628K2_6	100	0.73	NO	31.96	1.001	1.19e6	1.05e6	105	4.6	1.14	MM

Compound name: PCB-73

Response Factor: 1.2893

RRF SD: 0.068651, Relative SD: 5.32466

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.73	NO	32.07	1.005	3.17e3	1.07e6	0.230	-8.0	1.19	dd
2	190628K2_2	1.00	0.73	NO	32.09	1.005	1.32e4	1.04e6	0.985	-1.5	1.27	dd
3	190628K2_3	2.50	0.72	NO	32.09	1.005	3.30e4	1.02e6	2.52	0.8	1.30	dd
4	190628K2_4	400	0.74	NO	32.09	1.005	6.50e6	1.23e6	409	2.3	1.32	dd
5	190628K2_5	1000	0.73	NO	32.09	1.005	1.74e7	1.25e6	1080	8.1	1.39	dd
6	190628K2_6	50.0	0.73	NO	32.07	1.005	6.64e5	1.05e6	49.2	-1.7	1.27	dd

Compound name: PCB-43/49

Response Factor: 0.940031

RRF SD: 0.058647, Relative SD: 6.23884

Response type: Internal Std (Ref 179), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.67	NO	32.26	1.010	4.70e3	1.07e6	0.467	-6.6	0.878	MM
2	190628K2_2	2.00	0.68	NO	32.26	1.010	1.87e4	1.04e6	1.91	-4.4	0.899	dd

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Compound name: PCB-43/49

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	5.00	0.73	NO	32.26	1.010	4.56e4	1.02e6	4.78	-4.5	0.898	dd
4	190628K2_4	800	0.73	NO	32.26	1.010	9.70e6	1.23e6	837	4.6	0.984	dd
5	190628K2_5	2000	0.72	NO	32.26	1.010	2.57e7	1.25e6	2190	9.4	1.03	db
6	190628K2_6	100	0.73	NO	32.26	1.010	9.97e5	1.05e6	101	1.3	0.953	dd

Compound name: PCB-47

Response Factor: 0.868678

RRF SD: 0.0634962, Relative SD: 7.30951

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.67	NO	32.48	1.001	2.51e3	1.14e6	0.254	1.6	0.882	MM
2	190628K2_2	1.00	0.69	NO	32.48	1.001	8.63e3	1.09e6	0.910	-9.0	0.791	dd
3	190628K2_3	2.50	0.73	NO	32.48	1.001	2.07e4	1.05e6	2.26	-9.4	0.787	dd
4	190628K2_4	400	0.73	NO	32.46	1.001	4.78e6	1.31e6	422	5.5	0.916	dd
5	190628K2_5	1000	0.71	NO	32.48	1.001	1.26e7	1.37e6	1060	6.1	0.922	bd
6	190628K2_6	50.0	0.72	NO	32.46	1.001	5.03e5	1.10e6	52.6	5.3	0.914	dd

Compound name: PCB-48/75

Response Factor: 1.02436

RRF SD: 0.066255, Relative SD: 6.46797

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.69	NO	32.57	1.004	5.30e3	1.14e6	0.454	-9.2	0.931	MM
2	190628K2_2	2.00	0.71	NO	32.59	1.004	2.10e4	1.09e6	1.88	-6.1	0.962	db
3	190628K2_3	5.00	0.70	NO	32.59	1.004	5.45e4	1.05e6	5.07	1.3	1.04	db
4	190628K2_4	800	0.73	NO	32.59	1.005	1.13e7	1.31e6	844	5.5	1.08	db
5	190628K2_5	2000	0.73	NO	32.59	1.005	3.01e7	1.37e6	2150	7.4	1.10	db
6	190628K2_6	100	0.73	NO	32.57	1.004	1.14e6	1.10e6	101	0.9	1.03	db

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Compound name: PCB-65

Response Factor: 1.10841

RRF SD: 0.0667228, Relative SD: 6.01968

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.75	NO	32.85	1.013	2.77e3	1.14e6	0.220	-12.1	0.975	bd
2	190628K2_2	1.00	0.76	NO	32.87	1.013	1.22e4	1.09e6	1.00	0.5	1.11	bd
3	190628K2_3	2.50	0.71	NO	32.87	1.013	3.00e4	1.05e6	2.57	2.9	1.14	bd
4	190628K2_4	400	0.74	NO	32.85	1.013	5.93e6	1.31e6	410	2.5	1.14	bd
5	190628K2_5	1000	0.74	NO	32.87	1.013	1.55e7	1.37e6	1020	2.2	1.13	bd
6	190628K2_6	50.0	0.72	NO	32.85	1.013	6.33e5	1.10e6	51.9	3.9	1.15	bd

Compound name: PCB-62

Response Factor: 1.06501

RRF SD: 0.0827847, Relative SD: 7.77311

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.78	NO	32.96	1.016	2.82e3	1.14e6	0.233	-7.0	0.991	dd
2	190628K2_2	1.00	0.77	NO	32.98	1.016	1.11e4	1.09e6	0.953	-4.7	1.01	db
3	190628K2_3	2.50	0.74	NO	32.98	1.016	2.56e4	1.05e6	2.29	-8.3	0.977	dd
4	190628K2_4	400	0.74	NO	32.96	1.016	5.99e6	1.31e6	431	7.8	1.15	dd
5	190628K2_5	1000	0.74	NO	32.96	1.016	1.60e7	1.37e6	1100	9.8	1.17	dd
6	190628K2_6	50.0	0.73	NO	32.96	1.016	5.99e5	1.10e6	51.2	2.3	1.09	dd

Compound name: PCB-44

Response Factor: 0.760908

RRF SD: 0.0302402, Relative SD: 3.97423

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.88	NO	33.30	1.026	2.12e3	1.14e6	0.244	-2.3	0.743	MM
2	190628K2_2	1.00	0.72	NO	33.30	1.026	7.80e3	1.09e6	0.940	-6.0	0.715	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-44

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.75	NO	33.30	1.026	1.97e4	1.05e6	2.47	-1.2	0.751	db
4	190628K2_4	400	0.74	NO	33.30	1.026	4.10e6	1.31e6	413	3.2	0.785	dd
5	190628K2_5	1000	0.74	NO	33.30	1.026	1.09e7	1.37e6	1050	4.8	0.797	dd
6	190628K2_6	50.0	0.73	NO	33.28	1.026	4.25e5	1.10e6	50.8	1.6	0.773	db

Compound name: PCB-42/59

Response Factor: 0.960007

RRF SD: 0.0903412, Relative SD: 9.41048

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.75	NO	33.52	1.033	4.53e3	1.14e6	0.414	-17.2	0.795	db
2	190628K2_2	2.00	0.73	NO	33.54	1.033	2.05e4	1.09e6	1.96	-2.0	0.941	bb
3	190628K2_3	5.00	0.71	NO	33.54	1.033	5.05e4	1.05e6	5.01	0.2	0.962	bb
4	190628K2_4	800	0.74	NO	33.52	1.033	1.07e7	1.31e6	855	6.8	1.03	db
5	190628K2_5	2000	0.73	NO	33.52	1.033	2.87e7	1.37e6	2190	9.4	1.05	db
6	190628K2_6	100	0.72	NO	33.52	1.033	1.08e6	1.10e6	103	2.7	0.986	bb

Compound name: PCB-41/64/71/72

Response Factor: 1.08179

RRF SD: 0.0879965, Relative SD: 8.13432

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	1.00	0.76	NO	34.13	1.052	1.07e4	1.14e6	0.871	-12.9	0.942	bd
2	190628K2_2	4.00	0.74	NO	34.13	1.052	4.46e4	1.09e6	3.78	-5.5	1.02	bd
3	190628K2_3	10.0	0.73	NO	34.13	1.052	1.14e5	1.05e6	10.0	0.1	1.08	bd
4	190628K2_4	1600	0.74	NO	34.13	1.052	2.42e7	1.31e6	1710	6.9	1.16	bb
5	190628K2_5	4000	0.73	NO	34.13	1.052	6.44e7	1.37e6	4360	9.0	1.18	bb
6	190628K2_6	200	0.74	NO	34.13	1.052	2.44e6	1.10e6	205	2.5	1.11	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-68

Response Factor: 1.10853

RRF SD: 0.0810855, Relative SD: 7.31468

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.71	NO	34.40	1.060	2.79e3	1.14e6	0.221	-11.5	0.981	MM
2	190628K2_2	1.00	0.76	NO	34.41	1.060	1.17e4	1.09e6	0.966	-3.4	1.07	dd
3	190628K2_3	2.50	0.71	NO	34.41	1.060	2.81e4	1.05e6	2.42	-3.3	1.07	dd
4	190628K2_4	400	0.73	NO	34.40	1.060	6.17e6	1.31e6	426	6.6	1.18	bd
5	190628K2_5	1000	0.74	NO	34.40	1.060	1.62e7	1.37e6	1070	6.9	1.18	bd
6	190628K2_6	50.0	0.73	NO	34.40	1.060	6.38e5	1.10e6	52.4	4.7	1.16	dd

Compound name: PCB-40

Response Factor: 0.576632

RRF SD: 0.0227461, Relative SD: 3.94465

Response type: Internal Std (Ref 180), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.70	NO	34.62	1.067	1.69e3	1.14e6	0.257	2.7	0.592	MM
2	190628K2_2	1.00	0.68	NO	34.64	1.067	5.79e3	1.09e6	0.921	-7.9	0.531	db
3	190628K2_3	2.50	0.74	NO	34.64	1.067	1.52e4	1.05e6	2.51	0.4	0.579	db
4	190628K2_4	400	0.73	NO	34.62	1.067	3.06e6	1.31e6	406	1.5	0.585	db
5	190628K2_5	1000	0.74	NO	34.62	1.067	8.01e6	1.37e6	1020	1.6	0.586	db
6	190628K2_6	50.0	0.73	NO	34.62	1.067	3.22e5	1.10e6	50.8	1.7	0.586	db

Compound name: PCB-57

Response Factor: 1.04788

RRF SD: 0.0809961, Relative SD: 7.72955

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.71	NO	34.99	0.970	2.89e3	1.27e6	0.217	-13.0	0.911	bb
2	190628K2_2	1.00	0.75	NO	35.01	0.970	1.23e4	1.22e6	0.962	-3.8	1.01	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-57

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.73	NO	35.01	0.970	3.06e4	1.18e6	2.47	-1.3	1.03	bb
4	190628K2_4	400	0.74	NO	34.99	0.970	6.57e6	1.49e6	420	5.1	1.10	bb
5	190628K2_5	1000	0.74	NO	34.99	0.970	1.77e7	1.56e6	1080	7.8	1.13	bb
6	190628K2_6	50.0	0.72	NO	34.99	0.970	6.82e5	1.24e6	52.6	5.2	1.10	bb

Compound name: PCB-67

Response Factor: 0.992916

RRF SD: 0.0717571, Relative SD: 7.2269

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.66	NO	35.31	0.978	2.75e3	1.27e6	0.218	-12.6	0.868	bd
2	190628K2_2	1.00	0.77	NO	35.33	0.979	1.20e4	1.22e6	0.993	-0.7	0.986	bd
3	190628K2_3	2.50	0.74	NO	35.33	0.978	2.97e4	1.18e6	2.52	1.0	1.00	bd
4	190628K2_4	400	0.73	NO	35.31	0.978	6.00e6	1.49e6	405	1.2	1.00	bd
5	190628K2_5	1000	0.73	NO	35.31	0.978	1.71e7	1.56e6	1100	9.9	1.09	bd
6	190628K2_6	50.0	0.72	NO	35.31	0.978	6.21e5	1.24e6	50.6	1.2	1.00	bd

Compound name: PCB-58

Response Factor: 1.11217

RRF SD: 0.0467973, Relative SD: 4.20775

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.67	NO	35.44	0.982	3.49e3	1.27e6	0.248	-1.0	1.10	MM
2	190628K2_2	1.00	0.70	NO	35.44	0.982	1.25e4	1.22e6	0.925	-7.5	1.03	dd
3	190628K2_3	2.50	0.71	NO	35.44	0.981	3.31e4	1.18e6	2.51	0.5	1.12	dd
4	190628K2_4	400	0.74	NO	35.44	0.982	6.93e6	1.49e6	418	4.5	1.16	dd
5	190628K2_5	1000	0.74	NO	35.44	0.982	1.74e7	1.56e6	1000	0.2	1.11	dd
6	190628K2_6	50.0	0.74	NO	35.44	0.982	7.10e5	1.24e6	51.6	3.2	1.15	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-63

Response Factor: 0.961792

RRF SD: 0.0723112, Relative SD: 7.51838

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.68	NO	35.59	0.986	2.72e3	1.27e6	0.224	-10.6	0.860	MM
2	190628K2_2	1.00	0.70	NO	35.60	0.987	1.09e4	1.22e6	0.934	-6.6	0.898	db
3	190628K2_3	2.50	0.74	NO	35.60	0.986	2.79e4	1.18e6	2.45	-1.9	0.944	dd
4	190628K2_4	400	0.74	NO	35.59	0.986	6.04e6	1.49e6	421	5.2	1.01	db
5	190628K2_5	1000	0.74	NO	35.59	0.986	1.61e7	1.56e6	1070	7.4	1.03	db
6	190628K2_6	50.0	0.72	NO	35.59	0.986	6.33e5	1.24e6	53.2	6.4	1.02	db

Compound name: PCB-74

Response Factor: 1.06583

RRF SD: 0.0816242, Relative SD: 7.65827

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.71	NO	35.90	0.995	3.13e3	1.27e6	0.232	-7.3	0.988	bd
2	190628K2_2	1.00	0.83	NO	35.90	0.995	1.15e4	1.22e6	0.886	-11.4	0.944	MM
3	190628K2_3	2.50	0.76	NO	35.90	0.994	3.22e4	1.18e6	2.55	1.9	1.09	dd
4	190628K2_4	400	0.74	NO	35.88	0.994	6.70e6	1.49e6	422	5.4	1.12	bd
5	190628K2_5	1000	0.73	NO	35.88	0.994	1.80e7	1.56e6	1080	8.2	1.15	bd
6	190628K2_6	50.0	0.74	NO	35.88	0.994	6.80e5	1.24e6	51.6	3.2	1.10	bd

Compound name: PCB-61/70

Response Factor: 0.985643

RRF SD: 0.056601, Relative SD: 5.74254

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.81	NO	36.11	1.000	5.61e3	1.27e6	0.449	-10.1	0.886	MM
2	190628K2_2	2.00	0.72	NO	36.13	1.001	2.35e4	1.22e6	1.95	-2.3	0.963	MM

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Compound name: PCB-61/70

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	5.00	0.73	NO	36.13	1.001	5.82e4	1.18e6	4.99	-0.3	0.983	MM
4	190628K2_4	800	0.74	NO	36.03	0.998	1.22e7	1.49e6	831	3.9	1.02	MM
5	190628K2_5	2000	0.74	NO	36.03	0.998	3.26e7	1.56e6	2110	5.7	1.04	MM
6	190628K2_6	100	0.74	NO	36.11	1.000	1.26e6	1.24e6	103	3.1	1.02	MM

Compound name: PCB-76/66

Response Factor: 1.0661

RRF SD: 0.0763356, Relative SD: 7.16024

Response type: Internal Std (Ref 181), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.83	NO	36.33	1.007	6.00e3	1.27e6	0.444	-11.1	0.948	MM
2	190628K2_2	2.00	0.73	NO	36.29	1.006	2.50e4	1.22e6	1.92	-3.9	1.02	dd
3	190628K2_3	5.00	0.76	NO	36.28	1.005	6.17e4	1.18e6	4.89	-2.2	1.04	dd
4	190628K2_4	800	0.74	NO	36.31	1.006	1.34e7	1.49e6	845	5.6	1.13	dd
5	190628K2_5	2000	0.73	NO	36.31	1.006	3.61e7	1.56e6	2170	8.4	1.16	dd
6	190628K2_6	100	0.74	NO	36.28	1.005	1.36e6	1.24e6	103	3.2	1.10	dd

Compound name: PCB-80

Response Factor: 1.08392

RRF SD: 0.0649364, Relative SD: 5.99086

Response type: Internal Std (Ref 182), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.75	NO	36.55	1.000	3.23e3	1.31e6	0.227	-9.3	0.983	dd
2	190628K2_2	1.00	0.68	NO	36.55	1.001	1.33e4	1.25e6	0.981	-1.9	1.06	db
3	190628K2_3	2.50	0.76	NO	36.55	1.001	3.26e4	1.23e6	2.44	-2.5	1.06	dd
4	190628K2_4	400	0.74	NO	36.55	1.001	6.98e6	1.53e6	420	4.9	1.14	db
5	190628K2_5	1000	0.74	NO	36.55	1.000	1.88e7	1.61e6	1080	7.6	1.17	db
6	190628K2_6	50.0	0.75	NO	36.53	1.000	7.20e5	1.31e6	50.6	1.2	1.10	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-55

Response Factor: 1.06819

RRF SD: 0.100229, Relative SD: 9.38306

Response type: Internal Std (Ref 182), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.86	NO	36.89	1.010	3.03e3	1.31e6	0.216	-13.6	0.922	MM
2	190628K2_2	1.00	0.72	NO	36.89	1.010	1.26e4	1.25e6	0.939	-6.1	1.00	MM
3	190628K2_3	2.50	0.77	NO	36.89	1.010	3.19e4	1.23e6	2.42	-3.1	1.04	dd
4	190628K2_4	400	0.73	NO	36.87	1.010	7.08e6	1.53e6	432	8.1	1.15	bb
5	190628K2_5	1000	0.73	NO	36.87	1.009	1.92e7	1.61e6	1120	11.5	1.19	bb
6	190628K2_6	50.0	0.75	NO	36.87	1.010	7.23e5	1.31e6	51.6	3.2	1.10	dd

Compound name: PCB-56/60

Response Factor: 0.934354

RRF SD: 0.0390998, Relative SD: 4.18469

Response type: Internal Std (Ref 182), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.75	NO	37.39	1.023	5.86e3	1.31e6	0.478	-4.5	0.893	bb
2	190628K2_2	2.00	0.69	NO	37.39	1.023	2.28e4	1.25e6	1.95	-2.7	0.910	bb
3	190628K2_3	5.00	0.74	NO	37.39	1.023	5.58e4	1.23e6	4.84	-3.2	0.904	bd
4	190628K2_4	800	0.74	NO	37.39	1.024	1.19e7	1.53e6	831	3.8	0.970	bb
5	190628K2_5	2000	0.74	NO	37.39	1.023	3.19e7	1.61e6	2120	5.9	0.990	bb
6	190628K2_6	100	0.74	NO	37.39	1.024	1.23e6	1.31e6	101	0.6	0.940	bb

Compound name: PCB-79

Response Factor: 1.04488

RRF SD: 0.0597552, Relative SD: 5.71883

Response type: Internal Std (Ref 182), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.87	NO	38.49	1.054	3.42e3	1.31e6	0.249	-0.4	1.04	MM
2	190628K2_2	1.00	0.73	NO	38.51	1.054	1.19e4	1.25e6	0.910	-9.0	0.951	bb

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Compound name: PCB-79

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3 190628K2_3	2.50	0.71	NO	38.51	1.054	3.19e4	1.23e6	2.47	-1.1	1.03	MM
4 190628K2_4	400	0.74	NO	38.49	1.054	6.73e6	1.53e6	420	5.0	1.10	bb
5 190628K2_5	1000	0.75	NO	38.49	1.054	1.81e7	1.61e6	1070	7.3	1.12	MM
6 190628K2_6	50.0	0.74	NO	38.49	1.054	6.73e5	1.31e6	49.1	-1.8	1.03	MM

Compound name: PCB-78

Response Factor: 1.03197

RRF SD: 0.0850665, Relative SD: 8.24308

Response type: Internal Std (Ref 183), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	0.75	NO	39.22	0.987	2.86e3	1.24e6	0.224	-10.6	0.923	MM
2 190628K2_2	1.00	0.74	NO	39.22	0.986	1.18e4	1.19e6	0.956	-4.4	0.986	db
3 190628K2_3	2.50	0.75	NO	39.22	0.987	2.77e4	1.14e6	2.36	-5.5	0.975	MM
4 190628K2_4	400	0.73	NO	39.22	0.987	6.50e6	1.46e6	432	8.0	1.12	MM
5 190628K2_5	1000	0.73	NO	39.22	0.987	1.74e7	1.53e6	1100	10.4	1.14	MM
6 190628K2_6	50.0	0.73	NO	39.22	0.987	6.47e5	1.23e6	51.0	2.0	1.05	MM

Compound name: PCB-81

Response Factor: 0.933105

RRF SD: 0.078076, Relative SD: 8.36733

Response type: Internal Std (Ref 183), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	0.67	NO	39.75	1.000	2.71e3	1.24e6	0.235	-6.2	0.875	bd
2 190628K2_2	1.00	0.77	NO	39.77	1.000	1.01e4	1.19e6	0.909	-9.1	0.848	MM
3 190628K2_3	2.50	0.72	NO	39.77	1.001	2.55e4	1.14e6	2.41	-3.7	0.899	MM
4 190628K2_4	400	0.74	NO	39.75	1.000	5.92e6	1.46e6	435	8.7	1.01	MM
5 190628K2_5	1000	0.74	NO	39.75	1.000	1.59e7	1.53e6	1120	11.7	1.04	MM
6 190628K2_6	50.0	0.72	NO	39.76	1.000	5.65e5	1.23e6	49.3	-1.5	0.919	MM

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-77

Response Factor: 1.03273

RRF SD: 0.0795206, Relative SD: 7.70007

Response type: Internal Std (Ref 184), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.74	NO	40.37	1.000	2.73e3	1.21e6	0.219	-12.4	0.905	bb
2	190628K2_2	1.00	0.68	NO	40.39	1.000	1.15e4	1.13e6	0.986	-1.4	1.02	MM
3	190628K2_3	2.50	0.75	NO	40.39	1.000	2.73e4	1.11e6	2.39	-4.4	0.988	MM
4	190628K2_4	400	0.74	NO	40.37	1.000	6.32e6	1.44e6	425	6.1	1.10	MM
5	190628K2_5	1000	0.75	NO	40.37	1.000	1.70e7	1.52e6	1090	8.5	1.12	MM
6	190628K2_6	50.0	0.73	NO	40.37	1.000	6.31e5	1.18e6	51.7	3.5	1.07	MM

Compound name: PCB-104

Response Factor: 0.994572

RRF SD: 0.0359619, Relative SD: 3.61582

Response type: Internal Std (Ref 185), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.34	NO	33.15	1.001	3.15e3	1.30e6	0.243	-2.7	0.967	MM
2	190628K2_2	1.00	1.52	NO	33.15	1.001	1.20e4	1.26e6	0.960	-4.0	0.955	bb
3	190628K2_3	2.50	1.54	NO	33.15	1.001	2.98e4	1.21e6	2.47	-1.2	0.983	bb
4	190628K2_4	400	1.51	NO	33.15	1.001	6.03e6	1.46e6	416	4.1	1.04	bb
5	190628K2_5	1000	1.49	NO	33.15	1.000	1.56e7	1.49e6	1050	4.8	1.04	bb
6	190628K2_6	50.0	1.52	NO	33.15	1.001	6.27e5	1.27e6	49.5	-1.0	0.985	bb

Compound name: PCB-96

Response Factor: 0.995734

RRF SD: 0.0461167, Relative SD: 4.63142

Response type: Internal Std (Ref 185), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.55	NO	34.45	1.041	3.25e3	1.30e6	0.250	0.0	0.996	bb
2	190628K2_2	1.00	1.56	NO	34.45	1.040	1.17e4	1.26e6	0.931	-6.9	0.927	bb

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Compound name: PCB-96

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.49	NO	34.45	1.040	3.00e4	1.21e6	2.48	-0.8	0.988	bb
4	190628K2_4	400	1.50	NO	34.45	1.041	6.04e6	1.46e6	417	4.2	1.04	bb
5	190628K2_5	1000	1.51	NO	34.45	1.040	1.58e7	1.49e6	1060	6.0	1.06	bb
6	190628K2_6	50.0	1.53	NO	34.45	1.041	6.18e5	1.27e6	48.8	-2.5	0.971	bb

Compound name: PCB-103

Response Factor: 0.774288

RRF SD: 0.0499129, Relative SD: 6.4463

Response type: Internal Std (Ref 185), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.35	NO	35.01	1.057	2.37e3	1.30e6	0.235	-6.2	0.727	MM
2	190628K2_2	1.00	1.69	NO	35.03	1.057	9.21e3	1.26e6	0.945	-5.5	0.731	bb
3	190628K2_3	2.50	1.52	NO	35.03	1.057	2.28e4	1.21e6	2.43	-2.8	0.752	bb
4	190628K2_4	400	1.52	NO	35.01	1.057	4.78e6	1.46e6	424	5.9	0.820	bb
5	190628K2_5	1000	1.51	NO	35.01	1.057	1.27e7	1.49e6	1100	9.7	0.850	bb
6	190628K2_6	50.0	1.53	NO	35.01	1.057	4.88e5	1.27e6	49.4	-1.1	0.766	bb

Compound name: PCB-100

Response Factor: 0.777612

RRF SD: 0.0705535, Relative SD: 9.07309

Response type: Internal Std (Ref 185), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.45	NO	35.38	1.069	2.18e3	1.30e6	0.215	-13.9	0.670	MM
2	190628K2_2	1.00	1.35	NO	35.38	1.068	9.30e3	1.26e6	0.950	-5.0	0.739	MM
3	190628K2_3	2.50	1.40	NO	35.38	1.068	2.34e4	1.21e6	2.47	-1.1	0.769	bb
4	190628K2_4	400	1.52	NO	35.38	1.069	4.88e6	1.46e6	431	7.7	0.838	bb
5	190628K2_5	1000	1.50	NO	35.38	1.068	1.30e7	1.49e6	1120	11.5	0.867	bb
6	190628K2_6	50.0	1.53	NO	35.38	1.069	4.99e5	1.27e6	50.4	0.7	0.783	bb

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Compound name: PCB-94

Response Factor: 0.773443

RRF SD: 0.0605917, Relative SD: 7.83403

Response type: Internal Std (Ref 186), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.33	NO	35.87	0.985	1.67e3	9.93e5	0.217	-13.2	0.671	MM
2	190628K2_2	1.00	1.46	NO	35.88	0.986	7.45e3	9.59e5	1.00	0.4	0.777	bb
3	190628K2_3	2.50	1.41	NO	35.87	0.985	1.74e4	9.46e5	2.38	-4.6	0.738	bb
4	190628K2_4	400	1.51	NO	35.87	0.985	3.77e6	1.15e6	424	6.1	0.821	bb
5	190628K2_5	1000	1.52	NO	35.87	0.985	1.01e7	1.21e6	1080	7.8	0.834	bb
6	190628K2_6	50.0	1.51	NO	35.87	0.986	3.89e5	9.73e5	51.7	3.5	0.800	bb

Compound name: PCB-95/98/102

Response Factor: 1.01472

RRF SD: 0.0444164, Relative SD: 4.37721

Response type: Internal Std (Ref 186), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.750	1.45	NO	36.35	0.998	7.23e3	9.93e5	0.718	-4.3	0.971	MM
2	190628K2_2	3.00	1.52	NO	36.35	0.998	2.93e4	9.59e5	3.01	0.4	1.02	bd
3	190628K2_3	7.50	1.57	NO	36.37	0.999	6.75e4	9.46e5	7.04	-6.2	0.952	MM
4	190628K2_4	1200	1.51	NO	36.35	0.998	1.45e7	1.15e6	1250	3.8	1.05	bd
5	190628K2_5	3000	1.51	NO	36.35	0.998	3.85e7	1.21e6	3140	4.7	1.06	MM
6	190628K2_6	150	1.51	NO	36.35	0.999	1.50e6	9.73e5	152	1.6	1.03	bd

Compound name: PCB-93

Response Factor: 0.841043

RRF SD: 0.0741261, Relative SD: 8.81359

Response type: Internal Std (Ref 186), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.67	NO	36.46	1.002	2.06e3	9.93e5	0.246	-1.5	0.828	MM
2	190628K2_2	1.00	1.72	NO	36.50	1.003	6.82e3	9.59e5	0.846	-15.4	0.712	db

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Compound name: PCB-93

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.51	NO	36.46	1.002	2.14e4	9.46e5	2.70	7.9	0.907	MM
4	190628K2_4	400	1.52	NO	36.50	1.003	4.00e6	1.15e6	414	3.6	0.871	db
5	190628K2_5	1000	1.53	NO	36.50	1.003	1.10e7	1.21e6	1080	8.2	0.910	MM
6	190628K2_6	50.0	1.54	NO	36.50	1.003	3.98e5	9.73e5	48.6	-2.8	0.817	db

Compound name: PCB-88/91

Response Factor: 0.889596

RRF SD: 0.0370179, Relative SD: 4.1612

Response type: Internal Std (Ref 186), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.43	NO	36.85	1.012	4.66e3	9.93e5	0.527	5.5	0.938	MM
2	190628K2_2	2.00	1.76	NO	36.83	1.012	1.58e4	9.59e5	1.85	-7.3	0.825	bd
3	190628K2_3	5.00	1.61	NO	36.85	1.012	4.25e4	9.46e5	5.05	1.0	0.898	dd
4	190628K2_4	800	1.51	NO	36.83	1.012	8.11e6	1.15e6	794	-0.8	0.883	bd
5	190628K2_5	2000	1.50	NO	36.83	1.012	2.16e7	1.21e6	2010	0.7	0.896	bd
6	190628K2_6	100	1.51	NO	36.83	1.012	8.74e5	9.73e5	101	0.9	0.898	bd

Compound name: PCB-121

Response Factor: 1.38597

RRF SD: 0.134648, Relative SD: 9.71511

Response type: Internal Std (Ref 186), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.45	NO	36.93	1.014	3.03e3	9.93e5	0.220	-12.1	1.22	MM
2	190628K2_2	1.00	1.40	NO	36.93	1.014	1.26e4	9.59e5	0.951	-4.9	1.32	db
3	190628K2_3	2.50	1.53	NO	36.93	1.014	3.02e4	9.46e5	2.31	-7.7	1.28	db
4	190628K2_4	400	1.53	NO	36.93	1.014	6.96e6	1.15e6	437	9.3	1.52	db
5	190628K2_5	1000	1.53	NO	36.93	1.014	1.88e7	1.21e6	1120	12.1	1.55	db
6	190628K2_6	50.0	1.51	NO	36.93	1.015	6.96e5	9.73e5	51.6	3.2	1.43	db

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Compound name: PCB-84/92

Response Factor: 0.878502
 RRF SD: 0.0491541, Relative SD: 5.59522
 Response type: Internal Std (Ref 187), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.61	NO	37.78	0.990	3.92e3	9.69e5	0.460	-7.9	0.809	bd
2	190628K2_2	2.00	1.46	NO	37.78	0.990	1.59e4	9.17e5	1.97	-1.3	0.868	MM
3	190628K2_3	5.00	1.58	NO	37.78	0.990	3.80e4	8.90e5	4.86	-2.7	0.854	bd
4	190628K2_4	800	1.50	NO	37.78	0.990	7.95e6	1.08e6	836	4.4	0.918	bd
5	190628K2_5	2000	1.50	NO	37.78	0.990	2.15e7	1.13e6	2160	8.0	0.949	bd
6	190628K2_6	100	1.55	NO	37.76	0.990	8.29e5	9.49e5	99.4	-0.6	0.874	bd

Compound name: PCB-89

Response Factor: 0.959382
 RRF SD: 0.0317425, Relative SD: 3.30865
 Response type: Internal Std (Ref 187), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.72	NO	37.97	0.995	2.23e3	9.69e5	0.240	-4.1	0.920	MM
2	190628K2_2	1.00	1.37	NO	37.97	0.995	8.81e3	9.17e5	1.00	0.2	0.961	MM
3	190628K2_3	2.50	1.47	NO	37.97	0.995	2.06e4	8.90e5	2.42	-3.4	0.927	dd
4	190628K2_4	400	1.50	NO	37.97	0.995	4.27e6	1.08e6	411	2.7	0.986	dd
5	190628K2_5	1000	1.50	NO	37.97	0.995	1.14e7	1.13e6	1040	4.4	1.00	dd
6	190628K2_6	50.0	1.54	NO	37.97	0.996	4.56e5	9.49e5	50.1	0.1	0.961	dd

Compound name: PCB-90/101

Response Factor: 0.943869
 RRF SD: 0.0563686, Relative SD: 5.97208
 Response type: Internal Std (Ref 187), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.41	NO	38.15	1.000	4.07e3	9.69e5	0.446	-10.9	0.841	MM
2	190628K2_2	2.00	1.53	NO	38.17	1.000	1.76e4	9.17e5	2.03	1.4	0.957	MM

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Compound name: PCB-90/101

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	5.00	1.54	NO	38.17	1.000	4.15e4	8.90e5	4.95	-1.0	0.934	db
4	190628K2_4	800	1.52	NO	38.15	1.000	8.52e6	1.08e6	834	4.2	0.984	dd
5	190628K2_5	2000	1.50	NO	38.15	1.000	2.27e7	1.13e6	2120	6.2	1.00	dd
6	190628K2_6	100	1.51	NO	38.15	1.000	8.97e5	9.49e5	100	0.1	0.944	dd

Compound name: PCB-113

Response Factor: 1.23044

RRF SD: 0.0526854, Relative SD: 4.28185

Response type: Internal Std (Ref 187), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.41	NO	38.42	1.007	2.73e3	9.69e5	0.229	-8.4	1.13	MM
2	190628K2_2	1.00	1.50	NO	38.42	1.007	1.16e4	9.17e5	1.03	2.6	1.26	MM
3	190628K2_3	2.50	1.40	NO	38.42	1.007	2.82e4	8.90e5	2.58	3.2	1.27	bd
4	190628K2_4	400	1.51	NO	38.41	1.007	5.40e6	1.08e6	405	1.4	1.25	dd
5	190628K2_5	1000	1.50	NO	38.42	1.007	1.42e7	1.13e6	1020	1.5	1.25	MM
6	190628K2_6	50.0	1.52	NO	38.42	1.007	5.82e5	9.49e5	49.9	-0.3	1.23	dd

Compound name: PCB-99

Response Factor: 1.1188

RRF SD: 0.130741, Relative SD: 11.6858

Response type: Internal Std (Ref 187), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.46	NO	38.51	1.009	2.31e3	9.69e5	0.213	-14.7	0.954	MM
2	190628K2_2	1.00	1.51	NO	38.51	1.009	9.80e3	9.17e5	0.956	-4.4	1.07	MM
3	190628K2_3	2.50	1.48	NO	38.51	1.009	2.27e4	8.90e5	2.29	-8.6	1.02	db
4	190628K2_4	400	1.53	NO	38.51	1.009	5.36e6	1.08e6	442	10.6	1.24	db
5	190628K2_5	1000	1.52	NO	38.51	1.009	1.47e7	1.13e6	1160	16.1	1.30	MM
6	190628K2_6	50.0	1.54	NO	38.51	1.010	5.37e5	9.49e5	50.5	1.1	1.13	db

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Compound name: PCB-119

Response Factor: 1.47116

RRF SD: 0.10941, Relative SD: 7.43701

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.75	NO	38.99	0.987	2.77e3	8.42e5	0.224	-10.5	1.32	bd
2	190628K2_2	1.00	1.60	NO	38.99	0.987	1.14e4	8.07e5	0.963	-3.7	1.42	bd
3	190628K2_3	2.50	1.55	NO	38.99	0.987	2.80e4	7.81e5	2.43	-2.7	1.43	bd
4	190628K2_4	400	1.49	NO	38.99	0.987	5.94e6	9.44e5	428	6.9	1.57	bd
5	190628K2_5	1000	1.50	NO	38.99	0.987	1.57e7	9.71e5	1100	9.9	1.62	bd
6	190628K2_6	50.0	1.54	NO	38.97	0.987	6.11e5	8.31e5	50.0	-0.1	1.47	bd

Compound name: PCB-108/112

Response Factor: 1.24929

RRF SD: 0.0742553, Relative SD: 5.9438

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.49	NO	39.16	0.992	4.83e3	8.42e5	0.459	-8.1	1.15	dd
2	190628K2_2	2.00	1.53	NO	39.16	0.992	1.97e4	8.07e5	1.95	-2.5	1.22	dd
3	190628K2_3	5.00	1.53	NO	39.16	0.992	4.73e4	7.81e5	4.85	-3.0	1.21	dd
4	190628K2_4	800	1.50	NO	39.14	0.991	9.88e6	9.44e5	838	4.7	1.31	dd
5	190628K2_5	2000	1.50	NO	39.14	0.991	2.63e7	9.71e5	2170	8.5	1.36	dd
6	190628K2_6	100	1.50	NO	39.14	0.991	1.04e6	8.31e5	100	0.5	1.25	dd

Compound name: PCB-83

Response Factor: 1.54674

RRF SD: 0.0962831, Relative SD: 6.22492

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.78	NO	39.31	0.995	3.33e3	8.42e5	0.256	2.2	1.58	dd
2	190628K2_2	1.00	1.44	NO	39.33	0.996	1.13e4	8.07e5	0.907	-9.3	1.40	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-83

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.61	NO	39.33	0.996	2.89e4	7.81e5	2.39	-4.4	1.48	dd
4	190628K2_4	400	1.51	NO	39.31	0.995	6.11e6	9.44e5	419	4.7	1.62	dd
5	190628K2_5	1000	1.50	NO	39.31	0.995	1.62e7	9.71e5	1080	7.7	1.67	dd
6	190628K2_6	50.0	1.50	NO	39.31	0.995	6.37e5	8.31e5	49.5	-0.9	1.53	dd

Compound name: PCB-97

Response Factor: 1.07496

RRF SD: 0.0594316, Relative SD: 5.52872

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.65	NO	39.53	1.001	2.30e3	8.42e5	0.254	1.5	1.09	dd
2	190628K2_2	1.00	1.57	NO	39.53	1.001	7.88e3	8.07e5	0.908	-9.2	0.976	dd
3	190628K2_3	2.50	1.53	NO	39.53	1.001	2.05e4	7.81e5	2.44	-2.6	1.05	dd
4	190628K2_4	400	1.51	NO	39.51	1.000	4.23e6	9.44e5	417	4.2	1.12	dd
5	190628K2_5	1000	1.50	NO	39.51	1.000	1.11e7	9.71e5	1060	6.4	1.14	dd
6	190628K2_6	50.0	1.53	NO	39.51	1.000	4.45e5	8.31e5	49.9	-0.3	1.07	dd

Compound name: PCB-86

Response Factor: 0.995501

RRF SD: 0.0761026, Relative SD: 7.64465

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.61	NO	39.68	1.005	2.02e3	8.42e5	0.241	-3.7	0.959	dd
2	190628K2_2	1.00	1.45	NO	39.68	1.005	7.62e3	8.07e5	0.948	-5.2	0.944	dd
3	190628K2_3	2.50	1.46	NO	39.68	1.005	1.91e4	7.81e5	2.46	-1.5	0.980	dd
4	190628K2_4	400	1.48	NO	39.68	1.005	4.11e6	9.44e5	438	9.4	1.09	dd
5	190628K2_5	1000	1.49	NO	39.68	1.005	1.06e7	9.71e5	1090	9.5	1.09	dd
6	190628K2_6	50.0	1.51	NO	39.66	1.004	3.79e5	8.31e5	45.8	-8.4	0.911	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-87/117/125

Response Factor: 1.33244

RRF SD: 0.110411, Relative SD: 8.28641

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.750	1.48	NO	39.81	1.008	7.48e3	8.42e5	0.666	-11.2	1.18	dd
2	190628K2_2	3.00	1.46	NO	39.81	1.008	3.07e4	8.07e5	2.85	-4.9	1.27	dd
3	190628K2_3	7.50	1.53	NO	39.81	1.008	7.47e4	7.81e5	7.17	-4.4	1.27	dd
4	190628K2_4	1200	1.51	NO	39.81	1.008	1.61e7	9.44e5	1280	6.5	1.42	dd
5	190628K2_5	3000	1.51	NO	39.81	1.008	4.31e7	9.71e5	3340	11.2	1.48	dd
6	190628K2_6	150	1.52	NO	39.79	1.008	1.71e6	8.31e5	154	2.7	1.37	dd

Compound name: PCB-111/115

Response Factor: 1.60094

RRF SD: 0.126255, Relative SD: 7.88635

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.76	NO	39.96	1.012	6.31e3	8.42e5	0.468	-6.4	1.50	dd
2	190628K2_2	2.00	1.56	NO	39.98	1.012	2.48e4	8.07e5	1.92	-4.2	1.53	dd
3	190628K2_3	5.00	1.52	NO	39.96	1.012	5.96e4	7.81e5	4.77	-4.6	1.53	dd
4	190628K2_4	800	1.50	NO	39.96	1.012	1.31e7	9.44e5	866	8.3	1.73	dd
5	190628K2_5	2000	1.51	NO	39.96	1.012	3.48e7	9.71e5	2240	11.8	1.79	dd
6	190628K2_6	100	1.52	NO	39.96	1.012	1.27e6	8.31e5	95.1	-4.9	1.52	dd

Compound name: PCB-85/116

Response Factor: 1.21579

RRF SD: 0.0616726, Relative SD: 5.07265

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.34	NO	40.09	1.015	5.21e3	8.42e5	0.509	1.7	1.24	dd
2	190628K2_2	2.00	1.38	NO	40.09	1.015	1.79e4	8.07e5	1.82	-8.8	1.11	dd

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Compound name: PCB-85/116

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	5.00	1.54	NO	40.09	1.015	4.61e4	7.81e5	4.86	-2.8	1.18	dd
4	190628K2_4	800	1.51	NO	40.09	1.015	9.34e6	9.44e5	814	1.8	1.24	dd
5	190628K2_5	2000	1.51	NO	40.09	1.015	2.49e7	9.71e5	2110	5.4	1.28	db
6	190628K2_6	100	1.54	NO	40.09	1.015	1.04e6	8.31e5	103	2.7	1.25	dd

Compound name: PCB-120

Response Factor: 1.6808

RRF SD: 0.123461, Relative SD: 7.34537

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.33	NO	40.35	1.022	3.30e3	8.42e5	0.233	-6.6	1.57	MM
2	190628K2_2	1.00	1.57	NO	40.35	1.022	1.29e4	8.07e5	0.951	-4.9	1.60	dd
3	190628K2_3	2.50	1.48	NO	40.35	1.022	3.13e4	7.81e5	2.38	-4.6	1.60	dd
4	190628K2_4	400	1.50	NO	40.35	1.022	6.85e6	9.44e5	432	8.1	1.82	dd
5	190628K2_5	1000	1.50	NO	40.35	1.022	1.80e7	9.71e5	1100	10.5	1.86	bd
6	190628K2_6	50.0	1.49	NO	40.35	1.022	6.81e5	8.31e5	48.8	-2.4	1.64	dd

Compound name: PCB-110

Response Factor: 1.48569

RRF SD: 0.0734194, Relative SD: 4.94178

Response type: Internal Std (Ref 188), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.60	NO	40.50	1.025	2.87e3	8.42e5	0.229	-8.4	1.36	MM
2	190628K2_2	1.00	1.48	NO	40.50	1.025	1.20e4	8.07e5	1.00	-0.0	1.49	db
3	190628K2_3	2.50	1.51	NO	40.50	1.025	2.86e4	7.81e5	2.46	-1.4	1.46	db
4	190628K2_4	400	1.51	NO	40.50	1.025	5.77e6	9.44e5	412	3.0	1.53	db
5	190628K2_5	1000	1.51	NO	40.50	1.025	1.53e7	9.71e5	1060	6.4	1.58	db
6	190628K2_6	50.0	1.52	NO	40.48	1.025	6.20e5	8.31e5	50.3	0.5	1.49	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-82

Response Factor: 0.674454

RRF SD: 0.0425328, Relative SD: 6.30627

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.53	NO	41.13	0.976	1.62e3	1.09e6	0.221	-11.6	0.597	MM
2	190628K2_2	1.00	1.45	NO	41.13	0.976	6.86e3	1.04e6	0.978	-2.2	0.660	db
3	190628K2_3	2.50	1.39	NO	41.15	0.976	1.71e4	1.01e6	2.52	0.6	0.679	db
4	190628K2_4	400	1.50	NO	41.13	0.976	3.49e6	1.24e6	419	4.7	0.706	bb
5	190628K2_5	1000	1.52	NO	41.13	0.976	9.13e6	1.28e6	1050	5.3	0.710	db
6	190628K2_6	50.0	1.50	NO	41.13	0.976	3.74e5	1.07e6	51.6	3.1	0.696	bd

Compound name: PCB-124

Response Factor: 1.16306

RRF SD: 0.0888184, Relative SD: 7.63659

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.59	NO	41.86	0.993	2.84e3	1.09e6	0.224	-10.4	1.04	bd
2	190628K2_2	1.00	1.40	NO	41.86	0.993	1.16e4	1.04e6	0.956	-4.4	1.11	bd
3	190628K2_3	2.50	1.51	NO	41.86	0.993	2.90e4	1.01e6	2.48	-0.7	1.15	bd
4	190628K2_4	400	1.49	NO	41.84	0.993	6.18e6	1.24e6	430	7.5	1.25	bd
5	190628K2_5	1000	1.50	NO	41.84	0.993	1.65e7	1.28e6	1100	10.2	1.28	bd
6	190628K2_6	50.0	1.48	NO	41.84	0.993	6.12e5	1.07e6	49.0	-2.0	1.14	bd

Compound name: PCB-107/109

Response Factor: 1.16628

RRF SD: 0.0723123, Relative SD: 6.20027

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.57	NO	42.01	0.997	5.97e3	1.09e6	0.470	-5.9	1.10	dd
2	190628K2_2	2.00	1.62	NO	42.01	0.996	2.25e4	1.04e6	1.85	-7.3	1.08	dd

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Compound name: PCB-107/109

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	5.00	1.49	NO	42.01	0.996	5.76e4	1.01e6	4.91	-1.8	1.15	dd
4	190628K2_4	800	1.51	NO	41.99	0.996	1.21e7	1.24e6	837	4.6	1.22	dd
5	190628K2_5	2000	1.51	NO	41.99	0.996	3.26e7	1.28e6	2170	8.7	1.27	dd
6	190628K2_6	100	1.51	NO	41.99	0.997	1.28e6	1.07e6	102	1.8	1.19	dd

Compound name: PCB-123

Response Factor: 1.04116

RRF SD: 0.0529506, Relative SD: 5.08575

Response type: Internal Std (Ref 189), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.34	NO	42.17	1.000	2.82e3	1.09e6	0.249	-0.6	1.04	MM
2	190628K2_2	1.00	1.49	NO	42.17	1.000	9.92e3	1.04e6	0.916	-8.4	0.954	dd
3	190628K2_3	2.50	1.52	NO	42.17	1.000	2.55e4	1.01e6	2.43	-2.6	1.01	dd
4	190628K2_4	400	1.52	NO	42.17	1.000	5.33e6	1.24e6	414	3.5	1.08	dd
5	190628K2_5	1000	1.50	NO	42.17	1.000	1.42e7	1.28e6	1060	5.9	1.10	dd
6	190628K2_6	50.0	1.50	NO	42.15	1.000	5.71e5	1.07e6	51.0	2.1	1.06	dd

Compound name: PCB-106/118

Response Factor: 1.06999

RRF SD: 0.0476503, Relative SD: 4.45333

Response type: Internal Std (Ref 190), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.59	NO	42.40	1.001	5.61e3	1.14e6	0.459	-8.3	0.982	db
2	190628K2_2	2.00	1.41	NO	42.38	1.001	2.32e4	1.09e6	1.98	-1.0	1.06	MM
3	190628K2_3	5.00	1.52	NO	42.38	1.001	5.63e4	1.04e6	5.04	0.9	1.08	MM
4	190628K2_4	800	1.52	NO	42.38	1.001	1.17e7	1.35e6	814	1.8	1.09	MM
5	190628K2_5	2000	1.51	NO	42.38	1.001	3.10e7	1.38e6	2090	4.7	1.12	MM
6	190628K2_6	100	1.52	NO	42.38	1.001	1.22e6	1.12e6	102	1.9	1.09	MM

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Compound name: PCB-114

Response Factor: 1.16158

RRF SD: 0.0858823, Relative SD: 7.39357

Response type: Internal Std (Ref 191), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.49	NO	43.03	1.000	2.49e3	9.51e5	0.225	-10.0	1.05	bd
2	190628K2_2	1.00	1.57	NO	43.03	1.000	1.04e4	9.12e5	0.977	-2.3	1.13	MM
3	190628K2_3	2.50	1.60	NO	43.03	1.000	2.47e4	8.94e5	2.38	-4.6	1.11	MM
4	190628K2_4	400	1.57	NO	43.03	1.000	5.61e6	1.12e6	431	7.7	1.25	MM
5	190628K2_5	1000	1.57	NO	43.03	1.000	1.50e7	1.18e6	1090	9.4	1.27	MM
6	190628K2_6	50.0	1.55	NO	43.03	1.000	5.54e5	9.55e5	49.9	-0.2	1.16	MM

Compound name: PCB-122

Response Factor: 0.972565

RRF SD: 0.0815851, Relative SD: 8.38865

Response type: Internal Std (Ref 191), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.43	NO	43.17	1.003	1.98e3	9.51e5	0.215	-14.1	0.835	dd
2	190628K2_2	1.00	1.52	NO	43.19	1.004	8.47e3	9.12e5	0.955	-4.5	0.929	MM
3	190628K2_3	2.50	1.47	NO	43.19	1.004	2.16e4	8.94e5	2.48	-0.6	0.967	MM
4	190628K2_4	400	1.56	NO	43.17	1.003	4.57e6	1.12e6	419	4.8	1.02	MM
5	190628K2_5	1000	1.57	NO	43.17	1.003	1.22e7	1.18e6	1060	5.9	1.03	MM
6	190628K2_6	50.0	1.58	NO	43.17	1.003	5.04e5	9.55e5	54.3	8.6	1.06	MM

Compound name: PCB-105

Response Factor: 1.10086

RRF SD: 0.0624074, Relative SD: 5.66896

Response type: Internal Std (Ref 192), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.42	NO	43.93	1.000	2.69e3	1.01e6	0.242	-3.3	1.06	MM
2	190628K2_2	1.00	1.51	NO	43.93	1.000	9.88e3	9.63e5	0.932	-6.8	1.03	bd

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Compound name: PCB-105

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.57	NO	43.93	1.000	2.45e4	9.24e5	2.41	-3.7	1.06	dd
4	190628K2_4	400	1.56	NO	43.92	1.000	5.32e6	1.15e6	420	5.1	1.16	bd
5	190628K2_5	1000	1.57	NO	43.93	1.000	1.43e7	1.21e6	1080	7.9	1.19	bd
6	190628K2_6	50.0	1.57	NO	43.93	1.000	5.59e5	1.01e6	50.4	0.8	1.11	bd

Compound name: PCB-127

Response Factor: 1.10828
 RRF SD: 0.0850256, Relative SD: 7.67188
 Response type: Internal Std (Ref 193), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.51	NO	44.29	1.001	2.53e3	1.03e6	0.222	-11.2	0.984	db
2	190628K2_2	1.00	1.68	NO	44.29	1.000	1.05e4	1.00e6	0.943	-5.7	1.05	db
3	190628K2_3	2.50	1.51	NO	44.29	1.000	2.64e4	9.66e5	2.47	-1.3	1.09	db
4	190628K2_4	400	1.58	NO	44.27	1.000	5.52e6	1.16e6	428	6.9	1.19	db
5	190628K2_5	1000	1.58	NO	44.27	1.000	1.47e7	1.22e6	1090	9.0	1.21	db
6	190628K2_6	50.0	1.58	NO	44.27	1.000	5.84e5	1.03e6	51.2	2.3	1.13	db

Compound name: PCB-126

Response Factor: 1.21258
 RRF SD: 0.0924719, Relative SD: 7.62603
 Response type: Internal Std (Ref 194), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.41	NO	46.24	1.000	2.55e3	9.10e5	0.231	-7.8	1.12	MM
2	190628K2_2	1.00	1.62	NO	46.24	1.000	9.65e3	8.64e5	0.921	-7.9	1.12	MM
3	190628K2_3	2.50	1.58	NO	46.24	1.000	2.48e4	8.49e5	2.41	-3.6	1.17	db
4	190628K2_4	400	1.57	NO	46.24	1.000	5.51e6	1.06e6	428	7.1	1.30	db
5	190628K2_5	1000	1.57	NO	46.24	1.000	1.48e7	1.11e6	1100	10.0	1.33	db
6	190628K2_6	50.0	1.59	NO	46.24	1.000	5.71e5	9.21e5	51.1	2.2	1.24	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-155

Response Factor: 0.873733

RRF SD: 0.0386534, Relative SD: 4.42393

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.23	NO	37.69	1.000	2.65e3	1.26e6	0.241	-3.6	0.842	bb
2	190628K2_2	1.00	1.29	NO	37.71	1.001	1.03e4	1.20e6	0.982	-1.8	0.858	bb
3	190628K2_3	2.50	1.37	NO	37.71	1.001	2.42e4	1.15e6	2.41	-3.5	0.843	bb
4	190628K2_4	400	1.26	NO	37.69	1.000	4.83e6	1.32e6	419	4.7	0.915	bb
5	190628K2_5	1000	1.25	NO	37.69	1.000	1.26e7	1.36e6	1060	6.5	0.930	bb
6	190628K2_6	50.0	1.30	NO	37.69	1.000	5.04e5	1.18e6	48.9	-2.3	0.854	bb

Compound name: PCB-150

Response Factor: 0.880705

RRF SD: 0.0753257, Relative SD: 8.55289

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.10	NO	38.99	1.035	2.47e3	1.26e6	0.223	-10.9	0.785	MM
2	190628K2_2	1.00	1.24	NO	39.01	1.036	9.96e3	1.20e6	0.940	-6.0	0.828	bb
3	190628K2_3	2.50	1.30	NO	39.01	1.036	2.47e4	1.15e6	2.43	-2.7	0.857	bb
4	190628K2_4	400	1.25	NO	38.99	1.035	5.09e6	1.32e6	438	9.6	0.965	bb
5	190628K2_5	1000	1.25	NO	39.01	1.036	1.32e7	1.36e6	1110	10.6	0.974	bb
6	190628K2_6	50.0	1.25	NO	38.99	1.035	5.16e5	1.18e6	49.7	-0.6	0.875	bb

Compound name: PCB-152

Response Factor: 1.00442

RRF SD: 0.0676909, Relative SD: 6.73928

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.28	NO	39.49	1.048	2.96e3	1.26e6	0.234	-6.3	0.941	bb
2	190628K2_2	1.00	1.18	NO	39.49	1.048	1.13e4	1.20e6	0.938	-6.2	0.942	bb

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Compound name: PCB-152

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.18	NO	39.49	1.048	2.76e4	1.15e6	2.39	-4.5	0.959	bb
4	190628K2_4	400	1.27	NO	39.49	1.048	5.68e6	1.32e6	429	7.3	1.08	bb
5	190628K2_5	1000	1.25	NO	39.49	1.048	1.48e7	1.36e6	1090	8.6	1.09	bb
6	190628K2_6	50.0	1.27	NO	39.49	1.048	5.99e5	1.18e6	50.6	1.2	1.02	bb

Compound name: PCB-145

Response Factor: 0.999687

RRF SD: 0.0727756, Relative SD: 7.27984

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.33	NO	39.96	1.061	3.03e3	1.26e6	0.241	-3.7	0.963	bb
2	190628K2_2	1.00	1.34	NO	39.96	1.061	1.11e4	1.20e6	0.925	-7.5	0.925	bb
3	190628K2_3	2.50	1.25	NO	39.96	1.061	2.71e4	1.15e6	2.36	-5.6	0.944	bb
4	190628K2_4	400	1.25	NO	39.96	1.061	5.73e6	1.32e6	435	8.7	1.09	bb
5	190628K2_5	1000	1.26	NO	39.96	1.061	1.48e7	1.36e6	1090	9.3	1.09	bb
6	190628K2_6	50.0	1.28	NO	39.94	1.060	5.83e5	1.18e6	49.4	-1.2	0.988	bb

Compound name: PCB-136

Response Factor: 0.843264

RRF SD: 0.0815883, Relative SD: 9.67531

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.18	NO	40.29	1.070	2.35e3	1.26e6	0.221	-11.4	0.747	bd
2	190628K2_2	1.00	1.25	NO	40.29	1.070	9.38e3	1.20e6	0.924	-7.6	0.779	bd
3	190628K2_3	2.50	1.30	NO	40.29	1.070	2.39e4	1.15e6	2.47	-1.3	0.832	bd
4	190628K2_4	400	1.25	NO	40.29	1.070	4.93e6	1.32e6	443	10.9	0.935	bd
5	190628K2_5	1000	1.24	NO	40.29	1.070	1.29e7	1.36e6	1120	12.4	0.947	bd
6	190628K2_6	50.0	1.24	NO	40.28	1.069	4.83e5	1.18e6	48.6	-2.9	0.819	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-148

Response Factor: 0.693324

RRF SD: 0.0389325, Relative SD: 5.61534

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.07	NO	40.41	1.073	2.10e3	1.26e6	0.241	-3.6	0.669	db
2	190628K2_2	1.00	1.30	NO	40.41	1.073	7.64e3	1.20e6	0.916	-8.4	0.635	db
3	190628K2_3	2.50	1.23	NO	40.41	1.073	1.96e4	1.15e6	2.45	-1.9	0.680	db
4	190628K2_4	400	1.27	NO	40.40	1.073	3.82e6	1.32e6	418	4.5	0.725	db
5	190628K2_5	1000	1.28	NO	40.41	1.073	1.00e7	1.36e6	1060	6.4	0.738	db
6	190628K2_6	50.0	1.30	NO	40.39	1.072	4.21e5	1.18e6	51.5	3.0	0.714	db

Compound name: PCB-154

Response Factor: 0.723934

RRF SD: 0.0397493, Relative SD: 5.49074

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.33	NO	40.91	1.086	2.10e3	1.26e6	0.231	-7.6	0.669	bb
2	190628K2_2	1.00	1.15	NO	40.91	1.086	8.35e3	1.20e6	0.958	-4.2	0.694	bb
3	190628K2_3	2.50	1.34	NO	40.91	1.086	2.06e4	1.15e6	2.47	-1.2	0.715	bb
4	190628K2_4	400	1.25	NO	40.91	1.086	4.04e6	1.32e6	424	5.9	0.767	bb
5	190628K2_5	1000	1.25	NO	40.91	1.086	1.04e7	1.36e6	1060	6.1	0.768	bb
6	190628K2_6	50.0	1.25	NO	40.91	1.086	4.31e5	1.18e6	50.5	1.0	0.731	bb

Compound name: PCB-151

Response Factor: 0.632039

RRF SD: 0.0345567, Relative SD: 5.46749

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.31	NO	41.58	1.104	2.01e3	1.26e6	0.252	0.8	0.637	bd
2	190628K2_2	1.00	1.36	NO	41.58	1.104	6.97e3	1.20e6	0.917	-8.3	0.579	bd

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Compound name: PCB-151

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.28	NO	41.58	1.104	1.73e4	1.15e6	2.38	-4.7	0.602	bd
4	190628K2_4	400	1.25	NO	41.58	1.104	3.47e6	1.32e6	417	4.2	0.659	bd
5	190628K2_5	1000	1.25	NO	41.58	1.104	9.08e6	1.36e6	1060	5.9	0.669	bd
6	190628K2_6	50.0	1.27	NO	41.56	1.103	3.81e5	1.18e6	51.1	2.1	0.645	bd

Compound name: PCB-135

Response Factor: 0.715935

RRF SD: 0.0574656, Relative SD: 8.02666

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.23	NO	41.80	1.110	2.07e3	1.26e6	0.230	-7.9	0.659	dd
2	190628K2_2	1.00	1.18	NO	41.80	1.110	8.09e3	1.20e6	0.939	-6.1	0.672	dd
3	190628K2_3	2.50	1.20	NO	41.80	1.110	1.98e4	1.15e6	2.40	-3.8	0.689	dd
4	190628K2_4	400	1.24	NO	41.80	1.110	4.09e6	1.32e6	433	8.3	0.776	dd
5	190628K2_5	1000	1.26	NO	41.80	1.110	1.08e7	1.36e6	1120	11.6	0.799	dd
6	190628K2_6	50.0	1.25	NO	41.78	1.109	4.13e5	1.18e6	49.0	-2.1	0.701	dd

Compound name: PCB-144

Response Factor: 0.666578

RRF SD: 0.0279019, Relative SD: 4.18584

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.38	NO	41.91	1.113	2.12e3	1.26e6	0.253	1.1	0.674	MM
2	190628K2_2	1.00	1.39	NO	41.91	1.113	7.51e3	1.20e6	0.937	-6.3	0.624	dd
3	190628K2_3	2.50	1.24	NO	41.91	1.113	1.86e4	1.15e6	2.42	-3.2	0.645	dd
4	190628K2_4	400	1.26	NO	41.91	1.113	3.52e6	1.32e6	400	0.1	0.667	dd
5	190628K2_5	1000	1.29	NO	41.91	1.113	9.35e6	1.36e6	1030	3.4	0.689	dd
6	190628K2_6	50.0	1.25	NO	41.90	1.112	4.13e5	1.18e6	52.5	5.0	0.700	dd

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Compound name: PCB-147

Response Factor: 0.660977

RRF SD: 0.0728265, Relative SD: 11.018

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.25	NO	42.04	1.116	1.90e3	1.26e6	0.229	-8.6	0.604	db
2	190628K2_2	1.00	1.24	NO	42.04	1.116	7.38e3	1.20e6	0.928	-7.2	0.613	dd
3	190628K2_3	2.50	1.24	NO	42.04	1.116	1.68e4	1.15e6	2.20	-11.9	0.582	db
4	190628K2_4	400	1.26	NO	42.04	1.116	3.86e6	1.32e6	443	10.8	0.732	db
5	190628K2_5	1000	1.26	NO	42.04	1.116	1.03e7	1.36e6	1150	14.8	0.759	db
6	190628K2_6	50.0	1.29	NO	42.04	1.116	3.98e5	1.18e6	51.0	2.1	0.675	db

Compound name: PCB-139/149

Response Factor: 0.738277

RRF SD: 0.0604362, Relative SD: 8.18612

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.30	NO	42.32	1.123	4.21e3	1.26e6	0.453	-9.3	0.669	bd
2	190628K2_2	2.00	1.25	NO	42.32	1.123	1.65e4	1.20e6	1.86	-7.0	0.687	dd
3	190628K2_3	5.00	1.22	NO	42.32	1.123	4.07e4	1.15e6	4.79	-4.1	0.708	bd
4	190628K2_4	800	1.25	NO	42.32	1.123	8.37e6	1.32e6	860	7.5	0.794	bd
5	190628K2_5	2000	1.24	NO	42.32	1.123	2.23e7	1.36e6	2220	11.1	0.820	bd
6	190628K2_6	100	1.25	NO	42.30	1.123	8.87e5	1.18e6	102	1.8	0.752	bd

Compound name: PCB-140

Response Factor: 0.627323

RRF SD: 0.0587009, Relative SD: 9.35736

Response type: Internal Std (Ref 195), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.40	NO	42.51	1.128	1.65e3	1.26e6	0.209	-16.3	0.525	MM
2	190628K2_2	1.00	1.24	NO	42.51	1.128	7.28e3	1.20e6	0.964	-3.6	0.605	MM

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Compound name: PCB-140

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.26	NO	42.51	1.128	1.83e4	1.15e6	2.53	1.3	0.636	db
4	190628K2_4	400	1.27	NO	42.51	1.128	3.51e6	1.32e6	425	6.1	0.666	db
5	190628K2_5	1000	1.25	NO	42.51	1.128	9.44e6	1.36e6	1110	10.9	0.696	db
6	190628K2_6	50.0	1.26	NO	42.51	1.128	3.75e5	1.18e6	50.8	1.5	0.637	db

Compound name: PCB-134/143

Response Factor: 0.733336

RRF SD: 0.0649184, Relative SD: 8.85247

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.19	NO	42.96	0.975	2.92e3	9.27e5	0.430	-14.0	0.630	bb
2	190628K2_2	2.00	1.25	NO	42.96	0.975	1.27e4	8.81e5	1.96	-1.8	0.720	bb
3	190628K2_3	5.00	1.27	NO	42.96	0.975	3.02e4	8.55e5	4.82	-3.6	0.707	bd
4	190628K2_4	800	1.20	NO	42.96	0.975	6.36e6	1.01e6	858	7.3	0.787	bb
5	190628K2_5	2000	1.20	NO	42.96	0.975	1.69e7	1.04e6	2220	11.2	0.815	bb
6	190628K2_6	100	1.20	NO	42.96	0.975	6.70e5	9.04e5	101	1.0	0.741	bb

Compound name: PCB-131/133

Response Factor: 0.790167

RRF SD: 0.0625609, Relative SD: 7.91744

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.39	NO	43.28	0.982	3.44e3	9.27e5	0.469	-6.1	0.742	bd
2	190628K2_2	2.00	1.13	NO	43.28	0.982	1.29e4	8.81e5	1.85	-7.3	0.732	bd
3	190628K2_3	5.00	1.18	NO	43.28	0.982	3.19e4	8.55e5	4.73	-5.4	0.747	dd
4	190628K2_4	800	1.20	NO	43.26	0.982	6.82e6	1.01e6	854	6.7	0.843	bd
5	190628K2_5	2000	1.20	NO	43.26	0.982	1.84e7	1.04e6	2240	12.1	0.886	bd
6	190628K2_6	100	1.21	NO	43.26	0.982	7.15e5	9.04e5	100	0.0	0.791	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-142

Response Factor: 0.70805

RRF SD: 0.0486153, Relative SD: 6.86609

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.21	NO	43.43	0.985	1.49e3	9.27e5	0.227	-9.1	0.643	dd
2	190628K2_2	1.00	1.25	NO	43.43	0.985	5.88e3	8.81e5	0.943	-5.7	0.668	dd
3	190628K2_3	2.50	1.25	NO	43.43	0.985	1.50e4	8.55e5	2.47	-1.1	0.700	dd
4	190628K2_4	400	1.21	NO	43.43	0.985	3.02e6	1.01e6	422	5.6	0.748	dd
5	190628K2_5	1000	1.20	NO	43.43	0.985	8.03e6	1.04e6	1090	9.3	0.774	dd
6	190628K2_6	50.0	1.18	NO	43.43	0.986	3.23e5	9.04e5	50.5	1.0	0.715	dd

Compound name: PCB-146/165

Response Factor: 0.959441

RRF SD: 0.0771456, Relative SD: 8.04068

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.06	NO	43.66	0.990	4.07e3	9.27e5	0.458	-8.5	0.878	dd
2	190628K2_2	2.00	1.28	NO	43.66	0.991	1.57e4	8.81e5	1.86	-7.2	0.890	dd
3	190628K2_3	5.00	1.19	NO	43.66	0.991	3.90e4	8.55e5	4.76	-4.8	0.914	dd
4	190628K2_4	800	1.18	NO	43.66	0.990	8.31e6	1.01e6	857	7.1	1.03	dd
5	190628K2_5	2000	1.19	NO	43.66	0.990	2.21e7	1.04e6	2220	11.0	1.06	dd
6	190628K2_6	100	1.20	NO	43.66	0.991	8.88e5	9.04e5	102	2.4	0.982	dd

Compound name: PCB-132/161

Response Factor: 0.974412

RRF SD: 0.073899, Relative SD: 7.58396

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.28	NO	43.91	0.996	4.19e3	9.27e5	0.464	-7.2	0.904	dd
2	190628K2_2	2.00	1.15	NO	43.91	0.996	1.57e4	8.81e5	1.83	-8.6	0.891	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-132/161

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	5.00	1.24	NO	43.91	0.996	4.02e4	8.55e5	4.83	-3.4	0.941	dd
4	190628K2_4	800	1.20	NO	43.91	0.996	8.41e6	1.01e6	854	6.7	1.04	dd
5	190628K2_5	2000	1.20	NO	43.91	0.996	2.22e7	1.04e6	2200	9.9	1.07	dd
6	190628K2_6	100	1.19	NO	43.89	0.996	9.04e5	9.04e5	103	2.6	1.00	dd

Compound name: PCB-153

Response Factor: 1.01206

RRF SD: 0.0508241, Relative SD: 5.02183

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.09	NO	44.10	1.000	2.16e3	9.27e5	0.230	-8.1	0.931	dd
2	190628K2_2	1.00	1.26	NO	44.10	1.000	8.66e3	8.81e5	0.972	-2.8	0.983	dd
3	190628K2_3	2.50	1.17	NO	44.10	1.000	2.18e4	8.55e5	2.51	0.6	1.02	dd
4	190628K2_4	400	1.19	NO	44.10	1.000	4.25e6	1.01e6	415	3.9	1.05	dd
5	190628K2_5	1000	1.21	NO	44.10	1.000	1.12e7	1.04e6	1060	6.1	1.07	dd
6	190628K2_6	50.0	1.21	NO	44.08	1.000	4.59e5	9.04e5	50.1	0.3	1.01	dd

Compound name: PCB-168

Response Factor: 1.01943

RRF SD: 0.0750741, Relative SD: 7.3643

Response type: Internal Std (Ref 196), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.13	NO	44.32	1.006	2.20e3	9.27e5	0.233	-6.7	0.951	db
2	190628K2_2	1.00	1.19	NO	44.32	1.006	8.43e3	8.81e5	0.938	-6.2	0.956	db
3	190628K2_3	2.50	1.17	NO	44.32	1.006	2.06e4	8.55e5	2.37	-5.3	0.966	db
4	190628K2_4	400	1.19	NO	44.31	1.005	4.39e6	1.01e6	426	6.4	1.09	db
5	190628K2_5	1000	1.19	NO	44.31	1.005	1.17e7	1.04e6	1110	10.8	1.13	db
6	190628K2_6	50.0	1.21	NO	44.31	1.006	4.65e5	9.04e5	50.5	0.9	1.03	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-141

Response Factor: 0.967037

RRF SD: 0.0609512, Relative SD: 6.30288

Response type: Internal Std (Ref 197), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.24	NO	44.87	1.001	1.69e3	7.44e5	0.235	-6.2	0.907	MM
2	190628K2_2	1.00	1.13	NO	44.85	1.000	6.48e3	7.19e5	0.932	-6.8	0.901	bd
3	190628K2_3	2.50	1.14	NO	44.87	1.001	1.59e4	6.77e5	2.43	-2.8	0.940	MM
4	190628K2_4	400	1.19	NO	44.85	1.000	3.31e6	8.10e5	422	5.5	1.02	bd
5	190628K2_5	1000	1.19	NO	44.85	1.000	8.62e6	8.22e5	1090	8.5	1.05	MM
6	190628K2_6	50.0	1.21	NO	44.85	1.000	3.62e5	7.35e5	50.9	1.7	0.984	bd

Compound name: PCB-137

Response Factor: 0.987216

RRF SD: 0.0992612, Relative SD: 10.0547

Response type: Internal Std (Ref 197), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.18	NO	45.25	1.009	1.71e3	7.44e5	0.233	-7.0	0.918	bd
2	190628K2_2	1.00	1.23	NO	45.25	1.009	6.29e3	7.19e5	0.887	-11.3	0.875	bd
3	190628K2_3	2.50	1.17	NO	45.25	1.009	1.62e4	6.77e5	2.43	-2.9	0.959	bd
4	190628K2_4	400	1.19	NO	45.25	1.009	3.52e6	8.10e5	440	10.1	1.09	bd
5	190628K2_5	1000	1.19	NO	45.25	1.009	9.28e6	8.22e5	1140	14.4	1.13	bd
6	190628K2_6	50.0	1.17	NO	45.25	1.009	3.51e5	7.35e5	48.4	-3.3	0.955	bd

Compound name: PCB-130

Response Factor: 0.840114

RRF SD: 0.0861451, Relative SD: 10.254

Response type: Internal Std (Ref 197), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.28	NO	45.37	1.012	1.27e3	7.44e5	0.204	-18.4	0.685	MM
2	190628K2_2	1.00	1.29	NO	45.37	1.012	5.85e3	7.19e5	0.969	-3.1	0.814	MM

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-130

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.24	NO	45.37	1.012	1.41e4	6.77e5	2.48	-0.6	0.835	MM
4	190628K2_4	400	1.21	NO	45.35	1.011	2.86e6	8.10e5	420	5.1	0.883	MM
5	190628K2_5	1000	1.20	NO	45.37	1.012	7.59e6	8.22e5	1100	9.9	0.924	MM
6	190628K2_6	50.0	1.19	NO	45.35	1.011	3.31e5	7.35e5	53.6	7.1	0.900	MM

Compound name: PCB-138/163/164

Response Factor: 1.2264

RRF SD: 0.0988535, Relative SD: 8.06047

Response type: Internal Std (Ref 198), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.750	1.14	NO	45.74	1.001	6.33e3	7.59e5	0.680	-9.3	1.11	bd
2	190628K2_2	3.00	1.18	NO	45.76	1.001	2.49e4	7.22e5	2.82	-6.1	1.15	bd
3	190628K2_3	7.50	1.17	NO	45.76	1.001	6.23e4	7.06e5	7.20	-4.0	1.18	bd
4	190628K2_4	1200	1.20	NO	45.74	1.001	1.33e7	8.40e5	1290	7.7	1.32	bd
5	190628K2_5	3000	1.20	NO	45.74	1.001	3.57e7	8.73e5	3340	11.2	1.36	bd
6	190628K2_6	150	1.19	NO	45.74	1.001	1.41e6	7.59e5	151	0.6	1.23	bd

Compound name: PCB-158/160

Response Factor: 1.17823

RRF SD: 0.0898972, Relative SD: 7.62985

Response type: Internal Std (Ref 198), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	1.13	NO	45.99	1.006	3.96e3	7.59e5	0.443	-11.3	1.04	dd
2	190628K2_2	2.00	1.17	NO	46.01	1.007	1.69e4	7.22e5	1.99	-0.6	1.17	dd
3	190628K2_3	5.00	1.20	NO	46.01	1.007	3.93e4	7.06e5	4.72	-5.5	1.11	dd
4	190628K2_4	800	1.20	NO	45.99	1.006	8.48e6	8.40e5	857	7.1	1.26	dd
5	190628K2_5	2000	1.20	NO	45.99	1.006	2.24e7	8.73e5	2180	8.8	1.28	dd
6	190628K2_6	100	1.21	NO	45.99	1.007	9.08e5	7.59e5	102	1.5	1.20	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-129

Response Factor: 0.819299
 RRF SD: 0.0425482, Relative SD: 5.19325
 Response type: Internal Std (Ref 198), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.35	NO	46.24	1.012	1.53e3	7.59e5	0.245	-1.9	0.804	MM
2	190628K2_2	1.00	1.32	NO	46.26	1.012	5.61e3	7.22e5	0.948	-5.2	0.777	db
3	190628K2_3	2.50	1.16	NO	46.26	1.012	1.39e4	7.06e5	2.41	-3.7	0.789	db
4	190628K2_4	400	1.20	NO	46.24	1.012	2.91e6	8.40e5	423	5.6	0.866	db
5	190628K2_5	1000	1.20	NO	46.24	1.012	7.68e6	8.73e5	1070	7.4	0.880	db
6	190628K2_6	50.0	1.20	NO	46.24	1.012	3.04e5	7.59e5	48.9	-2.3	0.801	db

Compound name: PCB-166

Response Factor: 1.06912
 RRF SD: 0.0702558, Relative SD: 6.57138
 Response type: Internal Std (Ref 199), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.31	NO	46.71	0.993	2.23e3	9.24e5	0.225	-9.9	0.964	MM
2	190628K2_2	1.00	1.31	NO	46.71	0.993	8.74e3	8.65e5	0.945	-5.5	1.01	MM
3	190628K2_3	2.50	1.17	NO	46.73	0.994	2.27e4	8.45e5	2.51	0.5	1.07	MM
4	190628K2_4	400	1.19	NO	46.71	0.993	4.64e6	1.03e6	423	5.7	1.13	MM
5	190628K2_5	1000	1.18	NO	46.71	0.993	1.24e7	1.08e6	1070	7.2	1.15	MM
6	190628K2_6	50.0	1.20	NO	46.71	0.993	5.04e5	9.24e5	51.0	2.0	1.09	MM

Compound name: PCB-159

Response Factor: 1.11915
 RRF SD: 0.0803637, Relative SD: 7.18078
 Response type: Internal Std (Ref 199), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.19	NO	47.05	1.000	2.32e3	9.24e5	0.225	-10.2	1.01	MM
2	190628K2_2	1.00	1.21	NO	47.07	1.001	9.40e3	8.65e5	0.972	-2.8	1.09	MM

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Compound name: PCB-159

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
190628K2_3	2.50	1.21	NO	47.05	1.000	2.35e4	8.45e5	2.49	-0.4	1.11	MM
190628K2_4	400	1.17	NO	47.05	1.000	4.94e6	1.03e6	430	7.5	1.20	MM
190628K2_5	1000	1.20	NO	47.05	1.000	1.32e7	1.08e6	1090	9.0	1.22	MM
190628K2_6	50.0	1.20	NO	47.05	1.000	5.02e5	9.24e5	48.5	-3.0	1.09	MM

Compound name: PCB-128/162

Response Factor: 0.850603

RRF SD: 0.0565302, Relative SD: 6.6459

Response type: Internal Std (Ref 199), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
190628K2_1	0.500	1.38	NO	47.35	1.007	3.53e3	9.24e5	0.450	-10.0	0.765	MM
190628K2_2	2.00	1.25	NO	47.35	1.007	1.43e4	8.65e5	1.94	-2.8	0.827	MM
190628K2_3	5.00	1.18	NO	47.35	1.007	3.50e4	8.45e5	4.86	-2.7	0.828	MM
190628K2_4	800	1.19	NO	47.35	1.007	7.45e6	1.03e6	853	6.6	0.907	MM
190628K2_5	2000	1.20	NO	47.35	1.007	1.98e7	1.08e6	2150	7.7	0.917	MM
190628K2_6	100	1.16	NO	47.34	1.006	7.96e5	9.24e5	101	1.2	0.861	MM

Compound name: PCB-167

Response Factor: 1.04252

RRF SD: 0.0508137, Relative SD: 4.87414

Response type: Internal Std (Ref 200), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
190628K2_1	0.250	1.15	NO	47.75	1.000	2.26e3	9.22e5	0.235	-6.0	0.980	bb
190628K2_2	1.00	1.27	NO	47.75	1.000	8.71e3	8.60e5	0.972	-2.8	1.01	bb
190628K2_3	2.50	1.14	NO	47.75	1.000	2.16e4	8.45e5	2.45	-2.0	1.02	bb
190628K2_4	400	1.19	NO	47.75	1.000	4.42e6	1.01e6	419	4.8	1.09	bb
190628K2_5	1000	1.20	NO	47.75	1.000	1.19e7	1.07e6	1070	6.8	1.11	bb
190628K2_6	50.0	1.20	NO	47.75	1.000	4.76e5	9.21e5	49.6	-0.7	1.03	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-156

Response Factor: 1.05686

RRF SD: 0.0791886, Relative SD: 7.49284

Response type: Internal Std (Ref 201), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.42	NO	49.10	1.001	2.18e3	8.89e5	0.232	-7.3	0.979	MM
2	190628K2_2	1.00	1.16	NO	49.10	1.000	8.12e3	8.48e5	0.906	-9.4	0.957	dd
3	190628K2_3	2.50	1.24	NO	49.10	1.000	2.13e4	8.22e5	2.45	-1.9	1.04	bd
4	190628K2_4	400	1.20	NO	49.08	1.000	4.55e6	1.01e6	427	6.8	1.13	bb
5	190628K2_5	1000	1.20	NO	49.08	1.000	1.23e7	1.07e6	1090	8.9	1.15	bb
6	190628K2_6	50.0	1.21	NO	49.08	1.000	4.83e5	8.87e5	51.5	3.1	1.09	bd

Compound name: PCB-157

Response Factor: 0.977804

RRF SD: 0.0504139, Relative SD: 5.15583

Response type: Internal Std (Ref 202), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.40	NO	49.36	1.000	2.09e3	9.06e5	0.236	-5.5	0.924	bd
2	190628K2_2	1.00	1.25	NO	49.36	1.000	7.73e3	8.34e5	0.947	-5.3	0.926	dd
3	190628K2_3	2.50	1.20	NO	49.36	1.000	2.01e4	8.40e5	2.45	-1.9	0.959	dd
4	190628K2_4	400	1.21	NO	49.36	1.000	4.15e6	1.01e6	420	4.9	1.03	bd
5	190628K2_5	1000	1.19	NO	49.36	1.000	1.11e7	1.07e6	1070	6.7	1.04	bd
6	190628K2_6	50.0	1.21	NO	49.36	1.000	4.45e5	9.01e5	50.6	1.1	0.989	dd

Compound name: PCB-169

Response Factor: 1.10708

RRF SD: 0.0633689, Relative SD: 5.72399

Response type: Internal Std (Ref 203), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.19	NO	51.64	1.000	2.38e3	8.71e5	0.247	-1.2	1.09	bb
2	190628K2_2	1.00	1.27	NO	51.64	1.000	8.19e3	8.00e5	0.926	-7.4	1.02	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-169

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.15	NO	51.64	1.000	2.10e4	7.92e5	2.39	-4.3	1.06	MM
4	190628K2_4	400	1.21	NO	51.64	1.000	4.54e6	9.82e5	417	4.3	1.15	bb
5	190628K2_5	1000	1.19	NO	51.64	1.000	1.23e7	1.02e6	1080	8.4	1.20	bb
6	190628K2_6	50.0	1.23	NO	51.64	1.000	4.75e5	8.55e5	50.2	0.3	1.11	bb

Compound name: PCB-188

Response Factor: 1.19315
 RRF SD: 0.0897588, Relative SD: 7.52285
 Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.12	NO	43.72	1.001	2.33e3	9.11e5	0.214	-14.3	1.02	bb
2	190628K2_2	1.00	0.98	NO	43.72	1.000	1.06e4	8.63e5	1.03	2.9	1.23	bb
3	190628K2_3	2.50	1.00	NO	43.72	1.000	2.44e4	8.36e5	2.45	-2.1	1.17	bb
4	190628K2_4	400	1.04	NO	43.72	1.001	5.06e6	1.01e6	420	4.9	1.25	bb
5	190628K2_5	1000	1.04	NO	43.72	1.001	1.34e7	1.06e6	1060	5.9	1.26	bb
6	190628K2_6	50.0	1.04	NO	43.70	1.000	5.37e5	8.78e5	51.3	2.6	1.22	bb

Compound name: PCB-184

Response Factor: 1.16671
 RRF SD: 0.0410641, Relative SD: 3.51965
 Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.97	NO	44.17	1.011	2.48e3	9.11e5	0.233	-6.8	1.09	bb
2	190628K2_2	1.00	1.07	NO	44.17	1.011	1.00e4	8.63e5	0.997	-0.3	1.16	bb
3	190628K2_3	2.50	1.00	NO	44.17	1.011	2.46e4	8.36e5	2.52	0.7	1.17	bd
4	190628K2_4	400	1.04	NO	44.17	1.011	4.82e6	1.01e6	409	2.2	1.19	bb
5	190628K2_5	1000	1.03	NO	44.17	1.011	1.26e7	1.06e6	1020	1.7	1.19	bb
6	190628K2_6	50.0	1.05	NO	44.17	1.011	5.26e5	8.78e5	51.3	2.6	1.20	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-179

Response Factor: 1.17611

RRF SD: 0.0248224, Relative SD: 2.11054

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.09	NO	44.99	1.030	2.62e3	9.11e5	0.244	-2.2	1.15	bb
2	190628K2_2	1.00	1.13	NO	44.99	1.029	1.01e4	8.63e5	0.998	-0.2	1.17	bb
3	190628K2_3	2.50	1.04	NO	44.99	1.029	2.39e4	8.36e5	2.43	-2.7	1.14	bb
4	190628K2_4	400	1.03	NO	44.97	1.030	4.83e6	1.01e6	406	1.5	1.19	bb
5	190628K2_5	1000	1.04	NO	44.99	1.030	1.26e7	1.06e6	1010	1.1	1.19	bb
6	190628K2_6	50.0	1.03	NO	44.97	1.030	5.30e5	8.78e5	51.3	2.6	1.21	bb

Compound name: PCB-176

Response Factor: 1.15933

RRF SD: 0.0527895, Relative SD: 4.55344

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.01	NO	45.46	1.041	2.46e3	9.11e5	0.233	-6.9	1.08	bb
2	190628K2_2	1.00	1.07	NO	45.46	1.040	9.59e3	8.63e5	0.958	-4.2	1.11	bb
3	190628K2_3	2.50	1.03	NO	45.46	1.040	2.44e4	8.36e5	2.52	0.6	1.17	bb
4	190628K2_4	400	1.04	NO	45.46	1.041	4.82e6	1.01e6	411	2.8	1.19	bb
5	190628K2_5	1000	1.04	NO	45.46	1.041	1.27e7	1.06e6	1030	3.4	1.20	bb
6	190628K2_6	50.0	1.05	NO	45.44	1.040	5.31e5	8.78e5	52.1	4.3	1.21	bb

Compound name: PCB-186

Response Factor: 1.21797

RRF SD: 0.075789, Relative SD: 6.22255

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.12	NO	46.08	1.055	2.56e3	9.11e5	0.231	-7.7	1.12	MM
2	190628K2_2	1.00	1.10	NO	46.08	1.055	9.73e3	8.63e5	0.925	-7.5	1.13	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-186

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3 190628K2_3	2.50	1.08	NO	46.08	1.055	2.54e4	8.36e5	2.50	-0.1	1.22	bb
4 190628K2_4	400	1.04	NO	46.08	1.055	5.14e6	1.01e6	417	4.3	1.27	bb
5 190628K2_5	1000	1.03	NO	46.08	1.055	1.36e7	1.06e6	1050	5.2	1.28	bb
6 190628K2_6	50.0	1.01	NO	46.08	1.055	5.66e5	8.78e5	52.9	5.8	1.29	bb

Compound name: PCB-178

Response Factor: 0.830456

RRF SD: 0.0469064, Relative SD: 5.64827

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	0.92	NO	46.60	1.067	1.68e3	9.11e5	0.222	-11.4	0.736	MM
2 190628K2_2	1.00	1.21	NO	46.60	1.066	7.27e3	8.63e5	1.01	1.4	0.842	MM
3 190628K2_3	2.50	1.00	NO	46.60	1.066	1.78e4	8.36e5	2.56	2.6	0.852	bb
4 190628K2_4	400	1.04	NO	46.60	1.067	3.40e6	1.01e6	405	1.2	0.840	bb
5 190628K2_5	1000	1.04	NO	46.60	1.067	9.03e6	1.06e6	1020	2.5	0.851	bb
6 190628K2_6	50.0	1.03	NO	46.60	1.067	3.78e5	8.78e5	51.9	3.7	0.861	bb

Compound name: PCB-175

Response Factor: 0.848562

RRF SD: 0.0513908, Relative SD: 6.05622

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	1.17	NO	46.96	1.075	1.72e3	9.11e5	0.223	-10.8	0.757	MM
2 190628K2_2	1.00	1.10	NO	46.96	1.075	7.45e3	8.63e5	1.02	1.7	0.863	bd
3 190628K2_3	2.50	1.08	NO	46.96	1.075	1.72e4	8.36e5	2.43	-3.0	0.823	MM
4 190628K2_4	400	1.03	NO	46.96	1.075	3.52e6	1.01e6	410	2.5	0.869	bd
5 190628K2_5	1000	1.03	NO	46.96	1.075	9.34e6	1.06e6	1040	3.7	0.880	bd
6 190628K2_6	50.0	1.02	NO	46.94	1.075	3.95e5	8.78e5	53.0	5.9	0.899	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-182/187

Response Factor: 0.960034

RRF SD: 0.0466108, Relative SD: 4.85512

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.98	NO	47.13	1.079	3.99e3	9.11e5	0.456	-8.8	0.876	db
2	190628K2_2	2.00	1.03	NO	47.15	1.079	1.64e4	8.63e5	1.98	-0.8	0.952	db
3	190628K2_3	5.00	1.05	NO	47.15	1.079	3.98e4	8.36e5	4.96	-0.8	0.952	MM
4	190628K2_4	800	1.03	NO	47.13	1.079	8.00e6	1.01e6	824	3.0	0.989	db
5	190628K2_5	2000	1.02	NO	47.13	1.079	2.14e7	1.06e6	2100	5.0	1.01	db
6	190628K2_6	100	1.04	NO	47.13	1.079	8.63e5	8.78e5	102	2.4	0.983	db

Compound name: PCB-183

Response Factor: 0.956525

RRF SD: 0.0371861, Relative SD: 3.88763

Response type: Internal Std (Ref 204), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.07	NO	47.47	1.087	2.14e3	9.11e5	0.246	-1.6	0.941	bb
2	190628K2_2	1.00	0.92	NO	47.47	1.086	7.78e3	8.63e5	0.943	-5.7	0.902	bb
3	190628K2_3	2.50	0.97	NO	47.47	1.086	1.95e4	8.36e5	2.44	-2.5	0.932	bb
4	190628K2_4	400	1.03	NO	47.45	1.086	4.00e6	1.01e6	414	3.4	0.989	bb
5	190628K2_5	1000	1.03	NO	47.45	1.086	1.05e7	1.06e6	1040	3.9	0.993	bb
6	190628K2_6	50.0	1.04	NO	47.45	1.086	4.31e5	8.78e5	51.3	2.6	0.982	bb

Compound name: PCB-185

Response Factor: 1.31957

RRF SD: 0.052132, Relative SD: 3.95067

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.99	NO	48.15	0.955	1.90e3	5.87e5	0.245	-2.0	1.29	MM
2	190628K2_2	1.00	1.04	NO	48.13	0.955	6.71e3	5.46e5	0.932	-6.8	1.23	MM

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Compound name: PCB-185

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3 190628K2_3	2.50	1.07	NO	48.15	0.955	1.78e4	5.34e5	2.53	1.2	1.34	bb
4 190628K2_4	400	1.01	NO	48.13	0.955	3.46e6	6.42e5	408	2.0	1.35	bb
5 190628K2_5	1000	1.04	NO	48.13	0.955	9.14e6	6.63e5	1050	4.5	1.38	bb
6 190628K2_6	50.0	1.04	NO	48.13	0.955	3.80e5	5.69e5	50.6	1.2	1.33	bb

Compound name: PCB-174

Response Factor: 1.2187

RRF SD: 0.0862611, Relative SD: 7.07815

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	0.92	NO	48.53	0.963	1.59e3	5.87e5	0.222	-11.0	1.08	bd
2 190628K2_2	1.00	1.00	NO	48.51	0.962	6.82e3	5.46e5	1.02	2.5	1.25	bd
3 190628K2_3	2.50	1.03	NO	48.51	0.962	1.60e4	5.34e5	2.46	-1.6	1.20	bd
4 190628K2_4	400	1.02	NO	48.51	0.963	3.32e6	6.42e5	424	6.1	1.29	bd
5 190628K2_5	1000	1.03	NO	48.51	0.963	8.74e6	6.63e5	1080	8.2	1.32	bd
6 190628K2_6	50.0	1.02	NO	48.51	0.963	3.32e5	5.69e5	48.0	-4.1	1.17	MM

Compound name: PCB-181

Response Factor: 1.41444

RRF SD: 0.109219, Relative SD: 7.72171

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	1.15	NO	48.62	0.965	1.84e3	5.87e5	0.221	-11.4	1.25	db
2 190628K2_2	1.00	0.97	NO	48.62	0.965	7.40e3	5.46e5	0.959	-4.1	1.36	dd
3 190628K2_3	2.50	1.05	NO	48.62	0.965	1.83e4	5.34e5	2.42	-3.2	1.37	dd
4 190628K2_4	400	1.03	NO	48.62	0.965	3.73e6	6.42e5	411	2.7	1.45	dd
5 190628K2_5	1000	1.05	NO	48.62	0.965	9.99e6	6.63e5	1070	6.6	1.51	dd
6 190628K2_6	50.0	1.04	NO	48.60	0.965	4.40e5	5.69e5	54.7	9.4	1.55	MM

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Compound name: PCB-177

Response Factor: 1.24052

RRF SD: 0.0279876, Relative SD: 2.25612

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.98	NO	48.79	0.968	1.76e3	5.87e5	0.241	-3.6	1.20	MM
2	190628K2_2	1.00	1.05	NO	48.81	0.968	6.85e3	5.46e5	1.01	1.1	1.25	dd
3	190628K2_3	2.50	1.02	NO	48.79	0.968	1.66e4	5.34e5	2.51	0.2	1.24	db
4	190628K2_4	400	1.04	NO	48.79	0.968	3.20e6	6.42e5	402	0.6	1.25	db
5	190628K2_5	1000	1.04	NO	48.79	0.968	8.47e6	6.63e5	1030	3.0	1.28	db
6	190628K2_6	50.0	1.06	NO	48.79	0.968	3.48e5	5.69e5	49.3	-1.4	1.22	db

Compound name: PCB-171

Response Factor: 1.24211

RRF SD: 0.0735445, Relative SD: 5.92093

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.95	NO	49.10	0.974	1.75e3	5.87e5	0.240	-4.0	1.19	bb
2	190628K2_2	1.00	1.08	NO	49.10	0.974	6.36e3	5.46e5	0.937	-6.3	1.16	db
3	190628K2_3	2.50	1.04	NO	49.10	0.974	1.59e4	5.34e5	2.40	-4.1	1.19	bd
4	190628K2_4	400	1.03	NO	49.10	0.974	3.35e6	6.42e5	419	4.8	1.30	bd
5	190628K2_5	1000	1.03	NO	49.10	0.974	8.96e6	6.63e5	1090	8.9	1.35	bd
6	190628K2_6	50.0	1.05	NO	49.10	0.974	3.55e5	5.69e5	50.3	0.6	1.25	bd

Compound name: PCB-173

Response Factor: 1.14143

RRF SD: 0.0487352, Relative SD: 4.26968

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.92	NO	49.53	0.983	1.66e3	5.87e5	0.248	-0.7	1.13	MM
2	190628K2_2	1.00	1.13	NO	49.53	0.983	5.79e3	5.46e5	0.929	-7.1	1.06	db

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Compound name: PCB-173

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.98	NO	49.53	0.983	1.49e4	5.34e5	2.45	-2.0	1.12	bb
4	190628K2_4	400	1.03	NO	49.53	0.983	3.03e6	6.42e5	414	3.4	1.18	bb
5	190628K2_5	1000	1.03	NO	49.53	0.983	7.92e6	6.63e5	1050	4.8	1.20	bb
6	190628K2_6	50.0	1.04	NO	49.53	0.983	3.30e5	5.69e5	50.8	1.6	1.16	db

Compound name: PCB-172

Response Factor: 1.30718

RRF SD: 0.0890536, Relative SD: 6.81264

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.92	NO	50.01	0.992	1.80e3	5.87e5	0.234	-6.5	1.22	MM
2	190628K2_2	1.00	1.04	NO	50.01	0.992	6.73e3	5.46e5	0.943	-5.7	1.23	dd
3	190628K2_3	2.50	1.02	NO	50.01	0.992	1.66e4	5.34e5	2.37	-5.2	1.24	MM
4	190628K2_4	400	1.02	NO	50.01	0.993	3.55e6	6.42e5	423	5.8	1.38	dd
5	190628K2_5	1000	1.04	NO	50.01	0.993	9.50e6	6.63e5	1100	9.7	1.43	MM
6	190628K2_6	50.0	1.02	NO	49.99	0.992	3.79e5	5.69e5	51.0	1.9	1.33	dd

Compound name: PCB-192

Response Factor: 1.70113

RRF SD: 0.146917, Relative SD: 8.63644

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.13	NO	50.22	0.996	2.12e3	5.87e5	0.212	-15.3	1.44	bb
2	190628K2_2	1.00	1.00	NO	50.20	0.996	9.43e3	5.46e5	1.01	1.5	1.73	dd
3	190628K2_3	2.50	1.04	NO	50.22	0.996	2.20e4	5.34e5	2.42	-3.1	1.65	MM
4	190628K2_4	400	1.03	NO	50.20	0.996	4.59e6	6.42e5	420	5.0	1.79	dd
5	190628K2_5	1000	1.03	NO	50.20	0.996	1.24e7	6.63e5	1100	9.8	1.87	MM
6	190628K2_6	50.0	1.05	NO	50.20	0.996	4.94e5	5.69e5	51.1	2.2	1.74	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-180

Response Factor: 1.32008

RRF SD: 0.143324, Relative SD: 10.8572

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.01	NO	50.40	1.000	1.53e3	5.87e5	0.197	-21.2	1.04	MM
2	190628K2_2	1.00	1.13	NO	50.42	1.000	7.42e3	5.46e5	1.03	3.0	1.36	dd
3	190628K2_3	2.50	0.95	NO	50.42	1.000	1.75e4	5.34e5	2.48	-0.7	1.31	MM
4	190628K2_4	400	1.03	NO	50.42	1.001	3.63e6	6.42e5	428	6.9	1.41	dd
5	190628K2_5	1000	1.02	NO	50.42	1.001	9.49e6	6.63e5	1080	8.5	1.43	MM
6	190628K2_6	50.0	1.04	NO	50.40	1.000	3.89e5	5.69e5	51.8	3.5	1.37	dd

Compound name: PCB-193

Response Factor: 1.5393

RRF SD: 0.092681, Relative SD: 6.02099

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.05	NO	50.63	1.005	2.16e3	5.87e5	0.239	-4.4	1.47	bb
2	190628K2_2	1.00	1.15	NO	50.63	1.005	7.79e3	5.46e5	0.926	-7.4	1.43	db
3	190628K2_3	2.50	0.97	NO	50.63	1.005	1.99e4	5.34e5	2.42	-3.1	1.49	MM
4	190628K2_4	400	1.05	NO	50.61	1.005	4.11e6	6.42e5	416	3.9	1.60	db
5	190628K2_5	1000	1.03	NO	50.63	1.005	1.11e7	6.63e5	1090	8.8	1.68	MM
6	190628K2_6	50.0	1.04	NO	50.61	1.005	4.47e5	5.69e5	51.1	2.1	1.57	db

Compound name: PCB-191

Response Factor: 1.57344

RRF SD: 0.0924964, Relative SD: 5.87862

Response type: Internal Std (Ref 205), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.09	NO	50.90	1.010	2.13e3	5.87e5	0.230	-7.8	1.45	bb
2	190628K2_2	1.00	0.94	NO	50.90	1.010	8.33e3	5.46e5	0.970	-3.0	1.53	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-191

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3 190628K2_3	2.50	1.05	NO	50.90	1.010	2.03e4	5.34e5	2.41	-3.5	1.52	bb
4 190628K2_4	400	1.03	NO	50.88	1.010	4.22e6	6.42e5	417	4.3	1.64	bb
5 190628K2_5	1000	1.04	NO	50.88	1.010	1.13e7	6.63e5	1080	8.3	1.70	bb
6 190628K2_6	50.0	1.04	NO	50.88	1.010	4.55e5	5.69e5	50.9	1.8	1.60	bb

Compound name: PCB-170

Response Factor: 1.36107

RRF SD: 0.0694859, Relative SD: 5.10523

Response type: Internal Std (Ref 206), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	1.21	NO	52.09	1.001	1.71e3	4.96e5	0.254	1.6	1.38	MM
2 190628K2_2	1.00	1.09	NO	52.07	1.000	5.77e3	4.64e5	0.914	-8.6	1.24	bd
3 190628K2_3	2.50	1.02	NO	52.07	1.000	1.55e4	4.62e5	2.47	-1.3	1.34	bd
4 190628K2_4	400	1.03	NO	52.07	1.000	3.06e6	5.46e5	412	2.9	1.40	bd
5 190628K2_5	1000	1.02	NO	52.07	1.000	8.24e6	5.68e5	1070	6.5	1.45	bd
6 190628K2_6	50.0	1.02	NO	52.07	1.000	3.27e5	4.87e5	49.4	-1.2	1.35	bd

Compound name: PCB-190

Response Factor: 1.84214

RRF SD: 0.108036, Relative SD: 5.86473

Response type: Internal Std (Ref 206), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1 190628K2_1	0.250	0.97	NO	52.28	1.004	2.23e3	4.96e5	0.245	-2.1	1.80	db
2 190628K2_2	1.00	0.95	NO	52.28	1.004	7.87e3	4.64e5	0.921	-7.9	1.70	db
3 190628K2_3	2.50	0.99	NO	52.28	1.004	2.05e4	4.62e5	2.41	-3.6	1.78	db
4 190628K2_4	400	1.04	NO	52.26	1.004	4.21e6	5.46e5	418	4.5	1.93	db
5 190628K2_5	1000	1.03	NO	52.26	1.004	1.13e7	5.68e5	1080	8.4	2.00	db
6 190628K2_6	50.0	1.05	NO	52.26	1.004	4.51e5	4.87e5	50.3	0.6	1.85	db

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Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-189

Response Factor: 1.33264

RRF SD: 0.116005, Relative SD: 8.70494

Response type: Internal Std (Ref 207), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.08	NO	53.76	1.000	1.94e3	6.83e5	0.213	-14.8	1.14	bb
2	190628K2_2	1.00	1.15	NO	53.76	1.000	7.89e3	6.20e5	0.955	-4.5	1.27	bb
3	190628K2_3	2.50	1.03	NO	53.76	1.000	2.05e4	6.19e5	2.49	-0.5	1.33	bb
4	190628K2_4	400	1.02	NO	53.74	1.000	4.34e6	7.60e5	428	7.1	1.43	bb
5	190628K2_5	1000	1.02	NO	53.74	1.000	1.17e7	8.09e5	1080	8.4	1.44	bb
6	190628K2_6	50.0	1.03	NO	53.74	1.000	4.59e5	6.60e5	52.2	4.4	1.39	bb

Compound name: PCB-202

Response Factor: 1.02408

RRF SD: 0.0539754, Relative SD: 5.27063

Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.98	NO	49.31	1.000	2.20e3	9.24e5	0.232	-7.2	0.950	bb
2	190628K2_2	1.00	0.92	NO	49.31	1.000	8.50e3	8.73e5	0.950	-5.0	0.973	bb
3	190628K2_3	2.50	0.98	NO	49.31	1.000	2.16e4	8.36e5	2.52	0.7	1.03	bb
4	190628K2_4	400	0.89	NO	49.31	1.000	4.17e6	9.80e5	416	3.9	1.06	bb
5	190628K2_5	1000	0.89	NO	49.31	1.000	1.09e7	9.96e5	1070	6.7	1.09	bb
6	190628K2_6	50.0	0.89	NO	49.31	1.001	4.61e5	8.93e5	50.4	0.9	1.03	bb

Compound name: PCB-201

Response Factor: 0.91513

RRF SD: 0.0768695, Relative SD: 8.39984

Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.76	NO	49.82	1.011	1.79e3	9.24e5	0.211	-15.6	0.773	MM
2	190628K2_2	1.00	0.88	NO	49.82	1.011	8.11e3	8.73e5	1.01	1.4	0.928	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-201

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.84	NO	49.82	1.011	1.89e4	8.36e5	2.46	-1.4	0.902	bd
4	190628K2_4	400	0.88	NO	49.80	1.010	3.74e6	9.80e5	418	4.4	0.955	bd
5	190628K2_5	1000	0.91	NO	49.80	1.010	9.94e6	9.96e5	1090	9.1	0.998	bd
6	190628K2_6	50.0	0.87	NO	49.80	1.011	4.17e5	8.93e5	51.1	2.1	0.935	bd

Compound name: PCB-204

Response Factor: 0.97894

RRF SD: 0.131215, Relative SD: 13.4037

Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.95	NO	49.97	1.014	1.71e3	9.24e5	0.189	-24.4	0.740	MM
2	190628K2_2	1.00	0.83	NO	49.97	1.014	8.25e3	8.73e5	0.964	-3.6	0.944	db
3	190628K2_3	2.50	0.86	NO	49.97	1.014	2.07e4	8.36e5	2.53	1.4	0.992	db
4	190628K2_4	400	0.89	NO	49.97	1.014	4.15e6	9.80e5	433	8.2	1.06	db
5	190628K2_5	1000	0.88	NO	49.97	1.014	1.11e7	9.96e5	1140	14.3	1.12	db
6	190628K2_6	50.0	0.89	NO	49.95	1.014	4.55e5	8.93e5	52.1	4.1	1.02	db

Compound name: PCB-197

Response Factor: 0.978959

RRF SD: 0.0841723, Relative SD: 8.59815

Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.79	NO	50.29	1.020	1.97e3	9.24e5	0.218	-12.9	0.853	bb
2	190628K2_2	1.00	0.94	NO	50.29	1.020	8.00e3	8.73e5	0.936	-6.4	0.916	bb
3	190628K2_3	2.50	0.93	NO	50.29	1.020	2.04e4	8.36e5	2.49	-0.5	0.974	bb
4	190628K2_4	400	0.90	NO	50.27	1.020	4.08e6	9.80e5	425	6.2	1.04	bb
5	190628K2_5	1000	0.89	NO	50.27	1.020	1.08e7	9.96e5	1110	10.7	1.08	bb
6	190628K2_6	50.0	0.88	NO	50.27	1.020	4.49e5	8.93e5	51.4	2.9	1.01	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-200

Response Factor: 0.954148
 RRF SD: 0.0651579, Relative SD: 6.82891
 Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.77	NO	51.22	1.039	2.02e3	9.24e5	0.230	-8.2	0.876	MM
2	190628K2_2	1.00	0.87	NO	51.22	1.039	7.70e3	8.73e5	0.924	-7.6	0.881	bb
3	190628K2_3	2.50	0.93	NO	51.22	1.039	2.02e4	8.36e5	2.53	1.3	0.967	bb
4	190628K2_4	400	0.89	NO	51.22	1.039	3.93e6	9.80e5	420	5.0	1.00	bb
5	190628K2_5	1000	0.89	NO	51.22	1.039	1.04e7	9.96e5	1090	9.0	1.04	bb
6	190628K2_6	50.0	0.90	NO	51.20	1.039	4.28e5	8.93e5	50.2	0.5	0.958	bb

Compound name: PCB-198

Response Factor: 0.74824
 RRF SD: 0.0589173, Relative SD: 7.87412
 Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.84	NO	52.75	1.070	1.72e3	9.24e5	0.249	-0.6	0.744	bd
2	190628K2_2	1.00	0.99	NO	52.75	1.070	5.76e3	8.73e5	0.882	-11.8	0.660	bd
3	190628K2_3	2.50	0.89	NO	52.75	1.070	1.50e4	8.36e5	2.39	-4.2	0.717	bd
4	190628K2_4	400	0.89	NO	52.75	1.070	3.14e6	9.80e5	428	7.0	0.800	bd
5	190628K2_5	1000	0.89	NO	52.75	1.070	8.21e6	9.96e5	1100	10.1	0.824	bd
6	190628K2_6	50.0	0.88	NO	52.74	1.070	3.32e5	8.93e5	49.8	-0.5	0.745	bd

Compound name: PCB-199

Response Factor: 0.70591
 RRF SD: 0.0741558, Relative SD: 10.505
 Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.77	NO	52.87	1.073	1.35e3	9.24e5	0.208	-17.0	0.586	MM
2	190628K2_2	1.00	0.96	NO	52.87	1.073	5.87e3	8.73e5	0.953	-4.7	0.672	db

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Compound name: PCB-199

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	2.50	0.92	NO	52.87	1.073	1.50e4	8.36e5	2.53	1.4	0.716	db
4	190628K2_4	400	0.89	NO	52.87	1.073	3.02e6	9.80e5	436	9.0	0.769	db
5	190628K2_5	1000	0.89	NO	52.87	1.073	7.91e6	9.96e5	1130	12.6	0.795	db
6	190628K2_6	50.0	0.91	NO	52.87	1.073	3.11e5	8.93e5	49.4	-1.2	0.697	db

Compound name: PCB-196/203

Response Factor: 0.784758

RRF SD: 0.0626821, Relative SD: 7.98744

Response type: Internal Std (Ref 208), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.500	0.85	NO	53.17	1.079	3.74e3	9.24e5	0.516	3.1	0.809	bb
2	190628K2_2	2.00	0.92	NO	53.17	1.079	1.21e4	8.73e5	1.77	-11.7	0.693	bd
3	190628K2_3	5.00	0.89	NO	53.17	1.079	3.13e4	8.36e5	4.77	-4.6	0.748	bb
4	190628K2_4	800	0.89	NO	53.17	1.079	6.49e6	9.80e5	843	5.4	0.827	bb
5	190628K2_5	2000	0.88	NO	53.17	1.079	1.73e7	9.96e5	2210	10.6	0.868	bb
6	190628K2_6	100	0.89	NO	53.17	1.079	6.81e5	8.93e5	97.2	-2.8	0.763	bb

Compound name: PCB-195

Response Factor: 1.03344

RRF SD: 0.0794335, Relative SD: 7.68633

Response type: Internal Std (Ref 209), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.83	NO	54.43	0.984	1.35e3	5.94e5	0.220	-12.2	0.908	bb
2	190628K2_2	1.00	0.99	NO	54.45	0.984	5.39e3	5.44e5	0.959	-4.1	0.991	bd
3	190628K2_3	2.50	0.87	NO	54.45	0.984	1.42e4	5.50e5	2.49	-0.3	1.03	bd
4	190628K2_4	400	0.90	NO	54.43	0.984	2.95e6	6.70e5	426	6.4	1.10	bd
5	190628K2_5	1000	0.89	NO	54.43	0.984	7.97e6	7.05e5	1090	9.4	1.13	bd
6	190628K2_6	50.0	0.89	NO	54.43	0.984	3.10e5	5.96e5	50.4	0.8	1.04	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-194

Response Factor: 1.156

RRF SD: 0.0551277, Relative SD: 4.76883

Response type: Internal Std (Ref 209), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.00	NO	55.34	1.000	1.69e3	5.94e5	0.247	-1.3	1.14	MM
2	190628K2_2	1.00	0.87	NO	55.34	1.000	5.94e3	5.44e5	0.945	-5.5	1.09	bb
3	190628K2_3	2.50	0.97	NO	55.34	1.000	1.54e4	5.50e5	2.42	-3.2	1.12	bb
4	190628K2_4	400	0.90	NO	55.34	1.000	3.27e6	6.70e5	422	5.5	1.22	bb
5	190628K2_5	1000	0.90	NO	55.34	1.000	8.64e6	7.05e5	1060	6.1	1.23	bb
6	190628K2_6	50.0	0.91	NO	55.34	1.000	3.39e5	5.96e5	49.2	-1.6	1.14	bb

Compound name: PCB-205

Response Factor: 1.40052

RRF SD: 0.143234, Relative SD: 10.2272

Response type: Internal Std (Ref 209), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	0.78	NO	55.62	1.005	1.80e3	5.94e5	0.216	-13.5	1.21	MM
2	190628K2_2	1.00	0.93	NO	55.62	1.005	6.82e3	5.44e5	0.895	-10.5	1.25	bb
3	190628K2_3	2.50	0.86	NO	55.62	1.005	1.97e4	5.50e5	2.55	2.1	1.43	bb
4	190628K2_4	400	0.90	NO	55.62	1.005	4.09e6	6.70e5	436	8.9	1.53	bb
5	190628K2_5	1000	0.91	NO	55.62	1.005	1.11e7	7.05e5	1120	12.0	1.57	bb
6	190628K2_6	50.0	0.90	NO	55.60	1.005	4.21e5	5.96e5	50.5	1.0	1.41	bb

Compound name: PCB-208

Response Factor: 0.934251

RRF SD: 0.0412499, Relative SD: 4.41529

Response type: Internal Std (Ref 210), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.38	NO	54.59	1.000	1.75e3	7.59e5	0.246	-1.5	0.920	bb
2	190628K2_2	1.00	1.31	NO	54.59	1.000	6.37e3	7.01e5	0.973	-2.7	0.909	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-208

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	2.50	1.26	NO	54.59	1.000	1.52e4	6.91e5	2.36	-5.7	0.881	bb
4	190628K2_4	400	1.30	NO	54.59	1.000	3.21e6	8.36e5	411	2.7	0.960	bb
5	190628K2_5	1000	1.30	NO	54.59	1.000	8.64e6	8.64e5	1070	7.0	0.999	bb
6	190628K2_6	50.0	1.33	NO	54.58	1.000	3.44e5	7.35e5	50.1	0.2	0.936	bb

Compound name: PCB-207

Response Factor: 0.912134

RRF SD: 0.0629456, Relative SD: 6.90091

Response type: Internal Std (Ref 210), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.16	NO	54.92	1.006	1.55e3	7.59e5	0.224	-10.3	0.818	MM
2	190628K2_2	1.00	1.28	NO	54.92	1.006	6.24e3	7.01e5	0.976	-2.4	0.890	bb
3	190628K2_3	2.50	1.39	NO	54.92	1.006	1.53e4	6.91e5	2.43	-2.9	0.885	bb
4	190628K2_4	400	1.31	NO	54.92	1.006	3.22e6	8.36e5	422	5.4	0.962	bb
5	190628K2_5	1000	1.30	NO	54.92	1.006	8.62e6	8.64e5	1090	9.3	0.997	bb
6	190628K2_6	50.0	1.29	NO	54.92	1.007	3.38e5	7.35e5	50.5	0.9	0.921	bb

Compound name: PCB-206

Response Factor: 0.987493

RRF SD: 0.0524678, Relative SD: 5.31324

Response type: Internal Std (Ref 211), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.47	NO	56.88	1.000	1.31e3	5.58e5	0.238	-4.8	0.940	bb
2	190628K2_2	1.00	1.35	NO	56.88	1.000	4.63e3	4.86e5	0.964	-3.6	0.952	bb
3	190628K2_3	2.50	1.30	NO	56.88	1.000	1.20e4	5.08e5	2.40	-4.2	0.946	bb
4	190628K2_4	400	1.31	NO	56.88	1.000	2.55e6	6.25e5	414	3.4	1.02	bb
5	190628K2_5	1000	1.30	NO	56.88	1.000	6.85e6	6.39e5	1090	8.7	1.07	bb
6	190628K2_6	50.0	1.33	NO	56.88	1.000	2.64e5	5.31e5	50.2	0.5	0.992	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: PCB-209

Response Factor: 0.942577

RRF SD: 0.0529671, Relative SD: 5.61939

Response type: Internal Std (Ref 212), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	0.250	1.15	NO	58.09	1.000	1.49e3	6.89e5	0.229	-8.4	0.864	MM
2	190628K2_2	1.00	1.21	NO	58.09	1.000	5.65e3	5.90e5	1.02	1.7	0.959	bb
3	190628K2_3	2.50	1.16	NO	58.09	1.000	1.43e4	6.36e5	2.38	-5.0	0.896	bb
4	190628K2_4	400	1.17	NO	58.09	1.000	3.01e6	7.64e5	418	4.5	0.985	bb
5	190628K2_5	1000	1.19	NO	58.09	1.000	8.06e6	8.04e5	1060	6.3	1.00	bb
6	190628K2_6	50.0	1.19	NO	58.09	1.000	3.09e5	6.50e5	50.4	0.8	0.950	bb

Compound name: 13C-PCB-1

Response Factor: 1.0775

RRF SD: 0.0449431, Relative SD: 4.17105

Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	3.06	NO	16.00	0.612	2.00e6	1.81e6	102	2.2	1.10	bb
2	190628K2_2	100	3.05	NO	16.02	0.612	1.99e6	1.78e6	103	3.3	1.11	bb
3	190628K2_3	100	3.05	NO	16.02	0.612	1.90e6	1.70e6	104	3.7	1.12	bb
4	190628K2_4	100	3.05	NO	16.02	0.613	2.27e6	2.17e6	96.8	-3.2	1.04	bb
5	190628K2_5	100	3.02	NO	16.02	0.613	2.28e6	2.27e6	93.1	-6.9	1.00	bb
6	190628K2_6	100	3.04	NO	16.01	0.612	1.96e6	1.81e6	101	0.9	1.09	bb

Compound name: 13C-PCB-3

Response Factor: 1.09089

RRF SD: 0.0390643, Relative SD: 3.58095

Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	3.05	NO	18.70	0.715	2.02e6	1.81e6	102	2.2	1.11	bb
2	190628K2_2	100	3.05	NO	18.71	0.715	1.99e6	1.78e6	102	2.1	1.11	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-3

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	100	3.04	NO	18.71	0.715	1.92e6	1.70e6	103	3.4	1.13	bb
4	190628K2_4	100	3.04	NO	18.71	0.715	2.30e6	2.17e6	96.9	-3.1	1.06	bb
5	190628K2_5	100	3.03	NO	18.71	0.715	2.34e6	2.27e6	94.3	-5.7	1.03	bb
6	190628K2_6	100	3.04	NO	18.70	0.715	1.99e6	1.81e6	101	1.0	1.10	bb

Compound name: 13C-PCB-4

Response Factor: 0.639891

RRF SD: 0.0240256, Relative SD: 3.75464

Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.60	NO	20.08	0.768	1.18e6	1.81e6	102	1.5	0.650	bb
2	190628K2_2	100	1.62	NO	20.09	0.768	1.17e6	1.78e6	102	2.5	0.656	bb
3	190628K2_3	100	1.62	NO	20.10	0.768	1.13e6	1.70e6	103	3.3	0.661	bb
4	190628K2_4	100	1.59	NO	20.09	0.768	1.35e6	2.17e6	96.7	-3.3	0.619	bb
5	190628K2_5	100	1.60	NO	20.09	0.768	1.37e6	2.27e6	94.0	-6.0	0.601	bb
6	190628K2_6	100	1.64	NO	20.08	0.768	1.18e6	1.81e6	102	2.0	0.653	bb

Compound name: 13C-PCB-9

Response Factor: 0.99535

RRF SD: 0.0377122, Relative SD: 3.78884

Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.57	NO	21.92	0.838	1.85e6	1.81e6	103	2.5	1.02	bb
2	190628K2_2	100	1.58	NO	21.94	0.839	1.83e6	1.78e6	103	3.0	1.02	bb
3	190628K2_3	100	1.60	NO	21.94	0.839	1.74e6	1.70e6	103	2.8	1.02	bb
4	190628K2_4	100	1.60	NO	21.93	0.839	2.08e6	2.17e6	96.3	-3.7	0.958	bb
5	190628K2_5	100	1.61	NO	21.93	0.839	2.13e6	2.27e6	94.2	-5.8	0.938	bb
6	190628K2_6	100	1.58	NO	21.93	0.839	1.82e6	1.81e6	101	1.2	1.01	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-11

Response Factor: 0.971426
 RRF SD: 0.0219408, Relative SD: 2.25862
 Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.59	NO	25.42	0.972	1.80e6	1.81e6	102	2.1	0.992	bb
2	190628K2_2	100	1.59	NO	25.43	0.972	1.77e6	1.78e6	102	1.9	0.990	bd
3	190628K2_3	100	1.59	NO	25.44	0.972	1.68e6	1.70e6	102	1.6	0.987	bb
4	190628K2_4	100	1.59	NO	25.43	0.972	2.06e6	2.17e6	97.4	-2.6	0.946	bb
5	190628K2_5	100	1.59	NO	25.43	0.972	2.15e6	2.27e6	97.2	-2.8	0.944	bb
6	190628K2_6	100	1.60	NO	25.42	0.972	1.75e6	1.81e6	99.9	-0.1	0.971	bb

Compound name: 13C-PCB-19

Response Factor: 0.637272
 RRF SD: 0.0290614, Relative SD: 4.56029
 Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.02	NO	24.37	0.932	1.20e6	1.81e6	104	4.1	0.664	bb
2	190628K2_2	100	1.04	NO	24.38	0.932	1.17e6	1.78e6	103	2.7	0.655	bb
3	190628K2_3	100	1.03	NO	24.38	0.932	1.12e6	1.70e6	104	3.7	0.661	bb
4	190628K2_4	100	1.03	NO	24.38	0.932	1.34e6	2.17e6	96.6	-3.4	0.615	bb
5	190628K2_5	100	1.03	NO	24.38	0.932	1.34e6	2.27e6	92.6	-7.4	0.590	bb
6	190628K2_6	100	1.02	NO	24.37	0.932	1.15e6	1.81e6	100	0.3	0.639	bb

Compound name: 13C-PCB-32

Response Factor: 0.909913
 RRF SD: 0.017557, Relative SD: 1.92952
 Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.04	NO	27.39	1.047	1.69e6	1.81e6	102	2.3	0.931	bb
2	190628K2_2	100	1.05	NO	27.40	1.047	1.64e6	1.78e6	101	0.8	0.917	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-32

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	100	1.03	NO	27.40	1.047	1.57e6	1.70e6	101	1.3	0.922	bb
4	190628K2_4	100	1.05	NO	27.39	1.047	1.94e6	2.17e6	97.8	-2.2	0.890	bb
5	190628K2_5	100	1.05	NO	27.40	1.048	2.02e6	2.27e6	97.5	-2.5	0.887	bb
6	190628K2_6	100	1.03	NO	27.39	1.047	1.65e6	1.81e6	100	0.3	0.913	bb

Compound name: 13C-PCB-28

Response Factor: 1.06917

RRF SD: 0.0795995, Relative SD: 7.44496

Response type: Internal Std (Ref 214), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.00	NO	29.41	1.003	1.52e6	1.53e6	93.0	-7.0	0.995	db
2	190628K2_2	100	0.98	NO	29.43	1.004	1.57e6	1.45e6	101	1.5	1.08	db
3	190628K2_3	100	0.97	NO	29.43	1.004	1.54e6	1.37e6	105	4.6	1.12	db
4	190628K2_4	100	0.98	NO	29.43	1.004	1.79e6	1.78e6	93.9	-6.1	1.00	db
5	190628K2_5	100	0.98	NO	29.43	1.004	1.86e6	1.83e6	95.1	-4.9	1.02	db
6	190628K2_6	100	0.98	NO	29.41	1.003	1.67e6	1.39e6	112	12.0	1.20	db

Compound name: 13C-PCB-37

Response Factor: 0.959494

RRF SD: 0.0266436, Relative SD: 2.77684

Response type: Internal Std (Ref 214), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.99	NO	33.43	1.140	1.43e6	1.53e6	97.5	-2.5	0.935	bb
2	190628K2_2	100	0.98	NO	33.45	1.141	1.38e6	1.45e6	99.6	-0.4	0.955	bb
3	190628K2_3	100	0.99	NO	33.45	1.141	1.33e6	1.37e6	101	0.6	0.966	bb
4	190628K2_4	100	0.99	NO	33.43	1.140	1.67e6	1.78e6	97.3	-2.7	0.934	bb
5	190628K2_5	100	0.97	NO	33.43	1.140	1.76e6	1.83e6	100	-0.0	0.959	bb
6	190628K2_6	100	0.98	NO	33.43	1.140	1.40e6	1.39e6	105	5.0	1.01	bb

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Compound name: 13C-PCB-54

Response Factor: 1.09828

RRF SD: 0.0339907, Relative SD: 3.09489

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.77	NO	28.25	0.756	1.40e6	1.25e6	102	2.0	1.12	bb
2	190628K2_2	100	0.77	NO	28.25	0.756	1.36e6	1.22e6	102	2.2	1.12	bb
3	190628K2_3	100	0.77	NO	28.25	0.756	1.32e6	1.16e6	103	3.1	1.13	bb
4	190628K2_4	100	0.77	NO	28.25	0.756	1.58e6	1.47e6	97.8	-2.2	1.07	bb
5	190628K2_5	100	0.77	NO	28.25	0.756	1.61e6	1.55e6	95.0	-5.0	1.04	bb
6	190628K2_6	100	0.77	NO	28.25	0.756	1.37e6	1.25e6	99.9	-0.1	1.10	bb

Compound name: 13C-PCB-52

Response Factor: 0.844174

RRF SD: 0.022517, Relative SD: 2.66734

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.77	NO	31.92	0.854	1.07e6	1.25e6	101	1.2	0.855	bb
2	190628K2_2	100	0.77	NO	31.94	0.855	1.04e6	1.22e6	101	1.2	0.855	bb
3	190628K2_3	100	0.76	NO	31.94	0.855	1.02e6	1.16e6	103	3.5	0.873	bb
4	190628K2_4	100	0.77	NO	31.92	0.854	1.23e6	1.47e6	99.0	-1.0	0.836	bb
5	190628K2_5	100	0.77	NO	31.92	0.854	1.25e6	1.55e6	95.6	-4.4	0.807	bd
6	190628K2_6	100	0.77	NO	31.92	0.854	1.05e6	1.25e6	99.4	-0.6	0.839	bb

Compound name: 13C-PCB-47

Response Factor: 0.893306

RRF SD: 0.0118289, Relative SD: 1.32417

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.77	NO	32.44	0.868	1.14e6	1.25e6	102	1.8	0.910	bb
2	190628K2_2	100	0.77	NO	32.46	0.869	1.09e6	1.22e6	100	0.4	0.897	bb

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Compound name: 13C-PCB-47

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
3 190628K2_3	100	0.78	NO	32.46	0.869	1.05e6	1.16e6	101	1.1	0.903	bb
4 190628K2_4	100	0.76	NO	32.44	0.868	1.31e6	1.47e6	99.1	-0.9	0.885	bb
5 190628K2_5	100	0.75	NO	32.44	0.868	1.37e6	1.55e6	98.9	-1.1	0.883	bb
6 190628K2_6	100	0.76	NO	32.44	0.868	1.10e6	1.25e6	98.7	-1.3	0.881	bb

Compound name: 13C-PCB-70

Response Factor: 1.00762

RRF SD: 0.00962693, Relative SD: 0.955414

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1 190628K2_1	100	0.77	NO	36.09	0.966	1.27e6	1.25e6	100	0.4	1.01	bb
2 190628K2_2	100	0.76	NO	36.09	0.966	1.22e6	1.22e6	99.5	-0.5	1.00	bb
3 190628K2_3	100	0.78	NO	36.11	0.966	1.18e6	1.16e6	101	1.1	1.02	bb
4 190628K2_4	100	0.77	NO	36.09	0.966	1.49e6	1.47e6	100	0.4	1.01	bb
5 190628K2_5	100	0.78	NO	36.09	0.966	1.56e6	1.55e6	100	0.2	1.01	bb
6 190628K2_6	100	0.77	NO	36.09	0.966	1.24e6	1.25e6	98.4	-1.6	0.991	bb

Compound name: 13C-PCB-80

Response Factor: 1.04583

RRF SD: 0.0107662, Relative SD: 1.02944

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc.	RA	n/y	RT	RRT	Resp.	IS Resp.	Conc.	%Dev.	RRF	X = dropped
1 190628K2_1	100	0.76	NO	36.53	0.978	1.31e6	1.25e6	100	0.3	1.05	bb
2 190628K2_2	100	0.77	NO	36.53	0.978	1.25e6	1.22e6	98.5	-1.5	1.03	bb
3 190628K2_3	100	0.77	NO	36.53	0.978	1.23e6	1.16e6	101	1.5	1.06	bb
4 190628K2_4	100	0.79	NO	36.52	0.977	1.53e6	1.47e6	99.5	-0.5	1.04	bb
5 190628K2_5	100	0.77	NO	36.53	0.978	1.61e6	1.55e6	99.5	-0.5	1.04	bb
6 190628K2_6	100	0.78	NO	36.52	0.977	1.31e6	1.25e6	101	0.6	1.05	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-81

Response Factor: 0.984949

RRF SD: 0.00519456, Relative SD: 0.527394

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.77	NO	39.74	1.063	1.24e6	1.25e6	101	0.5	0.990	dd
2	190628K2_2	100	0.77	NO	39.75	1.064	1.19e6	1.22e6	99.5	-0.5	0.980	dd
3	190628K2_3	100	0.77	NO	39.74	1.063	1.14e6	1.16e6	99.2	-0.8	0.977	bd
4	190628K2_4	100	0.76	NO	39.74	1.063	1.46e6	1.47e6	100	0.4	0.989	bd
5	190628K2_5	100	0.76	NO	39.74	1.063	1.53e6	1.55e6	100	0.2	0.987	bd
6	190628K2_6	100	0.78	NO	39.74	1.063	1.23e6	1.25e6	100	0.1	0.986	dd

Compound name: 13C-PCB-77

Response Factor: 0.958367

RRF SD: 0.0203246, Relative SD: 2.12075

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.78	NO	40.35	1.080	1.21e6	1.25e6	101	0.7	0.965	bd
2	190628K2_2	100	0.79	NO	40.37	1.080	1.13e6	1.22e6	96.8	-3.2	0.928	bb
3	190628K2_3	100	0.78	NO	40.37	1.080	1.11e6	1.16e6	99.4	-0.6	0.952	bb
4	190628K2_4	100	0.79	NO	40.35	1.080	1.44e6	1.47e6	102	2.0	0.978	bb
5	190628K2_5	100	0.78	NO	40.35	1.080	1.52e6	1.55e6	102	2.4	0.982	bb
6	190628K2_6	100	0.78	NO	40.35	1.080	1.18e6	1.25e6	98.7	-1.3	0.946	bd

Compound name: 13C-PCB-104

Response Factor: 1.09695

RRF SD: 0.0312368, Relative SD: 2.8476

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.59	NO	33.11	0.829	1.30e6	1.16e6	103	2.8	1.13	bb
2	190628K2_2	100	1.62	NO	33.13	0.829	1.26e6	1.13e6	101	1.2	1.11	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-104

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	100	1.56	NO	33.13	0.829	1.21e6	1.08e6	103	3.0	1.13	bb
4	190628K2_4	100	1.59	NO	33.11	0.829	1.46e6	1.37e6	96.7	-3.3	1.06	bb
5	190628K2_5	100	1.60	NO	33.13	0.830	1.49e6	1.41e6	96.6	-3.4	1.06	bb
6	190628K2_6	100	1.58	NO	33.11	0.829	1.27e6	1.17e6	99.7	-0.3	1.09	bb

Compound name: 13C-PCB-95

Response Factor: 0.852056

RRF SD: 0.016469, Relative SD: 1.93285

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.61	NO	36.40	0.911	9.93e5	1.16e6	101	0.8	0.859	bb
2	190628K2_2	100	1.62	NO	36.40	0.911	9.59e5	1.13e6	99.3	-0.7	0.846	bb
3	190628K2_3	100	1.58	NO	36.40	0.911	9.46e5	1.08e6	103	3.2	0.879	bb
4	190628K2_4	100	1.59	NO	36.40	0.911	1.15e6	1.37e6	98.2	-1.8	0.837	bb
5	190628K2_5	100	1.62	NO	36.40	0.911	1.21e6	1.41e6	100	0.5	0.856	bb
6	190628K2_6	100	1.65	NO	36.39	0.911	9.73e5	1.17e6	98.1	-1.9	0.835	bb

Compound name: 13C-PCB-101

Response Factor: 0.813658

RRF SD: 0.0173621, Relative SD: 2.13384

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.58	NO	38.15	0.955	9.69e5	1.16e6	103	3.0	0.838	bb
2	190628K2_2	100	1.62	NO	38.15	0.955	9.17e5	1.13e6	99.4	-0.6	0.809	bb
3	190628K2_3	100	1.62	NO	38.15	0.955	8.90e5	1.08e6	102	1.7	0.827	bb
4	190628K2_4	100	1.64	NO	38.15	0.955	1.08e6	1.37e6	97.0	-3.0	0.789	bb
5	190628K2_5	100	1.60	NO	38.15	0.955	1.13e6	1.41e6	98.8	-1.2	0.804	bb
6	190628K2_6	100	1.60	NO	38.14	0.955	9.49e5	1.17e6	100	0.1	0.815	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-97

Response Factor: 0.709353

RRF SD: 0.0178988, Relative SD: 2.52326

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.63	NO	39.49	0.989	8.42e5	1.16e6	103	2.7	0.728	bb
2	190628K2_2	100	1.60	NO	39.49	0.989	8.07e5	1.13e6	100	0.4	0.712	bb
3	190628K2_3	100	1.61	NO	39.49	0.989	7.81e5	1.08e6	102	2.4	0.727	bb
4	190628K2_4	100	1.63	NO	39.49	0.989	9.44e5	1.37e6	96.9	-3.1	0.687	bb
5	190628K2_5	100	1.63	NO	39.49	0.989	9.71e5	1.41e6	97.0	-3.0	0.688	bb
6	190628K2_6	100	1.62	NO	39.49	0.989	8.31e5	1.17e6	101	0.5	0.713	bb

Compound name: 13C-PCB-123

Response Factor: 0.921605

RRF SD: 0.0152087, Relative SD: 1.65024

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.60	NO	42.15	1.056	1.09e6	1.16e6	102	2.1	0.941	bd
2	190628K2_2	100	1.63	NO	42.15	1.055	1.04e6	1.13e6	99.6	-0.4	0.918	bd
3	190628K2_3	100	1.61	NO	42.15	1.055	1.01e6	1.08e6	102	1.6	0.936	bd
4	190628K2_4	100	1.57	NO	42.15	1.056	1.24e6	1.37e6	97.7	-2.3	0.901	bd
5	190628K2_5	100	1.58	NO	42.15	1.056	1.28e6	1.41e6	98.9	-1.1	0.911	bd
6	190628K2_6	100	1.62	NO	42.14	1.055	1.07e6	1.17e6	100	0.1	0.923	bd

Compound name: 13C-PCB-118

Response Factor: 0.974956

RRF SD: 0.0102057, Relative SD: 1.04679

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.64	NO	42.34	1.060	1.14e6	1.16e6	101	1.4	0.989	db
2	190628K2_2	100	1.63	NO	42.34	1.060	1.09e6	1.13e6	99.0	-1.0	0.965	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-118

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	100	1.61	NO	42.34	1.060	1.04e6	1.08e6	99.5	-0.5	0.970	db
4	190628K2_4	100	1.60	NO	42.34	1.060	1.35e6	1.37e6	101	0.7	0.981	db
5	190628K2_5	100	1.62	NO	42.34	1.060	1.38e6	1.41e6	101	0.6	0.981	db
6	190628K2_6	100	1.60	NO	42.32	1.060	1.12e6	1.17e6	98.9	-1.1	0.964	db

Compound name: 13C-PCB-114

Response Factor: 1.5194

RRF SD: 0.0421961, Relative SD: 2.77715

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.57	NO	43.02	0.909	9.51e5	6.32e5	99.1	-0.9	1.51	bb
2	190628K2_2	100	1.55	NO	43.02	0.909	9.12e5	6.11e5	98.2	-1.8	1.49	bb
3	190628K2_3	100	1.54	NO	43.02	0.909	8.94e5	5.87e5	100	0.2	1.52	bb
4	190628K2_4	100	1.54	NO	43.02	0.909	1.12e6	7.19e5	103	2.6	1.56	bb
5	190628K2_5	100	1.54	NO	43.02	0.909	1.18e6	7.49e5	104	3.6	1.57	bb
6	190628K2_6	100	1.56	NO	43.02	0.910	9.55e5	6.54e5	96.2	-3.8	1.46	bd

Compound name: 13C-PCB-105

Response Factor: 1.58333

RRF SD: 0.0248304, Relative SD: 1.56824

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.56	NO	43.91	0.928	1.01e6	6.32e5	101	1.1	1.60	dd
2	190628K2_2	100	1.55	NO	43.91	0.928	9.63e5	6.11e5	99.5	-0.5	1.58	dd
3	190628K2_3	100	1.57	NO	43.91	0.928	9.24e5	5.87e5	99.5	-0.5	1.57	dd
4	190628K2_4	100	1.56	NO	43.91	0.928	1.15e6	7.19e5	101	0.9	1.60	bd
5	190628K2_5	100	1.56	NO	43.91	0.928	1.21e6	7.49e5	102	1.7	1.61	bd
6	190628K2_6	100	1.53	NO	43.91	0.928	1.01e6	6.54e5	97.4	-2.6	1.54	bd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-127

Response Factor: 1.6216

RRF SD: 0.0248818, Relative SD: 1.5344

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.54	NO	44.25	0.935	1.03e6	6.32e5	101	0.6	1.63	db
2	190628K2_2	100	1.56	NO	44.27	0.936	1.00e6	6.11e5	101	1.0	1.64	db
3	190628K2_3	100	1.57	NO	44.27	0.936	9.66e5	5.87e5	101	1.5	1.65	dd
4	190628K2_4	100	1.54	NO	44.25	0.935	1.16e6	7.19e5	99.8	-0.2	1.62	bb
5	190628K2_5	100	1.58	NO	44.25	0.935	1.22e6	7.49e5	100	0.0	1.62	bb
6	190628K2_6	100	1.53	NO	44.25	0.936	1.03e6	6.54e5	97.1	-2.9	1.58	bb

Compound name: 13C-PCB-126

Response Factor: 1.44528

RRF SD: 0.0309095, Relative SD: 2.13865

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.55	NO	46.22	0.977	9.10e5	6.32e5	99.7	-0.3	1.44	bd
2	190628K2_2	100	1.57	NO	46.22	0.977	8.64e5	6.11e5	97.8	-2.2	1.41	bd
3	190628K2_3	100	1.57	NO	46.22	0.977	8.49e5	5.87e5	100	0.1	1.45	bd
4	190628K2_4	100	1.56	NO	46.22	0.977	1.06e6	7.19e5	102	2.1	1.48	bb
5	190628K2_5	100	1.55	NO	46.22	0.977	1.11e6	7.49e5	103	2.8	1.49	bb
6	190628K2_6	100	1.55	NO	46.22	0.977	9.21e5	6.54e5	97.5	-2.5	1.41	bd

Compound name: 13C-PCB-155

Response Factor: 1.02601

RRF SD: 0.055855, Relative SD: 5.44389

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.25	NO	37.67	0.943	1.26e6	1.16e6	106	6.1	1.09	bb
2	190628K2_2	100	1.29	NO	37.67	0.943	1.20e6	1.13e6	103	3.5	1.06	bb

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Compound name: 13C-PCB-155

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	100	1.28	NO	37.67	0.943	1.15e6	1.08e6	104	4.3	1.07	bb
4	190628K2_4	100	1.23	NO	37.67	0.943	1.32e6	1.37e6	93.6	-6.4	0.961	bb
5	190628K2_5	100	1.24	NO	37.67	0.943	1.36e6	1.41e6	93.8	-6.2	0.963	bb
6	190628K2_6	100	1.29	NO	37.67	0.943	1.18e6	1.17e6	98.7	-1.3	1.01	bb

Compound name: 13C-PCB-153

Response Factor: 1.42376

RRF SD: 0.0366483, Relative SD: 2.57404

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.25	NO	44.08	0.932	9.27e5	6.32e5	103	3.1	1.47	bb
2	190628K2_2	100	1.27	NO	44.08	0.932	8.81e5	6.11e5	101	1.3	1.44	bb
3	190628K2_3	100	1.28	NO	44.08	0.932	8.55e5	5.87e5	102	2.3	1.46	bb
4	190628K2_4	100	1.28	NO	44.08	0.932	1.01e6	7.19e5	98.8	-1.2	1.41	bb
5	190628K2_5	100	1.27	NO	44.08	0.932	1.04e6	7.49e5	97.3	-2.7	1.39	bb
6	190628K2_6	100	1.24	NO	44.06	0.932	9.04e5	6.54e5	97.2	-2.8	1.38	bb

Compound name: 13C-PCB-141

Response Factor: 1.1427

RRF SD: 0.0320411, Relative SD: 2.80397

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.28	NO	44.83	0.947	7.44e5	6.32e5	103	3.0	1.18	bb
2	190628K2_2	100	1.30	NO	44.83	0.948	7.19e5	6.11e5	103	3.0	1.18	bb
3	190628K2_3	100	1.28	NO	44.83	0.948	6.77e5	5.87e5	101	0.9	1.15	bb
4	190628K2_4	100	1.26	NO	44.83	0.947	8.10e5	7.19e5	98.6	-1.4	1.13	bb
5	190628K2_5	100	1.27	NO	44.83	0.947	8.22e5	7.49e5	96.0	-4.0	1.10	bb
6	190628K2_6	100	1.28	NO	44.83	0.948	7.35e5	6.54e5	98.5	-1.5	1.13	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-138

Response Factor: 1.18003
 RRF SD: 0.0183162, Relative SD: 1.55219
 Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.26	NO	45.71	0.966	7.59e5	6.32e5	102	1.8	1.20	bb
2	190628K2_2	100	1.28	NO	45.71	0.966	7.22e5	6.11e5	100	0.1	1.18	bb
3	190628K2_3	100	1.25	NO	45.71	0.966	7.06e5	5.87e5	102	1.9	1.20	bb
4	190628K2_4	100	1.25	NO	45.71	0.966	8.40e5	7.19e5	99.0	-1.0	1.17	bb
5	190628K2_5	100	1.28	NO	45.71	0.966	8.73e5	7.49e5	98.8	-1.2	1.17	bb
6	190628K2_6	100	1.25	NO	45.69	0.966	7.59e5	6.54e5	98.4	-1.6	1.16	bb

Compound name: 13C-PCB-159

Response Factor: 1.43334
 RRF SD: 0.0182723, Relative SD: 1.2748
 Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.26	NO	47.03	0.994	9.24e5	6.32e5	102	2.0	1.46	bd
2	190628K2_2	100	1.23	NO	47.03	0.994	8.65e5	6.11e5	98.7	-1.3	1.41	bb
3	190628K2_3	100	1.26	NO	47.03	0.994	8.45e5	5.87e5	100	0.4	1.44	bd
4	190628K2_4	100	1.26	NO	47.03	0.994	1.03e6	7.19e5	99.6	-0.4	1.43	bd
5	190628K2_5	100	1.27	NO	47.03	0.994	1.08e6	7.49e5	101	0.5	1.44	bd
6	190628K2_6	100	1.26	NO	47.03	0.994	9.24e5	6.54e5	98.7	-1.3	1.41	bd

Compound name: 13C-PCB-167

Response Factor: 1.42407
 RRF SD: 0.0216388, Relative SD: 1.51951
 Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.27	NO	47.73	1.009	9.22e5	6.32e5	103	2.5	1.46	bb
2	190628K2_2	100	1.28	NO	47.73	1.009	8.60e5	6.11e5	98.9	-1.1	1.41	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-167

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	100	1.26	NO	47.73	1.009	8.45e5	5.87e5	101	1.1	1.44	bb
4	190628K2_4	100	1.24	NO	47.73	1.009	1.01e6	7.19e5	98.8	-1.2	1.41	bb
5	190628K2_5	100	1.25	NO	47.73	1.009	1.07e6	7.49e5	99.8	-0.2	1.42	bb
6	190628K2_6	100	1.27	NO	47.73	1.009	9.21e5	6.54e5	98.9	-1.1	1.41	bb

Compound name: 13C-PCB-156

Response Factor: 1.39757

RRF SD: 0.0238831, Relative SD: 1.70891

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.26	NO	49.06	1.037	8.89e5	6.32e5	101	0.8	1.41	bb
2	190628K2_2	100	1.27	NO	49.08	1.037	8.48e5	6.11e5	99.3	-0.7	1.39	bd
3	190628K2_3	100	1.26	NO	49.08	1.037	8.22e5	5.87e5	100	0.2	1.40	bd
4	190628K2_4	100	1.28	NO	49.06	1.037	1.01e6	7.19e5	100	0.3	1.40	bb
5	190628K2_5	100	1.27	NO	49.06	1.037	1.07e6	7.49e5	102	2.3	1.43	bb
6	190628K2_6	100	1.28	NO	49.06	1.037	8.87e5	6.54e5	97.1	-2.9	1.36	bd

Compound name: 13C-PCB-157

Response Factor: 1.40667

RRF SD: 0.0289658, Relative SD: 2.05919

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.28	NO	49.34	1.043	9.06e5	6.32e5	102	2.0	1.44	bb
2	190628K2_2	100	1.28	NO	49.34	1.043	8.34e5	6.11e5	97.0	-3.0	1.36	db
3	190628K2_3	100	1.25	NO	49.34	1.043	8.40e5	5.87e5	102	1.7	1.43	db
4	190628K2_4	100	1.24	NO	49.34	1.043	1.01e6	7.19e5	100	0.1	1.41	bb
5	190628K2_5	100	1.27	NO	49.34	1.043	1.07e6	7.49e5	101	1.2	1.42	bb
6	190628K2_6	100	1.28	NO	49.34	1.043	9.01e5	6.54e5	98.0	-2.0	1.38	dd

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-169

Response Factor: 1.34613

RRF SD: 0.0307594, Relative SD: 2.28501

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.26	NO	51.62	1.091	8.71e5	6.32e5	102	2.4	1.38	bb
2	190628K2_2	100	1.25	NO	51.62	1.091	8.00e5	6.11e5	97.2	-2.8	1.31	bb
3	190628K2_3	100	1.28	NO	51.62	1.091	7.92e5	5.87e5	100	0.3	1.35	bd
4	190628K2_4	100	1.27	NO	51.62	1.091	9.82e5	7.19e5	101	1.5	1.37	bb
5	190628K2_5	100	1.27	NO	51.62	1.091	1.02e6	7.49e5	102	1.5	1.37	bb
6	190628K2_6	100	1.26	NO	51.62	1.091	8.55e5	6.54e5	97.2	-2.8	1.31	bb

Compound name: 13C-PCB-188

Response Factor: 1.46265

RRF SD: 0.0268105, Relative SD: 1.83302

Response type: Internal Std (Ref 218), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.44	NO	43.68	0.927	9.11e5	6.10e5	102	2.1	1.49	bb
2	190628K2_2	100	0.45	NO	43.70	0.927	8.63e5	5.90e5	100	0.1	1.46	bb
3	190628K2_3	100	0.45	NO	43.70	0.927	8.36e5	5.65e5	101	1.2	1.48	bb
4	190628K2_4	100	0.44	NO	43.68	0.927	1.01e6	6.91e5	100	0.0	1.46	bb
5	190628K2_5	100	0.44	NO	43.68	0.927	1.06e6	7.27e5	99.9	-0.1	1.46	bb
6	190628K2_6	100	0.45	NO	43.68	0.927	8.78e5	6.21e5	96.7	-3.3	1.41	bb

Compound name: 13C-PCB-180

Response Factor: 0.931916

RRF SD: 0.019065, Relative SD: 2.04579

Response type: Internal Std (Ref 218), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.45	NO	50.40	1.070	5.87e5	6.10e5	103	3.3	0.962	bb
2	190628K2_2	100	0.46	NO	50.40	1.070	5.46e5	5.90e5	99.4	-0.6	0.926	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-180

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_3	100	0.46	NO	50.40	1.070	5.34e5	5.65e5	102	1.5	0.946	bd
190628K2_4	100	0.44	NO	50.39	1.069	6.42e5	6.91e5	99.7	-0.3	0.929	bd
190628K2_5	100	0.46	NO	50.39	1.069	6.63e5	7.27e5	97.8	-2.2	0.912	bb
190628K2_6	100	0.44	NO	50.39	1.069	5.69e5	6.21e5	98.3	-1.7	0.916	bb

Compound name: 13C-PCB-170

Response Factor: 0.795673
 RRF SD: 0.015612, Relative SD: 1.96211
 Response type: Internal Std (Ref 218), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	100	0.46	NO	52.05	1.105	4.96e5	6.10e5	102	2.0	0.812	bb
190628K2_2	100	0.47	NO	52.05	1.105	4.64e5	5.90e5	98.9	-1.1	0.787	bb
190628K2_3	100	0.46	NO	52.05	1.105	4.62e5	5.65e5	103	2.9	0.819	bb
190628K2_4	100	0.45	NO	52.05	1.105	5.46e5	6.91e5	99.4	-0.6	0.791	bb
190628K2_5	100	0.45	NO	52.05	1.105	5.68e5	7.27e5	98.3	-1.7	0.782	bb
190628K2_6	100	0.46	NO	52.05	1.105	4.87e5	6.21e5	98.6	-1.4	0.784	bb

Compound name: 13C-PCB-189

Response Factor: 1.09024
 RRF SD: 0.02747, Relative SD: 2.51964
 Response type: Internal Std (Ref 218), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
190628K2_1	100	0.45	NO	53.74	1.140	6.83e5	6.10e5	103	2.7	1.12	bb
190628K2_2	100	0.45	NO	53.74	1.140	6.20e5	5.90e5	96.4	-3.6	1.05	bb
190628K2_3	100	0.46	NO	53.74	1.140	6.19e5	5.65e5	100	0.5	1.10	bb
190628K2_4	100	0.45	NO	53.74	1.140	7.60e5	6.91e5	101	0.8	1.10	bb
190628K2_5	100	0.45	NO	53.74	1.140	8.09e5	7.27e5	102	2.1	1.11	bb
190628K2_6	100	0.44	NO	53.72	1.140	6.60e5	6.21e5	97.5	-2.5	1.06	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-202

Response Factor: 1.45045

RRF SD: 0.0520831, Relative SD: 3.59082

Response type: Internal Std (Ref 218), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.93	NO	49.29	1.042	9.24e5	6.10e5	104	4.4	1.51	bb
2	190628K2_2	100	0.92	NO	49.29	1.042	8.73e5	5.90e5	102	2.1	1.48	bb
3	190628K2_3	100	0.93	NO	49.29	1.042	8.36e5	5.65e5	102	2.1	1.48	bb
4	190628K2_4	100	0.92	NO	49.29	1.042	9.80e5	6.91e5	97.8	-2.2	1.42	bb
5	190628K2_5	100	0.93	NO	49.29	1.042	9.96e5	7.27e5	94.5	-5.5	1.37	bb
6	190628K2_6	100	0.94	NO	49.27	1.042	8.93e5	6.21e5	99.1	-0.9	1.44	bb

Compound name: 13C-PCB-194

Response Factor: 0.713578

RRF SD: 0.0152843, Relative SD: 2.14192

Response type: Internal Std (Ref 219), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.88	NO	55.33	0.995	5.94e5	8.28e5	100	0.5	0.717	bb
2	190628K2_2	100	0.89	NO	55.33	0.995	5.44e5	7.49e5	102	1.7	0.726	bb
3	190628K2_3	100	0.92	NO	55.34	0.995	5.50e5	7.62e5	101	1.1	0.721	bb
4	190628K2_4	100	0.90	NO	55.33	0.995	6.70e5	9.53e5	98.5	-1.5	0.703	bb
5	190628K2_5	100	0.90	NO	55.33	0.995	7.05e5	1.02e6	96.4	-3.6	0.688	bb
6	190628K2_6	100	0.90	NO	55.33	0.995	5.96e5	8.20e5	102	1.9	0.727	bb

Compound name: 13C-PCB-208

Response Factor: 0.896051

RRF SD: 0.031901, Relative SD: 3.56018

Response type: Internal Std (Ref 219), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.78	NO	54.58	0.982	7.59e5	8.28e5	102	2.3	0.917	bb
2	190628K2_2	100	0.78	NO	54.58	0.982	7.01e5	7.49e5	104	4.3	0.935	bb

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Compound name: 13C-PCB-208

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190628K2_3	100	0.77	NO	54.58	0.982	6.91e5	7.62e5	101	1.2	0.907	bb
4	190628K2_4	100	0.77	NO	54.58	0.982	8.36e5	9.53e5	97.9	-2.1	0.877	bb
5	190628K2_5	100	0.80	NO	54.58	0.982	8.64e5	1.02e6	94.2	-5.8	0.844	bb
6	190628K2_6	100	0.79	NO	54.56	0.982	7.35e5	8.20e5	100	0.1	0.897	bb

Compound name: 13C-PCB-206

Response Factor: 0.652605

RRF SD: 0.0173981, Relative SD: 2.66595

Response type: Internal Std (Ref 219), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.78	NO	56.86	1.023	5.58e5	8.28e5	103	3.2	0.673	bb
2	190628K2_2	100	0.79	NO	56.86	1.023	4.86e5	7.49e5	99.4	-0.6	0.648	bb
3	190628K2_3	100	0.80	NO	56.86	1.023	5.08e5	7.62e5	102	2.1	0.666	bb
4	190628K2_4	100	0.78	NO	56.86	1.023	6.25e5	9.53e5	100	0.5	0.656	bb
5	190628K2_5	100	0.79	NO	56.86	1.023	6.39e5	1.02e6	95.6	-4.4	0.624	bb
6	190628K2_6	100	0.80	NO	56.86	1.023	5.31e5	8.20e5	99.3	-0.7	0.648	bb

Compound name: 13C-PCB-209

Response Factor: 0.805524

RRF SD: 0.0223175, Relative SD: 2.77056

Response type: Internal Std (Ref 219), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	1.18	NO	58.08	1.044	6.89e5	8.28e5	103	3.3	0.832	bb
2	190628K2_2	100	1.23	NO	58.08	1.044	5.90e5	7.49e5	97.7	-2.3	0.787	bb
3	190628K2_3	100	1.20	NO	58.08	1.044	6.36e5	7.62e5	104	3.6	0.835	bb
4	190628K2_4	100	1.22	NO	58.08	1.044	7.64e5	9.53e5	99.6	-0.4	0.802	bb
5	190628K2_5	100	1.21	NO	58.08	1.044	8.04e5	1.02e6	97.5	-2.5	0.785	bb
6	190628K2_6	100	1.19	NO	58.08	1.045	6.50e5	8.20e5	98.4	-1.6	0.792	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-15

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 213), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.58	NO	26.15	0.000	1.81e6	1.81e6	100	0.0	1.00	bb
2	190628K2_2	100	1.61	NO	26.16	0.000	1.78e6	1.78e6	100	0.0	1.00	bb
3	190628K2_3	100	1.60	NO	26.16	0.000	1.70e6	1.70e6	100	0.0	1.00	bb
4	190628K2_4	100	1.58	NO	26.15	0.000	2.17e6	2.17e6	100	0.0	1.00	bb
5	190628K2_5	100	1.59	NO	26.15	0.000	2.27e6	2.27e6	100	0.0	1.00	bb
6	190628K2_6	100	1.59	NO	26.15	0.000	1.81e6	1.81e6	100	0.0	1.00	bb

Compound name: 13C-PCB-31

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 214), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.99	NO	29.32	0.000	1.53e6	1.53e6	100	0.0	1.00	bd
2	190628K2_2	100	0.98	NO	29.32	0.000	1.45e6	1.45e6	100	0.0	1.00	bd
3	190628K2_3	100	1.00	NO	29.32	0.000	1.37e6	1.37e6	100	0.0	1.00	bd
4	190628K2_4	100	0.98	NO	29.32	0.000	1.78e6	1.78e6	100	0.0	1.00	bd
5	190628K2_5	100	0.97	NO	29.32	0.000	1.83e6	1.83e6	100	0.0	1.00	bd
6	190628K2_6	100	0.97	NO	29.32	0.000	1.39e6	1.39e6	100	0.0	1.00	bd

Compound name: 13C-PCB-60

Response Factor: 1
 RRF SD: 0, Relative SD: 0
 Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.78	NO	37.37	0.000	1.25e6	1.25e6	100	0.0	1.00	bb
2	190628K2_2	100	0.78	NO	37.37	0.000	1.22e6	1.22e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

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Compound name: 13C-PCB-60

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	100	0.76	NO	37.37	0.000	1.16e6	1.16e6	100	0.0	1.00	bb
4	190628K2_4	100	0.77	NO	37.37	0.000	1.47e6	1.47e6	100	0.0	1.00	bb
5	190628K2_5	100	0.78	NO	37.37	0.000	1.55e6	1.55e6	100	0.0	1.00	bb
6	190628K2_6	100	0.77	NO	37.37	0.000	1.25e6	1.25e6	100	0.0	1.00	bb

Compound name: 13C-PCB-111

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 216), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.58	NO	39.94	0.000	1.16e6	1.16e6	100	0.0	1.00	bb
2	190628K2_2	100	1.56	NO	39.94	0.000	1.13e6	1.13e6	100	0.0	1.00	bb
3	190628K2_3	100	1.64	NO	39.94	0.000	1.08e6	1.08e6	100	0.0	1.00	bb
4	190628K2_4	100	1.62	NO	39.94	0.000	1.37e6	1.37e6	100	0.0	1.00	bb
5	190628K2_5	100	1.62	NO	39.94	0.000	1.41e6	1.41e6	100	0.0	1.00	bb
6	190628K2_6	100	1.61	NO	39.94	0.000	1.17e6	1.17e6	100	0.0	1.00	bb

Compound name: 13C-PCB-128

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	1.25	NO	47.32	0.000	6.32e5	6.32e5	100	0.0	1.00	db
2	190628K2_2	100	1.23	NO	47.32	0.000	6.11e5	6.11e5	100	0.0	1.00	bb
3	190628K2_3	100	1.26	NO	47.32	0.000	5.87e5	5.87e5	100	0.0	1.00	db
4	190628K2_4	100	1.27	NO	47.32	0.000	7.19e5	7.19e5	100	0.0	1.00	db
5	190628K2_5	100	1.26	NO	47.32	0.000	7.49e5	7.49e5	100	0.0	1.00	db
6	190628K2_6	100	1.28	NO	47.30	0.000	6.54e5	6.54e5	100	0.0	1.00	db

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time
 Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-182

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 218), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.44	NO	47.13	0.000	6.10e5	6.10e5	100	0.0	1.00	bb
2	190628K2_2	100	0.45	NO	47.13	0.000	5.90e5	5.90e5	100	0.0	1.00	bb
3	190628K2_3	100	0.45	NO	47.13	0.000	5.65e5	5.65e5	100	0.0	1.00	bb
4	190628K2_4	100	0.46	NO	47.13	0.000	6.91e5	6.91e5	100	0.0	1.00	bb
5	190628K2_5	100	0.46	NO	47.13	0.000	7.27e5	7.27e5	100	0.0	1.00	bb
6	190628K2_6	100	0.44	NO	47.13	0.000	6.21e5	6.21e5	100	0.0	1.00	bd

Compound name: 13C-PCB-205

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 219), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.91	NO	55.60	0.000	8.28e5	8.28e5	100	0.0	1.00	bb
2	190628K2_2	100	0.89	NO	55.60	0.000	7.49e5	7.49e5	100	0.0	1.00	bb
3	190628K2_3	100	0.90	NO	55.60	0.000	7.62e5	7.62e5	100	0.0	1.00	bb
4	190628K2_4	100	0.90	NO	55.60	0.000	9.53e5	9.53e5	100	0.0	1.00	bb
5	190628K2_5	100	0.90	NO	55.60	0.000	1.02e6	1.02e6	100	0.0	1.00	bb
6	190628K2_6	100	0.93	NO	55.59	0.000	8.20e5	8.20e5	100	0.0	1.00	bb

Compound name: 13C-PCB-79

Response Factor: 1.03196

RRF SD: 0.0189172, Relative SD: 1.83312

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc.	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.77	NO	38.47	1.029	1.31e6	1.25e6	102	1.6	1.05	bd
2	190628K2_2	100	0.78	NO	38.47	1.029	1.22e6	1.22e6	97.2	-2.8	1.00	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-79

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190628K2_3	100	0.77	NO	38.49	1.030	1.19e6	1.16e6	98.9	-1.1	1.02	bb
4	190628K2_4	100	0.78	NO	38.47	1.029	1.52e6	1.47e6	99.6	-0.4	1.03	bb
5	190628K2_5	100	0.77	NO	38.47	1.029	1.63e6	1.55e6	102	2.2	1.05	bd
6	190628K2_6	100	0.77	NO	38.47	1.029	1.29e6	1.25e6	101	0.6	1.04	bb

Compound name: 13C-PCB-178

Response Factor: 0.874585

RRF SD: 0.0311096, Relative SD: 3.55707

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.45	NO	46.58	0.988	5.82e5	6.32e5	105	5.4	0.922	bb
2	190628K2_2	100	0.46	NO	46.58	0.988	5.37e5	6.11e5	101	0.5	0.879	bb
3	190628K2_3	100	0.45	NO	46.58	0.988	5.26e5	5.87e5	102	2.4	0.896	bb
4	190628K2_4	100	0.46	NO	46.58	0.988	6.08e5	7.19e5	96.6	-3.4	0.845	bb
5	190628K2_5	100	0.45	NO	46.58	0.988	6.29e5	7.49e5	96.0	-4.0	0.840	bb
6	190628K2_6	100	0.46	NO	46.56	0.988	5.66e5	6.54e5	99.0	-1.0	0.866	bb

Compound name: 13C-PCB-79

Response Factor: 1.03196

RRF SD: 0.0189172, Relative SD: 1.83312

Response type: Internal Std (Ref 215), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190628K2_1	100	0.76	NO	38.47	0.968	1.31e6	1.24e6	101	1.0	1.06	bb
2	190628K2_2	100	0.78	NO	38.47	0.968	1.22e6	1.19e6	97.9	-2.1	1.02	bb
3	190628K2_3	100	0.78	NO	38.49	0.969	1.18e6	1.14e6	99.2	-0.8	1.04	bb
4	190628K2_4	100	0.78	NO	38.47	0.968	1.52e6	1.46e6	99.6	-0.4	1.04	bb
5	190628K2_5	100	0.77	NO	38.47	0.968	1.63e6	1.53e6	102	2.1	1.07	bb
6	190628K2_6	100	0.78	NO	38.47	0.968	1.29e6	1.23e6	100	0.2	1.05	bb

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-CRV.qld

Last Altered: Saturday, June 29, 2019 12:47:58 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:00:34 Pacific Daylight Time

Compound name: 13C-PCB-178

Response Factor: 0.874585

RRF SD: 0.0311096, Relative SD: 3.55707

Response type: Internal Std (Ref 217), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190628K2_1	100	0.45	NO	46.58	0.924	5.81e5	5.87e5	102	1.6	0.990	bb
2	190628K2_2	100	0.46	NO	46.58	0.924	5.37e5	5.46e5	101	0.9	0.984	bb
3	190628K2_3	100	0.45	NO	46.58	0.924	5.26e5	5.34e5	101	0.9	0.984	bb
4	190628K2_4	100	0.46	NO	46.58	0.924	6.08e5	6.42e5	97.1	-2.9	0.946	bb
5	190628K2_5	100	0.45	NO	46.58	0.924	6.29e5	6.63e5	97.4	-2.6	0.949	bb
6	190628K2_6	100	0.46	NO	46.56	0.924	5.66e5	5.69e5	102	2.1	0.996	bb

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:14:43 Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02

Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Compound name: PCB-1

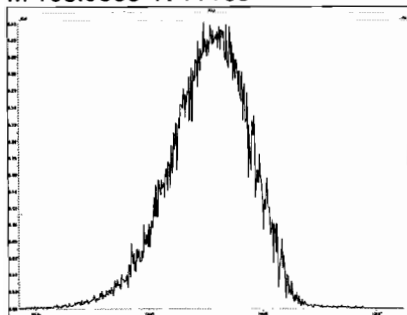
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2	190628K2_2	ST190628K2-2 PCB 209 CS1 19C1104	28-Jun-19	17:34:41
3	190628K2_3	ST190628K2-3 PCB 209 CS2 19C1105	28-Jun-19	18:36:12
4	190628K2_4	ST190628K2-4 PCB 209 CS4 19C1107	28-Jun-19	19:38:24
5	190628K2_5	ST190628K2-5 PCB 209 CS5 19C1108	28-Jun-19	20:39:52
6	190628K2_6	ST190628K2-6 PCB 209 CS3 19C1106	28-Jun-19	21:41:21
7	190628K2_7	SS190628K2-1 PCB 209 SS 19C1113	28-Jun-19	22:43:59
8	190628K2_8	B9F0219-BS1 OPR 10	28-Jun-19	23:46:13
9	190628K2_9	B9F0204-BS1 OPR 5	29-Jun-19	00:48:37
10	190628K2_10	B9F0213-BS1 OPR 10	29-Jun-19	01:51:12
11	190628K2_11	B9F0214-BS1 OPR 10	29-Jun-19	02:53:17
12	190628K2_12	SOLVENT BLANK	29-Jun-19	03:54:43
13	190628K2_13	B9F0219-BLK1 Method Blank 10	29-Jun-19	04:56:11
14	190628K2_14	B9F0204-BLK1 Method Blank 5	29-Jun-19	05:58:35
15	190628K2_15	B9F0213-BLK1 Method Blank 10	29-Jun-19	07:00:56
16	190628K2_16	B9F0214-BLK1 Method Blank 10	29-Jun-19	08:02:46

(A) RT, shortage, sensitivity loss

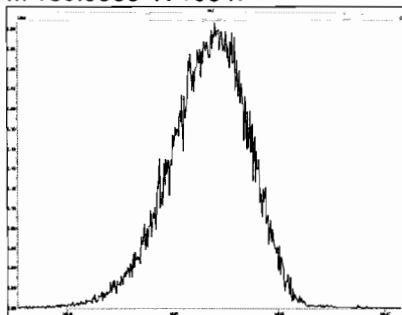
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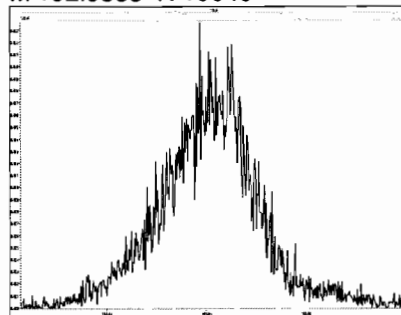
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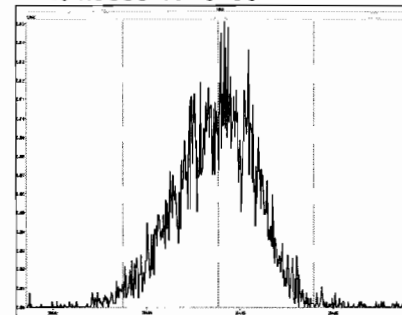
M 180.9888 R 10547



M 192.9888 R 10040



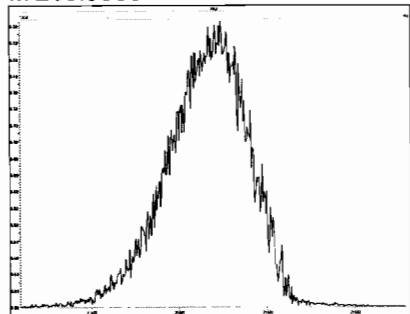
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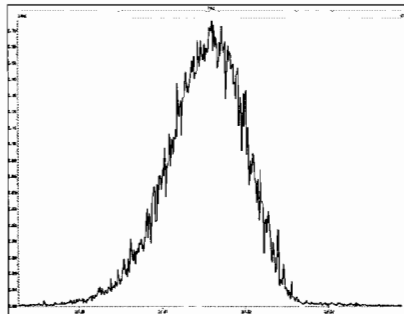
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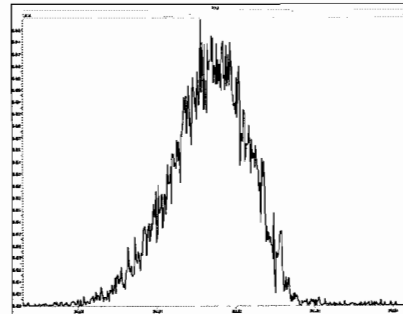
M 218.9856 R 10682



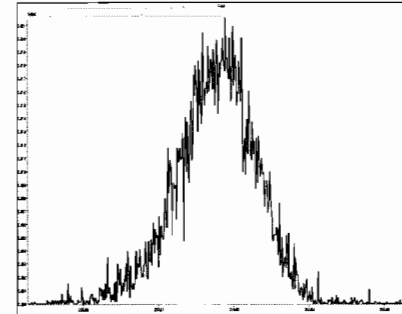
M 230.9856 R 10683



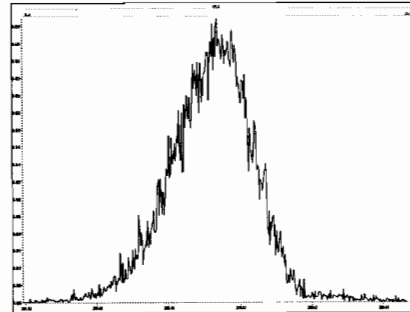
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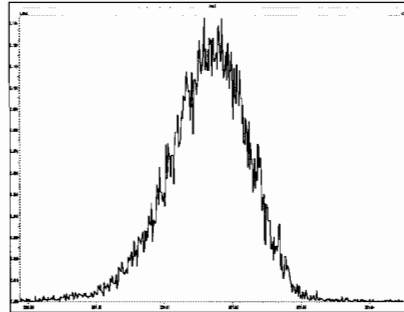
M 254.9856 R 11159



M 268.9824 R 10683



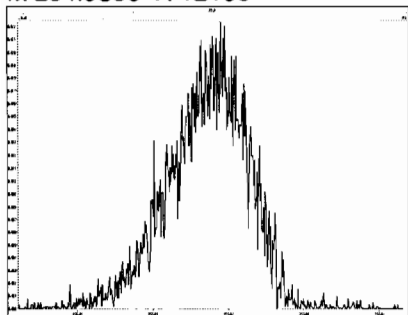
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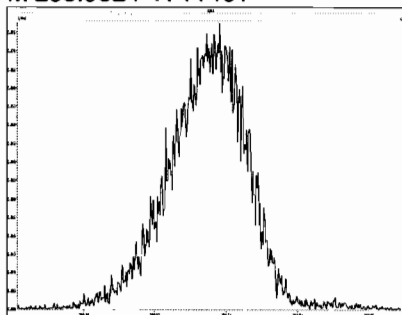
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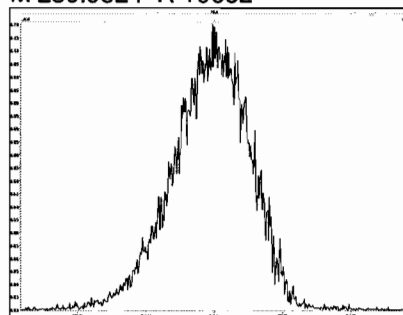
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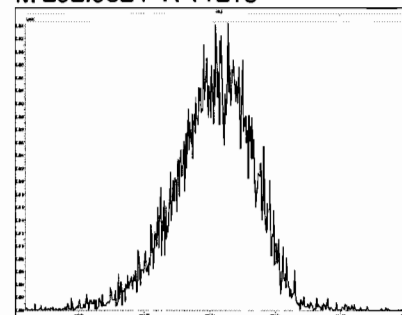
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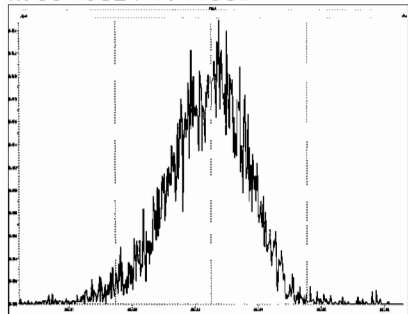
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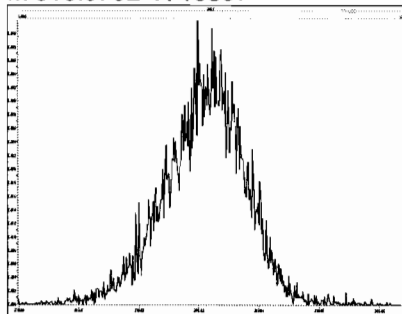
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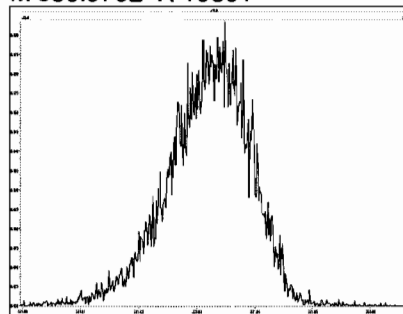
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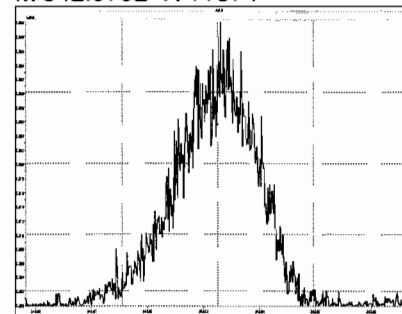
M 318.9792 R 10597



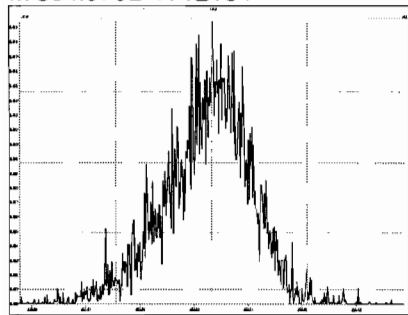
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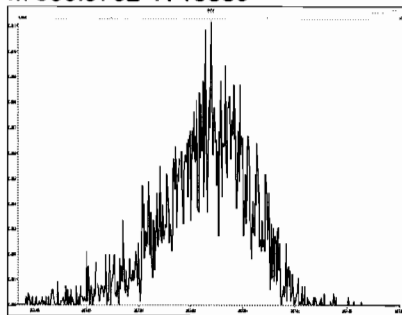
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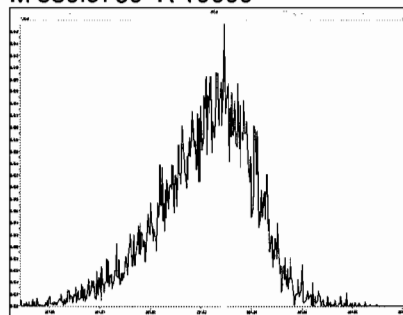
M 354.9792 R 12134



M 366.9792 R 13589



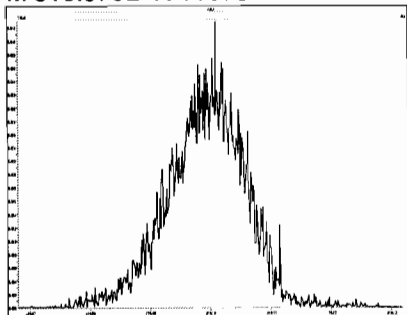
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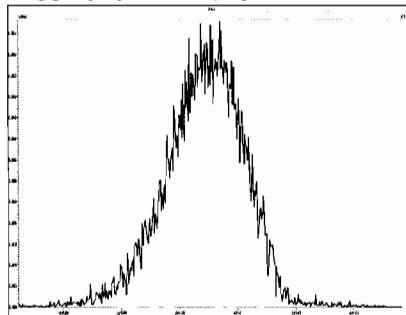
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Printed: Friday, June 28, 2019 16:30:23 Pacific Daylight Time

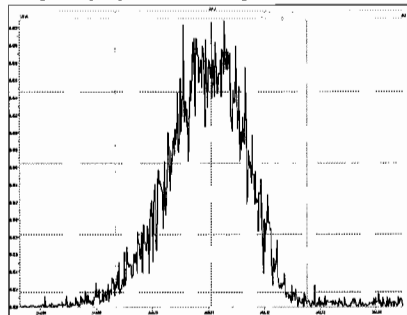
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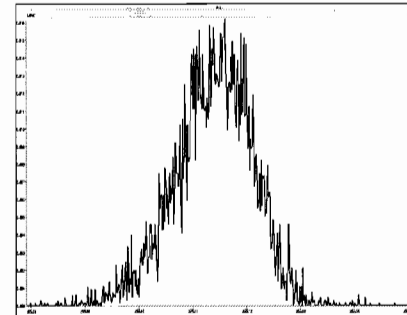
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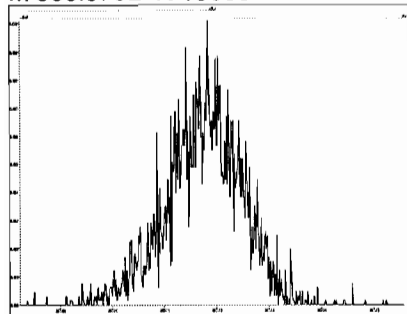
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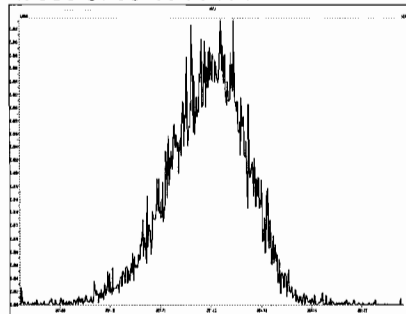
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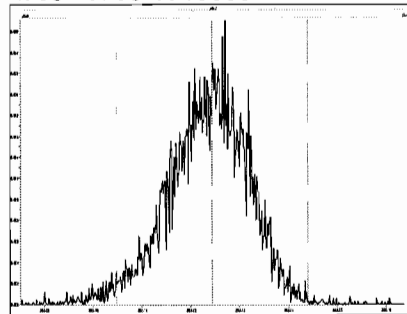
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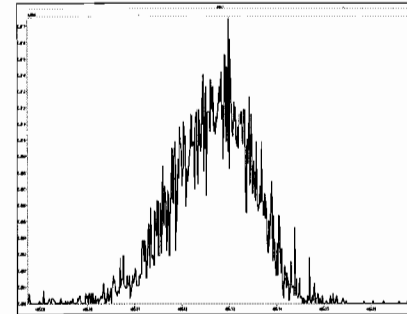
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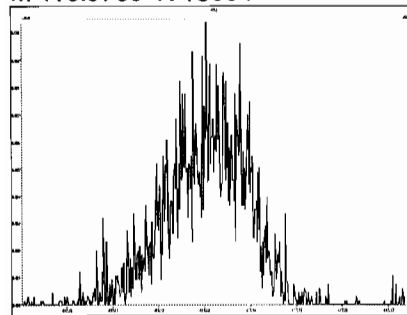
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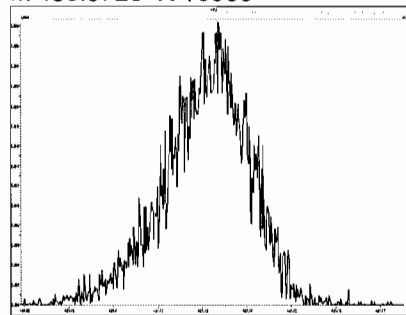
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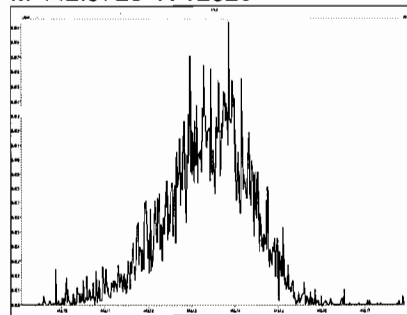
M 416.9760 R 13664



M 430.9728 R 10966



M 442.9728 R 12626



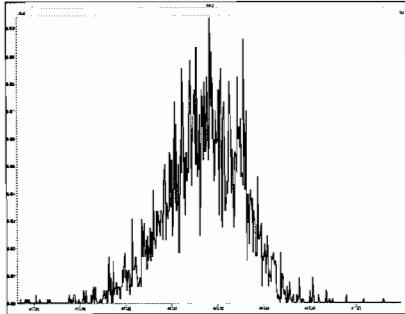
Experiment Calibration Report

MassLynx 4.1 SCN815

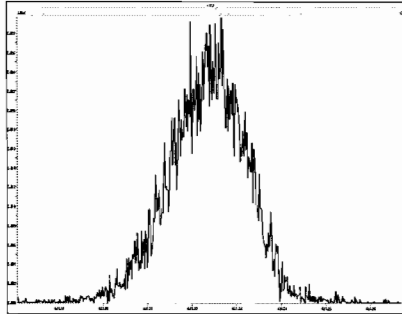
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Printed: Friday, June 28, 2019 16:31:07 Pacific Daylight Time

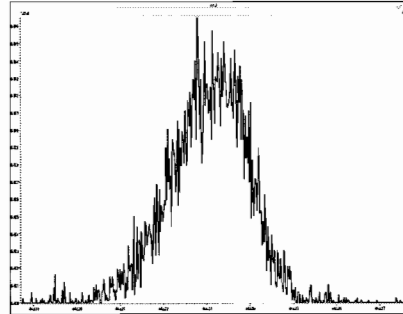
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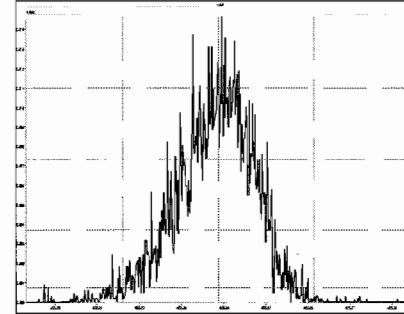
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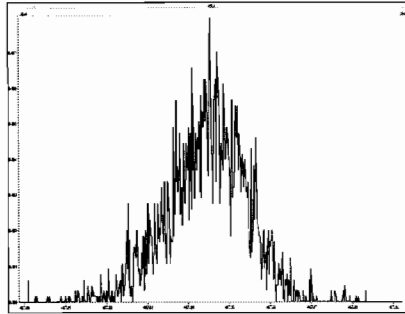
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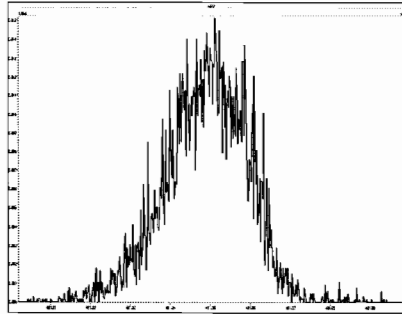
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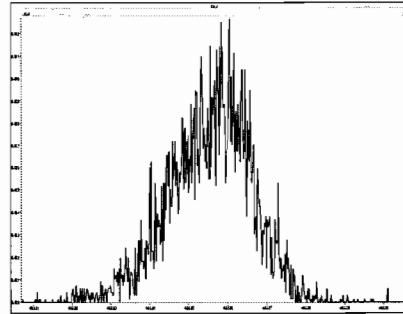
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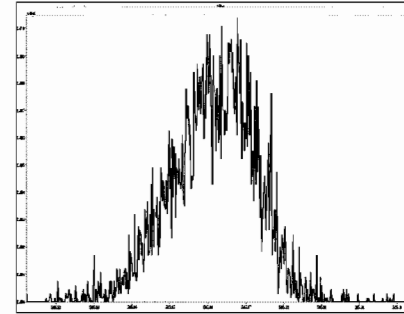
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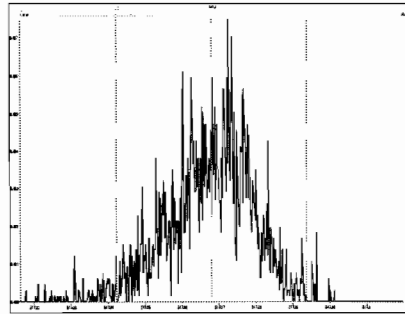
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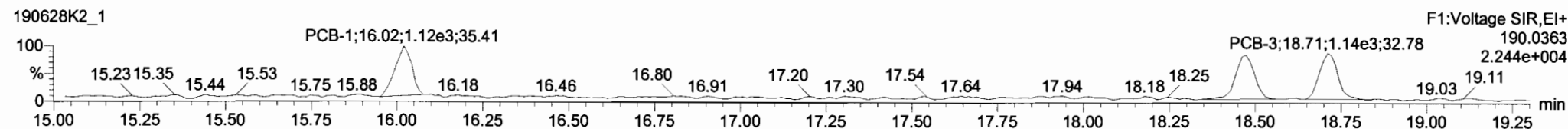
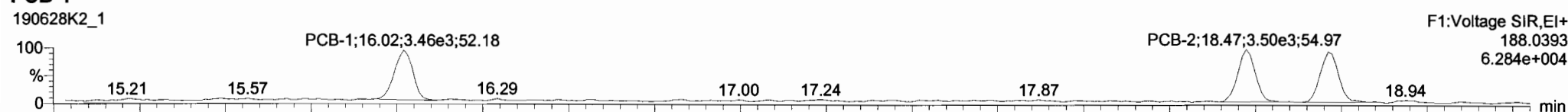
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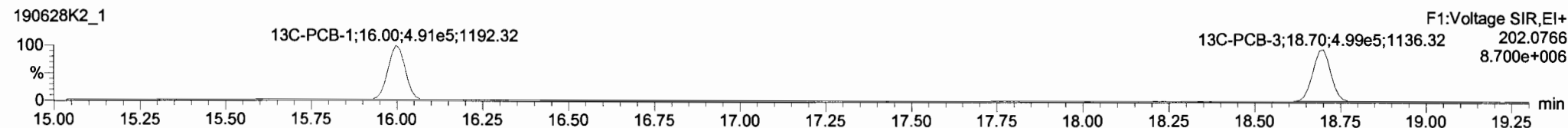
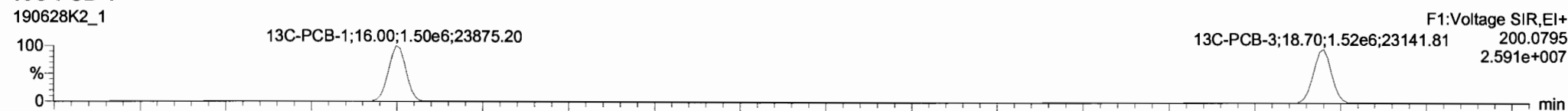
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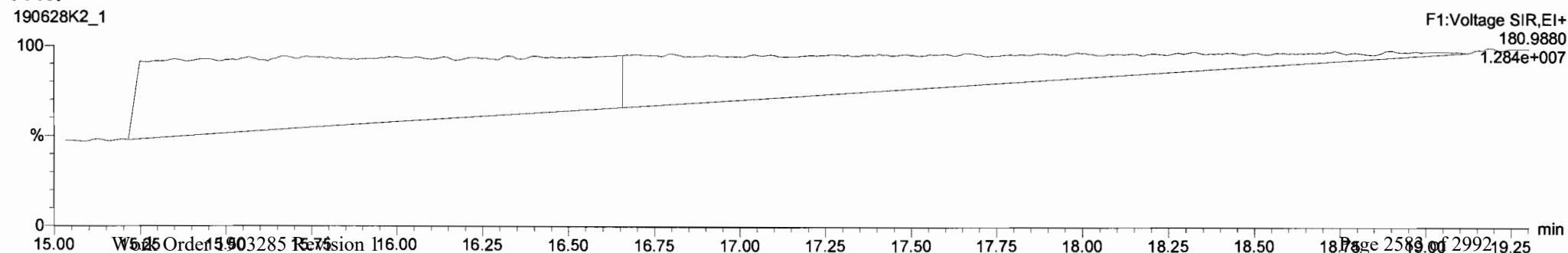
PCB-1



13C-PCB-1

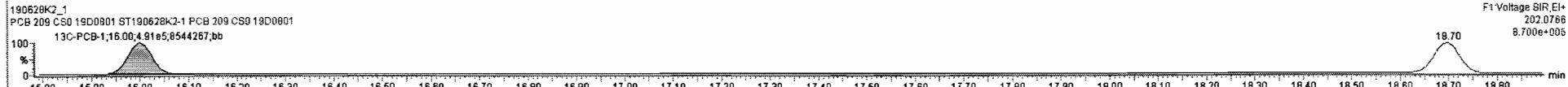
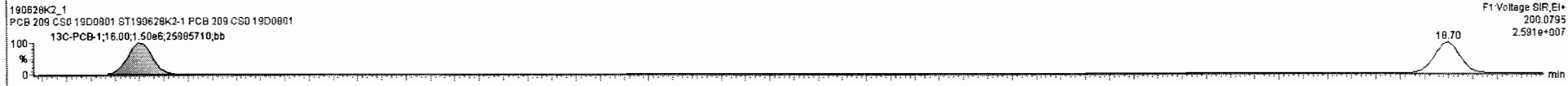
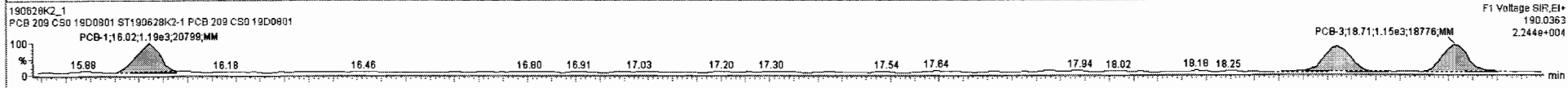
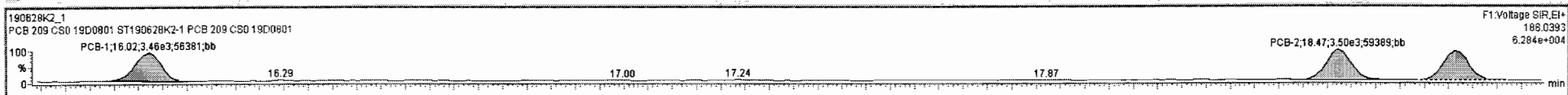


PFK1



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT F#	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0580	
221	13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	Total Mono-PCBs				1.0122	1.000	0.000		0.000		NO	0.6623		0.0291	0.6620
225	Total Di-PCBs				1.0599	1.000	0.000		0.000		NO	2.759		0.170	2.759
226	2nd Function Tri-PCBs				0.9137	1.000	0.000		0.000		NO	1.895		0.0699	1.895
227	3rd Function Tri-PCBs				1.0566	1.000	0.000		0.000		NO	3.738		0.197	3.738
228	Total Tetra-PCBs				0.8959	1.000	0.000		0.000		NO	9.552		0.358	9.552
229	3rd Function Penta-PCBs				1.1154	1.000	0.000		0.000		NO	9.622		0.419	9.622
230	4th Function Penta-PCBs				1.1128	1.000	0.000		0.000		NO	1.142		0.0808	1.142
231	3rd Function Hexa-PCBs				0.7740	1.000	0.000		0.000		NO	3.261		0.0621	3.261
232	4th Function Hexa-PCBs				0.9712	1.000	0.000		0.000		NO	6.404		0.202	6.404
233	Total Hepta-PCBs				1.2638	1.000	0.000		0.000		NO	5.554		0.637	5.554

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	3 PCB-3	18.71	18.71	3.490e3	1.152e3	3.130	3.03	NO	0.22800	0.22814
2	PCB-2	18.48	18.47	3.501e3	1.106e3	3.130	3.17	NO	0.22600	0.22595
3	1 PCB-1	16.01	16.02	3.462e3	1.185e3	3.130	2.92	NO	0.22800	0.22820



Vista Analytical Laboratory VG-11

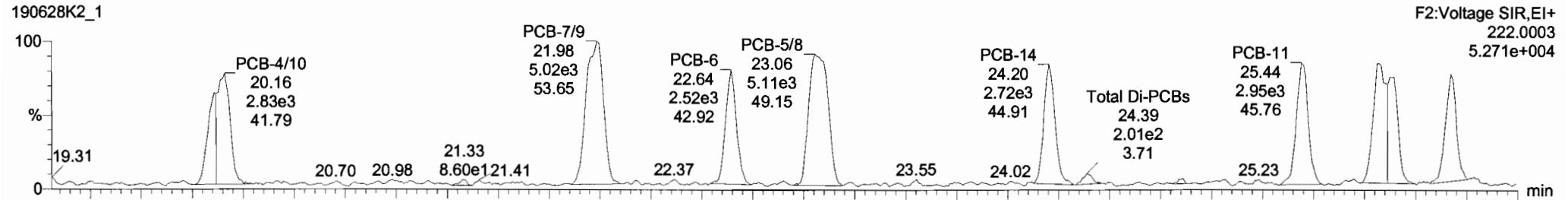
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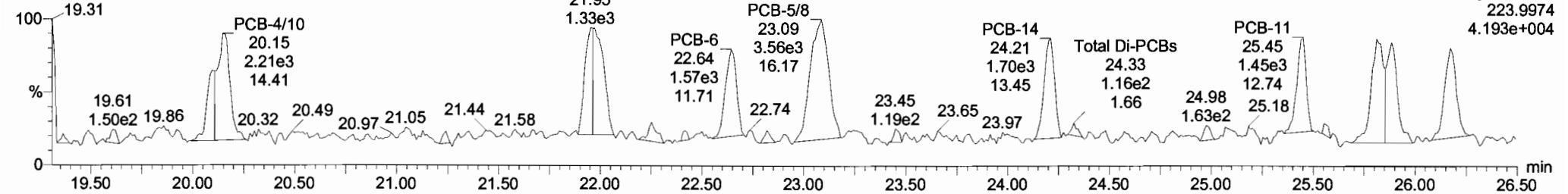
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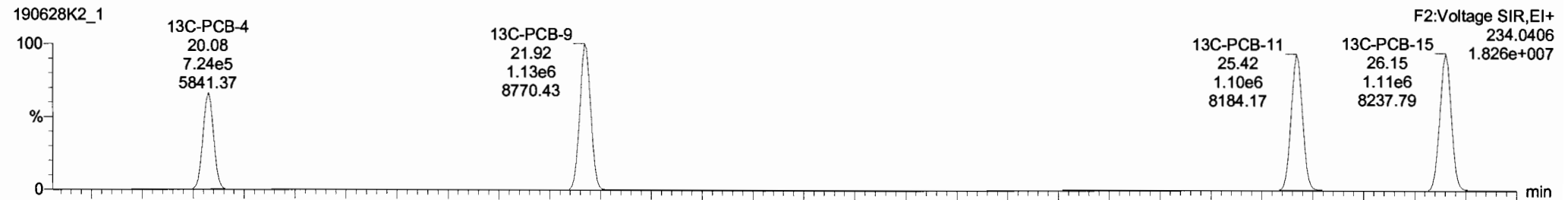
PCB-4/10



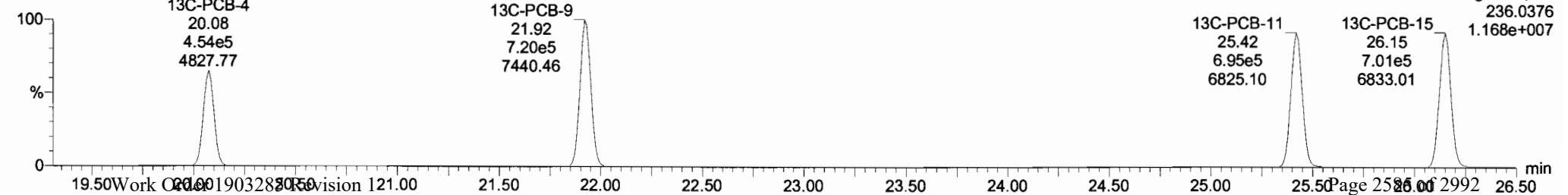
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13C-PCB-4

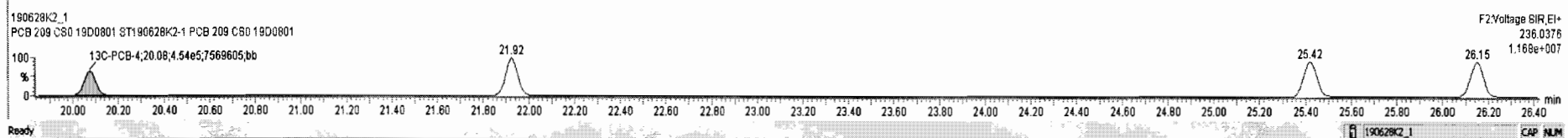
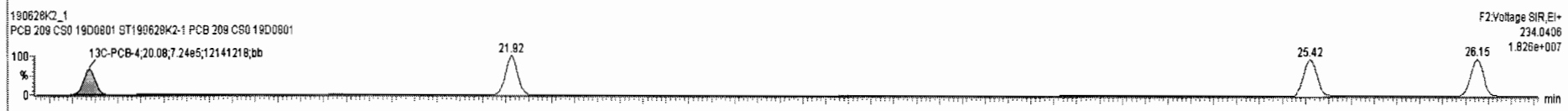
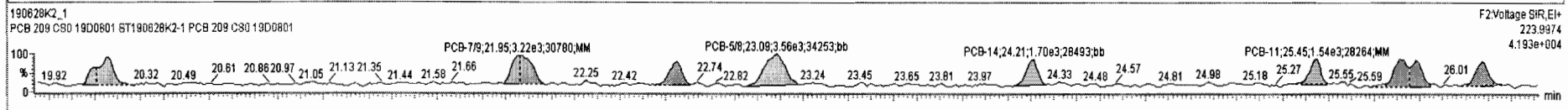
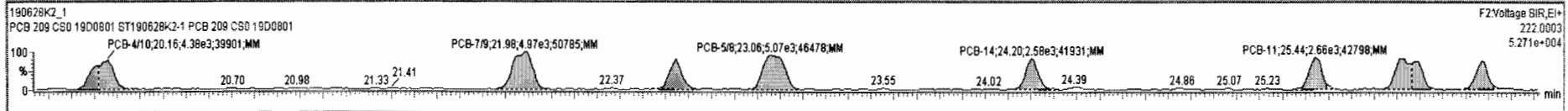


190628K2_1



#	Name	Resp	RA	n/y	RRF	wt/val	Pred_RT	RT	Pred_R...	RRT	PRT Fail	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.29e5	0.91	NO	1.0000	1.000	55.80	55.80	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.59	46.56	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000	0.000	NO	0.8823	0.0291	0.6823	
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000	0.000	NO	2.753	0.170	2.753	
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000	0.000	NO	1.895	0.0699	1.895	
227	227 3rd Function Tri-PCBs				1.0586	1.000	0.00	0.00	0.000	0.000	NO	3.738	0.197	3.738	
228	228 Total Tetra-PCBs				0.9859	1.000	0.00	0.00	0.000	0.000	NO	9.552	0.358	9.552	
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00	0.00	0.000	0.000	NO	9.374	0.418	9.594	
230	230 4th Function Penta-PCBs				1.1126	1.000	0.00	0.00	0.000	0.000	NO	1.142	0.0808	1.142	
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.00	0.00	0.000	0.000	NO	3.261	0.0621	3.261	
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00	0.00	0.000	0.000	NO	6.404	0.202	6.404	
233	233 Total Hepta-PCBs				1.2638	1.000	0.00	0.00	0.000	0.000	NO	5.554	0.637	5.554	

#	Name	Pred_RT	RT	Int Resp	m2 Resp	I* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/70	20.16	20.16	4.379e3	2.894e3	1.560	1.52	NO	0.48375	0.48375
2	11 PCB-15	26.17	26.17	2.310e3	1.706e3	1.560	1.35	NO	0.21728	0.21728
3	10 PCB-12/13	25.81	25.82	5.136e3	3.836e3	1.560	1.41	NO	0.47057	0.47057
4	9 PCB-11	25.44	25.44	2.659e3	1.540e3	1.560	1.72	NO	0.21297	0.21297
5	8 PCB-14	24.21	24.20	2.580e3	1.701e3	1.560	1.52	NO	0.23059	0.23059
6	7 PCB-5/8	23.04	23.06	5.067e3	3.561e3	1.560	1.42	NO	0.48129	0.48129
7	6 PCB-6	22.63	22.64	2.519e3	1.679e3	1.560	1.50	NO	0.22307	0.22307
8	5 PCB-7/9	21.98	21.98	4.967e3	3.219e3	1.560	1.54	NO	0.45335	0.45335



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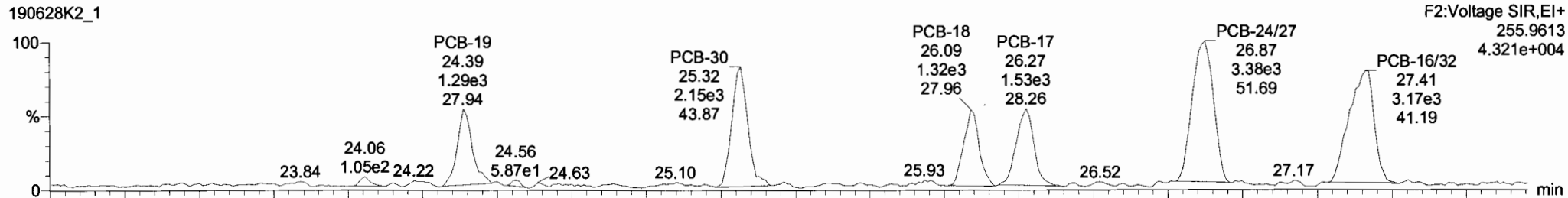
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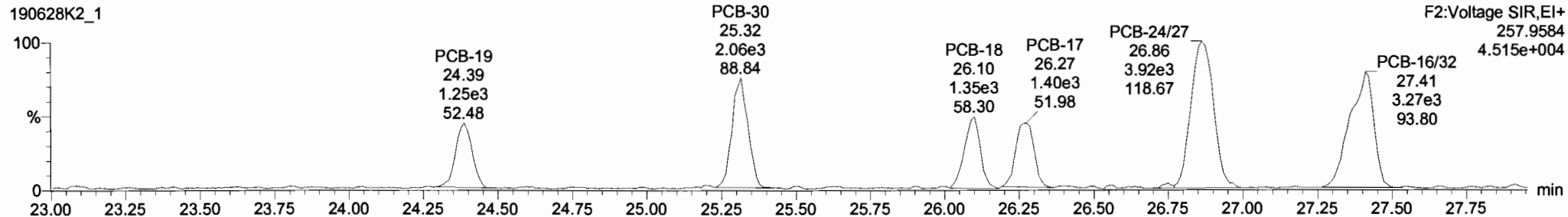
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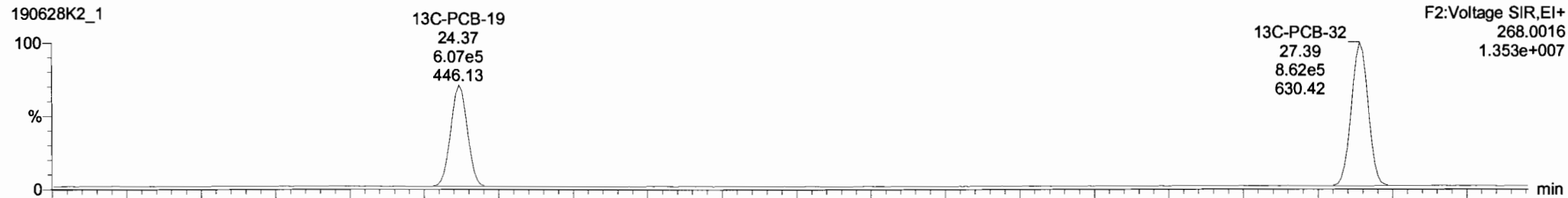
PCB-19



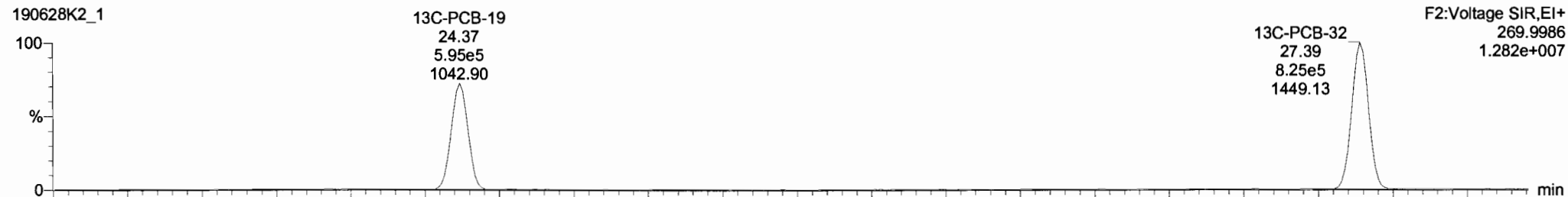
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13C-PCB-19

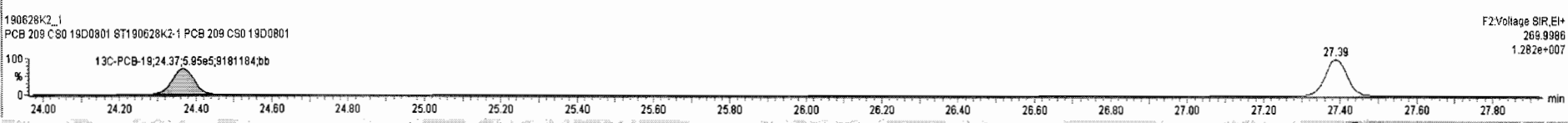
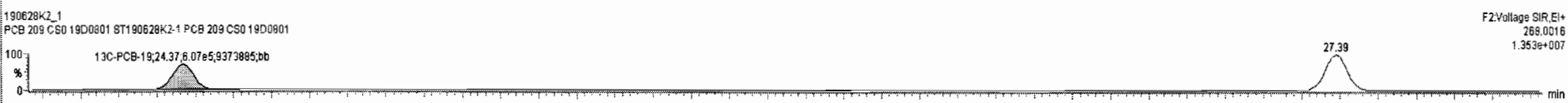
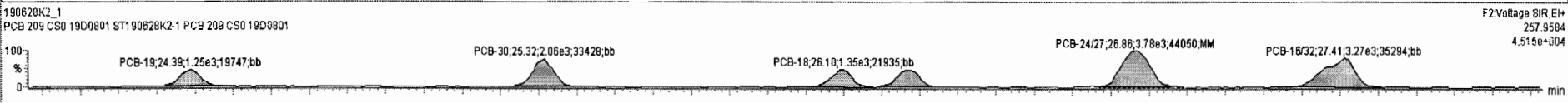
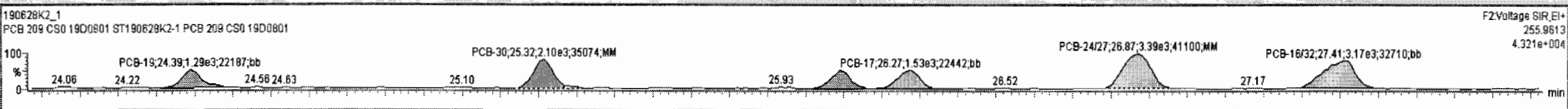


190628K2_1



#	Name	Resp	RA	n/y	RRF	Wt/Cl	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.78	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.6823		0.0291	0.6823
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	3rd Function Tri-PCBs				1.0586	1.000	0.00		0.000		NO	3.736		0.197	3.736
228	Total Tetra-PCBs				0.9859	1.000	0.00		0.000		NO	9.552		0.358	9.552
229	3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.584
230	4th Function Penta-PCBs				1.1128	1.000	0.00		0.000		NO	1.142		0.0808	1.142
231	3rd Function Hexa-PCBs				0.7740	1.000	0.00		0.000		NO	3.261		0.0621	3.261
232	4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	Total Hepta-PCBs				1.2638	1.000	0.00		0.000		NO	5.554		0.637	5.554

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	17 PCB-16/32	27.41	27.41	3.165e3	3.272e3	1.040	0.97	NO	0.48165	0.48165
2	16 PCB-24/27	26.87	26.87	3.397e3	3.777e3	1.040	0.90	NO	0.46444	0.46444
3	15 PCB-17	26.27	26.27	1.532e3	1.400e3	1.040	1.09	NO	0.26071	0.26071
4	14 PCB-16	26.10	26.08	1.319e3	1.347e3	1.040	0.98	NO	0.22804	0.22804
5	13 PCB-30	25.32	25.32	2.095e3	2.064e3	1.040	1.02	NO	0.23359	0.23359
6	12 PCB-19	24.40	24.39	1.287e3	1.254e3	1.040	1.03	NO	0.22619	0.22619

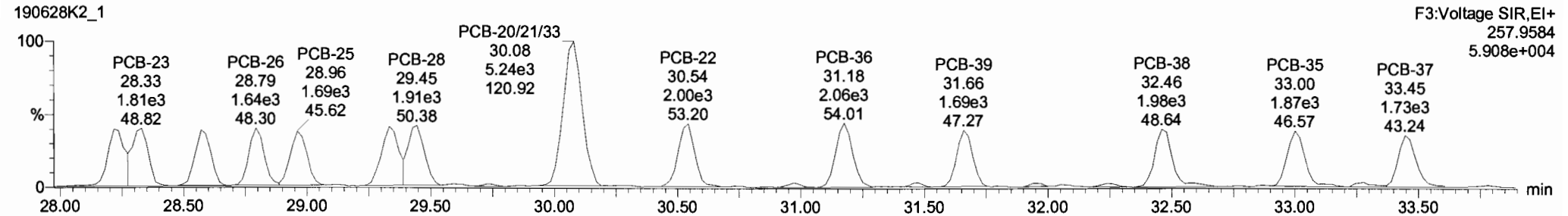
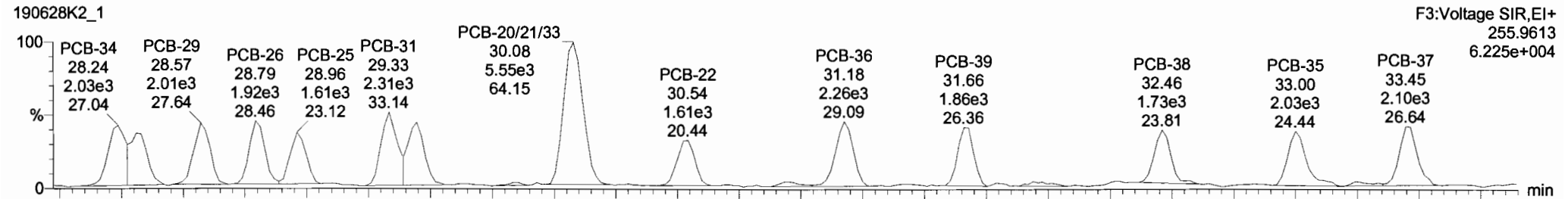


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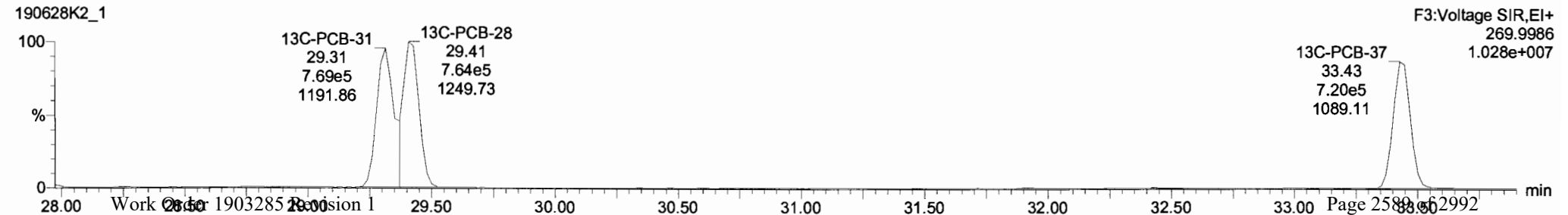
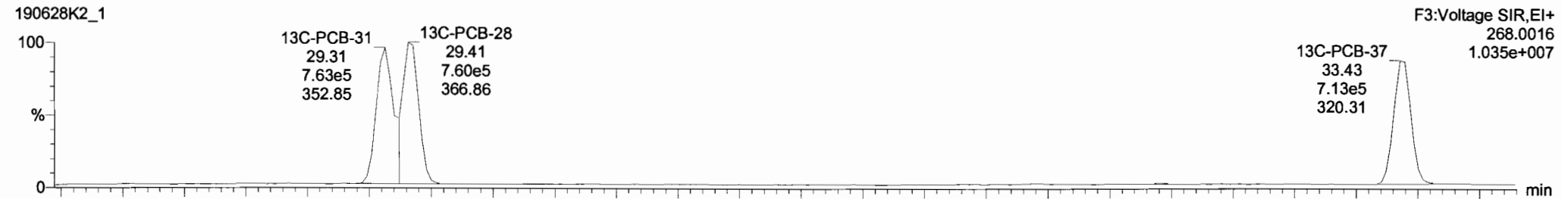
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PCB-34

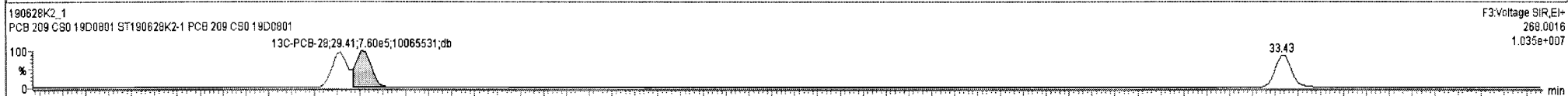
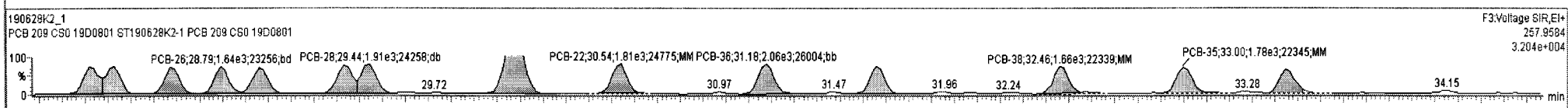
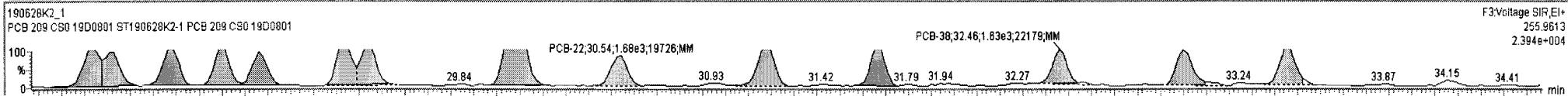


13C-PCB-28



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00			NO	0.6823		0.0281	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00			NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00			NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00	0.00			NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9859	1.000	0.00	0.00			NO	9.552		0.358	9.552
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00	0.00			NO	9.374		0.418	9.594
230	230 4th Function Penta-PCBs				1.1128	1.000	0.00	0.00			NO	1.142		0.0808	1.142
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.00	0.00			NO	3.261		0.0621	3.261
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00	0.00			NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00	0.00			NO	5.554		0.637	5.554

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	22 PCB-25	28.96	28.96	1.606e3	1.690e3	1.040	0.95	NO	0.22115	0.22115
2	21 PCB-26	28.79	28.79	1.925e3	1.640e3	1.040	1.17	NO	0.23367	0.23367
3	20 PCB-29	28.57	28.57	2.009e3	1.714e3	1.040	1.17	NO	0.25619	0.25619
4	19 PCB-23	28.31	28.31	1.813e3	1.812e3	1.040	1.00	NO	0.24419	0.24419
5	18 PCB-34	28.22	28.24	2.026e3	1.804e3	1.040	1.12	NO	0.25451	0.25451
6	31 PCB-37	33.46	33.45	1.941e3	1.647e3	1.040	1.19	NO	0.22543	0.22543
7	30 PCB-35	33.00	33.00	1.828e3	1.781e3	1.040	1.03	NO	0.22240	0.22240
8	29 PCB-38	32.46	32.46	1.630e3	1.661e3	1.040	0.98	NO	0.20349	0.20349
9	28 PCB-39	31.65	31.66	1.860e3	1.687e3	1.040	1.10	NO	0.22823	0.22823



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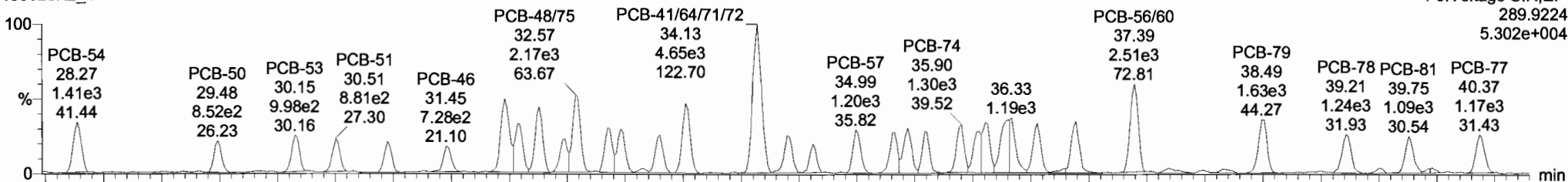
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PCB-54

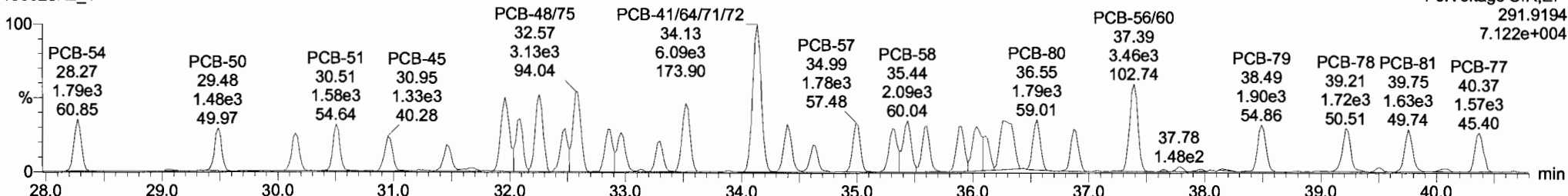
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190628K2_1

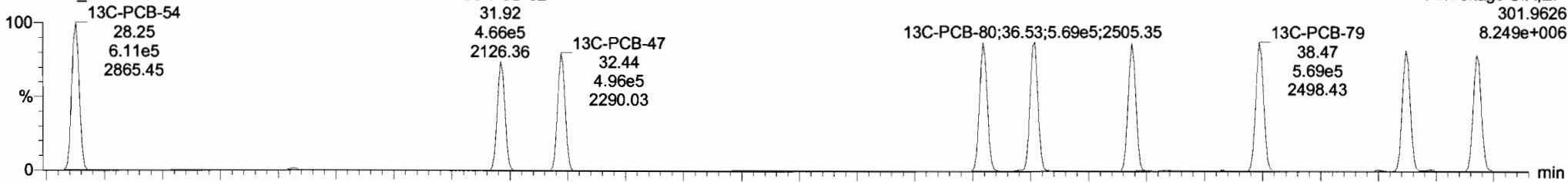
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13C-PCB-54

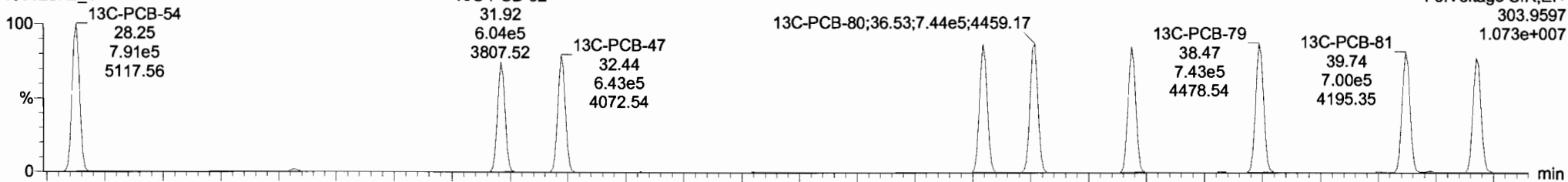
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190628K2_1

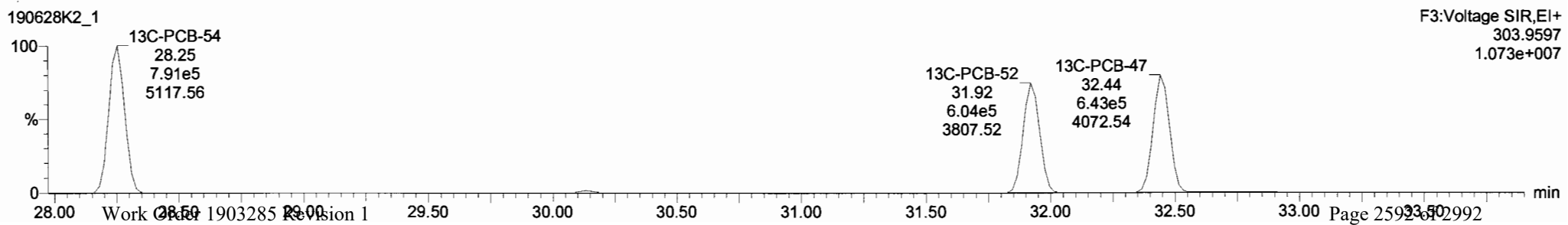
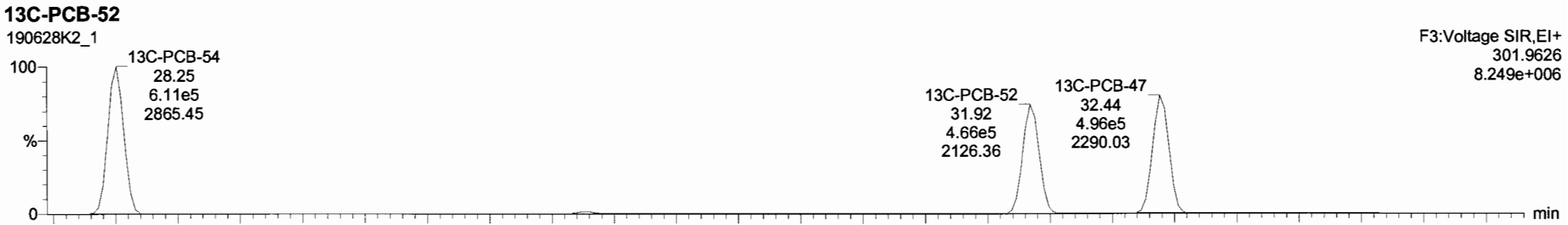
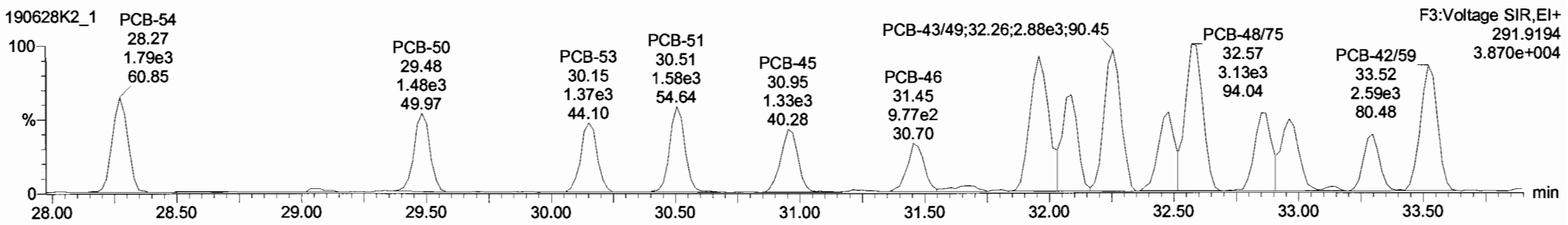
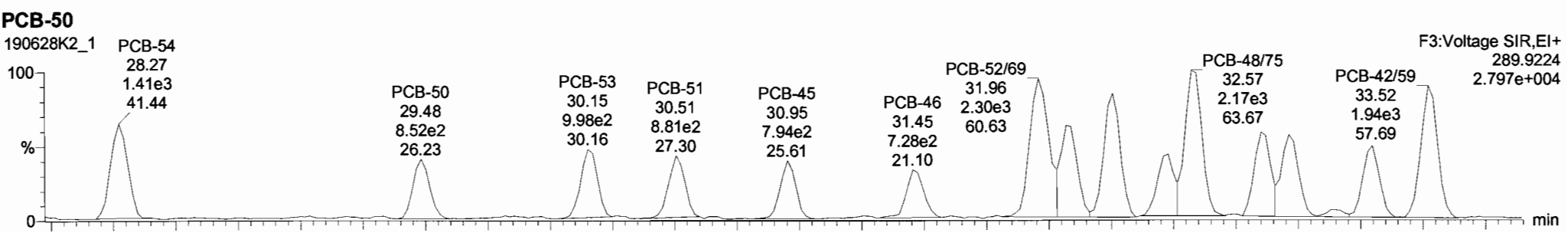
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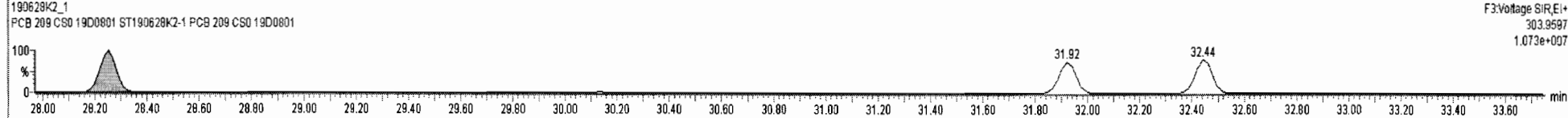
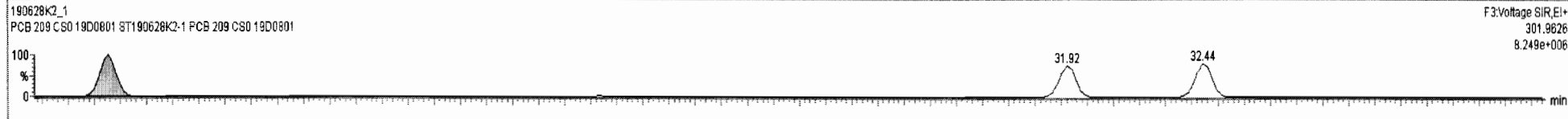
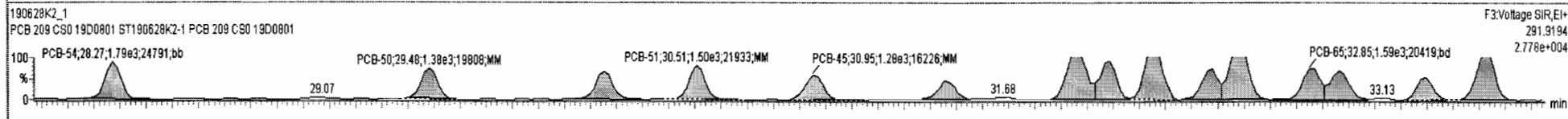
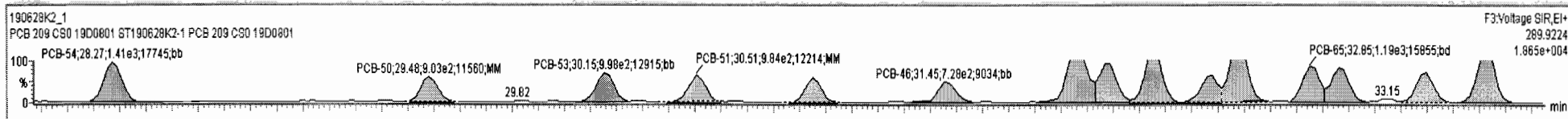
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Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801



#	Name	Resp	RA	n/Y	RRF	wVol	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	0.6823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00	0.000			NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9659	1.000	0.00	0.000			NO	9.552		0.358	9.552
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00	0.000			NO	9.374		0.418	9.594
230	230 4th Function Penta-PCBs				1.1128	1.000	0.00	0.000			NO	1.142		0.0808	1.142
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.00	0.000			NO	3.261		0.0621	3.261
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00	0.000			NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00	0.000			NO	5.554		0.637	5.554

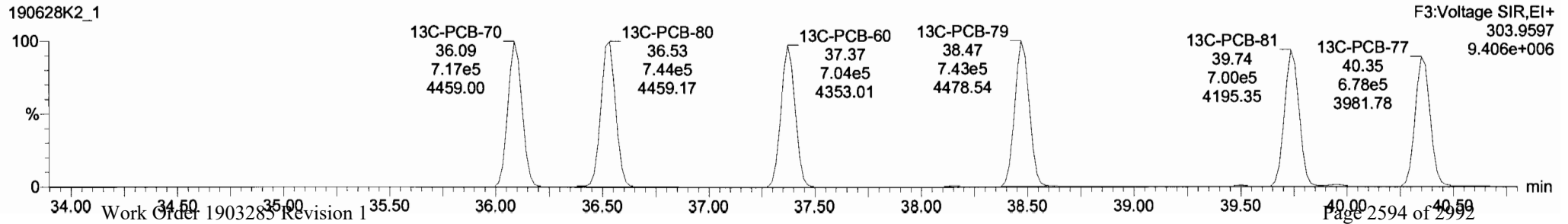
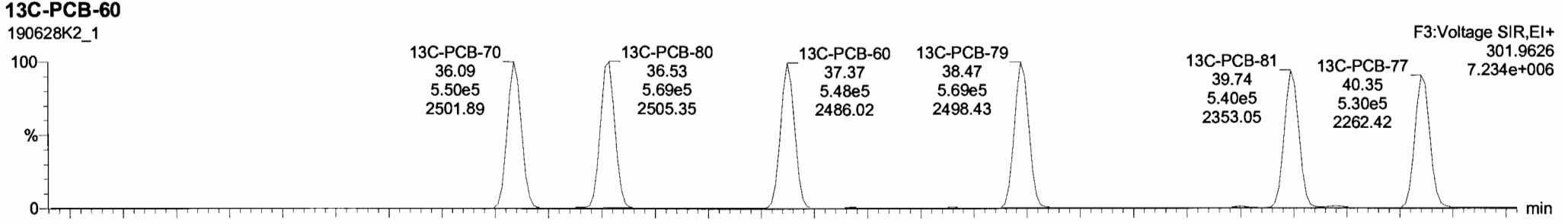
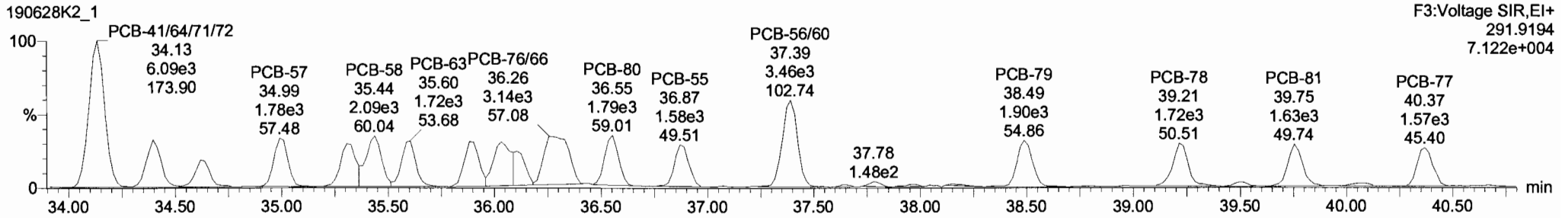
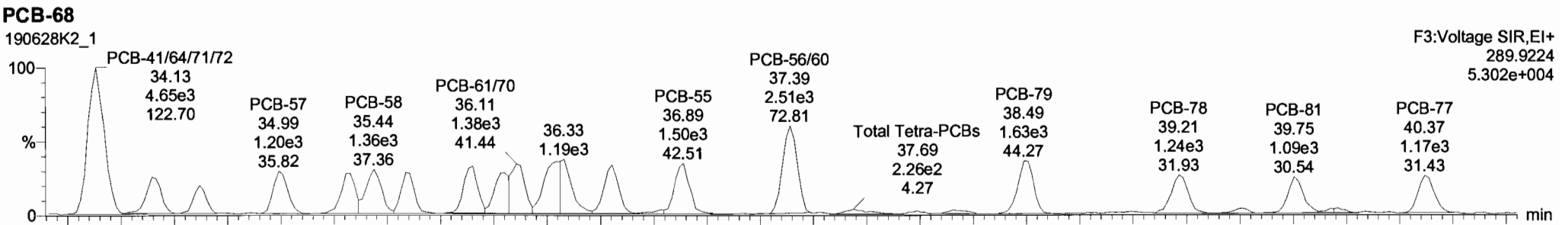
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/Y	EMPC	Conc.
1	45 PCB-44	33.28	33.30	9.878e2	1.128e3	0.770	0.88	NO	0.24417	0.24417
2	44 PCB-62	32.96	32.96	1.240e3	1.581e3	0.770	0.78	NO	0.23258	0.23258
3	43 PCB-65	32.85	32.85	1.188e3	1.587e3	0.770	0.75	NO	0.21980	0.21980
4	42 PCB-48/75	32.57	32.57	2.170e3	3.129e3	0.770	0.69	NO	0.45422	0.45422
5	41 PCB-47	32.45	32.48	1.005e3	1.507e3	0.770	0.67	NO	0.25389	0.25389
6	40 PCB-43/49	32.26	32.26	1.878e3	2.821e3	0.770	0.67	NO	0.46722	0.46722
7	39 PCB-73	32.07	32.07	1.341e3	1.830e3	0.770	0.73	NO	0.22992	0.22992
8	38 PCB-52/69	31.96	31.96	2.295e3	3.051e3	0.770	0.75	NO	0.45772	0.45772
9	37 PCB-46	31.45	31.45	7.278e2	9.773e2	0.770	0.74	NO	0.21151	0.21151



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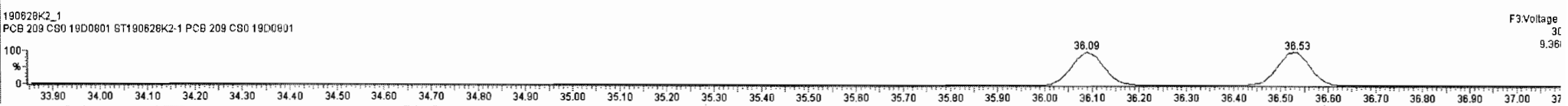
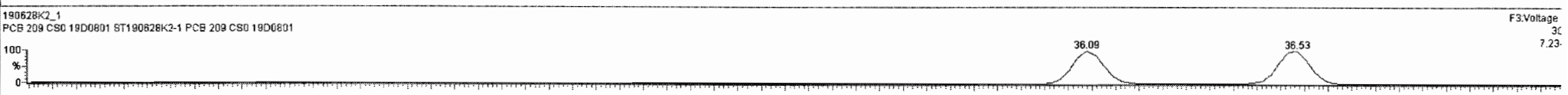
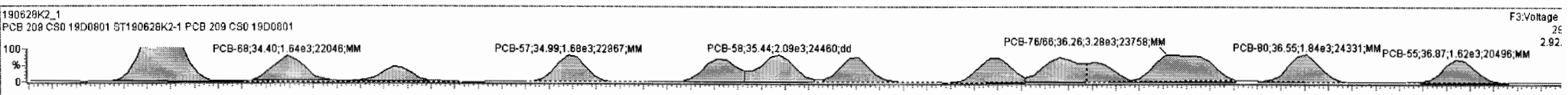
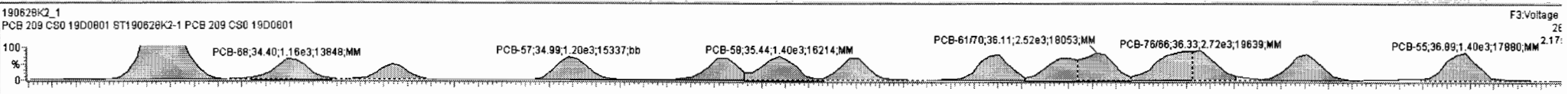
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190628K2_1 - ST190628K2-1 FCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

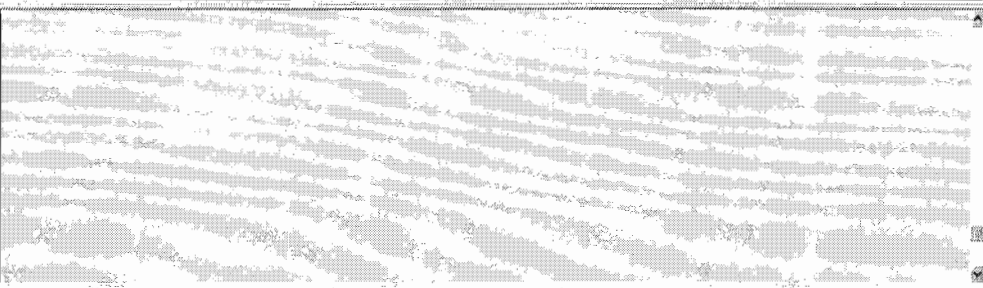
#	Name	Resp	RA	n/y	RRF	wtAvd	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.6823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00		0.000		NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9661	1.000	0.00		0.000		NO	9.554		0.358	9.554
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.594
230	230 4th Function Penta-PCBs				1.1128	1.000	0.00		0.000		NO	1.142		0.0808	1.142
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.00		0.000		NO	3.261		0.0621	3.261
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00		0.000		NO	5.554		0.637	5.554

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	45 PCB-44	33.28	33.30	9.875e2	1.128e3	0.770	0.88	NO	0.24417	0.24417
2	44 PCB-62	32.96	32.96	1.240e3	1.581e3	0.770	0.78	NO	0.23258	0.23258
3	43 PCB-65	32.85	32.85	1.188e3	1.587e3	0.770	0.75	NO	0.21980	0.21980
4	42 PCB-48/75	32.57	32.57	2.170e3	3.129e3	0.770	0.69	NO	0.45422	0.45422
5	41 PCB-47	32.45	32.48	1.005e3	1.507e3	0.770	0.67	NO	0.25369	0.25369
6	40 PCB-43/49	32.26	32.26	1.878e3	2.821e3	0.770	0.67	NO	0.46722	0.46722
7	39 PCB-73	32.07	32.07	1.341e3	1.630e3	0.770	0.73	NO	0.22992	0.22992
8	38 PCB-52/69	31.96	31.96	2.295e3	3.051e3	0.770	0.75	NO	0.45772	0.45772
9	37 PCB-46	31.45	31.45	7.278e2	9.773e2	0.770	0.74	NO	0.21151	0.21151

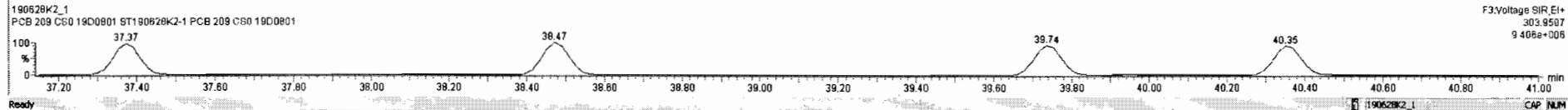
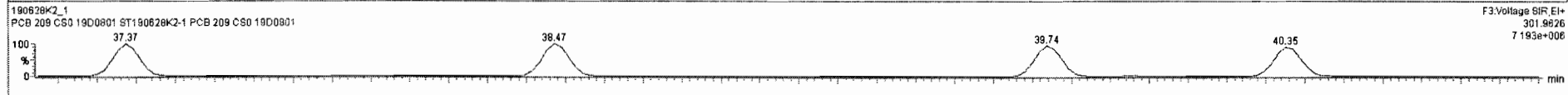
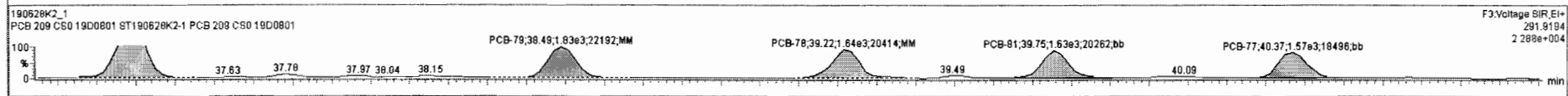
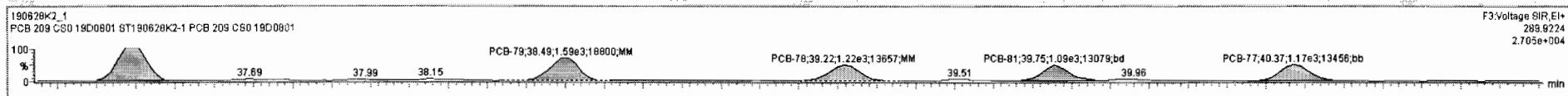
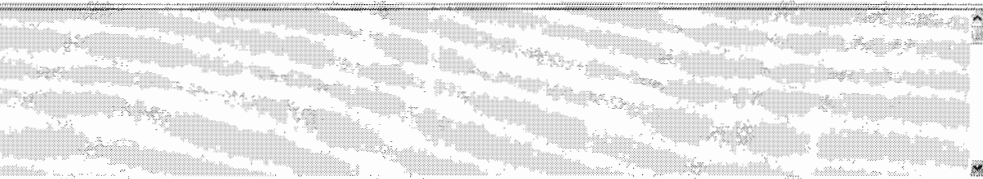


190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

#	Name	Resp	RA	n/y	RRF	wf/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.6823		0.0291	0.6823
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	3rd Function Tri-PCBs				1.0566	1.000	0.00		0.000		NO	3.738		0.197	3.738
228	Total Tetra-PCBs				0.9961	1.000	0.00		0.000		NO	9.554		0.358	9.554
229	3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.594
230	4th Function Penta-PCBs				1.1128	1.000	0.00		0.000		NO	1.142		0.0808	1.142
231	3rd Function Hexa-PCBs				0.7740	1.000	0.00		0.000		NO	3.261		0.0621	3.261
232	4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	Total Hepta-PCBs				1.2638	1.000	0.00		0.000		NO	5.554		0.637	5.554



#	Name	Pred.RT	RT	Int Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	45 PCB-44	33.26	33.30	9.878e2	1.128e3	0.770	0.89	NO	0.24417	0.24417
2	44 PCB-82	32.96	32.96	1.240e3	1.581e3	0.770	0.78	NO	0.23258	0.23258
3	43 PCB-85	32.85	32.85	1.188e3	1.587e3	0.770	0.75	NO	0.21980	0.21980
4	42 PCB-48/75	32.57	32.57	2.170e3	3.129e3	0.770	0.69	NO	0.45422	0.45422
5	41 PCB-47	32.45	32.48	1.005e3	1.507e3	0.770	0.67	NO	0.25389	0.25389
6	40 PCB-43/49	32.26	32.26	1.878e3	2.821e3	0.770	0.67	NO	0.46722	0.46722
7	39 PCB-73	32.07	32.07	1.341e3	1.830e3	0.770	0.73	NO	0.22992	0.22992
8	38 PCB-52/69	31.96	31.96	2.295e3	3.051e3	0.770	0.75	NO	0.45772	0.45772
9	37 PCB-46	31.45	31.45	7.278e2	9.773e2	0.770	0.74	NO	0.21151	0.21151



Vista Analytical Laboratory VG-11

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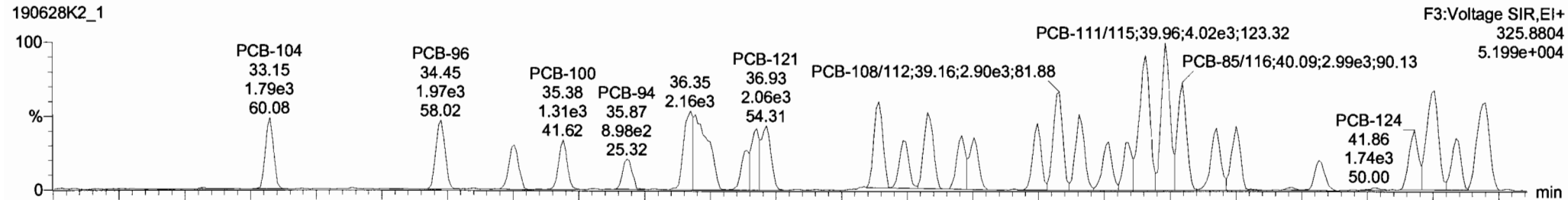
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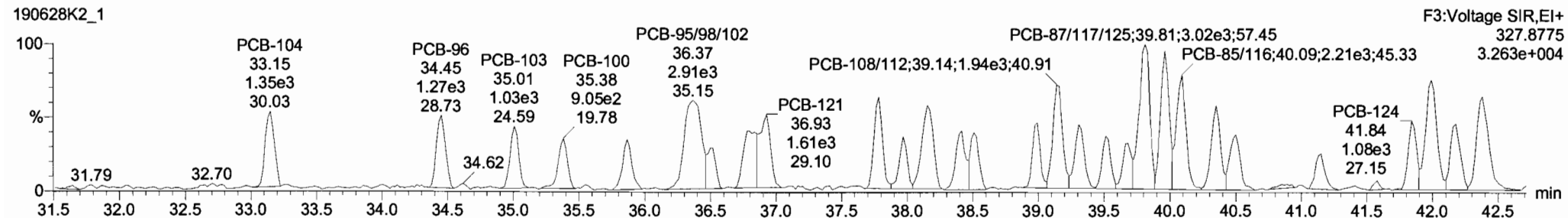
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PCB-104

190628K2_1

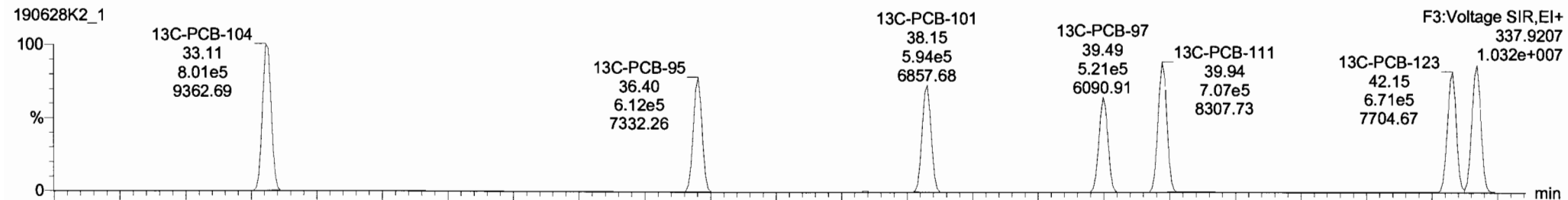


190628K2_1

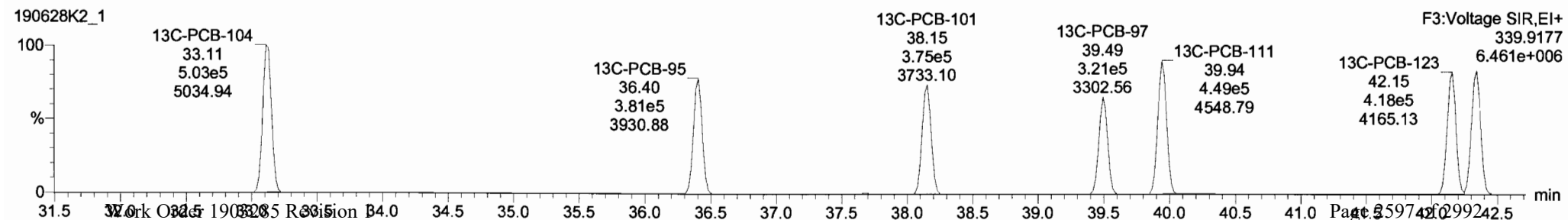


13C-PCB-104

190628K2_1



190628K2_1

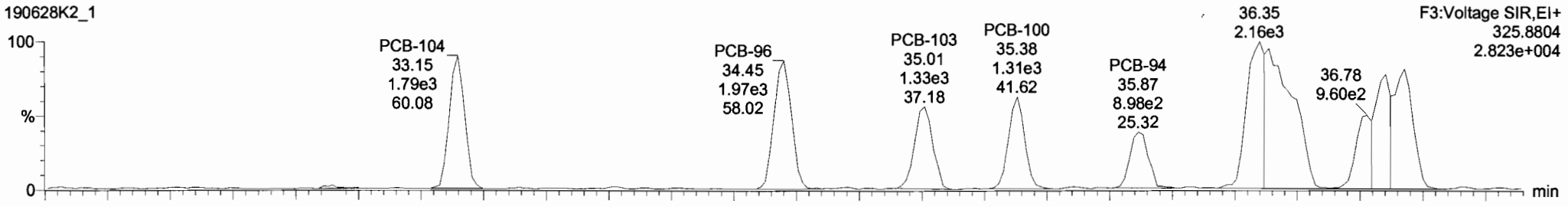


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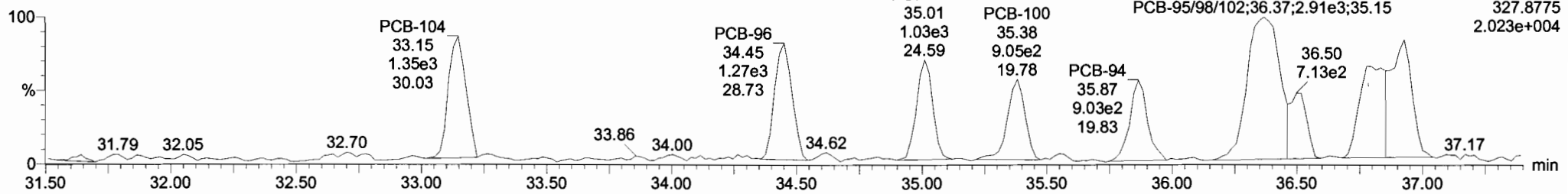
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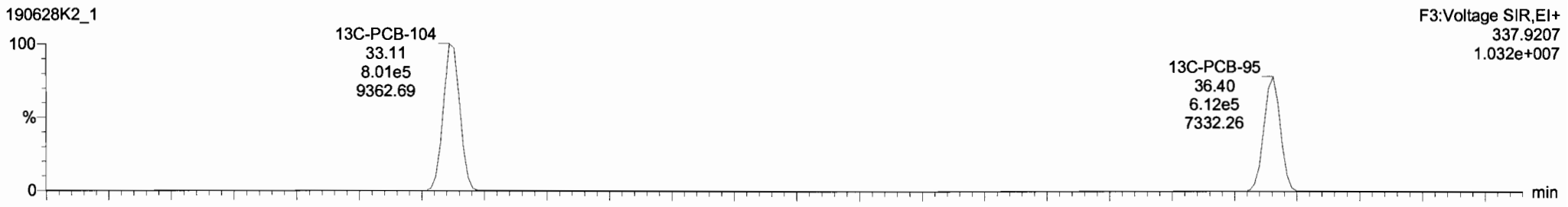
PCB-96



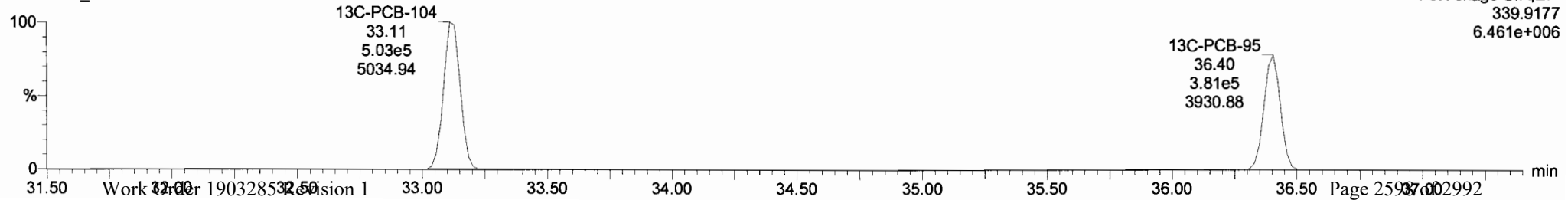
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13C-PCB-95

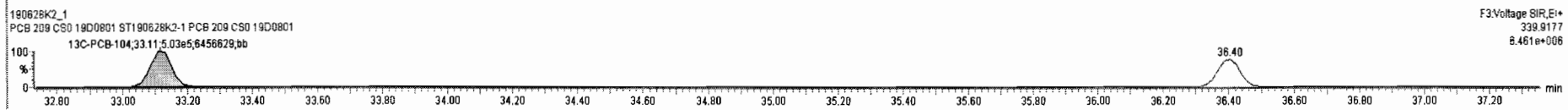
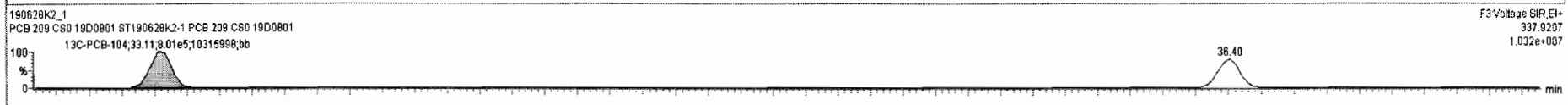
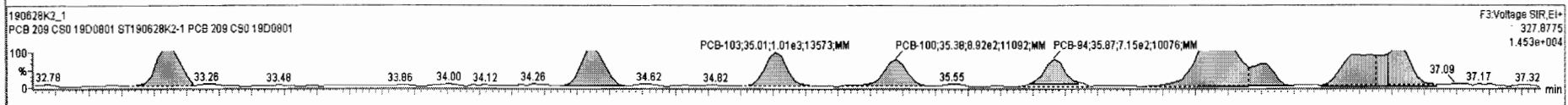
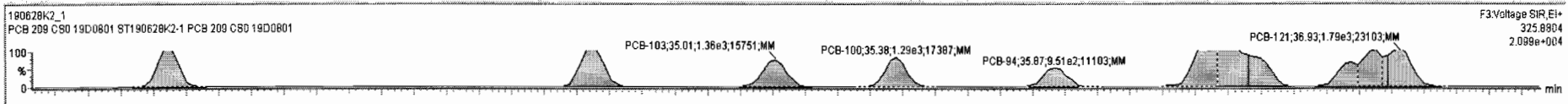


190628K2_1



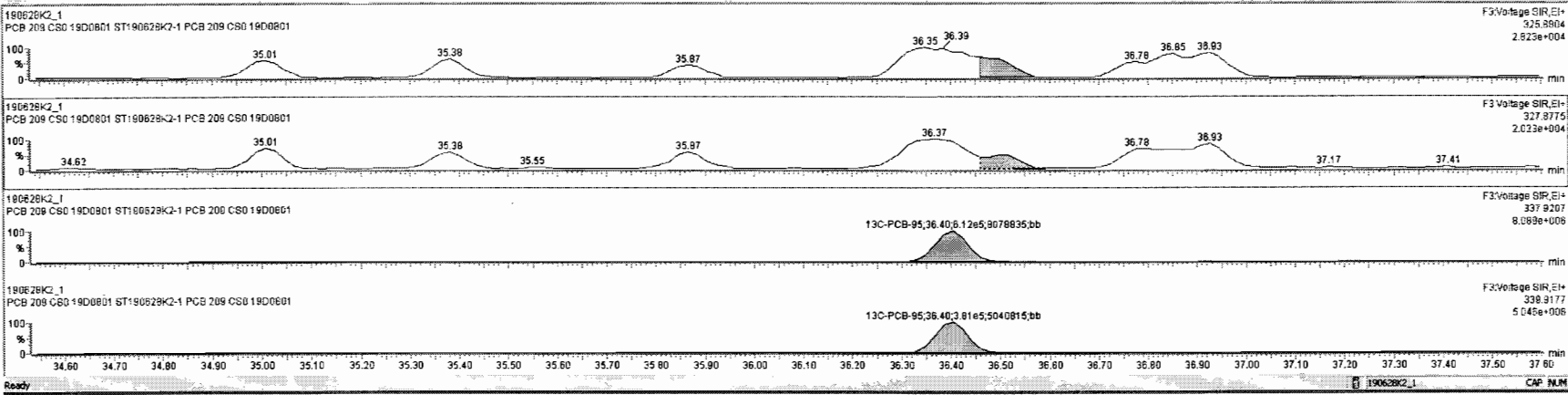
#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT/Fat	Conc	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.80	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0690	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.8823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00		0.000		NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	9.554		0.358	9.554
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.594
230	230 4th Function Penta-PCBs				1.1128	1.000	0.00		0.000		NO	1.142		0.0808	1.142
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.00		0.000		NO	3.261		0.0621	3.261
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00		0.000		NO	5.554		0.637	5.554

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	69 PCB-95/69/102	36.38	36.35	4.283e3	2.951e3	1.560	1.45	NO	0.71789	0.71789
2	68 PCB-94	35.89	35.87	9.508e2	7.155e2	1.560	1.33	NO	0.21694	0.21694
3	67 PCB-100	35.38	35.38	1.290e3	8.921e2	1.560	1.45	NO	0.21527	0.21527
4	66 PCB-103	35.01	35.01	1.362e3	1.006e3	1.560	1.35	NO	0.23458	0.23458
5	65 PCB-96	34.45	34.45	1.871e3	1.274e3	1.560	1.55	NO	0.25002	0.25002
6	64 PCB-104	33.13	33.15	1.807e3	1.345e3	1.560	1.34	NO	0.24314	0.24314
7	84 PCB-111/115	39.96	39.96	4.025e3	2.288e3	1.560	1.76	NO	0.46814	0.46814
8	83 PCB-87/117/125	39.79	39.81	4.456e3	3.021e3	1.560	1.48	NO	0.68616	0.68616
9	82 PCB-86	39.66	39.66	1.248e3	7.727e2	1.560	1.61	NO	0.24072	0.24072



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
65	PCB-96	3.25e3	1.55	NO	0.9957	1.000	34.45	34.45	1.041	1.040	NO	0.2500	100	0.0117	0.2500
66	PCB-103	2.37e3	1.35	NO	0.7743	1.000	35.01	35.01	1.057	1.057	NO	0.2346	93.8	0.0150	0.2346
67	PCB-100	2.18e3	1.45	NO	0.7776	1.000	35.38	35.38	1.069	1.069	NO	0.2153	86.1	0.0145	0.2153
68	PCB-94	1.67e3	1.33	NO	0.7734	1.000	35.89	35.87	0.986	0.986	NO	0.2169	86.8	0.0192	0.2169
69	PCB-95/98/102	7.23e3	1.45	NO	1.0147	1.000	36.38	36.35	0.999	0.999	NO	0.7179	95.7	0.0147	0.7179
70	PCB-93	2.06e3	1.67	NO	0.9410	1.000	36.51	36.46	1.029	1.022	NO	0.2463	88.5	0.0177	0.2463
71	PCB-88/61	4.66e3	1.43	NO	0.8696	1.000	36.83	36.85	1.012	1.012	NO	0.5275	105	0.0167	0.5275
72	PCB-121	3.03e3	1.45	NO	1.3860	1.000	36.95	36.93	1.015	1.014	NO	0.2198	87.9	0.0107	0.2198
73	PCB-84/62	3.92e3	1.61	NO	0.8785	1.000	37.78	37.78	0.990	0.990	NO	0.4604	92.1	0.0180	0.4604
74	PCB-89	2.23e3	1.72	NO	0.9594	1.000	37.99	37.97	0.996	0.995	NO	0.2398	95.9	0.0165	0.2398
75	PCB-90/101	4.07e3	1.41	NO	0.9439	1.000	38.15	38.15	1.000	1.000	NO	0.4455	89.1	0.0188	0.4455
76	PCB-113	2.73e3	1.41	NO	1.2304	1.000	38.43	38.42	1.007	1.007	NO	0.2290	91.6	0.0129	0.2290
77	PCB-99	2.91e3	1.46	NO	1.1188	1.000	38.53	38.51	1.010	1.009	NO	0.2132	85.3	0.0141	0.2132
78	PCB-119	2.77e3	1.75	NO	1.4712	1.000	38.98	38.99	0.987	0.987	NO	0.2238	89.5	0.0122	0.2238
79	PCB-108/112	4.83e3	1.49	NO	1.2493	1.000	39.15	39.15	0.991	0.992	NO	0.4394	91.9	0.0144	0.4394

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pres)	RA	n/y	EMPC	Conc.
1										

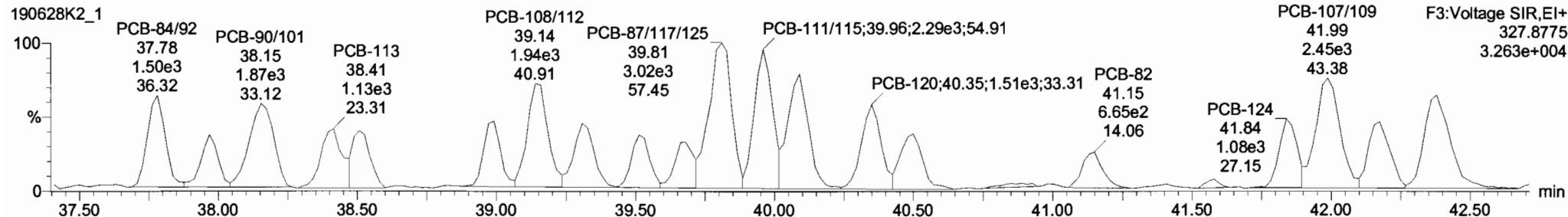
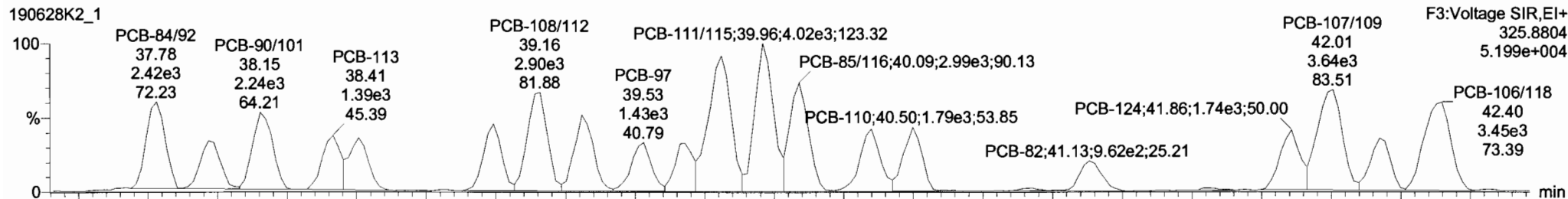


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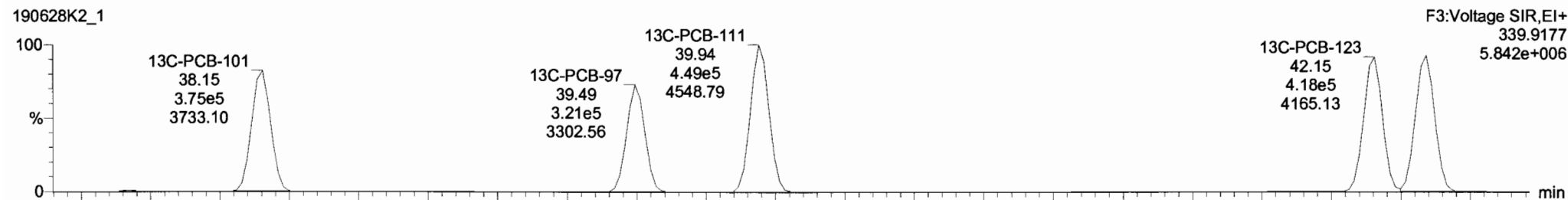
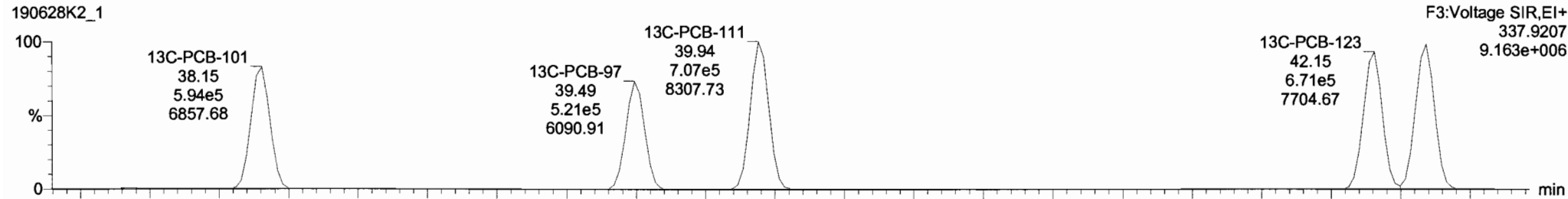
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Name: 190628K2_1, Date: 28-Jun-2019, Time: 16:32:52, ID: ST190628K2-1 PCB 209 CS0 19D0801, Description: PCB 209 CS0 19D0801

PCB-119

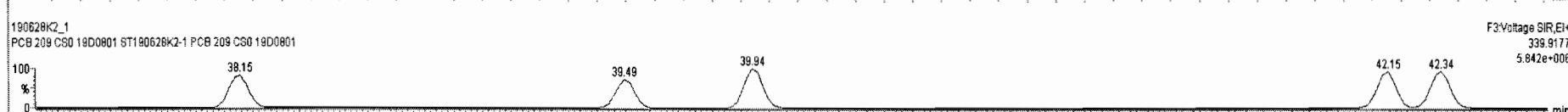
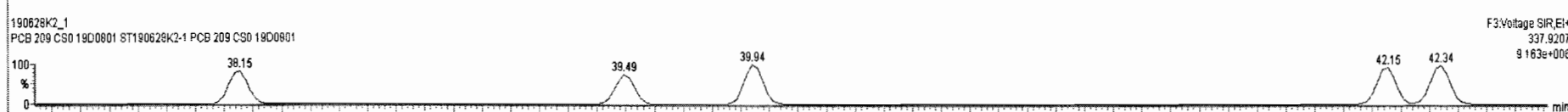
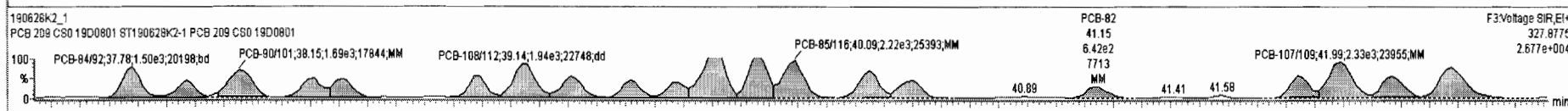
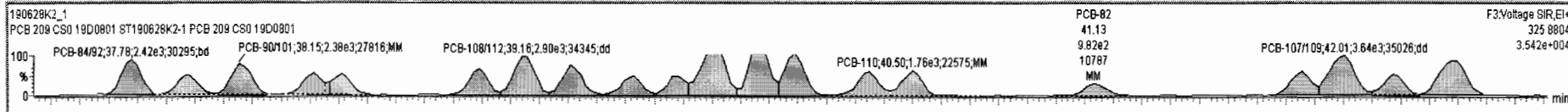


13C-PCB-111



#	Name	Resp	RA	n/y	RfF	wtApl	PredRT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0690	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.59	46.59	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000	0.000	0.000	NO	0.6823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000	0.000	0.000	NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000	0.000	0.000	NO	1.895		0.0899	1.895
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00	0.000	0.000	0.000	NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.000	0.000	0.000	NO	9.554		0.358	9.554
228	228 3rd Function Penta-PCBs				1.1152	1.000	0.00	0.000	0.000	0.000	NO	9.374		0.418	9.584
230	230 4th Function Penta-PCBs				1.1126	1.000	0.00	0.000	0.000	0.000	NO	1.142		0.0808	1.142
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.00	0.000	0.000	0.000	NO	3.261		0.0621	3.261
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00	0.000	0.000	0.000	NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00	0.000	0.000	0.000	NO	5.554		0.637	5.554

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	69 PCB-95/98/102	36.36	36.35	4.283e3	2.951e3	1.560	1.45	NO	0.71789	0.71789
2	68 PCB-94	35.86	35.87	9.508e2	7.155e2	1.560	1.33	NO	0.21894	0.21894
3	67 PCB-100	35.38	35.38	1.290e3	8.921e2	1.560	1.45	NO	0.21527	0.21527
4	66 PCB-103	35.01	35.01	1.362e3	1.006e3	1.560	1.35	NO	0.23458	0.23458
5	65 PCB-96	34.45	34.45	1.971e3	1.274e3	1.560	1.55	NO	0.25002	0.25002
6	64 PCB-104	33.13	33.15	1.807e3	1.345e3	1.560	1.34	NO	0.24314	0.24314
7	84 PCB-111/115	39.96	39.96	4.025e3	2.288e3	1.560	1.76	NO	0.46814	0.46814
8	83 PCB-87/117/125	39.79	39.81	4.456e3	3.021e3	1.560	1.48	NO	0.66616	0.66616
9	82 PCB-86	39.66	39.68	1.246e3	7.727e2	1.560	1.61	NO	0.24072	0.24072

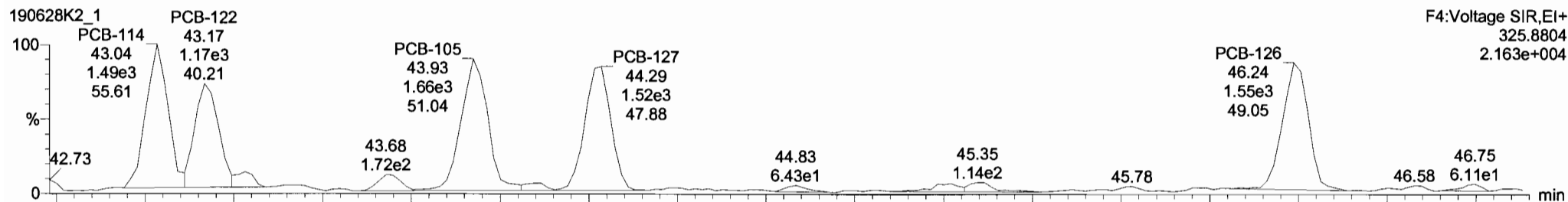


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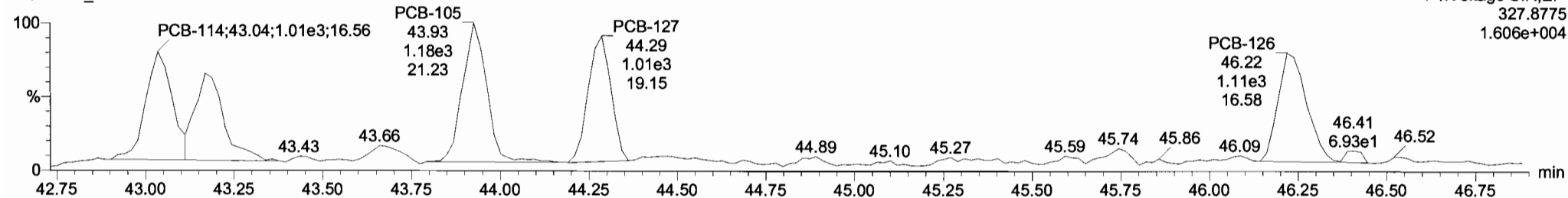
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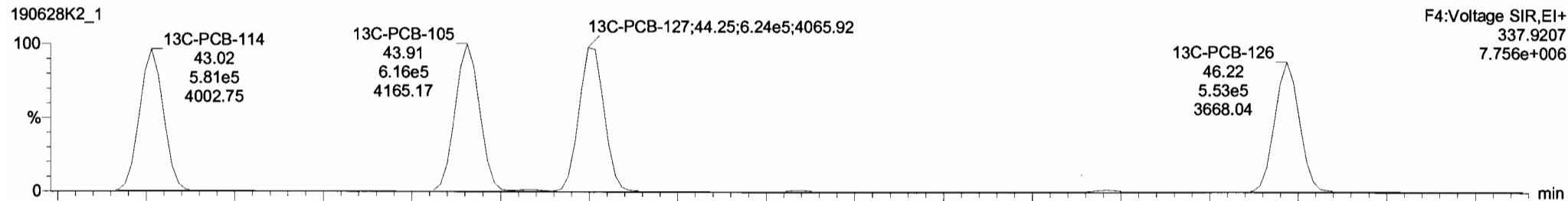
PCB-114



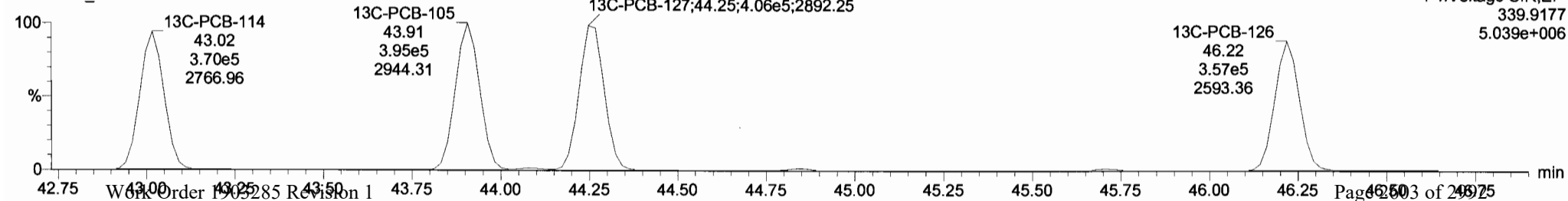
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13C-PCB-114

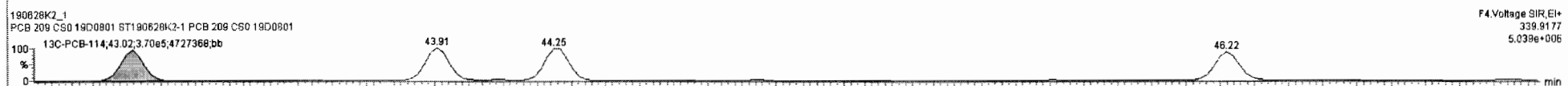
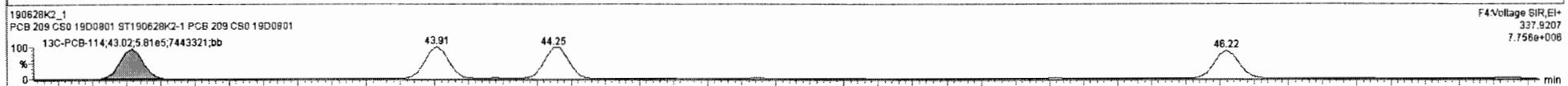
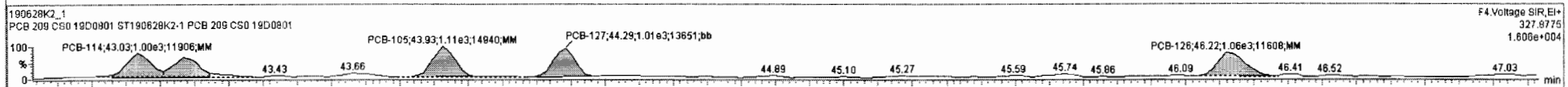
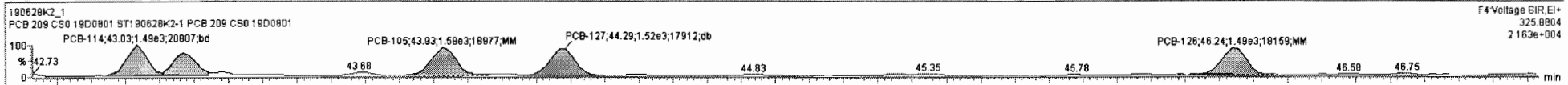


190628K2_1



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.968	0.968	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	13C-PCB-178	5.81e5	0.45	NO	0.9748	1.000	46.58	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.000	0.000	NO	0.6823	NO	0.0291	0.6823		
225	225 Total Di-PCBs				1.0592	1.000	0.000	0.000	NO	2.753	NO	0.170	2.753		
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.000	0.000	NO	1.895	NO	0.0699	1.895		
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.000	0.000	NO	3.738	NO	0.197	3.738		
228	228 Total Tetra-PCBs				0.9661	1.000	0.000	0.000	NO	9.554	NO	0.358	9.554		
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.000	0.000	NO	9.374	NO	0.418	9.594		
230	230 4th Function Penta-PCBs				1.1112	1.000	0.000	0.000	NO	1.134	NO	0.0609	1.134		
231	231 3rd Function Hexa-PCBs				0.7740	1.000	0.000	0.000	NO	3.261	NO	0.0621	3.261		
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.000	0.000	NO	6.404	NO	0.202	6.404		
233	233 Total Hepta-PCBs				1.2638	1.000	0.000	0.000	NO	5.554	NO	0.637	5.554		

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1:2 Ratio (Pred)	RA	n/y	EMPC	Conc
97	PCB-126	46.24	46.24	1.489e3	1.056e3	1.580	1.41	NO	0.23081	0.23081
98	PCB-127	44.27	44.29	1.524e3	1.010e3	1.580	1.51	NO	0.22193	0.22193
99	PCB-105	43.82	43.93	1.579e3	1.111e3	1.590	1.42	NO	0.24184	0.24184
100	PCB-122	43.17	43.17	1.167e3	8.175e2	1.580	1.43	NO	0.21463	0.21463
101	PCB-114	43.04	43.03	1.487e3	9.998e2	1.580	1.49	NO	0.22512	0.22512

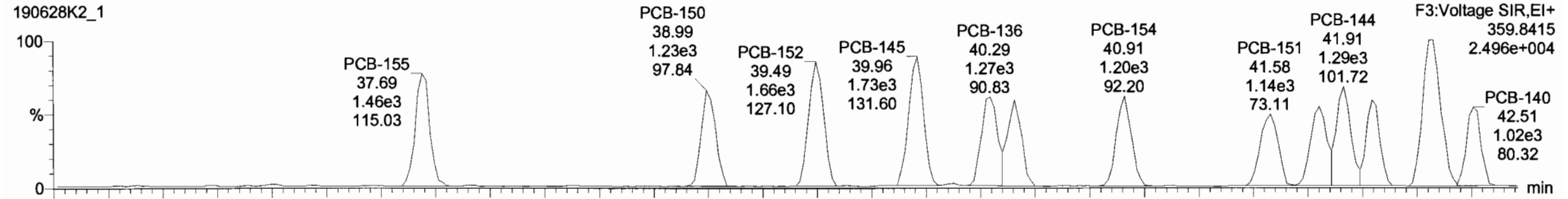


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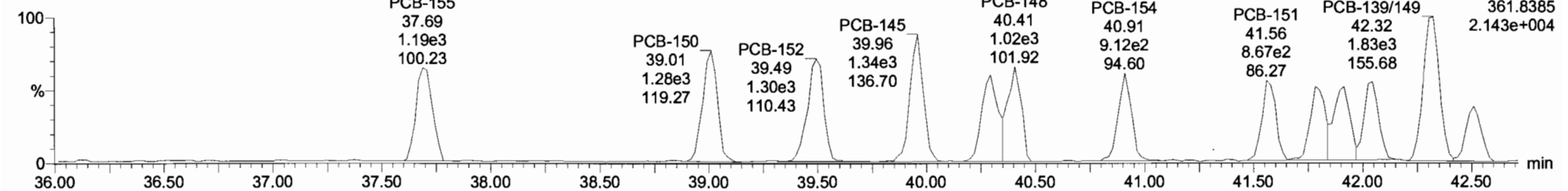
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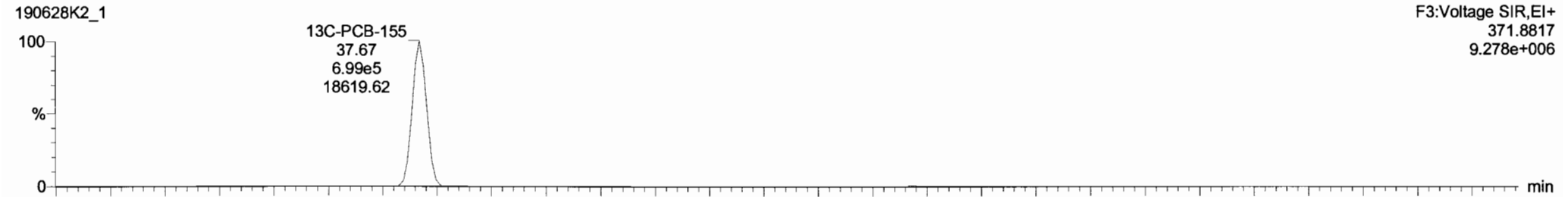
PCB-155



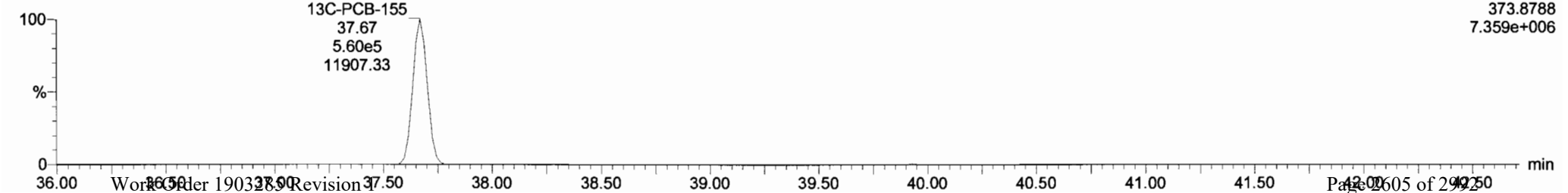
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13C-PCB-155



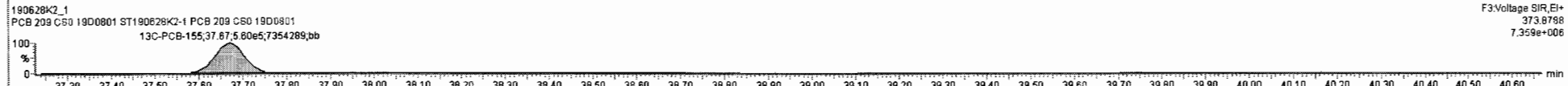
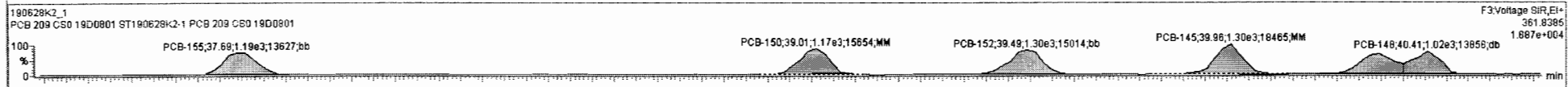
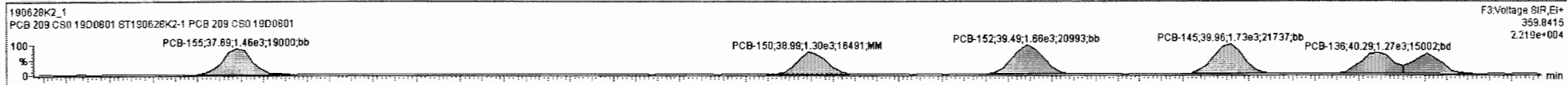
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190628K2_1 - ST190628K2-1.PCB.209.CS0.19D0801 - PCB.209.CS0.19D0801

#	Name	Resp	RA	n/y	RRF	wch/ol	Pred RT	RT	Pred F	RRT	RRT Fail	Conc	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.80	55.80	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.9746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.6823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0568	1.000	0.00		0.000		NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	9.554		0.358	9.554
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.394
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	1.134		0.0809	1.134
231	231 3rd Function Hexa-PCBs				0.7738	1.000	0.00		0.000		NO	3.759		0.0822	3.259
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00		0.000		NO	5.554		0.637	5.554

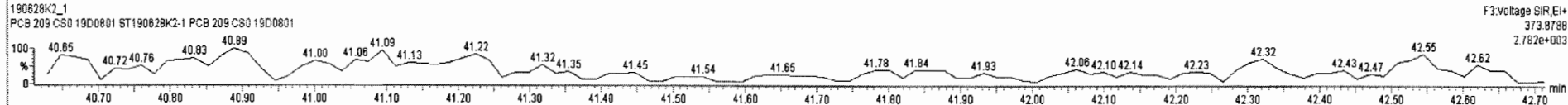
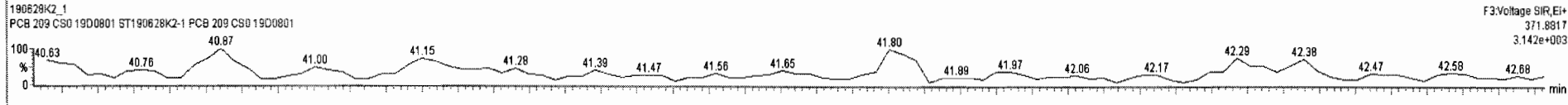
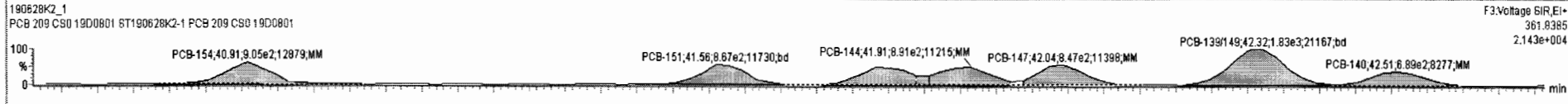
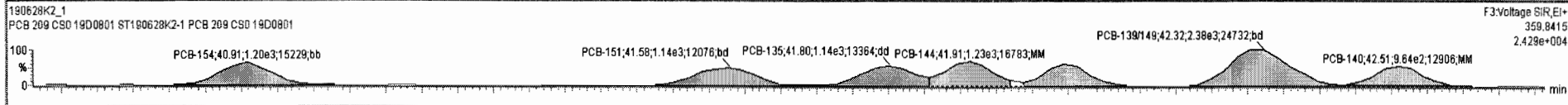
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc
1	98 PCB-155	37.69	37.69	1.460e3	1.191e3	1.240	1.23	NO	0.24106	0.24106
2	99 PCB-150	39.98	39.98	1.296e3	1.174e3	1.240	1.10	NO	0.22277	0.22277
3	100 PCB-152	39.48	39.48	1.883e3	1.297e3	1.240	1.28	NO	0.23416	0.23416
4	101 PCB-145	39.95	39.96	1.728e3	1.302e3	1.240	1.33	NO	0.24074	0.24074
5	102 PCB-136	40.28	40.29	1.270e3	1.081e3	1.240	1.18	NO	0.22150	0.22150
6	103 PCB-148	40.38	40.41	1.088e3	1.015e3	1.240	1.07	NO	0.24108	0.24108
7	104 PCB-154	40.90	40.91	1.200e3	9.049e2	1.240	1.33	NO	0.23093	0.23093
8	105 PCB-151	41.58	41.58	1.138e3	8.672e2	1.240	1.31	NO	0.25209	0.25209
9	106 PCB-135	41.80	41.80	1.142e3	9.323e2	1.240	1.23	NO	0.23018	0.23018



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.29e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.6823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0565	1.000	0.00		0.000		NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9661	1.000	0.00		0.000		NO	9.554		0.358	9.554
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.584
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	1.134		0.0809	1.134
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	3.259		0.0622	3.259
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2638	1.000	0.00		0.000		NO	5.554		0.637	5.554

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	98 PCB-155	37.69	37.69	1.460e3	1.191e3	1.240	1.23	NO	0.24106	0.24106
2	99 PCB-150	38.96	38.99	1.296e3	1.174e3	1.240	1.10	NO	0.22277	0.22277
3	100 PCB-152	39.48	39.49	1.663e3	1.297e3	1.240	1.28	NO	0.23416	0.23416
4	101 PCB-145	39.95	39.96	1.728e3	1.302e3	1.240	1.33	NO	0.24074	0.24074
5	102 PCB-136	40.28	40.29	1.270e3	1.081e3	1.240	1.18	NO	0.22150	0.22150
6	103 PCB-148	40.39	40.41	1.089e3	1.015e3	1.240	1.07	NO	0.24106	0.24106
7	104 PCB-154	40.90	40.91	1.200e3	9.049e2	1.240	1.33	NO	0.23093	0.23093
8	105 PCB-151	41.58	41.58	1.138e3	8.672e2	1.240	1.31	NO	0.25209	0.25209
9	106 PCB-135	41.80	41.80	1.142e3	9.323e2	1.240	1.23	NO	0.23018	0.23018

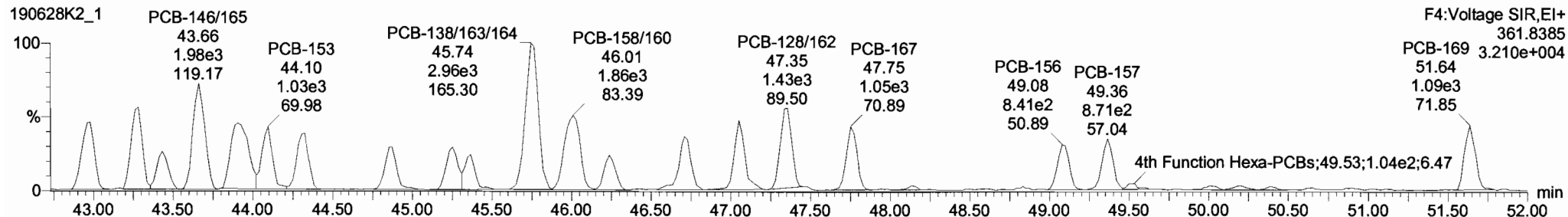
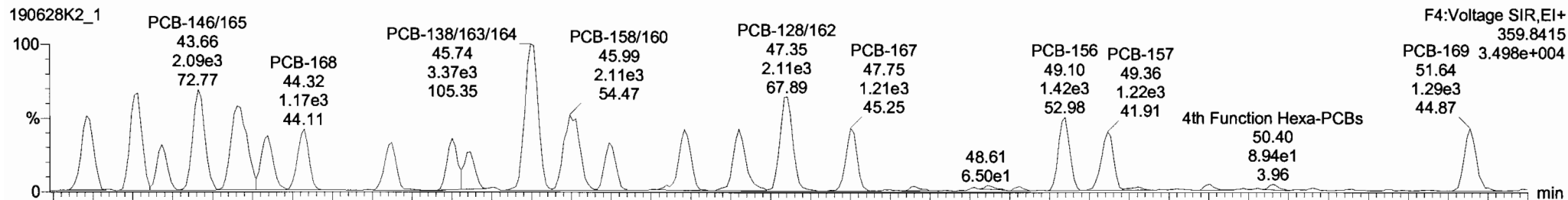


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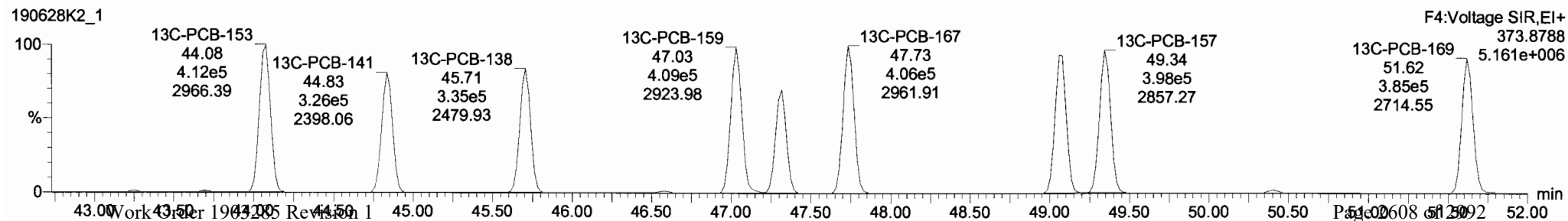
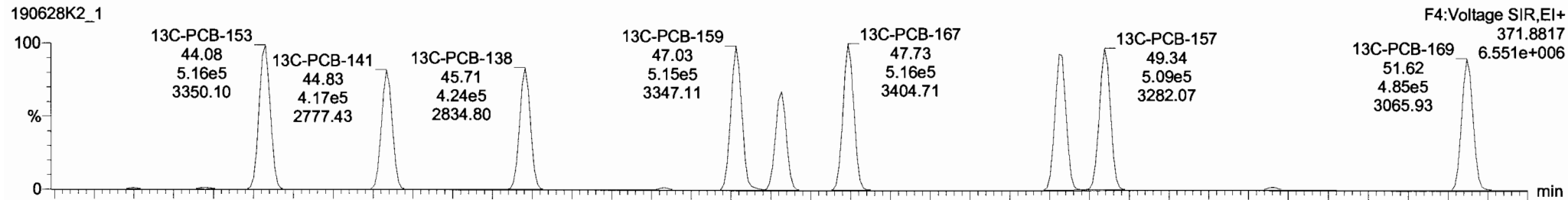
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PCB-134/143



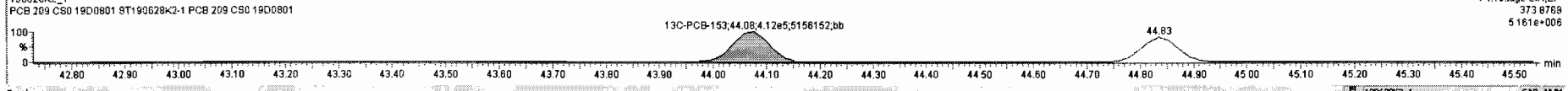
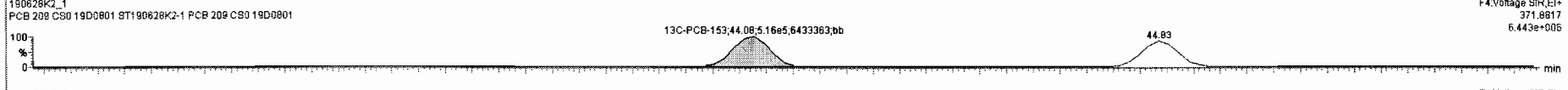
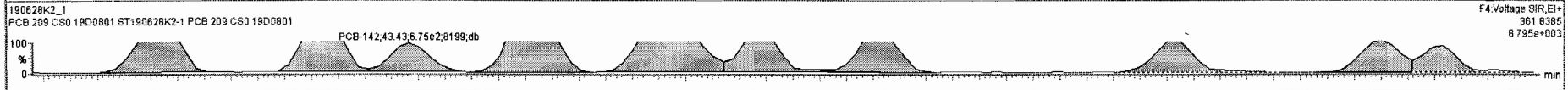
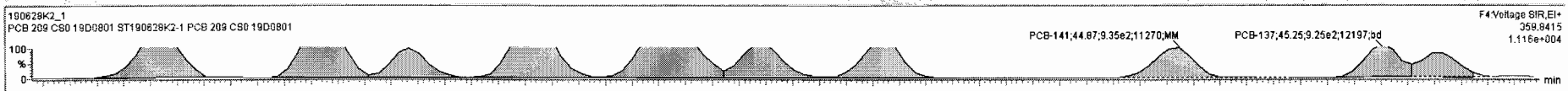
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190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

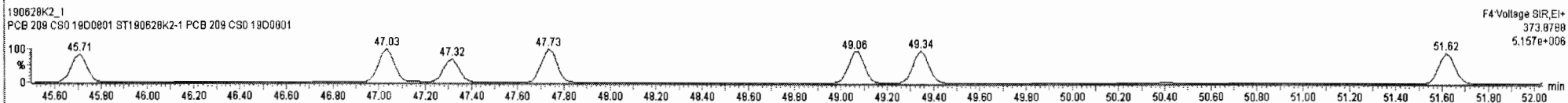
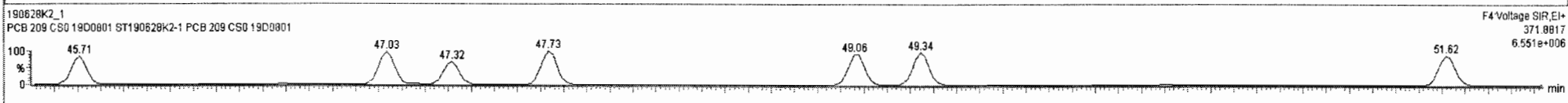
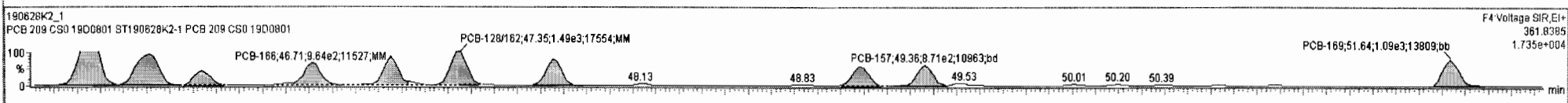
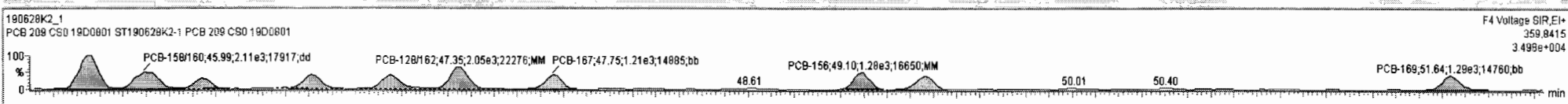
#	Name	Resp	RA	nLy	RFF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.50	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	13C-PCB-178	5.82e5	0.45	NO	0.6746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0719	
224	Total Mono-PCBs				1.0122	1.000	0.00	0.000	0.000	0.000	NO	0.6823		0.0291	0.6823
225	Total Di-PCBs				1.0592	1.000	0.00	0.000	0.000	0.000	NO	2.753		0.170	2.753
226	2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000	0.000	0.000	NO	1.895		0.0699	1.895
227	3rd Function Tri-PCBs				1.0566	1.000	0.00	0.000	0.000	0.000	NO	3.738		0.197	3.738
228	Total Tetra-PCBs				0.9661	1.000	0.00	0.000	0.000	0.000	NO	9.554		0.358	9.554
229	3rd Function Penta-PCBs				1.1152	1.000	0.00	0.000	0.000	0.000	NO	9.374		0.418	9.594
230	4th Function Penta-PCBs				1.1112	1.000	0.00	0.000	0.000	0.000	NO	1.134		0.0809	1.134
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000	0.000	0.000	NO	3.259		0.0622	3.259
232	4th Function Hexa-PCBs				0.9712	1.000	0.00	0.000	0.000	0.000	NO	8.404		0.202	6.404
233	Total Hepta-PCBs				1.2638	1.000	0.00	0.000	0.000	0.000	NO	5.554		0.637	5.554

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	nLy	EMPC	Conc.
1	111 PCB-134/143	42.96	42.96	1.599e3	1.334e3	1.240	1.19	NO	0.42983	0.42983
2	112 PCB-131/133	43.26	43.28	1.999e3	1.441e3	1.240	1.39	NO	0.46939	0.46939
3	113 PCB-142	43.45	43.43	8.165e2	6.754e2	1.240	1.21	NO	0.22717	0.22717
4	114 PCB-146/165	43.66	43.66	2.095e3	1.978e3	1.240	1.06	NO	0.45767	0.45767
5	115 PCB-132/161	43.91	43.91	2.352e3	1.840e3	1.240	1.28	NO	0.46576	0.46576
6	116 PCB-153	44.09	44.10	1.125e3	1.033e3	1.240	1.09	NO	0.23112	0.23112
7	117 PCB-168	44.30	44.32	1.170e3	1.034e3	1.240	1.13	NO	0.23427	0.23427
8	118 PCB-141	44.88	44.87	9.351e2	7.519e2	1.240	1.24	NO	0.23455	0.23455
9	119 PCB-137	45.25	45.25	9.249e2	7.825e2	1.240	1.18	NO	0.23252	0.23252



#	Name	Resp	RA	n/y	RRF	wVol	Pred_RT	RT	Pred_R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	13C-PCB-178	5.62e5	0.45	NO	0.8746	1.000	46.58	46.58	0.968	0.968	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	13C-PCB-178	5.61e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.6	102	0.0718	
224	Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000	0.000	NO	0.6823		0.0291	0.6823
225	Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000	0.000	NO	2.753		0.170	2.753
226	2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000	0.000	NO	1.895		0.0699	1.895
227	3rd Function Tri-PCBs				1.0566	1.000	0.00	0.00	0.000	0.000	NO	3.738		0.197	3.738
228	Total Tetra-PCBs				0.9681	1.000	0.00	0.00	0.000	0.000	NO	9.554		0.358	9.554
229	3rd Function Penta-PCBs				1.1152	1.000	0.00	0.00	0.000	0.000	NO	9.374		0.418	9.584
230	4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000	0.000	NO	1.134		0.0809	1.134
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000	0.000	NO	3.259		0.0622	3.259
232	4th Function Hexa-PCBs				0.9712	1.000	0.00	0.00	0.000	0.000	NO	5.404		0.202	6.404
233	Total Hepta-PCBs				1.2638	1.000	0.00	0.00	0.000	0.000	NO	5.554		0.637	5.554

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/I/43	42.96	42.96	1.589e3	1.334e3	1.240	1.19	NO	0.42983	0.42983
2	112 PCB-131/I/33	43.26	43.28	1.999e3	1.441e3	1.240	1.38	NO	0.46839	0.46839
3	113 PCB-142	43.45	43.43	8.165e2	6.754e2	1.240	1.21	NO	0.22717	0.22717
4	114 PCB-146/I/65	43.66	43.86	2.095e3	1.978e3	1.240	1.08	NO	0.45767	0.45767
5	115 PCB-132/I/61	43.91	43.91	2.352e3	1.640e3	1.240	1.28	NO	0.46576	0.46576
6	116 PCB-153	44.09	44.10	1.125e3	1.033e3	1.240	1.09	NO	0.23112	0.23112
7	117 PCB-168	44.30	44.32	1.170e3	1.034e3	1.240	1.13	NO	0.23427	0.23427
8	118 PCB-141	44.88	44.87	9.351e2	7.519e2	1.240	1.24	NO	0.23455	0.23455
9	119 PCB-137	45.25	45.25	9.249e2	7.825e2	1.240	1.18	NO	0.23252	0.23252



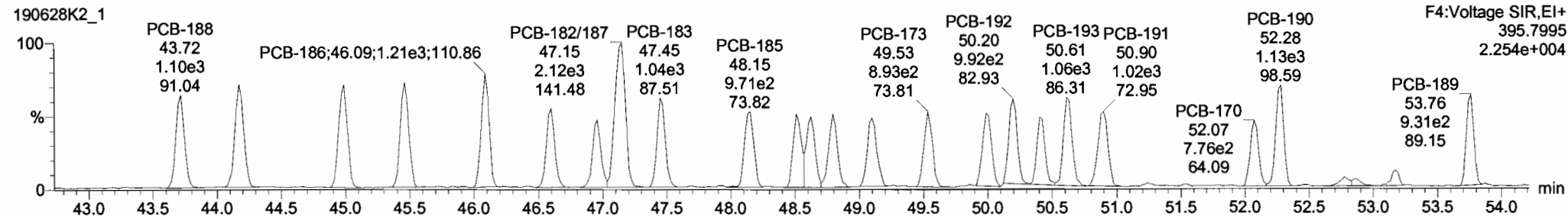
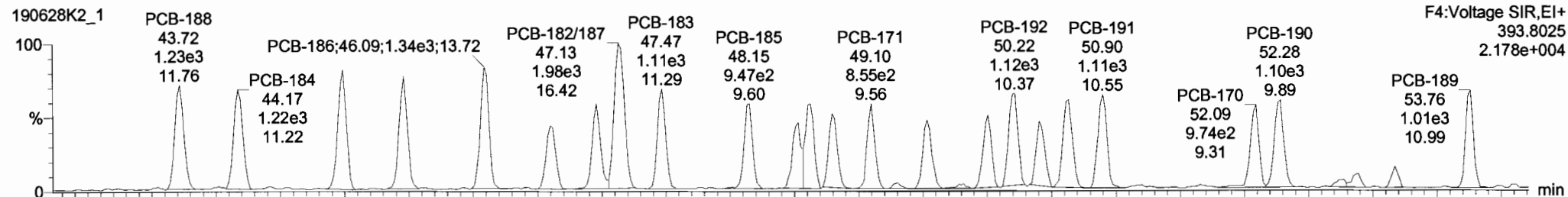
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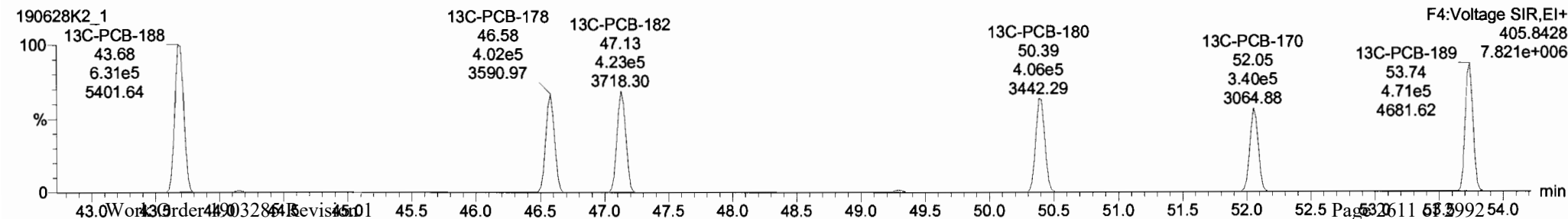
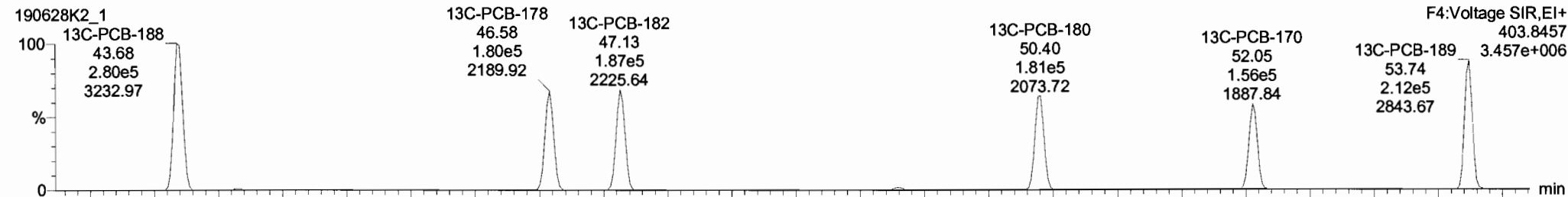
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PCB-188



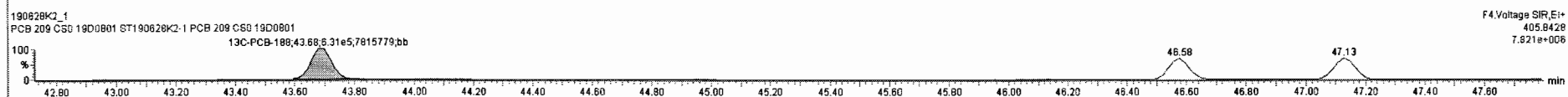
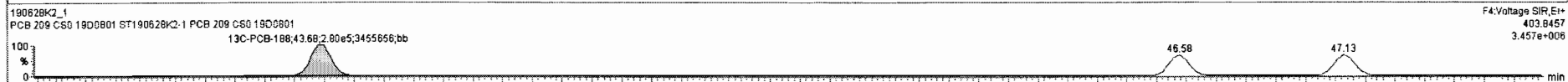
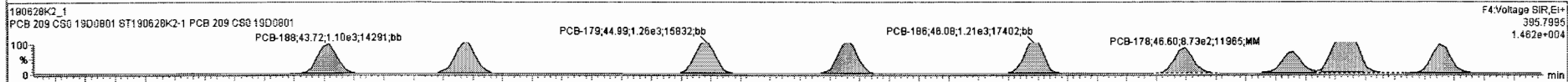
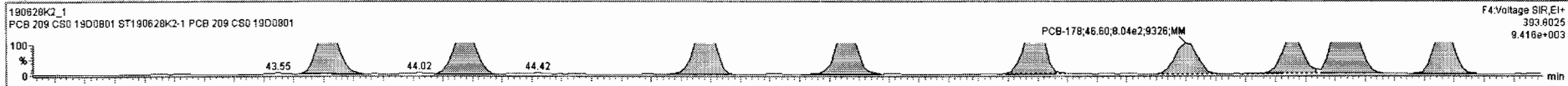
13C-PCB-188



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

#	Name	Resp	RA	n/y	RRF	wtAvt	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.80	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0690	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.968	0.968	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.78	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.8	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000	0.000	0.6823	NO	0.0291		0.6823	
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000	0.000	2.753	NO	0.170		2.753	
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000	0.000	1.895	NO	0.0699		1.895	
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00	0.000	0.000	3.738	NO	0.197		3.738	
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.000	0.000	9.554	NO	0.359		9.554	
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00	0.000	0.000	9.374	NO	0.418		9.594	
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000	0.000	1.134	NO	0.0809		1.134	
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000	0.000	3.259	NO	0.0622		3.259	
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00	0.000	0.000	6.404	NO	0.202		6.404	
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.000	0.000	5.544	NO	0.637		5.544	

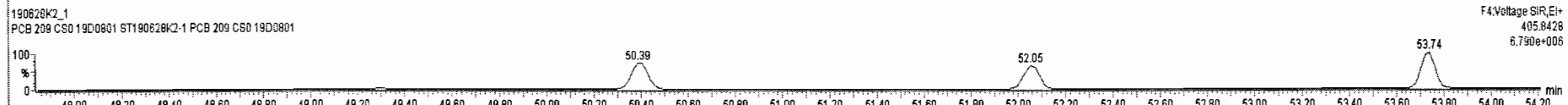
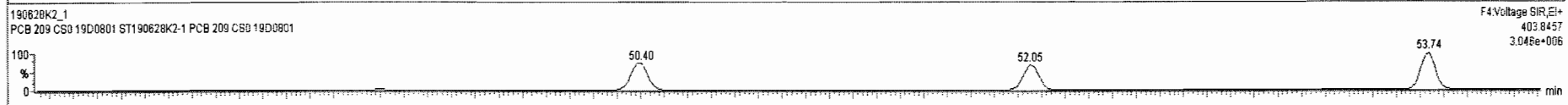
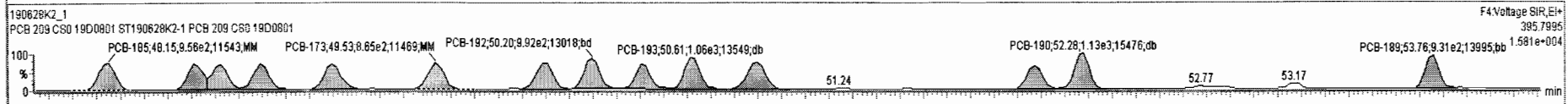
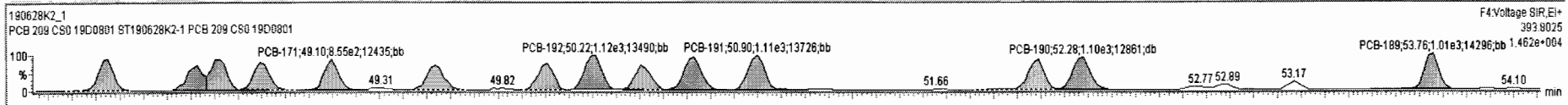
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
15	145 PCB-173	49.56	49.53	7.985e2	8.654e2	1.050	0.92	NO	0.24820	0.24820
16	146 PCB-172	50.02	50.01	8.589e2	9.364e2	1.050	0.92	NO	0.23386	0.23386
17	147 PCB-192	50.22	50.22	1.124e3	9.915e2	1.050	1.13	NO	0.21172	0.21172
18	148 PCB-180	50.43	50.40	7.893e2	7.589e2	1.050	1.01	NO	0.19709	0.19709
19	149 PCB-193	50.64	50.63	1.105e3	1.057e3	1.050	1.05	NO	0.23910	0.23910
20	150 PCB-191	50.90	50.90	1.108e3	1.021e3	1.050	1.09	NO	0.23038	0.23038
21	151 PCB-170	52.07	52.08	9.365e2	7.765e2	1.050	1.21	NO	0.25399	0.25399
22	152 PCB-190	52.26	52.28	1.102e3	1.133e3	1.050	0.97	NO	0.24484	0.24484
23	153 PCB-189	53.76	53.78	1.008e3	9.308e2	1.050	1.08	NO	0.21302	0.21302



190628K2_1 - ST190628K2-1.PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

#	Name	Resp	RA	n/y	RRF	wVol	Pred.RT	RT	Pred.R	RRT	RRTI	Conc.	%Rec	DL	EMPC
219	13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0590	
221	13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.59	46.59	0.968	0.968	NO	105.4	105	0.0722	
222	13C-PCB-79	1.31e6	0.76	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	101.0	101	0.0612	
223	13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.59	0.924	0.924	NO	101.6	102	0.0718	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	0.6823		0.0291	0.6823
225	Total Di-PCBs				1.0582	1.000	0.00		0.000		NO	2.753		0.170	2.753
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	1.895		0.0699	1.895
227	3rd Function Tri-PCBs				1.0566	1.000	0.00		0.000		NO	3.738		0.197	3.738
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	9.554		0.358	9.554
229	3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000		NO	9.374		0.418	9.594
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	1.134		0.0809	1.134
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	3.259		0.0622	3.259
232	4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	6.404		0.202	6.404
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	5.544		0.637	5.544

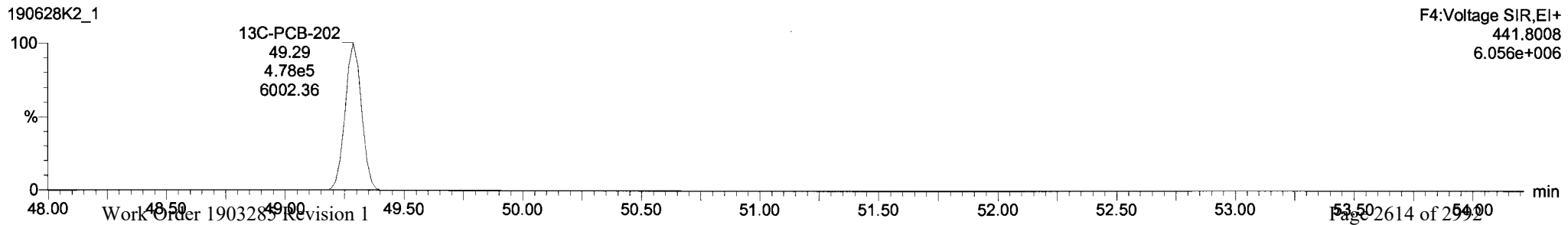
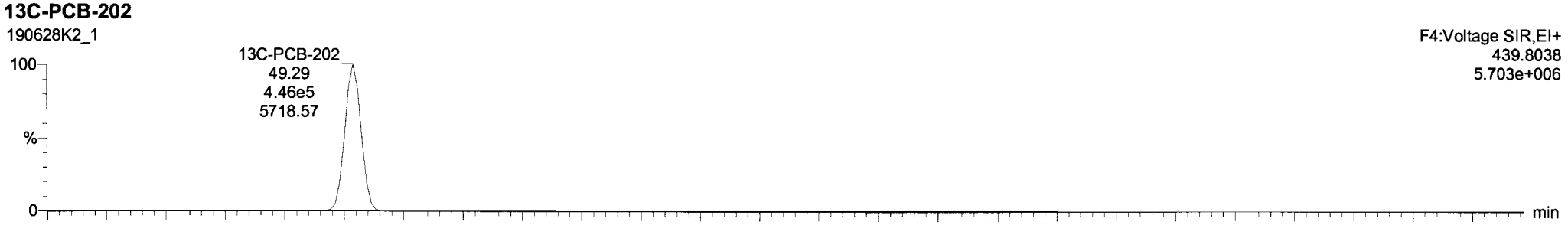
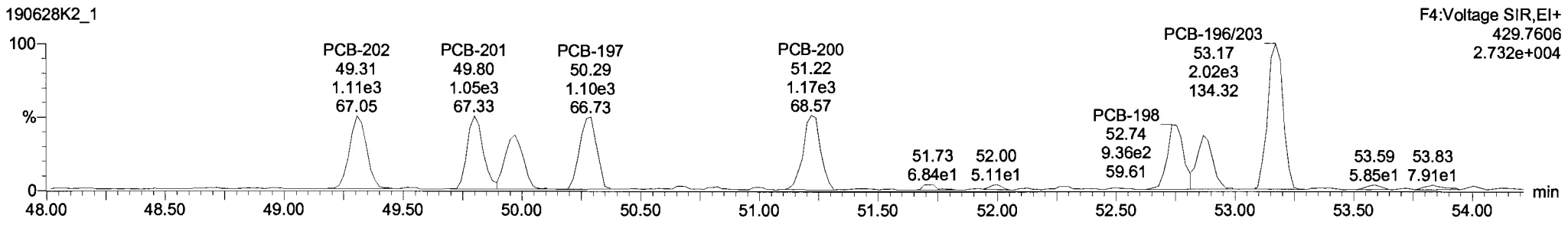
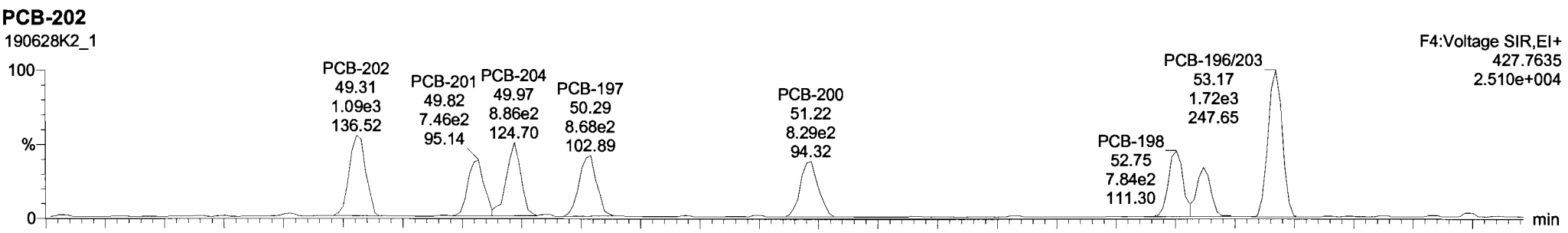
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
15	145 PCB-173	49.56	49.53	7.985e2	8.654e2	1.050	0.92	NO	0.24820	0.24820
16	146 PCB-172	50.02	50.01	8.598e2	9.384e2	1.050	0.92	NO	0.23365	0.23365
17	147 PCB-192	50.22	50.22	1.124e3	9.915e2	1.050	1.13	NO	0.21172	0.21172
18	148 PCB-180	50.43	50.40	7.893e2	7.588e2	1.050	1.01	NO	0.19709	0.19709
19	149 PCB-193	50.64	50.63	1.105e3	1.057e3	1.050	1.05	NO	0.23910	0.23910
20	150 PCB-191	50.90	50.90	1.108e3	1.021e3	1.050	1.09	NO	0.23038	0.23038
21	151 PCB-170	52.07	52.09	9.365e2	7.765e2	1.050	1.21	NO	0.25399	0.25399
22	152 PCB-190	52.26	52.28	1.102e3	1.133e3	1.050	0.97	NO	0.24484	0.24484
23	153 PCB-189	53.76	53.76	1.008e3	9.308e2	1.050	1.08	NO	0.21302	0.21302



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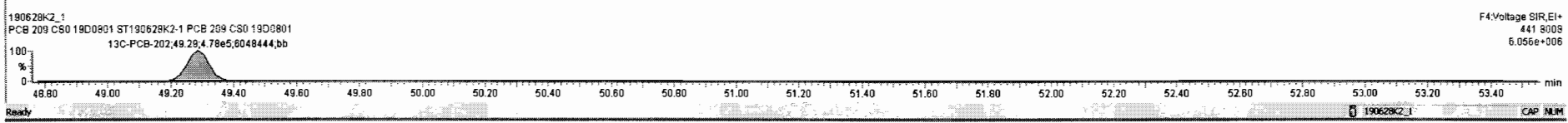
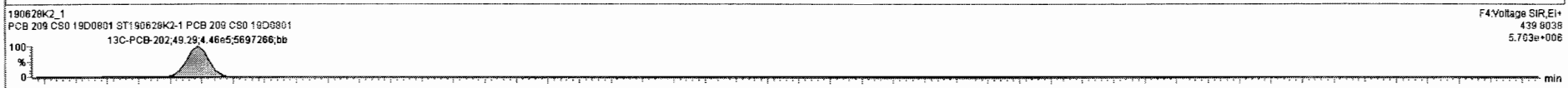
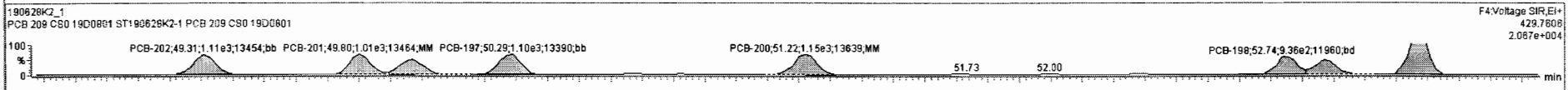
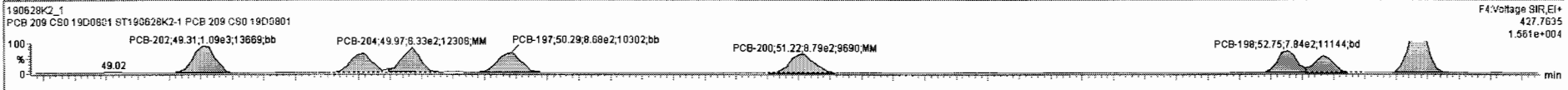
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190628K2_1 - ST190628K2-1 PCB 209 C50 19D0801 - PCB 209 C50 19D0801

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
219	219 13C-PCB-205	8.28e5	0.91	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0453	
220	220 13C-PCB-79	1.31e6	0.77	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	101.6	102	0.0690	
221	221 13C-PCB-178	5.82e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	105.4	105	0.0722	
222	222 13C-PCB-79	1.31e6	0.78	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	101.0	101	0.0612	
223	223 13C-PCB-178	5.81e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	101.5	102	0.0718	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000	0.000	NO	0.6823		0.0291	0.6823
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000	0.000	NO	2.753		0.170	2.753
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000	0.000	NO	1.895		0.0699	1.895
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00		0.000	0.000	NO	3.738		0.197	3.738
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000	0.000	NO	9.554		0.358	9.554
229	229 3rd Function Penta-PCBs				1.1152	1.000	0.00		0.000	0.000	NO	9.374		0.418	9.594
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000	0.000	NO	1.134		0.0809	1.134
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000	0.000	NO	3.259		0.0622	3.259
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000	0.000	NO	6.404		0.202	6.404
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000	0.000	NO	5.544		0.637	5.544

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	49.33	49.31	1.085e3	1.110e3	0.890	0.96	NO	0.23193	0.23193
2	155 PCB-201	49.79	49.82	7.715e2	1.014e3	0.890	0.76	NO	0.21104	0.21104
3	156 PCB-204	49.97	49.97	8.331e2	8.771e2	0.890	0.95	NO	0.18899	0.18899
4	157 PCB-197	50.26	50.29	6.881e2	1.103e3	0.890	0.79	NO	0.21781	0.21781
5	158 PCB-200	51.21	51.22	6.739e2	1.145e3	0.890	0.77	NO	0.22956	0.22956
6	159 PCB-198	52.75	52.75	7.838e2	9.355e2	0.890	0.84	NO	0.24960	0.24960
7	160 PCB-199	52.87	52.87	5.885e2	7.662e2	0.890	0.77	NO	0.20762	0.20762
8	161 PCB-196/203	53.17	53.17	1.717e3	2.023e3	0.890	0.85	NO	0.51554	0.51554

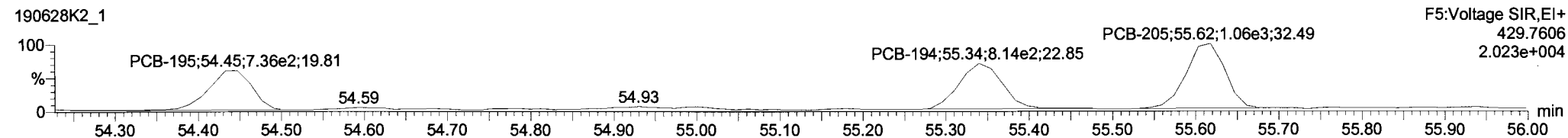
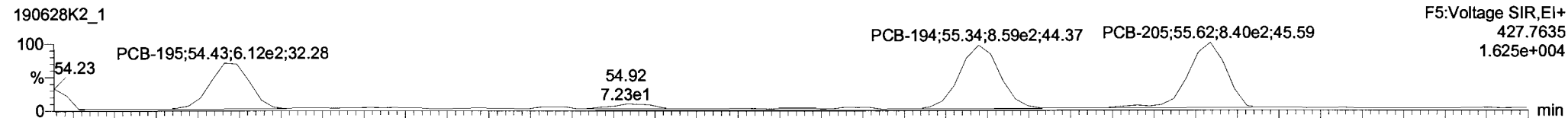


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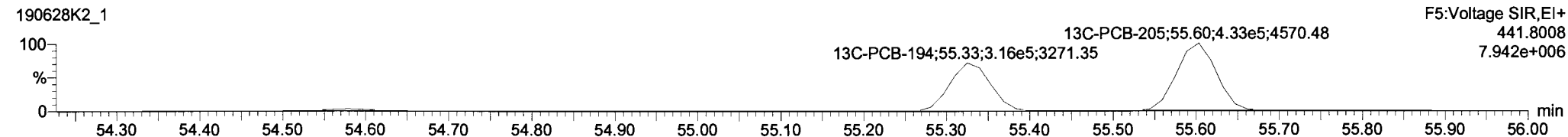
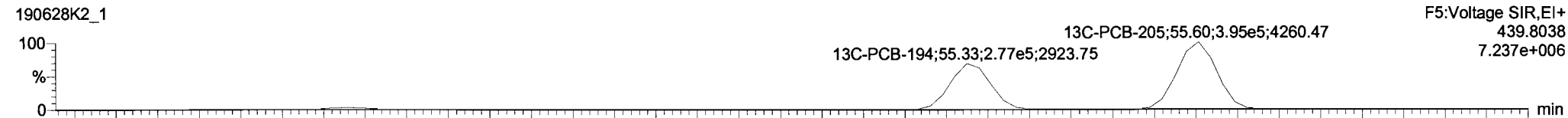
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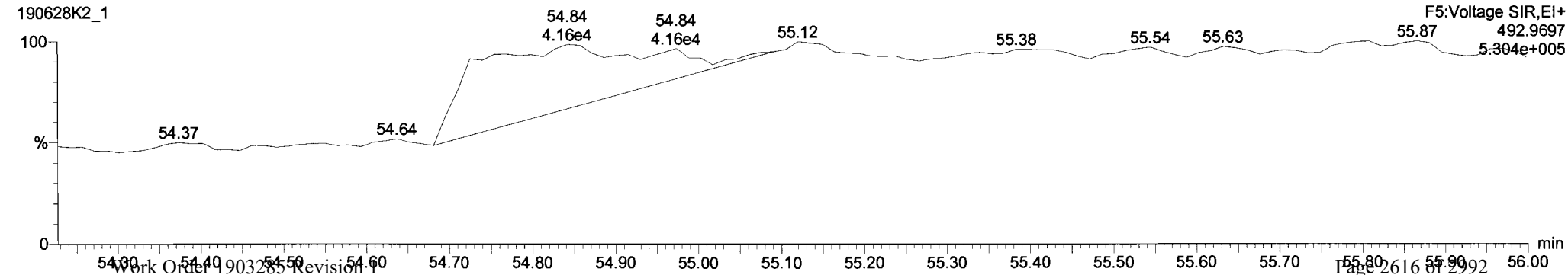
PCB-195



13C-PCB-194



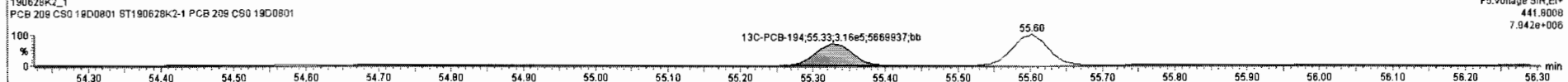
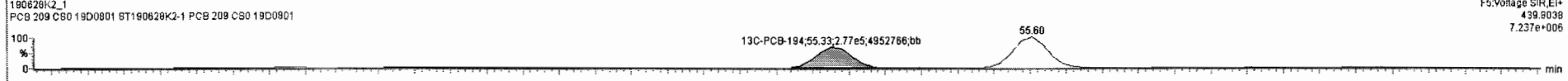
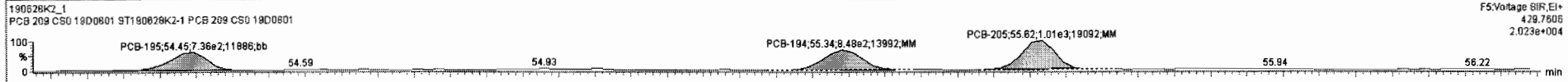
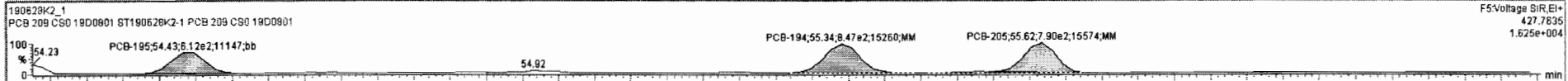
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190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

#	Name	Resp	RA	n/y	R/R	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
235	235 9th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	0.8826		0.0454	0.8826
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	0.7083		0.0179	0.7083
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	0.2291		0.00306	0.2291
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														
243	243 Tetra-Isotopes				0.9849	1.000	0.00		1.000		NO	908.5		0.560	0.0000
244	244 3rd Function Penta-Isotopes				0.9098	1.000	0.00		0.000		NO	712.8		0.260	0.0000
245	245 4th Function Penta-Isotopes				1.5424	1.000	0.00		0.000		NO	406.5		0.233	0.0000
246	246 4th Function Hexa-Isotopes				1.3060	1.000	0.00		0.000		NO	917.7		0.642	0.0000
247	247 Hepta-Isotopes														
248	248 9th Function Octa-Isotopes				0.8568	1.000	0.00		0.000		NO	200.5		0.109	0.0000
249	249 Nona-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	54.45	54.43	6.117e2	7.355e2	0.890	0.83	NO	0.21958	0.21958
2	163 PCB-194	55.34	55.34	8.467e2	8.476e2	0.890	1.00	NO	0.24686	0.24686
3	164 PCB-205	55.61	55.62	7.899e2	1.009e3	0.890	0.78	NO	0.21619	0.21619



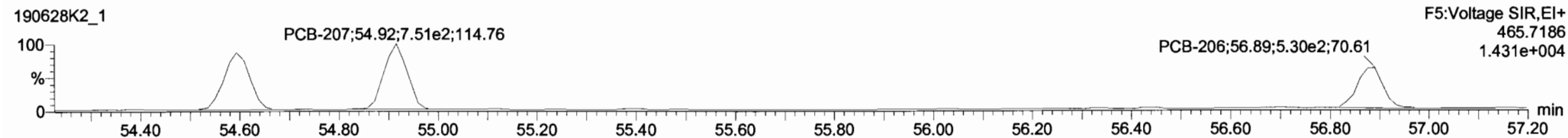
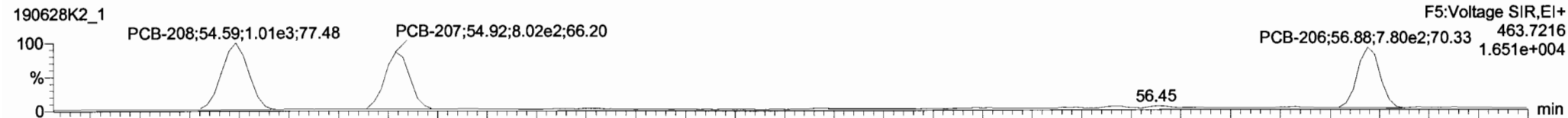
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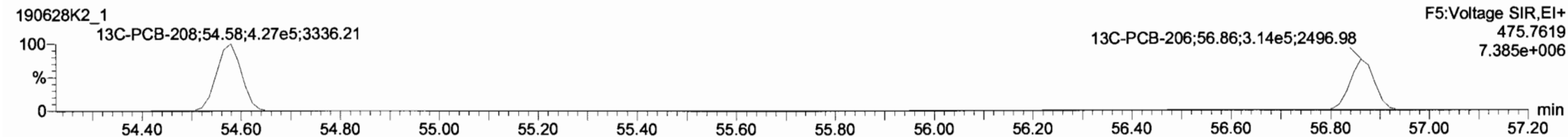
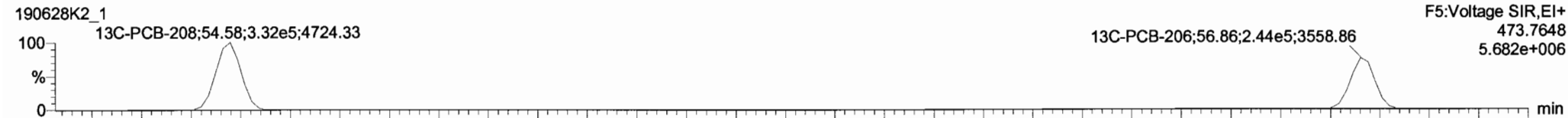
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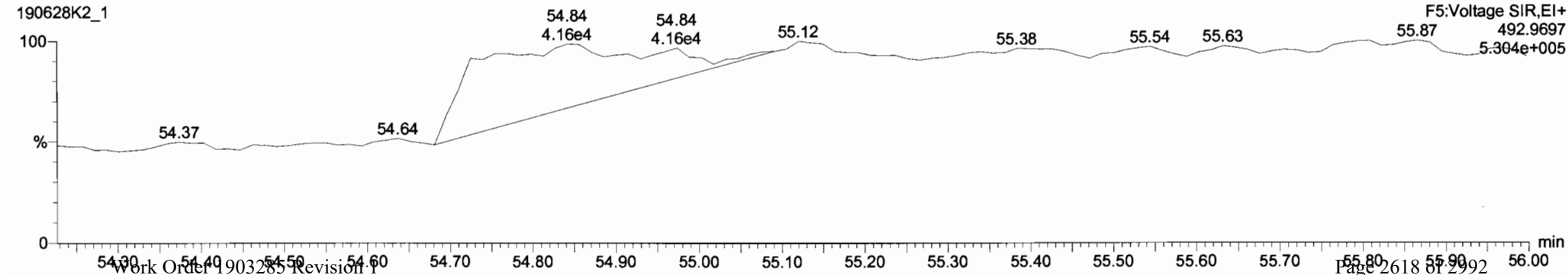
PCB-208



13C-PCB-208



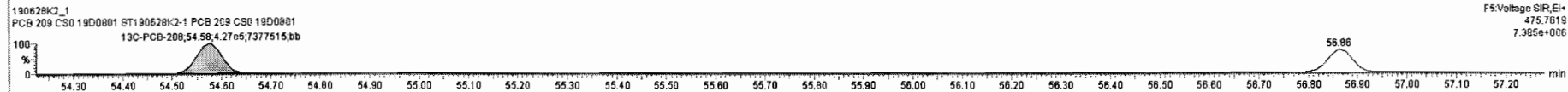
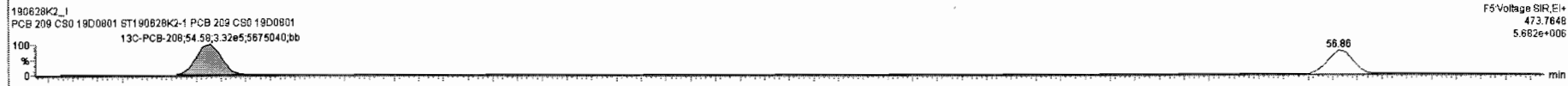
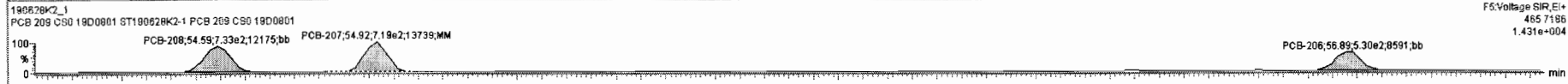
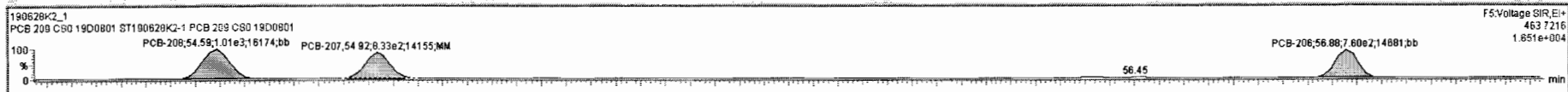
PFK5



190628K2_1 - ST190628K2-1 PCB 209 CS0 19D0801 - PCB 209 CS0 19D0801

#	Name	Resp	RA	rvy	RRT	wt/dvd	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
235	235 9th Function Octa-PCBs				1.1967	1.000	0.00	0.000	0.000		NO	0.6826		0.0454	0.6826
236	236 Total Nona-PCBs				0.9446	1.000	0.00	0.000	0.000		NO	0.7083		0.0179	0.7083
237	237 Deca-CB				0.9426	1.000	0.00	0.000	0.000		NO	0.2291		0.00306	0.2291
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														
243	243 Tetra-Isotopes				0.9849	1.000	0.00	1.000	0.000		NO	908.5		0.560	0.0000
244	244 3rd Function Penta-Isotopes				0.9098	1.000	0.00	0.000	0.000		NO	712.8		0.250	0.0000
245	245 4th Function Penta-Isotopes				1.5424	1.000	0.00	0.000	0.000		NO	400.5		0.233	0.0000
246	246 4th Function Hexa-Isotopes				1.3050	1.000	0.00	0.000	0.000		NO	917.7		0.642	0.0000
247	247 Hepta-Isotopes														
248	248 5th Function Octa-Isotopes				0.8568	1.000	0.00	0.000	0.000		NO	200.5		0.109	0.0000
249	249 Nona-Isotopes														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	165 PCB-208	54.60	54.59	1.013e3	7.329e2	1.340	1.38	NO	0.24617	0.24617
2	166 PCB-207	54.92	54.92	8.329e2	7.193e2	1.340	1.16	NO	0.22417	0.22417
3	167 PCB-206	56.88	56.88	7.804e2	5.303e2	1.340	1.47	NO	0.23797	0.23797



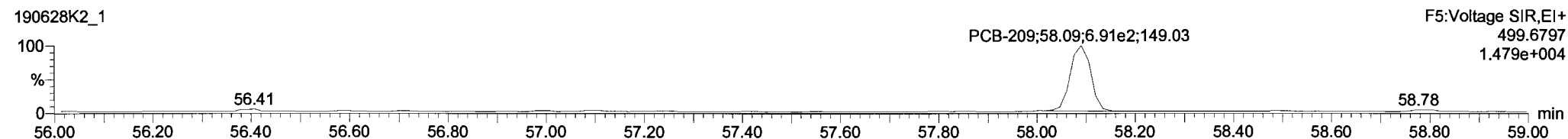
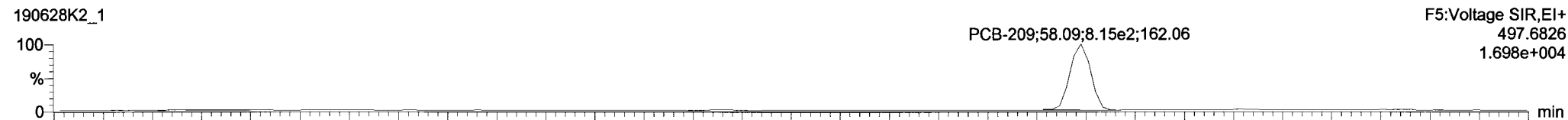
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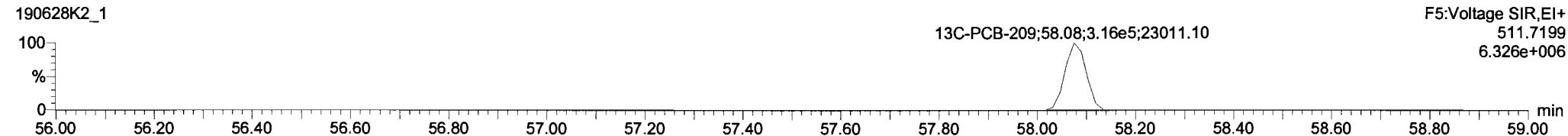
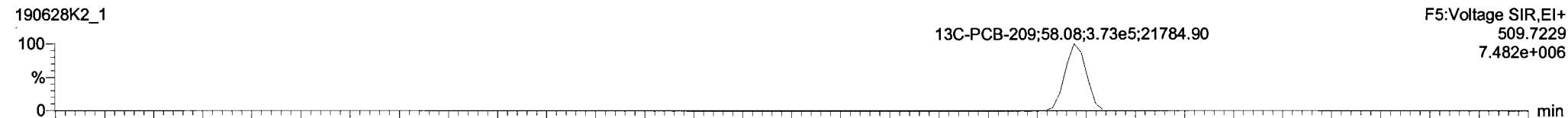
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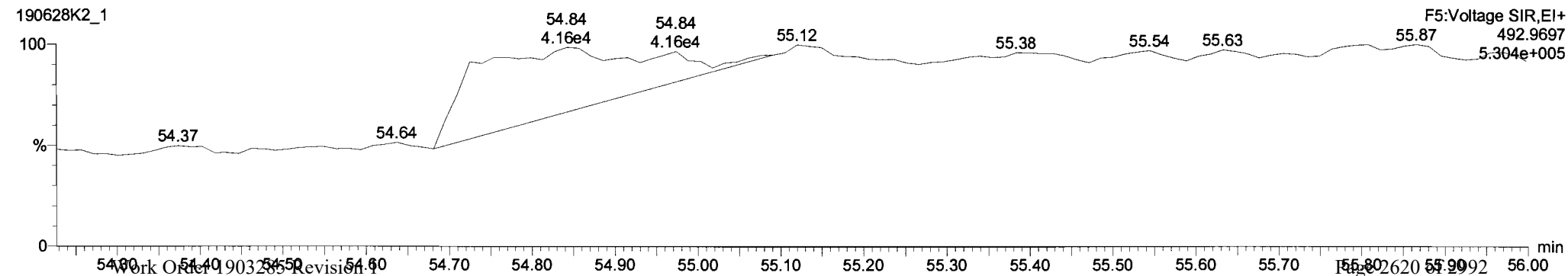
PCB-209



13C-PCB-209

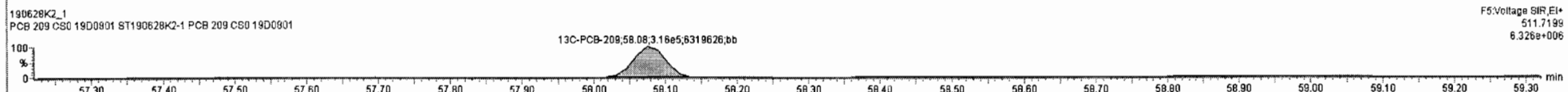
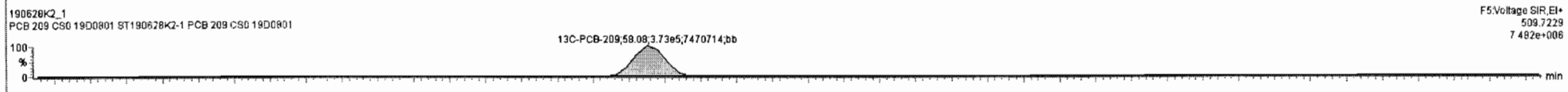
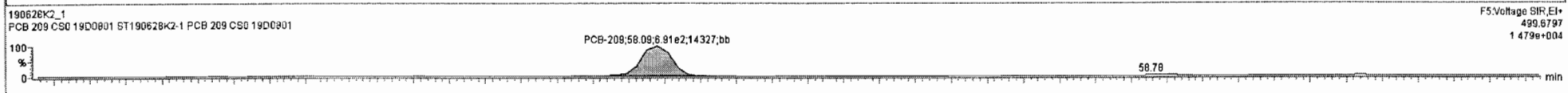
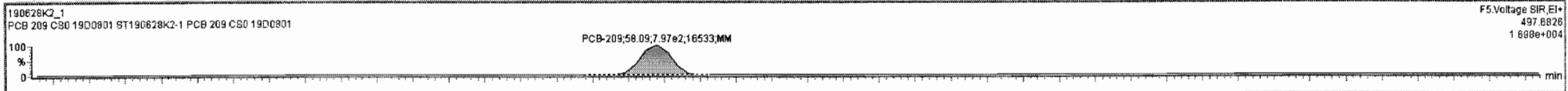


PFK5



#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	0.6826		0.0454	0.6826
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	0.7083		0.0179	0.7083
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	0.2291		0.00306	0.2291
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														
243	243 Tetra-Isotopes				0.9849	1.000	0.00		1.000		NO	908.5		0.580	0.0000
244	244 3rd Function Penta-Isotopes				0.8086	1.000	0.00		0.000		NO	712.8		0.250	0.0000
245	245 4th Function Penta-Isotopes				1.5424	1.000	0.00		0.000		NO	400.5		0.233	0.0000
246	246 4th Function Hexa-Isotopes				1.3060	1.000	0.00		0.000		NO	917.7		0.642	0.0000
247	247 Hepta-Isotopes														
248	248 5th Function Octa-Isotopes				0.8568	1.000	0.00		0.000		NO	200.5		0.109	0.0000
249	249 Nona-Isotopes														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
168	PCB-209	58.08	58.09	7.968e2	6.911e2	1.170	1.15	NO	0.22911	0.22911

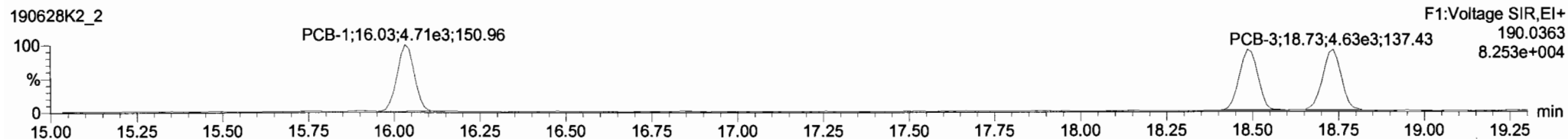


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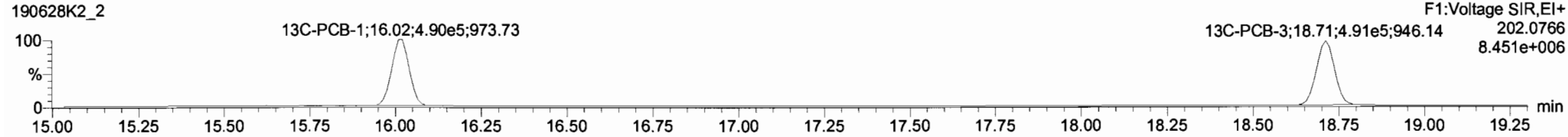
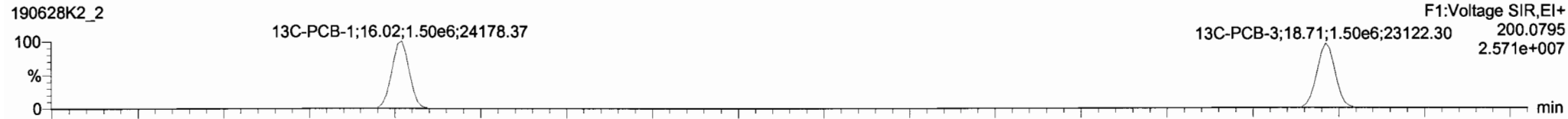
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Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

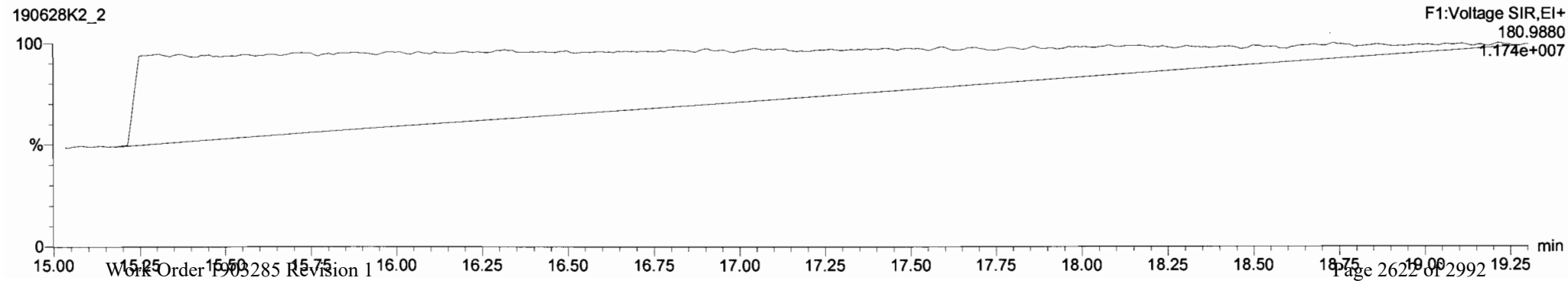
PCB-1



13C-PCB-1



PFK1



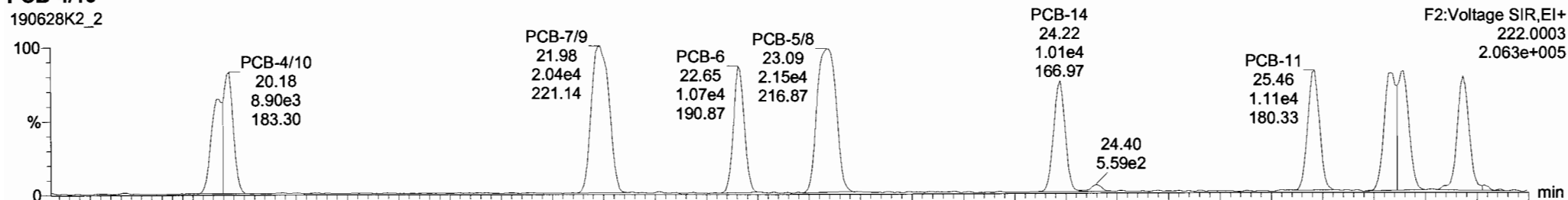
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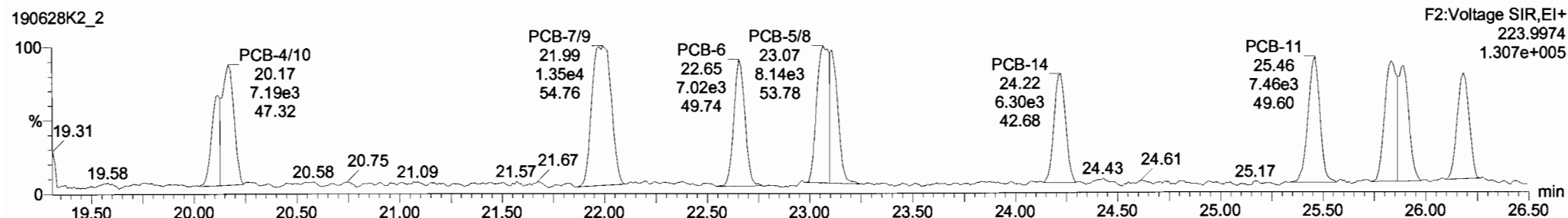
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PCB-4/10

190628K2_2

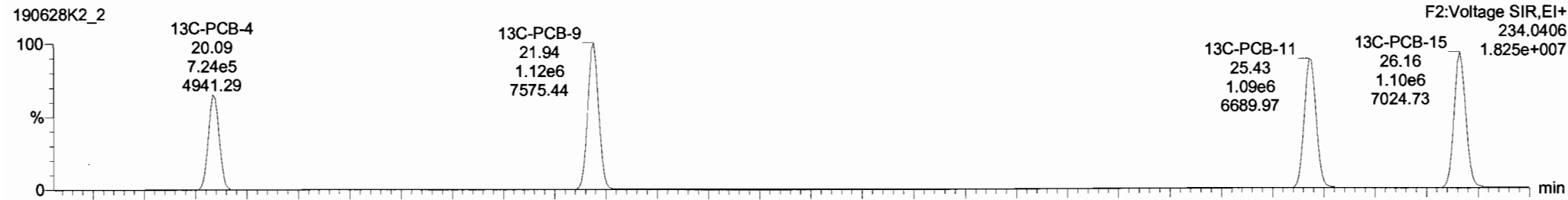


190628K2_2

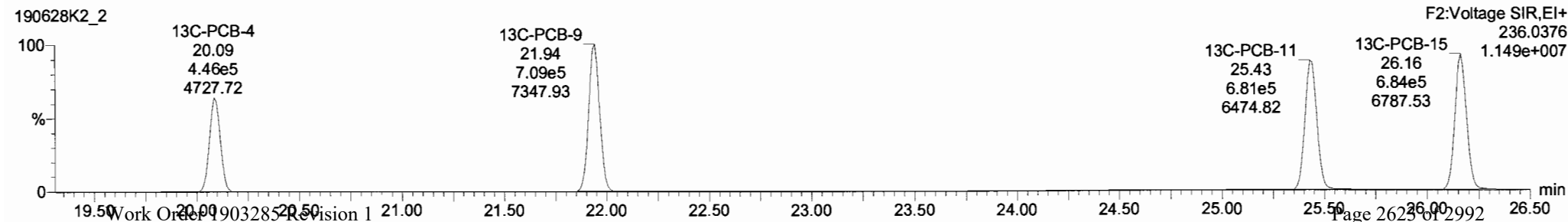


13C-PCB-4

190628K2_2

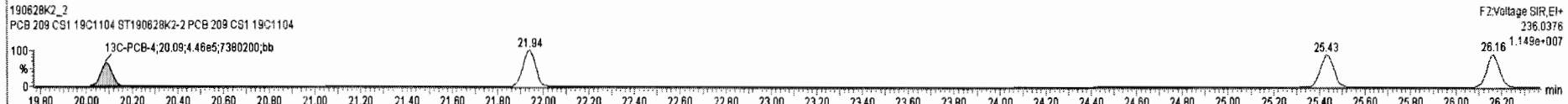
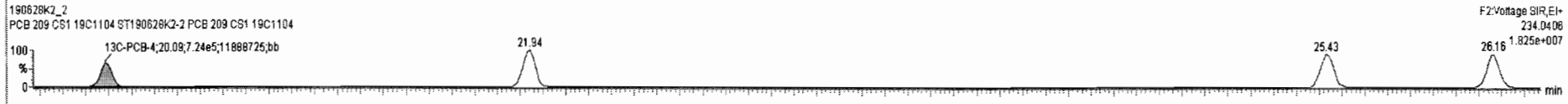
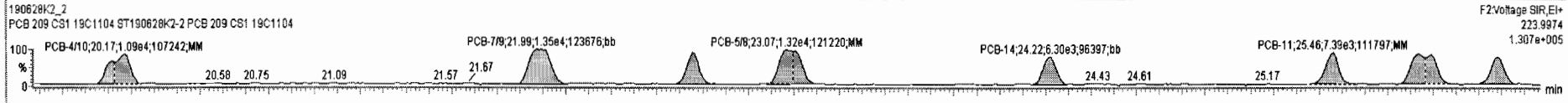
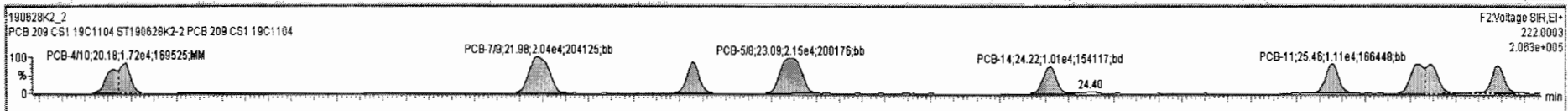


190628K2_2



#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	13C-PCB-128	6.11e5	1.23	NO	1.0000	1.000	47.32	47.32	1.000	0.000	NO	100.0	100	0.0896	
218	13C-PCB-182	5.90e5	0.46	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0546	
219	13C-PCB-205	7.49e5	0.89	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0506	
220	13C-PCB-79	1.22e6	0.78	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	97.19	97.2	0.0754	
221	13C-PCB-178	5.37e5	0.46	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	100.5	101	0.0616	
222	13C-PCB-79	1.22e6	0.78	NO	1.0454	1.000	38.48	38.47	0.968	0.968	NO	97.92	97.9	0.0773	
223	13C-PCB-178	5.37e5	0.46	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0625	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	2.888		0.0184	2.888
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	11.23		0.183	11.23
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	7.746		0.0647	7.745
227	227 3rd Function Tri-PCBs				1.0566	1.000	0.00	0.000			NO	15.09		0.234	15.09
228	228 Total Tetra-PCBs				0.8661	1.000	0.00	0.000			NO	40.04		1.06	40.03
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	39.34		0.435	39.34
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	4.728		0.0923	4.728
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	13.13		0.0560	13.13

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	20.17	20.18	1.721e4	1.068e4	1.560	1.58	NO	1.8820	1.8820
2	5 PCB-7/9	22.00	21.98	2.040e4	1.350e4	1.560	1.51	NO	1.8980	1.8983
3	6 PCB-6	22.65	22.65	1.073e4	7.025e3	1.560	1.53	NO	0.95900	0.95449
4	7 PCB-5/8	23.07	23.09	2.155e4	1.322e4	1.560	1.63	NO	1.8800	1.8800
5	8 PCB-14	24.22	24.22	1.007e4	6.298e3	1.560	1.80	NO	0.89800	0.89720
6	9 PCB-11	25.45	25.46	1.105e4	7.395e3	1.560	1.50	NO	0.95300	0.95265
7	10 PCB-12/13	25.82	25.89	2.118e4	1.287e4	1.560	1.64	NO	1.8590	1.8590
8	11 PCB-15	26.18	26.18	1.014e4	6.264e3	1.560	1.62	NO	0.90300	0.90312



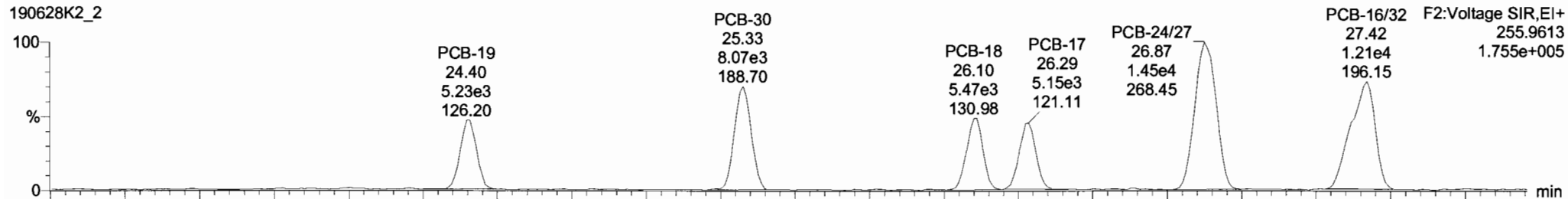
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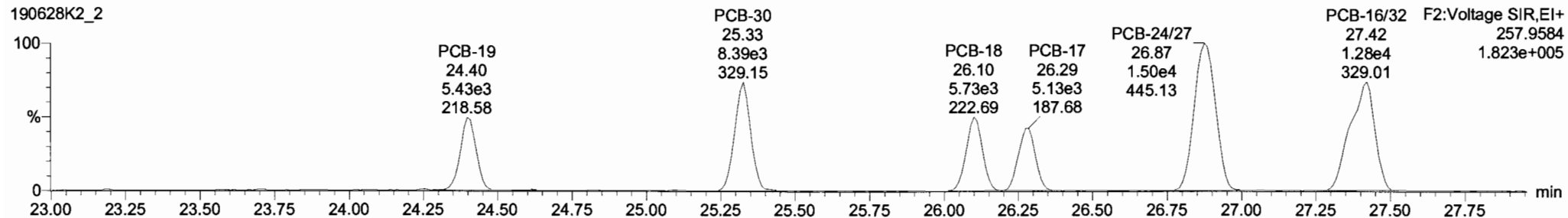
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PCB-19

190628K2_2

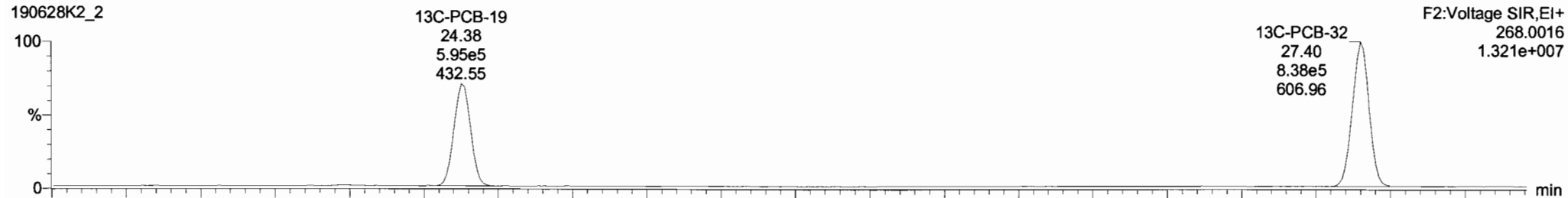


190628K2_2

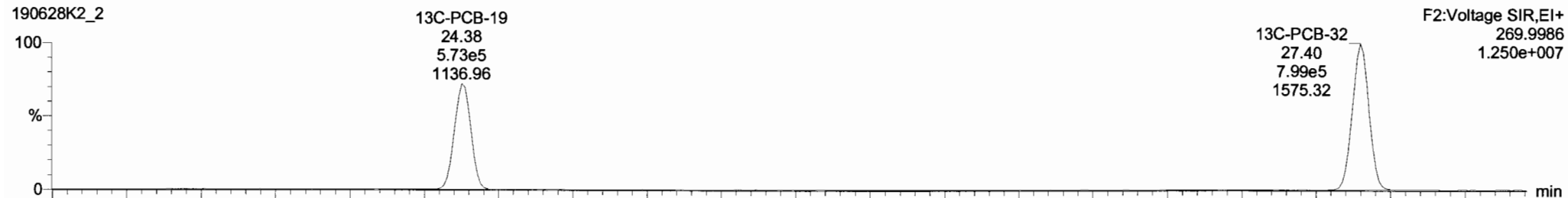


13C-PCB-19

190628K2_2



190628K2_2



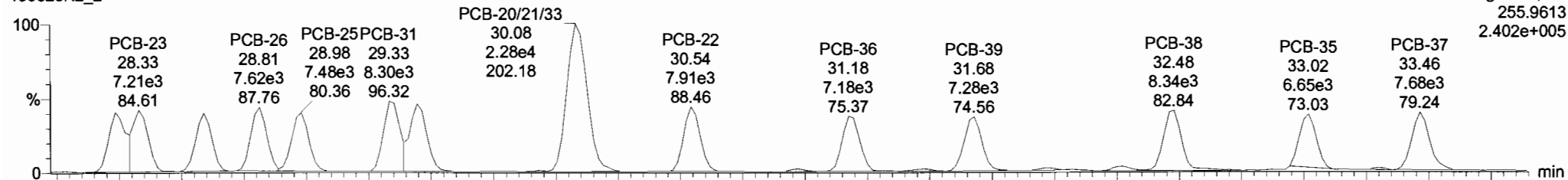
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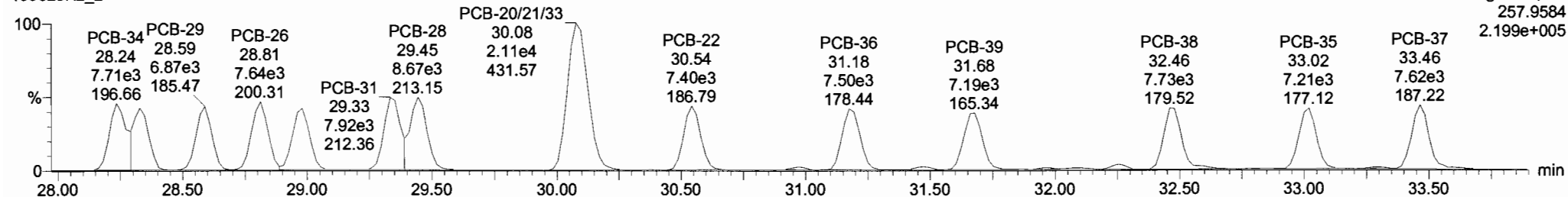
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PCB-34

190628K2_2

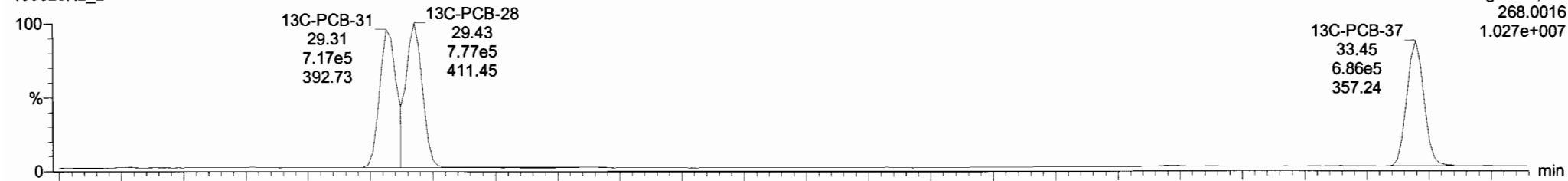


190628K2_2

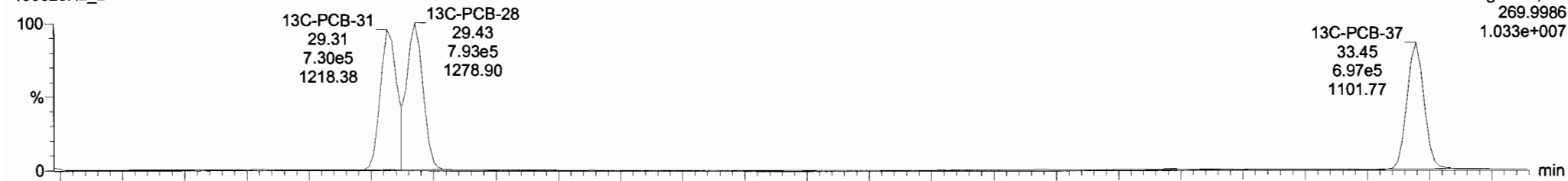


13C-PCB-28

190628K2_2



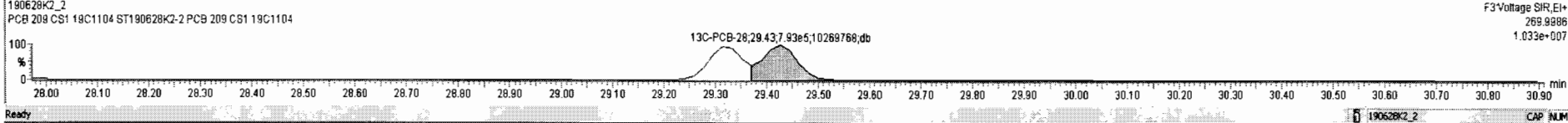
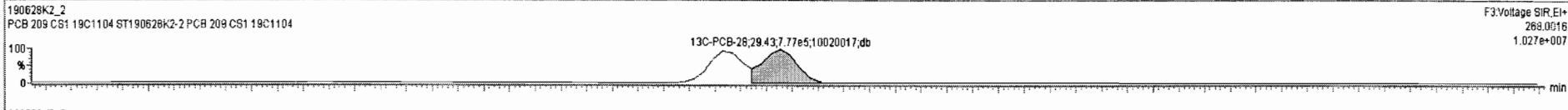
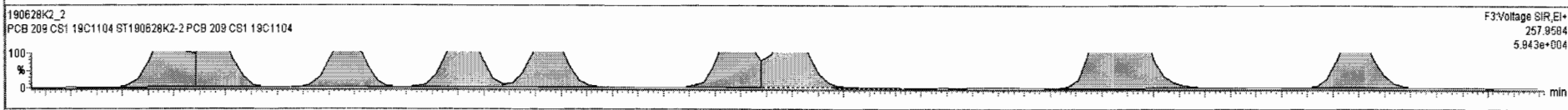
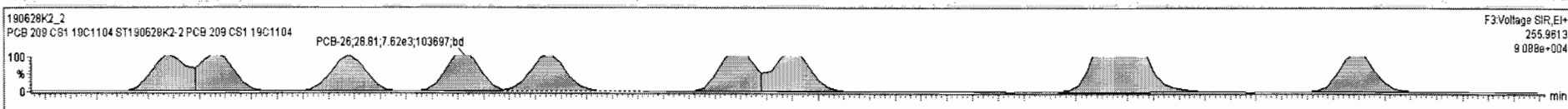
190628K2_2



190628K2_2 - ST190628K2-2 PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

#	Name	Resp	RA	nA	RRT	wtAval	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	217 13C-PCB-128	6.11e5	1.23	NO	1.0000	1.000	47.32	47.32	1.000	0.000	NO	100.0	100	0.0696	
218	218 13C-PCB-182	5.90e5	0.46	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0546	
219	219 13C-PCB-205	7.49e5	0.88	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0506	
220	220 13C-PCB-79	1.22e6	0.78	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	97.19	97.2	0.0754	
221	221 13C-PCB-178	5.37e5	0.46	NO	0.8746	1.000	46.59	46.59	0.968	0.968	NO	100.5	101	0.0616	
222	222 13C-PCB-79	1.22e6	0.78	NO	1.0454	1.000	38.48	38.47	0.968	0.968	NO	87.82	87.8	0.0773	
223	223 13C-PCB-178	5.37e5	0.46	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0625	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	2.888		0.0184	2.889
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	11.23		0.183	11.23
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	7.746		0.0647	7.745
227	227 3rd Function Tri-PCBs				1.0586	1.000	0.00		0.000		NO	15.09		0.234	15.09
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	40.04		1.06	40.03
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	39.34		0.435	39.34
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	4.729		0.0923	4.728
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	13.13		0.0580	13.13

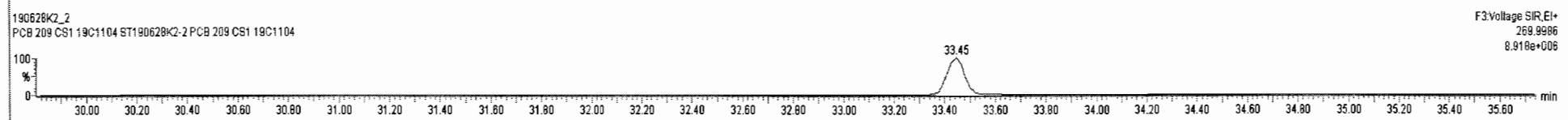
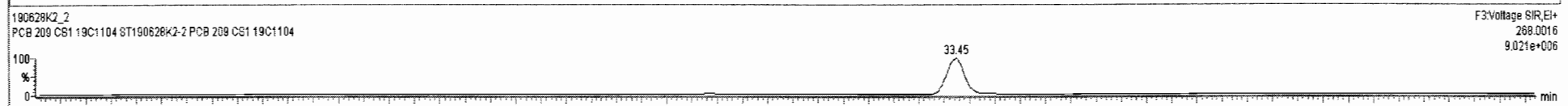
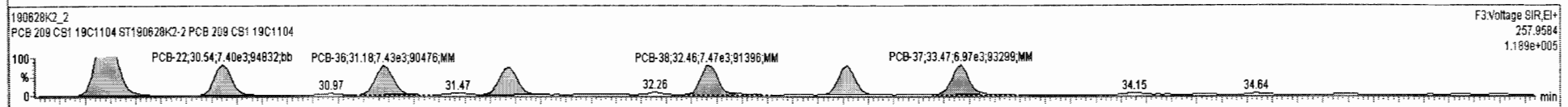
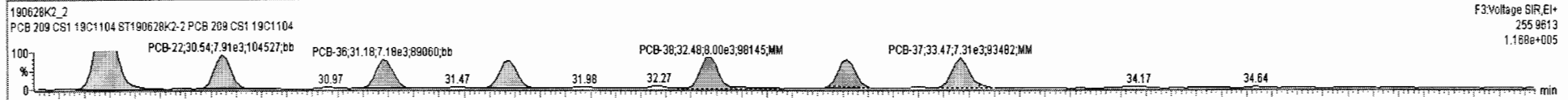
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nA	EMPC	Conc.
1	18 PCB-34	28.24	28.24	7.493e3	7.711e3	1.040	0.97	NO	0.98000	0.98085
2	19 PCB-23	28.33	28.33	7.212e3	6.573e3	1.040	1.10	NO	0.90100	0.90151
3	20 PCB-29	28.59	28.59	6.987e3	6.865e3	1.040	1.02	NO	0.92500	0.92550
4	21 PCB-26	28.81	28.81	7.620e3	7.639e3	1.040	1.00	NO	0.97100	0.97062
5	22 PCB-25	28.98	28.98	7.371e3	7.195e3	1.040	1.02	NO	0.94900	0.94876
6	23 PCB-31	29.33	29.33	8.286e3	7.915e3	1.040	1.05	NO	0.92000	0.91939
7	24 PCB-28	29.44	29.44	8.850e3	8.562e3	1.040	1.03	NO	1.0030	1.0029
8	25 PCB-20/21/33	30.07	30.08	2.279e4	2.110e4	1.040	1.08	NO	2.7860	2.7862
9	26 PCB-22	30.53	30.54	7.909e3	7.395e3	1.040	1.07	NO	0.94400	0.94373



190628K2_2 - ST190628K2-2.PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

#	Name	Resp	RA	nly	RFF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	13C-PCB-126	6.11e5	1.23	NO	1.0000	1.000	47.32	47.32	1.000	0.000	NO	100.0	100	0.0896	
218	13C-PCB-182	5.90e5	0.46	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0546	
219	13C-PCB-205	7.49e5	0.89	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0506	
220	13C-PCB-79	1.22e6	0.78	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	97.19	97.2	0.0754	
221	13C-PCB-178	5.37e5	0.46	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	100.5	101	0.0616	
222	13C-PCB-79	1.22e6	0.78	NO	1.0454	1.000	38.48	38.47	0.988	0.988	NO	97.92	97.9	0.0773	
223	13C-PCB-178	5.37e5	0.46	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0625	
224	Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000	0.000	NO	2.888		0.0164	2.889
225	Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000	0.000	NO	11.23		0.183	11.23
226	2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000	0.000	NO	7.746		0.0647	7.745
227	3rd Function Tri-PCBs				1.0566	1.000	0.00	0.00	0.000	0.000	NO	15.69		0.234	15.68
228	Total Tetra-PCBs				0.9661	1.000	0.00	0.00	0.000	0.000	NO	40.04		1.06	40.03
229	3rd Function Penta-PCBs				1.1154	1.000	0.00	0.00	0.000	0.000	NO	39.34		0.435	39.34
230	4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000	0.000	NO	4.729		0.0923	4.728
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000	0.000	NO	13.13		0.0560	13.13

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	18 PCB-34	28.24	28.24	7.493e3	7.711e3	1.040	0.97	NO	0.98000	0.98085
2	19 PCB-23	28.33	28.33	7.212e3	6.573e3	1.040	1.10	NO	0.90100	0.90151
3	20 PCB-26	28.58	28.58	6.987e3	6.866e3	1.040	1.02	NO	0.92500	0.92550
4	21 PCB-26	28.81	28.81	7.620e3	7.636e3	1.040	1.00	NO	0.97100	0.97082
5	22 PCB-25	28.98	28.98	7.371e3	7.195e3	1.040	1.02	NO	0.94900	0.94876
6	23 PCB-31	29.33	29.33	8.296e3	7.915e3	1.040	1.05	NO	0.92000	0.91939
7	24 PCB-28	29.44	29.44	8.850e3	8.562e3	1.040	1.03	NO	1.0030	1.0029
8	25 PCB-20/21/33	30.07	30.08	2.279e4	2.110e4	1.040	1.08	NO	2.7860	2.7862
9	26 PCB-22	30.53	30.54	7.909e3	7.395e3	1.040	1.07	NO	0.94400	0.94373



Vista Analytical Laboratory VG-11

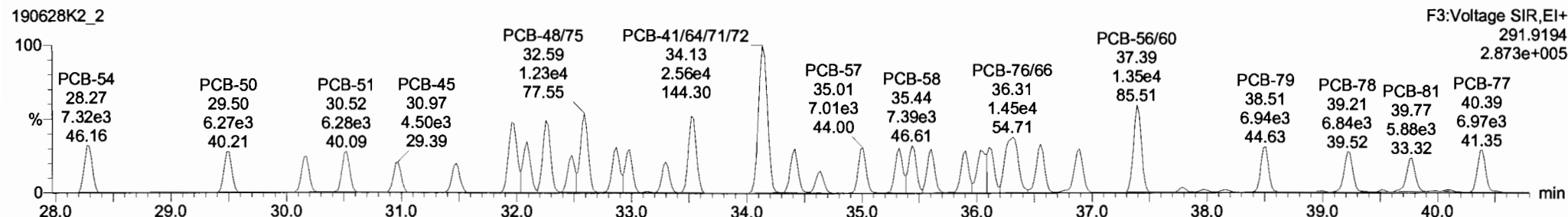
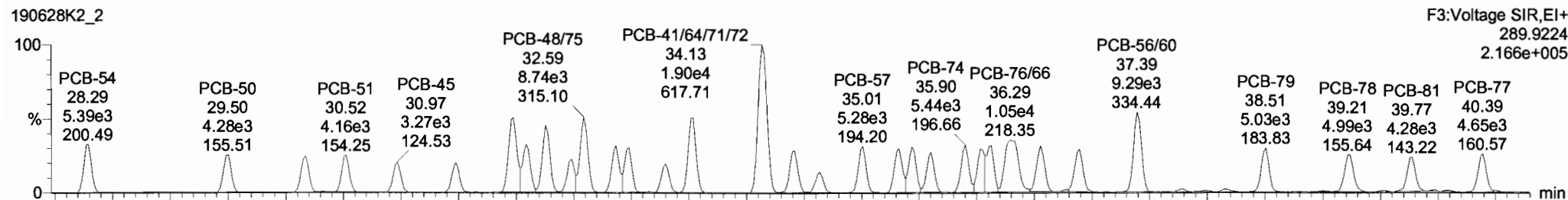
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Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

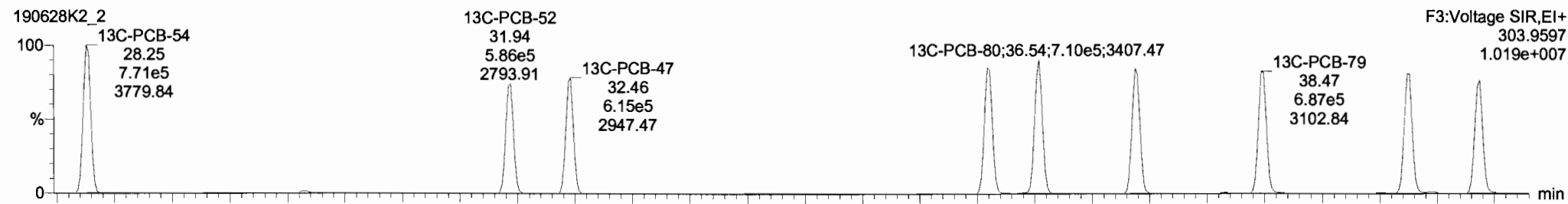
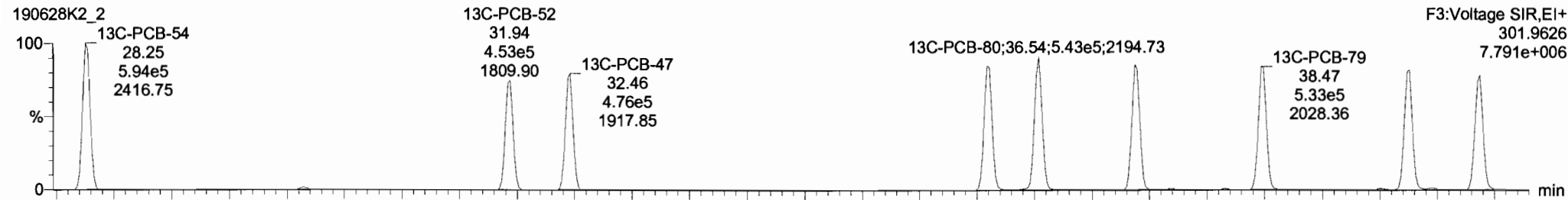
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-54



13C-PCB-54

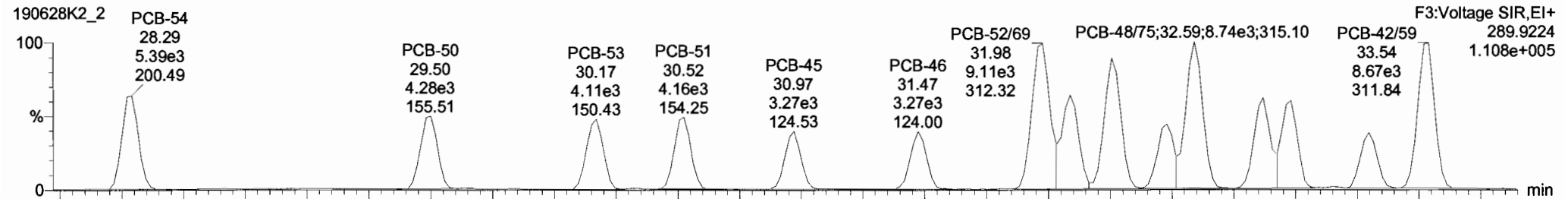


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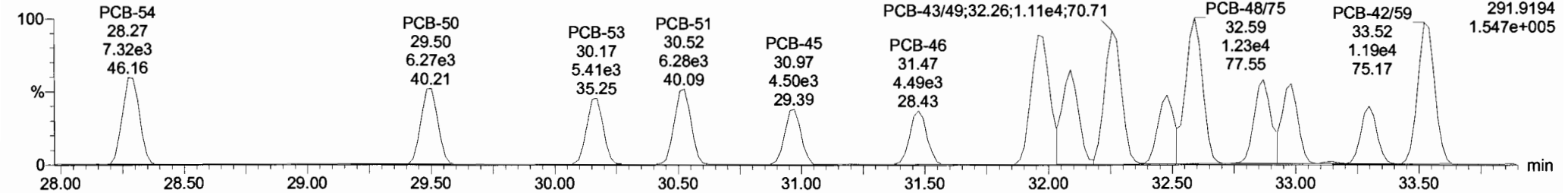
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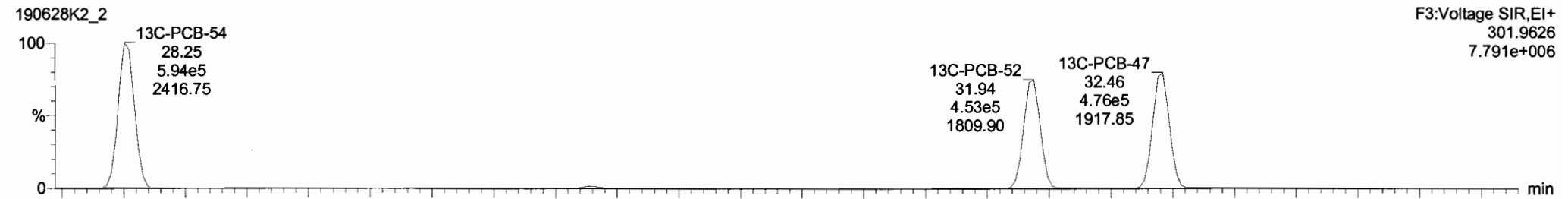
PCB-50



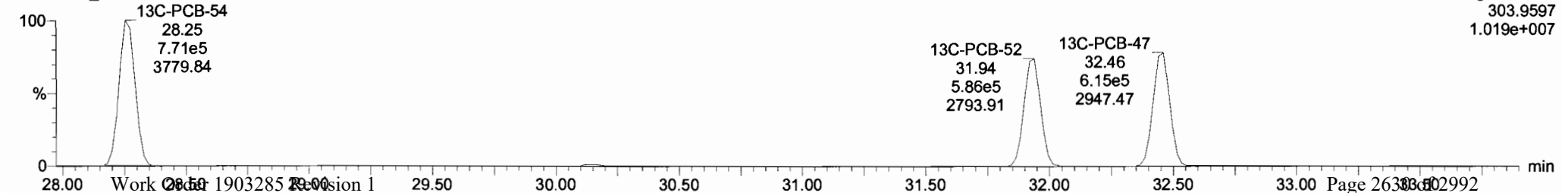
190628K2_2



13C-PCB-52



190628K2_2



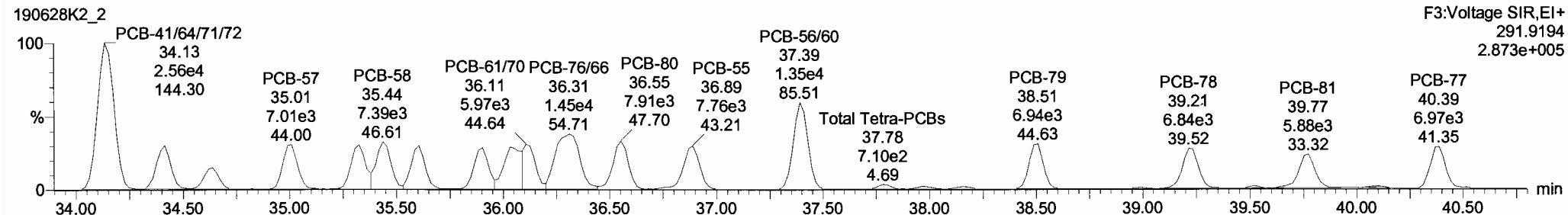
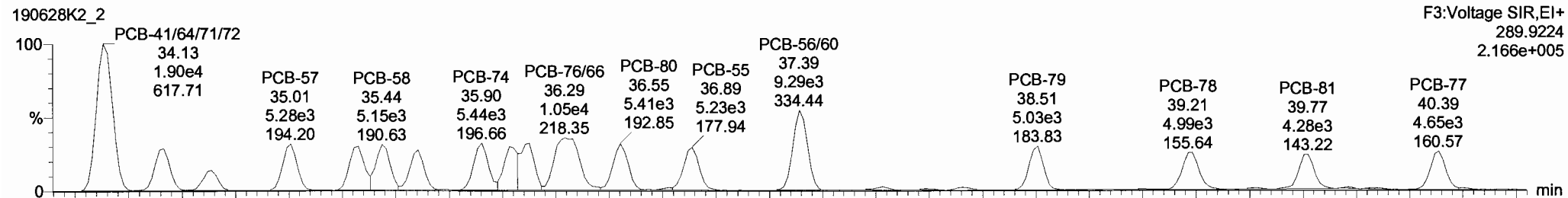
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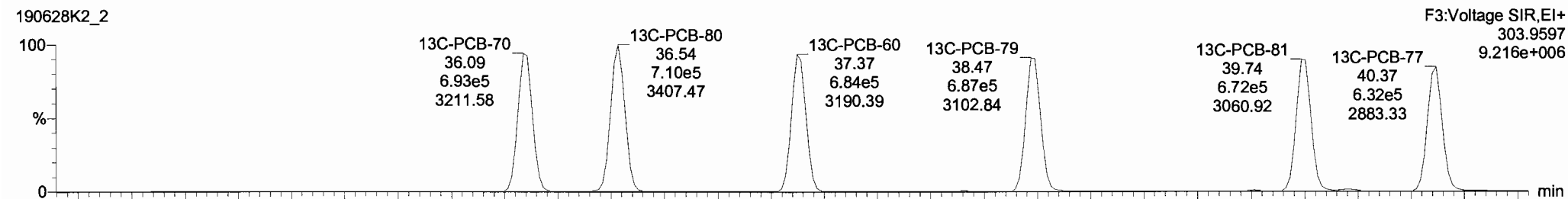
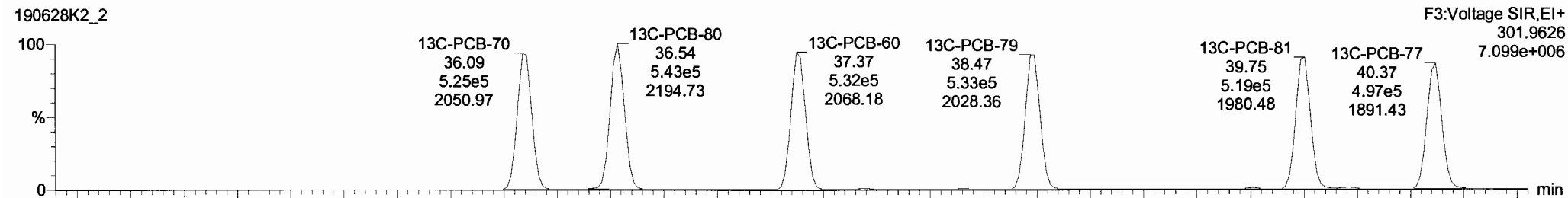
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Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-68



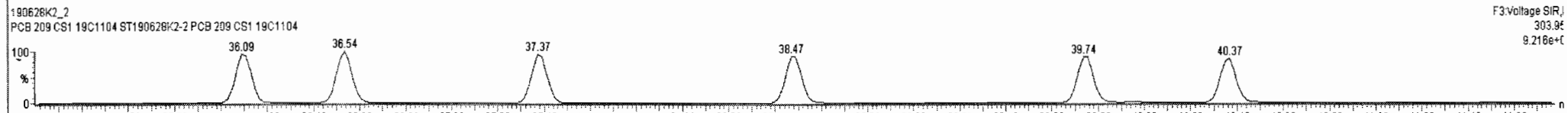
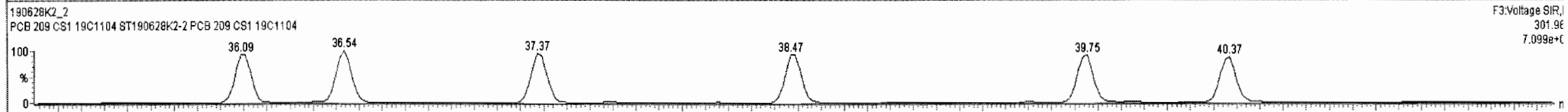
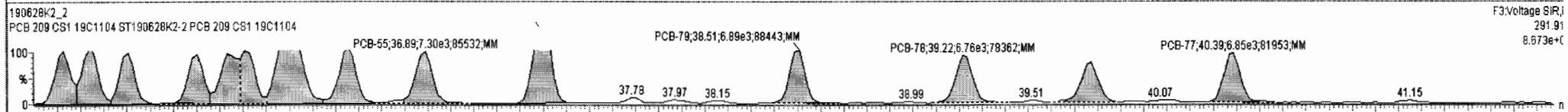
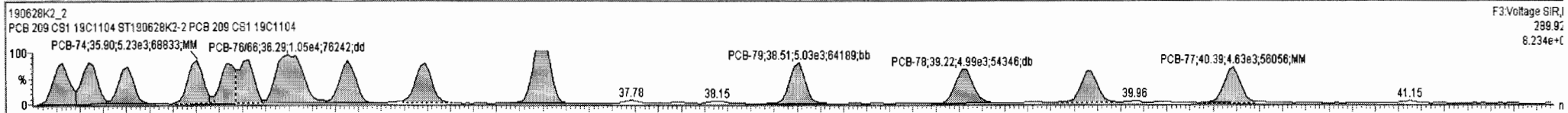
13C-PCB-60



190628K2_2 - ST190628K2-2 PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

#	Name	Resp	RA	n/y	RfF	wtAvd	Pred.RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
217	217 13C-PCB-128	6.11e5	1.23	NO	1.0000	1.000	47.32	47.32	1.000	0.000	NO	100.0	100	0.0896	
218	218 13C-PCB-162	5.90e5	0.46	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0546	
219	219 13C-PCB-205	7.49e5	0.89	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0506	
220	220 13C-PCB-79	1.22e6	0.78	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	97.19	97.2	0.0754	
221	221 13C-PCB-178	5.37e5	0.48	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	100.5	101	0.0616	
222	222 13C-PCB-79	1.22e6	0.78	NO	1.0454	1.000	38.48	38.47	0.968	0.968	NO	97.92	97.9	0.0773	
223	223 13C-PCB-178	5.37e5	0.48	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0625	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	2.888		0.0184	2.889
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	11.23		0.183	11.23
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	7.746		0.0647	7.745
227	227 3rd Function Tri-PCBs				1.0586	1.000	0.00	0.000			NO	15.09		0.234	15.09
228	228 Total Tetra-PCBs				0.9661	1.000	0.00	0.000			NO	40.04		1.06	40.03
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	39.34		0.435	39.34

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	32 PCB-54	28.27	28.29	5.394e3	7.318e3	0.770	0.74	NO	0.93600	0.93570
2	33 PCB-50	29.49	29.50	4.278e3	6.268e3	0.770	0.68	NO	0.99000	0.98938
3	34 PCB-53	30.18	30.17	4.108e3	5.414e3	0.770	0.76	NO	0.95900	0.95934
4	35 PCB-51	30.53	30.52	4.155e3	6.282e3	0.770	0.66	NO	0.98100	0.98112
5	36 PCB-45	30.97	30.97	3.269e3	4.501e3	0.770	0.73	NO	0.92600	0.92527
6	37 PCB-46	31.47	31.47	3.272e3	4.487e3	0.770	0.73	NO	0.99000	0.99071
7	38 PCB-52/69	31.98	31.98	9.107e3	1.179e4	0.770	0.77	NO	1.8410	1.8413



Vista Analytical Laboratory VG-11

Dataset: Untitled

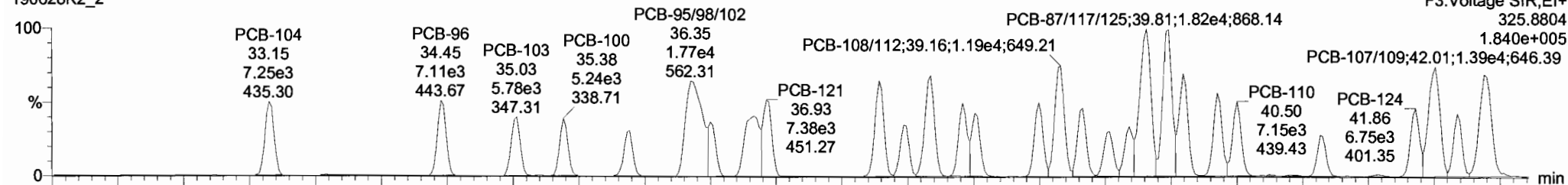
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

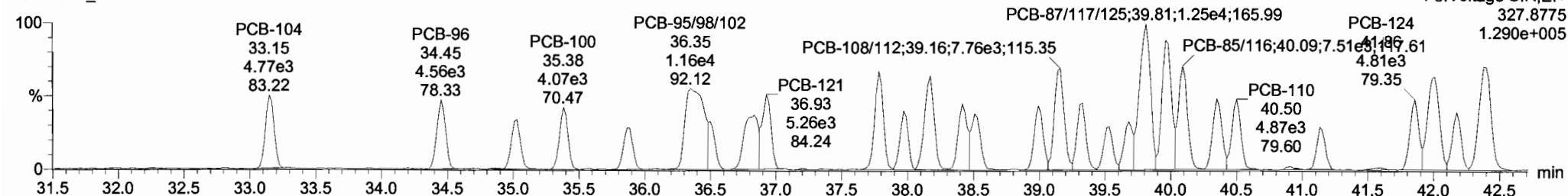
Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-104

190628K2_2

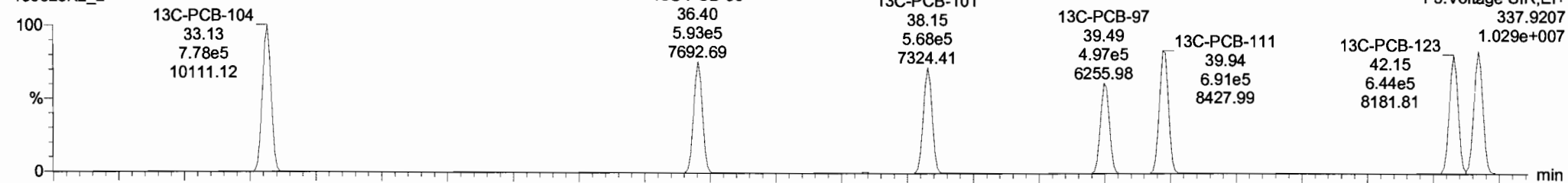


190628K2_2

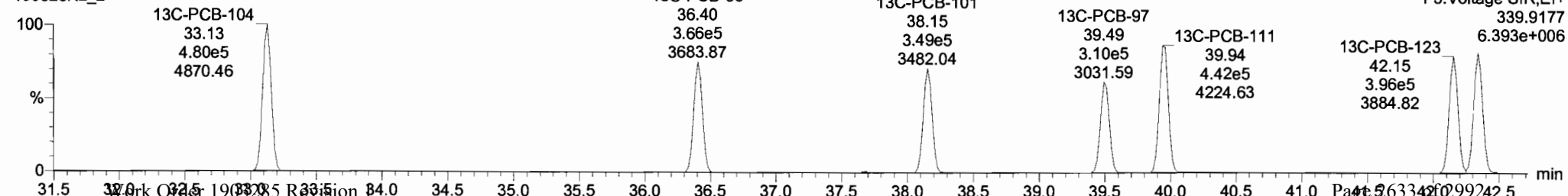


13C-PCB-104

190628K2_2



190628K2_2



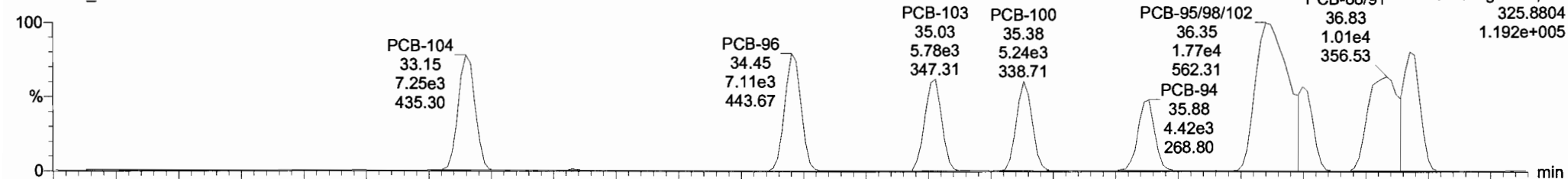
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

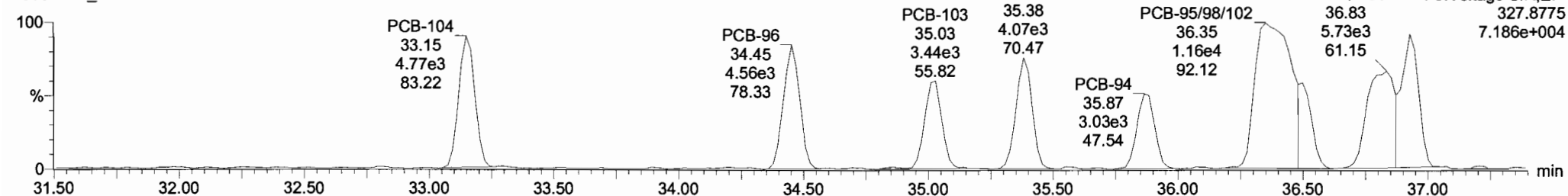
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PCB-96

190628K2_2

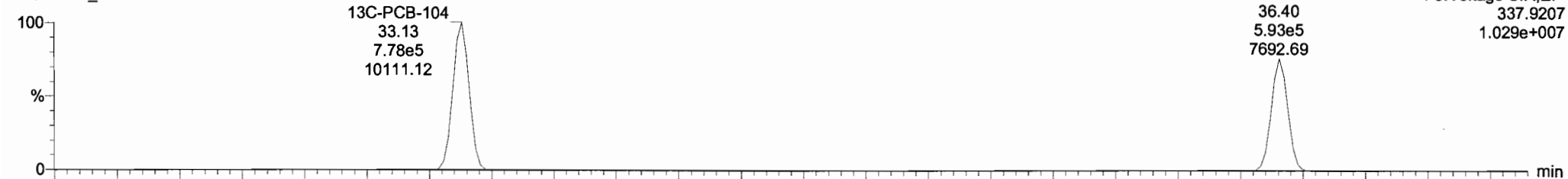


190628K2_2

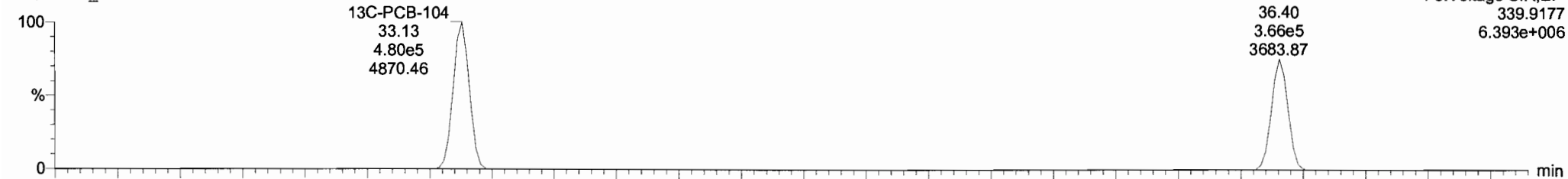


13C-PCB-95

190628K2_2

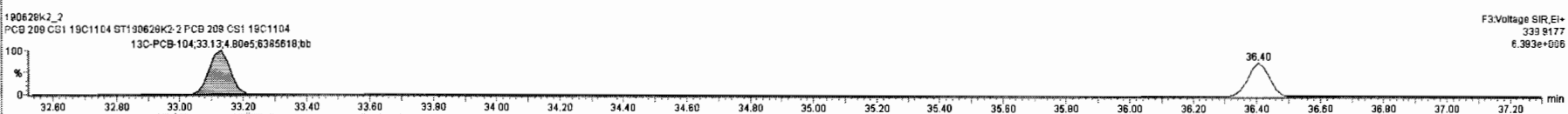
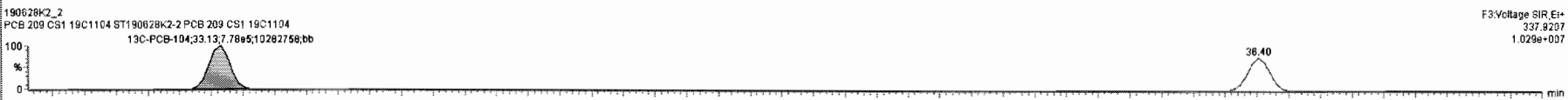
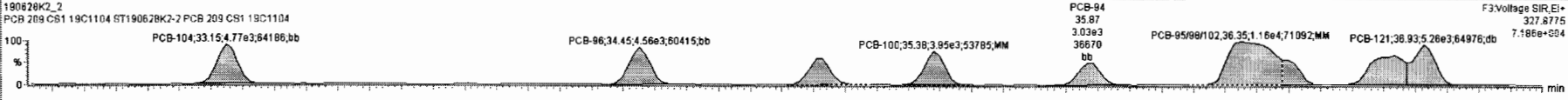
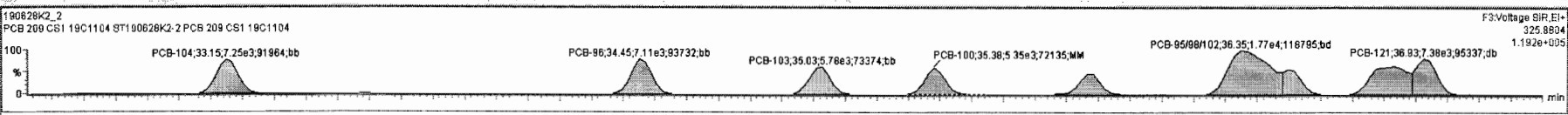


190628K2_2



#	Name	Resp	RA	n/y	Ref	WAVG	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	13C-PCB-128	6.11e5	1.23	NO	1.0000	1.000	47.32	47.32	1.000	0.000	NO	100.0	100	0.0896	
218	13C-PCB-182	5.90e5	0.46	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0546	
219	13C-PCB-205	7.49e5	0.89	NO	1.0000	1.000	55.80	55.80	1.000	0.000	NO	100.0	100	0.0506	
220	13C-PCB-79	1.22e6	0.78	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	97.19	97.2	0.0754	
221	13C-PCB-178	5.37e5	0.46	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	100.5	101	0.0816	
222	13C-PCB-79	1.22e6	0.78	NO	1.0454	1.000	38.48	38.47	0.968	0.968	NO	97.92	97.9	0.0773	
223	13C-PCB-178	5.37e5	0.46	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0825	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	2.888		0.0184	2.888
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	11.23		0.183	11.23
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	7.746		0.0647	7.745
227	3rd Function Tri-PCBs				1.0566	1.000	0.00		0.000		NO	15.09		0.234	15.09
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	40.04		1.06	40.03
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	39.34		0.435	39.34

#	Name	Pred RT	RT	Int Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	84 PCB-104	33.15	33.15	7.249e3	4.773e3	1.580	1.52	NO	0.96000	0.96035
2	65 PCB-96	34.47	34.45	7.109e3	4.563e3	1.580	1.56	NO	0.93100	0.93133
3	66 PCB-103	35.03	35.03	5.782e3	3.424e3	1.580	1.89	NO	0.94400	0.94463
4	67 PCB-100	35.40	35.38	5.346e3	3.952e3	1.580	1.35	NO	0.95000	0.95000
5	68 PCB-94	35.89	35.88	4.421e3	3.029e3	1.580	1.46	NO	1.00500	1.0045
6	69 PCB-95/98/102	36.38	36.35	1.789e4	1.162e4	1.580	1.52	NO	3.0120	3.0118
7	70 PCB-93	36.51	36.50	4.312e3	2.512e3	1.580	1.72	NO	0.84700	0.84628

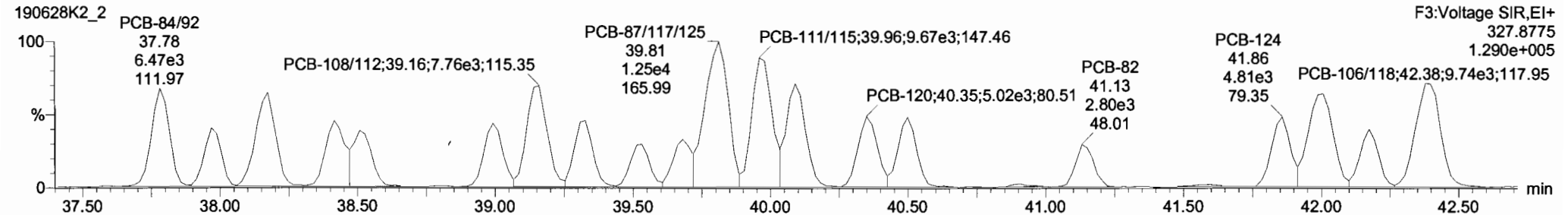
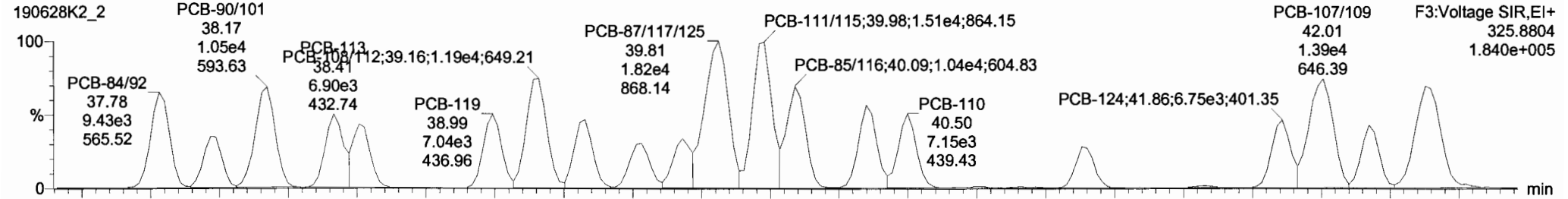


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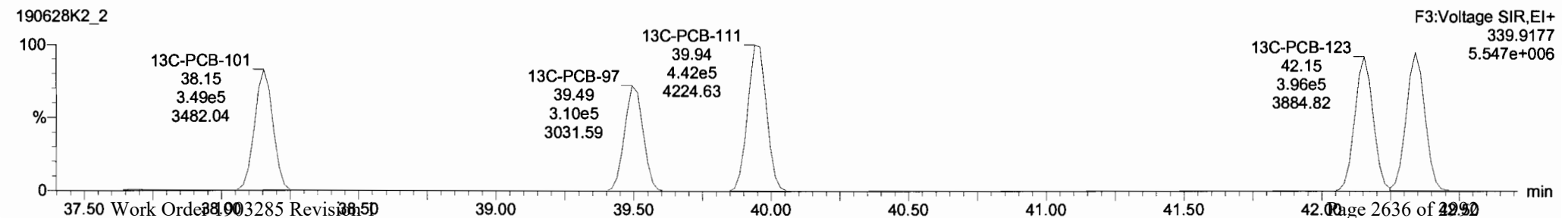
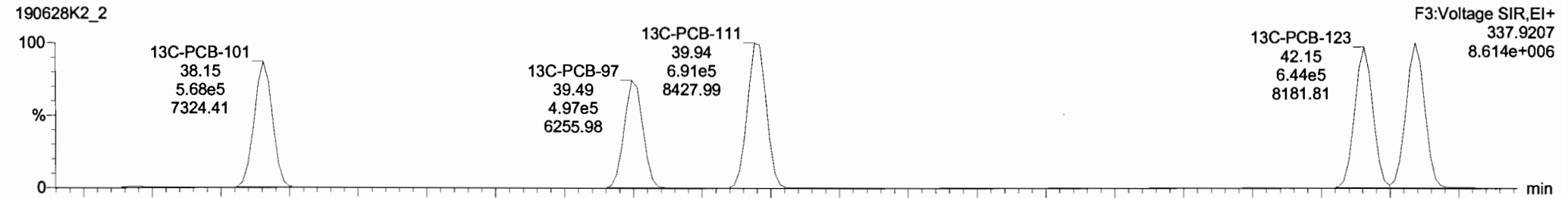
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-119



13C-PCB-111



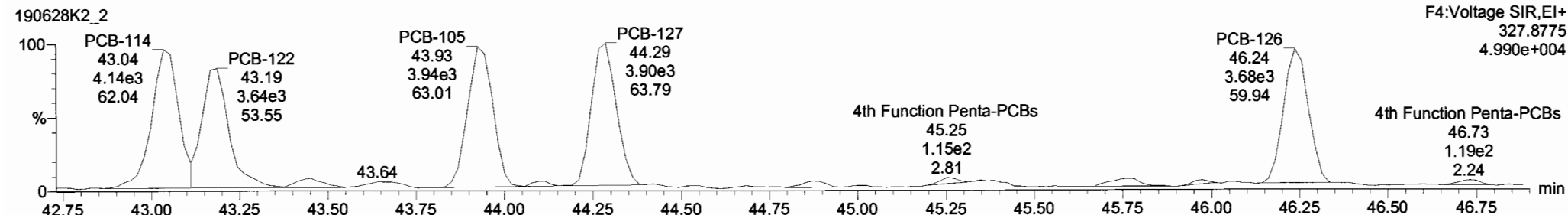
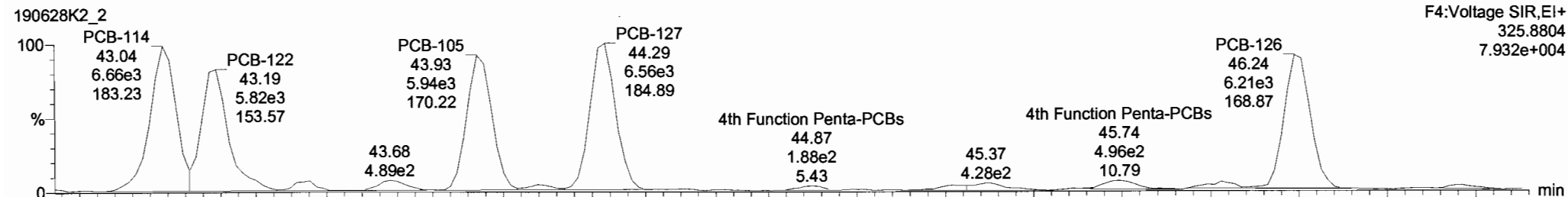
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Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

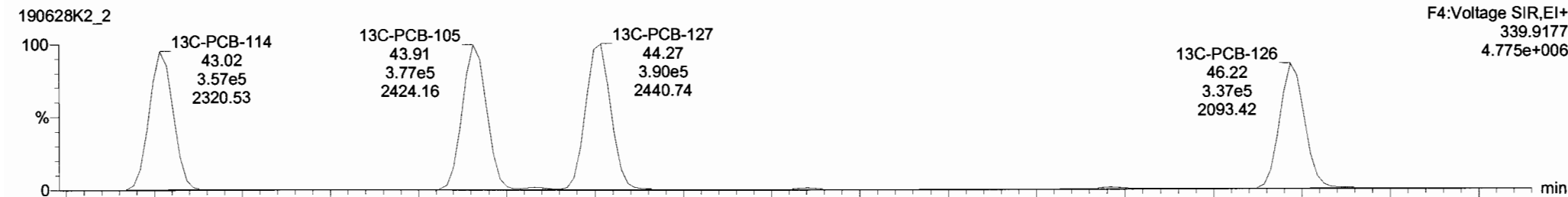
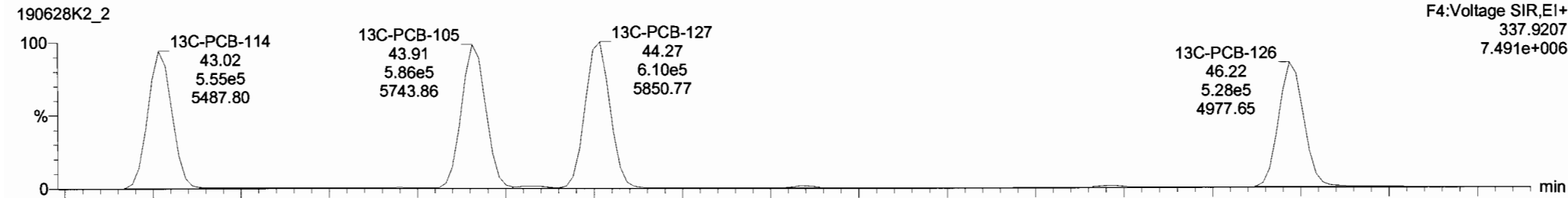
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Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-114



13C-PCB-114

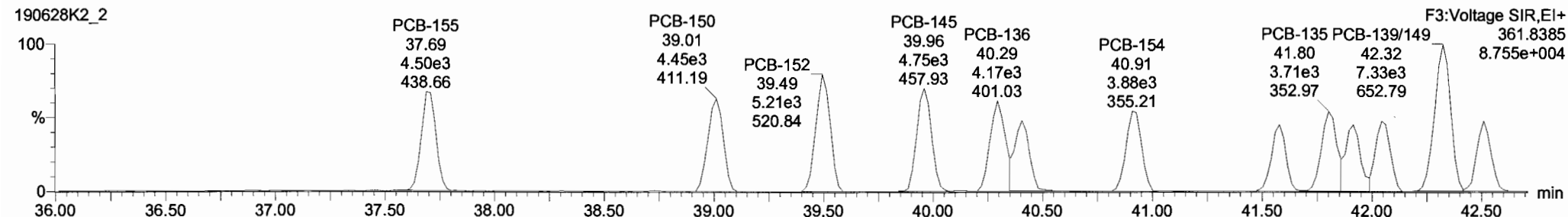
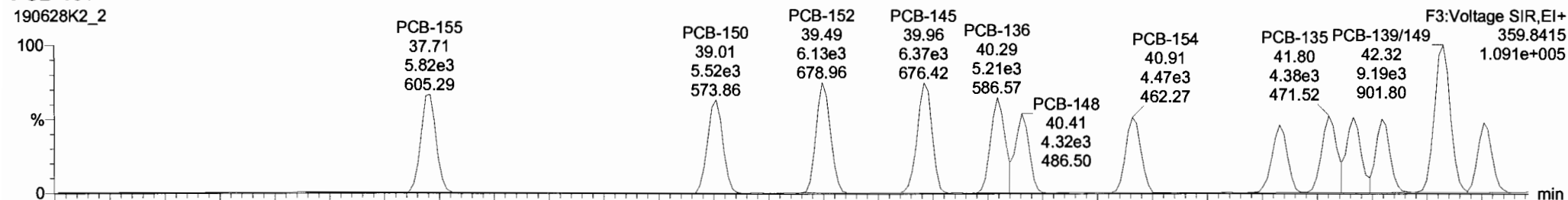


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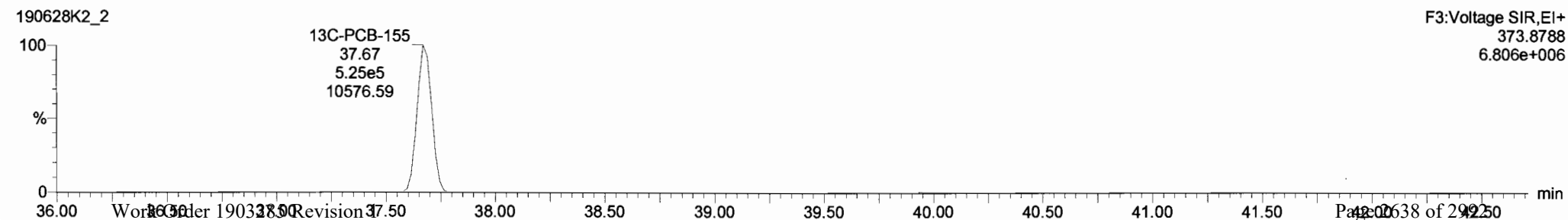
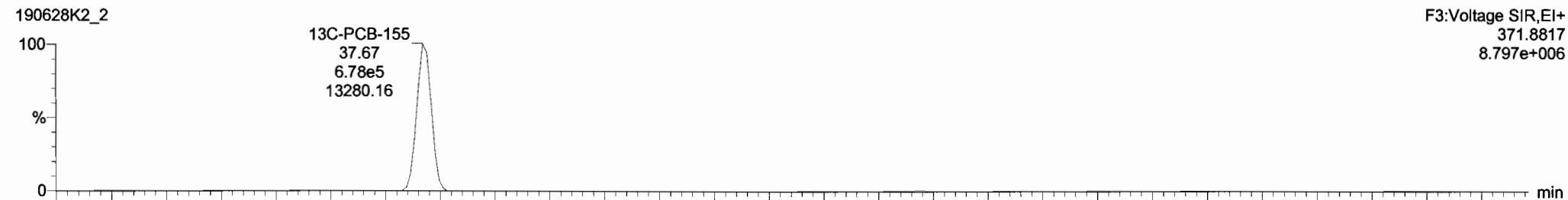
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Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-155

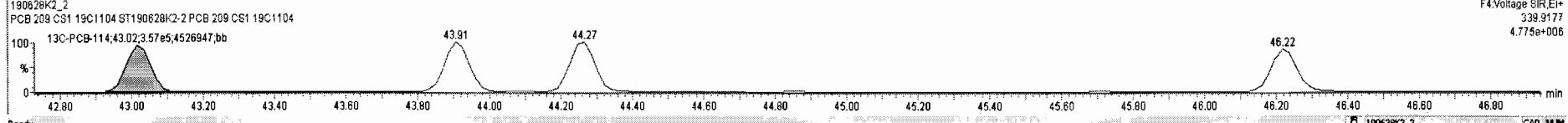
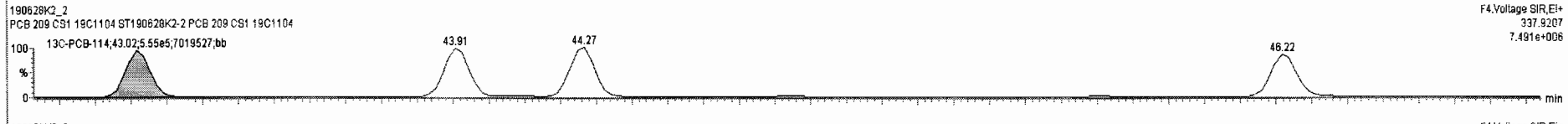
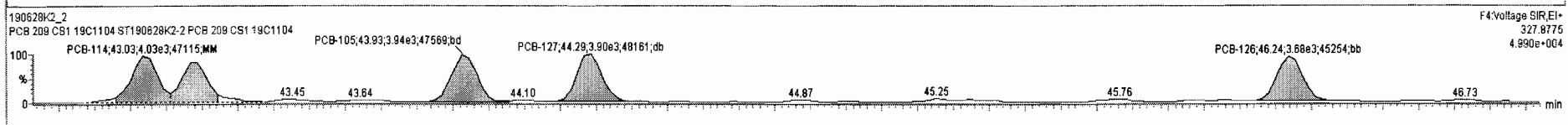
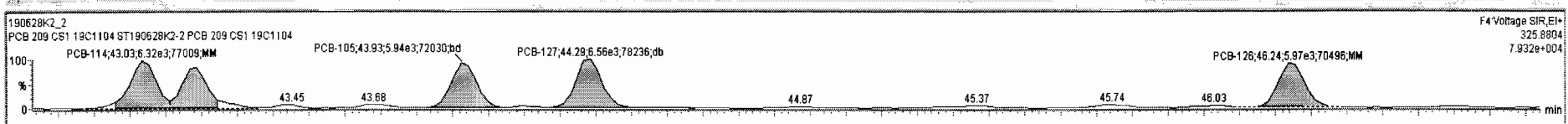


13C-PCB-155



#	Name	Resp	RA	Inj	RRF	wtAvt	Pred.RT	RT	Pred.R	RRT	RRT Fw	Conc.	%Rec	DL	EMPC
217	217 13C-PCB-126	6.11e5	1.23	NO	1.0000	1.000	47.32	47.32	1.000	0.000	NO	100.0	100	0.0896	
218	218 13C-PCB-162	5.90e5	0.46	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0546	
219	219 13C-PCB-205	7.49e5	0.89	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0506	
220	220 13C-PCB-79	1.22e6	0.78	NO	1.0320	1.000	38.47	38.47	1.029	1.029	NO	97.19	97.2	0.0754	
221	221 13C-PCB-178	5.37e5	0.46	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	100.5	101	0.0616	
222	222 13C-PCB-79	1.22e6	0.78	NO	1.0454	1.000	38.46	38.47	0.988	0.988	NO	97.92	97.9	0.0773	
223	223 13C-PCB-178	5.37e5	0.46	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0625	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	2.888		0.0184	2.889
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	11.23		0.183	11.23
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	7.746		0.0647	7.745
227	227 3rd Function Tri-PCBs				1.0588	1.000	0.00		0.000		NO	15.08		0.234	15.08
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	40.04		1.06	40.03
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	38.34		0.435	38.34

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1° Ratio (Pred)	RA	Inj	EMPC	Conc.
1	83 PCB-114	43.04	43.03	6.317e3	4.033e3	1.560	1.57	NO	0.97700	0.97702
2	94 PCB-122	43.17	43.19	5.113e3	3.358e3	1.560	1.52	NO	0.95500	0.95505
3	95 PCB-105	43.92	43.93	5.940e3	3.943e3	1.550	1.51	NO	0.93200	0.93241
4	96 PCB-127	44.26	44.29	6.559e3	3.900e3	1.560	1.68	NO	0.94300	0.94322
5	97 PCB-126	46.24	46.24	5.965e3	3.685e3	1.560	1.62	NO	0.92100	0.92097

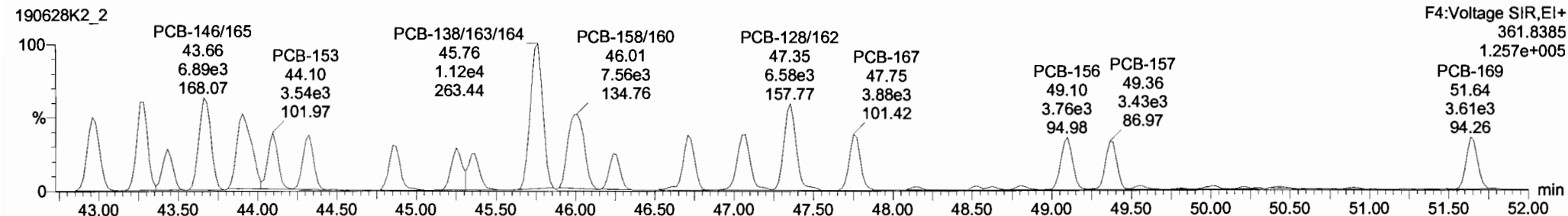
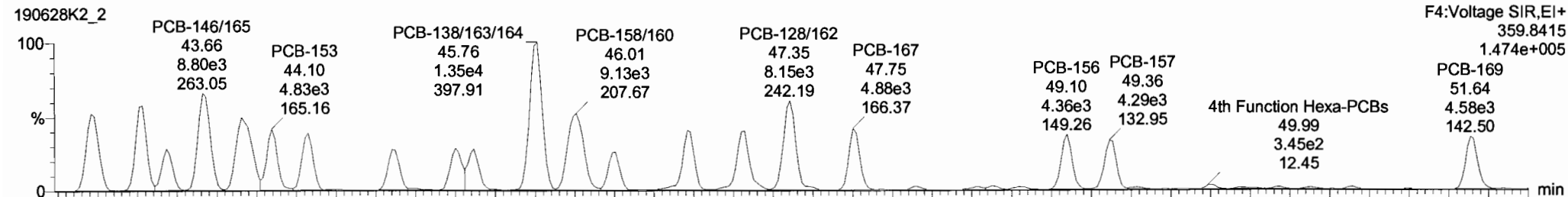


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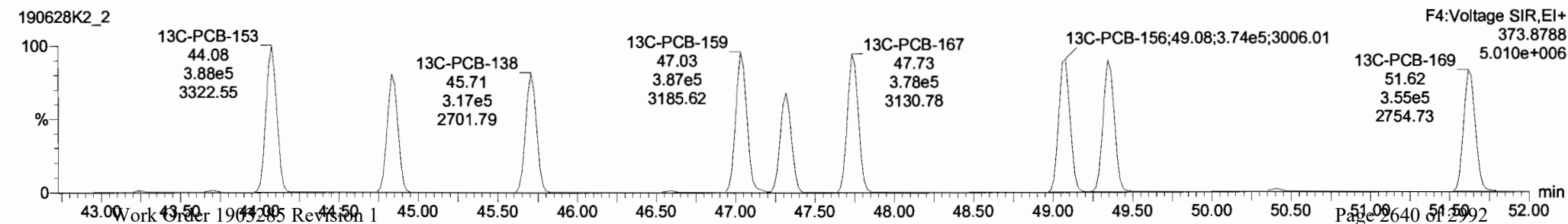
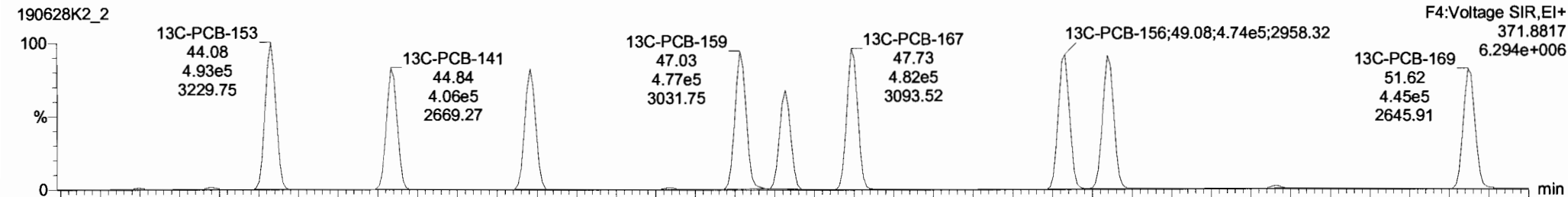
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-134/143

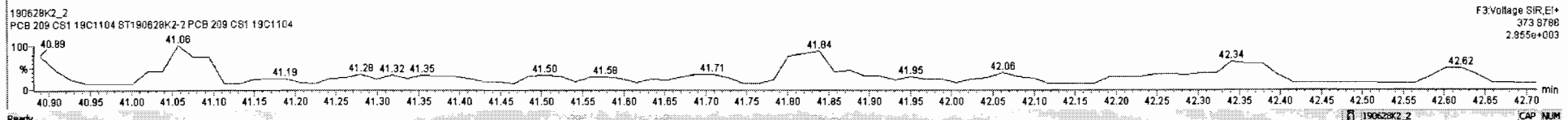
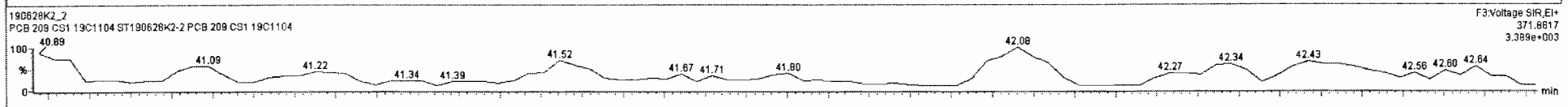
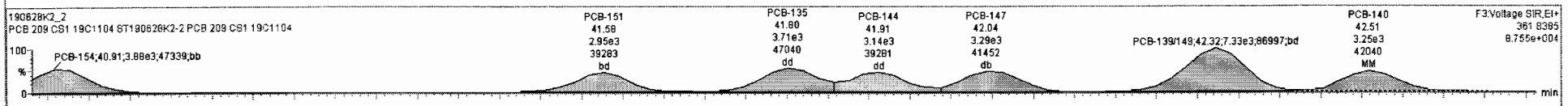
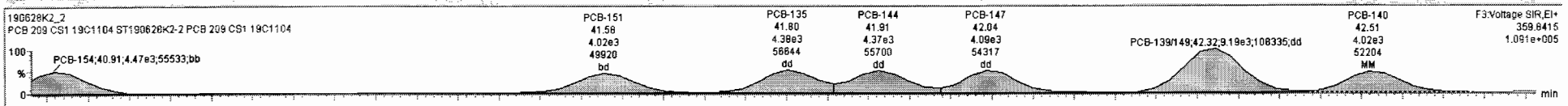


13C-PCB-153



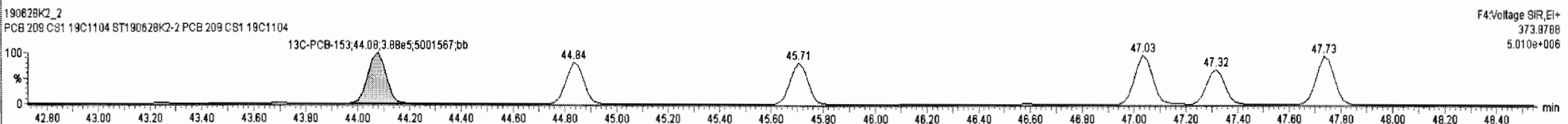
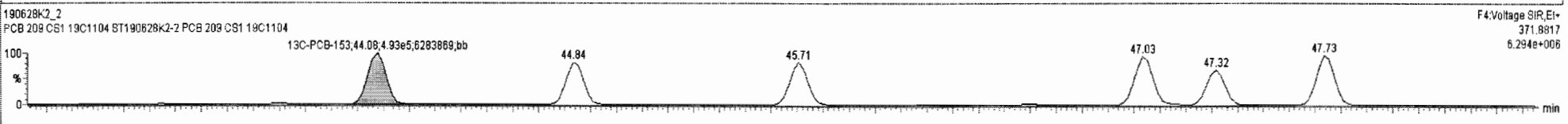
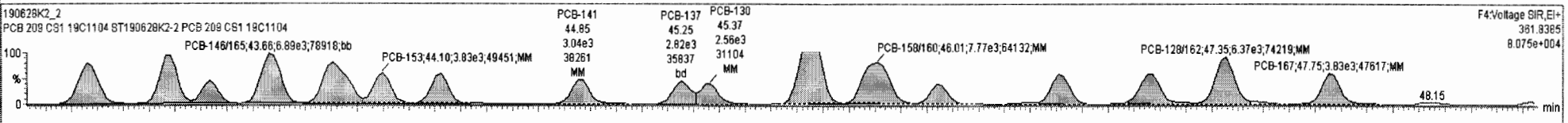
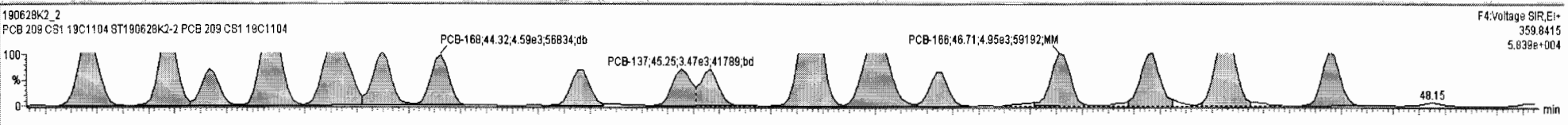
#	Name	Resp	RA	n/y	RRF	WtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	13.13		0.0560	13.43
232	232 4th Function Hexa-PCBs				0.9712	1.000	0.00		0.000		NO	26.41		0.343	26.41
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	23.33		0.252	23.33
234	234 4th Function Octa-PCBs				0.8663	1.000	0.00		0.000		NO	8.388		0.0624	8.388
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	2.798		0.0428	2.798
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	2.913		0.0171	2.913
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	1.017		0.00426	1.017
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														
243	243 Tetra-Isotopes				0.9849	1.000	0.00		1.000		NO	895.3		0.715	0.0000

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	98 PCB-155	37.68	37.71	5.821e3	4.501e3	1.240	1.29	NO	0.98200	0.98172
2	99 PCB-150	38.99	39.01	5.516e3	4.445e3	1.240	1.24	NO	0.94000	0.93990
3	100 PCB-152	39.48	39.49	6.130e3	5.211e3	1.240	1.18	NO	0.93800	0.93826
4	101 PCB-145	39.85	39.86	6.375e3	4.752e3	1.240	1.34	NO	0.92500	0.92490
5	102 PCB-136	40.28	40.29	5.210e3	4.167e3	1.240	1.25	NO	0.92400	0.92407
6	103 PCB-148	40.38	40.41	4.316e3	3.323e3	1.240	1.30	NO	0.91600	0.91559
7	104 PCB-154	40.90	40.91	4.466e3	3.880e3	1.240	1.15	NO	0.95900	0.95798



#	Name	Resp	RA	n/y	RFF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec.	DL	EMPC
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000	0.000		NO	13.13		0.0560	13.13
232	4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000	0.000		NO	26.50		0.343	26.50
233	Total Hepta-PCBs				1.2636	1.000	0.00	0.000	0.000		NO	23.33		0.252	23.33
234	4th Function Octa-PCBs				0.8863	1.000	0.00	0.000	0.000		NO	8.388		0.0624	8.388
235	5th Function Octa-PCBs				1.1967	1.000	0.00	0.000	0.000		NO	2.796		0.0428	2.796
236	Total Nona-PCBs				0.9446	1.000	0.00	0.000	0.000		NO	2.913		0.0171	2.913
237	Deca-CB				0.9426	1.000	0.00	0.000	0.000		NO	1.017		0.00426	1.017
238	Total PCBs														
239	Total Mono-isotopes														
240	Total Di-isotopes														
241	2nd Function Tri-isotopes														
242	3rd Function Tri-isotopes														
243	Tetra-isotopes				0.9849	1.000	0.00	1.000	0.000		NO	895.3		0.715	0.0000

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1*Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.96	42.96	7.044e3	5.544e3	1.240	1.25	NO	1.9635	1.9635
2	112 PCB-131/133	43.26	43.26	6.844e3	6.059e3	1.240	1.13	NO	1.8532	1.8532
3	113 PCB-142	43.45	43.43	3.266e3	2.618e3	1.240	1.25	NO	0.94301	0.94301
4	114 PCB-146/165	43.66	43.66	8.798e3	6.891e3	1.240	1.28	NO	1.8557	1.8557
5	115 PCB-132/151	43.91	43.91	8.409e3	7.294e3	1.240	1.15	NO	1.8289	1.8289
6	116 PCB-153	44.09	44.10	4.830e3	3.839e3	1.240	1.26	NO	0.97162	0.97162
7	117 PCB-168	44.30	44.32	4.588e3	3.839e3	1.240	1.19	NO	0.93794	0.93794

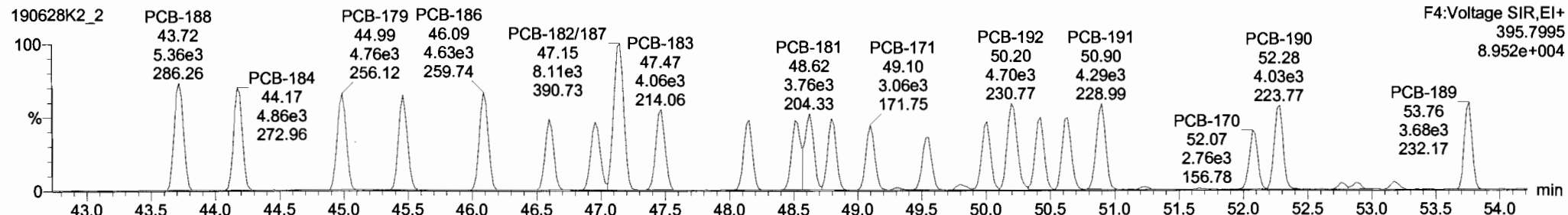
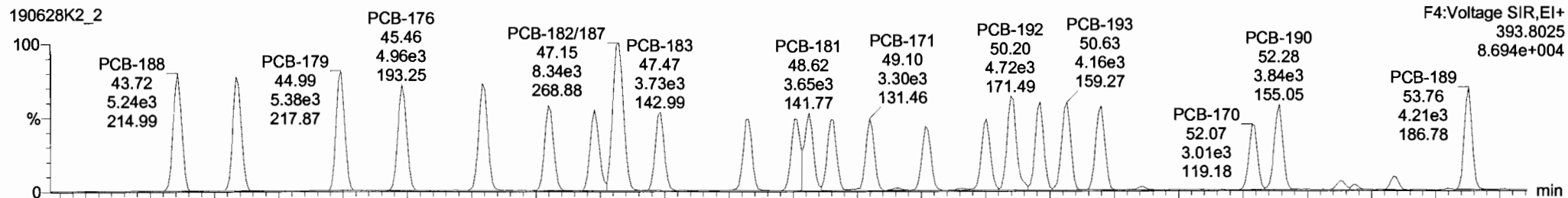


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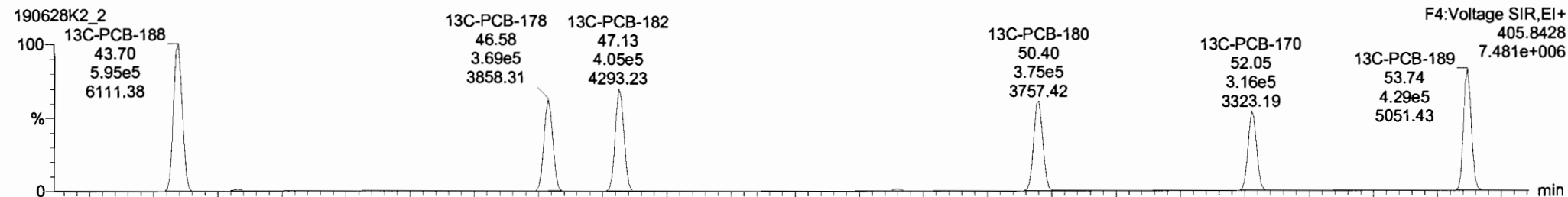
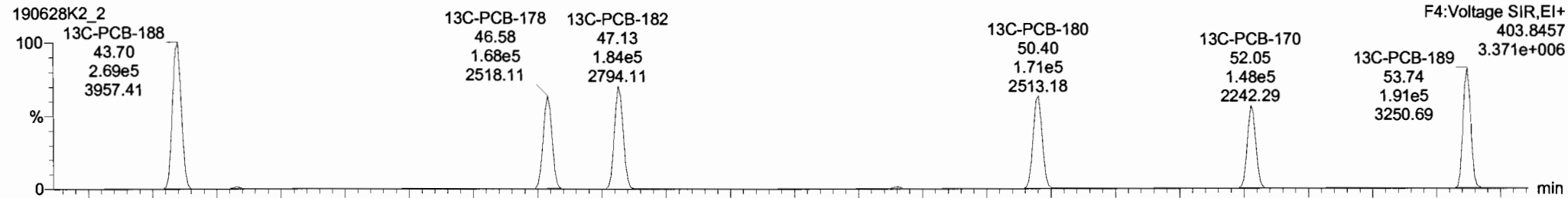
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Name: 190628K2_2, Date: 28-Jun-2019, Time: 17:34:41, ID: ST190628K2-2 PCB 209 CS1 19C1104, Description: PCB 209 CS1 19C1104

PCB-188



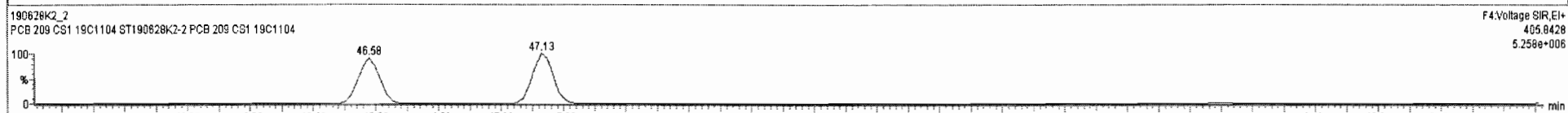
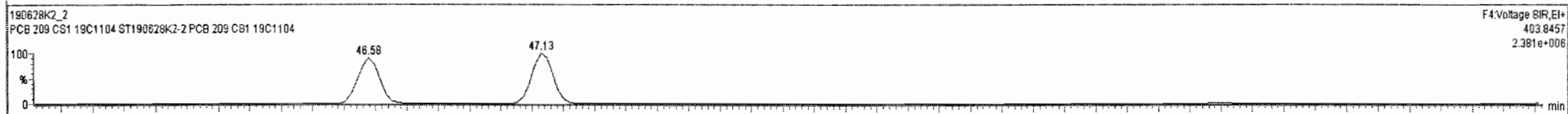
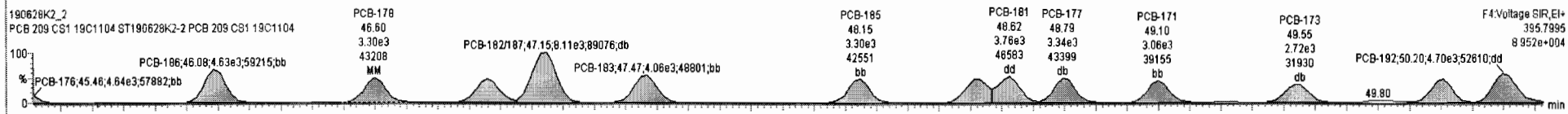
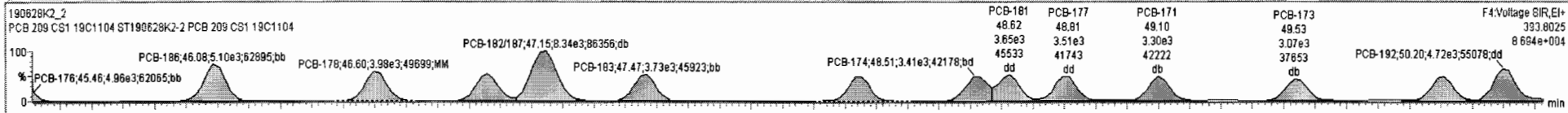
13C-PCB-188



190628K2_2 - ST190628K2-2 PCB 209 CS1 19C1104 - PCB 209 CS1 19C1104

#	Name	Resp	RA	nly	RFF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	13.13		0.0560	13.13
232	4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	26.50		0.343	26.50
233	Total Hexa-PCBs				1.2636	1.000	0.00		0.000		NO	23.33		0.252	23.33
234	4th Function Octa-PCBs				0.8963	1.000	0.00		0.000		NO	8.368		0.0624	8.368
235	5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	2.798		0.0428	2.798
236	Total Octa-PCBs				0.9446	1.000	0.00		0.000		NO	2.913		0.0171	2.913
237	Deca-CB				0.9426	1.000	0.00		0.000		NO	1.017		0.00426	1.017
238	Total PCBs														
239	Total Mono-Isotopes														
240	Total Di-Isotopes														
241	2nd Function Tri-Isotopes														
242	3rd Function Tri-Isotopes														
243	Tetra-Isotopes				0.9649	1.000	0.00		1.000		NO	895.3		0.715	0.0000

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	131 PCB-188	43.74	43.72	5.243e3	5.363e3	1.050	0.98	NO	1.0294	1.0294
2	132 PCB-184	44.19	44.17	5.179e3	4.861e3	1.050	1.07	NO	0.99657	0.99657
3	133 PCB-179	44.99	44.99	5.377e3	4.763e3	1.050	1.13	NO	0.99846	0.99846
4	134 PCB-176	45.47	45.46	4.959e3	4.639e3	1.050	1.07	NO	0.95841	0.95841
5	135 PCB-186	46.09	46.08	5.095e3	4.633e3	1.050	1.10	NO	0.92501	0.92501
6	136 PCB-178	46.61	46.60	3.976e3	3.298e3	1.050	1.21	NO	1.0144	1.0144
7	137 PCB-175	48.97	48.96	3.898e3	3.555e3	1.050	1.10	NO	1.0171	1.0171



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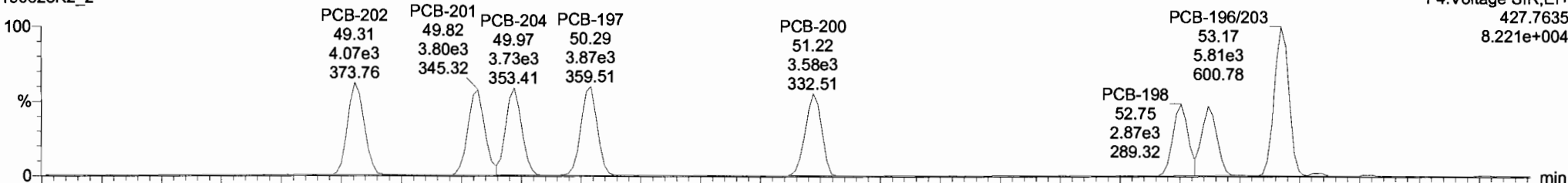
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PCB-202

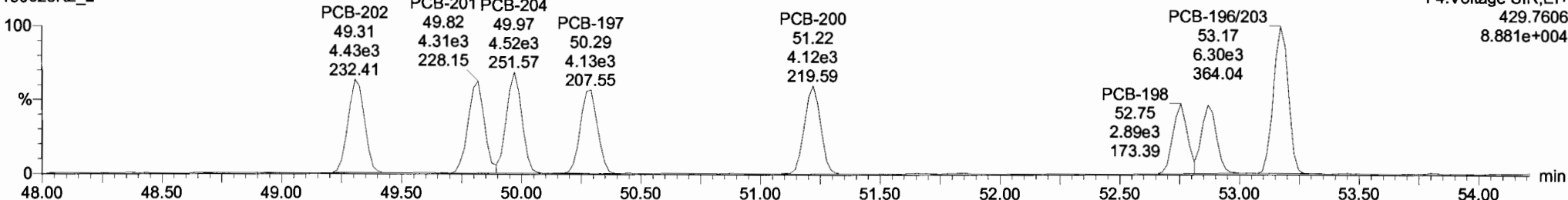
190628K2_2

F4:Voltage SIR,EI+
427.7635
8.221e+004



190628K2_2

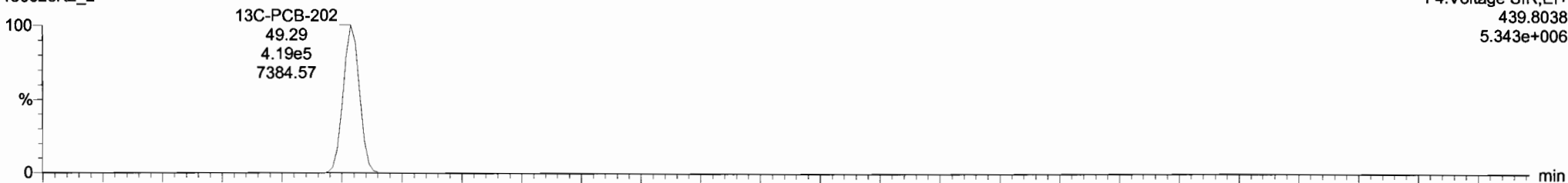
F4:Voltage SIR,EI+
429.7606
8.881e+004



13C-PCB-202

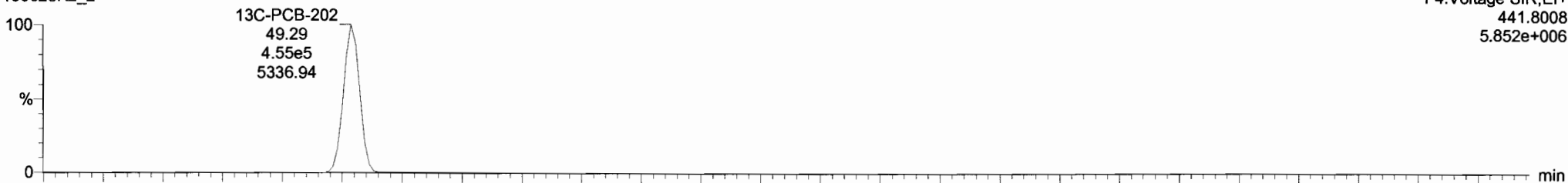
190628K2_2

F4:Voltage SIR,EI+
439.8038
5.343e+006



190628K2_2

F4:Voltage SIR,EI+
441.8008
5.852e+006

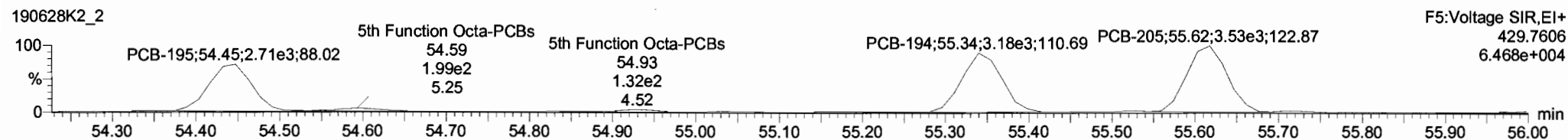
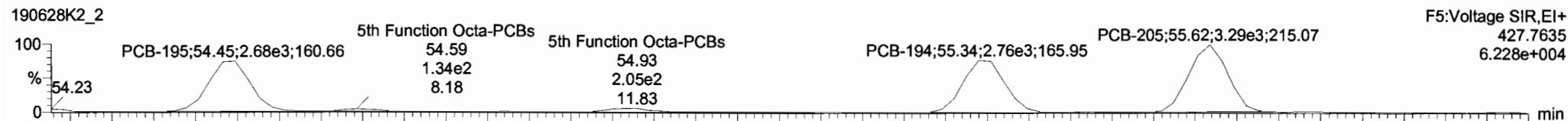


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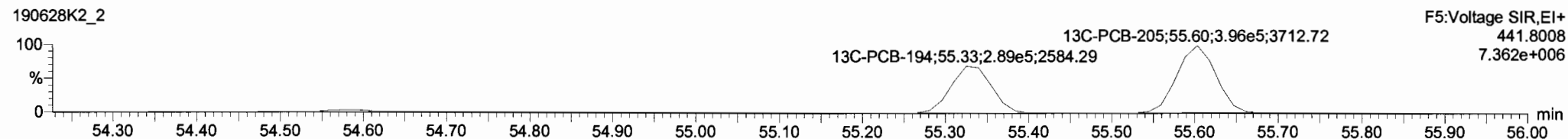
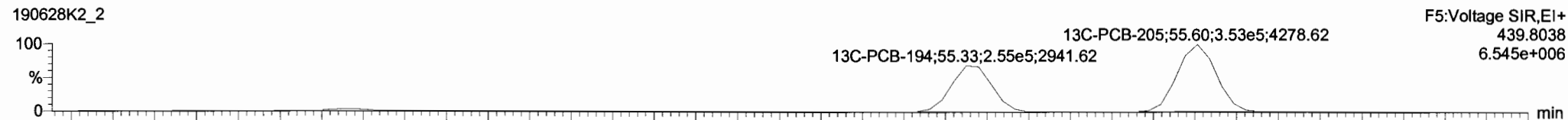
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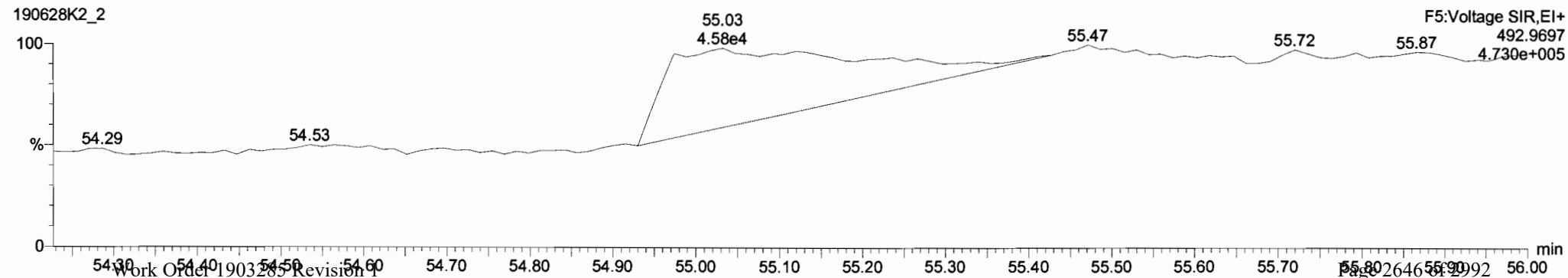
PCB-195



13C-PCB-194



PFK5

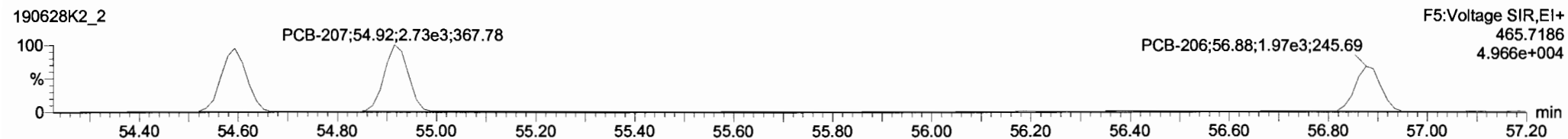
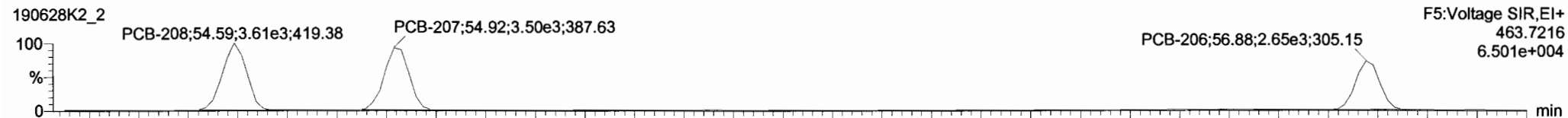


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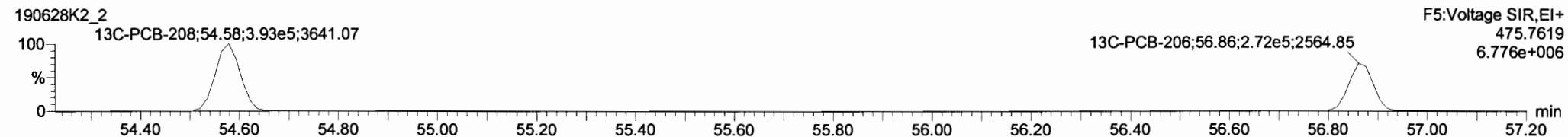
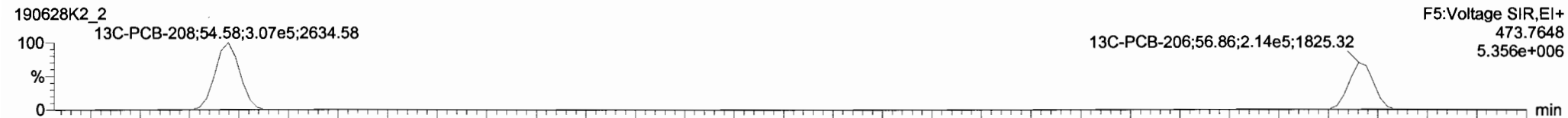
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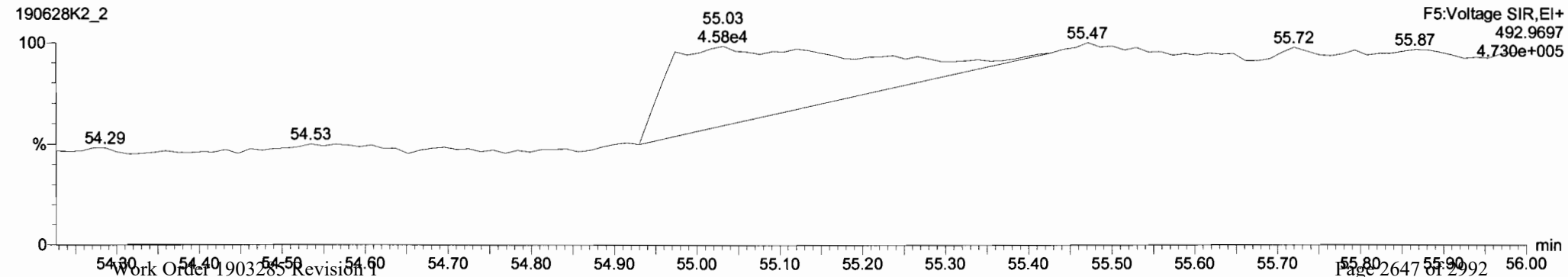
PCB-208



13C-PCB-208



PFK5



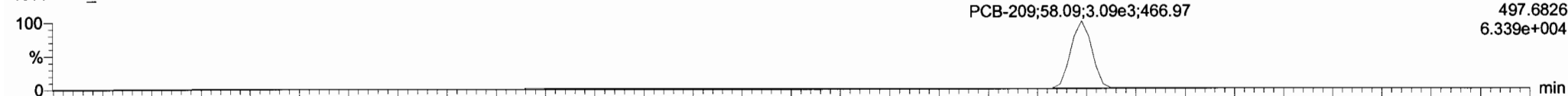
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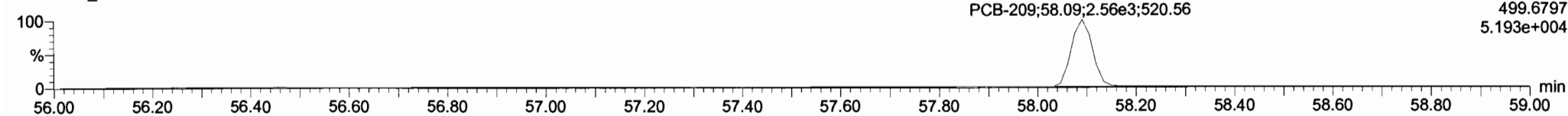
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PCB-209

190628K2_2

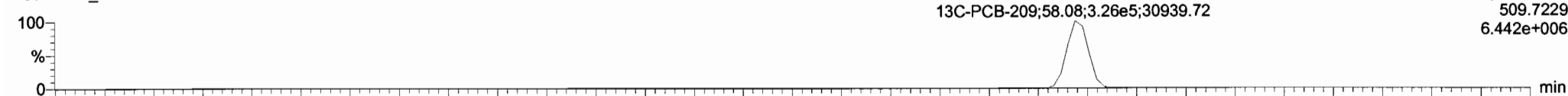


190628K2_2

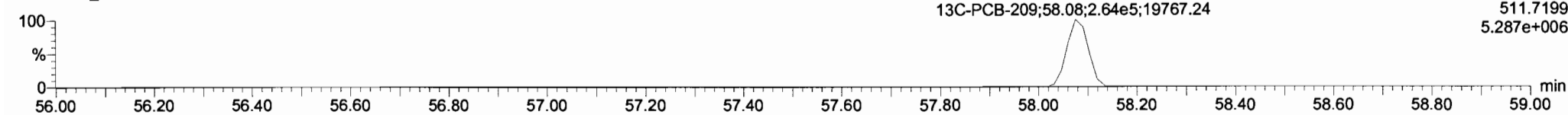


13C-PCB-209

190628K2_2

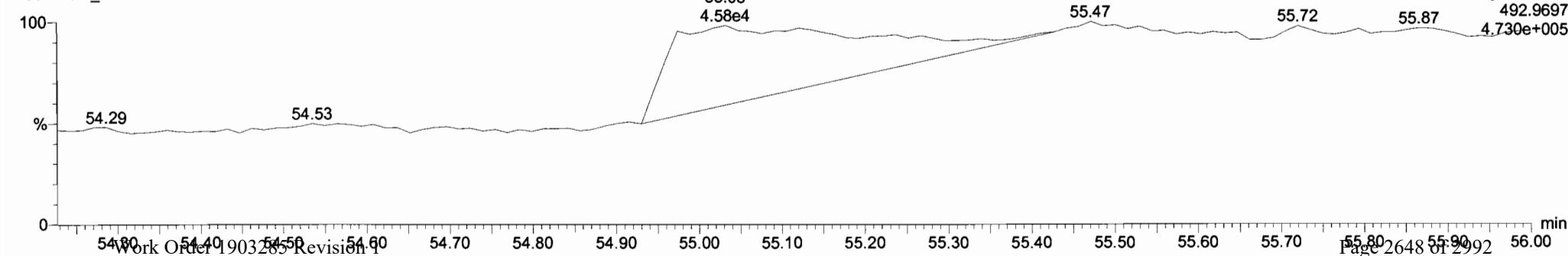


190628K2_2



PFK5

190628K2_2

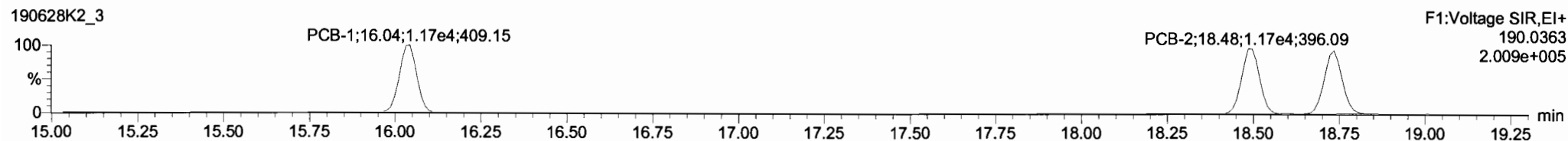
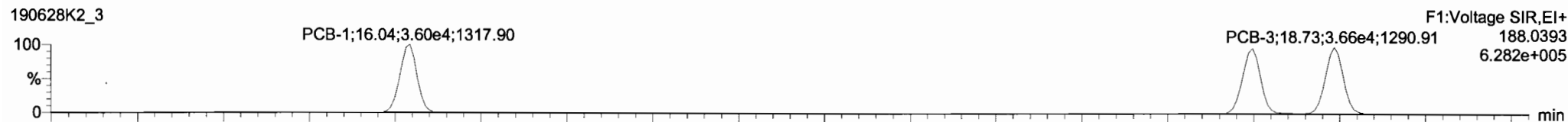


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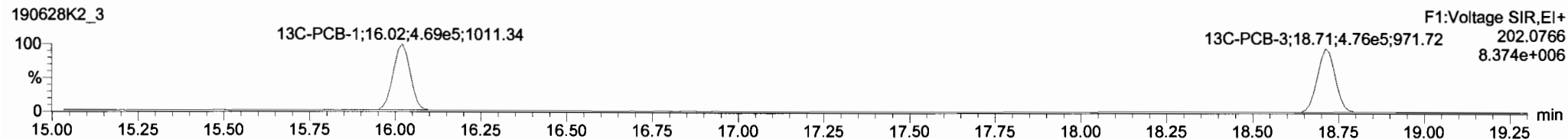
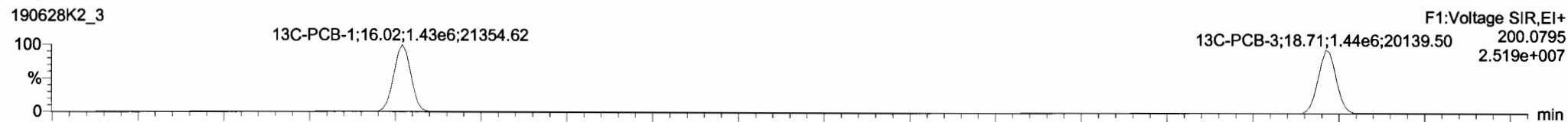
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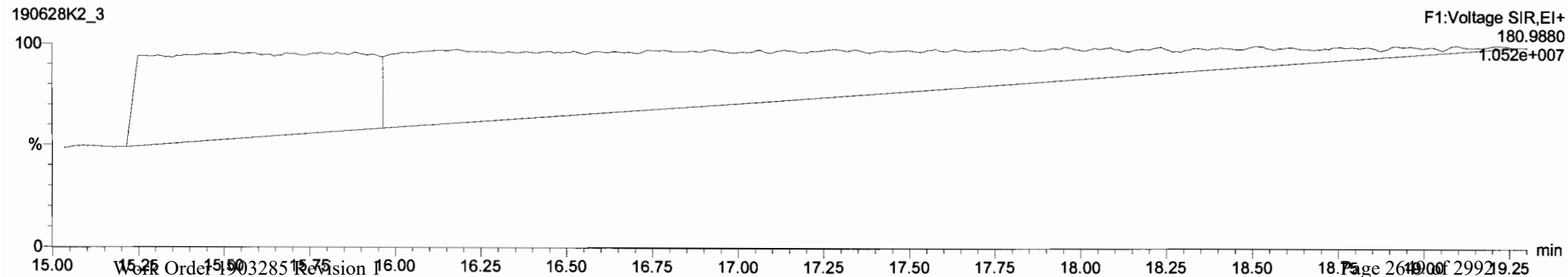
PCB-1



13C-PCB-1



PFK1

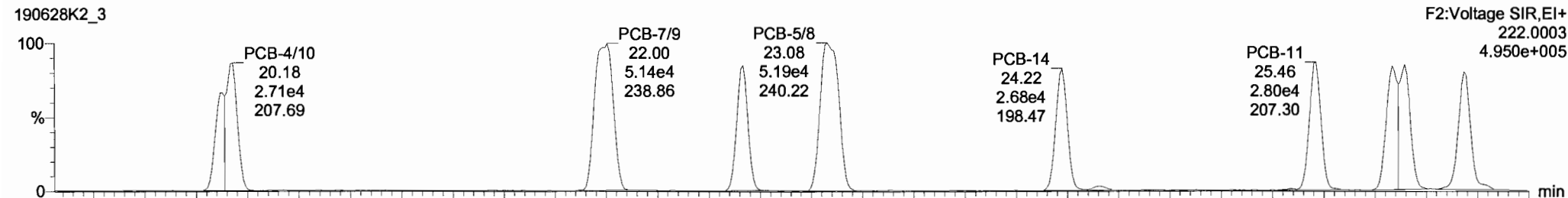


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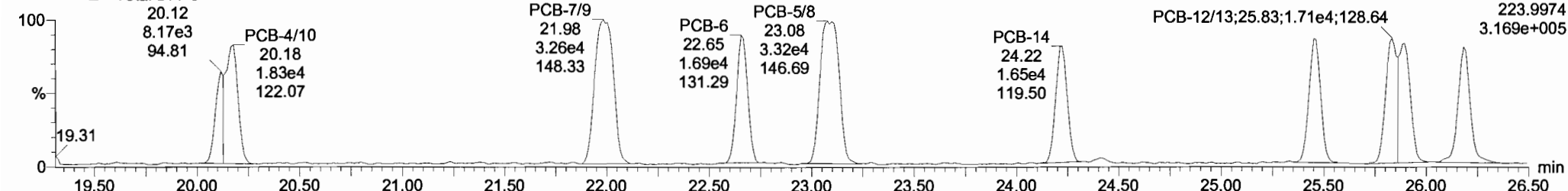
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Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

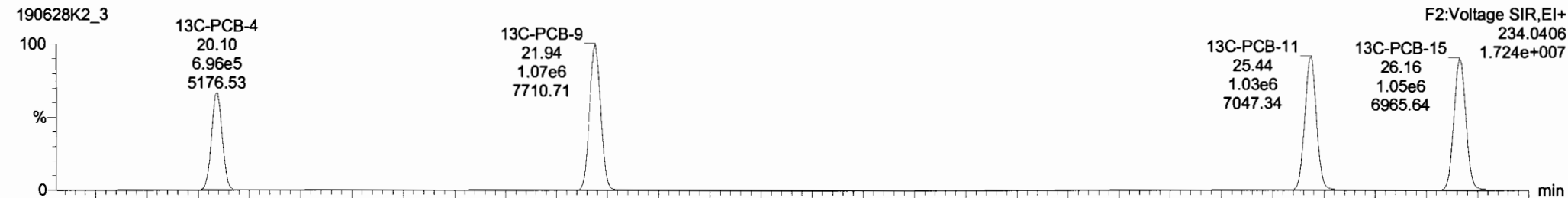
PCB-4/10



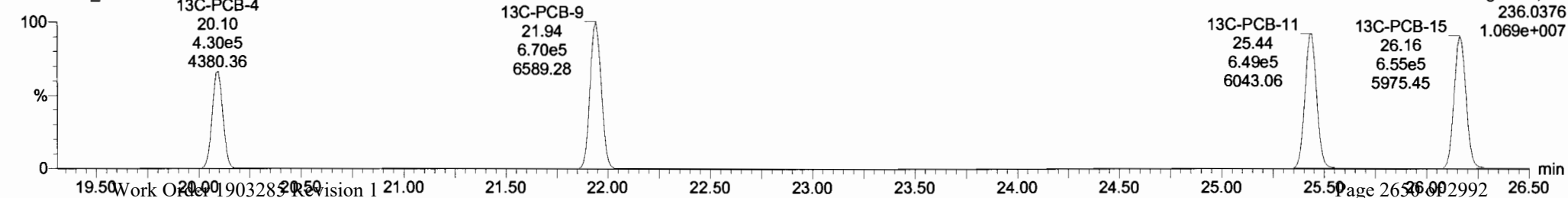
190628K2_3 Total Di-PCBs



13C-PCB-4



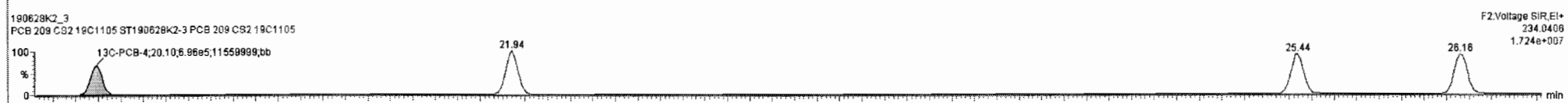
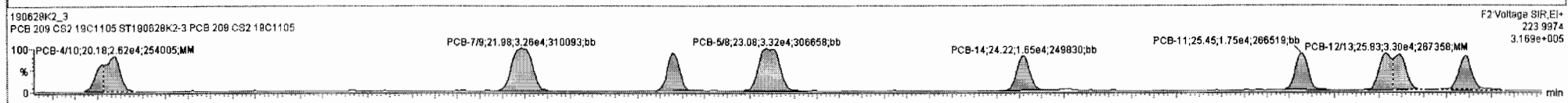
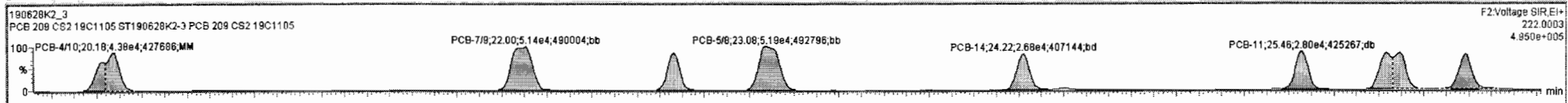
190628K2_3



190628k2_3 - ST190628K2-3 PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
218	13C-PCB-182	5.65e5	0.44	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0608	
219	13C-PCB-205	7.62e5	0.90	NO	1.0000	1.000	55.80	55.80	1.000	0.000	NO	100.0	100	0.0533	
220	13C-PCB-79	1.19e6	0.77	NO	1.0320	1.000	38.47	38.49	1.029	1.030	NO	98.88	98.9	0.0785	
221	13C-PCB-178	5.26e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	102.4	102	0.0688	
222	13C-PCB-79	1.19e6	0.78	NO	1.0454	1.000	38.46	38.49	0.968	0.968	NO	99.25	99.2	0.0831	
223	13C-PCB-178	5.26e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0689	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	7.411		0.0178	7.410
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	29.32		0.247	29.32
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	19.53		0.0708	19.53
227	3rd Function Tri-PCBs				1.0586	1.000	0.00		0.000		NO	38.35		0.282	38.35
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	103.0		0.434	103.0
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	100.0		0.342	100.0
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	12.15		0.101	12.15

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	20.18	20.18	4.382e4	2.618e4	1.560	1.67	NO	4.8770	4.8768
2	5 PCB-7/9	22.00	22.00	5.135e4	3.258e4	1.560	1.56	NO	4.9379	4.9377
3	6 PCB-6	22.65	22.67	2.821e4	1.894e4	1.560	1.55	NO	2.4364	2.4363
4	7 PCB-5/8	23.07	23.08	5.185e4	3.316e4	1.560	1.56	NO	4.8284	4.8280
5	8 PCB-14	24.23	24.22	2.682e4	1.645e4	1.560	1.63	NO	2.4951	2.4949
6	9 PCB-11	25.46	25.46	2.800e4	1.751e4	1.560	1.60	NO	2.4727	2.4724
7	10 PCB-12/13	25.83	25.89	5.082e4	3.298e4	1.560	1.54	NO	4.8117	4.8118



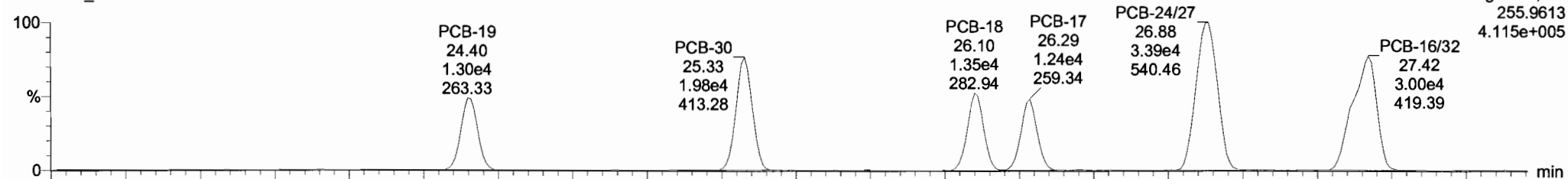
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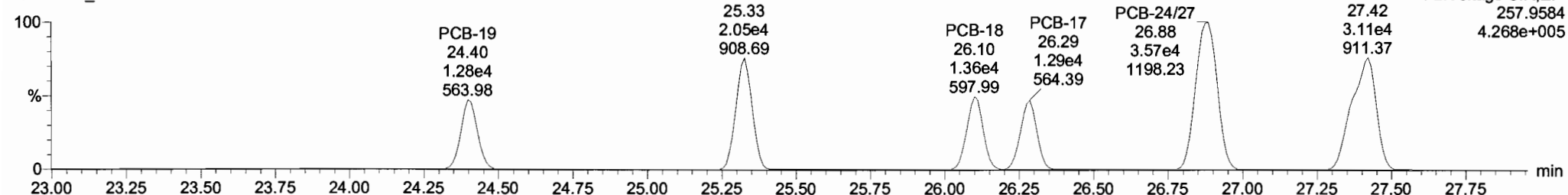
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PCB-19

190628K2_3

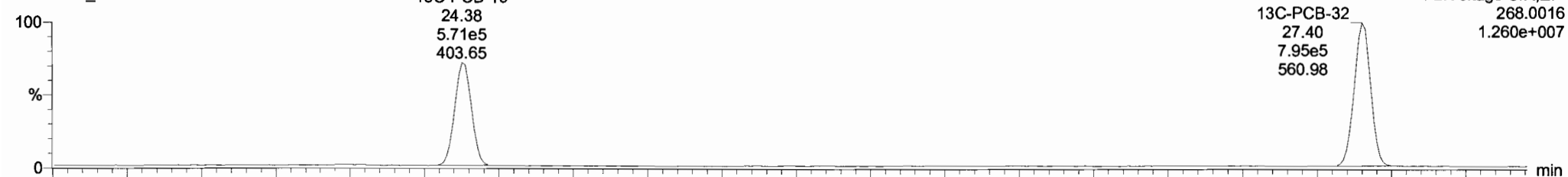


190628K2_3

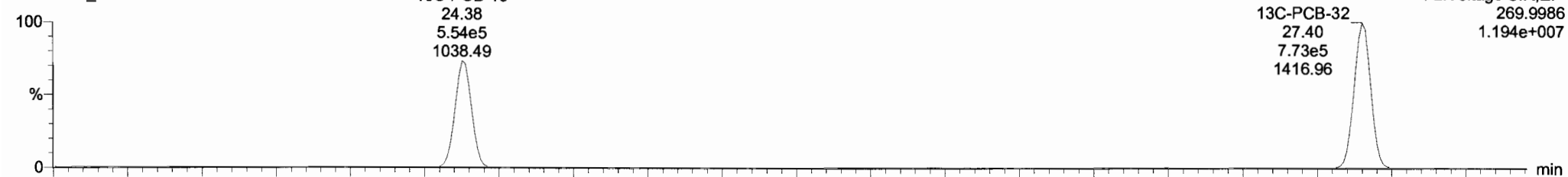


13C-PCB-19

190628K2_3



190628K2_3

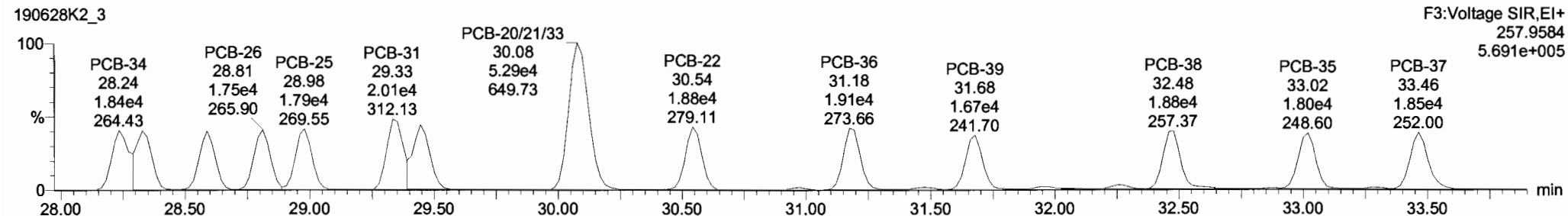
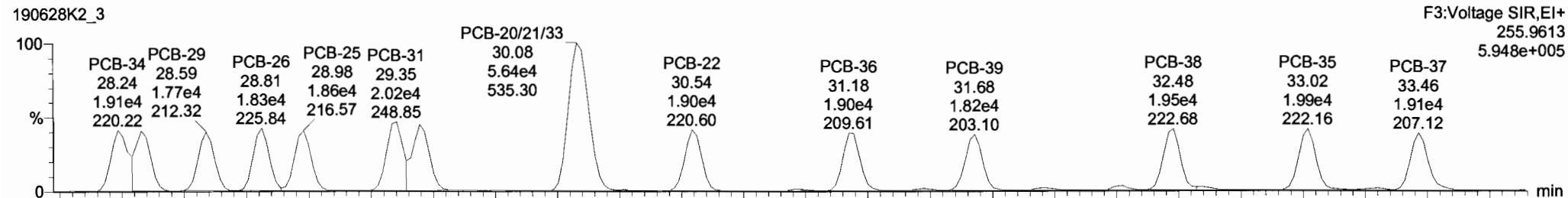


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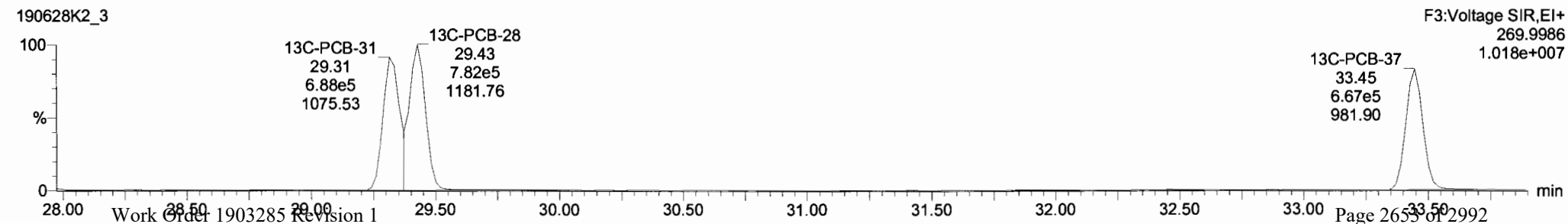
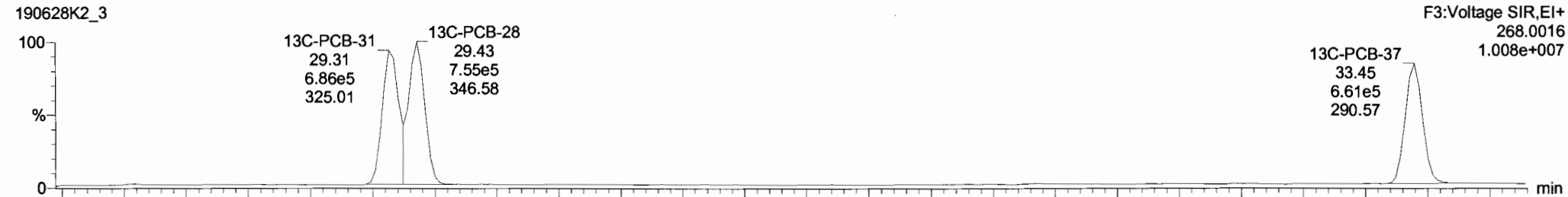
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Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-34



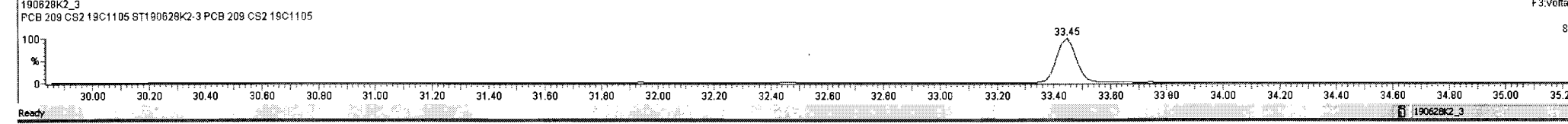
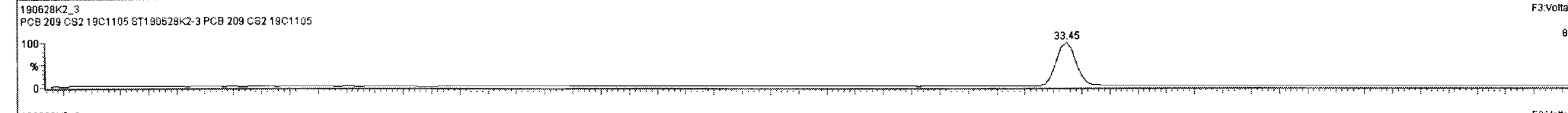
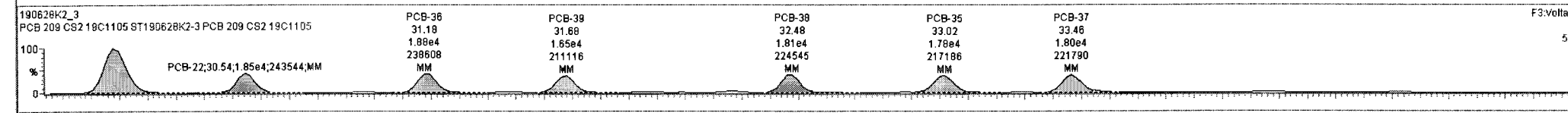
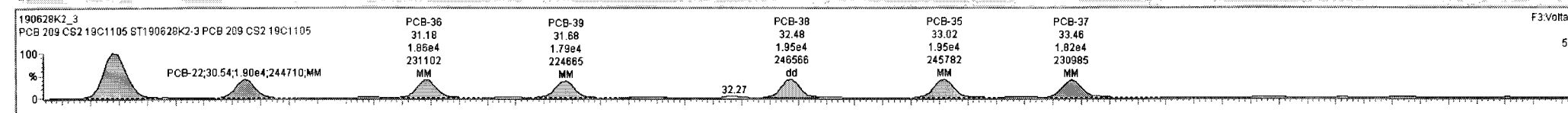
13C-PCB-28



190628K2_3 - ST190628K2-3.PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
218	13C-PCB-182	5.65e5	0.45	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0508	
219	13C-PCB-205	7.62e5	0.90	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0533	
220	13C-PCB-79	1.19e6	0.77	NO	1.0320	1.000	38.47	38.49	1.029	1.030	NO	98.88	98.9	0.0785	
221	13C-PCB-178	5.26e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	102.4	102	0.0668	
222	13C-PCB-79	1.18e6	0.78	NO	1.0454	1.000	38.46	38.49	0.968	0.969	NO	99.25	99.2	0.0831	
223	13C-PCB-178	5.26e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0669	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	7.411		0.0178	7.411
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	29.32		0.247	29.32
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	19.53		0.0708	19.53
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	38.30		0.282	38.30
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	103.0		0.434	103.0
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	100.0		0.342	100.0
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	12.15		0.101	12.15

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
8	25 PCB-20/21/33	30.07	30.08	5.635e4	5.262e4	1.040	1.07	NO	7.0657	7.0657
9	26 PCB-22	30.53	30.54	1.896e4	1.853e4	1.040	1.02	NO	2.3817	2.3817
10	27 PCB-36	31.19	31.18	1.857e4	1.878e4	1.040	0.99	NO	2.3899	2.3899
11	28 PCB-39	31.66	31.68	1.786e4	1.650e4	1.040	1.08	NO	2.3965	2.3965
12	29 PCB-38	32.48	32.48	1.954e4	1.806e4	1.040	1.08	NO	2.5095	2.5095
13	30 PCB-35	33.02	33.02	1.948e4	1.775e4	1.040	1.10	NO	2.4769	2.4769
14	31 PCB-37	33.48	33.46	1.817e4	1.796e4	1.040	1.01	NO	2.4804	2.4804



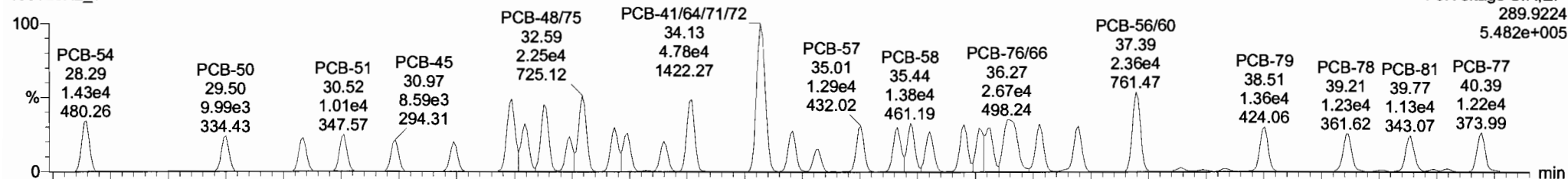
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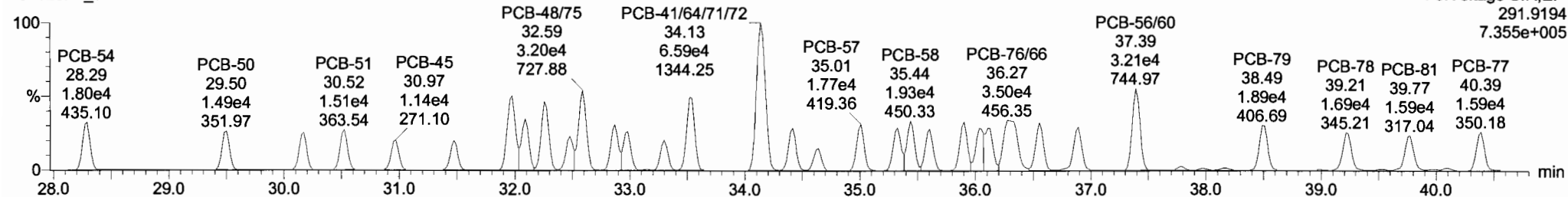
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PCB-54

190628K2_3

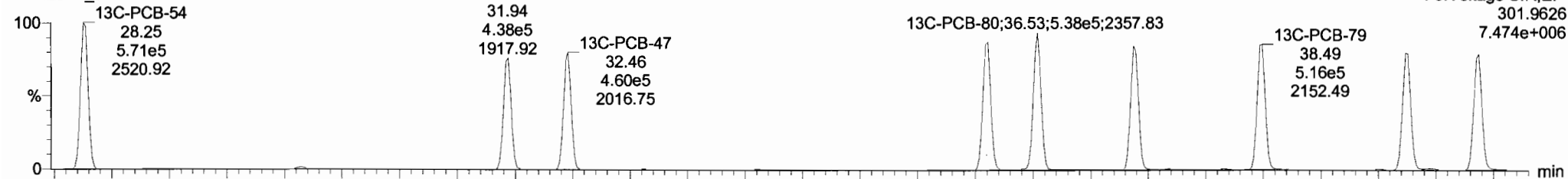


190628K2_3

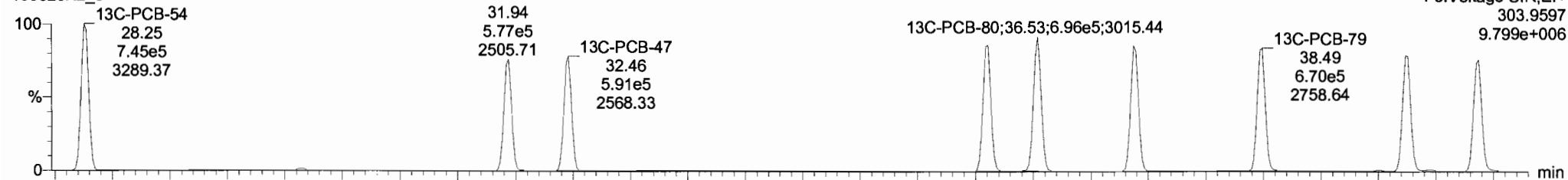


13C-PCB-54

190628K2_3



190628K2_3

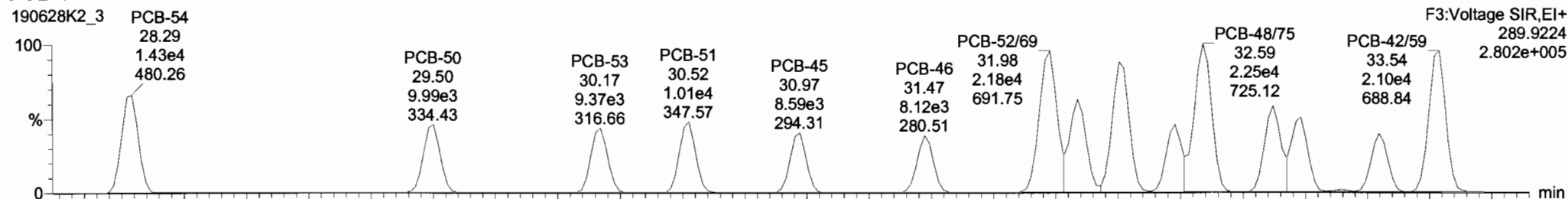


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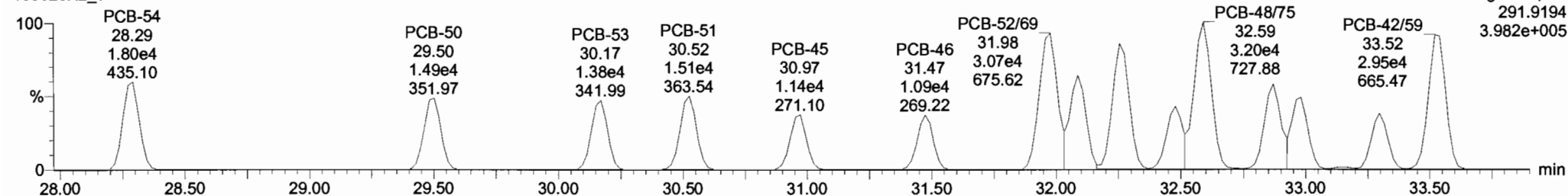
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Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-50



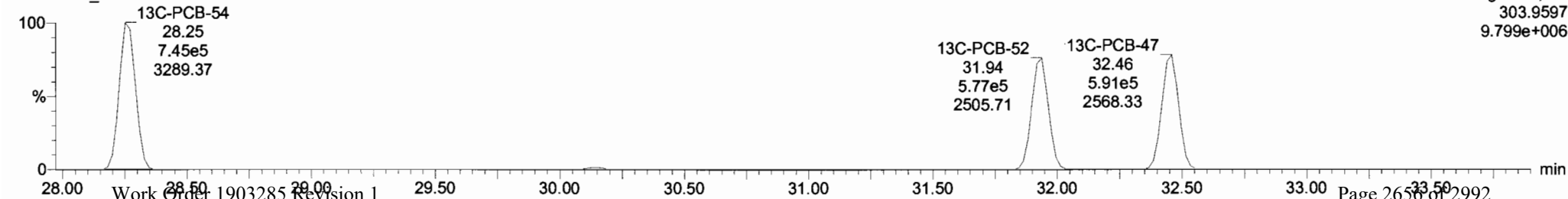
190628K2_3



13C-PCB-52



190628K2_3

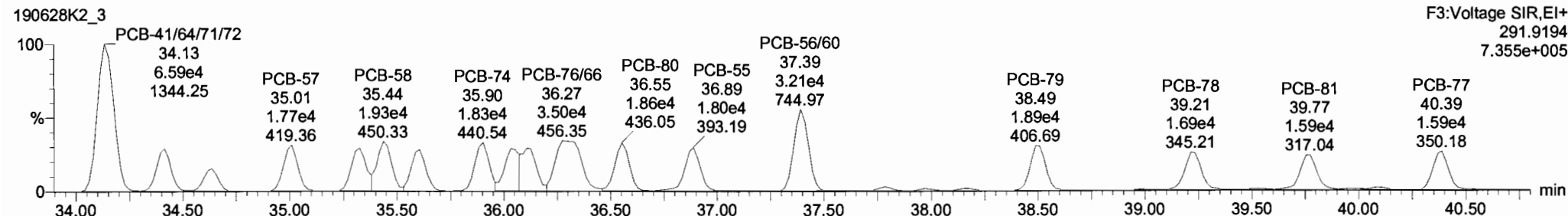
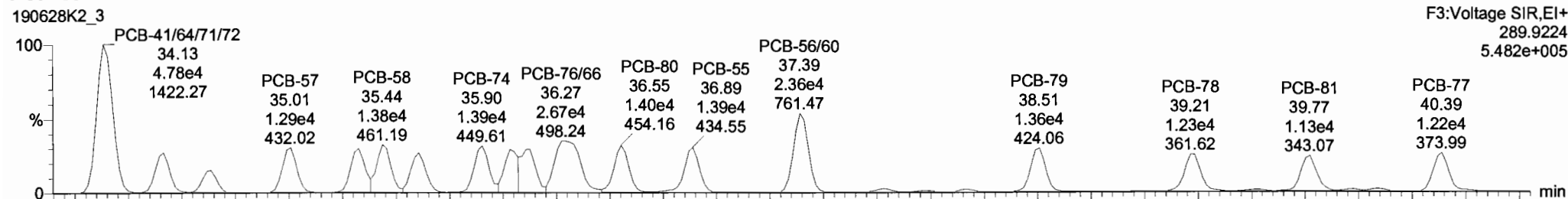


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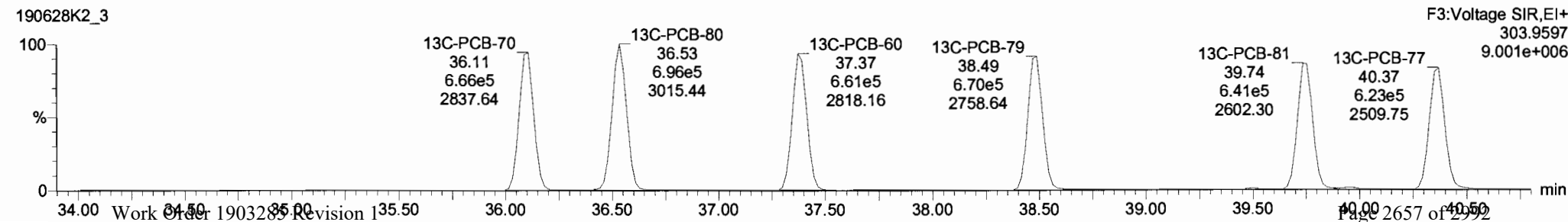
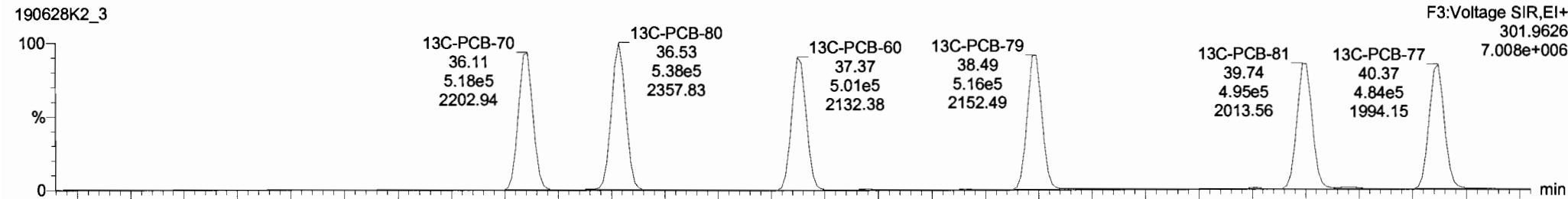
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Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-68



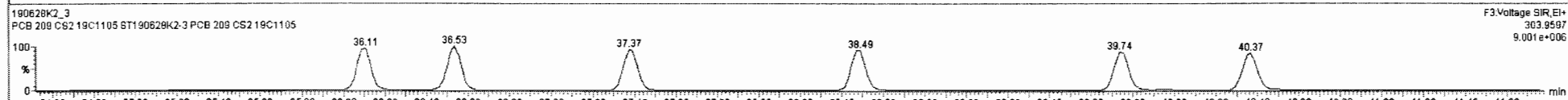
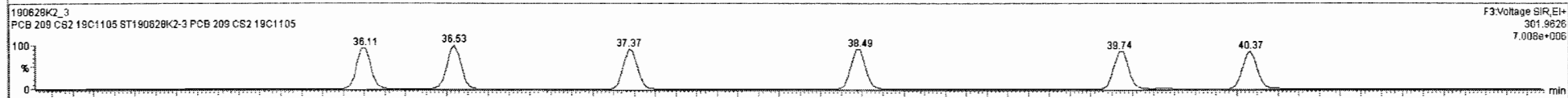
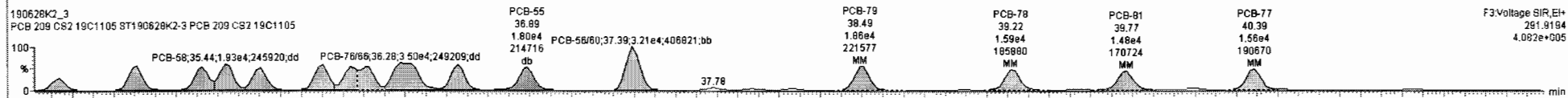
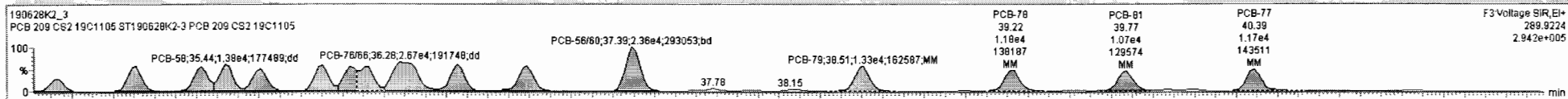
13C-PCB-60



190628K2_3 - ST190628K2-3 PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

#	Name	Resp	RA	n/y	RRF	w/w/d	Pred.RT	RT	Pred.R...	RRT	RRF:Fail	Conc	%Rec	DL	EMPC
218	13C-PCB-162	5.65e5	0.45	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0608	
219	13C-PCB-205	7.62e5	0.90	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0533	
220	13C-PCB-79	1.19e6	0.77	NO	1.0320	1.000	38.47	38.49	1.029	1.030	NO	98.88	98.9	0.0785	
221	13C-PCB-178	5.26e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	102.4	102	0.0688	
222	13C-PCB-79	1.19e6	0.78	NO	1.0454	1.000	38.46	38.49	0.968	0.968	NO	99.25	99.2	0.0831	
223	13C-PCB-178	5.26e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0683	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	7.411		0.0178	7.411
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	29.32		0.247	29.32
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	19.53		0.0708	19.53
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	36.30		0.282	36.30
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	103.0		0.434	103.0
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	100.0		0.342	100.0
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	12.15		0.101	12.15

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	28.27	28.29	1.435e4	1.805e4	0.770	0.79	NO	2.4715	2.4715
33	PCB-50	29.49	29.50	9.985e3	1.489e4	0.770	0.67	NO	2.4187	2.4187
34	PCB-53	30.18	30.17	9.368e3	1.384e4	0.770	0.68	NO	2.3940	2.3940
35	PCB-51	30.53	30.52	1.010e4	1.507e4	0.770	0.67	NO	2.4225	2.4225
36	PCB-45	30.97	30.97	8.595e3	1.140e4	0.770	0.75	NO	2.4379	2.4379
37	PCB-46	31.47	31.47	8.118e3	1.090e4	0.770	0.75	NO	2.4858	2.4858
38	PCB-52/69	31.98	31.98	2.177e4	3.070e4	0.770	0.71	NO	4.7341	4.7341



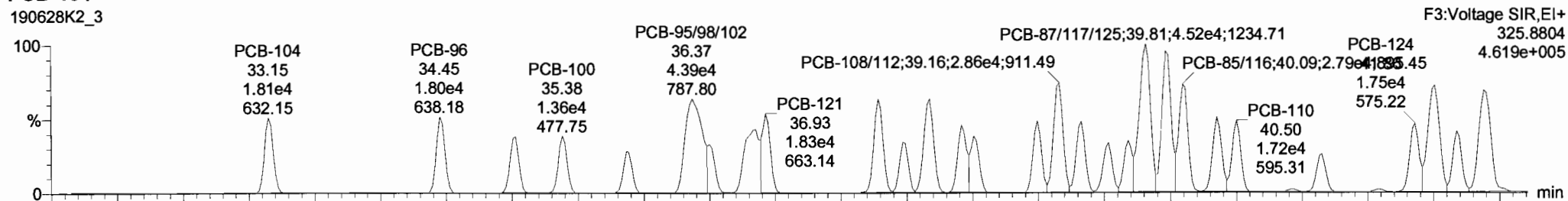
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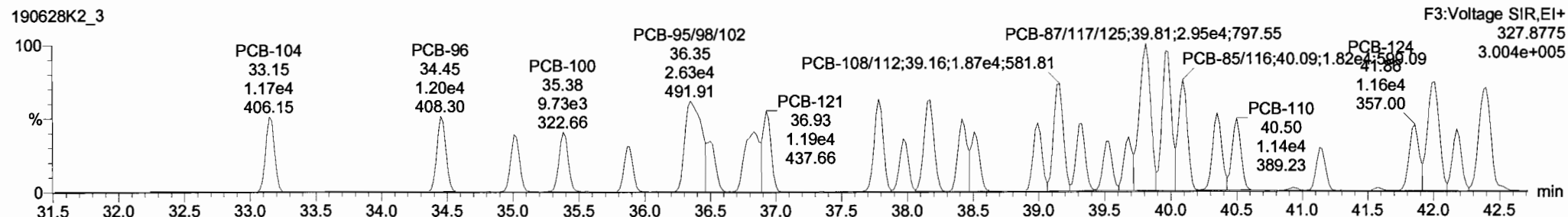
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PCB-104

190628K2_3

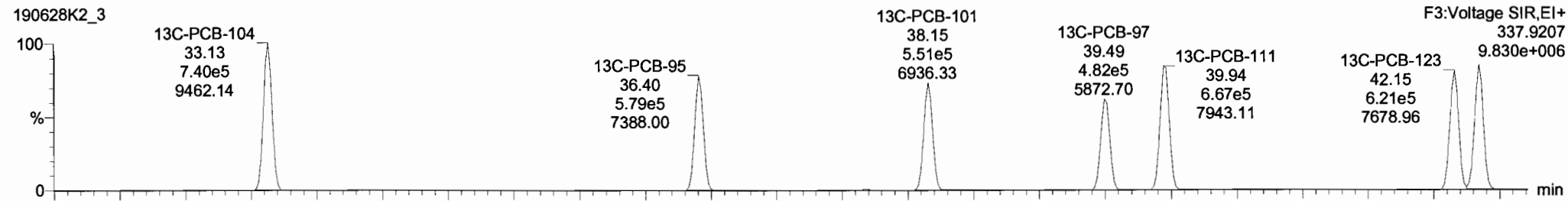


190628K2_3

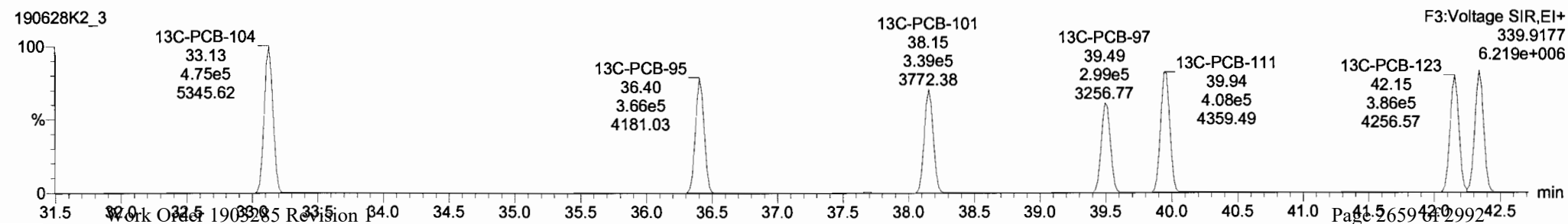


13C-PCB-104

190628K2_3



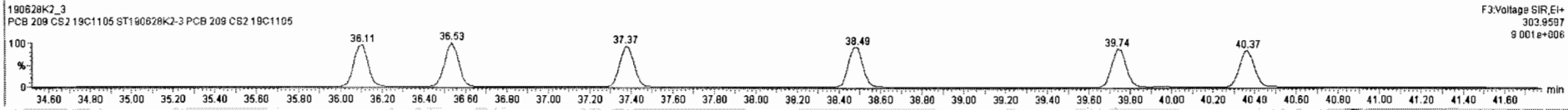
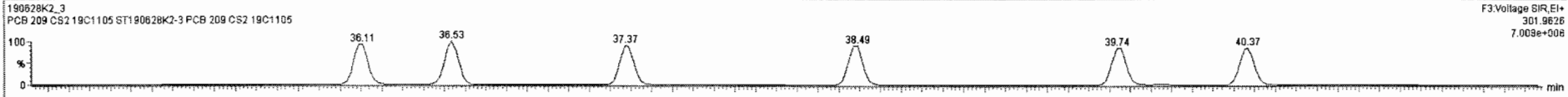
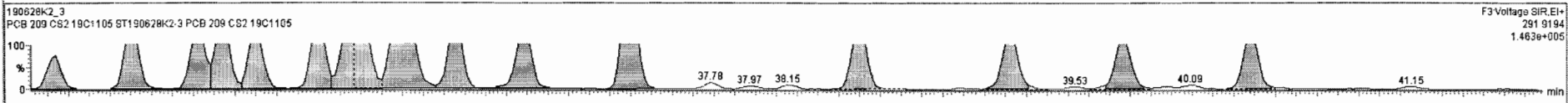
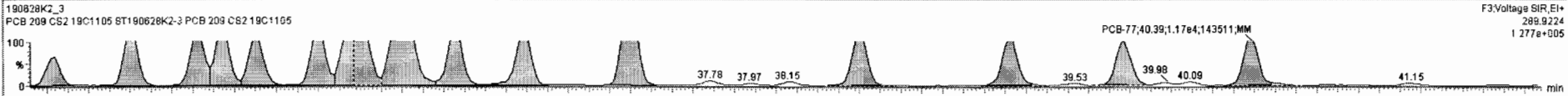
190628K2_3



190628K2_3 - ST190628K2-3 PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

#	Name	Resp	RA	rv	RRF	wt/d	Prod RT	RT	Prod.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
216	218 13C-PCB-182	5.65e5	0.45	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0608	
219	219 13C-PCB-205	7.62e5	0.90	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0533	
220	220 13C-PCB-79	1.19e6	0.77	NO	1.0320	1.000	38.47	38.49	1.029	1.030	NO	98.98	98.9	0.0785	
221	221 13C-PCB-176	5.26e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	102.4	102	0.0668	
222	222 13C-PCB-79	1.18e6	0.78	NO	1.0454	1.000	38.46	38.49	0.968	0.969	NO	99.25	99.2	0.0831	
223	223 13C-PCB-176	5.26e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0668	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	7.411		0.0178	7.411
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	29.32		0.247	29.32
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	19.53		0.0708	19.53
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	38.30		0.282	38.30
228	228 Total Tetra-PCBs				0.9661	1.000	0.00		0.000		NO	103.0		0.434	103.0
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	100.0		0.342	100.0
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	12.15		0.101	12.15

#	Name	Prod RT	RT	m1 Resp	m2 Resp	1 st Ratio (Prod)	RA	rv	EMPC	Conc.
1	32 PCB-54	28.27	28.29	1.435e4	1.805e4	0.770	0.79	NO	2.4715	2.4715
2	33 PCB-50	29.49	29.50	9.989e3	1.469e4	0.770	0.87	NO	2.4187	2.4187
3	34 PCB-53	30.18	30.17	9.368e3	1.384e4	0.770	0.88	NO	2.3940	2.3940
4	35 PCB-51	30.53	30.52	1.010e4	1.507e4	0.770	0.87	NO	2.4225	2.4225
5	36 PCB-45	30.97	30.97	8.595e3	1.140e4	0.770	0.75	NO	2.4379	2.4379
6	37 PCB-46	31.47	31.47	8.118e3	1.090e4	0.770	0.75	NO	2.4858	2.4858
7	38 PCB-52/68	31.98	31.98	2.177e4	3.070e4	0.770	0.71	NO	4.7341	4.7341

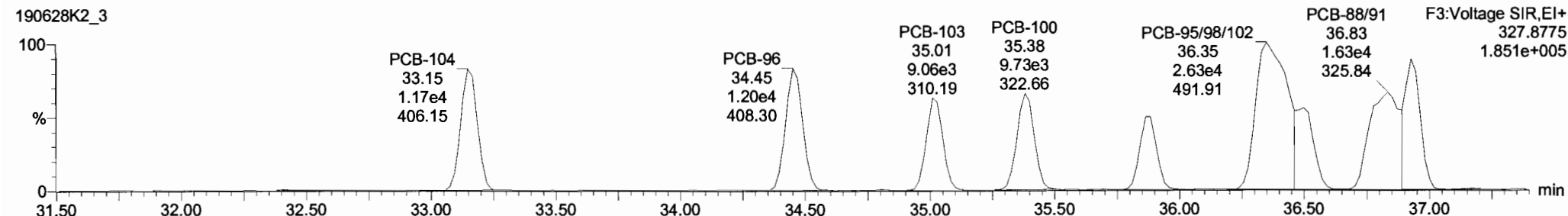
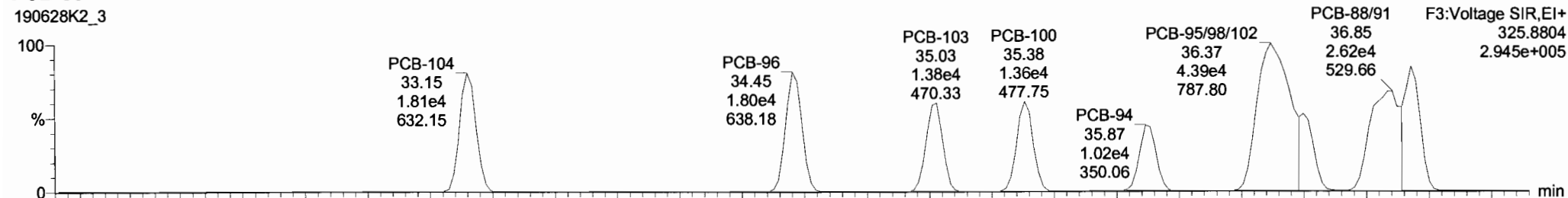


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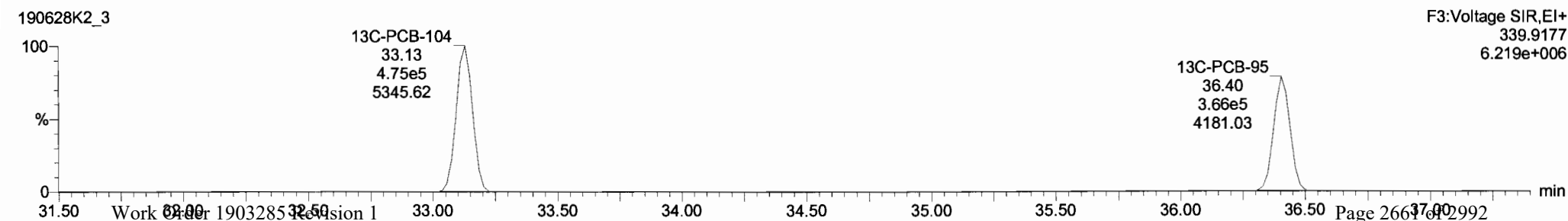
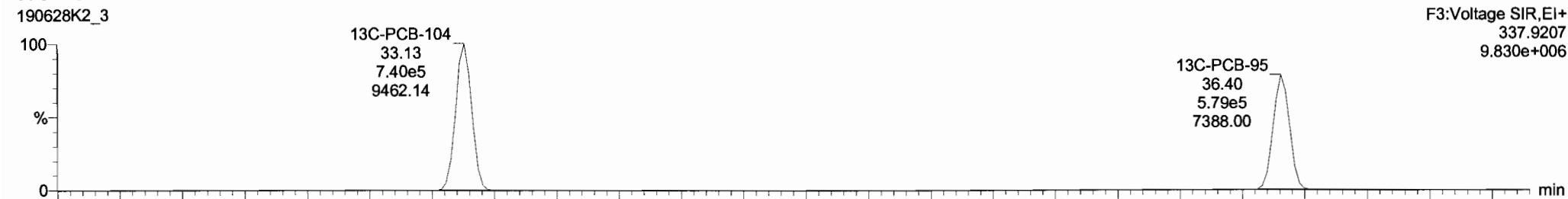
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Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-96



13C-PCB-95



Vista Analytical Laboratory VG-11

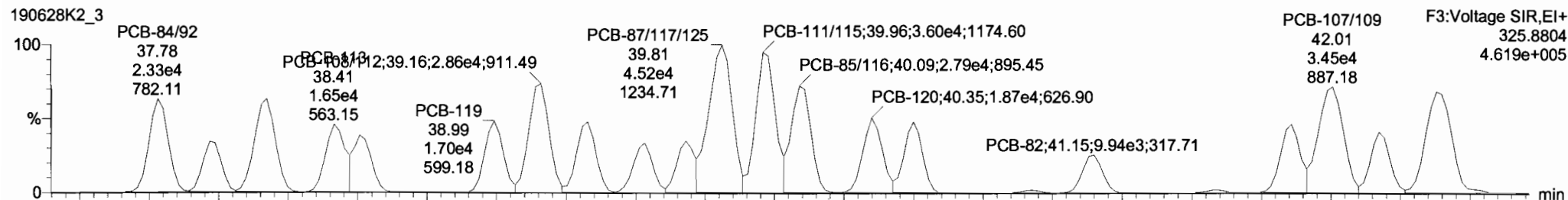
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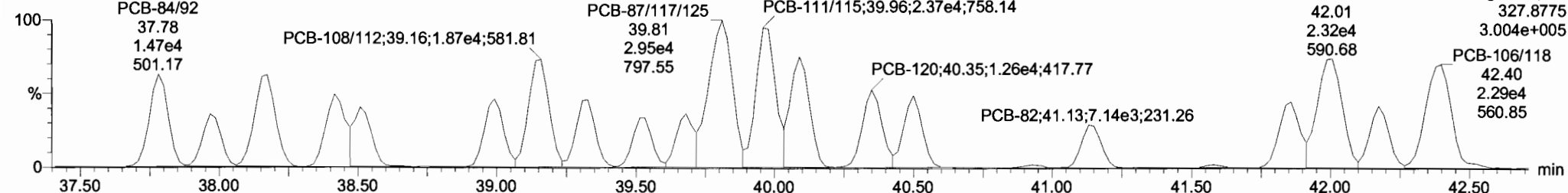
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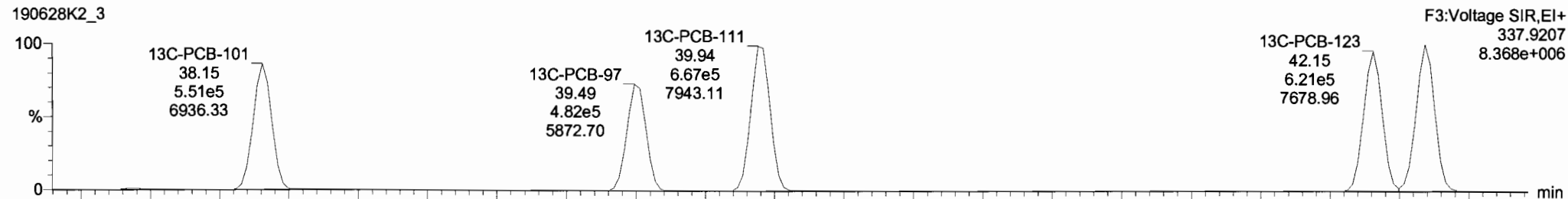
PCB-119



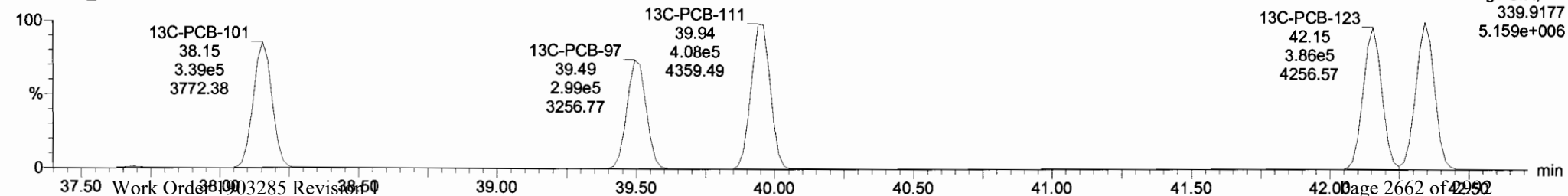
190628K2_3



13C-PCB-111

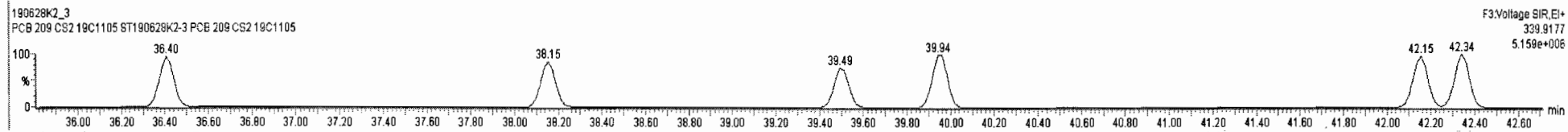
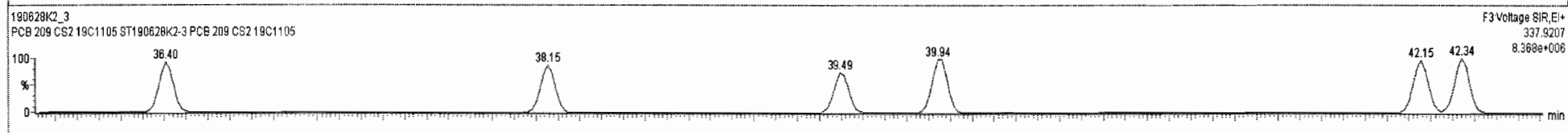
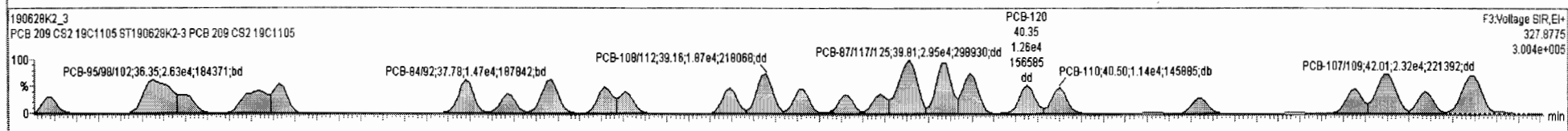
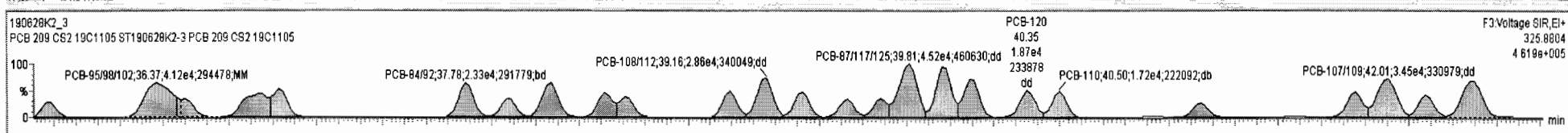


190628K2_3



#	Name	Resp	RA	n/y	RRF	wAol	Pred.RT	RT	Pred.R...	RRT	RRT Fcl	Conc.	%Rec	DL	EMPC
218	13C-PCB-182	5.65e5	0.45	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0608	
219	13C-PCB-205	7.62e5	0.90	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0533	
220	13C-PCB-79	1.19e6	0.77	NO	1.0320	1.000	38.47	38.49	1.029	1.030	NO	98.88	96.9	0.0785	
221	13C-PCB-178	5.26e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	102.4	102	0.0688	
222	13C-PCB-79	1.18e6	0.78	NO	1.0454	1.000	38.46	38.49	0.968	0.969	NO	99.25	99.2	0.0831	
223	13C-PCB-178	5.26e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0689	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	7.411		0.0178	7.411
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	29.32		0.247	29.32
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	19.53		0.0708	19.53
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	38.30		0.282	38.30
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	103.0		0.434	103.0
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	100.0		0.342	100.0
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	12.15		0.101	12.15

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	33.15	33.15	1.810e4	1.174e4	1.560	1.54	NO	2.4699	2.4699
2	65 PCB-96	34.47	34.45	1.795e4	1.204e4	1.560	1.49	NO	2.4799	2.4799
3	66 PCB-103	35.03	35.03	1.379e4	9.059e3	1.560	1.52	NO	2.4289	2.4289
4	67 PCB-100	35.40	35.38	1.364e4	9.729e3	1.560	1.40	NO	2.4736	2.4736
5	68 PCB-94	35.89	35.87	1.021e4	7.233e3	1.560	1.41	NO	2.3845	2.3845
6	69 PCB-95/96/102	36.38	36.37	4.124e4	2.627e4	1.560	1.57	NO	7.0362	7.0362
7	70 PCB-83	36.51	36.48	1.289e4	8.560e3	1.560	1.51	NO	2.6971	2.6971



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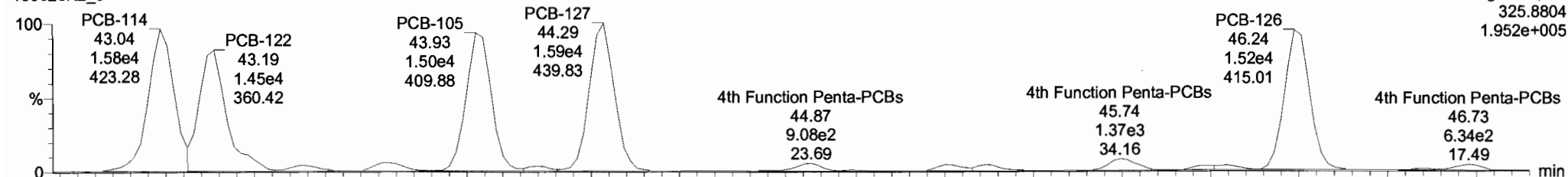
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PCB-114

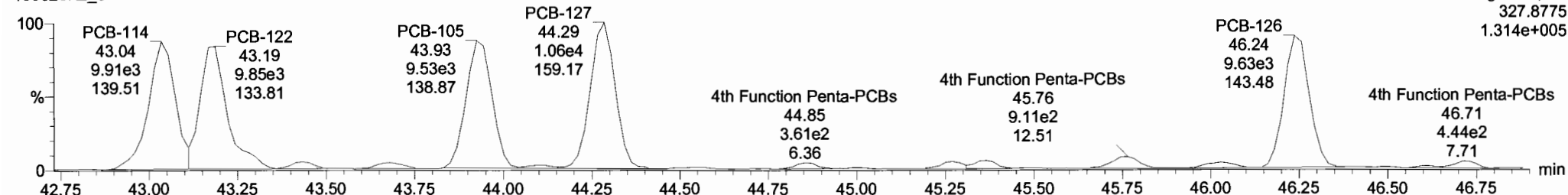
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F4:Voltage SIR,EI+
325.8804
1.952e+005



190628K2_3

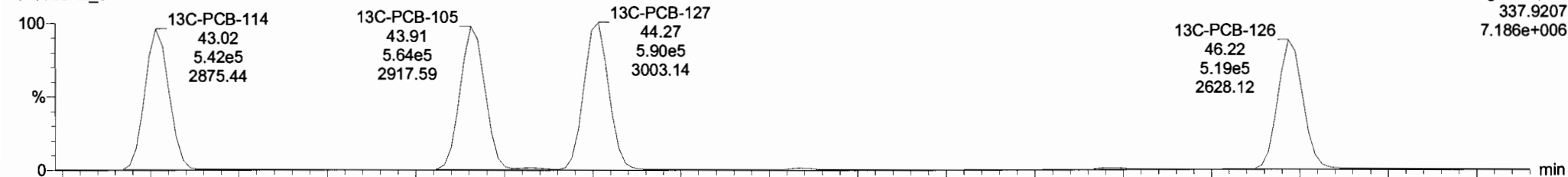
F4:Voltage SIR,EI+
327.8775
1.314e+005



13C-PCB-114

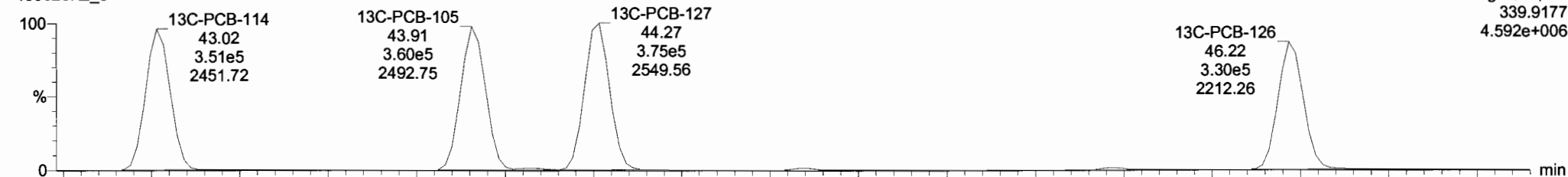
190628K2_3

F4:Voltage SIR,EI+
337.9207
7.186e+006



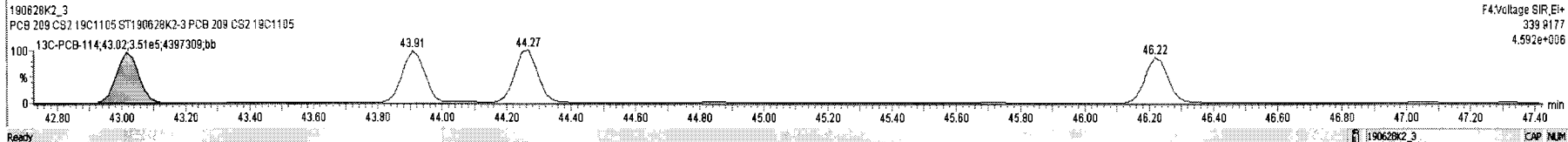
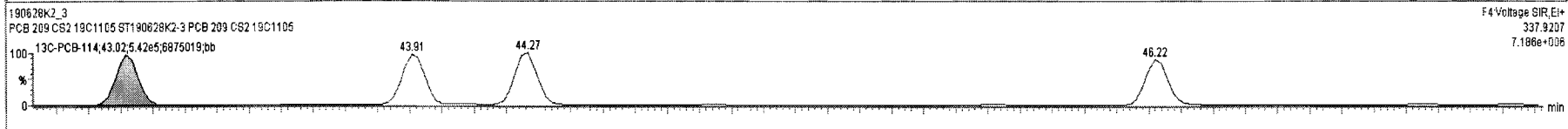
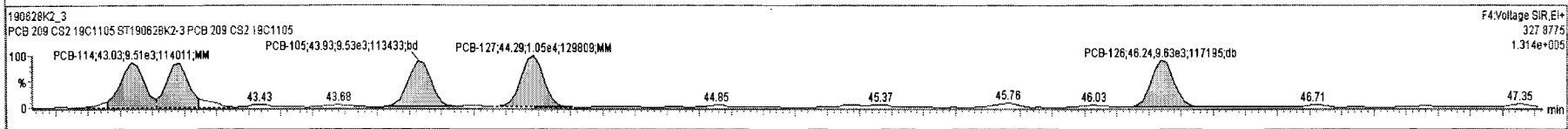
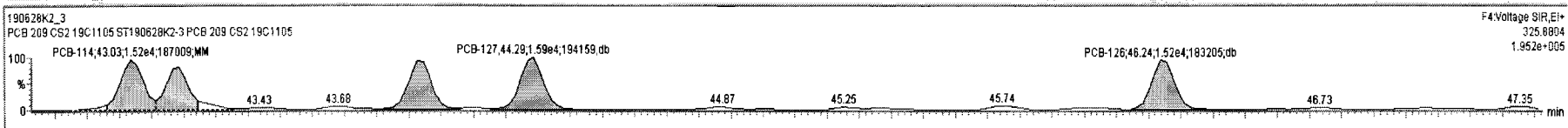
190628K2_3

F4:Voltage SIR,EI+
339.9177
4.592e+006



#	Name	Resp	RA	n/y	RF	wt/col	Pred.RT	RT	Pred.R	RRT	RRT/Fail	Conc.	%Rec	DL	EMPC
218	13C-PCB-182	5.55e5	0.45	NO	1.0000	1.000	47.13	47.13	0.000	0.000	NO	100.0	100	0.0808	
219	13C-PCB-205	7.62e5	0.90	NO	1.0000	1.000	55.60	55.60	1.000	0.000	NO	100.0	100	0.0533	
220	13C-PCB-79	1.19e6	0.77	NO	1.0320	1.000	38.47	38.49	1.029	1.030	NO	98.88	98.9	0.0785	
221	13C-PCB-178	5.26e5	0.45	NO	0.8746	1.000	46.58	46.58	0.989	0.988	NO	102.4	102	0.0888	
222	13C-PCB-79	1.18e6	0.78	NO	1.0454	1.000	38.45	38.49	0.969	0.969	NO	99.25	99.2	0.0831	
223	13C-PCB-178	5.26e5	0.45	NO	0.9749	1.000	46.59	46.58	0.924	0.924	NO	100.9	101	0.0669	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	7.411		0.0178	7.411
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	28.32		0.247	28.32
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	19.53		0.0708	19.53
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	36.30		0.292	36.30
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	103.0		0.434	103.0
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	100.0		0.342	100.0
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	12.15		0.101	12.15

#	Name	Pred.RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
93	PCB-114	43.04	43.03	1.523e4	9.510e3	1.580	1.60	NO	2.3840	2.3840
94	PCB-122	43.17	43.19	1.285e4	8.739e3	1.580	1.47	NO	2.4848	2.4848
95	PCB-105	43.92	43.93	1.498e4	9.530e3	1.580	1.57	NO	2.4067	2.4067
96	PCB-127	44.28	44.29	1.590e4	1.051e4	1.580	1.51	NO	2.4667	2.4667
97	PCB-126	46.24	46.24	1.518e4	9.627e3	1.580	1.58	NO	2.4092	2.4092



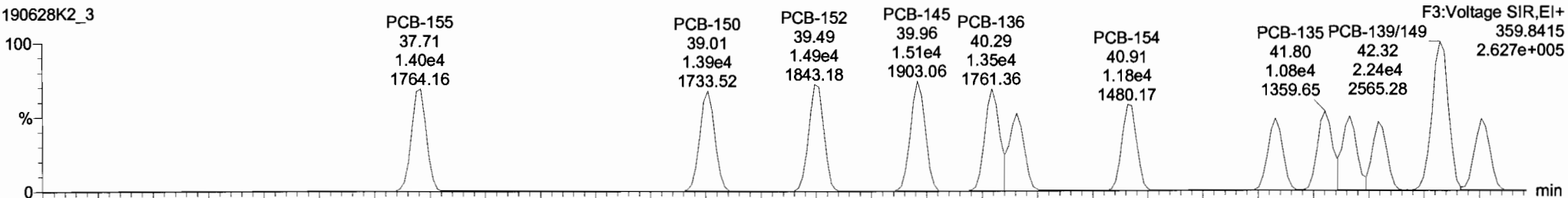
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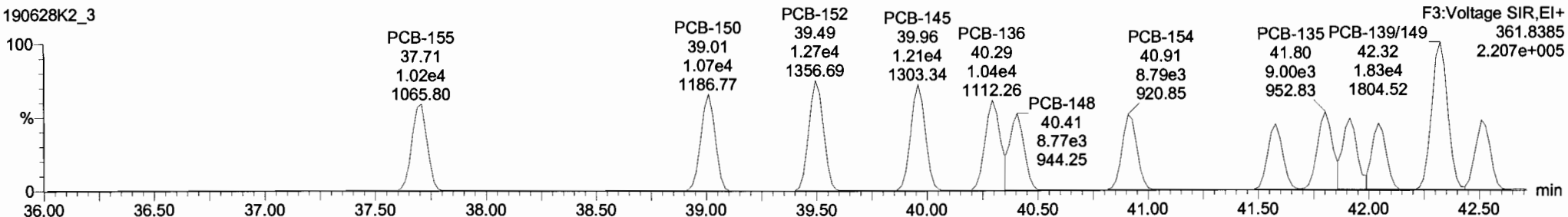
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PCB-155

190628K2_3

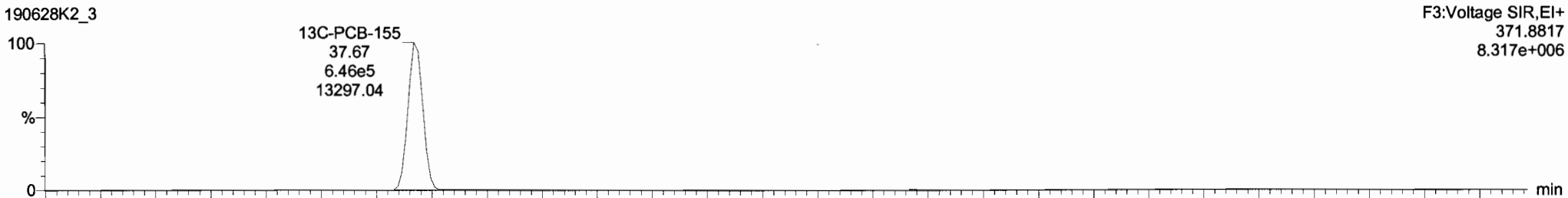


190628K2_3



13C-PCB-155

190628K2_3



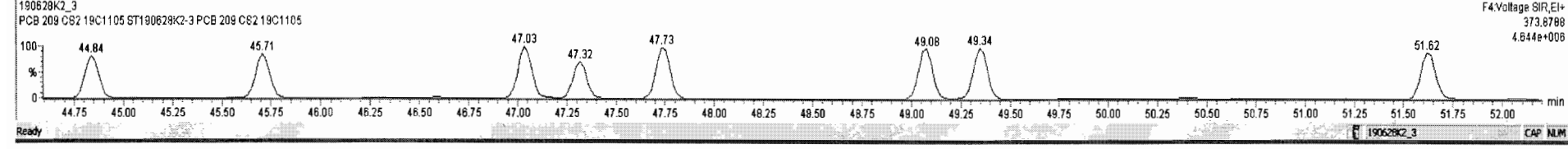
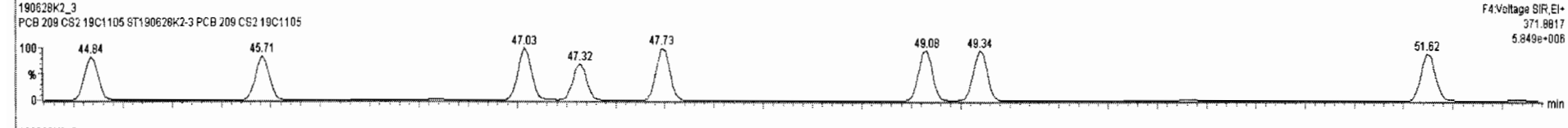
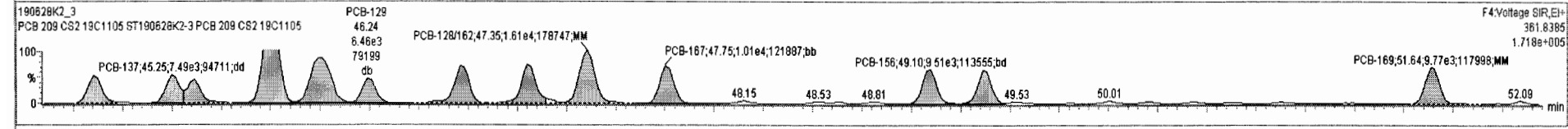
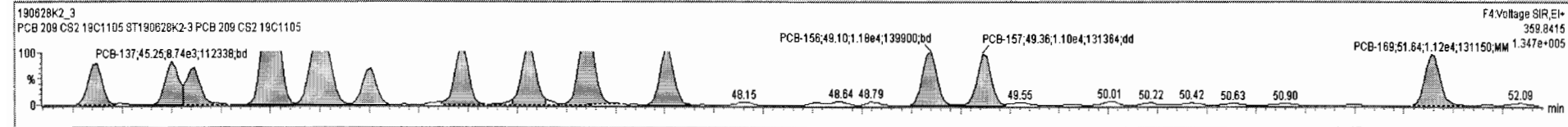
190628K2_3



190628K2_3 - ST190628K2-3.PCB.209.CS2.19C1105.PCB.209.CS2.19C1105

#	Name	Resp	RA	n/y	RRT	wVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	87.78		0.231	67.78
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	59.03		0.217	59.03
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	22.23		0.0851	22.23
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	7.464		0.0370	7.464
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	7.182		0.0277	7.182
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	2.376		0.00291	2.376
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														
243	243 Tetra-Isotopes				0.9949	1.000	0.00		1.000		NO	907.8		0.745	0.0000
244	244 3rd Function Penta-Isotopes				0.9098	1.000	0.00		0.000		NO	711.3		0.260	0.0000

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.96	42.96	1.633e4	1.330e4	1.240	1.27	NO	4.8218	4.8218
2	112 PCB-131/133	43.26	43.28	1.726e4	1.467e4	1.240	1.18	NO	4.7282	4.7282
3	113 PCB-142	43.45	43.43	8.306e3	6.659e3	1.240	1.25	NO	2.4728	2.4728
4	114 PCB-146/165	43.66	43.66	2.122e4	1.762e4	1.240	1.19	NO	4.7617	4.7617
5	115 PCB-132/161	43.91	43.91	2.224e4	1.797e4	1.240	1.24	NO	4.8287	4.8287
6	116 PCB-153	44.09	44.10	1.174e4	1.001e4	1.240	1.17	NO	2.5148	2.5148
7	117 PCB-168	44.30	44.32	1.111e4	9.523e3	1.240	1.17	NO	2.3685	2.3685



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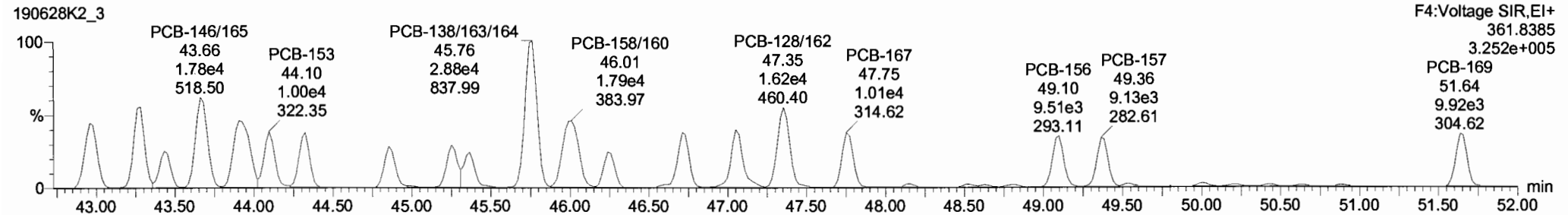
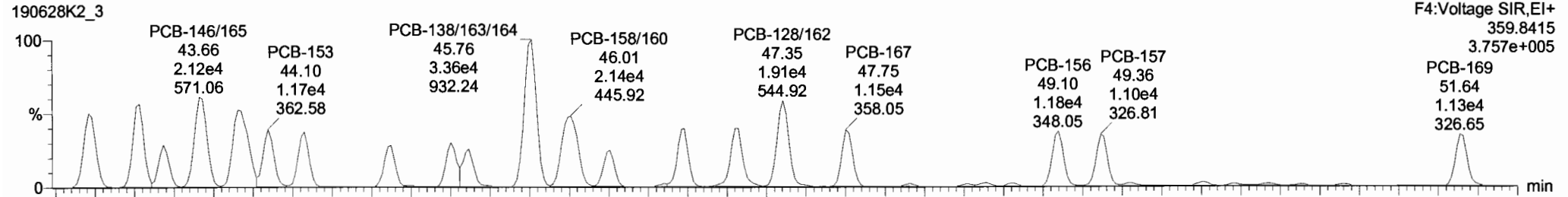
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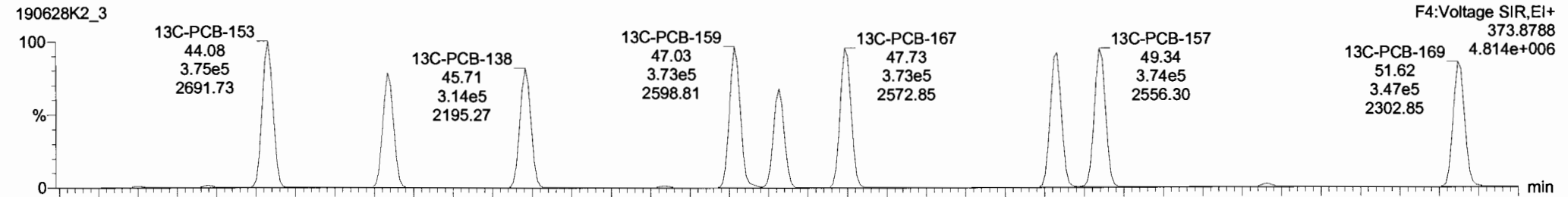
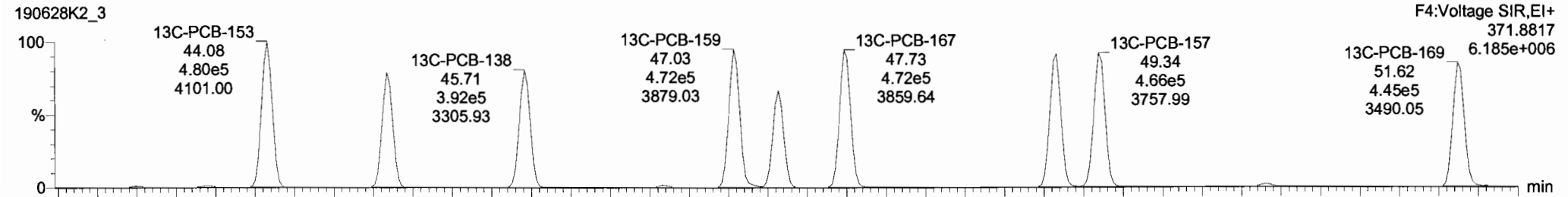
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Name: 190628K2_3, Date: 28-Jun-2019, Time: 18:36:12, ID: ST190628K2-3 PCB 209 CS2 19C1105, Description: PCB 209 CS2 19C1105

PCB-134/143



13C-PCB-153

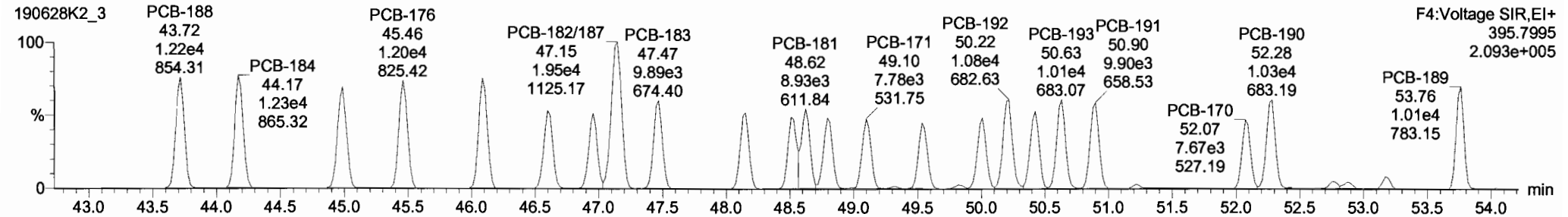
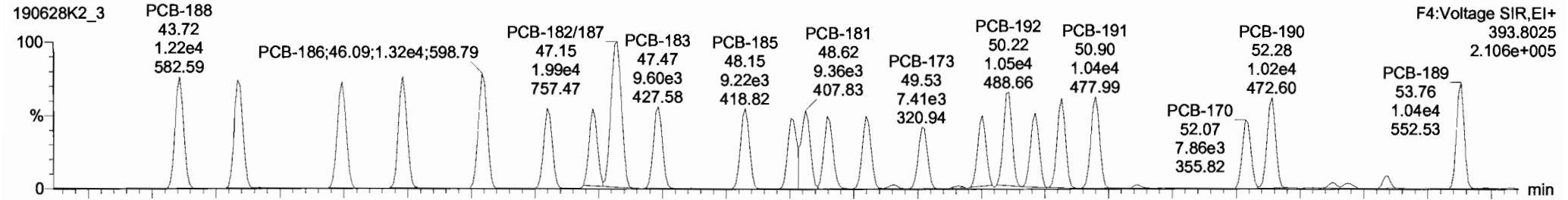


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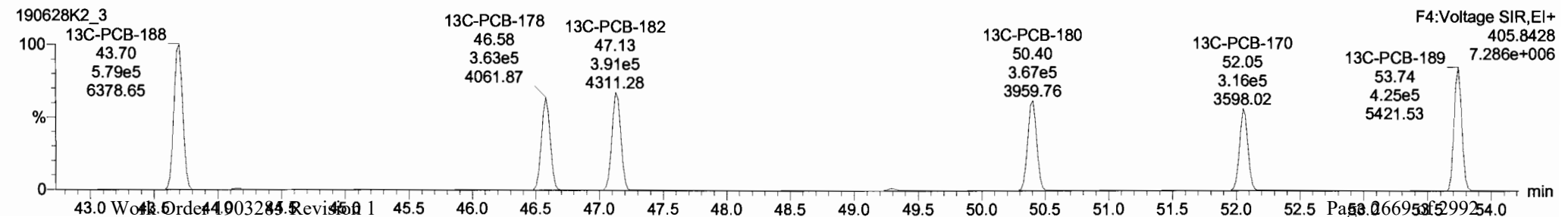
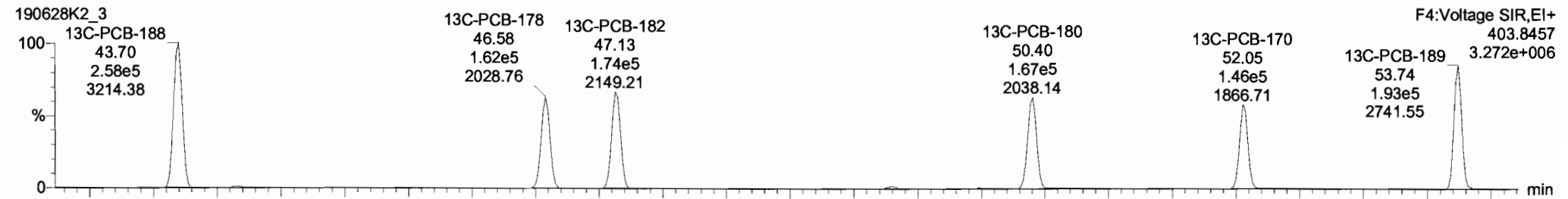
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PCB-188



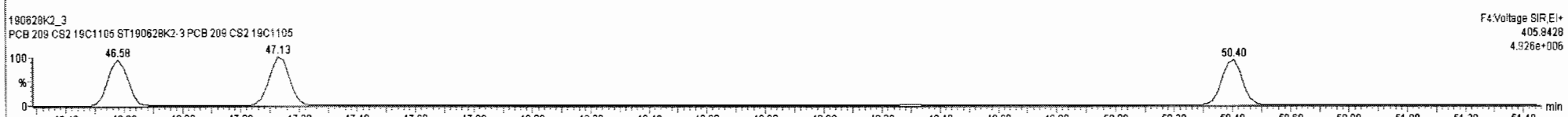
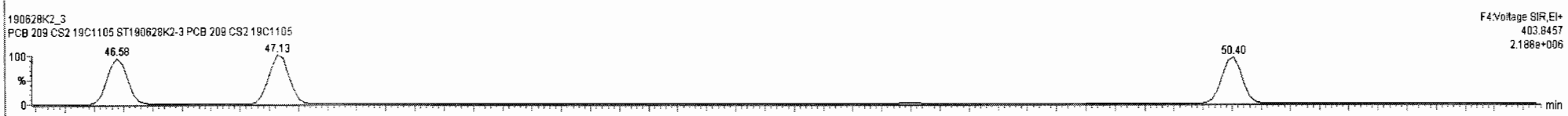
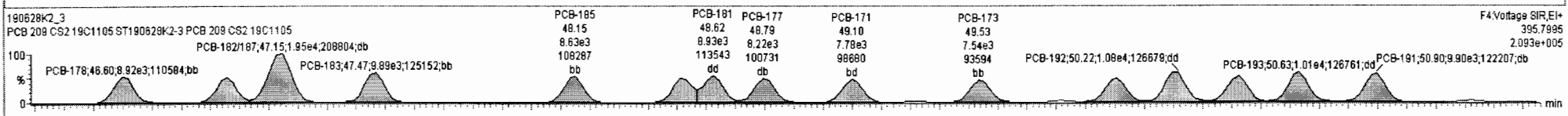
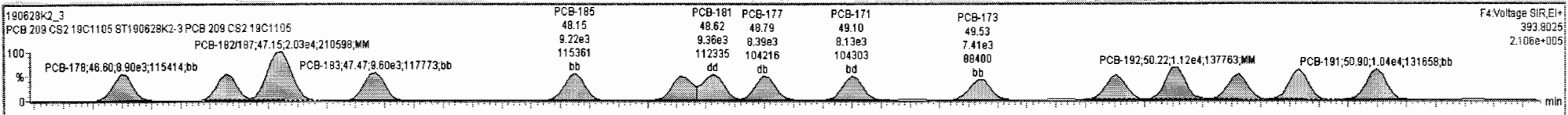
13C-PCB-188



190628K2_3 - ST190628K2-3-PCB 209 CS2 19C1105 - PCB 209 CS2 19C1105

#	Name	Resp	RA	rly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	67.78	0.331	67.78	
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	59.03	0.217	59.03	
234	234 4th Function Octa-PCBs				0.9863	1.000	0.00		0.000		NO	22.23	0.0651	22.23	
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	7.464	0.0370	7.464	
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	7.182	0.0277	7.182	
237	237 Deca-CB				0.9426	1.000	0.00		0.000		NO	2.376	0.00291	2.376	
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														
241	241 2nd Function Tri-Isotopes														
242	242 3rd Function Tri-Isotopes														
243	243 Tetra-Isotopes				0.9849	1.000	0.00		1.000		NO	907.8	0.745	0.0000	
244	244 3rd Function Penta-Isotopes				0.9098	1.000	0.00		0.000		NO	711.3	0.260	0.0000	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	rly	EMPC	Conc.
1	131 PCB-188	43.74	43.72	1.224e4	1.219e4	1.050	1.00	NO	2.4480	2.4480
2	132 PCB-184	44.19	44.17	1.230e4	1.225e4	1.050	1.00	NO	2.5166	2.5166
3	133 PCB-179	44.98	44.99	1.222e4	1.170e4	1.050	1.04	NO	2.4325	2.4325
4	134 PCB-176	45.47	45.46	1.234e4	1.204e4	1.050	1.03	NO	2.5151	2.5151
5	135 PCB-186	46.09	46.08	1.322e4	1.222e4	1.050	1.08	NO	2.4972	2.4972
6	136 PCB-178	46.61	46.60	8.896e3	8.916e3	1.050	1.00	NO	2.5649	2.5649
7	137 PCB-175	46.97	46.96	8.910e3	8.290e3	1.050	1.08	NO	2.4250	2.4250



Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

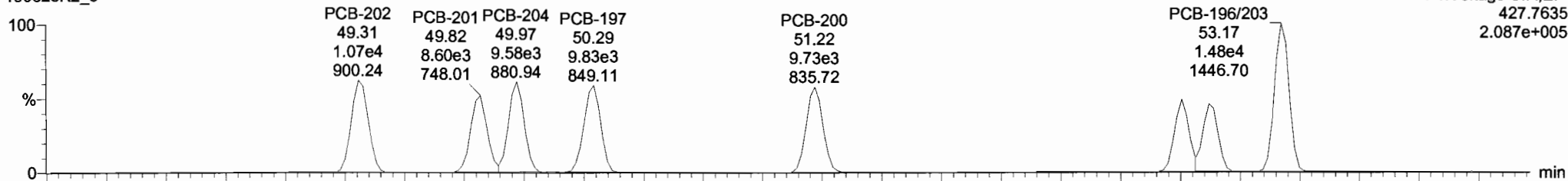
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PCB-202

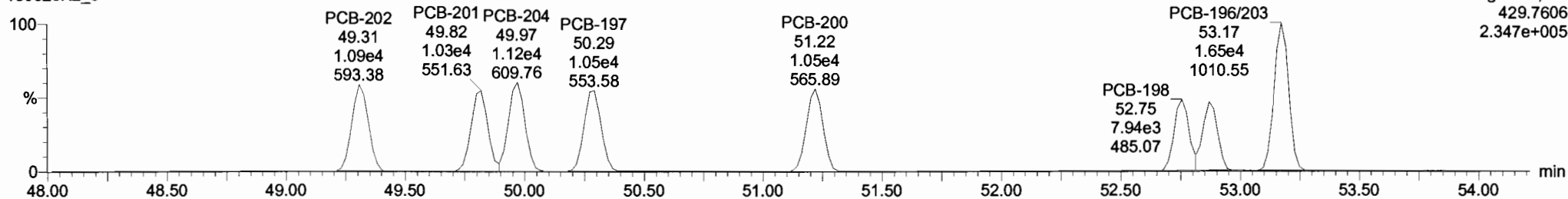
190628K2_3

F4:Voltage SIR,EI+
427.7635
2.087e+005



190628K2_3

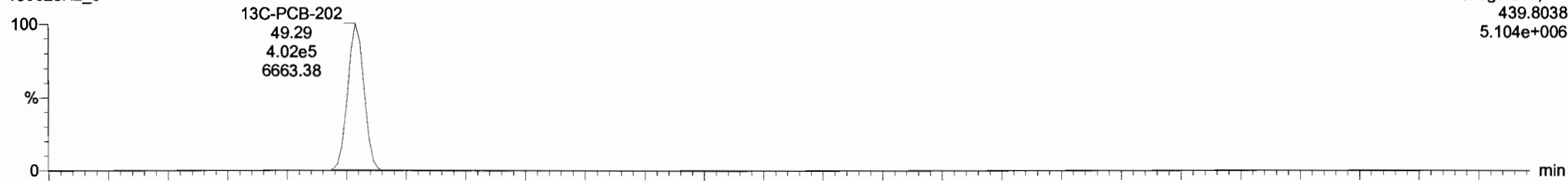
F4:Voltage SIR,EI+
429.7606
2.347e+005



13C-PCB-202

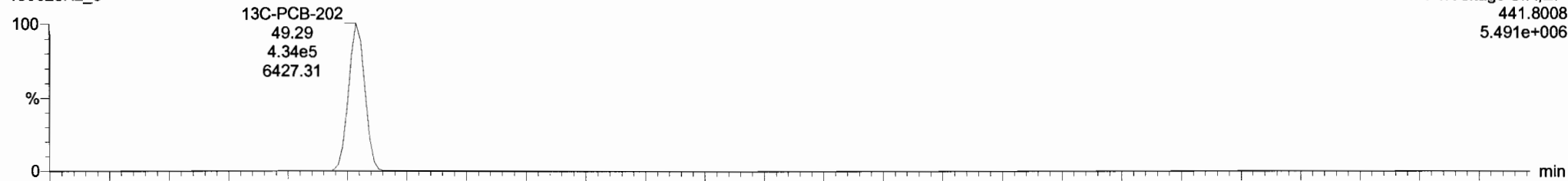
190628K2_3

F4:Voltage SIR,EI+
439.8038
5.104e+006



190628K2_3

F4:Voltage SIR,EI+
441.8008
5.491e+006

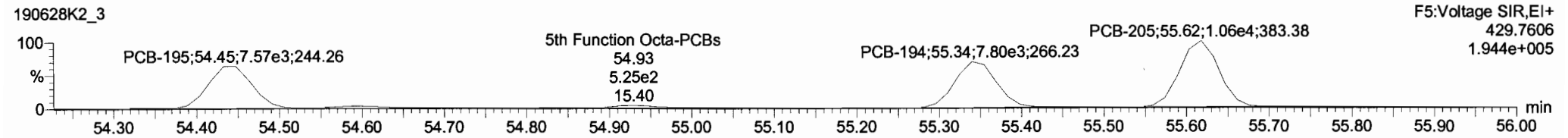
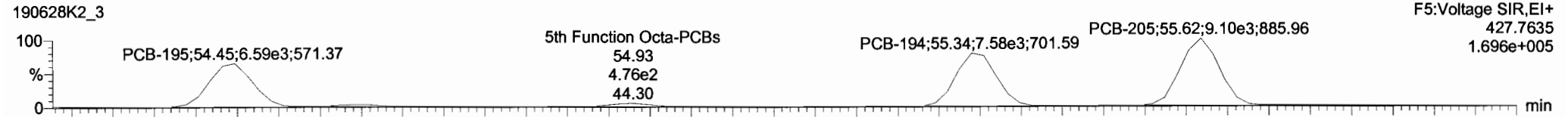


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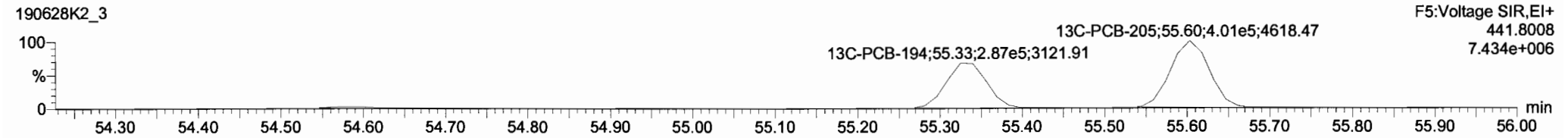
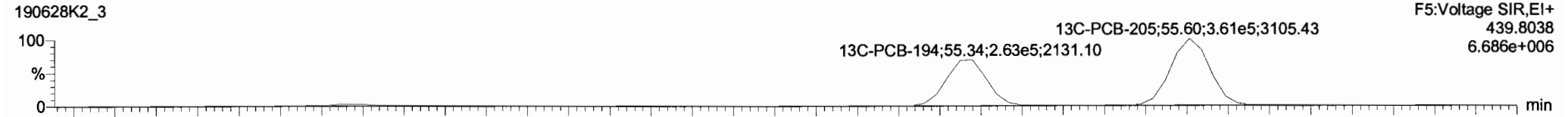
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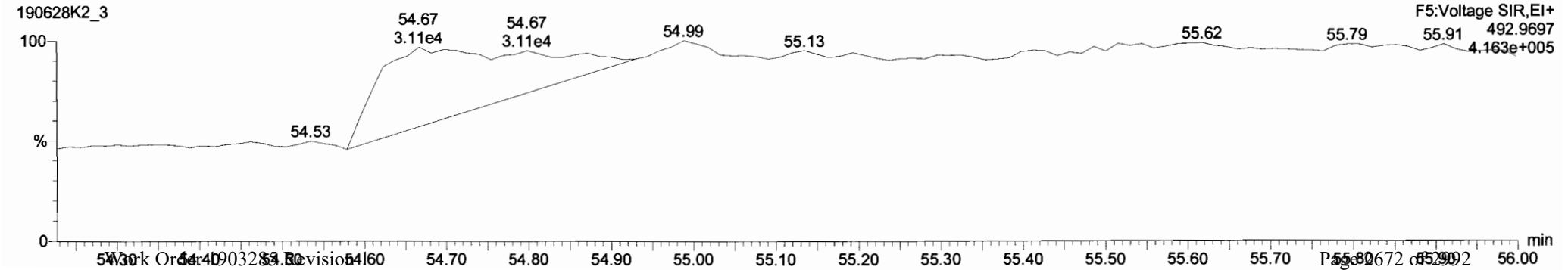
PCB-195



13C-PCB-194



PFK5

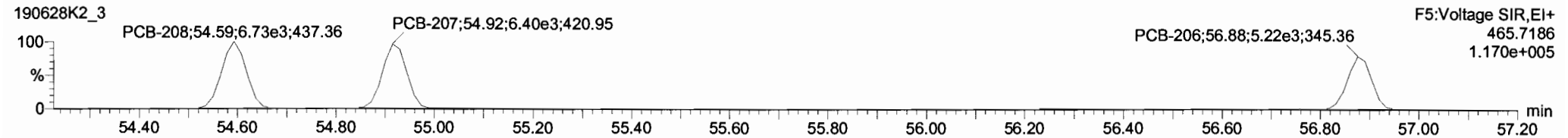
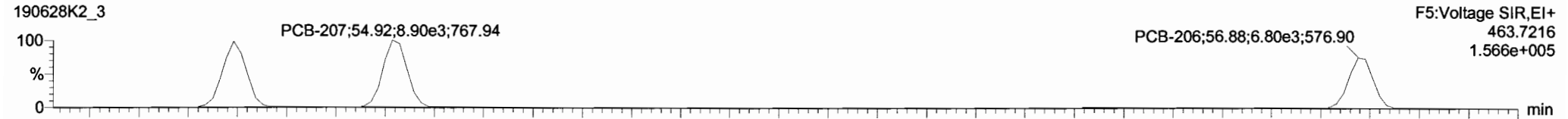


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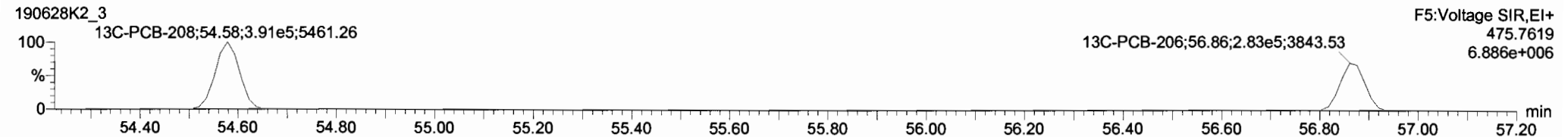
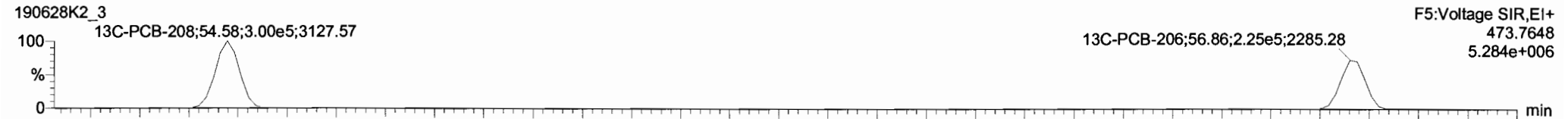
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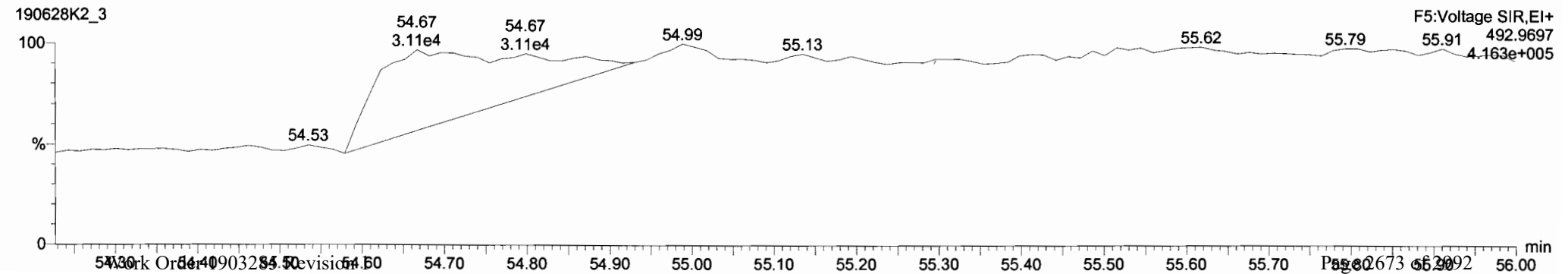
PCB-208



13C-PCB-208



PFK5



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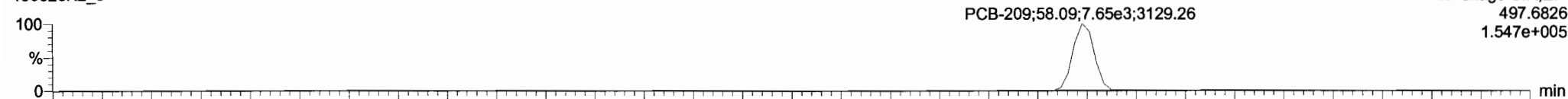
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PCB-209

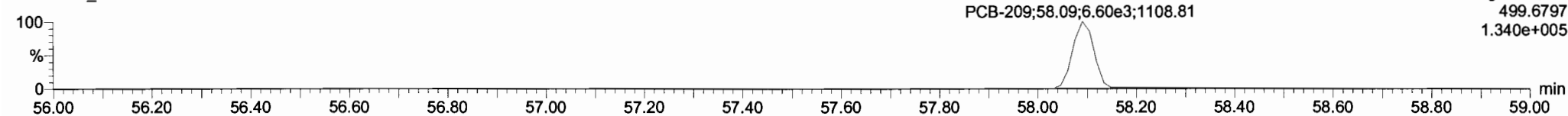
190628K2_3

F5:Voltage SIR,EI+
497.6826
1.547e+005



190628K2_3

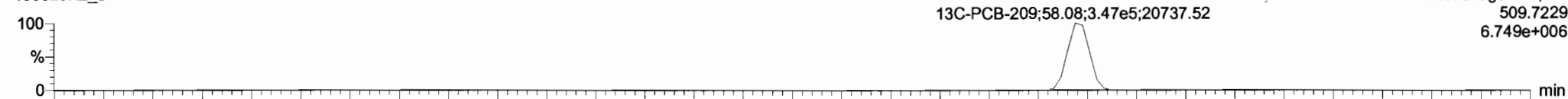
F5:Voltage SIR,EI+
499.6797
1.340e+005



13C-PCB-209

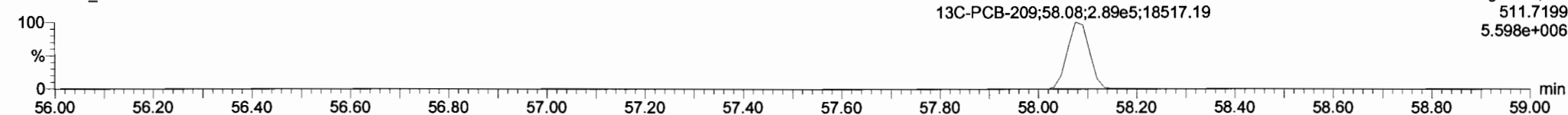
190628K2_3

F5:Voltage SIR,EI+
509.7229
6.749e+006



190628K2_3

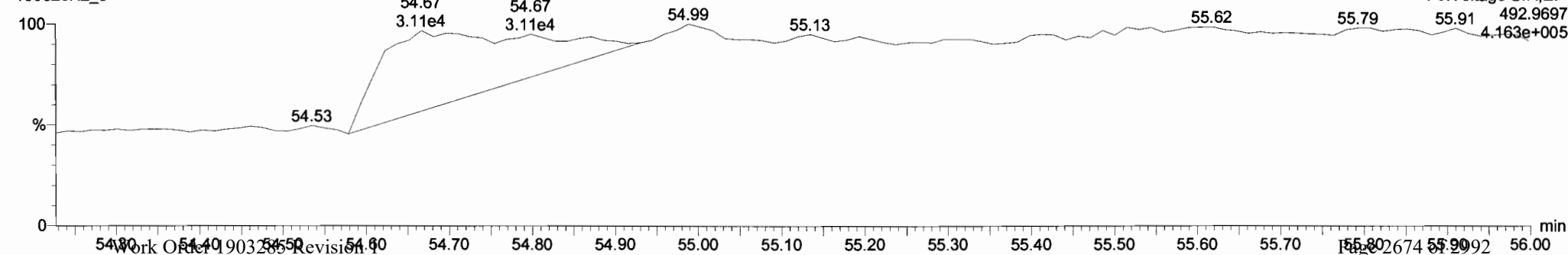
F5:Voltage SIR,EI+
511.7199
5.598e+006



PFK5

190628K2_3

F5:Voltage SIR,EI+
492.9697
4.163e+005



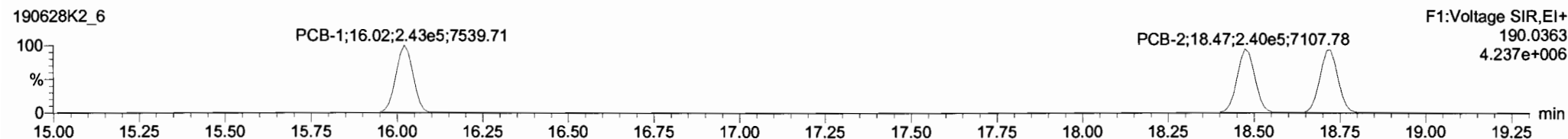
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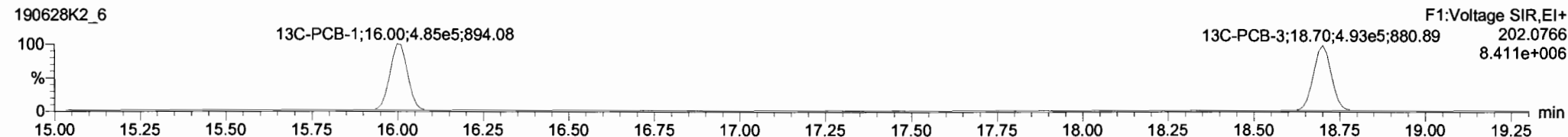
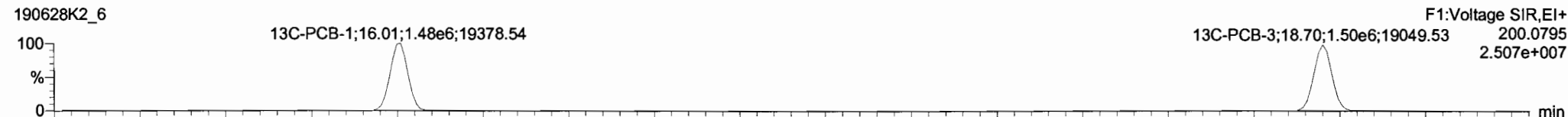
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

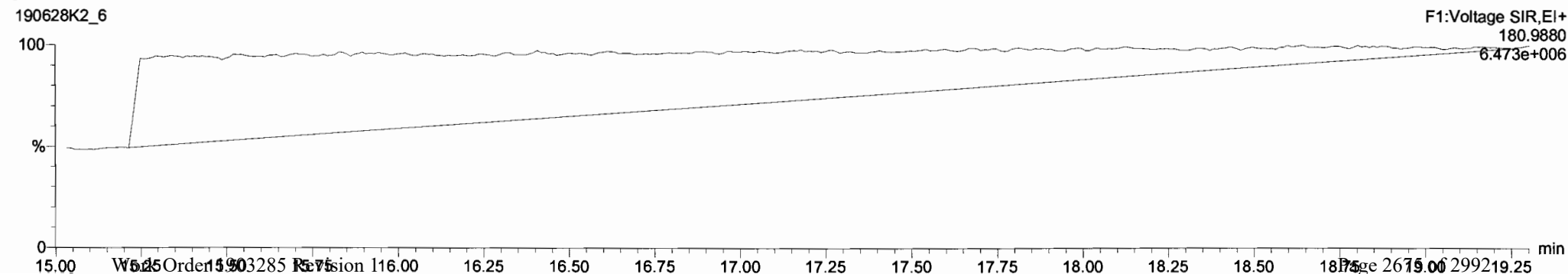
PCB-1



13C-PCB-1



PFK1

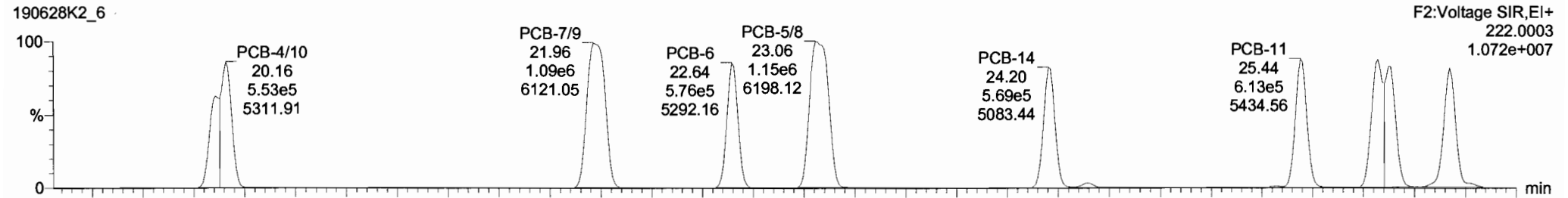


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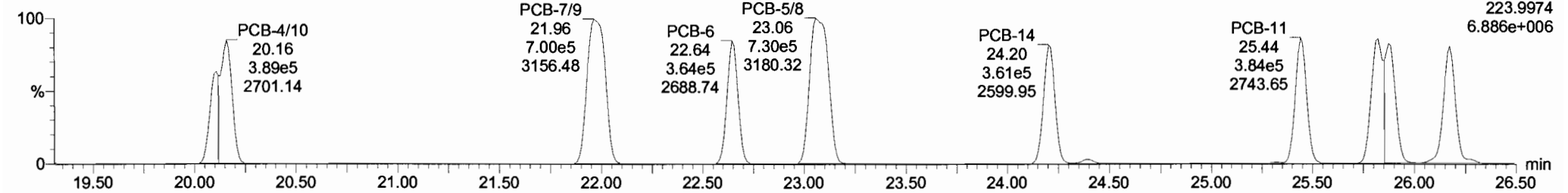
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

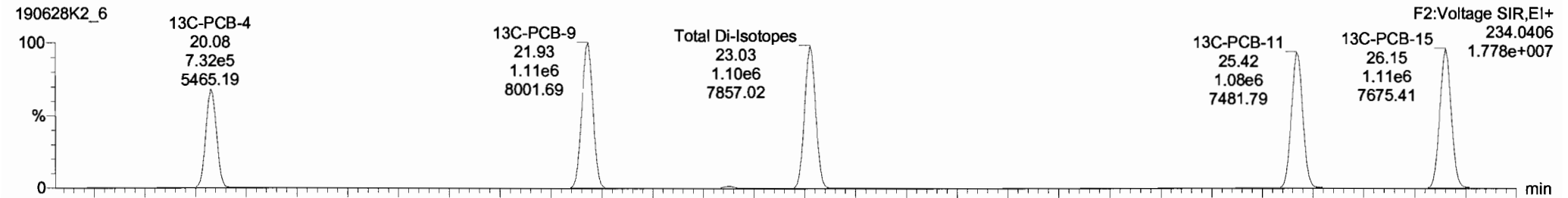
PCB-4/10



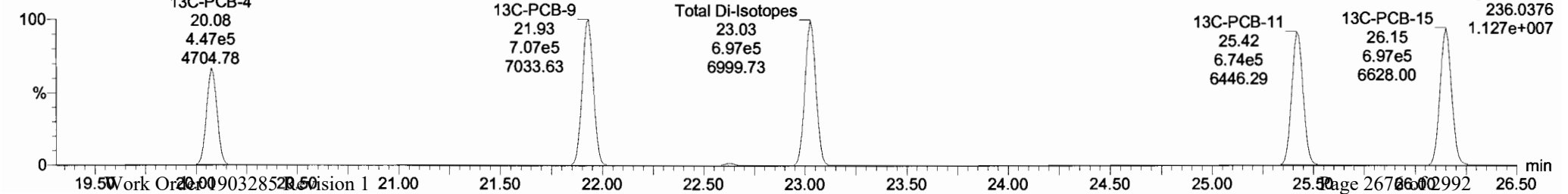
190628K2_6



13C-PCB-4

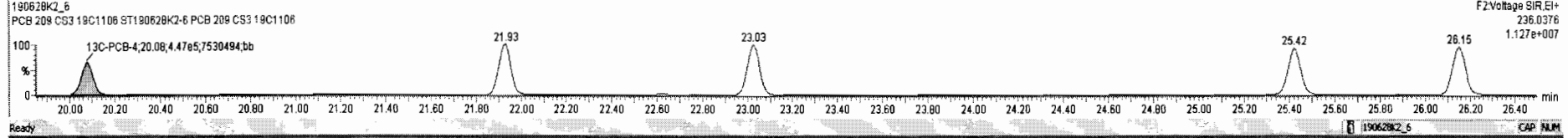
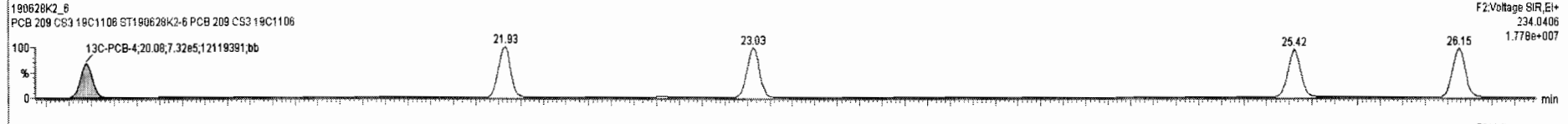
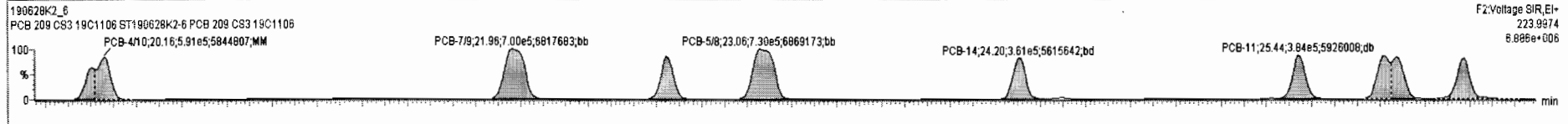
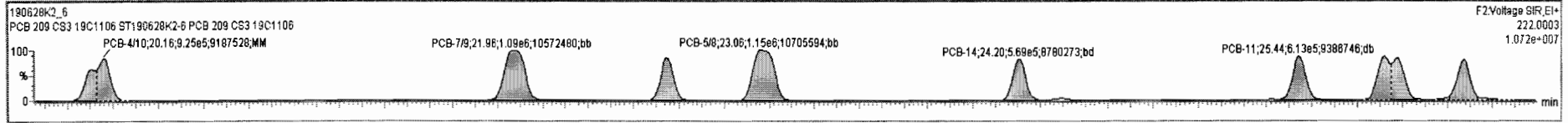


190628K2_6



#	Name	Resp	RA	n/y	RRF	wVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
223	223 13C-PCB-178	5.66e5	0.46	NO	0.9749	1.000	46.58	46.56	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	611.1		0.222	611.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2149		0.998	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	256.8		0.173	256.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	705.2		0.281	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1229		0.858	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	451.8		0.214	451.8
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	150.1		0.0889	150.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/0	20.16	20.16	9.252e5	5.913e5	1.560	1.57	NO	100.88	100.88
2	5 PCB-7/8	21.99	21.96	1.090e6	7.004e5	1.560	1.56	NO	100.81	100.81
3	6 PCB-8	22.64	22.84	5.755e5	3.640e5	1.560	1.58	NO	50.777	50.777
4	7 PCB-5/8	23.06	23.06	1.148e6	7.301e5	1.560	1.57	NO	102.09	102.09
5	8 PCB-14	24.21	24.20	5.685e5	3.811e5	1.560	1.57	NO	51.341	51.341
6	9 PCB-11	25.44	25.44	6.133e5	3.836e5	1.560	1.80	NO	51.879	51.879
7	10 PCB-12/3	25.81	25.82	1.131e6	7.197e5	1.560	1.57	NO	101.81	101.81



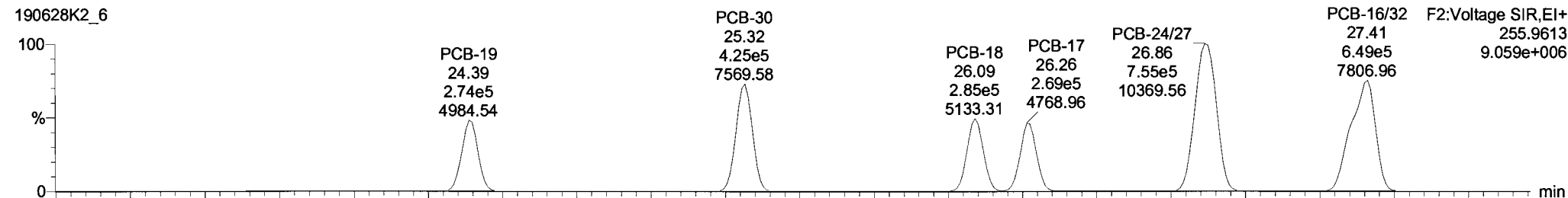
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

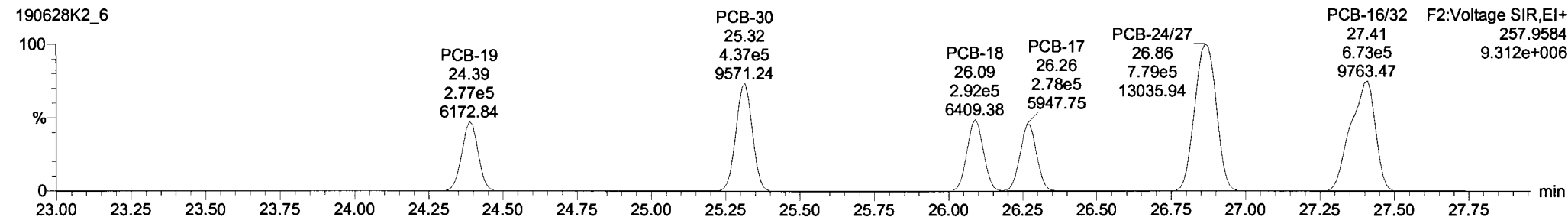
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PCB-19

190628K2_6

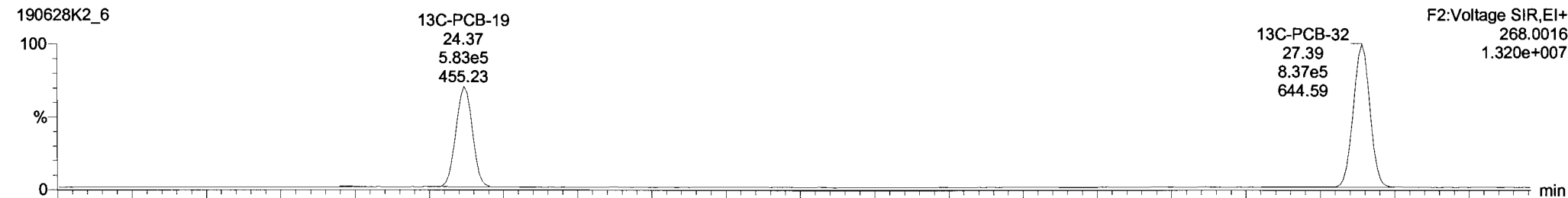


190628K2_6

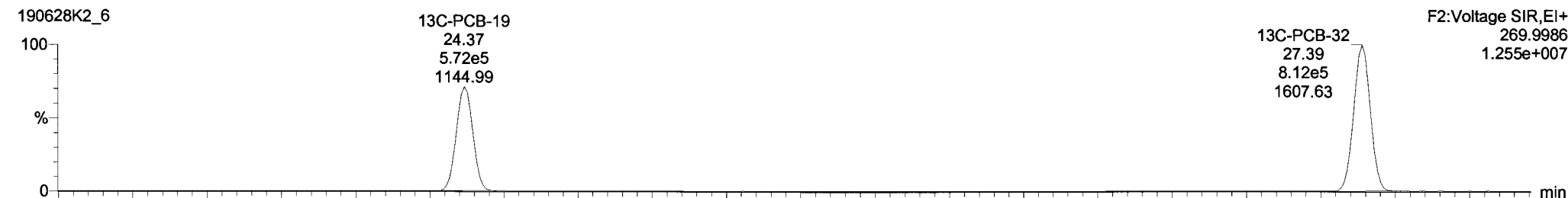


13C-PCB-19

190628K2_6



190628K2_6



Vista Analytical Laboratory VG-11

Dataset: Untitled

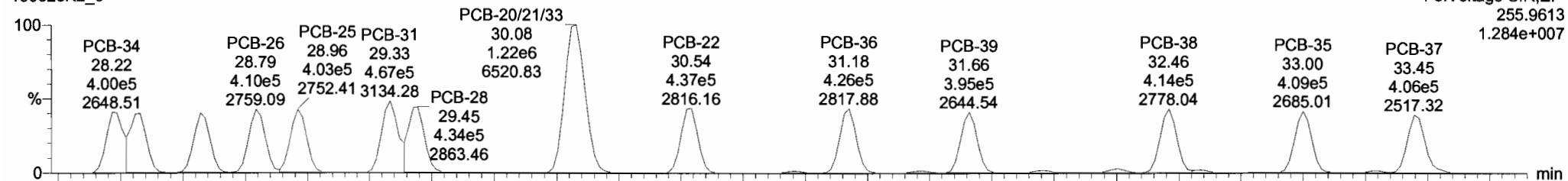
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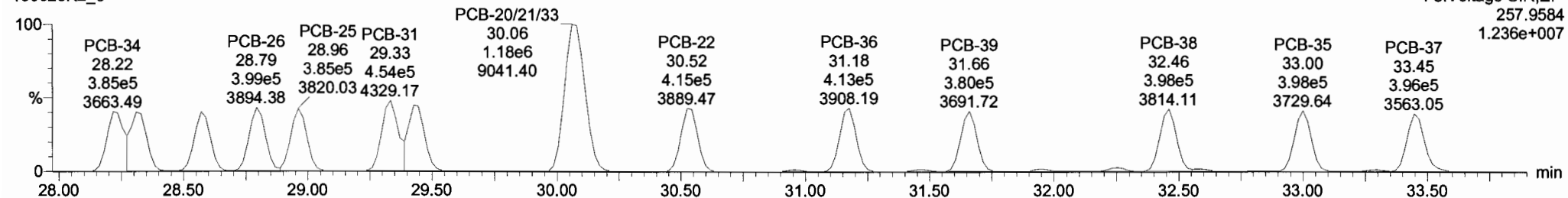
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PCB-34

190628K2_6

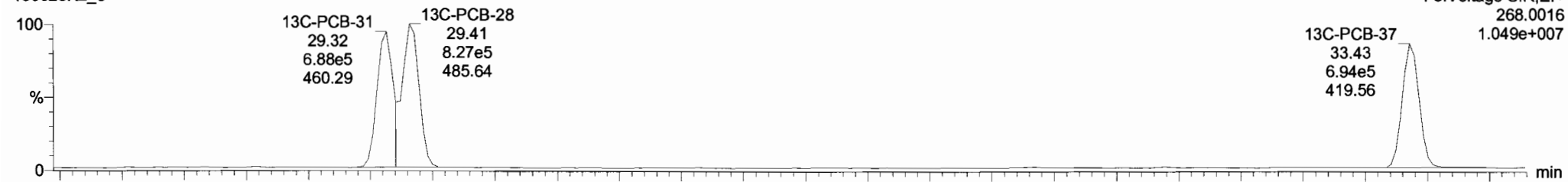


190628K2_6

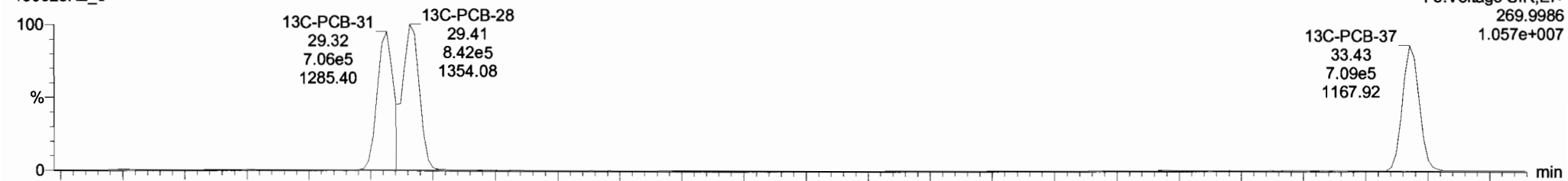


13C-PCB-28

190628K2_6



190628K2_6

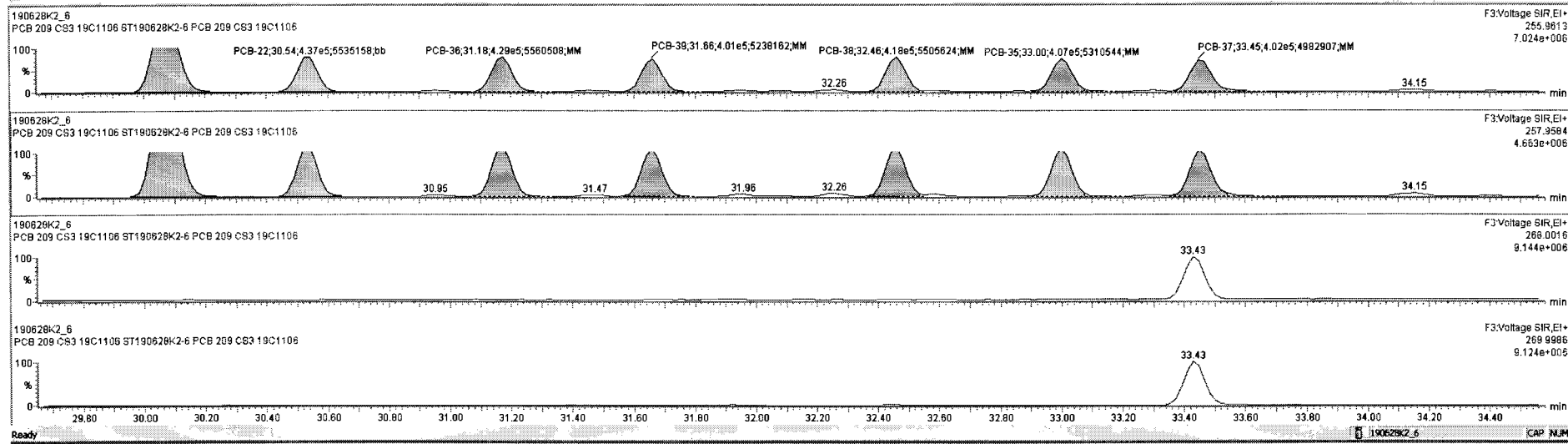


TargetLynx - 190628K2_CRY.qld - [Chromatogram]

190628K2_6 - ST190628K2-6 PCB 209 CS3 19C 1106 - PCB 209 CS3 19C 1106

#	Name	Resp	RA	nY	RRF	wt/Avl	Prod.RT	RT	Prod.R	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	5.66e5	0.46	NO	0.9749	1.000	46.58	46.56	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0722	1.000	0.00	0.000			NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	611.1		0.222	611.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.000			NO	2149		0.998	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	256.8		0.173	256.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	705.2		0.281	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000			NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.000			NO	1229		0.858	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.000			NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00	0.000			NO	150.1		0.0869	150.1

#	Name	Prod.RT	RT	m1 Resp	m2 Resp	*% Ratio (Prod)	RA	nY	EMPC	Conc
1	18 PCB-34	28.22	28.22	3.908e5	3.849e5	1.040	1.04	NO	47.599	47.599
2	19 PCB-23	28.31	28.33	3.968e5	3.761e5	1.040	1.05	NO	47.531	47.532
3	20 PCB-29	28.57	28.57	3.633e5	3.697e5	1.040	1.04	NO	47.318	47.317
4	21 PCB-26	28.79	28.79	4.103e5	3.989e5	1.040	1.03	NO	48.430	48.430
5	22 PCB-25	28.96	28.96	4.032e5	3.855e5	1.040	1.05	NO	48.314	48.314
6	23 PCB-31	29.31	29.33	4.671e5	4.538e5	1.040	1.03	NO	49.119	49.119
7	24 PCB-28	29.43	29.44	4.343e5	4.216e5	1.040	1.03	NO	46.367	46.367

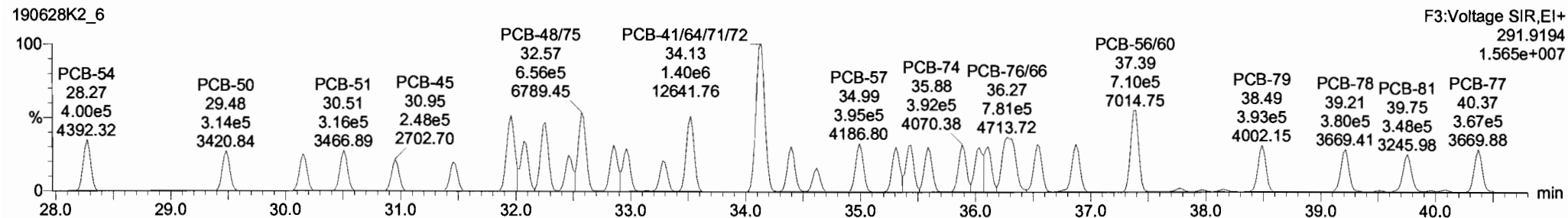
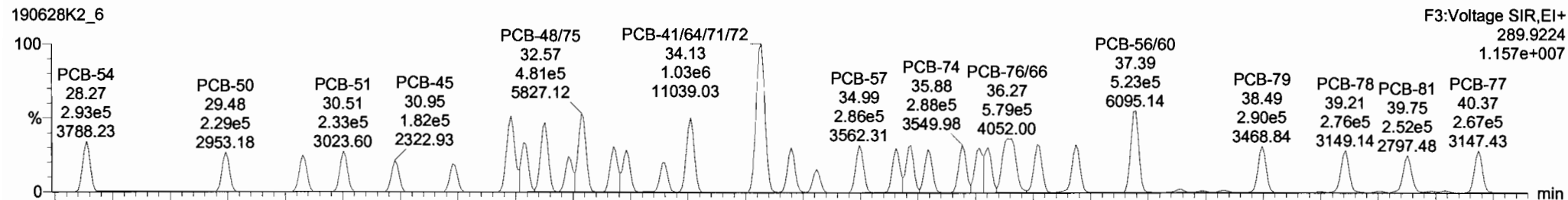


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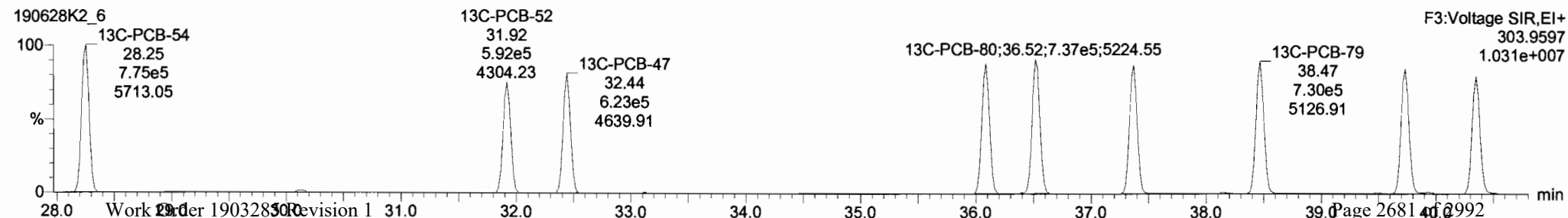
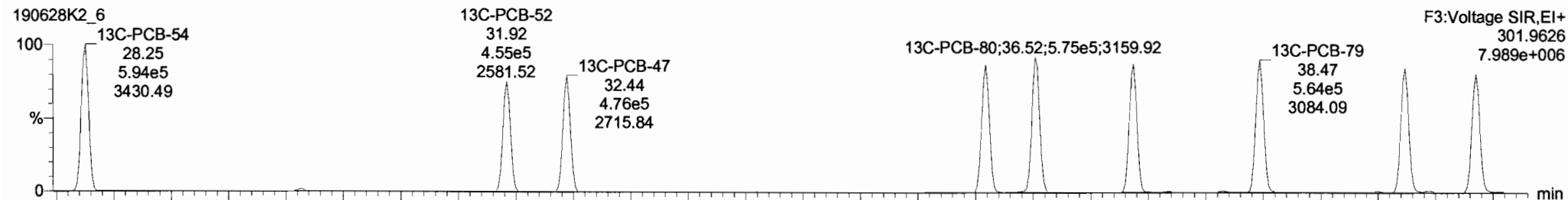
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-54



13C-PCB-54

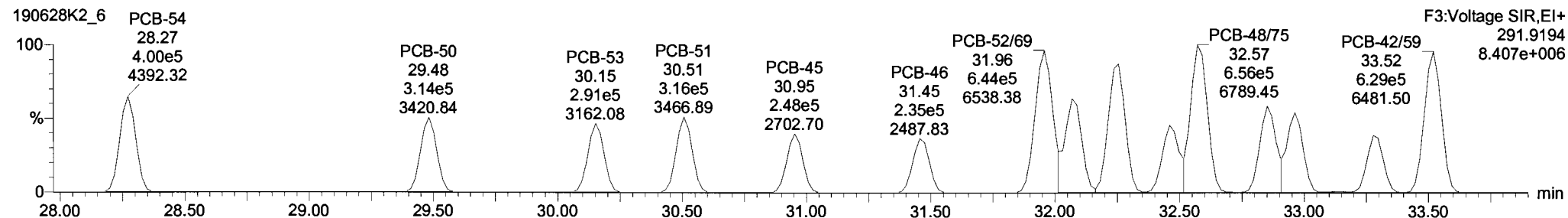
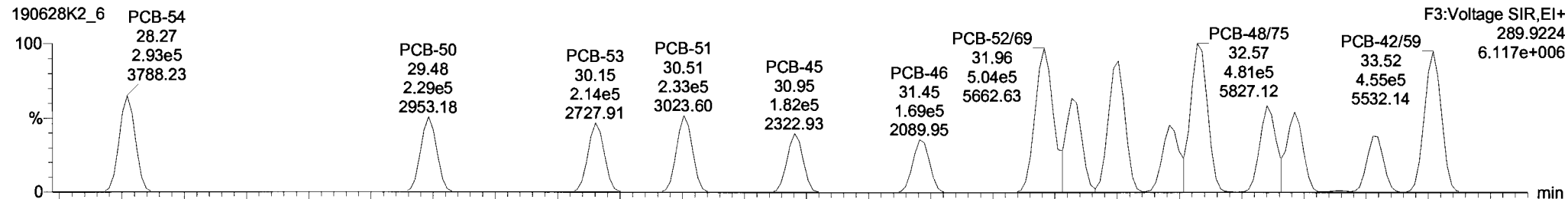


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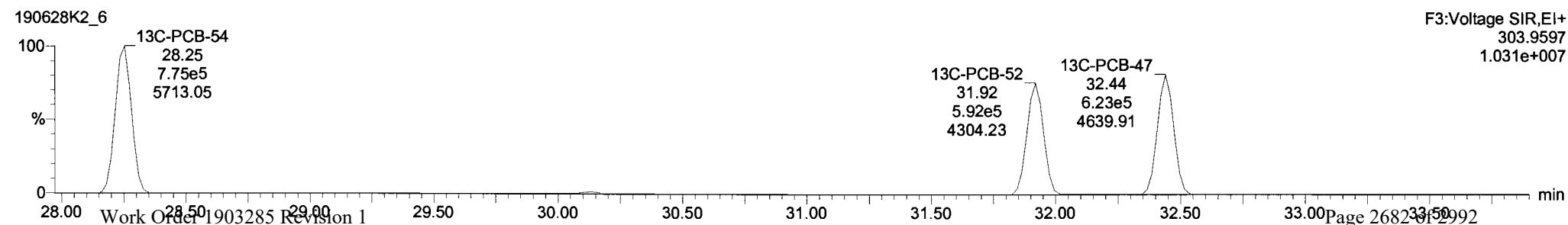
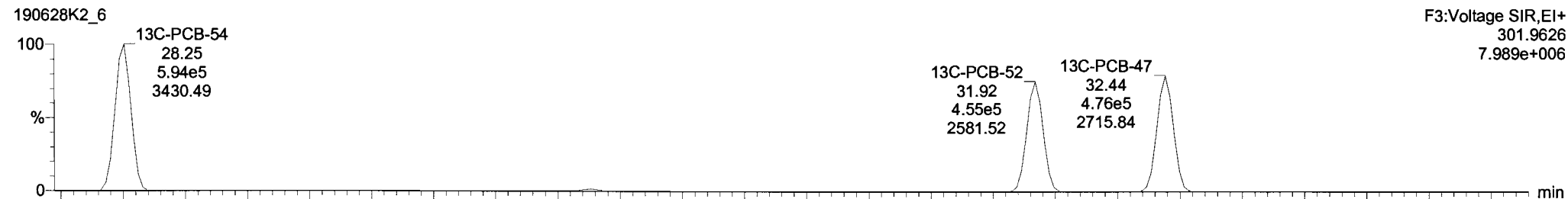
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-50



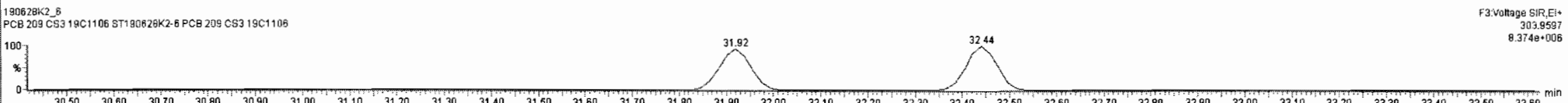
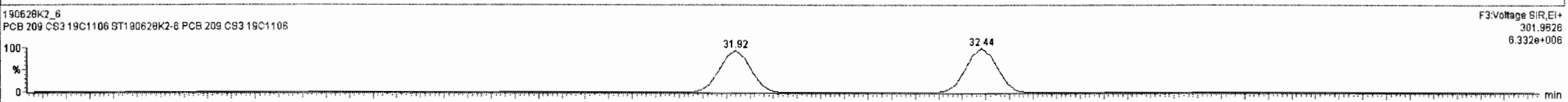
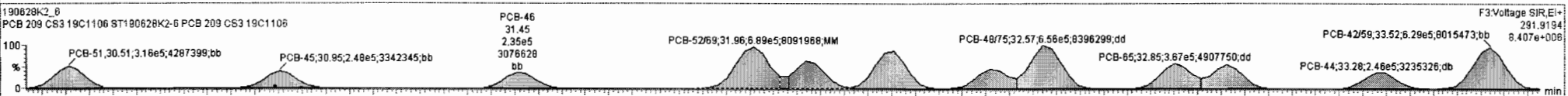
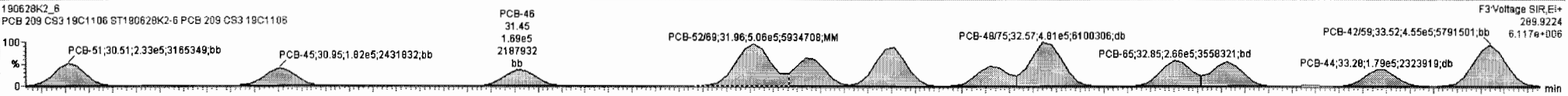
13C-PCB-52



190628K2_6 - ST190628K2-6 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT.Fail	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	5.66e5	0.46	NO	0.9749	1.000	46.58	46.56	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	151.1		0.0281	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	611.1		0.222	611.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.8861	1.000	0.00		0.000		NO	2149		0.998	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	256.8		0.173	256.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	705.2		0.281	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1229		0.858	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	150.1		0.0869	150.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	28.27	28.27	2.928e5	3.999e5	0.770	0.73	NO	50.838	50.837
2	33 PCB-50	29.49	29.48	2.292e5	3.141e5	0.770	0.73	NO	50.822	50.822
3	34 PCB-53	30.16	30.15	2.143e5	2.907e5	0.770	0.74	NO	50.527	50.528
4	35 PCB-51	30.52	30.51	2.330e5	3.160e5	0.770	0.74	NO	51.248	51.248
5	36 PCB-45	30.96	30.95	1.820e5	2.481e5	0.770	0.73	NO	50.871	50.870
6	37 PCB-46	31.45	31.45	1.695e5	2.355e5	0.770	0.72	NO	51.351	51.351
7	38 PCB-52/69	31.96	31.96	5.057e5	6.892e5	0.770	0.73	NO	104.58	104.58



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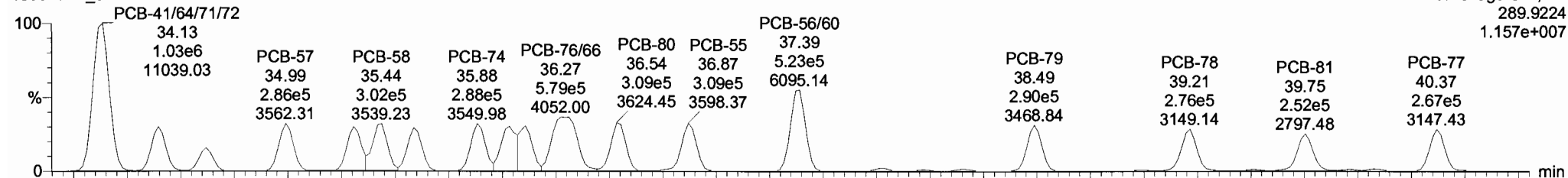
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

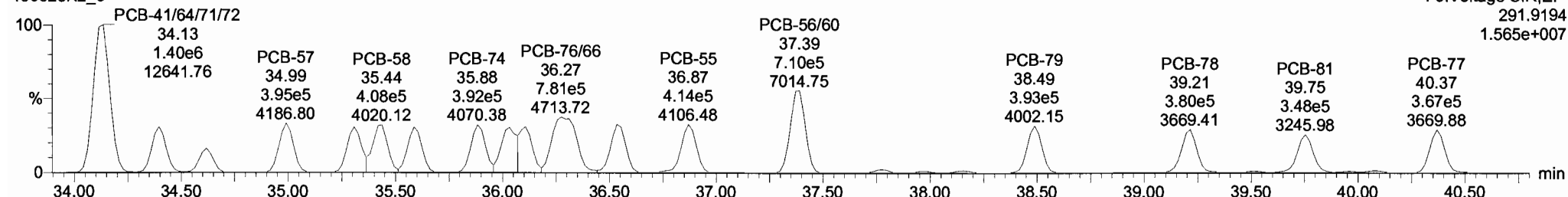
PCB-68

190628K2_6



F3:Voltage SIR,EI+
289.9224
1.157e+007

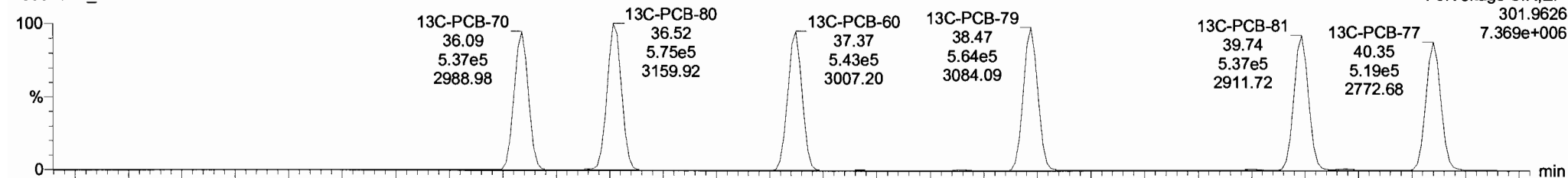
190628K2_6



F3:Voltage SIR,EI+
291.9194
1.565e+007

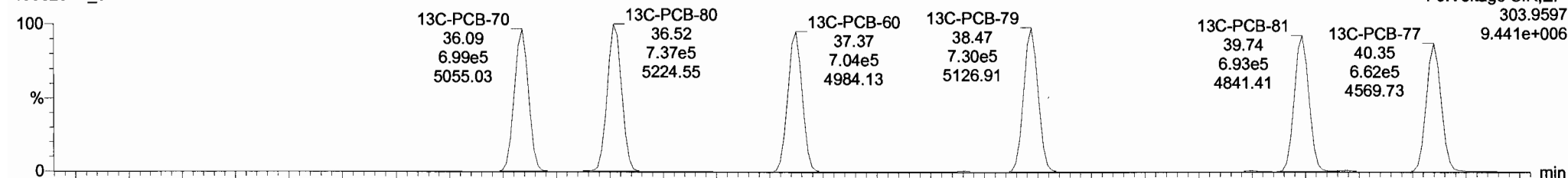
13C-PCB-60

190628K2_6



F3:Voltage SIR,EI+
301.9626
7.369e+006

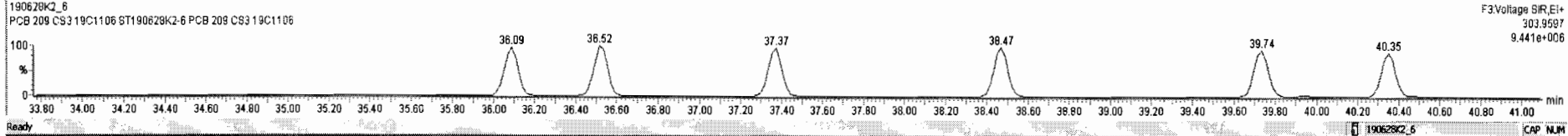
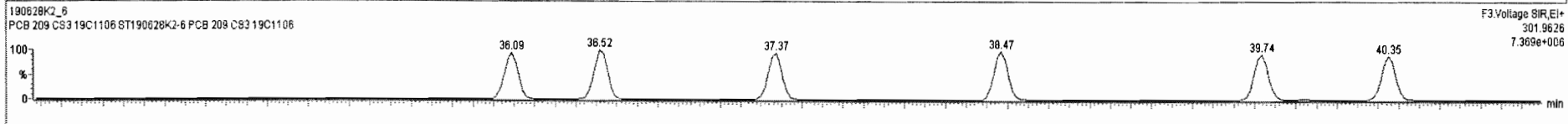
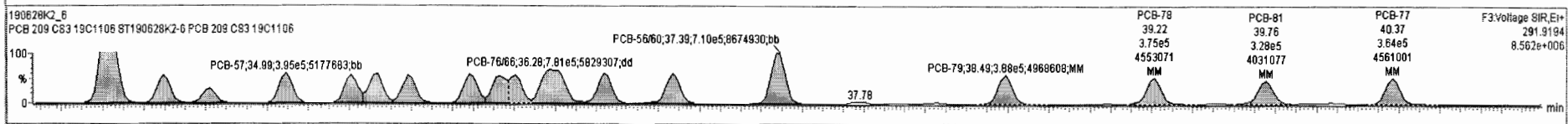
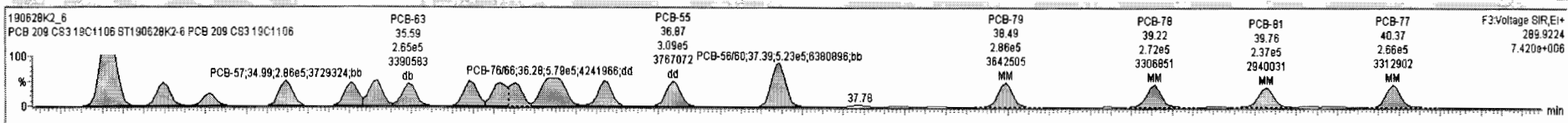
190628K2_6



F3:Voltage SIR,EI+
303.9597
9.441e+006

#	Name	Resp	RA	n/y	RF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	5.68e5	0.46	NO	0.9749	1.000	46.58	46.56	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	811.1		0.222	811.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	404.6		0.0987	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2149		0.998	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	258.8		0.173	258.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	705.2		0.281	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1229		0.858	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	150.1		0.0869	150.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	28.27	28.27	2.928e5	3.999e5	0.770	0.73	NO	50.838	50.837
2	33 PCB-50	29.49	29.48	2.282e5	3.141e5	0.770	0.73	NO	50.822	50.822
3	34 PCB-53	30.16	30.15	2.143e5	2.907e5	0.770	0.74	NO	50.527	50.528
4	35 PCB-51	30.52	30.51	2.300e5	3.160e5	0.770	0.74	NO	51.248	51.248
5	36 PCB-45	30.98	30.95	1.820e5	2.481e5	0.770	0.73	NO	50.871	50.870
6	37 PCB-46	31.45	31.45	1.695e5	2.355e5	0.770	0.72	NO	51.351	51.351
7	38 PCB-52/69	31.96	31.96	5.057e5	6.892e5	0.770	0.73	NO	104.58	104.58



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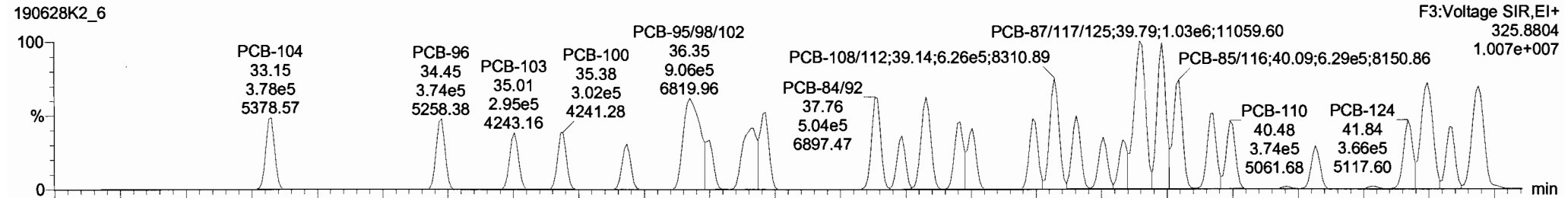
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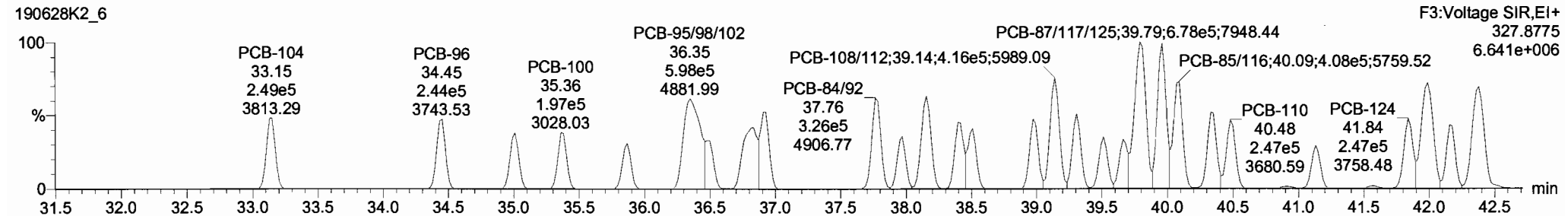
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PCB-104

190628K2_6

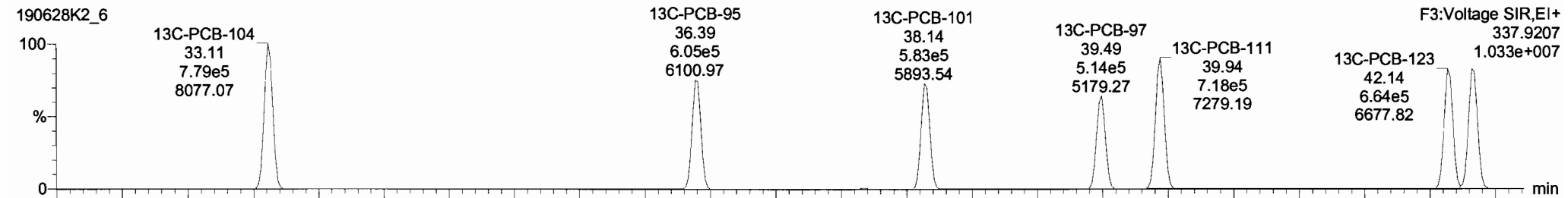


190628K2_6

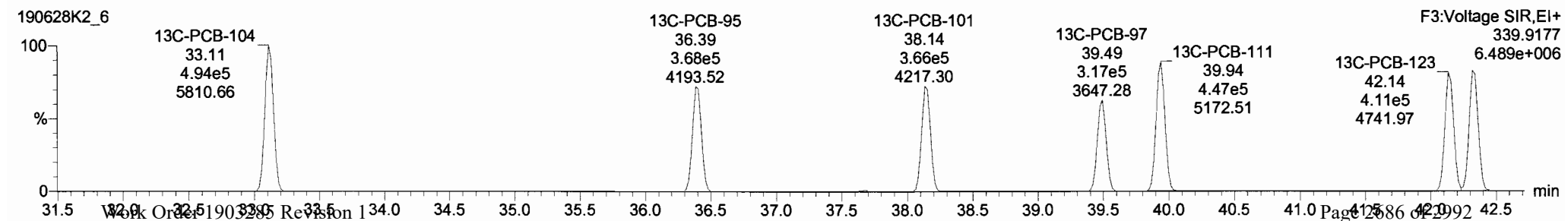


13C-PCB-104

190628K2_6

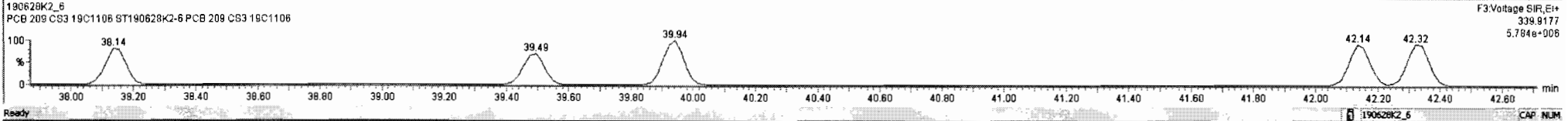
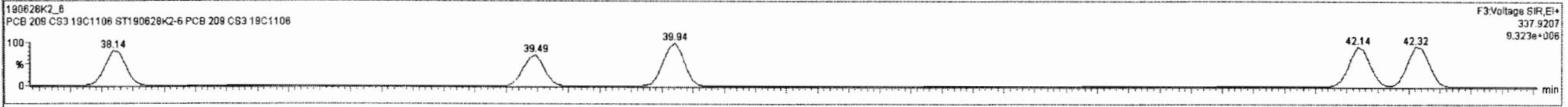
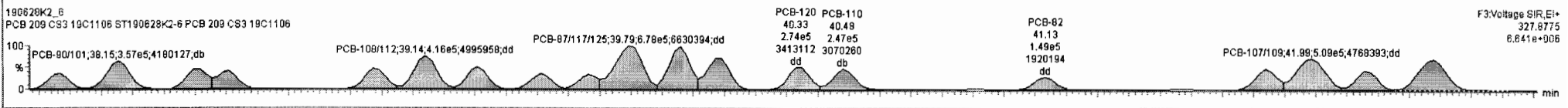
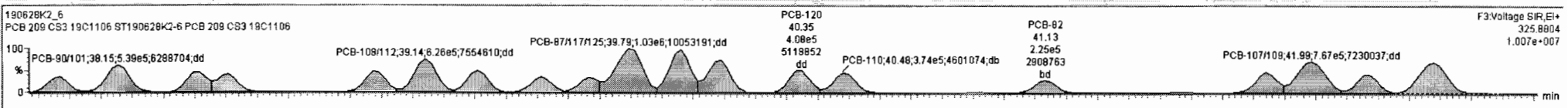


190628K2_6



#	Name	Resp	RA	n/N	RFI	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-17B	5.56e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	611.1		0.222	611.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2149		0.998	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	256.8		0.173	256.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	705.2		0.261	705.2
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1229		0.858	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	150.1		0.0869	150.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/N	EMPC	Conc
1	64 PCB-104	33.13	33.15	3.781e5	2.491e5	1.560	1.52	NO	49.515	49.514
2	65 PCB-96	34.45	34.45	3.730e5	2.445e5	1.560	1.53	NO	48.755	48.755
3	66 PCB-103	35.01	35.01	2.950e5	1.926e5	1.560	1.53	NO	49.443	49.443
4	67 PCB-100	35.38	35.38	3.019e5	1.968e5	1.560	1.53	NO	50.359	50.359
5	68 PCB-94	35.87	35.87	2.342e5	1.553e5	1.560	1.51	NO	51.739	51.739
6	69 PCB-95/98/102	36.36	36.35	9.063e5	5.984e5	1.560	1.51	NO	152.36	152.36
7	70 PCB-93	36.49	36.50	2.414e5	1.584e5	1.560	1.54	NO	48.600	48.600



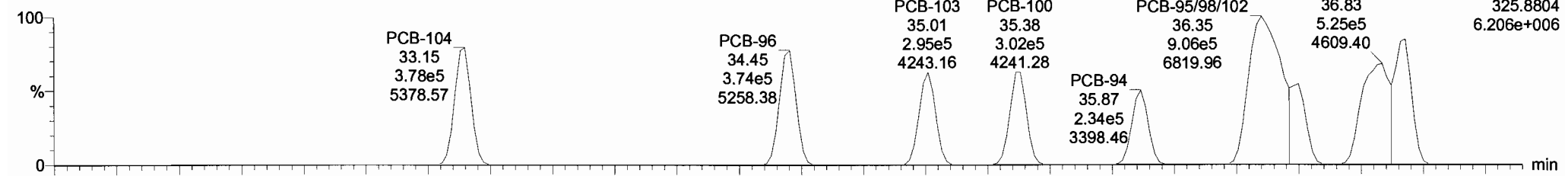
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

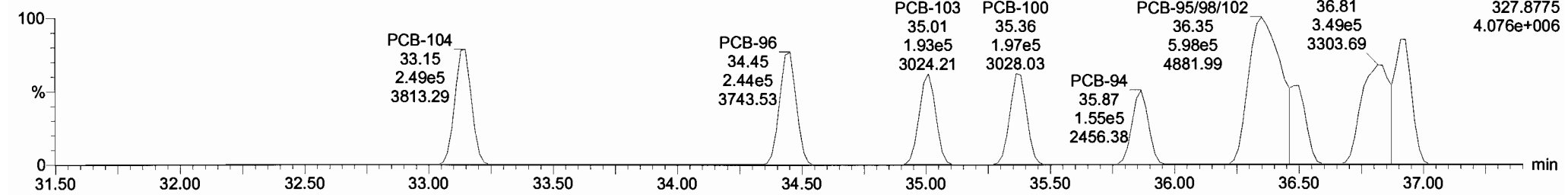
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PCB-96

190628K2_6

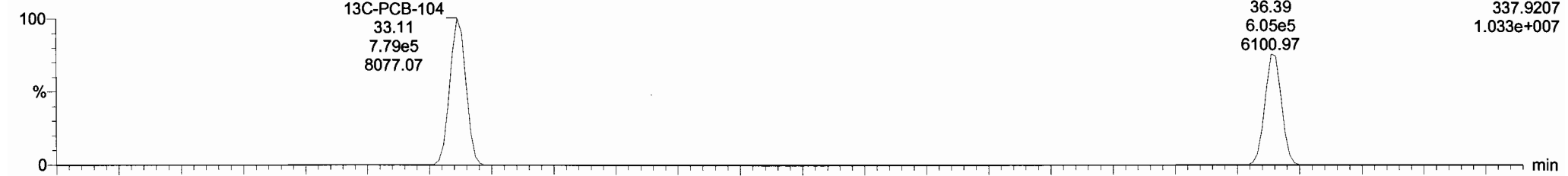


190628K2_6

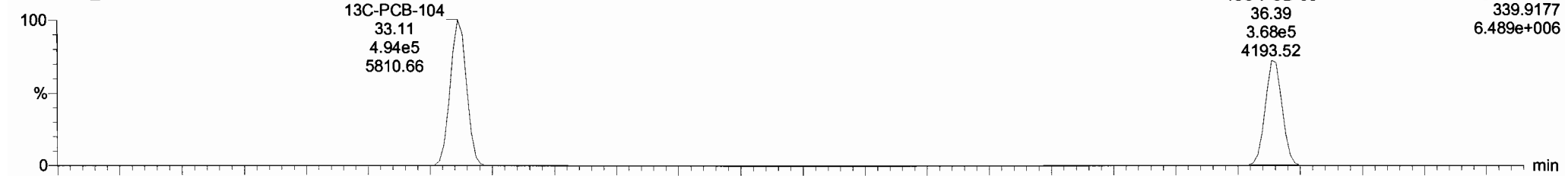


13C-PCB-95

190628K2_6



190628K2_6



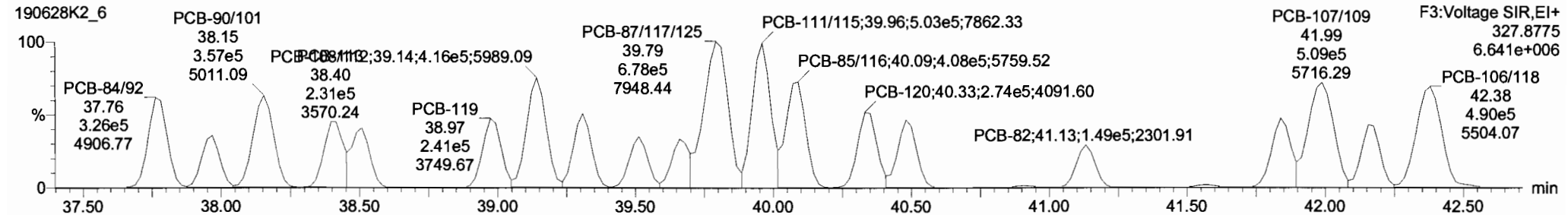
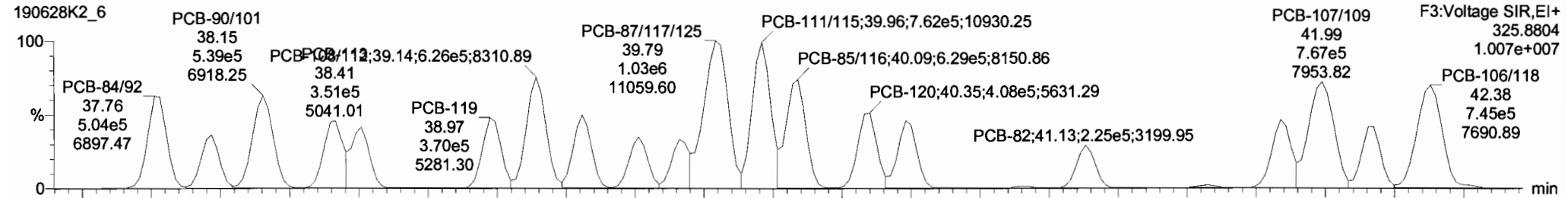
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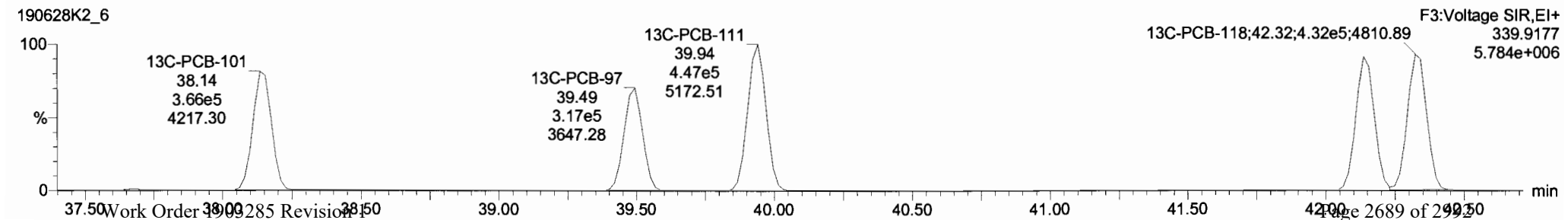
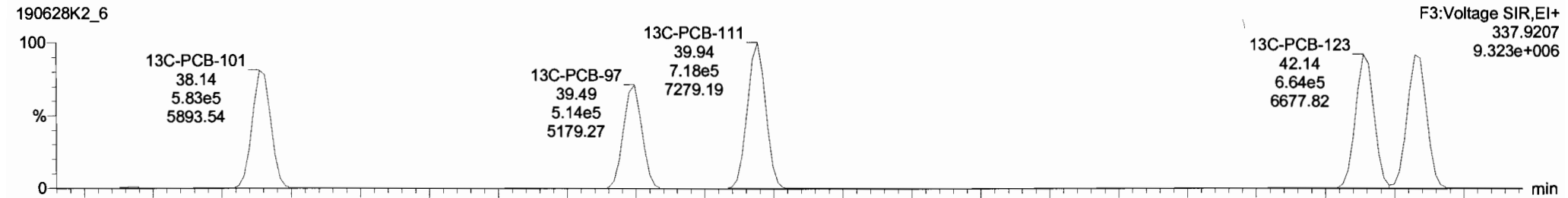
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-119



13C-PCB-111



Vista Analytical Laboratory VG-11

Dataset: Untitled

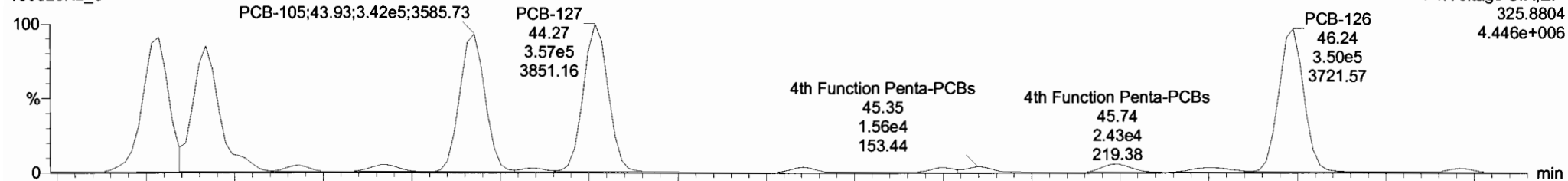
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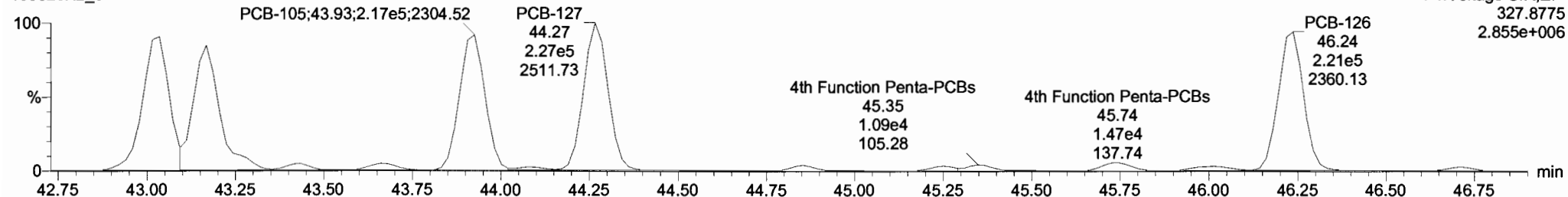
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PCB-114

190628K2_6

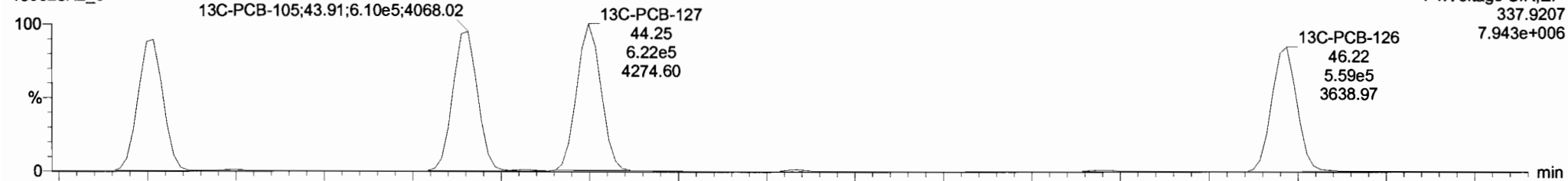


190628K2_6

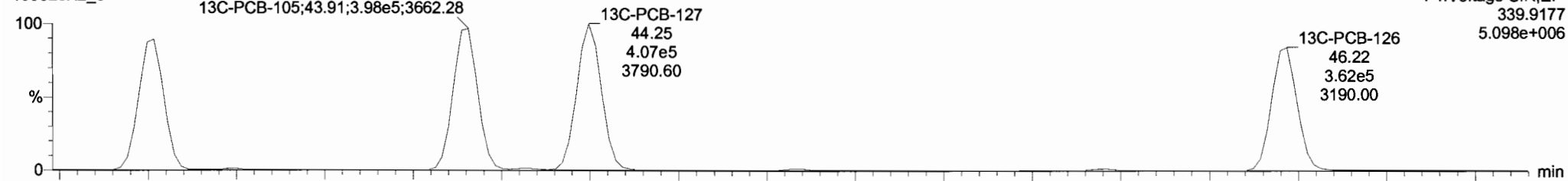


13C-PCB-114

190628K2_6

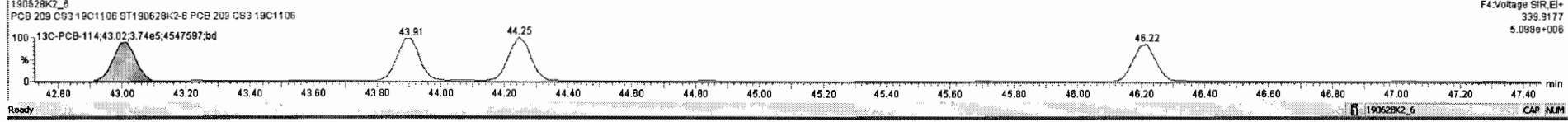
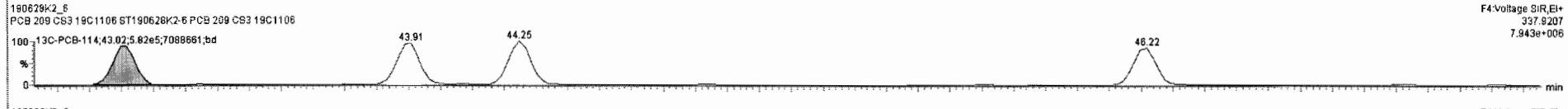
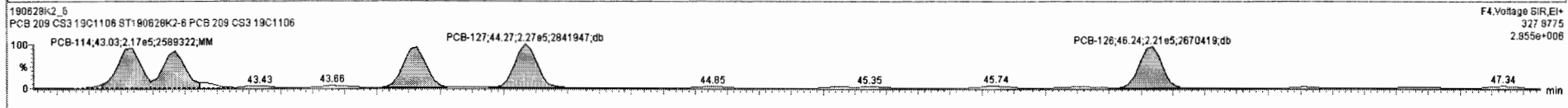
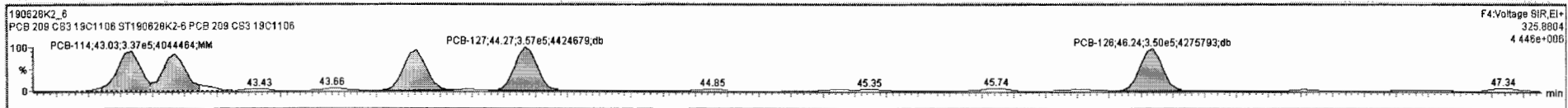


190628K2_6



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-176	5.88e5	0.46	NO	0.9749	1.000	46.58	46.56	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	811.1		0.222	811.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9661	1.000	0.00		0.000		NO	2149		0.996	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	258.8		0.173	258.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	705.2		0.281	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1229		0.656	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	150.1		0.0869	150.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	43.04	43.03	3.365e5	2.173e5	1.560	1.55	NO	49.903	49.902
2	94 PCB-122	43.17	43.17	3.080e5	1.956e5	1.560	1.58	NO	54.279	54.279
3	95 PCB-105	43.92	43.93	3.417e5	2.172e5	1.560	1.57	NO	50.386	50.386
4	96 PCB-127	44.27	44.27	3.571e5	2.266e5	1.580	1.58	NO	51.159	51.159
5	97 PCB-126	46.24	46.24	3.501e5	2.208e5	1.560	1.59	NO	51.112	51.112



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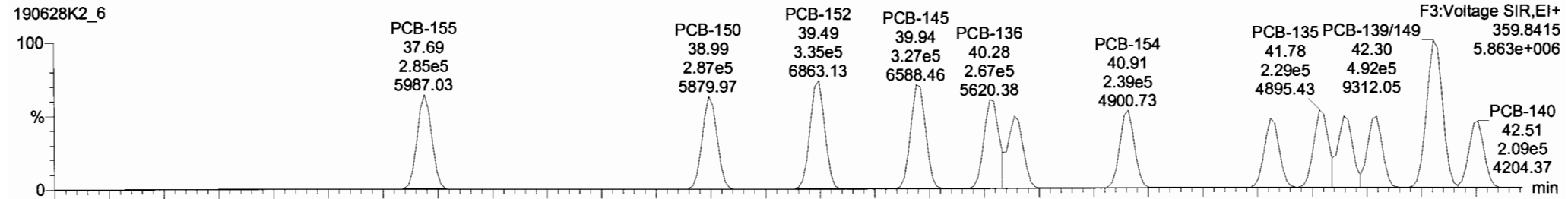
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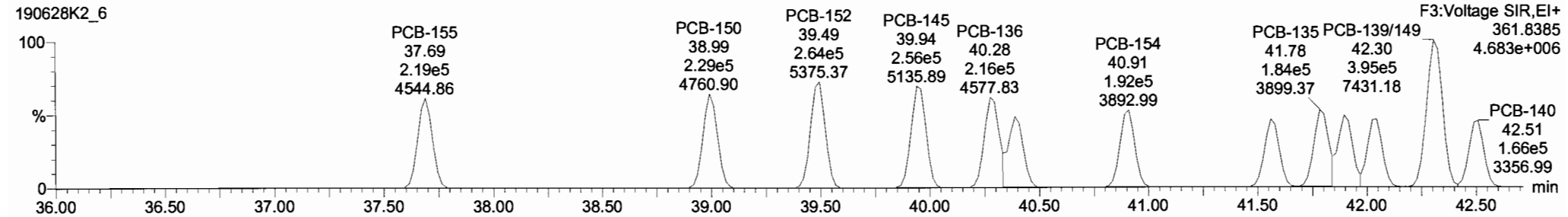
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PCB-155

190628K2_6

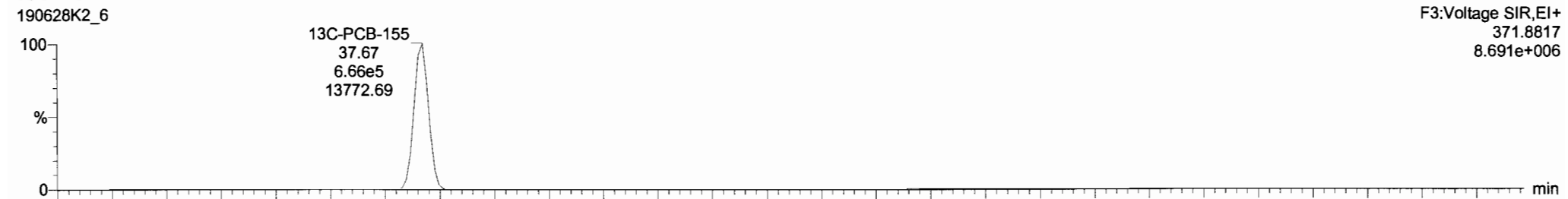


190628K2_6

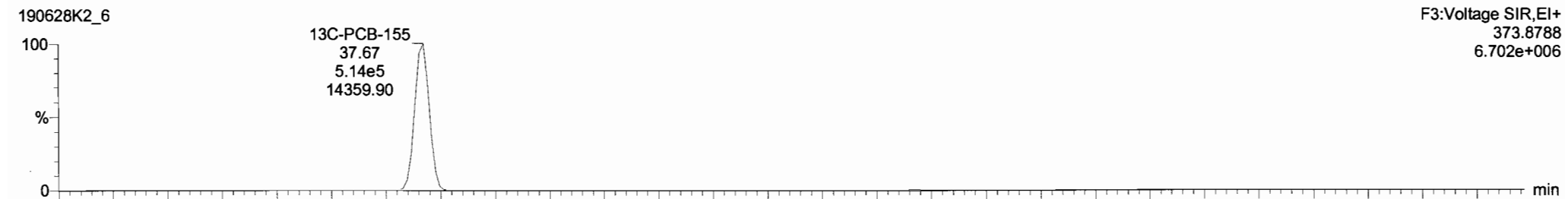


13C-PCB-155

190628K2_6



190628K2_6

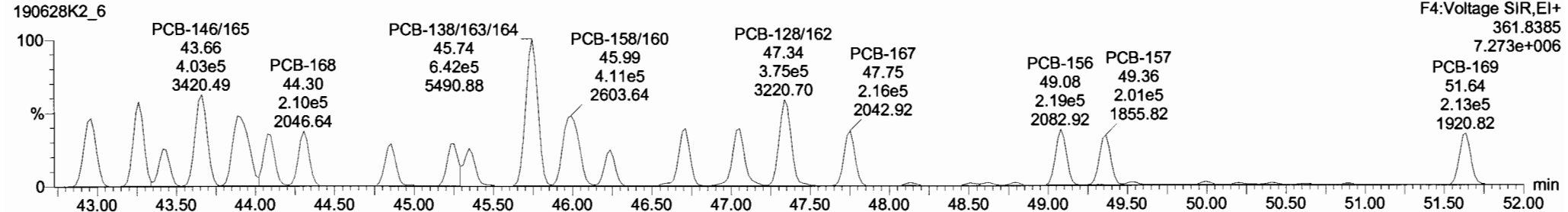
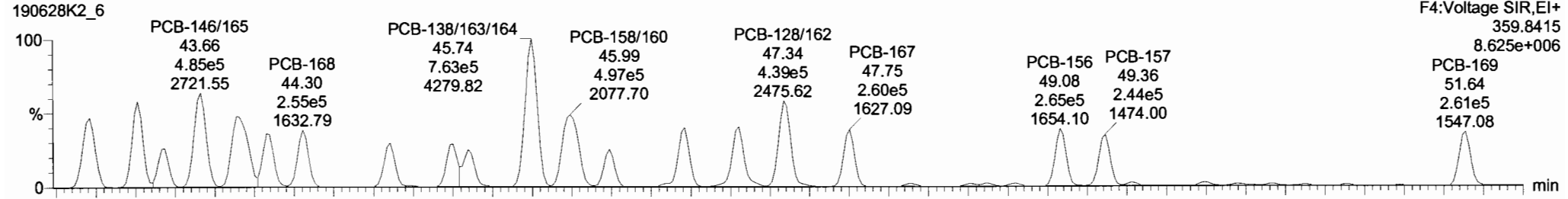


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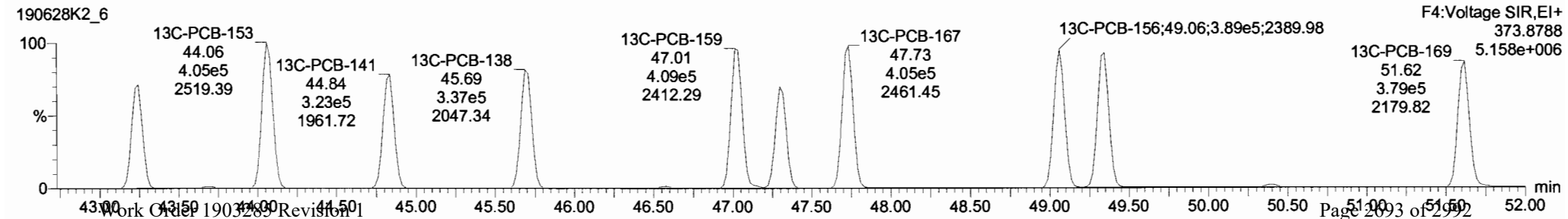
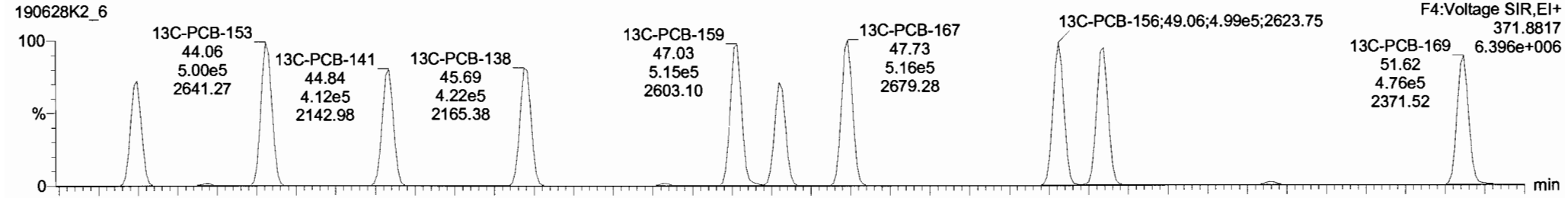
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-134/143



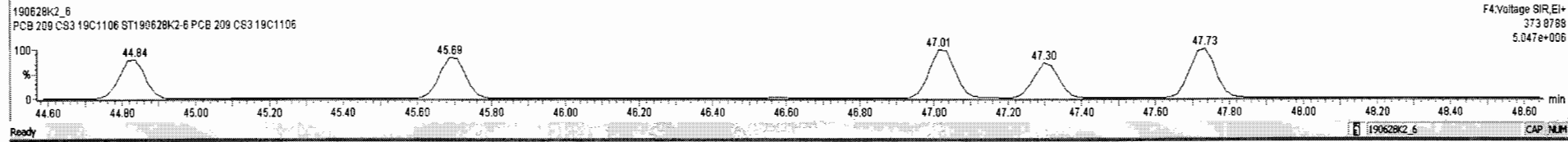
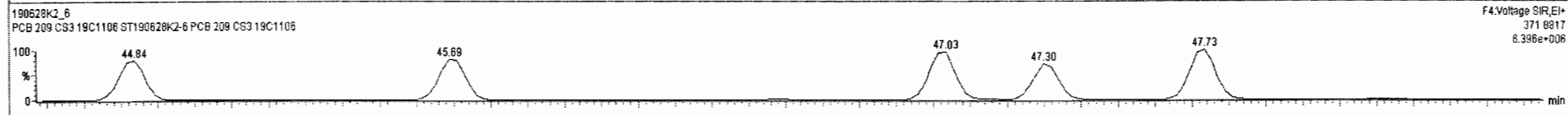
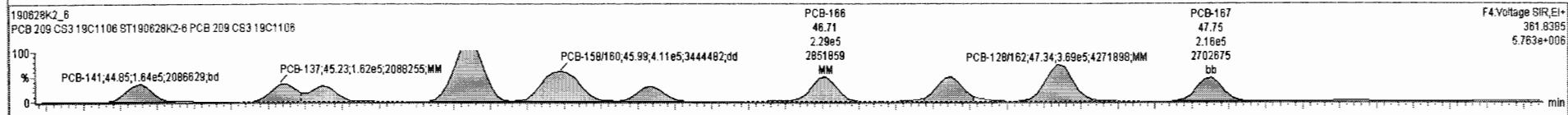
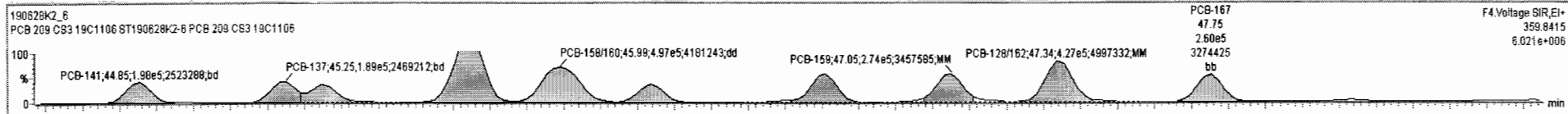
13C-PCB-153



190628K2_6-ST190628K2-6-PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	5.66e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.000	0.000			NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.000	0.000			NO	611.1		0.222	611.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.000	0.000			NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.000	0.000			NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9861	1.000	0.000	0.000			NO	2149		0.998	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.000	0.000			NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.000	0.000			NO	256.8		0.173	256.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.000	0.000			NO	705.2		0.261	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.000	0.000			NO	1414		1.133	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.000	0.000			NO	1229		0.898	1229
234	234 4th Function Octa-PCBs				0.8963	1.000	0.000	0.000			NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.000	0.000			NO	150.1		0.0869	150.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1:1 Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.94	42.96	3.648e5	3.050e5	1.240	1.20	NO	100.98	100.98
2	112 PCB-131/133	43.24	43.26	3.915e5	3.235e5	1.240	1.21	NO	100.05	100.05
3	113 PCB-142	43.43	43.43	1.749e5	1.486e5	1.240	1.18	NO	50.515	50.515
4	114 PCB-146/165	43.64	43.66	4.850e5	4.032e5	1.240	1.20	NO	102.35	102.35
5	115 PCB-132/161	43.89	43.89	4.905e5	4.136e5	1.240	1.19	NO	102.58	102.58
6	116 PCB-153	44.08	44.08	2.508e5	2.062e5	1.240	1.21	NO	50.140	50.140
7	117 PCB-168	44.28	44.31	2.550e5	2.104e5	1.240	1.21	NO	50.470	50.470

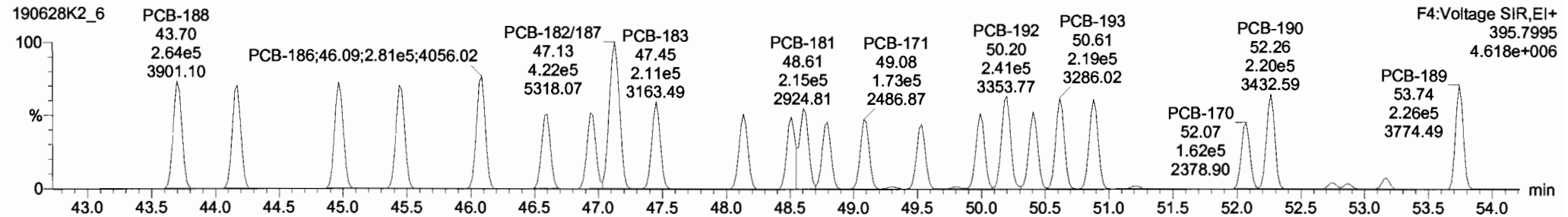
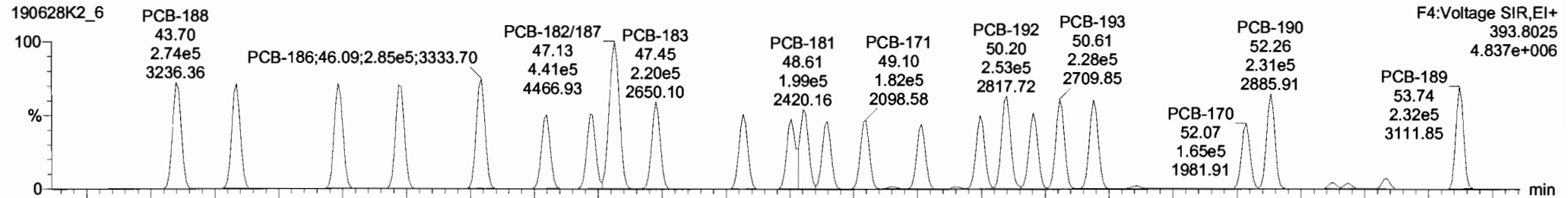


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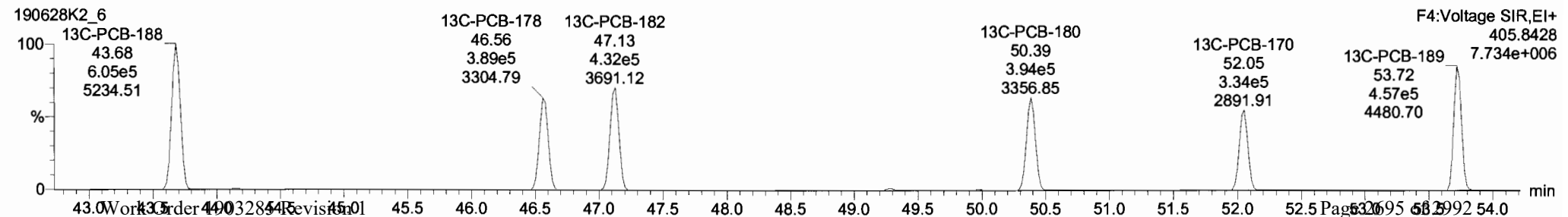
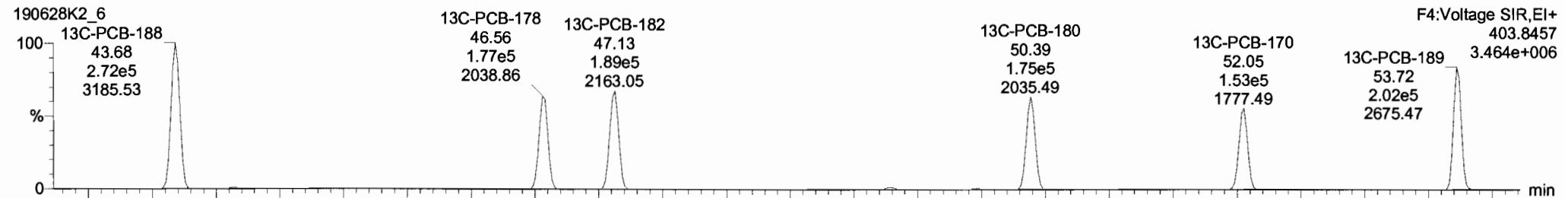
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Name: 190628K2_6, Date: 28-Jun-2019, Time: 21:41:21, ID: ST190628K2-6 PCB 209 CS3 19C1106, Description: PCB 209 CS3 19C1106

PCB-188



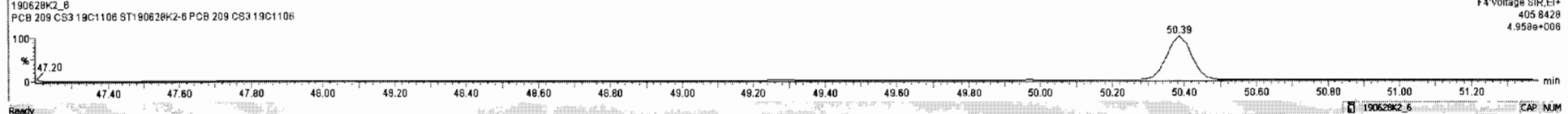
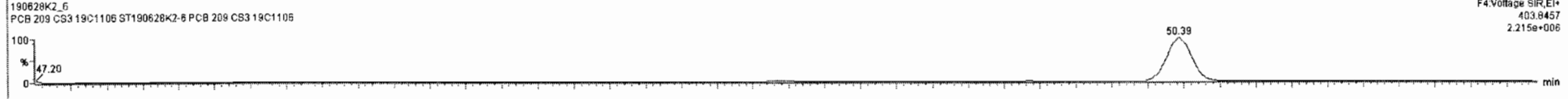
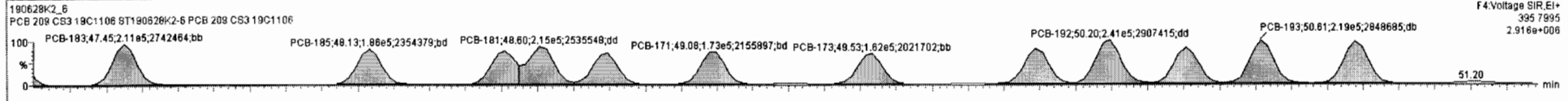
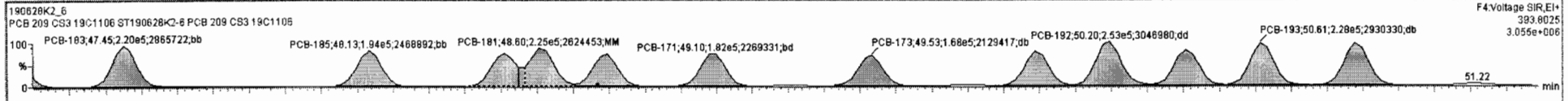
13C-PCB-188



190628K2_6 - ST190628K2-6 PCB 209 CS3 19C1106 - PCB 209 CS3 19C1106

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Prod.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	5.66e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	102.1	102	0.0730	
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	151.1		0.0261	151.1
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	611.1		0.222	611.1
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	404.6		0.0967	404.6
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	783.0		0.451	783.0
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	2149		0.598	2149
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	2055		0.757	2055
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	258.8		0.173	258.8
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	705.2		0.281	705.3
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	1414		1.33	1414
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	1229		0.859	1229
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	451.6		0.214	451.6
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	150.1		0.0869	150.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc.
1	131 PCB-188	43.72	43.70	2.739e5	2.635e5	1.050	1.04	NO	51.300	51.299
2	132 PCB-184	44.17	44.17	2.589e5	2.587e5	1.050	1.05	NO	51.314	51.313
3	133 PCB-179	44.96	44.97	2.890e5	2.607e5	1.050	1.03	NO	51.293	51.293
4	134 PCB-178	45.45	45.44	2.722e5	2.595e5	1.050	1.05	NO	52.146	52.147
5	135 PCB-186	46.07	46.08	2.848e5	2.808e5	1.050	1.01	NO	52.893	52.893
6	136 PCB-178	46.59	46.60	1.917e5	1.864e5	1.050	1.03	NO	51.852	51.852
7	137 PCB-175	46.95	46.94	1.998e5	1.949e5	1.050	1.02	NO	52.963	52.962



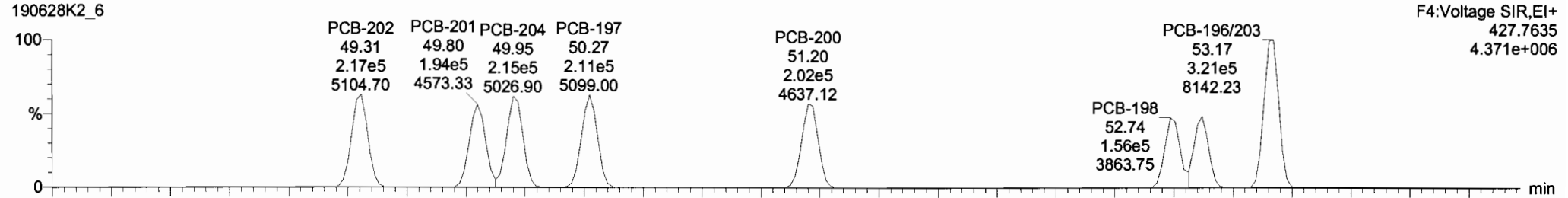
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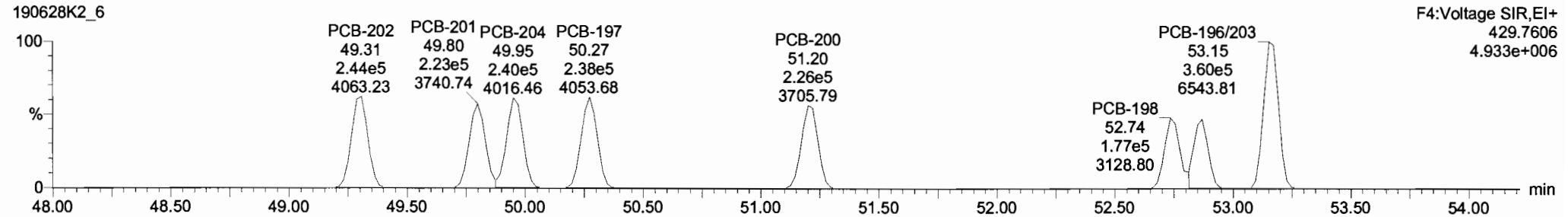
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PCB-202

190628K2_6

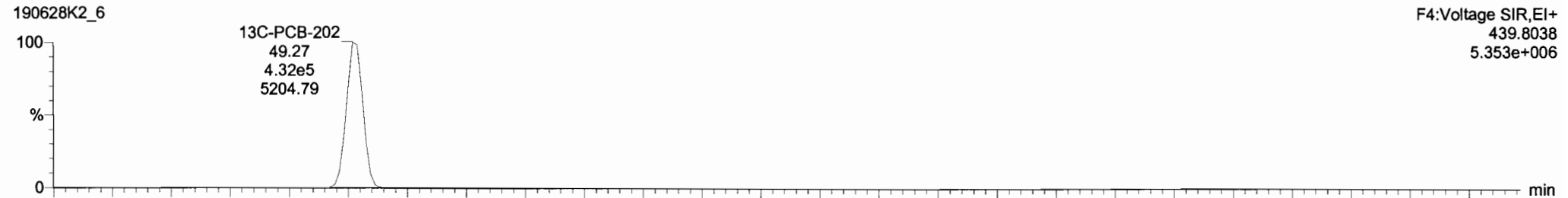


190628K2_6

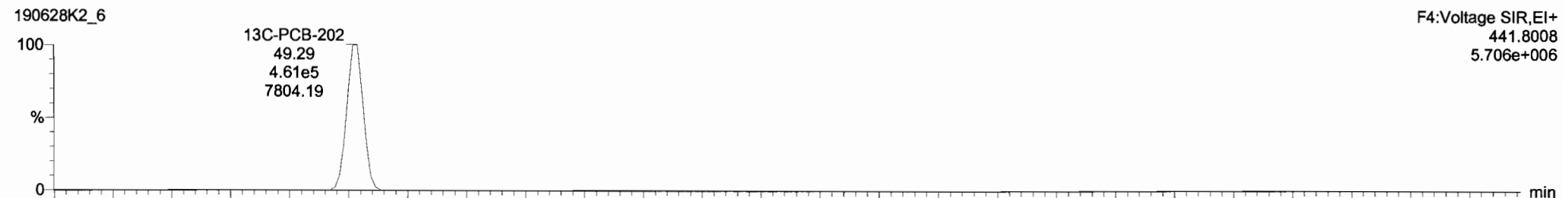


13C-PCB-202

190628K2_6



190628K2_6

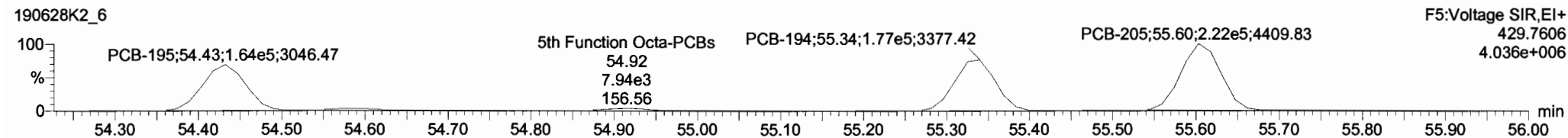
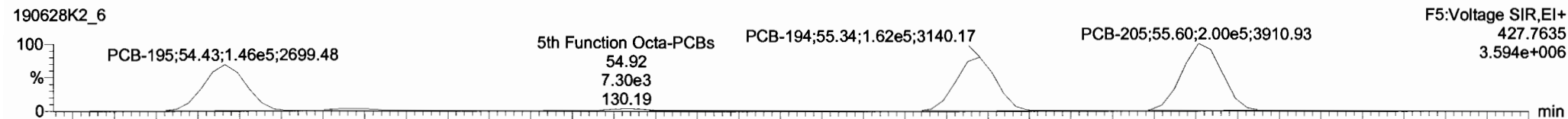


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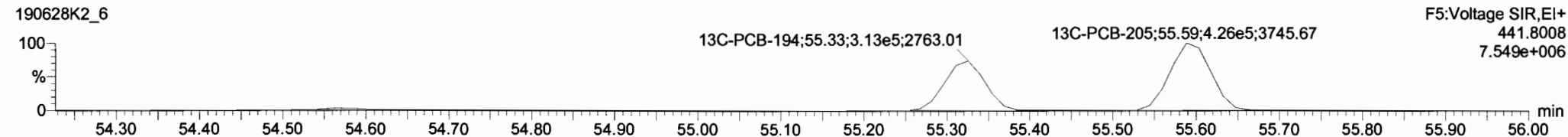
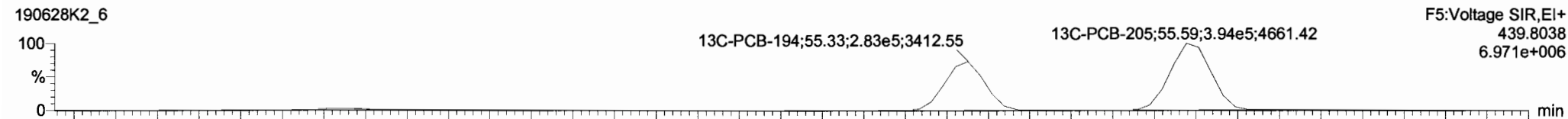
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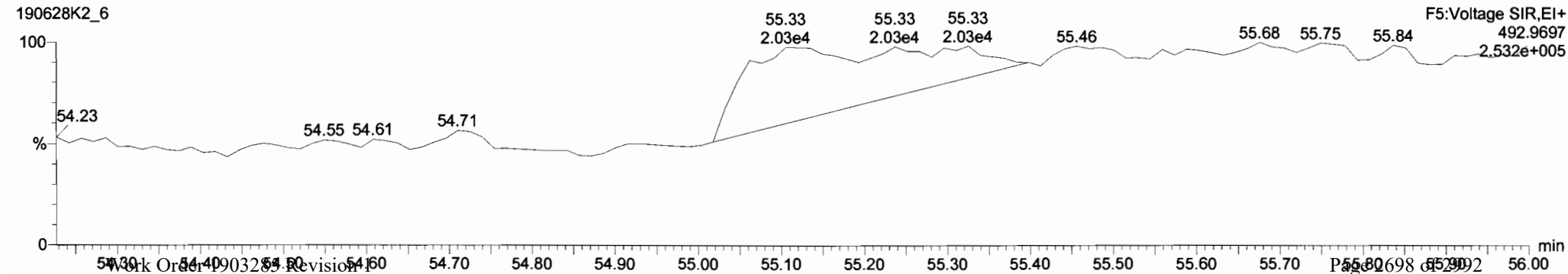
PCB-195



13C-PCB-194



PFK5

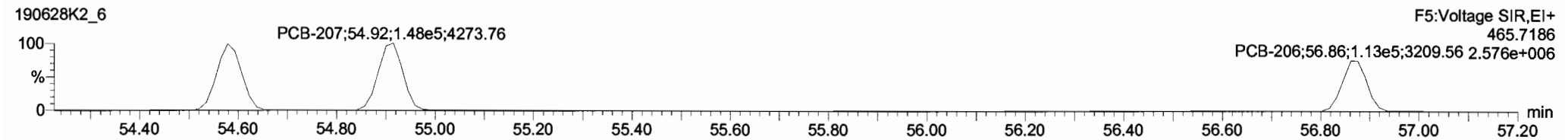
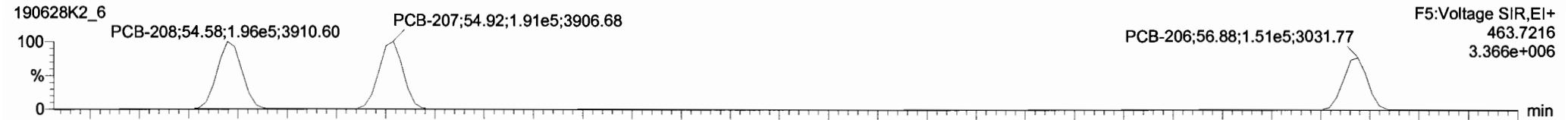


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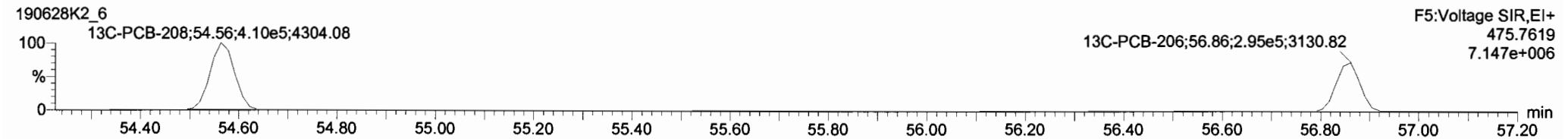
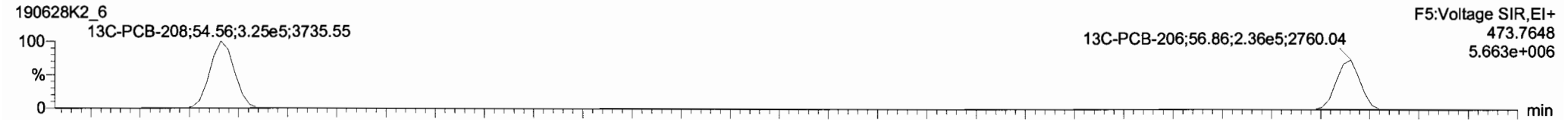
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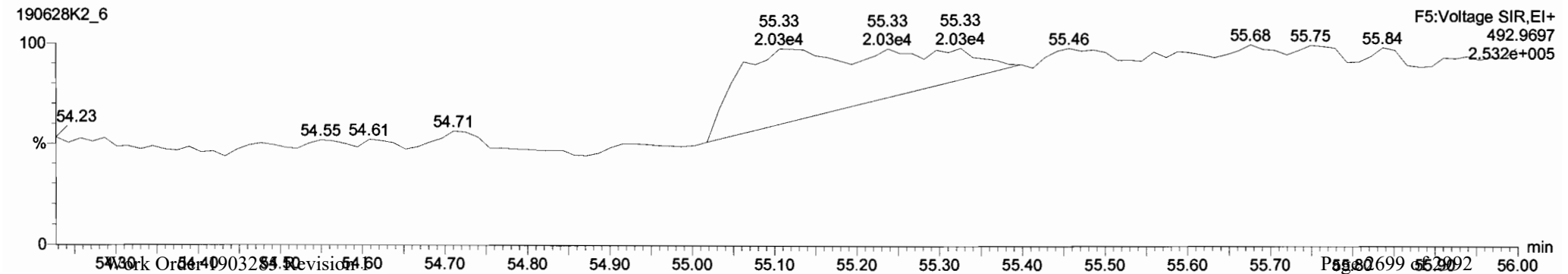
PCB-208



13C-PCB-208



PFK5



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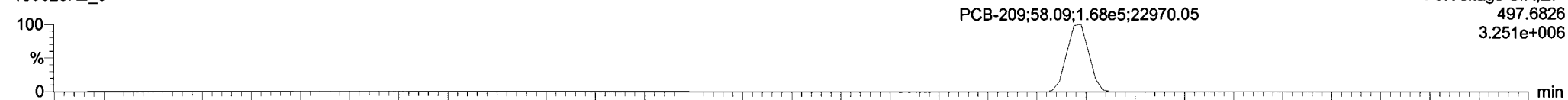
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PCB-209

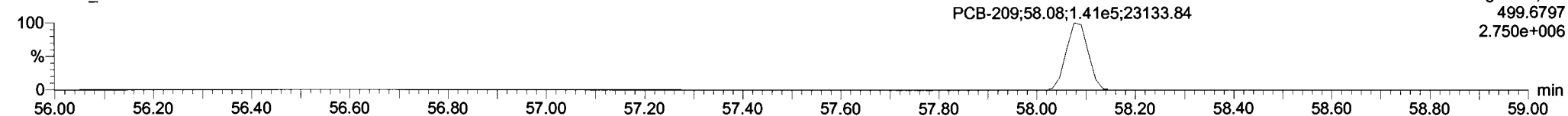
190628K2_6

F5:Voltage SIR,EI+
497.6826
3.251e+006



190628K2_6

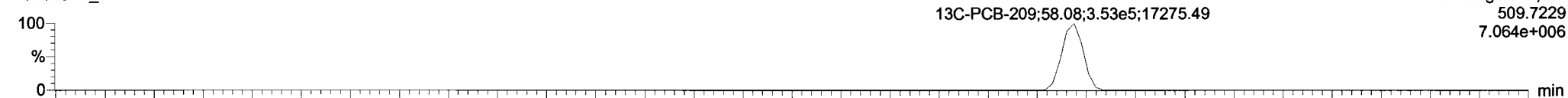
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2.750e+006



13C-PCB-209

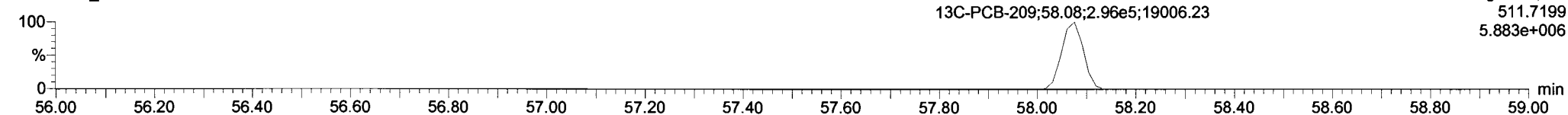
190628K2_6

F5:Voltage SIR,EI+
509.7229
7.064e+006



190628K2_6

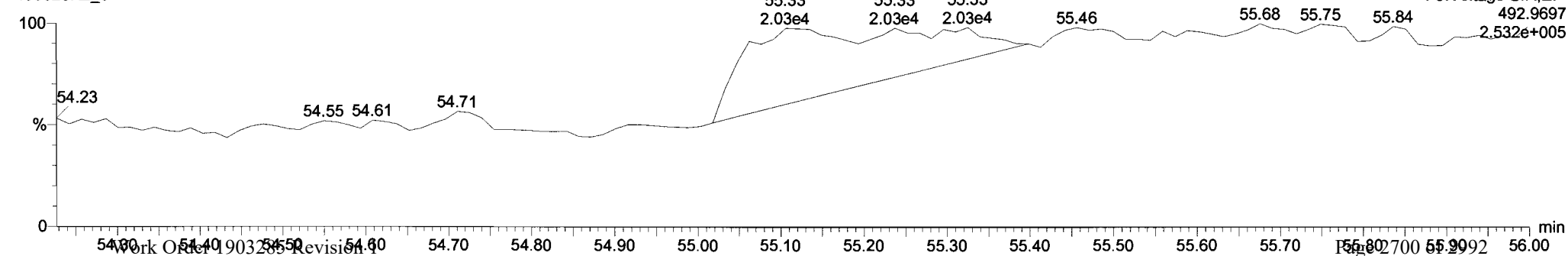
F5:Voltage SIR,EI+
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5.883e+006



PFK5

190628K2_6

F5:Voltage SIR,EI+
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2.532e+005

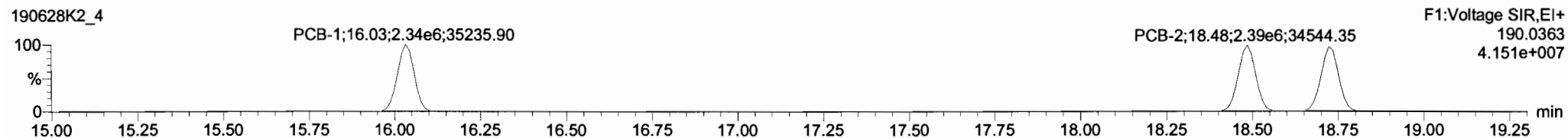
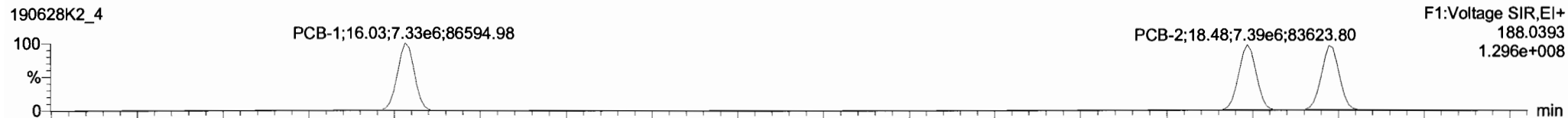


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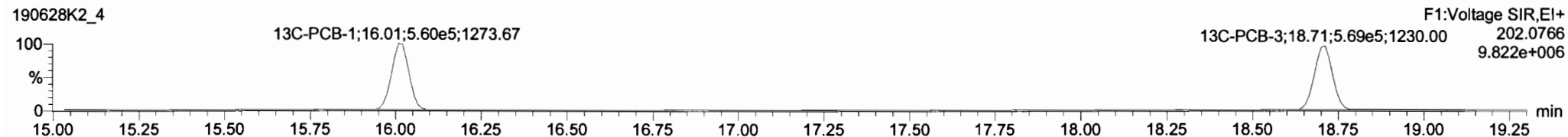
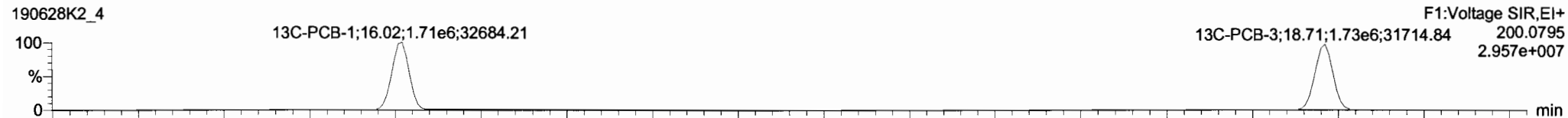
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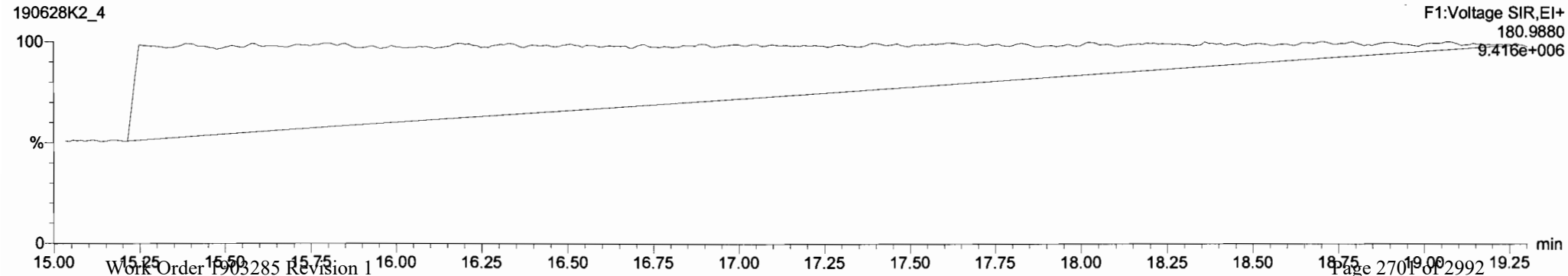
PCB-1



13C-PCB-1



PFK1



Vista Analytical Laboratory VG-11

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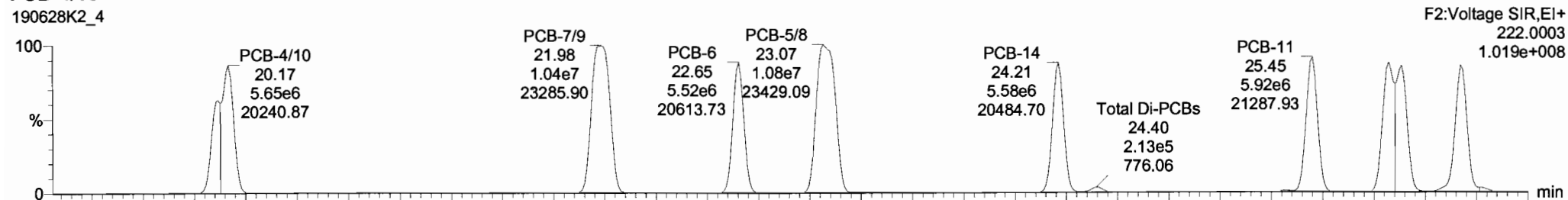
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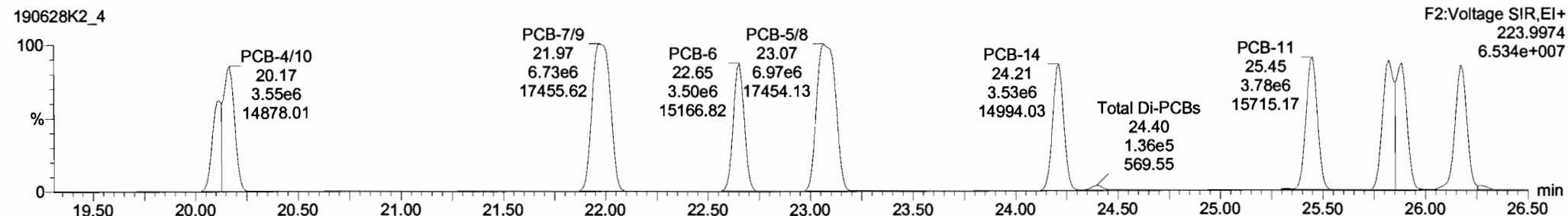
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PCB-4/10

190628K2_4

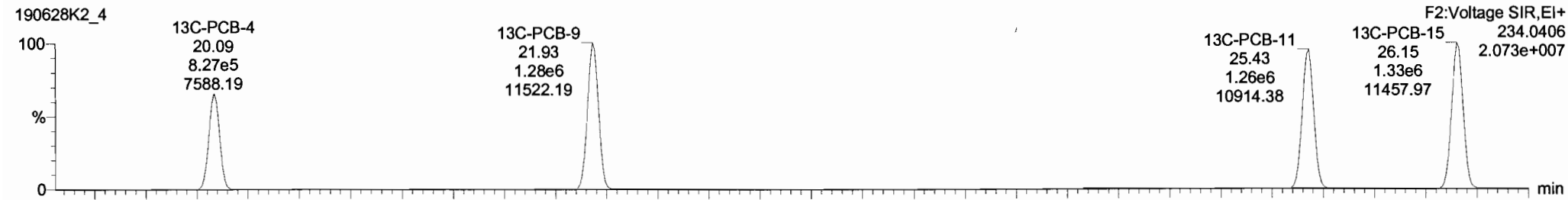


190628K2_4

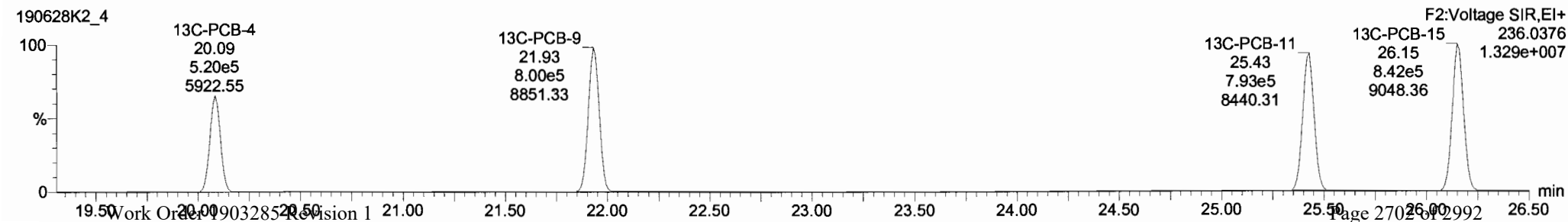


13C-PCB-4

190628K2_4

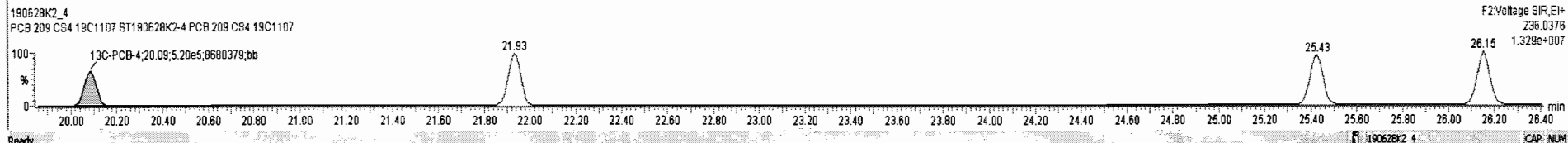
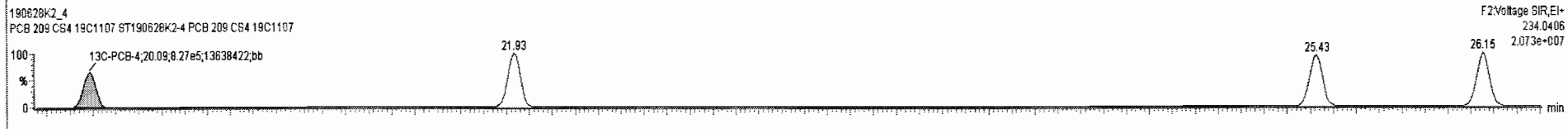
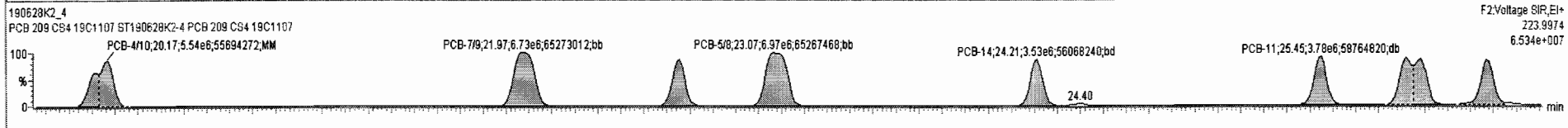
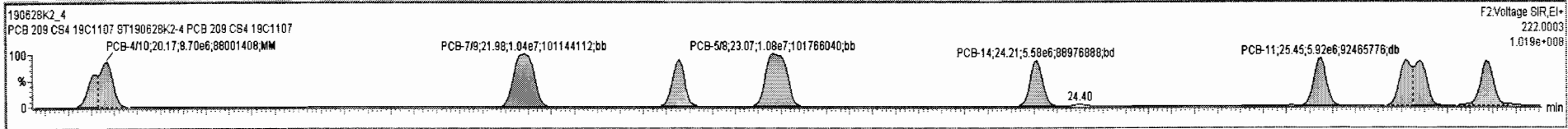


190628K2_4



#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R.	RRT	RRT.Fac	Conc	%Rec	DL	EMPC
222	13C-PCB-79	1.52e6	0.78	NO	1.0454	1.000	36.47	36.47	0.968	0.968	NO	99.56	99.5	0.0537	
223	13C-PCB-178	6.09e5	0.46	NO	0.3749	1.000	46.58	46.58	0.924	0.924	NO	97.07	97.1	0.0672	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000	0.000	NO	1261		0.0412	1261
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000	0.000	NO	5092		0.394	5092
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000	0.000	NO	3323		0.104	3323
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.00	0.000	0.000	NO	6901		0.905	6901
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.00	0.000	0.000	NO	17700		1.87	17700
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.00	0.000	0.000	NO	17190		0.903	17190
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000	0.000	NO	2126		0.324	2126
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000	0.000	NO	5984		0.201	5984
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.00	0.000	0.000	NO	11930		2.12	11930
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.00	0.000	0.000	NO	9955		2.30	9955
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.00	0.000	0.000	NO	3818		0.302	3818

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	4 PCB-4/10	20.17	20.17	8.701e6	5.544e6	1.560	1.57	NO	829.76	829.76
2	5 PCB-7/9	21.99	21.98	1.044e7	6.733e6	1.560	1.55	NO	844.46	844.46
3	6 PCB-5	22.64	22.65	5.517e6	3.499e6	1.560	1.58	NO	425.56	425.56
4	7 PCB-5/8	23.06	23.07	1.082e7	6.972e6	1.560	1.55	NO	844.60	844.60
5	8 PCB-14	24.22	24.21	5.579e6	3.530e6	1.560	1.58	NO	428.85	428.85
6	9 PCB-11	25.45	25.45	5.917e6	3.777e6	1.560	1.57	NO	430.09	430.09
7	10 PCB-12/13	25.82	25.82	1.100e7	7.114e6	1.560	1.55	NO	849.52	849.52



Vista Analytical Laboratory VG-11

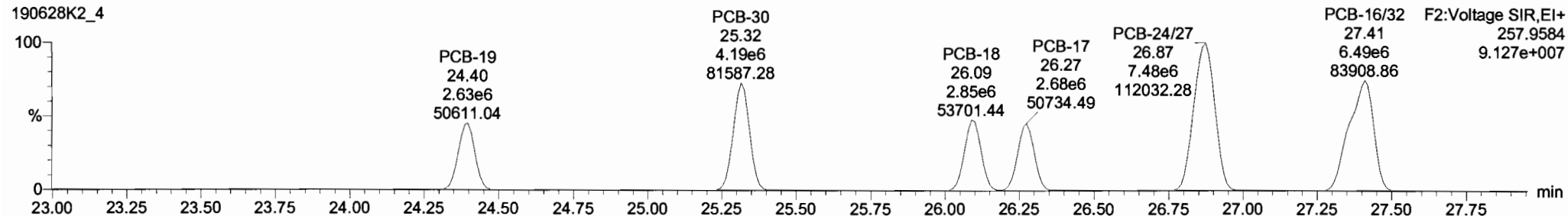
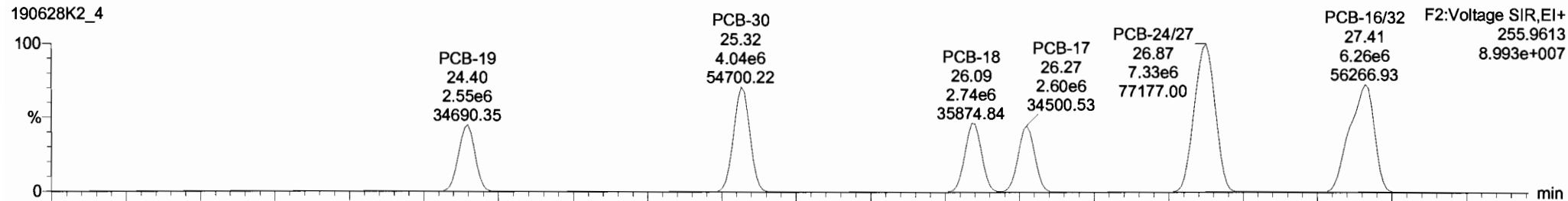
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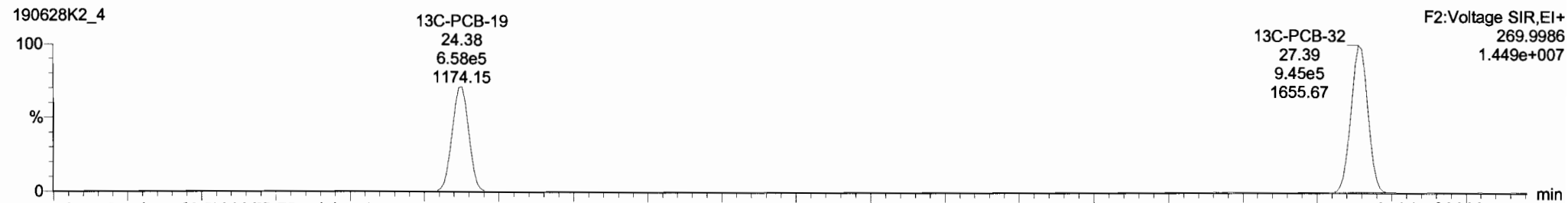
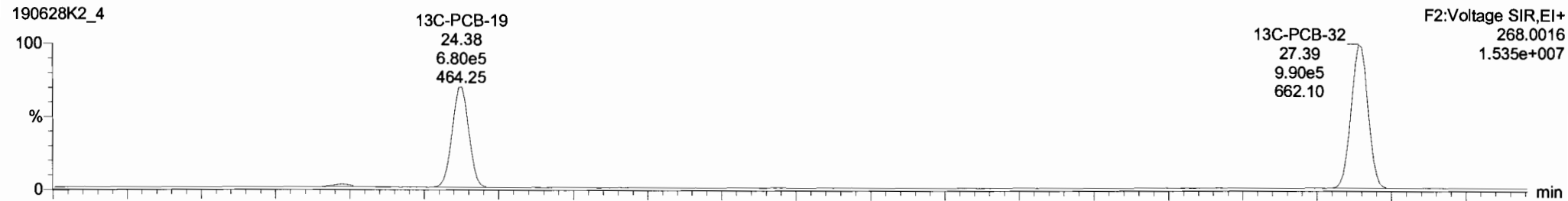
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PCB-19



13C-PCB-19



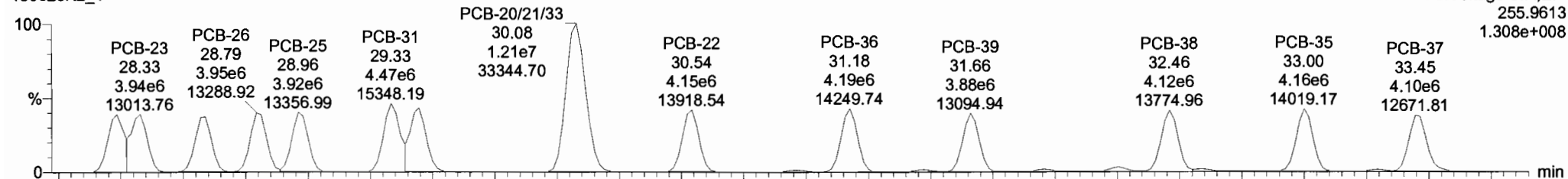
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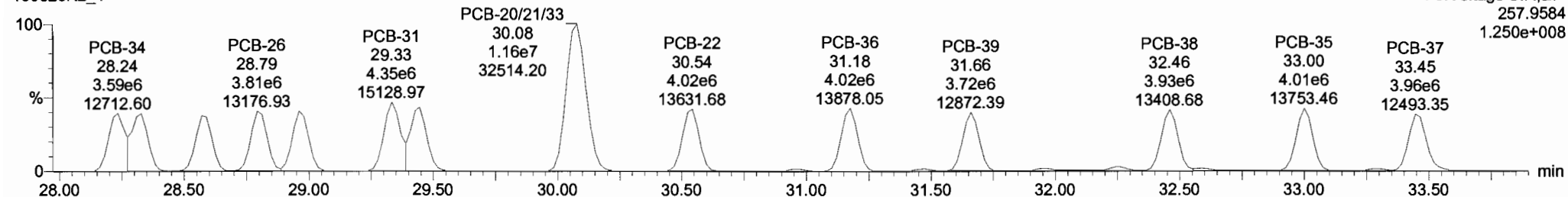
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PCB-34

190628K2_4

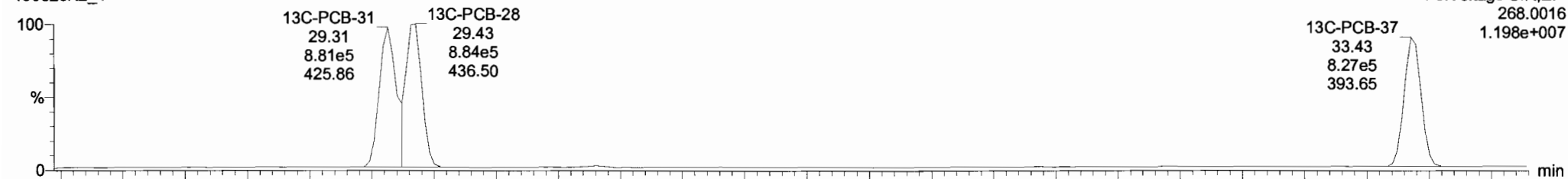


190628K2_4

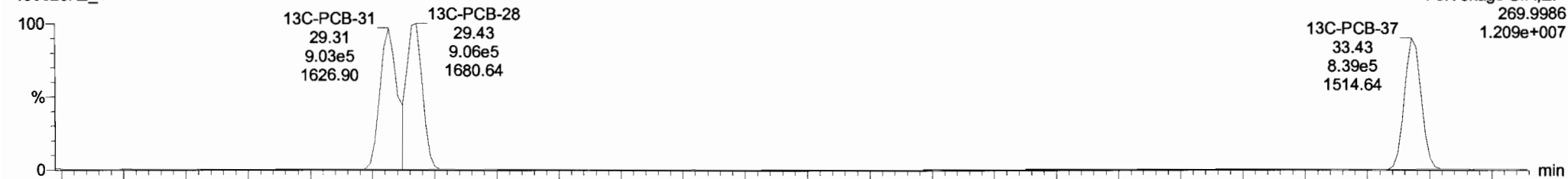


13C-PCB-28

190628K2_4



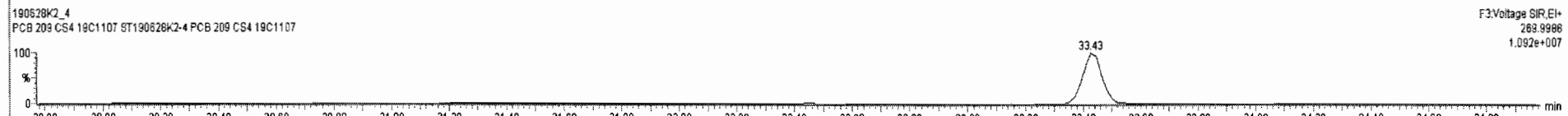
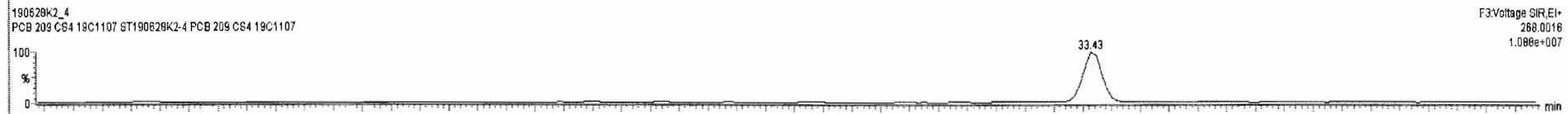
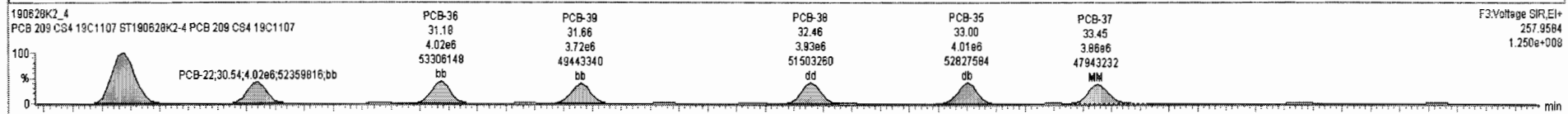
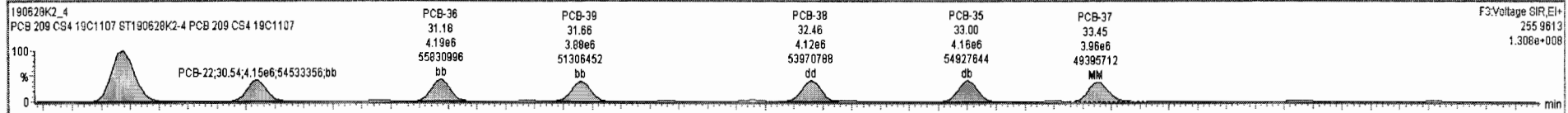
190628K2_4



190628K2_4 - ST190628K2-4 PCB 209 CS4 19C1107 - PCB 209 CS4 19C1107

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
222	13C-PCB-79	1.52e6	0.78	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	99.56	99.6	0.0537	
223	13C-PCB-178	6.08e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	97.07	97.1	0.0672	
224	Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	1261		0.0412	1261
225	Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	5092		0.394	5092
226	2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	3323		0.104	3323
227	3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	6901		0.905	6901
228	Total Tetra-PCBs				0.9861	1.000	0.00	0.000			NO	17700		1.87	17700
229	3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	17190		0.903	17190
230	4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	2126		0.324	2126
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	5984		0.201	5984
232	4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000			NO	11930		2.12	11930
233	Total Hepta-PCBs				1.2636	1.000	0.00	0.000			NO	9955		2.30	9955
234	4th Function Octa-PCBs				0.8863	1.000	0.00	0.000			NO	3918		0.302	3918

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	% Ratio (Pred)	RA	n/y	EMPC	Conc
1	18 PCB-34	28.24	28.24	3.670e6	3.587e6	1.040	1.02	NO	410.55	410.55
2	19 PCB-23	28.33	28.33	3.936e6	3.759e6	1.040	1.05	NO	441.27	441.27
3	20 PCB-29	28.59	28.59	3.736e6	3.589e6	1.040	1.04	NO	429.09	429.09
4	21 PCB-26	28.81	28.79	3.952e6	3.812e6	1.040	1.04	NO	433.25	433.25
5	22 PCB-25	28.98	28.96	3.922e6	3.766e6	1.040	1.04	NO	439.10	439.10
6	23 PCB-31	29.33	29.33	4.474e6	4.349e6	1.040	1.03	NO	438.75	438.75
7	24 PCB-28	29.44	29.44	4.316e6	4.132e6	1.040	1.04	NO	426.88	426.88



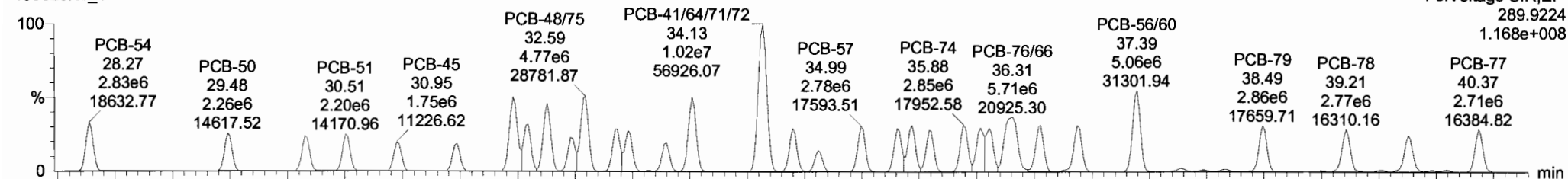
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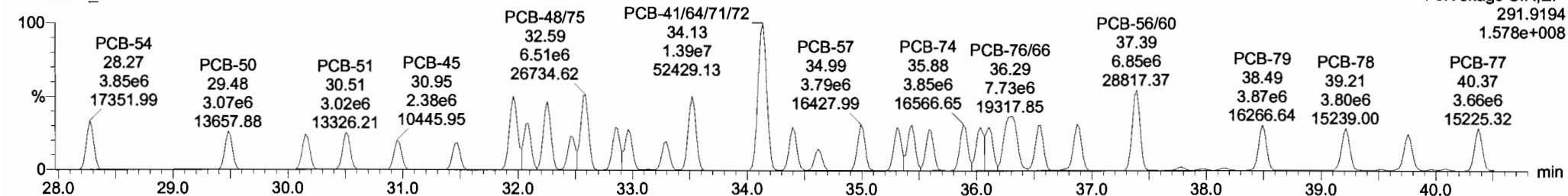
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PCB-54

190628K2_4

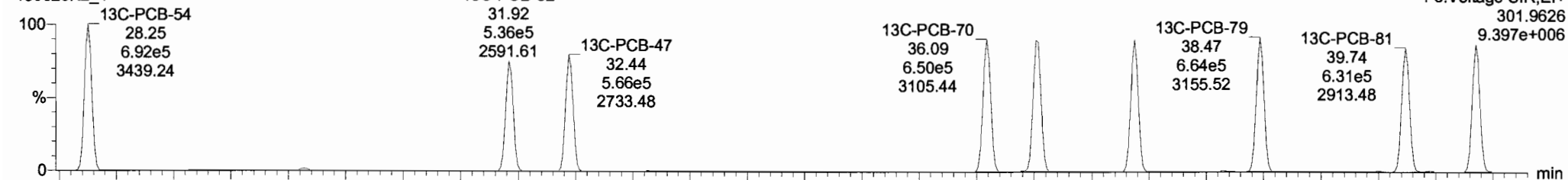


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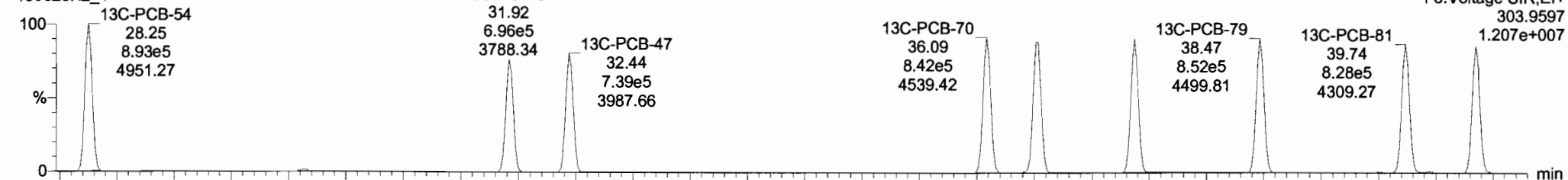


13C-PCB-54

190628K2_4



190628K2_4

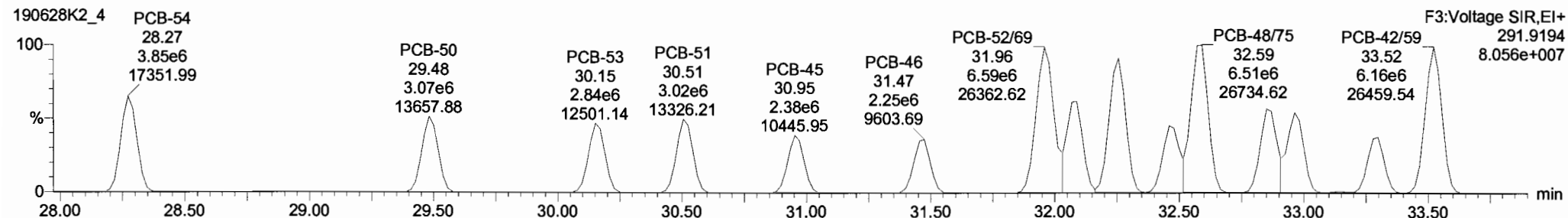
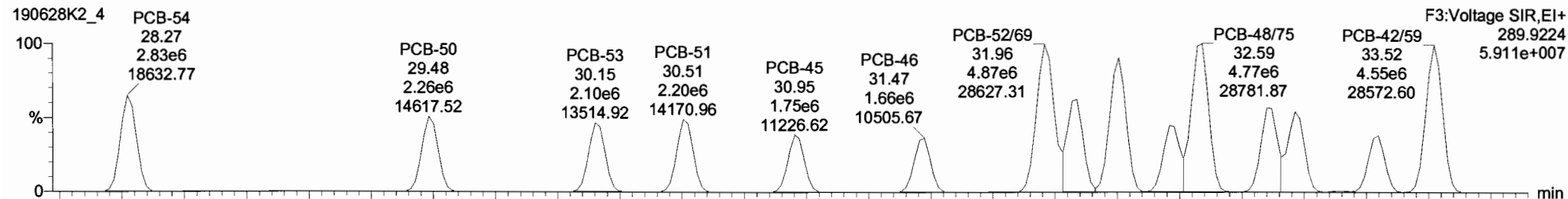


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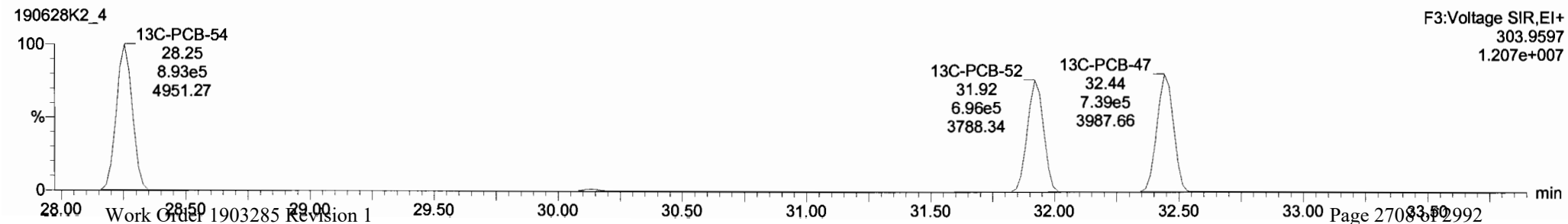
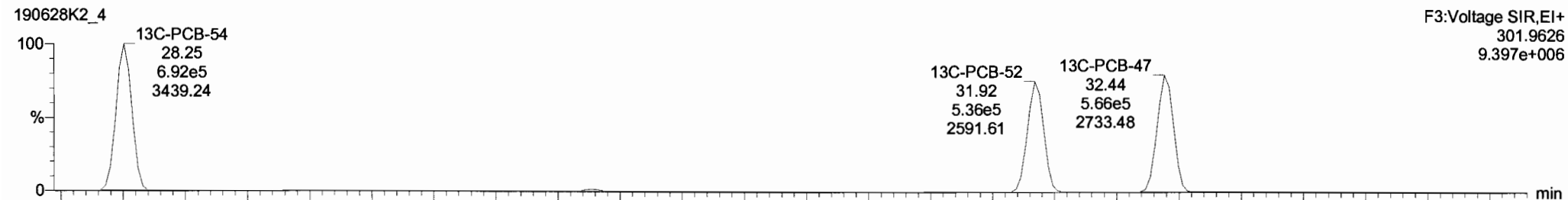
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PCB-50



13C-PCB-52



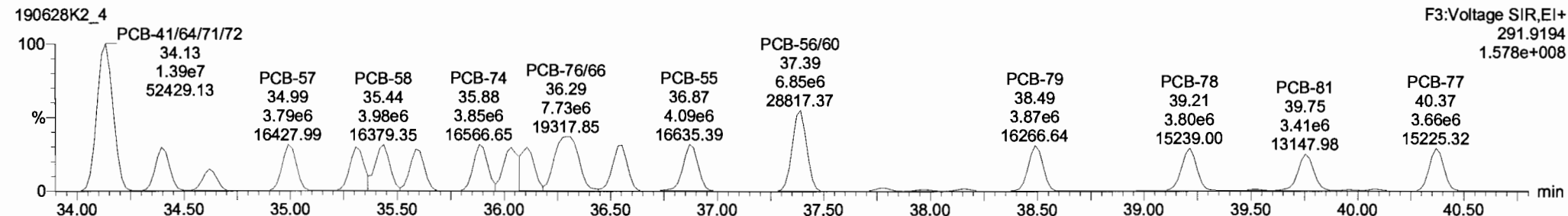
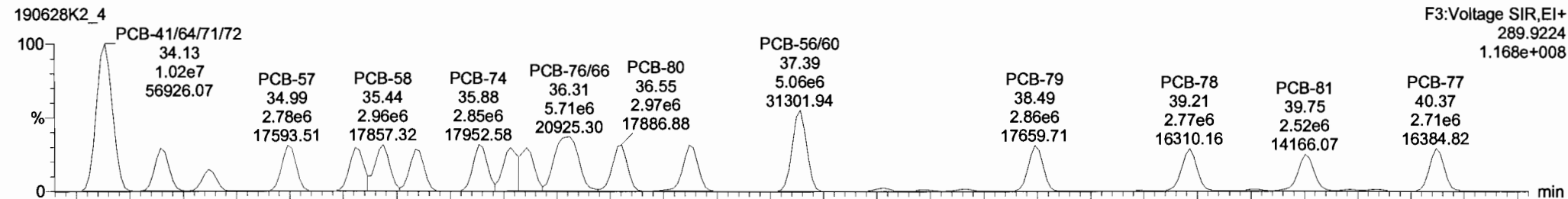
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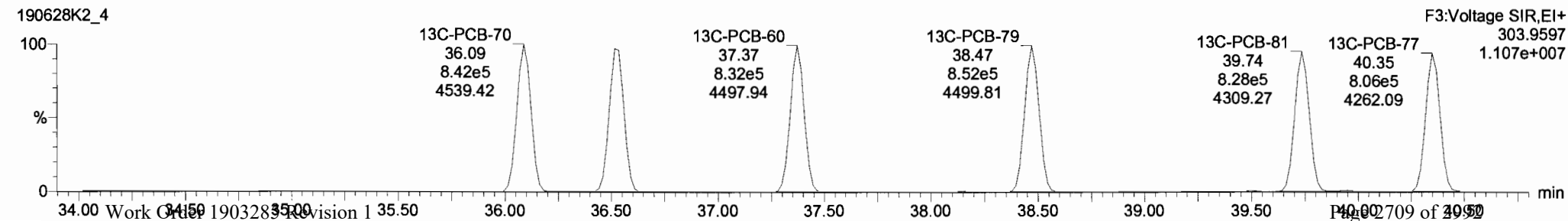
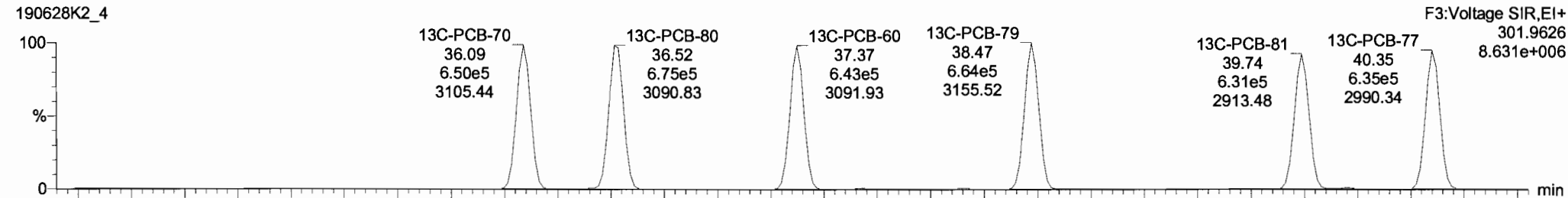
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PCB-68



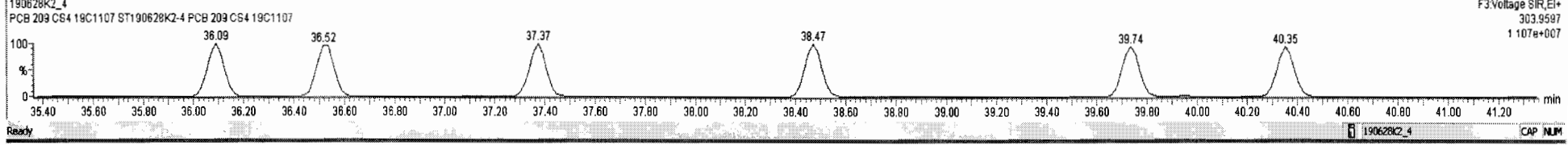
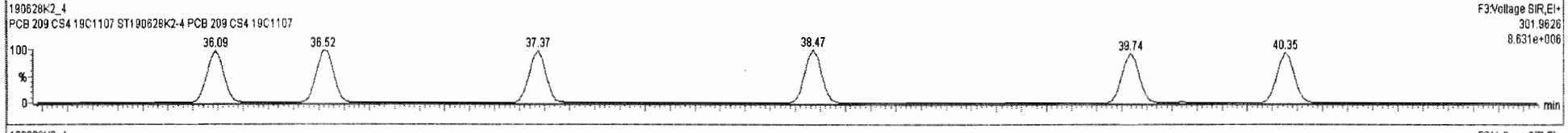
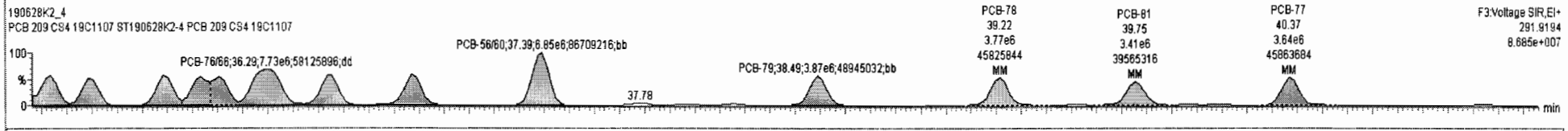
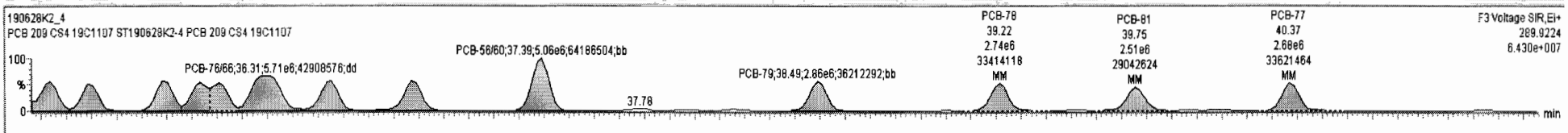
13C-PCB-60



190628K2_4 - ST190628K2-4 PCB 209 CS4 19C1107 - PCB 209 CS4 19C1107

#	Name	Resp	RA	n/y	RRF	w/Aol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	1.52e6	0.78	NO	1.0454	1.000	36.46	36.47	0.968	0.968	NO	99.56	99.6	0.0537	
223	223 13C-PCB-178	6.08e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	97.07	97.1	0.0672	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	1261		0.0412	1261
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	5092		0.394	5092
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	3323		0.104	3323
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	6901		0.905	6901
228	228 Total Tetra-PCBs				0.9661	1.000	0.00	0.000			NO	17700		1.87	17700
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	17190		0.903	17190
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	2126		0.324	2126
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	5984		0.201	5984
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000			NO	11930		2.12	11930
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.000			NO	9955		2.30	9955
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.000			NO	3918		0.302	3918

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	28.27	28.27	2.634e6	3.847e6	0.770	0.74	NO	423.54	423.54
2	33 PCB-50	29.49	29.48	2.257e6	3.071e6	0.770	0.74	NO	430.53	430.53
3	34 PCB-53	30.16	30.15	2.101e6	2.841e6	0.770	0.74	NO	419.78	419.78
4	35 PCB-51	30.52	30.51	2.201e6	3.016e6	0.770	0.73	NO	413.47	413.47
5	36 PCB-45	30.96	30.95	1.755e6	2.376e6	0.770	0.74	NO	414.79	414.79
6	37 PCB-46	31.45	31.47	1.662e6	2.251e6	0.770	0.74	NO	421.33	421.33
7	38 PCB-52/69	31.96	31.96	4.868e6	6.594e6	0.770	0.74	NO	851.85	851.85

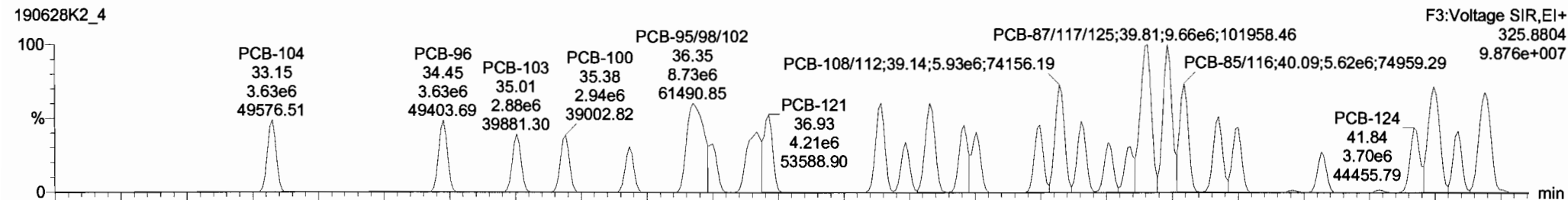


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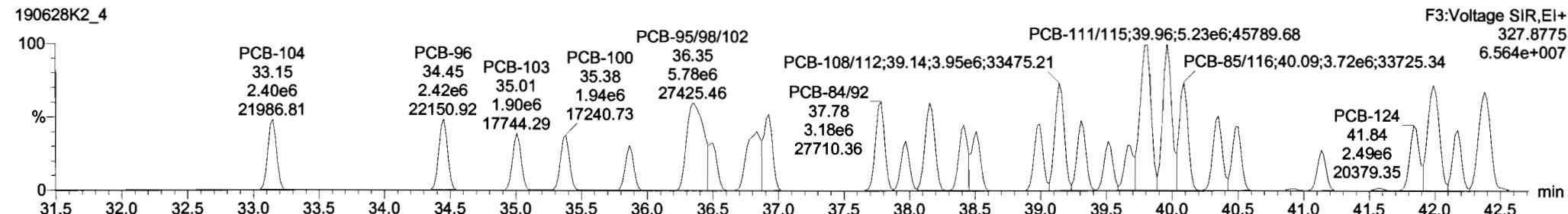
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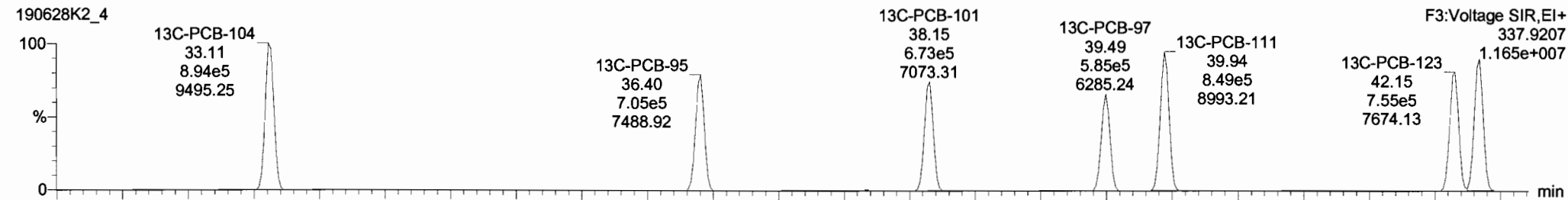
PCB-104



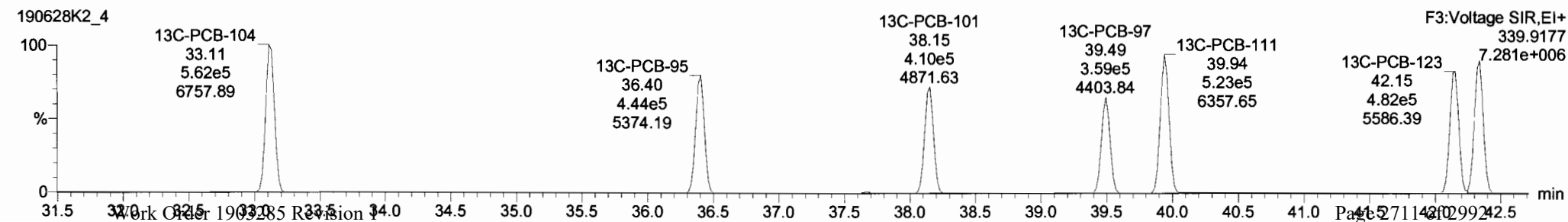
190628K2_4



13C-PCB-104



190628K2_4



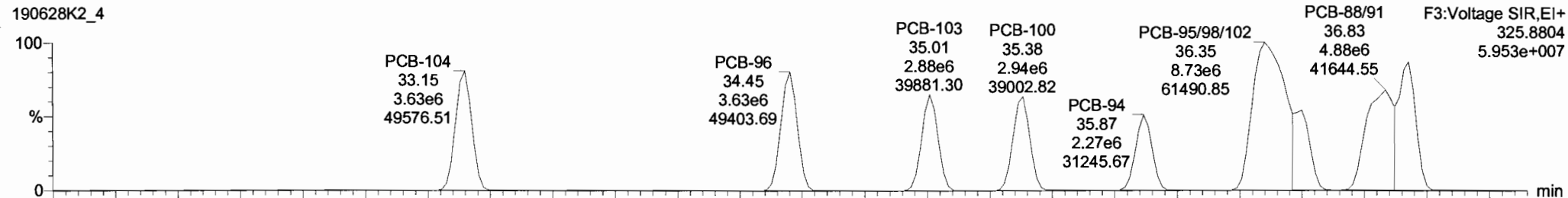
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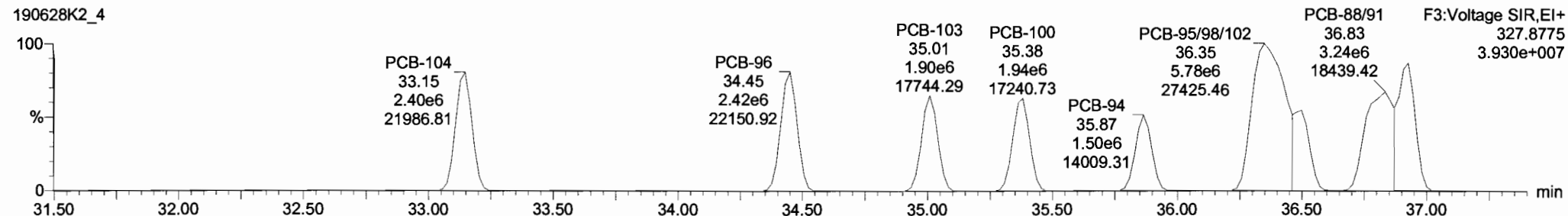
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PCB-96

190628K2_4

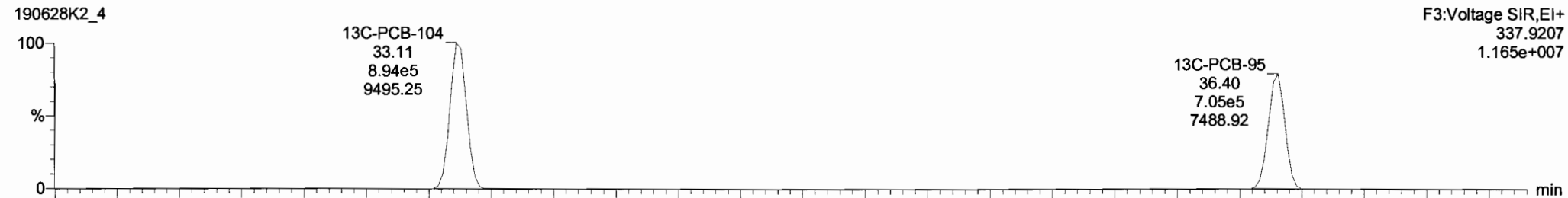


190628K2_4

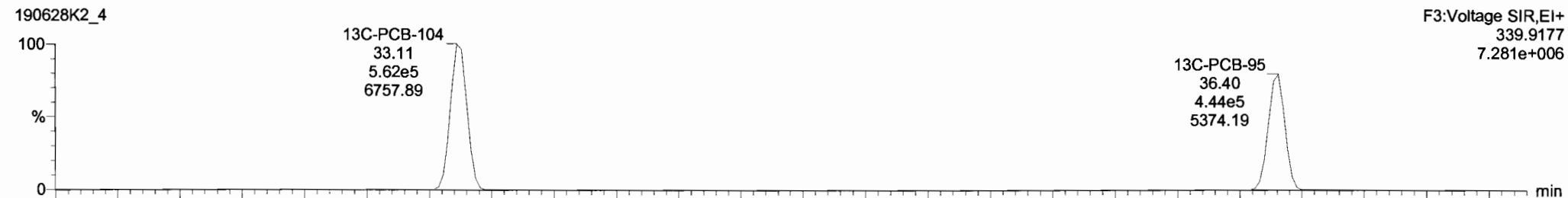


13C-PCB-95

190628K2_4



190628K2_4



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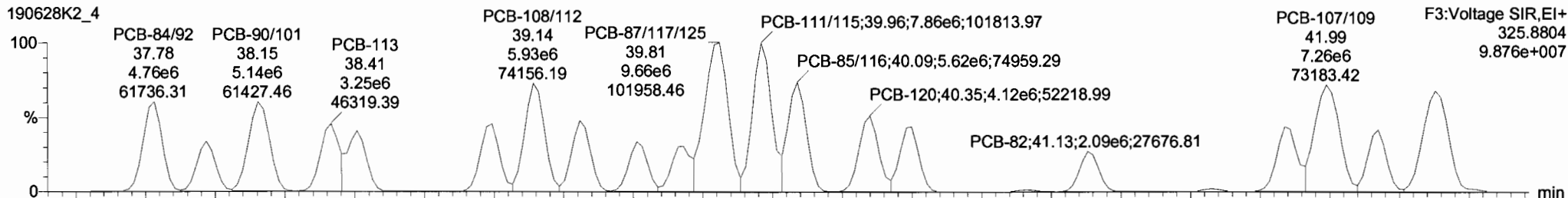
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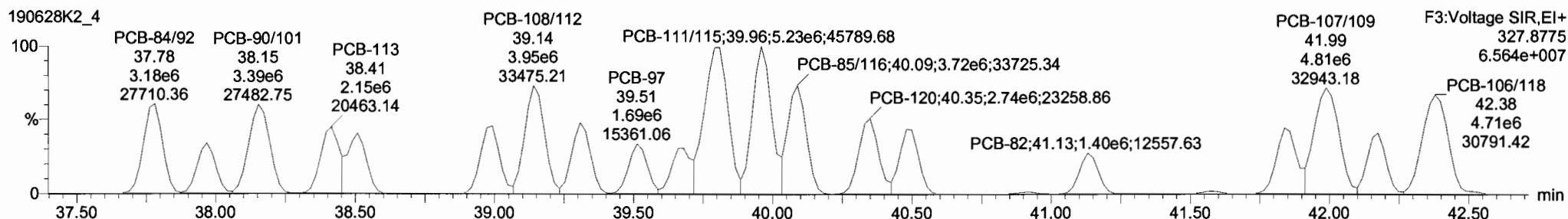
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PCB-119

190628K2_4

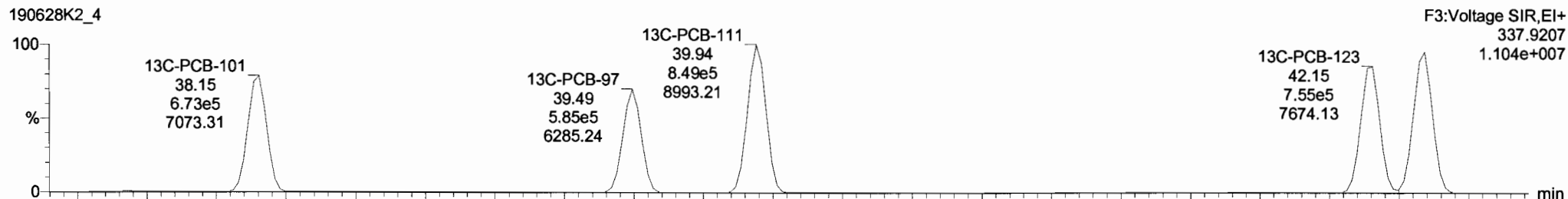


190628K2_4

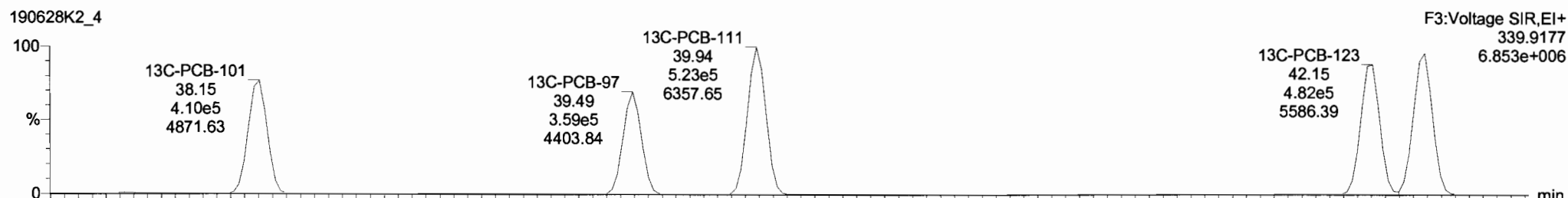


13C-PCB-111

190628K2_4

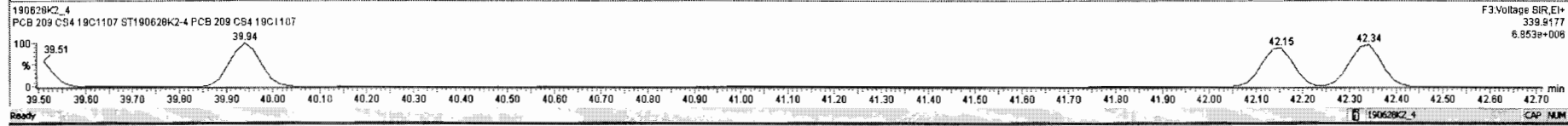
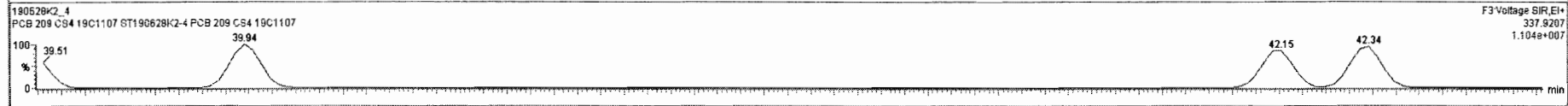
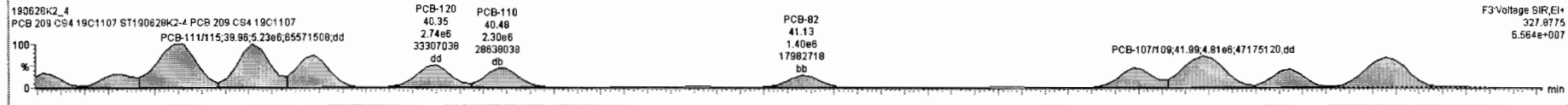
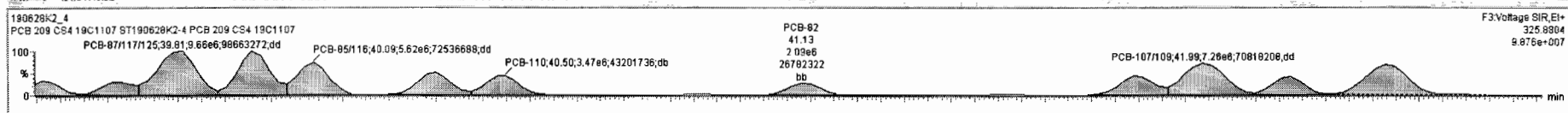


190628K2_4



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RR1	RR1 P/W	Conc.	%Rec	DL	EMPC
222	222 13C-PCB-79	1.52e6	0.78	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	99.56	99.6	0.0537	
223	223 13C-PCB-178	6.08e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	97.07	97.1	0.0672	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000		NO	1261		0.0412	1261
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000		NO	5092		0.394	5092
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000		NO	3323		0.104	3323
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.00	0.000		NO	6901		0.905	6901
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.00	0.000		NO	17700		1.87	17700
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.00	0.000		NO	17190		0.903	17190
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000		NO	2126		0.324	2126
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000		NO	5964		0.201	5964
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.00	0.000		NO	11930		2.12	11930
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.00	0.000		NO	9955		2.30	9955
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.00	0.000		NO	3818		0.302	3818

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1° Retn (Pred)	RA	n/y	EMPC	Conc.
1	84 PCB-104	33.13	33.15	3.629e6	2.403e6	1.560	1.51	NO	416.34	416.34
2	85 PCB-96	34.45	34.45	3.627e6	2.416e6	1.560	1.50	NO	416.63	416.63
3	66 PCB-103	35.01	35.01	2.885e6	1.895e6	1.590	1.52	NO	423.78	423.78
4	67 PCB-100	35.38	35.38	2.942e6	1.938e6	1.590	1.52	NO	430.88	430.88
5	68 PCB-94	35.69	35.67	2.268e6	1.501e6	1.590	1.51	NO	424.42	424.42
6	69 PCB-95/96/102	36.38	36.35	8.731e6	5.780e6	1.580	1.51	NO	1245.2	1245.2
7	70 PCB-93	36.51	36.50	2.418e6	1.588e6	1.590	1.52	NO	414.46	414.46



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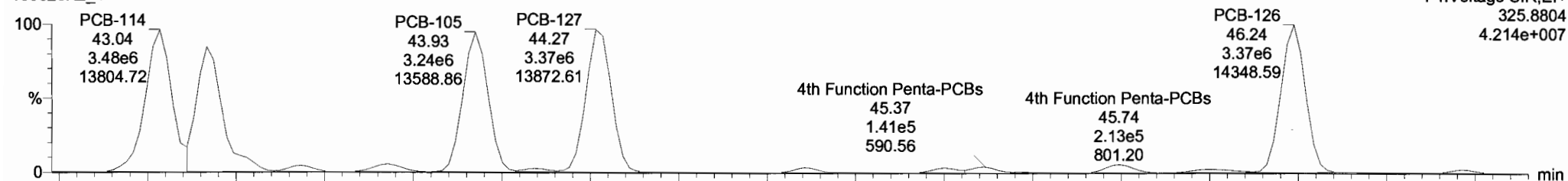
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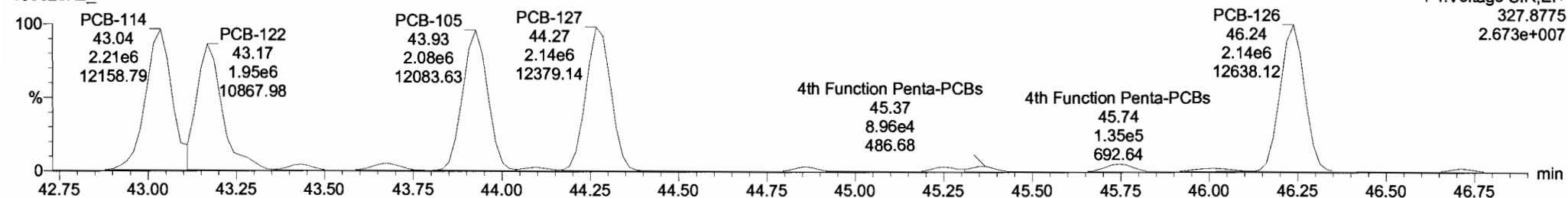
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PCB-114

190628K2_4

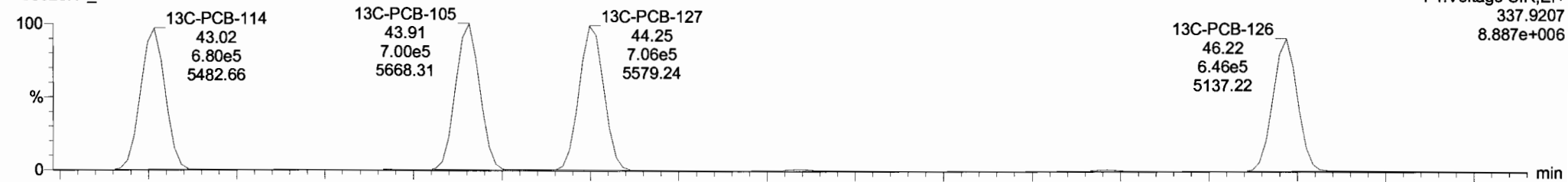


190628K2_4

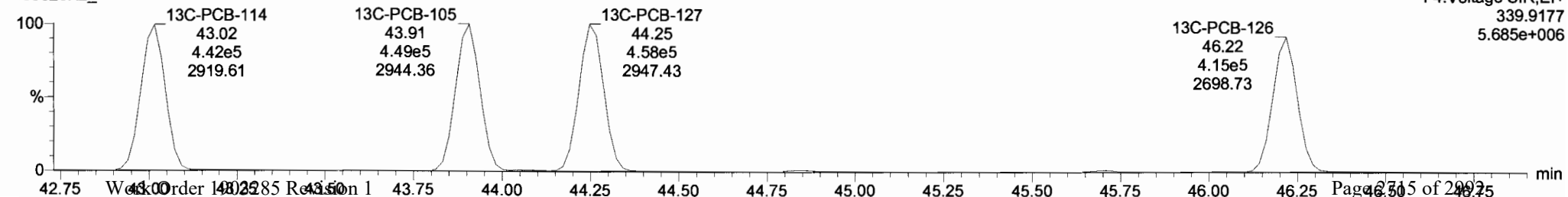


13C-PCB-114

190628K2_4

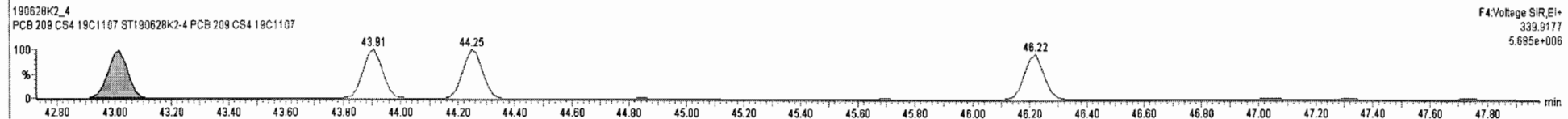
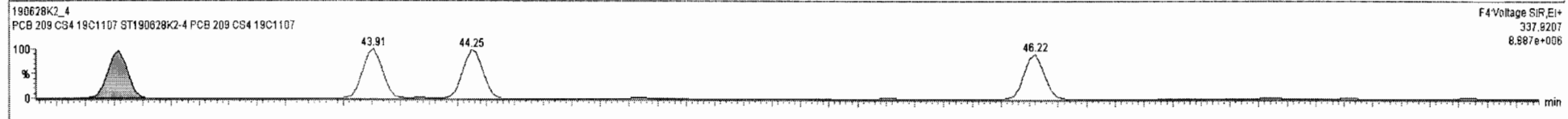
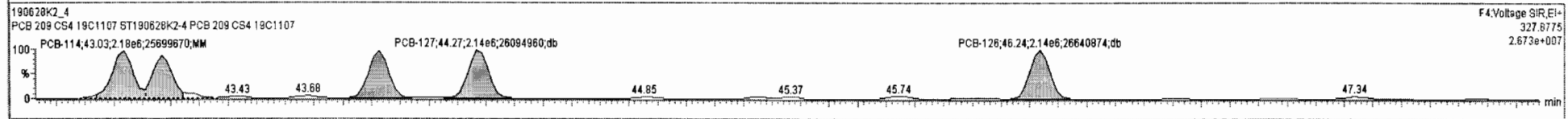
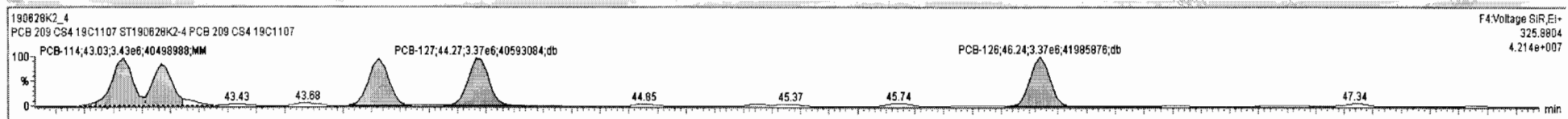


190628K2_4



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	1.52e6	0.78	NO	1.0454	1.000	36.46	36.47	0.968	0.968	NO	99.56	99.6	0.0537	
223	13C-PCB-178	6.08e5	0.46	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	97.07	97.1	0.0672	
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	1261		0.0412	1261
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	5092		0.394	5092
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	3323		0.104	3323
227	3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	6901		0.905	6901
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	17700		1.87	17700
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	17190		0.903	17190
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	2126		0.324	2126
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	5984		0.201	5984
232	4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	11930		2.12	11930
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	9955		2.30	9955
234	4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	3818		0.302	3818

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	43.04	43.03	3.428e6	2.181e6	1.580	1.57	NO	430.65	430.65
2	94 PCB-122	43.17	43.17	2.786e6	1.785e6	1.560	1.56	NO	419.12	419.12
3	95 PCB-105	43.92	43.92	3.242e6	2.075e6	1.550	1.56	NO	420.49	420.49
4	96 PCB-127	44.27	44.27	3.374e6	2.141e6	1.560	1.58	NO	427.75	427.75
5	97 PCB-126	46.24	46.24	3.366e6	2.143e6	1.560	1.57	NO	428.28	428.28

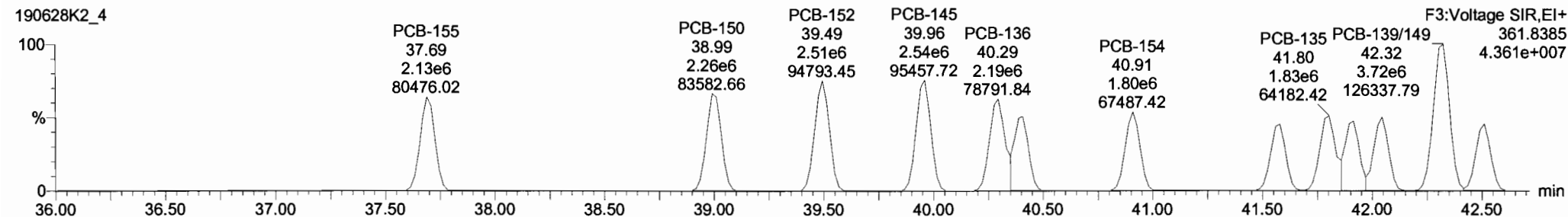
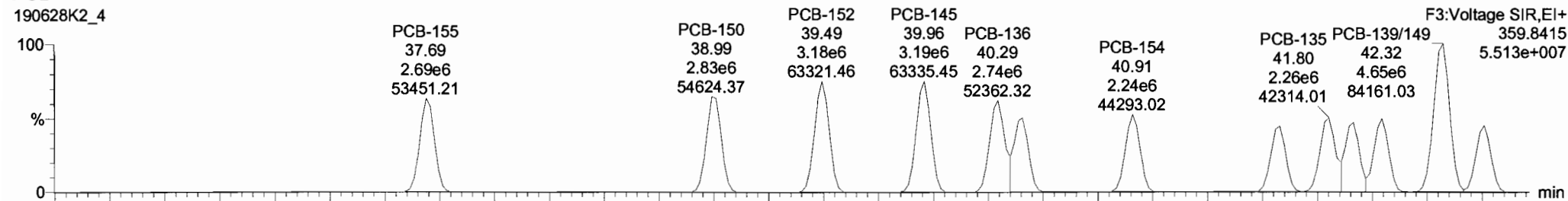


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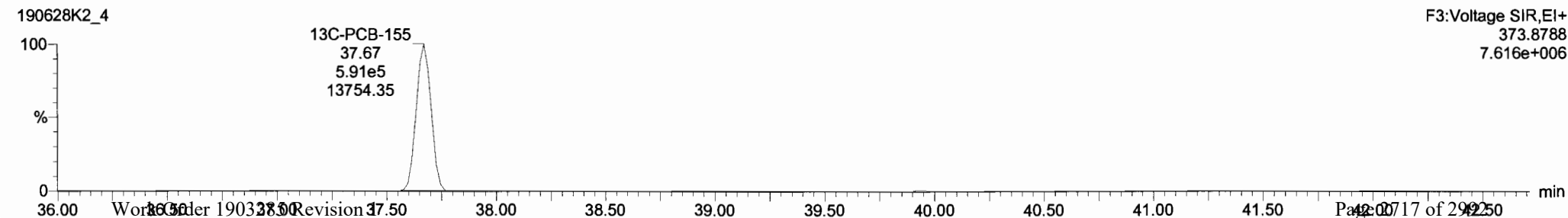
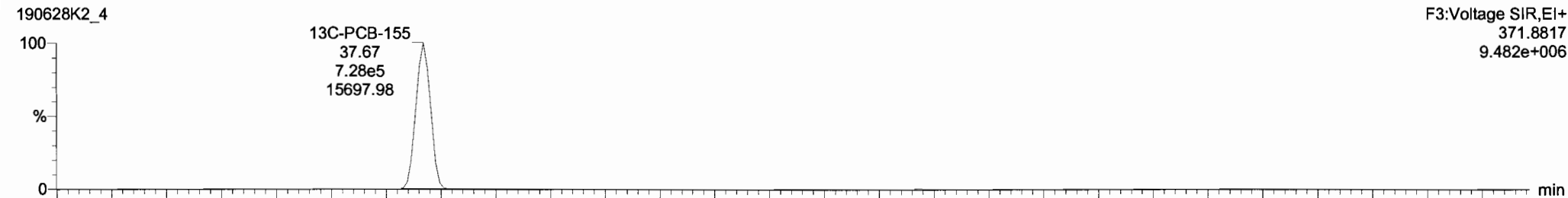
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Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-155



13C-PCB-155

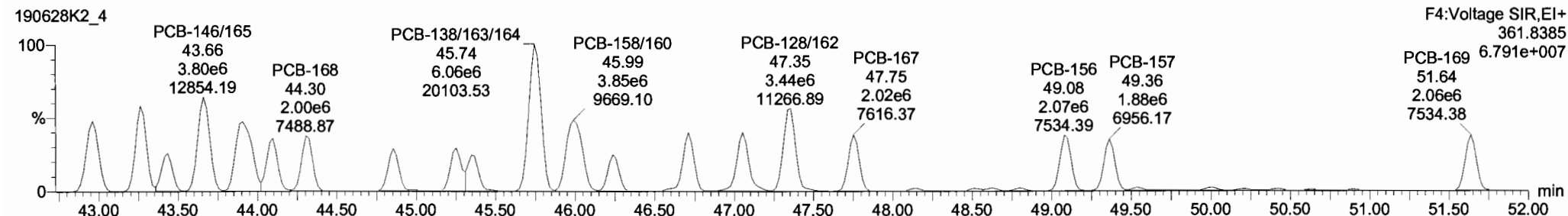
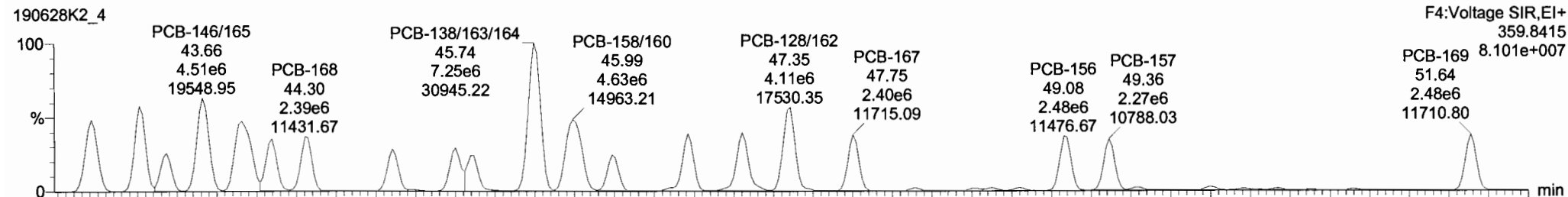


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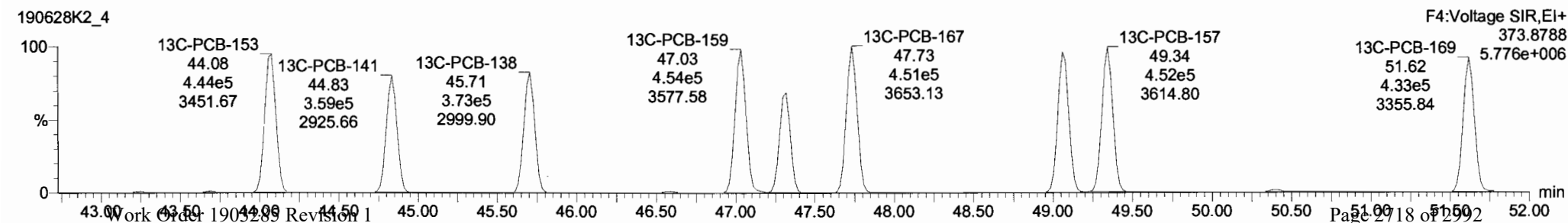
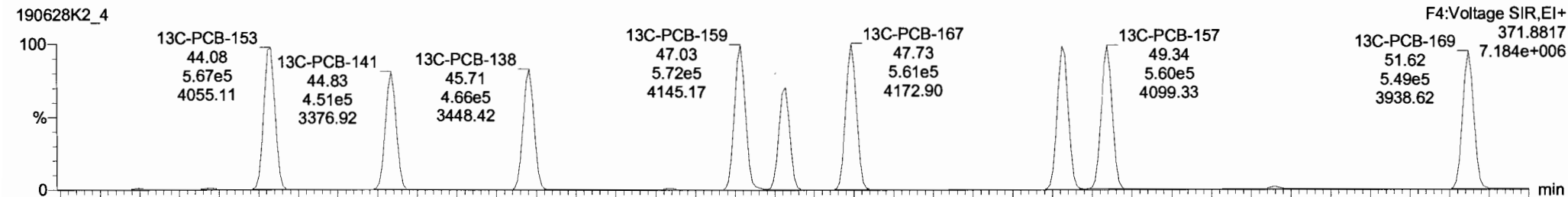
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Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

PCB-134/143



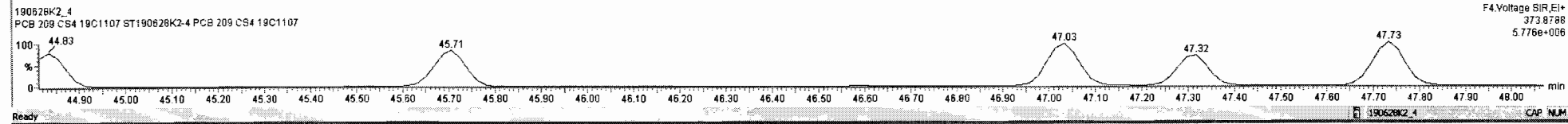
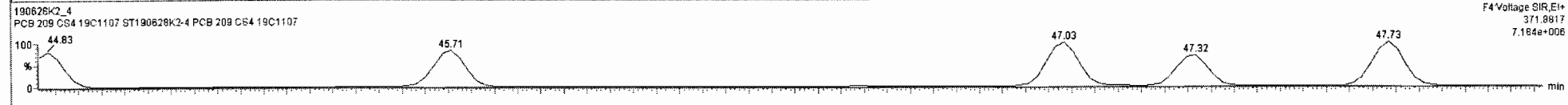
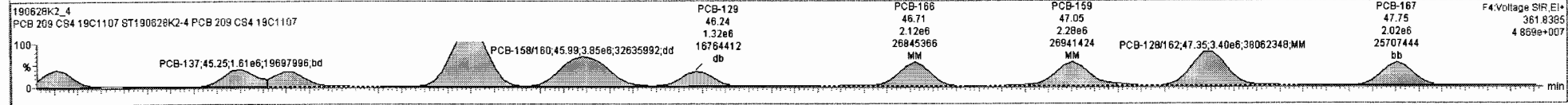
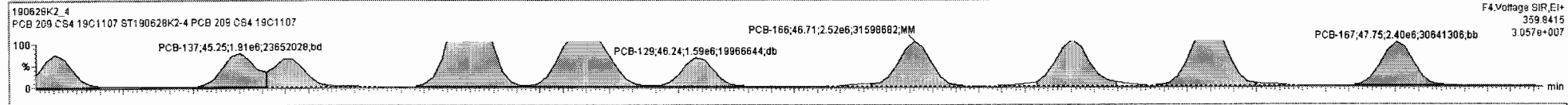
13C-PCB-153



190628K2_4 - ST190628K2-4 PCB 209 CS4 19C1107 - PCB 209 CS4 19C1107

#	Name	Resp	RA	n/Y	RF	wAmd	Pred.RT	RT	Pred.R	RRT	RRT.Fail	Conc	%Res	DL	EMPC
222	13C-PCB-78	1.52e6	0.78	NO	1.0454	1.000	38.46	38.47	0.968	0.968	NO	99.56	99.8	0.0537	
223	13C-PCB-178	6.08e5	0.46	NO	0.9748	1.000	46.58	46.58	0.924	0.924	NO	97.07	97.1	0.0672	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000	0.000	NO	1261		0.0412	1261
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000	0.000	NO	5092		0.394	5092
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000	0.000	NO	3323		0.104	3323
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.00	0.000	0.000	NO	6901		0.905	6901
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.00	0.000	0.000	NO	17700		1.87	17700
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.00	0.000	0.000	NO	17190		0.903	17190
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000	0.000	NO	2126		0.324	2126
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000	0.000	NO	5984		0.201	5984
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.00	0.000	0.000	NO	11930		2.12	11930
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.00	0.000	0.000	NO	9955		2.30	9955
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.00	0.000	0.000	NO	3818		0.302	3818

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/Y	EMPC	Conc
1	111 PCB-134/143	42.96	42.96	3.475e6	2.888e6	1.240	1.20	NO	858.07	858.07
2	112 PCB-131/133	43.26	43.26	3.713e6	3.108e6	1.240	1.20	NO	853.66	853.66
3	113 PCB-142	43.45	43.43	1.653e6	1.372e6	1.240	1.21	NO	422.47	422.47
4	114 PCB-146/165	43.66	43.66	4.509e6	3.805e6	1.240	1.18	NO	856.86	856.86
5	115 PCB-132/161	43.91	43.91	4.584e6	3.826e6	1.240	1.20	NO	853.51	853.51
6	116 PCB-153	44.10	44.10	2.313e6	1.940e6	1.240	1.19	NO	415.50	415.50
7	117 PCB-168	44.30	44.31	2.388e6	2.001e6	1.240	1.19	NO	425.76	425.76

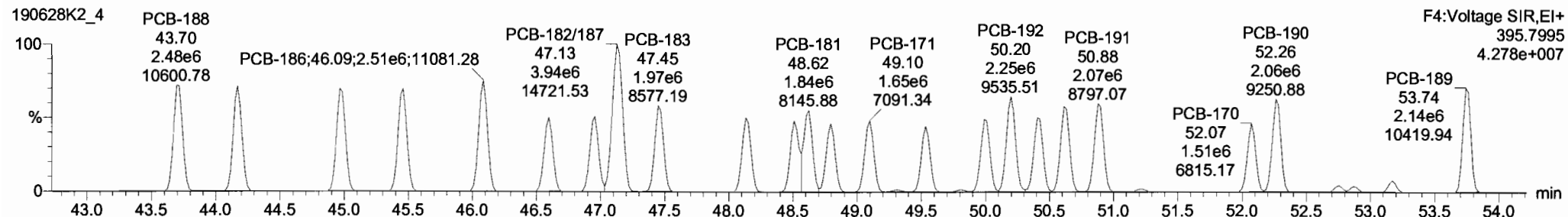
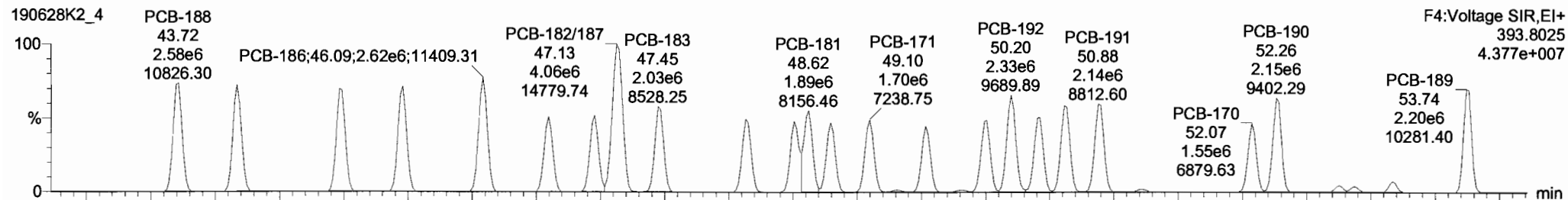


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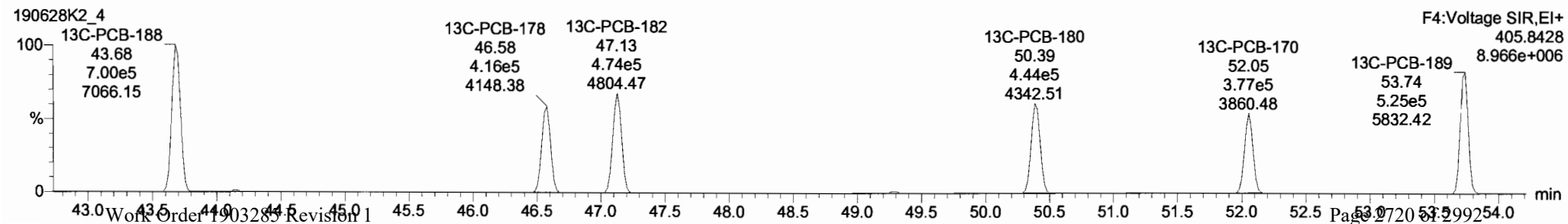
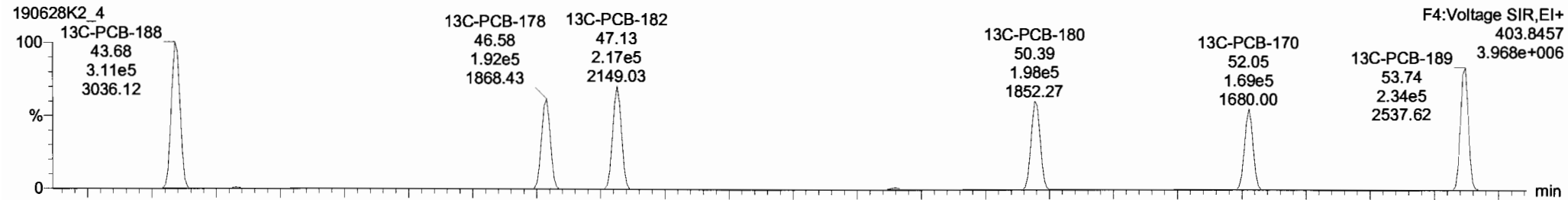
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PCB-188



13C-PCB-188



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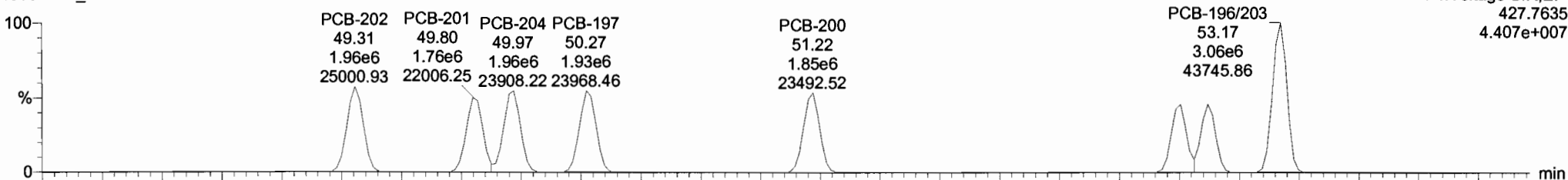
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PCB-202

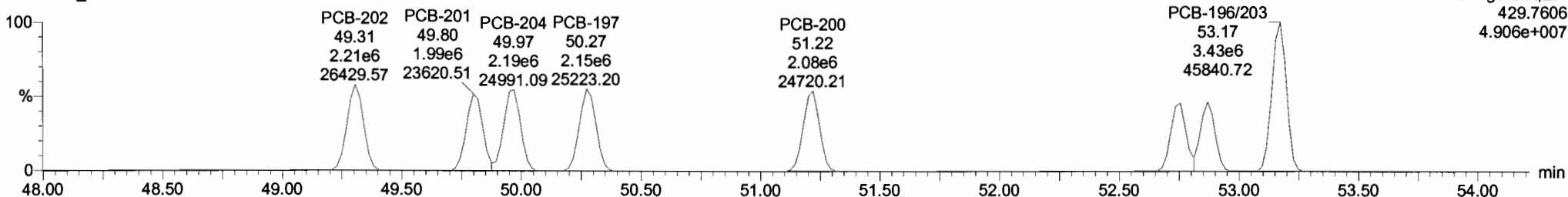
190628K2_4

F4:Voltage SIR,EI+
427.7635
4.407e+007



190628K2_4

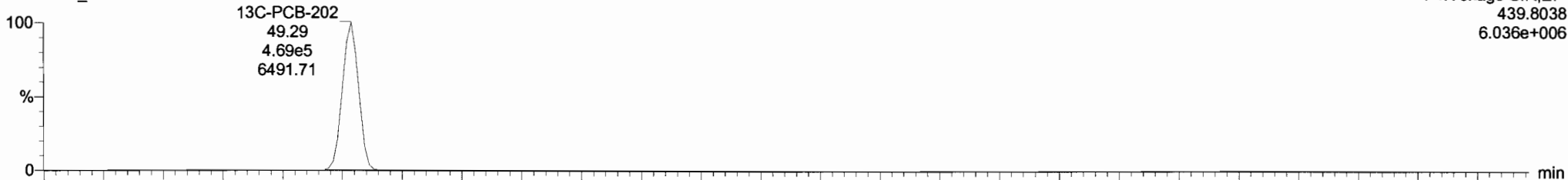
F4:Voltage SIR,EI+
429.7606
4.906e+007



13C-PCB-202

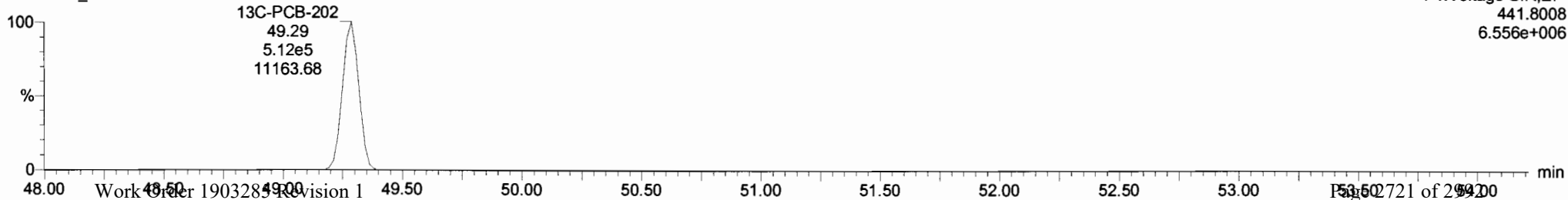
190628K2_4

F4:Voltage SIR,EI+
439.8038
6.036e+006



190628K2_4

F4:Voltage SIR,EI+
441.8008
6.556e+006

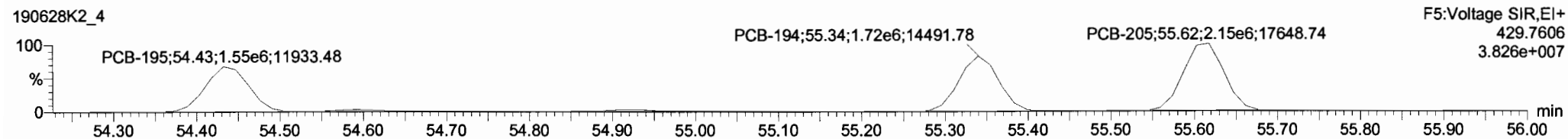
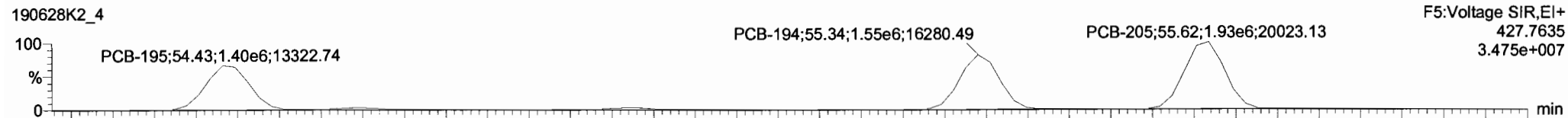


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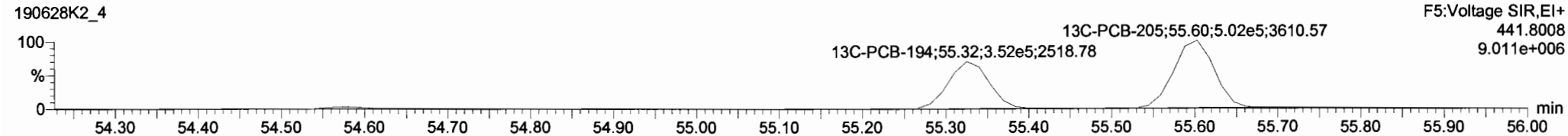
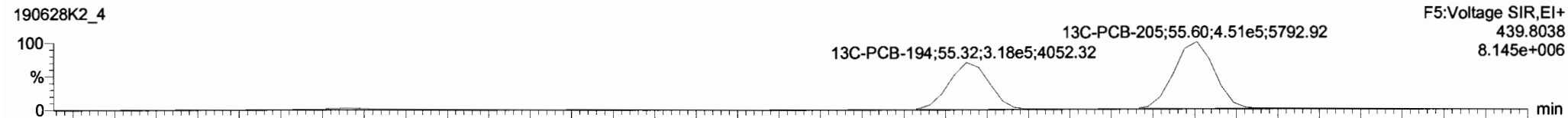
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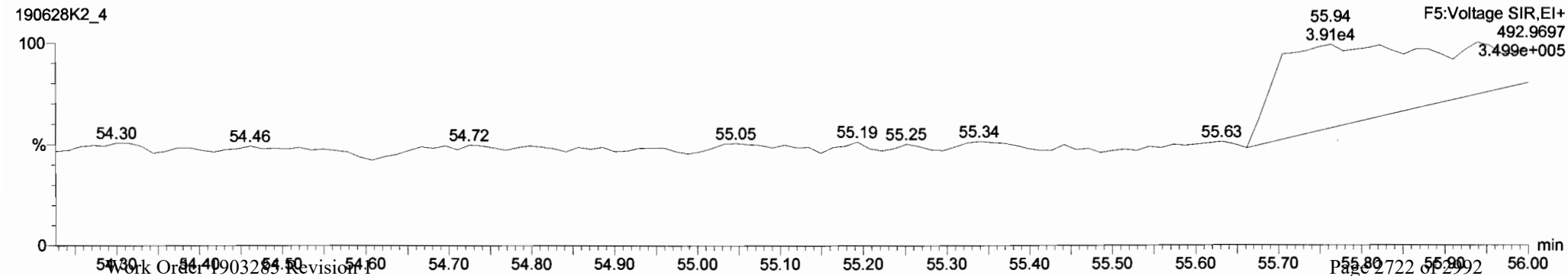
PCB-195



13C-PCB-194



PFK5

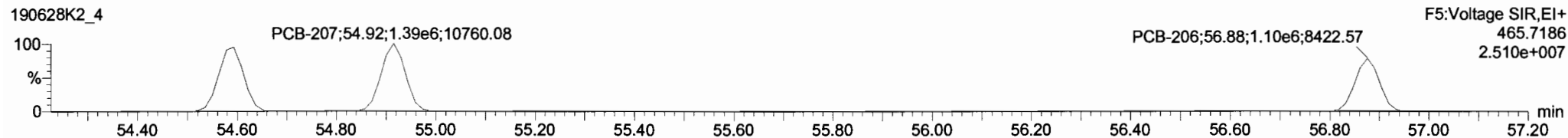
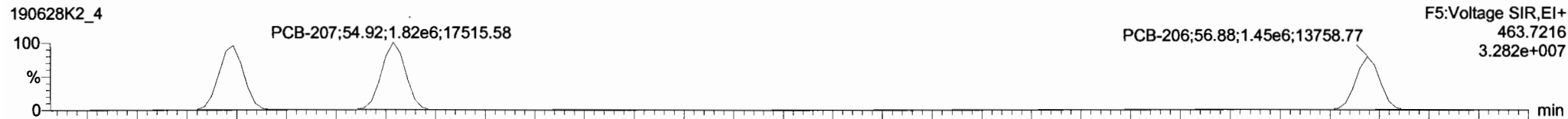


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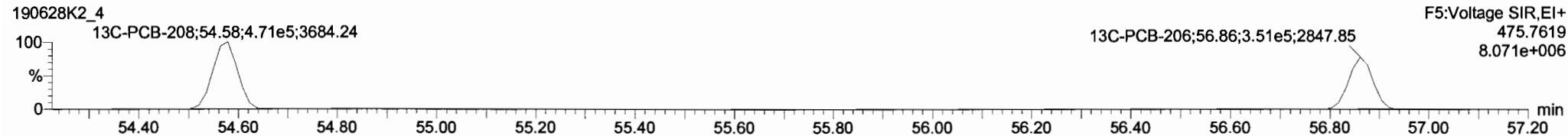
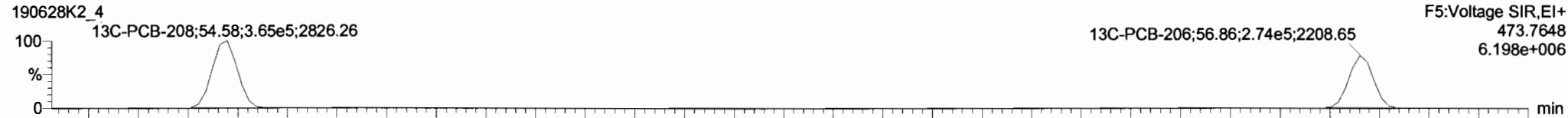
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_4, Date: 28-Jun-2019, Time: 19:38:24, ID: ST190628K2-4 PCB 209 CS4 19C1107, Description: PCB 209 CS4 19C1107

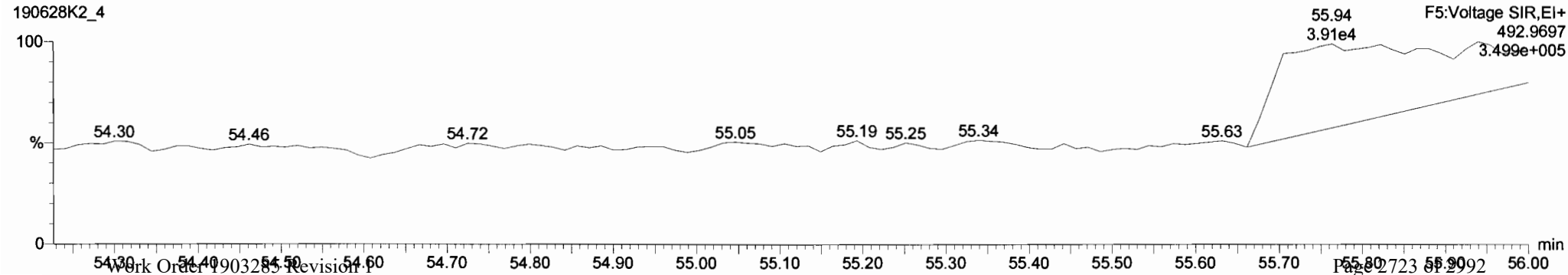
PCB-208



13C-PCB-208



PFK5



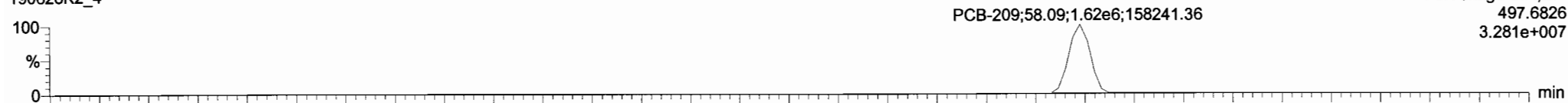
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Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
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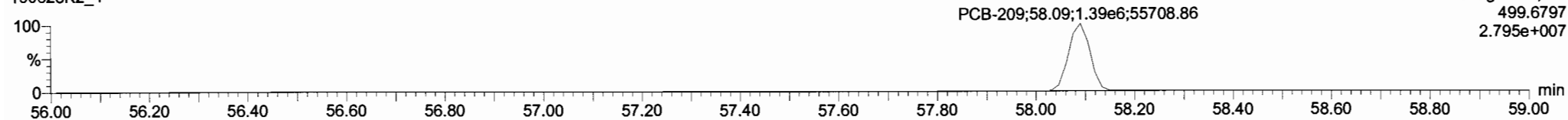
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PCB-209

190628K2_4

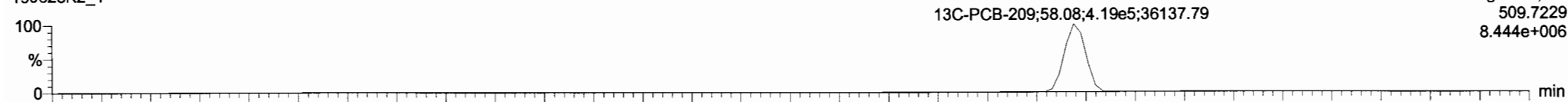


190628K2_4

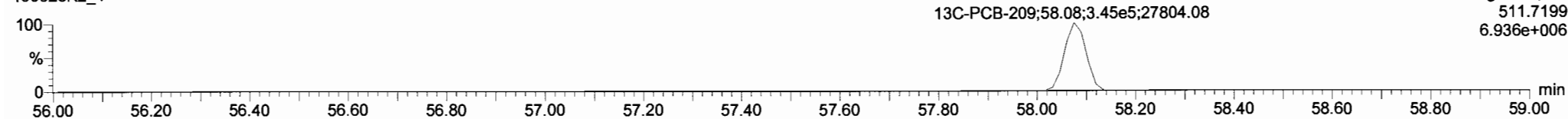


13C-PCB-209

190628K2_4

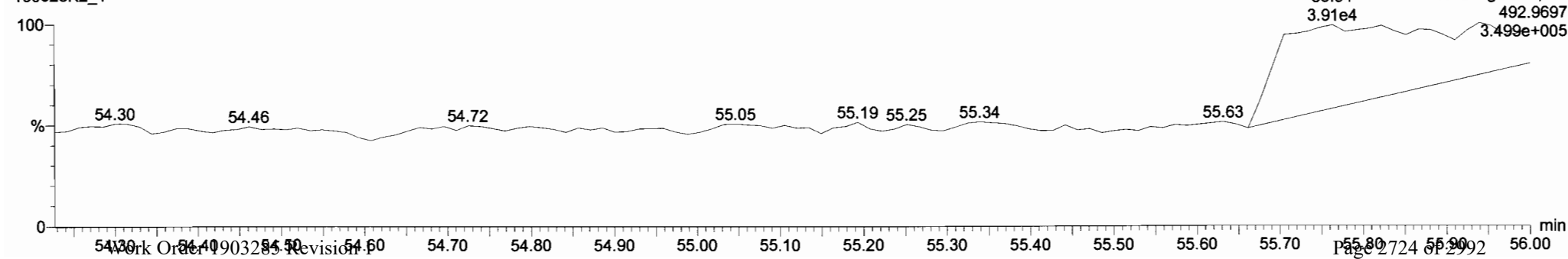


190628K2_4



PFK5

190628K2_4



Dataset: Untitled

Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time

Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

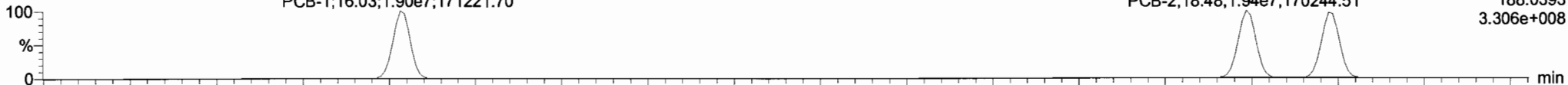
PCB-1

190628K2_5

PCB-1;16.03;1.90e7;171221.70

PCB-2;18.48;1.94e7;170244.51

F1:Voltage SIR,EI+
188.0393
3.306e+008

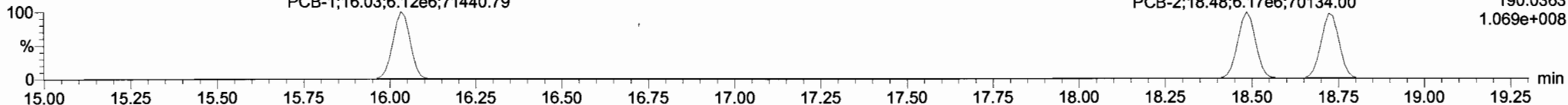


190628K2_5

PCB-1;16.03;6.12e6;71440.79

PCB-2;18.48;6.17e6;70134.00

F1:Voltage SIR,EI+
190.0363
1.069e+008



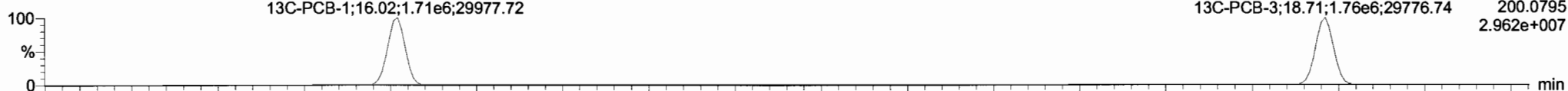
13C-PCB-1

190628K2_5

13C-PCB-1;16.02;1.71e6;29977.72

13C-PCB-3;18.71;1.76e6;29776.74

F1:Voltage SIR,EI+
200.0795
2.962e+007

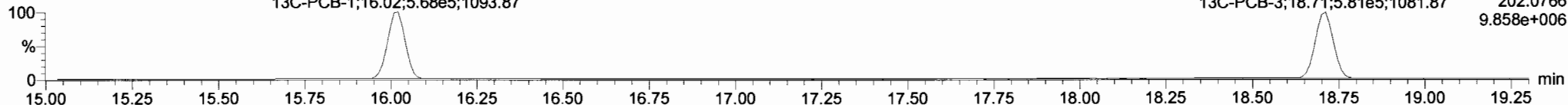


190628K2_5

13C-PCB-1;16.02;5.68e5;1093.87

13C-PCB-3;18.71;5.81e5;1081.87

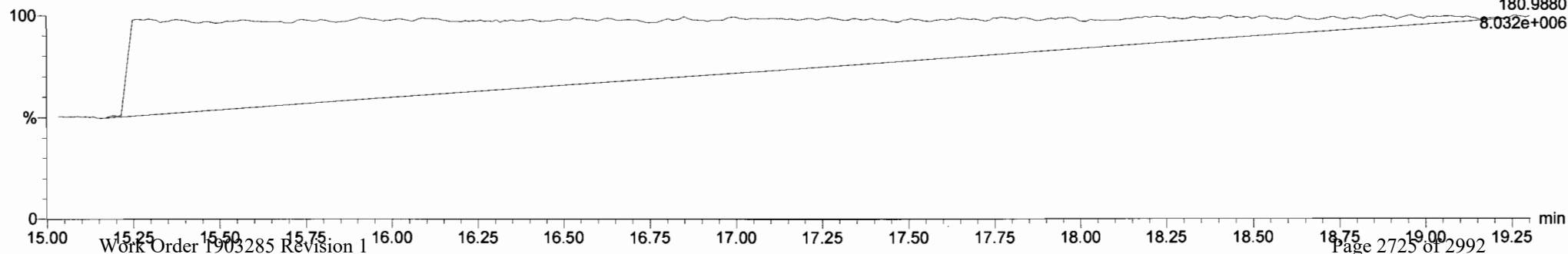
F1:Voltage SIR,EI+
202.0766
9.858e+006



PFK1

190628K2_5

F1:Voltage SIR,EI+
180.9880
8.032e+006



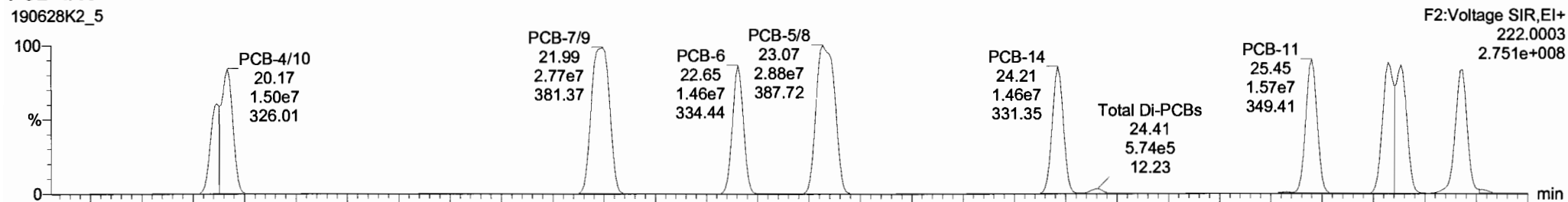
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

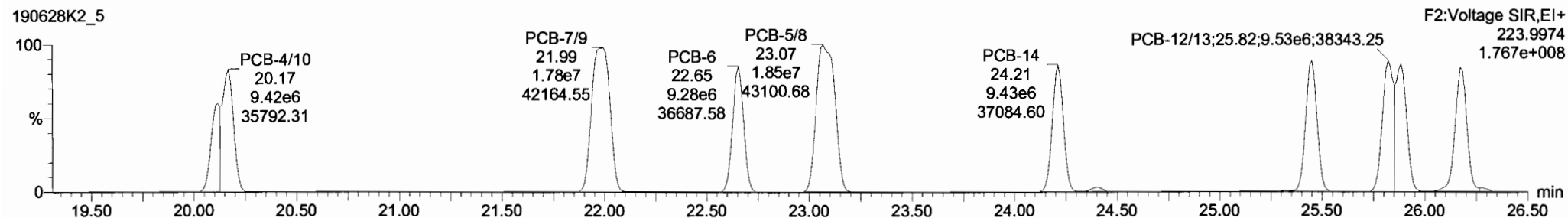
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PCB-4/10

190628K2_5

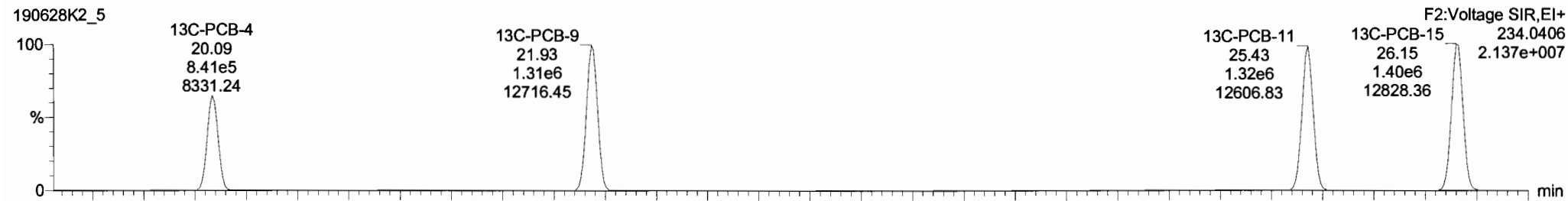


190628K2_5

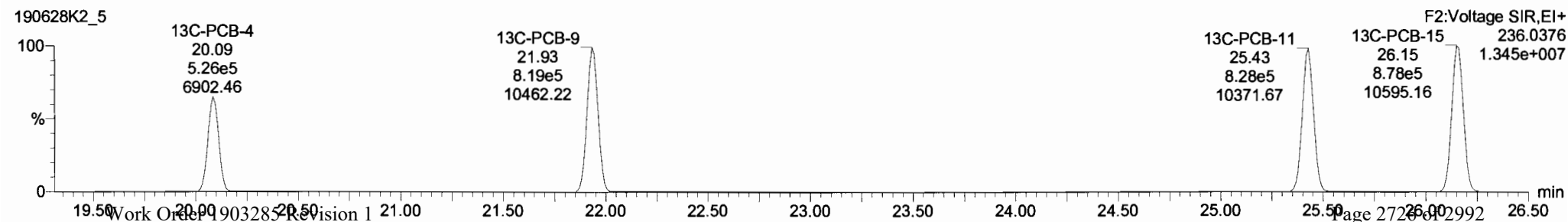


13C-PCB-4

190628K2_5



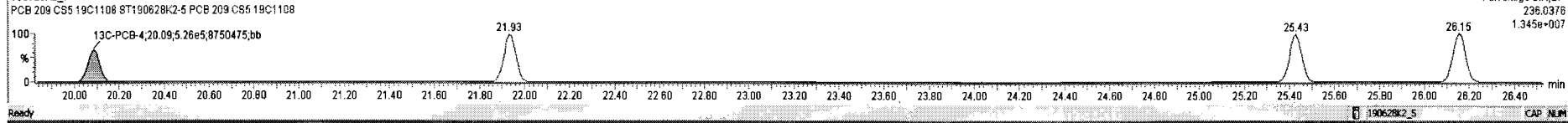
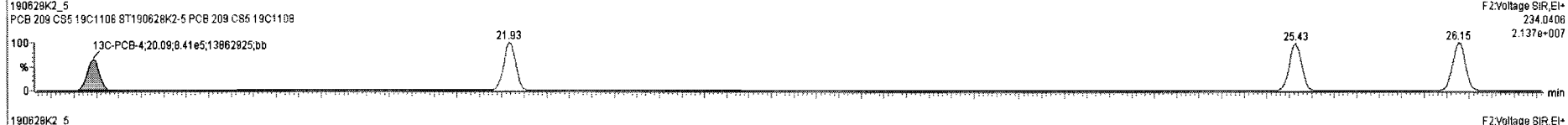
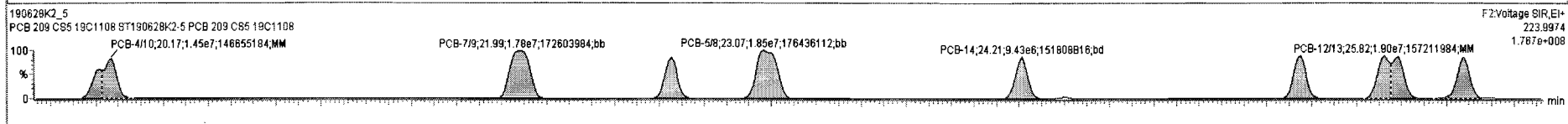
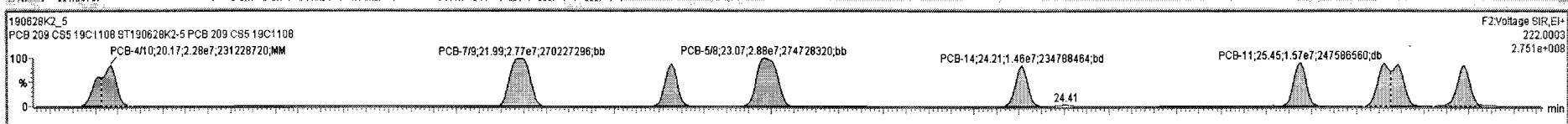
190628K2_5



190628K2_5 - ST190628K2_5 PCB 209 CS5 19C1108 - PCB 209 CS5 19C1108

#	Name	Resp	RA	n/y	RRF	wfVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	3246		0.0518	3246
225	225 Total Di-PCBs				4.0592	1.000	0.00		0.000		NO	13090		33.3	13090
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	8463		0.123	8463
227	227 3rd Function Tri-PCBs				1.0593	1.000	0.00		0.000		NO	17720		1.06	17720
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	45340		1.51	45340
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	44100		0.595	44100
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	5423		0.369	5423
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	15290		0.287	15290
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	30690		2.48	30690
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	25420		4.36	25420
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	9538		0.572	9538
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	3276		0.241	3276
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	3250		0.351	3250

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	** Ratio (Pres)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	20.17	20.17	2.284e7	1.448e7	1.560	1.56	NO	2140.3	2140.3
2	5 PCB-7/9	21.99	21.99	2.771e7	1.780e7	1.560	1.56	NO	2185.9	2185.9
3	6 PCB-6	22.84	22.85	1.457e7	9.281e6	1.560	1.57	NO	1099.3	1099.3
4	7 PCB-5/8	23.06	23.07	2.877e7	1.847e7	1.560	1.56	NO	2190.4	2190.4
5	8 PCB-14	24.22	24.21	1.459e7	9.427e6	1.560	1.55	NO	1083.6	1083.6
6	9 PCB-11	25.45	25.45	1.572e7	9.987e6	1.560	1.57	NO	1083.5	1083.5
7	10 PCB-12/13	25.82	25.82	2.943e7	1.895e7	1.560	1.55	NO	2173.9	2173.9



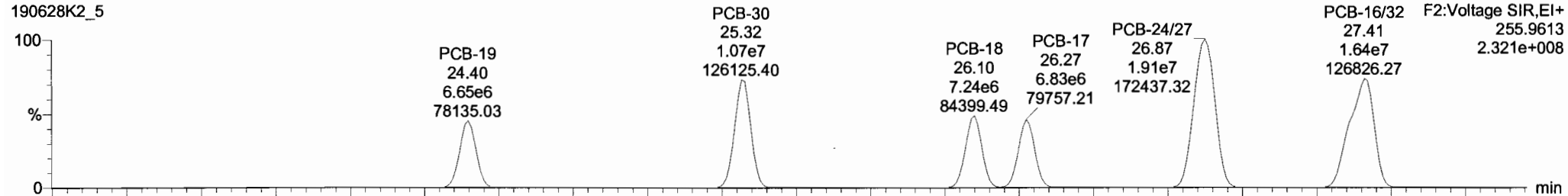
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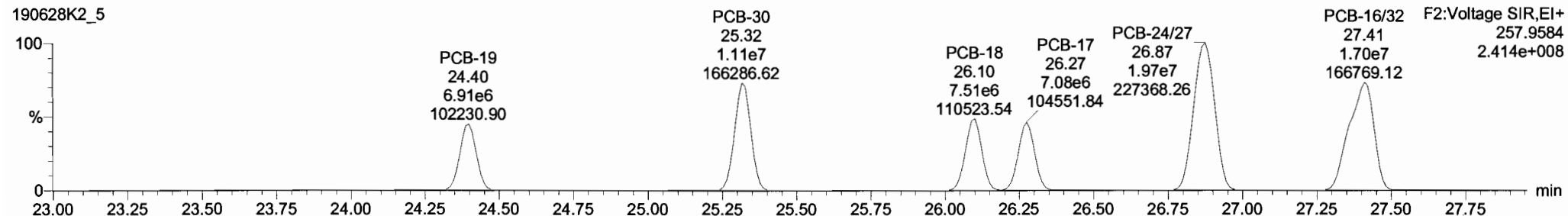
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PCB-19

190628K2_5

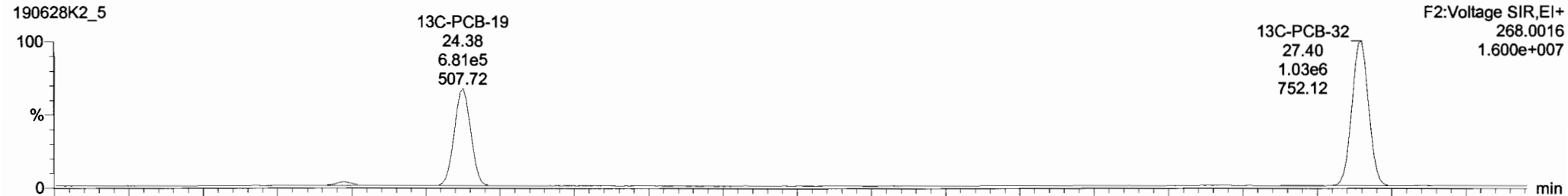


190628K2_5



13C-PCB-19

190628K2_5



190628K2_5



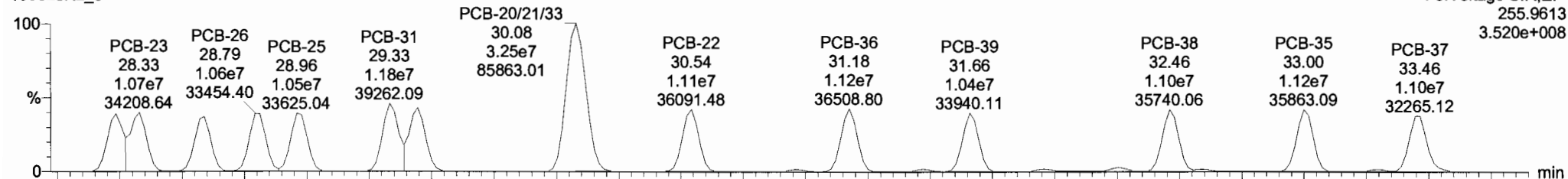
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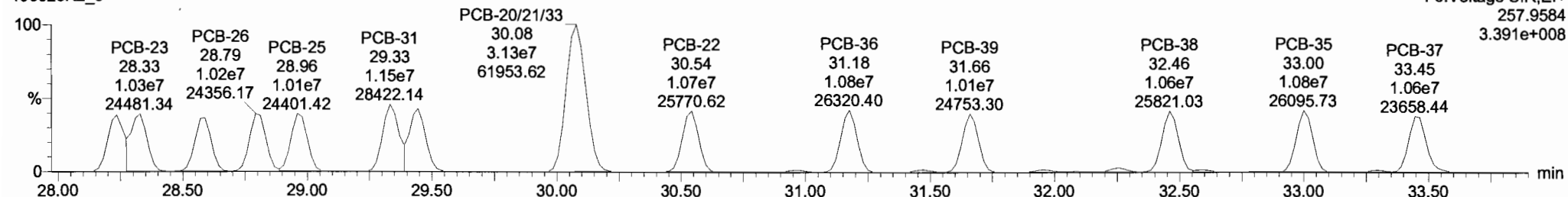
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-34

190628K2_5

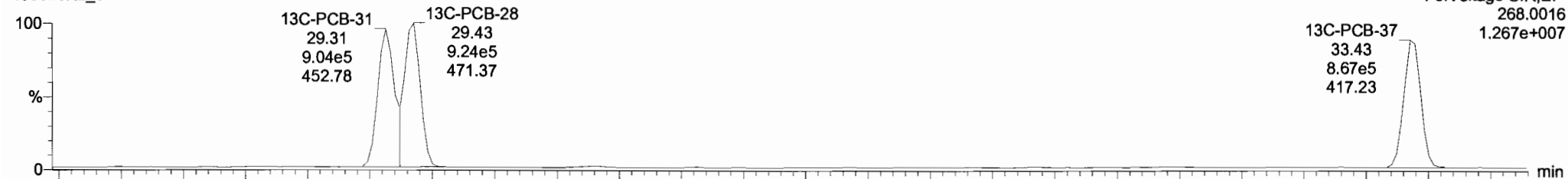


190628K2_5

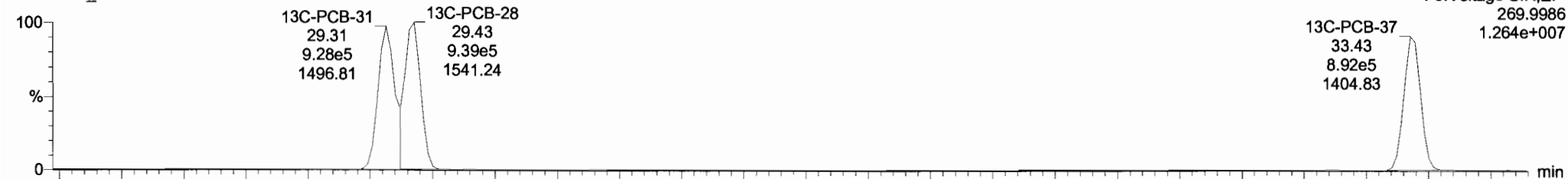


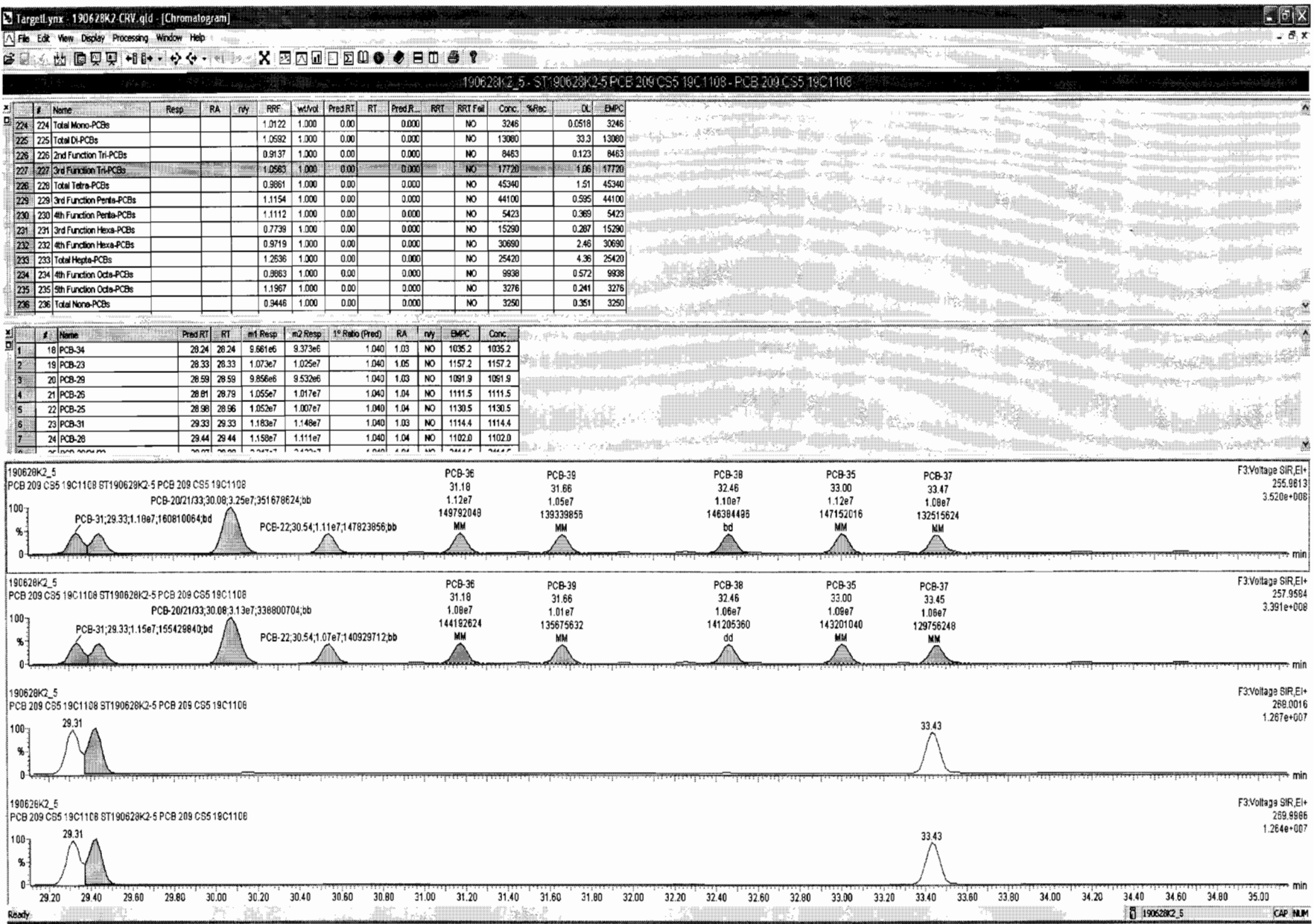
13C-PCB-28

190628K2_5



190628K2_5





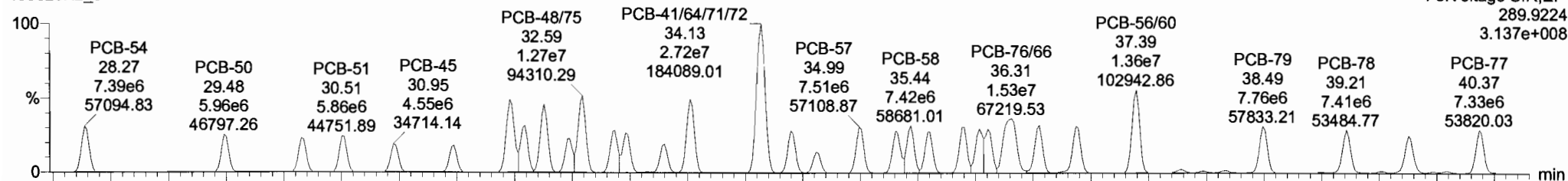
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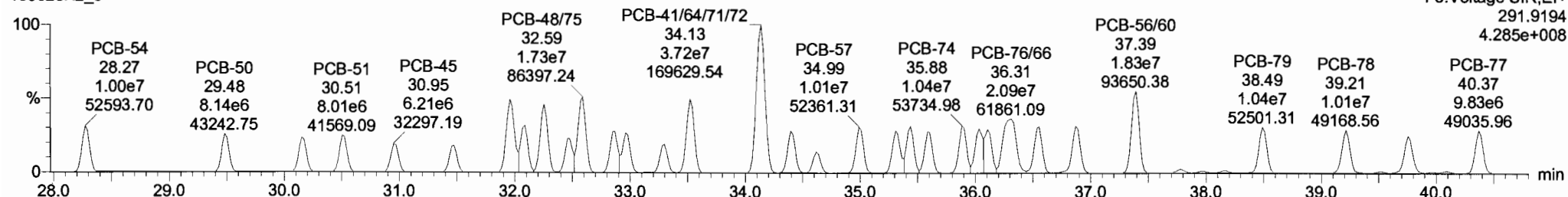
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PCB-54

190628K2_5

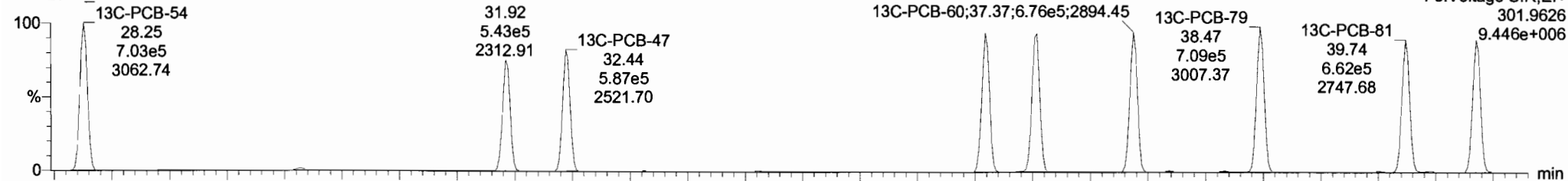


190628K2_5

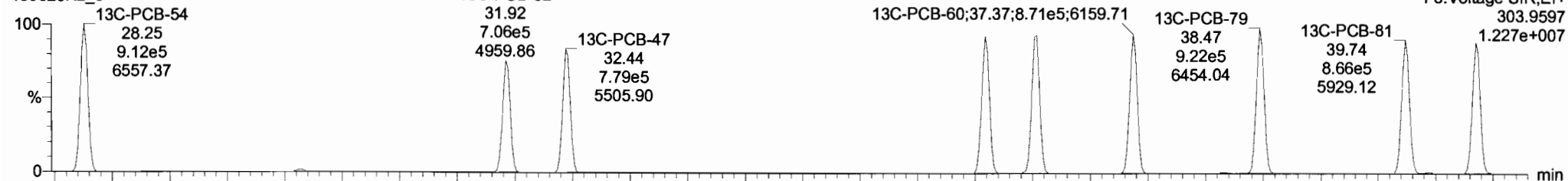


13C-PCB-54

190628K2_5



190628K2_5

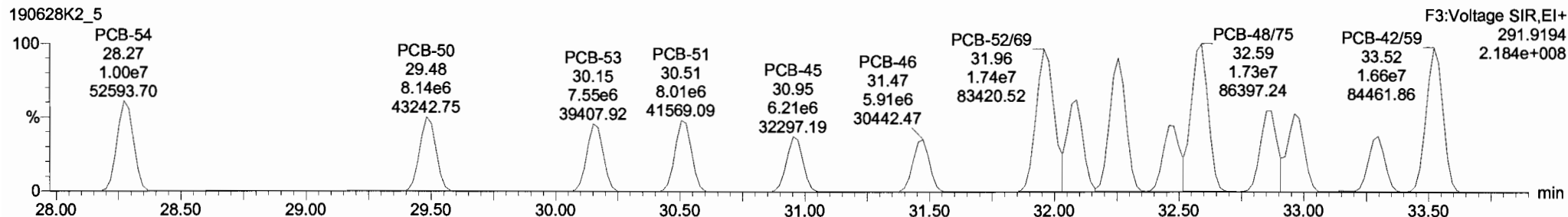
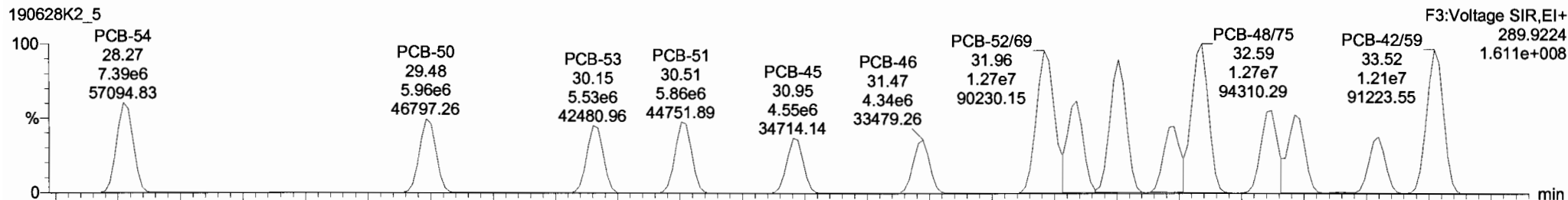


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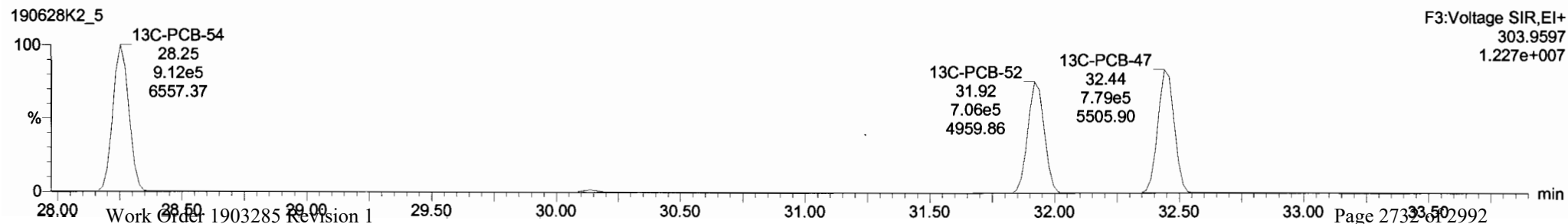
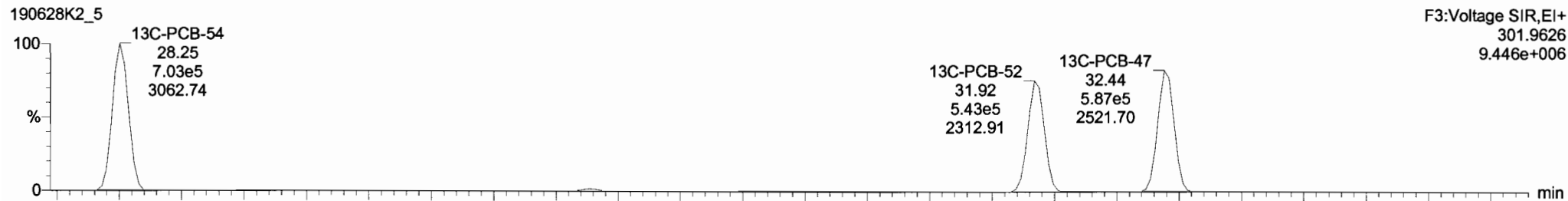
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-50



13C-PCB-52

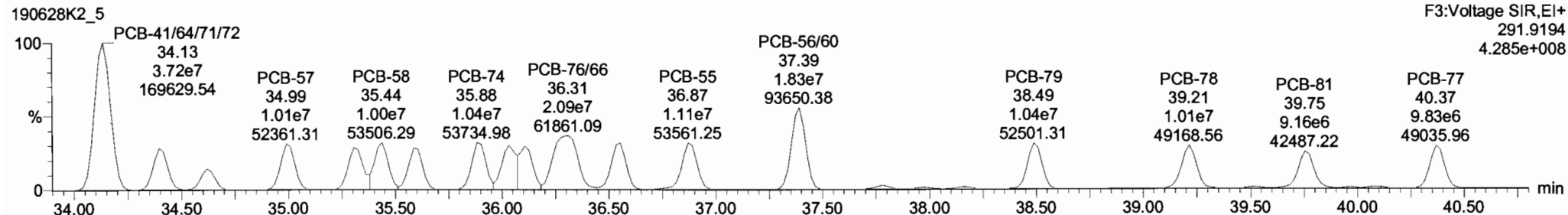
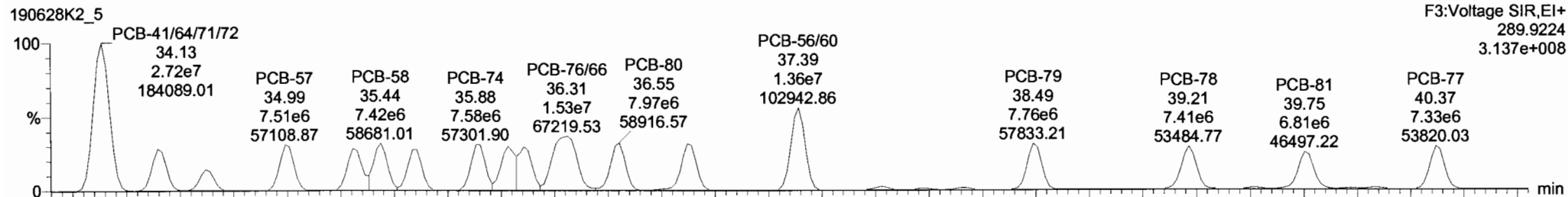


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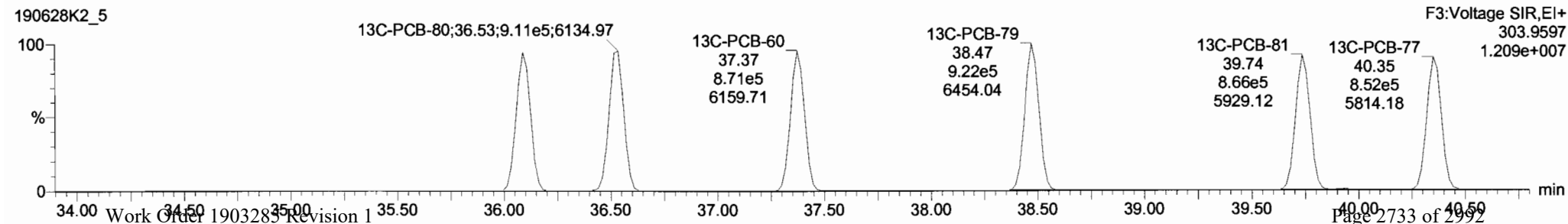
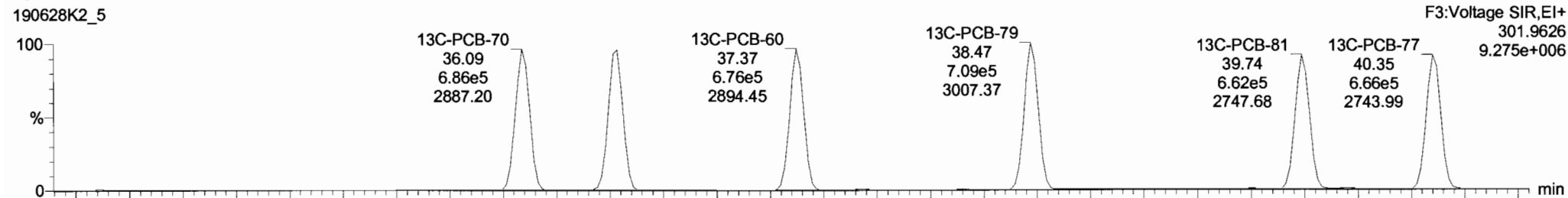
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-68

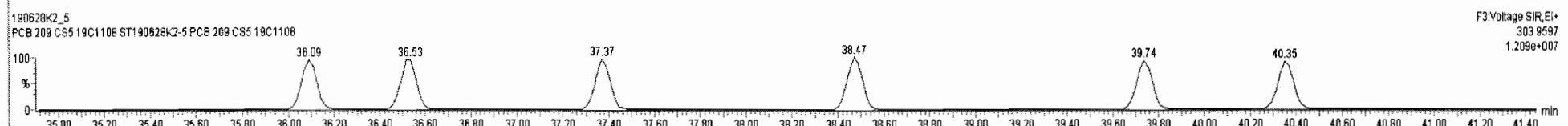
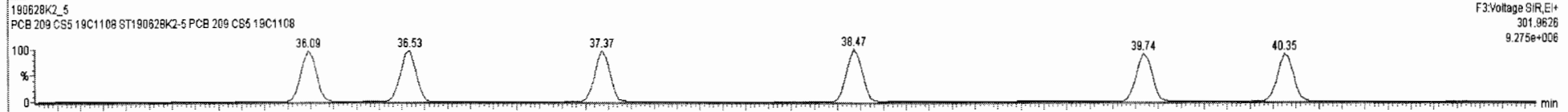
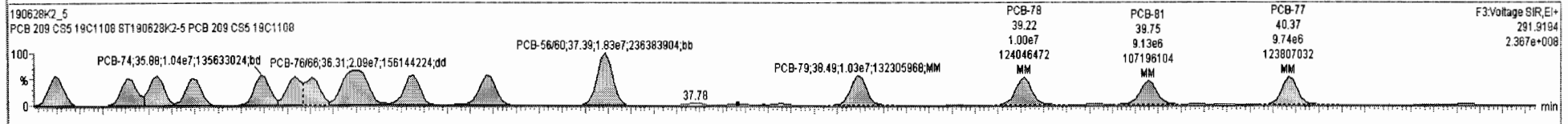
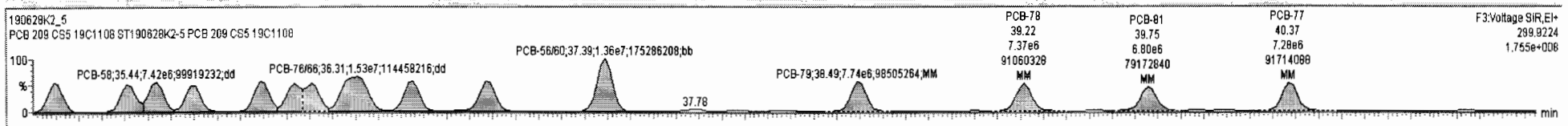


13C-PCB-60



#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.000			NO	3246		0.0518	3246
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.000			NO	13080		33.3	13080
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.000			NO	8463		0.123	8463
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.000			NO	17720		1.06	17720
228	228 Total Tetra-PCBs				0.9661	1.000	0.00	0.000			NO	45340		1.51	45340
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.000			NO	44100		0.595	44100
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.000			NO	5423		0.369	5423
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.000			NO	15290		0.287	15290
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00	0.000			NO	30690		2.46	30690
233	233 Total Hepta-PCBs				1.2636	1.000	0.00	0.000			NO	25420		4.36	25420
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00	0.000			NO	9938		0.572	9938
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00	0.000			NO	3276		0.241	3276
236	236 Total Nona-PCBs				0.9446	1.000	0.00	0.000			NO	3250		0.351	3250

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	28.27	28.27	7.392e6	1.004e7	0.770	0.74	NO	1094.4	1094.4
2	33 PCB-50	29.49	29.48	5.959e6	8.141e6	0.770	0.73	NO	1117.9	1117.9
3	34 PCB-53	30.16	30.15	5.527e6	7.549e6	0.770	0.73	NO	1096.4	1096.4
4	35 PCB-51	30.52	30.51	5.862e6	8.007e6	0.770	0.73	NO	1085.1	1085.1
5	36 PCB-45	30.96	30.95	4.549e6	6.211e6	0.770	0.73	NO	1066.5	1066.5
6	37 PCB-46	31.45	31.47	4.337e6	5.907e6	0.770	0.73	NO	1088.6	1088.6
7	38 PCB-52/69	31.96	31.96	1.273e7	1.745e7	0.770	0.73	NO	2213.5	2213.5



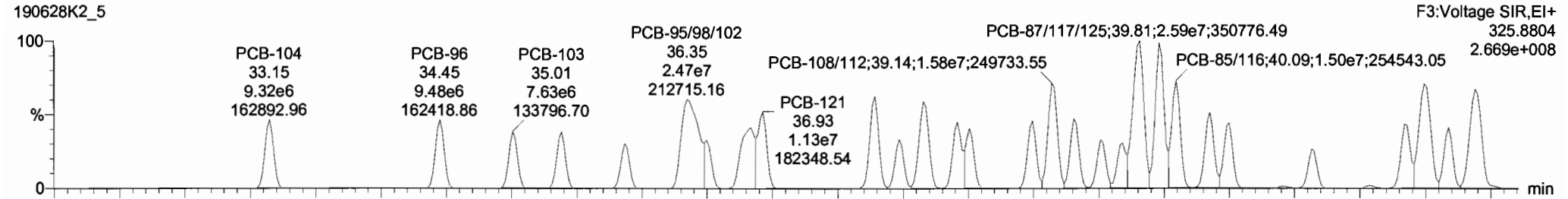
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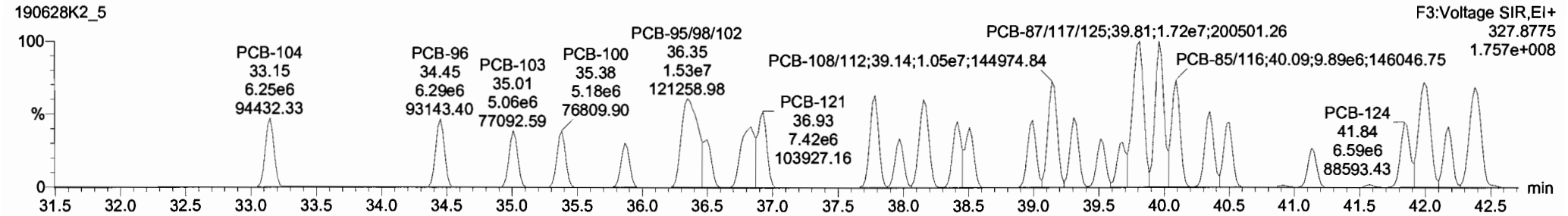
Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-104

190628K2_5

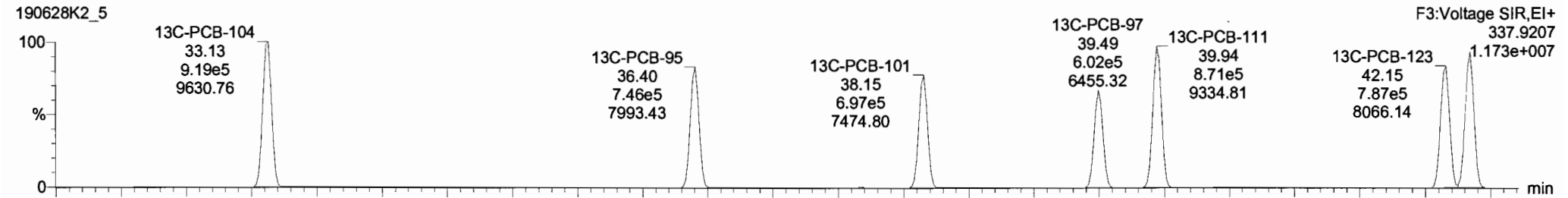


190628K2_5

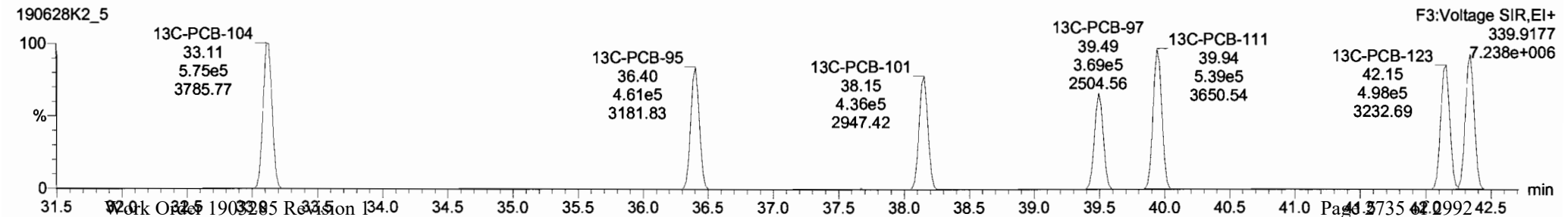


13C-PCB-104

190628K2_5

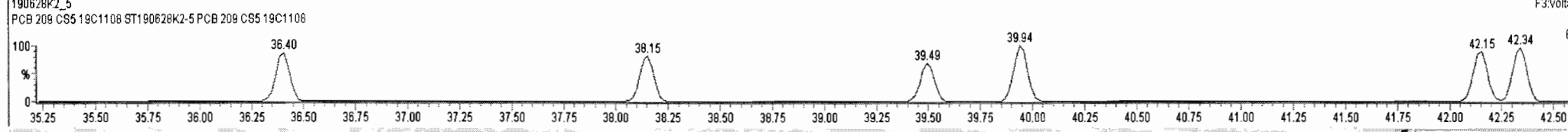
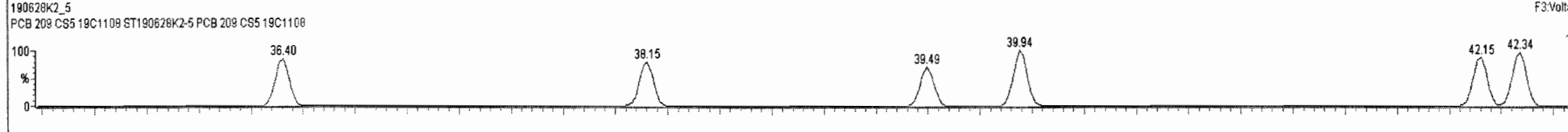
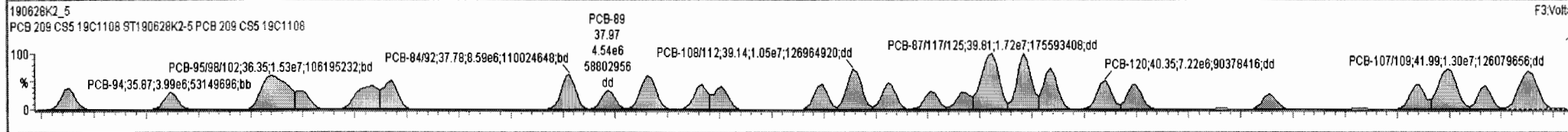
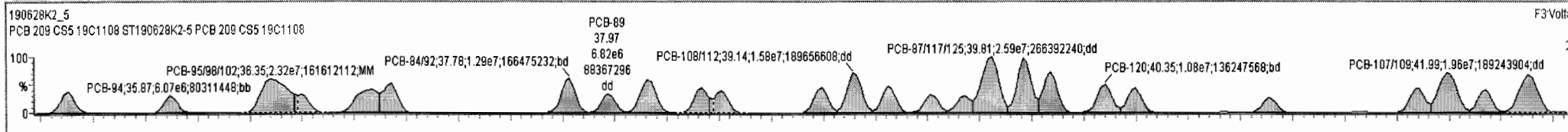


190628K2_5



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	3246		0.0518	3246
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	13080		33.3	13080
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	8463		0.123	8463
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	17720		1.06	17720
228	228 Total Tetra-PCBs				0.9981	1.000	0.00		0.000		NO	45340		1.51	45340
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	44100		0.595	44100
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	5423		0.389	5423
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	15290		0.287	15290
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	30690		2.46	30690
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	25420		4.36	25420
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	9938		0.572	9938
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	3276		0.241	3276
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	3250		0.351	3250

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	33.15	33.15	9.324e6	6.249e6	1.560	1.49	NO	1048.0	1048.0
2	65 PCB-96	34.47	34.45	9.481e6	6.289e6	1.560	1.51	NO	1060.0	1060.0
3	66 PCB-103	35.03	35.01	7.633e6	5.060e6	1.560	1.51	NO	1097.2	1097.2
4	67 PCB-100	35.40	35.38	7.774e6	5.181e6	1.560	1.50	NO	1115.1	1115.1
5	68 PCB-94	35.89	35.87	6.072e6	3.993e6	1.560	1.52	NO	1078.1	1078.1
6	69 PCB-95/98/102	36.38	36.35	2.316e7	1.533e7	1.560	1.51	NO	3142.1	3142.1
7	70 PCB-93	36.51	36.50	6.642e6	4.339e6	1.560	1.53	NO	1081.7	1081.7



Vista Analytical Laboratory VG-11

Dataset: Untitled

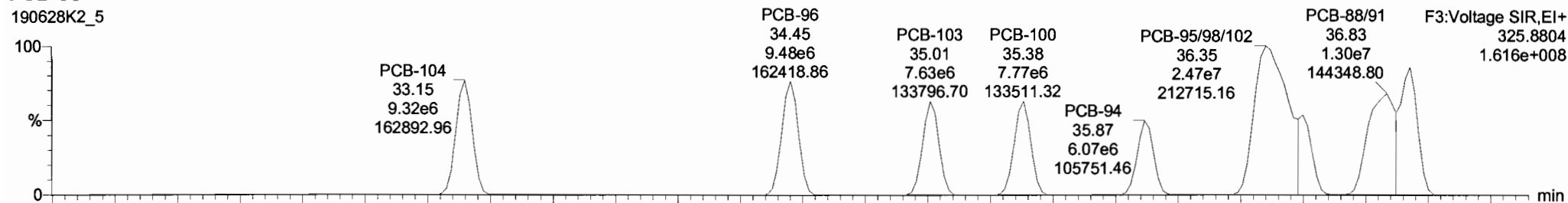
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Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

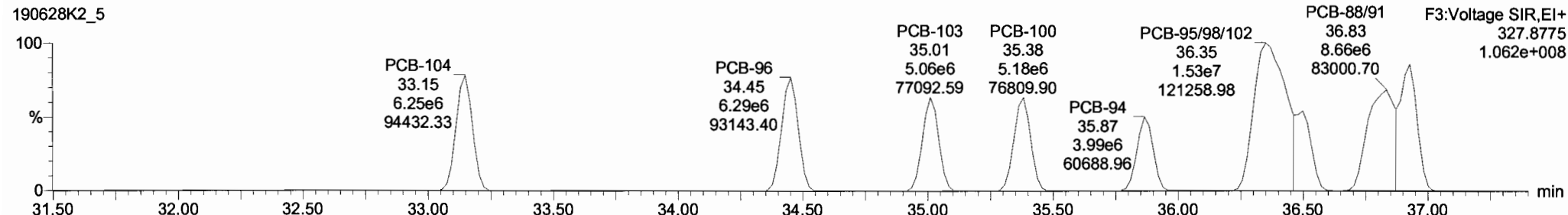
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PCB-96

190628K2_5

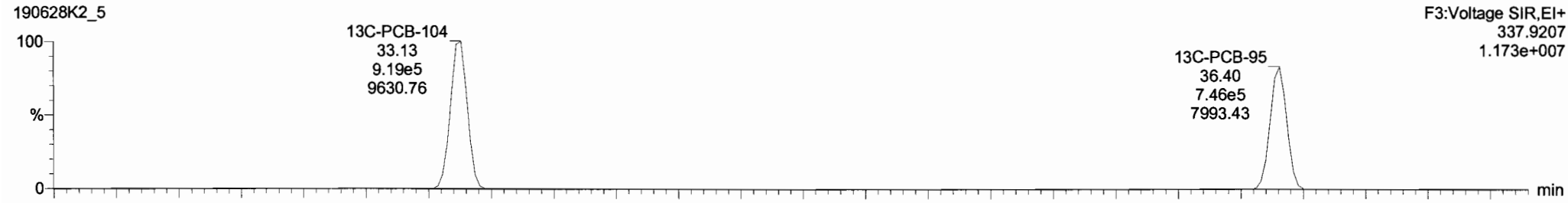


190628K2_5

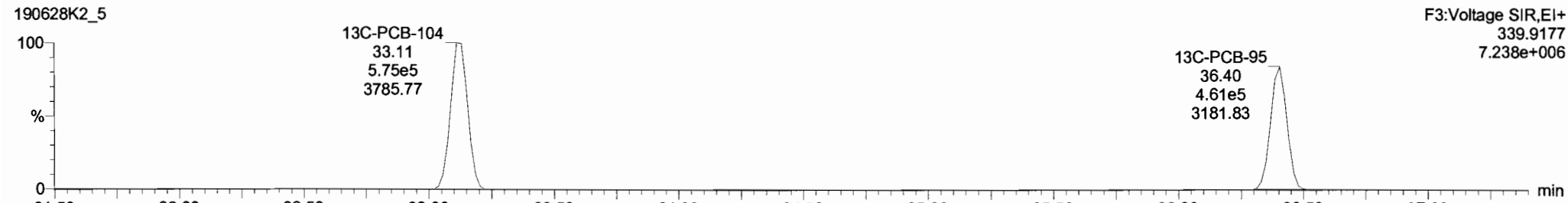


13C-PCB-95

190628K2_5



190628K2_5



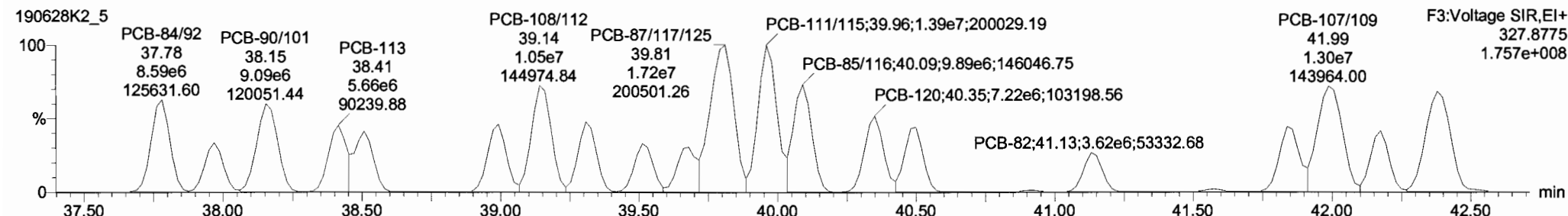
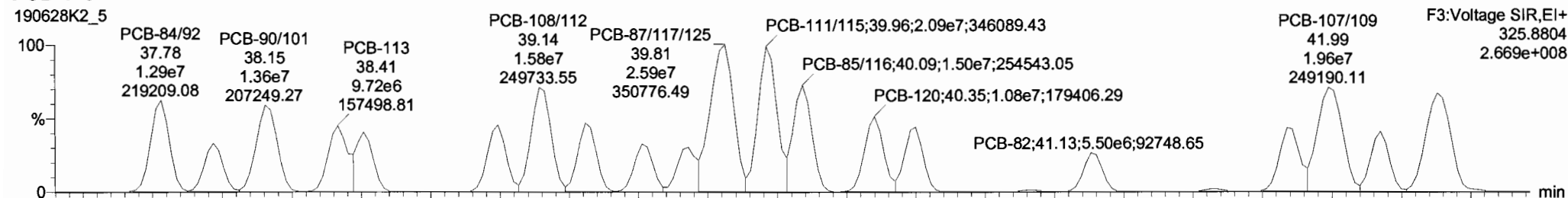
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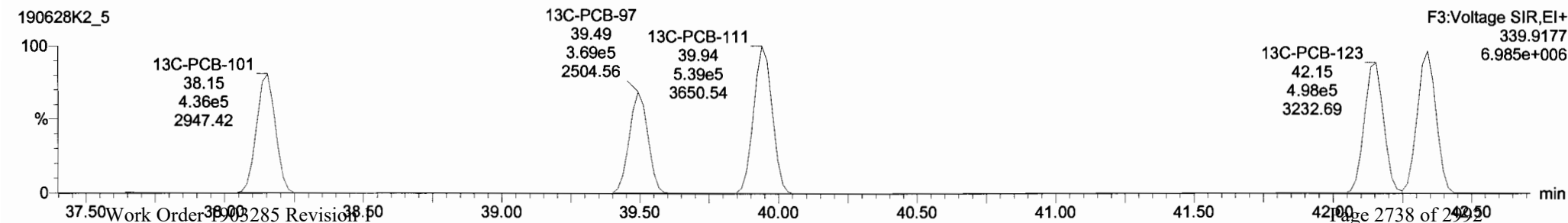
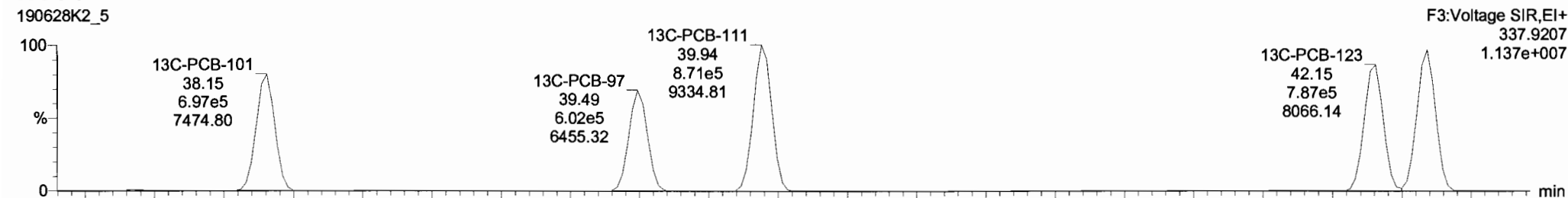
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-119



13C-PCB-111

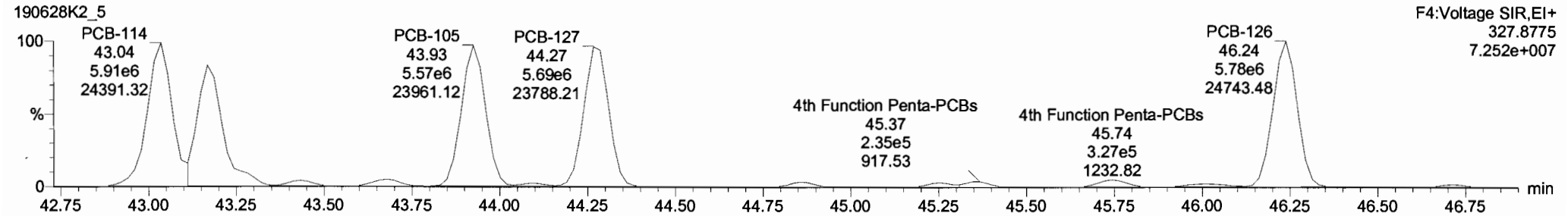
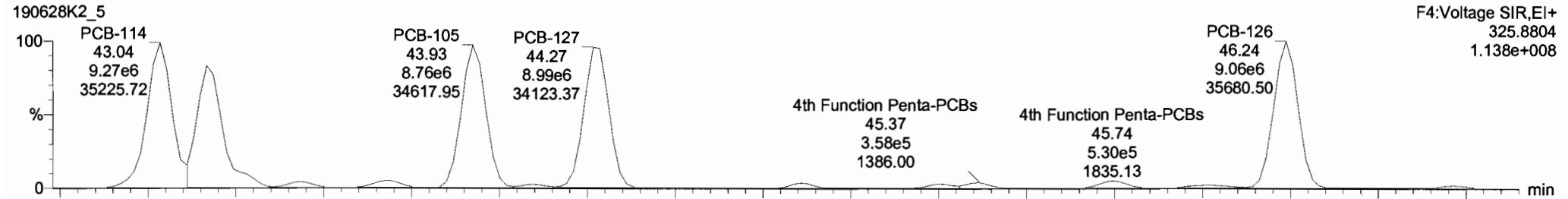


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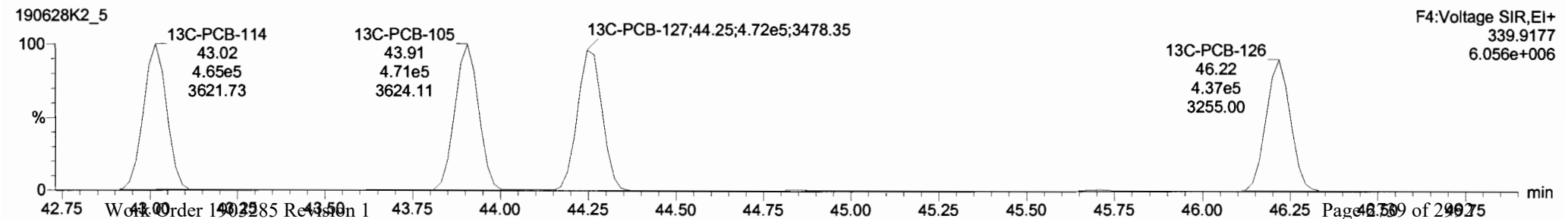
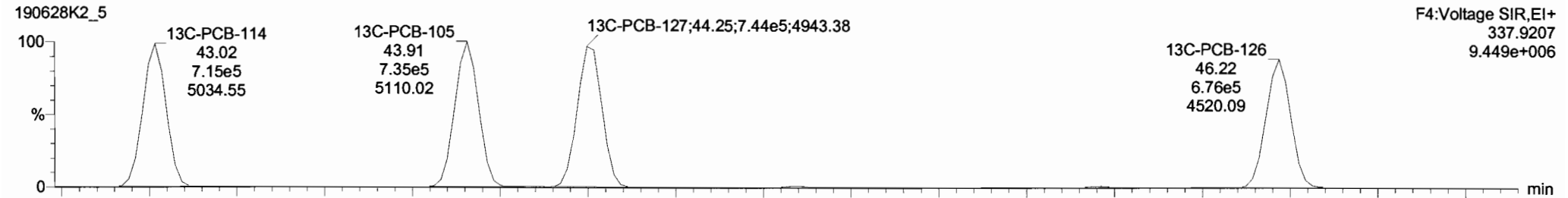
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-114

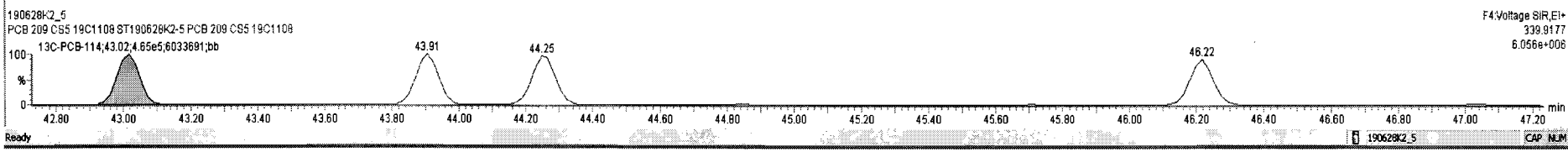
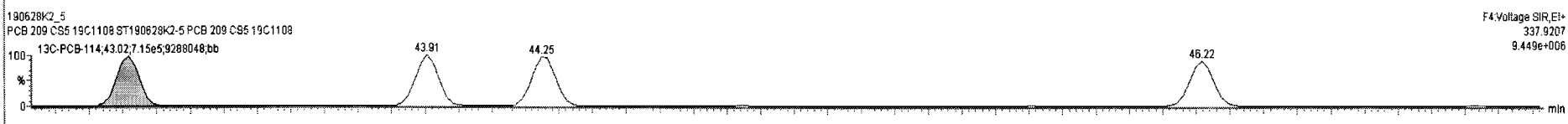
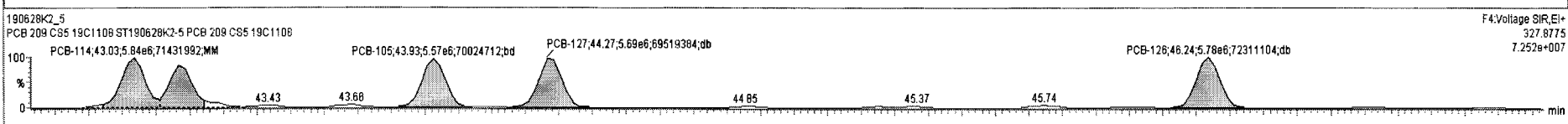
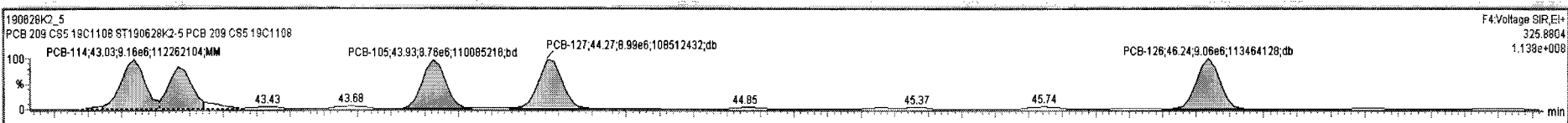


13C-PCB-114



#	Name	Resp	RA	n/y	RRF	w/wol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	3246		0.0518	3246
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	13080		33.3	13080
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	8463		0.123	8463
227	227 3rd Function Tri-PCBs				1.0583	1.000	0.00		0.000		NO	17720		1.05	17720
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	45340		1.51	45340
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	44100		0.595	44100
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	5423		0.369	5423
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	15290		0.287	15290
232	232 4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	30690		2.46	30690
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	25420		4.36	25420
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	9938		0.572	9938
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	3276		0.241	3276
236	236 Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	3250		0.351	3250

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	43.04	43.03	9.158e6	5.840e6	1.560	1.57	NO	1094.2	1094.2
2	94 PCB-122	43.17	43.17	7.429e6	4.724e6	1.560	1.57	NO	1059.1	1059.1
3	95 PCB-105	43.92	43.93	8.763e6	5.570e6	1.550	1.57	NO	1079.4	1079.4
4	96 PCB-127	44.27	44.27	8.988e6	5.693e6	1.560	1.58	NO	1089.8	1089.8
5	97 PCB-126	46.24	46.24	9.058e6	5.784e6	1.560	1.57	NO	1100.0	1100.0

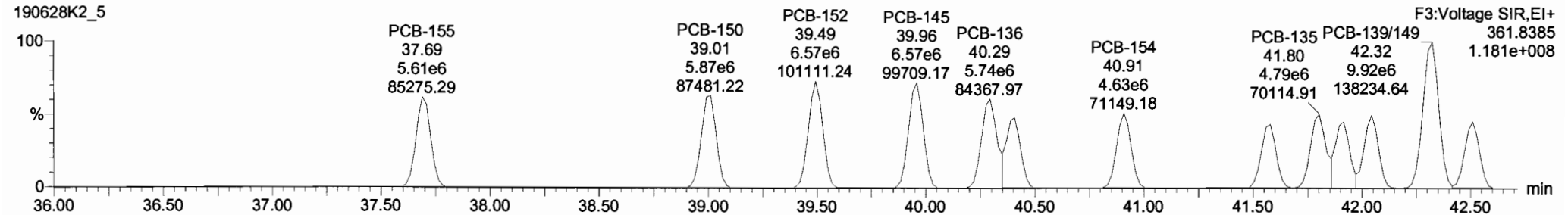
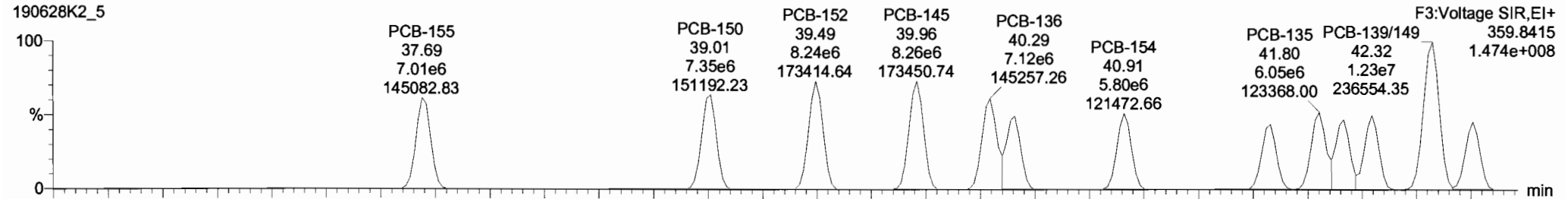


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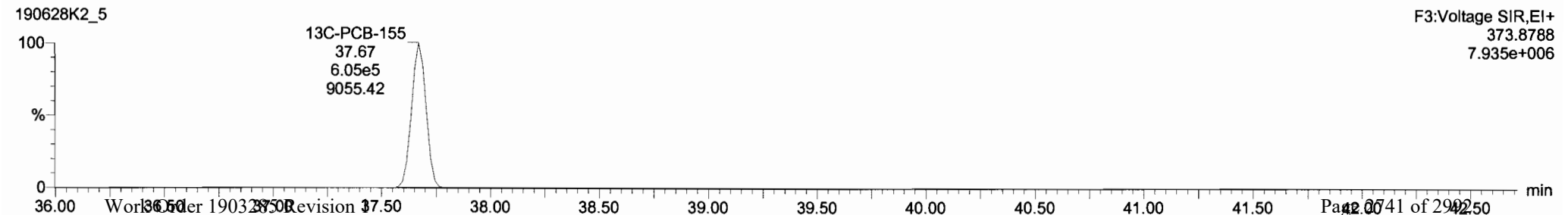
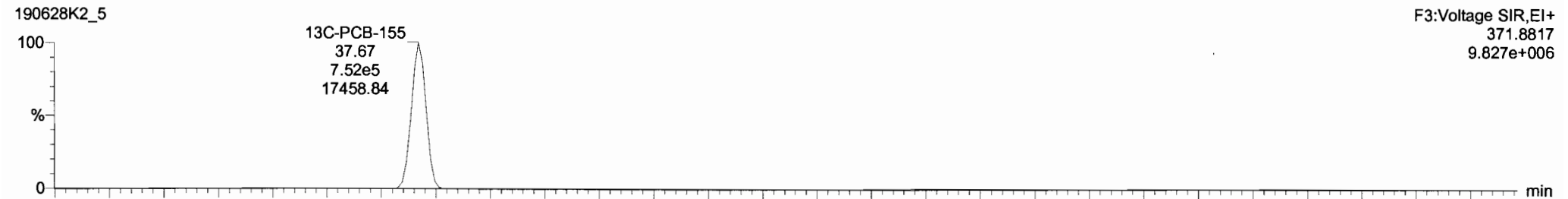
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-155



13C-PCB-155

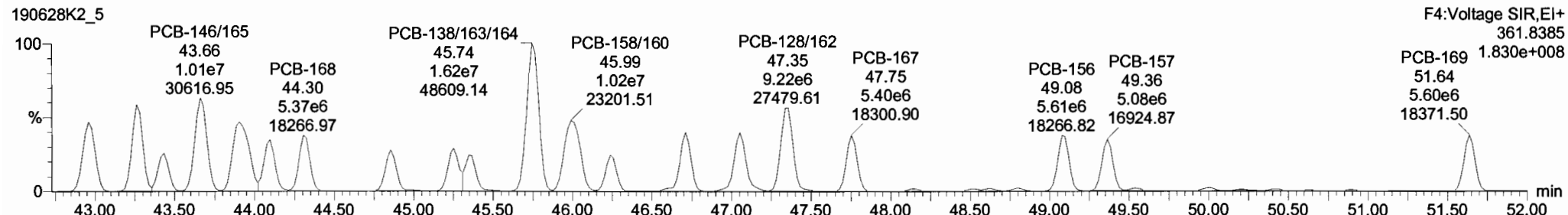
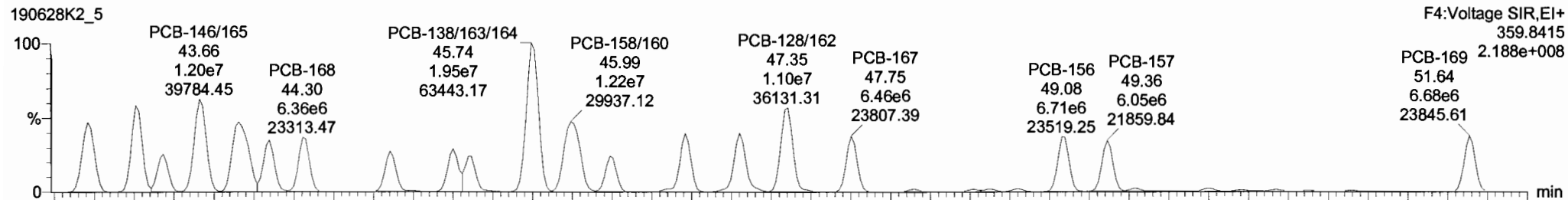


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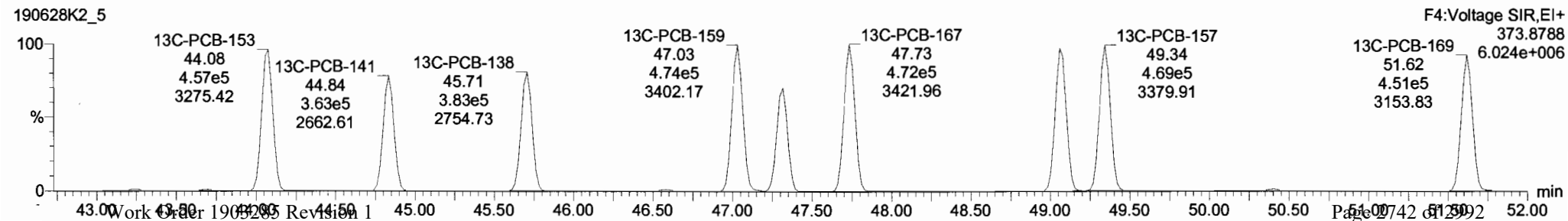
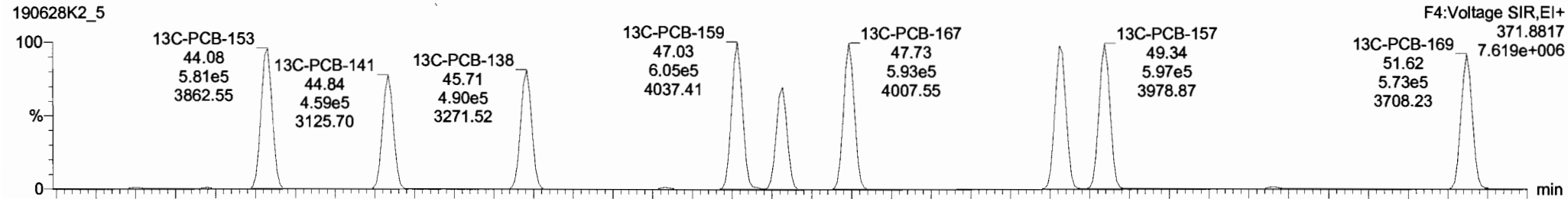
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-134/143

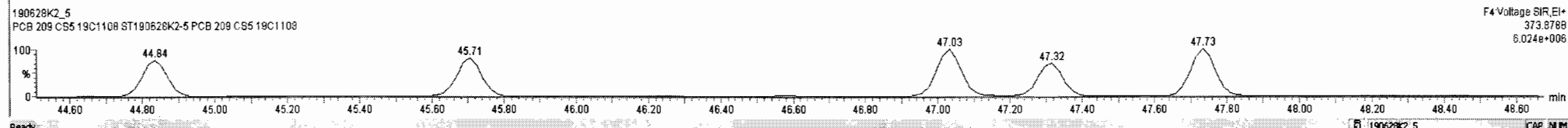
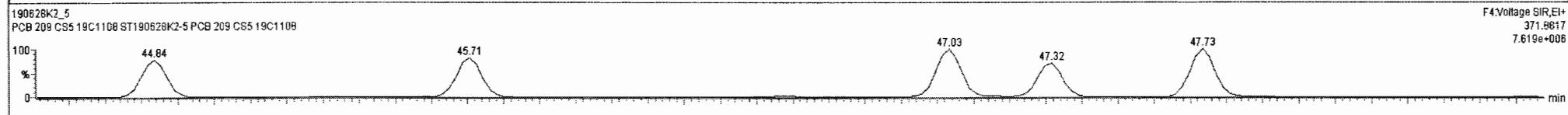
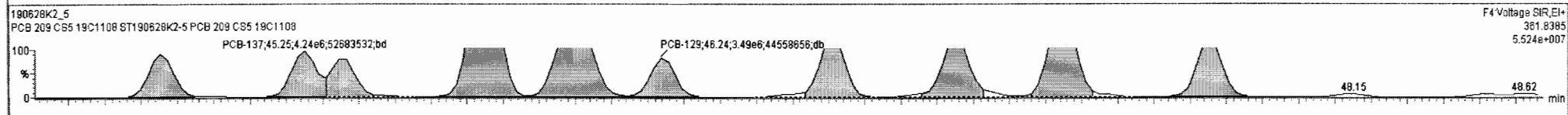
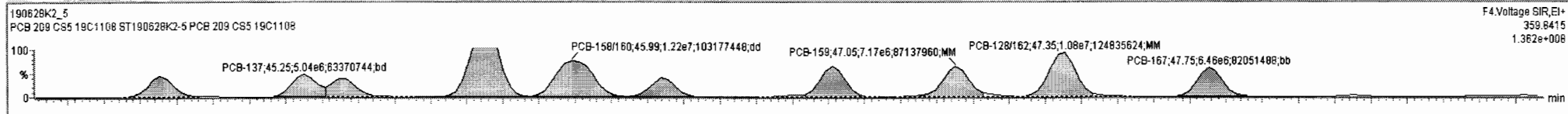


13C-PCB-153



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	3246	0.0518	3246	
225	225 Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	13080	33.3	13080	
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	8463	0.123	8463	
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00		0.000		NO	17720	1.06	17720	
228	228 Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	45340	1.51	45340	
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	44100	0.595	44100	
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	5423	0.369	5423	
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	15290	0.287	15290	
232	232 4th Function Hexa-PCBs				0.9219	1.000	0.00		0.000		NO	30630	2.46	30630	
233	233 Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	25420	4.36	25420	
234	234 4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	9938	0.572	9938	
235	235 5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	3276	0.241	3276	
236	236 Total Nona-PCBs				0.9448	1.000	0.00		0.000		NO	3250	0.351	3250	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.96	42.96	9.239e6	7.695e6	1.240	1.20	NO	2223.8	2223.8
2	112 PCB-131/133	43.26	43.26	1.004e7	8.359e6	1.240	1.20	NO	2242.9	2242.9
3	113 PCB-142	43.45	43.43	4.376e6	3.658e6	1.240	1.20	NO	1092.7	1092.7
4	114 PCB-146/165	43.66	43.66	1.203e7	1.008e7	1.240	1.19	NO	2219.8	2219.8
5	115 PCB-132/161	43.91	43.91	1.214e7	1.010e7	1.240	1.20	NO	2198.9	2198.9
6	116 PCB-153	44.10	44.10	6.098e6	5.056e6	1.240	1.21	NO	1061.4	1061.4
7	117 PCB-158	44.30	44.31	6.364e6	5.367e6	1.240	1.19	NO	1108.2	1108.2

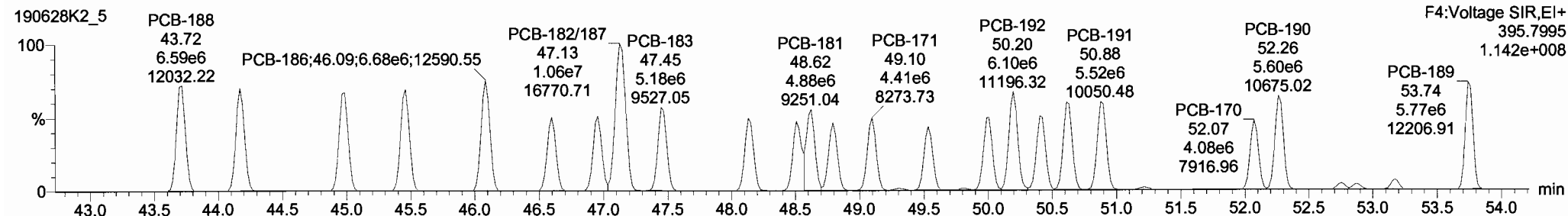
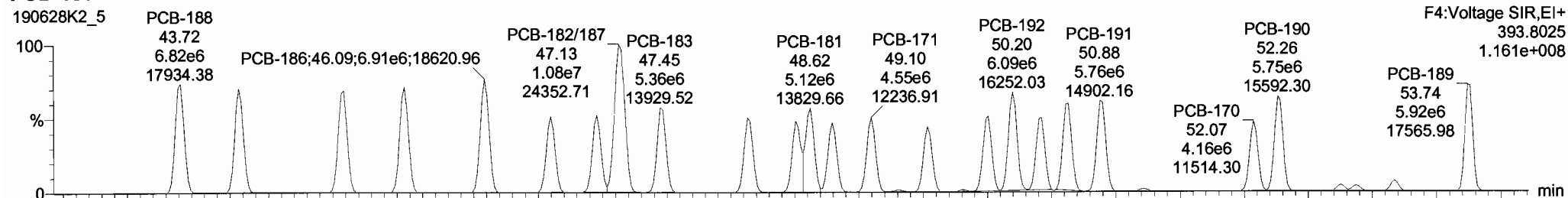


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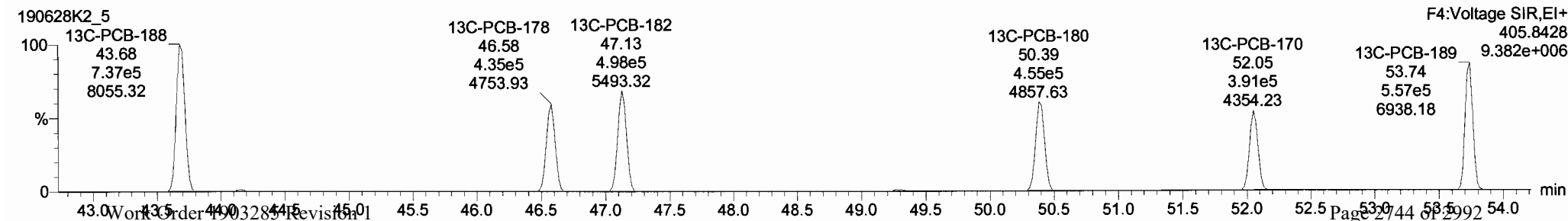
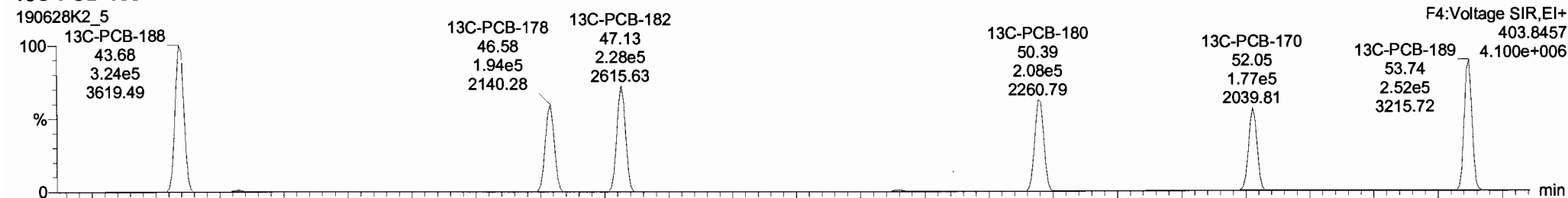
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Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

PCB-188

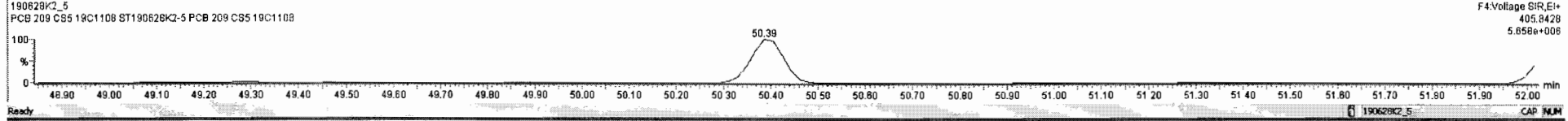
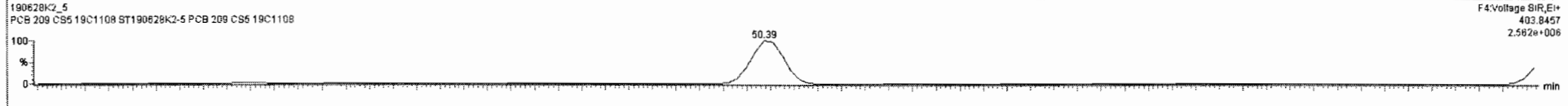
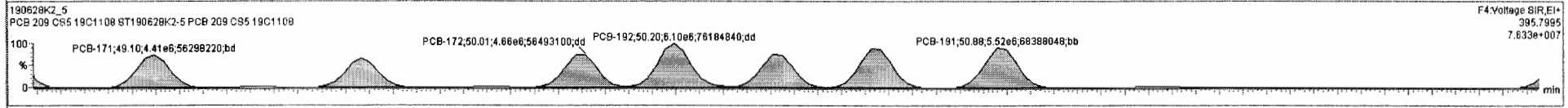
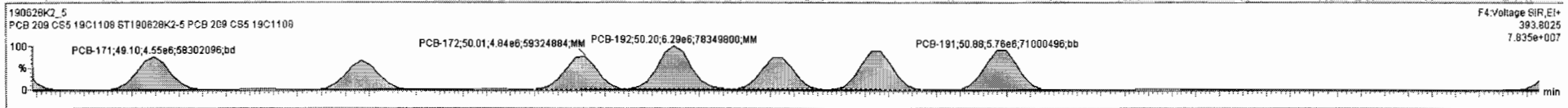


13C-PCB-188



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0122	1.000	0.00		0.000		NO	3246		0.0518	3246
225	Total Di-PCBs				1.0592	1.000	0.00		0.000		NO	13080		33.3	13080
226	2nd Function Tri-PCBs				0.9137	1.000	0.00		0.000		NO	8463		0.123	8463
227	3rd Function Tri-PCBs				1.0583	1.000	0.00		0.000		NO	17720		1.06	17720
228	Total Tetra-PCBs				0.9861	1.000	0.00		0.000		NO	45340		1.51	45340
229	3rd Function Penta-PCBs				1.1154	1.000	0.00		0.000		NO	44100		0.595	44100
230	4th Function Penta-PCBs				1.1112	1.000	0.00		0.000		NO	5423		0.369	5423
231	3rd Function Hexa-PCBs				0.7739	1.000	0.00		0.000		NO	15290		0.287	15290
232	4th Function Hexa-PCBs				0.9719	1.000	0.00		0.000		NO	30690		2.46	30690
233	Total Hepta-PCBs				1.2636	1.000	0.00		0.000		NO	25420		4.36	25420
234	4th Function Octa-PCBs				0.8863	1.000	0.00		0.000		NO	9536		0.572	9536
235	5th Function Octa-PCBs				1.1967	1.000	0.00		0.000		NO	3276		0.241	3276
236	Total Nona-PCBs				0.9446	1.000	0.00		0.000		NO	3250		0.351	3250

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1% Ratio (Pred)	RA	n/y	EMPC	Conc
1	131 PCB-188	43.72	43.72	6.824e6	6.589e6	1.050	1.04	NO	1059.4	1059.4
2	132 PCB-184	44.17	44.17	6.391e6	6.212e6	1.050	1.03	NO	1017.1	1017.1
3	133 PCB-179	44.96	44.99	6.417e6	6.196e6	1.050	1.04	NO	1010.6	1010.6
4	134 PCB-178	45.45	45.46	6.486e6	6.240e6	1.050	1.04	NO	1034.3	1034.3
5	135 PCB-186	46.07	46.08	6.909e6	6.684e6	1.050	1.03	NO	1051.6	1051.6
6	136 PCB-178	46.59	46.60	4.599e6	4.431e6	1.050	1.04	NO	1024.7	1024.7
7	137 PCB-175	46.95	46.96	4.733e6	4.606e6	1.050	1.03	NO	1037.1	1037.1



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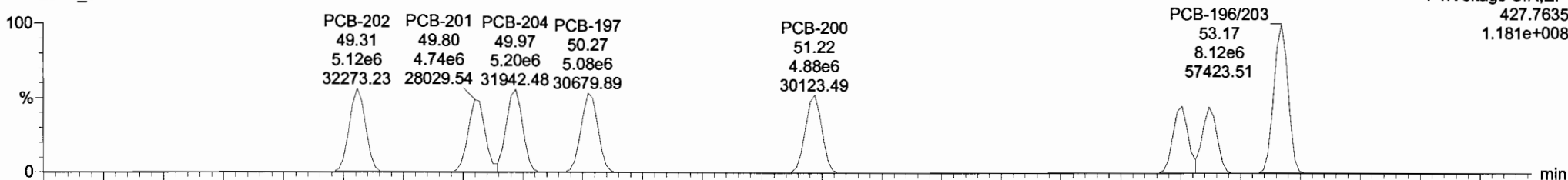
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PCB-202

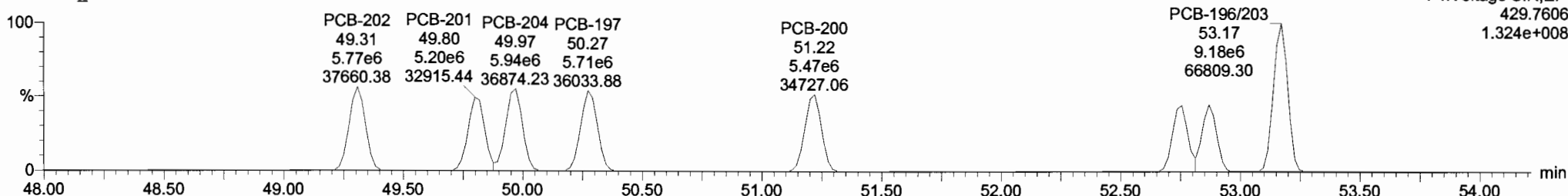
190628K2_5

F4:Voltage SIR,EI+
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1.181e+008



190628K2_5

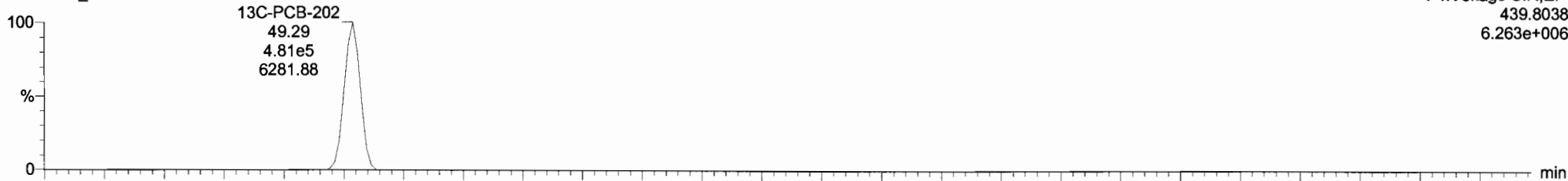
F4:Voltage SIR,EI+
429.7606
1.324e+008



13C-PCB-202

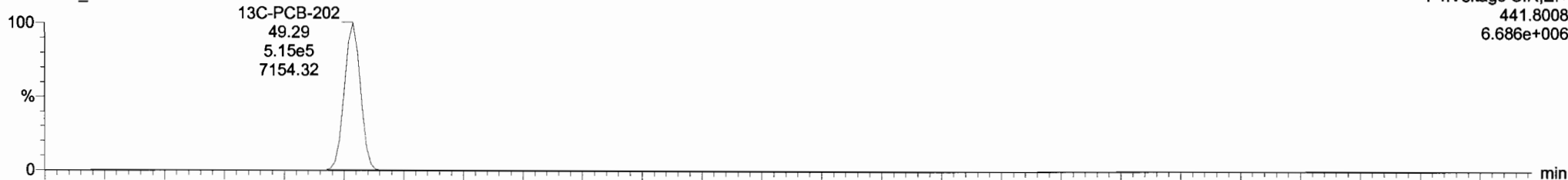
190628K2_5

F4:Voltage SIR,EI+
439.8038
6.263e+006



190628K2_5

F4:Voltage SIR,EI+
441.8008
6.686e+006

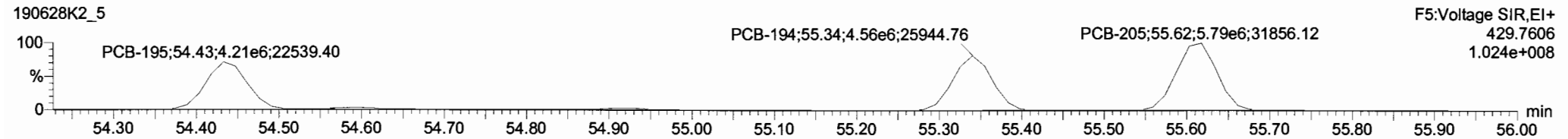
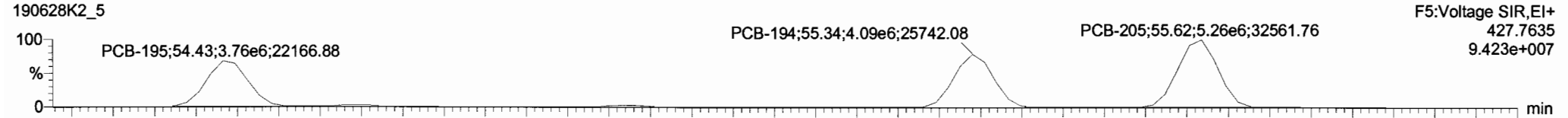


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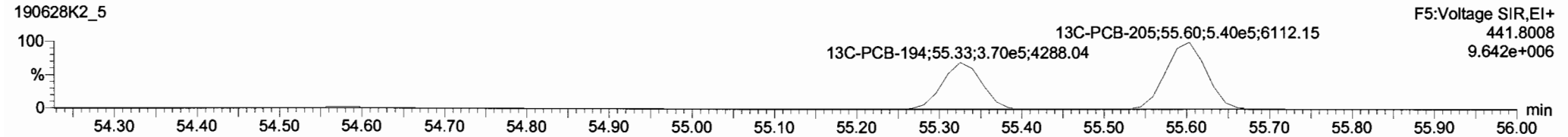
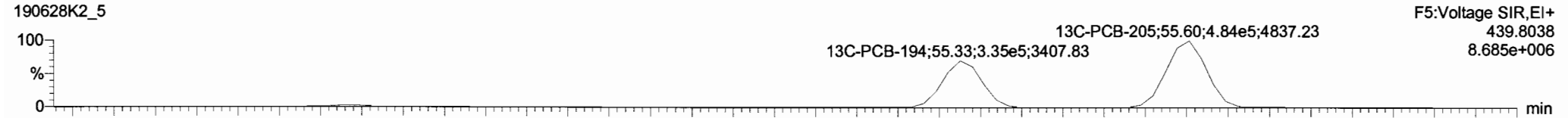
Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
Printed: Saturday, June 29, 2019 12:05:15 Pacific Daylight Time

Name: 190628K2_5, Date: 28-Jun-2019, Time: 20:39:52, ID: ST190628K2-5 PCB 209 CS5 19C1108, Description: PCB 209 CS5 19C1108

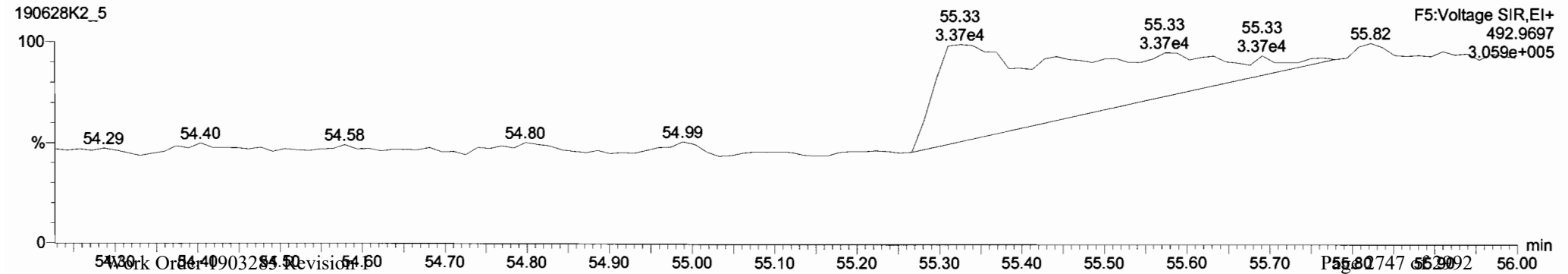
PCB-195



13C-PCB-194



PFK5

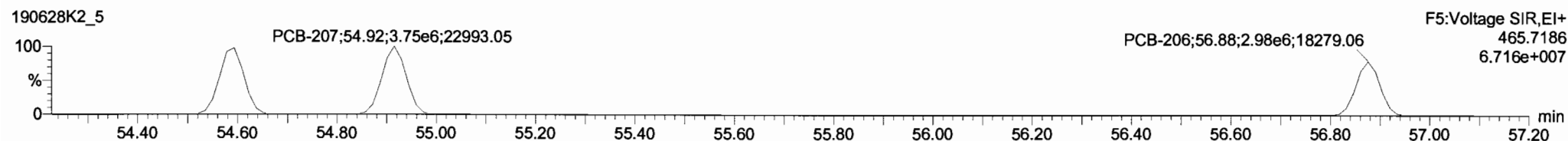
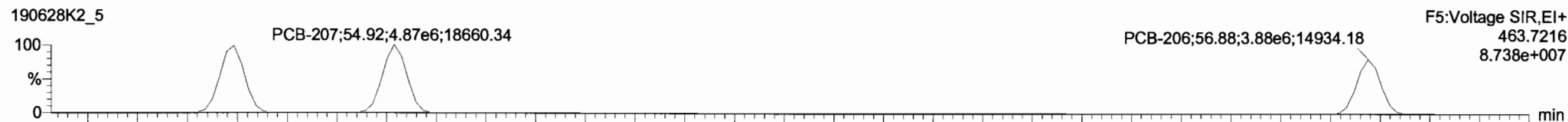


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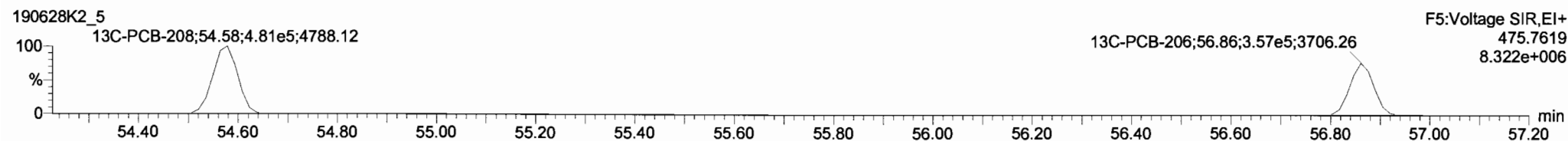
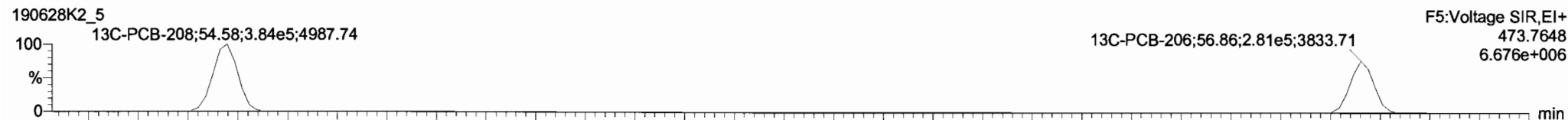
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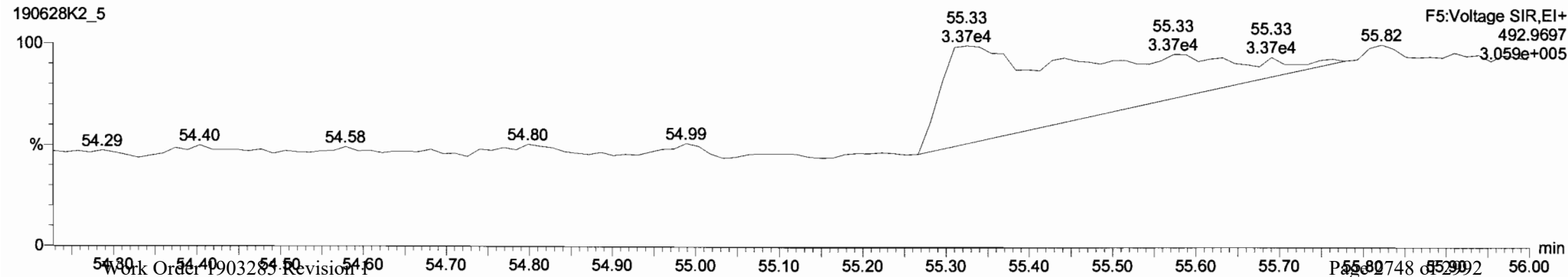
PCB-208



13C-PCB-208



PFK5



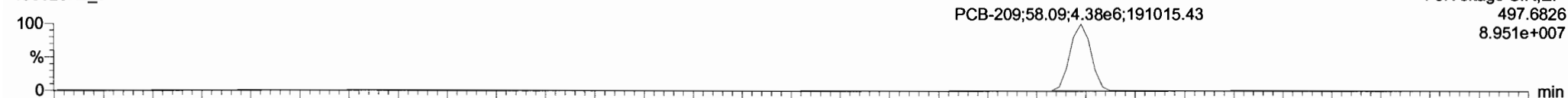
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Last Altered: Saturday, June 29, 2019 12:04:52 Pacific Daylight Time
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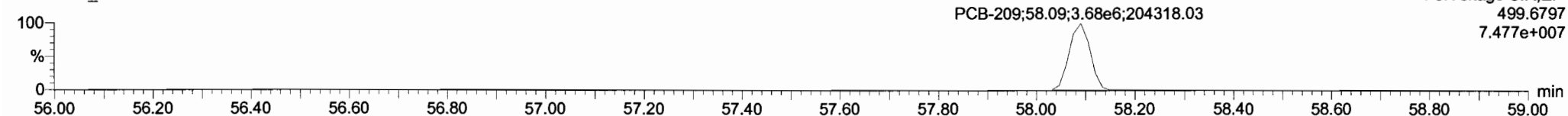
PCB-209

190628K2_5



F5:Voltage SIR,EI+
497.6826
8.951e+007

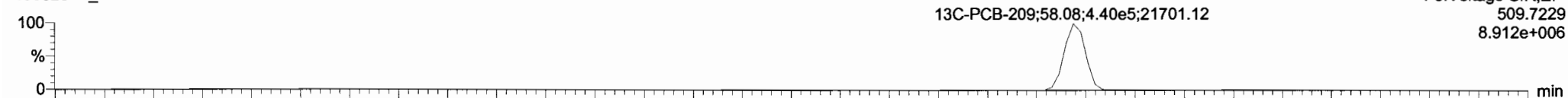
190628K2_5



F5:Voltage SIR,EI+
499.6797
7.477e+007

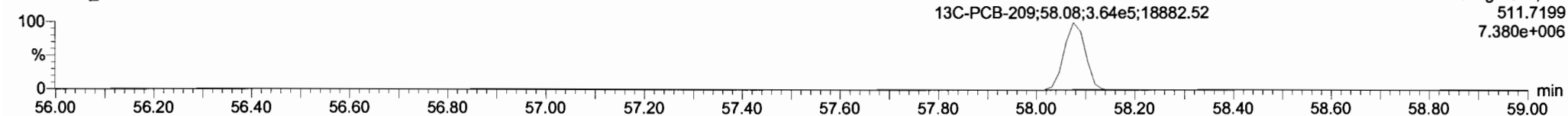
13C-PCB-209

190628K2_5



F5:Voltage SIR,EI+
509.7229
8.912e+006

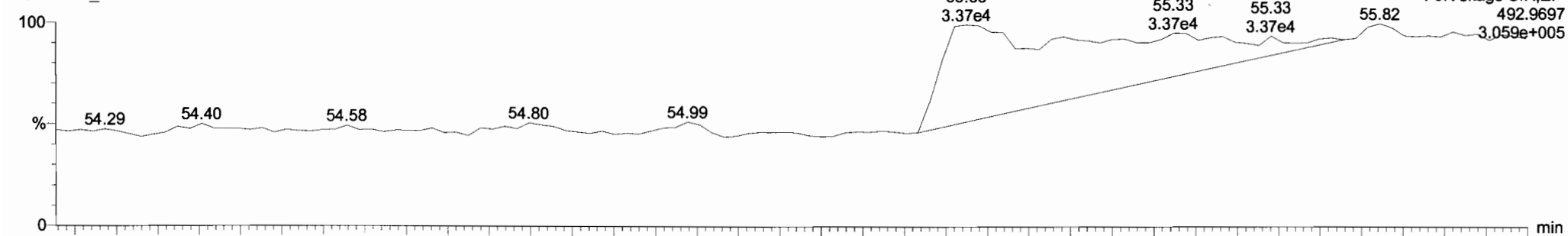
190628K2_5



F5:Voltage SIR,EI+
511.7199
7.380e+006

PFK5

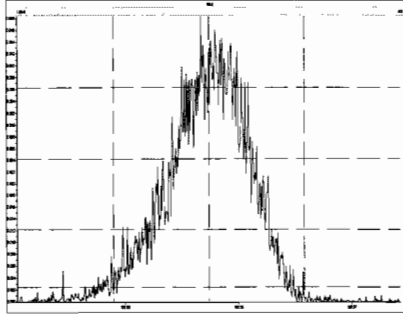
190628K2_5



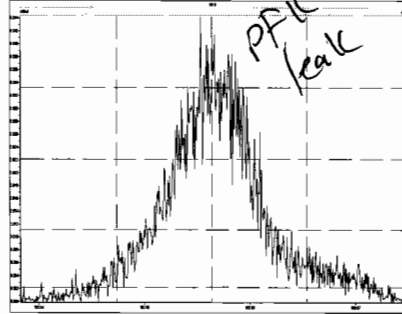
F5:Voltage SIR,EI+
492.9697
3.059e+005

low PFIK

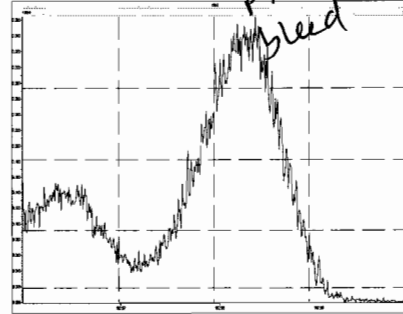
M 168.9888 R 11215



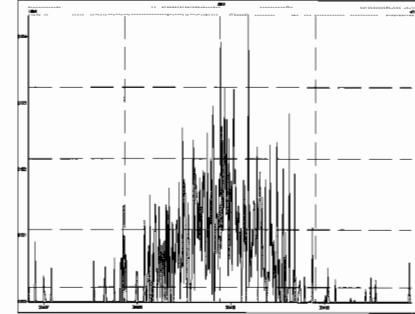
M 180.9888 R 7962



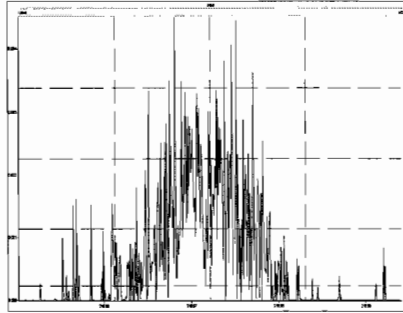
M 192.9888 R 0



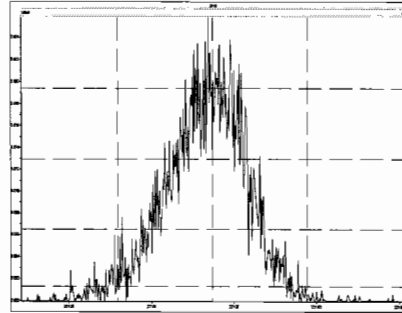
M 204.9888 R 56205



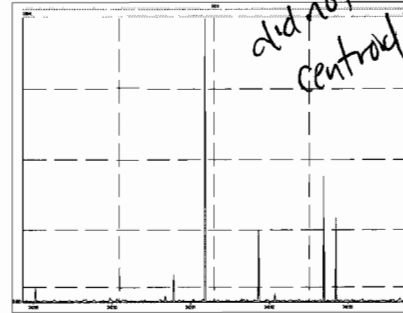
M 218.9856 R 35665



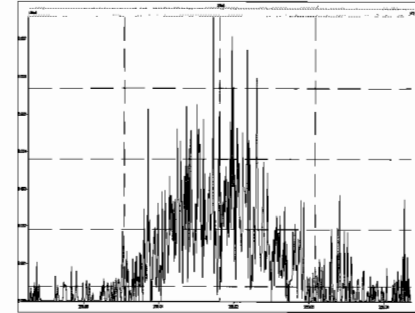
M 230.9856 R 11306



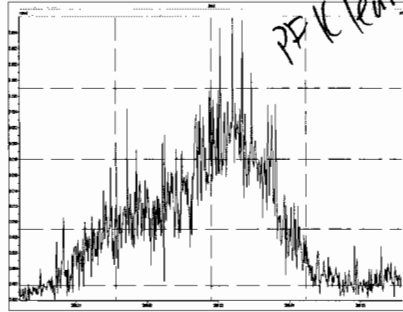
M 242.9856 R 161713



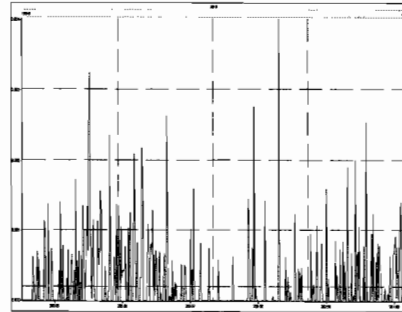
M 254.9856 R 29574



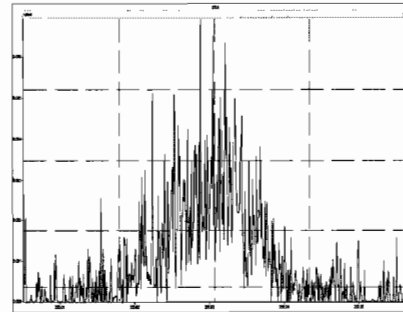
M 268.9824 R 7763



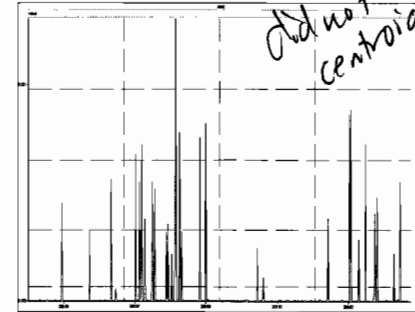
M 280.9824 R 491065



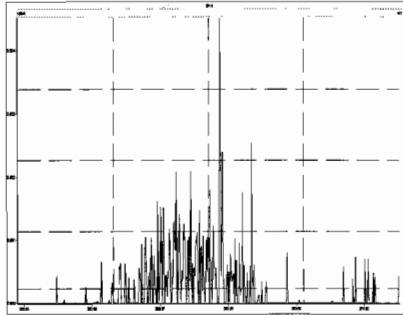
M 254.9856 R 17152



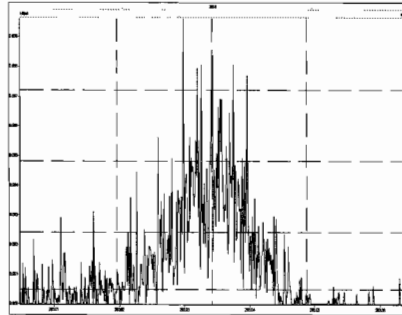
M 268.9824 R 292205



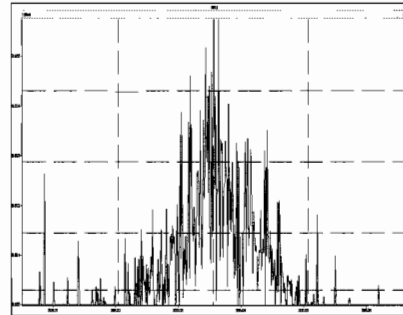
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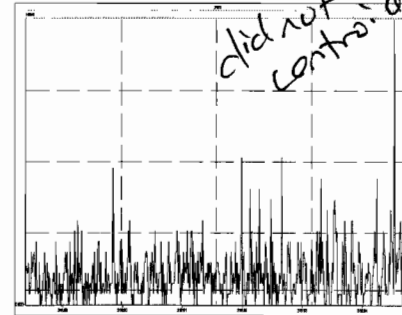
M 292.9824 R 16981



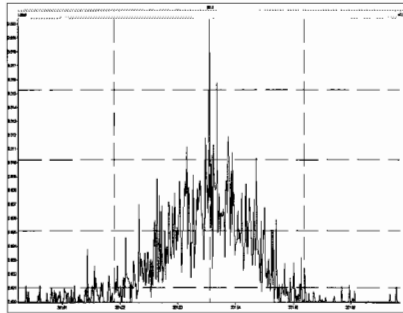
M 304.9824 R 43114



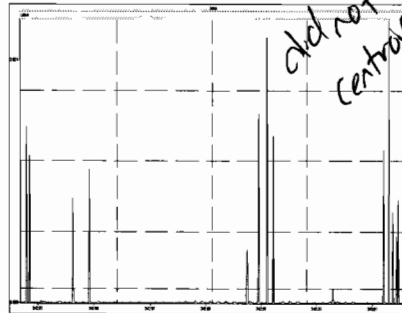
M 318.9792 R 295143



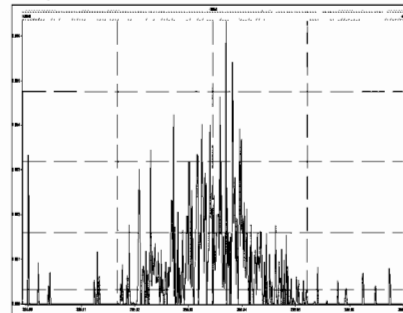
M 330.9792 R 14914



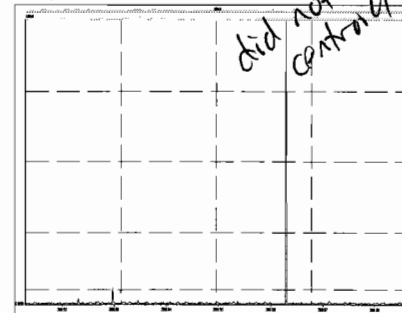
M 342.9792 R 277783



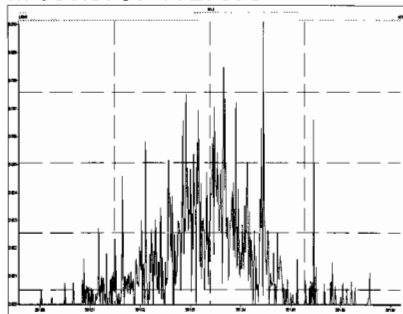
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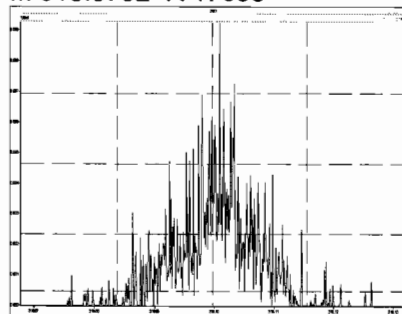
M 366.9792 R 781272



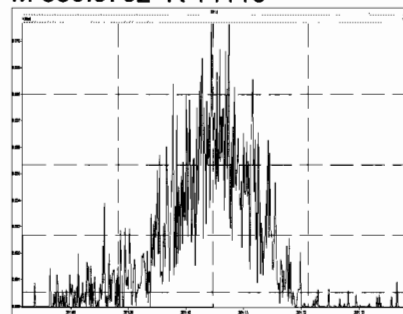
M 380.9760 R 27575



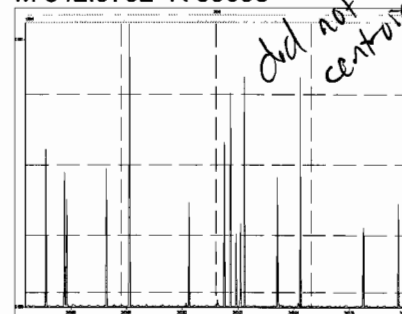
M 318.9792 R 17636



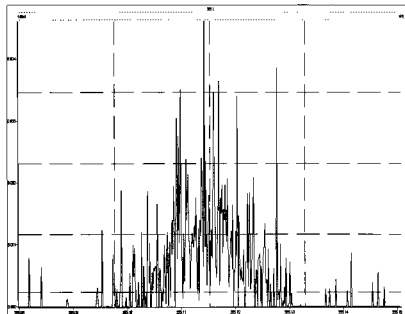
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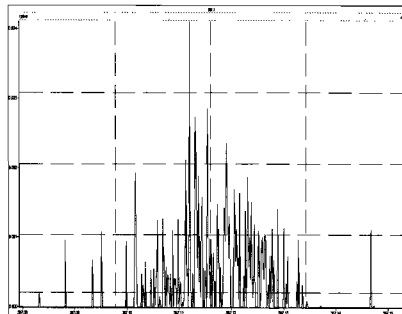
M 342.9792 R 89095



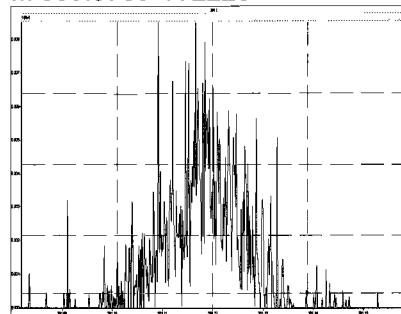
M 354.9792 R 84595



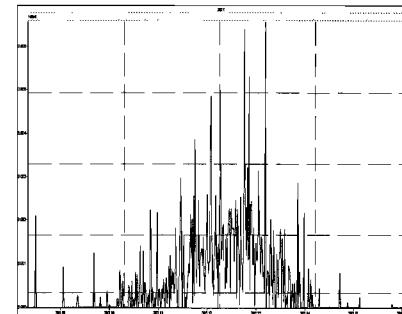
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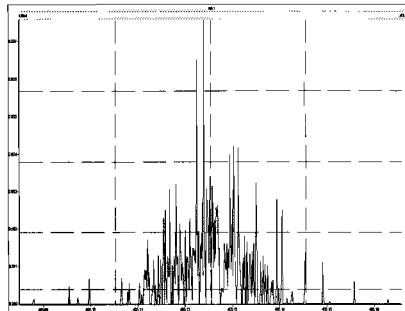
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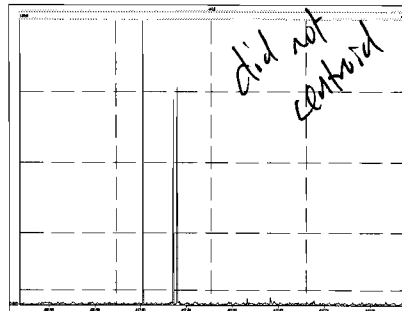
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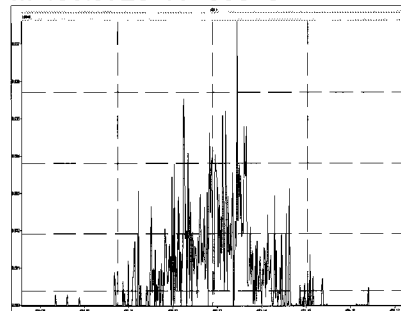
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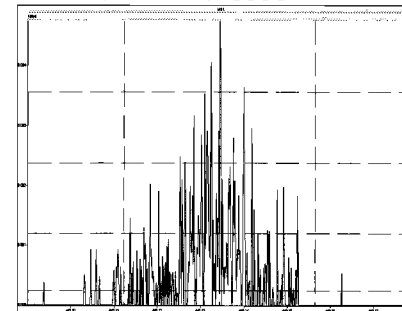
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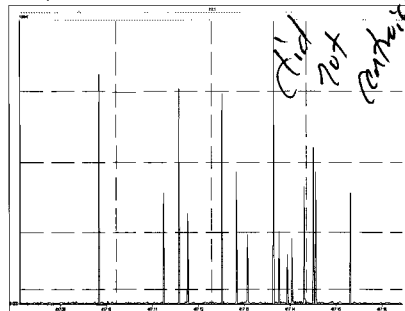
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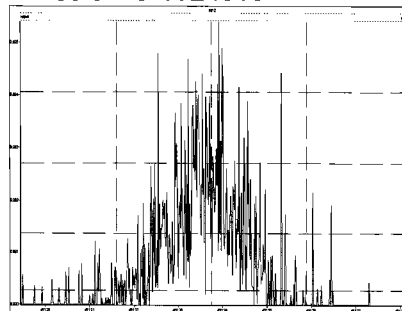
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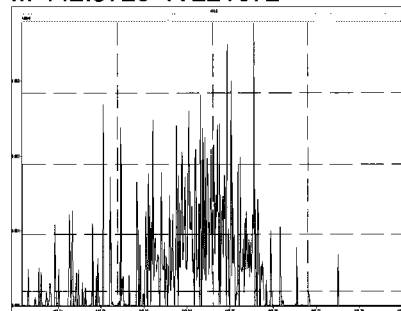
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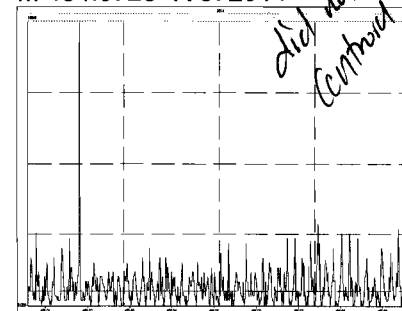
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M 442.9728 R 221672

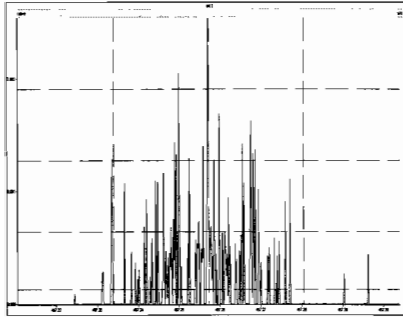


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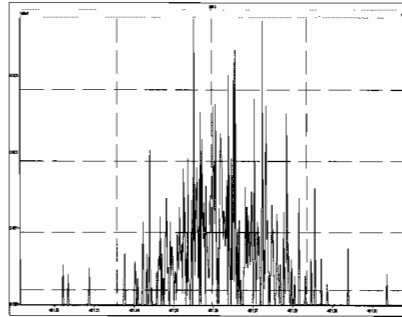


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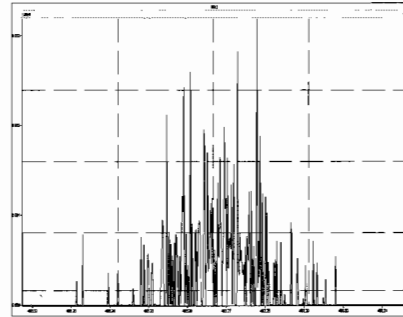
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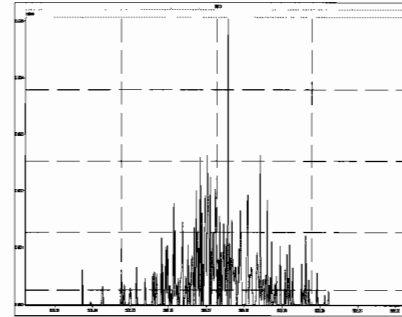
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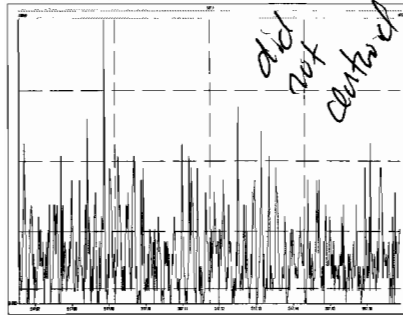
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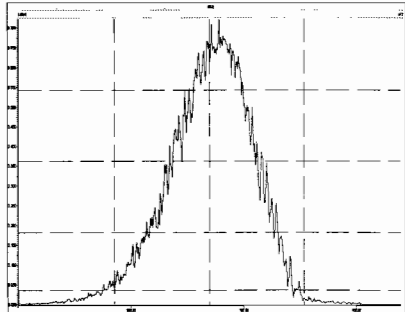
M 504.9696 R 1250001



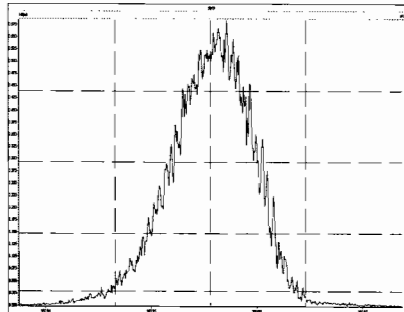
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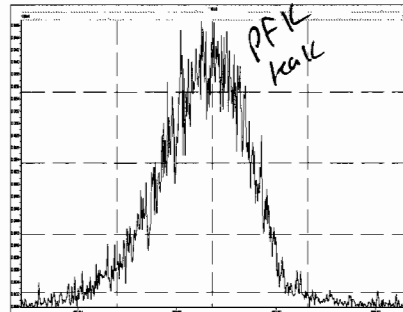
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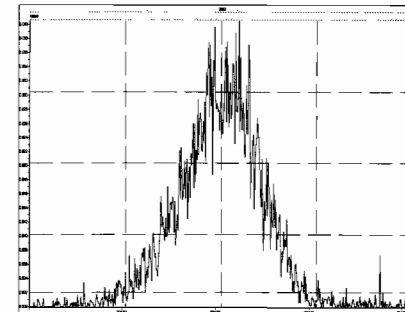
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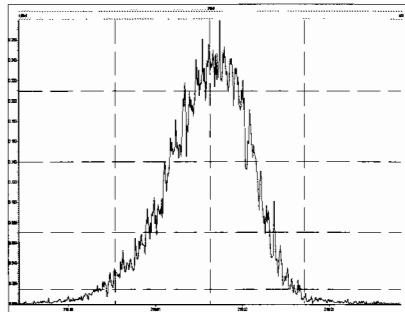
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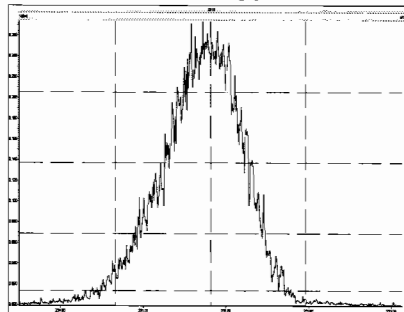
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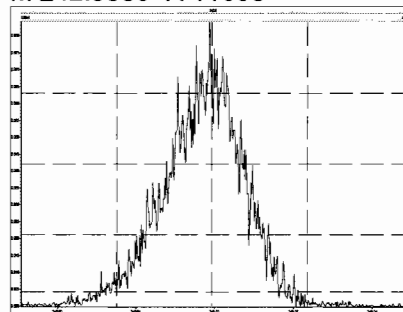
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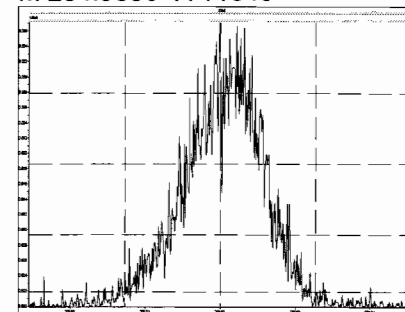
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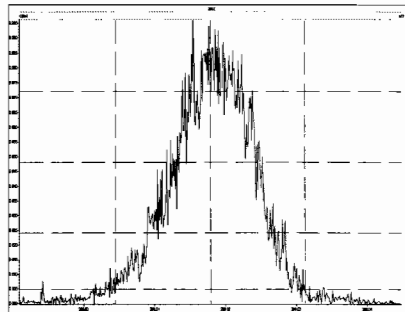
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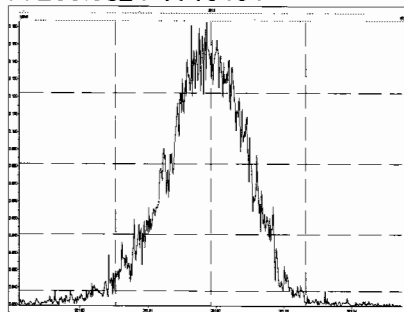
M 254.9856 R 11340



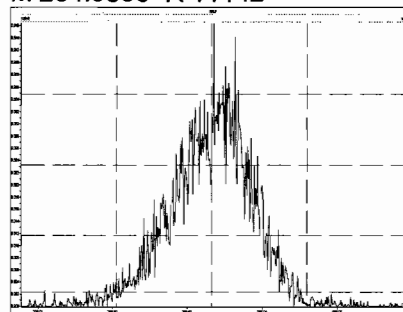
M 268.9824 R 11067



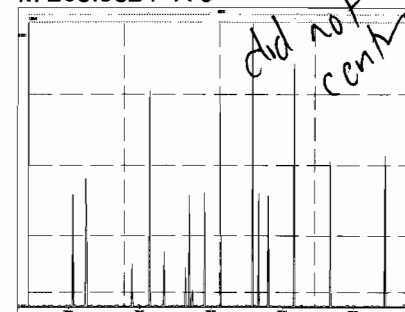
M 280.9824 R 10464



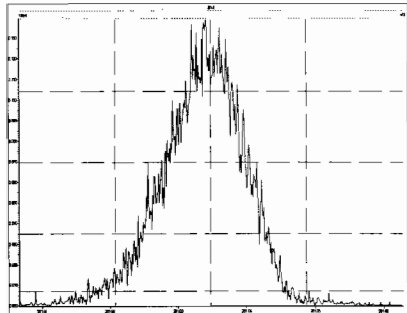
M 254.9856 R 11142



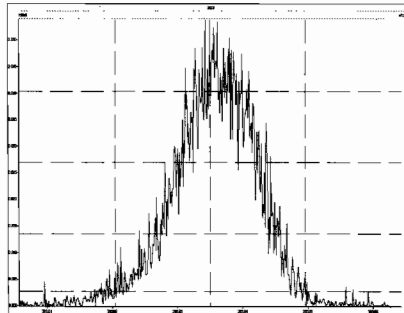
M 268.9824 R 0



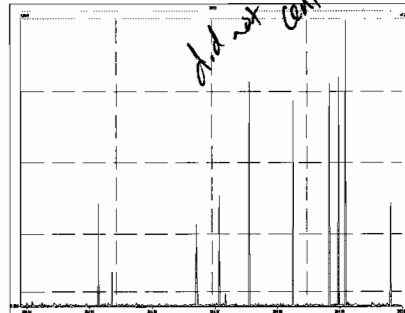
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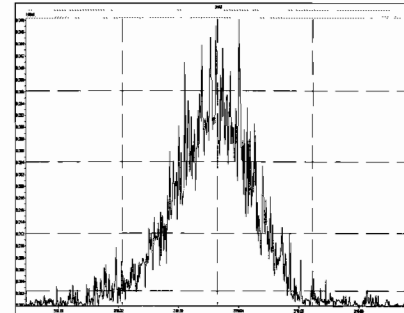
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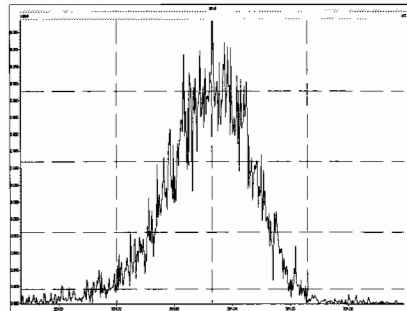
M 304.9824 R 274728



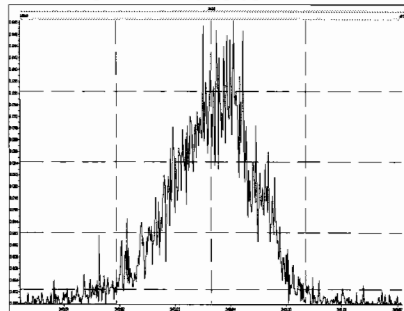
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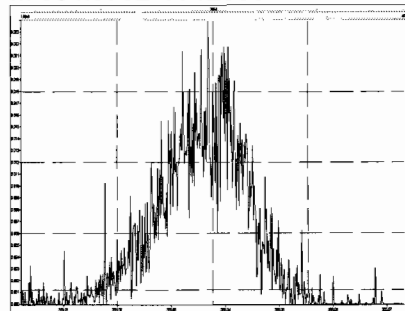
M 330.9792 R 10801



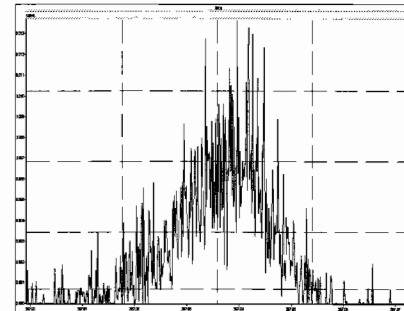
M 342.9792 R 10940



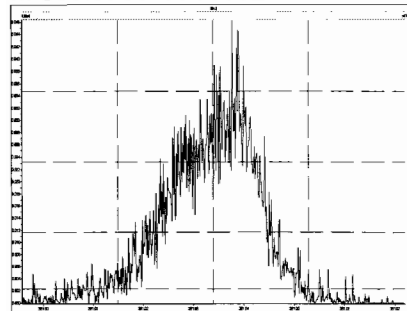
M 354.9792 R 12830



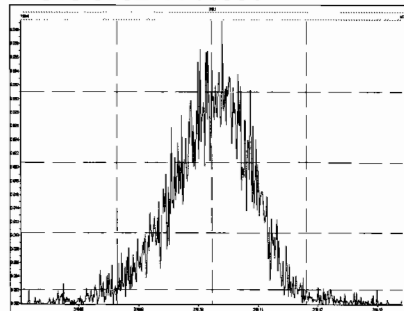
M 366.9792 R 13832



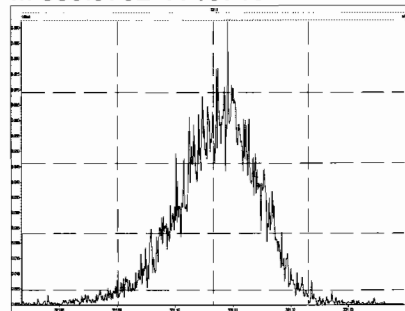
M 380.9760 R 11602



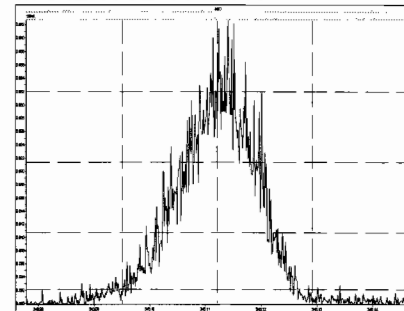
M 318.9792 R 11906



M 330.9792 R 10710

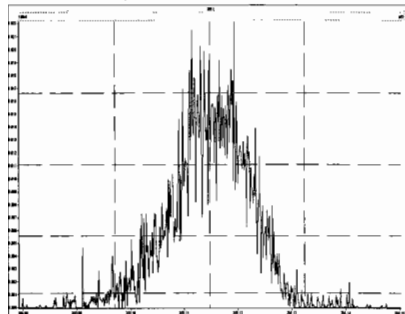


M 342.9792 R 12167

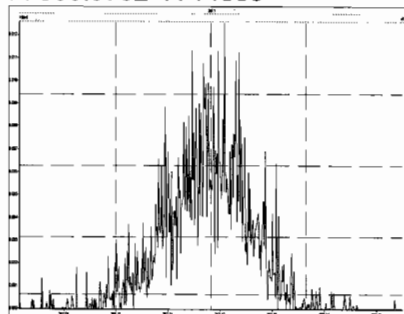


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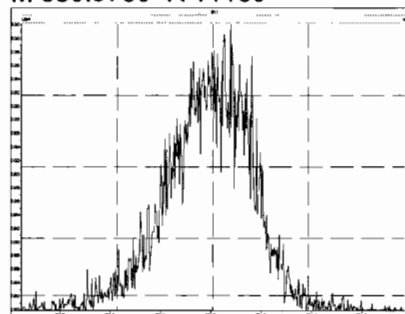
M 354.9792 R 12408



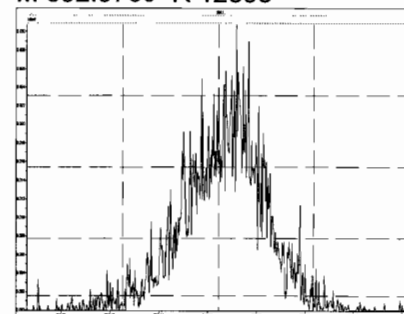
M 366.9792 R 14559



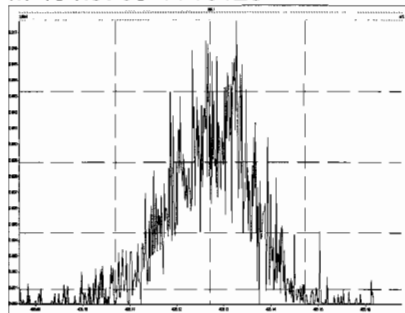
M 380.9760 R 11160



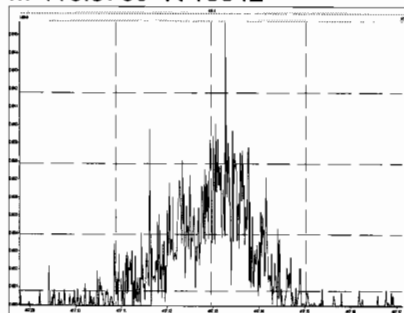
M 392.9760 R 12898



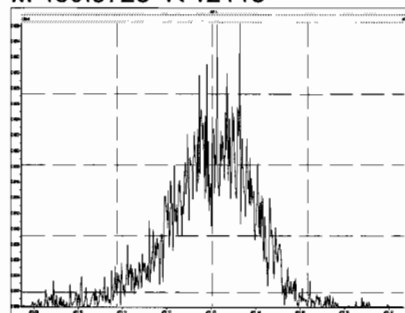
M 404.9760 R 16128



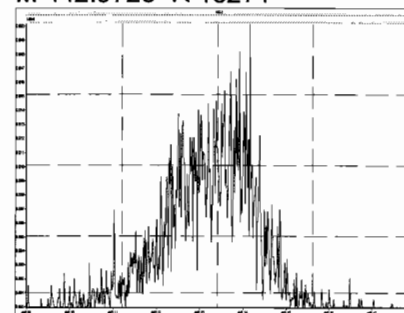
M 416.9760 R 15542



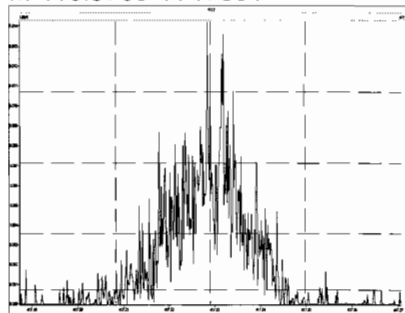
M 430.9728 R 12118



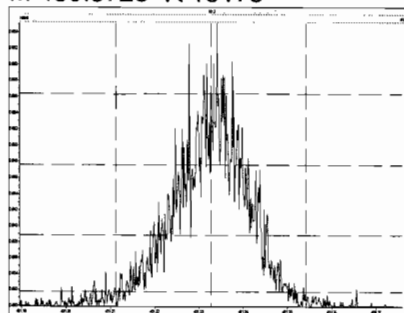
M 442.9728 R 13271



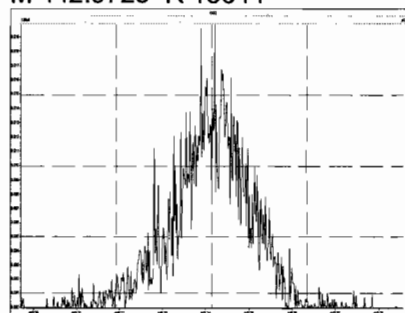
M 416.9760 R 17301



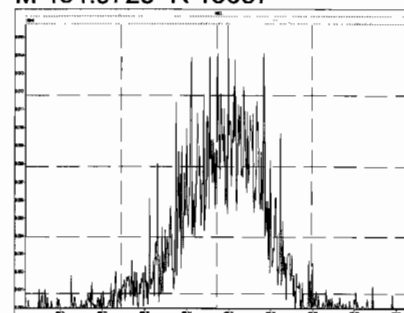
M 430.9728 R 13178



M 442.9728 R 13644

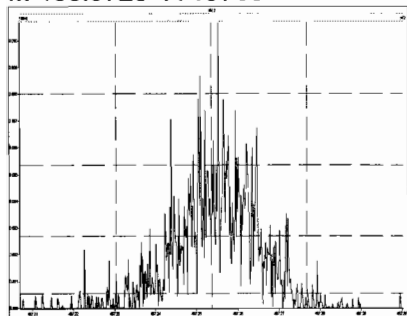


M 454.9728 R 13657

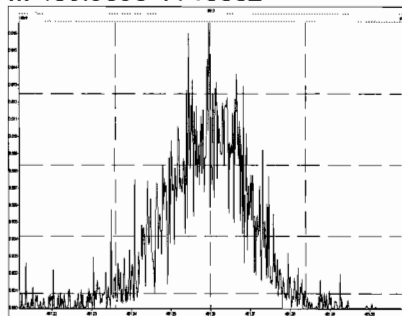


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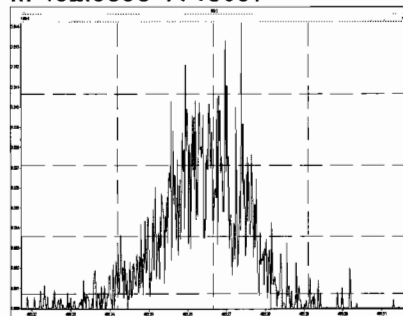
M 466.9728 R 19763



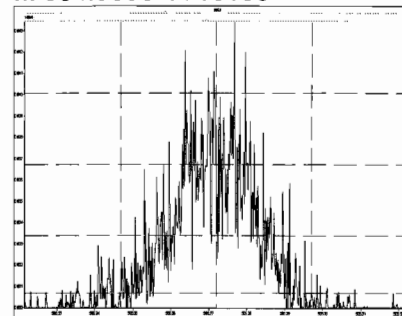
M 480.9696 R 13382



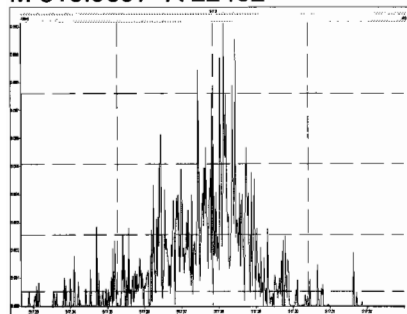
M 492.9696 R 13097



M 504.9696 R 16155



M 516.9697 R 22432



Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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HL 6-29-19

Method: U:\VG11.PRO\MethDB\PCB-209_ZB1_6-28-19.mdb 28 Jun 2019 14:45:02
Calibration: U:\VG11.PRO\CurveDB\db1_PCBvg11-6-28-19.cdb 29 Jun 2019 12:47:57

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.98e6	3.15	NO	1.02	1.000	16.01	16.02	1.001	1.001	NO	98.99	70-130	0.00903	98.99
2	2 PCB-2			NO	1.01	1.000	18.46		0.988		YES			0.00959	
3	3 PCB-3	2.04e6	3.09	NO	1.01	1.000	18.70	18.71	1.001	1.001	NO	100.8	70-130	0.00961	100.8
4	4 PCB-4/10	3.04e6	1.58	NO	1.28	1.000	20.16	20.16	1.004	1.004	NO	201.9	112.5-225	0.0257	201.9
5	5 PCB-7/9	1.83e6	1.57	NO	0.976	1.000	21.98	21.94	1.003	1.001	NO	103.3	70-130	0.0224	103.3
6	6 PCB-6			NO	1.02	1.000	22.63		1.032		YES			0.0215	
7	7 PCB-5/8	1.88e6	1.57	NO	1.01	1.000	23.04	23.05	1.051	1.051	NO	102.8	70-130	0.0216	102.8
8	8 PCB-14			NO	1.03	1.000	24.20		0.953		YES			0.0231	
9	9 PCB-11	1.80e6	1.58	NO	1.10	1.000	25.43	25.44	1.001	1.001	NO	93.04	70-130	0.0218	93.04
10	10 PCB-12/13	1.72e6	1.56	NO	1.04	1.000	25.80	25.87	1.015	1.018	NO	93.88		0.0230	93.88
11	11 PCB-15	1.87e6	1.57	NO	1.03	1.000	26.16	26.16	1.030	1.030	NO	102.8		0.0232	102.8
12	12 PCB-19	5.20e5	0.96	NO	0.934	1.000	24.39	24.39	1.001	1.001	NO	47.83	35-65	0.0146	47.83
13	13 PCB-30			NO	1.48	1.000	25.31		1.039		YES			0.00921	
14	14 PCB-18	5.27e5	0.96	NO	0.693	1.000	26.09	26.08	0.953	0.953	NO	46.71		0.0142	46.71
15	15 PCB-17			NO	0.667	1.000	26.26		0.959		YES			0.0148	
16	16 PCB-24/27			NO	0.915	1.000	26.86		0.981		YES			0.0108	
17	17 PCB-16/32			NO	0.792	1.000	27.40		1.001		YES			0.0124	
18	18 PCB-34			NO	0.987	1.000	28.22		0.960		YES			0.0251	
19	19 PCB-23			NO	0.974	1.000	28.31		0.963		YES			0.0254	
20	20 PCB-29			NO	0.953	1.000	28.57		0.972		YES			0.0260	
21	21 PCB-26			NO	1.00	1.000	28.79		0.979		YES			0.0248	
22	22 PCB-25			NO	0.978	1.000	28.96		0.985		YES			0.0253	
23	23 PCB-31	7.84e5	1.03	NO	1.12	1.000	29.31	29.31	0.997	0.997	NO	43.20		0.0221	43.20
24	24 PCB-28	8.35e5	1.04	NO	1.11	1.000	29.43	29.43	1.001	1.001	NO	46.72		0.0224	46.72
25	25 PCB-20/21/33	7.50e5	1.04	NO	1.00	1.000	30.05	30.10	1.022	1.023	NO	46.25	46.2 35-65	0.0247	46.25
26	26 PCB-22			NO	1.03	1.000	30.51		1.038		YES			0.0240	
27	27 PCB-36			NO	1.18	1.000	31.17		0.932		YES			0.0242	
28	28 PCB-39			NO	1.08	1.000	31.65		0.947		YES			0.0262	
29	29 PCB-38	7.01e5	1.04	NO	1.13	1.000	32.46	32.44	0.971	0.970	NO	43.26	35-65	0.0252	43.26
30	30 PCB-35	7.22e5	1.04	NO	1.13	1.000	33.00	33.00	0.987	0.987	NO	44.38		0.0251	44.38
31	31 PCB-37	7.69e5	1.04	NO	1.11	1.000	33.46	33.45	1.001	1.001	NO	48.42		0.0257	48.42
32	32 PCB-54	6.50e5	0.72	NO	0.996	1.000	28.26	28.27	1.001	1.001	NO	48.04		0.0251	48.04

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.781	1.000	29.47		1.044		YES		35-65	0.0320	
34	34 PCB-53			NO	0.955	1.000	30.16		0.945		YES			0.0347	
35	35 PCB-51			NO	1.02	1.000	30.52		0.956		YES			0.0324	
36	36 PCB-45			NO	0.808	1.000	30.96		0.970		YES			0.0411	
37	37 PCB-46			NO	0.754	1.000	31.45		0.985		YES			0.0440	
38	38 PCB-52/69	5.31e5	0.73	NO	1.09	1.000	31.96	31.94	1.001	1.001	NO	45.67		0.0304	45.67
39	39 PCB-73			NO	1.29	1.000	32.07		1.005		YES			0.0257	
40	40 PCB-43/49	4.83e5	0.74	NO	0.940	1.000	32.26	32.26	1.011	1.010	NO	48.22		0.0353	48.22
41	41 PCB-47			NO	0.869	1.000	32.45		1.000		YES			0.0359	
42	42 PCB-48/75			NO	1.02	1.000	32.57		1.004		YES			0.0305	
43	43 PCB-65			NO	1.11	1.000	32.85		1.013		YES			0.0282	
44	44 PCB-62			NO	1.07	1.000	32.96		1.016		YES			0.0293	
45	45 PCB-44	4.15e5	0.75	NO	0.761	1.000	33.28	33.28	1.026	1.026	NO	49.06		0.0410	49.06
46	46 PCB-42/59			NO	0.960	1.000	33.51		1.033		YES			0.0325	
47	47 PCB-41/64/71/72			NO	1.08	1.000	34.10		1.051		YES			0.0289	
48	48 PCB-68			NO	1.11	1.000	34.38		1.060		YES			0.0282	
49	49 PCB-40			NO	0.577	1.000	34.61		1.067		YES			0.0542	
50	50 PCB-57	5.94e5	0.73	NO	1.05	1.000	34.97	34.99	0.970	0.970	NO	45.11		0.0274	45.11
51	51 PCB-67			NO	0.993	1.000	35.29		0.979		YES			0.0289	
52	52 PCB-58			NO	1.11	1.000	35.40		0.982		YES			0.0258	
53	53 PCB-63			NO	0.962	1.000	35.57		0.986		YES			0.0299	
54	54 PCB-74	6.18e5	0.73	NO	1.07	1.000	35.86	35.88	0.994	0.995	NO	46.19		0.0270	46.19
55	55 PCB-61/70	6.36e5	0.73	NO	0.986	1.000	36.09	36.11	1.000	1.001	NO	51.40		0.0292	51.40
56	56 PCB-76/66	6.25e5	0.73	NO	1.07	1.000	36.29	36.31	1.006	1.007	NO	46.69		0.0270	46.69
57	57 PCB-80			NO	1.08	1.000	36.54		1.001		YES			0.0244	
58	58 PCB-55			NO	1.07	1.000	36.86		1.010		YES			0.0247	
59	59 PCB-56/60			NO	0.934	1.000	37.39		1.024		YES			0.0283	
60	60 PCB-79	6.23e5	0.75	NO	1.04	1.000	38.48	38.49	1.054	1.054	NO	45.44		0.0253	45.44
61	61 PCB-78	5.44e5	0.73	NO	1.03	1.000	39.20	39.20	0.987	0.987	NO	42.39		0.0286	42.39
62	62 PCB-81	6.21e5	0.72	NO	0.933	1.000	39.73	39.75	1.000	1.001	NO	53.50		0.0317	53.50
63	63 PCB-77	5.96e5	0.73	NO	1.03	1.000	40.37	40.37	1.000	1.000	NO	47.72		0.0301	47.72
64	64 PCB-104	6.58e5	1.50	NO	0.995	1.000	33.13	33.13	1.001	1.001	NO	51.39		0.0165	51.39
65	65 PCB-96			NO	0.996	1.000	34.45		1.041		YES			0.0164	
66	66 PCB-103			NO	0.774	1.000	35.01		1.057		YES			0.0211	
67	67 PCB-100			NO	0.778	1.000	35.38		1.069		YES			0.0211	
68	68 PCB-94			NO	0.773	1.000	35.87		0.986		YES			0.0275	

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	4.58e5	1.50	NO	1.01	1.000	36.36	36.40	0.999	1.001	NO	45.45	45.4	0.0210	45.45
70	70 PCB-93			NO	0.841	1.000	36.49		1.003		YES			0.0253	
71	71 PCB-88/91			NO	0.890	1.000	36.82		1.012		YES			0.0239	
72	72 PCB-121			NO	1.39	1.000	36.94		1.015		YES			0.0154	
73	73 PCB-84/92			NO	0.879	1.000	37.77		0.990		YES			0.0252	
74	74 PCB-89			NO	0.959	1.000	37.98		0.996		YES			0.0231	
75	75 PCB-90/101	4.91e5	1.51	NO	0.944	1.000	38.14	38.15	1.000	1.000	NO	53.94		0.0234	53.94
76	76 PCB-113			NO	1.23	1.000	38.41		1.007		YES			0.0180	
77	77 PCB-99	4.95e5	1.51	NO	1.12	1.000	38.51	38.49	1.010	1.009	NO	45.83		0.0198	45.83
78	78 PCB-119			NO	1.47	1.000	38.96		0.987		YES			0.0178	
79	79 PCB-108/112			NO	1.25	1.000	39.13		0.991		YES			0.0210	
80	80 PCB-83			NO	1.55	1.000	39.30		0.996		YES			0.0170	
81	81 PCB-97			NO	1.07	1.000	39.51		1.001		YES			0.0244	
82	82 PCB-86			NO	0.996	1.000	39.64		1.004		YES			0.0264	
83	83 PCB-87/117/125	4.15e5	1.52	NO	1.33	1.000	39.78	39.79	1.008	1.008	NO	37.15	37.1	0.0197	37.15
84	84 PCB-111/115	5.95e5	1.53	NO	1.60	1.000	39.94	39.96	1.012	1.012	NO	44.34		0.0164	44.34
85	85 PCB-85/116			NO	1.22	1.000	40.07		1.015		YES			0.0216	
86	86 PCB-120			NO	1.68	1.000	40.33		1.022		YES			0.0156	
87	87 PCB-110	5.89e5	1.52	NO	1.49	1.000	40.46	40.48	1.025	1.025	NO	47.34		0.0177	47.34
88	88 PCB-82			NO	0.674	1.000	41.14		0.976		YES			0.0299	
89	89 PCB-124			NO	1.16	1.000	41.85		0.993		YES			0.0173	
90	90 PCB-107/109	5.75e5	1.49	NO	1.17	1.000	42.00	42.15	0.997	1.000	YES	45.67		0.0173	45.67
91	91 PCB-123			NO	1.04	1.000	42.16		1.000		YES			0.0194	
92	92 PCB-106/118	6.17e5	1.52	NO	1.07	1.000	42.36	42.34	1.001	1.000	NO	50.56		0.0181	50.56
93	93 PCB-114	5.16e5	1.58	NO	1.16	1.000	43.02	43.02	1.000	1.000	NO	46.05		0.0229	46.05
94	94 PCB-122			NO	0.973	1.000	43.15		1.003		YES			0.0274	
95	95 PCB-105	5.49e5	1.57	NO	1.10	1.000	43.91	43.91	1.000	1.000	NO	49.49		0.0237	49.49
96	96 PCB-127			NO	1.11	1.000	44.27		1.000		YES			0.0233	
97	97 PCB-126	5.54e5	1.59	NO	1.21	1.000	46.22	46.22	1.000	1.000	NO	48.91		0.0239	48.91
98	98 PCB-155	5.95e5	1.27	NO	0.874	1.000	37.67	37.69	1.000	1.001	NO	56.75		0.0120	56.75
99	99 PCB-150			NO	0.881	1.000	38.97		1.035		YES			0.0119	
100	1... PCB-152			NO	1.00	1.000	39.46		1.048		YES			0.0104	
101	1... PCB-145			NO	1.00	1.000	39.93		1.061		YES			0.0105	
102	1... PCB-136			NO	0.843	1.000	40.26		1.069		YES			0.0124	
103	1... PCB-148			NO	0.693	1.000	40.37		1.072		YES			0.0151	
104	1... PCB-154			NO	0.724	1.000	40.88		1.086		YES			0.0145	

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.632	1.000	41.56		1.104		YES		35-65	0.0166	
106	1... PCB-135			NO	0.716	1.000	41.78		1.110		YES			0.0146	
107	1... PCB-144			NO	0.667	1.000	41.87		1.112		YES			0.0157	
108	1... PCB-147			NO	0.661	1.000	42.02		1.116		YES			0.0158	
109	1... PCB-139/149	4.11e5	1.26	NO	0.738	1.000	42.28	42.29	1.123	1.123	NO	46.32		0.0142	46.32
110	1... PCB-140			NO	0.627	1.000	42.49		1.128		YES			0.0167	
111	1... PCB-134/143			NO	0.733	1.000	42.94		0.975		YES			0.0388	
112	1... PCB-131/133			NO	0.790	1.000	43.24		0.982		YES			0.0360	
113	1... PCB-142			NO	0.708	1.000	43.43		0.986		YES			0.0402	
114	1... PCB-146/165			NO	0.959	1.000	43.64		0.990		YES			0.0297	
115	1... PCB-132/161			NO	0.974	1.000	43.89		0.996		YES			0.0292	
116	1... PCB-153	4.28e5	1.21	NO	1.01	1.000	44.08	44.08	1.000	1.000	NO	45.74		0.0281	45.74
117	1... PCB-168			NO	1.02	1.000	44.28		1.005		YES			0.0279	
118	1... PCB-141			NO	0.967	1.000	44.86		1.001		YES			0.0370	
119	1... PCB-137			NO	0.987	1.000	45.23		1.009		YES			0.0363	
120	1... PCB-130			NO	0.840	1.000	45.34		1.012		YES			0.0426	
121	1... PCB-138/163/164	3.71e5	1.19	NO	1.23	1.000	45.72	45.71	1.001	1.000	NO	39.00	39.00	0.0281	39.00
122	1... PCB-158/160			NO	1.18	1.000	45.98		1.006		YES			0.0293	
123	1... PCB-129			NO	0.819	1.000	46.23		1.012		YES			0.0421	
124	1... PCB-166			NO	1.07	1.000	46.69		0.993		YES			0.0274	
125	1... PCB-159			NO	1.12	1.000	47.03		1.000		YES			0.0262	
126	1... PCB-128/162	4.56e5	1.21	NO	0.851	1.000	47.32	47.34	1.007	1.007	NO	57.57		0.0344	57.57
127	1... PCB-167	5.02e5	1.19	NO	1.04	1.000	47.73	47.73	1.000	1.000	NO	51.80		0.0287	51.80
128	1... PCB-156	4.50e5	1.21	NO	1.06	1.000	49.08	49.08	1.000	1.000	NO	46.22		0.0285	46.22
129	1... PCB-157	5.10e5	1.19	NO	0.978	1.000	49.36	49.34	1.001	1.000	NO	56.38		0.0300	56.38
130	1... PCB-169	4.53e5	1.19	NO	1.11	1.000	51.62	51.62	1.000	1.000	NO	45.69		0.0288	45.69
131	1... PCB-188	5.49e5	1.03	NO	1.19	1.000	43.72	43.70	1.001	1.000	NO	52.22		0.0289	52.22
132	1... PCB-184			NO	1.17	1.000	44.17		1.011		YES			0.0295	
133	1... PCB-179			NO	1.18	1.000	44.96		1.029		YES			0.0293	
134	1... PCB-176			NO	1.16	1.000	45.45		1.041		YES			0.0297	
135	1... PCB-186			NO	1.22	1.000	46.07		1.055		YES			0.0283	
136	1... PCB-178	3.71e5	1.03	NO	0.830	1.000	46.59	46.58	1.067	1.066	NO	50.70		0.0415	50.70
137	1... PCB-175			NO	0.849	1.000	46.95		1.075		YES			0.0406	
138	1... PCB-182/187	4.09e5	1.05	NO	0.960	1.000	47.12	47.11	1.079	1.079	NO	48.37		0.0359	48.37
139	1... PCB-183			NO	0.957	1.000	47.44		1.086		YES			0.0360	
140	1... PCB-185			NO	1.32	1.000	48.14		0.956		YES			0.0413	

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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7/2/19
DB FOR HC

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	3.54e5	1.02	NO	1.22	1.000	48.52	48.51	0.963	0.963	NO	48.94	75.65	0.0448	48.94
142	1... PCB-181			NO	1.41	1.000	48.63		0.965		YES			0.0386	
143	1... PCB-177			NO	1.24	1.000	48.80		0.969		YES			0.0440	
144	1... PCB-171			NO	1.24	1.000	49.11		0.975		YES			0.0439	
145	1... PCB-173			NO	1.14	1.000	49.54		0.983		YES			0.0478	
146	1... PCB-172			NO	1.31	1.000	50.00		0.992		YES			0.0417	
147	1... PCB-192			NO	1.70	1.000	50.20		0.996		YES			0.0321	
148	1... PCB-180	4.20e5	1.04	NO	1.32	1.000	50.41	50.40	1.000	1.000	NO	53.57		0.0413	53.57
149	1... PCB-193			NO	1.54	1.000	50.62		1.005		YES			0.0354	
150	1... PCB-191			NO	1.57	1.000	50.88		1.010		YES			0.0347	
151	1... PCB-170	3.41e5	1.03	NO	1.36	1.000	52.06	52.05	1.000	1.000	NO	49.08		0.0437	49.08
152	1... PCB-190			NO	1.84	1.000	52.24		1.004		YES			0.0323	
153	1... PCB-189	4.62e5	1.05	NO	1.33	1.000	53.74	53.74	1.000	1.000	NO	49.88		0.0293	49.88
154	1... PCB-202	4.71e5	0.88	NO	1.02	1.000	49.31	49.29	1.001	1.000	NO	51.01		0.0120	51.01
155	1... PCB-201			NO	0.915	1.000	49.78		1.010		YES			0.0135	
156	1... PCB-204			NO	0.979	1.000	49.95		1.014		YES			0.0126	
157	1... PCB-197			NO	0.979	1.000	50.24		1.020		YES			0.0126	
158	1... PCB-200	4.31e5	0.89	NO	0.954	1.000	51.19	51.20	1.039	1.039	NO	50.08		0.0129	50.08
159	1... PCB-198			NO	0.748	1.000	52.73		1.070		YES			0.0165	
160	1... PCB-199			NO	0.706	1.000	52.85		1.073		YES			0.0174	
161	1... PCB-196/203	3.40e5	0.90	NO	0.785	1.000	53.15	53.15	1.079	1.079	NO	48.11		0.0157	48.11
162	1... PCB-195	3.16e5	0.89	NO	1.03	1.000	54.43	54.42	0.984	0.984	NO	50.55		0.0291	50.55
163	1... PCB-194	3.30e5	0.90	NO	1.16	1.000	55.33	55.33	1.000	1.000	NO	47.12		0.0260	47.12
164	1... PCB-205	4.27e5	0.89	NO	1.40	1.000	55.59	55.60	1.005	1.005	NO	50.40		0.0214	50.40
165	1... PCB-208	3.53e5	1.33	NO	0.934	1.000	54.58	54.58	1.000	1.000	NO	48.48		0.0226	48.48
166	1... PCB-207			NO	0.912	1.000	54.90		1.006		YES			0.0231	
167	1... PCB-206	2.62e5	1.30	NO	0.987	1.000	56.86	56.86	1.000	1.000	NO	47.02		0.0285	47.02
168	1... PCB-209	3.46e5	1.18	NO	0.943	1.000	58.06	58.08	1.000	1.000	NO	51.82		0.00500	51.82
169	1... 13C-PCB-1	1.96e6	3.06	NO	1.08	1.000	15.99	16.00	0.612	0.612	NO	98.48	98.5	0.0563	
170	1... 13C-PCB-3	2.01e6	3.04	NO	1.09	1.000	18.69	18.69	0.715	0.715	NO	99.62	99.6	0.0556	
171	1... 13C-PCB-4	1.18e6	1.59	NO	0.640	1.000	20.07	20.08	0.768	0.768	NO	99.76	99.8	0.0380	
172	1... 13C-PCB-9	1.81e6	1.60	NO	0.995	1.000	21.92	21.92	0.839	0.839	NO	98.50	98.5	0.0245	
173	1... 13C-PCB-11	1.77e6	1.61	NO	0.971	1.000	25.42	25.41	0.973	0.972	NO	98.49	98.5	0.0251	
174	1... 13C-PCB-19	1.16e6	1.03	NO	0.637	1.000	24.36	24.36	0.932	0.932	NO	98.74	98.7	0.314	
175	1... 13C-PCB-32	1.63e6	1.03	NO	0.910	1.000	27.38	27.38	1.047	1.047	NO	96.77	96.8	0.220	
176	1... 13C-PCB-28	1.62e6	0.99	NO	1.07	1.000	29.41	29.41	1.004	1.004	NO	102.4	102	0.281	

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.44e6	1.00	NO	0.959	1.000	33.43	33.43	1.141	1.141	NO	101.4	100	0.313	
178	1... 13C-PCB-54	1.36e6	0.75	NO	1.10	1.000	28.23	28.24	0.756	0.756	NO	98.57	98.6	0.0541	
179	1... 13C-PCB-52	1.06e6	0.78	NO	0.844	1.000	31.91	31.92	0.854	0.855	NO	100.4	100	0.0704	
180	1... 13C-PCB-47	1.11e6	0.78	NO	0.893	1.000	32.43	32.44	0.868	0.868	NO	99.14	99.1	0.0665	
181	1... 13C-PCB-70	1.26e6	0.78	NO	1.01	1.000	36.07	36.07	0.966	0.966	NO	99.23	99.2	0.0590	
182	1... 13C-PCB-80	1.31e6	0.77	NO	1.05	1.000	36.51	36.52	0.977	0.978	NO	99.87	99.9	0.0568	
183	1... 13C-PCB-81	1.24e6	0.77	NO	0.985	1.000	39.72	39.72	1.063	1.063	NO	100.6	101	0.0603	
184	1... 13C-PCB-77	1.21e6	0.81	NO	0.958	1.000	40.33	40.35	1.080	1.080	NO	100.4	100	0.0620	
185	1... 13C-PCB-104	1.29e6	1.60	NO	1.10	1.000	33.10	33.11	0.829	0.829	NO	99.39	99.4	0.0288	
186	1... 13C-PCB-95	9.93e5	1.62	NO	0.852	1.000	36.37	36.39	0.911	0.911	NO	98.70	98.7	0.0370	
187	1... 13C-PCB-101	9.65e5	1.61	NO	0.814	1.000	38.12	38.14	0.955	0.955	NO	100.4	100	0.0388	
188	1... 13C-PCB-97	8.38e5	1.60	NO	0.709	1.000	39.47	39.48	0.989	0.989	NO	100.0	100	0.0445	
189	1... 13C-PCB-123	1.08e6	1.61	NO	0.922	1.000	42.12	42.14	1.055	1.055	NO	99.15	99.1	0.0342	
190	1... 13C-PCB-118	1.14e6	1.58	NO	0.975	1.000	42.32	42.32	1.060	1.060	NO	99.01	99.0	0.0324	
191	1... 13C-PCB-114	9.64e5	1.57	NO	1.52	1.000	43.02	43.00	0.910	0.909	NO	95.80	95.8	0.0533	
192	1... 13C-PCB-105	1.01e6	1.55	NO	1.58	1.000	43.89	43.89	0.928	0.928	NO	96.05	96.0	0.0512	
193	1... 13C-PCB-127	1.03e6	1.56	NO	1.62	1.000	44.23	44.25	0.935	0.936	NO	95.77	95.8	0.0500	
194	1... 13C-PCB-126	9.34e5	1.57	NO	1.45	1.000	46.20	46.20	0.977	0.977	NO	97.55	97.5	0.0561	
195	1... 13C-PCB-155	1.20e6	1.28	NO	1.03	1.000	37.65	37.65	0.943	0.943	NO	99.08	99.1	0.0115	
196	1... 13C-PCB-153	9.25e5	1.24	NO	1.42	1.000	44.04	44.06	0.931	0.932	NO	98.14	98.1	0.0601	
197	1... 13C-PCB-141	7.48e5	1.25	NO	1.14	1.000	44.81	44.82	0.947	0.948	NO	98.89	98.9	0.0749	
198	1... 13C-PCB-138	7.77e5	1.24	NO	1.18	1.000	45.69	45.69	0.966	0.966	NO	99.38	99.4	0.0726	
199	1... 13C-PCB-159	9.32e5	1.25	NO	1.43	1.000	47.01	47.01	0.994	0.994	NO	98.19	98.2	0.0597	
200	2... 13C-PCB-167	9.29e5	1.27	NO	1.42	1.000	47.71	47.71	1.009	1.009	NO	98.54	98.5	0.0601	
201	2... 13C-PCB-156	9.22e5	1.28	NO	1.40	1.000	49.04	49.06	1.037	1.037	NO	99.60	99.6	0.0613	
202	2... 13C-PCB-157	9.26e5	1.31	NO	1.41	1.000	49.32	49.33	1.043	1.043	NO	99.38	99.4	0.0609	
203	2... 13C-PCB-169	8.95e5	1.25	NO	1.35	1.000	51.60	51.60	1.091	1.091	NO	100.4	100	0.0636	
204	2... 13C-PCB-188	8.81e5	0.46	NO	1.46	1.000	43.66	43.68	0.927	0.927	NO	94.37	94.4	0.0454	
205	2... 13C-PCB-180	5.93e5	0.46	NO	0.932	1.000	50.37	50.39	1.069	1.070	NO	99.77	99.8	0.0712	
206	2... 13C-PCB-170	5.11e5	0.45	NO	0.796	1.000	52.03	52.03	1.104	1.105	NO	100.6	101	0.0834	
207	2... 13C-PCB-189	6.95e5	0.44	NO	1.09	1.000	53.72	53.72	1.140	1.140	NO	99.84	99.8	0.0609	
208	2... 13C-PCB-202	9.02e5	0.96	NO	1.45	1.000	49.27	49.27	1.042	1.042	NO	97.44	97.4	0.0319	
209	2... 13C-PCB-194	6.05e5	0.86	NO	0.714	1.000	55.31	55.31	0.995	0.995	NO	96.92	96.9	0.0485	
210	2... 13C-PCB-208	7.80e5	0.76	NO	0.896	1.000	54.57	54.56	0.982	0.982	NO	99.51	99.5	0.0437	
211	2... 13C-PCB-206	5.65e5	0.80	NO	0.653	1.000	56.85	56.85	1.023	1.023	NO	98.96	99.0	0.0600	
212	2... 13C-PCB-209	7.07e5	1.19	NO	0.806	1.000	58.07	58.06	1.045	1.044	NO	100.4	100	0.00637	

Dataset: U:\VG11.PRO\Results\190628K2\190628K2-7.qld

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Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	1.85e6	1.59	NO	1.00	1.000	26.14	26.14	1.000	0.000	NO	100.0	100	0.0243	
214	2... 13C-PCB-31	1.48e6	0.97	NO	1.00	1.000	29.30	29.30	1.000	0.000	NO	100.0	100	0.300	
215	2... 13C-PCB-60	1.26e6	0.76	NO	1.00	1.000	37.37	37.35	1.000	0.000	NO	100.0	100	0.0594	
216	2... 13C-PCB-111	1.18e6	1.61	NO	1.00	1.000	39.94	39.92	1.000	0.000	NO	100.0	100	0.0316	
217	2... 13C-PCB-128	6.62e5	1.26	NO	1.00	1.000	47.32	47.30	1.000	0.000	NO	100.0	100	0.0856	
218	2... 13C-PCB-182	6.38e5	0.45	NO	1.00	1.000	47.13	47.11	0.000	0.000	NO	100.0	100	0.0664	
219	2... 13C-PCB-205	8.75e5	0.91	NO	1.00	1.000	55.60	55.59	1.000	0.000	NO	100.0	100	0.0346	
220	2... 13C-PCB-79	1.34e6	0.76	NO	1.03	1.000	38.45	38.45	1.029	1.029	NO	103.2	103	0.0576	136
221	2... 13C-PCB-178	5.92e5	0.45	NO	0.875	1.000	46.56	46.56	0.988	0.988	NO	102.2	102	0.0727	
222	2... 13C-PCB-79	1.34e6	0.76	NO	1.05	1.000	38.45	38.45	0.968	0.968	NO	102.9	103	0.0588	
223	2... 13C-PCB-178	5.92e5	0.45	NO	0.975	1.000	46.58	46.56	0.924	0.924	NO	102.4	102	0.0765	

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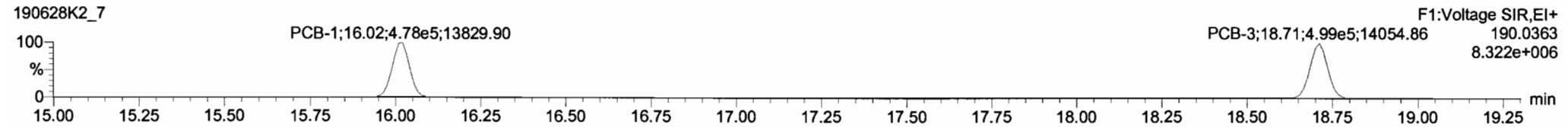
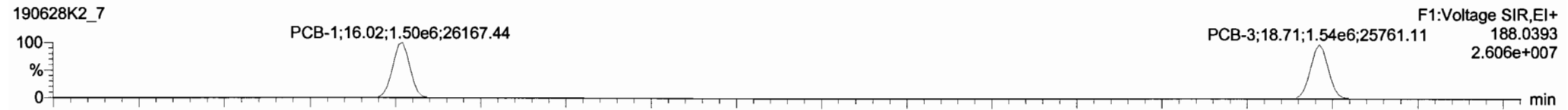
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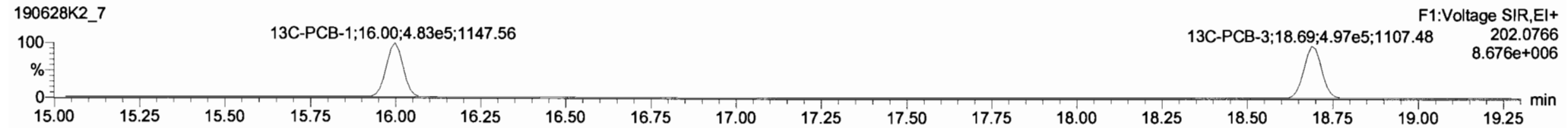
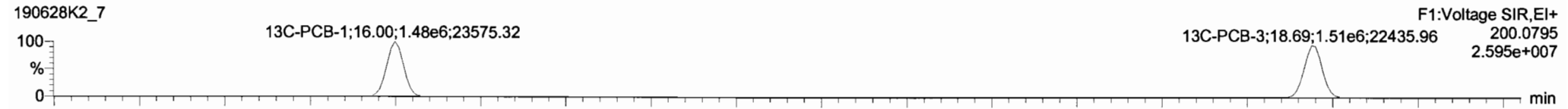
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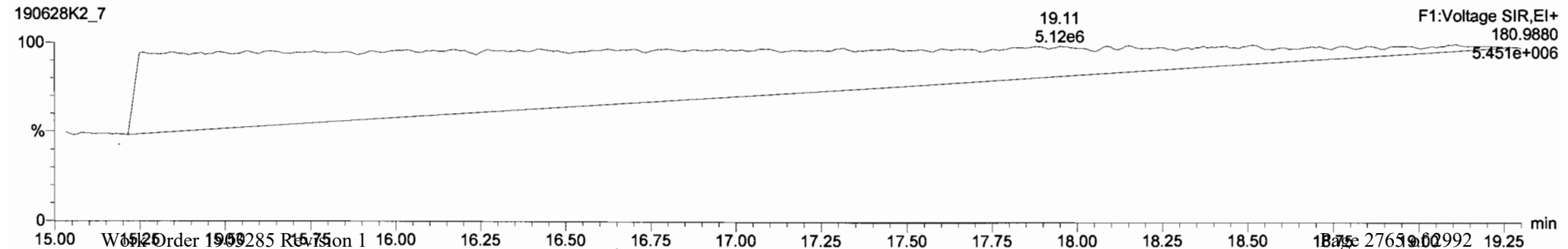
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13C-PCB-1



PFK1



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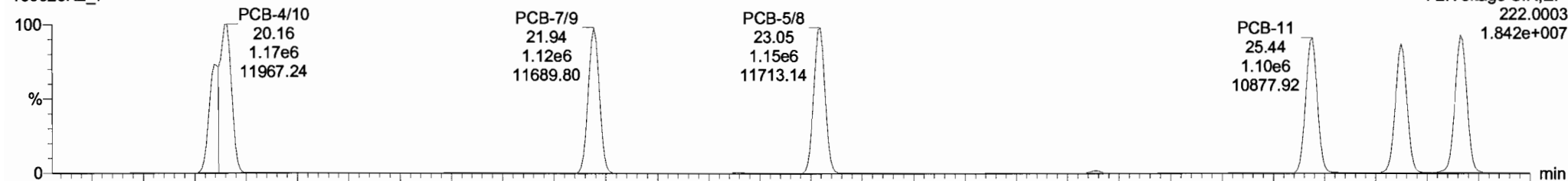
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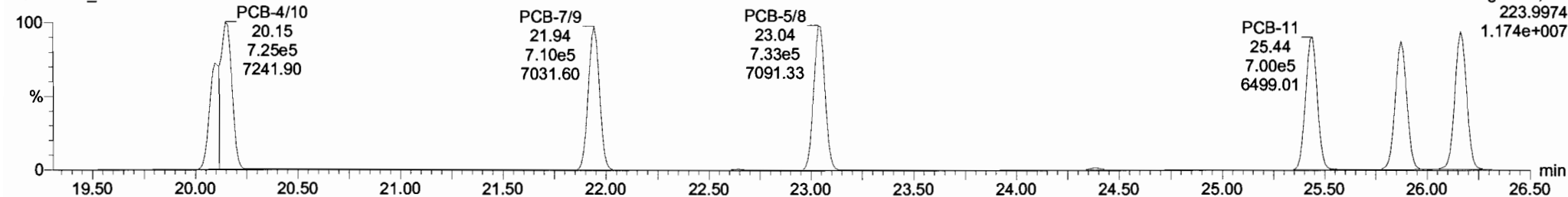
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PCB-4/10

190628K2_7

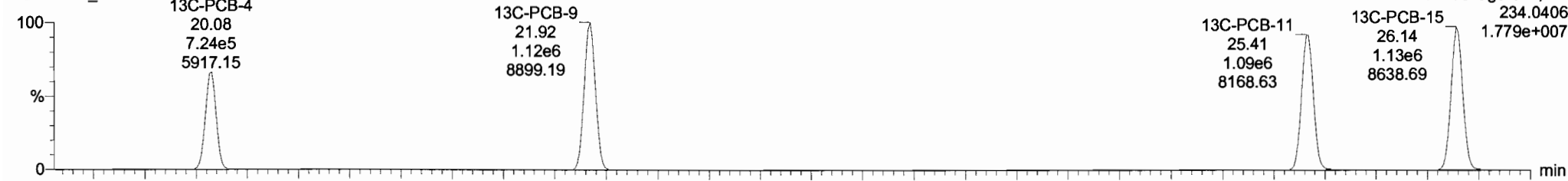


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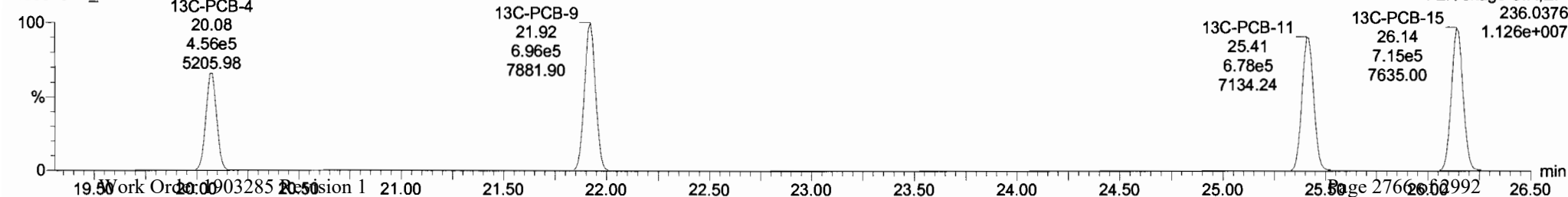


13C-PCB-4

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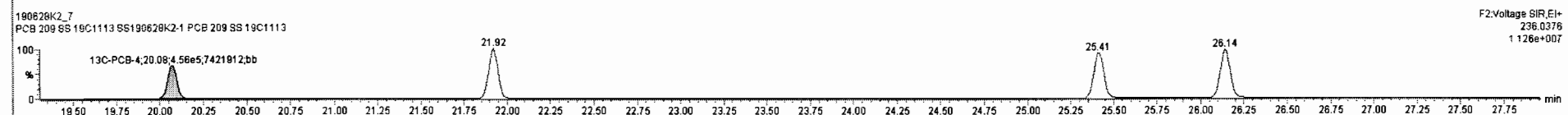
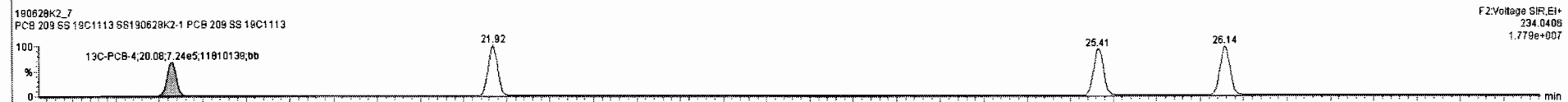
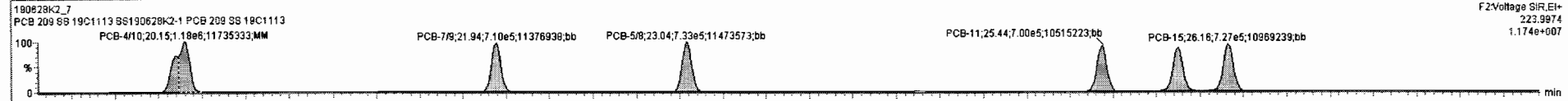
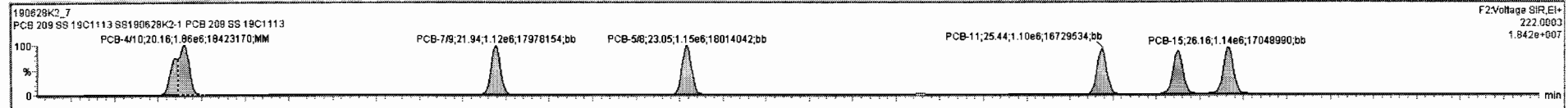
190628K2_7



190628K2_7 - SS190628K2-1 PCB 209 SS 19C1113 - PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RRF	w/NdI	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	13C-PCB-178	5.92e5	0.45	NO	0.8746	1.000	46.56	46.56	0.988	0.968	NO	102.2	102	0.0727	
222	13C-PCB-79	1.34e6	0.76	NO	1.0454	1.000	38.45	38.45	0.968	0.968	NO	102.9	103	0.0588	
223	13C-PCB-178	5.92e5	0.45	NO	0.9749	1.000	46.56	46.56	0.924	0.924	NO	102.4	102	0.0765	
224	224				1.0122	1.000	0.00		0.000		NO	199.8		0.0262	199.8
225	225				1.0592	1.000	0.00		0.000		NO	697.7		0.182	697.7
226	226				0.9137	1.000	0.00		0.000		NO	94.54		0.0760	94.54
227	227				1.0563	1.000	0.00		0.000		NO	273.8		0.346	273.8
228	228				0.9861	1.000	0.00		0.000		NO	572.7		0.968	572.9
229	229				1.1154	1.000	0.00		0.000		NO	428.7		0.597	428.8
230	230				1.1112	1.000	0.00		0.000		NO	144.7		0.121	144.7
231	231				0.7739	1.000	0.00		0.000		NO	103.2		0.180	103.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
4	PCB-4/10	20.16	20.16	1.862e6	1.176e6	1.560	1.58	NO	201.92	201.92
5	PCB-7/9	21.98	21.94	1.117e6	7.095e5	1.560	1.57	NO	103.27	103.27
7	PCB-5/8	23.04	23.05	1.151e6	7.334e5	1.560	1.57	NO	102.84	102.84
9	PCB-11	25.43	25.44	1.103e6	6.997e5	1.560	1.58	NO	93.039	93.039
10	PCB-12/13	26.80	26.87	1.050e6	6.717e5	1.560	1.56	NO	93.880	93.880
11	PCB-15	26.16	26.16	1.141e6	7.272e5	1.560	1.57	NO	102.75	102.75



Dataset: Untitled

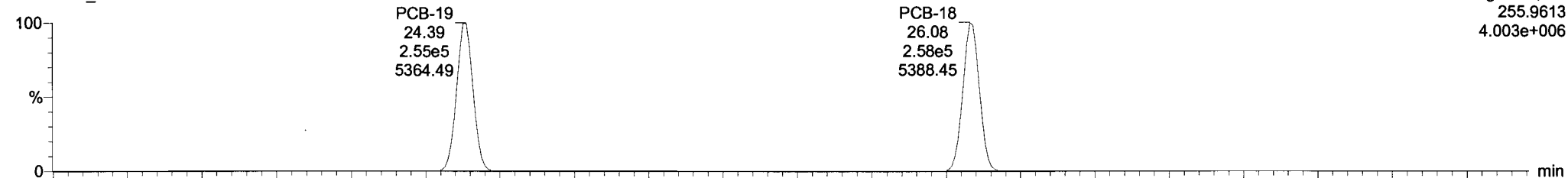
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Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

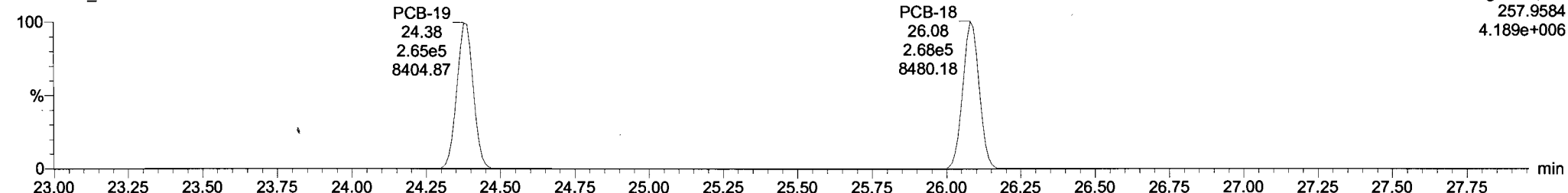
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PCB-19

190628K2_7

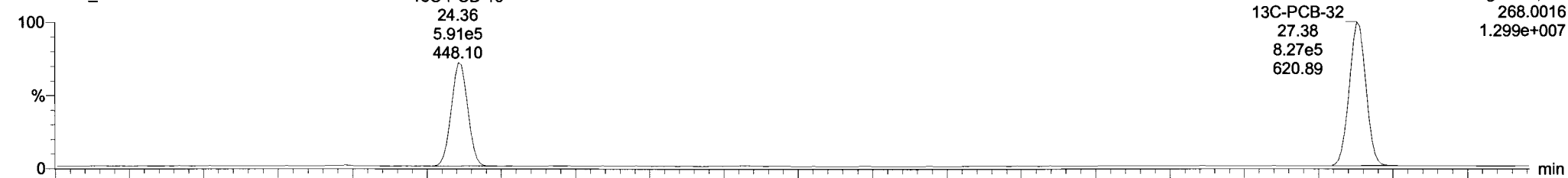


190628K2_7

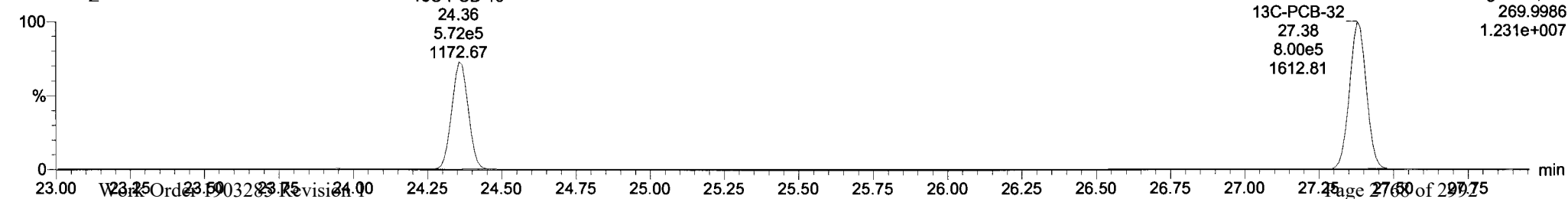


13C-PCB-19

190628K2_7



190628K2_7



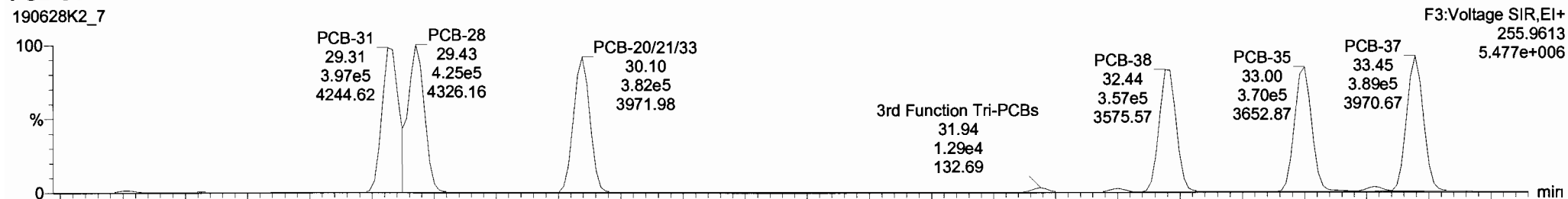
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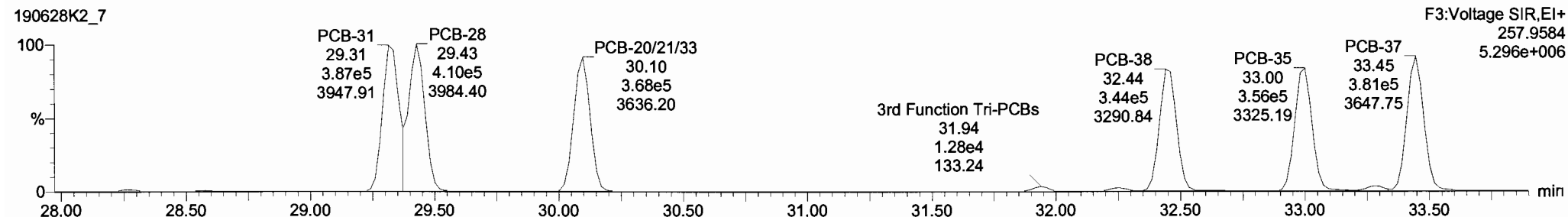
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PCB-34

190628K2_7

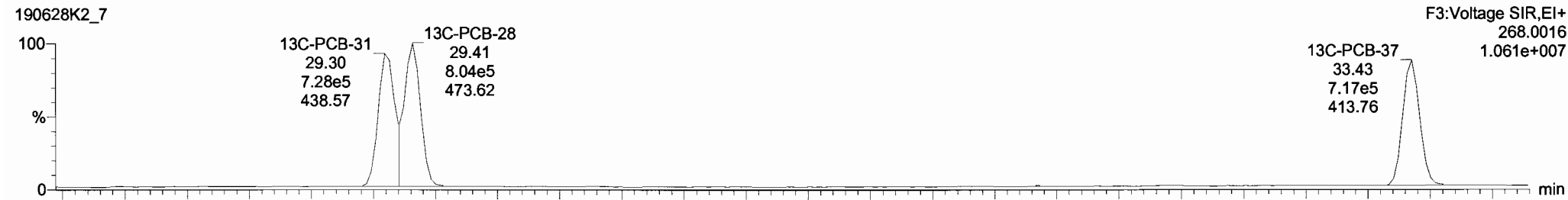


190628K2_7



13C-PCB-28

190628K2_7



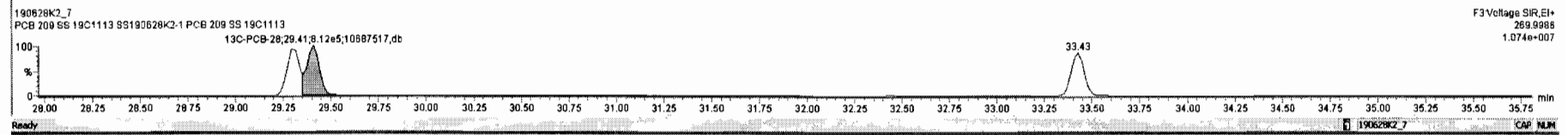
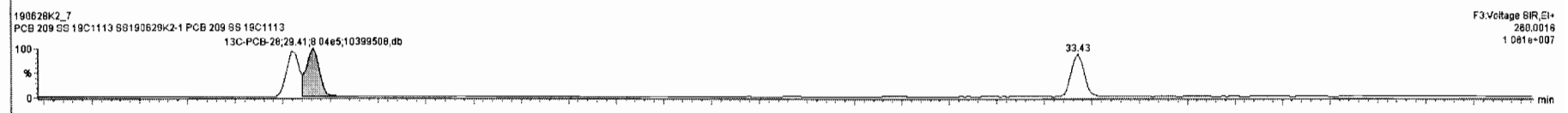
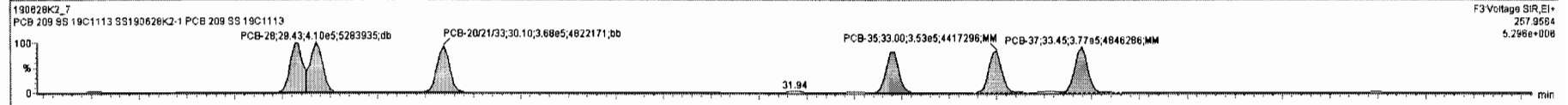
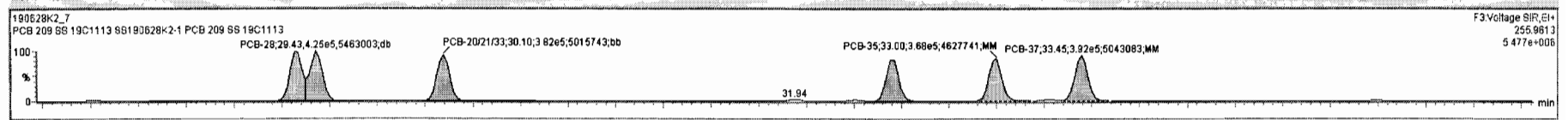
190628K2_7



190628K2_7 - SS190628K2-1 PCB 209 SS 19C1113 - PCB 209 SS 19C1113

#	Name	Resp	RA	n/y	RF	w/Vol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
221	13C-PCB-178	5.92e5	0.45	NO	0.8746	1.000	46.58	46.58	0.988	0.988	NO	102.2	102	0.0727	
222	13C-PCB-79	1.34e6	0.76	NO	1.0454	1.000	36.45	36.45	0.968	0.968	NO	102.9	103	0.0586	
223	13C-PCB-178	5.92e5	0.45	NO	0.9749	1.000	46.58	46.58	0.924	0.924	NO	102.4	102	0.0765	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000		NO	199.8		0.0282	199.8
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000		NO	697.7		0.182	697.7
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000		NO	94.54		0.0760	94.54
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.00	0.000		NO	272.2		0.346	272.2
228	228 Total Tetra-PCBs				0.9861	1.000	0.00	0.00	0.000		NO	572.7		0.998	572.9
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.00	0.000		NO	428.7		0.587	428.8
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000		NO	144.7		0.121	144.7
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000		NO	103.2		0.180	103.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	23 PCB-31	29.31	29.31	3.972e5	3.867e5	1.040	1.03	NO	43.205	43.205
2	24 PCB-28	28.43	28.43	4.250e5	4.097e5	1.040	1.04	NO	46.723	46.723
3	25 PCB-20/21/33	30.05	30.10	3.818e5	3.681e5	1.040	1.04	NO	46.246	46.246
4	29 PCB-36	32.46	32.44	3.574e5	3.439e5	1.040	1.04	NO	43.258	43.258
5	30 PCB-35	33.00	33.00	3.885e5	3.534e5	1.040	1.04	NO	44.382	44.382
6	31 PCB-37	33.46	33.45	3.920e5	3.774e5	1.040	1.04	NO	46.420	46.420



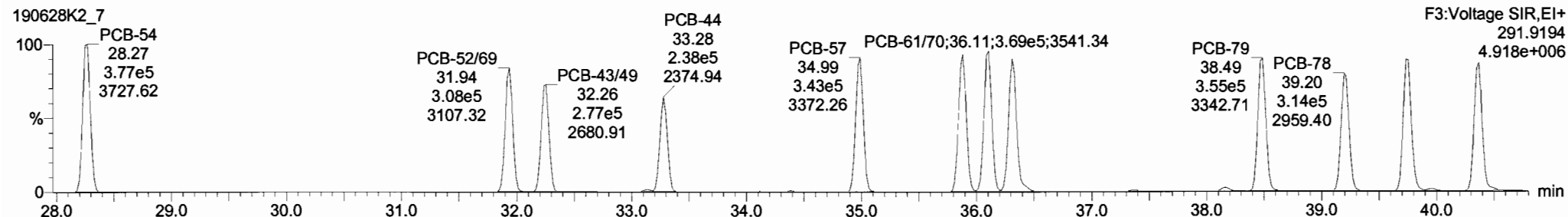
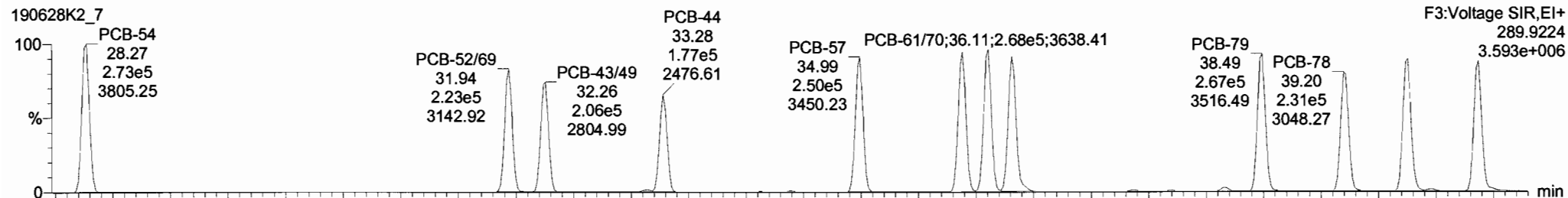
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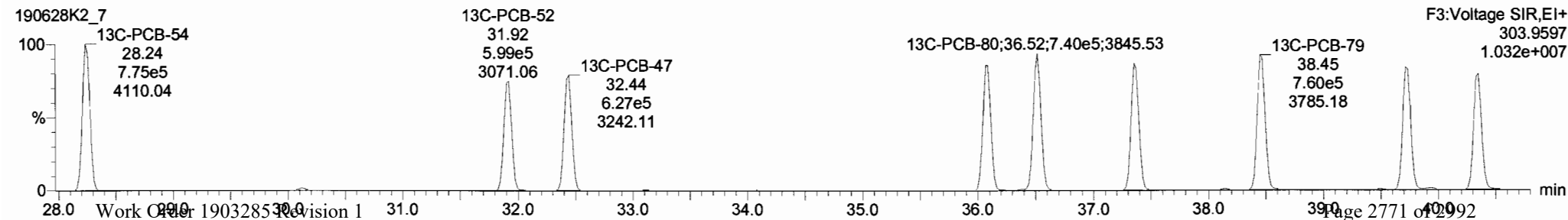
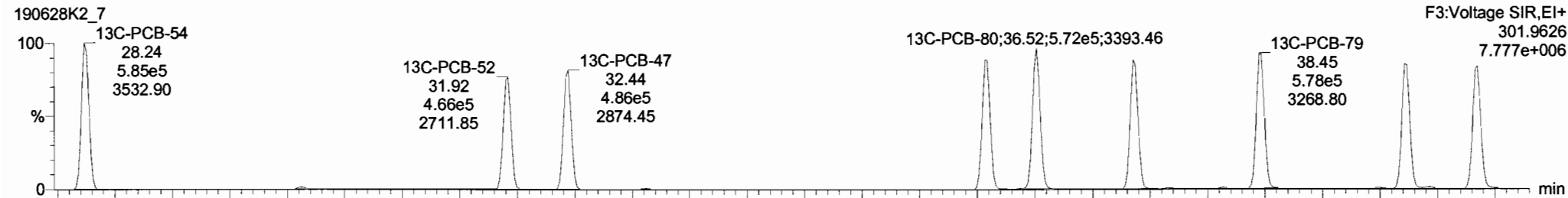
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Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-54



13C-PCB-54



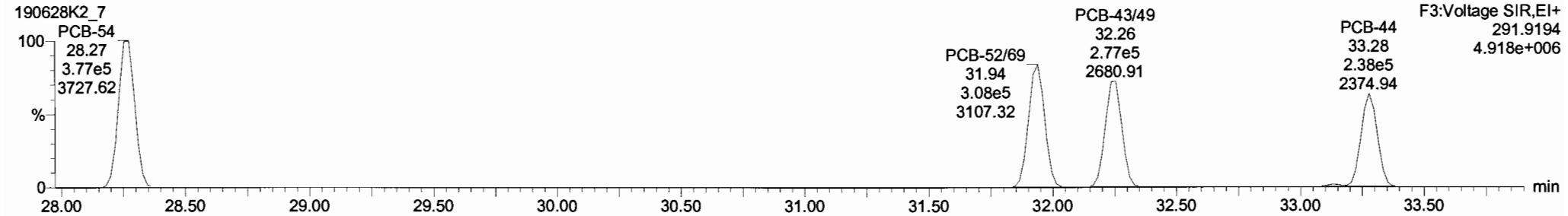
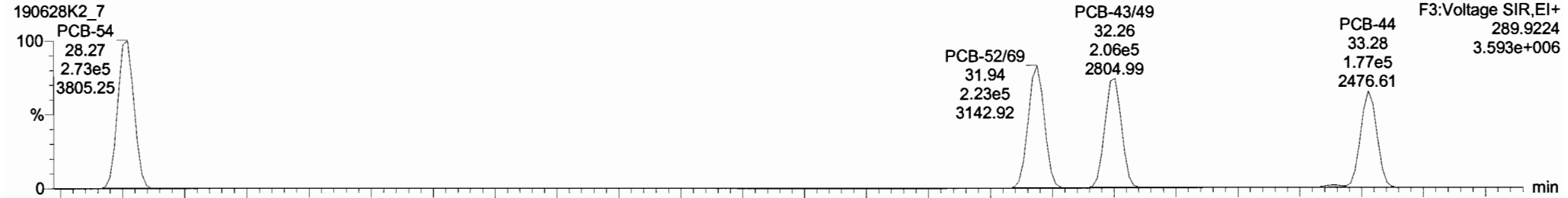
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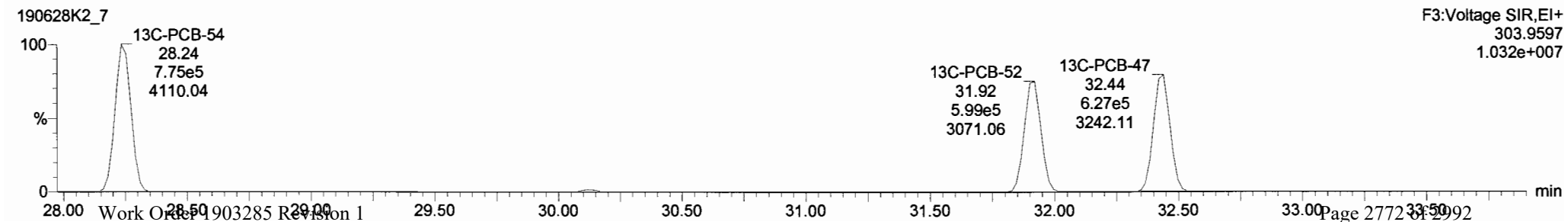
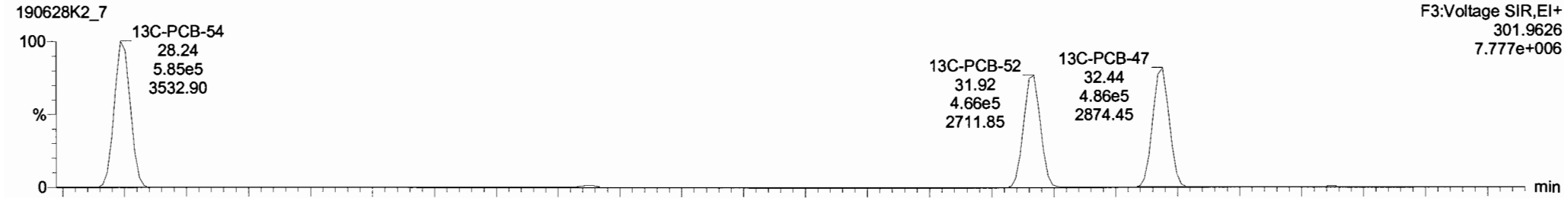
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PCB-50



13C-PCB-52



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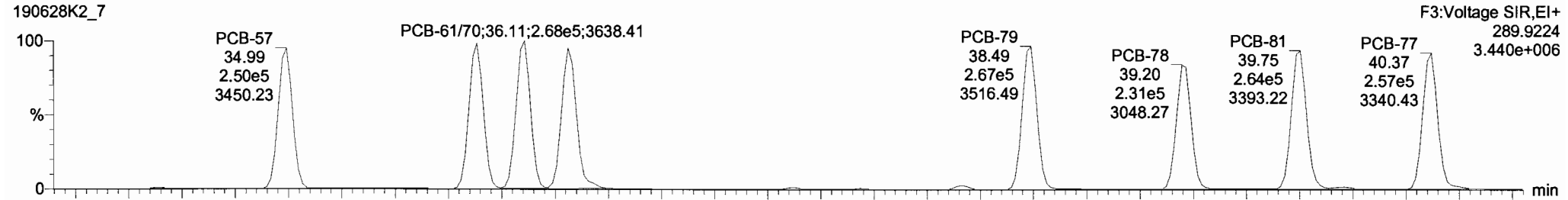
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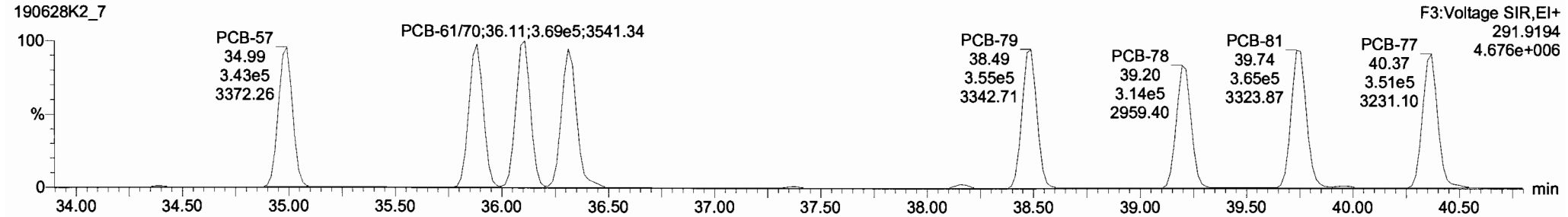
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PCB-68

190628K2_7

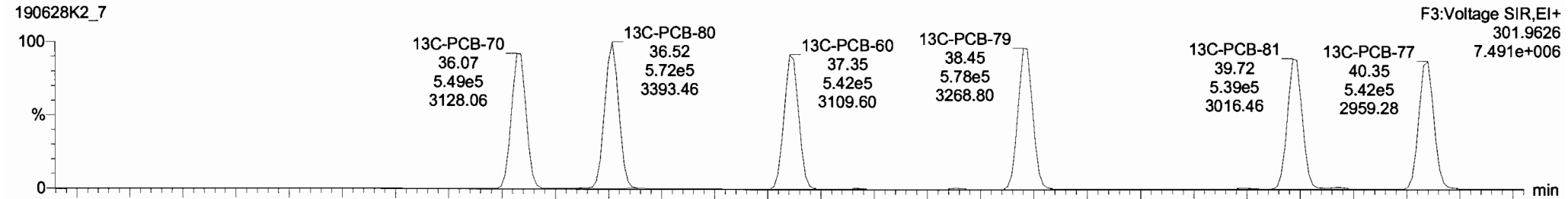


190628K2_7

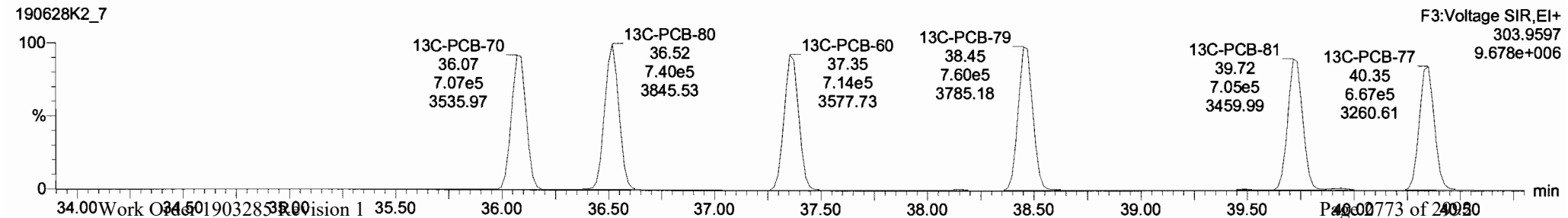


13C-PCB-60

190628K2_7

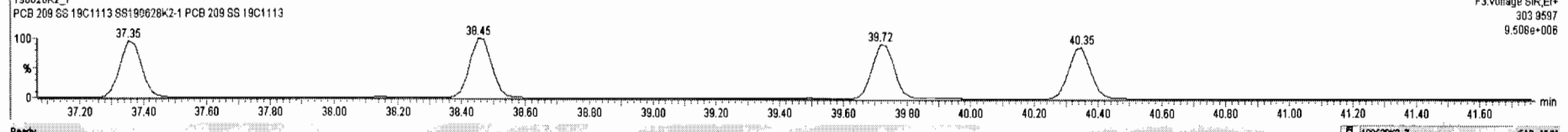
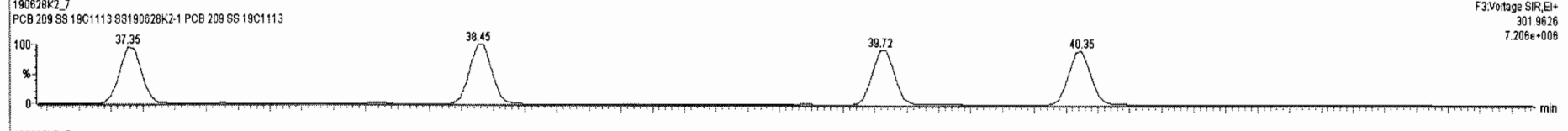
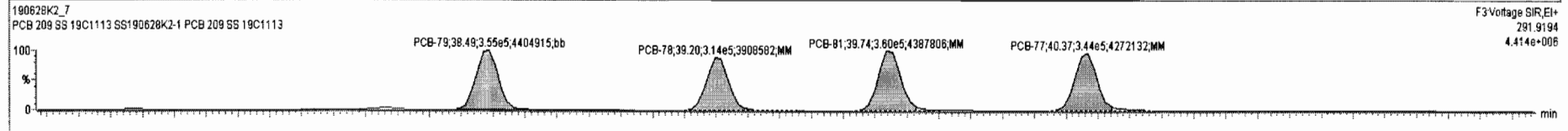
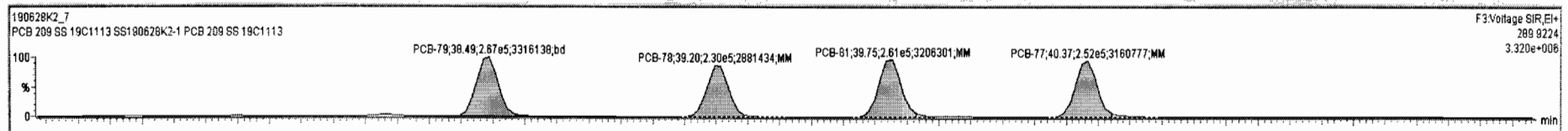


190628K2_7



#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRR	RRR Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	5.92e5	0.45	NO	0.6746	1.000	46.56	46.56	0.968	0.968	NO	102.2	102	0.0727	
222	222 13C-PCB-79	1.3466	0.76	NO	1.0454	1.000	38.45	38.45	0.968	0.968	NO	102.9	103	0.0588	
223	223 13C-PCB-178	5.92e5	0.45	NO	0.9749	1.000	46.58	46.56	0.924	0.924	NO	102.4	102	0.0765	
224	224 Total Mono-PCBs				1.0122	1.000	0.00	0.00	0.000	0.000	NO	199.8		0.0262	199.8
225	225 Total Di-PCBs				1.0592	1.000	0.00	0.00	0.000	0.000	NO	697.7		0.182	697.7
226	226 2nd Function Tri-PCBs				0.9137	1.000	0.00	0.00	0.000	0.000	NO	94.54		0.0760	94.54
227	227 3rd Function Tri-PCBs				1.0563	1.000	0.00	0.00	0.000	0.000	NO	272.2		0.346	272.2
228	228 Total Tetra-PCBs				0.9661	1.000	0.00	0.00	0.000	0.000	NO	568.4		0.906	568.4
229	229 3rd Function Penta-PCBs				1.1154	1.000	0.00	0.00	0.000	0.000	NO	428.7		0.597	428.8
230	230 4th Function Penta-PCBs				1.1112	1.000	0.00	0.00	0.000	0.000	NO	144.7		0.121	144.7
231	231 3rd Function Hexa-PCBs				0.7739	1.000	0.00	0.00	0.000	0.000	NO	103.2		0.180	103.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
6	54 PCB-74	35.86	35.88	2.619e5	3.563e5	0.770	0.73	NO	46.188	46.188
7	55 PCB-61/70	36.09	36.11	2.675e5	3.687e5	0.770	0.73	NO	51.400	51.400
8	56 PCB-76/66	36.29	36.31	2.626e5	3.623e5	0.770	0.73	NO	46.689	46.689
9	60 PCB-79	38.46	38.49	2.674e5	3.554e5	0.770	0.75	NO	45.436	45.436
10	61 PCB-78	39.20	39.20	2.303e5	3.136e5	0.770	0.73	NO	42.366	42.366
11	62 PCB-81	39.73	39.75	2.610e5	3.606e5	0.770	0.72	NO	53.498	53.498
12	63 PCB-77	40.37	40.37	2.515e5	3.441e5	0.770	0.73	NO	47.720	47.720



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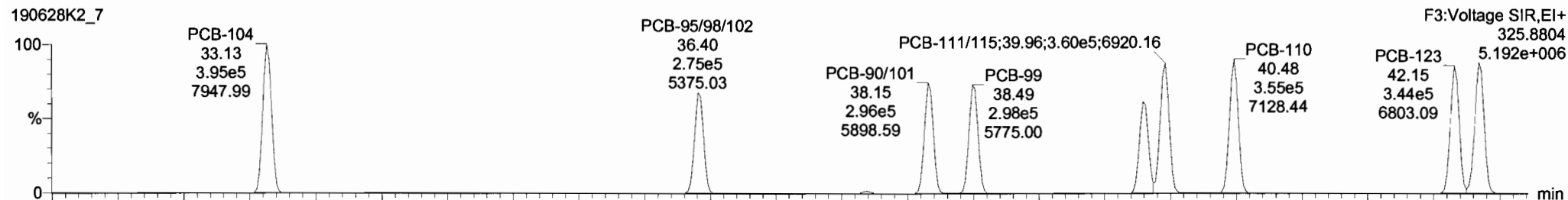
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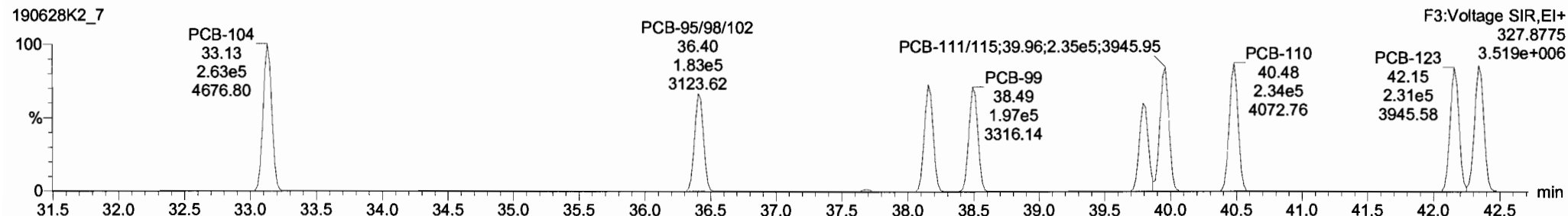
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PCB-104

190628K2_7

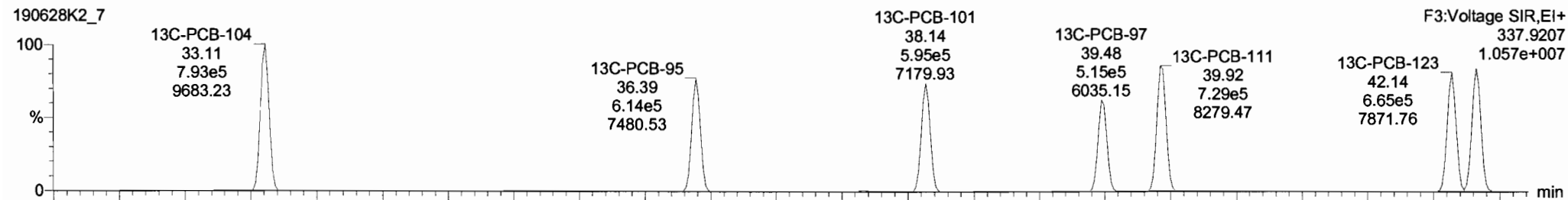


190628K2_7

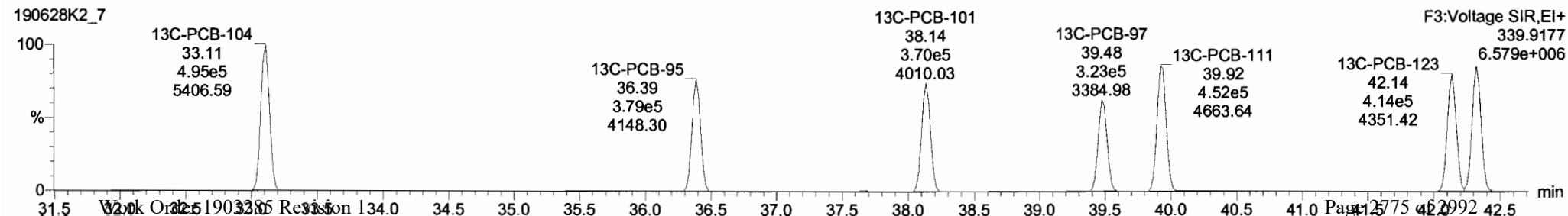


13C-PCB-104

190628K2_7



190628K2_7



Dataset: Untitled

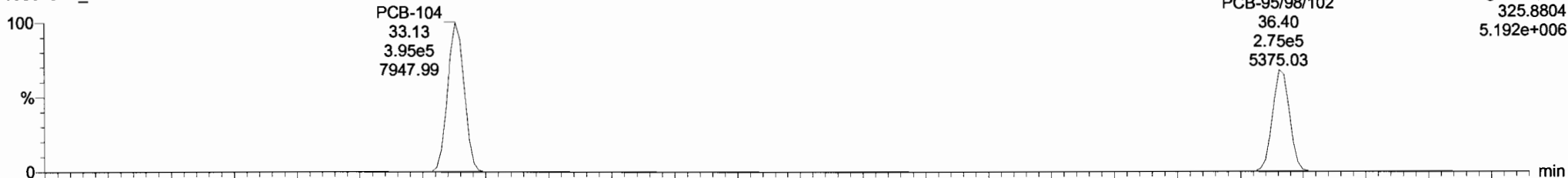
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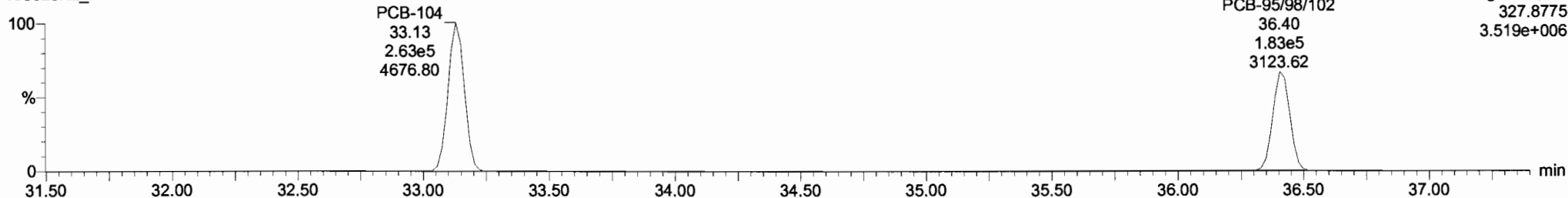
PCB-96

190628K2_7



F3:Voltage SIR,EI+
325.8804
5.192e+006

190628K2_7



F3:Voltage SIR,EI+
327.8775
3.519e+006

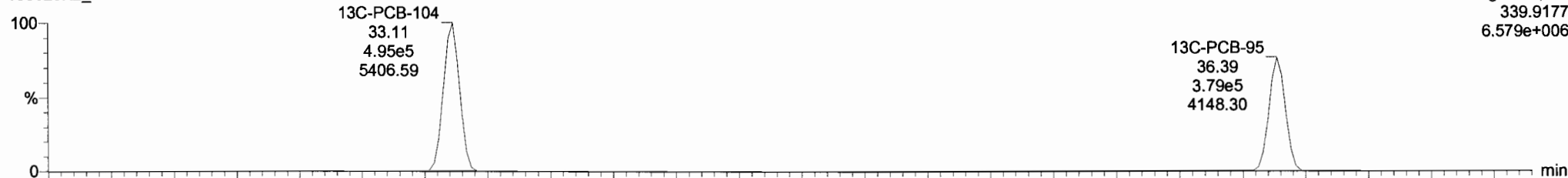
13C-PCB-95

190628K2_7



F3:Voltage SIR,EI+
337.9207
1.057e+007

190628K2_7



F3:Voltage SIR,EI+
339.9177
6.579e+006

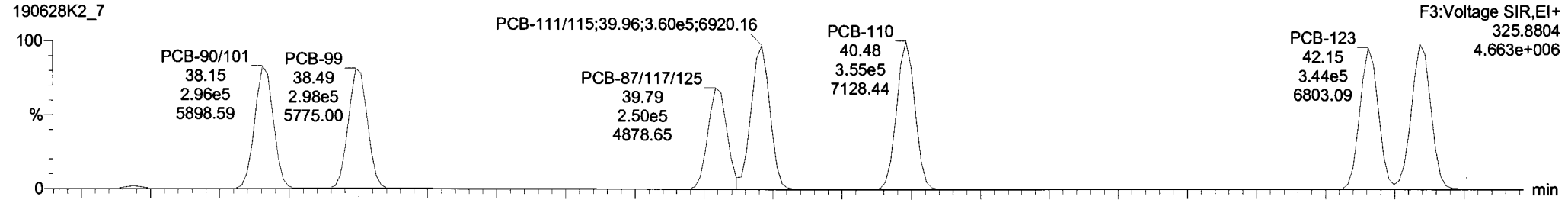
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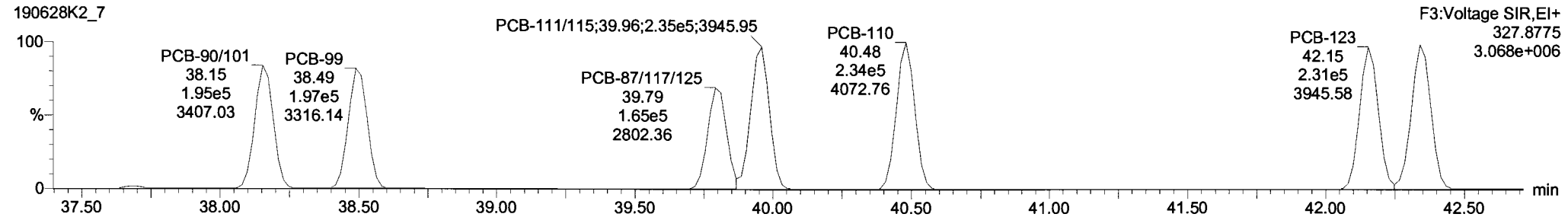
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PCB-119

190628K2_7

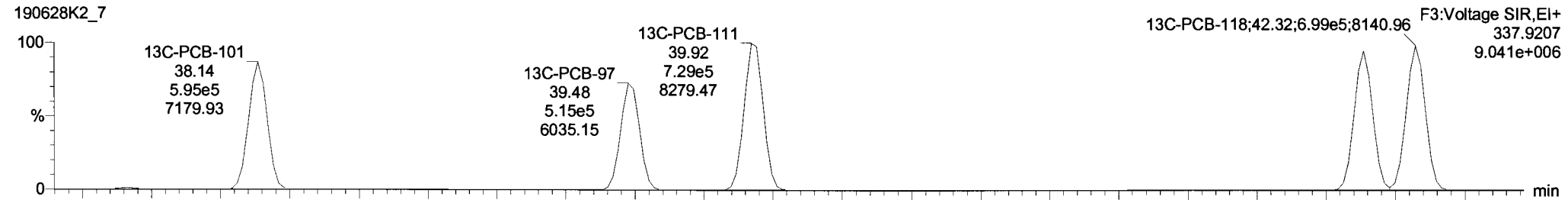


190628K2_7

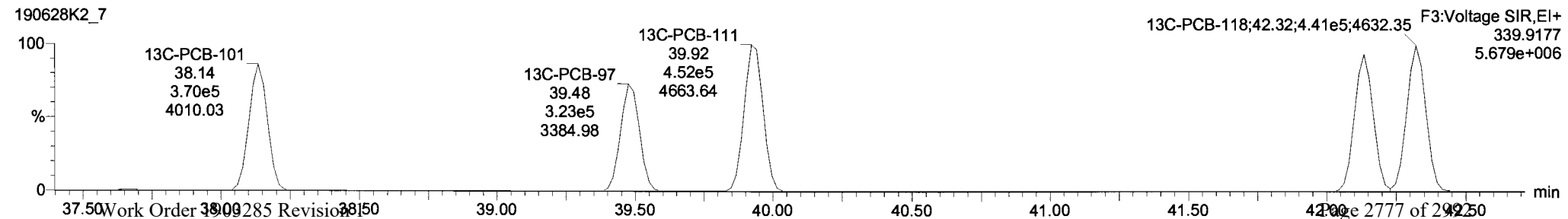


13C-PCB-111

190628K2_7



190628K2_7

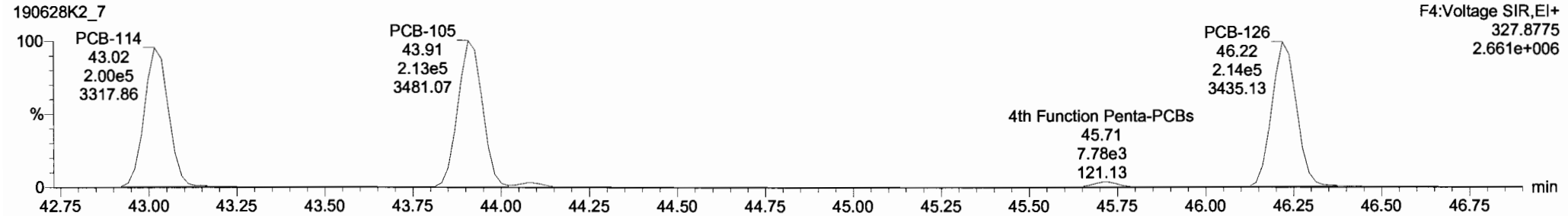
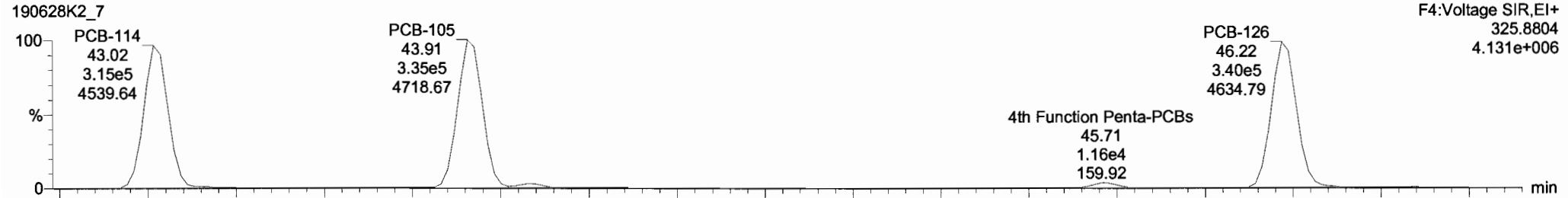


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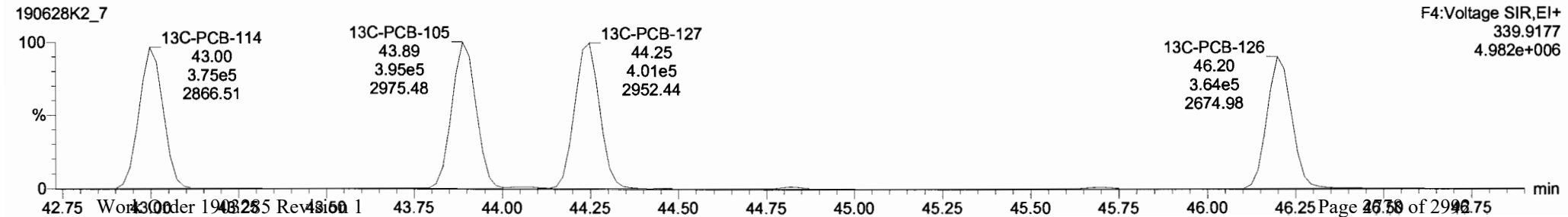
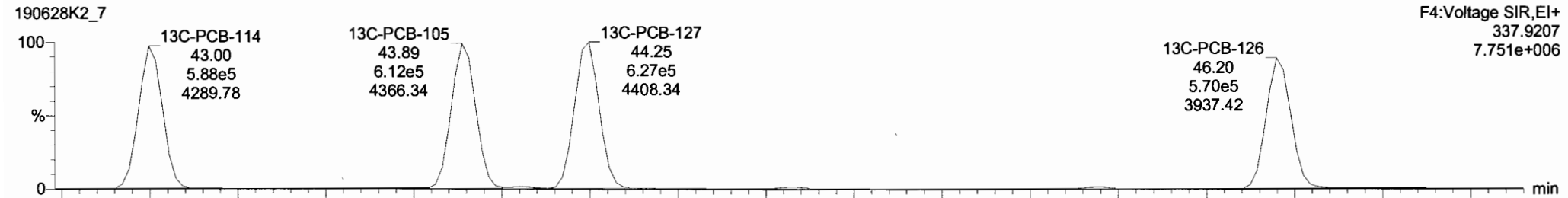
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-114



13C-PCB-114

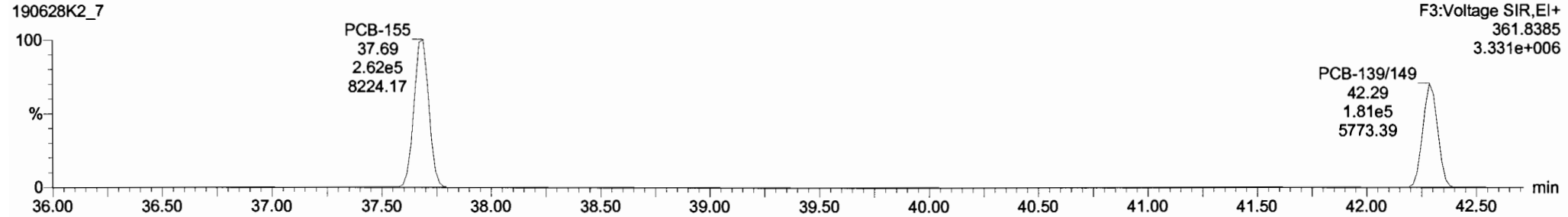
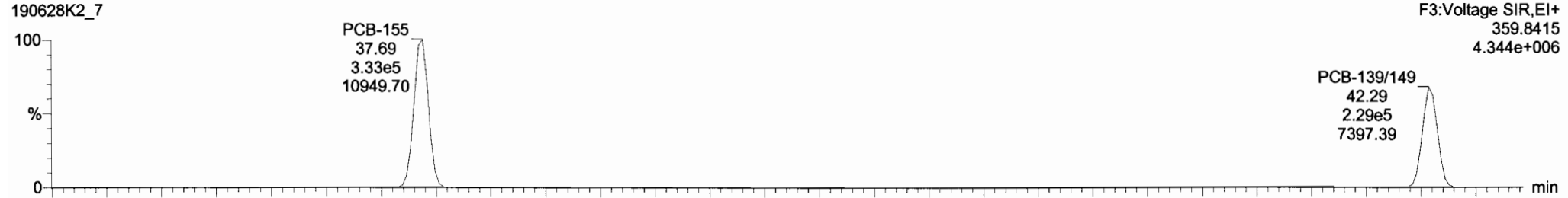


Dataset: Untitled

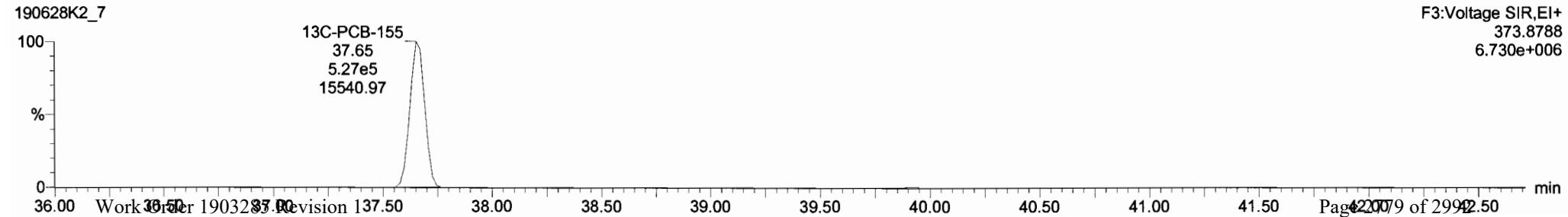
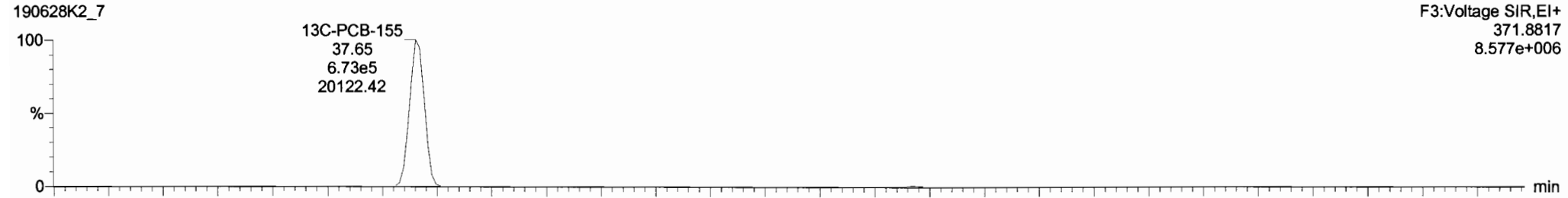
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-155



13C-PCB-155

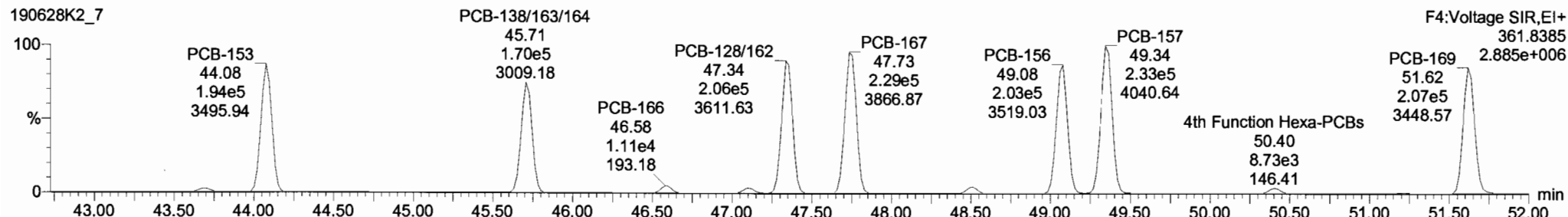
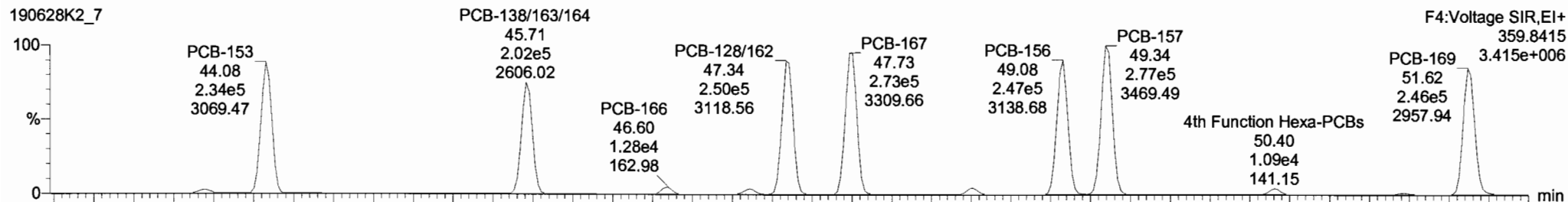


Dataset: Untitled

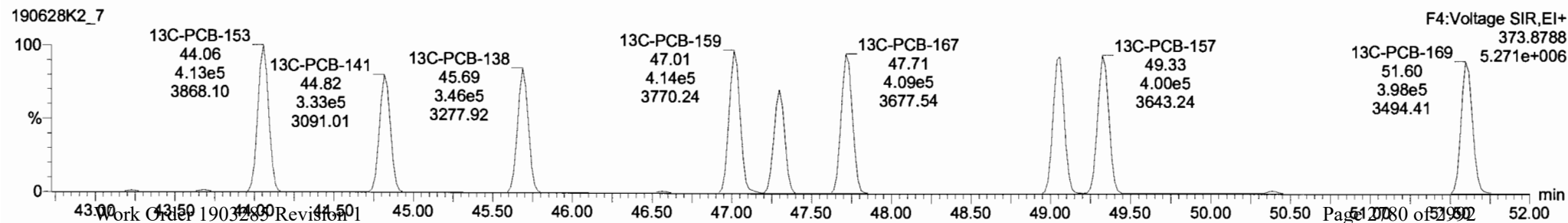
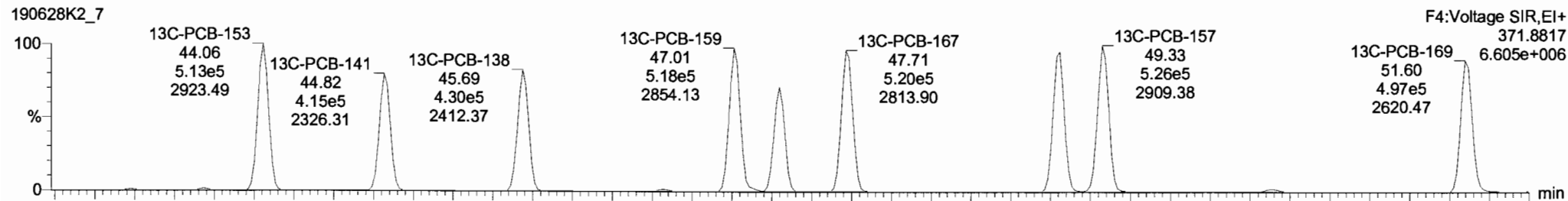
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-134/143



13C-PCB-153

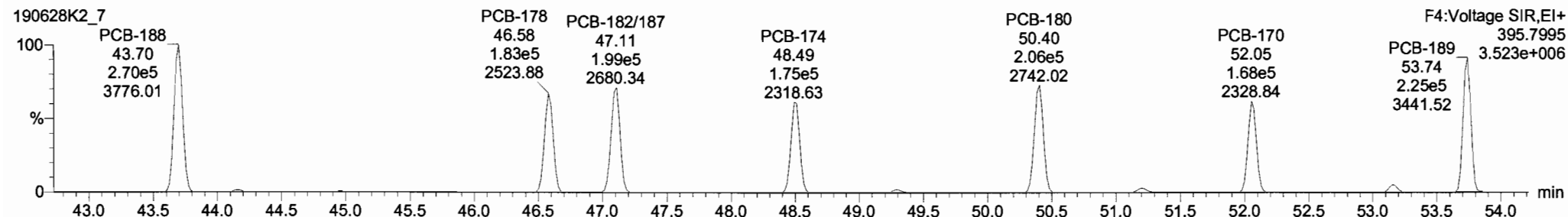
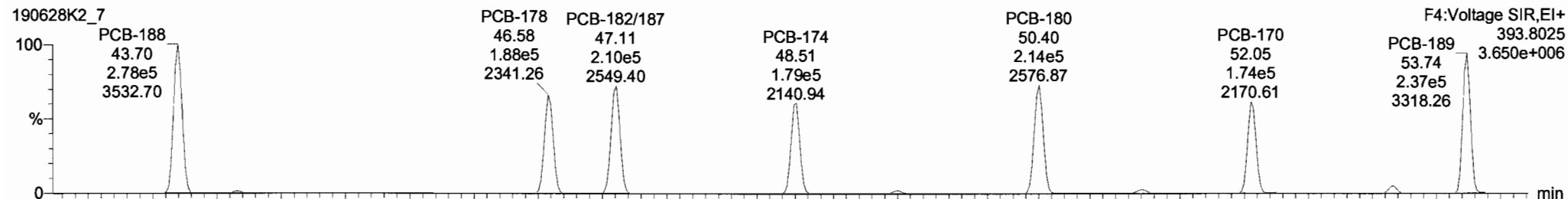


Dataset: Untitled

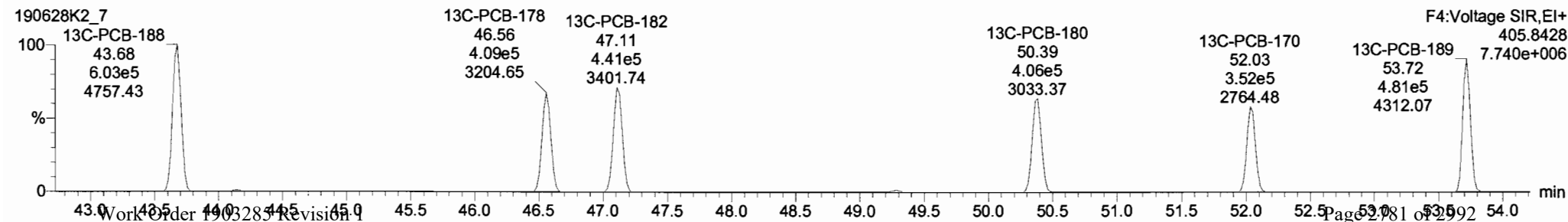
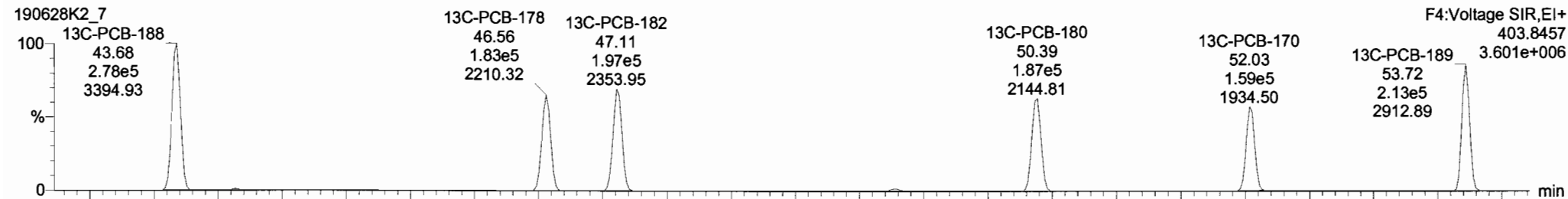
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-188



13C-PCB-188



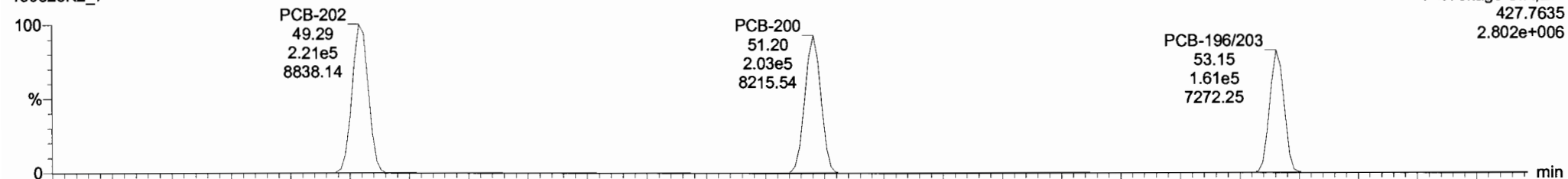
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

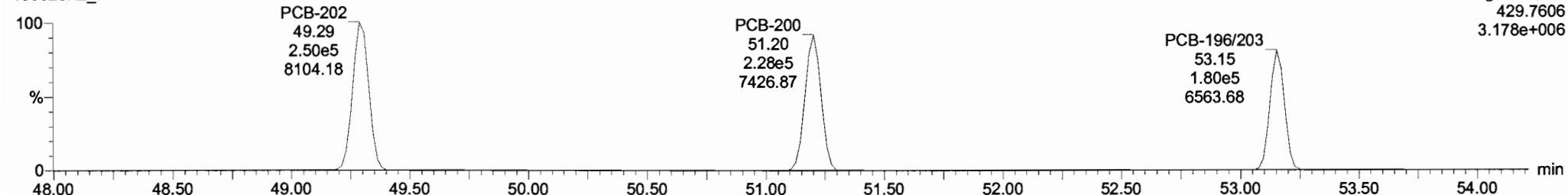
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-202

190628K2_7

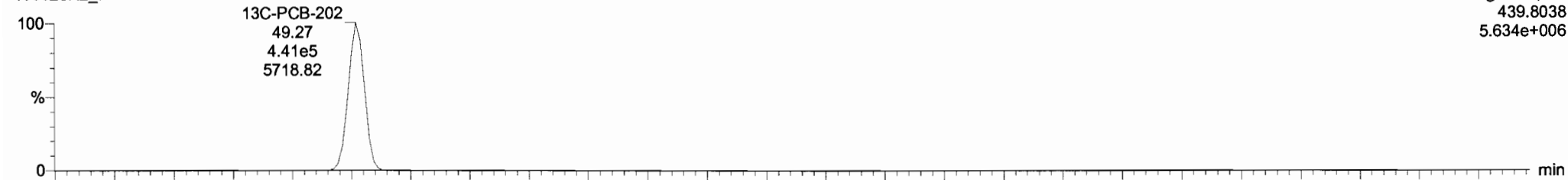


190628K2_7

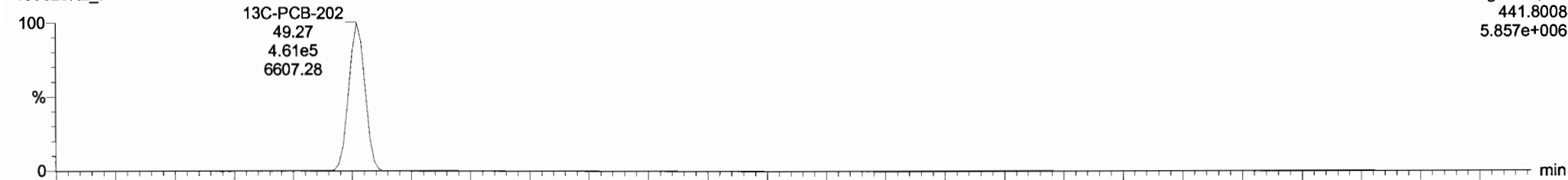


13C-PCB-202

190628K2_7



190628K2_7



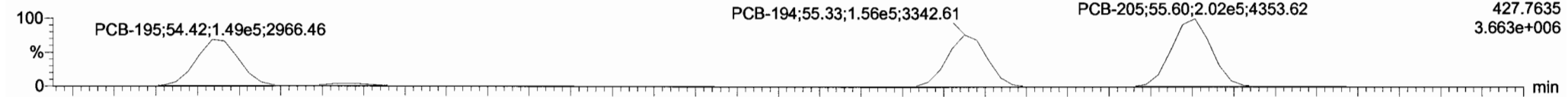
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

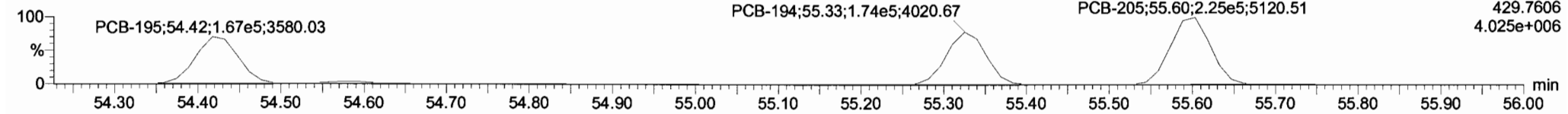
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-195

190628K2_7

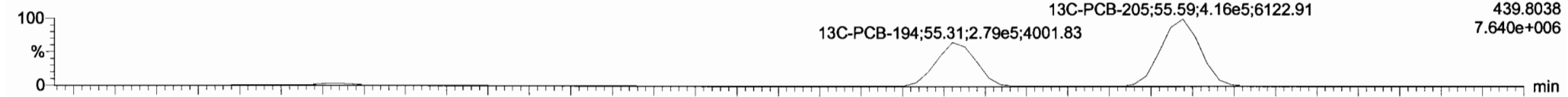


190628K2_7

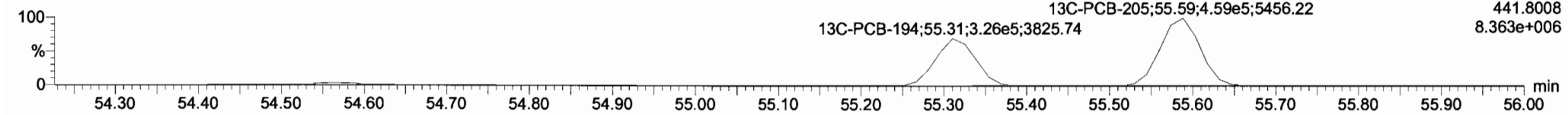


13C-PCB-194

190628K2_7

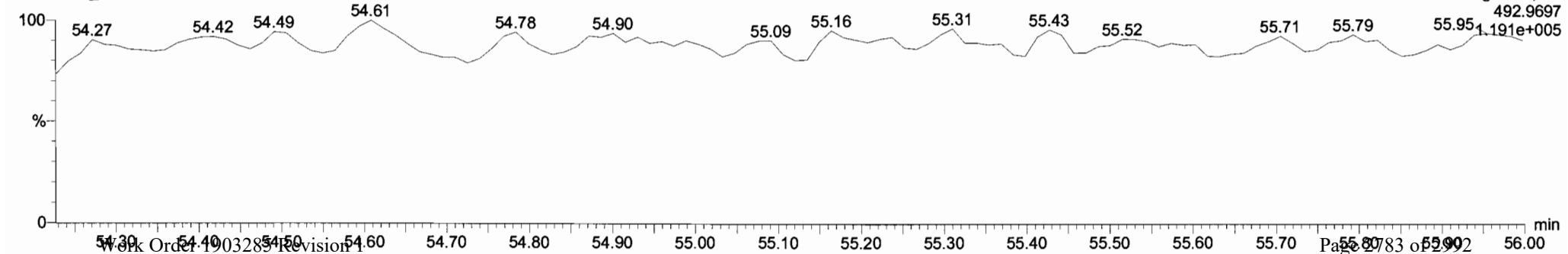


190628K2_7



PFK5

190628K2_7



Dataset: Untitled

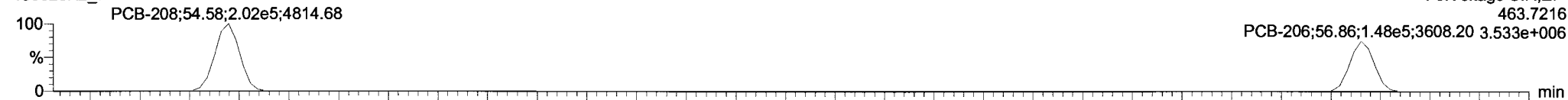
Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time

Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

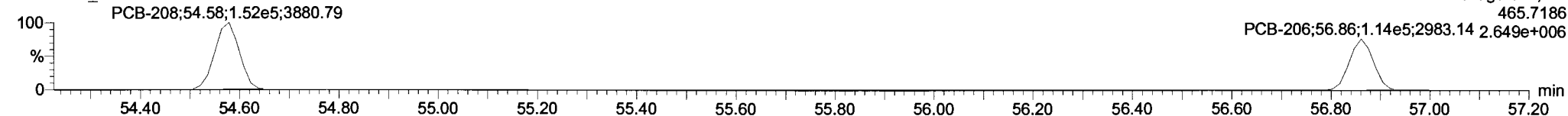
Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

PCB-208

190628K2_7

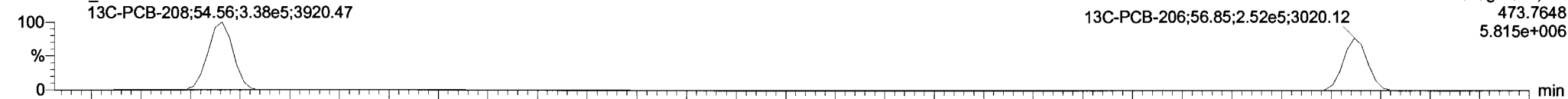


190628K2_7

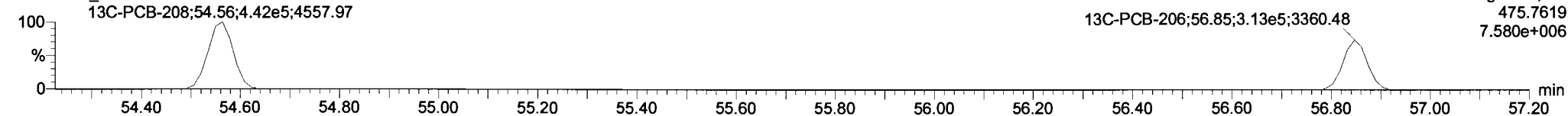


13C-PCB-208

190628K2_7

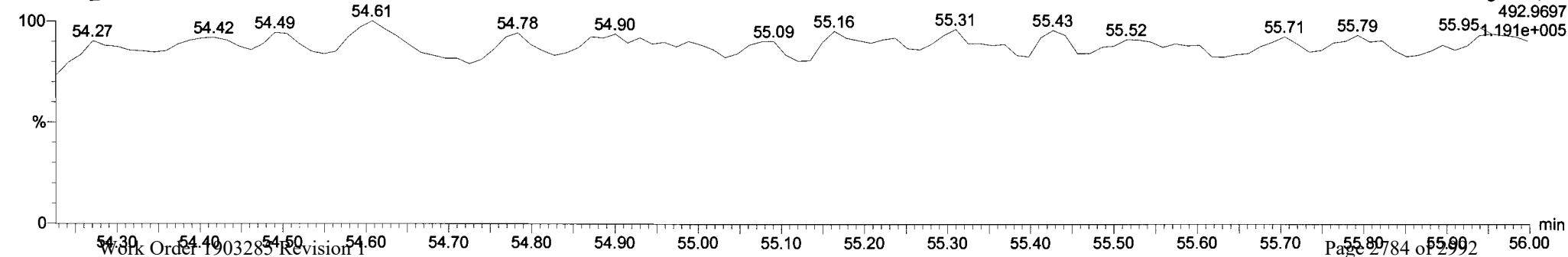


190628K2_7



PFK5

190628K2_7



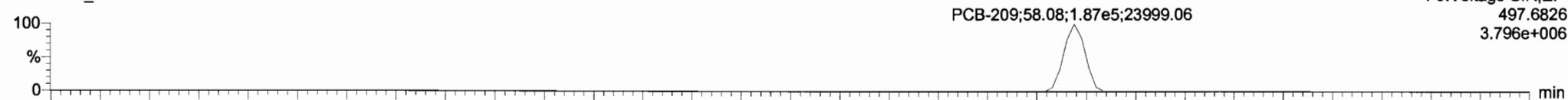
Dataset: Untitled

Last Altered: Saturday, June 29, 2019 13:14:13 Pacific Daylight Time
Printed: Saturday, June 29, 2019 13:19:29 Pacific Daylight Time

Name: 190628K2_7, Date: 28-Jun-2019, Time: 22:43:59, ID: SS190628K2-1 PCB 209 SS 19C1113, Description: PCB 209 SS 19C1113

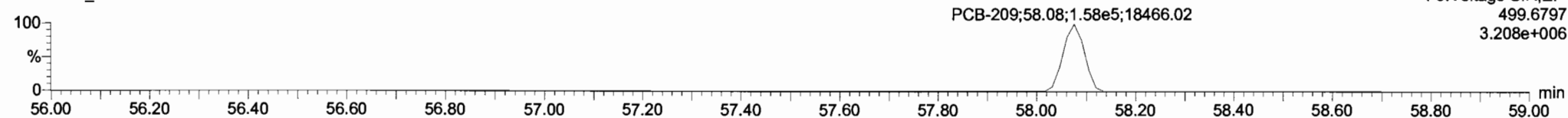
PCB-209

190628K2_7



F5:Voltage SIR,EI+
497.6826
3.796e+006

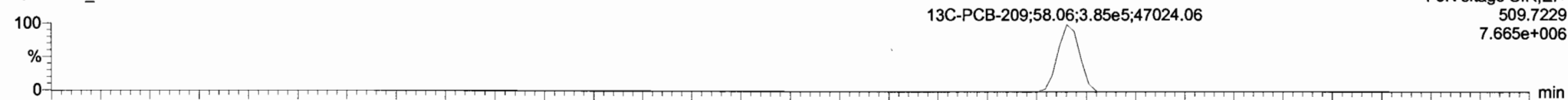
190628K2_7



F5:Voltage SIR,EI+
499.6797
3.208e+006

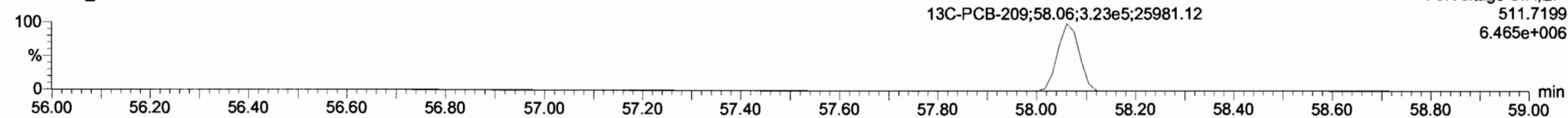
13C-PCB-209

190628K2_7



F5:Voltage SIR,EI+
509.7229
7.665e+006

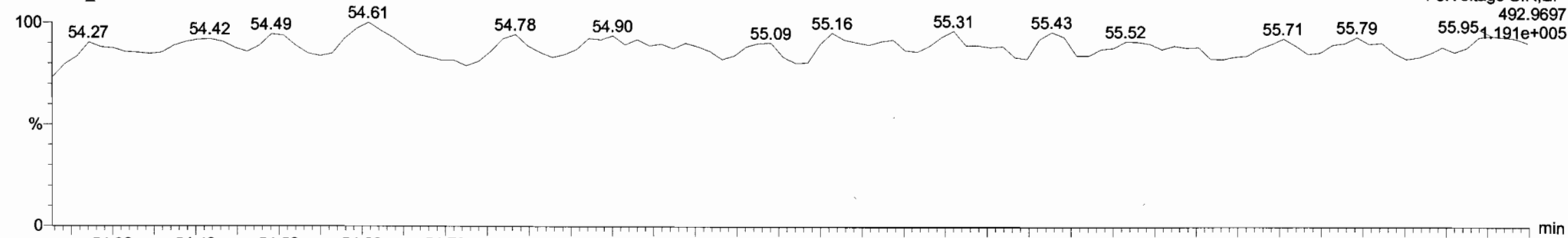
190628K2_7



F5:Voltage SIR,EI+
511.7199
6.465e+006

PFK5

190628K2_7



F5:Voltage SIR,EI+
492.9697
1.191e+005

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

GRB 10/22/19 AL 10/22/19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobenzene
Response Factor: 0.83982
RRF SD: 0.0819838, Relative SD: 9.76207
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: RF

LIMITED: HIGH POINT FOR ENDOSULFAN I,
ENDOSULFAN II & LINDANE (GAMMA BHC)
@ 250

END RES CHECK RE-PROCESSED
MANUALLY w/ MORE PFK:
-PFK DRAIN OCCURED
RESULTING IN COLUMN
BLEED & SOME MASSES
DID NOT CENTROID
NO ADJUSTMENTS MADE
TO TUNING

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.18	NO	23.13	1.001	7.01e4	1.99e6	2.10	5.0	0.881	bb
2	191021K2_2	10.0	1.17	NO	23.13	1.001	2.96e5	1.73e6	10.2	2.1	0.858	bb
3	191021K2_3	100	1.16	NO	23.13	1.001	2.41e6	1.77e6	80.9	-19.1	0.680	bb
4	191021K2_4	250	1.17	NO	23.14	1.001	8.19e6	1.89e6	259	3.4	0.869	bb
5	191021K2_5	50.0	1.17	NO	23.13	1.001	1.57e6	1.72e6	54.3	8.5	0.911	bb
6	191021K2_6	1200	1.16	NO	23.13	1.001	4.20e7	2.08e6	1200	0.0	0.840	bb

Compound name: Alpha-BHC
Response Factor: 0.751063
RRF SD: 0.0732467, Relative SD: 9.7524
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.98	NO	23.69	1.001	2.37e4	7.51e5	2.10	5.1	0.789	MM
2	191021K2_2	10.0	2.09	NO	23.69	1.001	9.38e4	6.37e5	9.79	-2.1	0.736	bb
3	191021K2_3	100	2.09	NO	23.69	1.001	7.71e5	6.32e5	81.2	-18.8	0.610	bb
4	191021K2_4	250	2.10	NO	23.69	1.001	2.64e6	6.73e5	262	4.6	0.786	bb
5	191021K2_5	50.0	2.07	NO	23.69	1.001	4.92e5	6.10e5	53.7	7.4	0.807	bb
6	191021K2_6	1200	2.10	NO	23.69	1.001	1.34e7	7.14e5	1250	3.8	0.780	bb

Compound name: Lindane (gamma-BHC)
Response Factor: 0.717285
RRF SD: 0.0865066, Relative SD: 12.0603
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	2.08	NO	27.01	1.001	1.94e4	6.31e5	2.15	7.4	0.770	MM

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Lindane (gamma-BHC)

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
2	191021K2_2	10.0	2.15	NO	27.01	1.001	7.99e4	5.33e5	10.4	4.4	0.749	bb
3	191021K2_3	100	2.11	NO	27.01	1.001	6.18e5	5.39e5	79.9	-20.1	0.573	bb
4	191021K2_4	250	2.12	NO	27.01	1.001	2.06e6	5.83e5	246	-1.6	0.706	bb
5	191021K2_5	50.0	2.11	NO	27.01	1.001	3.92e5	4.97e5	55.0	9.9	0.789	bb
6	191021K2_6	1200	2.09	NO	27.01	1.001	1.08e7	8.22e5	913	-23.9	0.546	bbX

Compound name: Beta-BHC

Response Factor: 0.870296

RRF SD: 0.0862634, Relative SD: 9.91197

Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.95	NO	29.04	1.001	1.74e4	4.90e5	2.04	1.9	0.886	MM
2	191021K2_2	10.0	2.08	NO	29.04	1.001	7.18e4	4.10e5	10.1	0.5	0.875	bb
3	191021K2_3	100	2.12	NO	29.02	1.001	5.62e5	4.01e5	80.5	-19.5	0.701	bb
4	191021K2_4	250	2.09	NO	29.04	1.001	1.90e6	4.16e5	263	5.2	0.916	bb
5	191021K2_5	50.0	2.11	NO	29.02	1.001	3.52e5	3.74e5	54.1	8.2	0.941	bb
6	191021K2_6	1200	2.08	NO	29.02	1.001	1.01e7	4.64e5	1240	3.7	0.903	bb

Compound name: Delta-BHC

Response Factor: 0.817456

RRF SD: 0.0814335, Relative SD: 9.96182

Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.95	NO	30.71	1.001	1.80e4	5.42e5	2.04	1.9	0.833	MM
2	191021K2_2	10.0	2.15	NO	30.71	1.001	7.68e4	4.70e5	9.99	-0.1	0.816	bb
3	191021K2_3	100	2.09	NO	30.69	1.001	6.06e5	4.59e5	80.7	-19.3	0.659	bb
4	191021K2_4	250	2.08	NO	30.71	1.001	2.04e6	4.70e5	265	6.2	0.868	bb
5	191021K2_5	50.0	2.12	NO	30.69	1.001	3.81e5	4.30e5	54.2	8.5	0.887	bb
6	191021K2_6	1200	2.08	NO	30.69	1.001	1.08e7	5.37e5	1230	2.9	0.841	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Heptachlor

Response Factor: 0.86831
 RRF SD: 0.0852756, Relative SD: 9.82087
 Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	0.95	NO	29.18	1.002	2.40e4	6.75e5	2.04	2.2	0.888	bb
2	191021K2_2	10.0	0.98	NO	29.17	1.001	8.01e4	4.67e5	9.87	-1.3	0.857	bb
3	191021K2_3	100	1.03	NO	29.17	1.001	5.93e5	4.22e5	81.0	-19.0	0.703	bb
4	191021K2_4	250	1.04	NO	29.18	1.001	1.87e6	4.10e5	262	4.9	0.911	bb
5	191021K2_5	50.0	1.02	NO	29.17	1.001	3.57e5	3.82e5	53.8	7.6	0.935	bb
6	191021K2_6	1200	1.05	NO	29.17	1.001	1.00e7	4.55e5	1270	5.6	0.917	bb

Compound name: Aldrin

Response Factor: 0.946313
 RRF SD: 0.0902832, Relative SD: 9.54052
 Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.73	NO	31.28	1.001	2.20e4	5.60e5	2.08	3.9	0.983	MM
2	191021K2_2	10.0	1.59	NO	31.28	1.001	8.94e4	4.68e5	10.1	1.0	0.955	bb
3	191021K2_3	100	1.57	NO	31.28	1.001	7.14e5	4.66e5	80.9	-19.1	0.766	bb
4	191021K2_4	250	1.56	NO	31.28	1.001	2.32e6	4.68e5	262	4.7	0.990	bb
5	191021K2_5	50.0	1.58	NO	31.26	1.001	4.52e5	4.48e5	53.3	6.6	1.01	bb
6	191021K2_6	1200	1.56	NO	31.26	1.001	1.22e7	5.20e5	1240	3.1	0.975	bb

Compound name: Oxychlordan

Response Factor: 0.926183
 RRF SD: 0.10675, Relative SD: 11.5257
 Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.60	NO	33.85	1.001	6.28e3	1.55e5	2.19	9.3	1.01	MM
2	191021K2_2	10.0	1.54	NO	33.83	1.000	2.33e4	1.32e5	9.54	-4.6	0.883	bb
3	191021K2_3	100	1.54	NO	33.85	1.001	1.81e5	1.24e5	78.8	-21.2	0.730	MM
4	191021K2_4	250	1.58	NO	33.85	1.001	5.86e5	1.20e5	263	5.2	0.974	MM

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: Oxychlordane

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	1.58	NO	33.83	1.001	1.15e5	1.14e5	54.3	8.6	1.01	MM
6	191021K2_6	1200	1.58	NO	33.83	1.000	3.20e6	1.40e5	1230	2.8	0.952	MM

Compound name: cis-Heptachlor Epoxide

Response Factor: 0.936593

RRF SD: 0.105408, Relative SD: 11.2544

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.61	NO	34.62	1.000	8.64e3	2.10e5	2.20	9.9	1.03	bb
2	191021K2_2	10.0	1.53	NO	34.62	1.001	3.18e4	1.72e5	9.85	-1.5	0.923	bb
3	191021K2_3	100	1.54	NO	34.62	1.000	2.38e5	1.61e5	78.8	-21.2	0.738	bb
4	191021K2_4	250	1.56	NO	34.63	1.001	7.75e5	1.59e5	261	4.2	0.976	bb
5	191021K2_5	50.0	1.66	NO	34.62	1.001	1.50e5	1.48e5	54.0	7.9	1.01	bb
6	191021K2_6	1200	1.56	NO	34.62	1.000	4.21e6	1.86e5	1210	0.6	0.942	bb

Compound name: trans-Heptachlor Epoxide

Response Factor: 0.23844

RRF SD: 0.0308453, Relative SD: 12.9363

Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.57	NO	35.12	1.015	2.29e3	2.10e5	2.28	14.2	0.272	MM
2	191021K2_2	10.0	1.60	NO	35.12	1.015	7.96e3	1.72e5	9.67	-3.3	0.231	MM
3	191021K2_3	100	1.59	NO	35.12	1.015	5.87e4	1.61e5	76.5	-23.5	0.182	bb
4	191021K2_4	250	1.59	NO	35.12	1.015	1.97e5	1.59e5	260	3.9	0.248	bb
5	191021K2_5	50.0	1.59	NO	35.12	1.015	3.79e4	1.48e5	53.7	7.4	0.256	bb
6	191021K2_6	1200	1.57	NO	35.12	1.015	1.08e6	1.86e5	1220	1.3	0.241	bb

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Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: trans-Chlordane (gamma)

Response Factor: 0.980426

RRF SD: 0.133664, Relative SD: 13.6332

Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.48	NO	35.53	1.001	7.07e3	1.52e5	2.38	18.9	1.17	MM
2	191021K2_2	10.0	1.59	NO	35.53	1.001	2.55e4	1.33e5	9.76	-2.4	0.957	bb
3	191021K2_3	100	1.56	NO	35.53	1.000	2.02e5	1.27e5	81.1	-18.9	0.795	bb
4	191021K2_4	250	1.54	NO	35.53	1.000	6.55e5	1.32e5	253	1.4	0.994	bb
5	191021K2_5	50.0	1.60	NO	35.53	1.001	1.27e5	1.17e5	55.4	10.7	1.09	bb
6	191021K2_6	1200	1.54	NO	35.53	1.000	3.57e6	1.68e5	1080	-9.7	0.886	bb

Compound name: trans-Nonachlor

Response Factor: 0.902065

RRF SD: 0.10804, Relative SD: 11.9769

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.66	NO	35.72	1.001	7.19e3	1.75e5	2.27	13.6	1.02	MM
2	191021K2_2	10.0	1.66	NO	35.72	1.001	2.66e4	1.49e5	9.87	-1.3	0.890	bb
3	191021K2_3	100	1.54	NO	35.72	1.001	2.09e5	1.45e5	80.3	-19.7	0.724	bb
4	191021K2_4	250	1.54	NO	35.71	1.000	6.79e5	1.47e5	256	2.6	0.925	bb
5	191021K2_5	50.0	1.57	NO	35.72	1.001	1.33e5	1.34e5	55.1	10.3	0.995	bb
6	191021K2_6	1200	1.55	NO	35.72	1.001	3.60e6	1.76e5	1130	-5.4	0.853	bb

Compound name: cis-Chlordane

Response Factor: 0.898807

RRF SD: 0.0997717, Relative SD: 11.1005

Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.46	NO	36.20	1.014	6.81e3	1.75e5	2.16	8.0	0.971	bd
2	191021K2_2	10.0	1.56	NO	36.20	1.014	2.70e4	1.49e5	10.1	0.6	0.904	bd
3	191021K2_3	100	1.58	NO	36.20	1.014	2.07e5	1.45e5	79.8	-20.2	0.717	bd
4	191021K2_4	250	1.54	NO	36.20	1.014	6.89e5	1.47e5	261	4.5	0.939	bd

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Compound name: cis-Chlordane

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped	
5	191021K2_5	50.0	1.57	NO	36.20	1.014	1.33e5	1.34e5	55.3	10.5	0.993	bd
6	191021K2_6	1200	1.55	NO	36.20	1.014	3.67e6	1.76e5	1160	-3.3	0.869	bd

Compound name: Endosulfan I (alpha)

Response Factor: 1.03477

RRF SD: 0.205153, Relative SD: 19.826

Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped	
1	191021K2_1	10.0	1.64	NO	36.31	1.001	2.71e4	1.03e5	12.7	27.3	1.32	MM
2	191021K2_2	15.0	1.58	NO	36.30	1.000	3.00e4	8.71e4	16.6	10.7	1.15	db
3	191021K2_3	100	1.61	NO	36.31	1.001	1.31e5	8.43e4	75.1	-24.9	0.778	db
4	191021K2_4	250	1.58	NO	36.31	1.001	4.23e5	8.94e4	229	-8.6	0.946	db
5	191021K2_5	50.0	1.60	NO	36.30	1.000	7.86e4	7.96e4	47.7	-4.6	0.987	db
6	191021K2_6	1200	1.56	NO	36.30	1.000	2.29e6	1.38e5	800	-33.3	0.690	MMX

Compound name: 2,4'-DDE

Response Factor: 0.757534

RRF SD: 0.0796173, Relative SD: 10.5101

Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped	
1	191021K2_1	2.00	1.24	NO	36.18	1.000	9.81e4	2.94e6	2.20	10.2	0.835	MM
2	191021K2_2	10.0	1.23	NO	36.18	1.000	4.00e5	2.58e6	10.2	2.5	0.776	MM
3	191021K2_3	100	1.23	NO	36.18	1.000	3.00e6	2.47e6	80.2	-19.8	0.607	bb
4	191021K2_4	250	1.22	NO	36.18	1.000	9.78e6	2.57e6	251	0.5	0.761	bb
5	191021K2_5	50.0	1.25	NO	36.18	1.000	1.94e6	2.40e6	53.5	6.9	0.810	bb
6	191021K2_6	1200	1.23	NO	36.18	1.000	5.34e7	2.94e6	1200	-0.3	0.756	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 4,4'-DDE

Response Factor: 0.77131

RRF SD: 0.0902498, Relative SD: 11.7008

Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.18	NO	37.25	1.000	7.71e4	2.23e6	2.24	11.8	0.862	MM
2	191021K2_2	10.0	1.20	NO	37.25	1.000	3.10e5	1.96e6	10.3	2.6	0.791	MM
3	191021K2_3	100	1.23	NO	37.25	1.000	2.33e6	1.93e6	78.1	-21.9	0.603	bb
4	191021K2_4	250	1.22	NO	37.25	1.000	7.51e6	1.91e6	255	2.1	0.787	bb
5	191021K2_5	50.0	1.23	NO	37.25	1.000	1.48e6	1.80e6	53.6	7.2	0.827	bb
6	191021K2_6	1200	1.24	NO	37.25	1.000	3.88e7	2.14e6	1180	-1.8	0.757	bb

Compound name: Dieldrin

Response Factor: 0.927266

RRF SD: 0.108795, Relative SD: 11.7328

Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.44	NO	37.75	1.000	9.46e3	2.29e5	2.23	11.4	1.03	MM
2	191021K2_2	10.0	1.46	NO	37.75	1.000	3.70e4	2.03e5	9.82	-1.8	0.910	bb
3	191021K2_3	100	1.50	NO	37.76	1.001	2.93e5	2.04e5	77.6	-22.4	0.720	bb
4	191021K2_4	250	1.49	NO	37.76	1.001	9.68e5	2.02e5	259	3.5	0.960	bb
5	191021K2_5	50.0	1.48	NO	37.75	1.000	1.87e5	1.91e5	52.6	5.2	0.975	bb
6	191021K2_6	1200	1.48	NO	37.75	1.000	5.21e6	2.25e5	1250	4.1	0.965	bb

Compound name: Endrin

Response Factor: 0.901845

RRF SD: 0.0967254, Relative SD: 10.7253

Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.54	NO	39.16	1.000	8.05e3	2.07e5	2.15	7.6	0.971	MM
2	191021K2_2	10.0	1.64	NO	39.16	1.000	2.94e4	1.66e5	9.83	-1.7	0.887	MM
3	191021K2_3	100	1.46	NO	39.16	1.000	2.12e5	1.49e5	79.1	-20.9	0.714	bb
4	191021K2_4	250	1.47	NO	39.16	1.000	6.69e5	1.42e5	261	4.4	0.942	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: Endrin

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5 191021K2_5	50.0	1.47	NO	39.16	1.001	1.23e5	1.28e5	53.3	6.5	0.961	bb
6 191021K2_6	1200	1.48	NO	39.16	1.001	3.46e6	1.54e5	1250	4.0	0.938	bb

Compound name: cis-Nonachlor

Response Factor: 0.913364
 RRF SD: 0.103114, Relative SD: 11.2895
 Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 191021K2_1	2.00	1.24	NO	39.44	1.000	5.74e3	1.38e5	2.27	13.7	1.04	MM
2 191021K2_2	10.0	1.56	NO	39.44	1.000	2.29e4	1.26e5	9.97	-0.3	0.911	bb
3 191021K2_3	100	1.51	NO	39.44	1.000	1.78e5	1.21e5	80.4	-19.6	0.734	bb
4 191021K2_4	250	1.50	NO	39.44	1.000	5.84e5	1.25e5	256	2.5	0.936	bb
5 191021K2_5	50.0	1.49	NO	39.44	1.000	1.12e5	1.15e5	53.5	7.0	0.977	bb
6 191021K2_6	1200	1.49	NO	39.44	1.000	2.96e6	1.39e5	1160	-3.2	0.884	MM

Compound name: Endosulfan II (beta)

Response Factor: 1.02803
 RRF SD: 0.205517, Relative SD: 19.9914
 Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
 Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 191021K2_1	10.0	1.25	NO	40.17	1.000	1.09e4	4.14e4	12.8	28.2	1.32	MM
2 191021K2_2	15.0	1.43	NO	40.17	1.000	1.24e4	3.77e4	16.0	6.5	1.09	MM
3 191021K2_3	100	1.53	NO	40.17	1.000	5.66e4	3.63e4	75.8	-24.2	0.780	MM
4 191021K2_4	250	1.49	NO	40.17	1.000	1.80e5	4.02e4	217	-13.1	0.893	MM
5 191021K2_5	50.0	1.50	NO	40.17	1.000	3.37e4	3.19e4	51.3	2.7	1.06	bb
6 191021K2_6	1200	1.49	NO	40.17	1.000	9.39e5	7.12e4	642	-46.5	0.550	bbX

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Compound name: 2,4'-DDD

Response Factor: 0.890107

RRF SD: 0.0910852, Relative SD: 10.2331

Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.42	NO	38.39	1.000	7.98e4	2.09e6	2.15	7.4	0.956	bb
2	191021K2_2	10.0	1.51	NO	38.39	1.000	3.03e5	1.68e6	10.1	1.4	0.902	MM
3	191021K2_3	100	1.58	NO	38.39	1.000	2.29e6	1.59e6	80.6	-19.4	0.717	bb
4	191021K2_4	250	1.56	NO	38.39	1.000	7.35e6	1.60e6	259	3.5	0.922	bb
5	191021K2_5	50.0	1.58	NO	38.39	1.000	1.41e6	1.45e6	54.3	8.6	0.967	bb
6	191021K2_6	1200	1.58	NO	38.39	1.000	3.99e7	1.90e6	1180	-1.6	0.876	bb

Compound name: 2,4'-DDT

Response Factor: 0.864545

RRF SD: 0.0799456, Relative SD: 9.24713

Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.61	NO	39.51	1.000	4.99e4	1.41e6	2.05	2.6	0.887	MM
2	191021K2_2	10.0	1.65	NO	39.51	1.000	2.03e5	1.17e6	9.98	-0.2	0.863	bd
3	191021K2_3	100	1.57	NO	39.51	1.000	1.54e6	1.09e6	82.1	-17.9	0.710	bd
4	191021K2_4	250	1.55	NO	39.51	1.000	4.87e6	1.08e6	260	4.1	0.900	bd
5	191021K2_5	50.0	1.56	NO	39.51	1.000	9.32e5	9.91e5	54.4	8.8	0.940	bd
6	191021K2_6	1200	1.56	NO	39.51	1.000	2.66e7	1.25e6	1230	2.6	0.887	bd

Compound name: 4,4'-DDD

Response Factor: 0.971047

RRF SD: 0.0940639, Relative SD: 9.68686

Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.62	NO	39.65	1.000	7.19e4	1.78e6	2.09	4.3	1.01	bb
2	191021K2_2	10.0	1.53	NO	39.63	1.000	2.91e5	1.44e6	10.4	3.6	1.01	db
3	191021K2_3	100	1.55	NO	39.65	1.000	2.11e6	1.33e6	81.4	-18.6	0.790	db
4	191021K2_4	250	1.55	NO	39.65	1.000	6.85e6	1.36e6	259	3.7	1.01	db

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Compound name: 4,4'-DDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	1.58	NO	39.63	1.000	1.26e6	1.20e6	54.3	8.6	1.05	db
6	191021K2_6	1200	1.54	NO	39.63	1.000	3.60e7	1.57e6	1180	-1.5	0.956	db

Compound name: 4,4'-DDT

Response Factor: 0.973828

RRF SD: 0.107429, Relative SD: 11.0316

Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.41	NO	40.72	1.001	4.92e4	1.13e6	2.24	12.2	1.09	bb
2	191021K2_2	10.0	1.50	NO	40.70	1.000	1.89e5	9.81e5	9.91	-0.9	0.965	MM
3	191021K2_3	100	1.56	NO	40.72	1.001	1.36e6	8.71e5	80.0	-20.0	0.779	bb
4	191021K2_4	250	1.56	NO	40.72	1.000	4.24e6	8.57e5	254	1.5	0.989	bb
5	191021K2_5	50.0	1.54	NO	40.70	1.000	8.10e5	7.75e5	53.7	7.4	1.05	bb
6	191021K2_6	1200	1.54	NO	40.70	1.000	2.27e7	9.72e5	1200	-0.2	0.972	bb

Compound name: Endosulfan Sulfate

Response Factor: 0.895785

RRF SD: 0.129462, Relative SD: 14.4524

Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	10.0	1.49	NO	41.89	1.000	1.46e4	6.77e4	12.1	20.5	1.08	bb
2	191021K2_2	15.0	1.37	NO	41.89	1.000	1.84e4	6.36e4	16.2	8.0	0.967	MM
3	191021K2_3	100	1.51	NO	41.89	1.000	8.27e4	6.02e4	76.7	-23.3	0.687	bb
4	191021K2_4	250	1.50	NO	41.89	1.000	2.68e5	6.13e4	244	-2.3	0.875	bb
5	191021K2_5	50.0	1.52	NO	41.89	1.000	4.92e4	5.45e4	50.4	0.8	0.903	bb
6	191021K2_6	1200	1.51	NO	41.89	1.000	1.43e6	6.93e4	1160	-3.7	0.863	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 4,4'-Methoxychlor

Response Factor: 1.10185
 RRF SD: 0.111392, Relative SD: 10.1095
 Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	10.0	6.06	NO	43.76	1.000	2.71e5	1.14e7	10.7	7.3	1.18	bb
2	191021K2_2	15.0	6.09	NO	43.76	1.000	3.52e5	1.05e7	15.3	1.7	1.12	MM
3	191021K2_3	100	5.85	NO	43.76	1.000	1.68e6	9.50e6	80.3	-19.7	0.885	bb
4	191021K2_4	250	5.90	NO	43.76	1.000	4.82e6	8.45e6	259	3.5	1.14	bb
5	191021K2_5	50.0	6.01	NO	43.76	1.000	9.09e5	7.69e6	53.7	7.4	1.18	bb
6	191021K2_6	1200	5.85	NO	43.76	1.000	2.46e7	9.31e6	1200	-0.1	1.10	bb

Compound name: Mirex

Response Factor: 0.86977
 RRF SD: 0.0853687, Relative SD: 9.81508
 Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	2.00	1.33	NO	44.35	1.000	1.76e4	4.78e5	2.12	5.9	0.921	MM
2	191021K2_2	10.0	1.38	NO	44.35	1.000	9.00e4	5.17e5	10.0	0.1	0.871	bb
3	191021K2_3	100	1.41	NO	44.35	1.000	7.12e5	5.05e5	81.1	-18.9	0.705	bb
4	191021K2_4	250	1.40	NO	44.36	1.001	2.08e6	4.63e5	258	3.0	0.896	bb
5	191021K2_5	50.0	1.41	NO	44.35	1.000	4.19e5	4.43e5	54.4	8.9	0.947	bb
6	191021K2_6	1200	1.41	NO	44.35	1.000	9.84e6	4.66e5	1210	1.0	0.879	bb

Compound name: Endrin Aldehyde

Response Factor: 0.962453
 RRF SD: 0.0990865, Relative SD: 10.2952
 Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	10.0	0.59	NO	41.29	1.000	1.89e4	8.77e5	11.2	12.2	1.08	MM
2	191021K2_2	15.0	0.60	NO	41.29	1.000	2.42e4	8.09e5	15.6	3.7	0.998	MM
3	191021K2_3	100	0.60	NO	41.29	1.000	1.16e5	7.47e5	81.0	-19.0	0.780	MM
4	191021K2_4	250	0.60	NO	41.29	1.000	3.74e5	7.59e5	256	2.4	0.985	MM

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: Endrin Aldehyde

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	0.62	NO	41.29	1.000	6.93e4	7.11e5	50.7	1.4	0.976	MM
6	191021K2_6	1200	0.61	NO	41.29	1.000	2.15e6	9.38e5	1190	-0.7	0.956	MM

Compound name: Endrin Ketone

Response Factor: 0.867325

RRF SD: 0.109617, Relative SD: 12.6386

Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	10.0	0.61	NO	44.49	1.000	1.42e4	7.10e5	11.5	15.0	0.997	bb
2	191021K2_2	15.0	0.60	NO	44.49	1.000	1.87e4	6.67e5	16.2	8.0	0.936	db
3	191021K2_3	100	0.60	NO	44.49	1.000	8.40e4	6.25e5	77.4	-22.6	0.671	bb
4	191021K2_4	250	0.62	NO	44.49	1.000	2.54e5	5.91e5	248	-0.9	0.859	db
5	191021K2_5	50.0	0.59	NO	44.49	1.001	4.64e4	5.34e5	50.1	0.1	0.869	db
6	191021K2_6	1200	0.61	NO	44.49	1.001	1.35e6	6.46e5	1210	0.4	0.871	bb

Compound name: 13C6-Hexachlorobenzene

Response Factor: 0.710403

RRF SD: 0.0197452, Relative SD: 2.77944

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.26	NO	23.11	0.873	1.99e6	2.89e6	48.4	-3.3	0.687	bb
2	191021K2_2	50.0	1.27	NO	23.11	0.873	1.73e6	2.50e6	48.6	-2.8	0.690	bb
3	191021K2_3	50.0	1.27	NO	23.11	0.873	1.77e6	2.44e6	51.0	2.0	0.725	bb
4	191021K2_4	50.0	1.26	NO	23.13	0.873	1.89e6	2.62e6	50.6	1.2	0.719	bb
5	191021K2_5	50.0	1.27	NO	23.11	0.873	1.72e6	2.44e6	49.6	-0.8	0.705	bb
6	191021K2_6	50.0	1.27	NO	23.11	0.873	2.08e6	2.83e6	51.8	3.7	0.737	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 13C6-Alpha-BHC

Response Factor: 0.255309

RRF SD: 0.00361434, Relative SD: 1.41568

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	0.80	NO	23.66	0.893	7.51e5	2.89e6	50.8	1.6	0.259	MM
2	191021K2_2	50.0	0.79	NO	23.66	0.893	6.37e5	2.50e6	49.9	-0.3	0.255	bb
3	191021K2_3	50.0	0.78	NO	23.66	0.893	6.32e5	2.44e6	50.7	1.4	0.259	bb
4	191021K2_4	50.0	0.77	NO	23.67	0.893	6.73e5	2.62e6	50.2	0.4	0.256	bb
5	191021K2_5	50.0	0.77	NO	23.66	0.893	6.10e5	2.44e6	49.0	-2.1	0.250	bb
6	191021K2_6	50.0	0.77	NO	23.66	0.893	7.14e5	2.83e6	49.5	-1.1	0.253	bb

Compound name: 13C6-Lindane (gamma)

Response Factor: 0.215518

RRF SD: 0.00747251, Relative SD: 3.46723

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	0.81	NO	26.98	1.019	6.31e5	2.89e6	50.6	1.1	0.218	bb
2	191021K2_2	50.0	0.82	NO	26.98	1.019	5.33e5	2.50e6	49.4	-1.1	0.213	bb
3	191021K2_3	50.0	0.86	NO	26.98	1.019	5.39e5	2.44e6	51.2	2.4	0.221	bb
4	191021K2_4	50.0	0.96	NO	27.00	1.019	5.83e5	2.62e6	51.6	3.2	0.222	bb
5	191021K2_5	50.0	0.83	NO	26.98	1.019	4.97e5	2.44e6	47.3	-5.5	0.204	bb
6	191021K2_6	50.0	1.27	YES	26.98	1.019	8.22e5	2.83e6	67.5	34.9	0.291	MMX

Compound name: 13C6-Beta-BHC

Response Factor: 0.162237

RRF SD: 0.00557278, Relative SD: 3.43497

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	0.76	NO	29.01	1.095	4.90e5	2.89e6	52.2	4.4	0.169	bb
2	191021K2_2	50.0	0.78	NO	29.01	1.095	4.10e5	2.50e6	50.5	1.1	0.164	bb
3	191021K2_3	50.0	0.78	NO	29.01	1.095	4.01e5	2.44e6	50.6	1.2	0.164	bb
4	191021K2_4	50.0	0.78	NO	29.01	1.095	4.16e5	2.62e6	48.8	-2.4	0.158	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 13C6-Beta-BHC

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	0.78	NO	29.01	1.095	3.74e5	2.44e6	47.3	-5.5	0.153	bb
6	191021K2_6	50.0	0.79	NO	29.01	1.095	4.64e5	2.83e6	50.6	1.2	0.164	bd

Compound name: 13C6-Delta-BHC

Response Factor: 0.184641

RRF SD: 0.00565783, Relative SD: 3.06423

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	0.79	NO	30.68	1.158	5.42e5	2.89e6	50.7	1.3	0.187	MM
2	191021K2_2	50.0	0.79	NO	30.68	1.158	4.70e5	2.50e6	50.8	1.7	0.188	bd
3	191021K2_3	50.0	0.77	NO	30.68	1.158	4.59e5	2.44e6	50.9	1.8	0.188	bd
4	191021K2_4	50.0	0.78	NO	30.68	1.158	4.70e5	2.62e6	48.5	-3.0	0.179	bd
5	191021K2_5	50.0	0.80	NO	30.68	1.158	4.30e5	2.44e6	47.7	-4.7	0.176	bd
6	191021K2_6	50.0	0.78	NO	30.68	1.158	5.37e5	2.83e6	51.4	2.9	0.190	bd

Compound name: 13C10-Heptachlor

Response Factor: 0.177727

RRF SD: 0.0295029, Relative SD: 16.6002

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.26	NO	29.14	1.100	6.75e5	2.89e6	65.6	31.2	0.233	bb
2	191021K2_2	50.0	1.26	NO	29.14	1.100	4.67e5	2.50e6	52.5	5.0	0.187	bb
3	191021K2_3	50.0	1.31	NO	29.14	1.100	4.22e5	2.44e6	48.5	-2.9	0.173	bb
4	191021K2_4	50.0	1.23	NO	29.15	1.100	4.10e5	2.62e6	44.0	-12.0	0.156	bb
5	191021K2_5	50.0	1.31	NO	29.14	1.100	3.82e5	2.44e6	44.1	-11.9	0.157	bb
6	191021K2_6	50.0	1.28	NO	29.14	1.100	4.55e5	2.83e6	45.3	-9.4	0.161	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 13C12-Aldrin

Response Factor: 0.186227

RRF SD: 0.00541023, Relative SD: 2.90518

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	31.24	1.179	5.60e5	2.89e6	51.9	3.9	0.193	bb
2	191021K2_2	50.0	1.62	NO	31.24	1.179	4.68e5	2.50e6	50.2	0.4	0.187	bb
3	191021K2_3	50.0	1.63	NO	31.24	1.179	4.66e5	2.44e6	51.2	2.5	0.191	bb
4	191021K2_4	50.0	1.61	NO	31.24	1.179	4.68e5	2.62e6	47.9	-4.2	0.178	bb
5	191021K2_5	50.0	1.68	NO	31.24	1.179	4.48e5	2.44e6	49.3	-1.4	0.184	bb
6	191021K2_6	50.0	1.62	NO	31.24	1.179	5.20e5	2.83e6	49.4	-1.1	0.184	bb

Compound name: 13C10-Oxychlorane

Response Factor: 0.0498531

RRF SD: 0.00308731, Relative SD: 6.19281

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.61	NO	33.82	1.277	1.55e5	2.89e6	53.7	7.5	0.0536	MM
2	191021K2_2	50.0	1.64	NO	33.82	1.277	1.32e5	2.50e6	52.7	5.5	0.0526	MM
3	191021K2_3	50.0	1.64	NO	33.82	1.277	1.24e5	2.44e6	50.9	1.7	0.0507	MM
4	191021K2_4	50.0	1.57	NO	33.82	1.276	1.20e5	2.62e6	46.0	-8.0	0.0459	MM
5	191021K2_5	50.0	1.55	NO	33.80	1.276	1.14e5	2.44e6	46.9	-6.2	0.0468	MM
6	191021K2_6	50.0	1.61	NO	33.82	1.277	1.40e5	2.83e6	49.7	-0.5	0.0496	db

Compound name: 13C10-cis-Heptachlor Epoxide

Response Factor: 0.0657296

RRF SD: 0.00466759, Relative SD: 7.1012

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	34.61	1.307	2.10e5	2.89e6	55.1	10.3	0.0725	bb
2	191021K2_2	50.0	1.62	NO	34.59	1.306	1.72e5	2.50e6	52.4	4.8	0.0689	bb
3	191021K2_3	50.0	1.60	NO	34.60	1.307	1.61e5	2.44e6	50.1	0.2	0.0659	bb
4	191021K2_4	50.0	1.61	NO	34.60	1.306	1.59e5	2.62e6	46.1	-7.9	0.0605	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 13C10-cis-Heptachlor Epoxide

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	1.60	NO	34.59	1.306	1.48e5	2.44e6	46.1	-7.8	0.0606	bb
6	191021K2_6	50.0	1.59	NO	34.61	1.307	1.86e5	2.83e6	50.2	0.3	0.0659	bb

Compound name: 13C10-trans-Chlordane (gamma)

Response Factor: 0.052541
 RRF SD: 0.00387829, Relative SD: 7.38146
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.64	NO	35.50	1.340	1.52e5	2.89e6	49.9	-0.2	0.0524	bb
2	191021K2_2	50.0	1.65	NO	35.50	1.340	1.33e5	2.50e6	50.6	1.3	0.0532	bb
3	191021K2_3	50.0	1.59	NO	35.51	1.341	1.27e5	2.44e6	49.4	-1.2	0.0519	bb
4	191021K2_4	50.0	1.71	NO	35.51	1.340	1.32e5	2.62e6	47.8	-4.4	0.0502	bb
5	191021K2_5	50.0	1.66	NO	35.50	1.340	1.17e5	2.44e6	45.7	-8.6	0.0480	bb
6	191021K2_6	50.0	1.95	NO	35.51	1.341	1.68e5	2.83e6	56.6	13.2	0.0595	MM

Compound name: 13C10-trans-Nonachlor

Response Factor: 0.0586969
 RRF SD: 0.00286617, Relative SD: 4.883
 Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	35.69	1.347	1.75e5	2.89e6	51.6	3.2	0.0606	bb
2	191021K2_2	50.0	1.61	NO	35.69	1.347	1.49e5	2.50e6	50.8	1.5	0.0596	bb
3	191021K2_3	50.0	1.65	NO	35.69	1.347	1.45e5	2.44e6	50.4	0.8	0.0592	bb
4	191021K2_4	50.0	1.63	NO	35.70	1.347	1.47e5	2.62e6	47.6	-4.8	0.0559	bb
5	191021K2_5	50.0	1.59	NO	35.69	1.347	1.34e5	2.44e6	46.6	-6.8	0.0547	bb
6	191021K2_6	50.0	1.83	NO	35.69	1.347	1.76e5	2.83e6	53.0	6.1	0.0623	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

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Compound name: 13C9-Endosulfan I (alpha)

Response Factor: 0.0343013

RRF SD: 0.00109214, Relative SD: 3.18396

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.64	NO	36.28	1.370	1.03e5	2.89e6	51.8	3.6	0.0355	bb
2	191021K2_2	50.0	1.63	NO	36.28	1.370	8.71e4	2.50e6	50.7	1.5	0.0348	bb
3	191021K2_3	50.0	1.62	NO	36.28	1.370	8.43e4	2.44e6	50.3	0.6	0.0345	db
4	191021K2_4	50.0	1.66	NO	36.28	1.369	8.94e4	2.62e6	49.7	-0.7	0.0341	db
5	191021K2_5	50.0	1.65	NO	36.28	1.370	7.96e4	2.44e6	47.5	-5.0	0.0326	db
6	191021K2_6	50.0	1.91	NO	36.28	1.370	1.38e5	2.83e6	71.4	42.7	0.0490	dbX

Compound name: 13C12-2,4'-DDE

Response Factor: 1.0102

RRF SD: 0.0247275, Relative SD: 2.44779

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.57	NO	36.17	0.996	2.94e6	2.89e6	50.3	0.5	1.02	bb
2	191021K2_2	50.0	1.57	NO	36.17	0.996	2.58e6	2.50e6	51.0	2.0	1.03	bb
3	191021K2_3	50.0	1.55	NO	36.17	0.996	2.47e6	2.44e6	50.1	0.1	1.01	bb
4	191021K2_4	50.0	1.57	NO	36.17	0.996	2.57e6	2.62e6	48.5	-3.0	0.980	bb
5	191021K2_5	50.0	1.55	NO	36.17	0.996	2.40e6	2.44e6	48.7	-2.7	0.983	bb
6	191021K2_6	50.0	1.54	NO	36.17	0.996	2.94e6	2.83e6	51.5	3.1	1.04	bb

Compound name: 13C12-4,4'-DDE

Response Factor: 0.760409

RRF SD: 0.0255929, Relative SD: 3.36567

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.56	NO	37.23	1.025	2.23e6	2.89e6	50.7	1.5	0.772	bb
2	191021K2_2	50.0	1.57	NO	37.23	1.025	1.96e6	2.50e6	51.4	2.8	0.782	bb
3	191021K2_3	50.0	1.56	NO	37.23	1.025	1.93e6	2.44e6	52.0	4.0	0.791	bb
4	191021K2_4	50.0	1.57	NO	37.23	1.025	1.91e6	2.62e6	47.8	-4.4	0.727	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-4,4'-DDE

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	1.56	NO	37.23	1.025	1.80e6	2.44e6	48.3	-3.3	0.735	bb
6	191021K2_6	50.0	1.57	NO	37.23	1.025	2.14e6	2.83e6	49.7	-0.6	0.756	bd

Compound name: 13C12-Dieldrin

Response Factor: 0.0797229

RRF SD: 0.00224317, Relative SD: 2.81372

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.60	NO	37.73	1.039	2.29e5	2.89e6	49.6	-0.8	0.0791	bb
2	191021K2_2	50.0	1.62	NO	37.73	1.039	2.03e5	2.50e6	50.9	1.8	0.0812	bb
3	191021K2_3	50.0	1.54	NO	37.73	1.039	2.04e5	2.44e6	52.2	4.5	0.0833	bb
4	191021K2_4	50.0	1.59	NO	37.73	1.039	2.02e5	2.62e6	48.2	-3.5	0.0769	bb
5	191021K2_5	50.0	1.56	NO	37.73	1.039	1.91e5	2.44e6	49.2	-1.7	0.0784	bb
6	191021K2_6	50.0	1.57	NO	37.73	1.039	2.25e5	2.83e6	49.9	-0.3	0.0795	bb

Compound name: 13C12-Endrin

Response Factor: 0.059909

RRF SD: 0.00777226, Relative SD: 12.9735

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	39.14	1.078	2.07e5	2.89e6	59.8	19.6	0.0716	bb
2	191021K2_2	50.0	1.58	NO	39.14	1.078	1.66e5	2.50e6	55.3	10.7	0.0663	bb
3	191021K2_3	50.0	1.60	NO	39.14	1.078	1.49e5	2.44e6	50.7	1.5	0.0608	bb
4	191021K2_4	50.0	1.62	NO	39.14	1.078	1.42e5	2.62e6	45.2	-9.6	0.0542	bb
5	191021K2_5	50.0	1.57	NO	39.13	1.078	1.28e5	2.44e6	43.6	-12.8	0.0522	bb
6	191021K2_6	50.0	1.68	NO	39.13	1.078	1.54e5	2.83e6	45.4	-9.3	0.0544	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C10-cis-Nonachlor

Response Factor: 0.0485906

RRF SD: 0.00125985, Relative SD: 2.59278

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.62	NO	39.42	1.086	1.38e5	2.89e6	49.2	-1.6	0.0478	db
2	191021K2_2	50.0	1.56	NO	39.42	1.086	1.26e5	2.50e6	51.6	3.2	0.0501	db
3	191021K2_3	50.0	1.57	NO	39.42	1.086	1.21e5	2.44e6	51.1	2.2	0.0496	db
4	191021K2_4	50.0	1.59	NO	39.42	1.086	1.25e5	2.62e6	48.9	-2.1	0.0476	bb
5	191021K2_5	50.0	1.59	NO	39.42	1.086	1.15e5	2.44e6	48.5	-3.1	0.0471	db
6	191021K2_6	50.0	1.78	NO	39.42	1.086	1.39e5	2.83e6	50.7	1.5	0.0493	db

Compound name: 13C9-Endosulfan II

Response Factor: 0.0145283

RRF SD: 0.000902284, Relative SD: 6.21051

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.59	NO	40.15	1.106	4.14e4	2.89e6	49.3	-1.4	0.0143	MM
2	191021K2_2	50.0	1.56	NO	40.15	1.106	3.77e4	2.50e6	51.9	3.7	0.0151	MM
3	191021K2_3	50.0	1.50	NO	40.15	1.106	3.63e4	2.44e6	51.1	2.2	0.0149	bb
4	191021K2_4	50.0	1.60	NO	40.15	1.106	4.02e4	2.62e6	52.8	5.6	0.0153	bb
5	191021K2_5	50.0	1.51	NO	40.15	1.106	3.19e4	2.44e6	44.9	-10.1	0.0131	MM
6	191021K2_6	50.0	1.95	NO	40.15	1.106	7.12e4	2.83e6	86.7	73.3	0.0252	bbX

Compound name: 13C12-2,4'-DDD

Response Factor: 0.653352

RRF SD: 0.0460989, Relative SD: 7.05575

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.57	NO	38.37	1.449	2.09e6	2.89e6	55.2	10.3	0.721	bb
2	191021K2_2	50.0	1.57	NO	38.37	1.449	1.68e6	2.50e6	51.4	2.8	0.671	bb
3	191021K2_3	50.0	1.56	NO	38.37	1.449	1.59e6	2.44e6	49.9	-0.2	0.652	bb
4	191021K2_4	50.0	1.56	NO	38.37	1.448	1.60e6	2.62e6	46.5	-6.9	0.608	bb

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-2,4'-DDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	50.0	1.58	NO	38.37	1.449	1.45e6	2.44e6	45.6	-8.9	0.595	bb
6	191021K2_6	50.0	1.43	NO	38.37	1.449	1.90e6	2.83e6	51.4	2.9	0.672	bb

Compound name: 13C12-2,4'-DDT

Response Factor: 0.443343

RRF SD: 0.0310718, Relative SD: 7.00853

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.80	NO	39.50	1.491	1.41e6	2.89e6	54.8	9.7	0.486	bd
2	191021K2_2	50.0	1.78	NO	39.50	1.491	1.17e6	2.50e6	52.9	5.8	0.469	bd
3	191021K2_3	50.0	1.77	NO	39.50	1.491	1.09e6	2.44e6	50.1	0.3	0.445	bd
4	191021K2_4	50.0	1.79	NO	39.50	1.491	1.08e6	2.62e6	46.6	-6.9	0.413	bd
5	191021K2_5	50.0	1.82	NO	39.50	1.491	9.91e5	2.44e6	45.8	-8.4	0.406	bd
6	191021K2_6	50.0	1.77	NO	39.50	1.491	1.25e6	2.83e6	49.8	-0.4	0.442	bd

Compound name: 13C12-4,4'-DDD

Response Factor: 0.550171

RRF SD: 0.0431679, Relative SD: 7.84627

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	39.63	1.496	1.78e6	2.89e6	55.8	11.5	0.614	db
2	191021K2_2	50.0	1.61	NO	39.62	1.496	1.44e6	2.50e6	52.4	4.8	0.577	db
3	191021K2_3	50.0	1.57	NO	39.63	1.496	1.33e6	2.44e6	49.6	-0.7	0.546	db
4	191021K2_4	50.0	1.57	NO	39.63	1.496	1.36e6	2.62e6	47.2	-5.7	0.519	db
5	191021K2_5	50.0	1.62	NO	39.62	1.496	1.20e6	2.44e6	44.6	-10.8	0.490	db
6	191021K2_6	50.0	1.57	NO	39.62	1.496	1.57e6	2.83e6	50.4	0.9	0.555	db

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-4,4'-DDT

Response Factor: 0.354154

RRF SD: 0.0312035, Relative SD: 8.8107

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	40.69	1.536	1.13e6	2.89e6	54.9	9.9	0.389	bb
2	191021K2_2	50.0	1.61	NO	40.69	1.536	9.81e5	2.50e6	55.3	10.6	0.392	bb
3	191021K2_3	50.0	1.57	NO	40.69	1.536	8.71e5	2.44e6	50.3	0.6	0.356	bb
4	191021K2_4	50.0	1.59	NO	40.70	1.536	8.57e5	2.62e6	46.1	-7.8	0.327	bb
5	191021K2_5	50.0	1.58	NO	40.69	1.536	7.75e5	2.44e6	44.8	-10.4	0.317	bb
6	191021K2_6	50.0	1.59	NO	40.69	1.536	9.72e5	2.83e6	48.5	-2.9	0.344	bb

Compound name: 13C9-Endosulfan Sulfate

Response Factor: 0.0239323

RRF SD: 0.0011051, Relative SD: 4.6176

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.53	NO	41.88	1.153	6.77e4	2.89e6	48.8	-2.3	0.0234	db
2	191021K2_2	50.0	1.45	NO	41.88	1.153	6.36e4	2.50e6	53.1	6.1	0.0254	bb
3	191021K2_3	50.0	1.50	NO	41.88	1.153	6.02e4	2.44e6	51.4	2.9	0.0246	bb
4	191021K2_4	50.0	1.59	NO	41.88	1.153	6.13e4	2.62e6	48.8	-2.4	0.0234	bb
5	191021K2_5	50.0	1.59	NO	41.88	1.153	5.45e4	2.44e6	46.7	-6.7	0.0223	bb
6	191021K2_6	50.0	1.48	NO	41.88	1.153	6.93e4	2.83e6	51.2	2.4	0.0245	bb

Compound name: 13C12-Methoxychlor

Response Factor: 0.361506

RRF SD: 0.0444553, Relative SD: 12.2973

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	500	24.06	NO	43.75	1.205	1.14e7	2.89e6	547	9.4	0.396	MM
2	191021K2_2	500	22.96	NO	43.75	1.205	1.05e7	2.50e6	579	15.7	0.418	MM
3	191021K2_3	500	22.93	NO	43.75	1.205	9.50e6	2.44e6	538	7.5	0.389	MM
4	191021K2_4	500	21.92	NO	43.75	1.205	8.45e6	2.62e6	446	-10.9	0.322	MM

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time
 Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-Methoxychlor

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
5	191021K2_5	500	21.78	NO	43.75	1.205	7.69e6	2.44e6	435	-12.9	0.315	MM
6	191021K2_6	500	21.88	NO	43.75	1.205	9.31e6	2.83e6	456	-8.9	0.329	MM

Compound name: 13C10-Mirex

Response Factor: 0.18354

RRF SD: 0.0189335, Relative SD: 10.3157

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.58	NO	44.33	1.221	4.78e5	2.89e6	45.0	-10.0	0.165	bb
2	191021K2_2	50.0	1.56	NO	44.33	1.221	5.17e5	2.50e6	56.2	12.5	0.206	bb
3	191021K2_3	50.0	1.58	NO	44.33	1.221	5.05e5	2.44e6	56.3	12.6	0.207	bb
4	191021K2_4	50.0	1.56	NO	44.33	1.221	4.63e5	2.62e6	48.1	-3.8	0.177	dd
5	191021K2_5	50.0	1.59	NO	44.33	1.221	4.43e5	2.44e6	49.4	-1.2	0.181	bb
6	191021K2_6	50.0	1.59	NO	44.33	1.221	4.66e5	2.83e6	45.0	-10.1	0.165	bb

Compound name: 13C12-Endrin Aldehyde

Response Factor: 0.0307313

RRF SD: 0.00171701, Relative SD: 5.58716

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	500	0.45	NO	41.28	1.137	8.77e5	2.89e6	493	-1.4	0.0303	MM
2	191021K2_2	500	0.46	NO	41.28	1.137	8.09e5	2.50e6	526	5.2	0.0323	MM
3	191021K2_3	500	0.43	NO	41.28	1.137	7.47e5	2.44e6	497	-0.6	0.0305	MM
4	191021K2_4	500	0.44	NO	41.28	1.137	7.59e5	2.62e6	471	-5.9	0.0289	MM
5	191021K2_5	500	0.45	NO	41.28	1.137	7.11e5	2.44e6	473	-5.3	0.0291	MM
6	191021K2_6	500	0.46	NO	41.28	1.137	9.38e5	2.83e6	540	8.0	0.0332	MM

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-CRV.qld

Last Altered: Tuesday, October 22, 2019 10:40:47 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:41:51 AM Pacific Daylight Time

Compound name: 13C12-Endrin Ketone

Response Factor: 0.0240079

RRF SD: 0.00188932, Relative SD: 7.86957

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	500	0.45	NO	44.47	1.225	7.10e5	2.89e6	511	2.2	0.0245	bb
2	191021K2_2	500	0.46	NO	44.47	1.225	6.67e5	2.50e6	555	11.0	0.0266	bb
3	191021K2_3	500	0.44	NO	44.47	1.225	6.25e5	2.44e6	533	6.6	0.0256	bb
4	191021K2_4	500	0.45	NO	44.47	1.225	5.91e5	2.62e6	469	-6.2	0.0225	bb
5	191021K2_5	500	0.44	NO	44.46	1.224	5.34e5	2.44e6	455	-8.9	0.0219	bb
6	191021K2_6	500	0.43	NO	44.46	1.224	6.46e5	2.83e6	476	-4.8	0.0229	db

Compound name: 13C-PCB-15

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std (Ref 62), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	191021K2_1	50.0	1.48	NO	26.49	1.000	2.89e6	2.89e6	50.0	0.0	1.00	bb
2	191021K2_2	50.0	1.49	NO	26.49	1.000	2.50e6	2.50e6	50.0	0.0	1.00	bb
3	191021K2_3	50.0	1.48	NO	26.49	1.000	2.44e6	2.44e6	50.0	0.0	1.00	bb
4	191021K2_4	50.0	1.46	NO	26.50	1.000	2.62e6	2.62e6	50.0	0.0	1.00	bb
5	191021K2_5	50.0	1.47	NO	26.49	1.000	2.44e6	2.44e6	50.0	0.0	1.00	bb
6	191021K2_6	50.0	1.46	NO	26.49	1.000	2.83e6	2.83e6	50.0	0.0	1.00	bb

Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 11:02:54 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 11:03:15 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Compound name: Hexachlorobutadiene

	Name	ID	Acq.Date	Acq.Time
1	191021K2_1	ST191021K2-1 1699 CS1 19H0202	21-Oct-19	13:00:44
2	191021K2_2	ST191021K2-2 1699 CS2 19H0203	21-Oct-19	13:53:56
3	191021K2_3	ST191021K2-3 1699 CS3.5 19H0205	21-Oct-19	14:40:46
4	191021K2_4	ST191021K2-4 1699 CS4 19H0206	21-Oct-19	15:30:19
5	191021K2_5	ST191021K2-5 1699 CS3 19H0204	21-Oct-19	16:19:52
6	191021K2_6	ST191021K2-6 1699 CS5 19H0207	21-Oct-19	17:09:22
7	191021K2_7	SS191021K2-1 1699 SS 19H0208	21-Oct-19	17:58:52
8	191021K2_8	GC191021K2-1 GC BREAK	21-Oct-19	18:48:26
9	191021K2_9	B9H0191-BS2 OPR 1	21-Oct-19	19:38:42
10	191021K2_10	B9H0191-BS3 OPR 1	21-Oct-19	20:27:26
11	191021K2_11	SOLVENT BLANK	21-Oct-19	21:16:57
12	191021K2_12	B9H0191-BLK1 Method Blank 1	21-Oct-19	22:07:25
13	191021K2_13	B9I0226-BLK1 Method Blank 1	21-Oct-19	22:57:13
14	191021K2_14	B9J0021-BLK1 Method Blank 1	21-Oct-19	23:46:15
15	191021K2_15	B9I0215-BLK1 Method Blank 1	22-Oct-19	00:34:57
16	191021K2_16	1903419-01 RB-20190926140400 0.9967	22-Oct-19	01:25:40
17	191021K2_17	B9I0226-MS1 Matrix Spike 0.99207	22-Oct-19	02:14:47
18	191021K2_18	B9I0226-MSD1 Matrix Spike Dup 0.98166	22-Oct-19	03:03:36
19	191021K2_19	B9I0215-MS1 Matrix Spike 1.01054	22-Oct-19	03:53:06

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-8.qld

Last Altered: Tuesday, October 22, 2019 10:49:41 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:51:06 AM Pacific Daylight Time

GPB 10/22/19

Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

#	Name	Resp	RA	n/y	RT
1	1 Endrin Aldehyde	4.66e3	0.55	NO	41.29
2	2 Endrin Ketone	6.11e3	0.64	NO	44.47
3	3 Endrin	4.59e5	1.47	NO	39.14
4	4 4,4'-DDE				
5	5 4,4'-DDD	2.36e4	1.21	NO	39.63
6	6 4,4'-DDT	6.86e6	1.56	NO	40.70

$$\frac{EA + EK}{E} \times 100\% = \underline{2.35\%}$$

$$\frac{DDE + DDD}{DDT} \times 100\% = \underline{0.34\%}$$

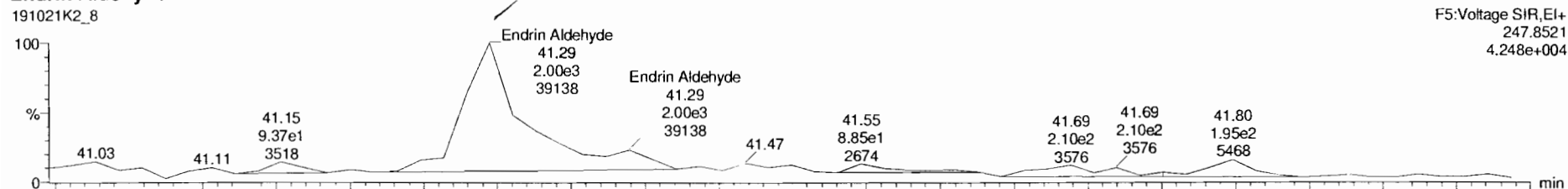
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

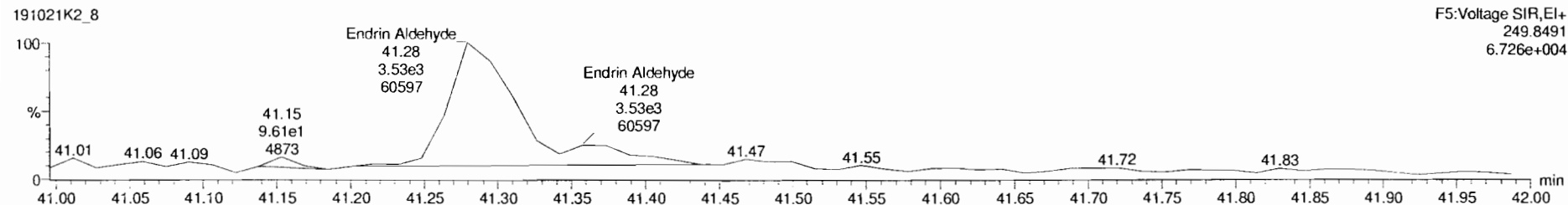
Method: U:\VG11.PRO\MethDB\1699_GC-break.mdb 17 Oct 2019 10:48:50
Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

Endrin Aldehyde

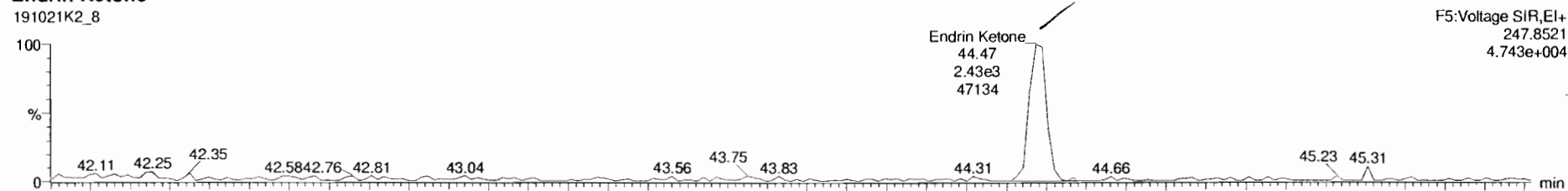


F5:Voltage SIR,El+
247.8521
4.248e+004

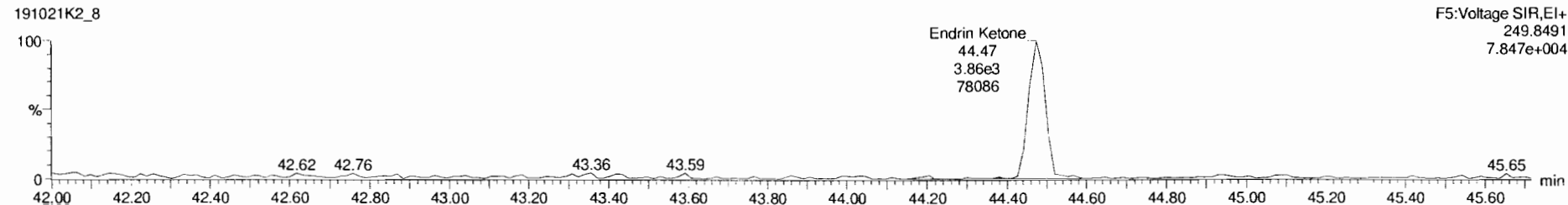


F5:Voltage SIR,El+
249.8491
6.726e+004

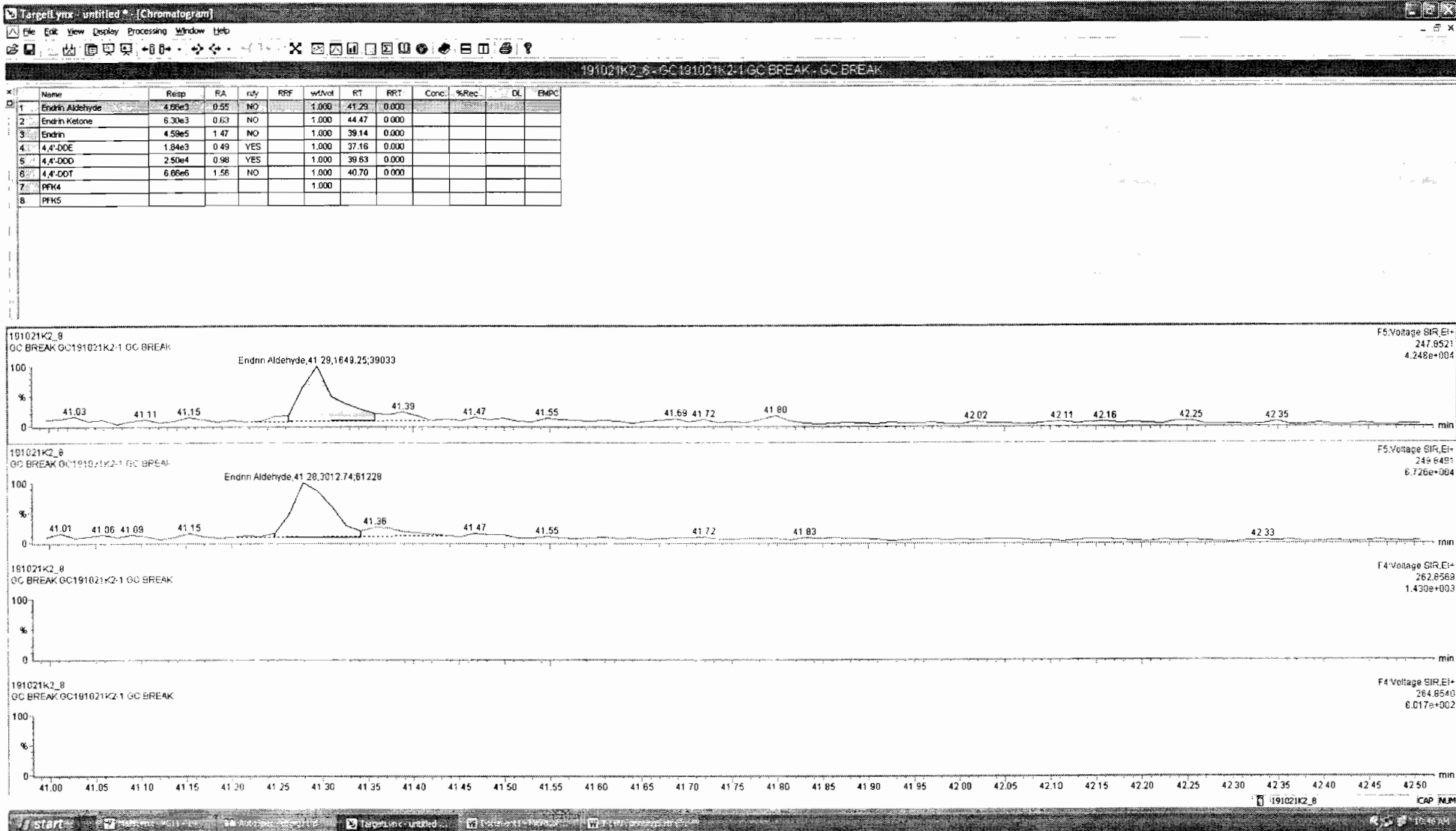
Endrin Ketone

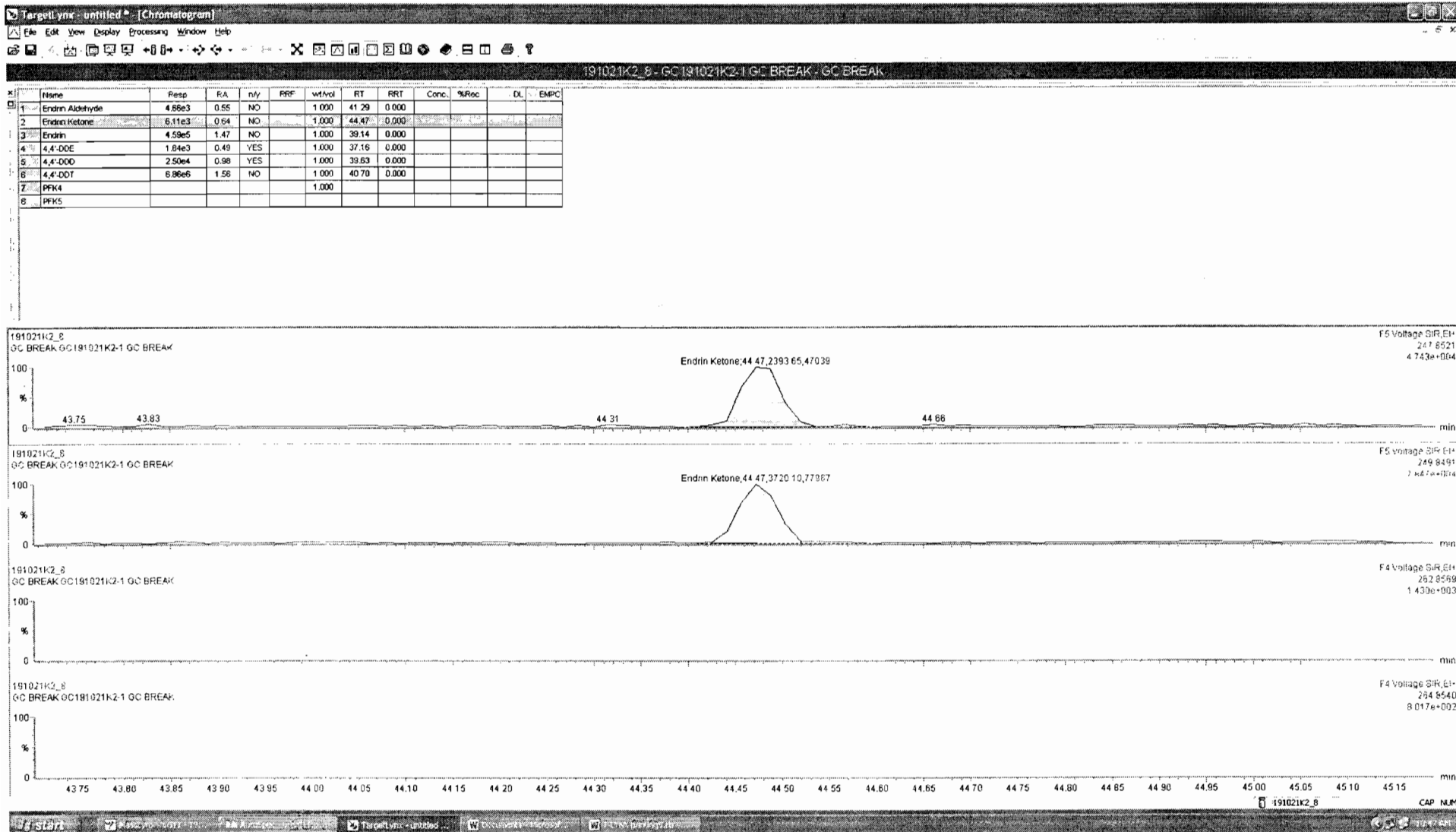


F5:Voltage SIR,El+
247.8521
4.743e+004



F5:Voltage SIR,El+
249.8491
7.847e+004

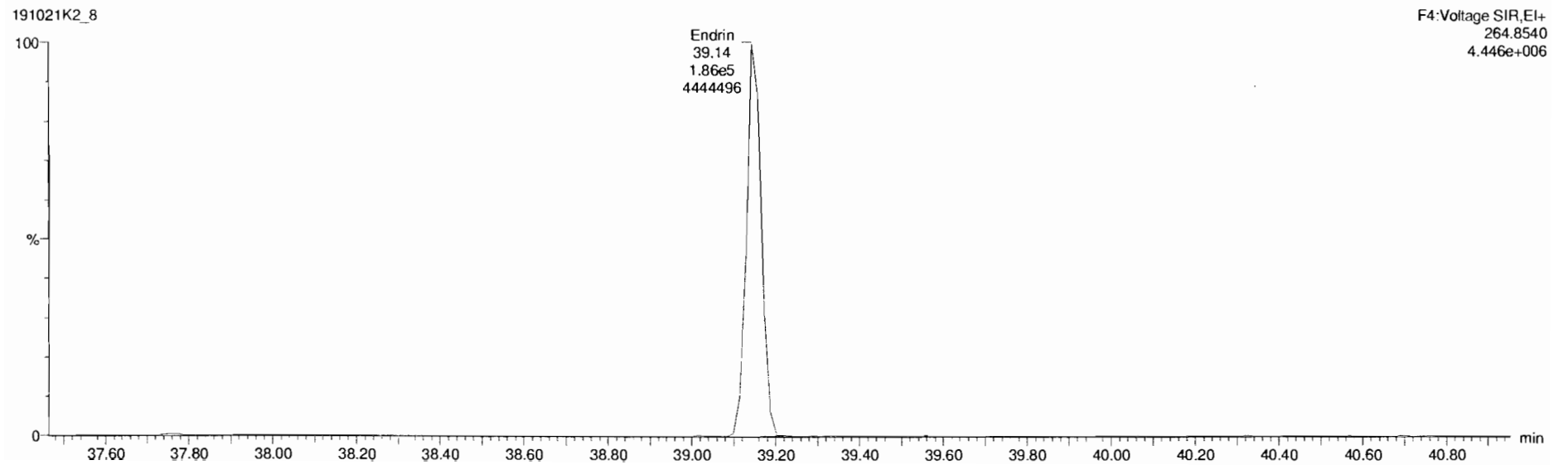
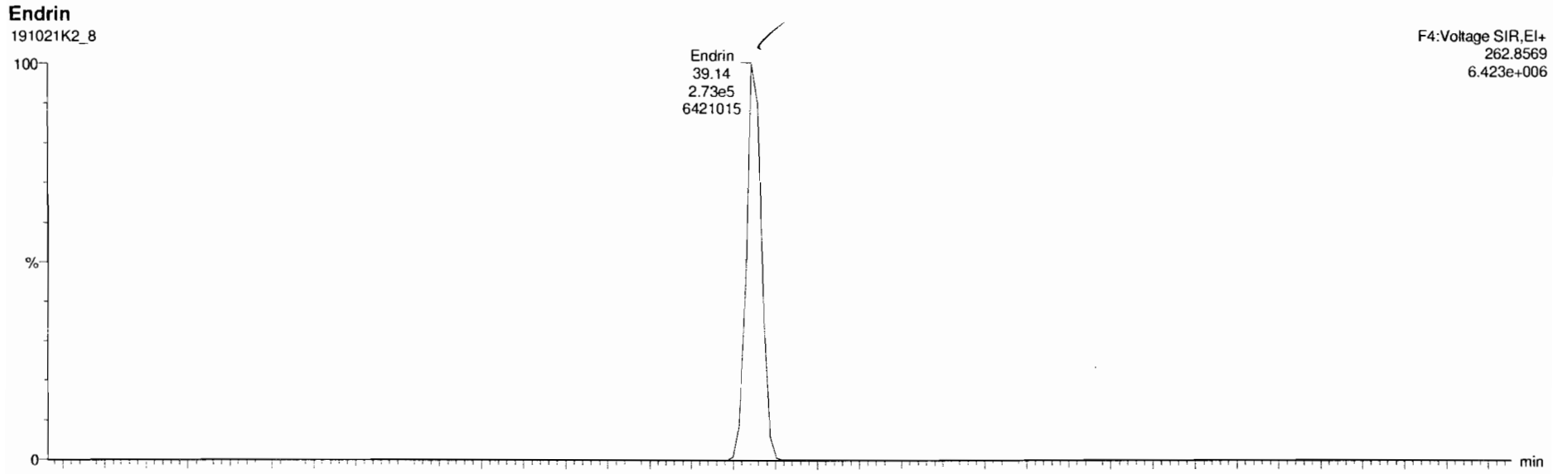




Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK



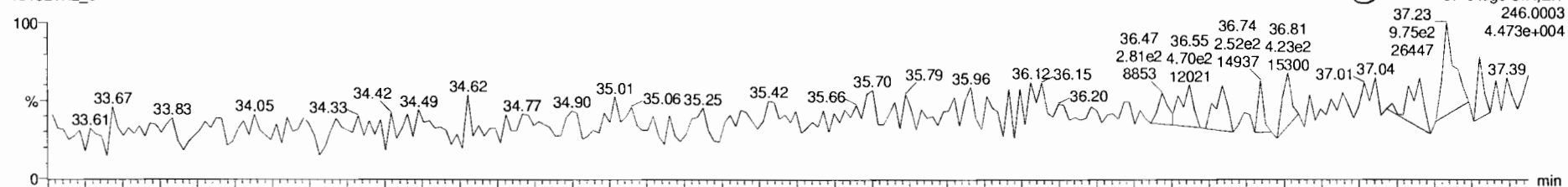
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

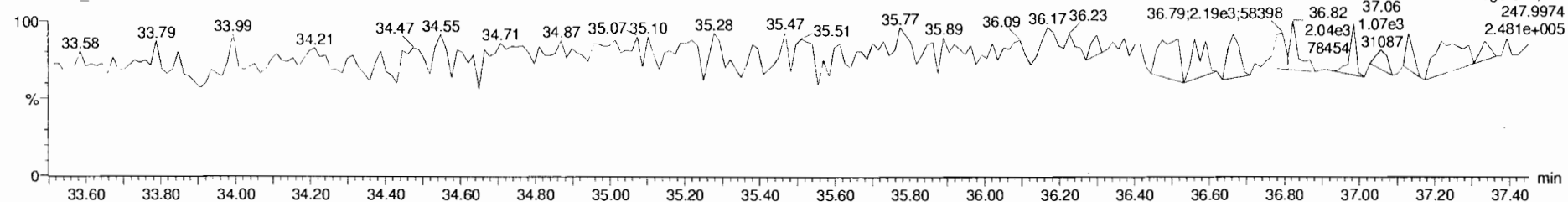
Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

4,4'-DDE

191021K2_8

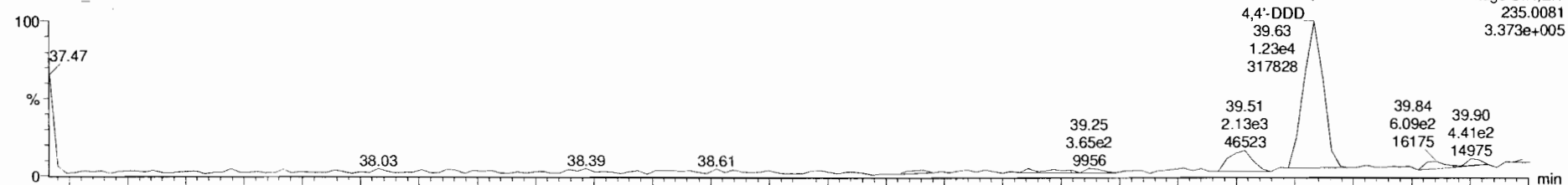


191021K2_8

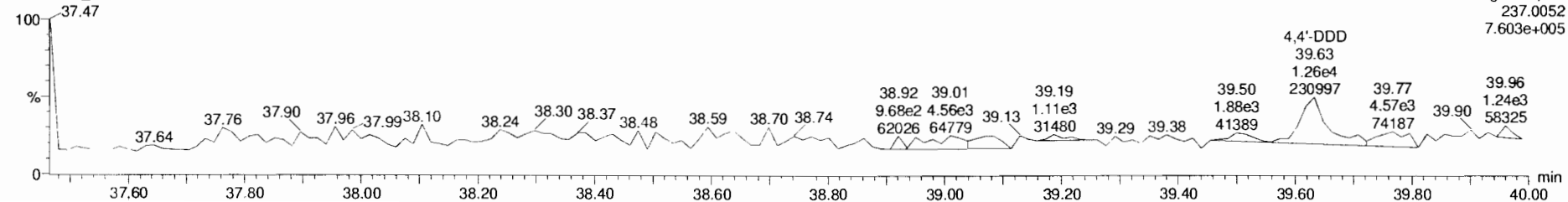


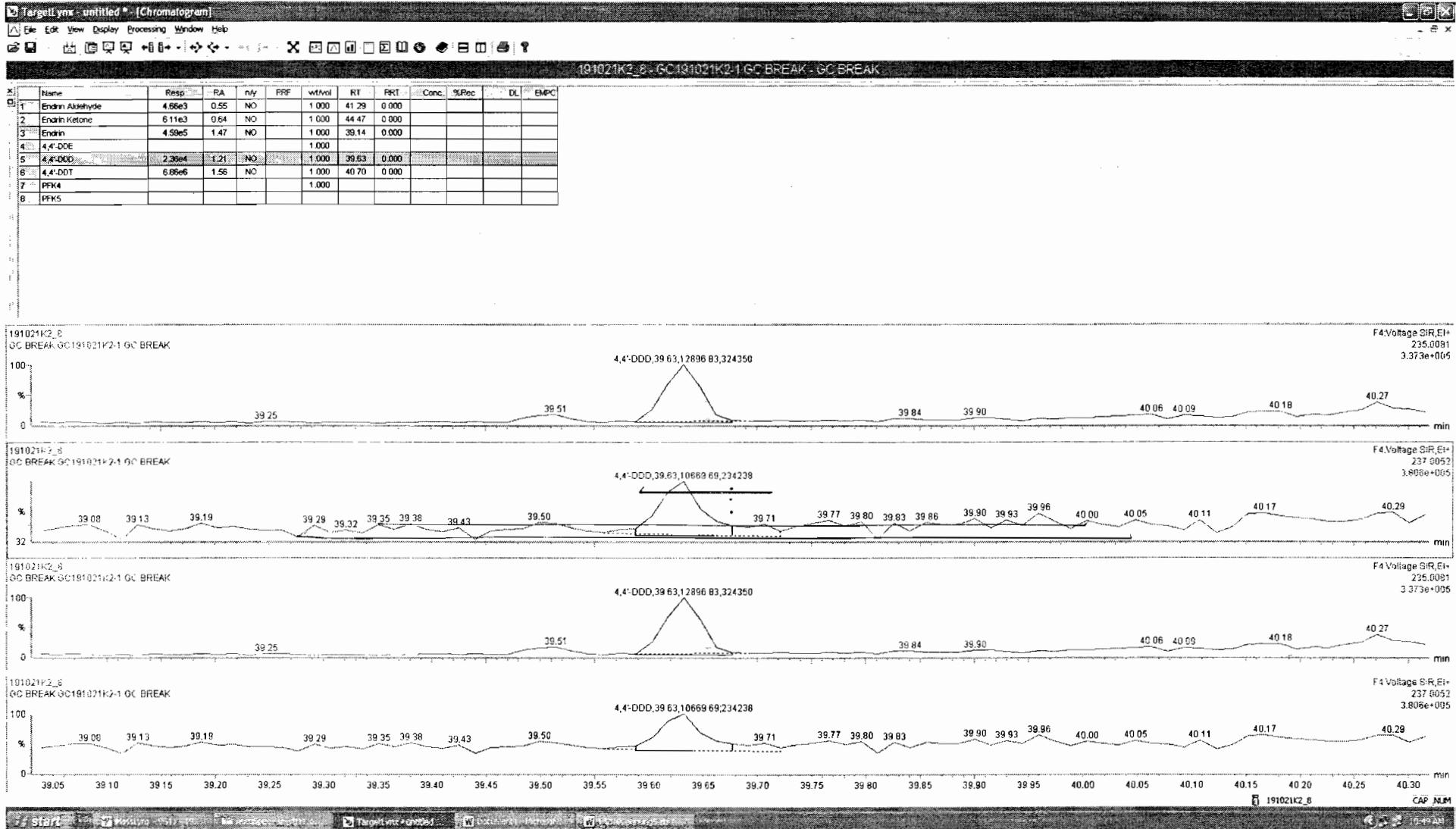
4,4'-DDD

191021K2_8



191021K2_8





Dataset: Untitled

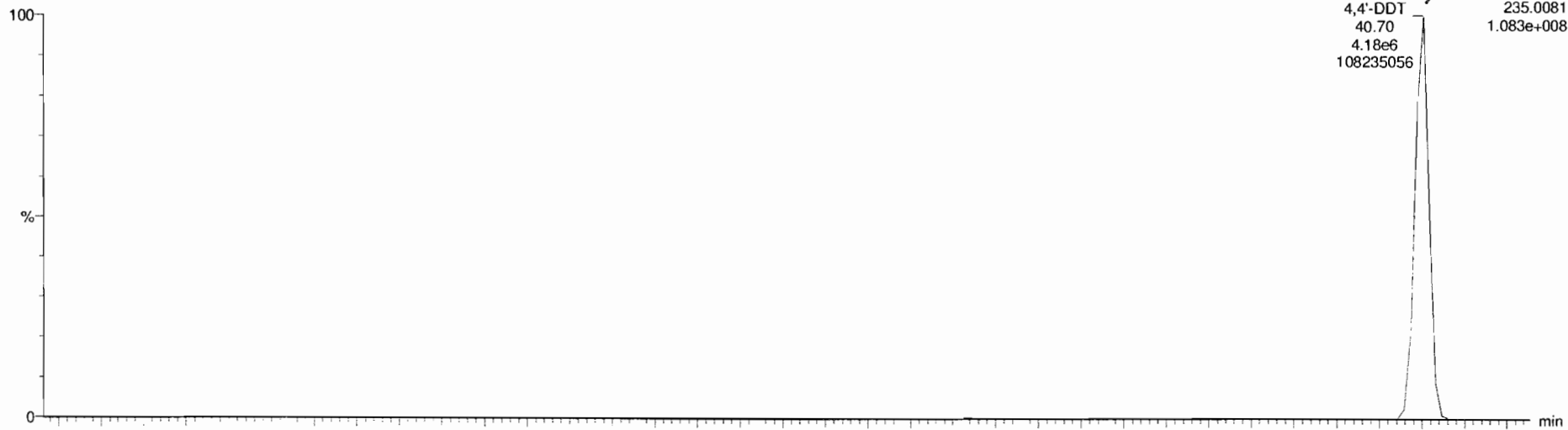
Last Altered: Tuesday, October 22, 2019 10:45:18 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:45:44 AM Pacific Daylight Time

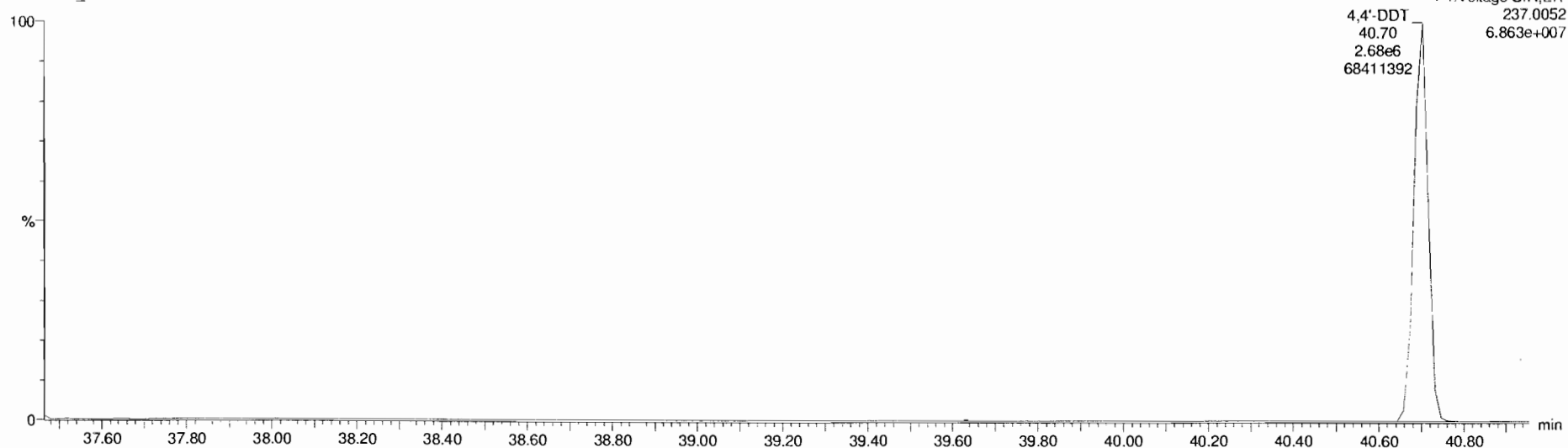
Name: 191021K2_8, Date: 21-Oct-2019, Time: 18:48:26, ID: GC191021K2-1 GC BREAK, Description: GC BREAK

4,4'-DDT

191021K2_8



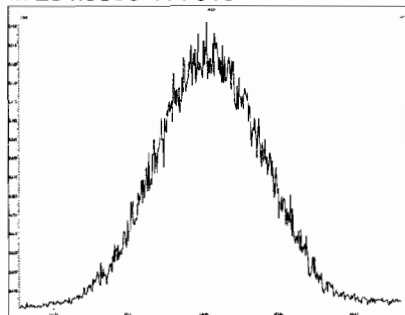
191021K2_8



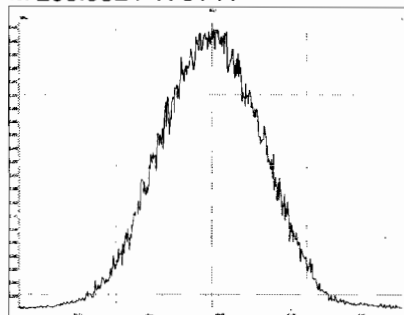
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:52:53 Pacific Daylight Time

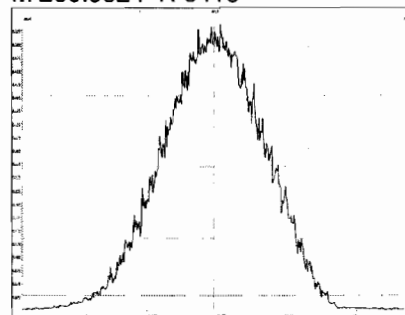
M 254.9856 R 7619



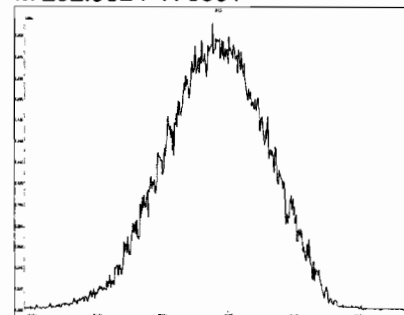
M 268.9824 R 8144



M 280.9824 R 8416



M 292.9824 R 8391



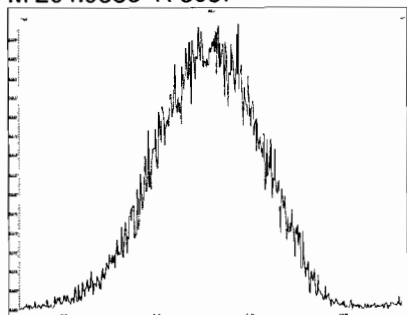
Experiment Calibration Report

MassLynx 4.1 SCN815

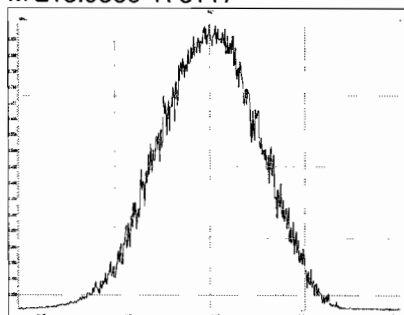
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:54:24 Pacific Daylight Time

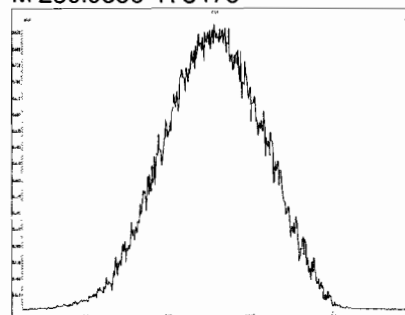
M 204.9888 R 8037



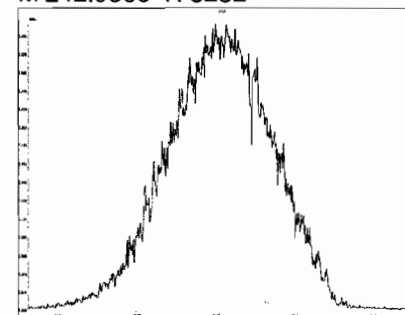
M 218.9856 R 8117



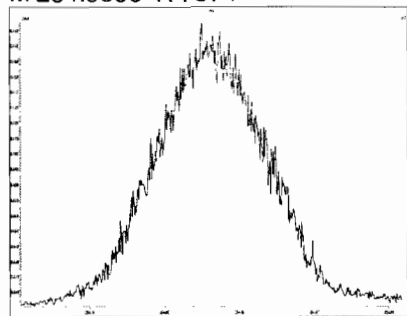
M 230.9856 R 8475



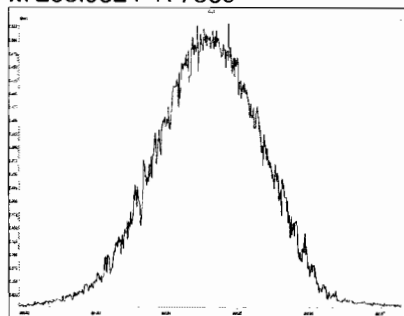
M 242.9856 R 8252



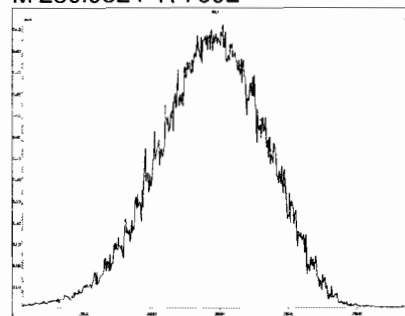
M 254.9856 R 7374



M 268.9824 R 7859



M 280.9824 R 7692



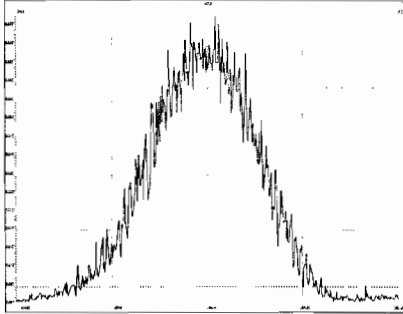
Experiment Calibration Report

MassLynx 4.1 SCN815

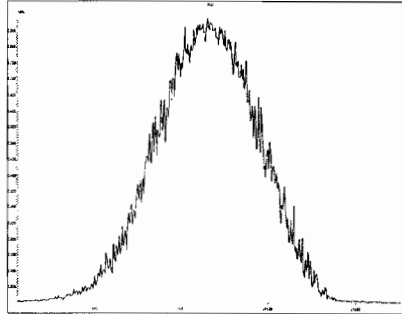
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:55:29 Pacific Daylight Time

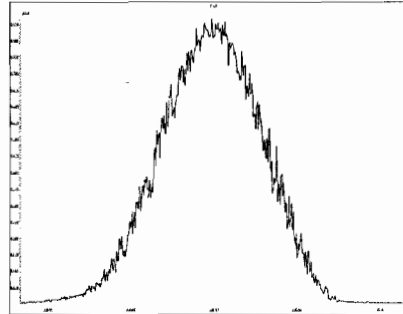
M 204.9888 R 8089



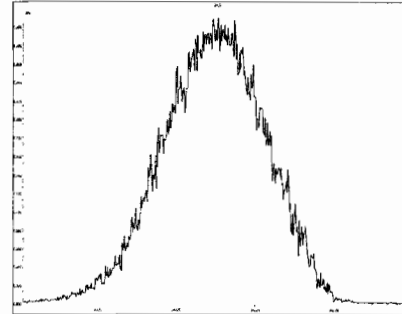
M 218.9856 R 8532



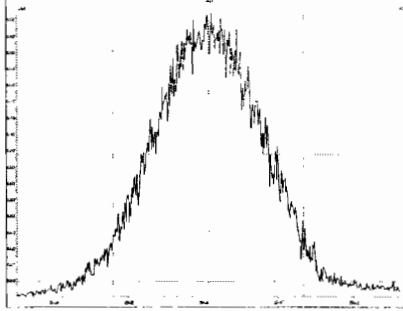
M 230.9856 R 8472



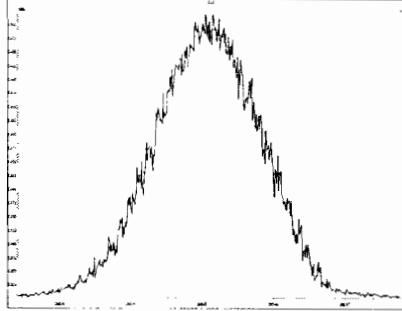
M 242.9856 R 8307



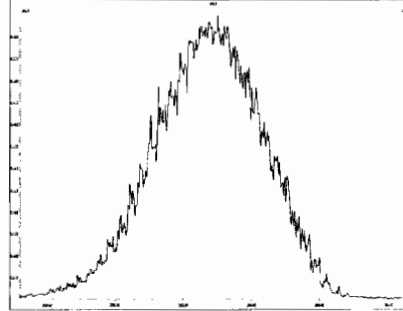
M 254.9856 R 7691



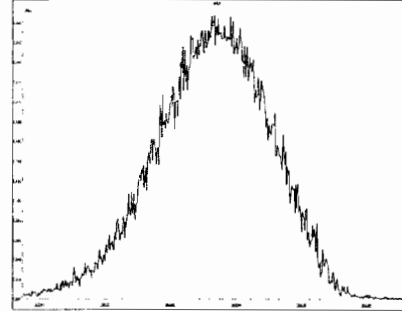
M 268.9824 R 7786



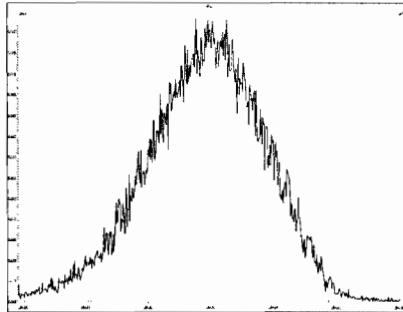
M 280.9824 R 7837



M 292.9824 R 7529



M 304.9824 R 7332



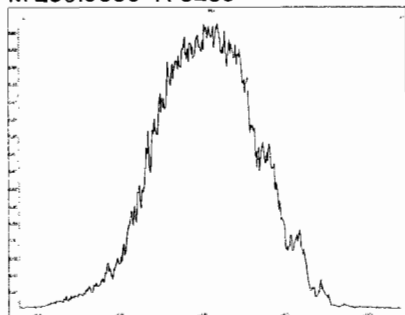
Experiment Calibration Report

MassLynx 4.1 SCN815

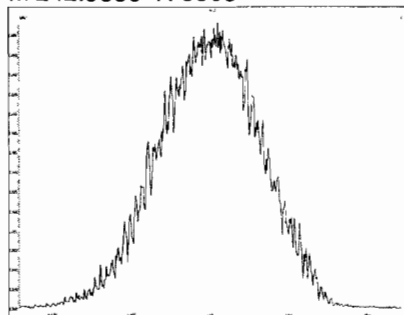
File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:57:28 Pacific Daylight Time

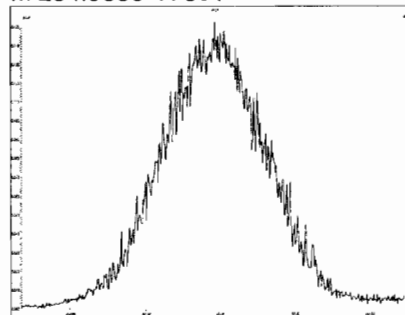
M 230.9856 R 8253



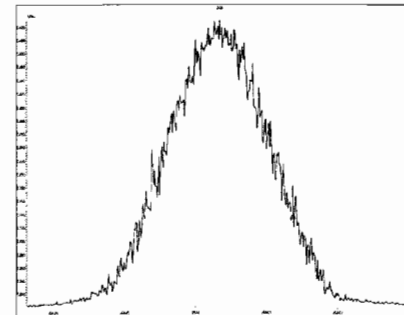
M 242.9856 R 8503



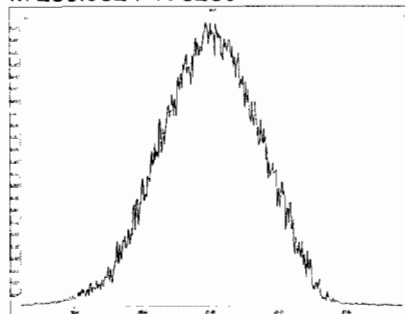
M 254.9856 R 8011



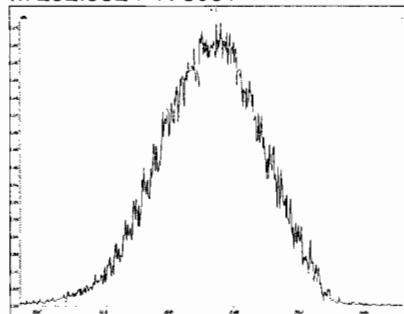
M 268.9824 R 8771



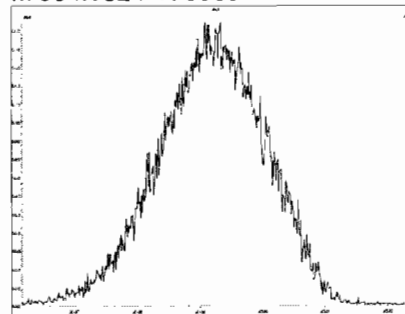
M 280.9824 R 8280



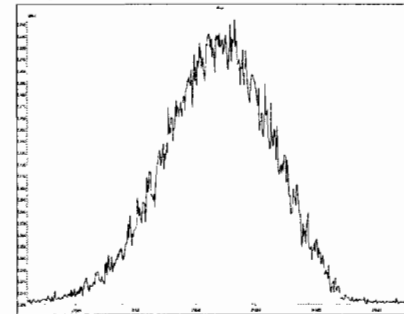
M 292.9824 R 8091



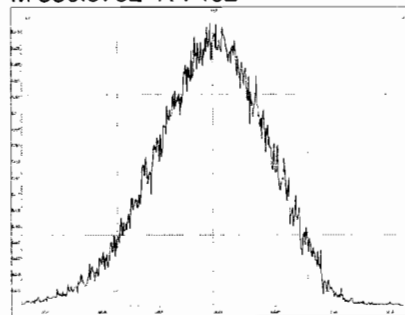
M 304.9824 R 8089



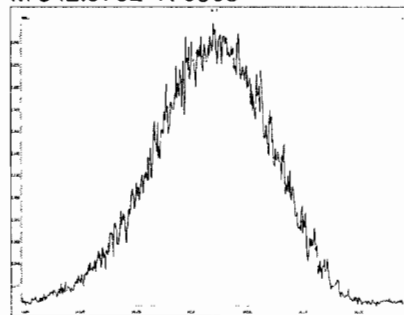
M 318.9792 R 7938



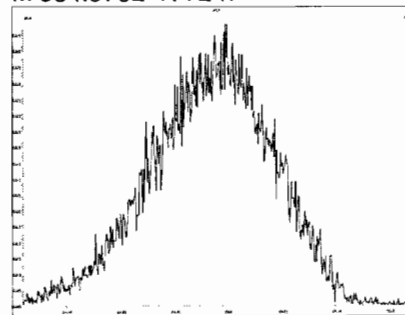
M 330.9792 R 7462



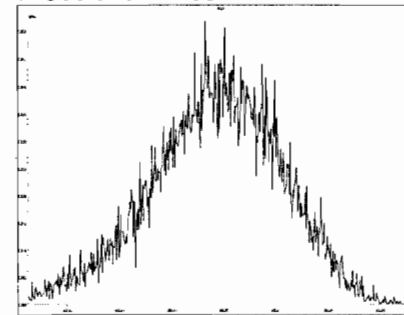
M 342.9792 R 6905



M 354.9792 R 7247



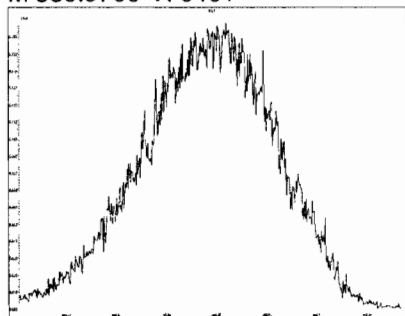
M 366.9792 R 6510



File: Experiment: 1699_ZB50_10K.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, October 21, 2019 12:57:28 Pacific Daylight Time

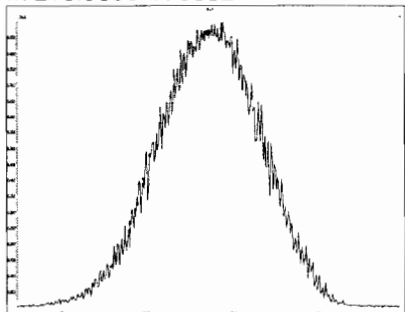
M 380.9760 R 6461



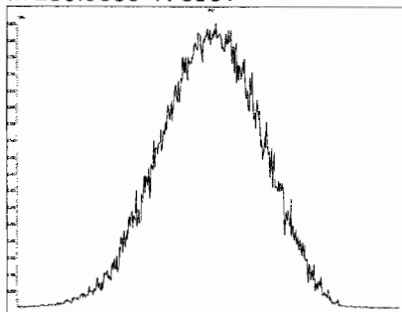
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Printed: Monday, October 21, 2019 12:58:40 Pacific Daylight Time

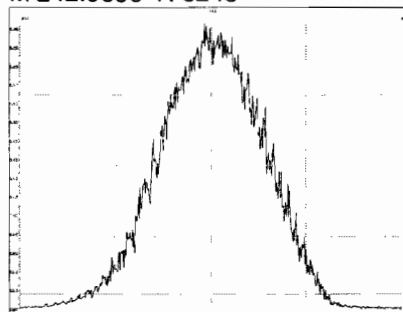
M 218.9856 R 8332



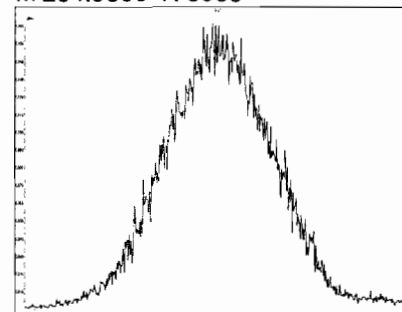
M 230.9856 R 8361



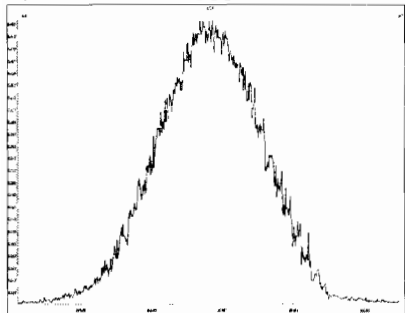
M 242.9856 R 8248



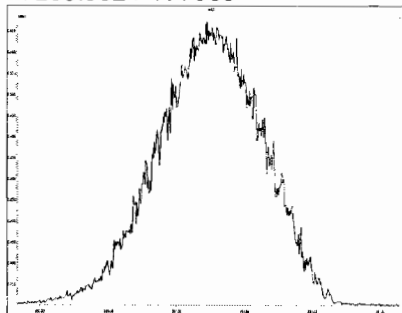
M 254.9856 R 8065



M 268.9824 R 7886



M 280.9824 R 7989



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

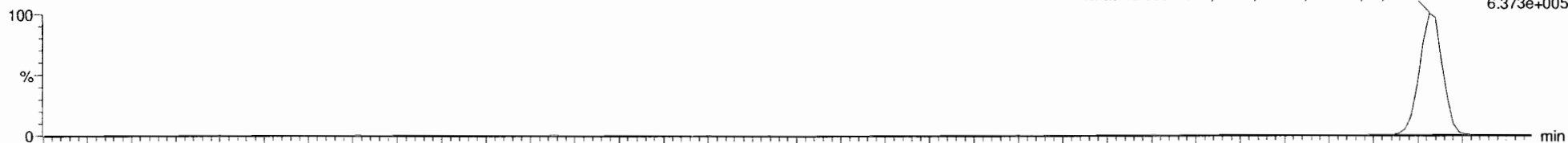
Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: 22 Oct 2019 09:37:14

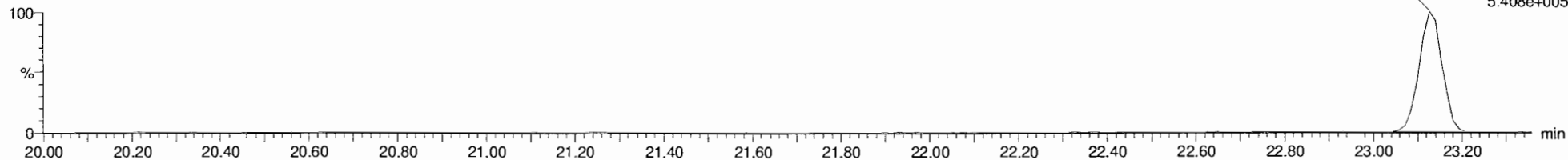
Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Hexachlorobenzene

191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

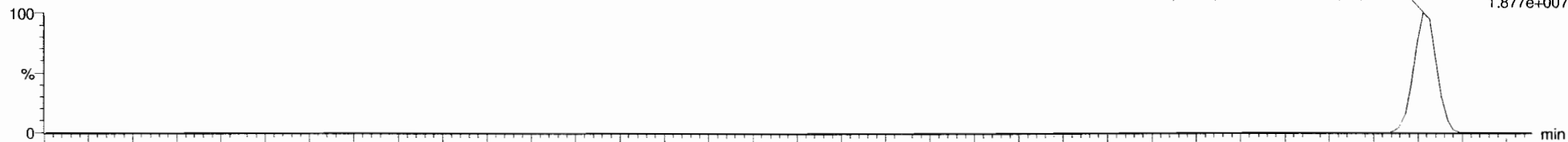


191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

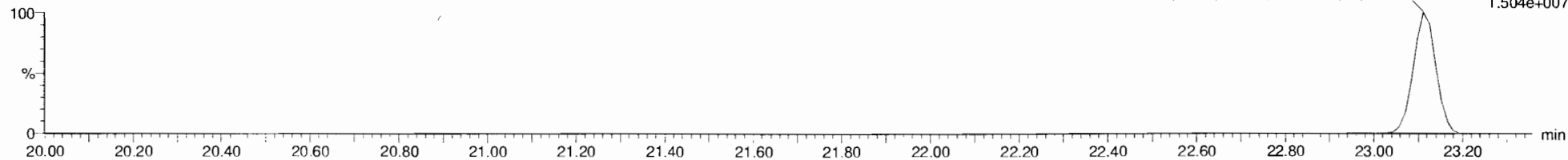


13C6-Hexachlorobenzene

191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202



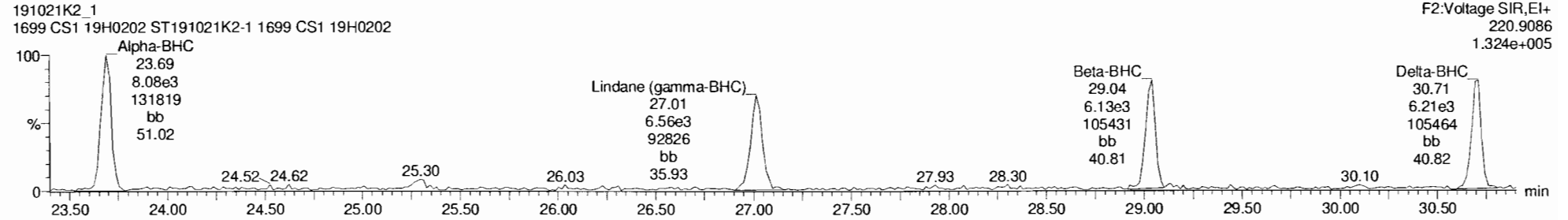
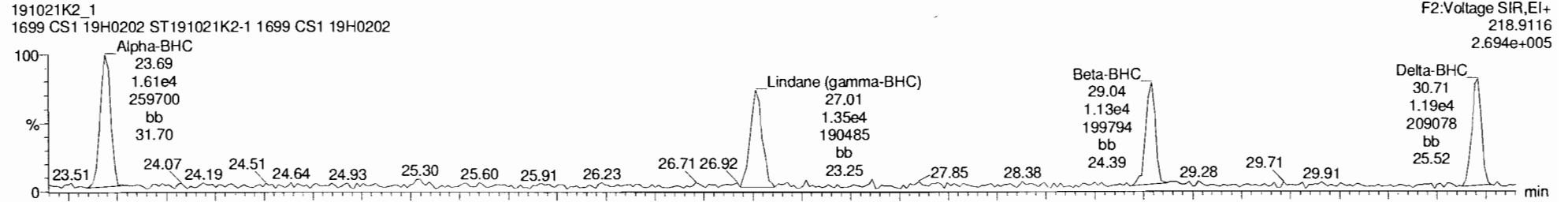
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

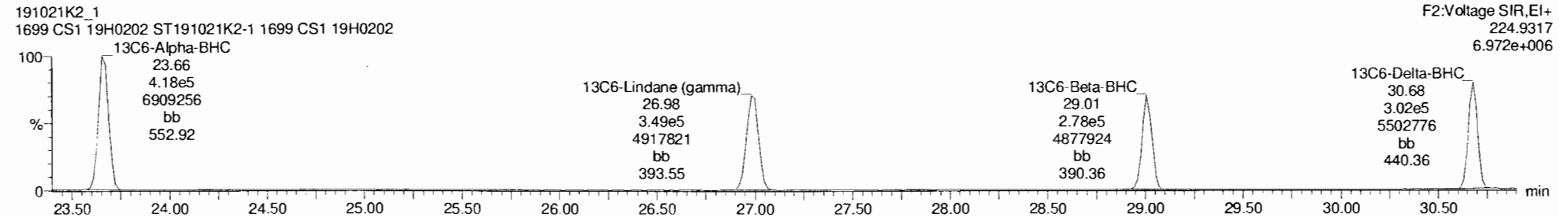
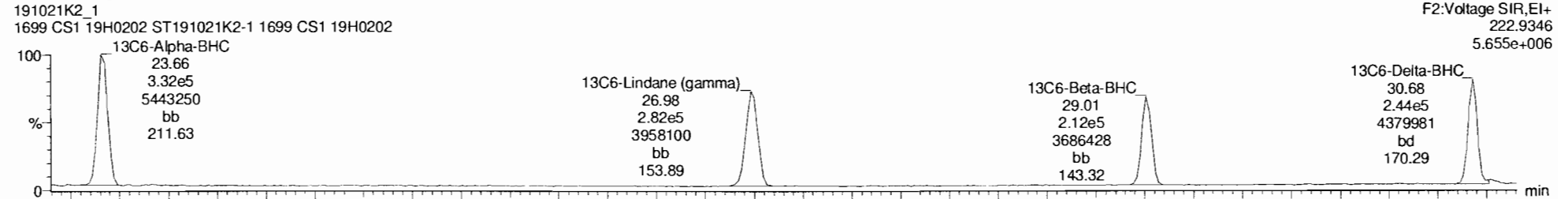
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

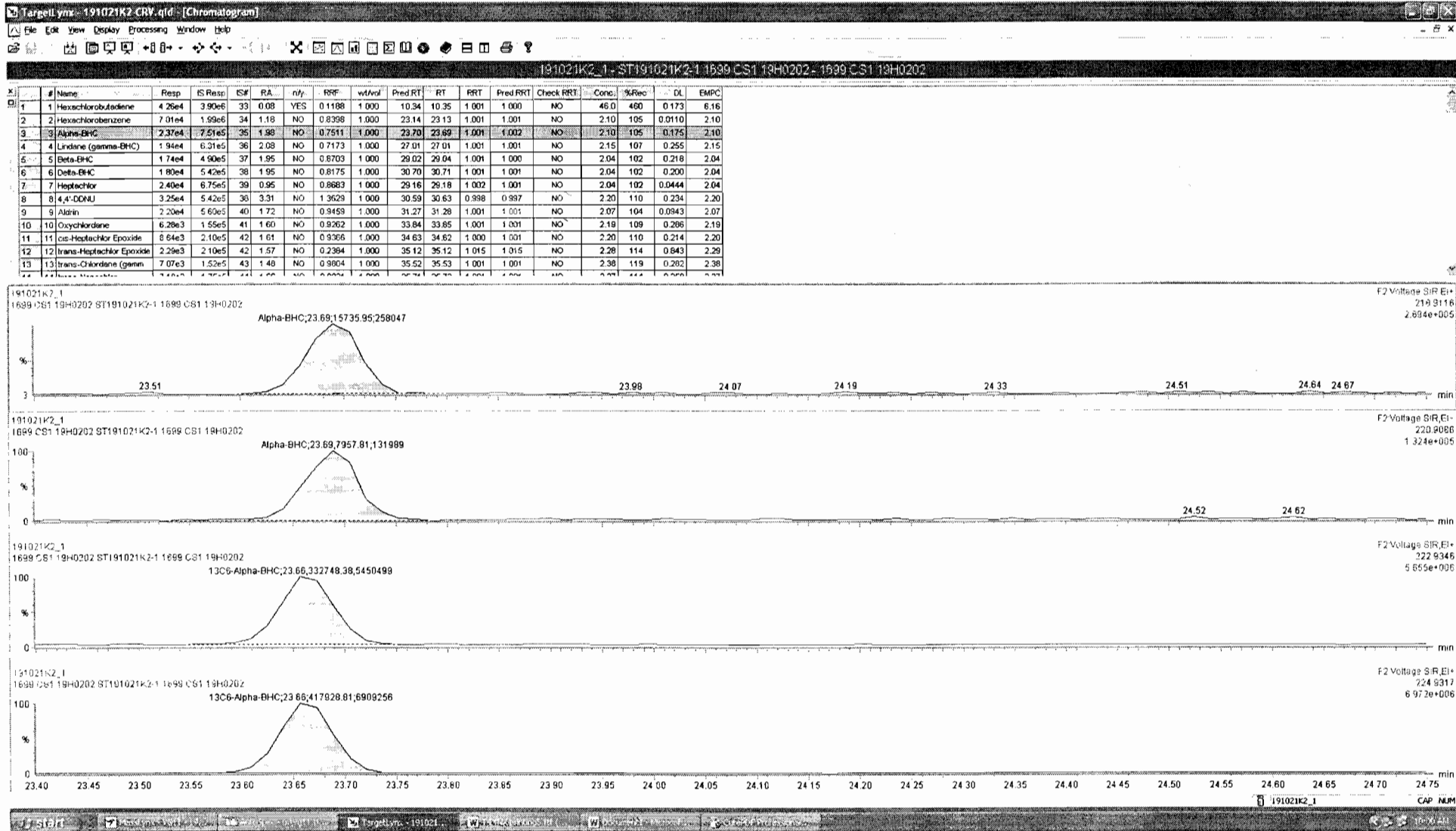
Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

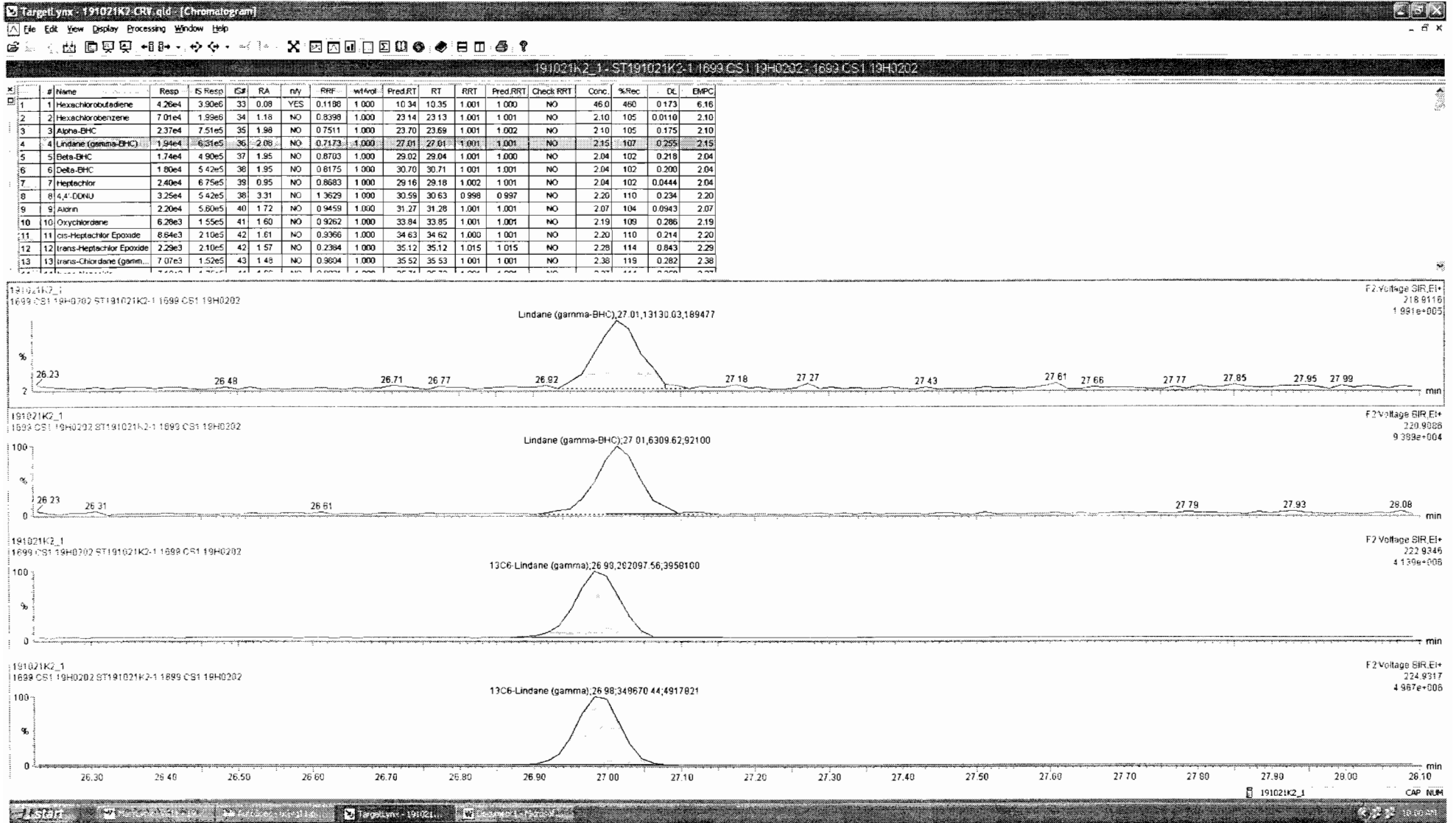
BHC Totals

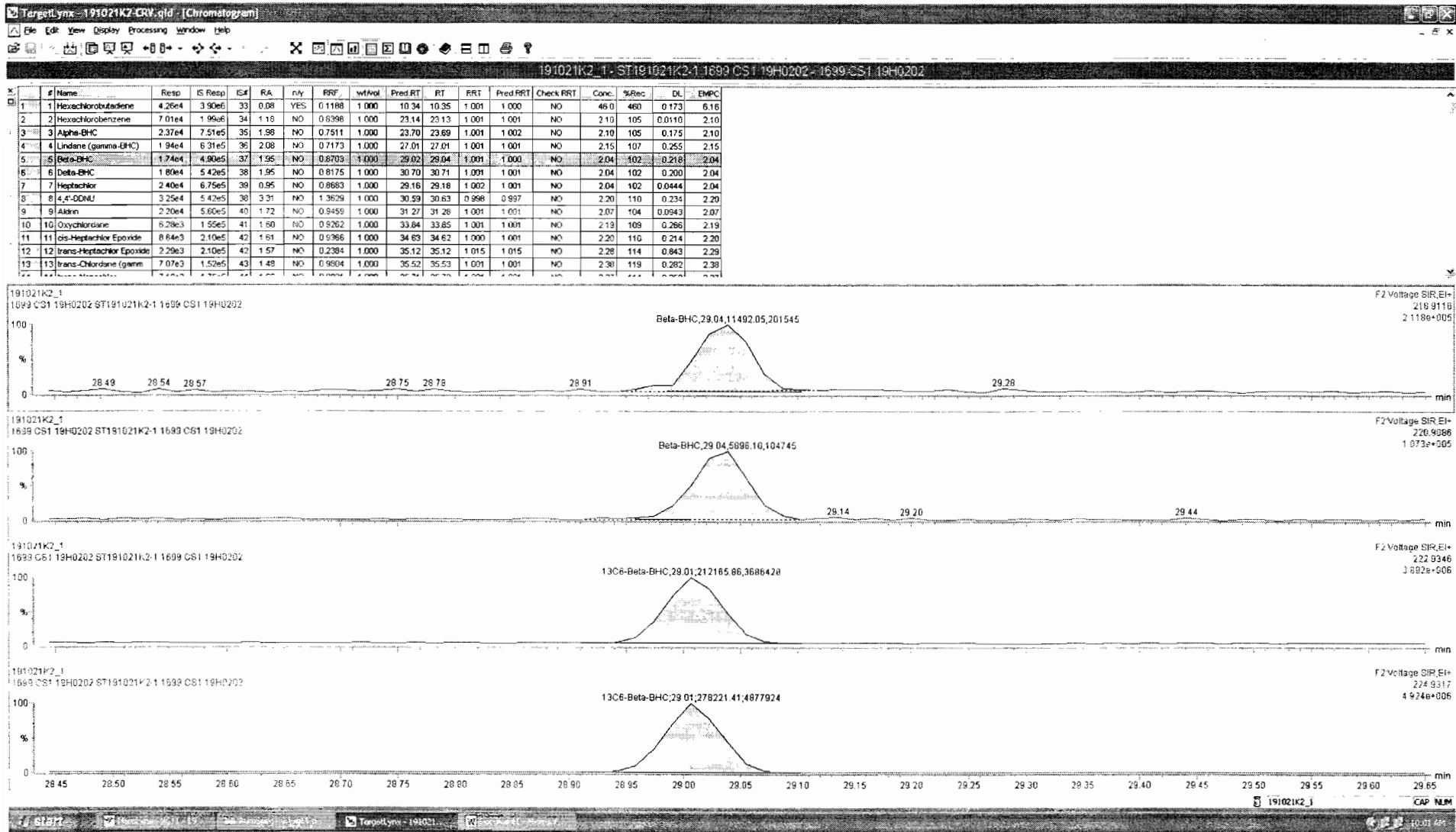


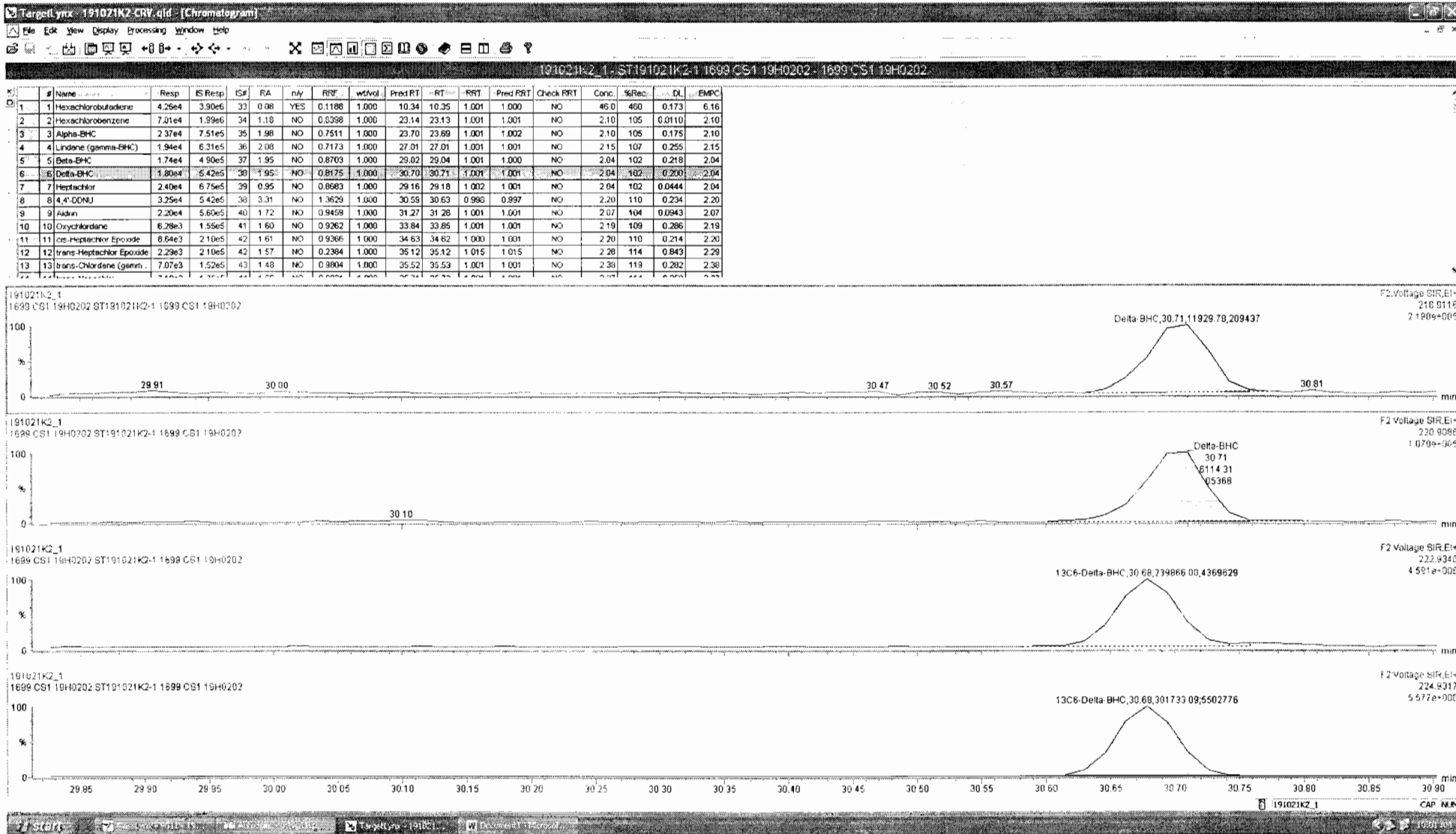
BHC-isotopes











Dataset: Untitled

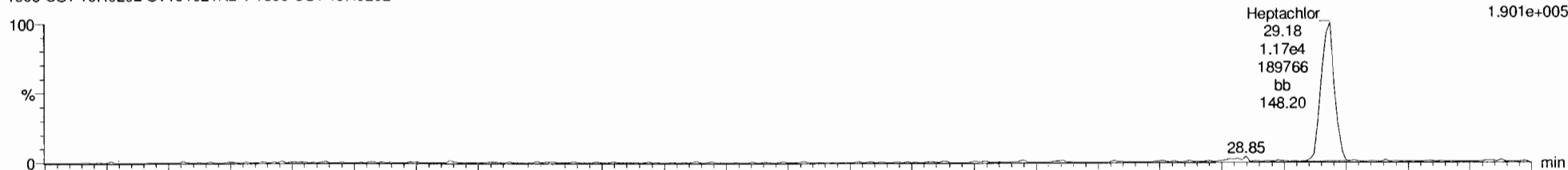
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Heptachlor

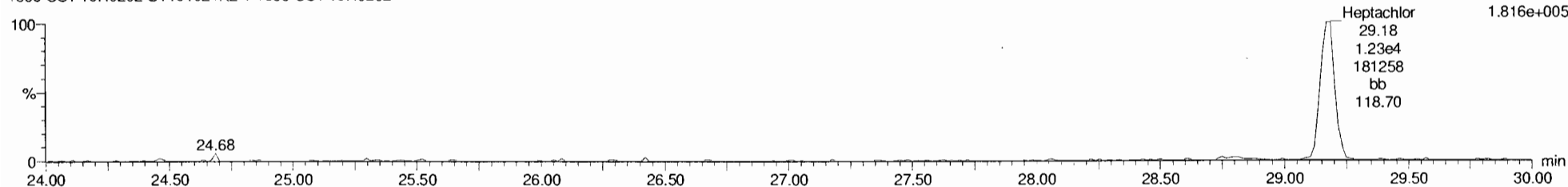
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
271.8102
1.901e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
273.8072
1.816e+005



13C10-Heptachlor

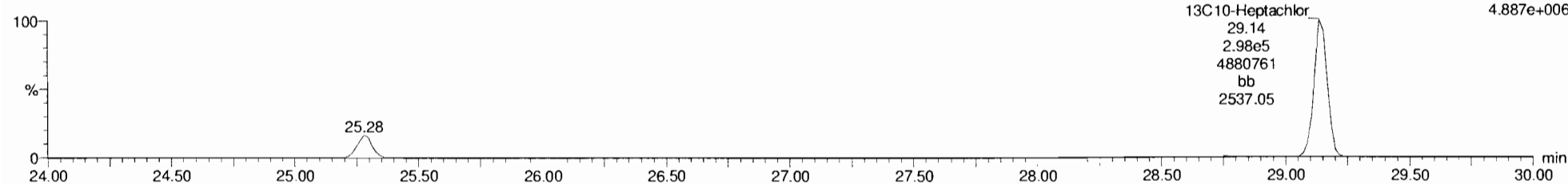
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
276.8269
6.099e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
278.8240
4.887e+006



Dataset: Untitled

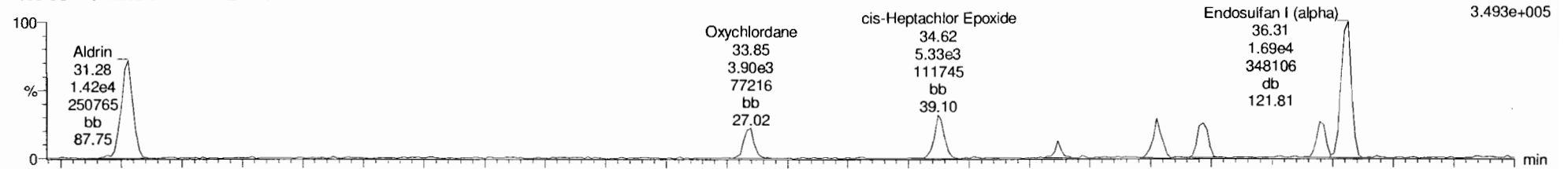
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Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Aldrin-EI

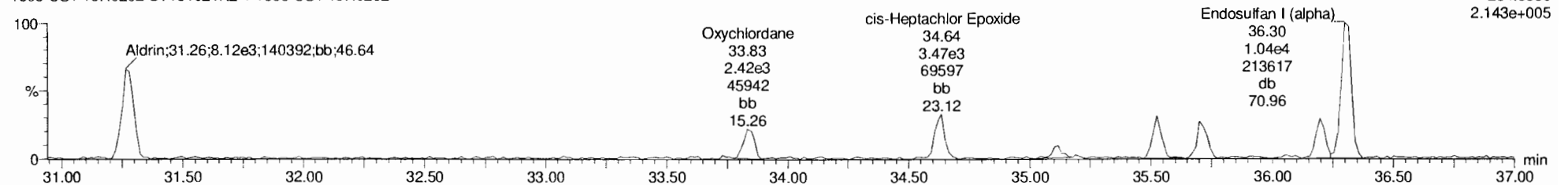
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
262.8569
3.493e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

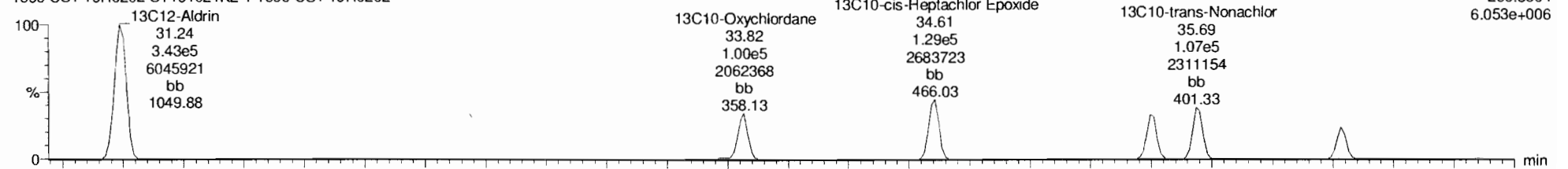
F3:Voltage SIR,EI+
264.8550
2.143e+005



Aldrin-EI-isotopes

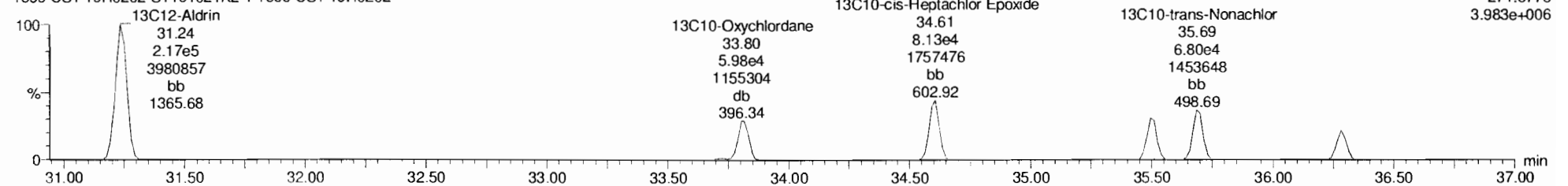
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

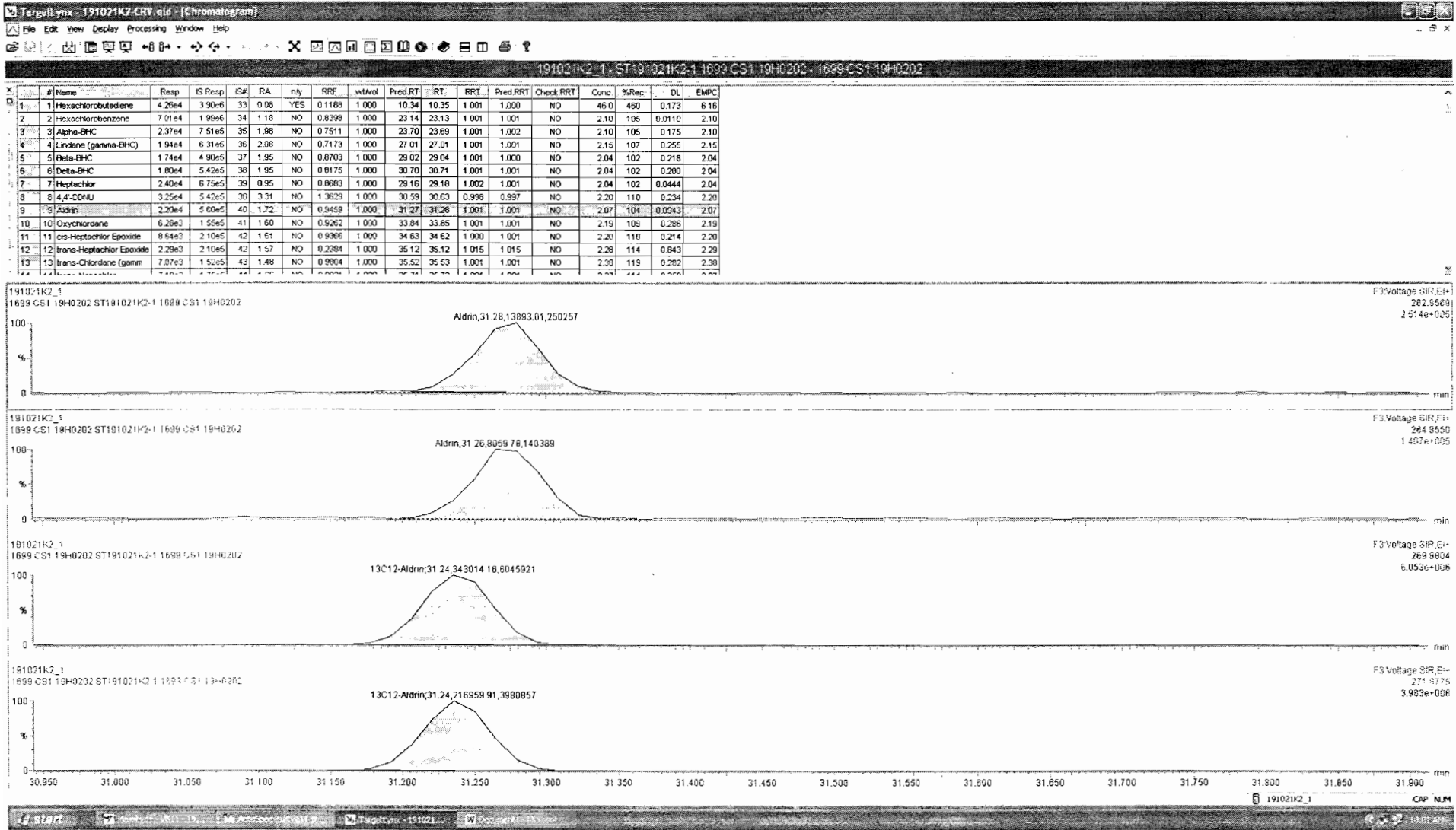
F3:Voltage SIR,EI+
269.8804
6.053e+006

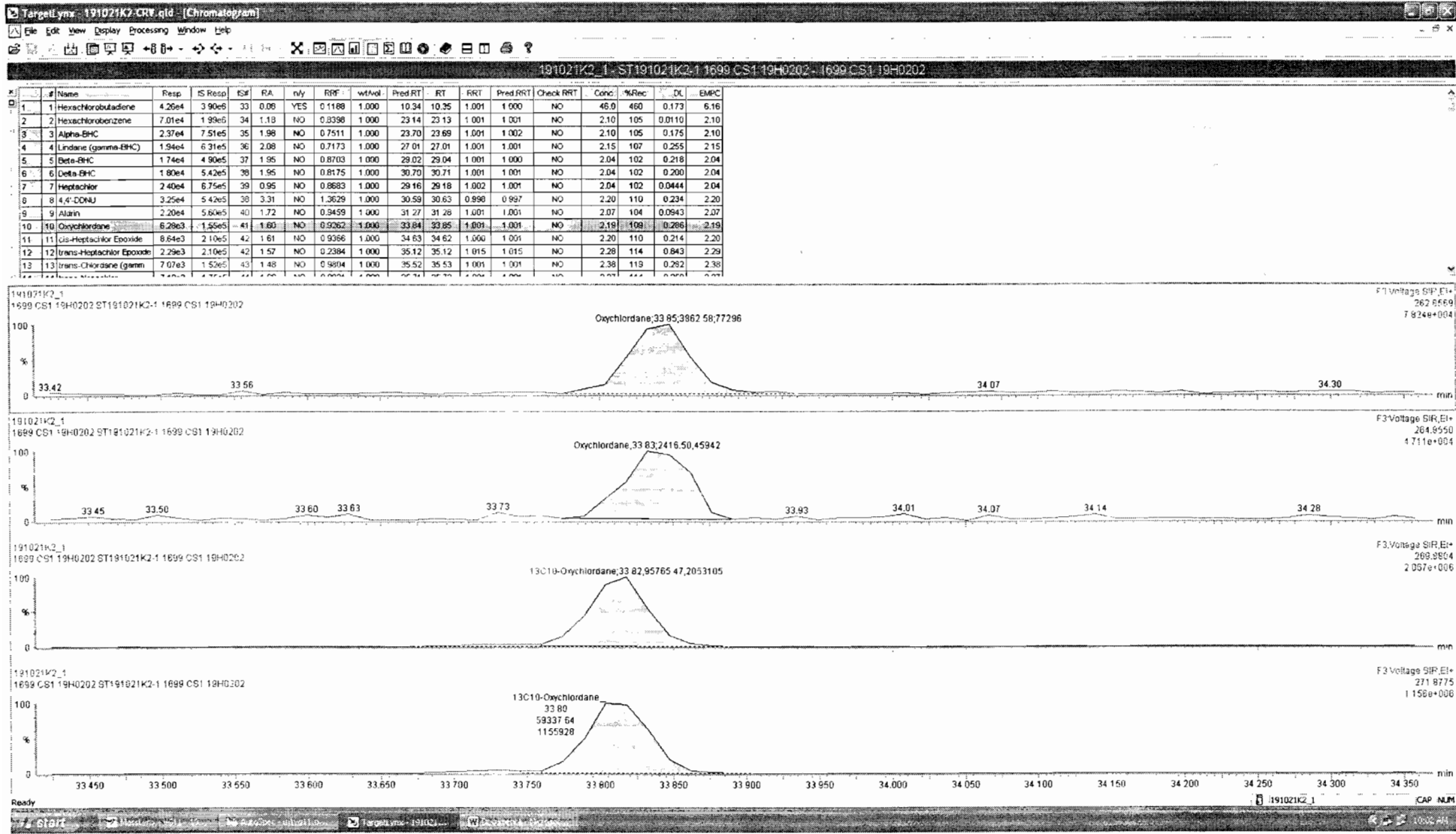


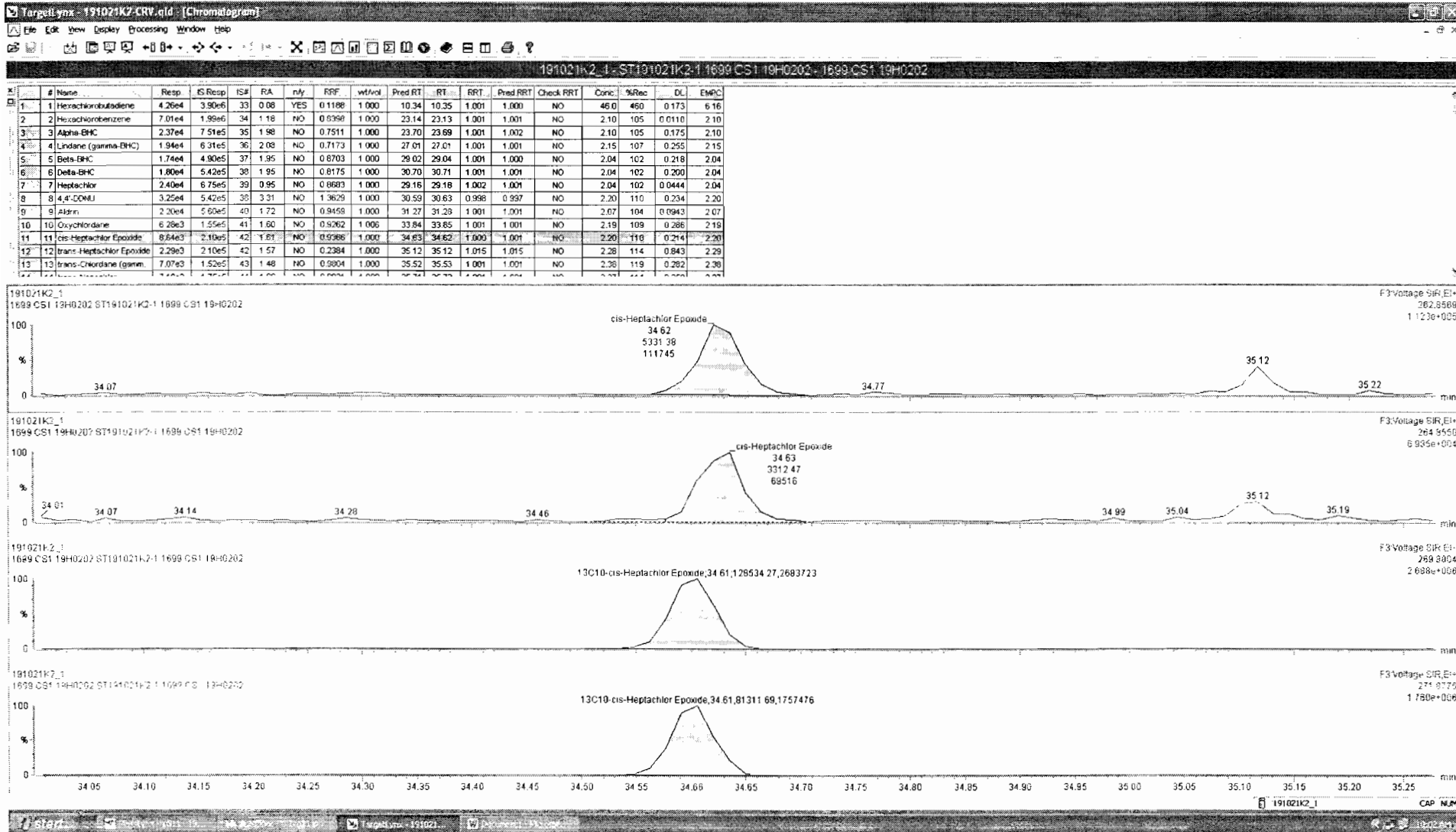
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1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

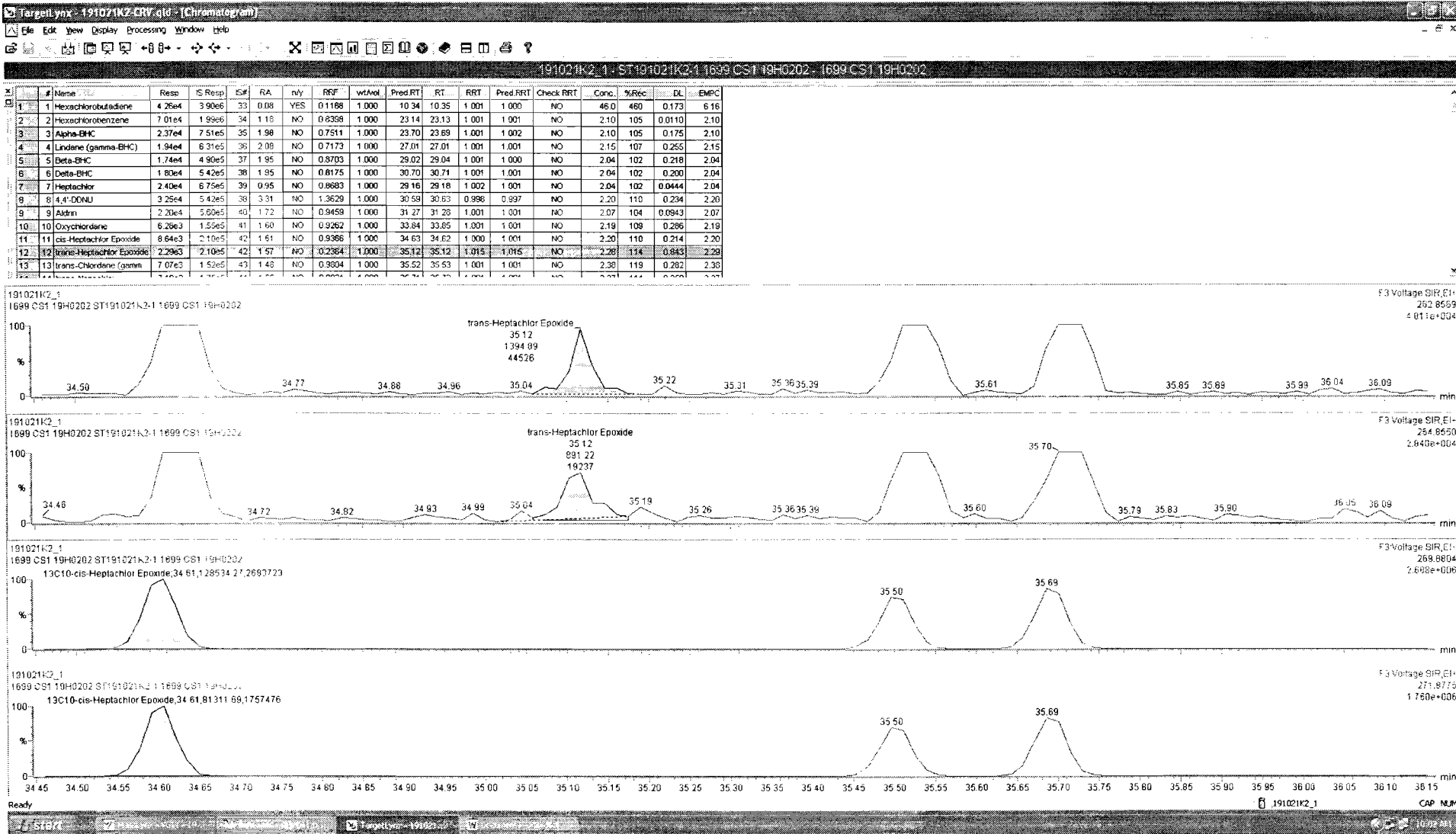
F3:Voltage SIR,EI+
271.8775
3.983e+006

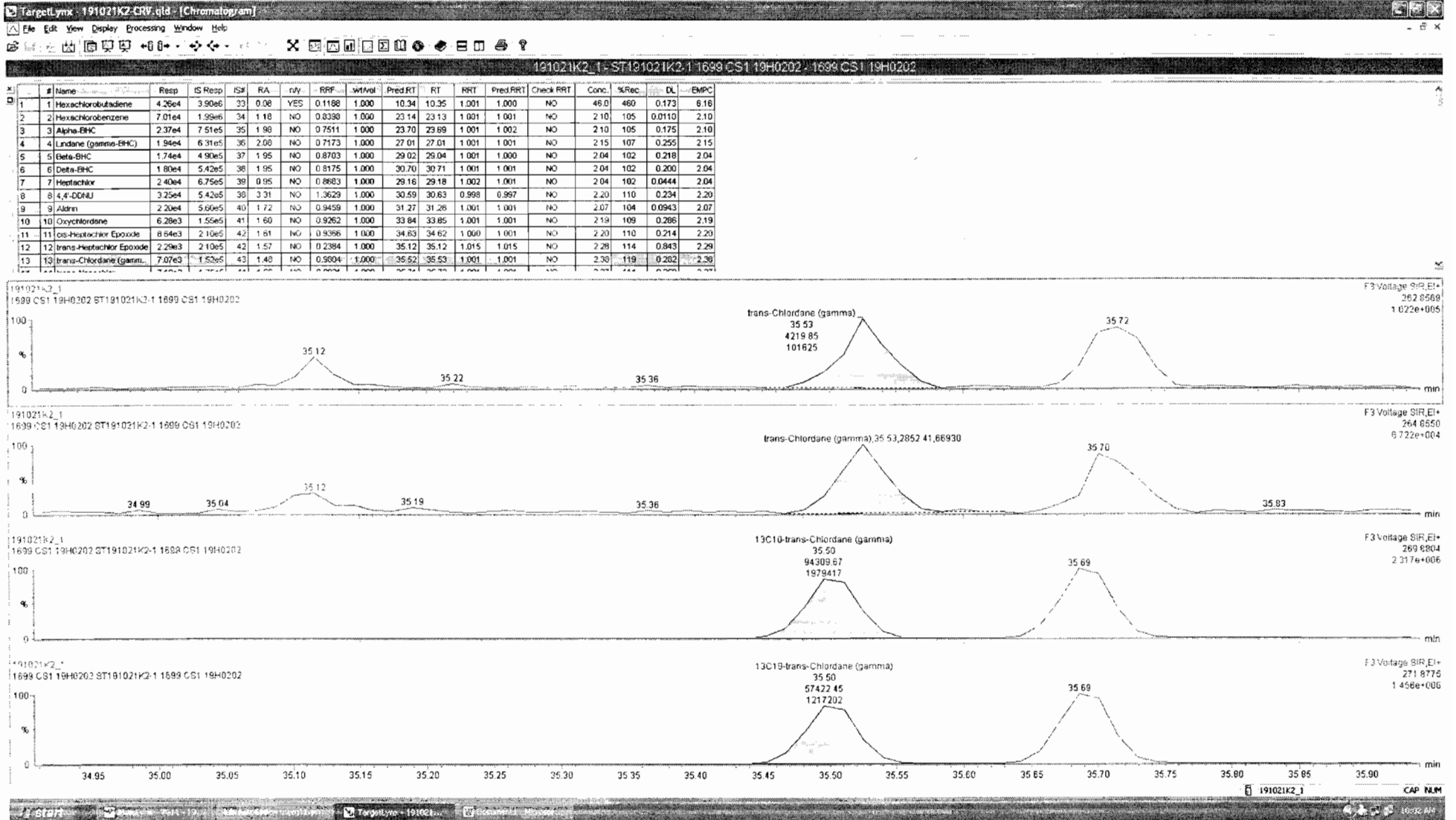


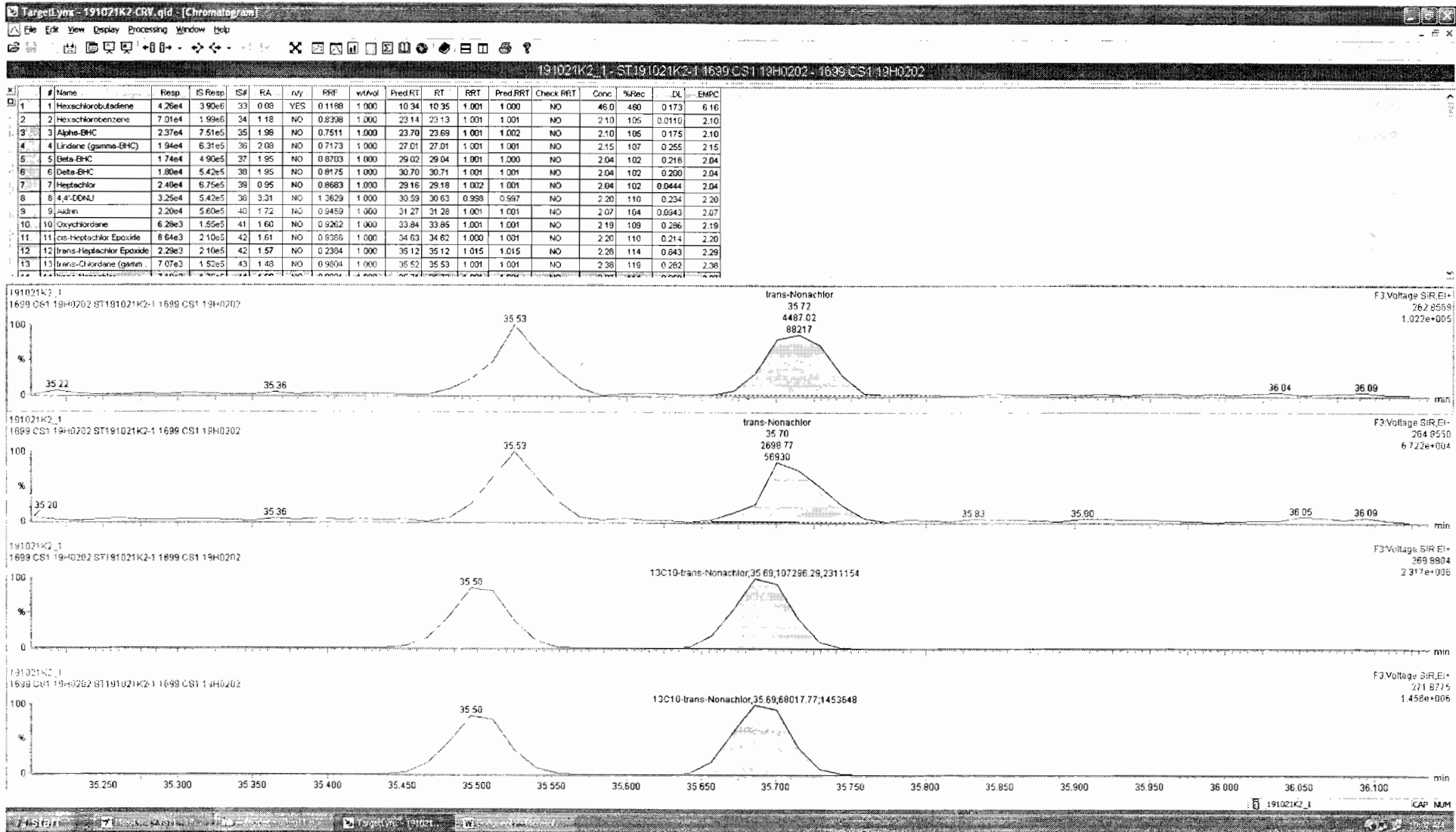


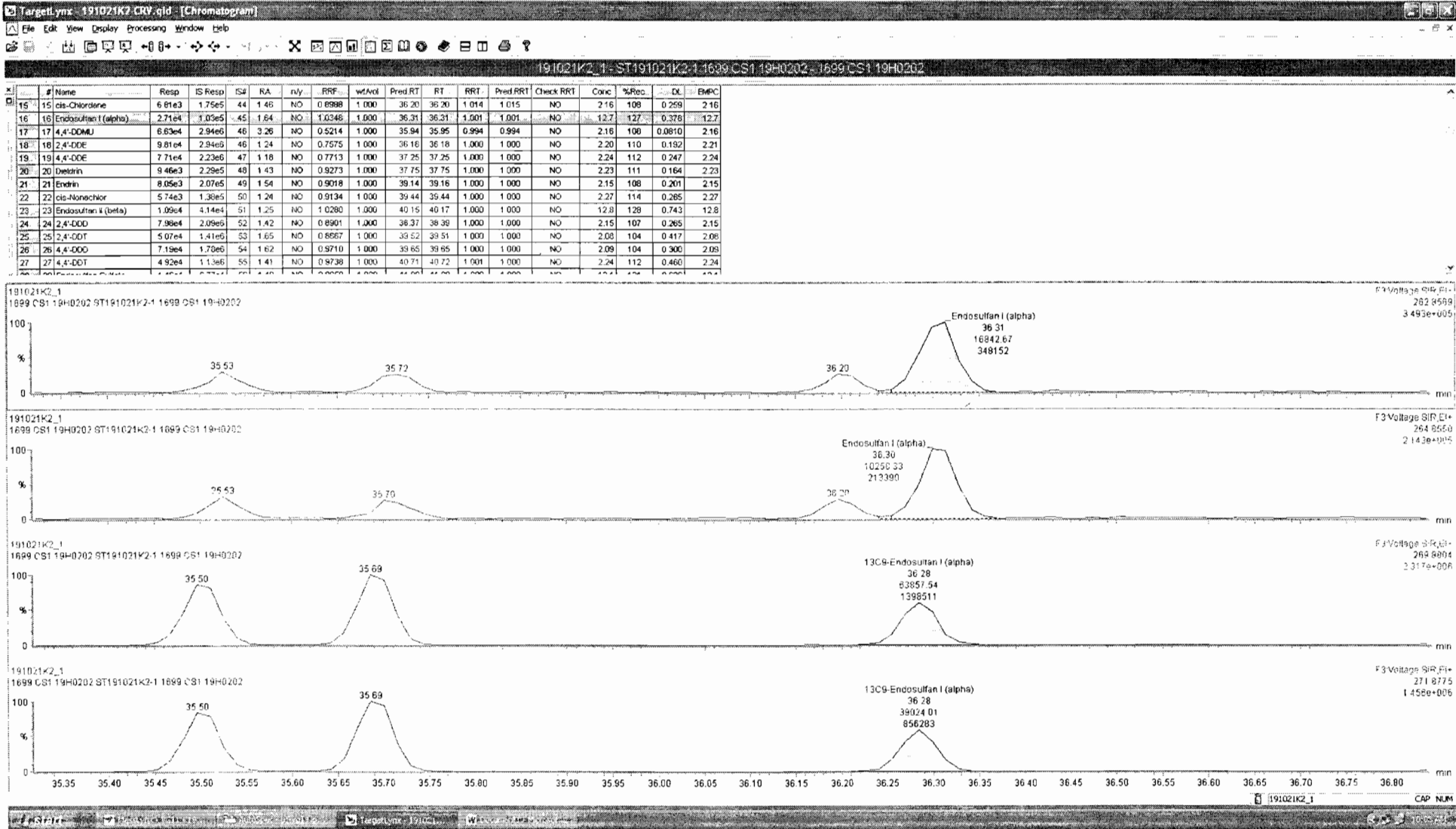












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Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

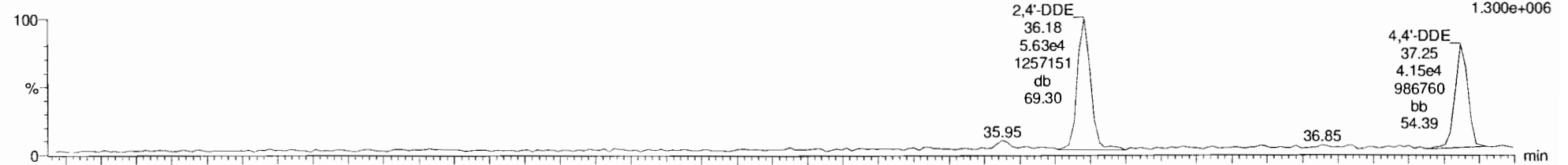
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Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

DDMU-DDE

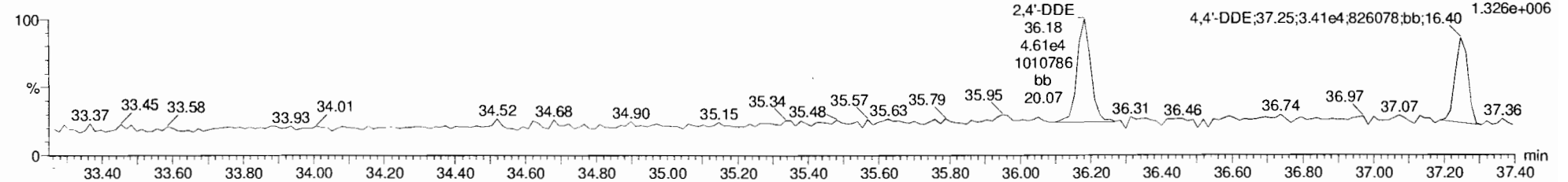
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
246.0003
1.300e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

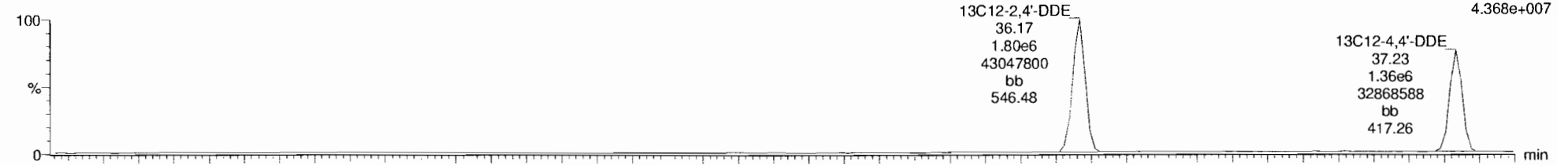
F3:Voltage SIR,EI+
247.9974
1.326e+006



DDE-isotopes

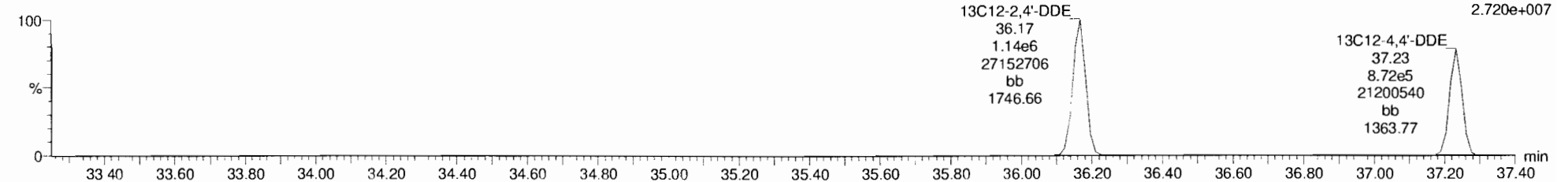
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

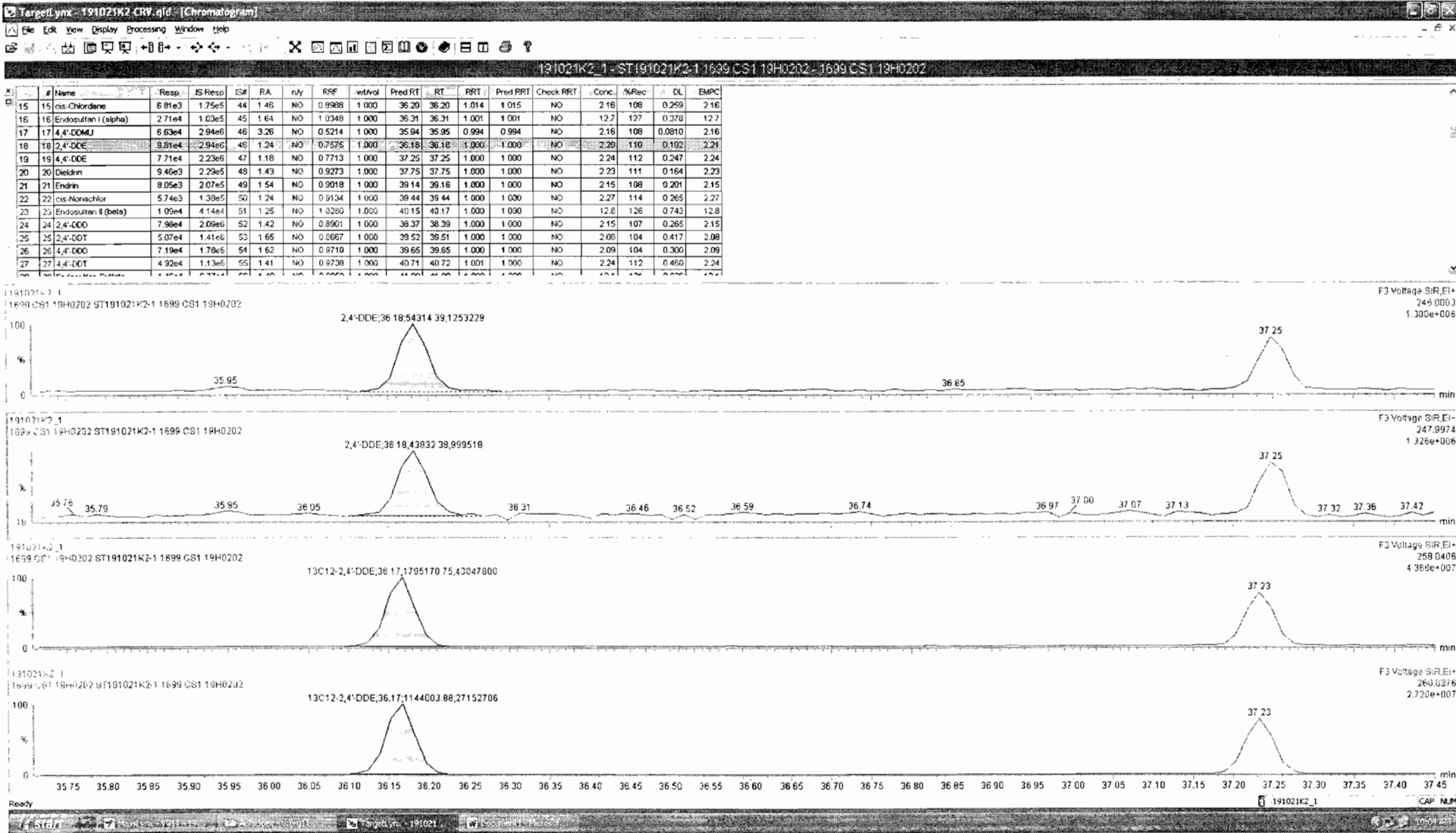
F3:Voltage SIR,EI+
258.0406
4.368e+007

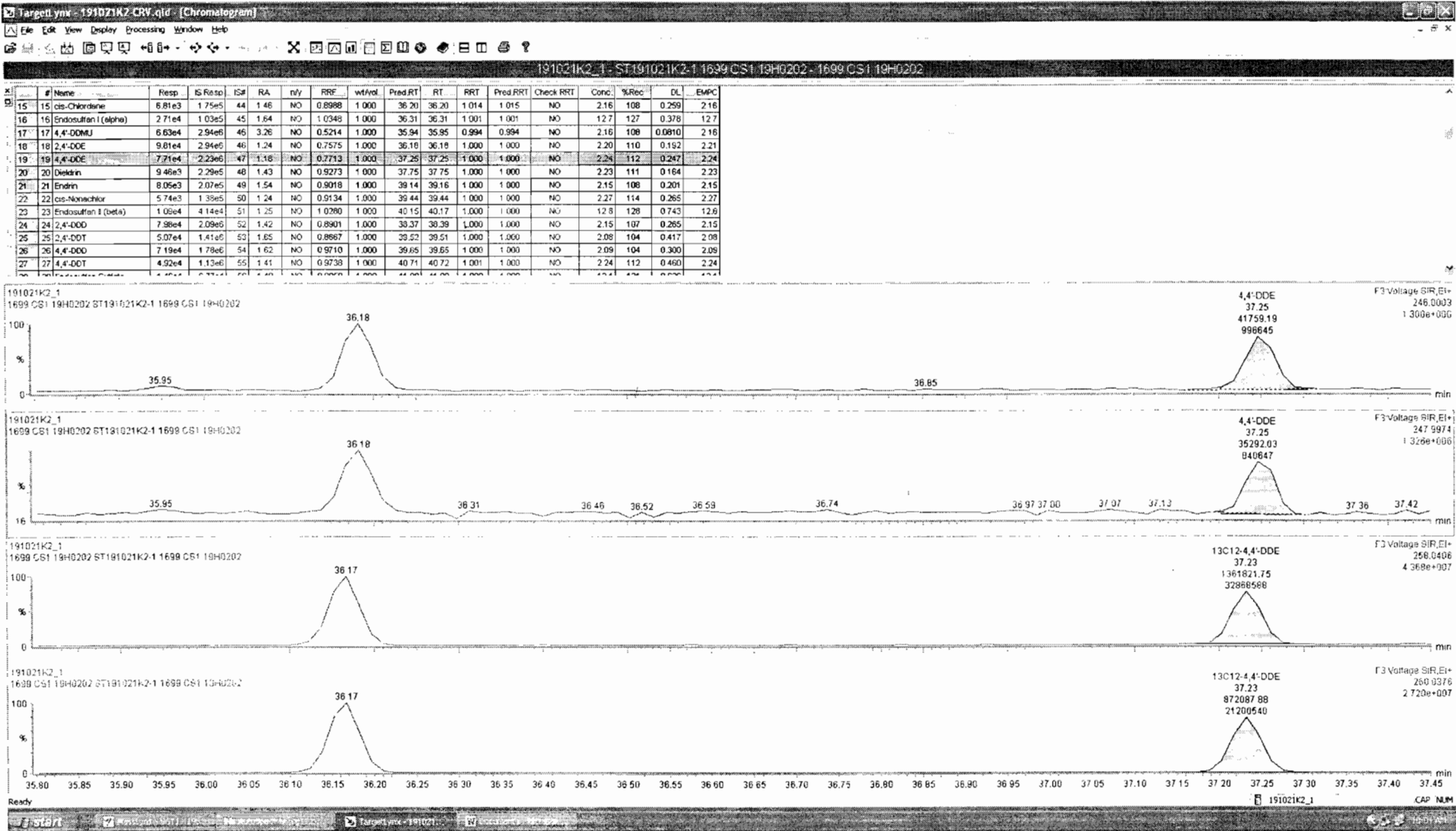


191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
260.0376
2.720e+007







Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

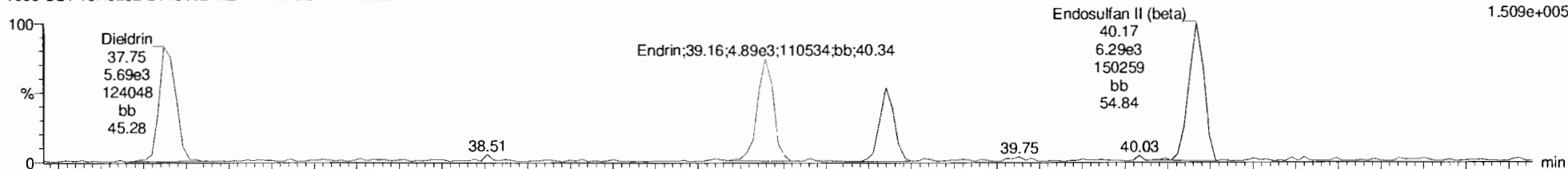
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Dieldrin-EII

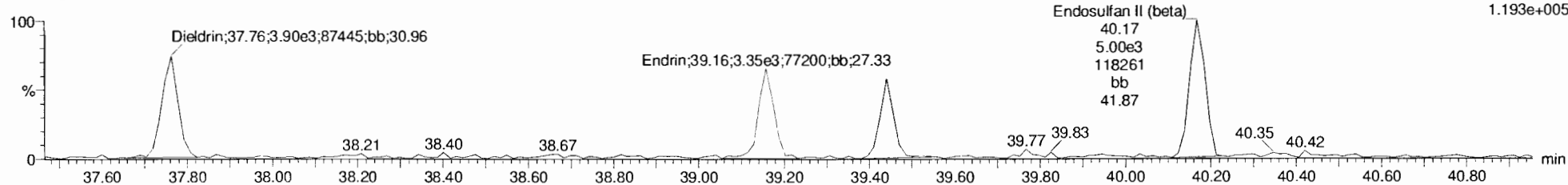
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
262.8569
1.509e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

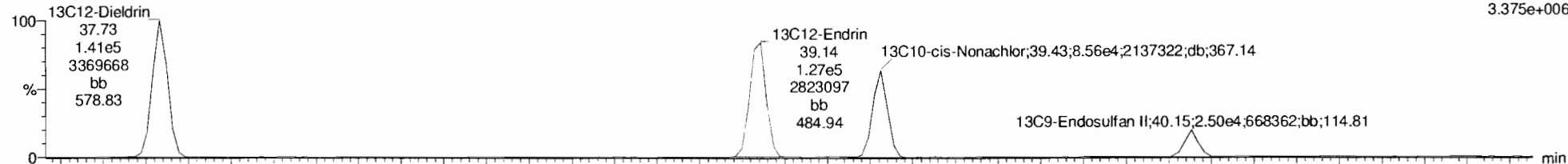
F4:Voltage SIR,EI+
264.8550
1.193e+005



Dieldrin-EII-isotopes

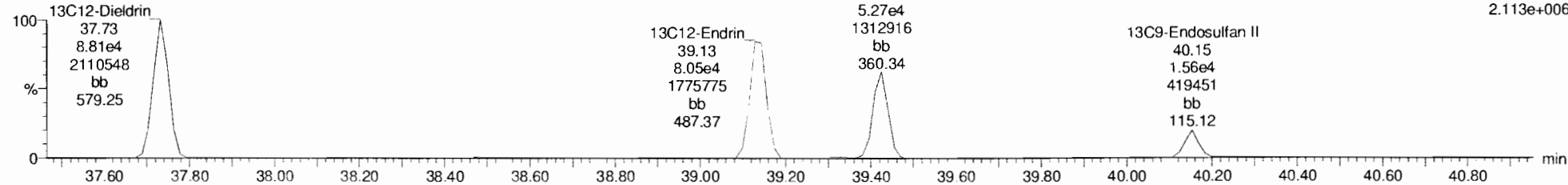
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

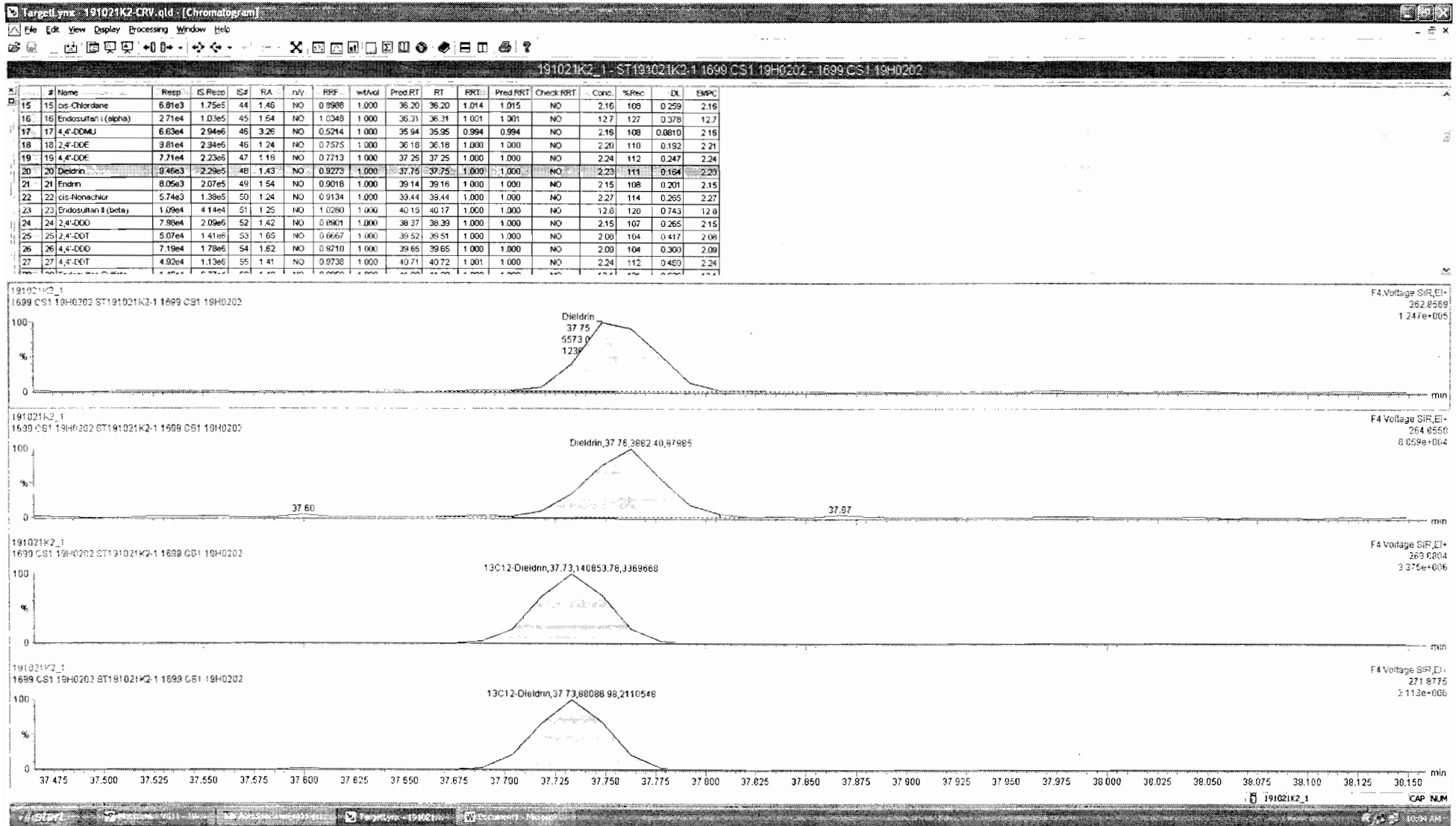
F4:Voltage SIR,EI+
269.8804
3.375e+006

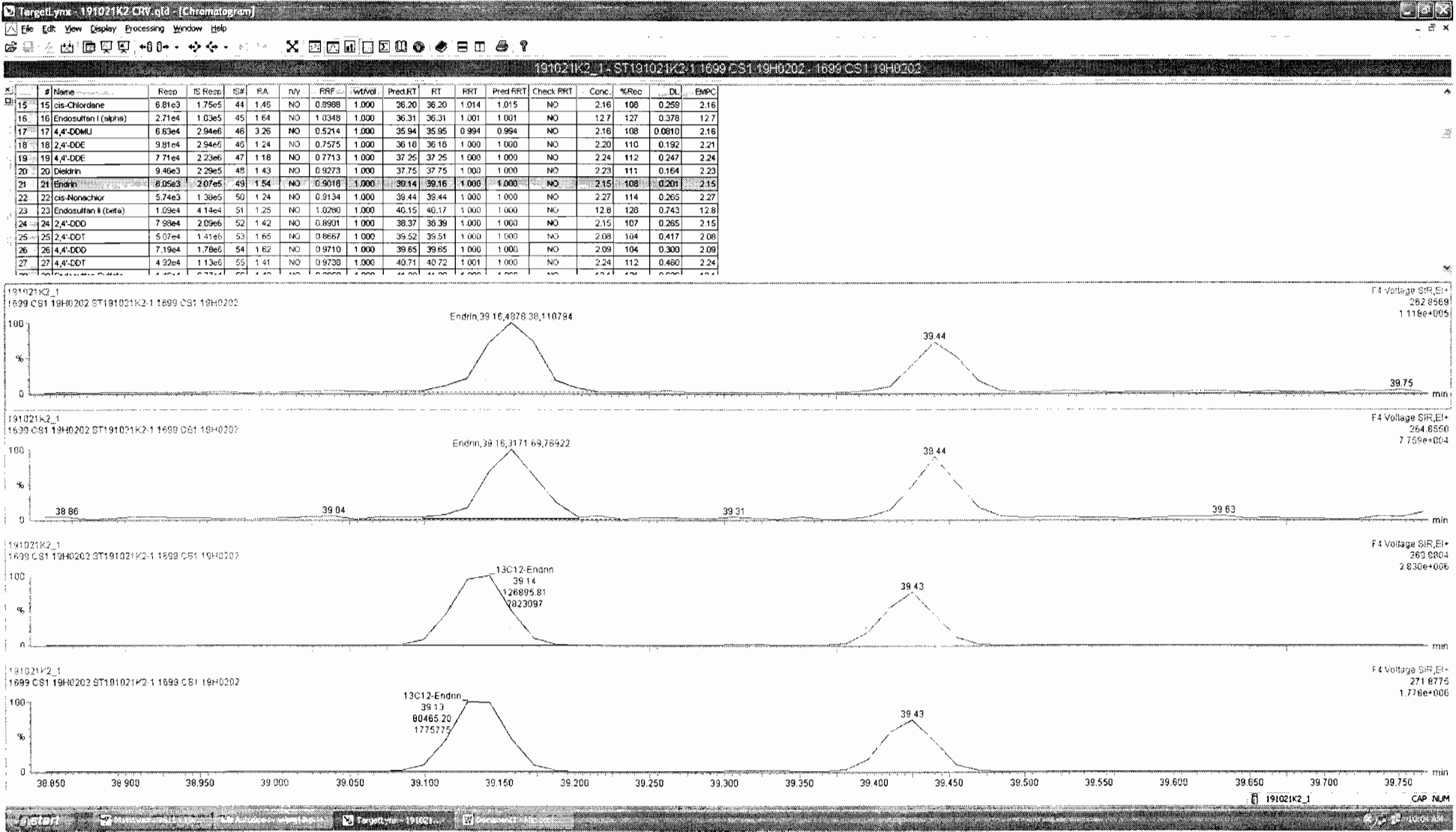


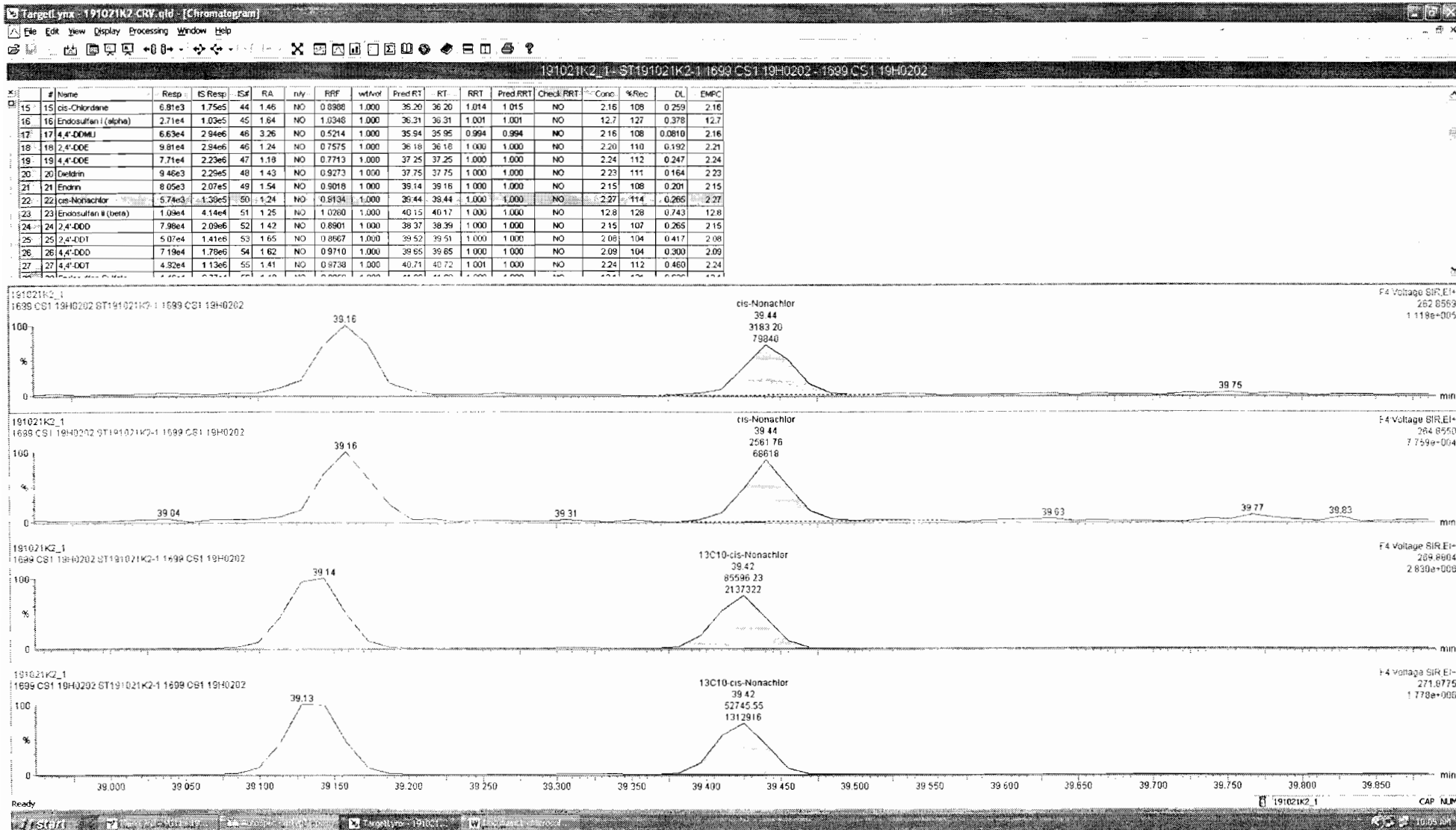
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

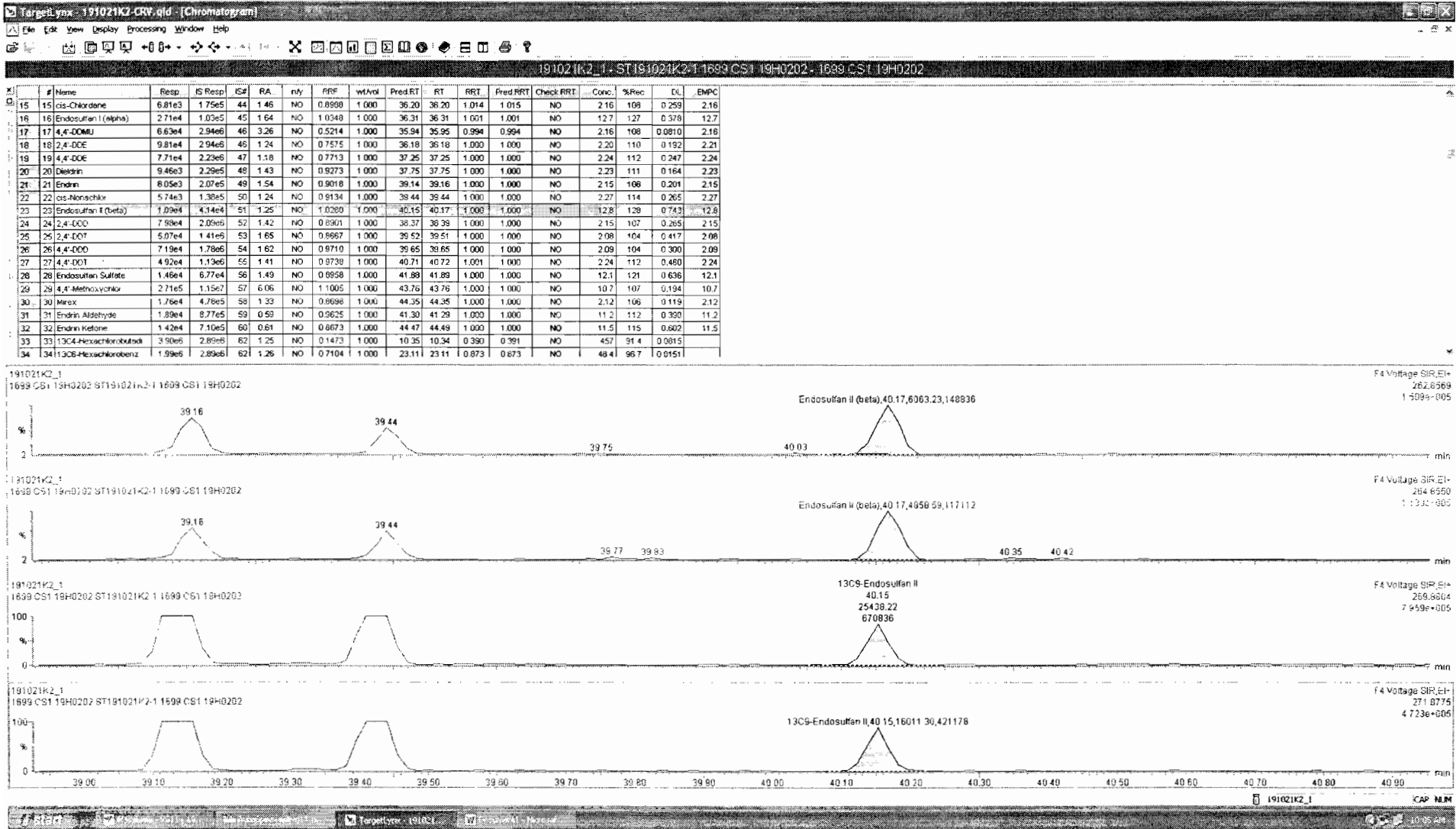
F4:Voltage SIR,EI+
271.8775
2.113e+006









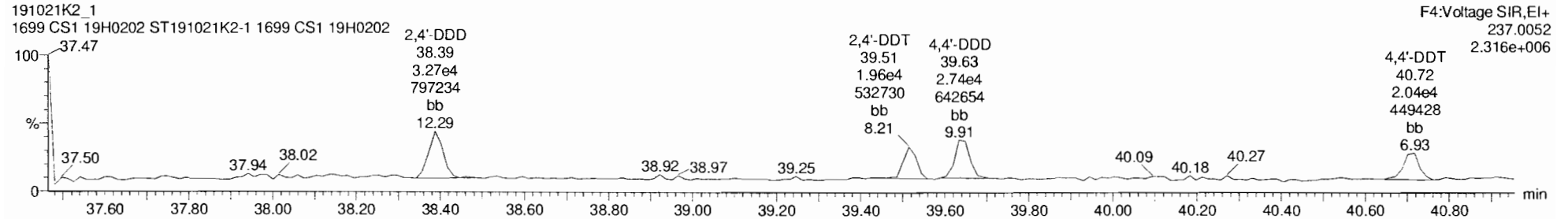
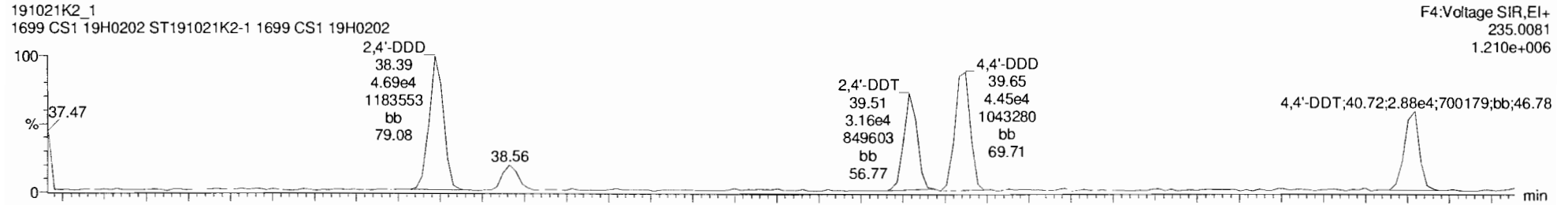


Dataset: Untitled

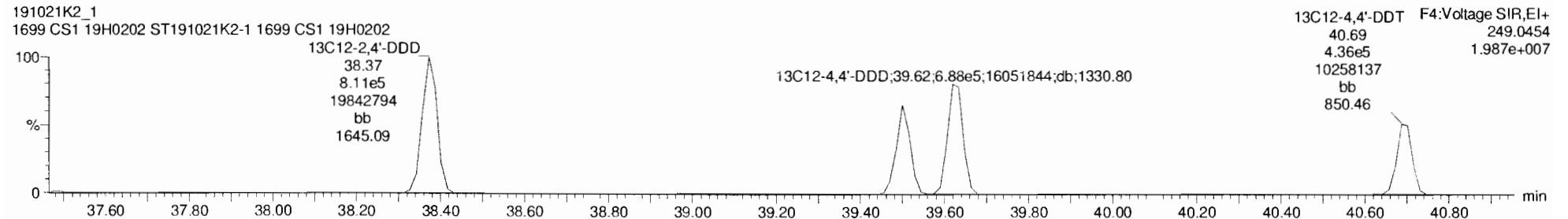
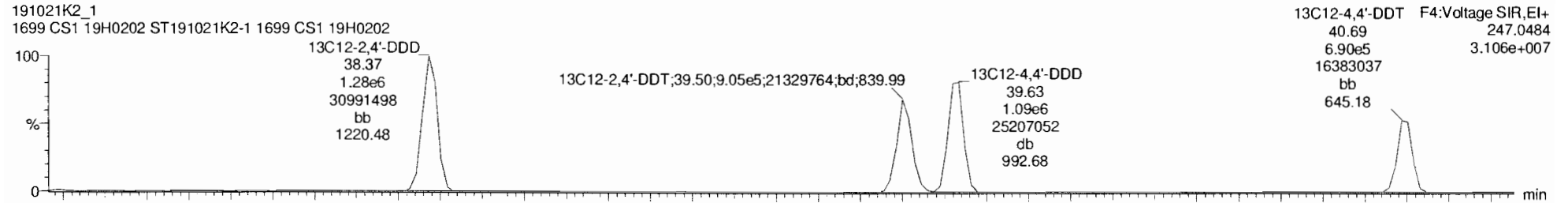
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

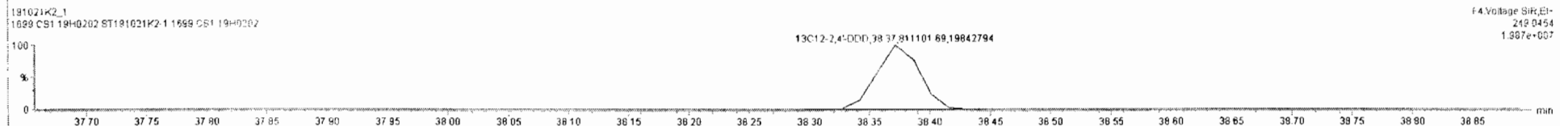
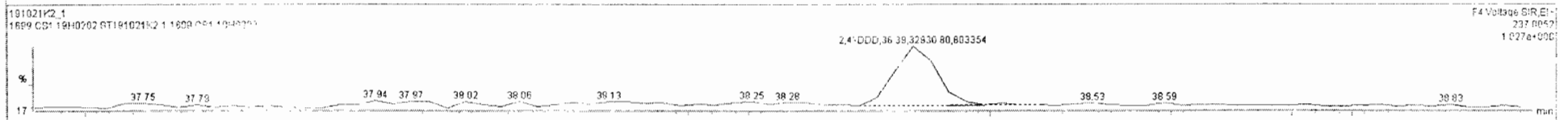
DDD-DDT

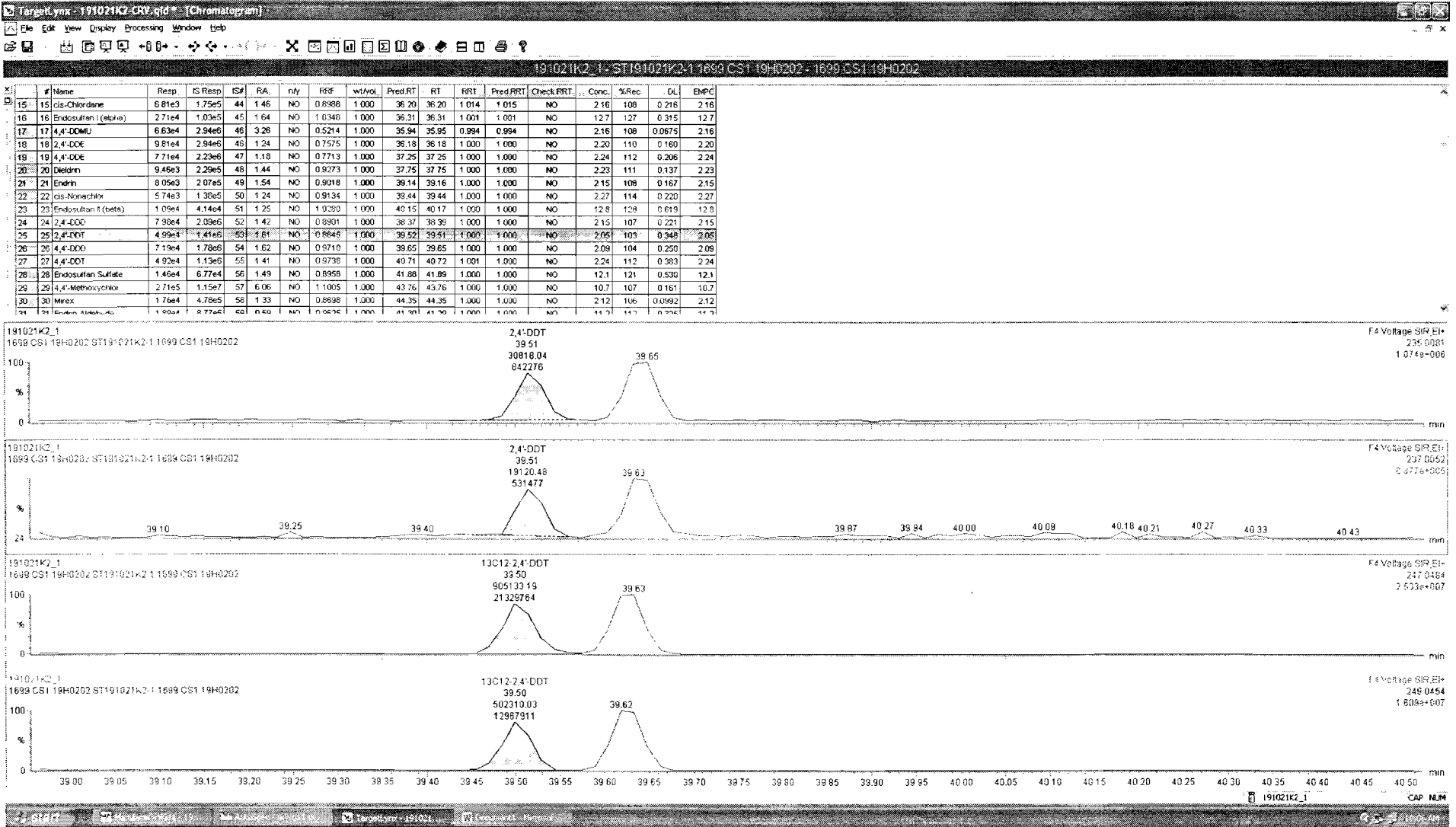


DDD-DDT-isotopes



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	WtAveI	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
15	15 cis-Chlordane	6.81e3	1.75e5	44	1.45	NO	0.8998	1.000	36.20	36.20	1.014	1.015	NO	2.16	108	0.259	2.16
16	16 Endosulfan I (alpha)	2.71e4	1.03e5	45	1.64	NO	1.0348	1.000	36.31	36.31	1.001	1.001	NO	12.7	127	0.378	12.7
17	17 4,4'-DDMU	8.63e4	2.94e6	46	3.26	NO	0.5214	1.000	35.94	35.95	0.994	0.994	NO	2.16	108	0.0810	2.16
18	18 2,4'-DCE	9.81e4	2.94e6	46	1.24	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	2.20	110	0.192	2.21
19	19 4,4'-DOE	7.71e4	2.23e6	47	1.18	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	2.24	112	0.247	2.24
20	20 Dieldrin	9.46e3	2.29e5	48	1.43	NO	0.9273	1.000	37.75	37.75	1.000	1.000	NO	2.23	111	0.164	2.23
21	21 Endrin	8.05e3	2.07e5	49	1.54	NO	0.9018	1.000	39.14	39.16	1.000	1.000	NO	2.15	108	0.201	2.15
22	22 cis-Nonachlor	5.74e3	1.39e5	50	1.24	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	2.27	114	0.265	2.27
23	23 Endosulfan II (beta)	1.09e4	4.14e4	51	1.25	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	12.8	128	0.743	12.8
24	24 2,4'-DDD	7.98e4	2.09e6	52	1.42	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	2.16	107	0.265	2.15
25	25 2,4'-DOT	5.07e4	1.41e5	53	1.65	NO	0.8667	1.000	39.52	39.51	1.000	1.000	NO	2.08	104	0.417	2.08
26	26 4,4'-DDD	7.19e4	1.78e5	54	1.62	NO	0.9710	1.000	39.65	39.65	1.000	1.000	NO	2.09	104	0.300	2.09
27	27 4,4'-DOT	4.52e4	1.13e5	55	1.41	NO	0.9738	1.000	40.71	40.72	1.001	1.000	NO	2.24	112	0.460	2.24
28	28 Endosulfan Sulfate	1.46e4	6.77e4	56	1.49	NO	0.8958	1.000	41.88	41.89	1.000	1.000	NO	12.1	121	0.636	12.1
29	29 4,4'-Methoxychlor	2.71e5	1.15e7	57	6.06	NO	1.1005	1.000	43.76	43.76	1.000	1.000	NO	10.7	107	0.194	10.7
30	30 Mirex	1.76e4	4.78e5	58	1.33	NO	0.8698	1.000	44.35	44.35	1.000	1.000	NO	2.12	106	0.119	2.12
31	31 Endrin Aldehyde	1.95e4	6.77e5	59	0.60	MS	0.6874	1.000	41.36	41.36	1.000	1.000	MS	11.5	115	0.300	11.5





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

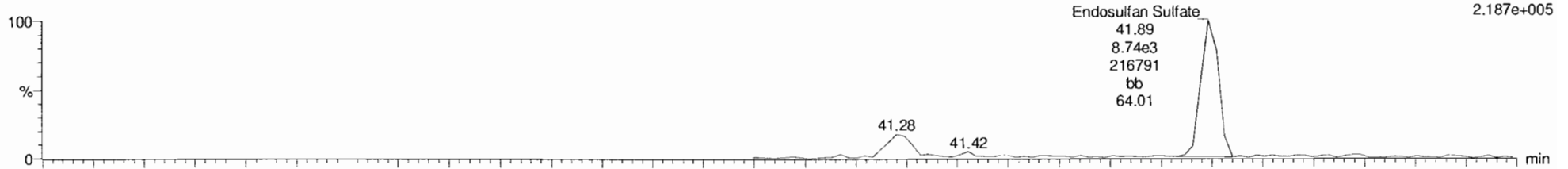
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Endosulfan Sulfate

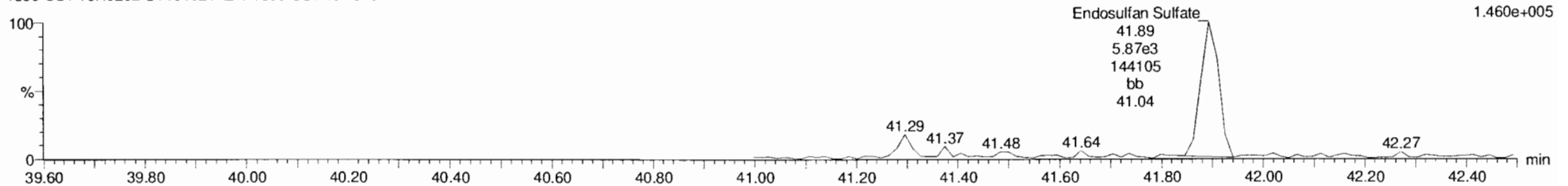
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
262.8569
2.187e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

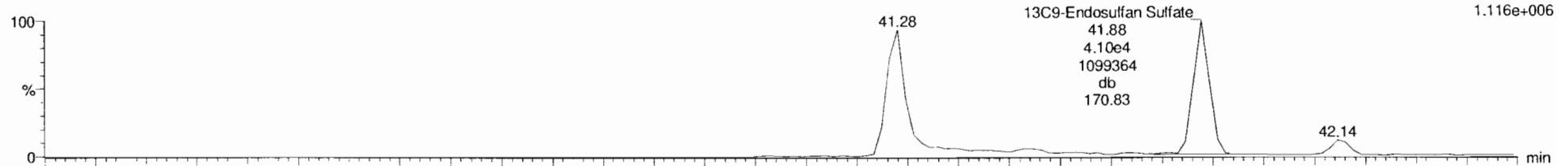
F5:Voltage SIR,EI+
264.8540
1.460e+005



¹³C9-Endosulfan Sulfate

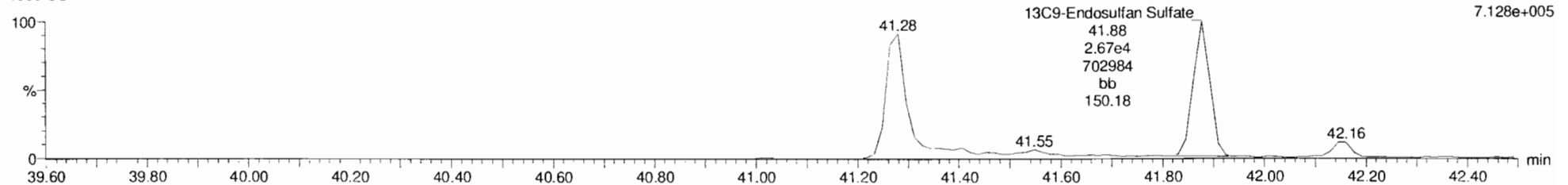
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
269.8804
1.116e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
271.8775
7.128e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

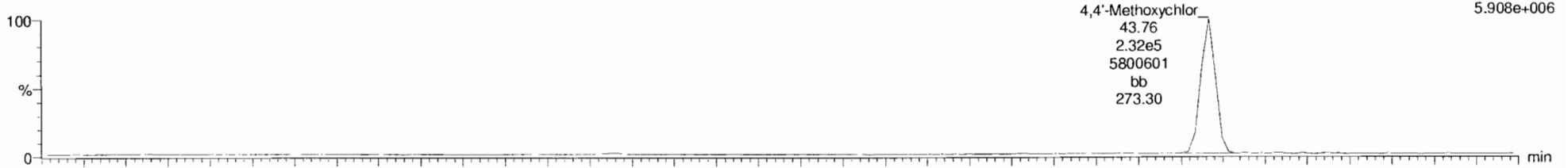
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

4,4'-Methoxychlor

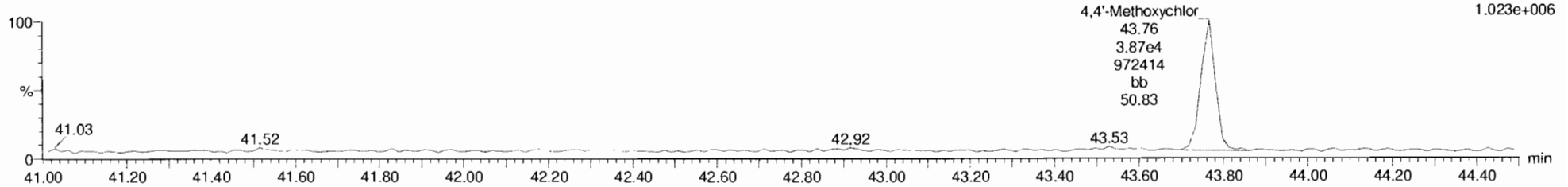
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,El+
227.1072
5.908e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

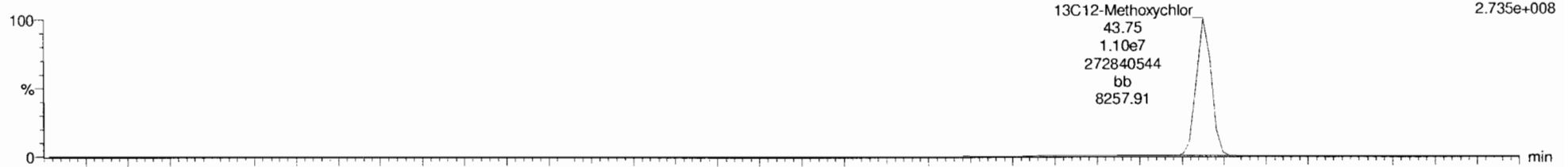
F5:Voltage SIR,El+
228.1106
1.023e+006



13C12-Methoxychlor

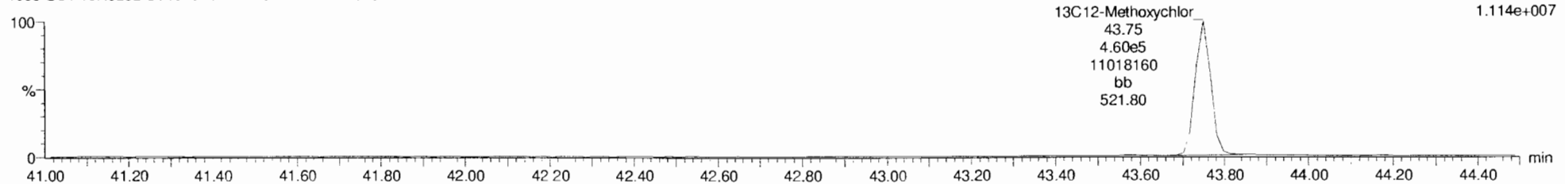
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

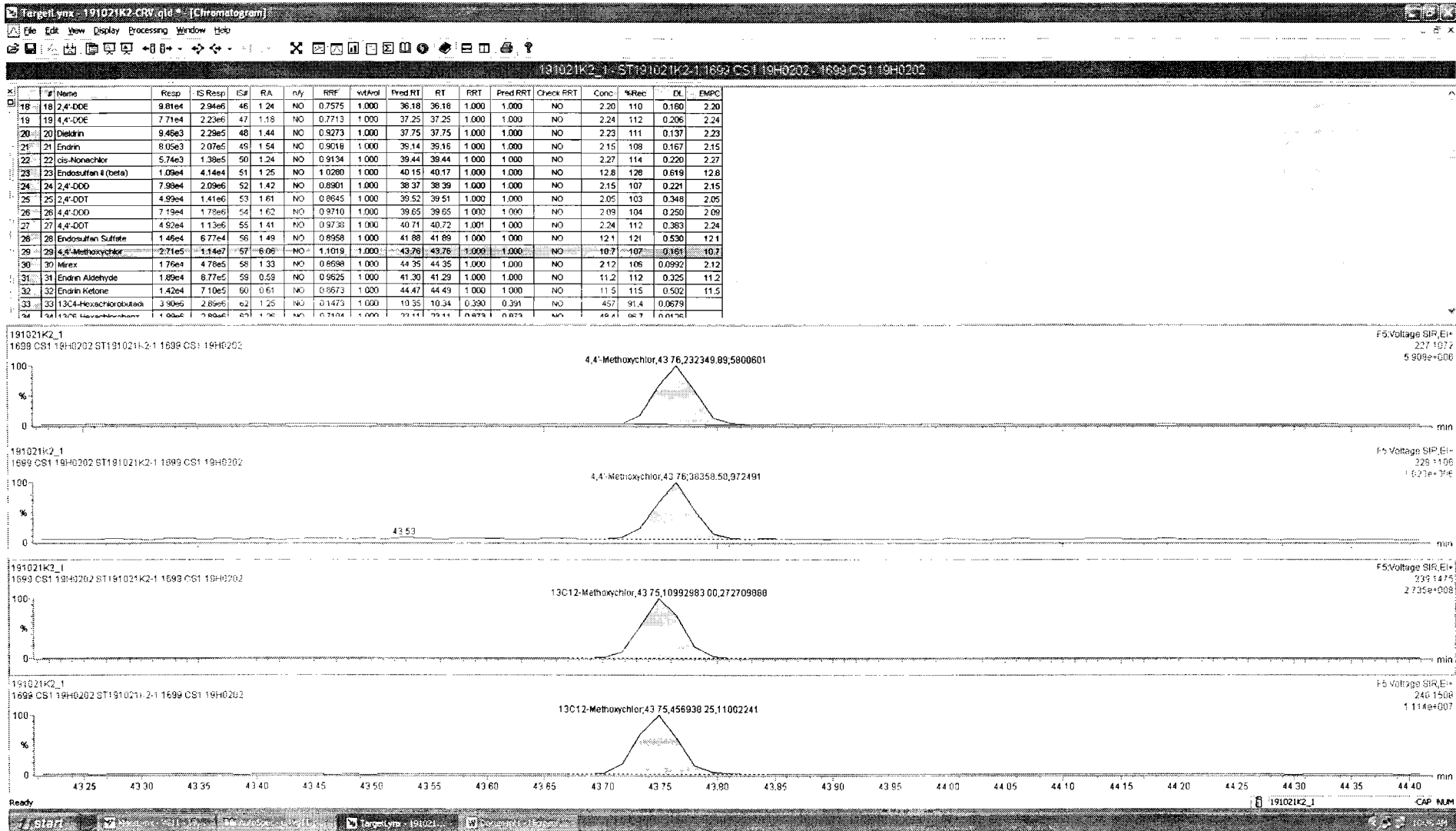
F5:Voltage SIR,El+
239.1475
2.735e+008



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,El+
240.1508
1.114e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

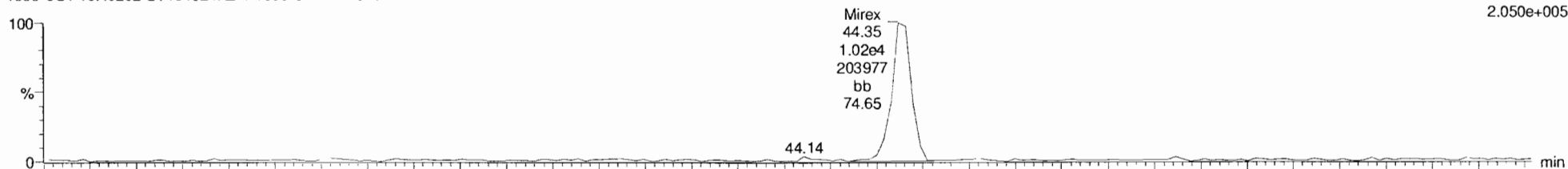
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Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

Mirex

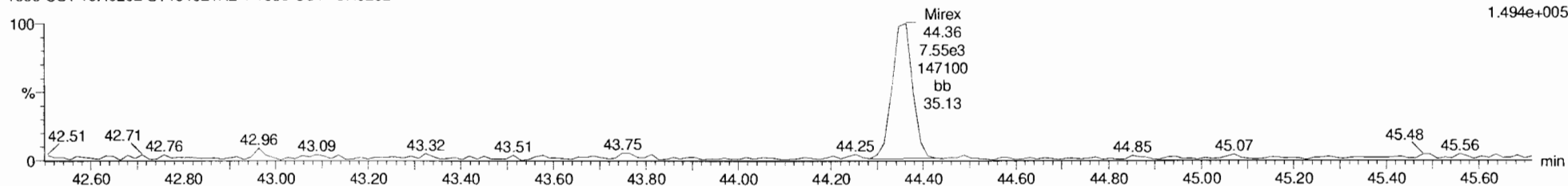
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
236.8413
2.050e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

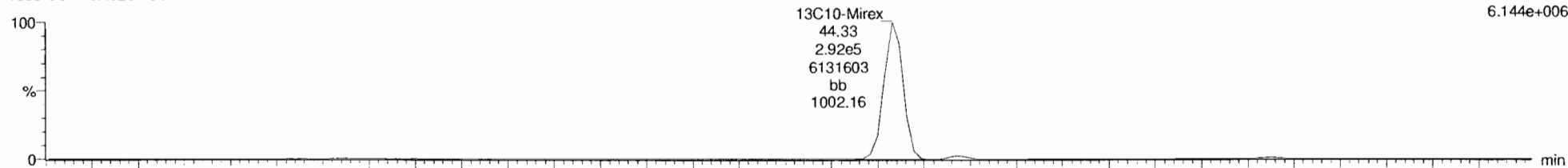
F5:Voltage SIR,EI+
238.8384
1.494e+005



13C10-Mirex

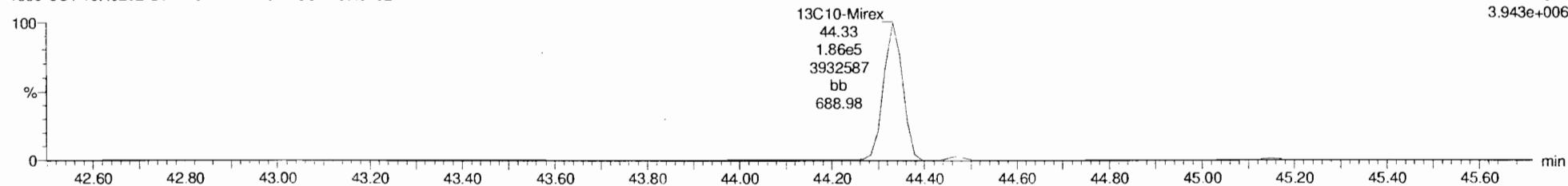
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

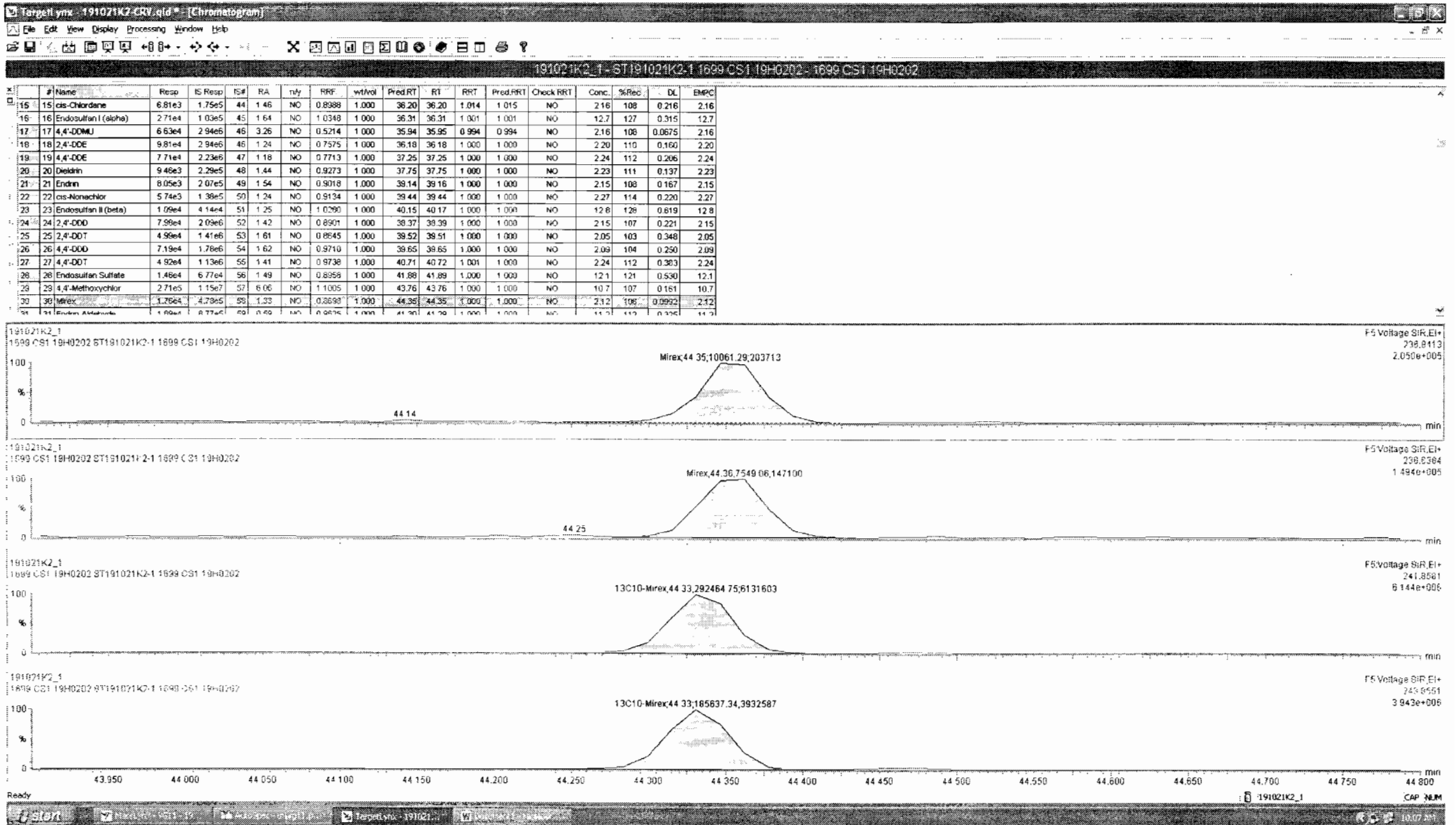
F5:Voltage SIR,EI+
241.8581
6.144e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
243.8551
3.943e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

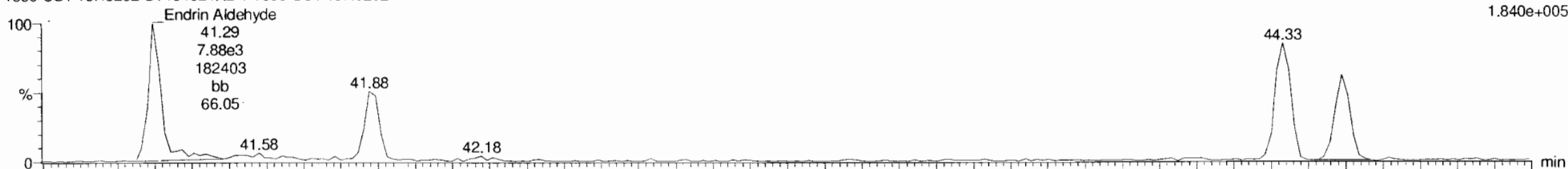
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

EA-EK

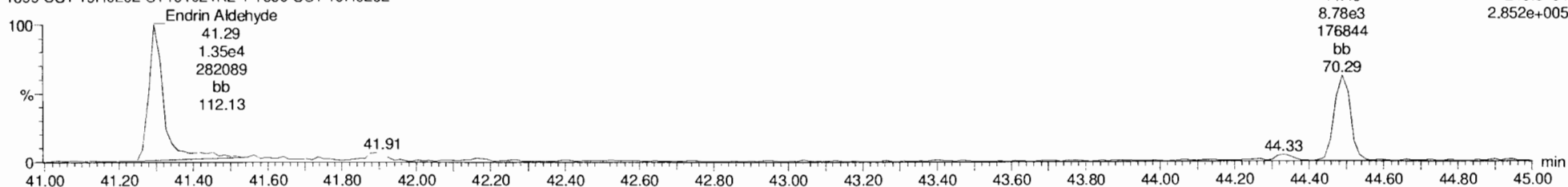
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
247.8521
1.840e+005



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

Endrin Ketone
44.49
8.78e3
176844
bb
70.29
F5:Voltage SIR,EI+
249.8491
2.852e+005



EA-EK-isotopes

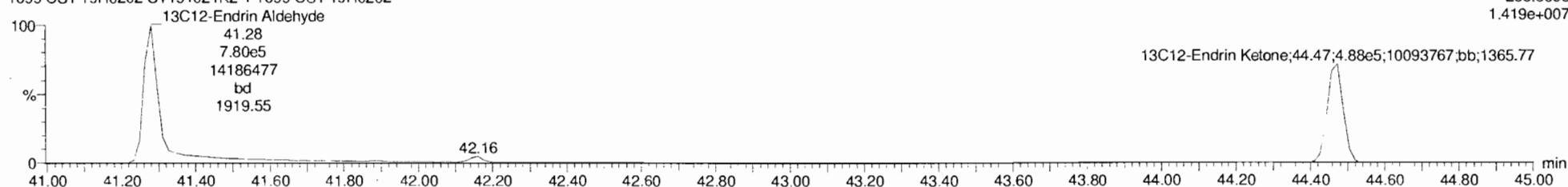
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

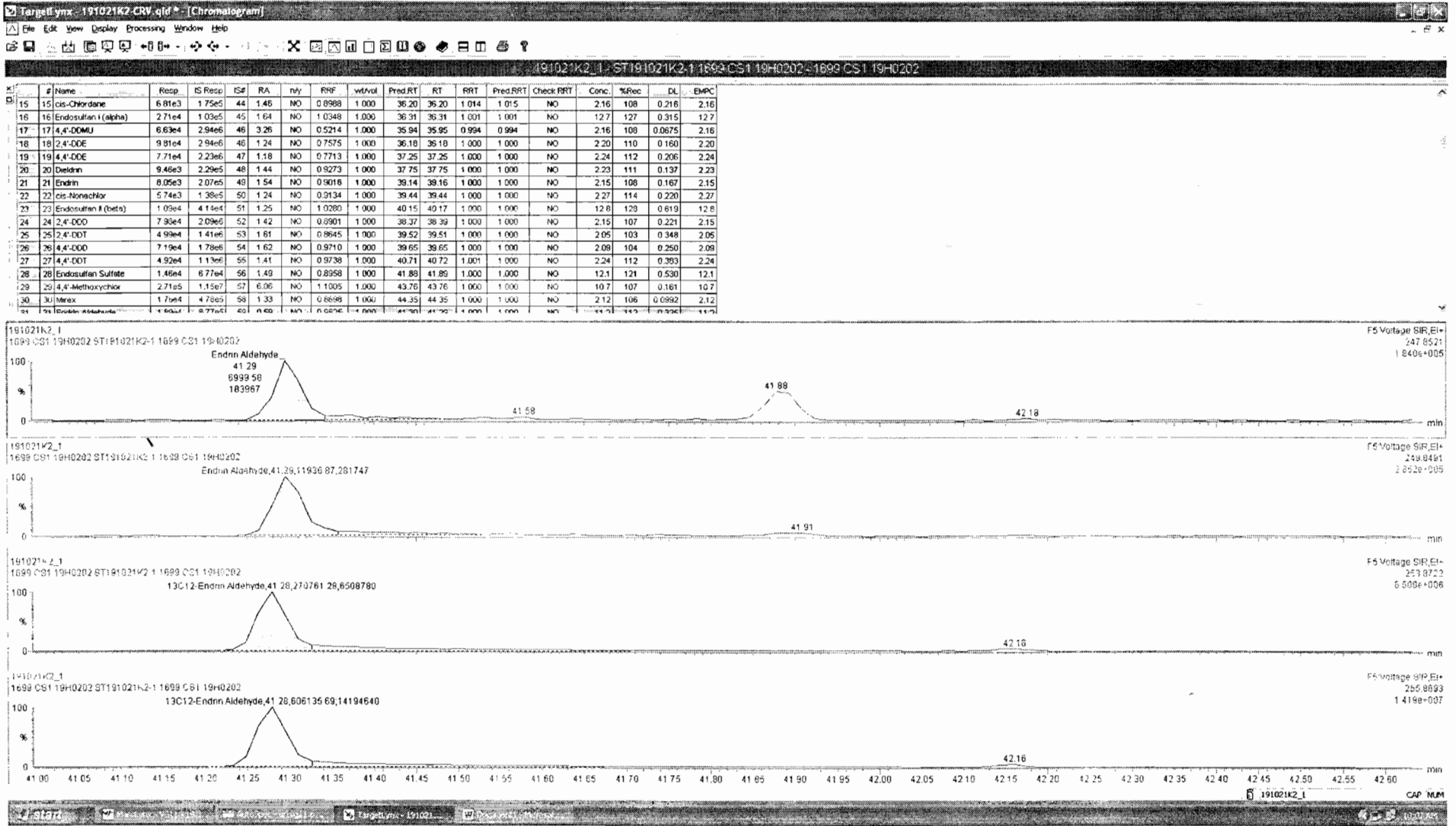
F5:Voltage SIR,EI+
253.8722
6.509e+006



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F5:Voltage SIR,EI+
255.8693
1.419e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

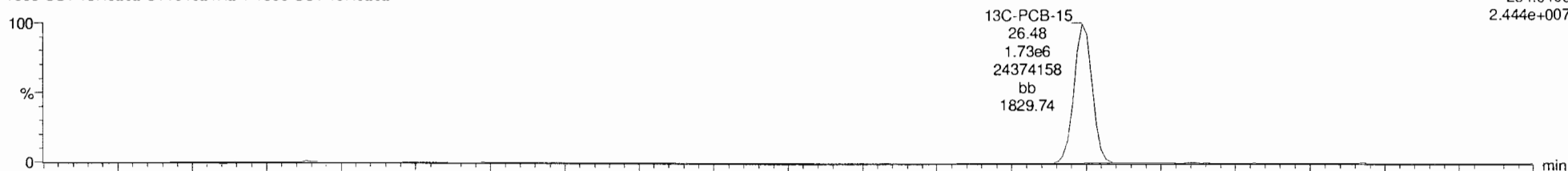
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

13C-PCB-15

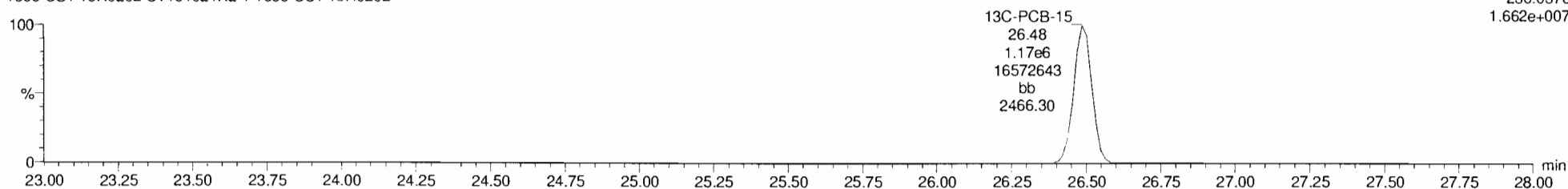
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F2:Voltage SIR,EI+
234.0406
2.444e+007



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

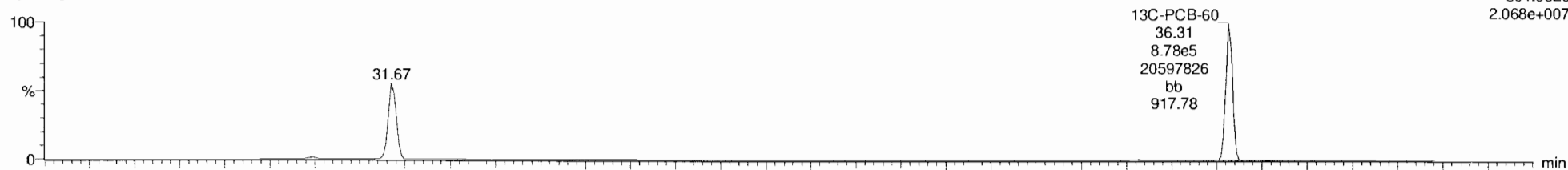
F2:Voltage SIR,EI+
236.0376
1.662e+007



13C-PCB-60

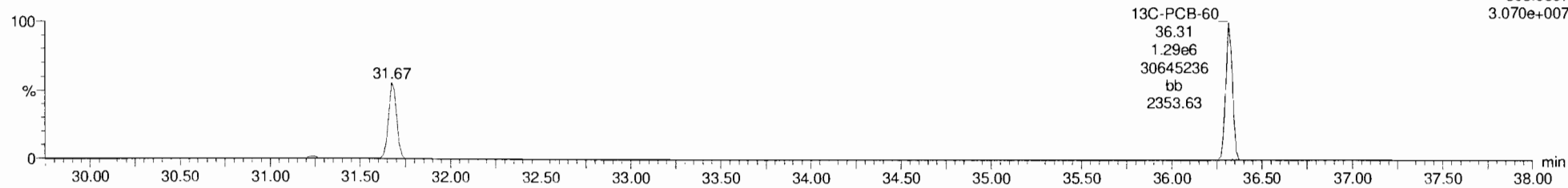
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
301.9626
2.068e+007



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F3:Voltage SIR,EI+
303.9597
3.070e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

13C-PCB-123

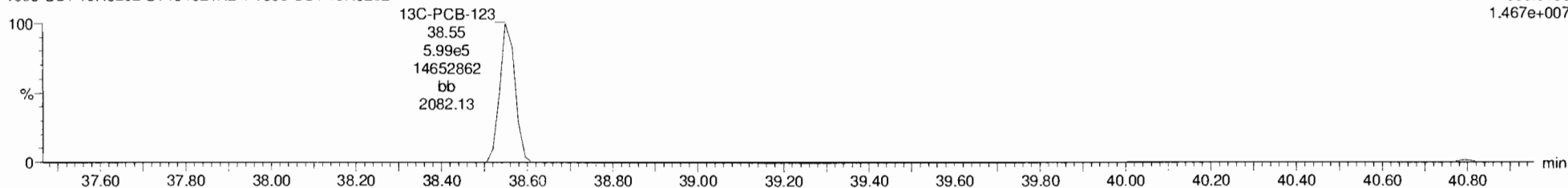
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
337.9210
1.782e+007



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

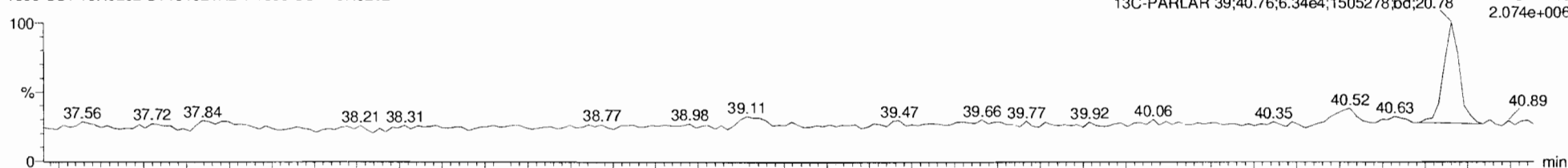
F4:Voltage SIR,EI+
339.9180
1.467e+007



13C-PARLAR 39

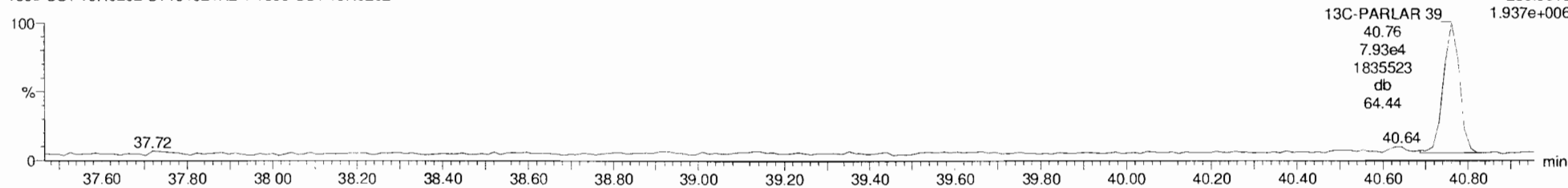
191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
251.9648
2.074e+006
13C-PARLAR 39;40.76;6.34e4;1505278;bd;20.78



191021K2_1
1699 CS1 19H0202 ST191021K2-1 1699 CS1 19H0202

F4:Voltage SIR,EI+
253.9619
1.937e+006



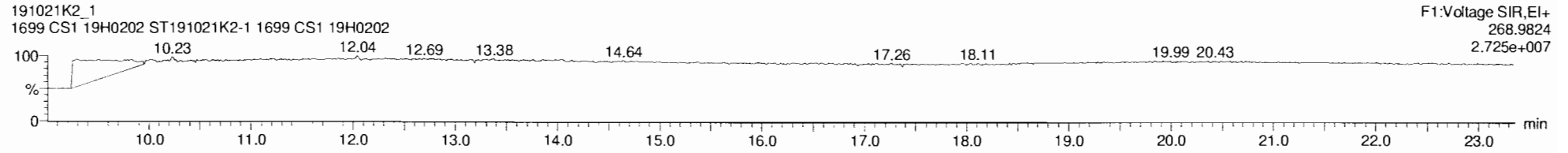
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

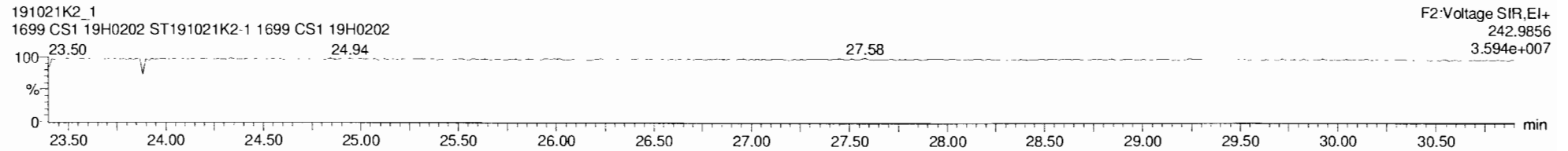
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_1, Date: 21-Oct-2019, Time: 13:00:44, ID: ST191021K2-1 1699 CS1 19H0202, Description: 1699 CS1 19H0202

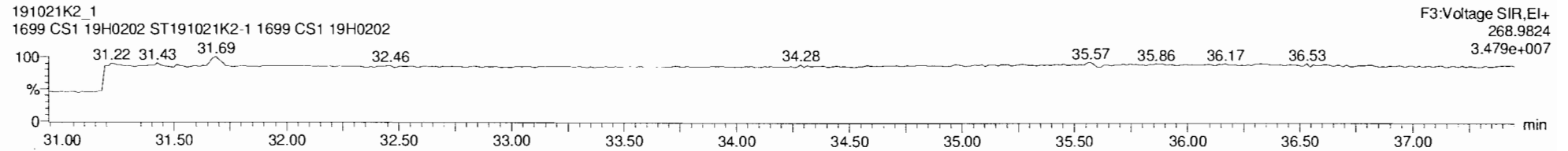
PFK1



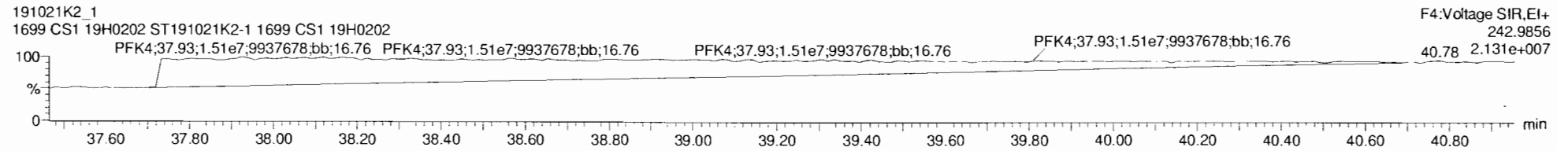
PFK2



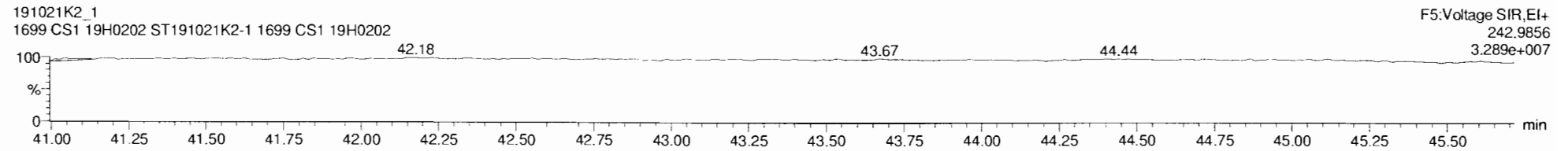
PFK3



PFK4



PFK5



Dataset: Untitled

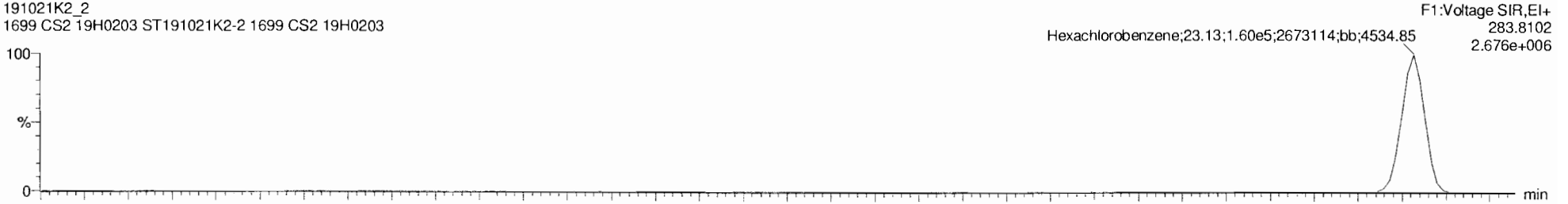
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Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

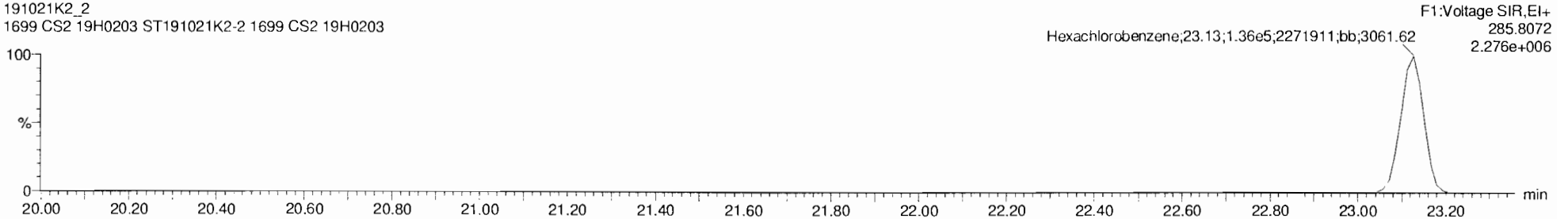
Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Hexachlorobenzene

191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

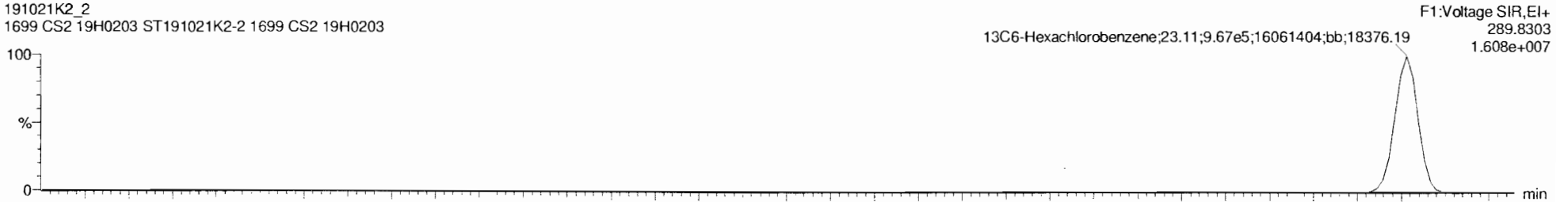


191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

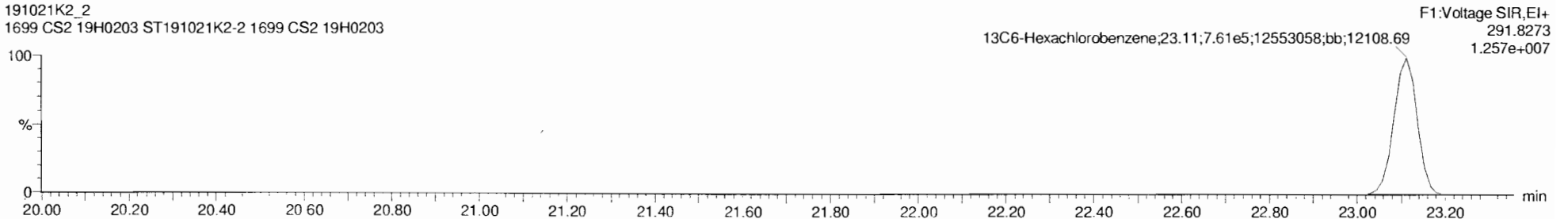


13C6-Hexachlorobenzene

191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

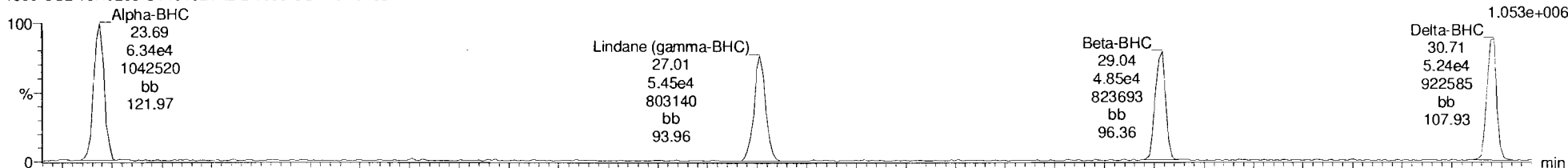
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

BHC Totals

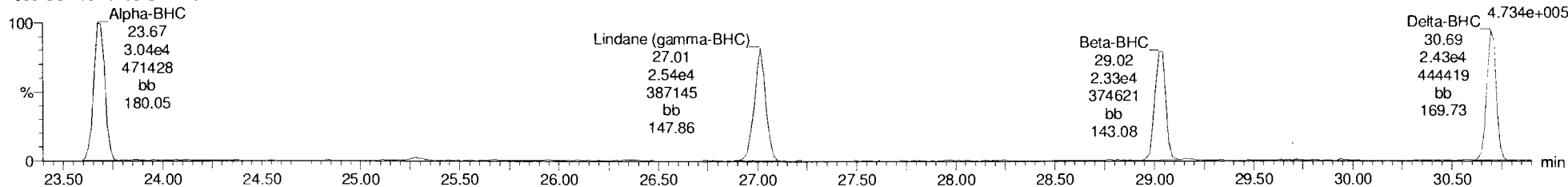
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
218.9116
1.053e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

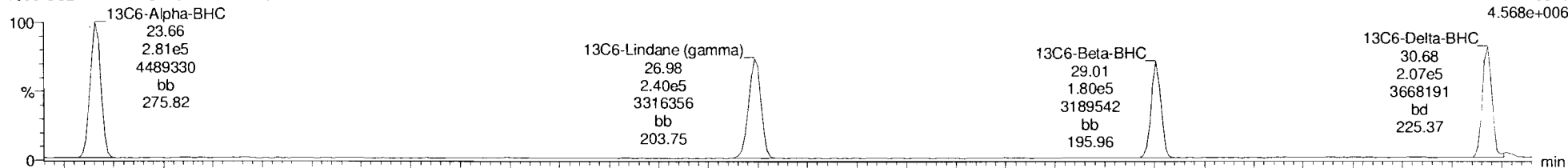
F2:Voltage SIR,EI+
220.9086
4.734e+005



BHC-isotopes

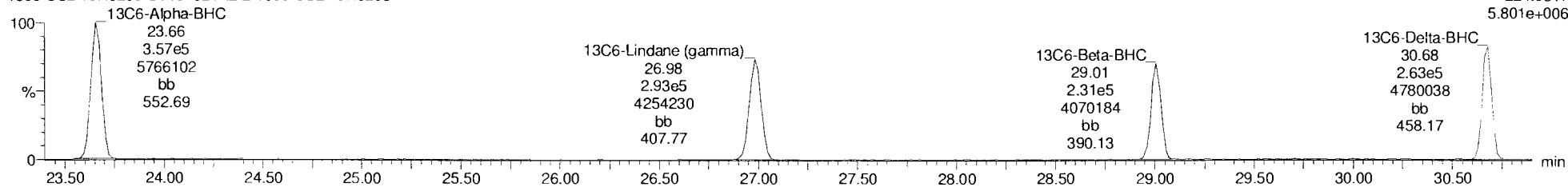
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
222.9346
4.568e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
224.9317
5.801e+006



Dataset: Untitled

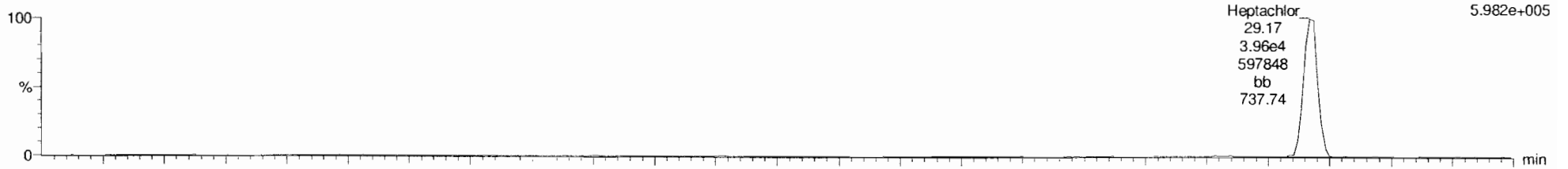
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Heptachlor

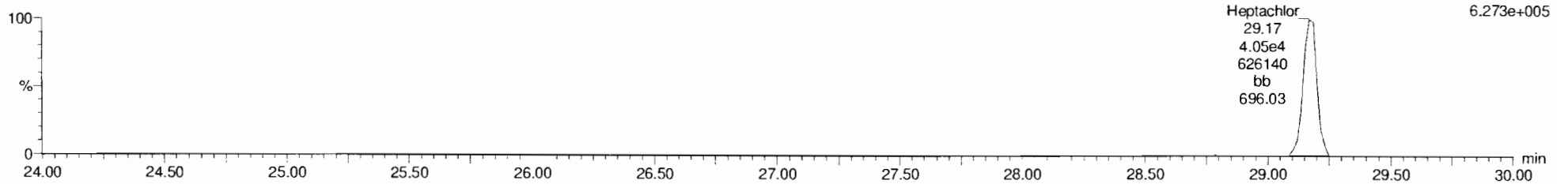
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
271.8102
5.982e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

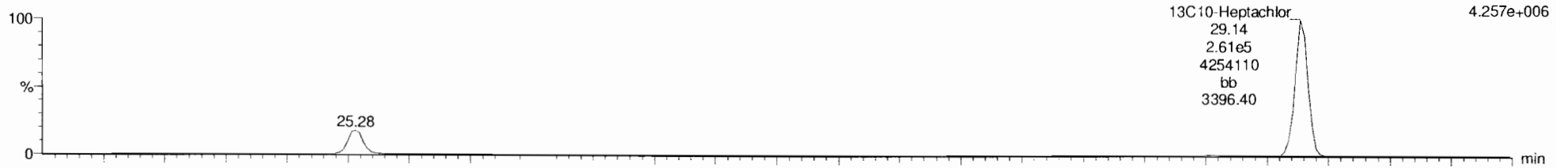
F2:Voltage SIR,EI+
273.8072
6.273e+005



13C10-Heptachlor

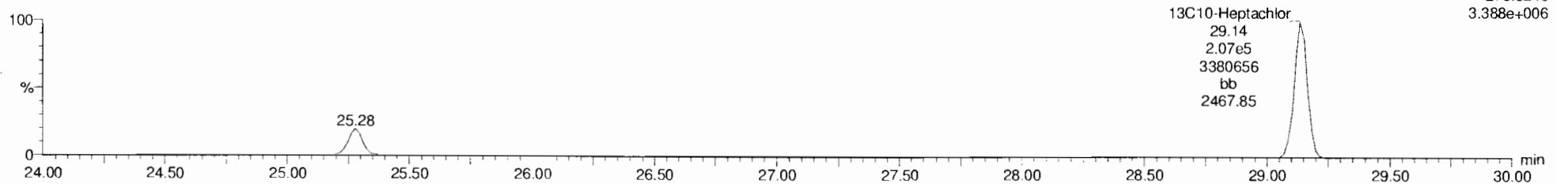
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
276.8269
4.257e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
278.8240
3.388e+006



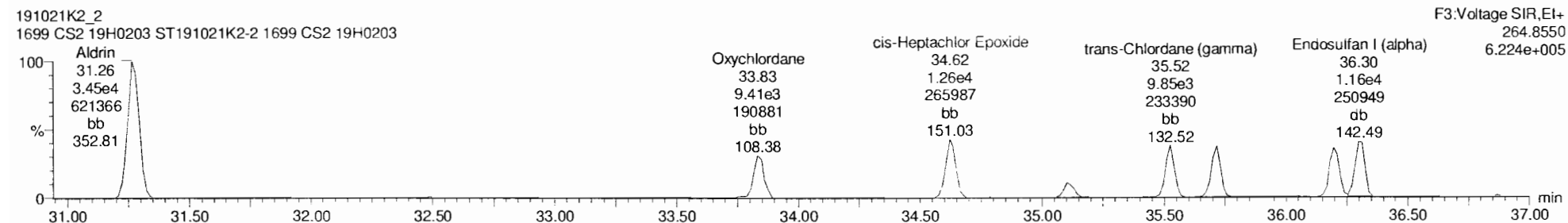
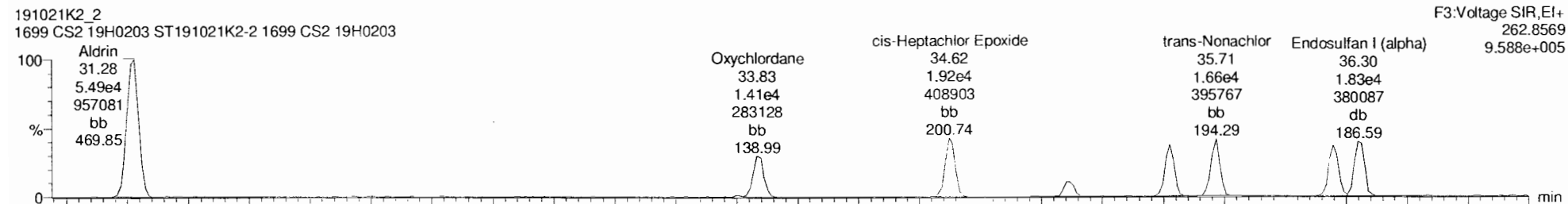
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Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

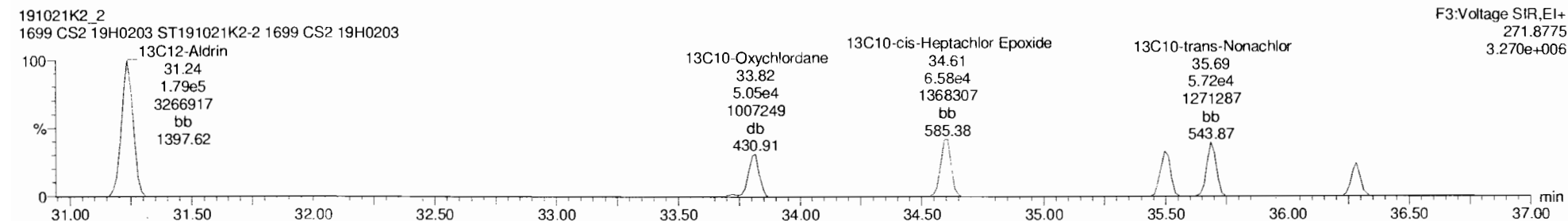
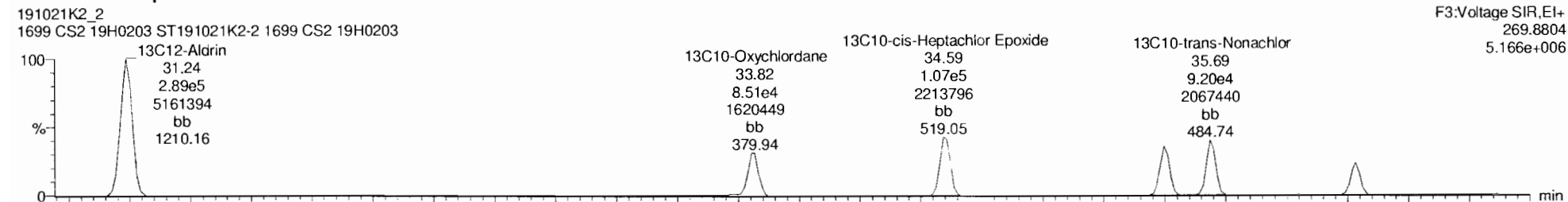
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

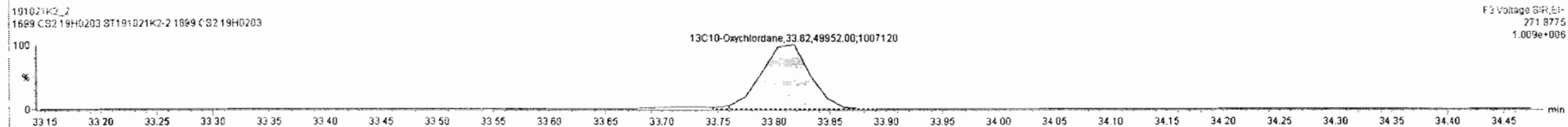
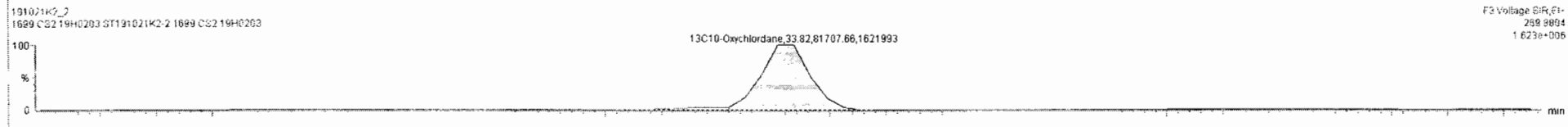
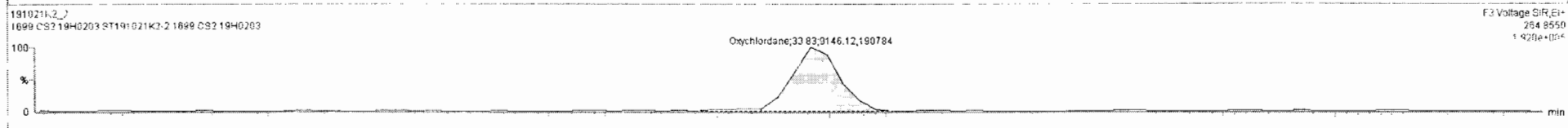
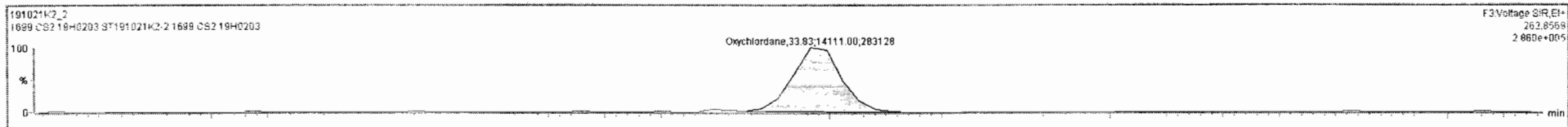
Aldrin-EI

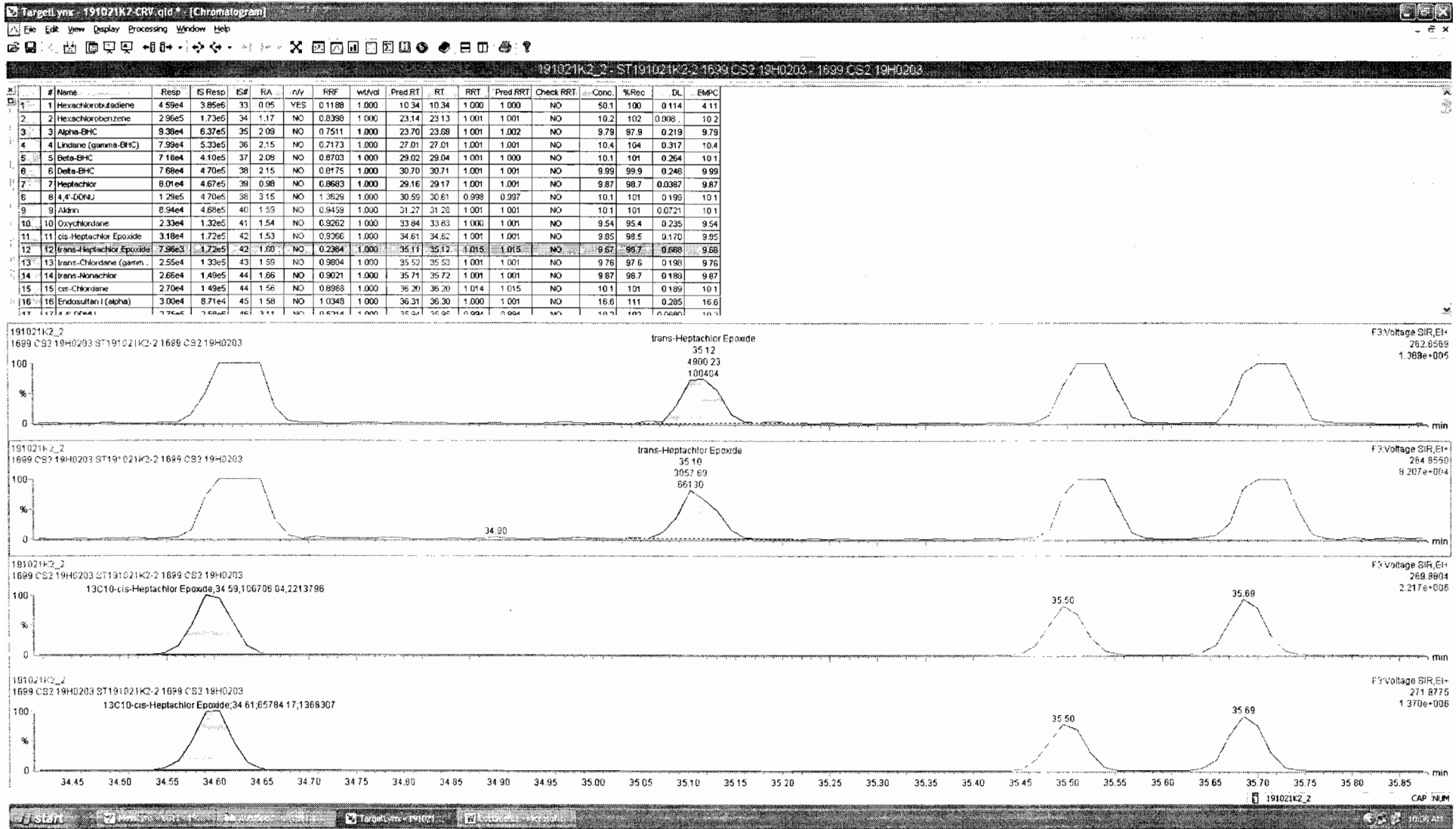


Aldrin-EI-isotopes



#	Name	Resp	IS Resp	ISF	PA	n/y	RRF	wf/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	4.59e4	3.85e6	33	0.05	YES	0.1188	1.000	10.34	10.34	1.000	1.000	NO	50.1	100	0.114	4.11
2	Hexachlorobenzene	2.96e5	1.73e6	34	1.17	NO	0.8398	1.000	23.14	23.13	1.001	1.001	NO	10.2	102	0.008	10.2
3	Alpha-BHC	9.38e4	6.37e5	35	2.09	NO	0.7511	1.000	23.70	23.69	1.001	1.002	NO	9.79	97.9	0.219	9.79
4	Lindane (gamma-BHC)	7.99e4	5.33e5	36	2.15	NO	0.7173	1.000	27.01	27.01	1.001	1.001	NO	10.4	104	0.317	10.4
5	Beta-BHC	7.18e4	4.10e5	37	2.08	NO	0.8703	1.000	29.02	29.04	1.001	1.000	NO	10.1	101	0.264	10.1
6	Delta-BHC	7.69e4	4.70e5	38	2.15	NO	0.8175	1.000	30.70	30.71	1.001	1.001	NO	9.99	99.9	0.246	9.99
7	Heptachlor	8.01e4	4.67e5	39	0.98	NO	0.8683	1.000	29.16	29.17	1.001	1.001	NO	9.87	98.7	0.0387	9.87
8	4,4'-DDE	1.29e5	4.70e5	38	3.15	NO	1.3629	1.000	30.59	30.61	0.998	0.997	NO	10.1	101	0.196	10.1
9	Aldrin	8.94e4	4.68e5	40	1.59	NO	0.9459	1.000	31.27	31.28	1.001	1.001	NO	10.1	101	0.0721	10.1
10	Oxychlorane	2.33e4	1.32e5	41	1.54	NO	0.9262	1.000	33.84	33.83	1.000	1.001	NO	9.54	95.4	0.235	9.54
11	cis-Heptachlor Epoxide	3.18e4	1.72e5	42	1.53	NO	0.9366	1.000	34.61	34.62	1.001	1.001	NO	9.85	98.5	0.170	9.85
12	trans-Heptachlor Epoxide	7.96e3	1.72e5	42	1.60	NO	0.2364	1.000	35.11	35.12	1.015	1.015	NO	9.67	96.7	0.668	9.68
13	trans-Chlordane (genm)	2.55e4	1.35e5	43	1.59	NO	0.9904	1.000	35.52	35.53	1.001	1.001	NO	9.76	97.6	0.198	9.76
14	trans-Nonachlor	2.66e4	1.49e5	44	1.66	NO	0.9021	1.000	35.71	35.72	1.001	1.001	NO	9.87	98.7	0.188	9.87
15	cis-Chlordane	2.70e4	1.49e5	44	1.56	NO	0.8888	1.000	36.20	36.20	1.014	1.015	NO	10.1	101	0.189	10.1
16	Endosulfen I (alpha)	3.00e4	8.71e4	45	1.53	NO	1.0348	1.000	36.31	36.30	1.000	1.001	NO	16.6	111	0.285	16.6
17	4,4'-DDE	7.76e5	7.69e6	46	3.14	NO	0.9394	1.000	36.94	36.96	0.994	0.994	NO	10.3	103	0.0691	10.3





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

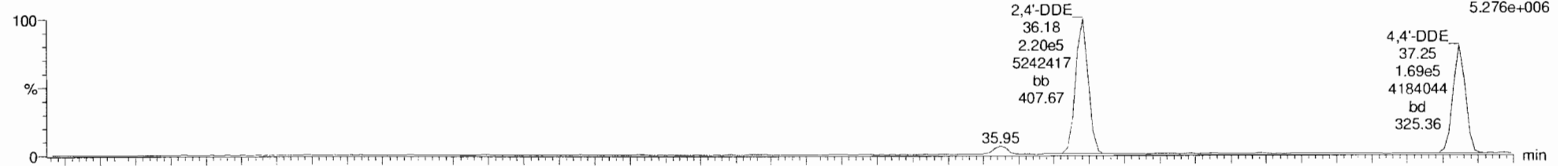
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

DDMU-DDE

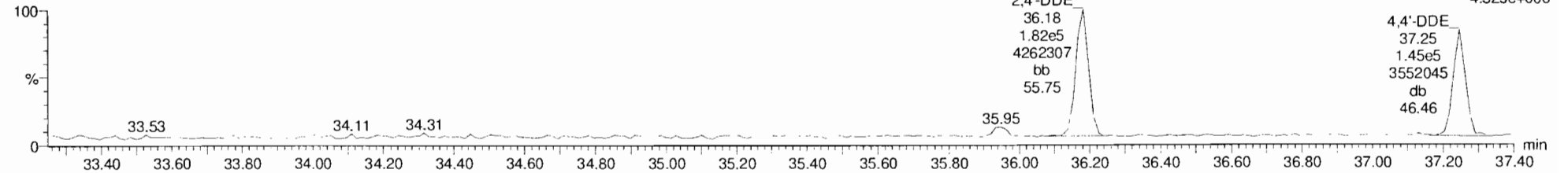
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
246.0003
5.276e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

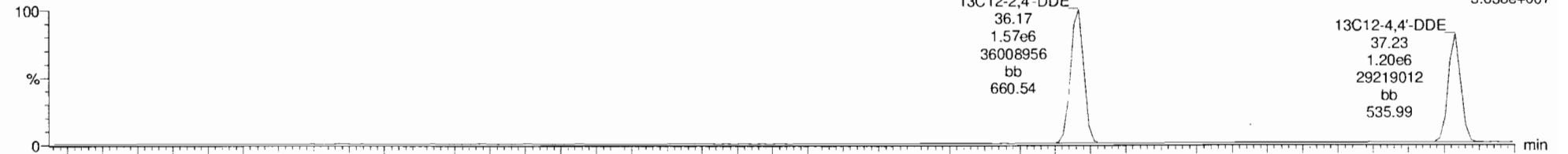
F3:Voltage SIR,EI+
247.9974
4.529e+006



DDE-isotopes

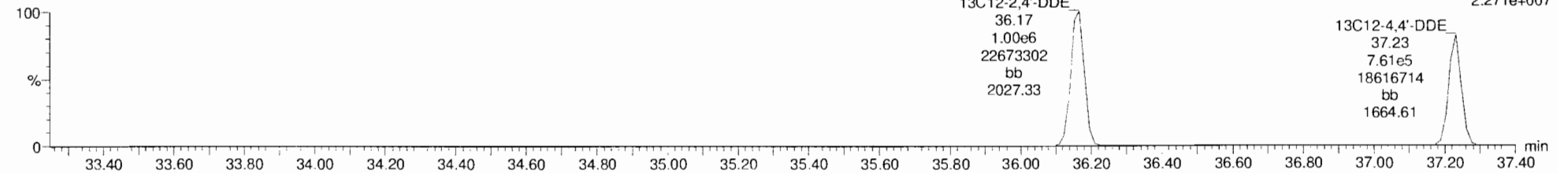
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

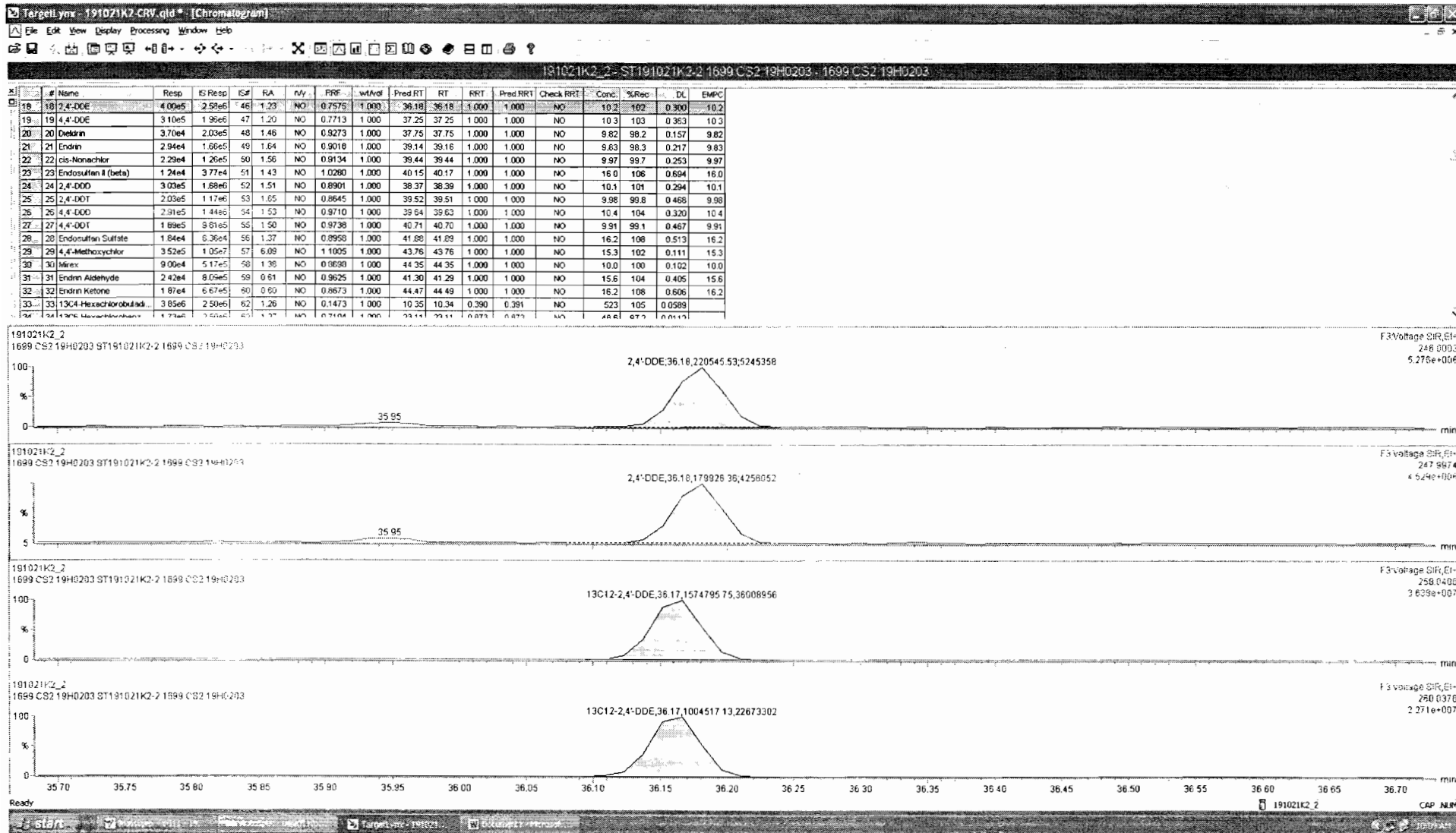
F3:Voltage SIR,EI+
258.0406
3.638e+007

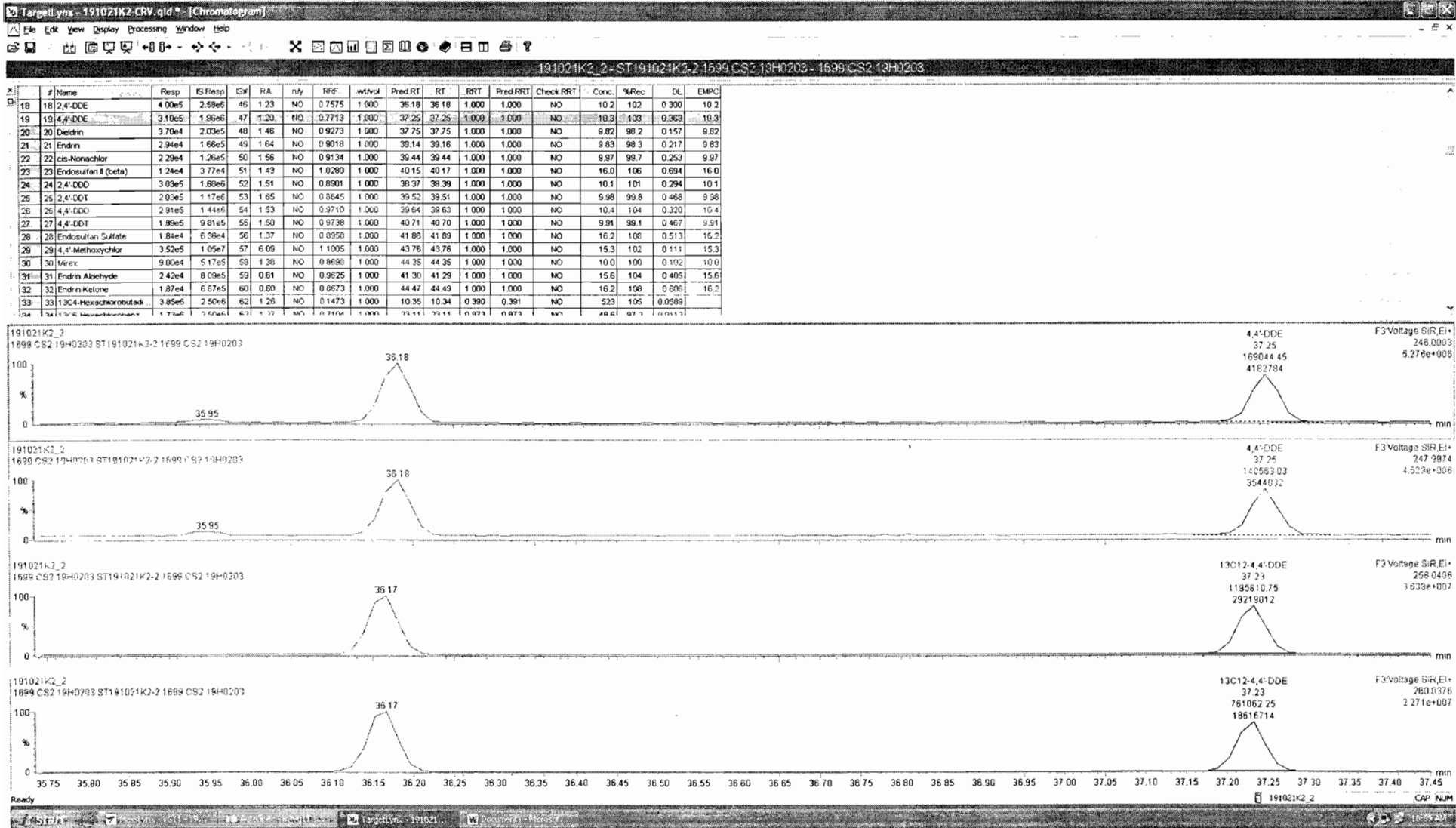


191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
260.0376
2.271e+007







Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

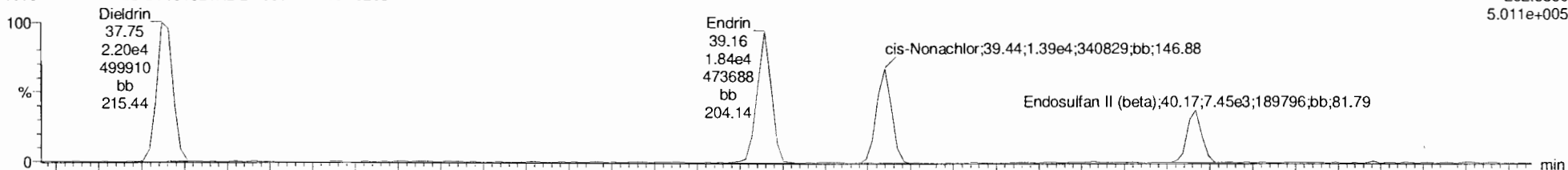
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

Dieldrin-EII

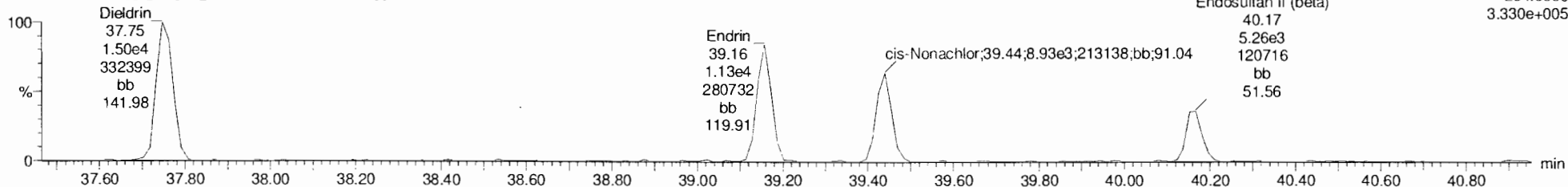
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
262.8569
5.011e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

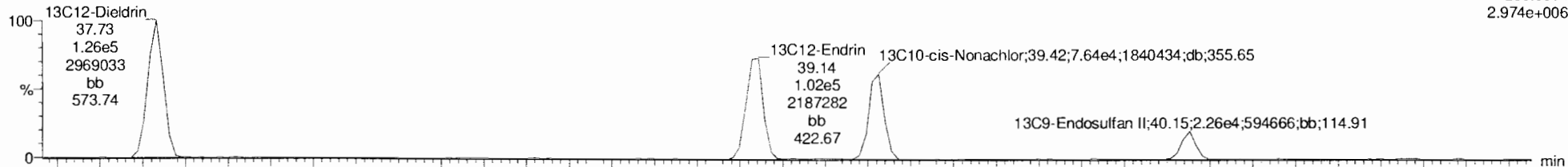
F4:Voltage SIR,EI+
264.8550
3.330e+005



Dieldrin-EII-isotopes

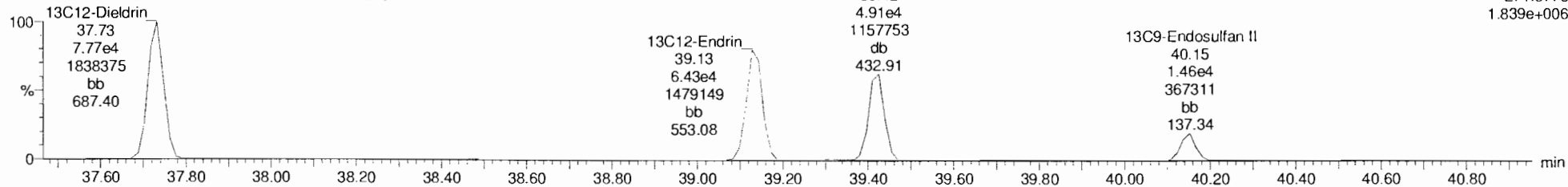
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

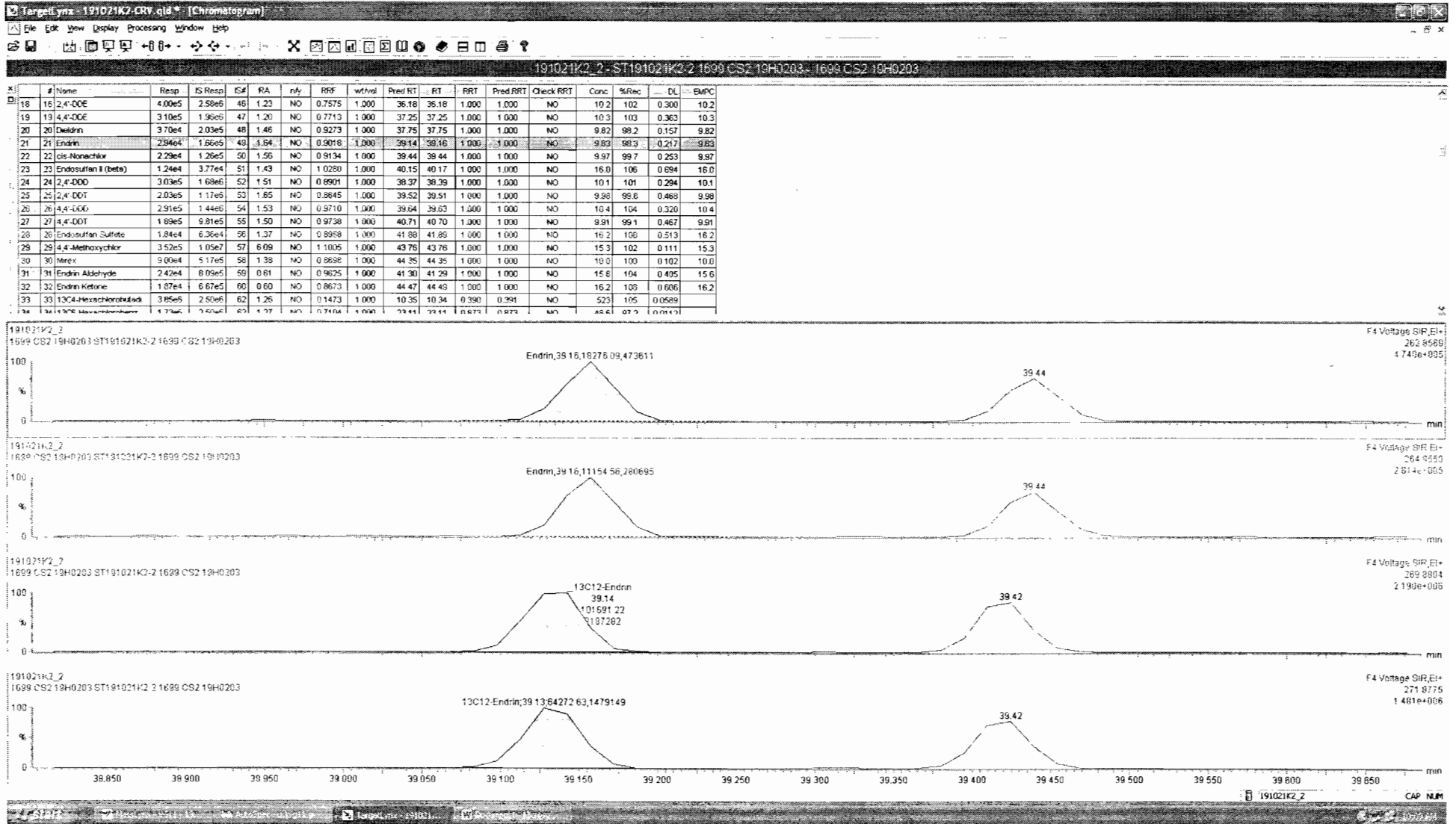
F4:Voltage SIR,EI+
269.8804
2.974e+006



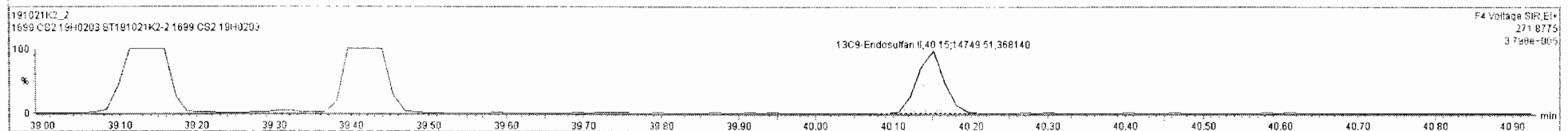
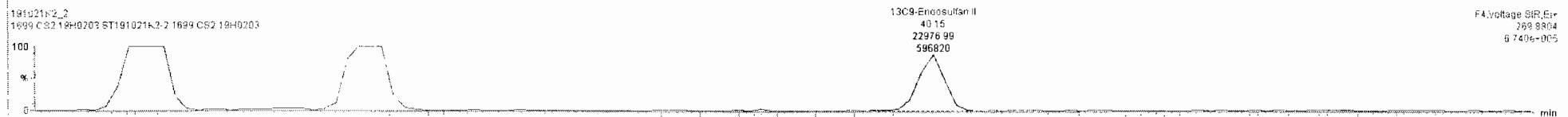
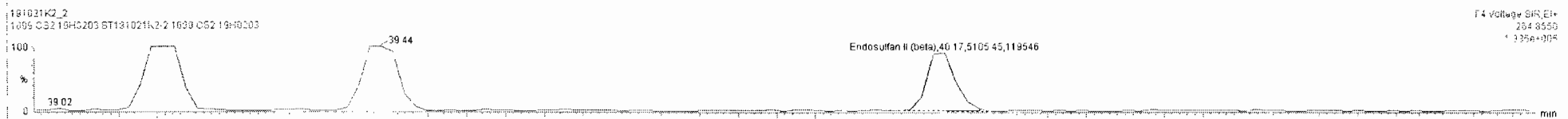
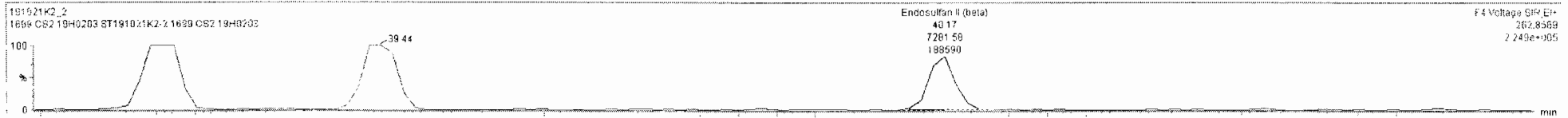
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
271.8775
1.839e+006





#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtAvl	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
18	18 2,4'-DDE	4.00e5	2.59e6	46	1.23	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	10.2	102	0.300	10.2
19	19 4,4'-DDE	3.10e5	1.96e6	47	1.20	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	10.3	103	0.363	10.3
20	20 Dieldrin	3.70e4	2.03e5	48	1.46	NO	0.9273	1.000	37.75	37.75	1.000	1.000	NO	9.82	98.2	0.157	9.82
21	21 Endrin	2.94e4	1.66e5	49	1.64	NO	0.9016	1.000	39.14	39.16	1.000	1.000	NO	9.83	98.3	0.217	9.83
22	22 cis-Nonachlor	2.29e4	1.26e5	50	1.56	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	9.97	99.7	0.253	9.97
23	23 Endosulfan II (beta)	1.24e4	3.77e4	51	1.43	NO	1.0260	1.000	40.15	40.17	1.000	1.000	NO	16.0	106	0.694	16.0
24	24 2,4'-DDD	3.03e5	1.89e6	52	1.51	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	10.1	101	0.294	10.1
25	25 2,4'-DDT	2.03e5	1.17e6	53	1.85	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	9.98	99.8	0.468	9.98
26	26 4,4'-DDD	2.91e5	1.44e6	54	1.53	NO	0.9710	1.000	39.64	39.63	1.000	1.000	NO	10.4	104	0.320	10.4
27	27 4,4'-DDT	1.89e5	9.81e5	55	1.50	NO	0.9738	1.000	40.71	40.70	1.000	1.000	NO	9.91	99.1	0.467	9.91
28	28 Endosulfan Sulfate	1.84e4	6.36e4	56	1.37	NO	0.8958	1.000	41.88	41.89	1.000	1.000	NO	16.2	108	0.513	16.2
29	29 4,4'-Methoxychlor	3.52e5	1.05e7	57	6.09	NO	1.1005	1.000	43.76	43.76	1.000	1.000	NO	15.3	102	0.111	15.3
30	30 Irex	9.00e4	5.17e5	58	1.38	NO	0.8998	1.000	44.35	44.35	1.000	1.000	NO	10.0	100	0.102	10.0
31	31 Endrin Aldehyde	2.42e4	8.09e5	59	0.61	NO	0.9525	1.000	41.30	41.29	1.000	1.000	NO	15.6	104	0.405	15.6
32	32 Endrin Ketone	1.87e4	6.67e5	60	0.50	NO	0.8673	1.000	44.47	44.49	1.000	1.000	NO	16.2	108	0.606	16.2
33	33 1,2,3,4-Hexachlorobutadiene	3.85e6	2.50e6	62	1.26	NO	0.1473	1.000	10.35	10.34	0.990	0.991	NO	523	105	0.0588	
34	34 1,2,3,4,5,6-Hexachlorocyclohexane	4.73e6	2.70e6	63	1.37	NO	0.7104	1.000	23.11	23.11	0.873	0.873	NO	48.6	97.3	0.0113	



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

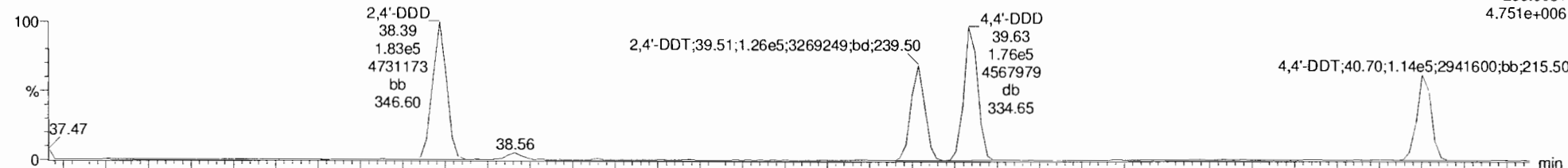
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

DDD-DDT

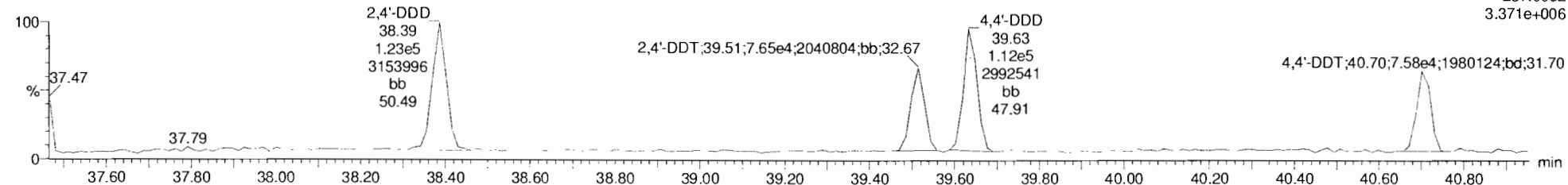
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
235.0081
4.751e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

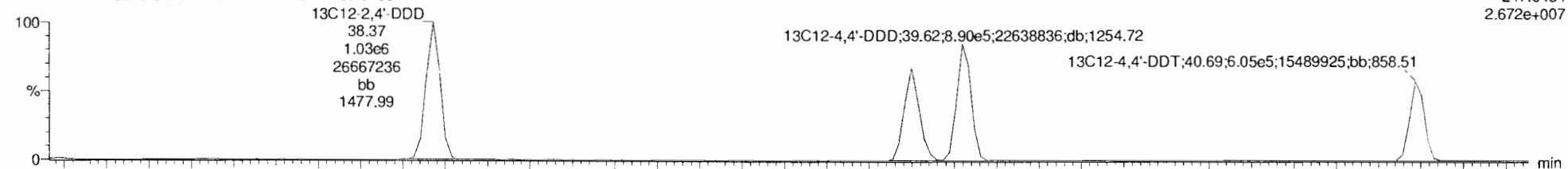
F4:Voltage SIR,EI+
237.0052
3.371e+006



DDD-DDT-isotopes

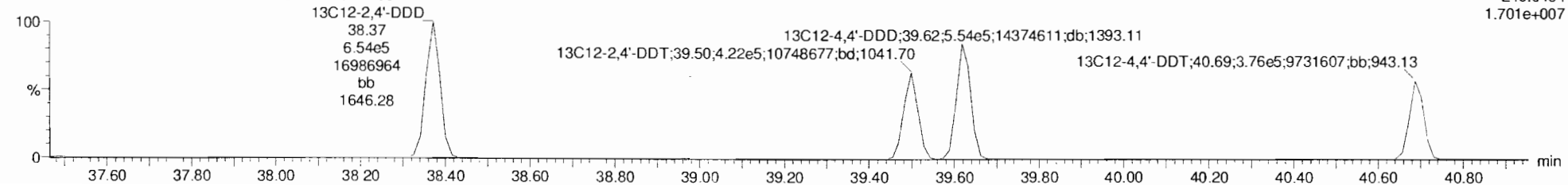
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

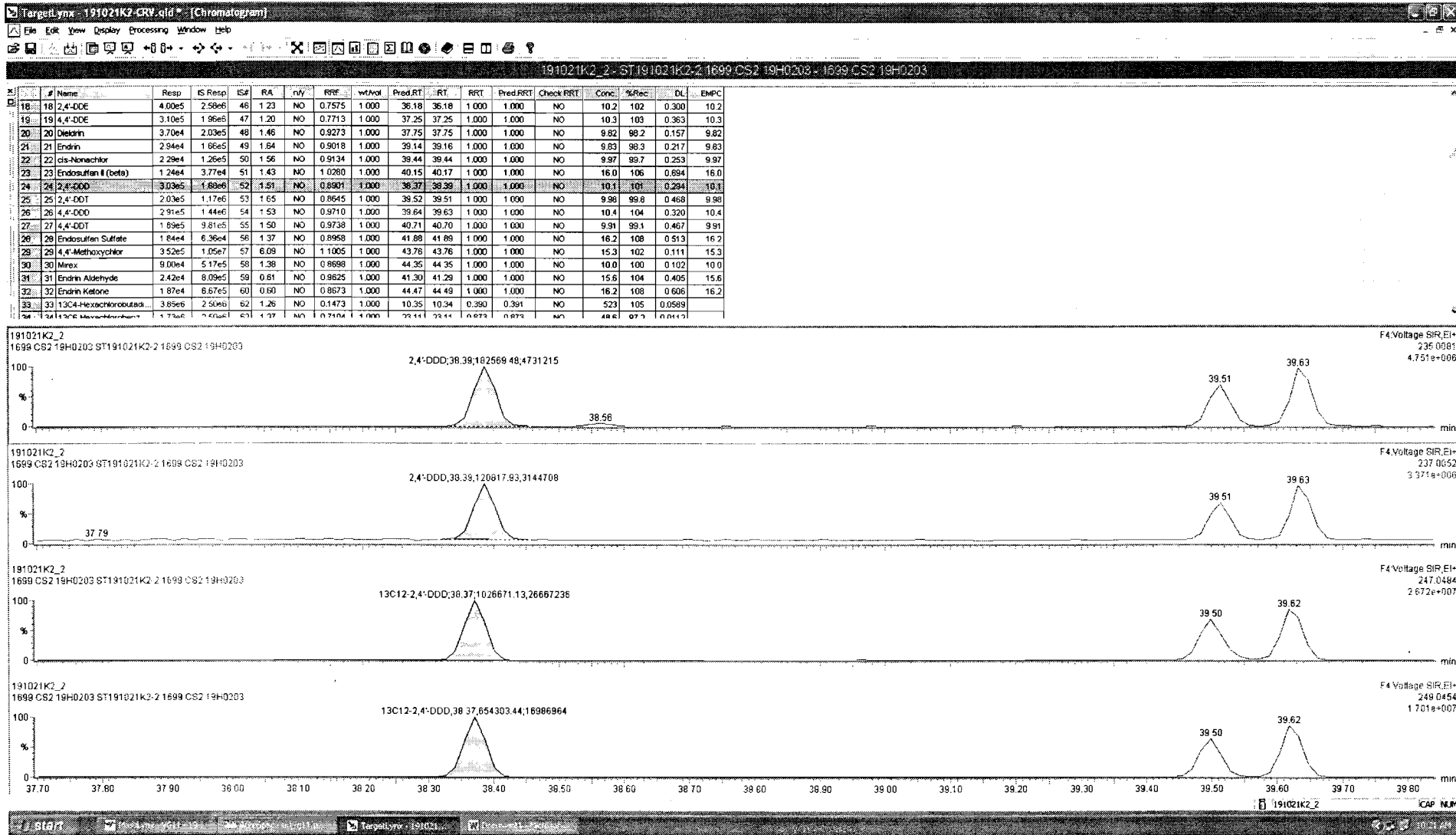
F4:Voltage SIR,EI+
247.0484
2.672e+007

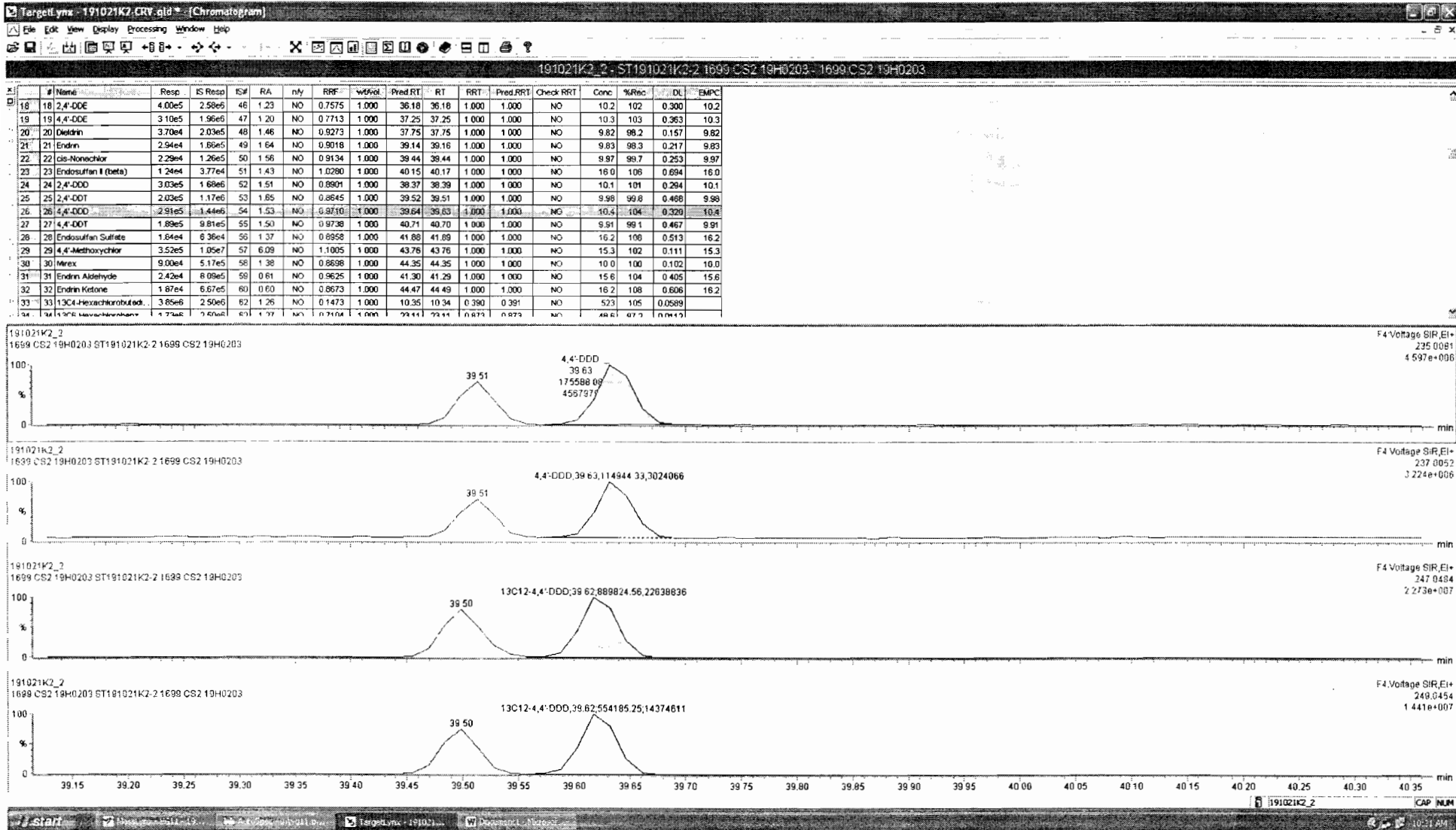


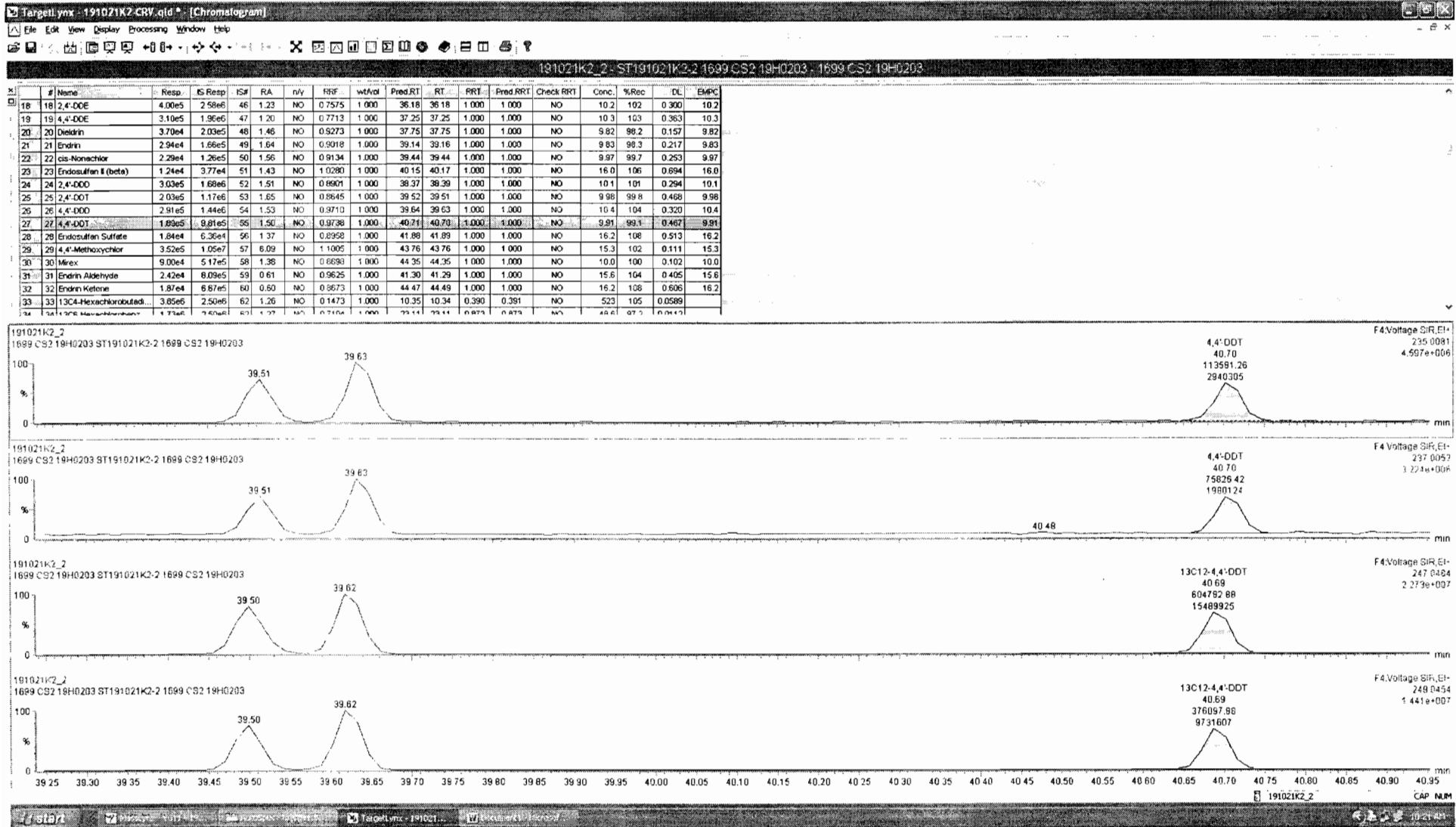
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
249.0454
1.701e+007









Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

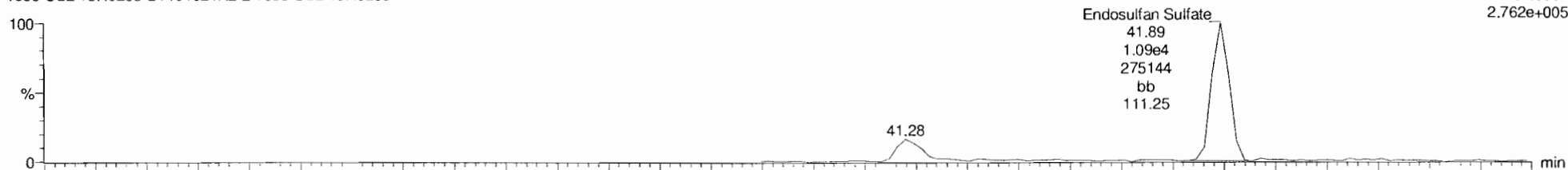
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Endosulfan Sulfate

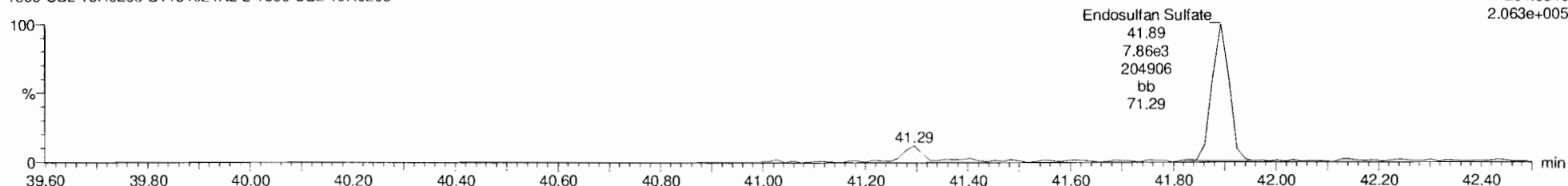
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
262.8569
2.762e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

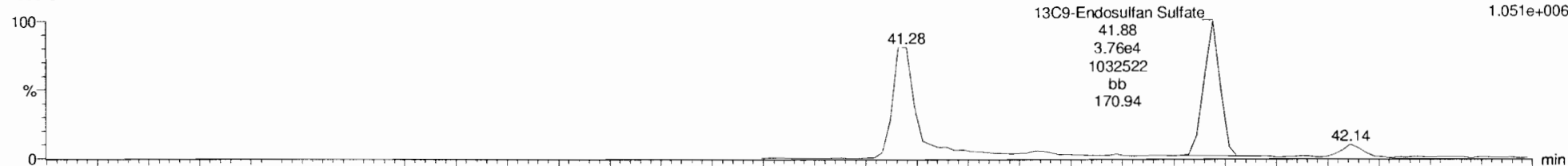
F5:Voltage SIR,EI+
264.8540
2.063e+005



¹³C9-Endosulfan Sulfate

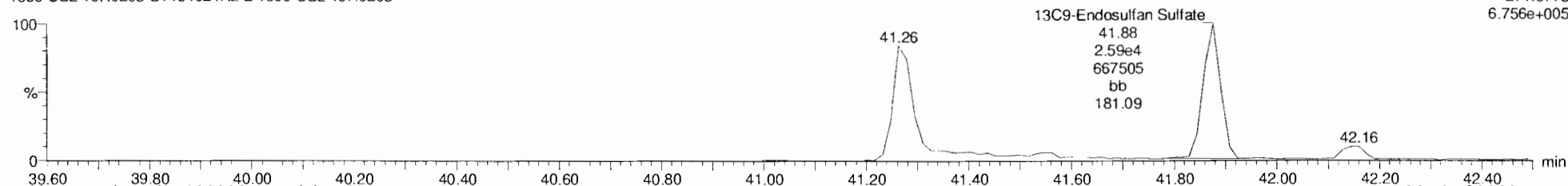
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

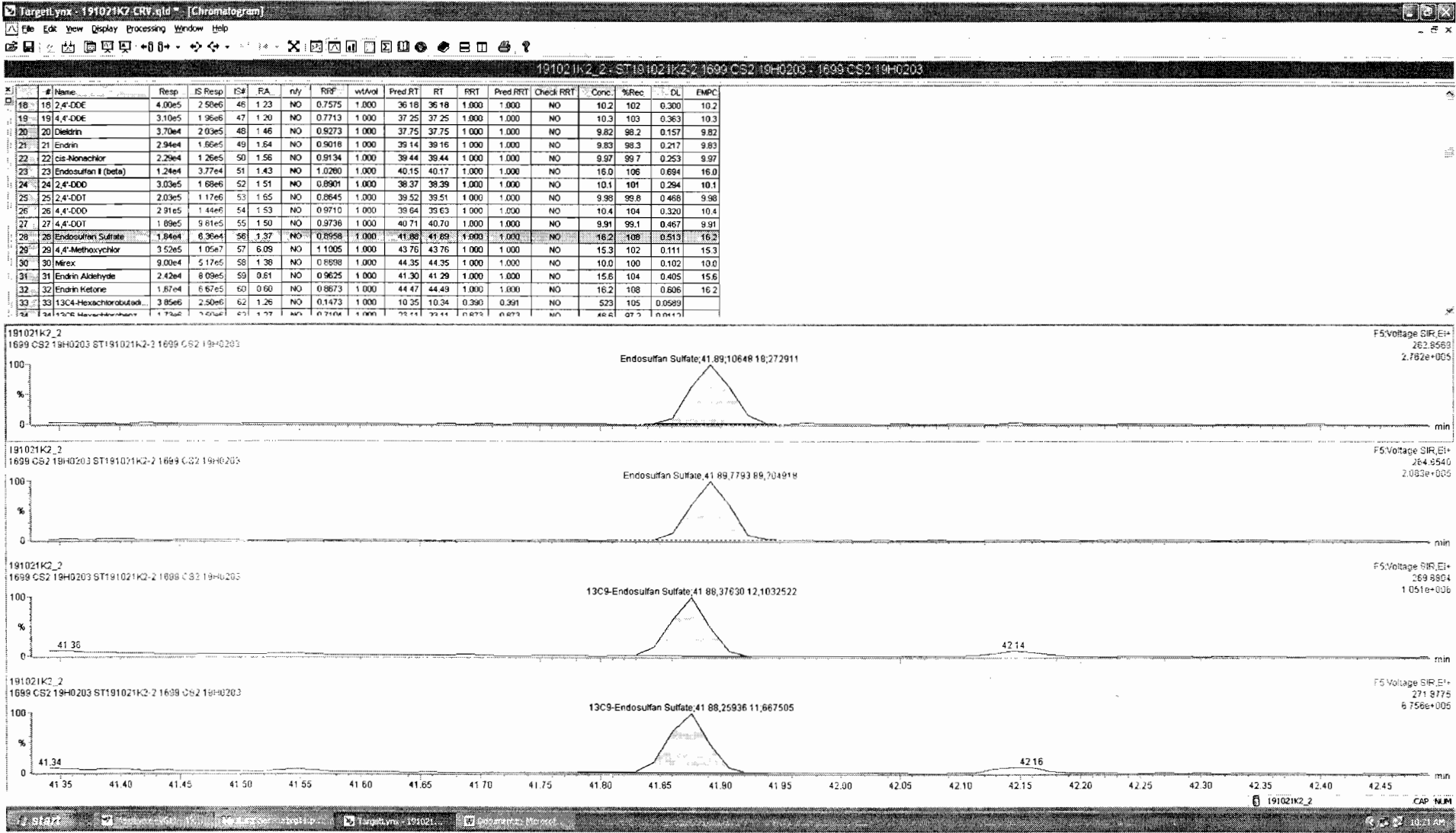
F5:Voltage SIR,EI+
269.8804
1.051e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
271.8775
6.756e+005





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

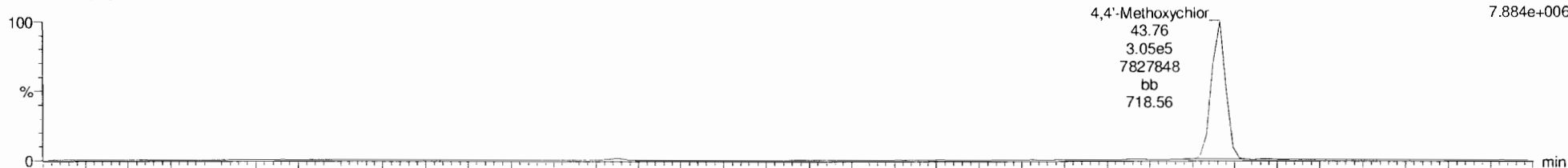
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4,4'-Methoxychlor

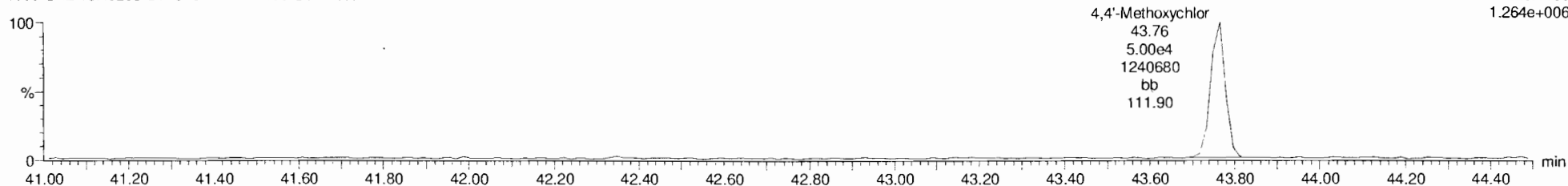
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR, EI+
227.1072
7.884e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

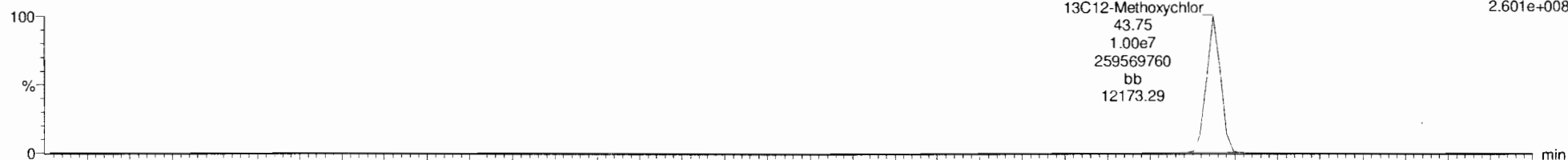
F5:Voltage SIR, EI+
228.1106
1.264e+006



13C12-Methoxychlor

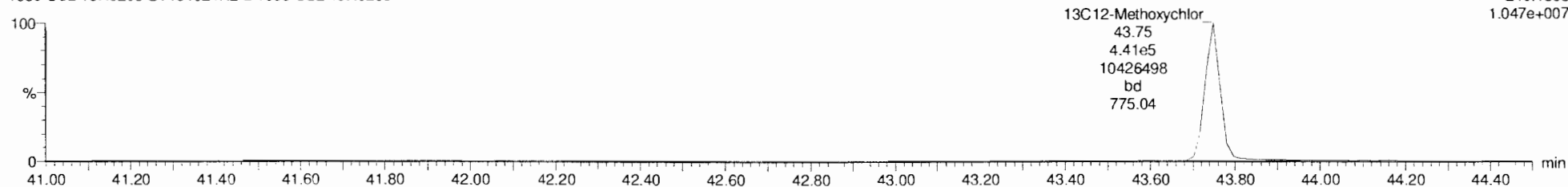
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

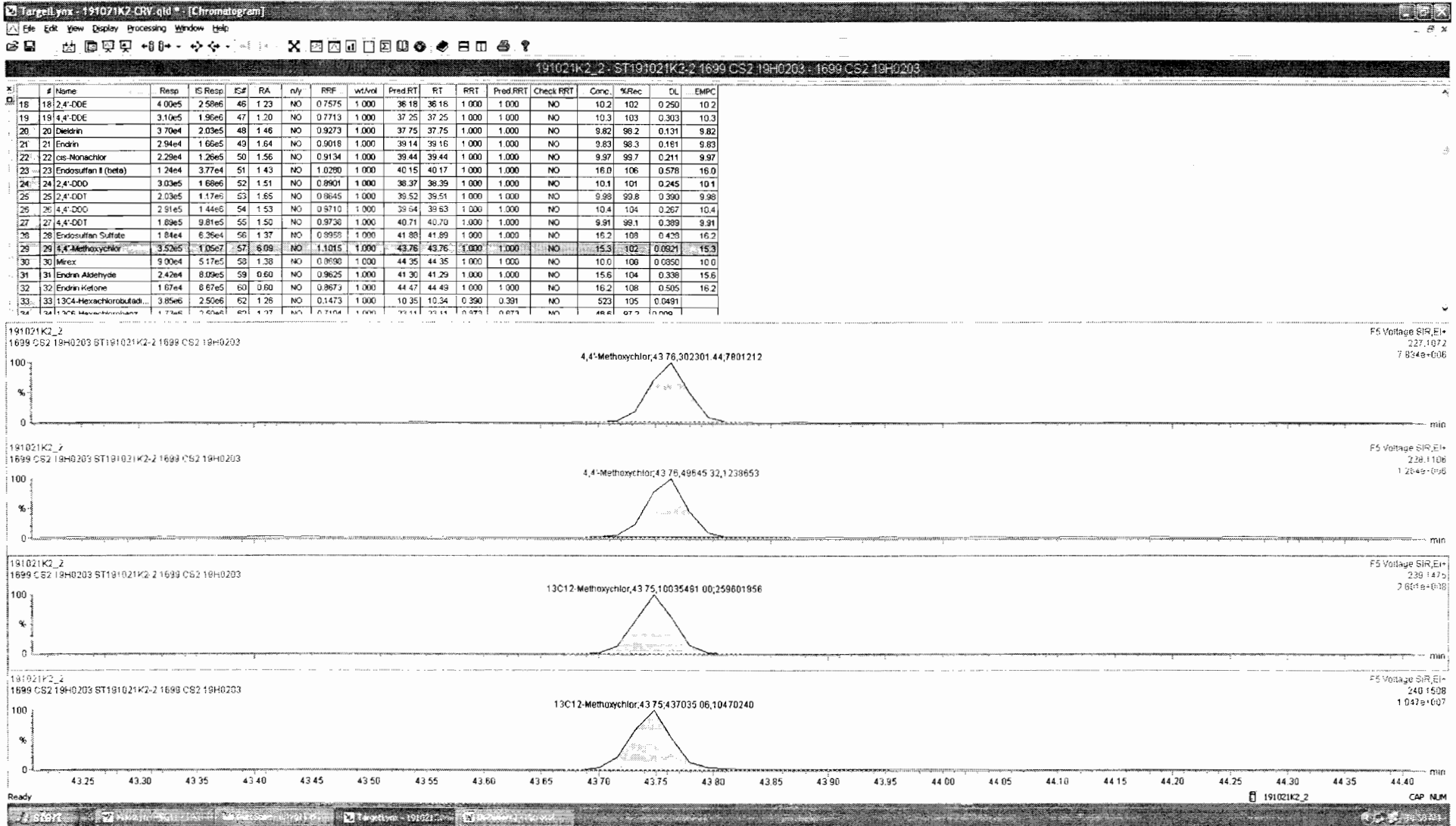
F5:Voltage SIR, EI+
239.1475
2.601e+008



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR, EI+
240.1508
1.047e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

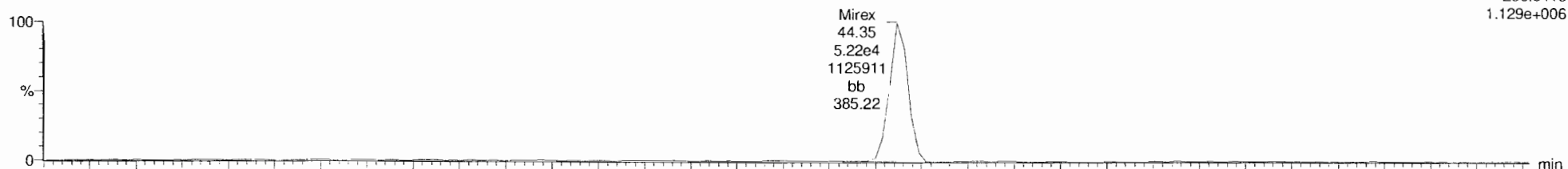
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Mirex

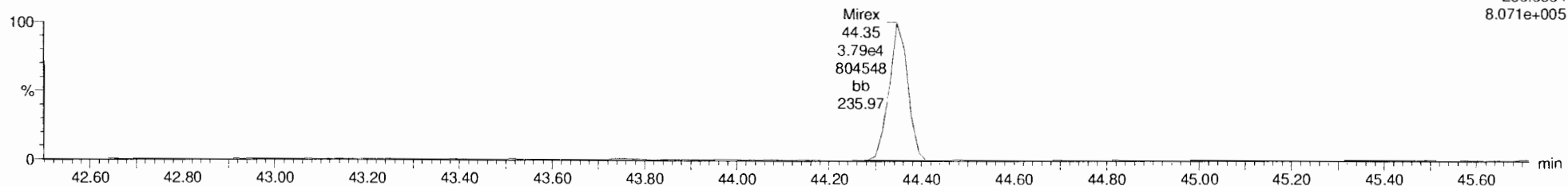
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
236.8413
1.129e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

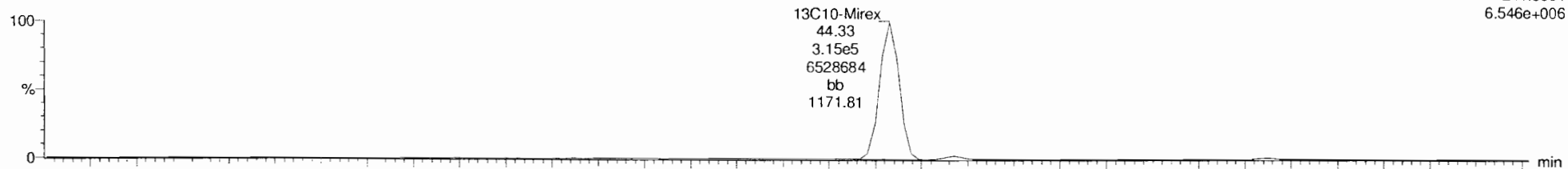
F5:Voltage SIR,EI+
238.8384
8.071e+005



13C10-Mirex

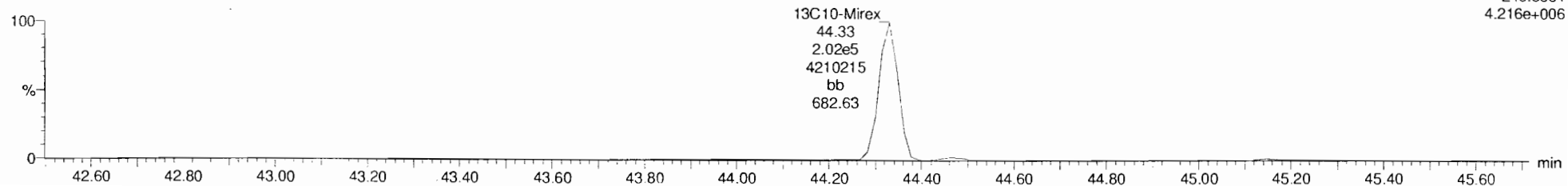
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
241.8581
6.546e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
243.8551
4.216e+006



Dataset: Untitled

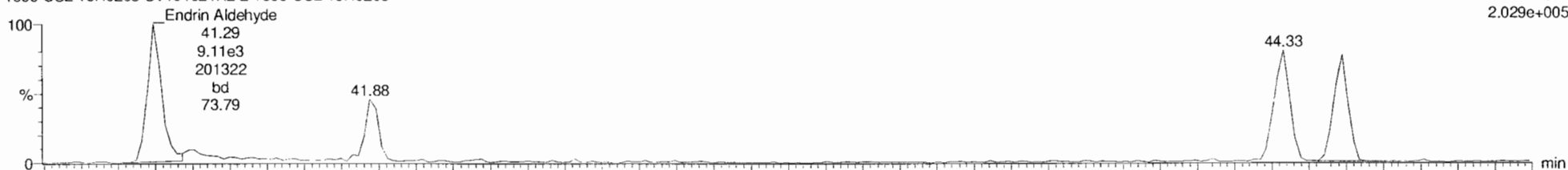
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_2, Date: 21-Oct-2019, Time: 13:53:56, ID: ST191021K2-2 1699 CS2 19H0203, Description: 1699 CS2 19H0203

EA-EK

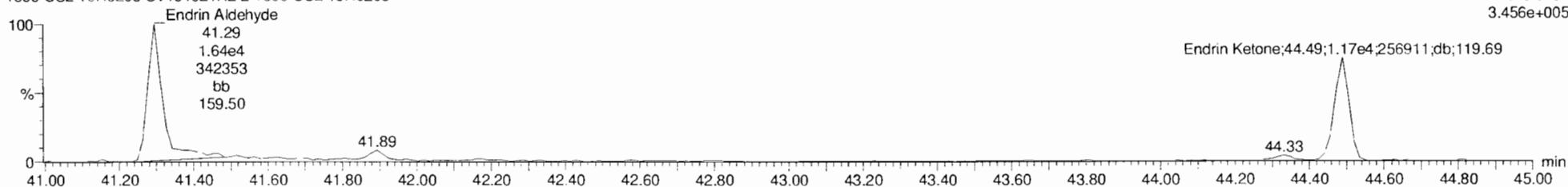
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
247.8521
2.029e+005



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

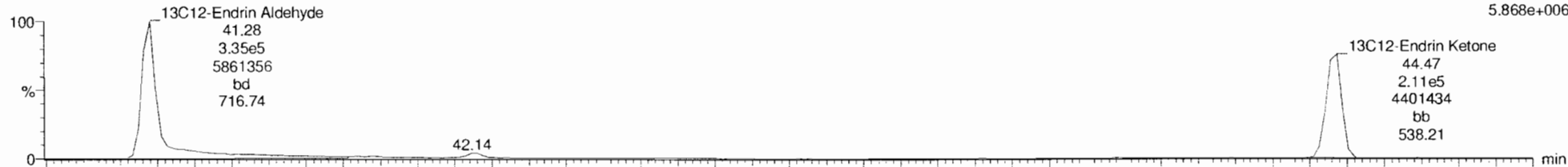
F5:Voltage SIR,EI+
249.8491
3.456e+005



EA-EK-isotopes

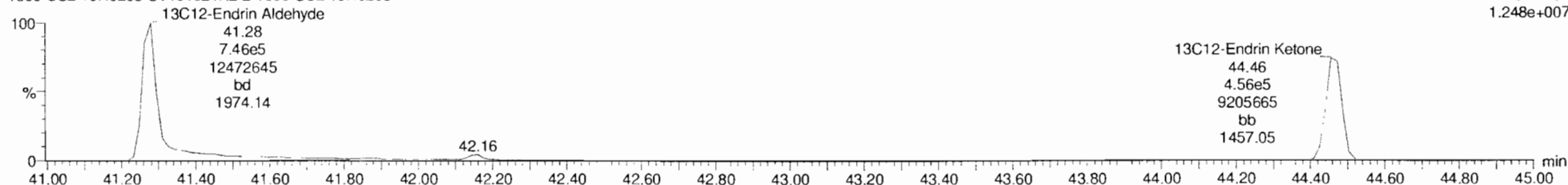
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

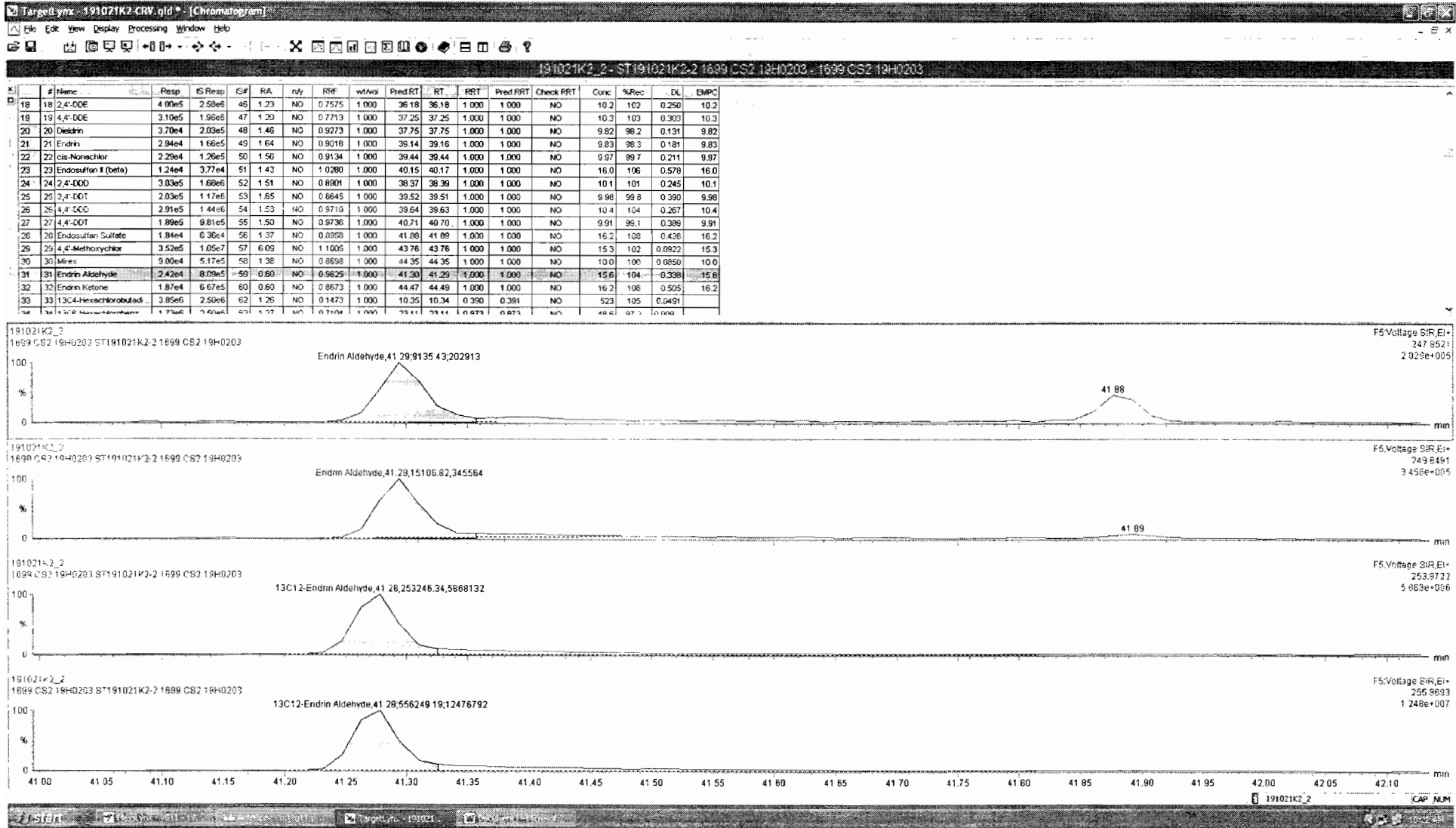
F5:Voltage SIR,EI+
253.8722
5.868e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F5:Voltage SIR,EI+
255.8693
1.248e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

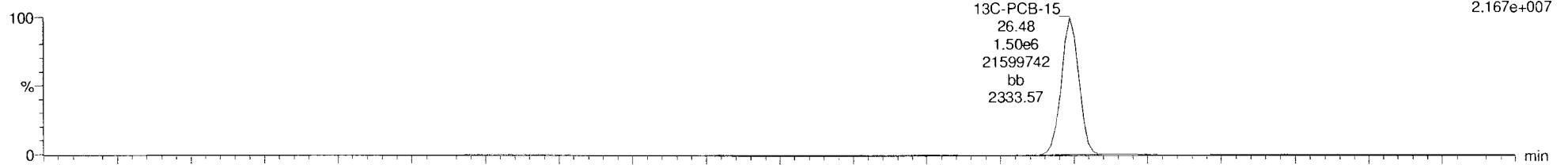
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13C-PCB-15

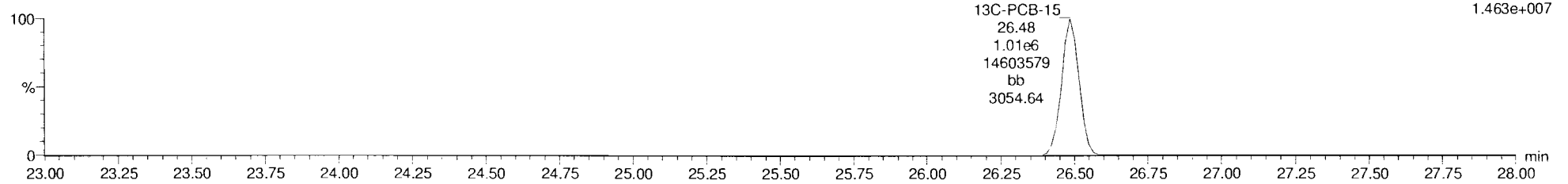
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F2:Voltage SIR,EI+
234.0406
2.167e+007



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

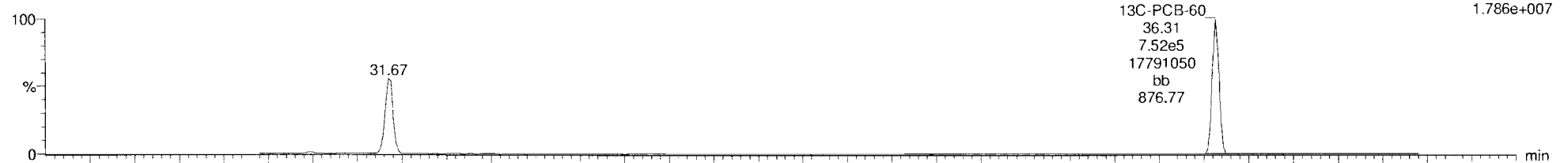
F2:Voltage SIR,EI+
236.0376
1.463e+007



13C-PCB-60

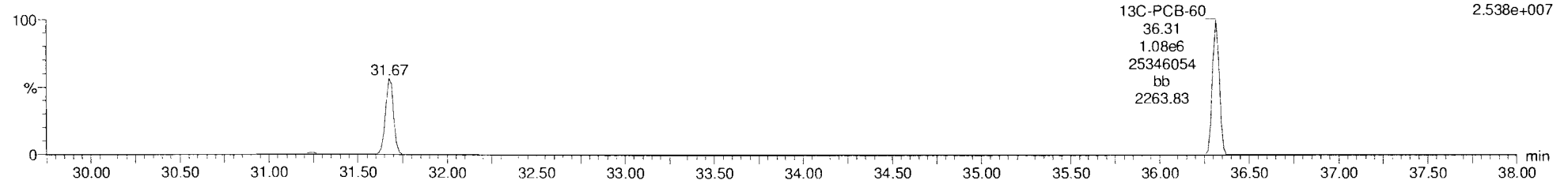
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
301.9626
1.786e+007



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F3:Voltage SIR,EI+
303.9597
2.538e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

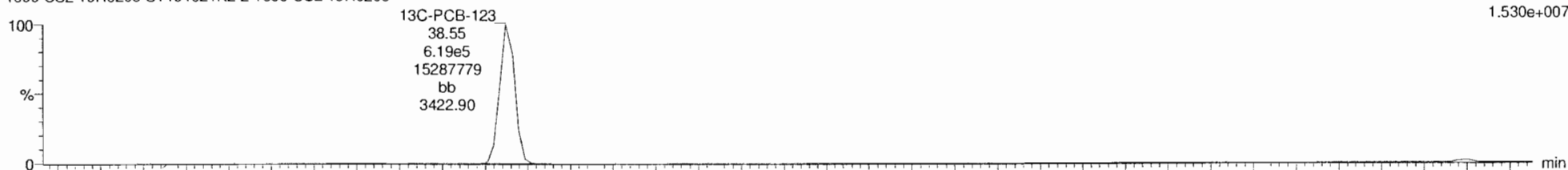
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13C-PCB-123

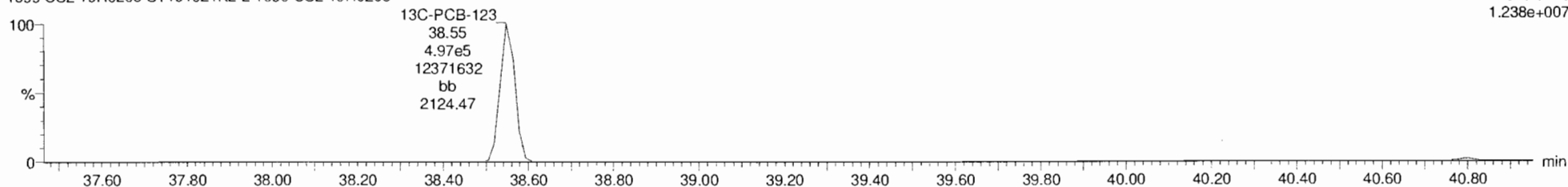
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
337.9210
1.530e+007



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

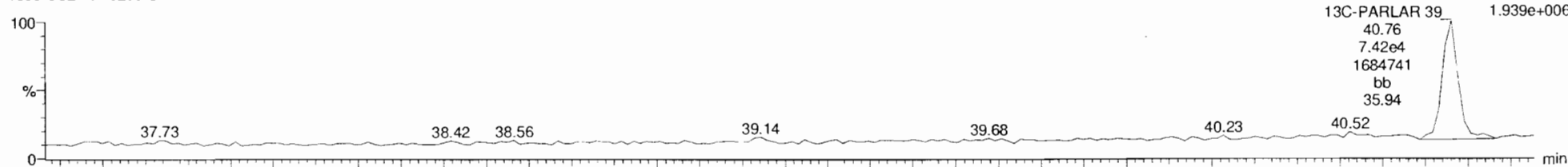
F4:Voltage SIR,EI+
339.9180
1.238e+007



13C-PARLAR 39

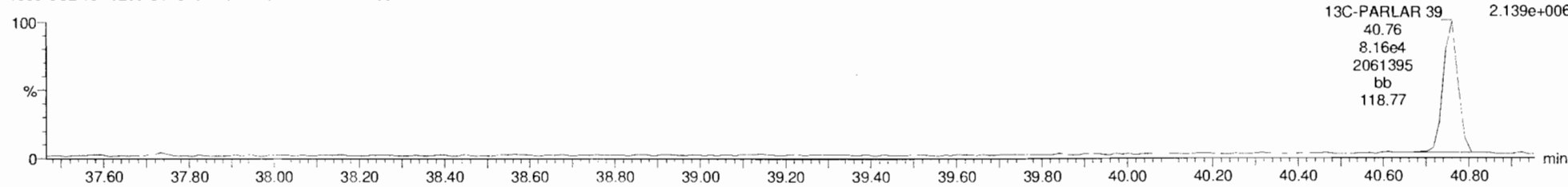
191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
251.9648
1.939e+006



191021K2_2
1699 CS2 19H0203 ST191021K2-2 1699 CS2 19H0203

F4:Voltage SIR,EI+
253.9619
2.139e+006



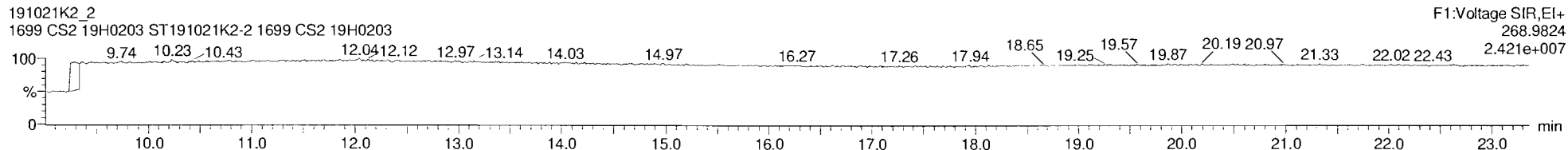
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

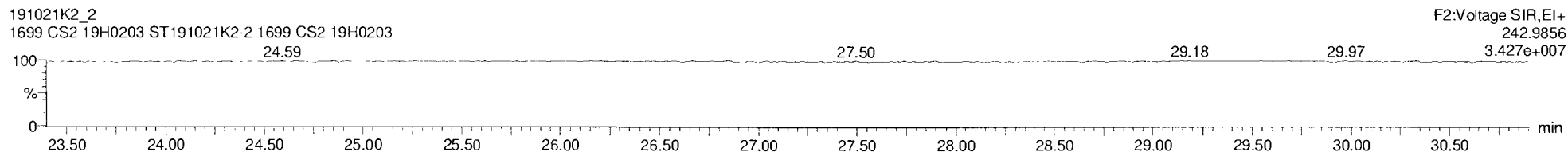
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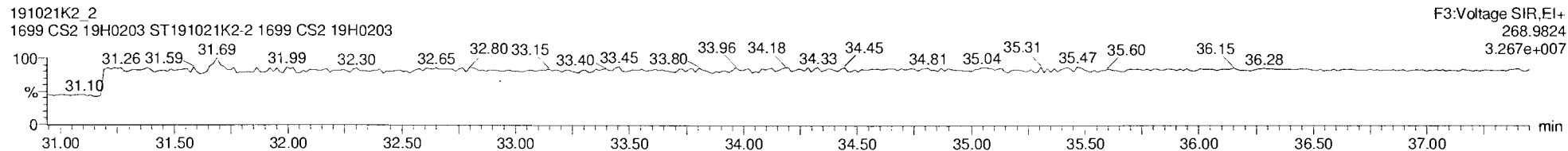
PFK1



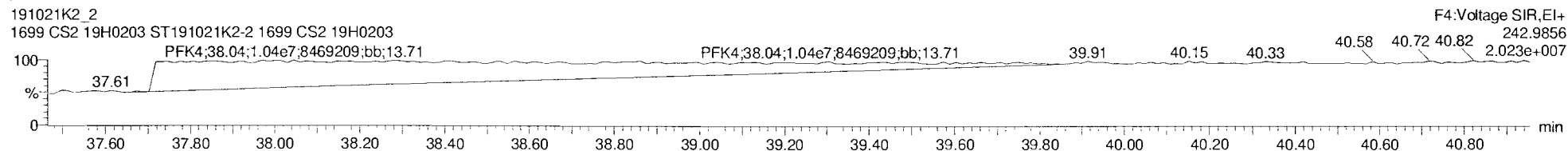
PFK2



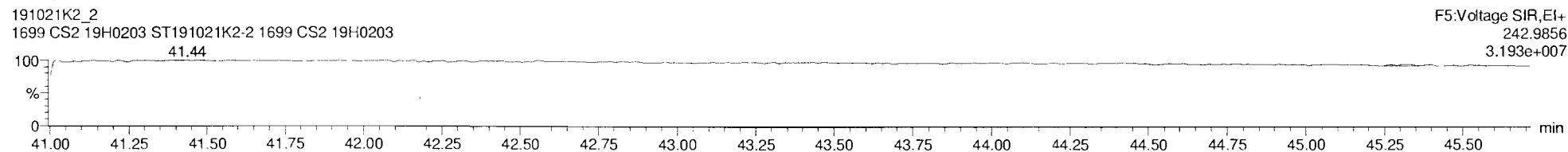
PFK3



PFK4



PFK5



Dataset: Untitled

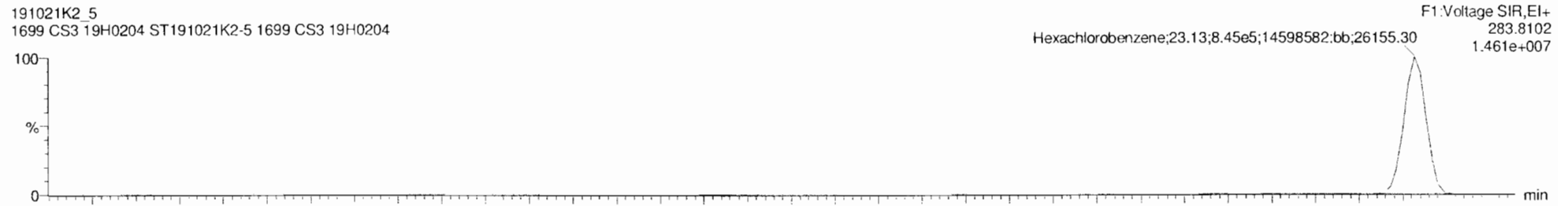
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

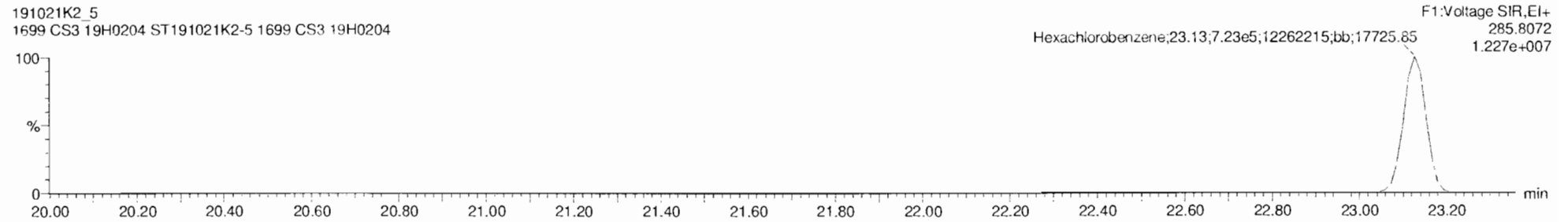
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Hexachlorobenzene

191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

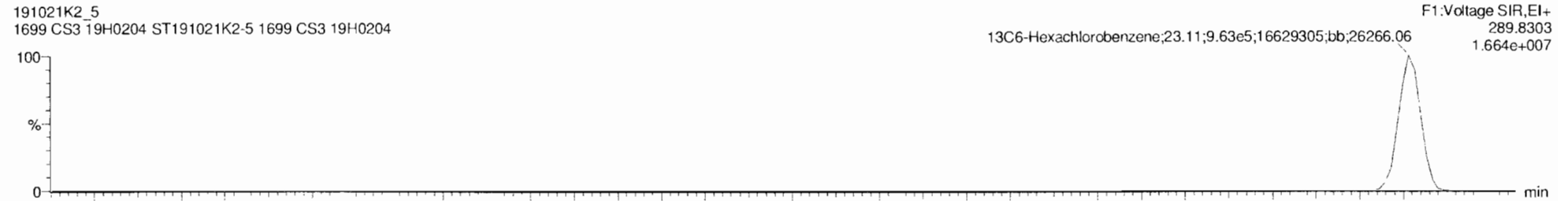


191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

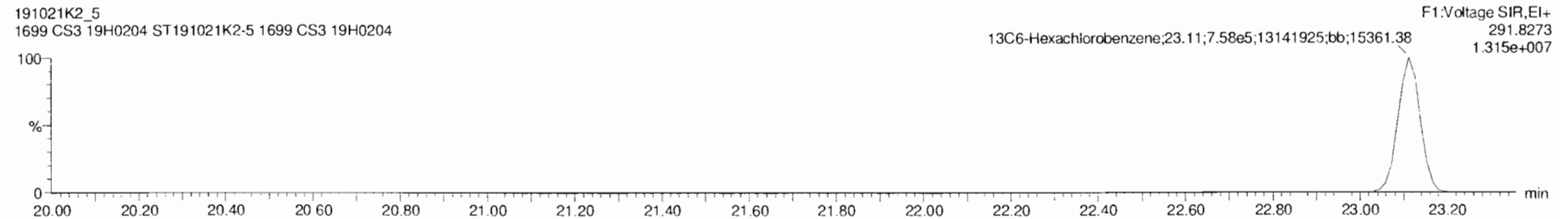


13C6-Hexachlorobenzene

191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

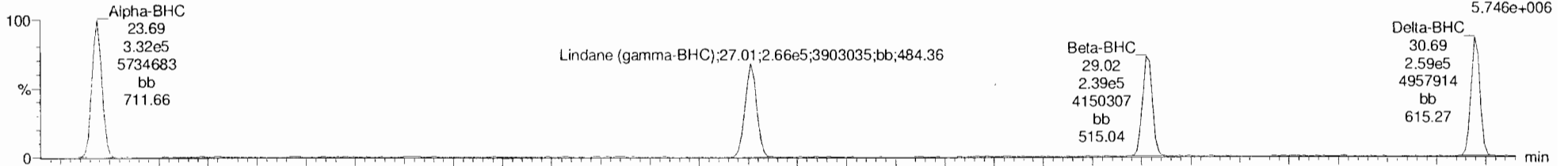
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

BHC Totals

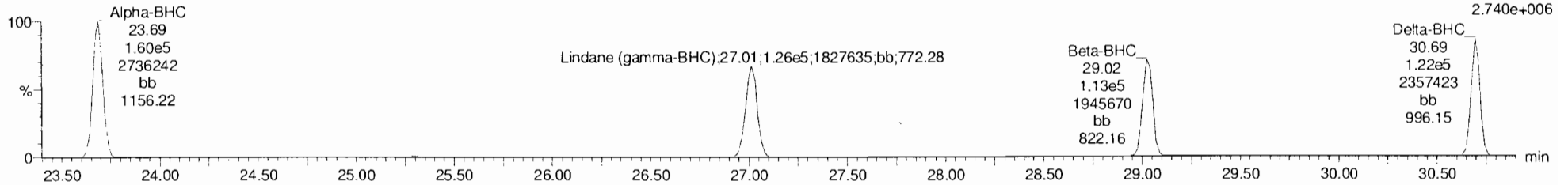
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
218.9116
5.746e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

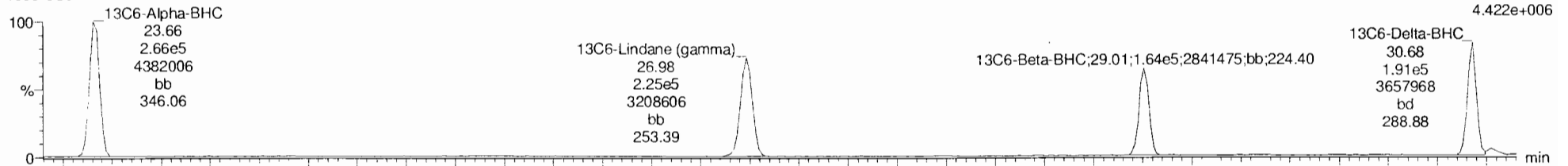
F2:Voltage SIR,EI+
220.9086
2.740e+006



BHC-isotopes

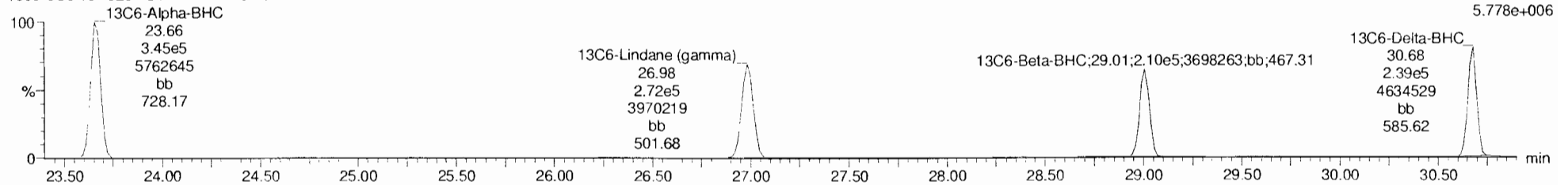
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
222.9346
4.422e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
224.9317
5.778e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

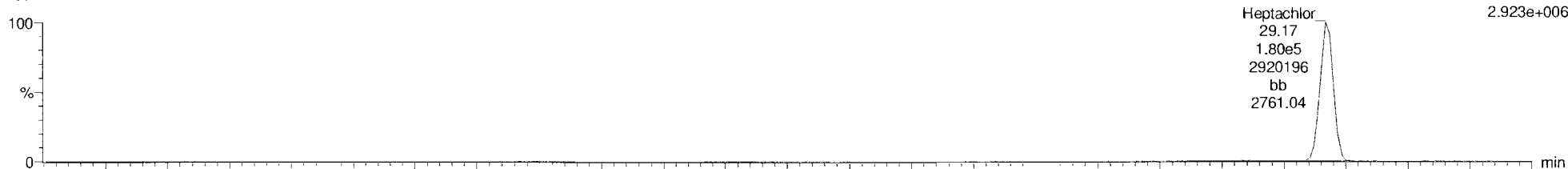
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Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Heptachlor

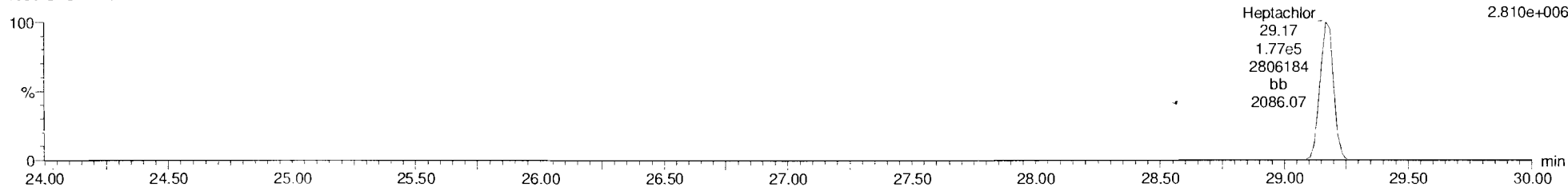
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
271.8102
2.923e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

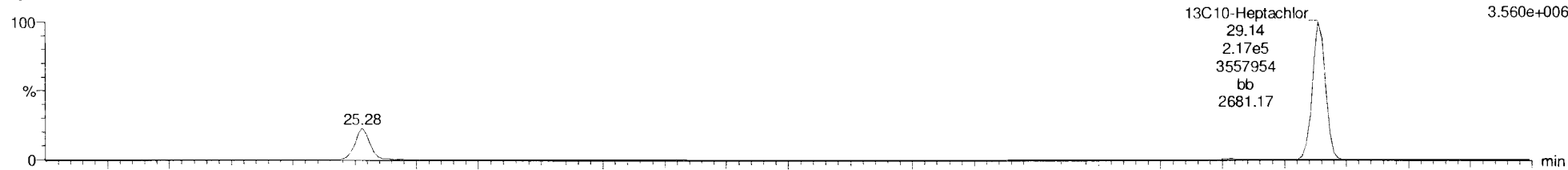
F2:Voltage SIR,EI+
273.8072
2.810e+006



13C10-Heptachlor

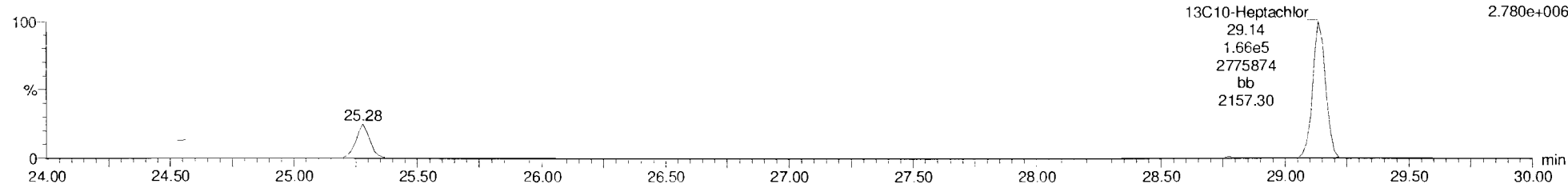
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
276.8269
3.560e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
278.8240
2.780e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

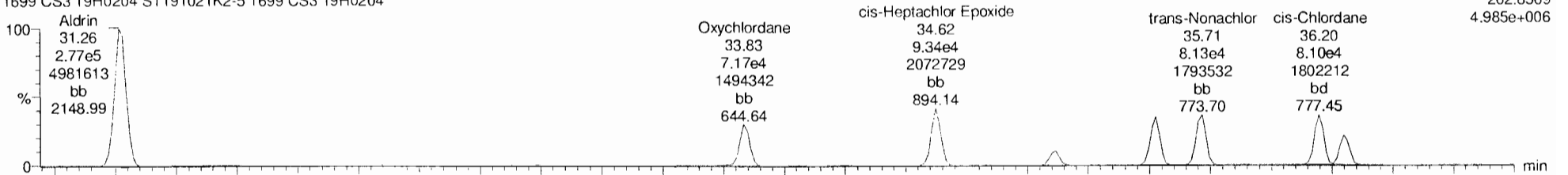
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Aldrin-EI

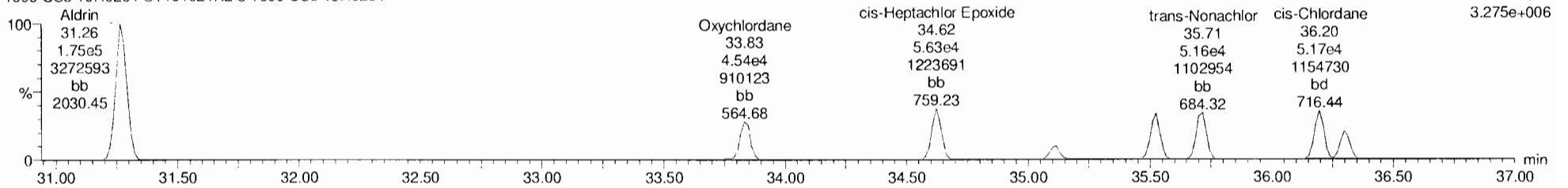
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
262.8569
4.985e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

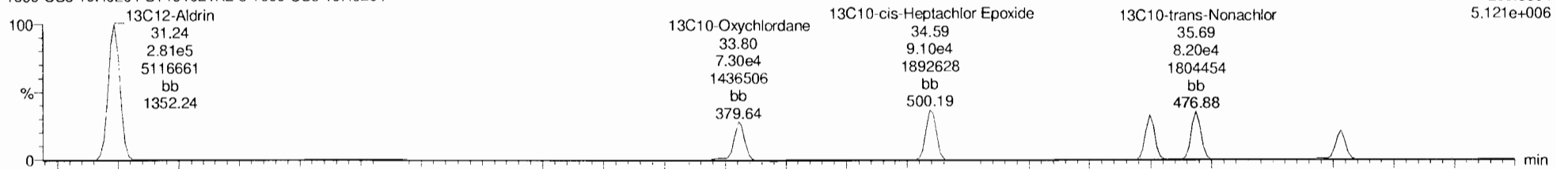
F3:Voltage SIR,EI+
264.8550
3.275e+006



Aldrin-EI-isotopes

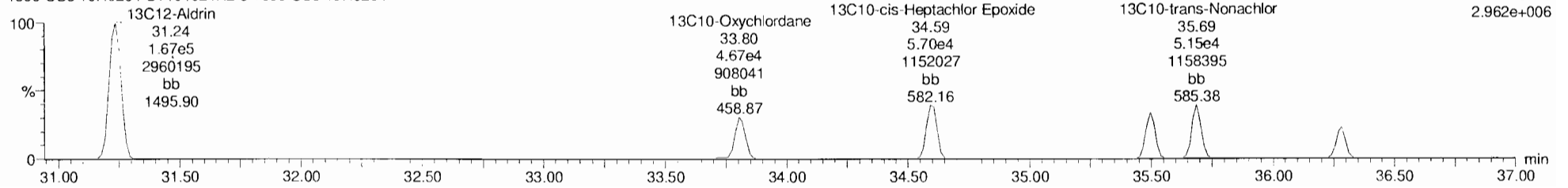
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

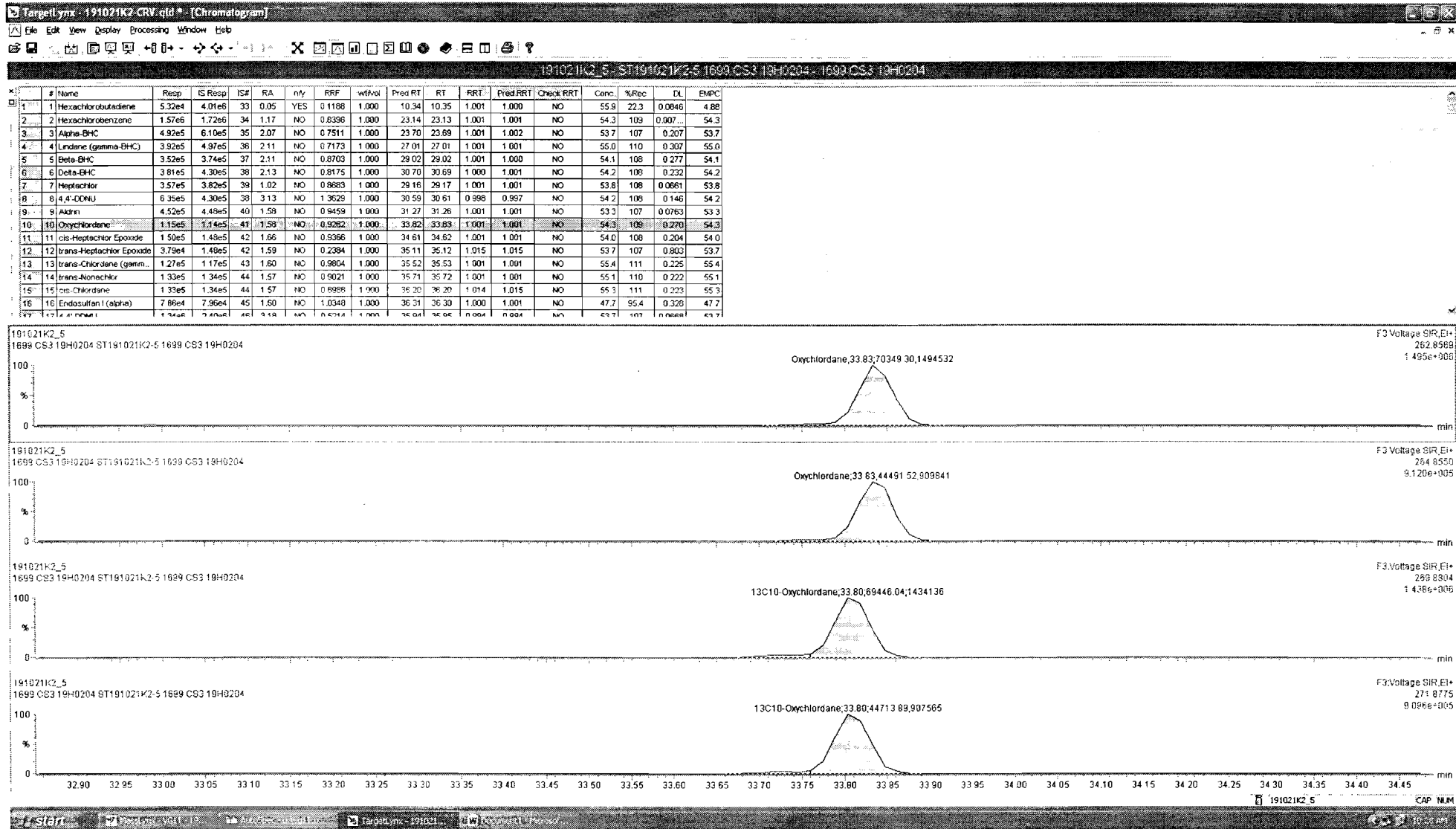
F3:Voltage SIR,EI+
269.8804
5.121e+006

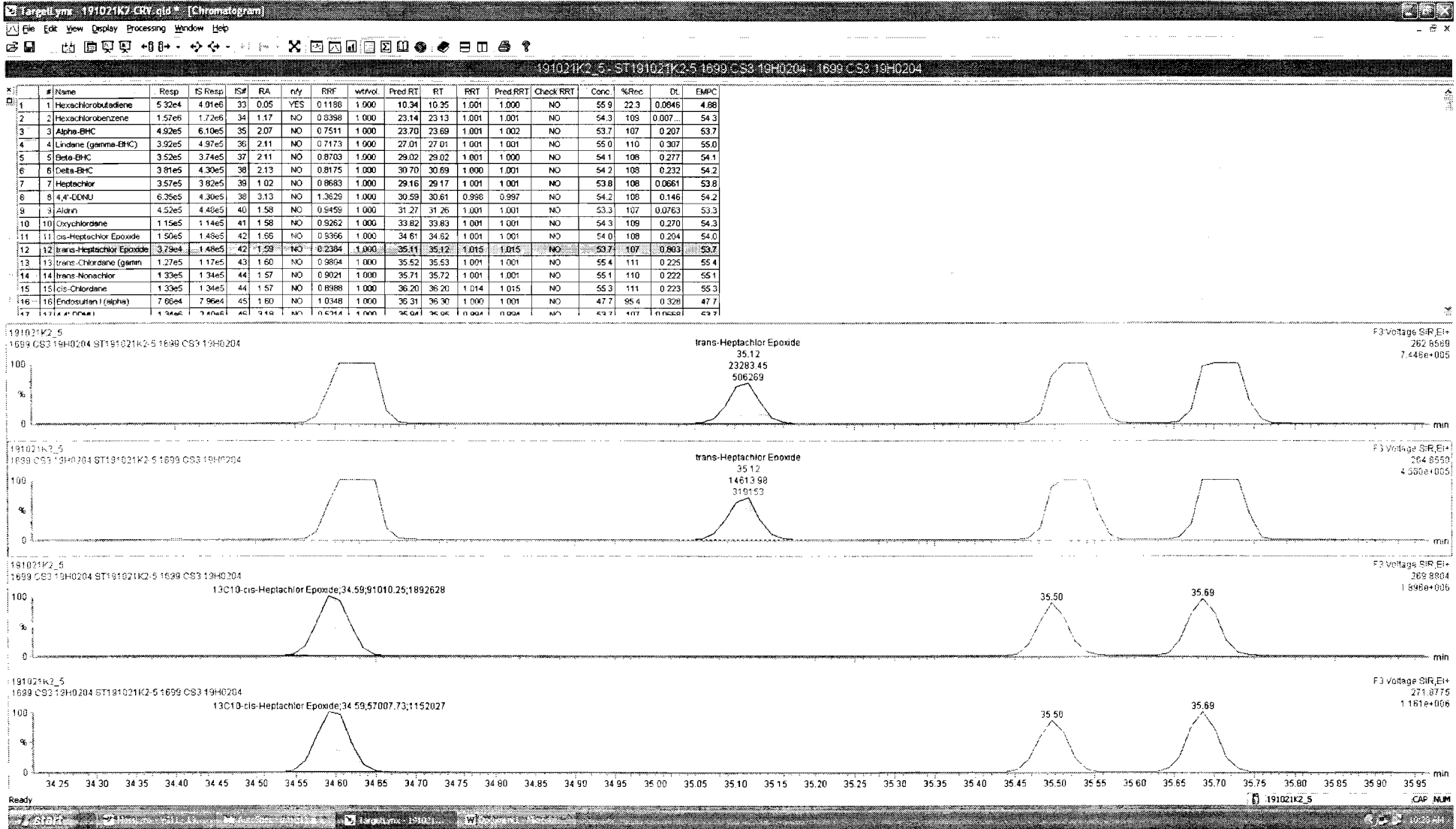


191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
271.8775
2.962e+006







Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

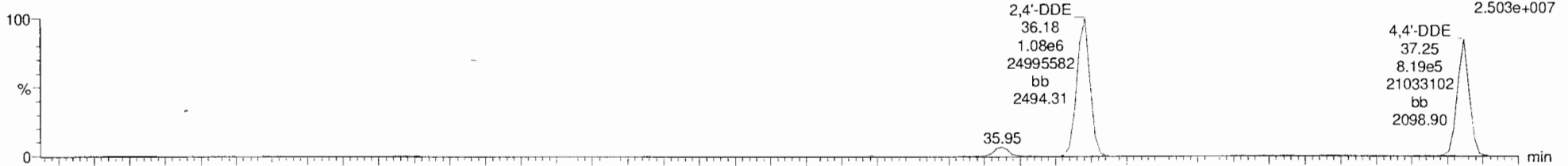
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

DDMU-DDE

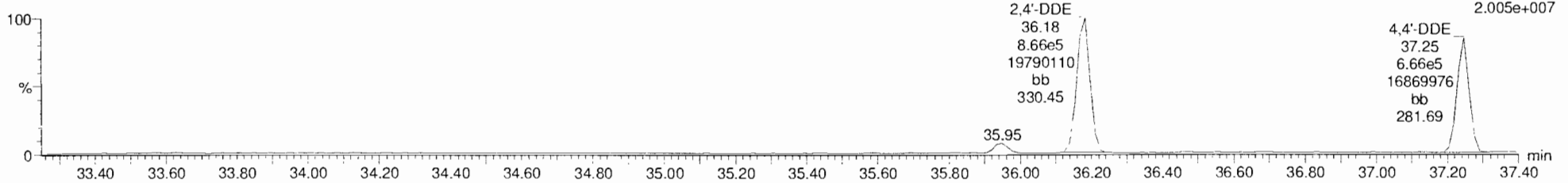
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
246.0003
2.503e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

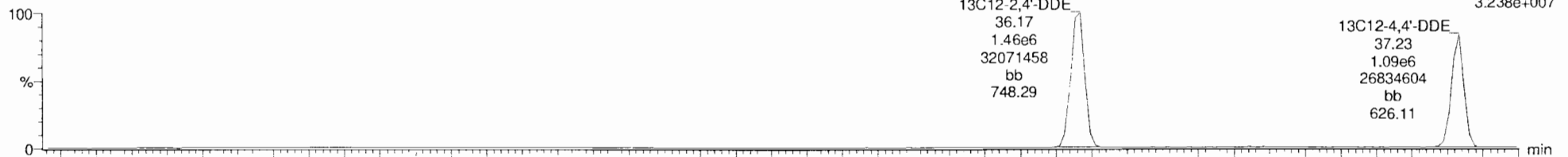
F3:Voltage SIR,EI+
247.9974
2.005e+007



DDE-isotopes

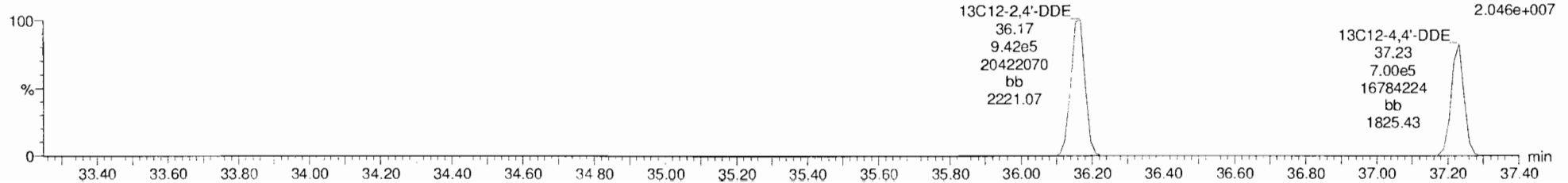
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
258.0406
3.238e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
260.0376
2.046e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

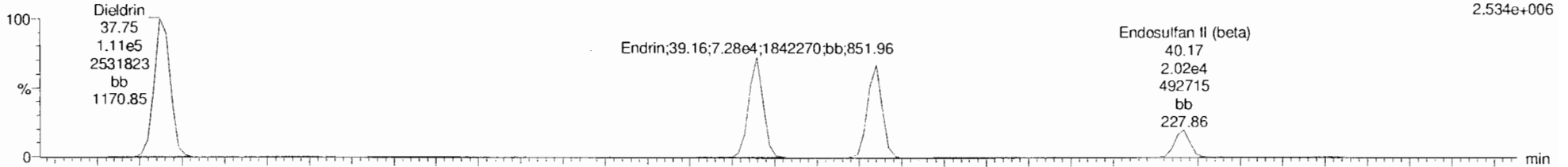
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Dieldrin-EII

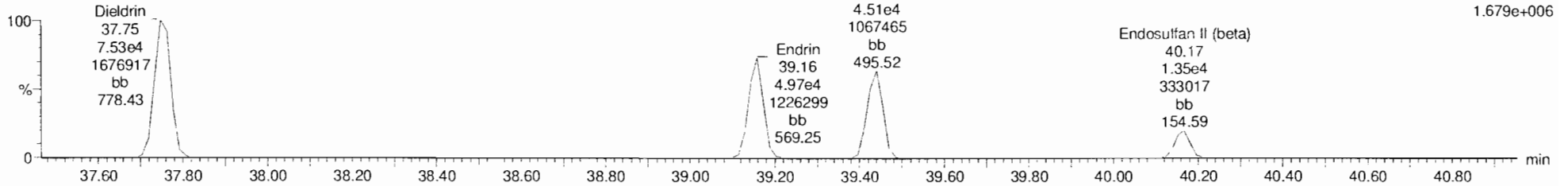
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
262.8569
2.534e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

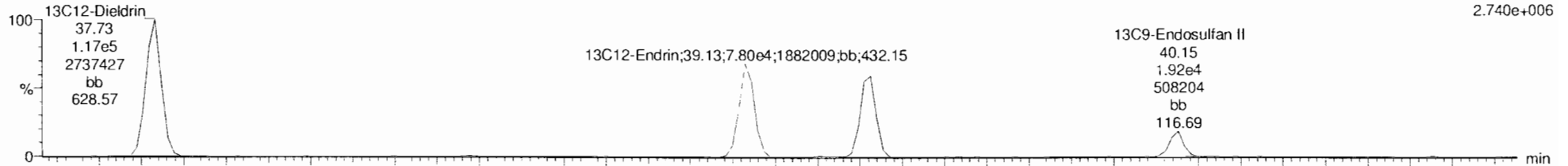
F4:Voltage SIR,EI+
264.8550
1.679e+006



Dieldrin-EII-isotopes

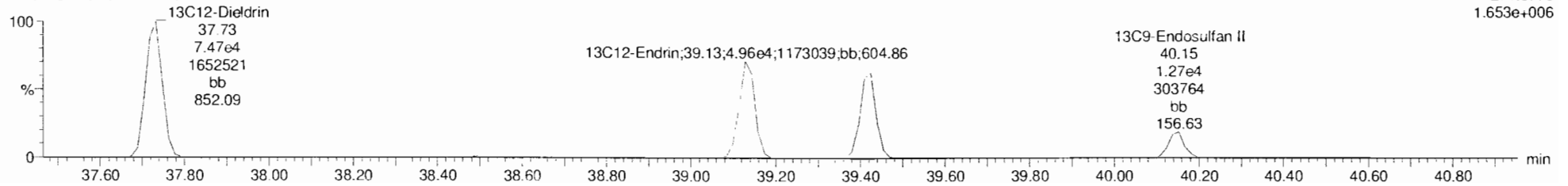
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

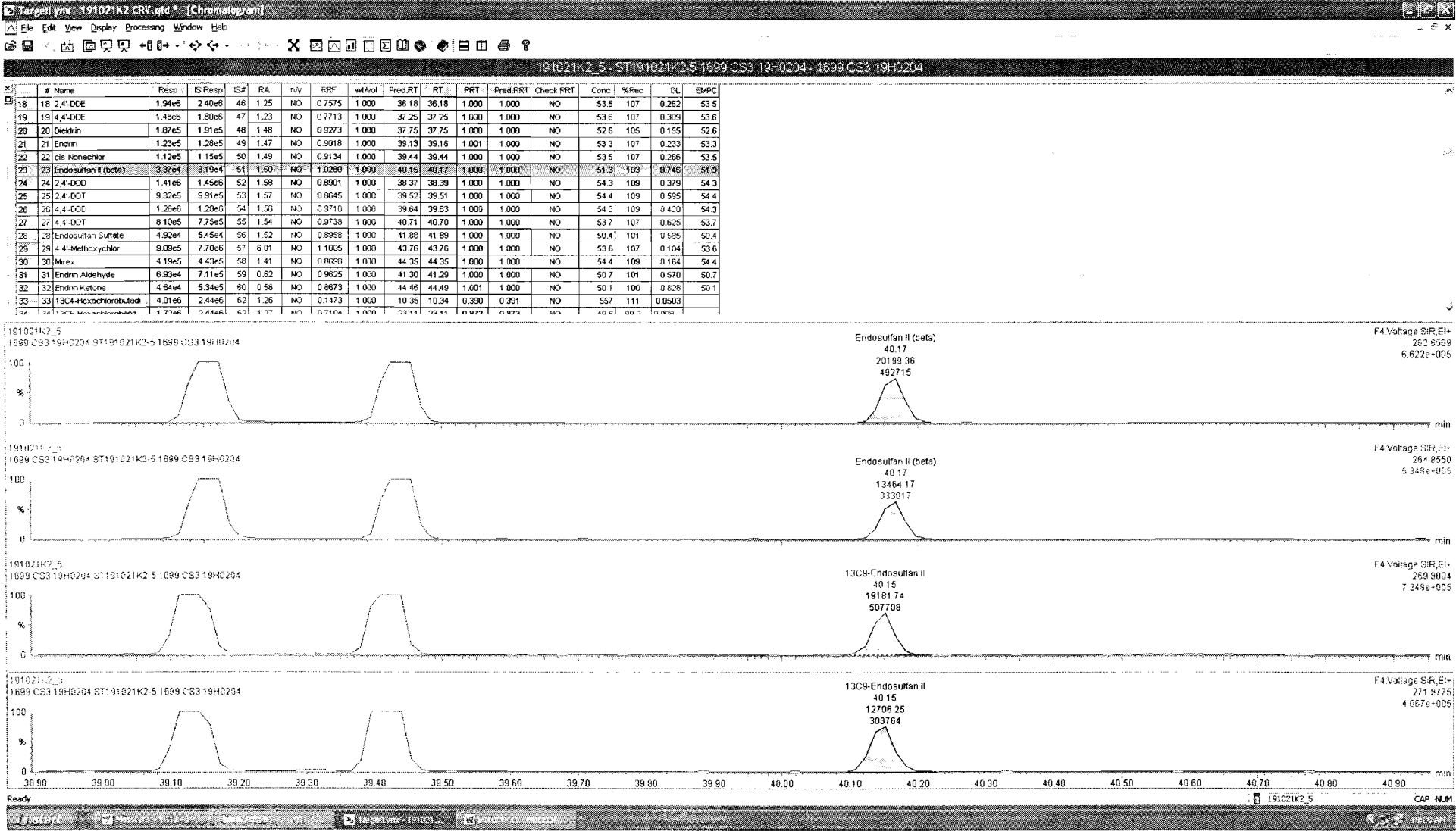
F4:Voltage SIR,EI+
269.8804
2.740e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
271.8775
1.653e+006





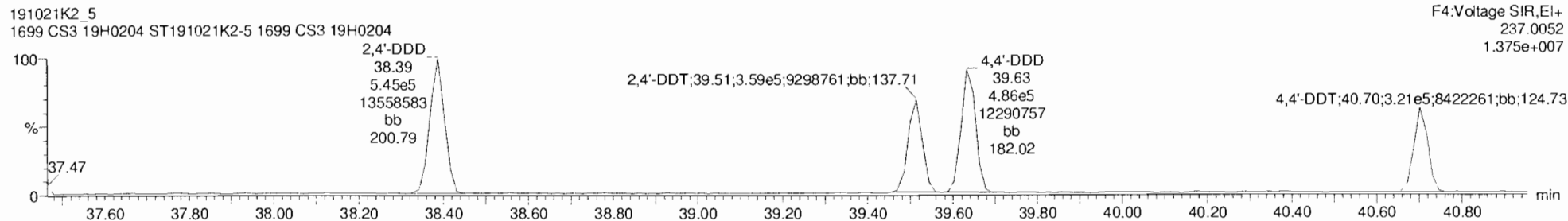
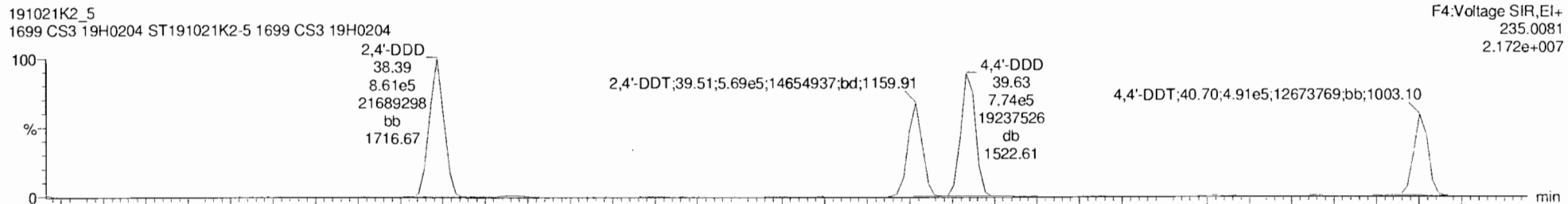
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Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

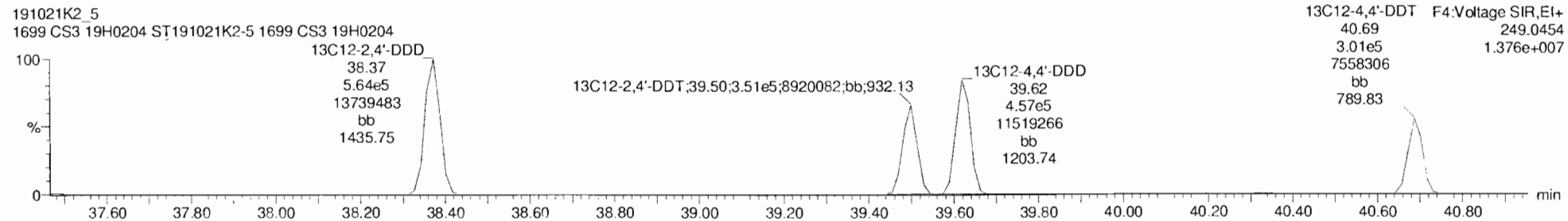
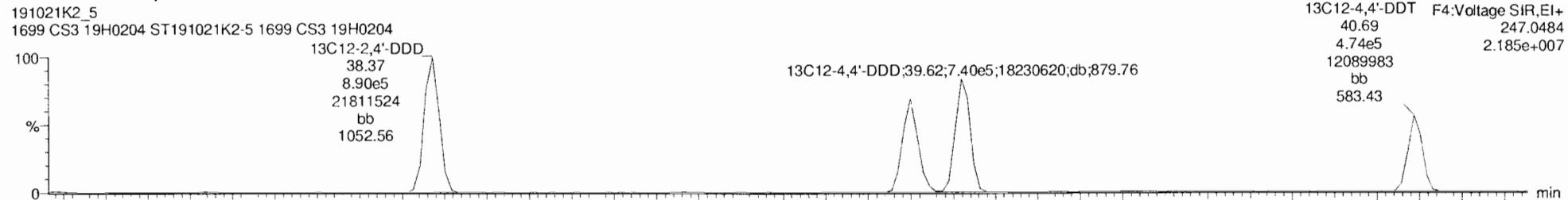
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

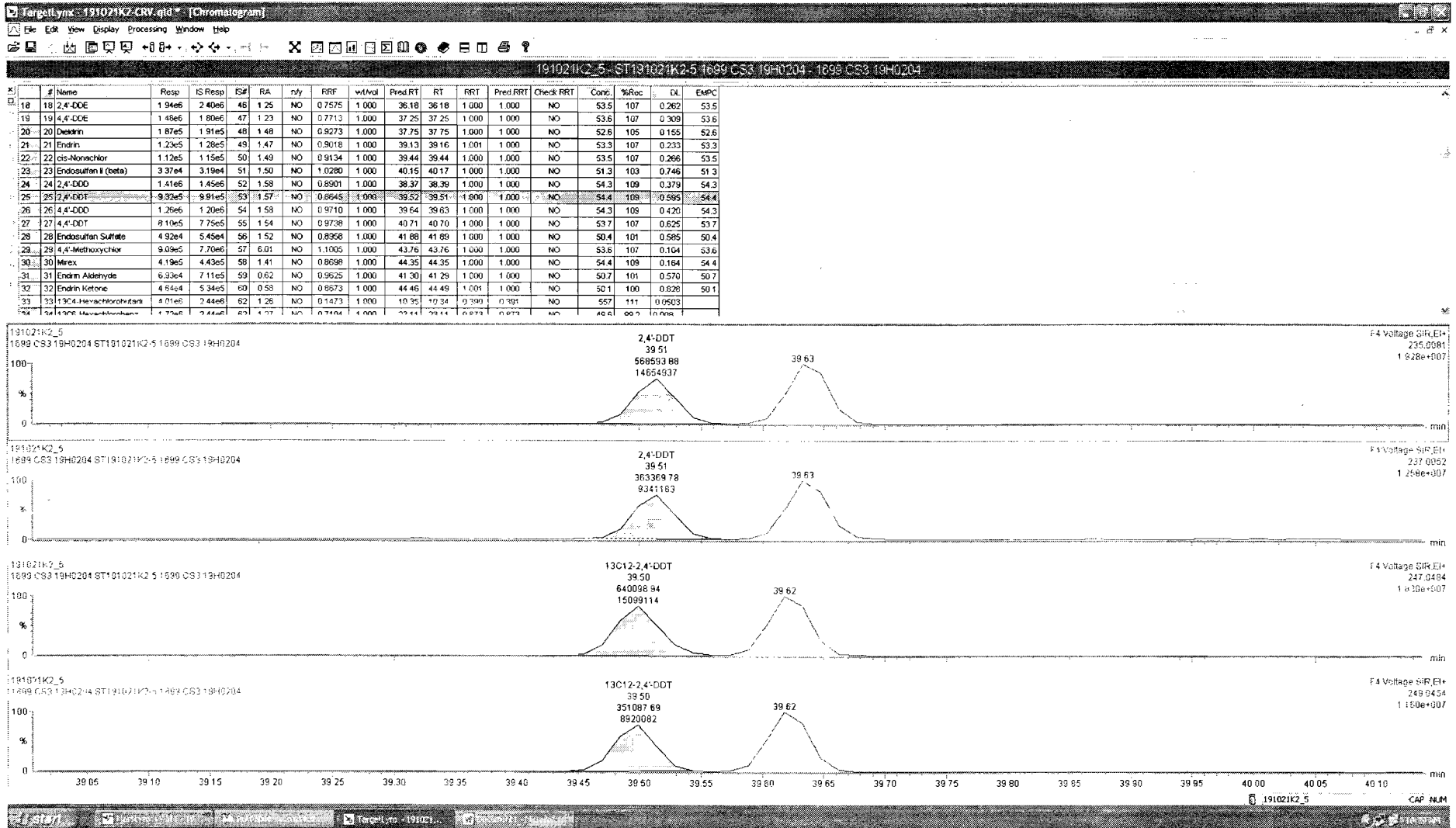
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DDD-DDT



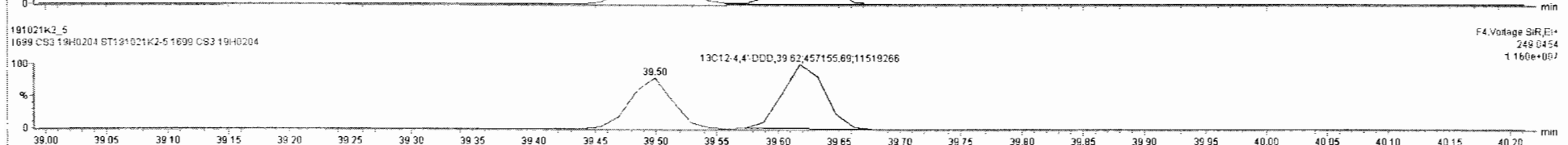
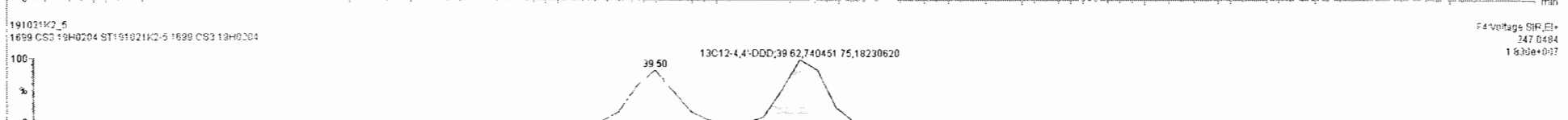
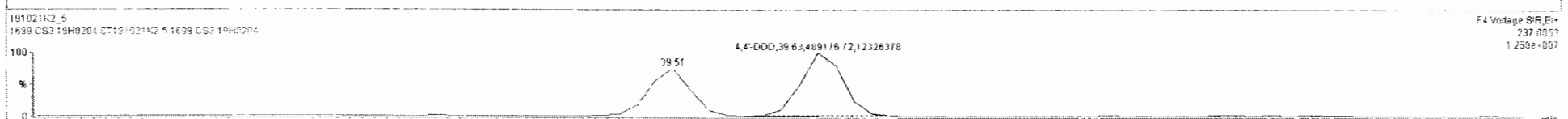
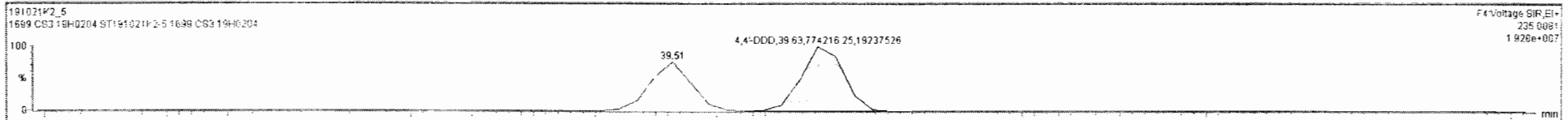
DDD-DDT-isotopes

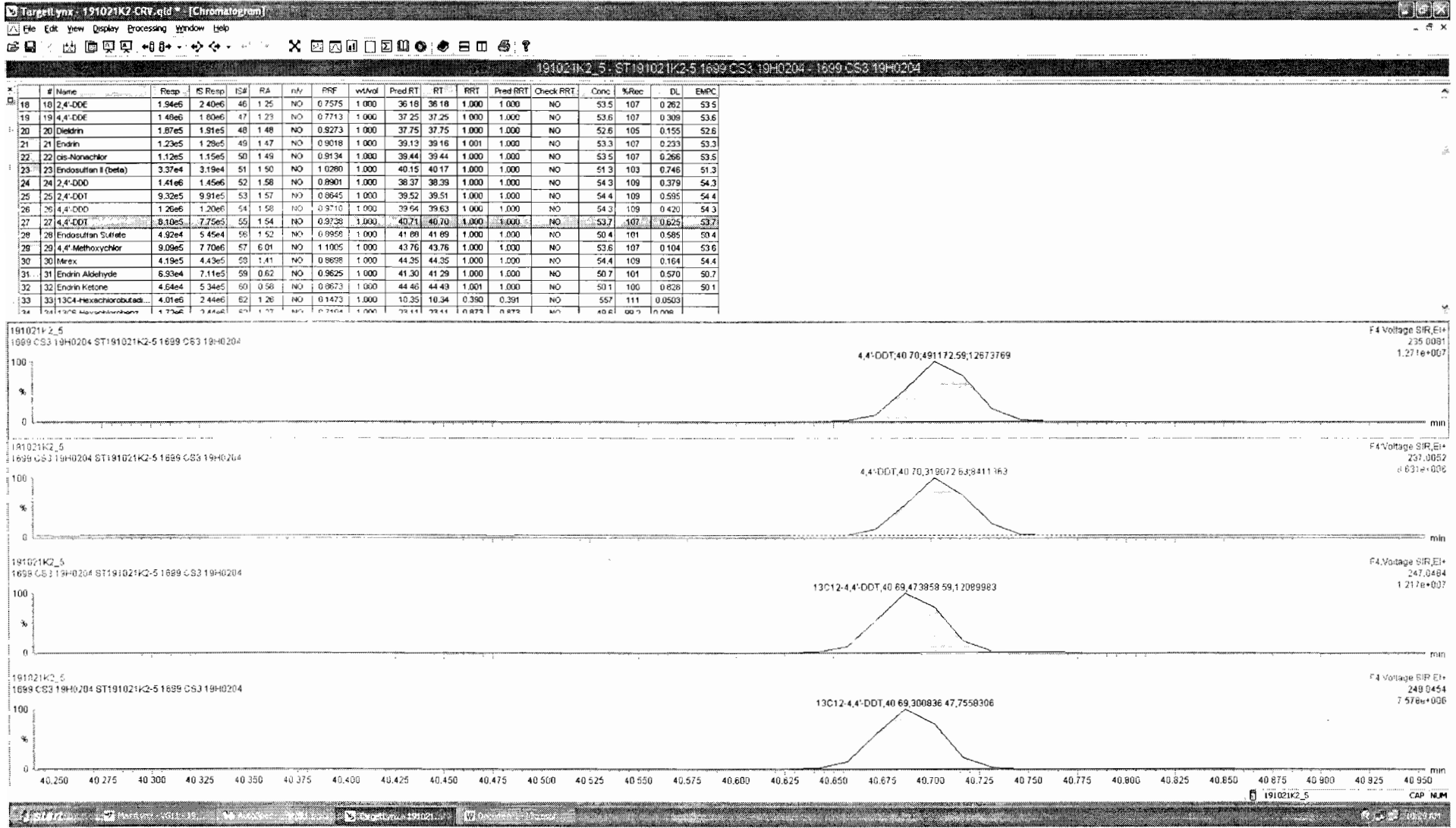




191021K2_5 - ST191021K2-5 1699 CS3 19H0204 - 1699 CS3 19H0204

#	Name	Resp	IS Resp	CS#	P#	IN#	RIF	wt/Vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	Dt.	EMPC
18	18 2,4-DCE	1.94e6	2.40e6	46	1.25	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	53.5	107	0.262	53.5
19	19 4,4'-DCE	1.48e6	1.80e6	47	1.23	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	53.6	107	0.305	53.6
20	20 Dieldrin	1.87e5	1.91e5	48	1.48	NO	0.9273	1.000	37.75	37.75	1.000	1.000	NO	52.6	105	0.155	52.6
21	21 Endrin	1.23e5	1.28e5	49	1.47	NO	0.9018	1.000	39.13	39.16	1.001	1.000	NO	53.3	107	0.233	53.3
22	22 cis-Nonachlor	1.12e5	1.15e5	50	1.49	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	53.5	107	0.266	53.5
23	23 Endosulfan f (beta)	3.37e4	3.19e4	51	1.50	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	51.3	103	0.746	51.3
24	24 2,4'-DDD	1.41e6	1.45e6	52	1.58	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	54.3	109	0.379	54.3
25	25 2,4'-DDT	9.32e5	9.91e5	53	1.57	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	54.4	109	0.595	54.4
26	26 4,4'-DDD	1.26e6	1.20e6	54	1.53	NO	0.9170	1.000	39.64	39.63	1.000	1.000	NO	54.3	109	0.420	54.3
27	27 4,4'-DDT	8.10e5	7.75e5	55	1.54	NO	0.9738	1.000	40.71	40.70	1.000	1.000	NO	53.7	107	0.625	53.7
28	28 Endosulfan Sulfate	4.92e4	5.45e4	56	1.52	NO	0.8958	1.000	41.98	41.89	1.000	1.000	NO	50.4	101	0.555	50.4
29	29 4,4'-Methoxychlor	9.09e5	7.70e5	57	6.01	NO	1.1005	1.000	43.76	43.76	1.000	1.000	NO	53.6	107	0.104	53.6
30	30 Mirex	4.19e5	4.43e5	58	1.41	NO	0.8698	1.000	44.35	44.35	1.000	1.000	NO	54.4	109	0.164	54.4
31	31 Endrin Aldehyde	6.93e4	7.11e5	59	0.62	NO	0.9625	1.000	41.30	41.29	1.000	1.000	NO	50.7	101	0.570	50.7
32	32 Endrin Ketone	4.64e4	5.34e5	60	0.56	NO	0.8673	1.000	44.46	44.49	1.001	1.000	NO	50.1	100	0.828	50.1
33	33 13C4-Hexachlorobutadi	4.01e6	2.44e6	62	1.26	NO	0.1473	1.000	10.35	10.34	0.390	0.391	NO	55.7	111	0.0503	
34	34 13C4-Hexachlorobutadi	4.73e6	2.44e6	62	1.27	NO	0.1464	1.000	10.35	10.34	0.973	0.973	NO	46.6	99.7	0.008	





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

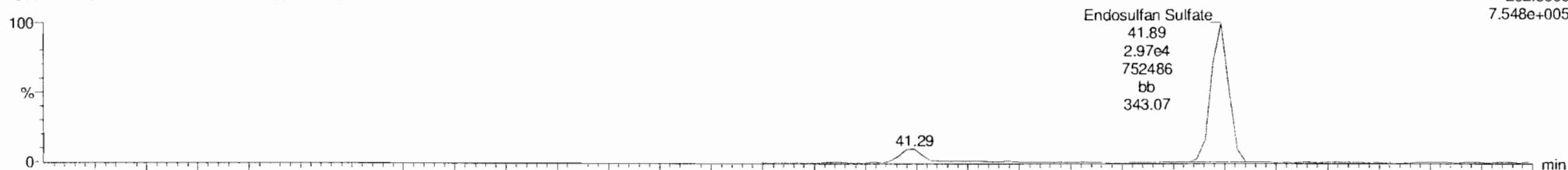
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Endosulfan Sulfate

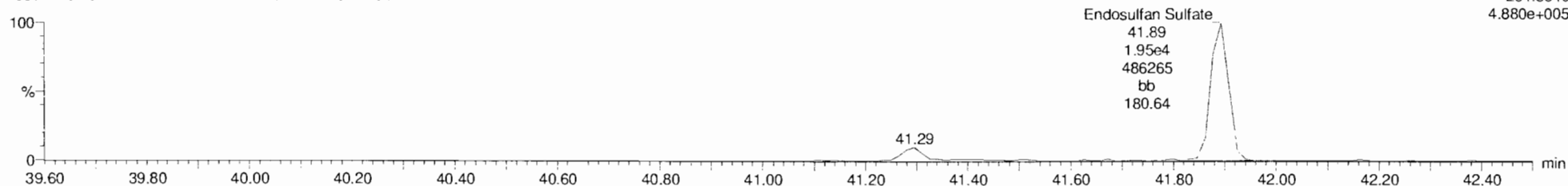
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
262.8569
7.548e+005



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

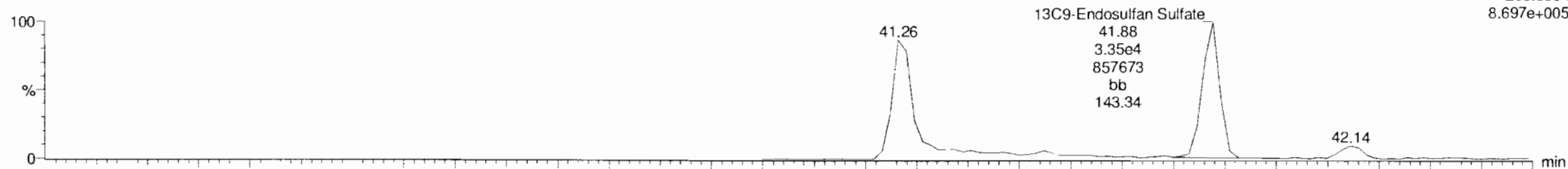
F5:Voltage SIR,EI+
264.8540
4.880e+005



13C9-Endosulfan Sulfate

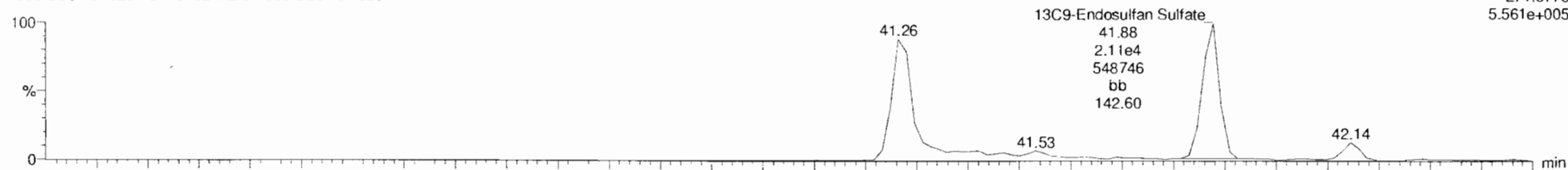
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
269.8804
8.697e+005



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
271.8775
5.561e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

4,4'-Methoxychlor

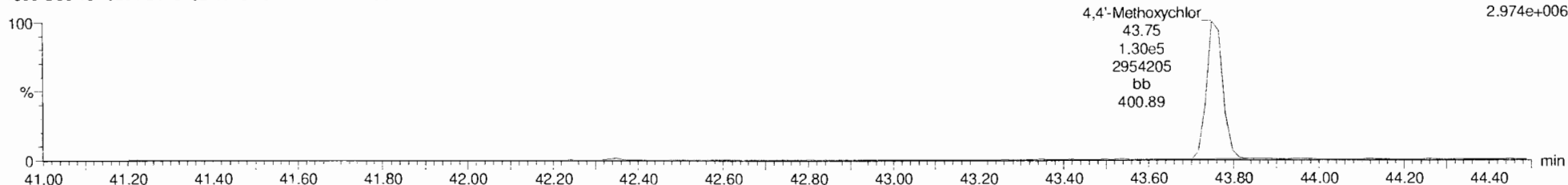
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
227.1072
1.795e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
228.1106
2.974e+006



13C12-Methoxychlor

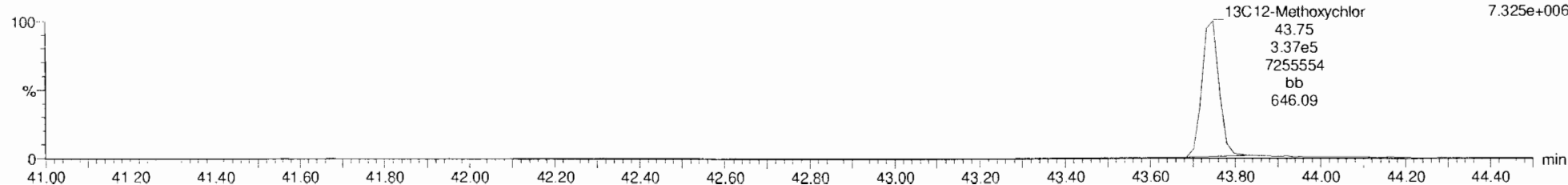
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

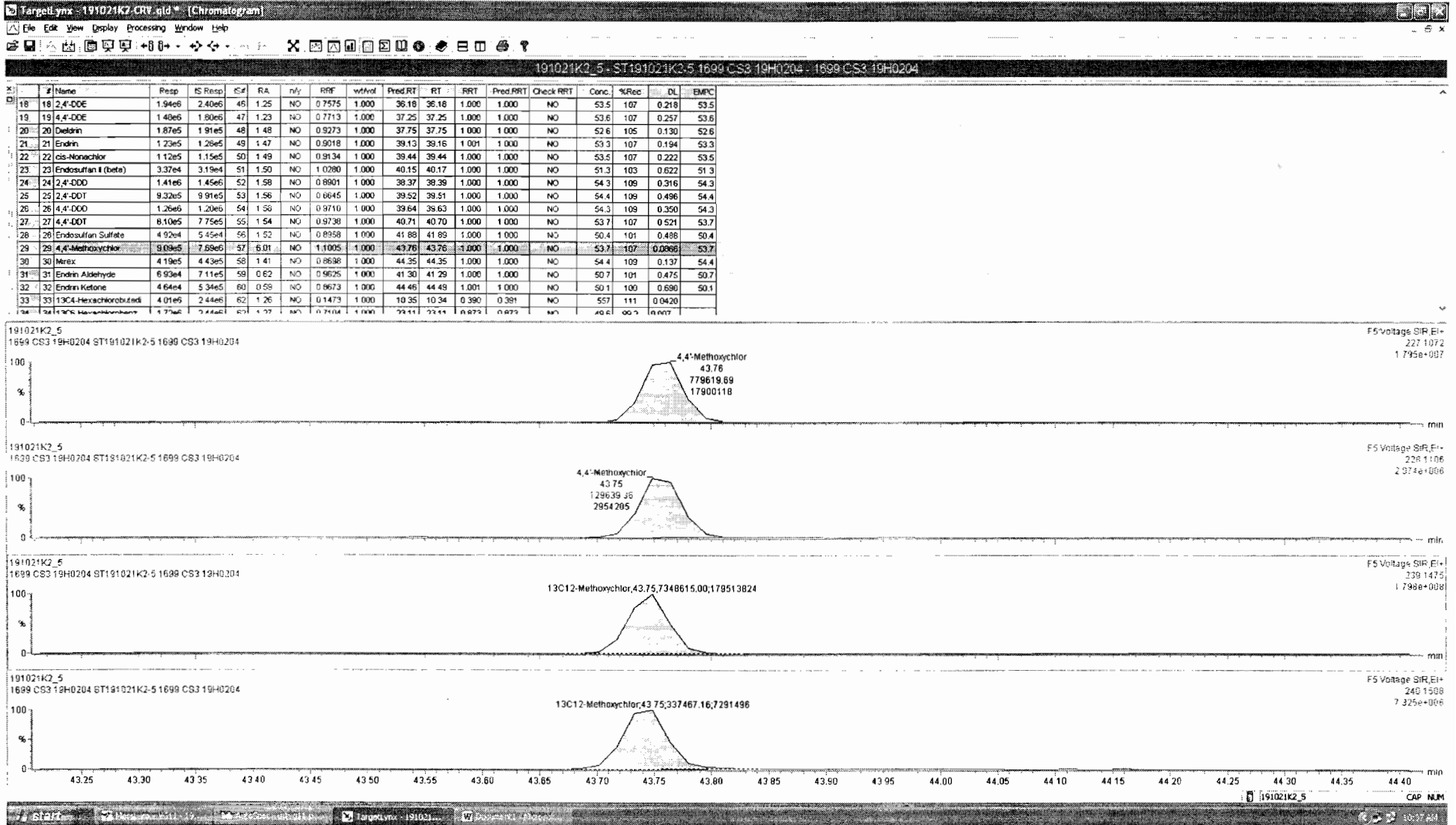
F5:Voltage SIR,EI+
239.1475
1.798e+008



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
240.1508
7.325e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

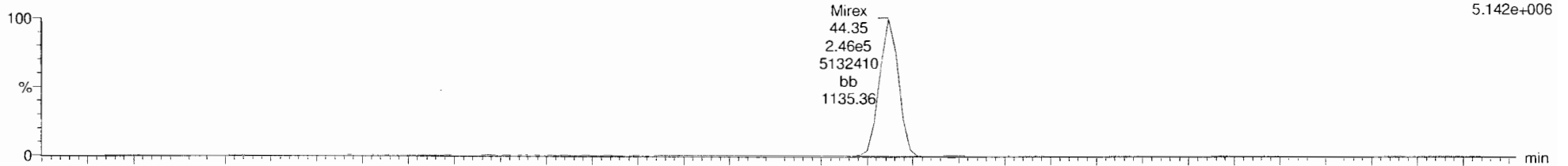
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

Mirex

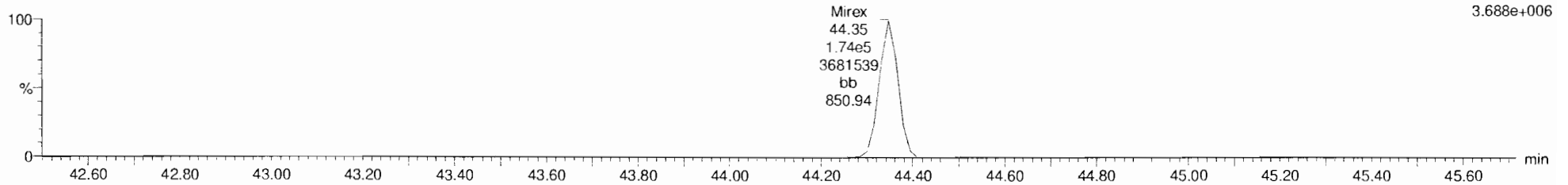
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
236.8413
5.142e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

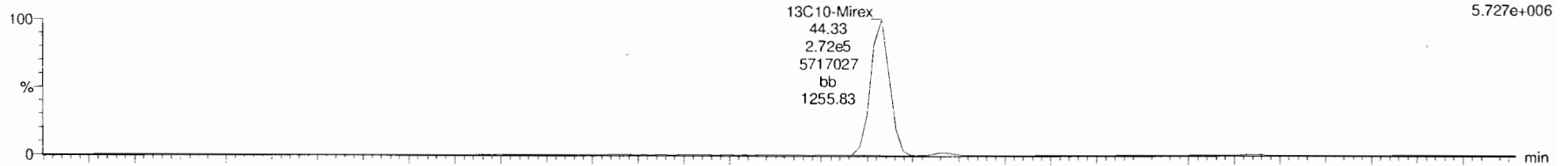
F5:Voltage SIR,EI+
238.8384
3.688e+006



13C10-Mirex

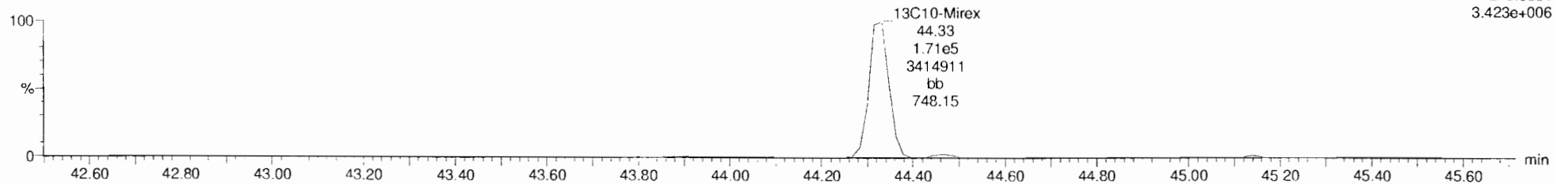
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
241.8581
5.727e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
243.8551
3.423e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

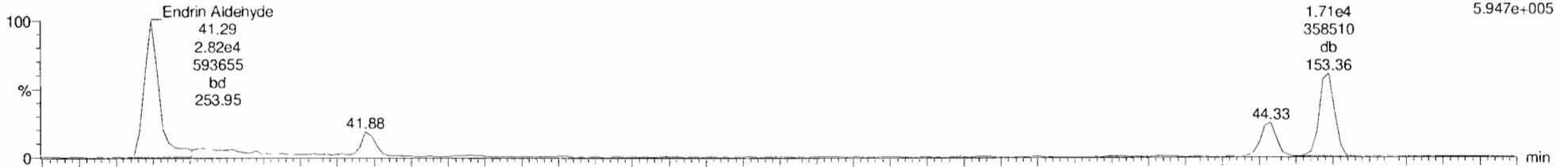
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

EA-EK

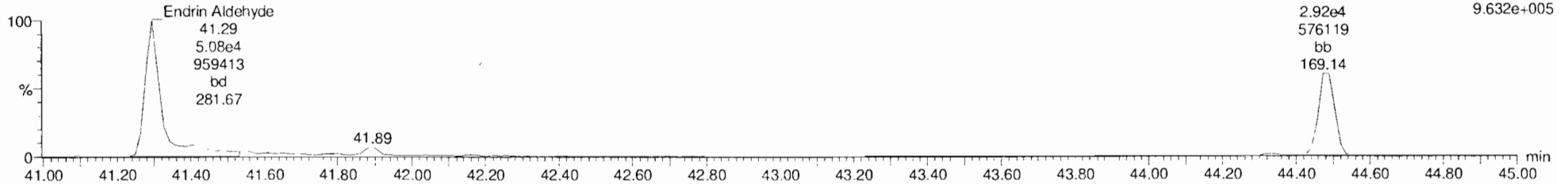
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

Endrin Ketone
44.49
1.71e4
358510
db
153.36
F5:Voltage SIR,EI+
247.8521
5.947e+005



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

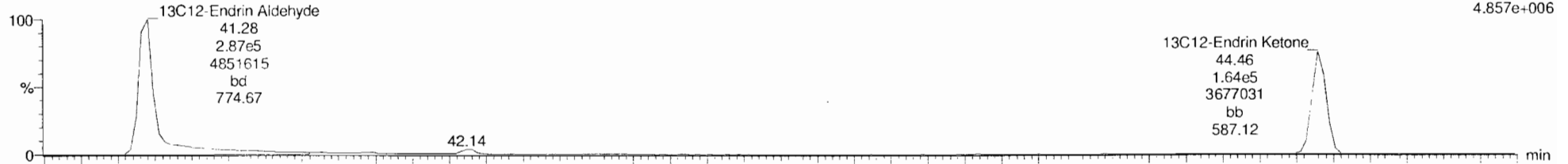
Endrin Ketone
44.47
2.92e4
576119
bb
169.14
F5:Voltage SIR,EI+
249.8491
9.632e+005



EA-EK-isotopes

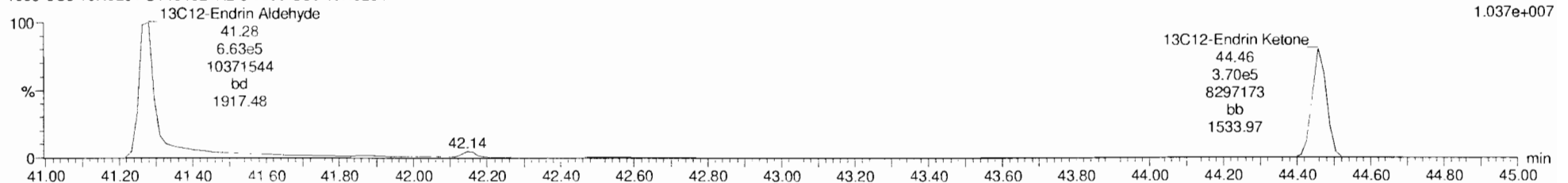
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

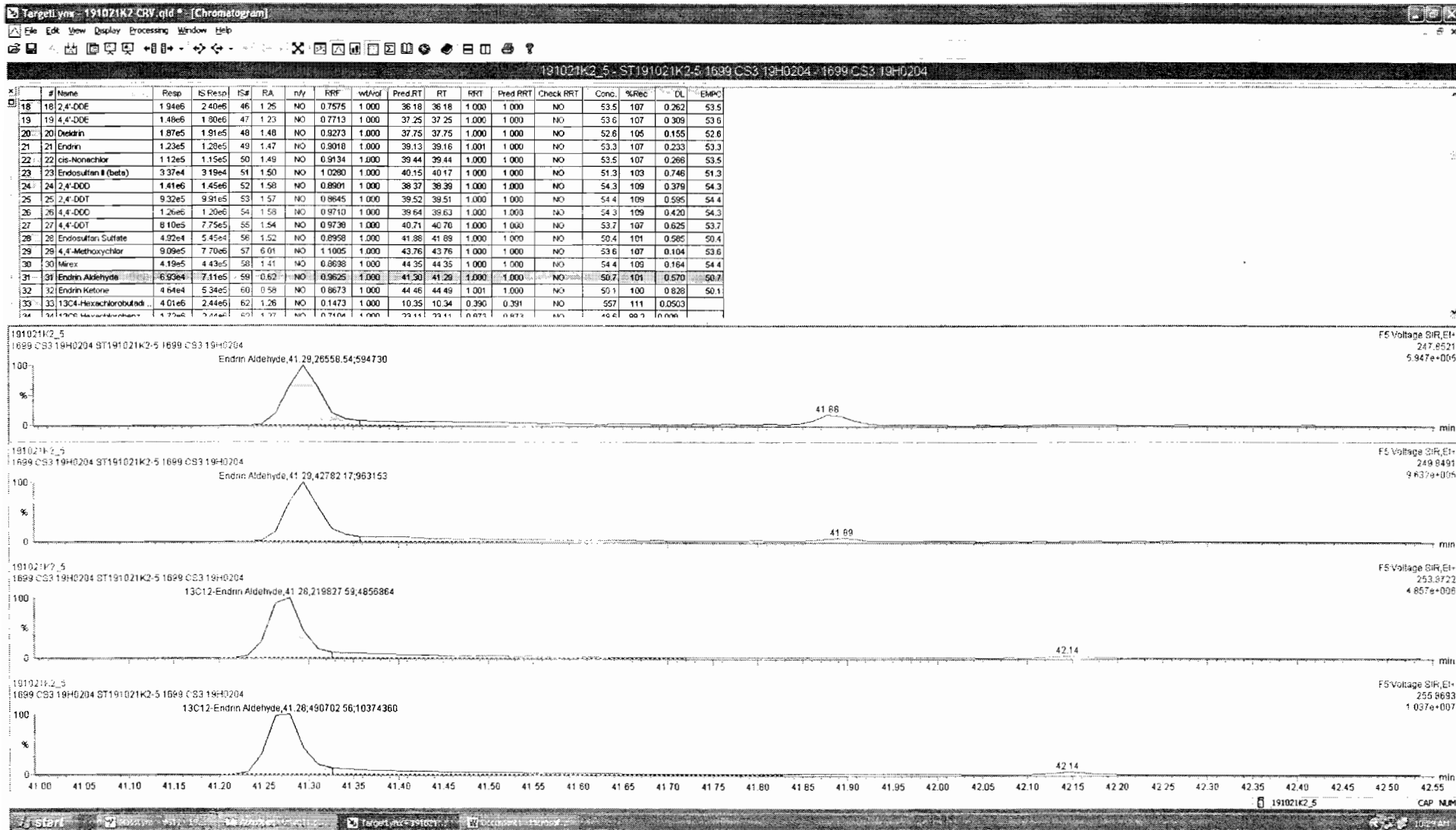
F5:Voltage SIR,EI+
253.8722
4.857e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F5:Voltage SIR,EI+
255.8693
1.037e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

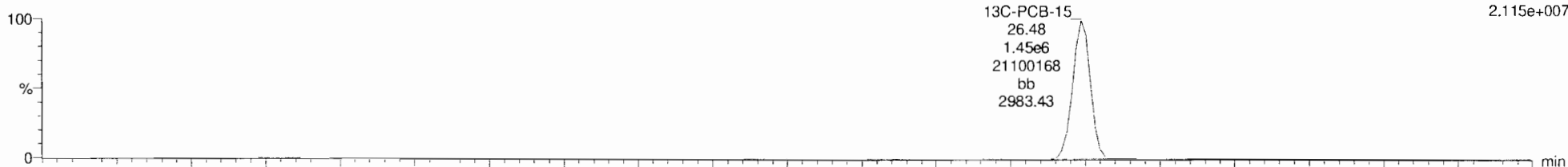
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_5, Date: 21-Oct-2019, Time: 16:19:52, ID: ST191021K2-5 1699 CS3 19H0204, Description: 1699 CS3 19H0204

13C-PCB-15

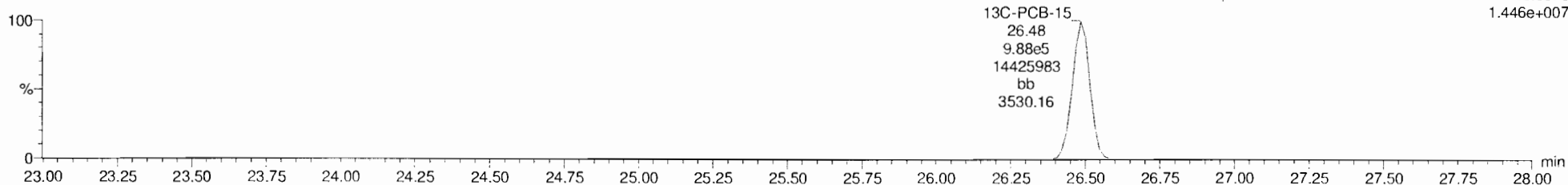
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F2:Voltage SIR,EI+
234.0406
2.115e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

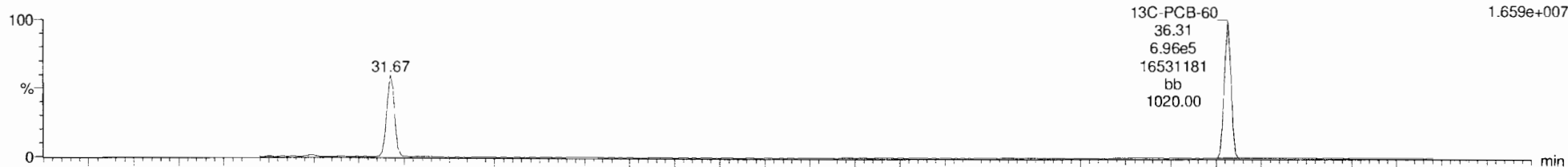
F2:Voltage SIR,EI+
236.0376
1.446e+007



13C-PCB-60

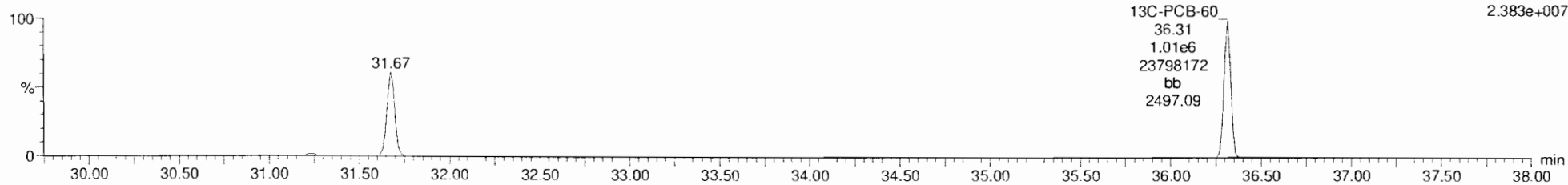
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
301.9626
1.659e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F3:Voltage SIR,EI+
303.9597
2.383e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

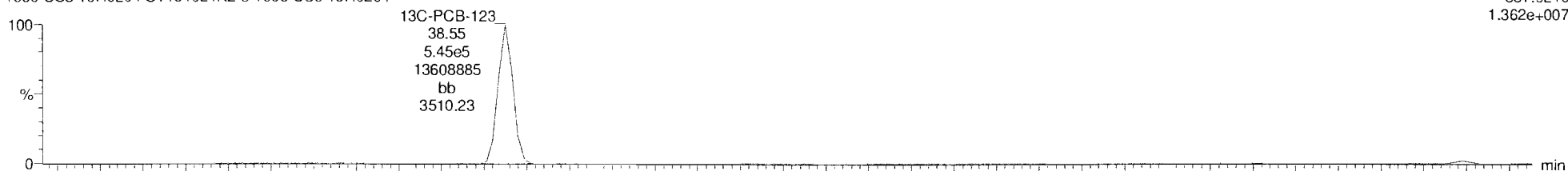
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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13C-PCB-123

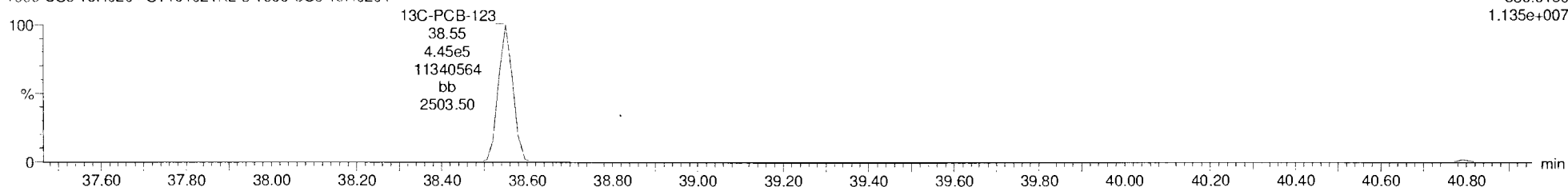
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
337.9210
1.362e+007



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

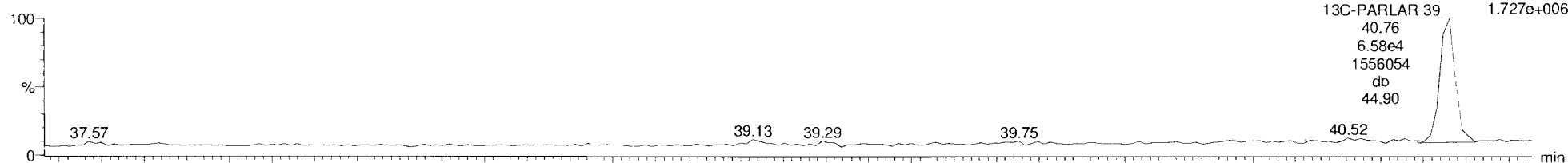
F4:Voltage SIR,EI+
339.9180
1.135e+007



13C-PARLAR 39

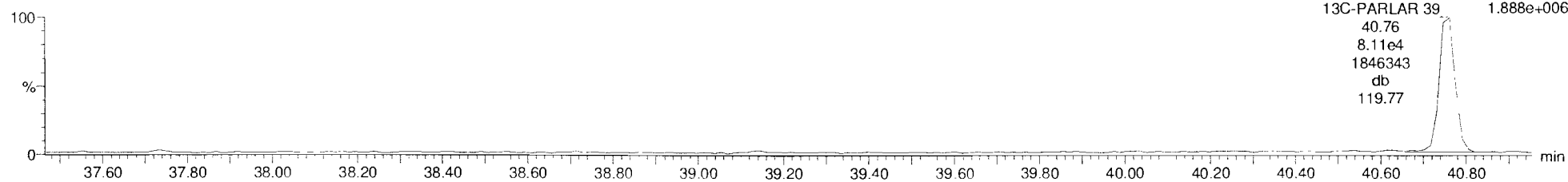
191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
251.9648
1.727e+006



191021K2_5
1699 CS3 19H0204 ST191021K2-5 1699 CS3 19H0204

F4:Voltage SIR,EI+
253.9619
1.888e+006



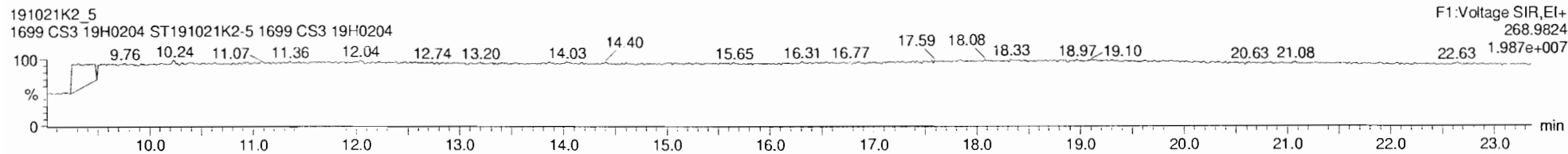
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

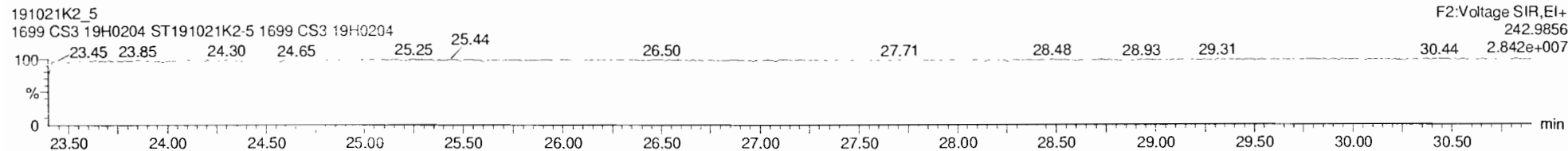
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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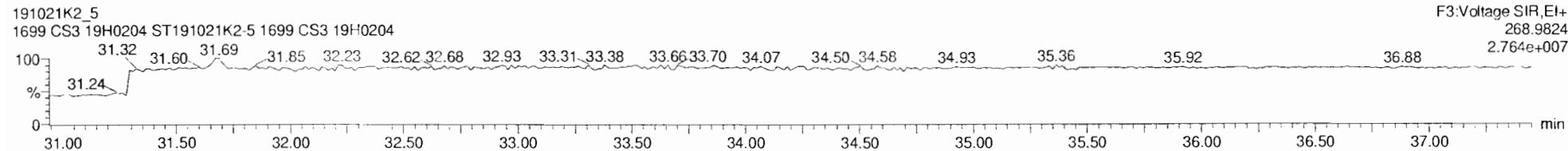
PFK1



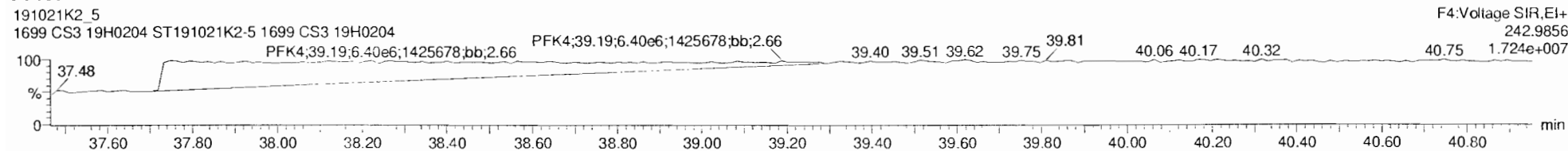
PFK2



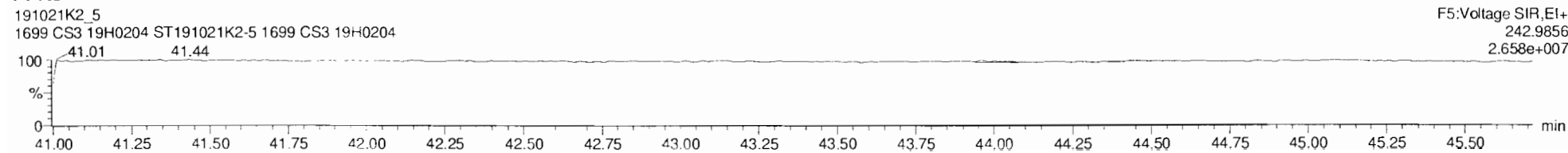
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Hexachlorobenzene

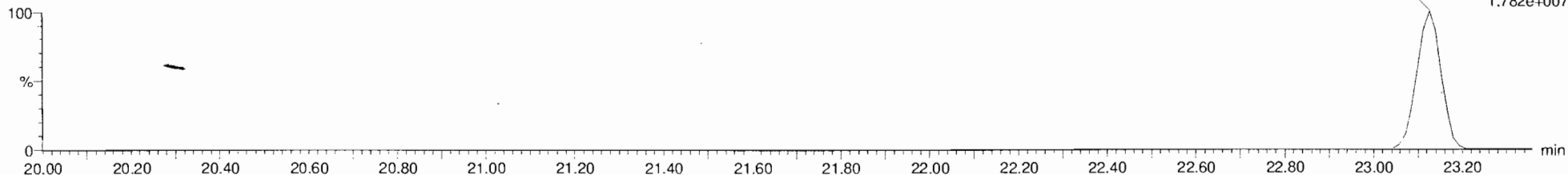
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
Hexachlorobenzene;23.13;1.29e6;20280386;bb;37754.29
283.8102
2.030e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
Hexachlorobenzene;23.13;1.11e6;17797592;bb;24175.17
285.8072
1.782e+007



13C6-Hexachlorobenzene

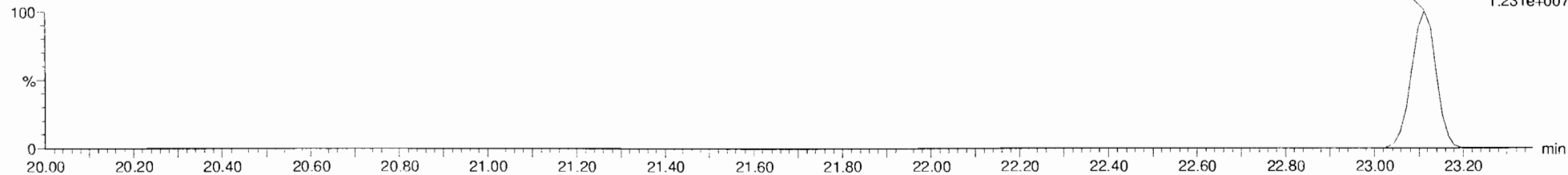
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.11;9.90e5;15629528;bb;18697.29
289.8303
1.565e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F1:Voltage SIR,EI+
13C6-Hexachlorobenzene;23.11;7.81e5;12302677;bb;14808.67
291.8273
1.231e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

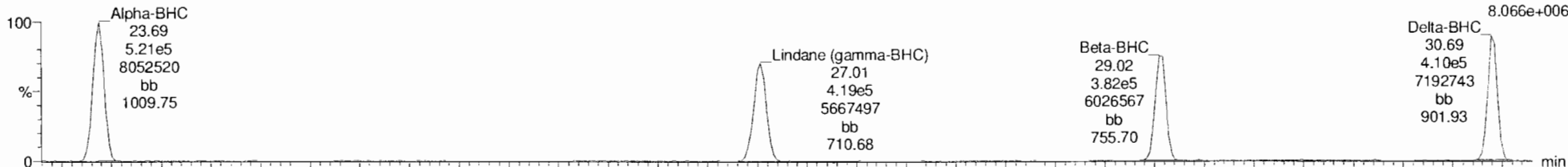
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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BHC Totals

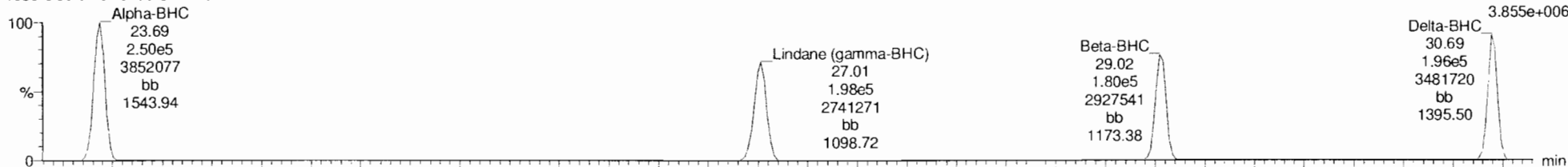
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
218.9116
8.066e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

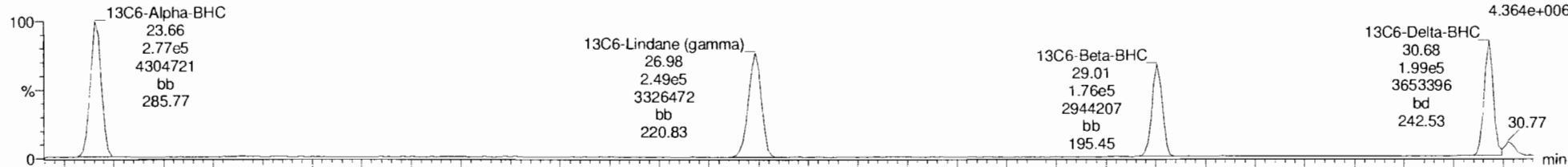
F2:Voltage SIR,EI+
220.9086
3.855e+006



BHC-isotopes

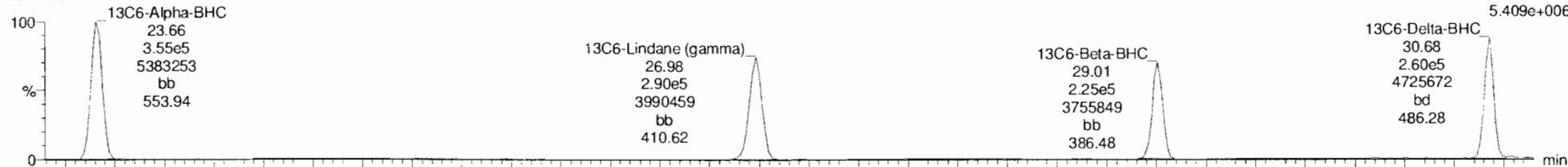
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
222.9346
4.364e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
224.9317
5.409e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Heptachlor

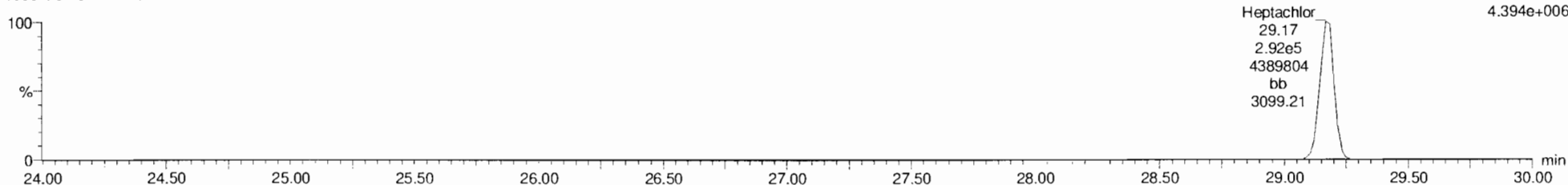
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
271.8102
4.548e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

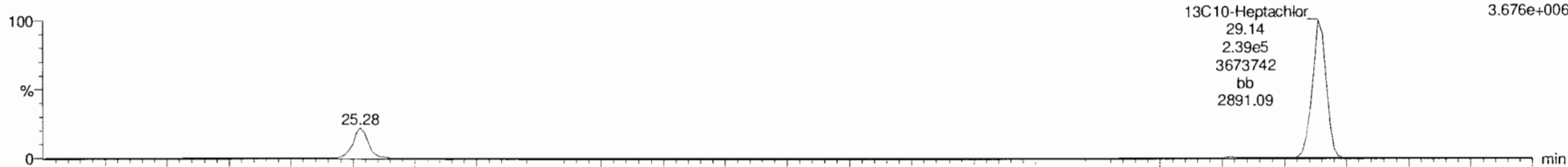
F2:Voltage SIR,EI+
273.8072
4.394e+006



13C10-Heptachlor

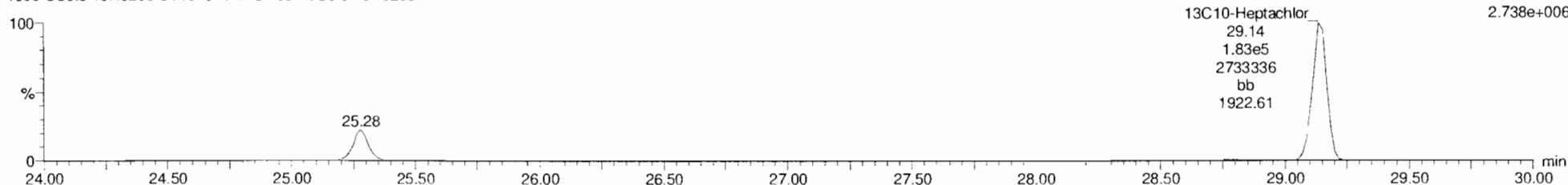
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
276.8269
3.676e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage SIR,EI+
278.8240
2.738e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

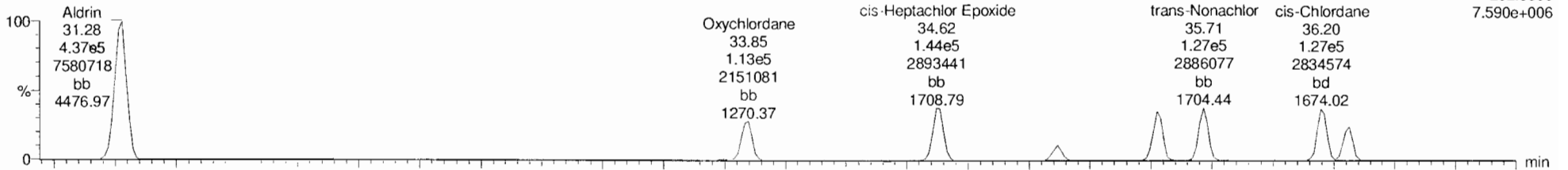
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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Aldrin-EI

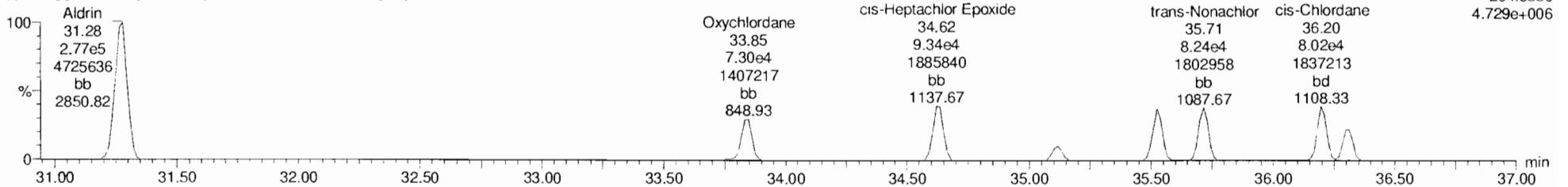
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
262.8569
7.590e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

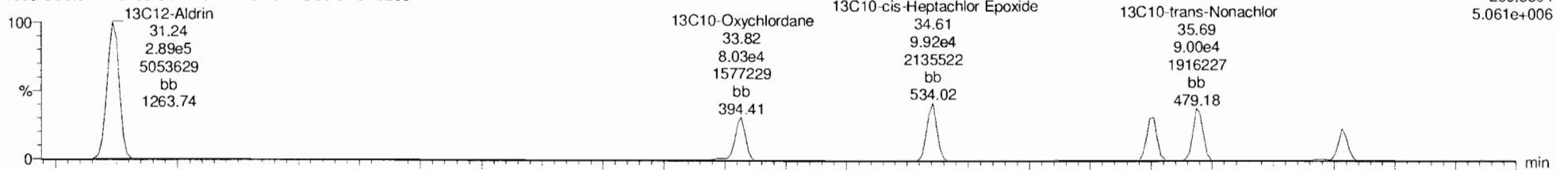
F3:Voltage SIR,EI+
264.8550
4.729e+006



Aldrin-EI-isotopes

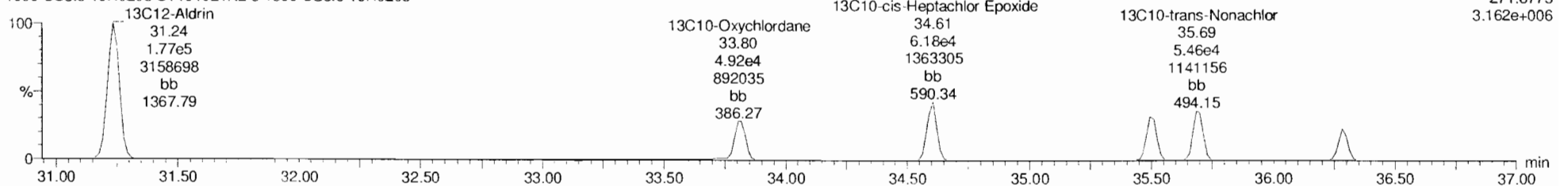
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
269.8804
5.061e+006

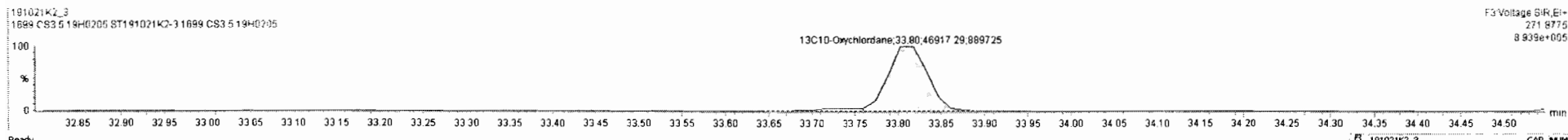
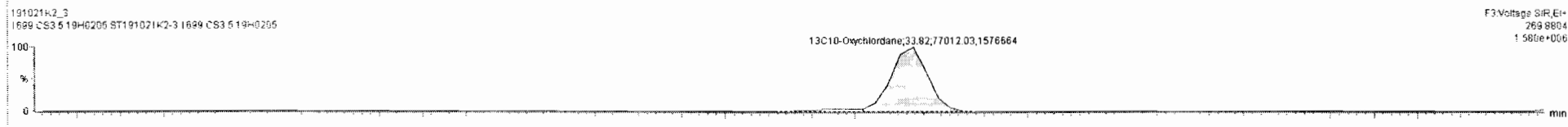
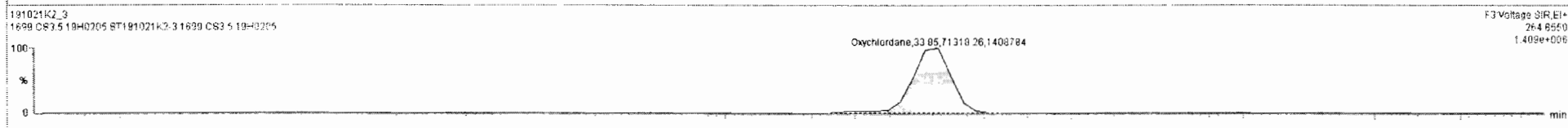
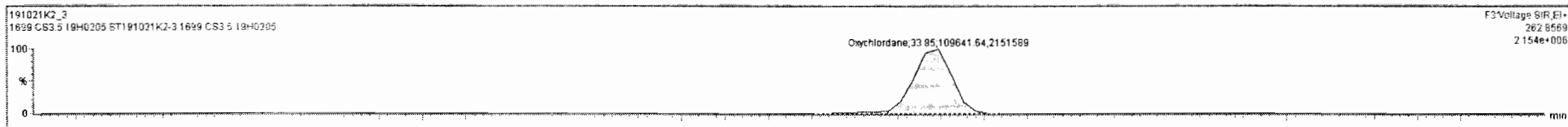


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage SIR,EI+
271.8775
3.162e+006



#	Name	Resp	IS Resp	IS#	RA	n/Y	RRF...	wtAve	Pred RT	RT	PRT	Pred PRT	Check PRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	5.62e4	3.96e6	33	0.04	YES	0.1188	1.000	10.34	10.35	1.001	1.000	NO	59.8	12.0	0.0979	4.10
2	Hexachlorobenzene	2.41e6	1.77e6	34	1.16	NO	0.8398	1.000	23.14	23.13	1.001	1.001	NO	80.9	80.9	0.008	80.9
3	Alpha-EHC	7.71e5	6.32e5	35	2.09	NO	0.7511	1.000	23.70	23.69	1.001	1.002	NO	81.2	81.2	0.213	81.2
4	Lindene (gamma-EHC)	6.18e5	5.39e5	36	2.11	NO	0.7173	1.000	27.01	27.01	1.001	1.001	NO	79.9	79.9	0.304	79.9
5	Beta-EHC	5.62e5	4.01e5	37	2.12	NO	0.8703	1.000	29.02	29.02	1.001	1.000	NO	80.5	80.5	0.269	80.5
6	Delta-EHC	6.09e5	4.59e5	38	2.09	NO	0.8175	1.000	30.70	30.69	1.000	1.001	NO	80.7	80.7	0.228	80.7
7	Heptachlor	5.93e5	4.22e5	39	1.03	NO	0.8683	1.000	29.16	29.17	1.001	1.001	NO	81.0	81.0	0.0665	81.0
8	4,4'-DDNU	1.01e6	4.58e5	33	3.13	NO	1.3629	1.000	30.53	30.61	0.998	0.997	NO	80.9	80.9	0.165	80.9
9	Alarin	7.14e5	4.66e5	40	1.57	NO	0.9459	1.000	31.27	31.28	1.001	1.001	NO	80.9	80.9	0.0652	80.9
10	Oxychlorane	1.81e5	1.24e5	41	1.54	NO	0.8262	1.000	33.84	33.85	1.001	1.001	NO	78.8	78.8	0.214	78.8
11	cis-Heptachlor Epoxide	2.38e5	1.61e5	42	1.54	NO	0.8366	1.000	34.63	34.62	1.000	1.001	NO	78.8	78.8	0.155	78.8
12	trans-Heptachlor Epoxide	5.87e4	1.61e5	42	1.59	NO	0.2384	1.000	35.12	35.12	1.015	1.015	NO	76.5	76.5	0.608	76.5
13	trans-Chlordane (gam)	2.02e5	1.27e5	43	1.56	NO	0.9804	1.000	35.53	35.53	1.000	1.001	NO	81.1	81.1	0.198	81.1
14	trans-Nonachlor	2.09e5	1.45e5	44	1.54	NO	0.9021	1.000	35.71	35.72	1.001	1.001	NO	80.3	80.3	0.181	80.3
15	cis-Chlordane	2.07e5	1.45e5	44	1.58	NO	0.8988	1.000	36.20	36.20	1.014	1.015	NO	79.8	79.8	0.182	79.8
16	Endosulfan I (alpha)	1.31e5	8.43e4	45	1.61	NO	1.0348	1.000	36.31	36.31	1.001	1.001	NO	75.1	75.1	0.256	75.1



Dataset: Untitled

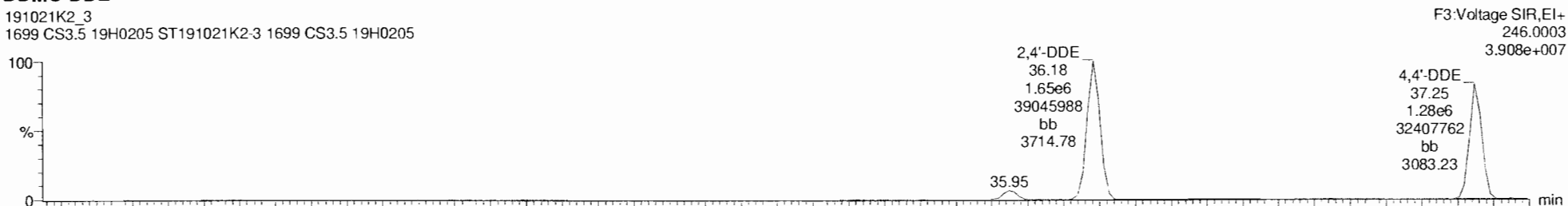
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

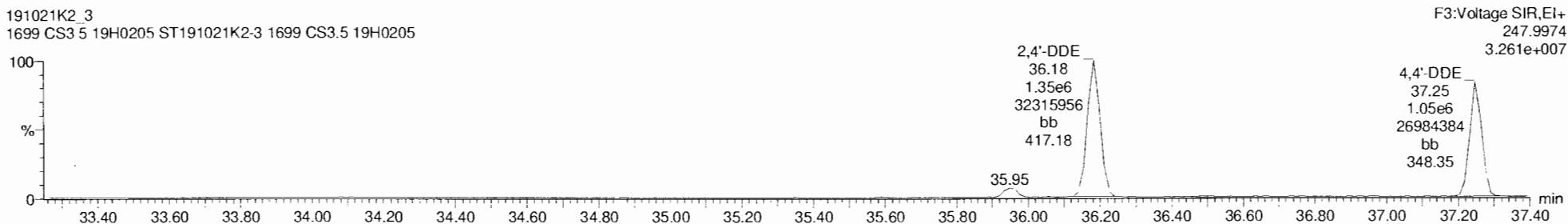
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DDMU-DDE

191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

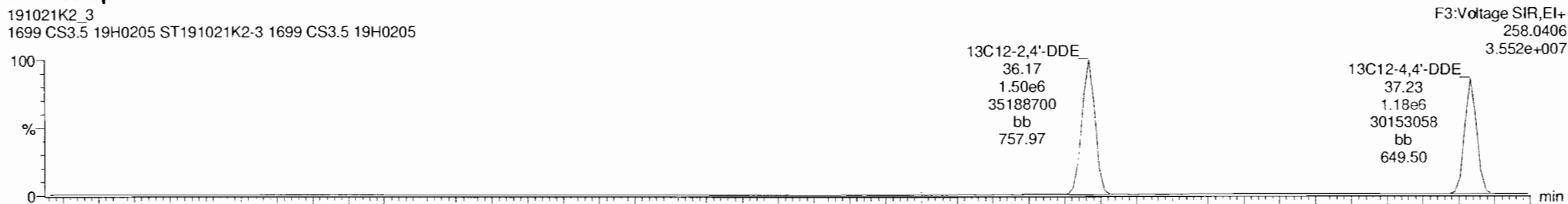


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

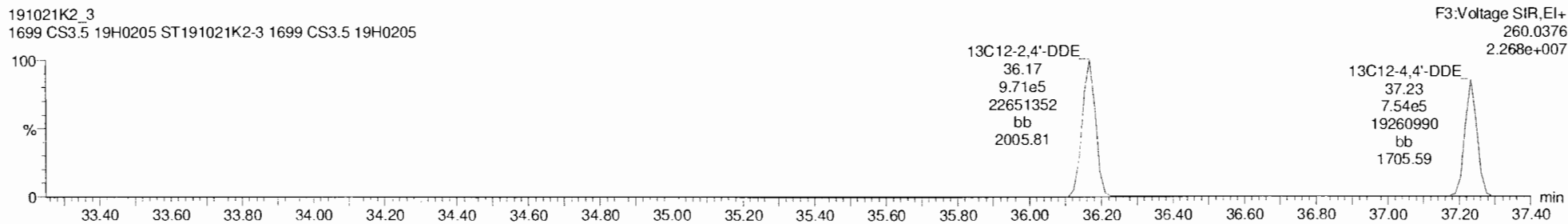


DDE-isotopes

191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

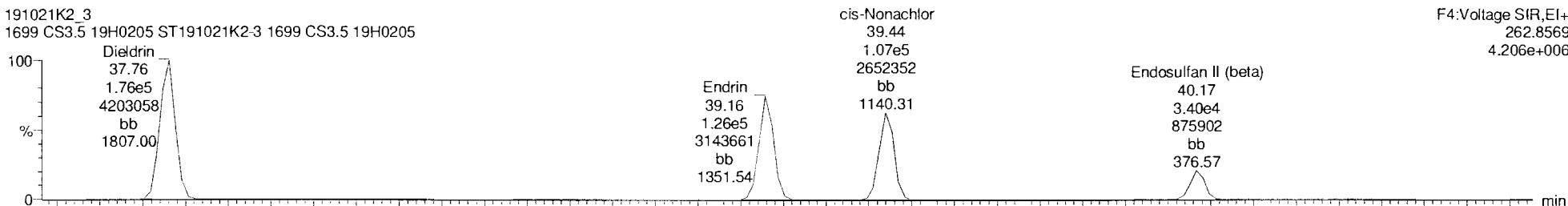
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Dieldrin-EII

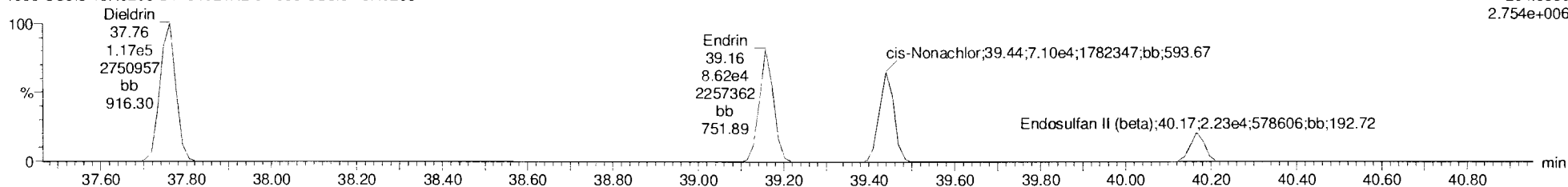
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
262.8569
4.206e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

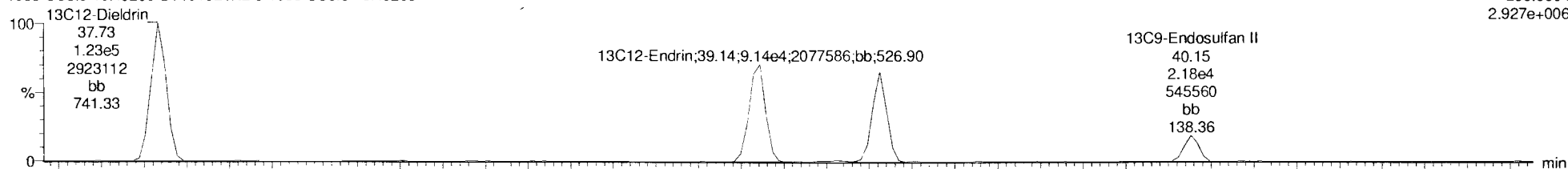
F4:Voltage SIR,EI+
264.8550
2.754e+006



Dieldrin-EII-isotopes

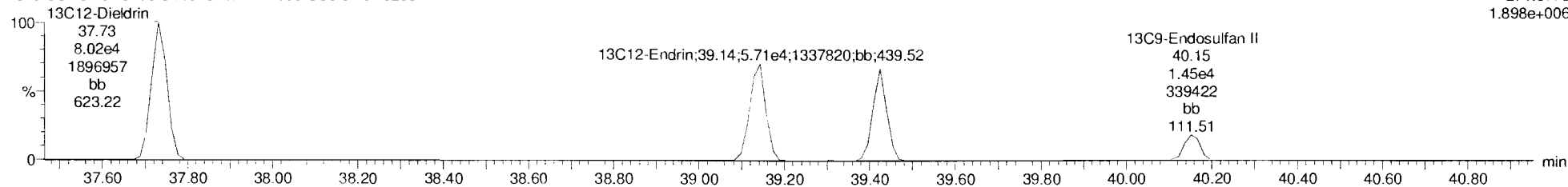
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
269.8804
2.927e+006

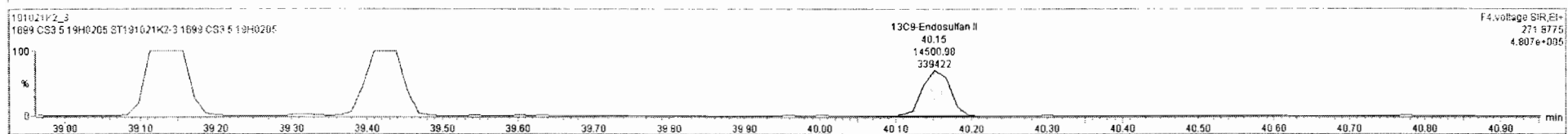
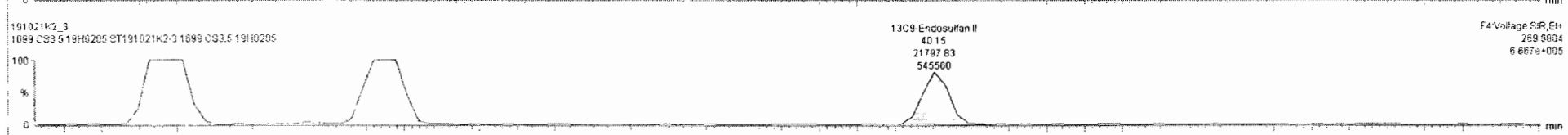
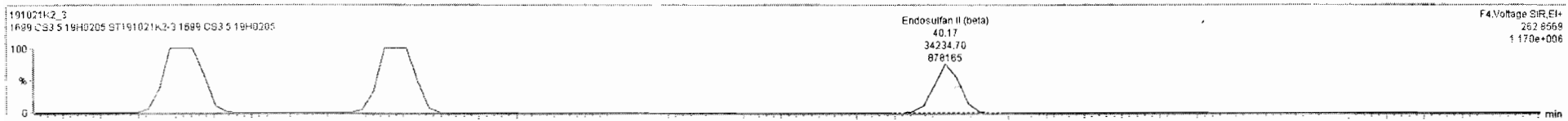


191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
271.8775
1.898e+006



#	Name	Resp.	IS Resp	IS#	RA	n/y	RRF	w/Vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE	3.00e6	2.47e6	46	1.23	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	80.2	80.2	0.301	80.2
19	4,4'-DDE	2.33e6	1.93e6	47	1.23	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	78.1	78.1	0.346	78.1
20	Dieldrin	2.93e5	2.04e5	48	1.50	NO	0.9273	1.000	37.75	37.76	1.001	1.000	NO	77.6	77.6	0.178	77.6
21	Endrin	2.12e5	1.49e5	49	1.46	NO	0.9016	1.000	39.14	39.16	1.000	1.000	NO	79.1	79.1	0.262	79.1
22	cis-Nonachlor	1.78e5	1.21e5	50	1.51	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	80.4	80.4	0.290	80.4
23	Endosulfan II (beta)	5.66e4	3.63e4	51	1.52	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	75.8	75.8	0.858	75.8
24	2,4'-DDD	2.29e6	1.59e6	52	1.59	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	80.6	80.6	0.381	80.6
25	2,4'-DDT	1.54e6	1.09e6	53	1.57	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	82.1	82.1	0.577	82.1
26	4,4'-DDD	2.11e6	1.33e6	54	1.55	NO	0.9710	1.000	39.65	39.65	1.000	1.000	NO	81.4	81.4	0.431	81.4
27	4,4'-DDT	1.36e6	8.71e5	55	1.56	NO	0.9738	1.000	40.71	40.72	1.001	1.000	NO	80.0	80.0	0.664	80.0
28	Endosulfan Sulfate	8.27e4	6.02e4	56	1.51	NO	0.8958	1.000	41.89	41.89	1.000	1.000	NO	76.7	76.7	0.653	76.7
29	4,4'-Methoxychlor	1.68e6	9.52e6	57	5.85	NO	1.1005	1.000	43.76	43.76	1.000	1.000	NO	80.2	80.2	0.121	80.2
30	Mirex	7.12e5	5.05e5	58	1.41	NO	0.8698	1.000	44.35	44.35	1.000	1.000	NO	81.1	81.1	0.166	81.1
31	Endrin Aldehyde	1.16e5	7.47e5	59	0.60	NO	0.9625	1.000	41.30	41.29	1.000	1.000	NO	81.0	81.0	0.838	81.0
32	Endrin Ketone	8.40e4	6.25e5	60	0.60	NO	0.8673	1.000	44.47	44.49	1.000	1.000	NO	77.4	77.4	1.22	77.4
33	13C4-Hexachlorobutadi.	3.96e6	2.44e6	62	1.26	NO	0.1473	1.000	10.35	10.34	0.390	0.391	NO	550	110	0.0547	
34	13C6-Hexachlorobenz.	1.77e6	3.44e6	63	1.97	NO	0.7194	1.000	33.14	33.14	0.873	0.873	NO	43.0	100	0.0507	



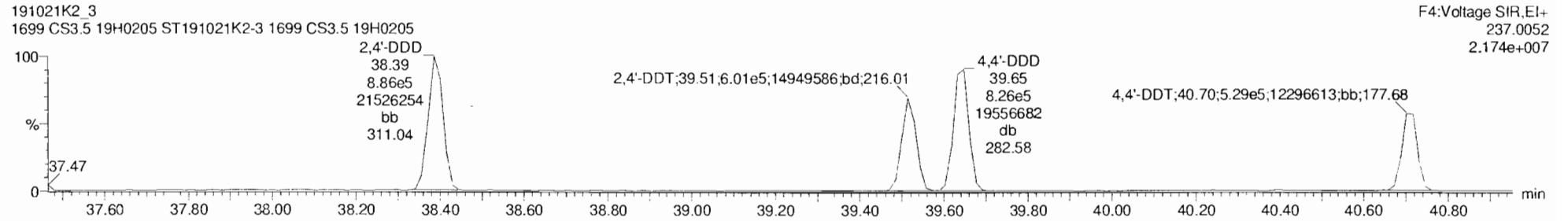
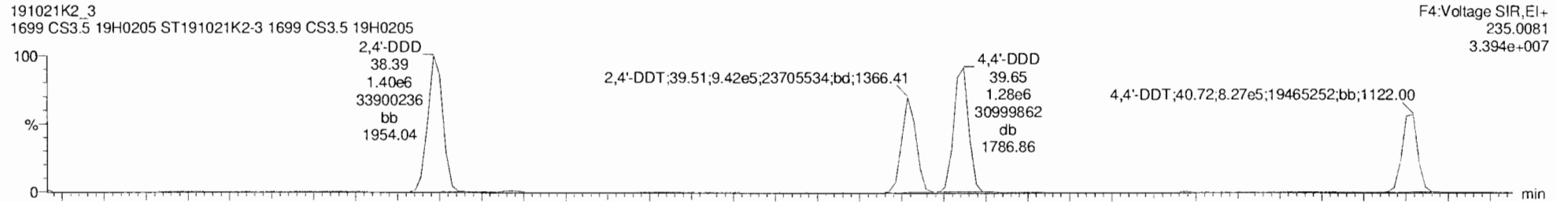
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Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

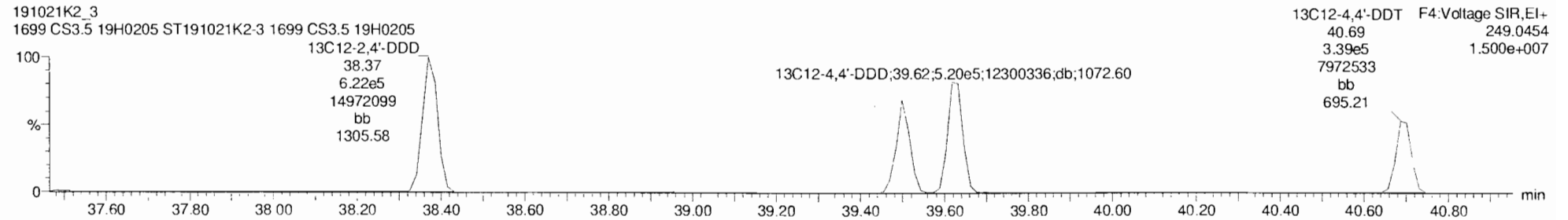
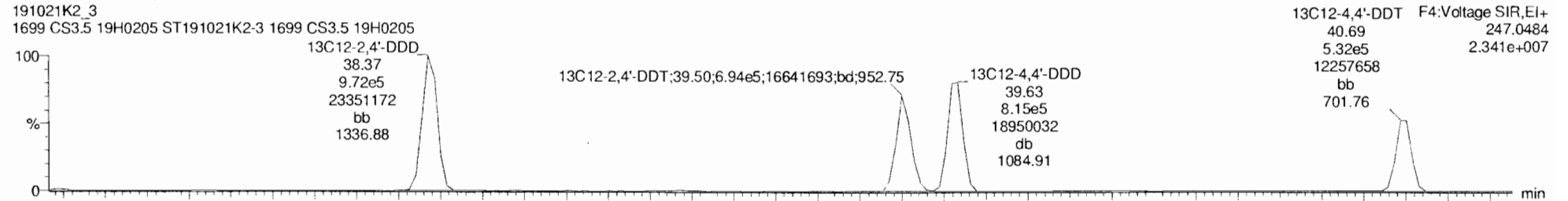
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Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

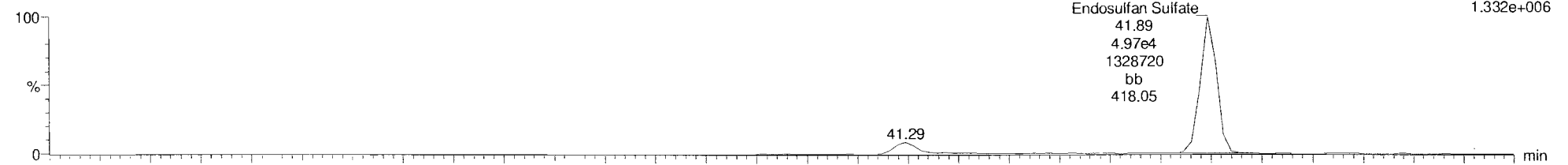
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Name: 191021K2_3, Date: 21-Oct-2019, Time: 14:40:46, ID: ST191021K2-3 1699 CS3.5 19H0205, Description: 1699 CS3.5 19H0205

Endosulfan Sulfate

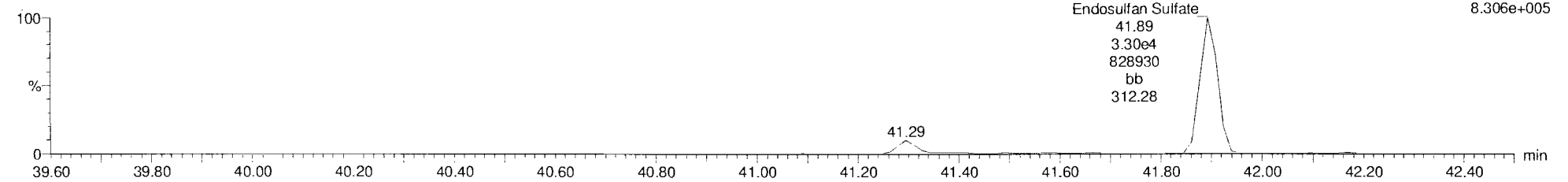
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
262.8569
1.332e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

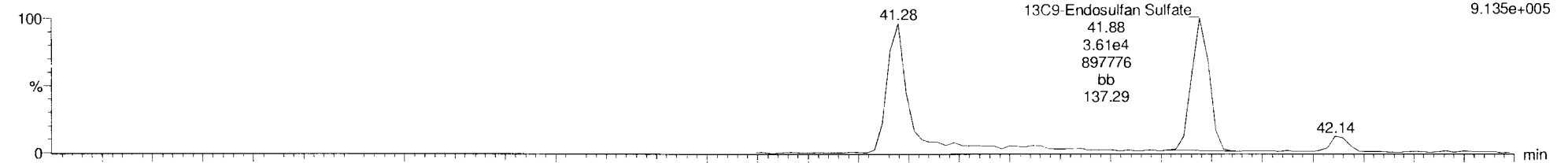
F5:Voltage SIR,EI+
264.8540
8.306e+005



13C9-Endosulfan Sulfate

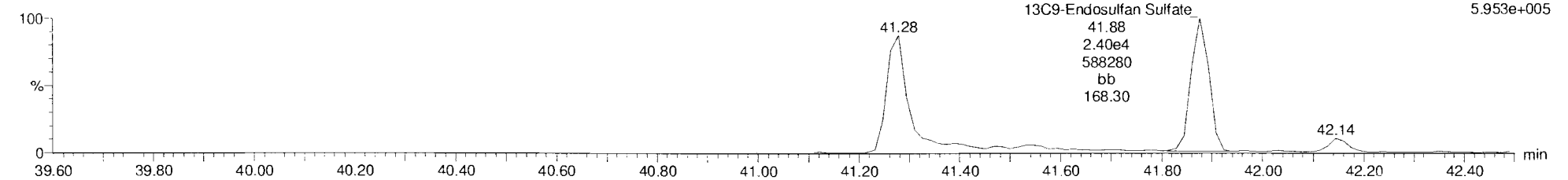
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
269.8804
9.135e+005



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
271.8775
5.953e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

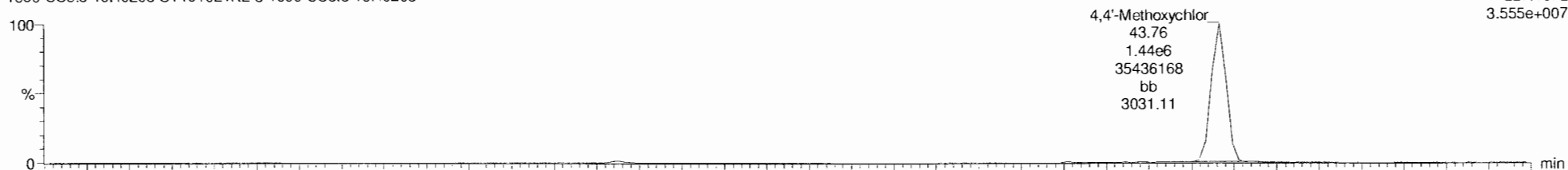
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4,4'-Methoxychlor

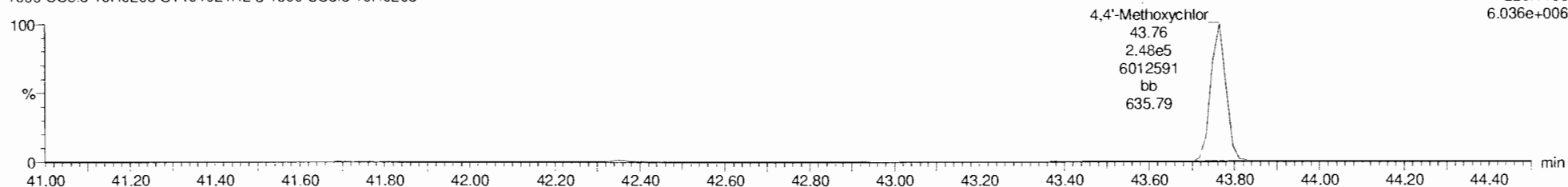
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
227.1072
3.555e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

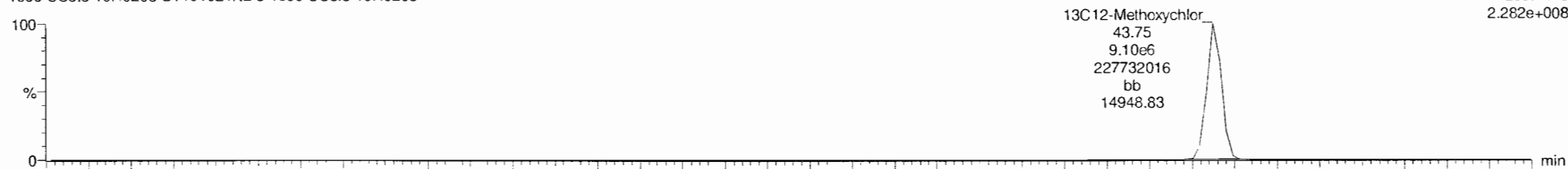
F5:Voltage SIR,EI+
228.1106
6.036e+006



13C12-Methoxychlor

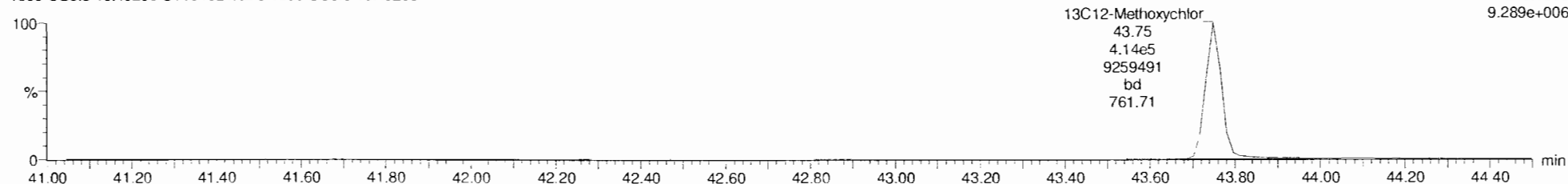
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

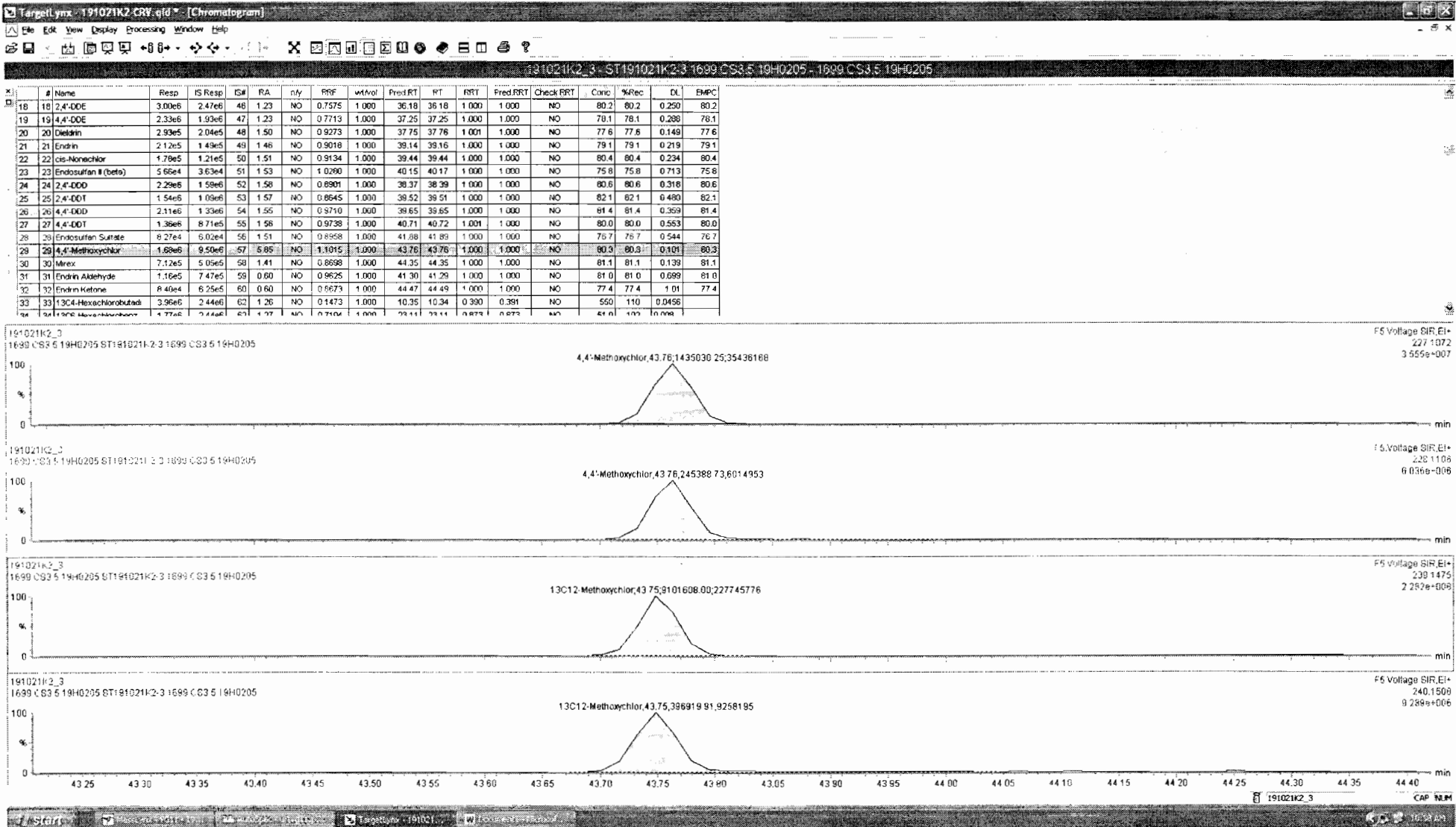
F5:Voltage SIR,EI+
239.1475
2.282e+008



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
240.1508
9.289e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

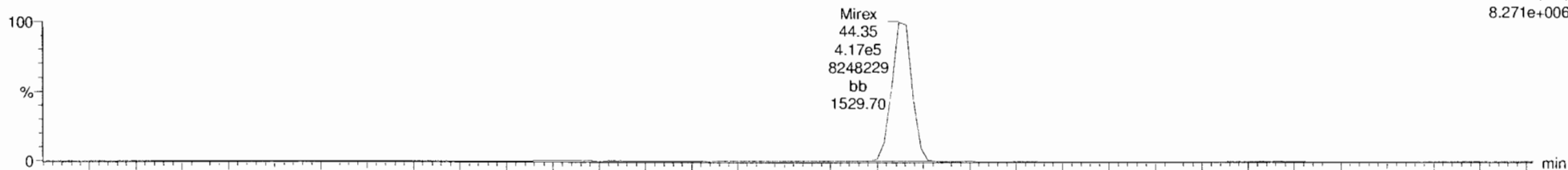
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Mirex

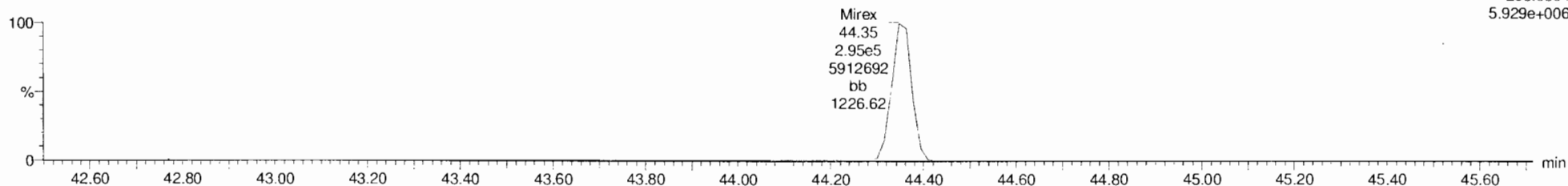
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
236.8413
8.271e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

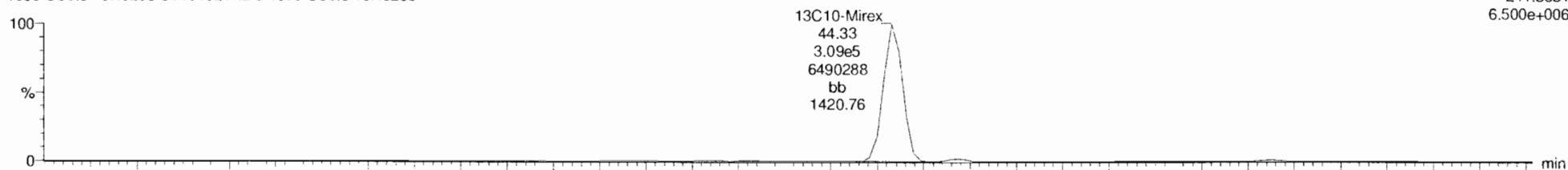
F5:Voltage SIR,EI+
238.8384
5.929e+006



13C10-Mirex

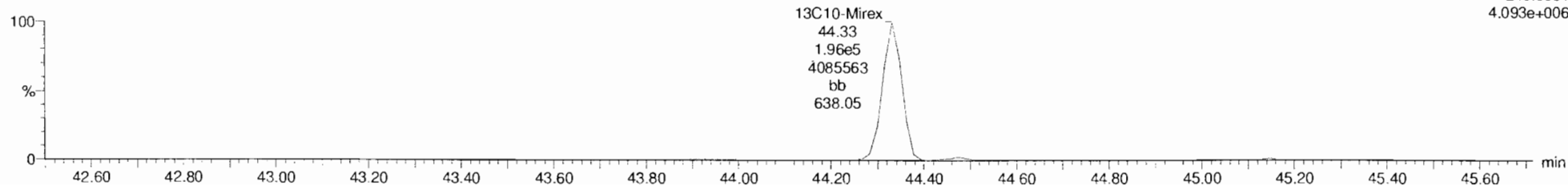
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
241.8581
6.500e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
243.8551
4.093e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

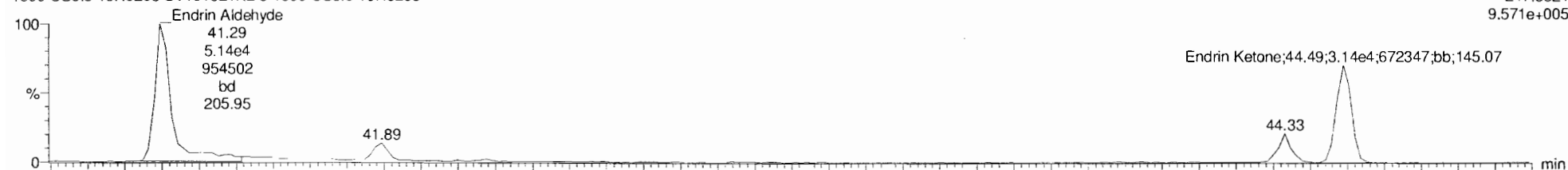
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EA-EK

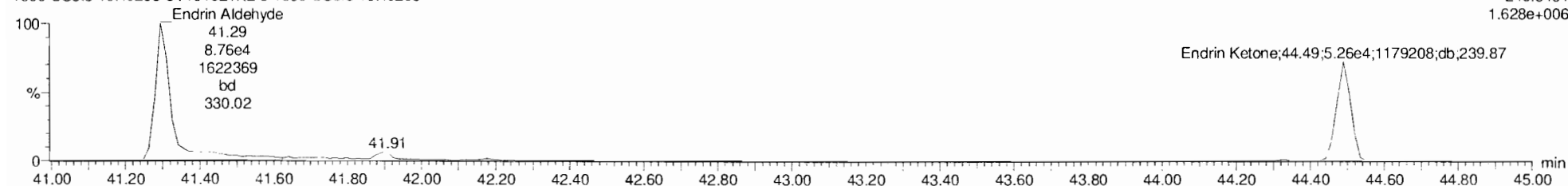
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
247.8521
9.571e+005



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

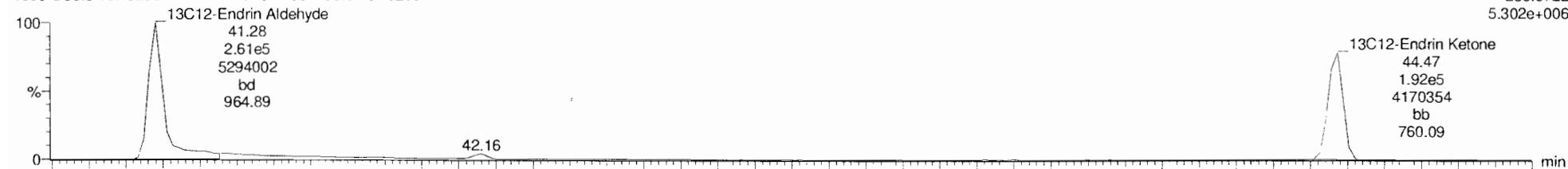
F5:Voltage SIR,EI+
249.8491
1.628e+006



EA-EK-isotopes

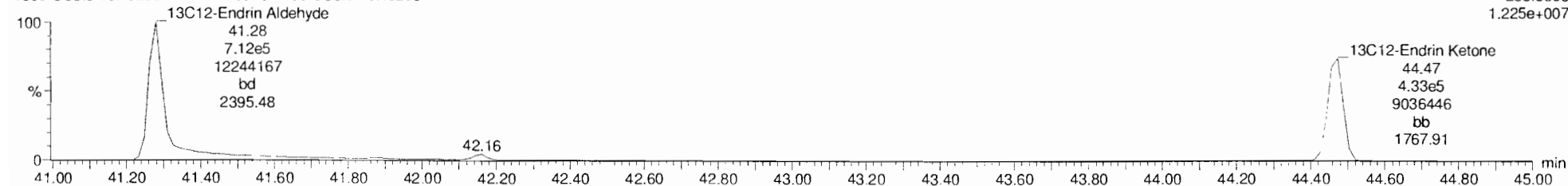
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1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

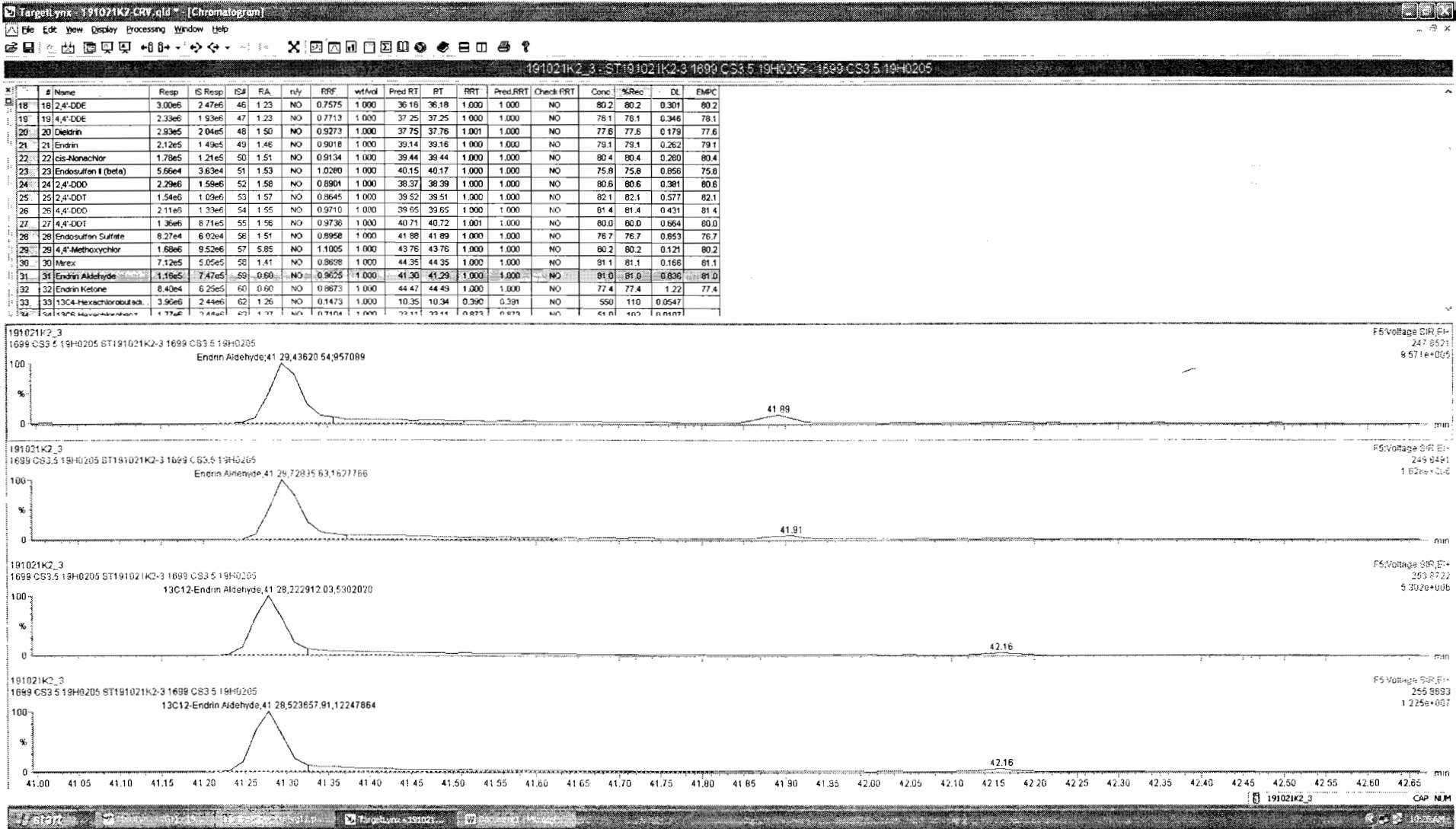
F5:Voltage SIR,EI+
253.8722
5.302e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F5:Voltage SIR,EI+
255.8693
1.225e+007





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

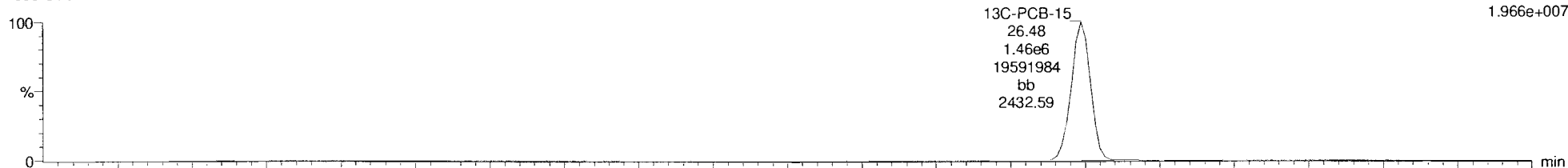
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13C-PCB-15

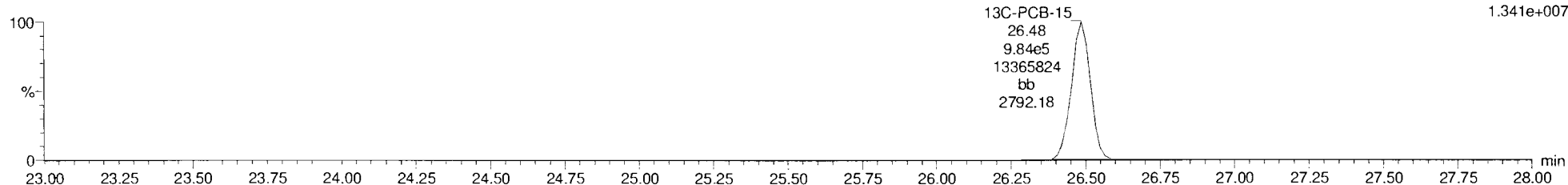
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F2:Voltage S1R,EI+
234.0406
1.966e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

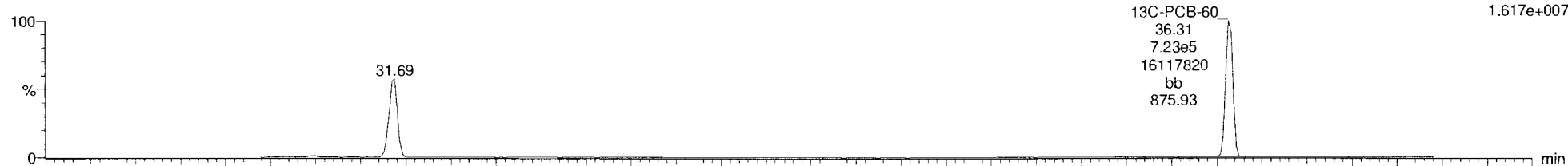
F2:Voltage S1R,EI+
236.0376
1.341e+007



13C-PCB-60

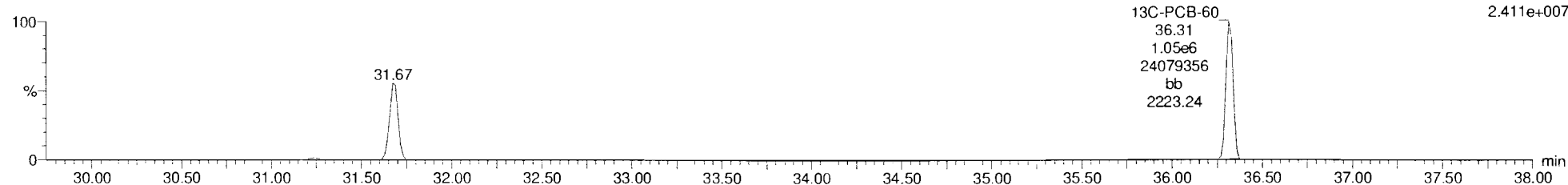
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage S1R,EI+
301.9626
1.617e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F3:Voltage S1R,EI+
303.9597
2.411e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

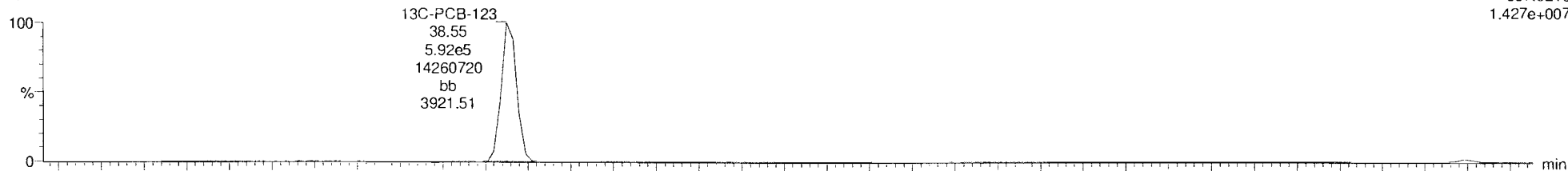
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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13C-PCB-123

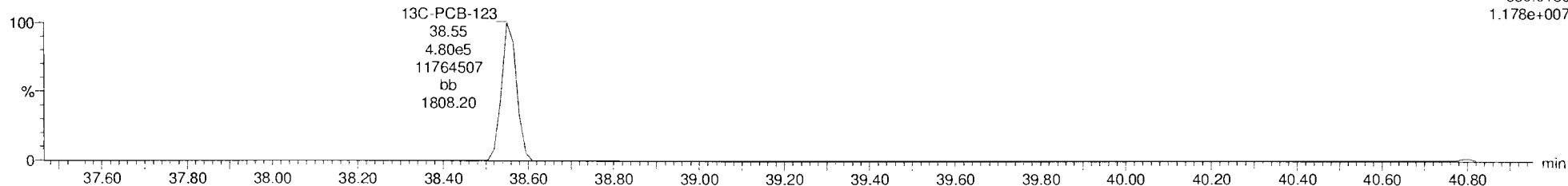
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
337.9210
1.427e+007



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

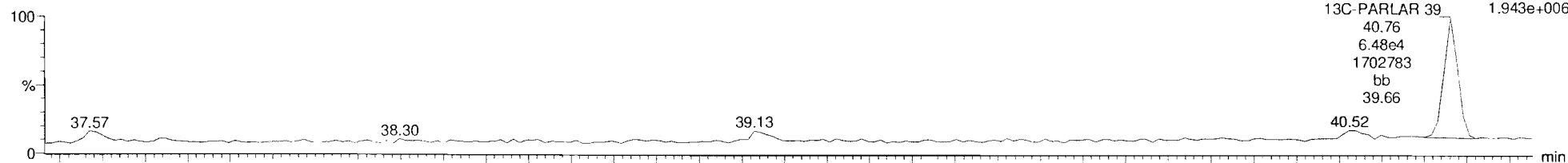
F4:Voltage SIR,EI+
339.9180
1.178e+007



13C-PARLAR 39

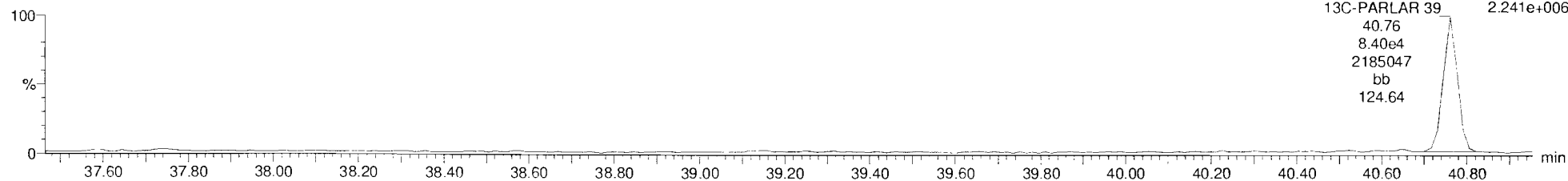
191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
251.9648
1.943e+006



191021K2_3
1699 CS3.5 19H0205 ST191021K2-3 1699 CS3.5 19H0205

F4:Voltage SIR,EI+
253.9619
2.241e+006



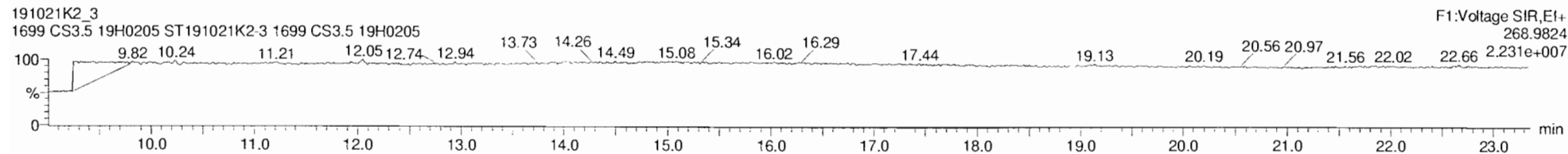
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

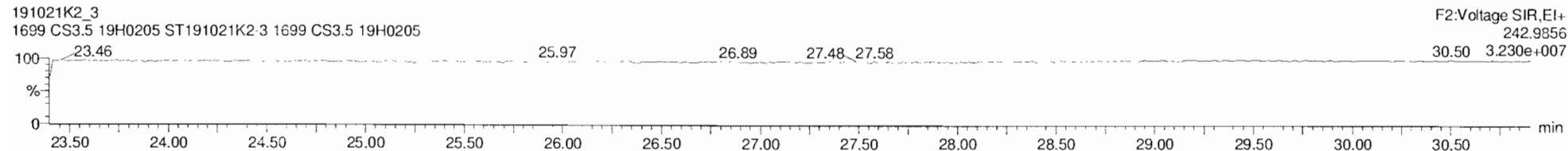
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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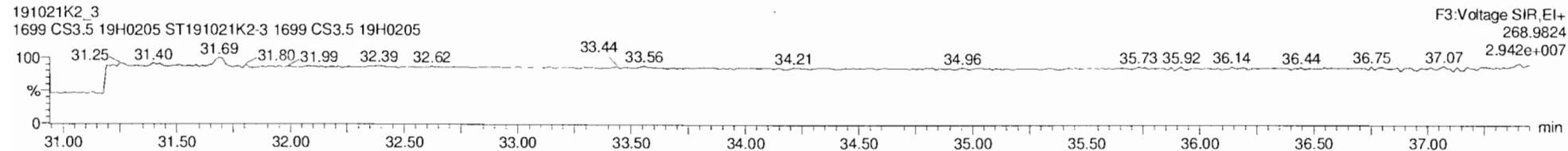
PFK1



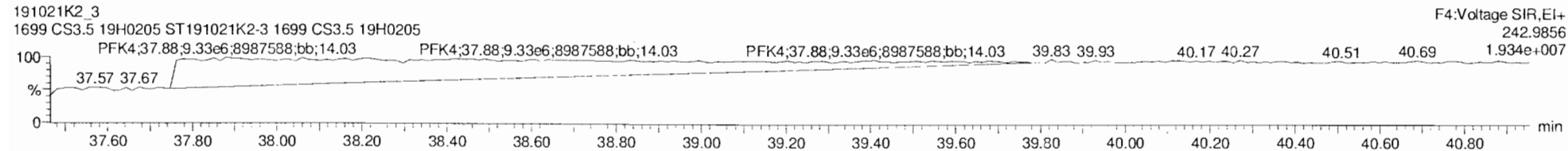
PFK2



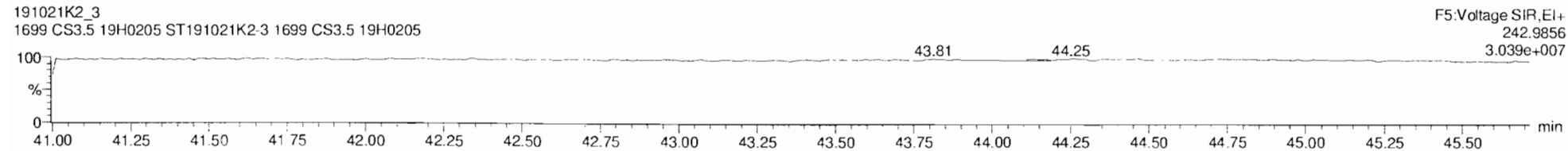
PFK3



PFK4



PFK5



Dataset: Untitled

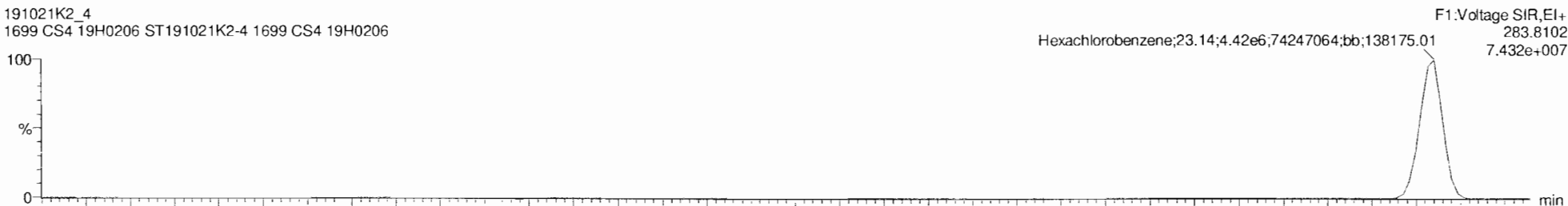
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

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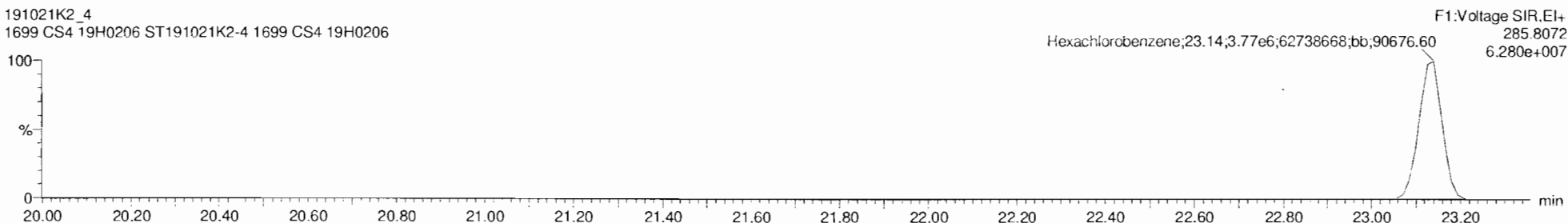
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Hexachlorobenzene

191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

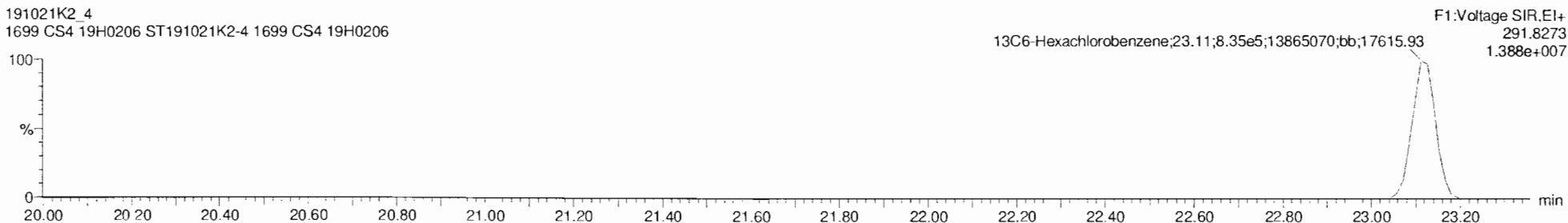


13C6-Hexachlorobenzene

191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

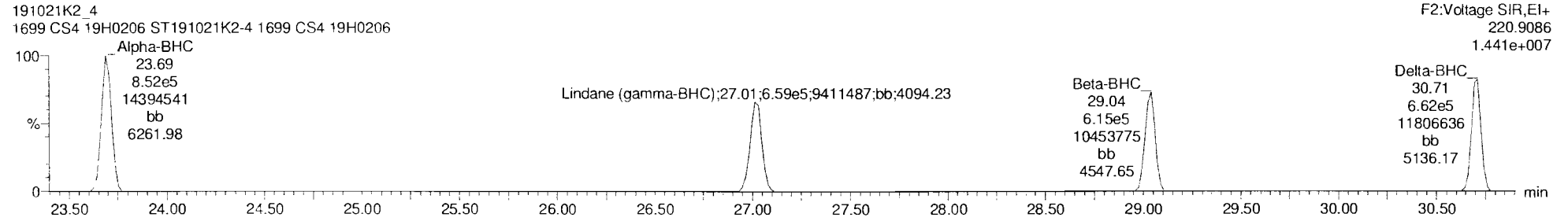
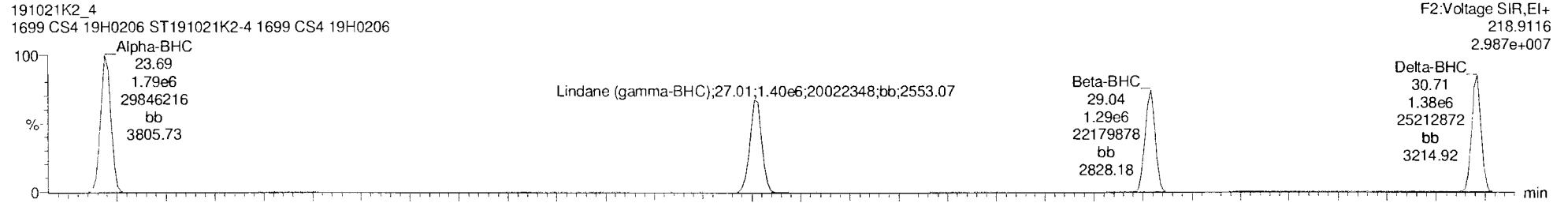


Dataset: Untitled

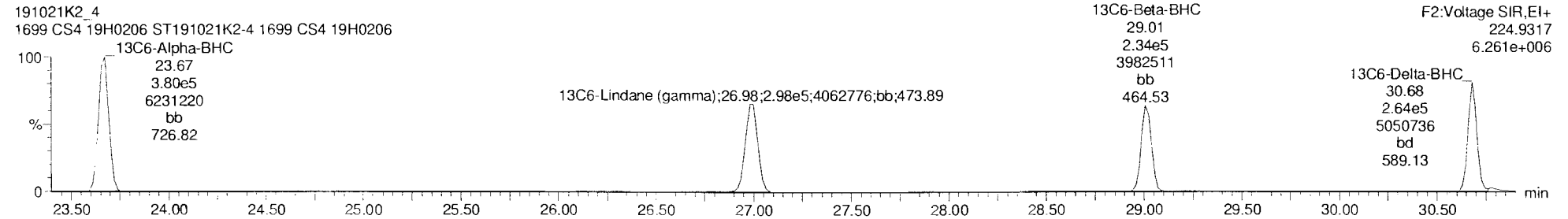
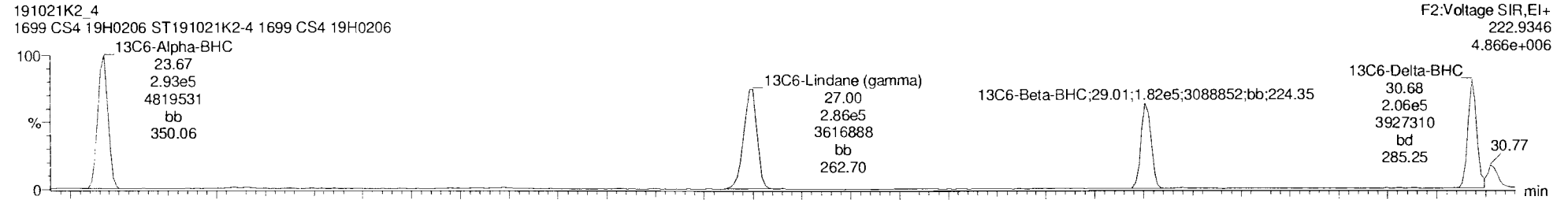
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

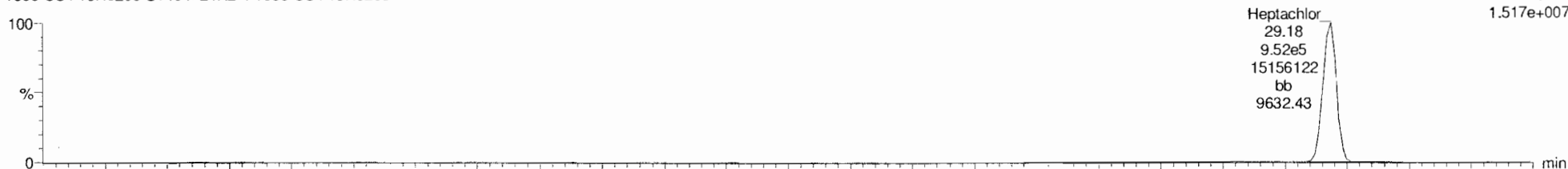
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Heptachlor

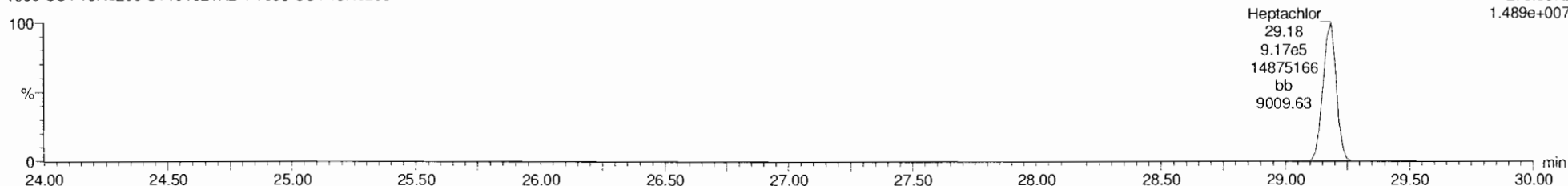
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
271.8102
1.517e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

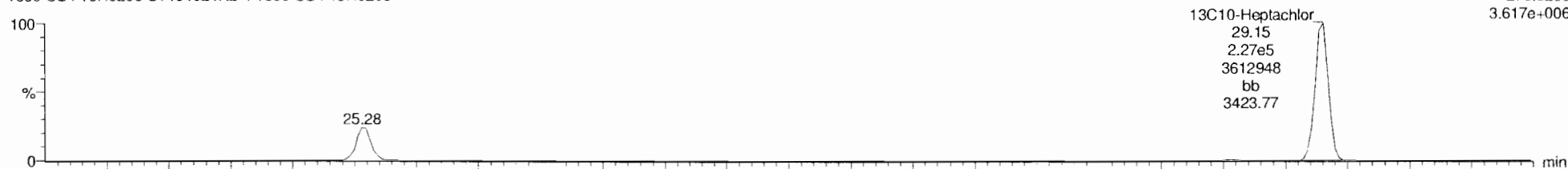
F2:Voltage SIR,EI+
273.8072
1.489e+007



13C10-Heptachlor

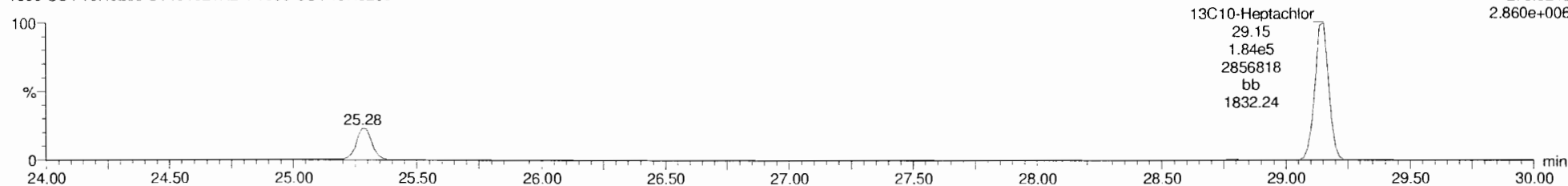
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
276.8269
3.617e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
278.8240
2.860e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

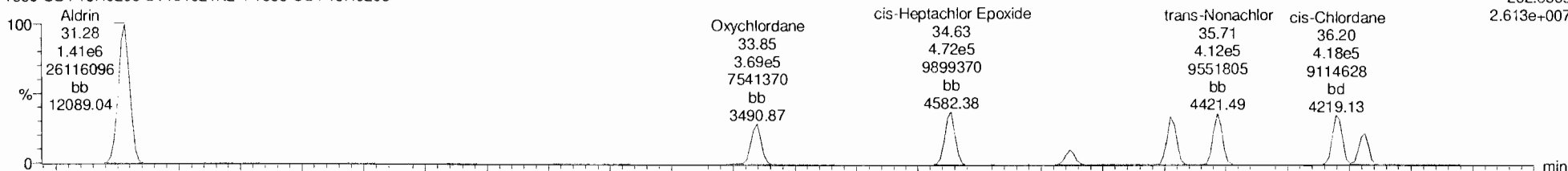
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Aldrin-EI

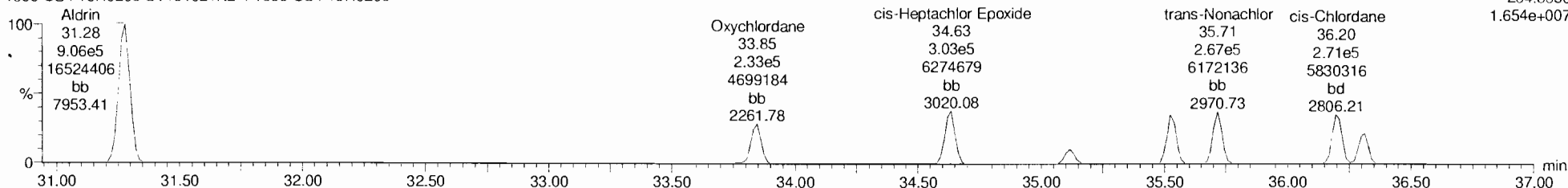
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
262.8569
2.613e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

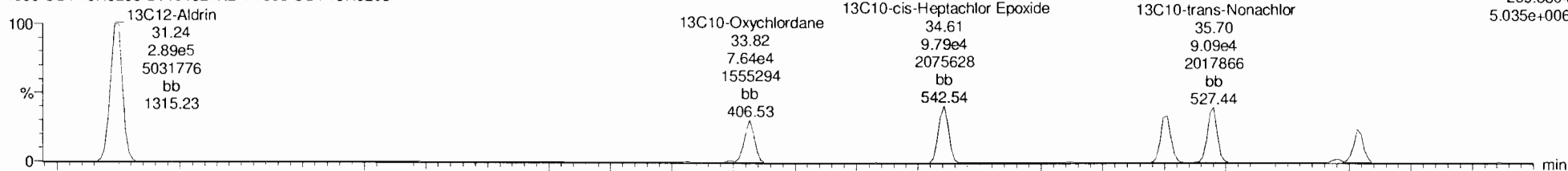
F3:Voltage SIR,EI+
264.8550
1.654e+007



Aldrin-EI-isotopes

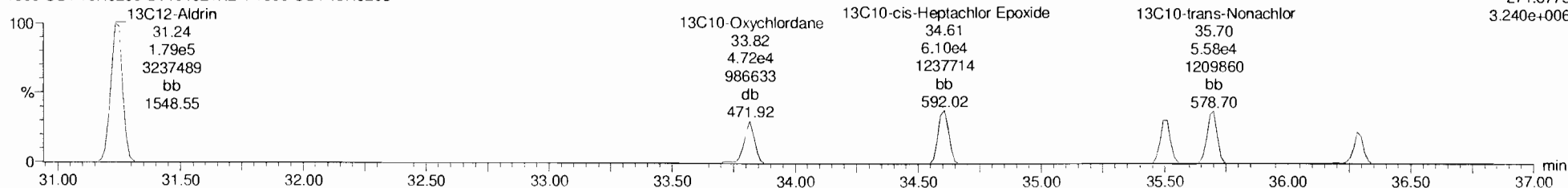
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

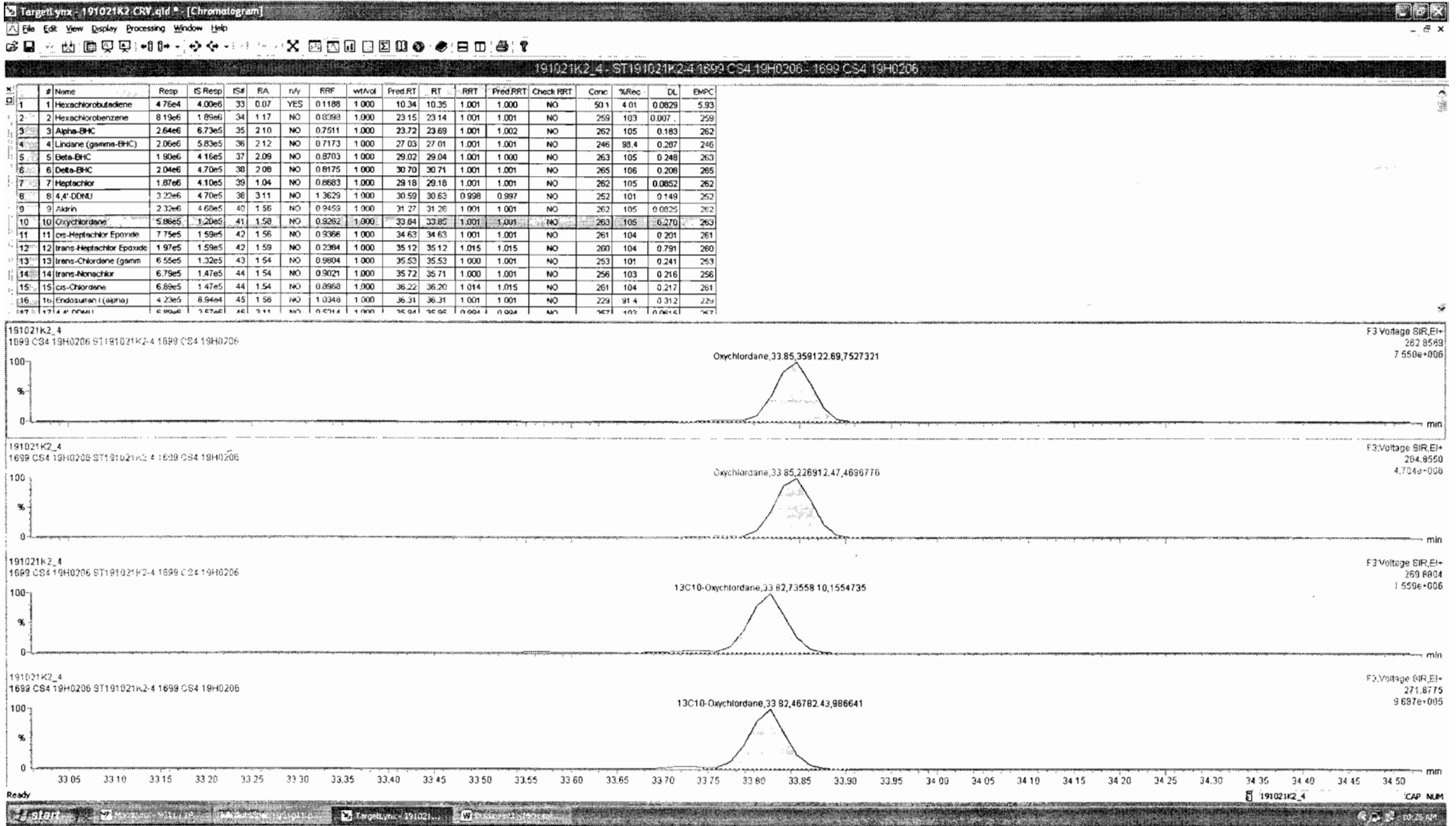
F3:Voltage SIR,EI+
269.8804
5.035e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
271.8775
3.240e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

DDMU-DDE

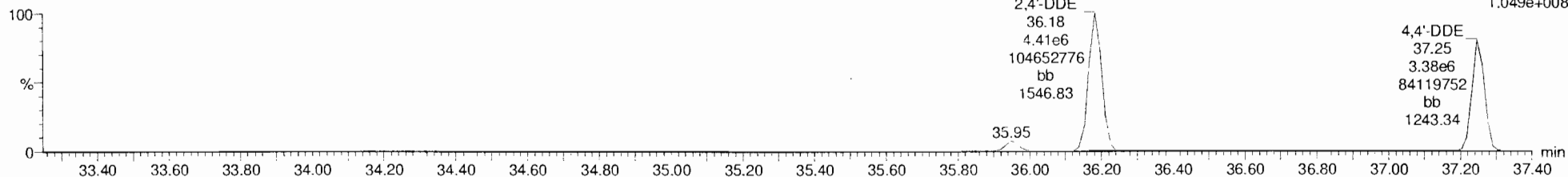
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
246.0003
1.263e+008



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

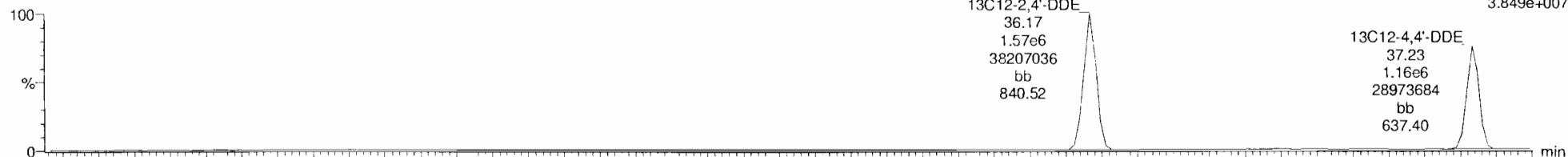
F3:Voltage SIR,EI+
247.9974
1.049e+008



DDE-isotopes

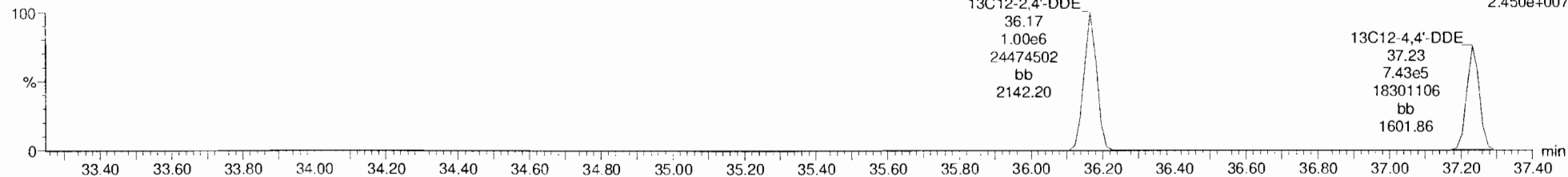
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
258.0406
3.849e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
260.0376
2.450e+007



Dataset: Untitled

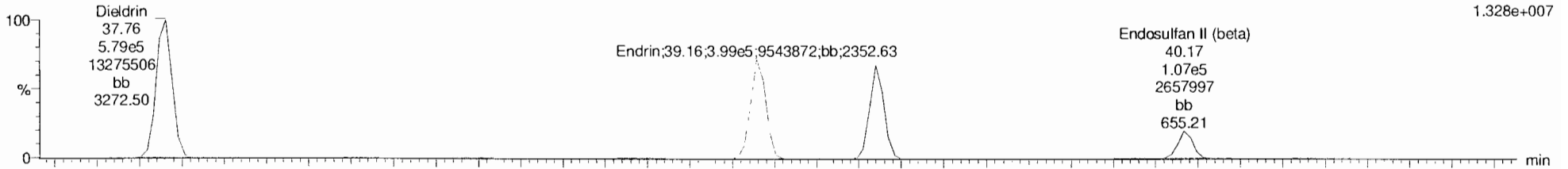
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Dieldrin-EII

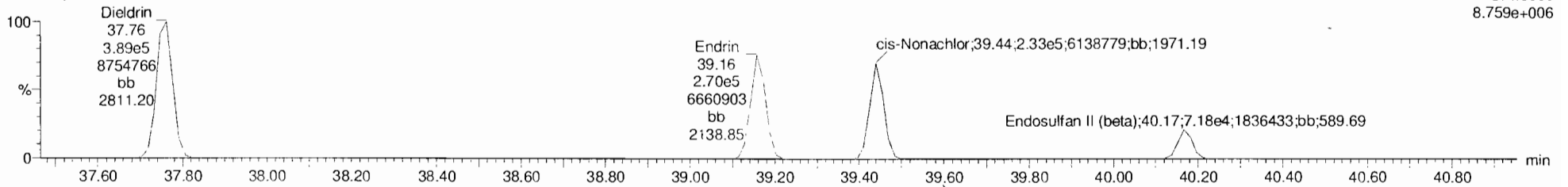
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
262.8569
1.328e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

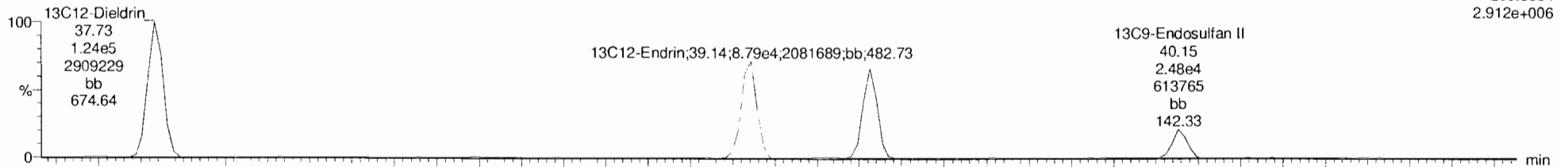
F4:Voltage SIR,EI+
264.8550
8.759e+006



Dieldrin-EII-isotopes

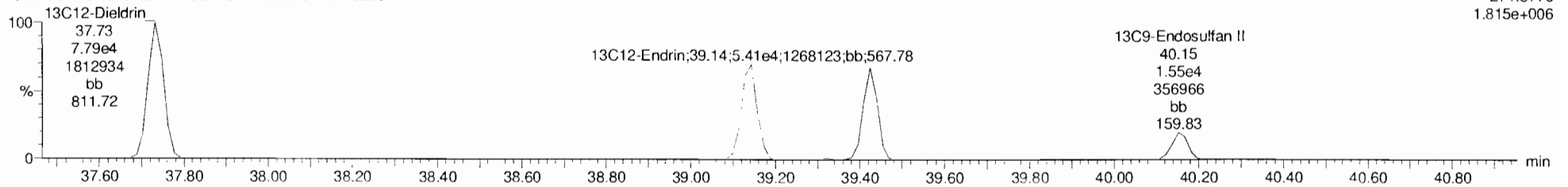
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
269.8804
2.912e+006



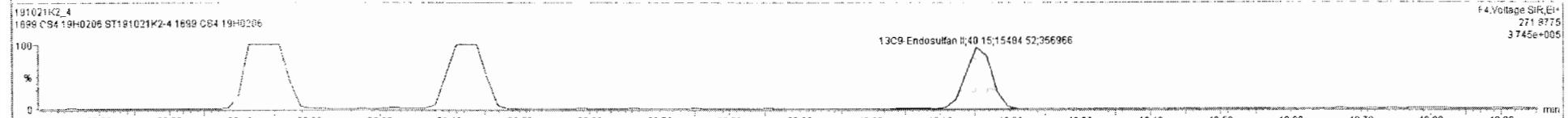
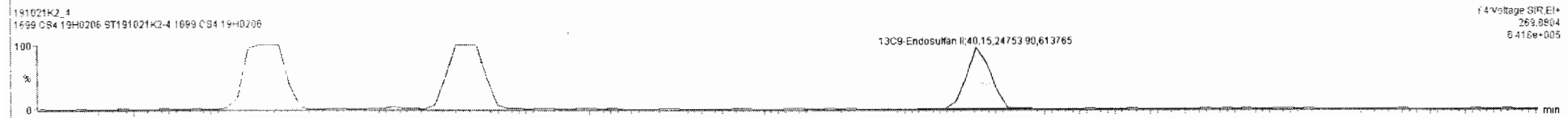
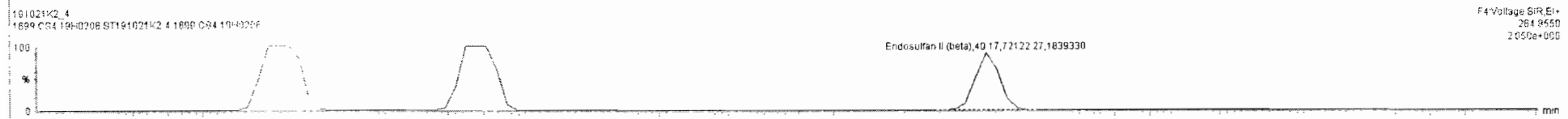
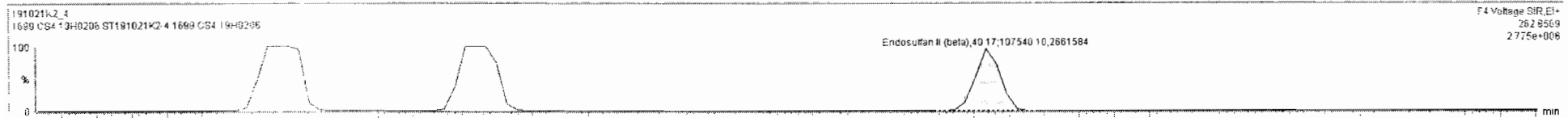
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
271.8775
1.815e+006



191021K2_4 - ST:191021K2-4 1699 CS4 19H0206 / 1699 CS4 19H0206

#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wAve	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
18	2,4-DDE	9.78e6	2.57e6	46	1.22	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	251	100	0.244	251
19	4,4'-DDE	7.51e6	1.91e6	47	1.22	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	255	102	0.317	255
20	Dieldrin	9.88e5	2.02e5	48	1.49	NO	0.9273	1.000	37.75	37.76	1.001	1.000	NO	259	104	0.245	259
21	Endrin	6.69e5	1.42e5	49	1.48	NO	0.9018	1.000	39.14	39.16	1.000	1.000	NO	261	104	0.355	261
22	cis-Nonachlor	5.84e5	1.25e5	50	1.50	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	256	102	0.371	256
23	Endosulfan II (beta)	1.80e5	4.02e4	51	1.49	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	217	86.9	1.05	217
24	2,4'-DDD	7.35e6	1.60e6	52	1.56	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	259	104	0.334	259
25	2,4'-DDT	4.87e6	1.08e6	53	1.55	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	260	104	0.550	260
26	4,4'-DDD	6.85e6	1.36e6	54	1.55	NO	0.9710	1.000	39.65	39.65	1.000	1.000	NO	259	104	0.348	259
27	4,4'-DDT	4.24e6	8.57e5	55	1.56	NO	0.9738	1.000	40.72	40.72	1.000	1.000	NO	254	102	0.581	254
28	Endosulfan Sulfate	2.69e5	6.13e4	56	1.53	NO	0.8958	1.000	41.88	41.89	1.000	1.000	NO	244	97.7	0.702	244
29	4,4'-Methoxychlor	4.82e6	8.48e6	57	5.50	NO	1.1005	1.000	43.76	43.76	1.000	1.000	NO	258	103	0.141	258
30	Mirex	2.06e6	4.63e5	58	1.40	NO	0.6693	1.000	44.35	44.36	1.001	1.000	NO	258	103	0.280	258
31	Endrin Aldehyde	3.74e5	7.59e5	59	0.60	NO	0.9625	1.000	41.30	41.29	1.000	1.000	NO	256	102	1.03	256
32	Endrin Ketone	2.54e5	5.91e5	60	0.62	NO	0.8673	1.000	44.47	44.49	1.000	1.000	NO	248	99.1	1.61	248
33	13C4-Hexachlorobutadi.	4.00e6	2.62e6	62	1.26	NO	0.1473	1.000	10.36	10.34	0.390	0.391	NO	517	163	0.0480	
34	13C4-Endosulfan II (beta)	4.80e6	1.02e6	63	1.46	NO	0.7104	1.000	39.43	39.43	0.673	0.673	NO	616	164	0.008	



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

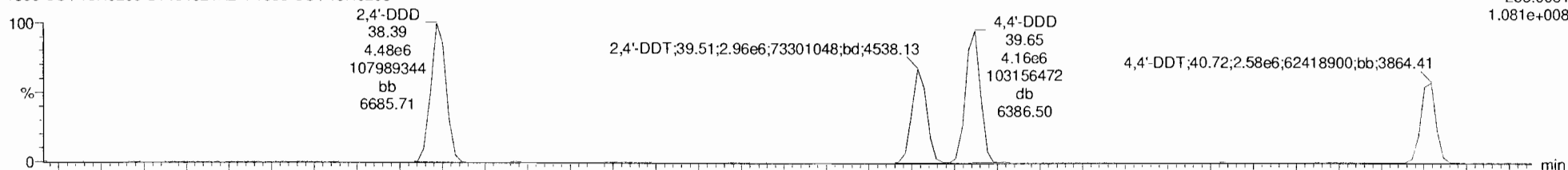
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

DDD-DDT

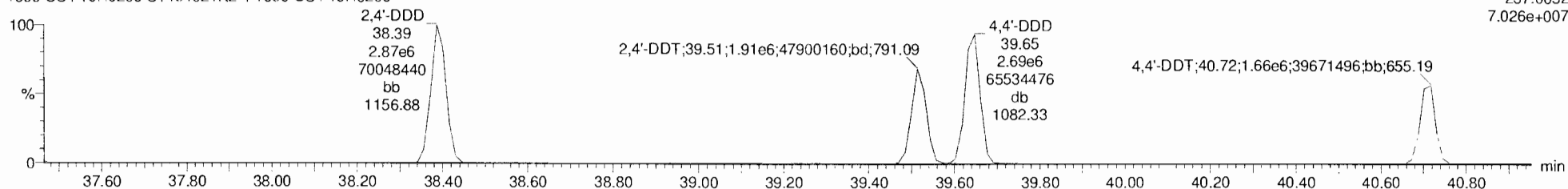
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
235.0081
1.081e+008



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

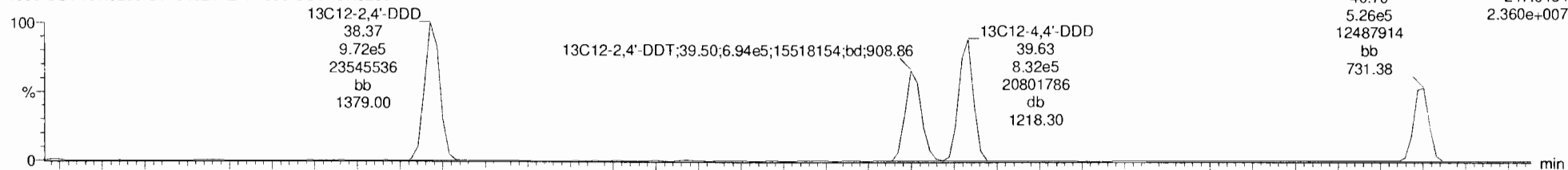
F4:Voltage SIR,EI+
237.0052
7.026e+007



DDD-DDT-isotopes

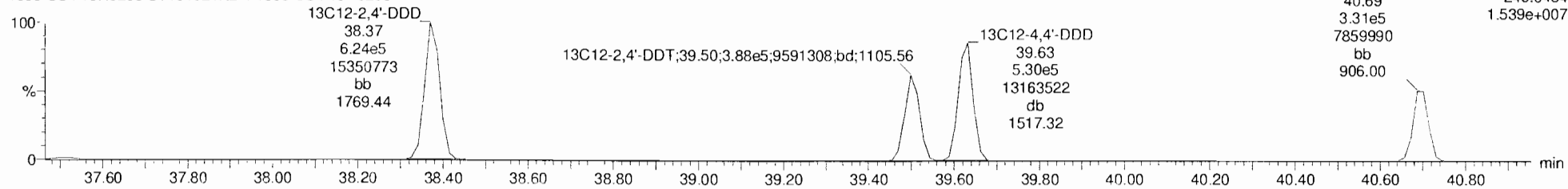
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

13C12-4,4'-DDT F4:Voltage SIR,EI+
40.70 247.0484
5.26e5 2.360e+007
12487914
bb
731.38



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

13C12-4,4'-DDT F4:Voltage SIR,EI+
40.69 249.0454
3.31e5 1.539e+007
7859990
bb
906.00



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

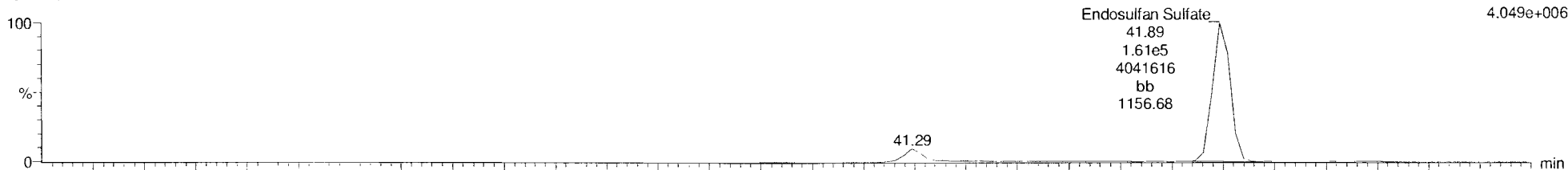
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

Endosulfan Sulfate

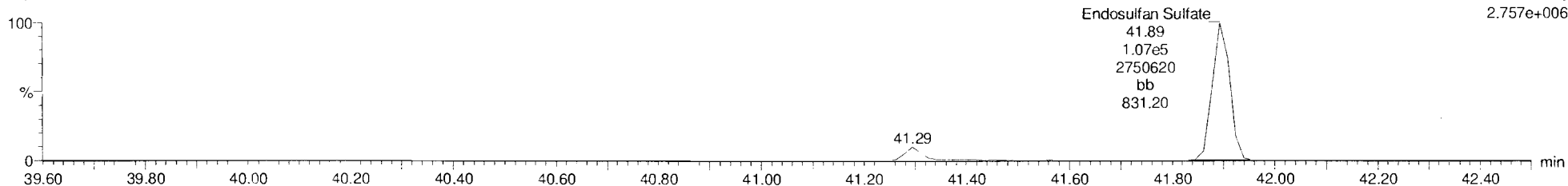
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
262.8569
4.049e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

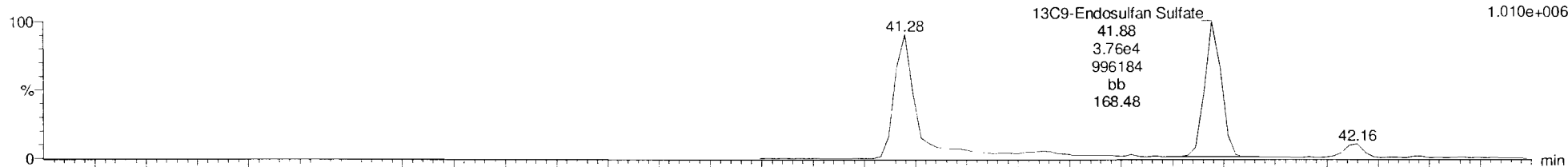
F5:Voltage SIR,EI+
264.8540
2.757e+006



13C9-Endosulfan Sulfate

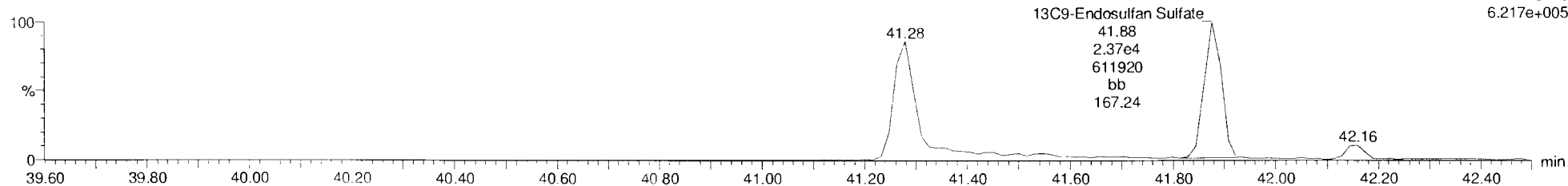
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
269.8804
1.010e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
271.8775
6.217e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

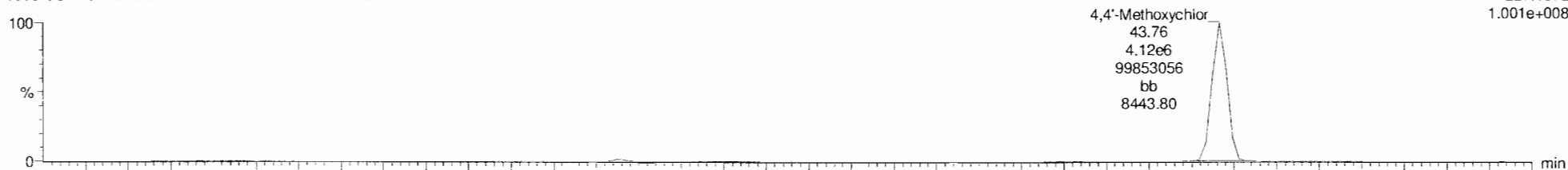
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

4,4'-Methoxychlor

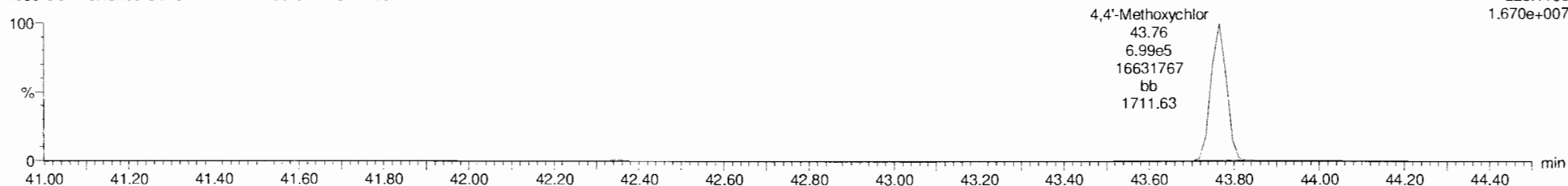
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
227.1072
1.001e+008



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
228.1106
1.670e+007



13C12-Methoxychlor

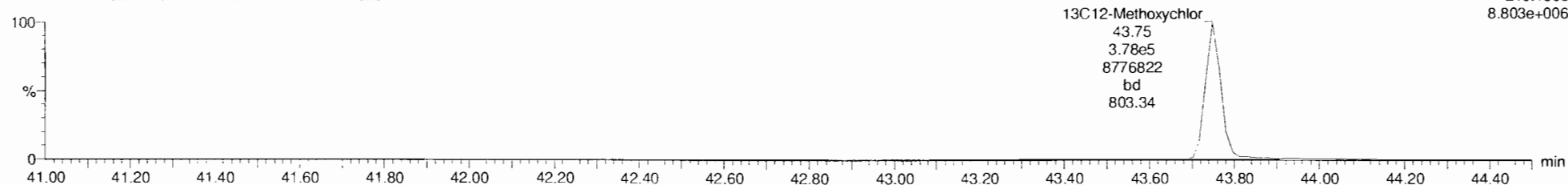
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
239.1475
1.996e+008



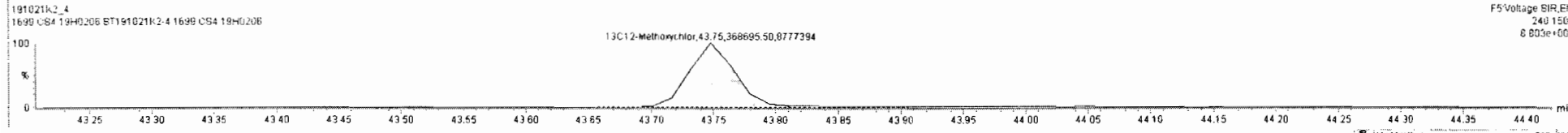
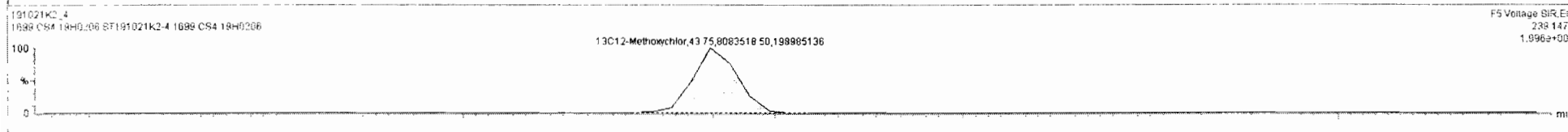
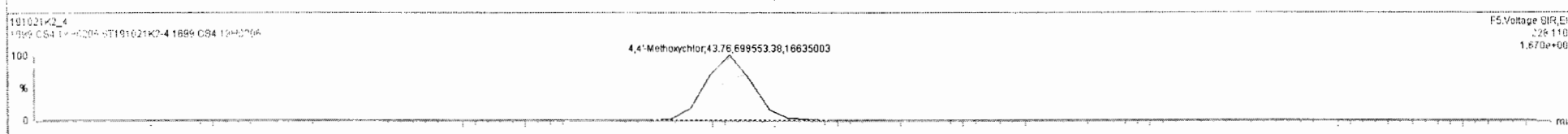
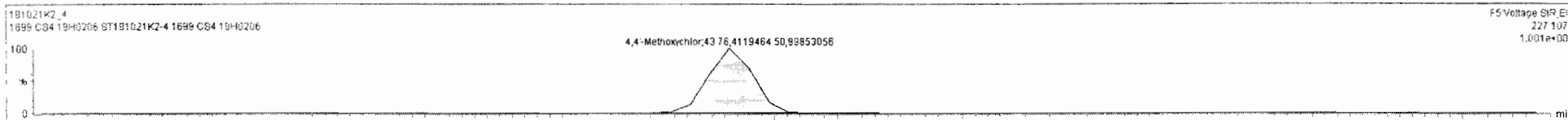
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
240.1508
8.803e+006



191021K2_4 - ST191021K2-4 1699 CS4 19H0206 - 1699 CS4 19H0206

#	Name	Resp	IS Resp	IS#	RA	ref	RF	wtAwt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
18	2,4'-DDE	9.78e6	2.57e6	46	1.22	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	251	100	0.204	251
19	4,4'-DDE	7.51e6	1.91e6	47	1.22	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	255	102	0.264	255
20	Dieldrin	9.66e5	2.02e5	48	1.49	NO	0.9273	1.000	37.75	37.76	1.001	1.000	NO	259	104	0.204	259
21	Endrin	6.69e5	1.42e5	49	1.47	NO	0.9018	1.000	39.14	39.16	1.000	1.000	NO	261	104	0.296	261
22	cis-Nonachlor	5.84e5	1.25e5	50	1.50	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	256	102	0.309	256
23	Endosulfan II (beta)	1.80e5	4.02e4	51	1.49	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	217	86.9	0.874	217
24	2,4'-DDD	7.35e6	1.60e6	52	1.56	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	259	104	0.279	259
25	2,4'-DDT	4.87e6	1.08e6	53	1.55	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	260	104	0.458	260
26	4,4'-DDD	6.85e6	1.36e6	54	1.55	NO	0.9710	1.000	39.65	39.65	1.000	1.000	NO	259	104	0.290	259
27	4,4'-DDT	4.24e6	8.57e5	55	1.56	NO	0.9738	1.000	40.72	40.72	1.000	1.000	NO	254	102	0.484	254
28	Endosulfan Sulfate	2.68e5	6.13e4	56	1.50	NO	0.9953	1.000	41.89	41.89	1.000	1.000	NO	244	97.7	0.595	244
29	4,4'-Methoxychlor	4.82e6	8.45e5	57	5.90	NO	1.1012	1.000	43.76	43.76	1.000	1.000	NO	259	104	0.118	259
30	Mirex	2.08e6	4.63e5	58	1.40	NO	0.8698	1.000	44.35	44.35	1.001	1.000	NO	258	103	0.234	258
31	Endrin Aldehyde	3.74e5	7.59e5	59	0.60	NO	0.9625	1.000	41.30	41.29	1.000	1.000	NO	256	102	0.857	256
32	Endrin Ketone	2.54e5	5.91e5	60	0.62	NO	0.8673	1.000	44.47	44.49	1.000	1.000	NO	248	99.1	1.34	248
33	13C4-Hexachlorobutadi...	4.00e6	2.62e6	62	1.26	NO	0.1473	1.000	10.36	10.34	0.990	0.991	NO	517	103	0.0400	



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

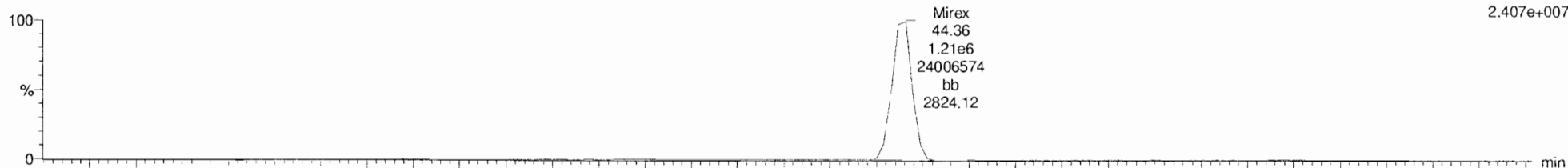
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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Mirex

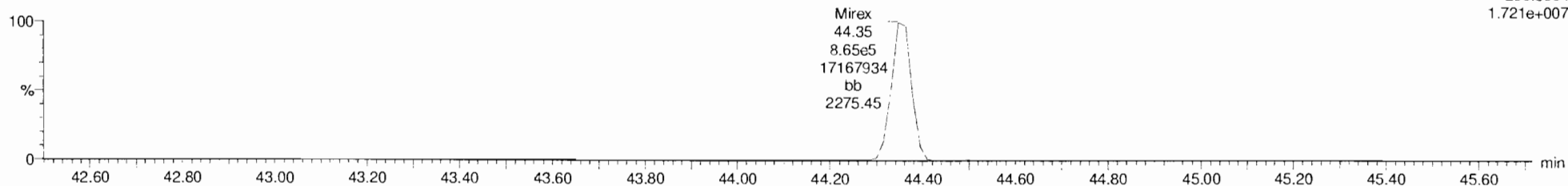
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
236.8413
2.407e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

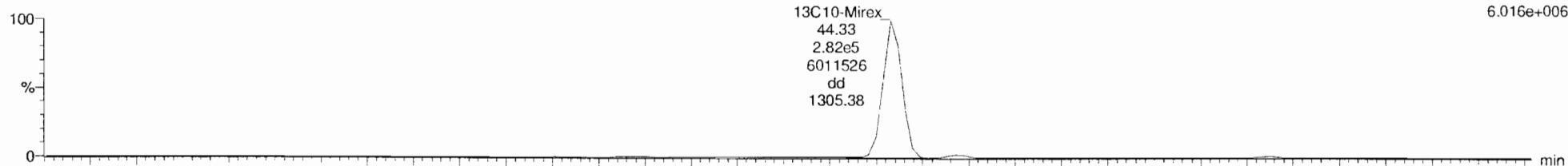
F5:Voltage SIR,EI+
238.8384
1.721e+007



13C10-Mirex

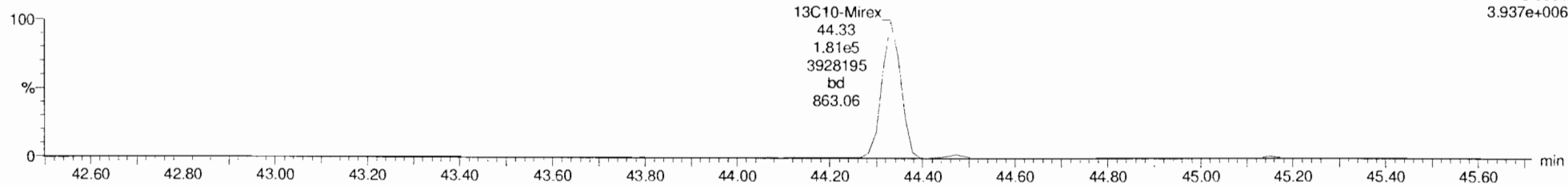
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
241.8581
6.016e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,EI+
243.8551
3.937e+006



Dataset: Untitled

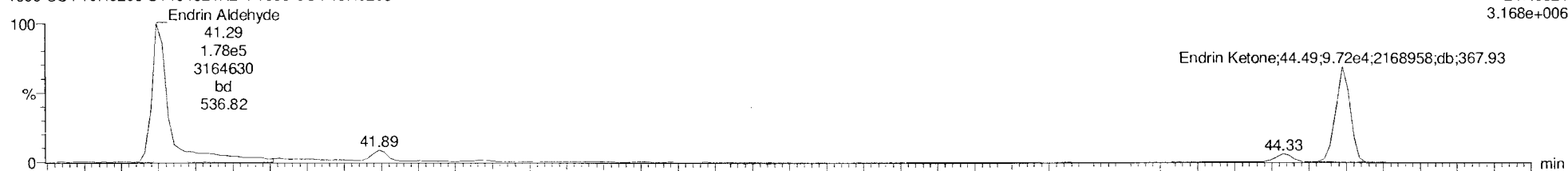
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Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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EA-EK

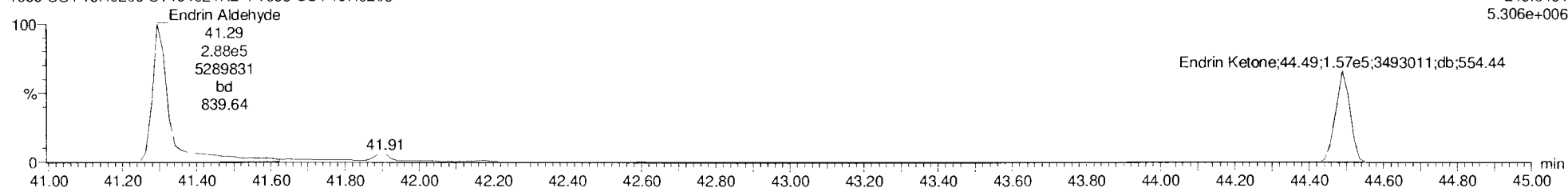
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,El+
247.8521
3.168e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

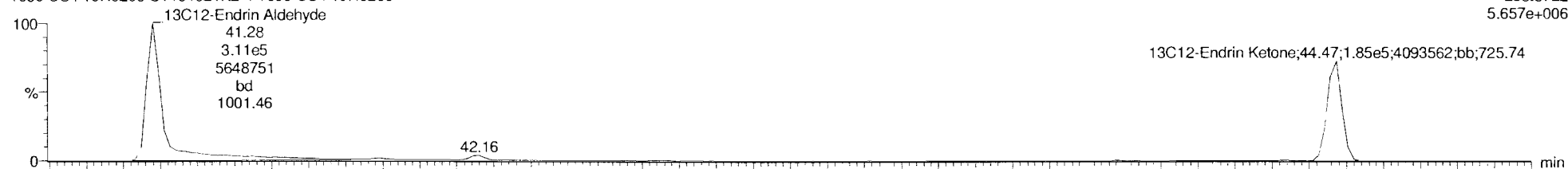
F5:Voltage SIR,El+
249.8491
5.306e+006



EA-EK-isotopes

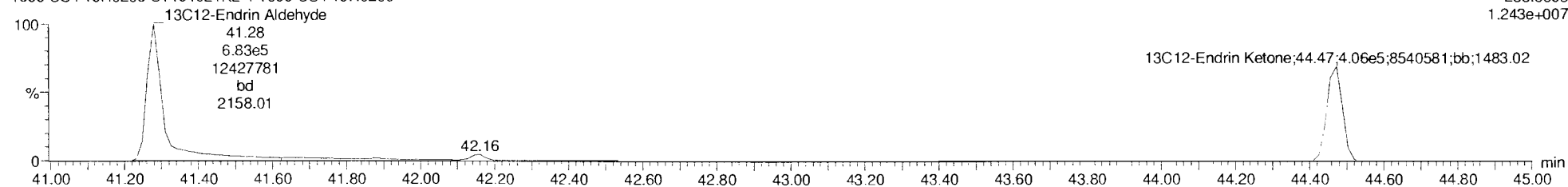
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

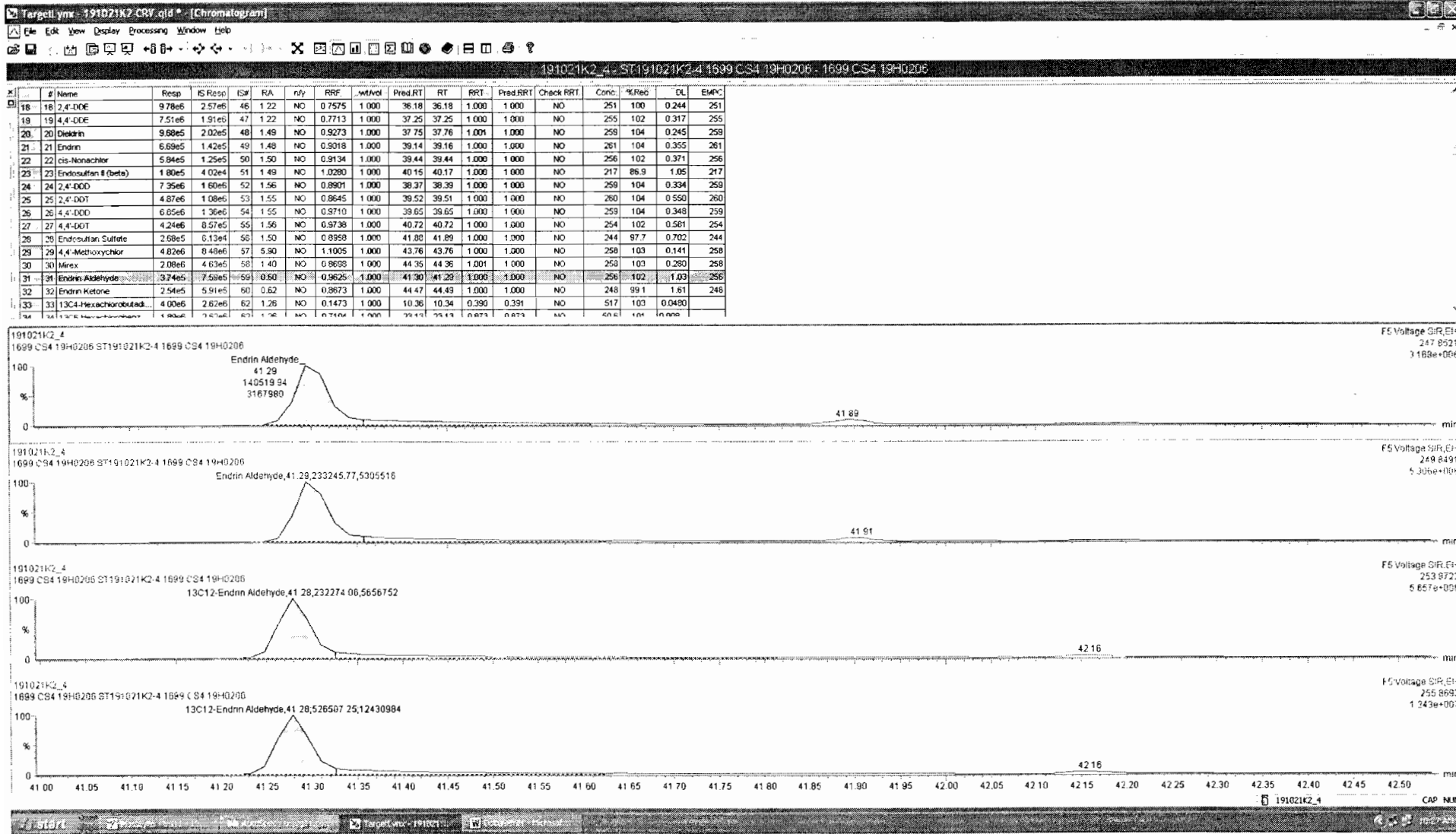
F5:Voltage SIR,El+
253.8722
5.657e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F5:Voltage SIR,El+
255.8693
1.243e+007





Dataset: Untitled

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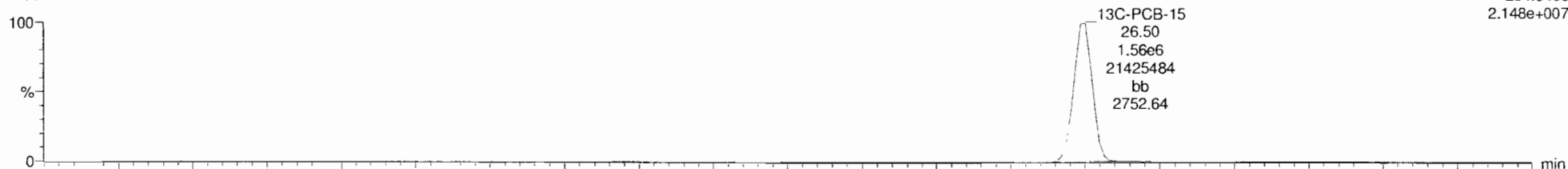
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_4, Date: 21-Oct-2019, Time: 15:30:19, ID: ST191021K2-4 1699 CS4 19H0206, Description: 1699 CS4 19H0206

13C-PCB-15

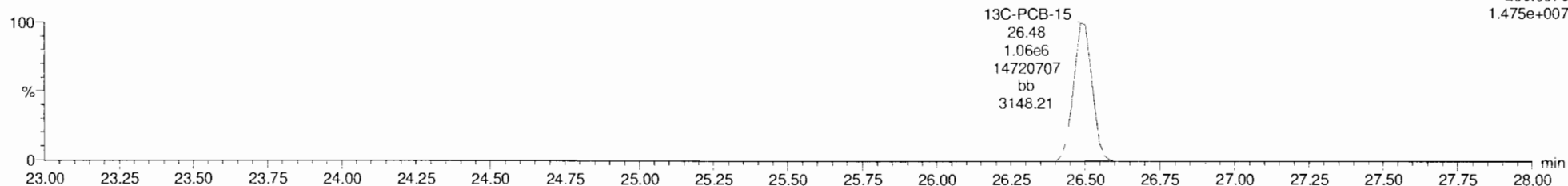
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F2:Voltage SIR,EI+
234.0406
2.148e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

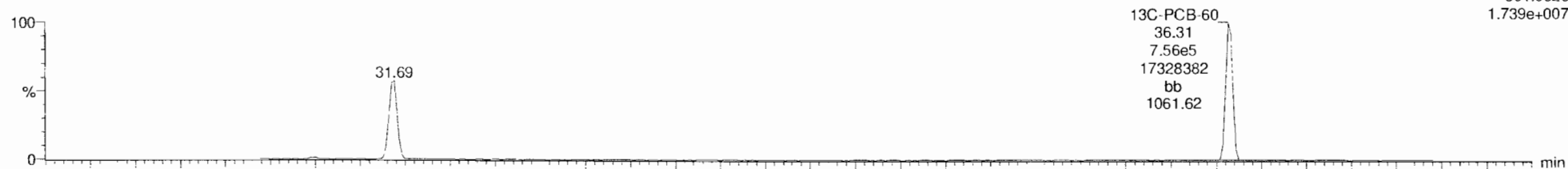
F2:Voltage SIR,EI+
236.0376
1.475e+007



13C-PCB-60

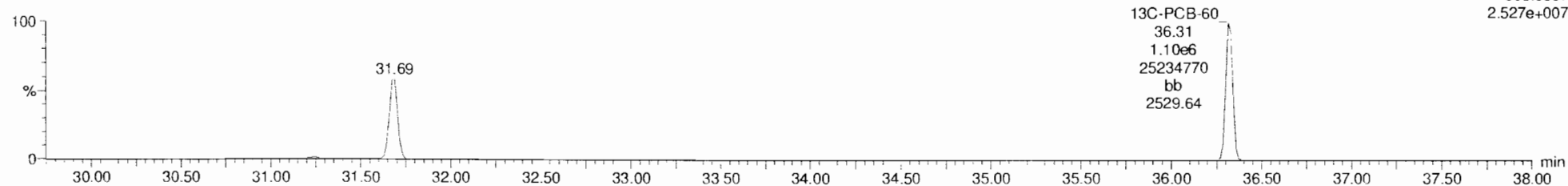
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
301.9626
1.739e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F3:Voltage SIR,EI+
303.9597
2.527e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

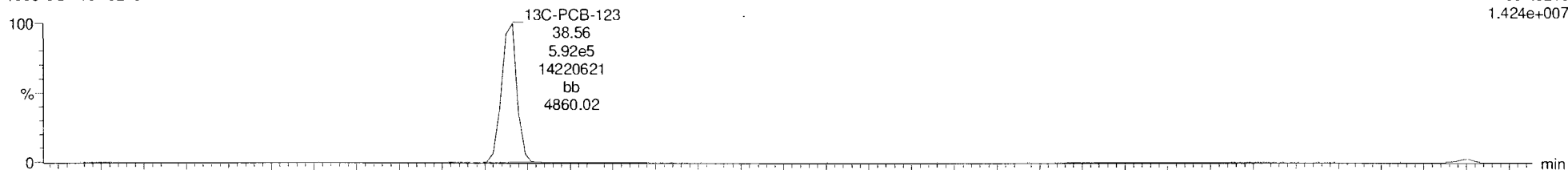
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

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13C-PCB-123

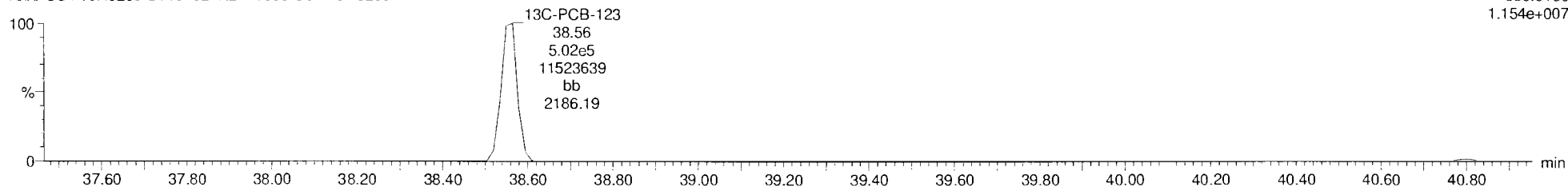
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
337.9210
1.424e+007



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

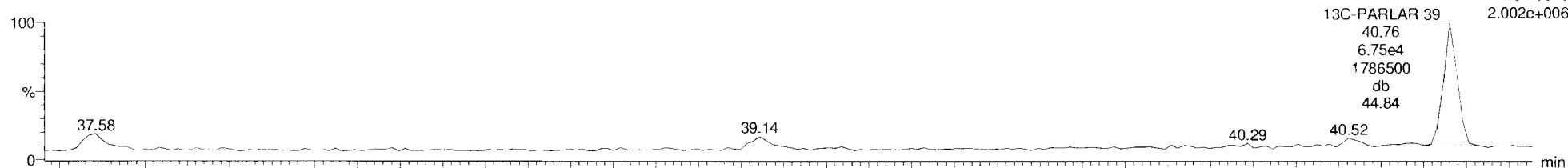
F4:Voltage SIR,EI+
339.9180
1.154e+007



13C-PARLAR 39

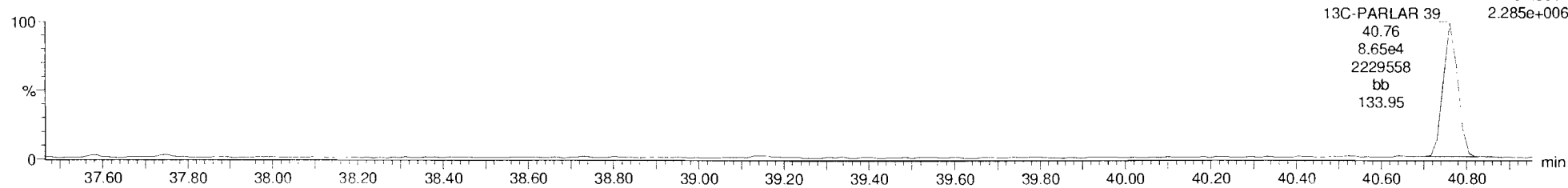
191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
251.9648
2.002e+006



191021K2_4
1699 CS4 19H0206 ST191021K2-4 1699 CS4 19H0206

F4:Voltage SIR,EI+
253.9619
2.285e+006



Dataset: Untitled

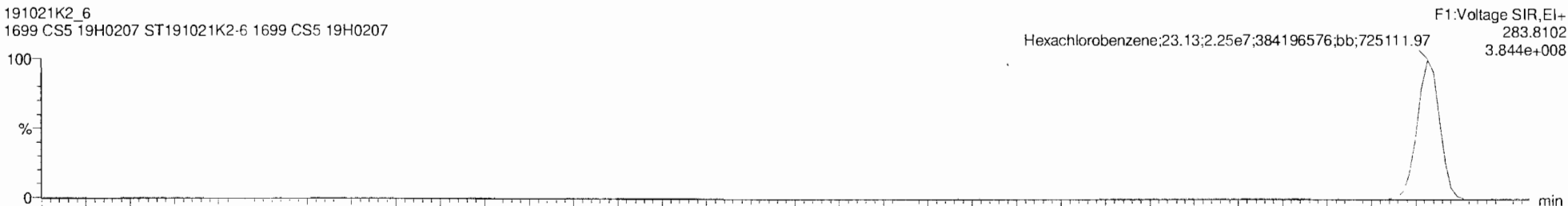
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Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

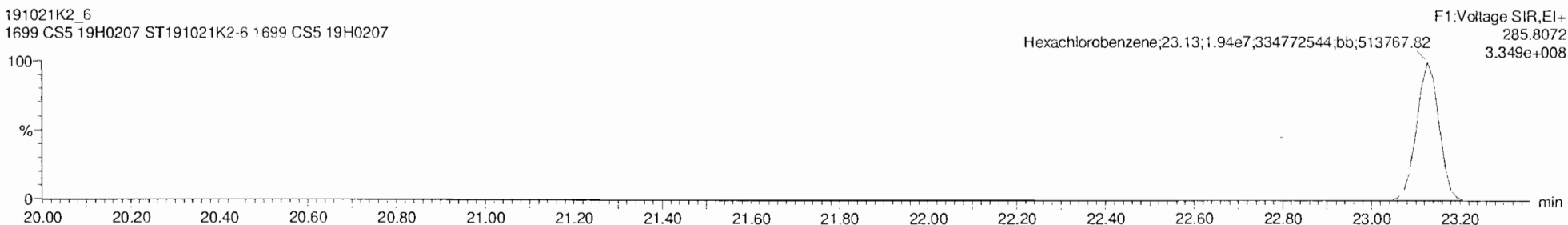
Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Hexachlorobenzene

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

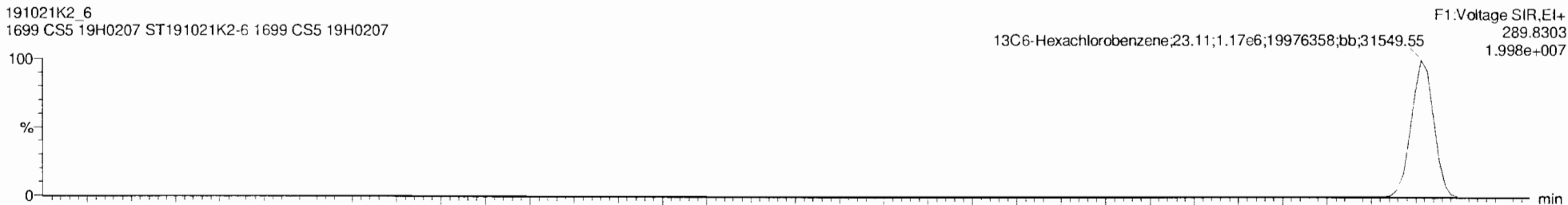


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

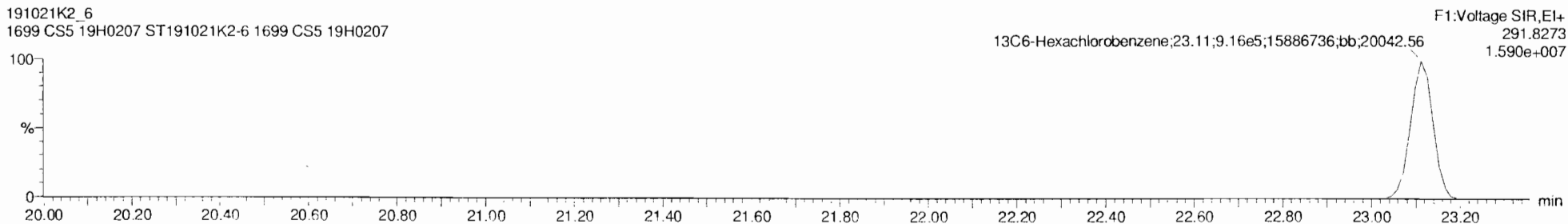


13C6-Hexachlorobenzene

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



Dataset: Untitled

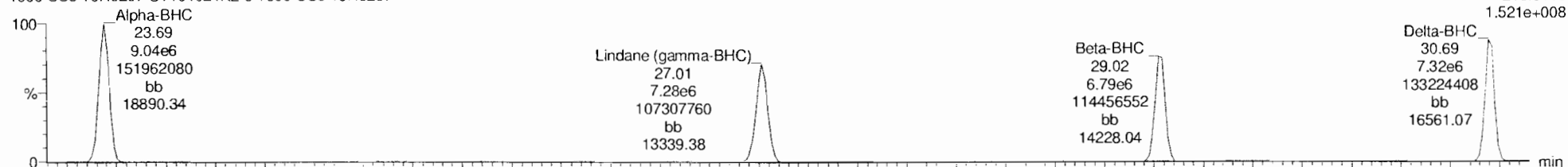
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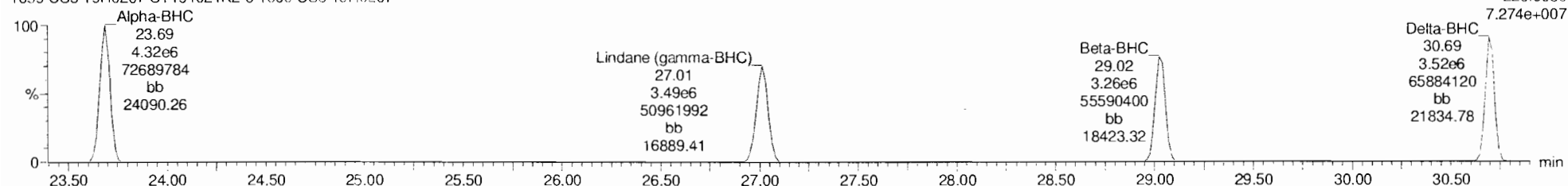
Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

BHC Totals

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

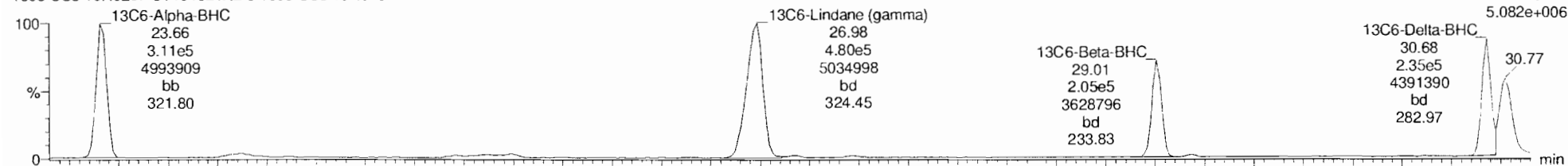


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

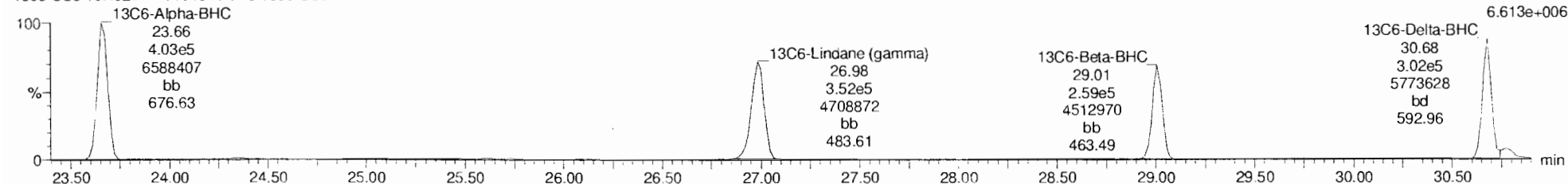


BHC-isotopes

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



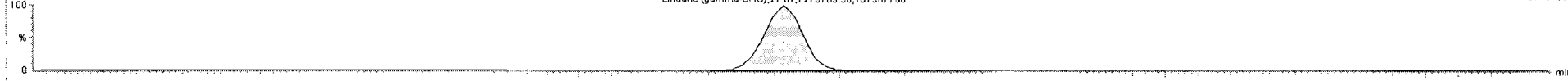
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



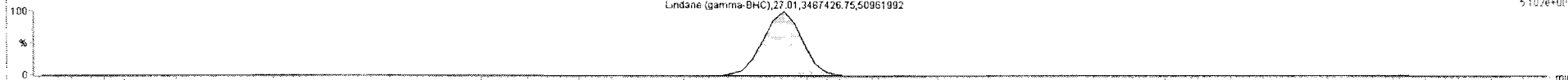
191021K2_6 - ST191021K2-6 1699 CS5 19H0207 - 1699 CS5 19H0207

#	Name	Resp	IS Resp	IS	RA	nly	RRF	wtAval	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	5.01e4	3.30e6	33	0.12	YES	0.1188	1.000	10.34	10.35	1.001	1.000	NO	63.9	1.07	0.106	11.8
2	Hexachlorobenzene	4.20e7	2.08e6	34	1.16	NO	0.8398	1.000	23.14	23.13	1.001	1.001	NO	1200	100	0.005	1200
3	Alpha-BHC	1.34e7	7.14e5	35	2.10	NO	0.7511	1.000	23.70	23.69	1.001	1.002	NO	1250	104	0.193	1250
4	Lindane (gamma-BHC)	1.08e7	8.22e5	36	2.09	NO	0.7173	1.000	27.01	27.01	1.001	1.001	NO	913	76.1	0.261	813
5	Beta-BHC	1.01e7	4.84e5	37	2.08	NO	0.8703	1.000	29.02	29.02	1.001	1.000	NO	1240	104	0.232	1240
6	Delta-BHC	1.08e7	5.37e5	38	2.08	NO	0.8175	1.000	30.70	30.69	1.000	1.001	NO	1230	103	0.202	1230
7	Heptachlor	1.00e7	4.55e5	39	1.05	NO	0.8883	1.000	29.16	29.17	1.001	1.001	NO	1270	106	0.138	1270
8	4,4'-DDNU	1.75e7	5.37e5	39	3.12	NO	1.3629	1.000	30.59	30.61	0.998	0.997	NO	1190	89.5	0.124	1190
9	Aldrin	1.22e7	5.20e5	40	1.56	NO	0.8459	1.000	31.27	31.26	1.001	1.001	NO	1240	100	0.105	1240
10	Oxychlorane	3.20e6	1.40e5	41	1.58	NO	0.5262	1.000	33.84	33.83	1.000	1.001	NO	1230	103	0.383	1230
11	cis-Heptachlor Epoxide	4.21e6	1.86e5	42	1.56	NO	0.9366	1.000	34.63	34.62	1.000	1.001	NO	1210	101	0.257	1210
12	trans-Heptachlor Epoxide	1.08e6	1.86e5	42	1.57	NO	0.2284	1.000	35.12	35.12	1.015	1.015	NO	1220	101	1.01	1220
13	trans-Chlordane (gamma)	3.57e6	1.60e5	43	1.54	NO	0.9004	1.000	35.53	35.53	1.000	1.001	NO	1080	90.3	0.298	1080
14	trans-Nonachlor	3.60e6	1.76e5	44	1.55	NO	0.9021	1.000	35.71	35.72	1.001	1.001	NO	1130	94.6	0.299	1130
15	cis-Chlordane	3.87e6	1.76e5	44	1.55	NO	0.8988	1.000	36.20	36.20	1.014	1.015	NO	1160	96.7	0.301	1160
16	Endosulfan I (alpha)	2.29e6	1.38e5	45	1.56	NO	1.0348	1.000	36.31	36.30	1.000	1.001	NO	800	66.7	0.338	800

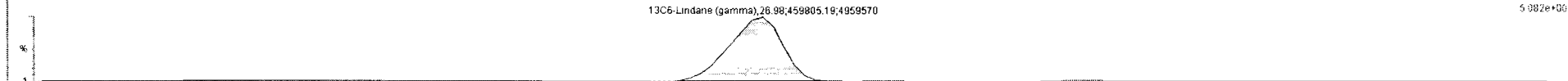
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207
F2 Voltage SIR.EI+
215.9116
1.074e+088



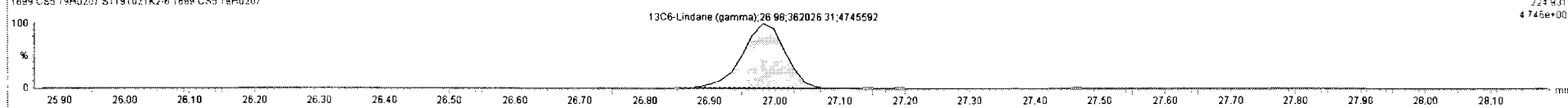
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207
F2 Voltage SIR.EI+
220.8086
5.102e+067



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207
F2 Voltage SIR.EI+
222.8346
5.982e+066



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207
F2 Voltage SIR.EI+
224.9317
4.745e+066



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

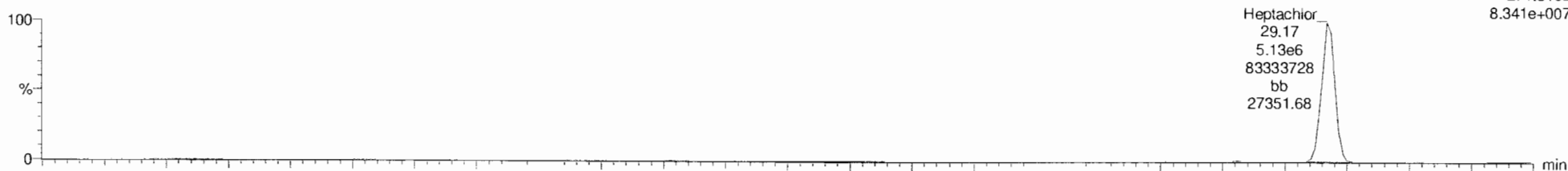
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Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Heptachlor

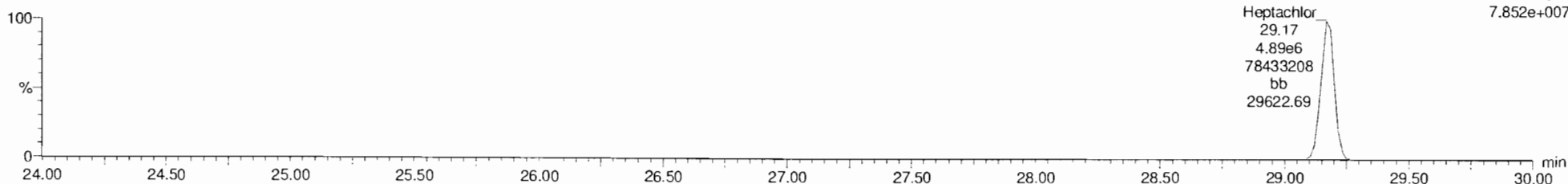
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
271.8102
8.341e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

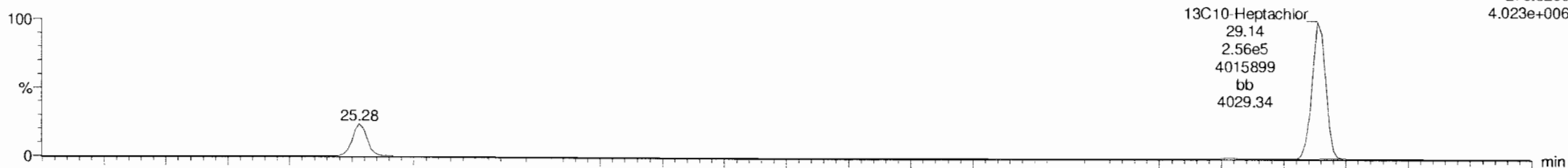
F2:Voltage SIR,EI+
273.8072
7.852e+007



13C10-Heptachlor

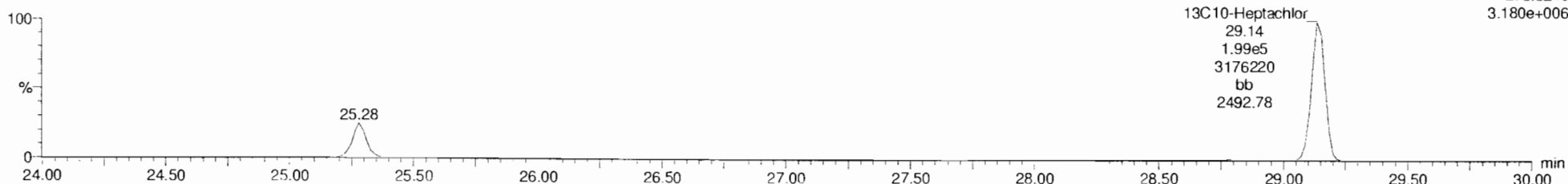
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
276.8269
4.023e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
278.8240
3.180e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

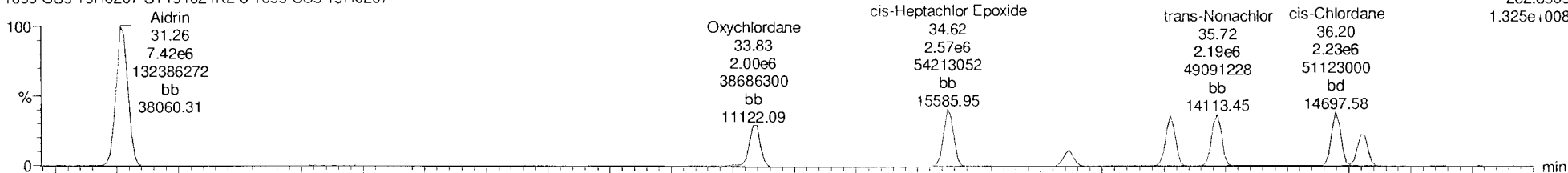
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Aldrin-EI

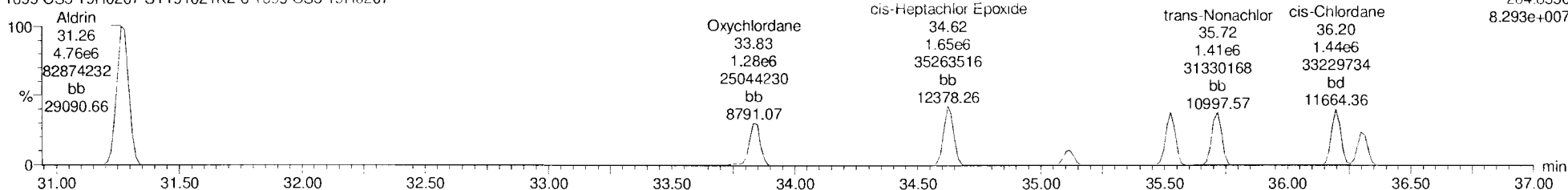
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
262.8569
1.325e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

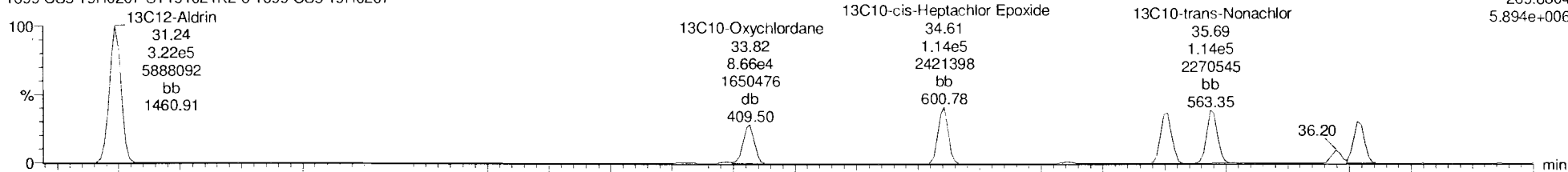
F3:Voltage SIR,EI+
264.8550
8.293e+007



Aldrin-EI-isotopes

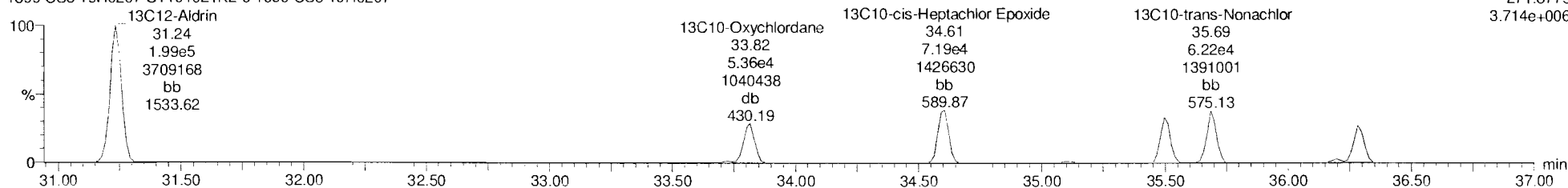
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

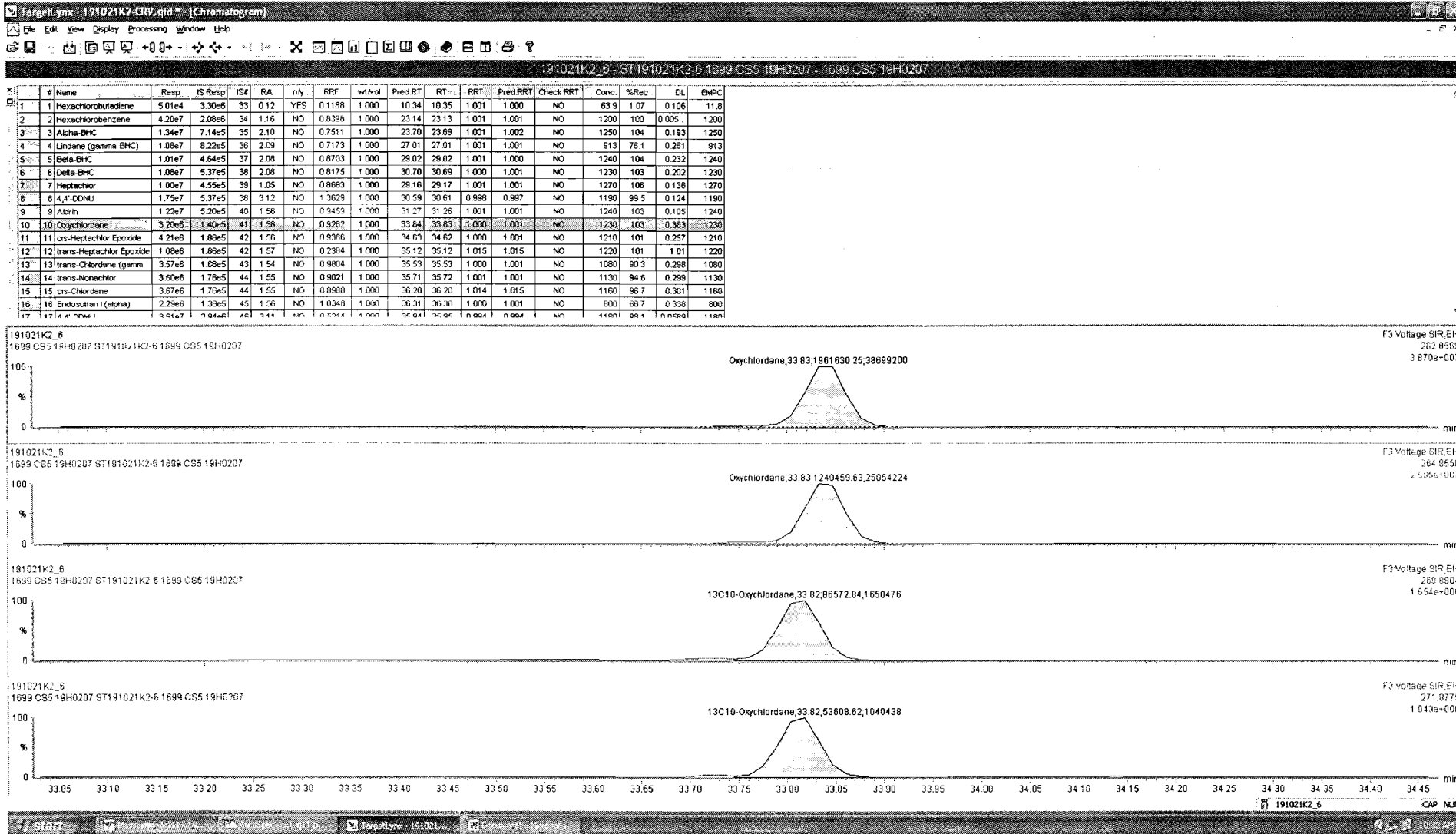
F3:Voltage SIR,EI+
269.8804
5.894e+006

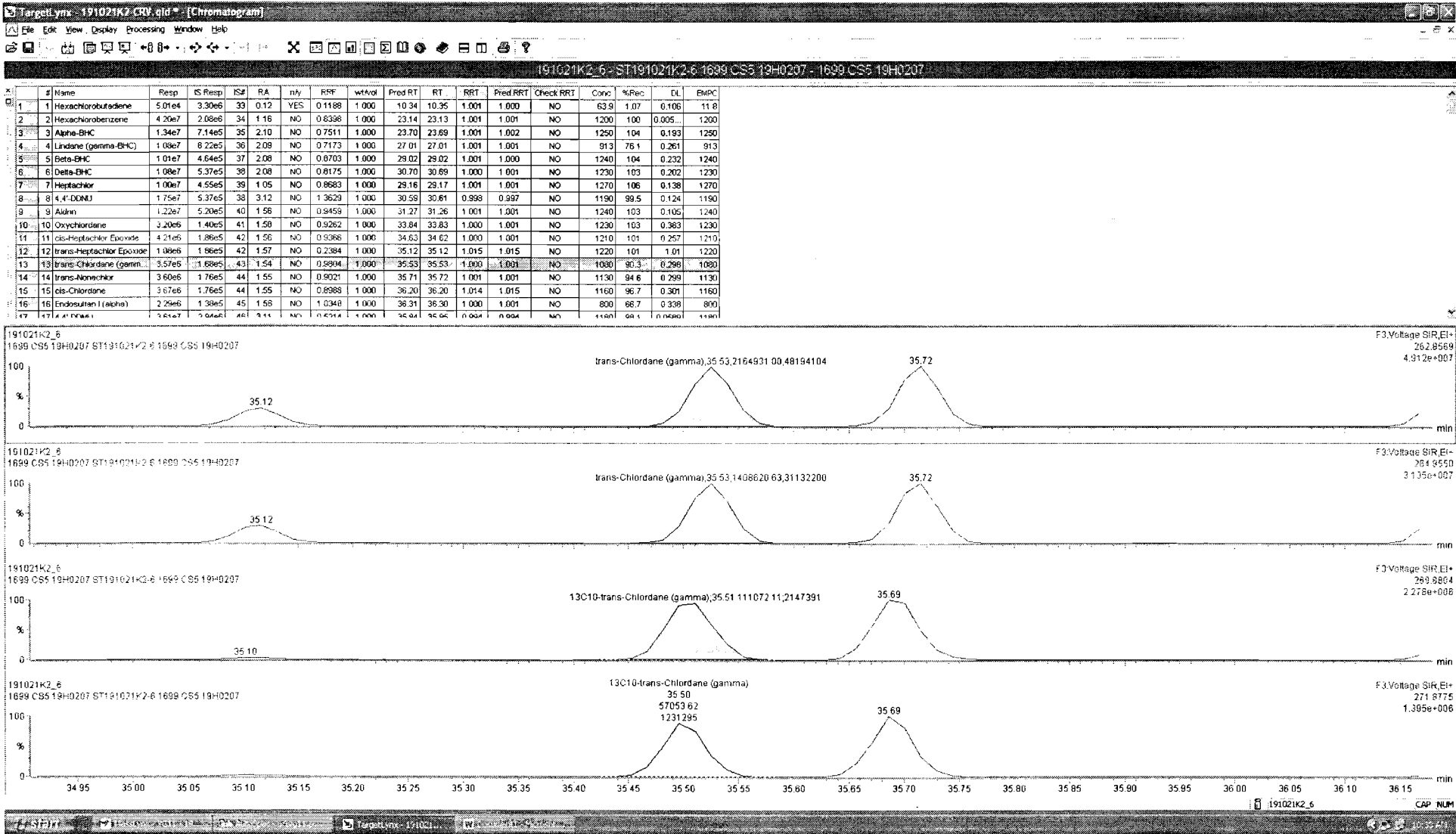


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
271.8775
3.714e+006

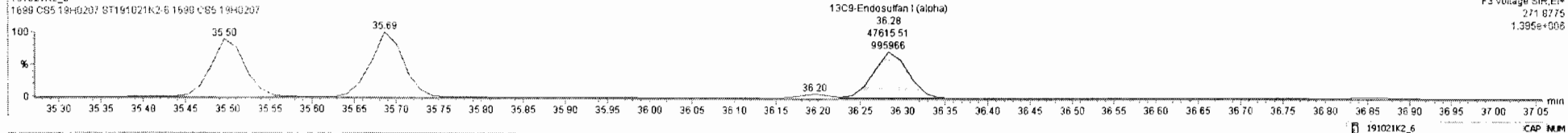
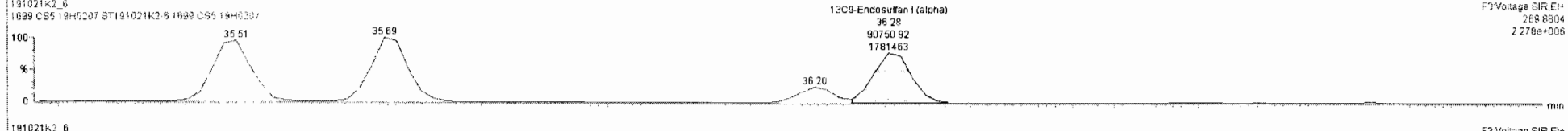
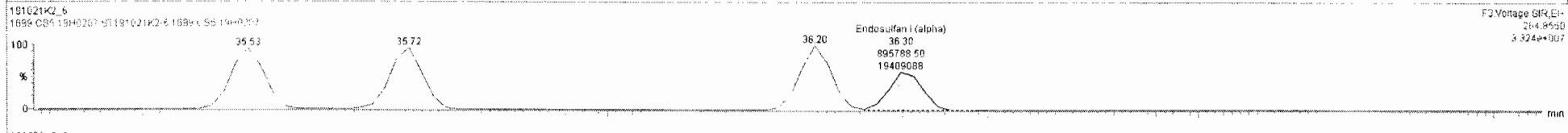
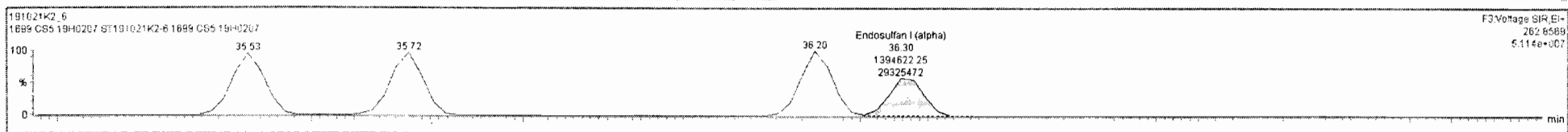






191021K2_6 - ST191021K2-6 1699 CS5 19H0207 - 1699 CS5 19H0207

#	Name	Resp	IS Resp	IS#	RA	n/y	RF	w/kol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	Hexachlorobutadiene	5.01e4	3.30e5	33	0.12	YES	0.1188	1.000	10.34	10.35	1.001	1.000	NO	63.8	1.07	0.106	11.8
2	Hexachlorobenzene	4.20e7	2.03e6	34	1.16	NO	0.8398	1.000	23.14	23.13	1.001	1.001	NO	1200	100	0.005	1200
3	Alpha-BHC	1.34e7	7.14e5	35	2.10	NO	0.7511	1.000	23.70	23.69	1.001	1.002	NO	1250	104	0.193	1250
4	Lindene (gamma-BHC)	1.08e7	8.22e5	36	2.09	NO	0.7173	1.000	27.01	27.01	1.001	1.001	NO	913	76.1	0.261	913
5	Beta-BHC	1.01e7	4.64e5	37	2.08	NO	0.8703	1.000	29.02	29.02	1.001	1.000	NO	1240	104	0.232	1240
6	Delta-BHC	1.09e7	5.37e5	38	2.08	NO	0.8175	1.000	30.70	30.69	1.000	1.001	NO	1230	103	0.202	1230
7	Heptachlor	1.00e7	4.55e5	39	1.05	NO	0.8683	1.000	29.16	29.17	1.001	1.001	NO	1270	106	0.138	1270
8	4,4-DDNU	1.75e7	5.37e5	38	3.12	NO	1.3629	1.000	30.59	30.61	0.998	0.997	NO	1190	89.5	0.124	1190
9	Aldrin	1.22e7	5.20e5	40	1.56	NO	0.9459	1.000	31.27	31.26	1.001	1.001	NO	1240	103	0.105	1240
10	Oxychlorane	3.20e6	1.40e5	41	1.58	NO	0.9262	1.000	33.84	33.03	1.000	1.001	NO	1230	103	0.383	1230
11	cis-Heptachlor Epoxide	4.21e6	1.86e5	42	1.56	NO	0.9355	1.000	34.63	34.62	1.000	1.001	NO	1210	101	0.257	1210
12	trans-Heptachlor Epoxide	1.08e6	1.86e5	42	1.57	NO	0.9384	1.000	35.12	35.12	1.015	1.015	NO	1220	101	1.01	1220
13	trans-Chlordane (gamma)	3.57e6	1.68e5	43	1.54	NO	0.9604	1.000	35.53	35.53	1.000	1.001	NO	1080	90.3	0.296	1080
14	trans-Nonachlor	3.60e6	1.76e5	44	1.55	NO	0.9021	1.000	35.71	35.72	1.001	1.001	NO	1130	94.6	0.299	1130
15	cis-Chlordane	3.67e6	1.76e5	44	1.55	NO	0.8988	1.000	36.20	36.20	1.014	1.015	NO	1160	96.7	0.301	1160
16	Endosulfan I (alpha)	2.29e5	1.38e5	45	1.56	NO	1.0348	1.000	36.31	36.30	1.000	1.001	NO	900	66.7	0.338	900
17	Endosulfan I (beta)	2.61e7	2.06e6	46	3.11	NO	0.8714	1.000	36.04	36.04	0.994	0.994	NO	1180	98.1	0.0680	1180



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

DDMU-DDE

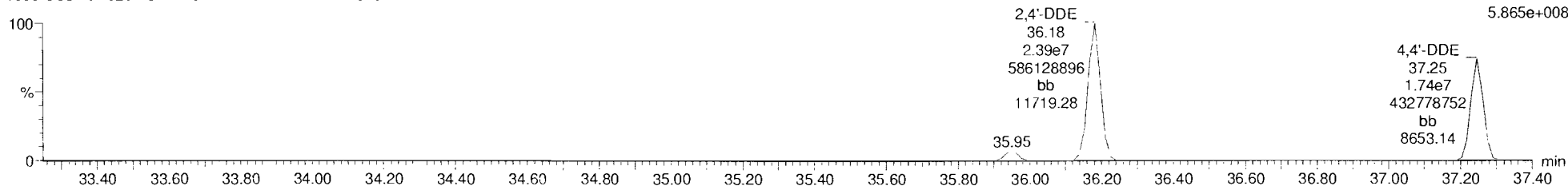
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
246.0003
7.303e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

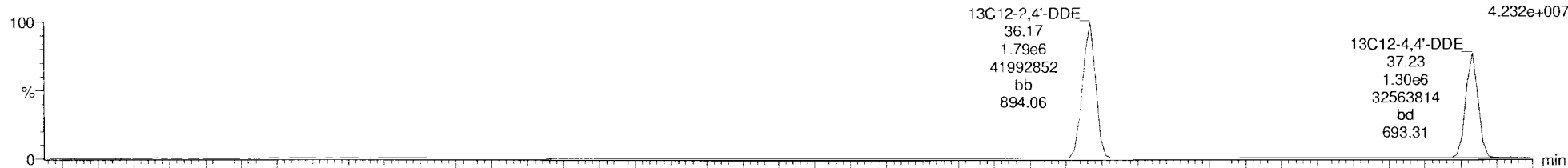
F3:Voltage SIR,EI+
247.9974
5.865e+008



DDE-isotopes

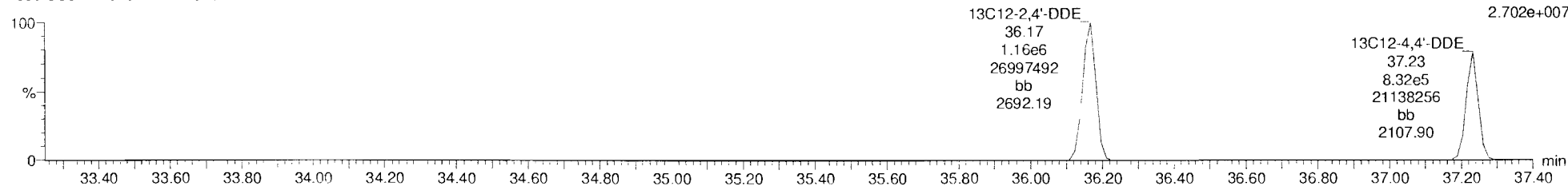
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
258.0406
4.232e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
260.0376
2.702e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

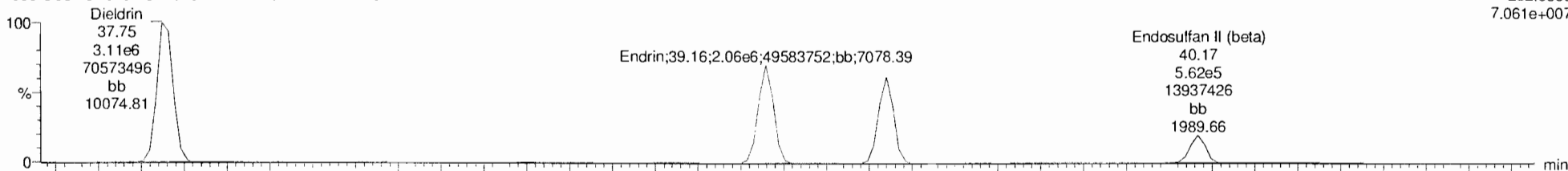
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Dieldrin-EII

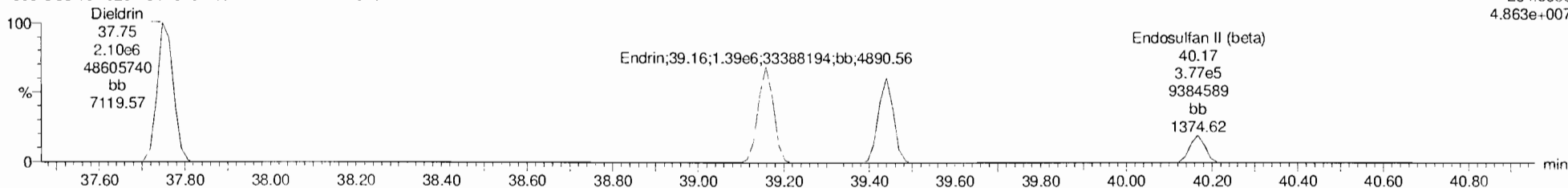
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR, EI+
262.8569
7.061e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

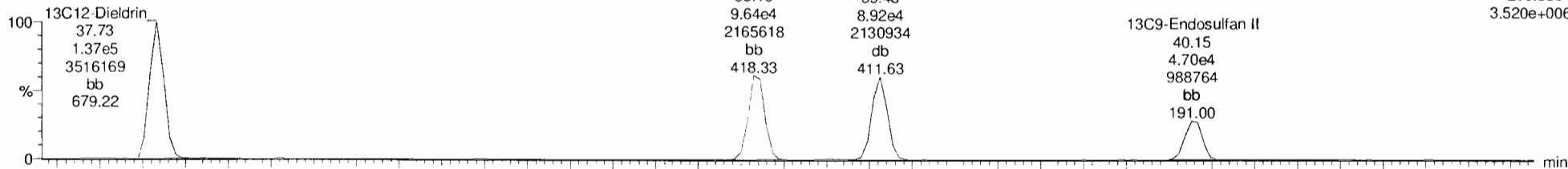
F4:Voltage SIR, EI+
264.8550
4.863e+007



Dieldrin-EII-isotopes

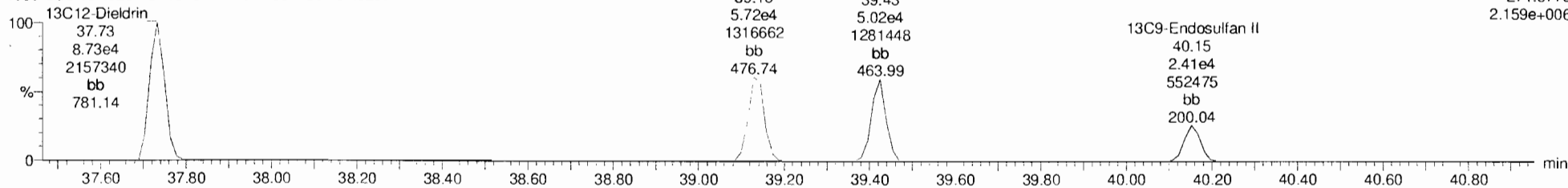
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR, EI+
269.8804
3.520e+006



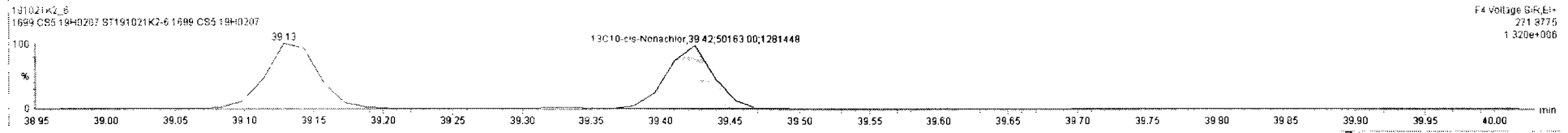
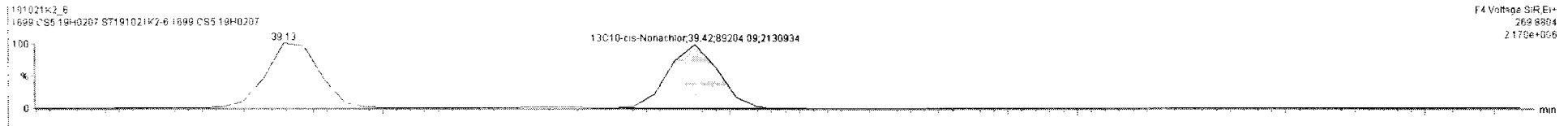
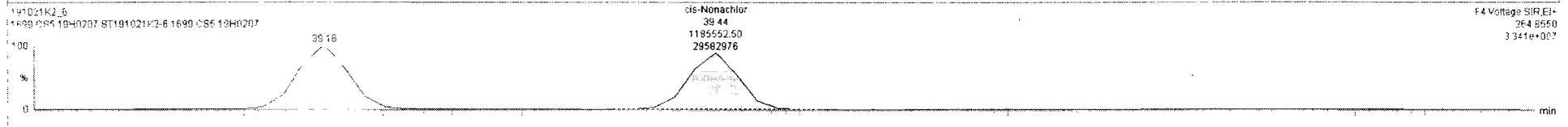
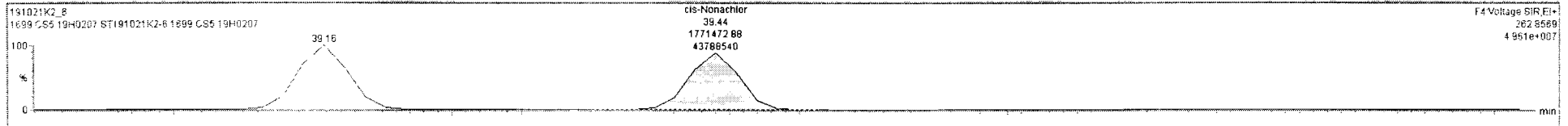
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR, EI+
271.8775
2.159e+006



191021K2_6-ST191021K2-6-1699 CS5 19H0207 - 1699 CS5 19H0207

#	Name	Resp	IS Resp	IS#	PA	inj	RRF	w/wt	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
18	2,4'-DDE	5.34e7	2.94e6	46	1.23	NO	0.7575	1.000	36.18	36.18	1.000	1.000	NO	1200	99.7	0.172	1200
19	4,4'-DDE	3.88e7	2.14e6	47	1.24	NO	0.7713	1.000	37.25	37.25	1.000	1.000	NO	1180	98.2	0.219	1180
20	Dieldrin	5.21e6	2.25e5	48	1.48	NO	0.9273	1.000	37.75	37.75	1.000	1.000	NO	1250	104	0.389	1250
21	Endrin	3.45e6	1.54e5	49	1.48	NO	0.9018	1.000	39.13	39.16	1.001	1.000	NO	1250	104	0.667	1250
22	cis-Nonachlor	2.98e6	1.39e5	50	1.49	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	1160	96.8	0.682	1160
23	Endosulfan I (beta)	9.39e5	7.12e4	51	1.49	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	642	53.5	1.35	642
24	2,4'-DDD	3.99e7	1.90e6	52	1.58	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	1180	98.4	0.586	1180
25	2,4'-DDT	2.66e7	1.25e6	53	1.56	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	1230	103	0.961	1230
26	4,4'-DDD	3.50e7	1.57e6	54	1.54	NO	0.9710	1.000	39.64	39.63	1.000	1.000	NO	1160	98.5	0.700	1160
27	4,4'-DDT	2.27e7	9.72e5	55	1.54	NO	0.9738	1.000	40.71	40.70	1.000	1.000	NO	1200	99.8	1.08	1200
28	Endosulfan Sulfate	1.43e6	6.93e4	56	1.51	NO	0.8959	1.000	41.88	41.89	1.000	1.000	NO	1160	96.3	1.08	1160
29	4,4'-Methoxychlor	2.46e7	9.29e5	57	5.85	NO	1.1005	1.000	43.76	43.76	1.000	1.000	NO	1200	100	0.174	1200
30	Mirex	9.84e6	4.65e5	58	1.41	NO	0.8898	1.000	44.35	44.35	1.000	1.000	NO	1210	101	0.792	1210
31	Endrin Aldehyde	2.15e6	9.38e5	59	0.61	NO	0.9625	1.000	41.30	41.29	1.000	1.000	NO	1190	99.3	1.24	1190
32	Endrin Ketone	1.35e6	6.48e5	60	0.61	NO	0.8673	1.000	44.46	44.49	1.001	1.000	NO	1210	100	2.26	1210
33	13C4-Hexachlorobutadi.	3.30e5	2.83e6	62	1.26	NO	1.1473	1.000	10.35	10.34	0.390	0.391	NO	396	79.3	0.0398	



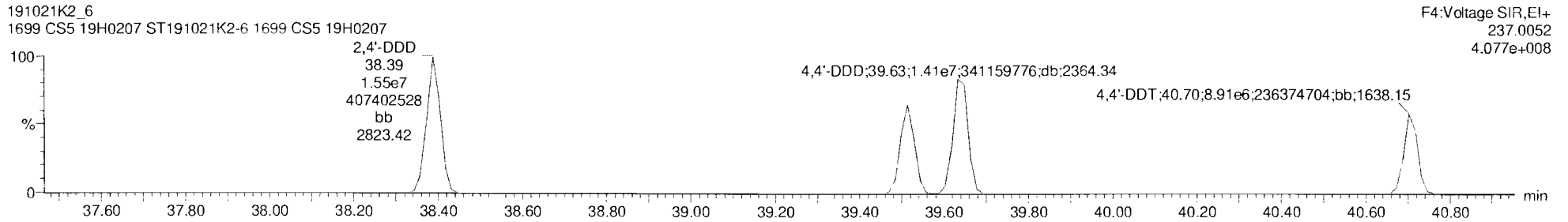
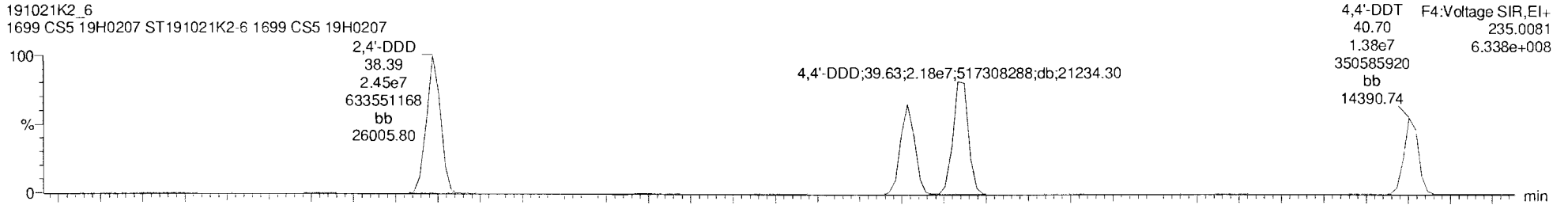
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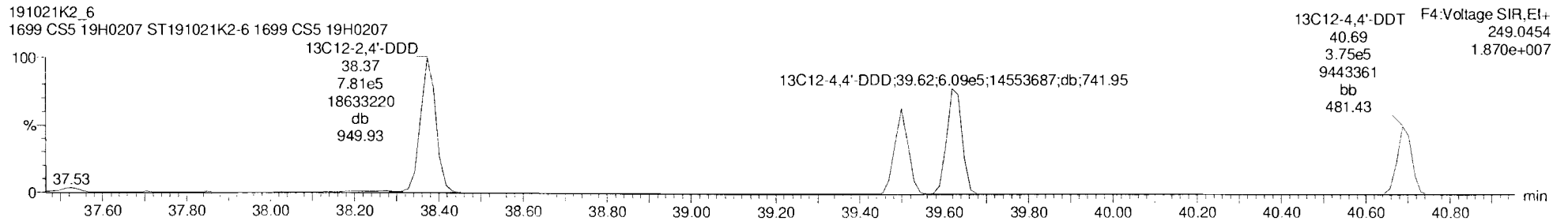
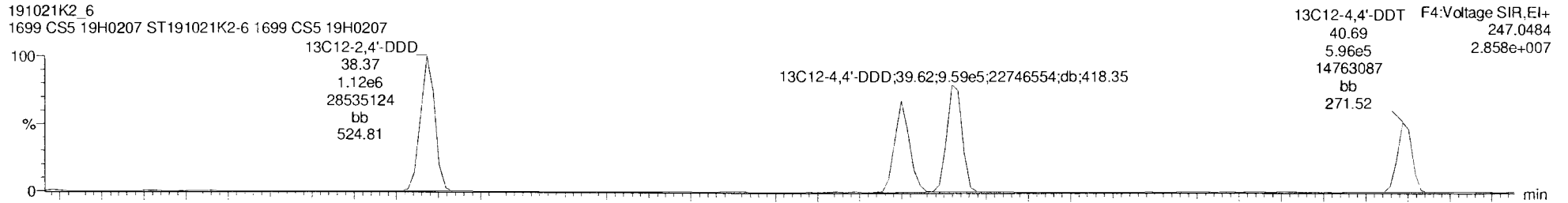
Printed: Tuesday, October 22, 2019 9:38:09 AM Pacific Daylight Time

Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

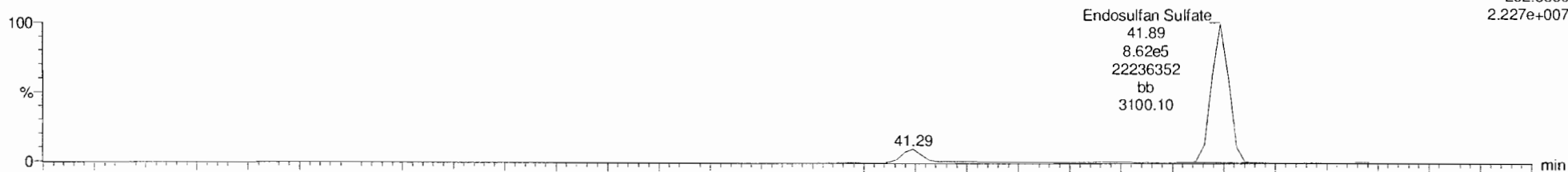
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Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

Endosulfan Sulfate

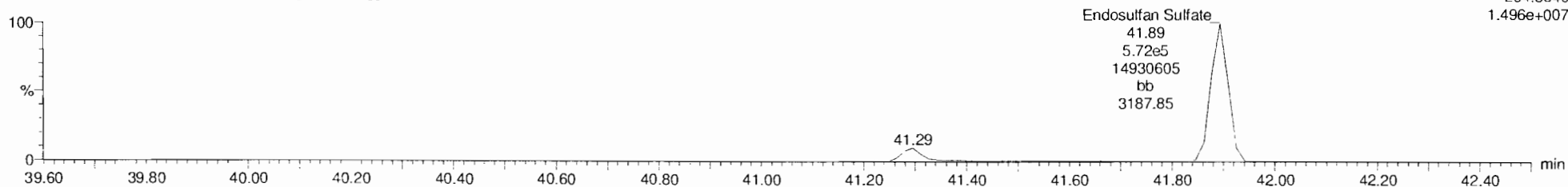
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
262.8569
2.227e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

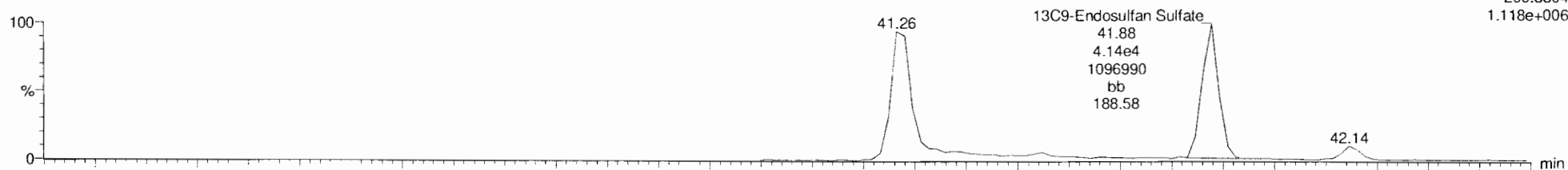
F5:Voltage SIR,EI+
264.8540
1.496e+007



13C9-Endosulfan Sulfate

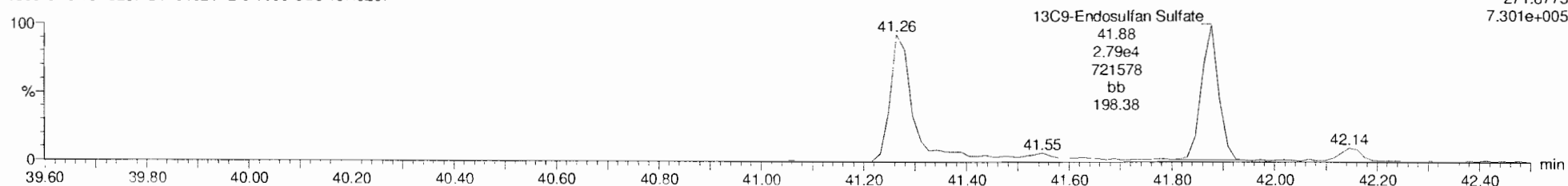
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
269.8804
1.118e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
271.8775
7.301e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

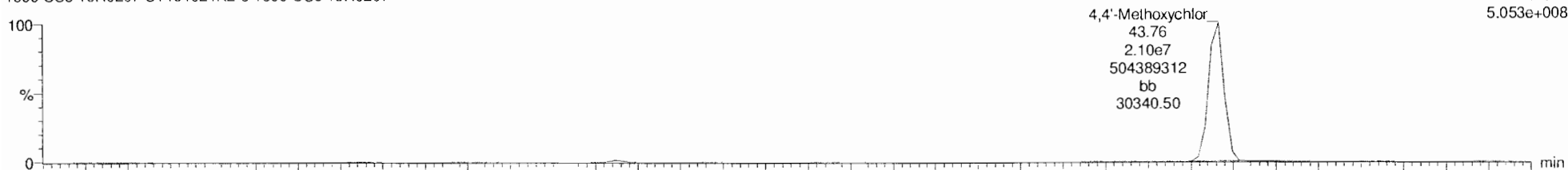
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Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

4,4'-Methoxychlor

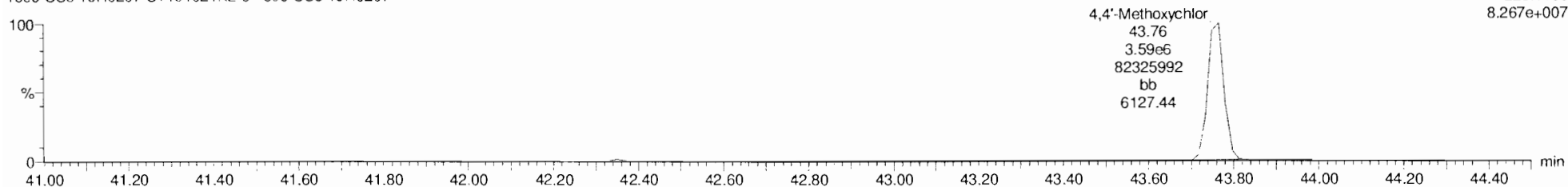
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
227.1072
5.053e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

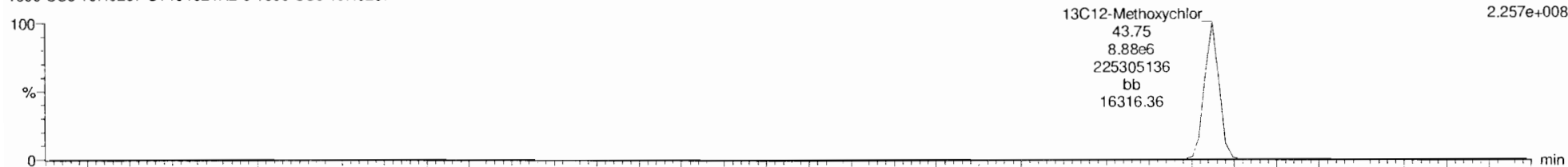
F5:Voltage SIR,EI+
228.1106
8.267e+007



13C12-Methoxychlor

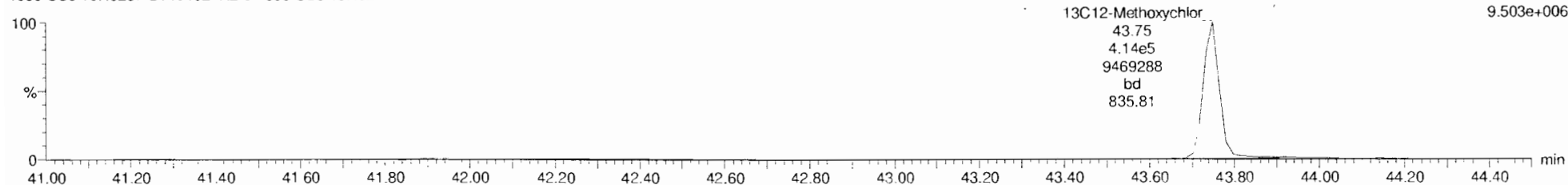
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
239.1475
2.257e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
240.1508
9.503e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

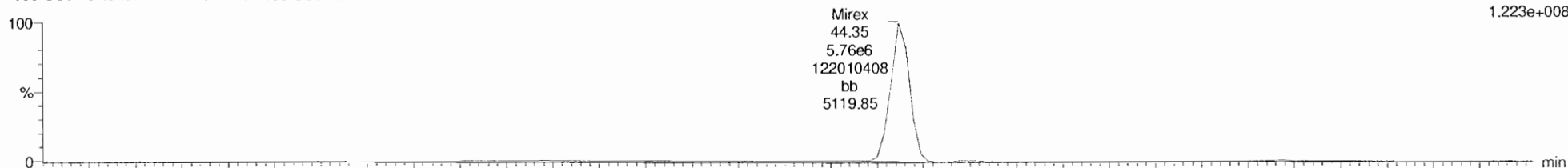
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Mirex

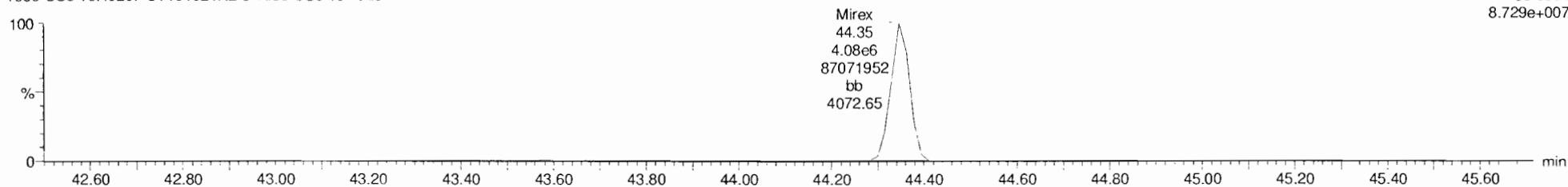
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
236.8413
1.223e+008



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

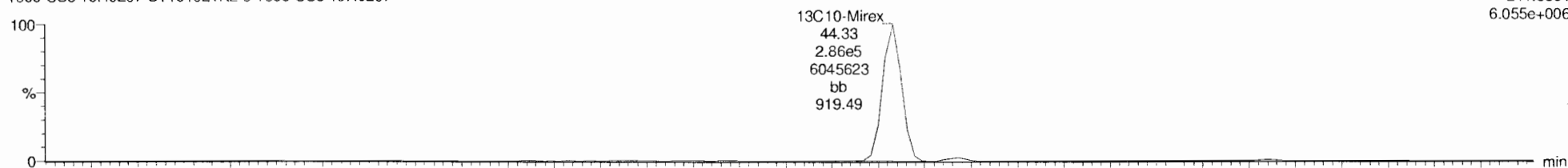
F5:Voltage SIR,EI+
238.8384
8.729e+007



13C10-Mirex

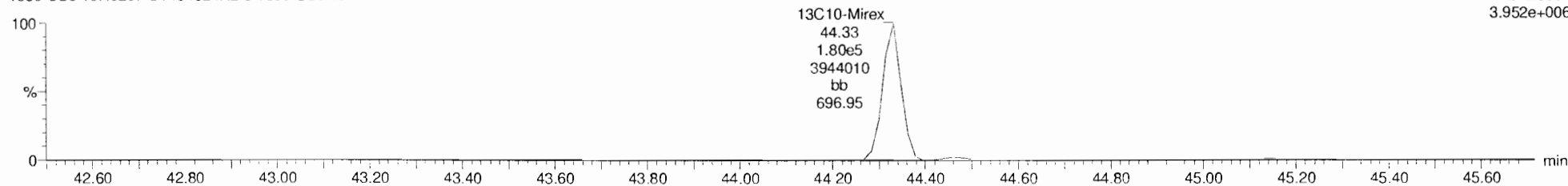
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
241.8581
6.055e+006



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F5:Voltage SIR,EI+
243.8551
3.952e+006



Dataset: Untitled

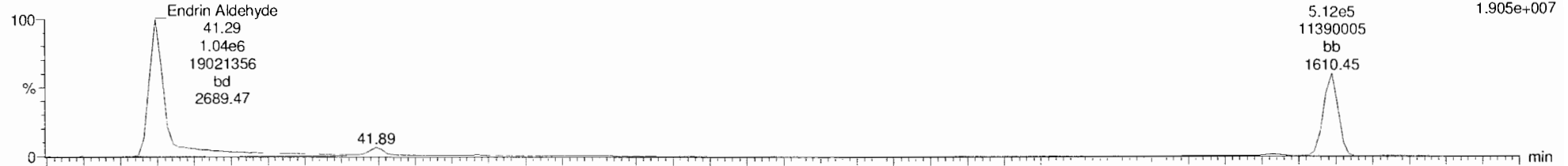
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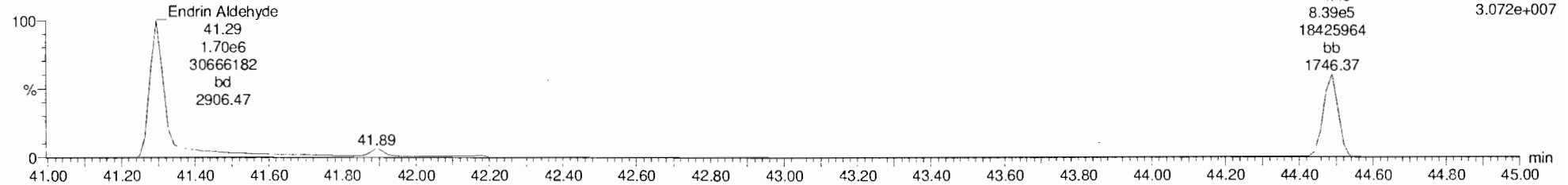
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EA-EK

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

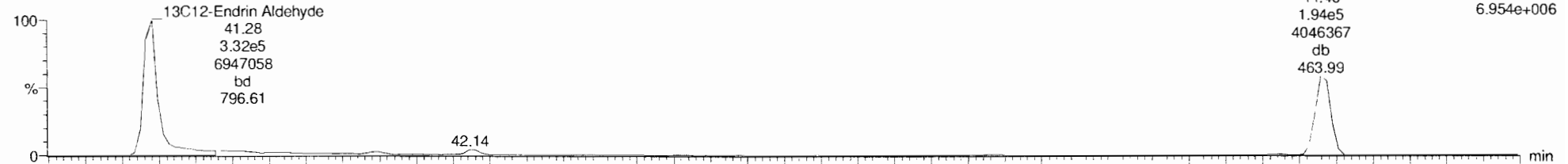


191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

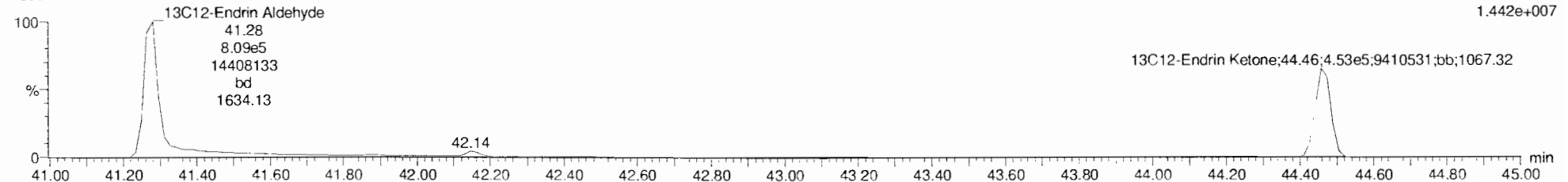


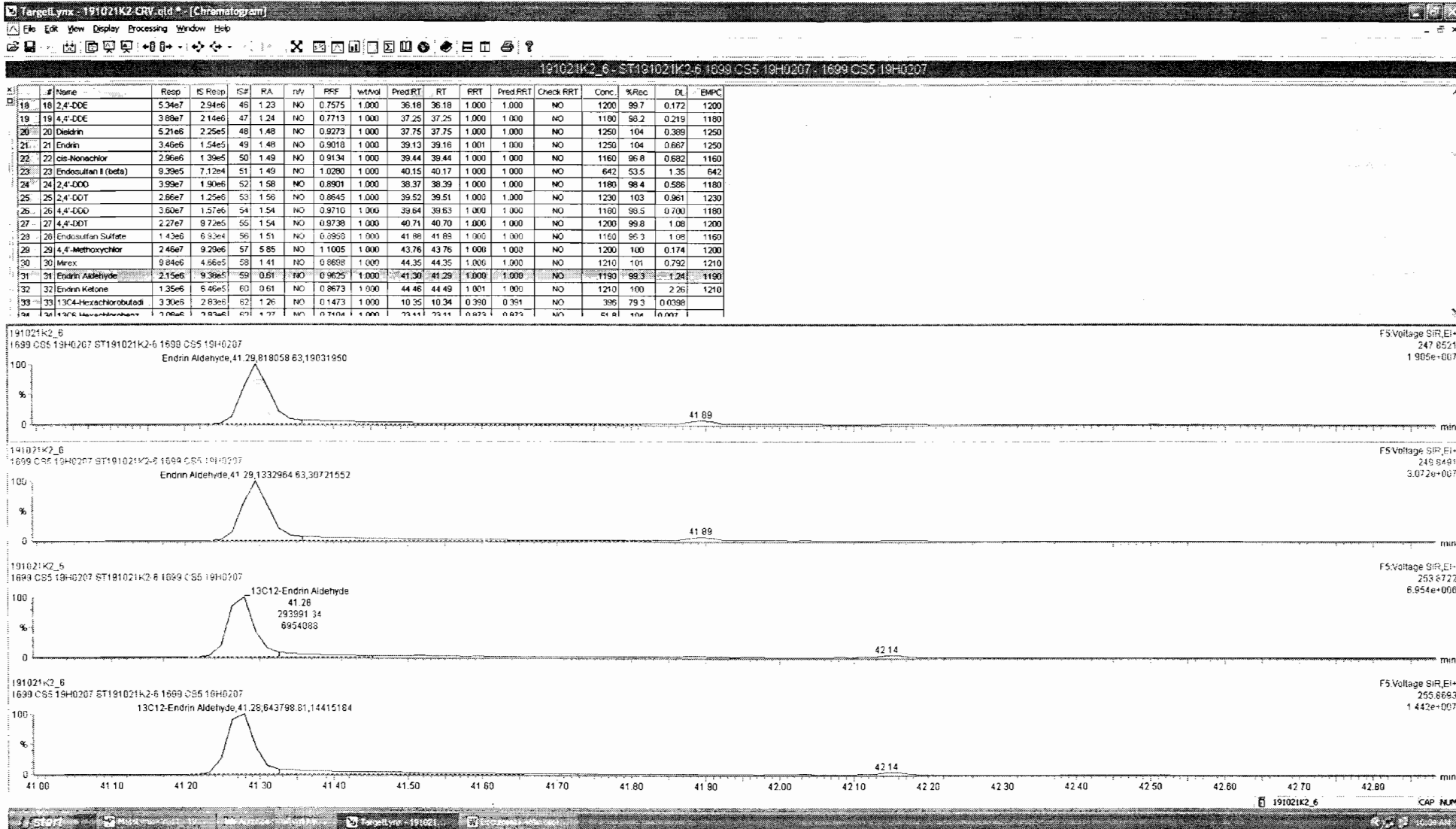
EA-EK-isotopes

191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207





Dataset: Untitled

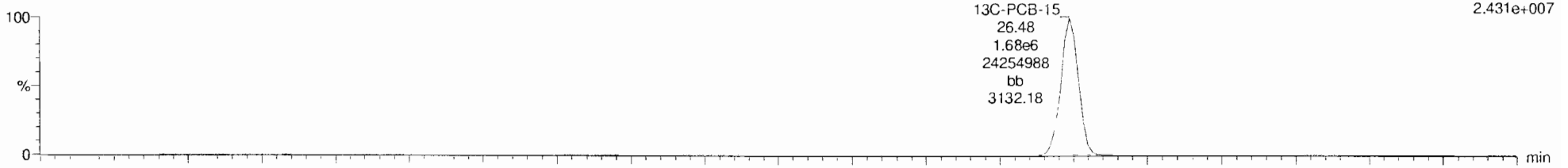
Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time
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13C-PCB-15

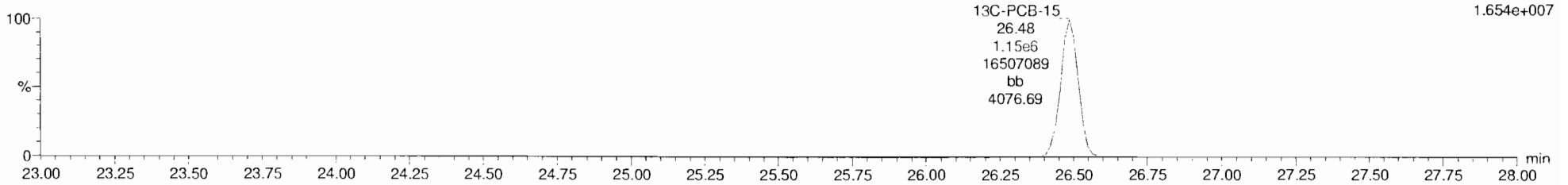
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F2:Voltage SIR,EI+
234.0406
2.431e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

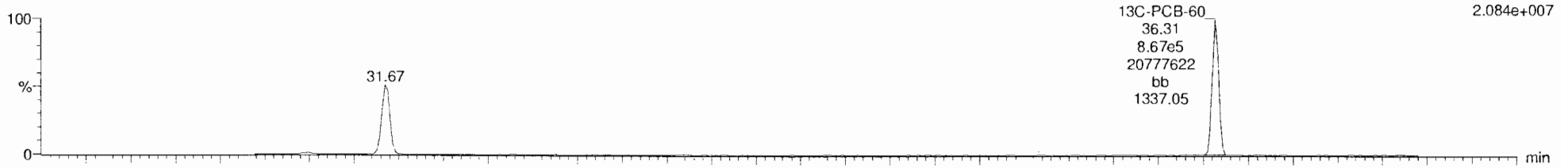
F2:Voltage SIR,EI+
236.0376
1.654e+007



13C-PCB-60

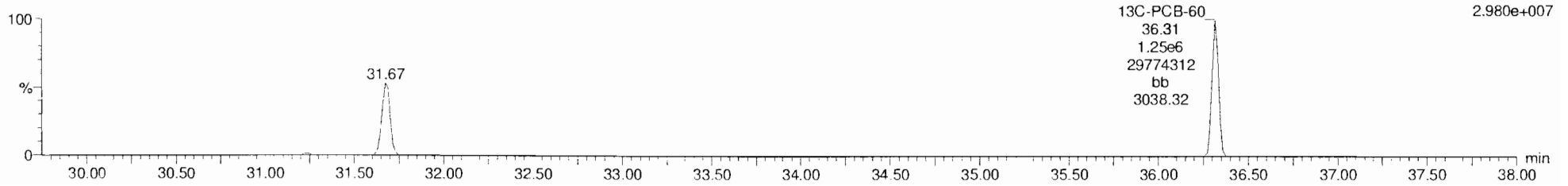
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
301.9626
2.084e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F3:Voltage SIR,EI+
303.9597
2.980e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 9:37:15 AM Pacific Daylight Time

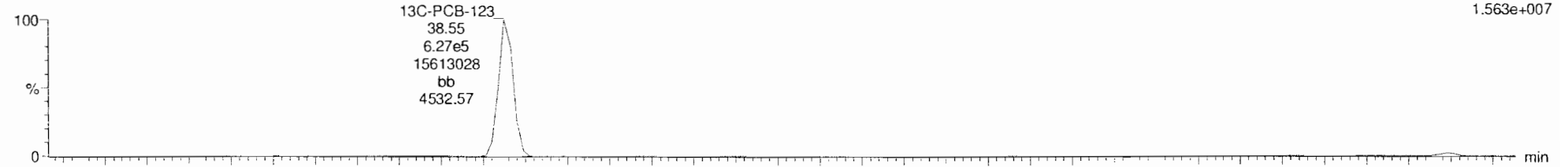
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13C-PCB-123

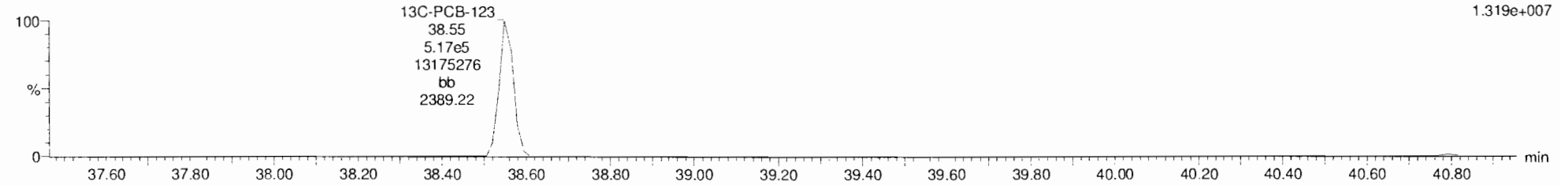
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR,EI+
337.9210
1.563e+007



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

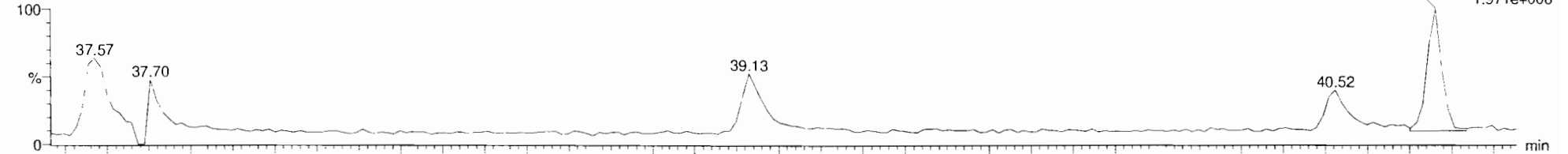
F4:Voltage SIR,EI+
339.9180
1.319e+007



13C-PARLAR 39

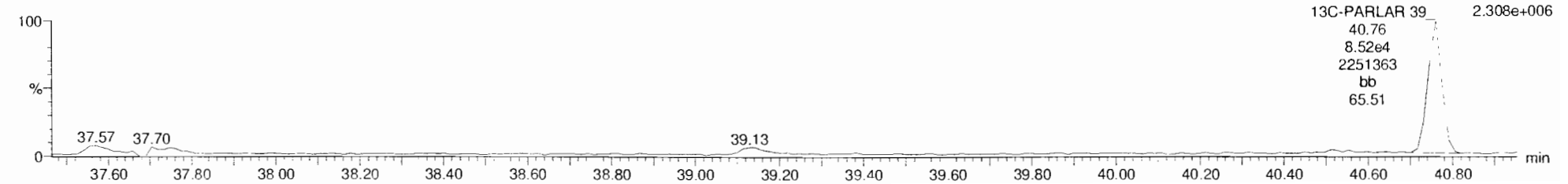
191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR,EI+
251.9648
1.971e+006
13C-PARLAR 39;40.76;7.24e4;1774968,dd;40.48



191021K2_6
1699 CS5 19H0207 ST191021K2-6 1699 CS5 19H0207

F4:Voltage SIR,EI+
253.9619
2.308e+006



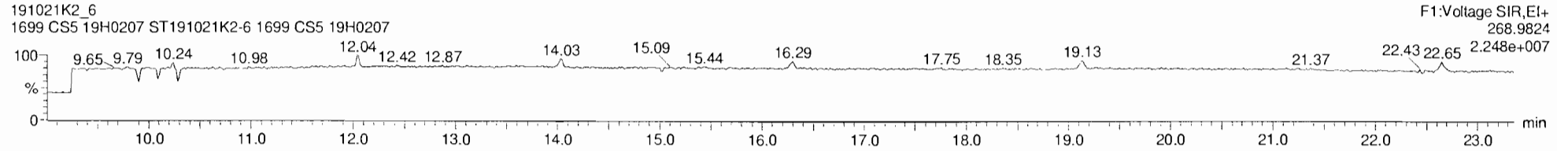
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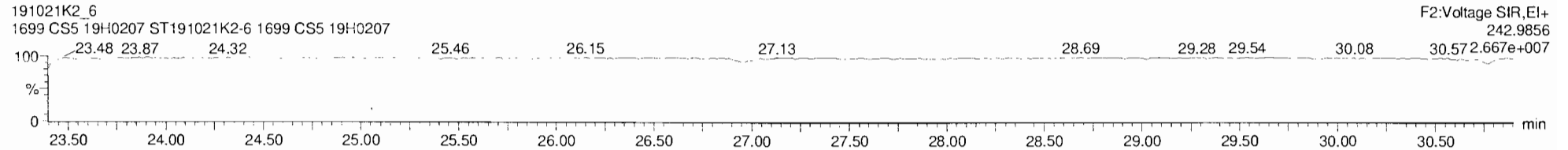
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Name: 191021K2_6, Date: 21-Oct-2019, Time: 17:09:22, ID: ST191021K2-6 1699 CS5 19H0207, Description: 1699 CS5 19H0207

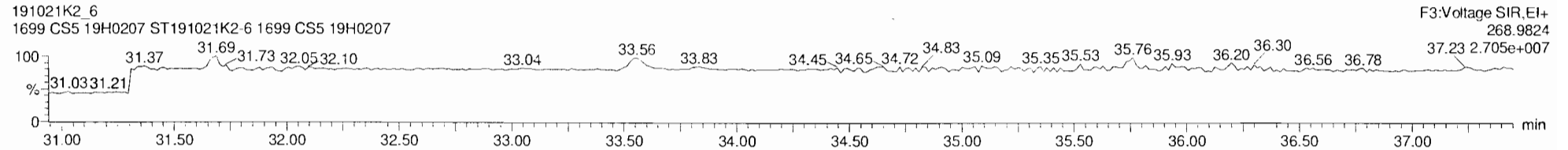
PFK1



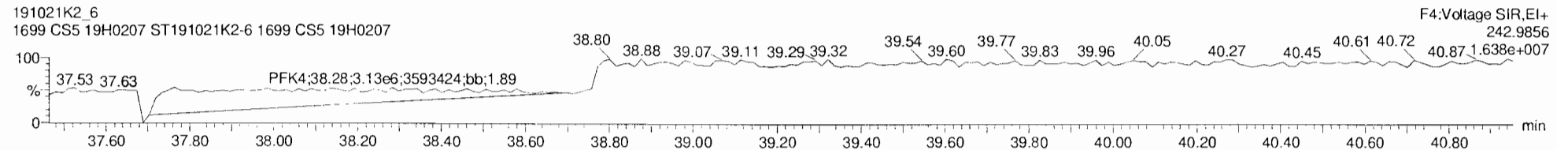
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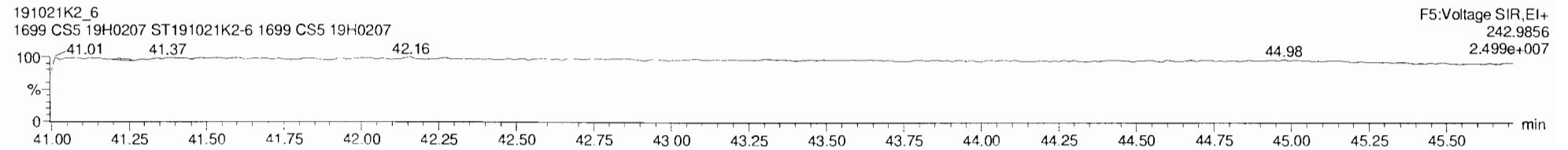
PFK3



PFK4

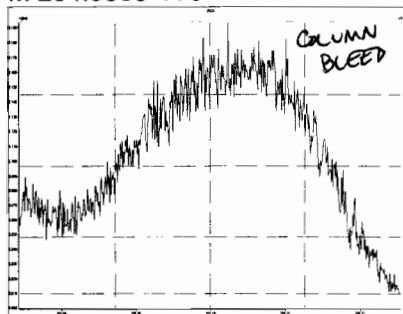


PFK5

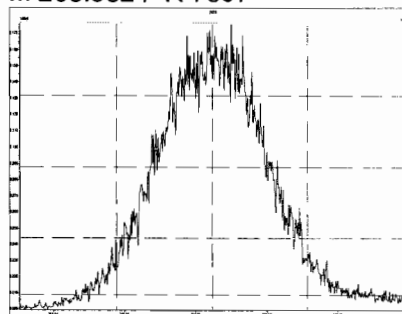


Printed: Tuesday, October 22, 2019 04:50:46 Pacific Daylight Time

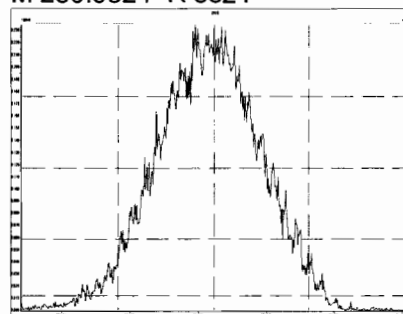
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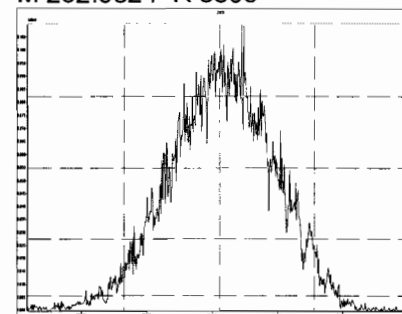
M 268.9824 R 7507



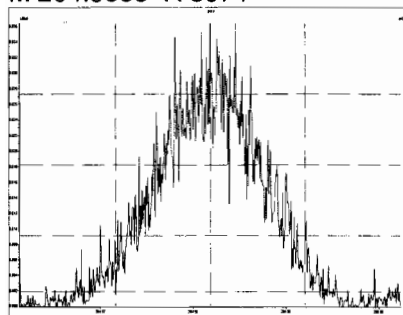
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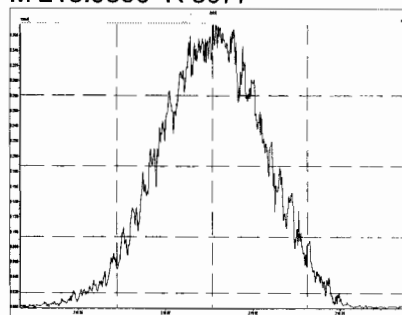
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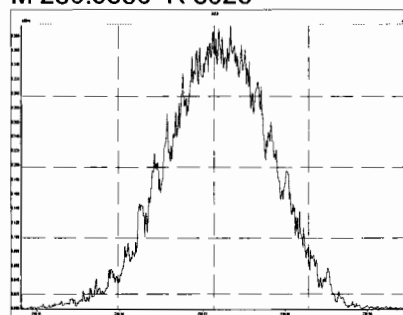
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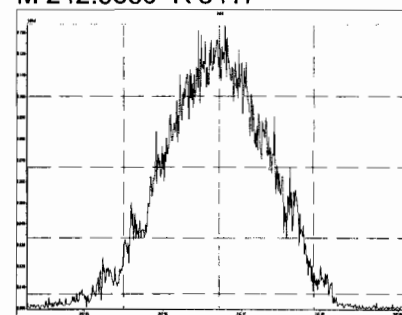
M 218.9856 R 8077



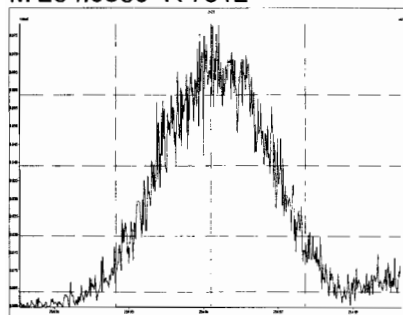
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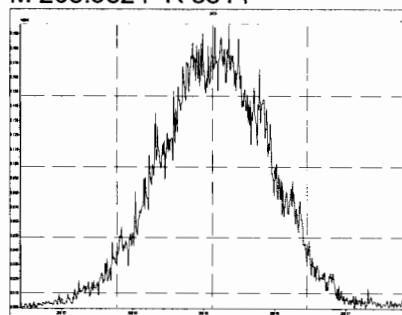
M 242.9856 R 8417



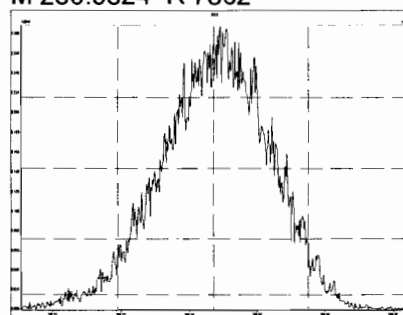
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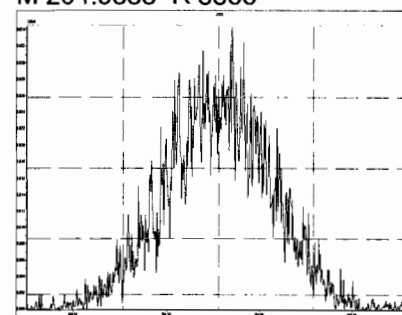
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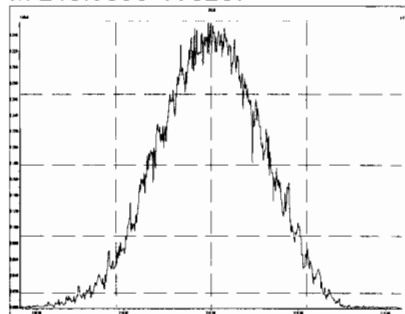
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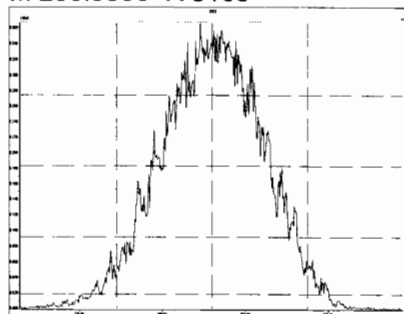
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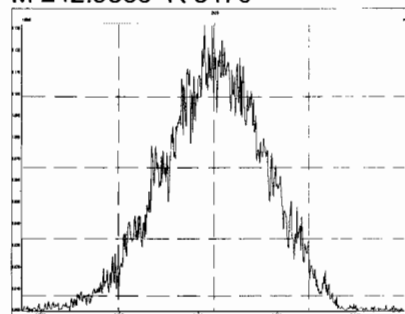
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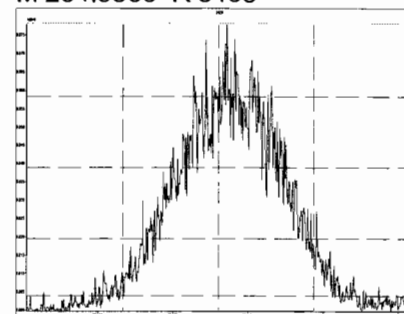
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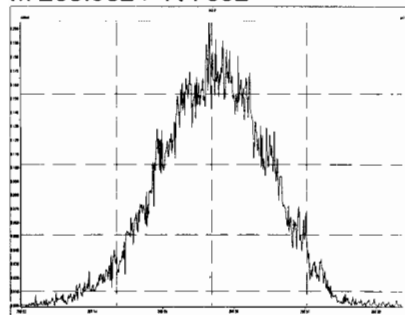
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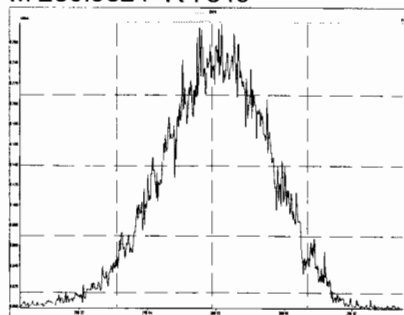
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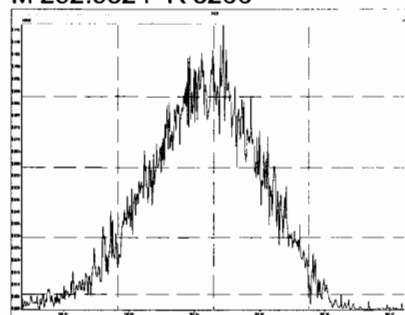
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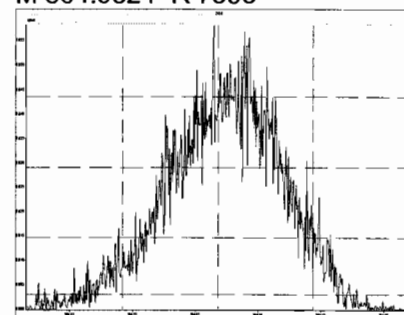
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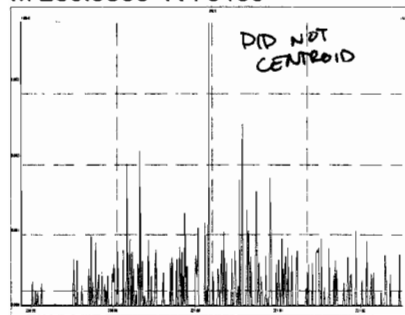
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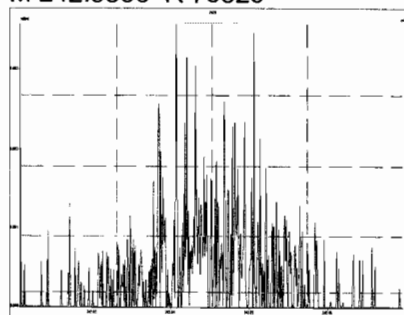
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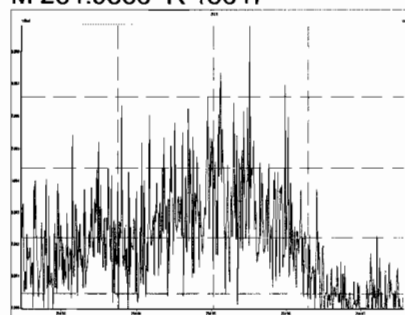
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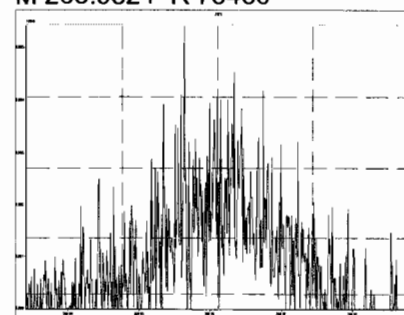
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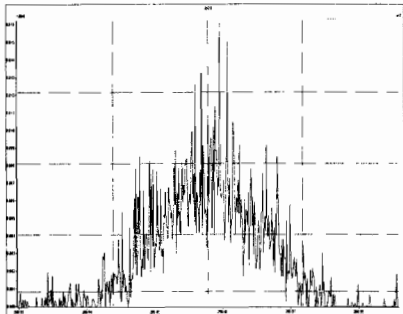
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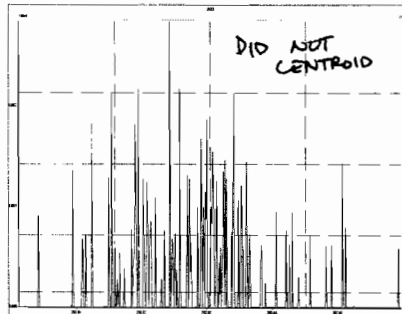
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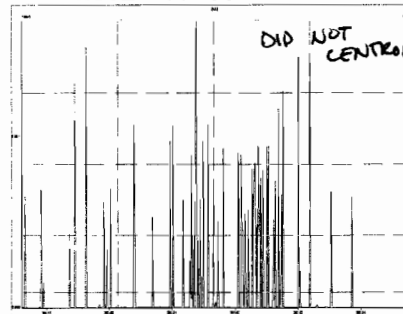
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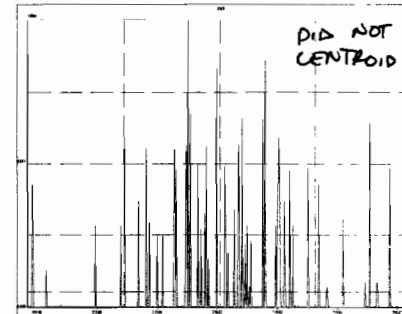
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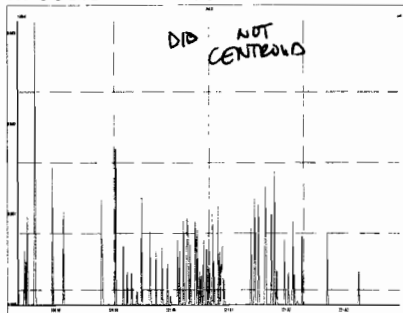
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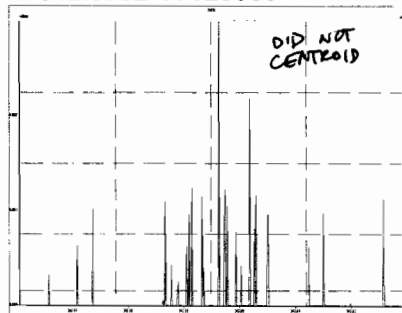
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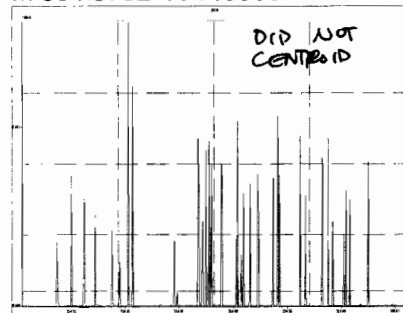
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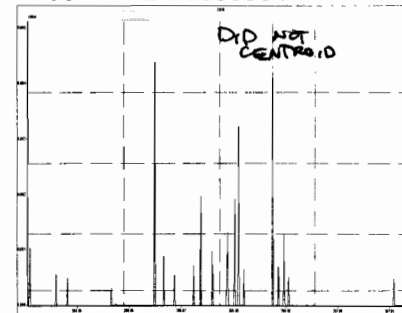
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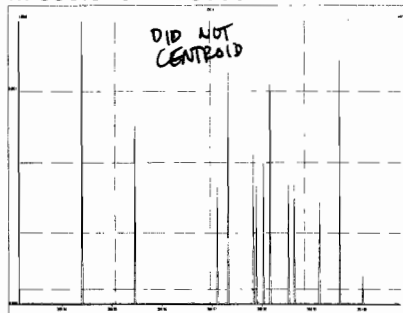
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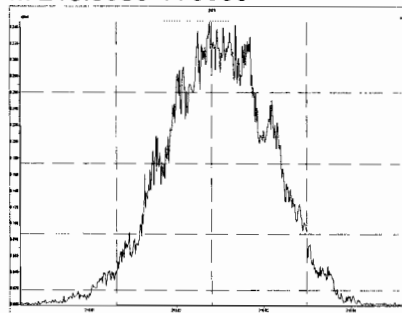
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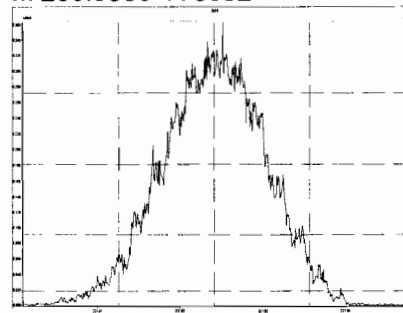
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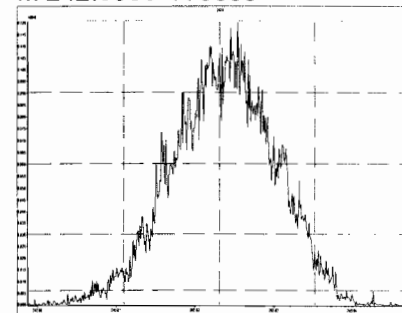
M 218.9856 R 8086



M 230.9856 R 8092

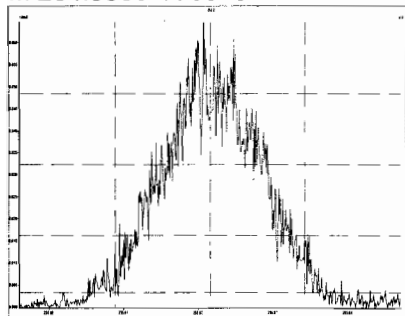


M 242.9856 R 8333

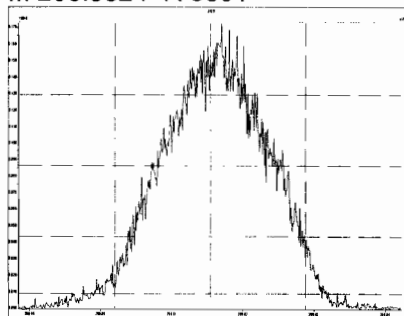


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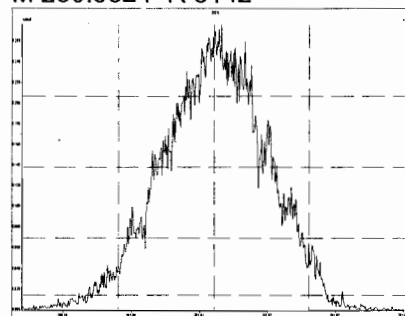
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M 268.9824 R 8501



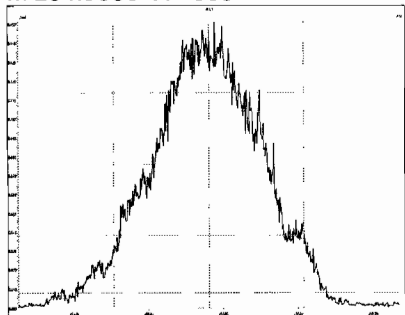
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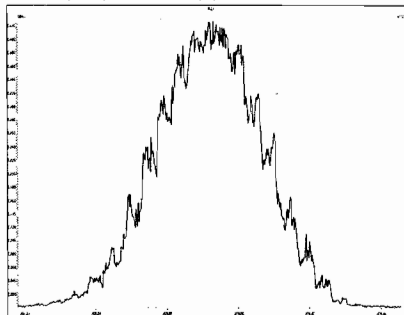
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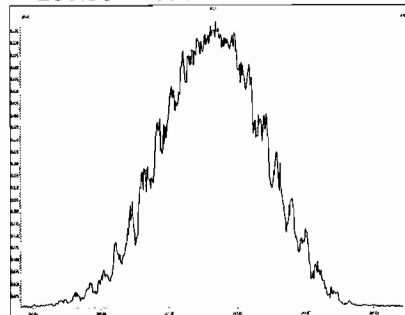
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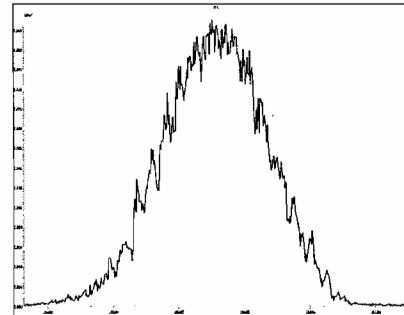
M 268.9824 R 7887



M 280.9824 R 8333



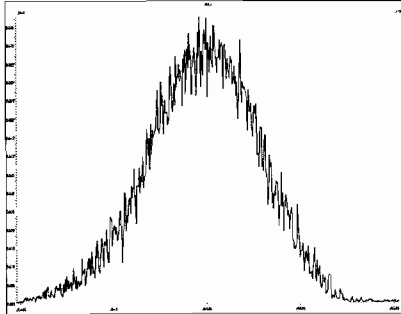
M 292.9824 R 8040



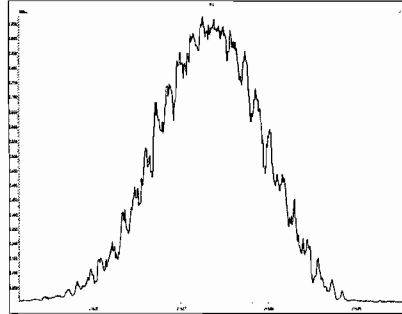
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Printed: Tuesday, October 22, 2019 09:19:29 Pacific Daylight Time

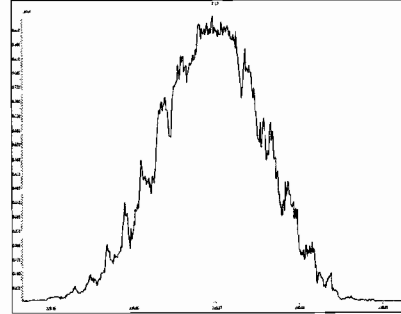
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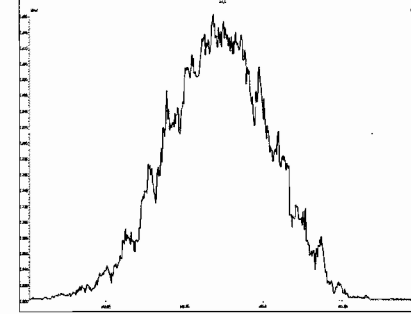
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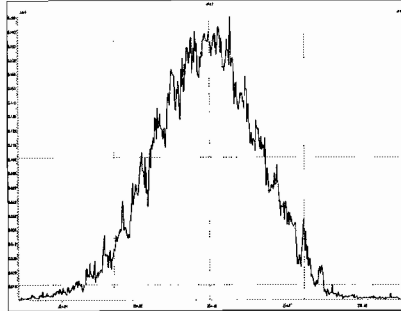
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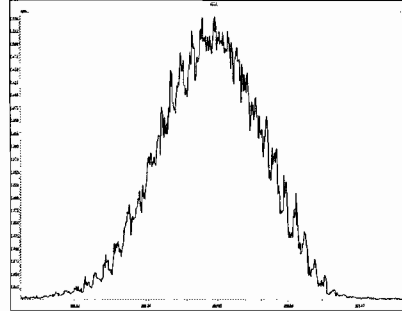
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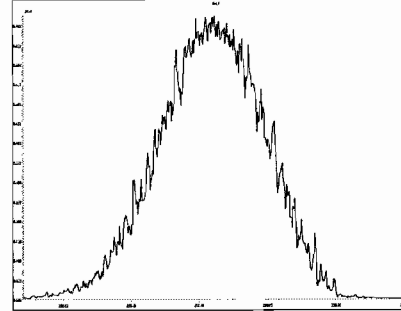
M 254.9856 R 7961



M 268.9824 R 8146



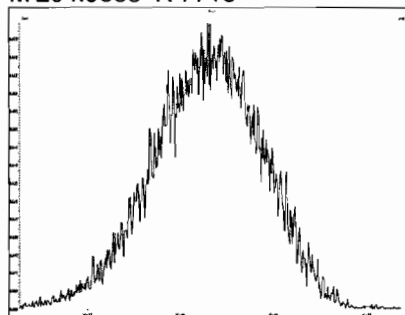
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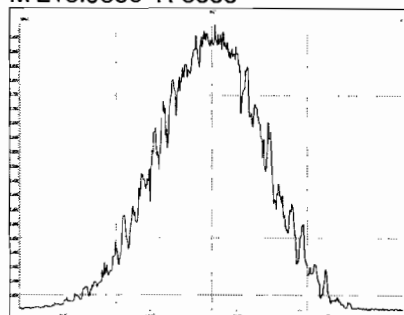
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Printed: Tuesday, October 22, 2019 09:21:25 Pacific Daylight Time

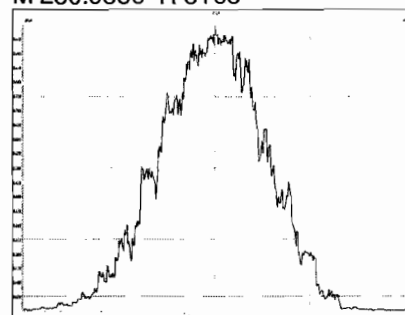
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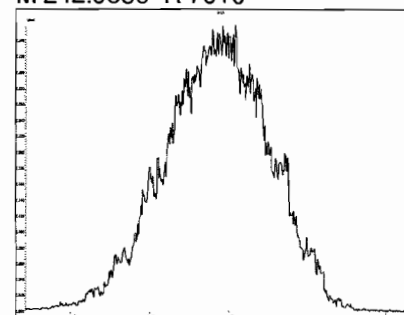
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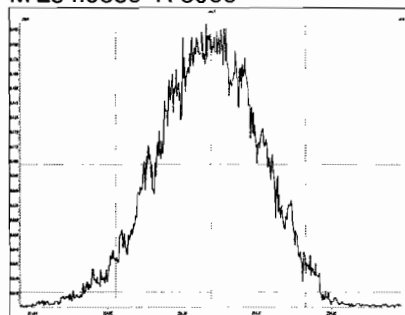
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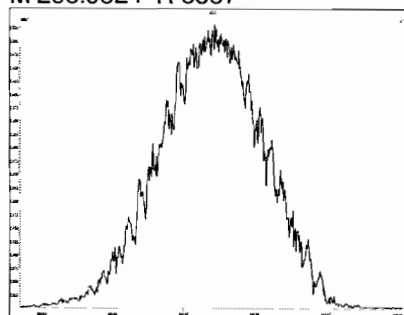
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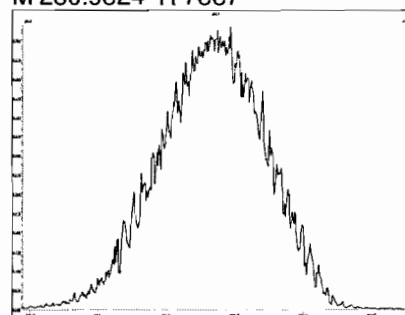
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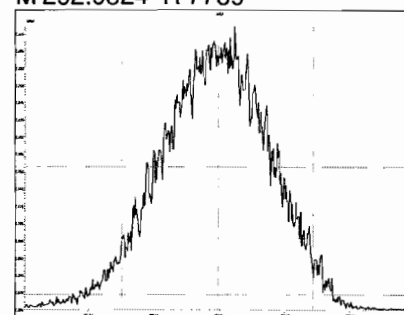
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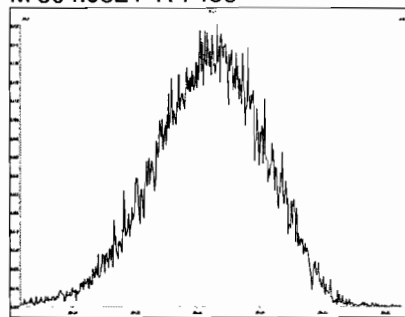
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M 292.9824 R 7739



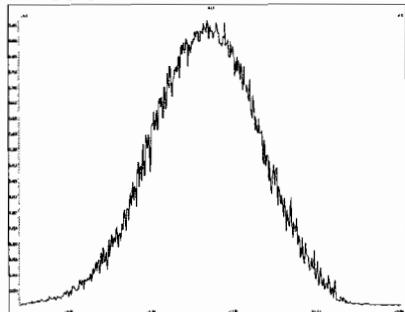
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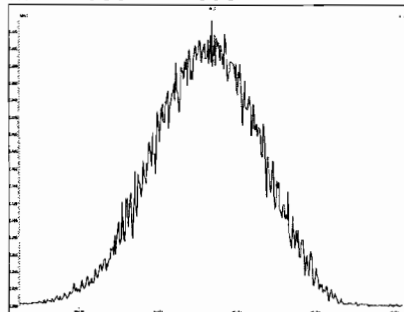
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Printed: Tuesday, October 22, 2019 09:22:50 Pacific Daylight Time

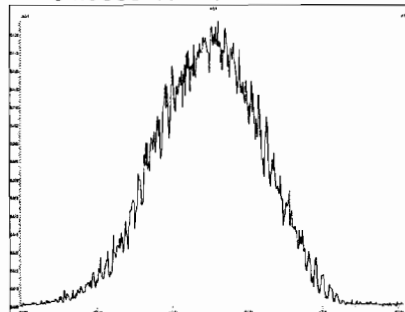
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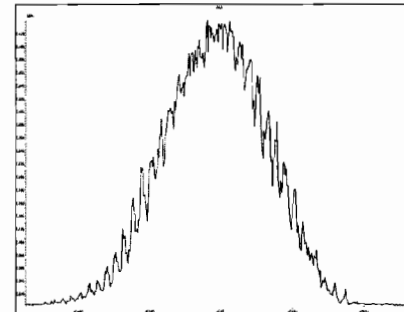
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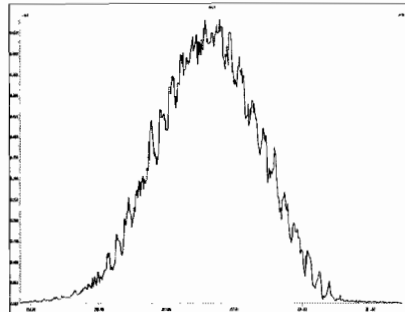
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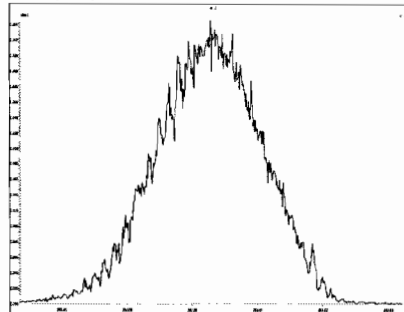
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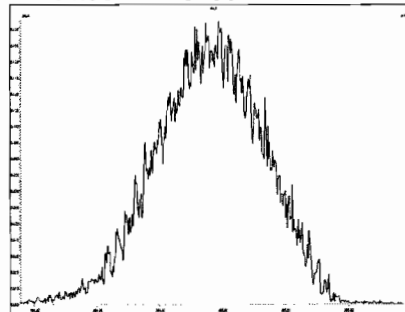
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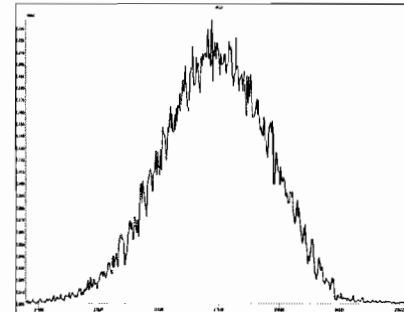
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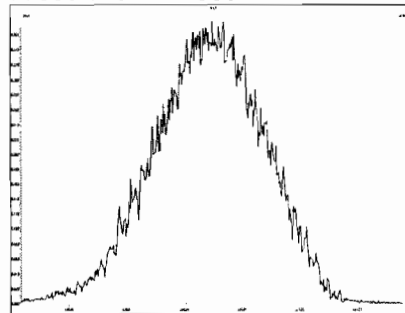
M 304.9824 R 8250



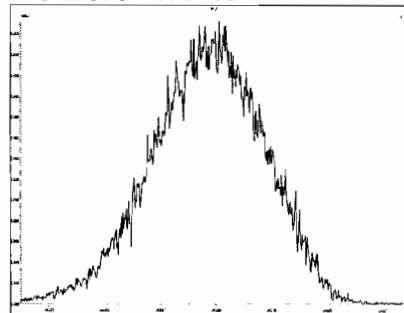
M 318.9792 R 7714



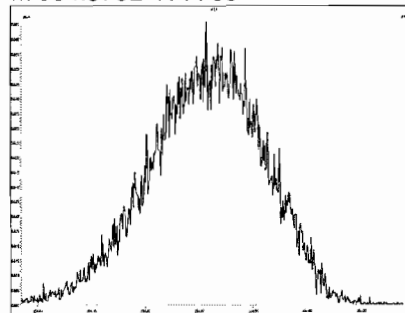
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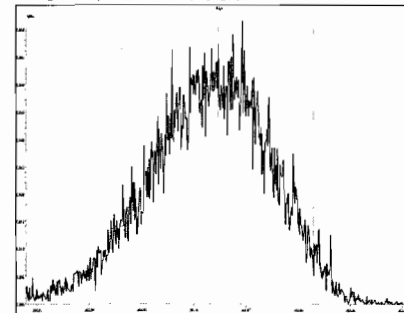
M 342.9792 R 7203



M 354.9792 R 7785



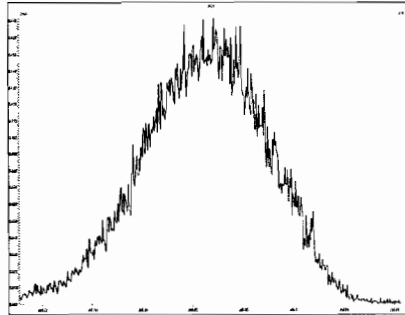
M 366.9792 R 7081



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Printed: Tuesday, October 22, 2019 09:22:50 Pacific Daylight Time

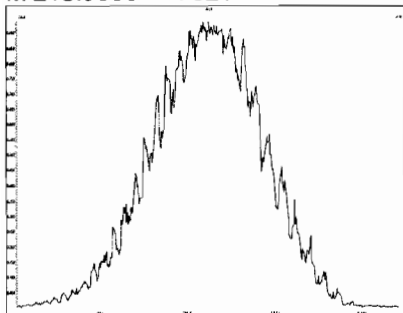
M 380.9760 R 6773



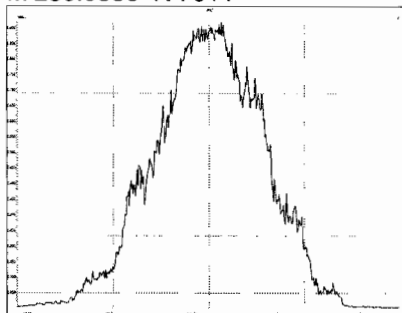
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Printed: Tuesday, October 22, 2019 09:23:53 Pacific Daylight Time

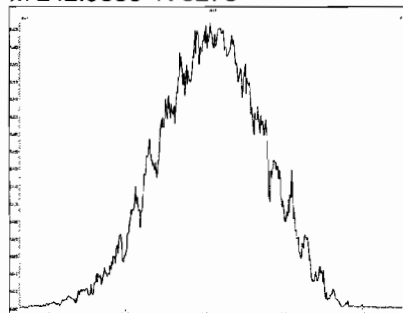
M 218.9856 R 7621



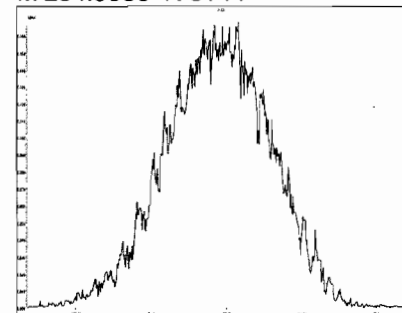
M 230.9856 R 7911



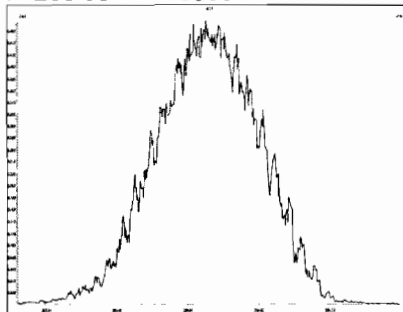
M 242.9856 R 8278



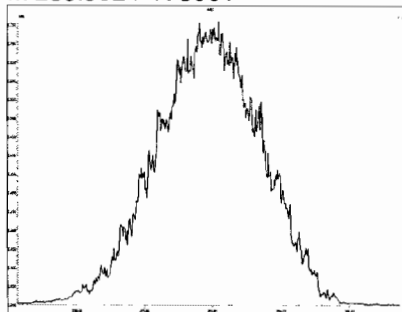
M 254.9856 R 8144



M 268.9824 R 8333



M 280.9824 R 8331



Dataset: U:\VG11.PRO\Results\191021K2\191021K2-7.qld

Last Altered: Tuesday, October 22, 2019 10:56:48 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:57:12 AM Pacific Daylight Time

GRR 10/22/19

HL 10-22-19

Method: U:\VG11.PRO\MethDB\1699rrt-9-19-19.mdb 19 Sep 2019 08:45:06

Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2 Hexachlorobenzene	2.82e6	1.57e6	1.17	NO	0.840	1.000	23.13	23.13	1.001	1.001	NO	107	107	0.00700	107
2	3 Alpha-BHC	8.92e5	5.53e5	2.14	NO	0.751	1.000	23.70	23.69	1.001	1.002	NO	107	107	0.172	107
3	4 Lindane (gamma-BHC)	6.98e5	4.33e5	2.13	NO	0.717	1.000	27.01	27.01	1.001	1.001	NO	112	112	0.258	112
4	5 Beta-BHC	6.44e5	3.47e5	2.09	NO	0.870	1.000	29.02	29.04	1.001	1.000	NO	107	107	0.217	107
5	6 Delta-BHC	6.88e5	3.92e5	2.11	NO	0.817	1.000	30.70	30.69	1.001	1.001	NO	107	107	0.192	107
6	7 Heptachlor	6.14e5	3.40e5	1.01	NO	0.868	1.000	29.16	29.17	1.001	1.001	NO	104	104	0.126	104
7	9 Aldrin	8.15e5	4.14e5	1.58	NO	0.946	1.000	31.27	31.26	1.001	1.001	NO	104	104	0.0570	104
8	10 Oxychlorane	2.06e5	1.07e5	1.60	NO	0.926	1.000	33.82	33.83	1.001	1.001	NO	104	104	0.223	104
9	11 cis-Heptachlor Epoxide	2.81e5	1.42e5	1.55	NO	0.937	1.000	34.63	34.62	1.000	1.001	NO	106	106	0.152	106
10	12 trans-Heptachlor Epoxi...	7.10e4	1.42e5	1.51	NO	0.238	1.000	35.12	35.12	1.015	1.015	NO	105	105	0.596	105
11	13 trans-Chlordane (gam...	2.43e5	1.15e5	1.53	NO	0.980	1.000	35.52	35.53	1.001	1.001	NO	108	108	0.176	108
12	14 trans-Nonachlor	2.51e5	1.32e5	1.55	NO	0.902	1.000	35.71	35.72	1.001	1.001	NO	105	105	0.167	105
13	15 cis-Chlordane	2.55e5	1.32e5	1.57	NO	0.899	1.000	36.20	36.20	1.014	1.015	NO	107	107	0.168	107
14	16 Endosulfan I (alpha)	1.57e5	7.87e4	1.59	NO	1.03	1.000	36.31	36.30	1.000	1.001	NO	96.2	96.2	0.229	96.2
15	18 2,4'-DDE	3.71e6	2.36e6	1.24	NO	0.758	1.000	36.18	36.18	1.000	1.000	NO	104	104	0.153	104
16	19 4,4'-DDE	2.86e6	1.82e6	1.22	NO	0.771	1.000	37.25	37.25	1.000	1.000	NO	102	102	0.178	102
17	20 Dieldrin	3.60e5	1.84e5	1.47	NO	0.927	1.000	37.75	37.75	1.000	1.000	NO	105	105	0.200	105
18	21 Endrin	2.32e5	1.21e5	1.50	NO	0.902	1.000	39.13	39.16	1.001	1.000	NO	106	106	0.330	106
19	22 cis-Nonachlor	2.17e5	1.15e5	1.54	NO	0.913	1.000	39.44	39.44	1.000	1.000	NO	103	103	0.308	103
20	23 Endosulfan II (beta)	6.74e4	3.33e4	1.55	NO	1.03	1.000	40.15	40.17	1.000	1.000	NO	98.3	98.3	0.898	98.3
21	24 2,4'-DDD	2.76e6	1.51e6	1.56	NO	0.890	1.000	38.37	38.39	1.000	1.000	NO	103	103	0.376	103
22	25 2,4'-DDT	1.91e6	9.71e5	1.56	NO	0.865	1.000	39.52	39.51	1.000	1.000	NO	114	114	0.641	114
23	26 4,4'-DDD	2.54e6	1.29e6	1.56	NO	0.971	1.000	39.64	39.63	1.000	1.000	NO	101	101	0.440	101
24	27 4,4'-DDT	1.72e6	8.60e5	1.57	NO	0.974	1.000	40.71	40.70	1.000	1.000	NO	103	103	0.640	103
25	28 Endosulfan Sulfate	1.06e5	5.63e4	1.56	NO	0.896	1.000	41.88	41.89	1.000	1.000	NO	105	105	0.565	105
26	29 4,4'-Methoxychlor	1.98e6	8.75e6	6.05	NO	1.10	1.000	43.76	43.76	1.000	1.000	NO	102	102	0.0856	102
27	30 Mirex	8.79e5	4.90e5	1.42	NO	0.870	1.000	44.35	44.35	1.000	1.000	NO	103	103	0.187	103
28	31 Endrin Aldehyde	1.51e5	7.42e5	0.62	NO	0.962	1.000	41.30	41.30	1.000	1.000	NO	105	105	0.486	105
29	32 Endrin Ketone	1.22e5	5.71e5	0.61	NO	0.867	1.000	44.46	44.49	1.001	1.000	NO	124	124	0.797	124
30	34 13C6-Hexachlorobenz...	1.57e6	2.24e6	1.26	NO	0.710	1.000	23.11	23.11	0.873	0.873	NO	49.2	98.4	0.00739	
31	35 13C6-Alpha-BHC	5.53e5	2.24e6	0.78	NO	0.255	1.000	23.65	23.66	0.893	0.893	NO	48.3	96.5	0.284	
32	36 13C6-Lindane (gamma)	4.33e5	2.24e6	0.79	NO	0.216	1.000	26.98	26.98	1.019	1.019	NO	44.8	89.6	0.336	

75-125%

Dataset: U:\VG11.PRO\Results\191021K2\191021K2-7.qld

Last Altered: Tuesday, October 22, 2019 10:56:48 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:57:12 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

	#	Name	Resp	IS Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	RRT Fail	Conc.	%Rec	DL	EMPC
33	37	13C6-Beta-BHC	3.47e5	2.24e6	0.79	NO	0.162	1.000	29.03	29.01	1.095	1.096	NO	47.7	95.5	0.446	
34	38	13C6-Delta-BHC	3.92e5	2.24e6	0.78	NO	0.185	1.000	30.70	30.68	1.158	1.159	NO	47.3	94.6	0.392	
35	39	13C10-Heptachlor	3.40e5	2.24e6	1.27	NO	0.178	1.000	29.12	29.14	1.100	1.099	NO	42.7	85.4	0.0475	
36	40	13C12-Aldrin	4.14e5	2.24e6	1.66	NO	0.186	1.000	31.26	31.24	1.179	1.180	NO	49.6	99.1	0.119	
37	41	13C10-Oxychlordan	1.07e5	2.24e6	1.56	NO	0.0499	1.000	33.84	33.80	1.276	1.278	NO	47.8	95.7	0.445	
38	42	13C10-cis-Heptachlor ...	1.42e5	2.24e6	1.58	NO	0.0657	1.000	34.63	34.61	1.307	1.308	NO	48.0	96.0	0.338	
39	43	13C10-trans-Chlordan...	1.15e5	2.24e6	1.70	NO	0.0525	1.000	35.54	35.50	1.340	1.342	NO	48.6	97.3	0.422	
40	44	13C10-trans-Nonachlor	1.32e5	2.24e6	1.61	NO	0.0587	1.000	35.73	35.69	1.347	1.349	NO	50.3	101	0.378	
41	45	13C9-Endosulfan I (al...	7.87e4	2.24e6	1.60	NO	0.0343	1.000	36.33	36.28	1.370	1.372	NO	51.2	102	0.647	
42	46	13C12-2,4'-DDE	2.36e6	2.24e6	1.54	NO	1.01	1.000	36.17	36.17	0.996	0.996	NO	52.0	104	0.211	
43	47	13C12-4,4'-DDE	1.82e6	2.24e6	1.57	NO	0.760	1.000	37.23	37.23	1.025	1.025	NO	53.4	107	0.281	
44	48	13C12-Dieldrin	1.84e5	2.24e6	1.57	NO	0.0797	1.000	37.73	37.73	1.039	1.039	NO	51.6	103	0.357	
45	49	13C12-Endrin	1.21e5	2.24e6	1.58	NO	0.0599	1.000	39.13	39.13	1.078	1.078	NO	45.1	90.3	0.475	
46	50	13C10-cis-Nonachlor	1.15e5	2.24e6	1.62	NO	0.0486	1.000	39.41	39.43	1.086	1.085	NO	52.8	106	0.585	
47	51	13C9-Endosulfan II	3.33e4	2.24e6	1.53	NO	0.0145	1.000	40.15	40.15	1.106	1.106	NO	51.1	102	1.96	
48	52	13C12-2,4'-DDD	1.51e6	2.24e6	1.58	NO	0.653	1.000	38.42	38.37	1.449	1.451	NO	51.6	103	0.145	
49	53	13C12-2,4'-DDT	9.71e5	2.24e6	1.58	NO	0.443	1.000	39.54	39.50	1.491	1.493	NO	48.8	97.7	0.214	
50	54	13C12-4,4'-DDD	1.29e6	2.24e6	1.58	NO	0.550	1.000	39.67	39.62	1.496	1.498	NO	52.4	105	0.173	
51	55	13C12-4,4'-DDT	8.60e5	2.24e6	1.61	NO	0.354	1.000	40.74	40.69	1.536	1.538	NO	54.1	108	0.268	
52	56	13C9-Endosulfan Sulf...	5.63e4	2.24e6	1.61	NO	0.0239	1.000	41.86	41.88	1.153	1.153	NO	52.4	105	1.58	
53	57	13C12-Methoxychlor	8.75e6	2.24e6	21.77	NO	0.362	1.000	43.72	43.75	1.205	1.204	NO	540	108	0.260	
54	58	13C10-Mirex	4.90e5	2.24e6	1.55	NO	0.184	1.000	44.32	44.33	1.221	1.220	NO	59.6	119	0.207	
55	59	13C12-Endrin Aldehyde	7.42e5	2.24e6	0.41	NO	0.0307	1.000	41.26	41.28	1.137	1.136	NO	538	108	1.63	
56	60	13C12-Endrin Ketone	5.71e5	2.24e6	0.43	NO	0.0240	1.000	44.44	44.46	1.224	1.224	NO	530	106	2.09	
57	62	13C-PCB-15	2.24e6	2.24e6	1.48	NO	1.00	1.000	26.42	26.48	1.000	1.000	NO	50.0	100	0.0431	

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Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

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Calibration: U:\VG11.PRO\CurveDB\db_50_1699vg11-10-21-19-LIMITED.cdb 22 Oct 2019 10:40:47

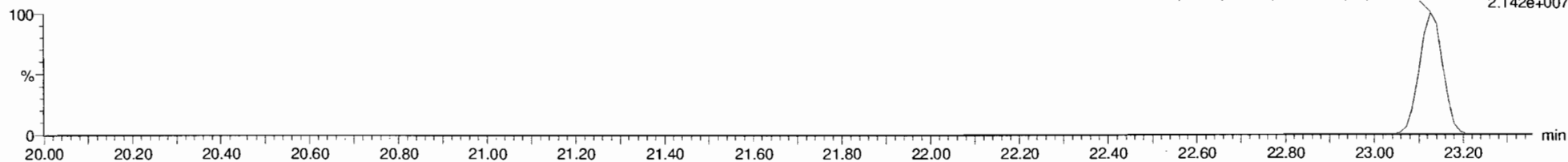
Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Hexachlorobenzene

191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

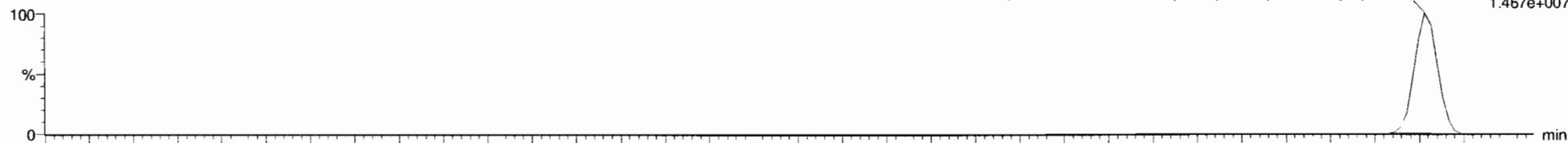


191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

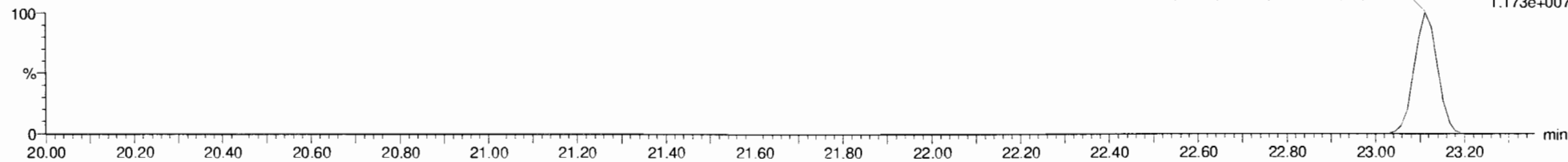


13C6-Hexachlorobenzene

191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208



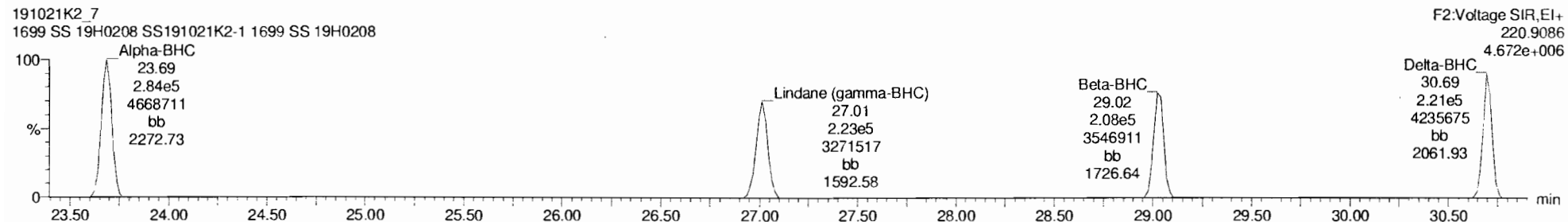
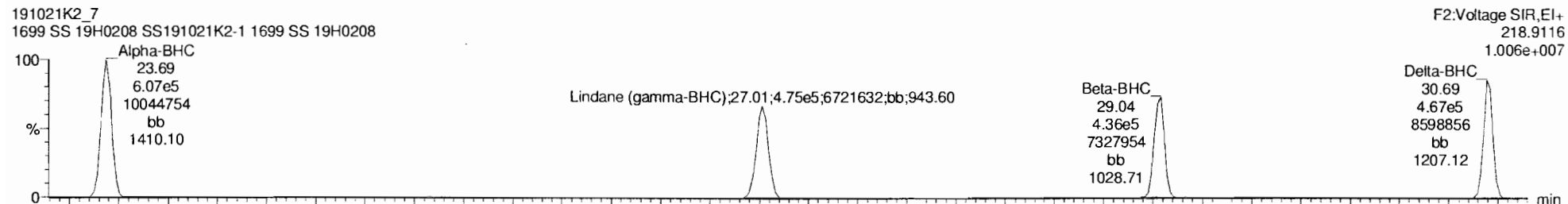
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

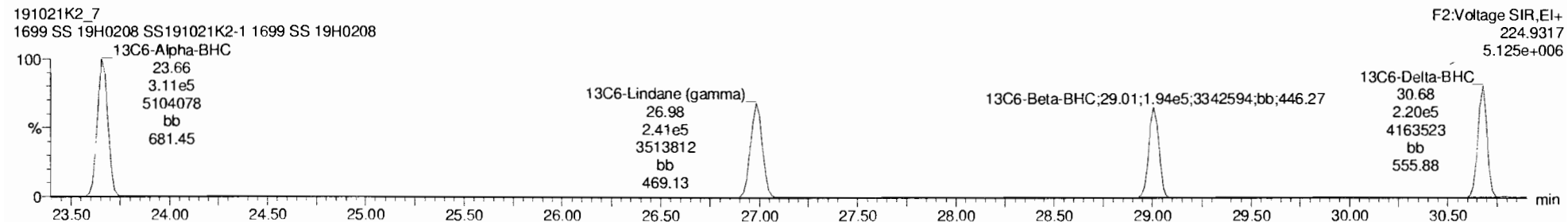
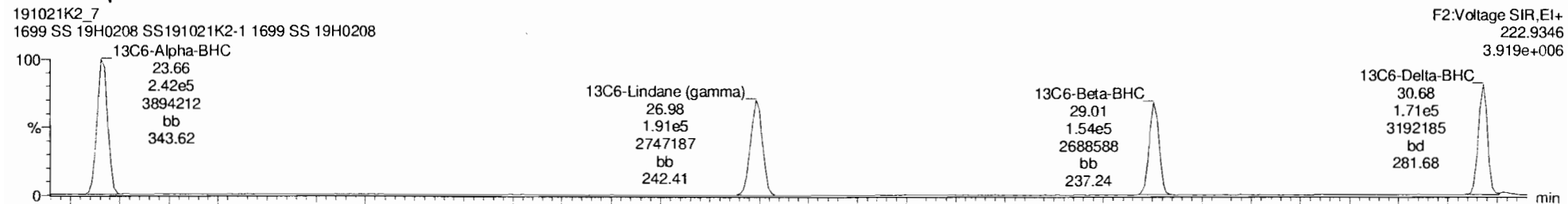
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

BHC Totals



BHC-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

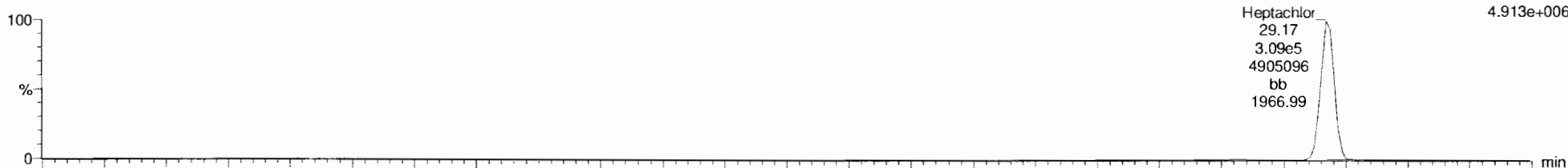
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Heptachlor

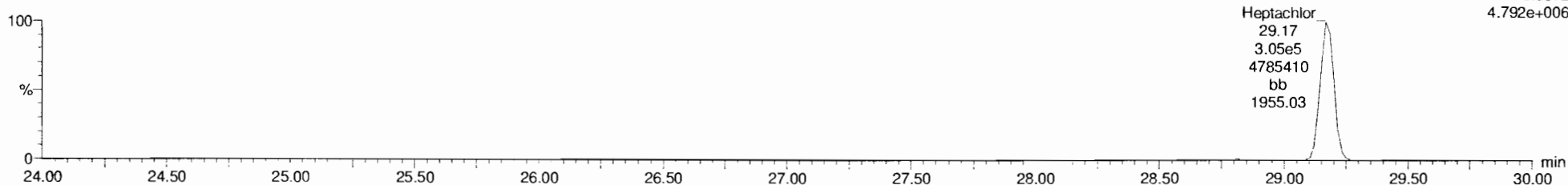
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
271.8102
4.913e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

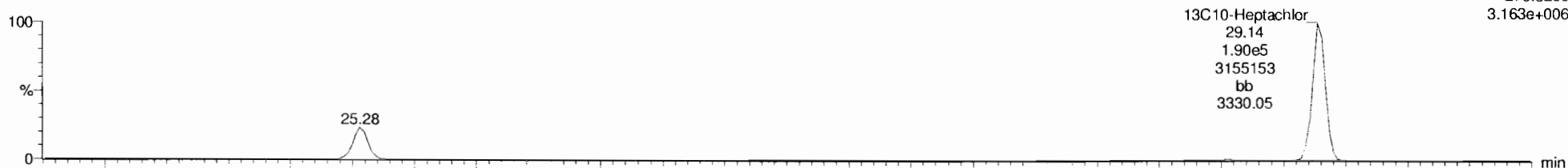
F2:Voltage SIR,EI+
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4.792e+006



13C10-Heptachlor

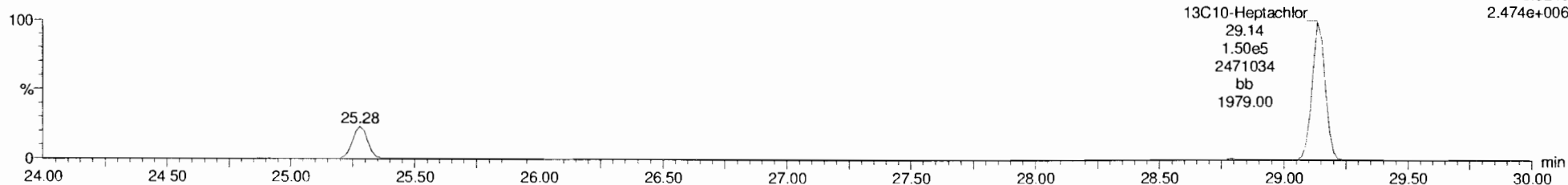
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
276.8269
3.163e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
278.8240
2.474e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

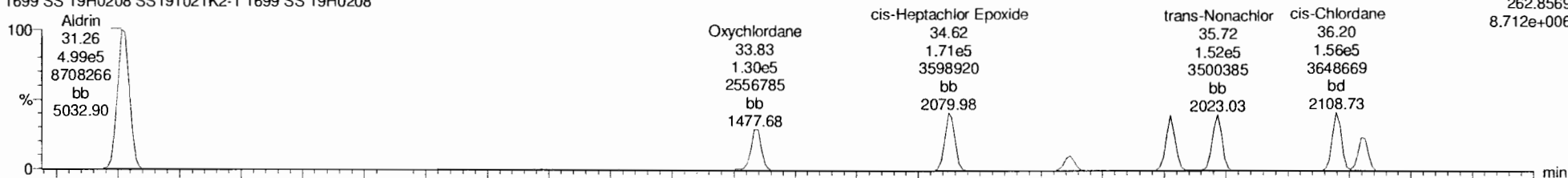
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Aldrin-EI

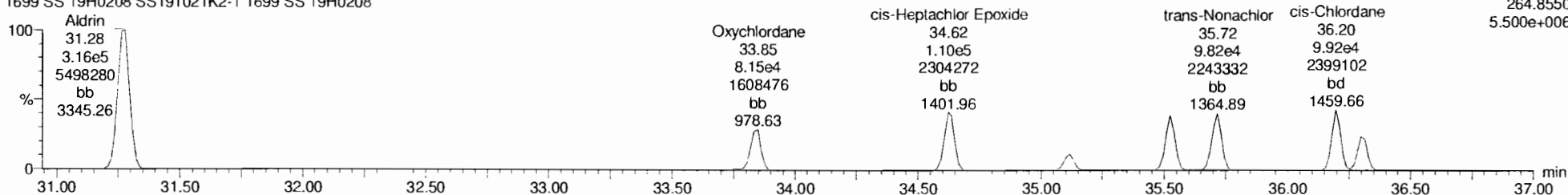
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
262.8569
8.712e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

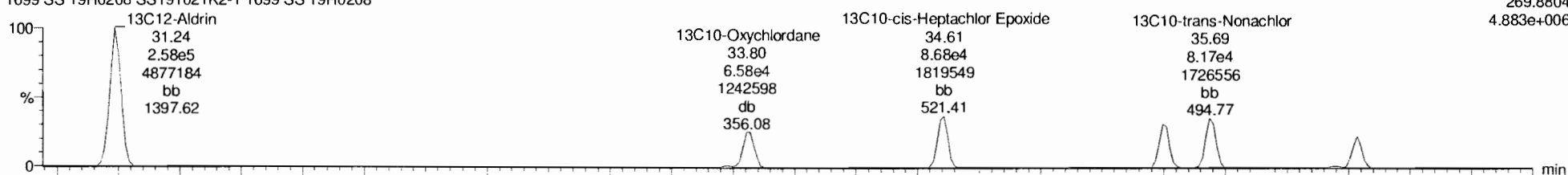
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5.500e+006



Aldrin-EI-isotopes

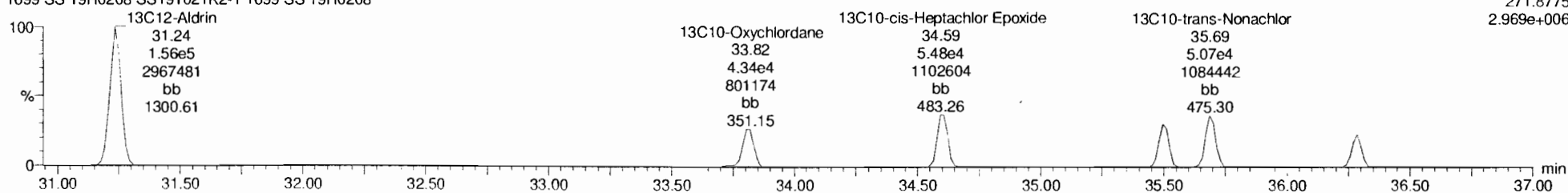
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1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

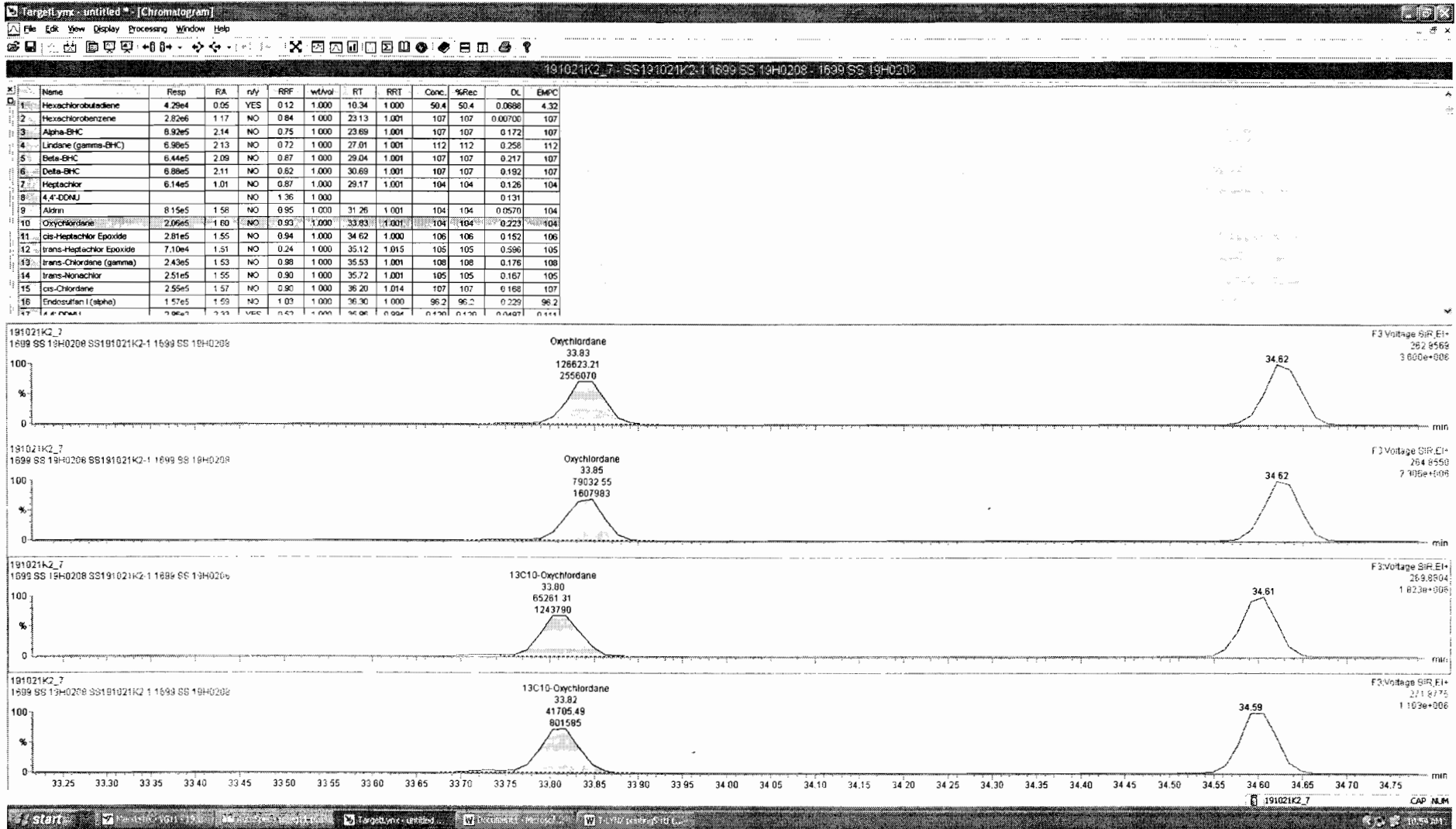
F3:Voltage SIR,EI+
269.8804
4.883e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
271.8775
2.969e+006





Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

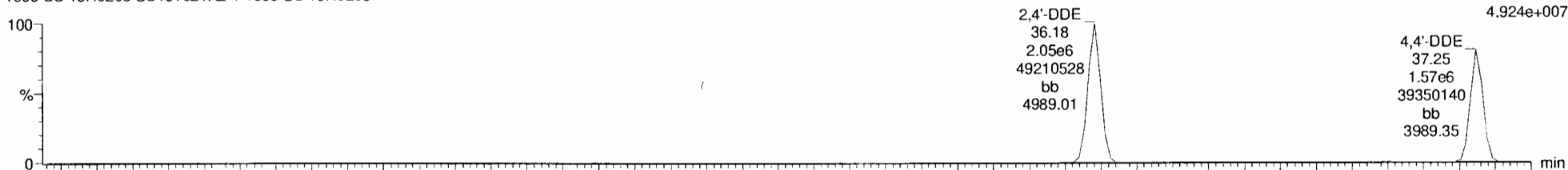
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

DDMU-DDE

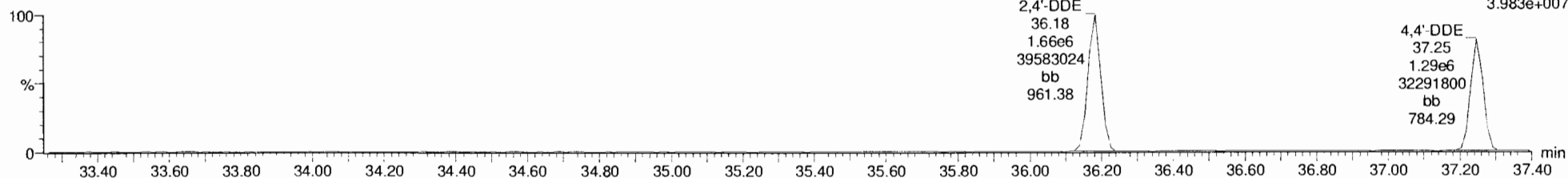
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
246.0003
4.924e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
247.9974
3.983e+007



DDE-isotopes

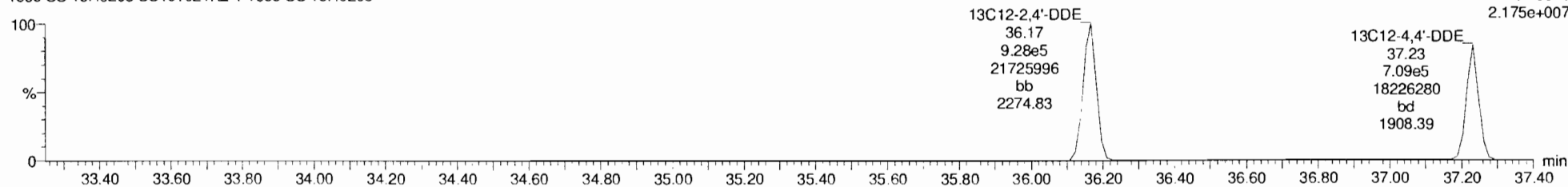
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
258.0406
3.355e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
260.0376
2.175e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

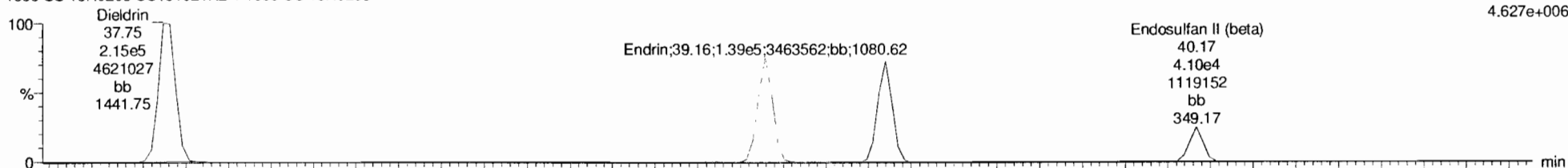
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Dieldrin-EII

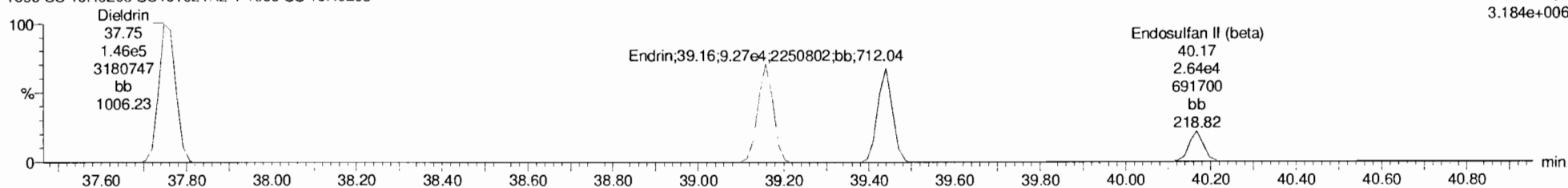
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
262.8569
4.627e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

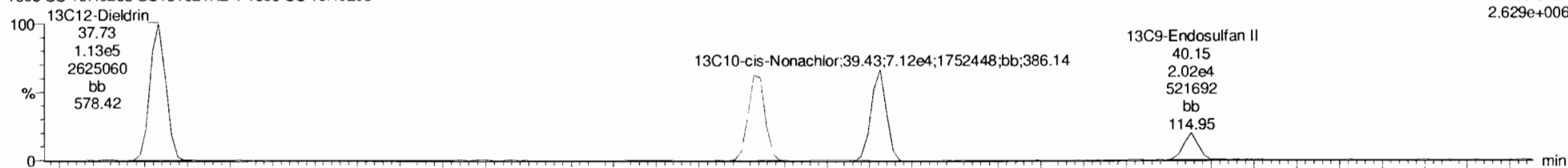
F4:Voltage SIR,EI+
264.8550
3.184e+006



Dieldrin-EII-isotopes

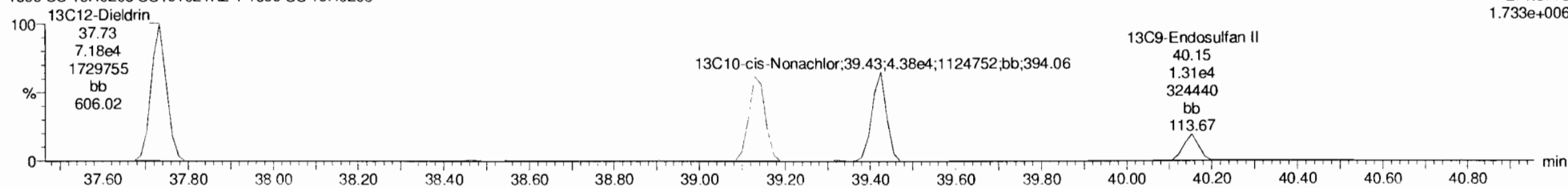
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
269.8804
2.629e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
271.8775
1.733e+006



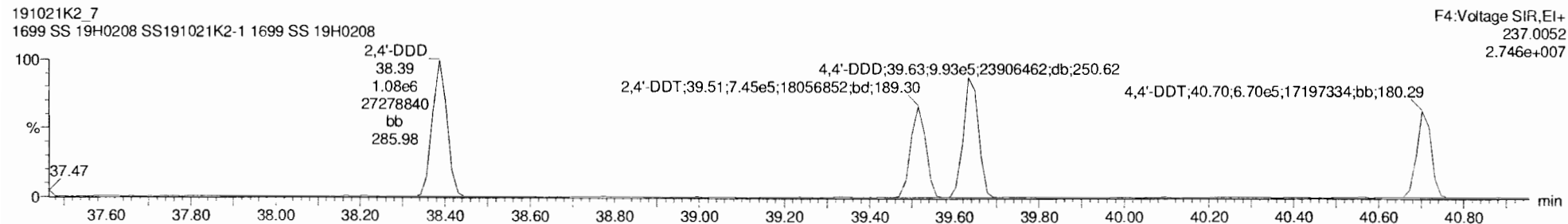
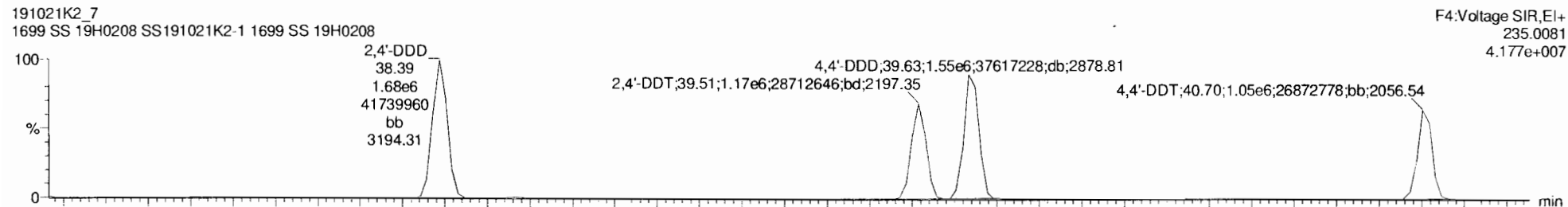
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Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

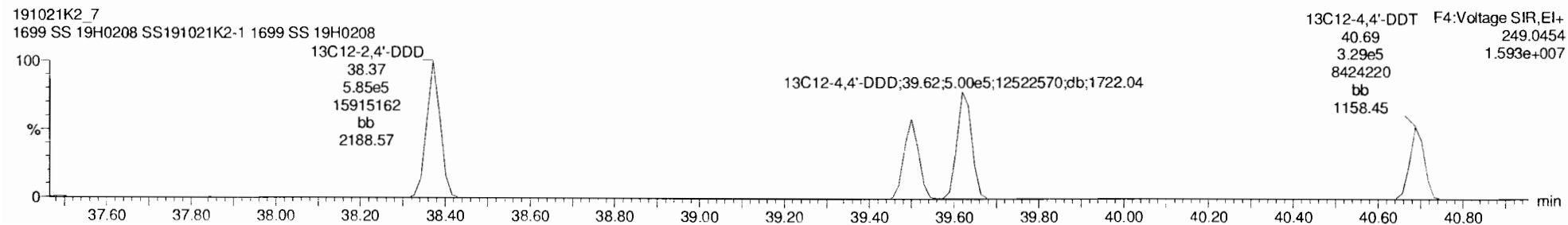
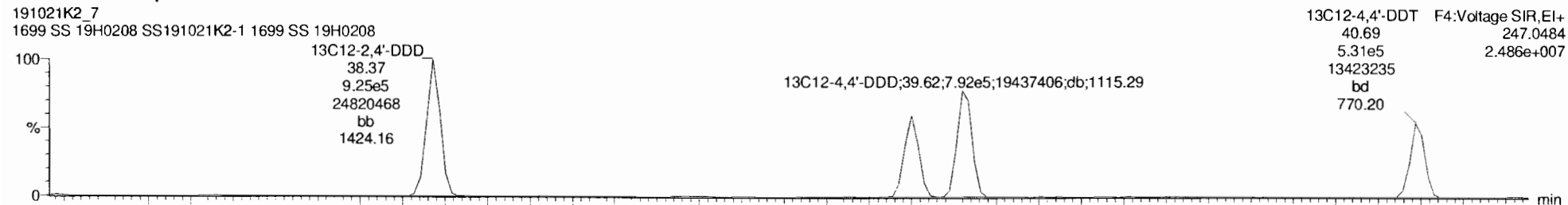
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Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

DDD-DDT



DDD-DDT-isotopes



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

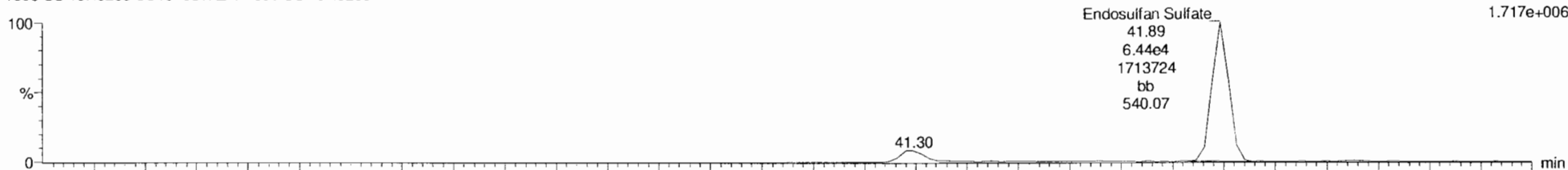
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Endosulfan Sulfate

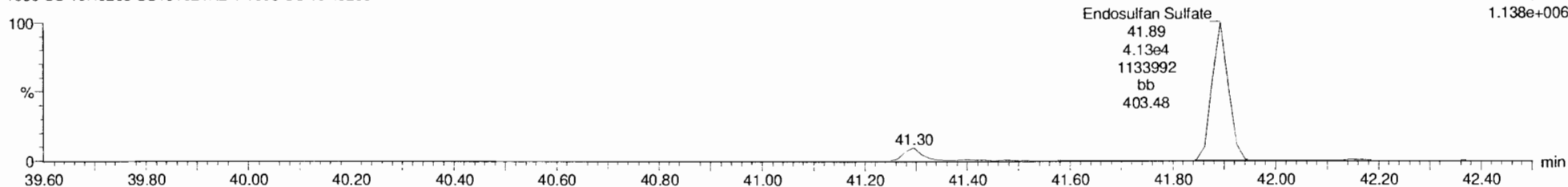
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
262.8569
1.717e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

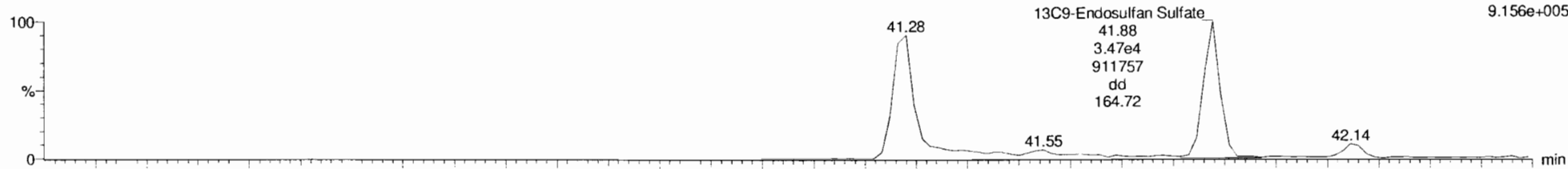
F5:Voltage SIR,EI+
264.8540
1.138e+006



13C9-Endosulfan Sulfate

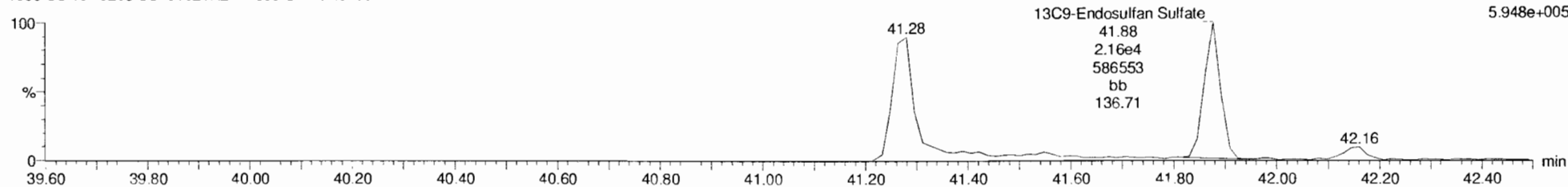
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
269.8804
9.156e+005



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
271.8775
5.948e+005



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

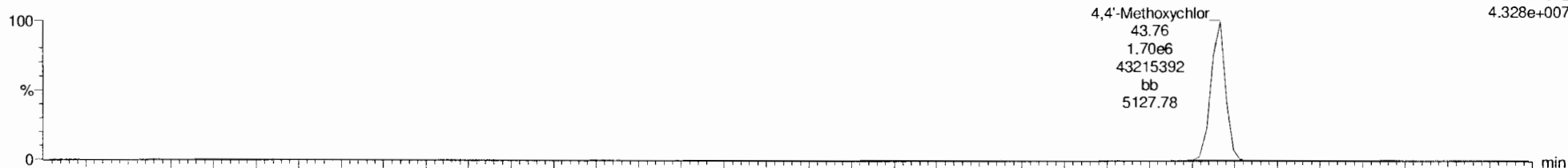
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Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

4,4'-Methoxychlor

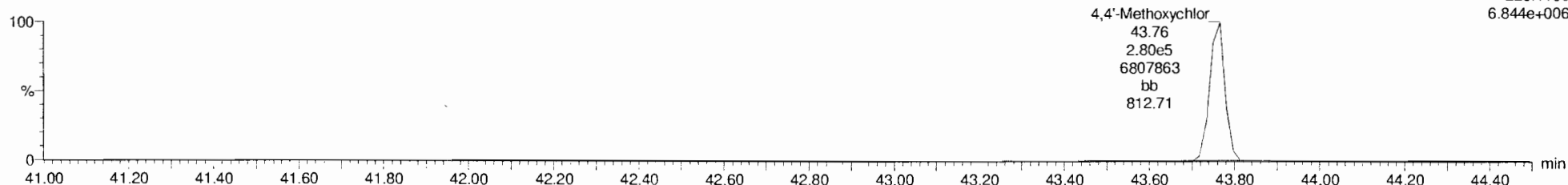
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
227.1072
4.328e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

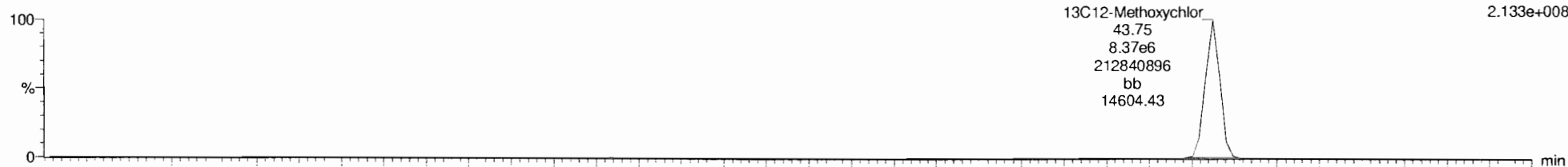
F5:Voltage SIR,EI+
228.1106
6.844e+006



13C12-Methoxychlor

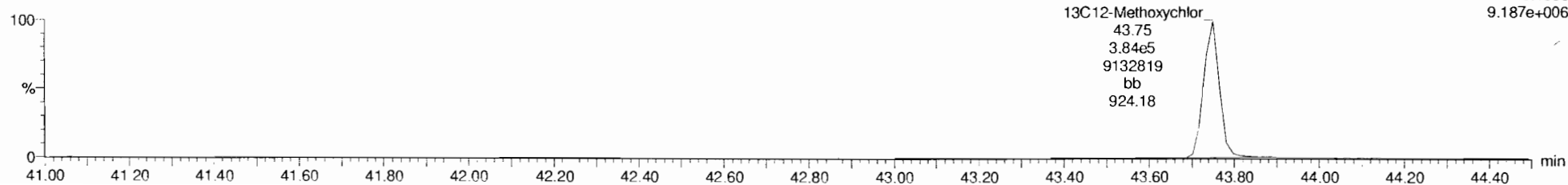
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
239.1475
2.133e+008



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
240.1508
9.187e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

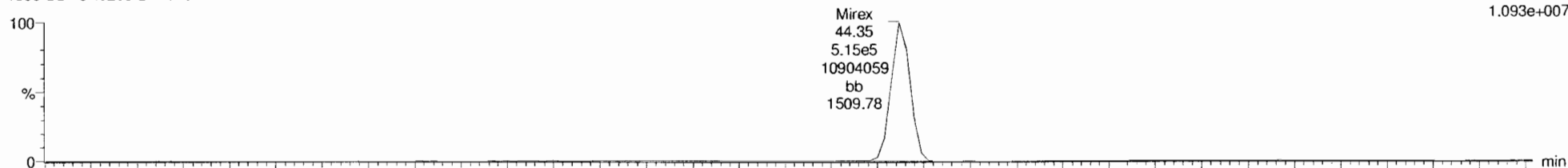
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

Mirex

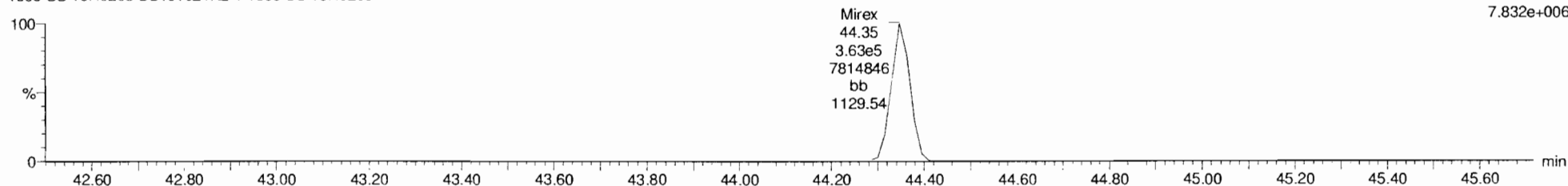
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
236.8413
1.093e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

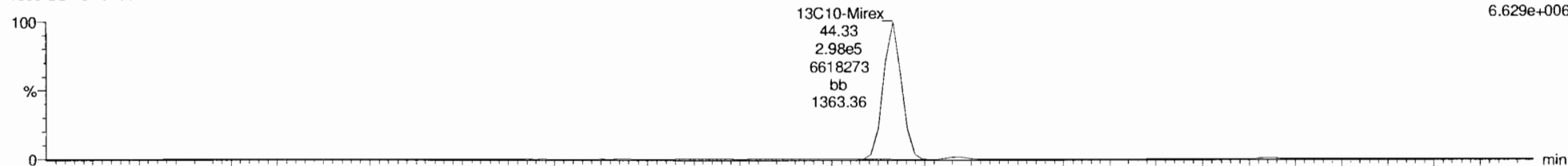
F5:Voltage SIR,EI+
238.8384
7.832e+006



13C10-Mirex

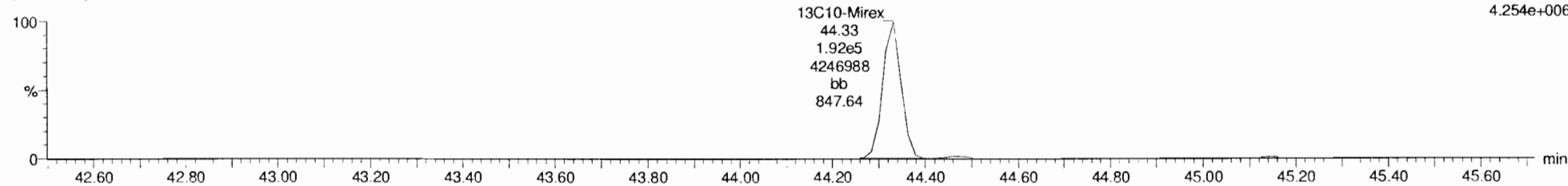
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
241.8581
6.629e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
243.8551
4.254e+006



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

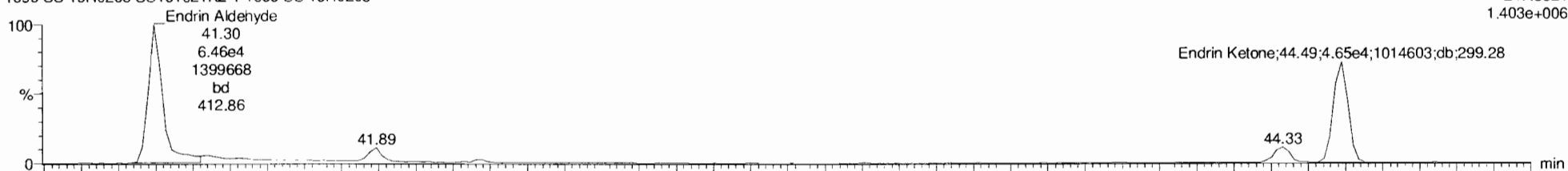
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

EA-EK

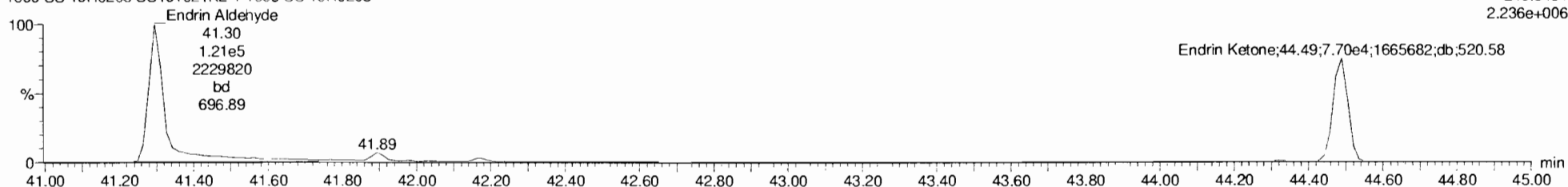
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
247.8521
1.403e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

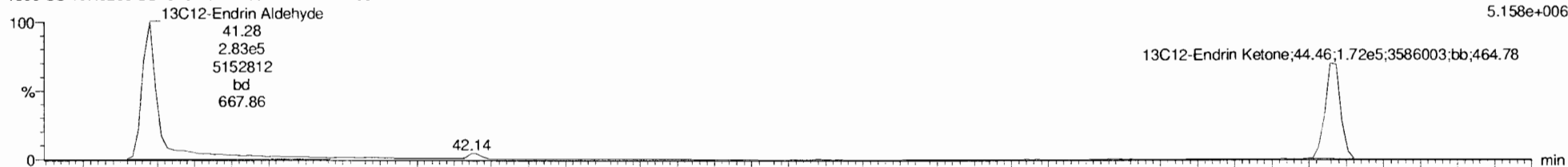
F5:Voltage SIR,EI+
249.8491
2.236e+006



EA-EK-isotopes

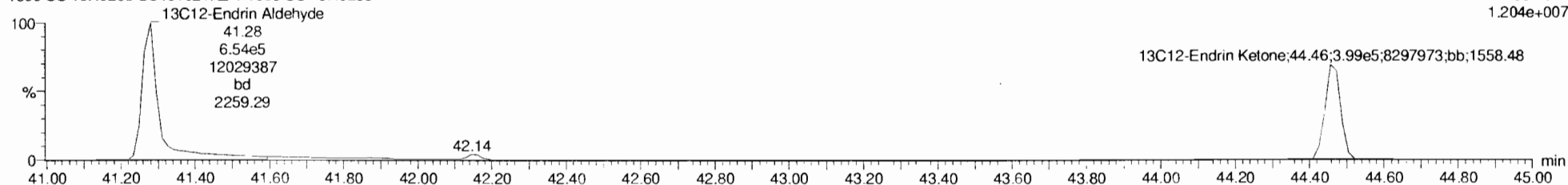
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

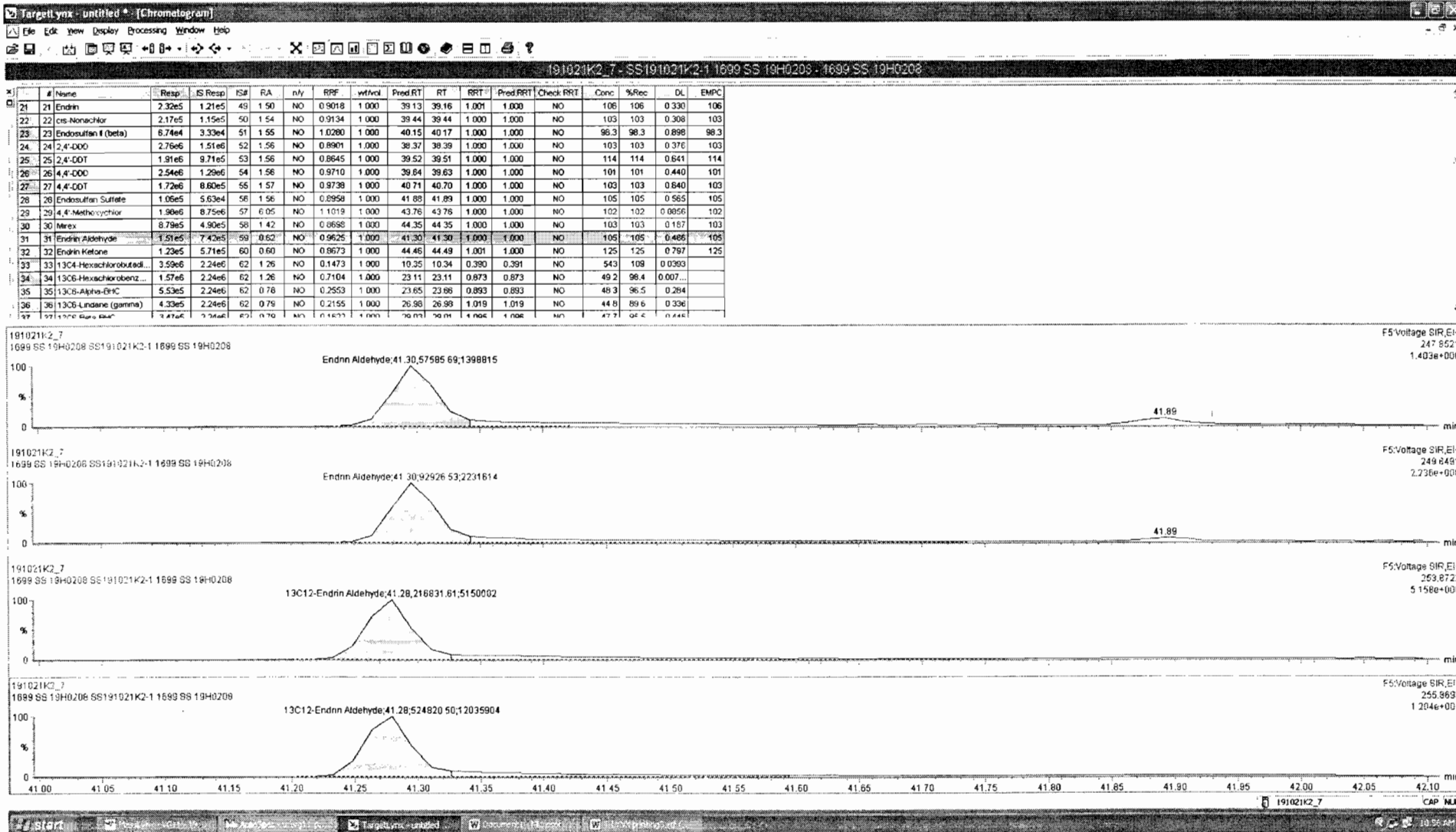
F5:Voltage SIR,EI+
253.8722
5.158e+006



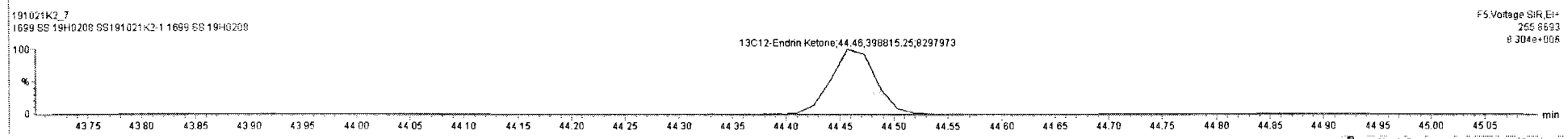
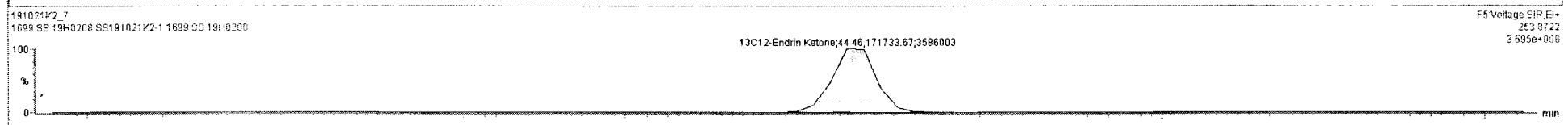
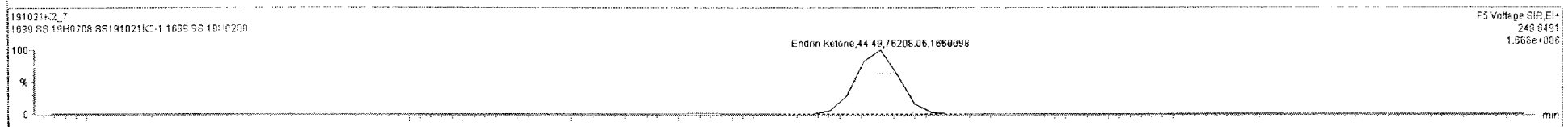
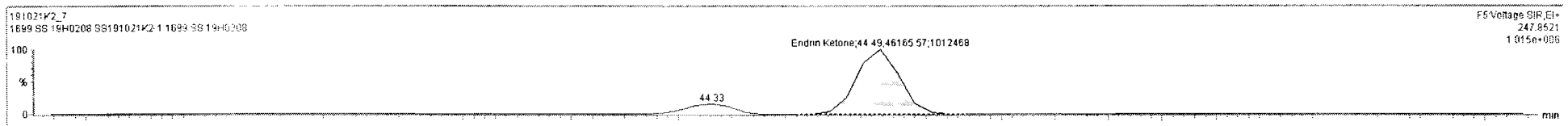
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F5:Voltage SIR,EI+
255.8693
1.204e+007





#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/val	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
21	21 Endrin	2.32e5	1.21e5	49	1.50	NO	0.9018	1.000	39.13	39.16	1.001	1.000	NO	106	106	0.330	106
22	22 cis-Nonachlor	2.17e5	1.15e5	50	1.54	NO	0.9134	1.000	39.44	39.44	1.000	1.000	NO	103	103	0.308	103
23	23 Endosulfan II (beta)	6.74e4	3.33e4	51	1.55	NO	1.0280	1.000	40.15	40.17	1.000	1.000	NO	98.3	98.3	0.898	98.3
24	24 2,4'-DDD	2.76e6	1.51e6	52	1.56	NO	0.8901	1.000	38.37	38.39	1.000	1.000	NO	103	103	0.376	103
25	25 2,4'-DDT	1.91e6	9.71e5	53	1.56	NO	0.8645	1.000	39.52	39.51	1.000	1.000	NO	114	114	0.641	114
26	26 4,4'-DDD	2.54e6	1.29e6	54	1.56	NO	0.9710	1.000	39.64	39.63	1.000	1.000	NO	101	101	0.440	101
27	27 4,4'-DDT	1.72e6	8.60e5	55	1.57	NO	0.9738	1.000	40.71	40.70	1.000	1.000	NO	103	103	0.640	103
28	28 Endosulfan Sulfate	1.06e5	5.63e4	56	1.56	NO	0.8958	1.000	41.88	41.89	1.000	1.000	NO	105	105	0.565	105
29	29 4,4'-Methoxychlor	1.98e6	8.75e5	57	0.05	NO	1.1019	1.000	43.76	43.76	1.000	1.000	NO	102	102	0.0656	102
30	30 Mirex	8.79e5	4.90e5	58	1.42	NO	0.8698	1.000	44.35	44.35	1.000	1.000	NO	103	103	0.187	103
31	31 Endrin Aldehyde	1.51e5	7.42e5	59	0.62	NO	0.9625	1.000	41.30	41.30	1.000	1.000	NO	105	105	0.486	105
32	32 Endrin Ketone	1.22e5	5.71e5	60	0.61	NO	0.8673	1.000	44.46	44.49	1.001	1.000	NO	124	124	0.797	124
33	33 13C4-Hexachlorobutadi.	3.59e6	2.24e6	62	1.26	NO	0.1473	1.000	10.35	10.34	0.390	0.391	NO	543	109	0.0293	
34	34 13C6-Hexachlorobenz	1.57e6	2.24e6	62	1.26	NO	0.7104	1.000	23.11	23.11	0.873	0.873	NO	49.2	98.4	0.007	
35	35 13C6-Alpha-BHC	5.53e5	2.24e6	62	0.78	NO	0.2553	1.000	23.65	23.66	0.893	0.893	NO	48.3	96.5	0.284	
36	36 13C6-Lindane (gamma)	4.33e5	2.24e6	62	0.79	NO	0.2155	1.000	26.98	26.98	1.019	1.019	NO	44.8	89.6	0.336	
37	37 13C6-Delta-BHC	2.47e5	2.24e6	62	0.79	NO	0.1473	1.000	20.01	20.01	4.006	4.006	NO	47.7	96.6	0.446	



Dataset: Untitled

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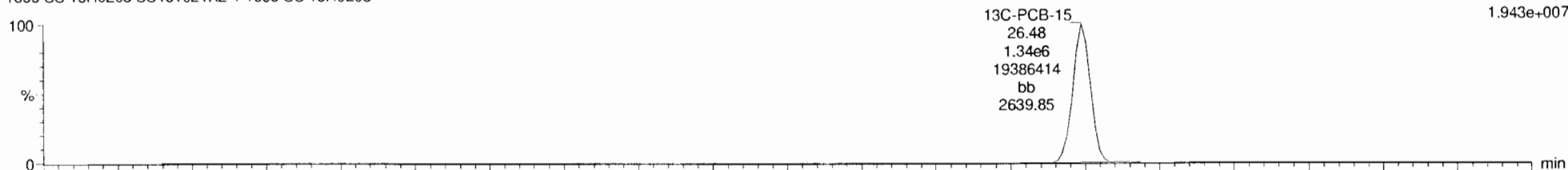
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

Name: 191021K2_7, Date: 21-Oct-2019, Time: 17:58:52, ID: SS191021K2-1 1699 SS 19H0208, Description: 1699 SS 19H0208

13C-PCB-15

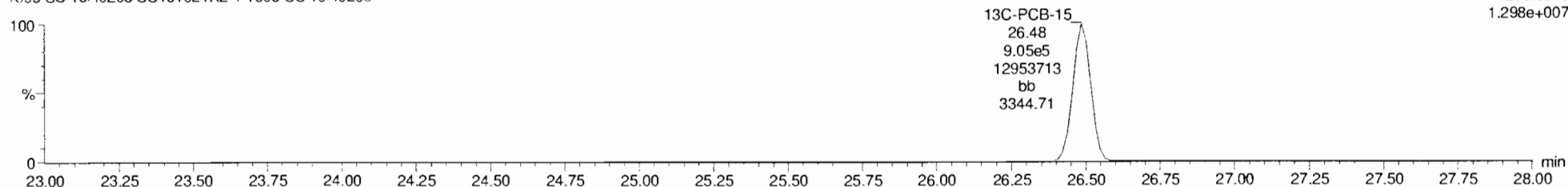
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F2:Voltage SIR,EI+
234.0406
1.943e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

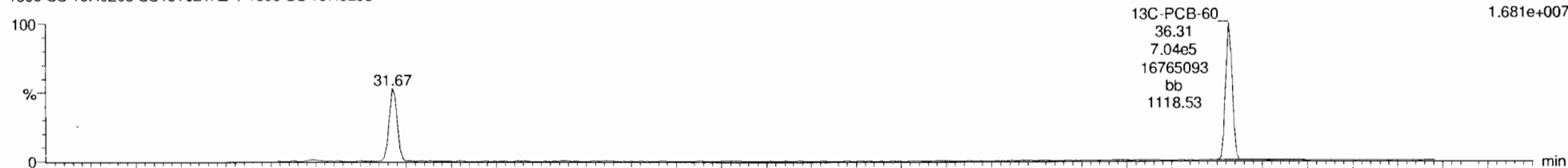
F2:Voltage SIR,EI+
236.0376
1.298e+007



13C-PCB-60

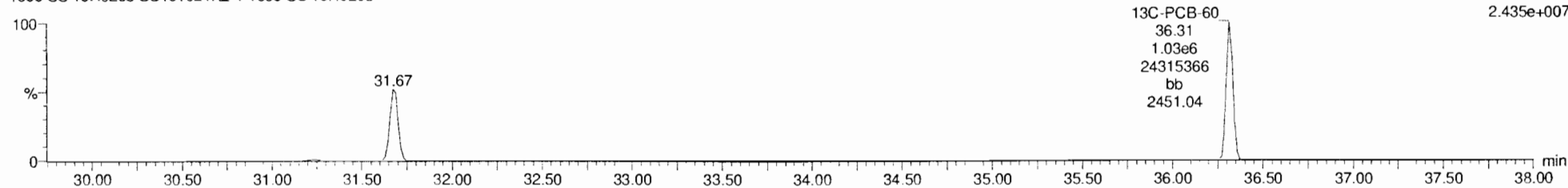
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
301.9626
1.681e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F3:Voltage SIR,EI+
303.9597
2.435e+007



Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

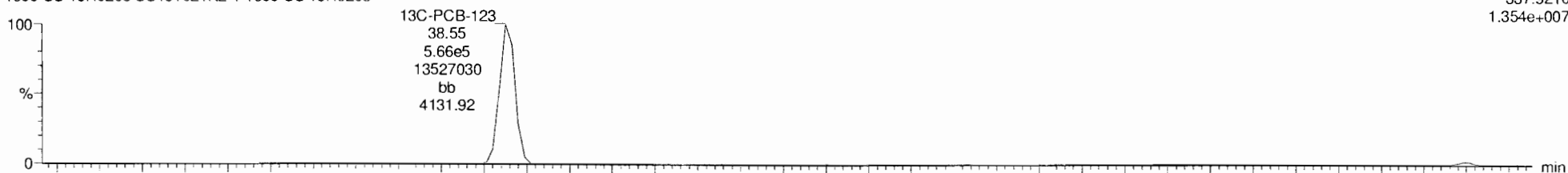
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

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13C-PCB-123

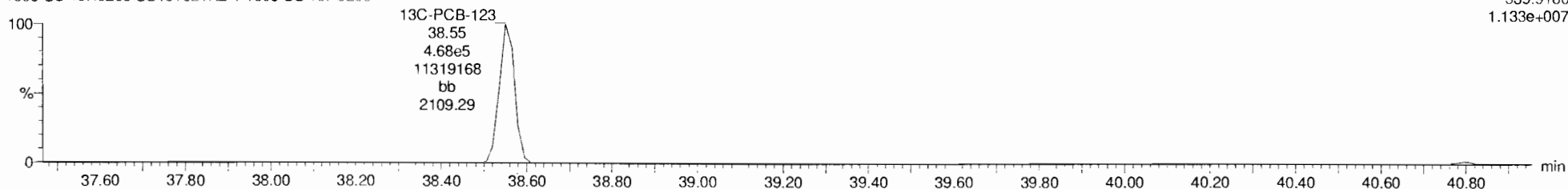
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
337.9210
1.354e+007



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

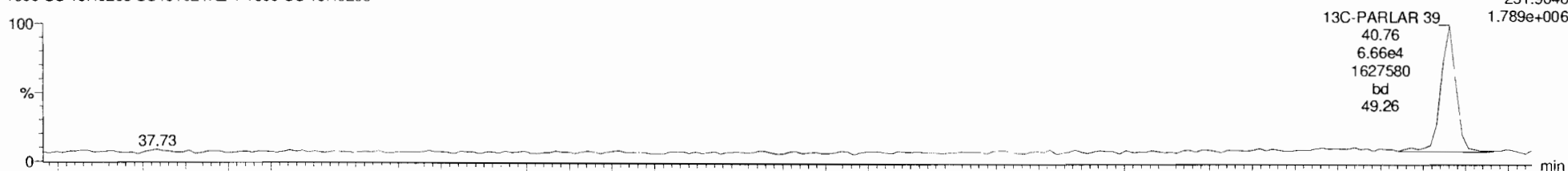
F4:Voltage SIR,EI+
339.9180
1.133e+007



13C-PARLAR 39

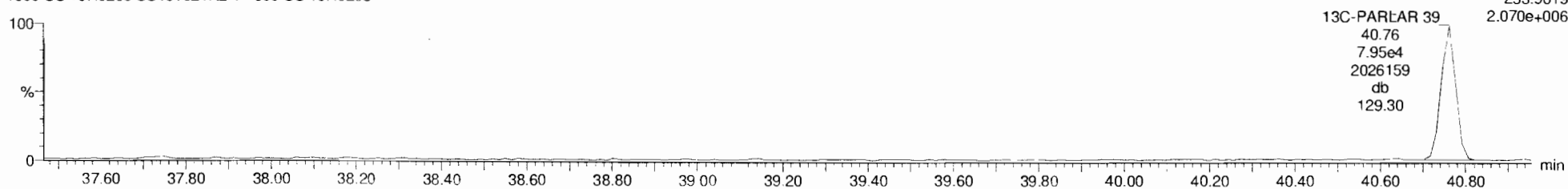
191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
251.9648
1.789e+006



191021K2_7
1699 SS 19H0208 SS191021K2-1 1699 SS 19H0208

F4:Voltage SIR,EI+
253.9619
2.070e+006



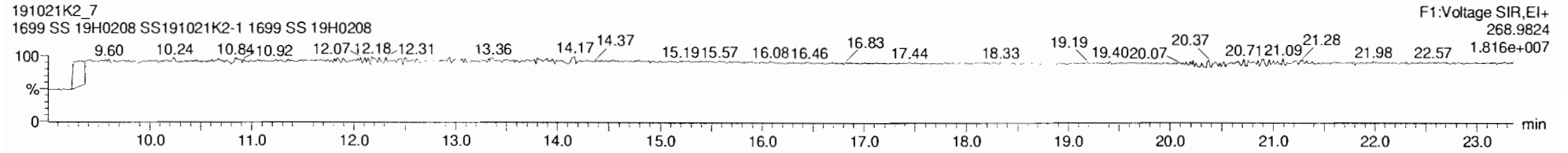
Dataset: Untitled

Last Altered: Tuesday, October 22, 2019 10:57:35 AM Pacific Daylight Time

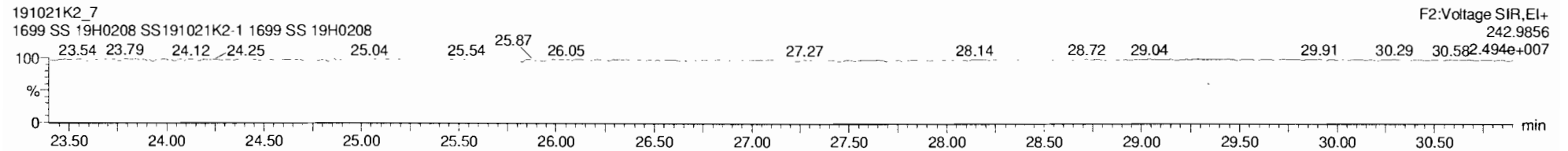
Printed: Tuesday, October 22, 2019 10:57:50 AM Pacific Daylight Time

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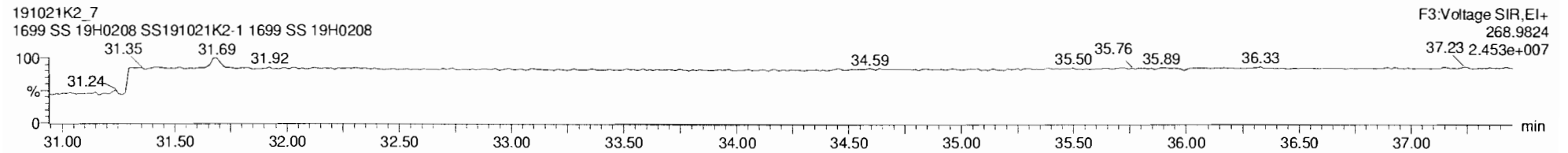
PFK1



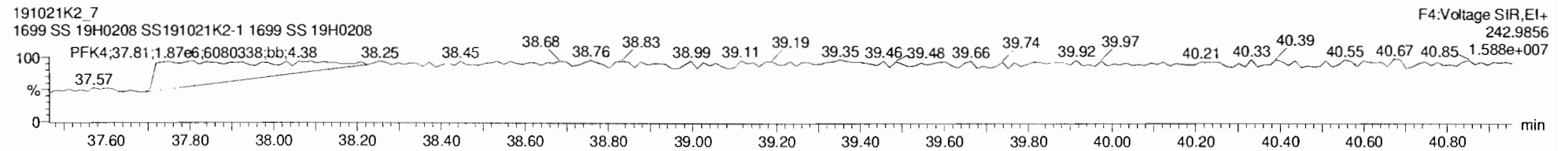
PFK2



PFK3



PFK4



PFK5

