

December 20, 2019

Vista Work Order No. 1903739

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

Dear Ms. Peterson,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 18, 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. 1903739

Case Narrative

Sample Condition on Receipt:

Six 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.

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.

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 the preparation batch. No analytes were detected in the Method Blank. The OPR recoveries were within the method acceptance criteria.

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

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	5
Qualifiers.....	14
Certifications.....	15
Sample Receipt.....	18
Extraction Information.....	21
Sample Data - EPA Method 1613.....	27
Continuing Calibration.....	196
Initial Calibration.....	297

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1903739-01	PDI-026SC-A-11-12-191014	14-Oct-19 11:01	18-Oct-19 08:59	Amber Glass, 120 mL
1903739-02	PDI-026SC-A-12-12.6-191014	14-Oct-19 11:01	18-Oct-19 08:59	Amber Glass, 120 mL
1903739-03	PDI-077SC-A-14-15-191014	14-Oct-19 08:36	18-Oct-19 08:59	Amber Glass, 120 mL
1903739-04	PDI-077SC-A-15-16-191014	14-Oct-19 08:36	18-Oct-19 08:59	Amber Glass, 120 mL
1903739-05	PDI-079SC-A-11-12-191014	14-Oct-19 13:26	18-Oct-19 08:59	Amber Glass, 120 mL
1903739-06	PDI-079SC-A-12-13.3-191014	14-Oct-19 13:26	18-Oct-19 08:59	Amber Glass, 120 mL

ANALYTICAL RESULTS

Sample ID: Method Blank					EPA Method 1613B			
Matrix: Solid Sample Size: 10.0 g		QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38		Lab Sample: B9K0011-BLK1 Date Analyzed: 08-Nov-19 17:29 Column: ZB-5MS				
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.0627			IS 13C-2,3,7,8-TCDD	103	25 - 164	
1,2,3,7,8-PeCDD	ND	0.102			13C-1,2,3,7,8-PeCDD	109	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.0718			13C-1,2,3,4,7,8-HxCDD	102	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.0754			13C-1,2,3,6,7,8-HxCDD	87.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.0754			13C-1,2,3,7,8,9-HxCDD	92.9	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND	0.0922			13C-1,2,3,4,6,7,8-HpCDD	101	23 - 140	
OCDD	ND	0.104			13C-OCDD	100	17 - 157	
2,3,7,8-TCDF	ND	0.0711			13C-2,3,7,8-TCDF	95.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0921			13C-1,2,3,7,8-PeCDF	101	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0915			13C-2,3,4,7,8-PeCDF	98.0	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0325			13C-1,2,3,4,7,8-HxCDF	102	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0329			13C-1,2,3,6,7,8-HxCDF	92.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0359			13C-2,3,4,6,7,8-HxCDF	94.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0467			13C-1,2,3,7,8,9-HxCDF	98.3	29 - 147	
1,2,3,4,6,7,8-HpCDF	0.172			J	13C-1,2,3,4,6,7,8-HpCDF	97.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0566			13C-1,2,3,4,7,8,9-HpCDF	107	26 - 138	
OCDF	ND	0.122			13C-OCDF	104	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	110	35 - 197	
					Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)			
					TEQMinWHO2005Dioxin 0.00172			
TOTALS								
Total TCDD	ND	0.0627						
Total PeCDD	ND	0.102						
Total HxCDD	ND	0.0745						
Total HpCDD	ND	0.0922						
Total TCDF	ND	0.0711						
Total PeCDF	ND	0.0917						
Total HxCDF	ND	0.0365						
Total HpCDF	0.172							

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: B9K0011	Lab Sample: B9K0011-BS1					
Sample Size: 10.0 g	Date Extracted: 04-Nov-2019 7:38	Date Analyzed: 08-Nov-19 14:17	Column: ZB-5MS				
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	20.9	20.0	104	67 - 158	IS 13C-2,3,7,8-TCDD	78.4	20 - 175
1,2,3,7,8-PeCDD	87.8	100	87.8	70 - 142	13C-1,2,3,7,8-PeCDD	91.9	21 - 227
1,2,3,4,7,8-HxCDD	95.5	100	95.5	70 - 164	13C-1,2,3,4,7,8-HxCDD	97.0	21 - 193
1,2,3,6,7,8-HxCDD	99.5	100	99.5	76 - 134	13C-1,2,3,6,7,8-HxCDD	83.6	25 - 163
1,2,3,7,8,9-HxCDD	95.5	100	95.5	64 - 162	13C-1,2,3,7,8,9-HxCDD	90.7	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	199	200	99.7	78 - 144	13C-OCDD	100	13 - 199
2,3,7,8-TCDF	17.3	20.0	86.6	75 - 158	13C-2,3,7,8-TCDF	75.3	22 - 152
1,2,3,7,8-PeCDF	92.5	100	92.5	80 - 134	13C-1,2,3,7,8-PeCDF	88.2	21 - 192
2,3,4,7,8-PeCDF	92.6	100	92.6	68 - 160	13C-2,3,4,7,8-PeCDF	79.8	13 - 328
1,2,3,4,7,8-HxCDF	94.2	100	94.2	72 - 134	13C-1,2,3,4,7,8-HxCDF	93.0	19 - 202
1,2,3,6,7,8-HxCDF	94.4	100	94.4	84 - 130	13C-1,2,3,6,7,8-HxCDF	84.1	21 - 159
2,3,4,6,7,8-HxCDF	98.0	100	98.0	70 - 156	13C-2,3,4,6,7,8-HxCDF	84.1	22 - 176
1,2,3,7,8,9-HxCDF	94.9	100	94.9	78 - 130	13C-1,2,3,7,8,9-HxCDF	91.9	17 - 205
1,2,3,4,6,7,8-HpCDF	93.4	100	93.4	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	90.6	21 - 158
1,2,3,4,7,8,9-HpCDF	90.0	100	90.0	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	102	20 - 186
OCDF	188	200	93.9	63 - 170	13C-OCDF	102	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	87.8	31 - 191

LCL-UCL - Lower control limit - upper control limit

Sample ID: PDI-026SC-A-11-12-191014 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903739-01 Date Received: 18-Oct-2019 8:59
Project: Gasco PDI	Sample Size: 15.8 g	QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38
Date Collected: 14-Oct-2019 11:01	% Solids: 68.2	Date Analyzed : 18-Dec-19 14:10 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.168			IS 13C-2,3,7,8-TCDD	97.1	25 - 164	
1,2,3,7,8-PeCDD	ND	0.150			13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.343			13C-1,2,3,4,7,8-HxCDD	74.8	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.304			13C-1,2,3,6,7,8-HxCDD	88.0	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.347			13C-1,2,3,7,8,9-HxCDD	88.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.33			J	13C-1,2,3,4,6,7,8-HpCDD	76.9	23 - 140	
OCDD	12.8				13C-OCDD	83.2	17 - 157	
2,3,7,8-TCDF	ND	0.0736			13C-2,3,7,8-TCDF	87.1	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0497			13C-1,2,3,7,8-PeCDF	79.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0438			13C-2,3,4,7,8-PeCDF	85.9	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0402			13C-1,2,3,4,7,8-HxCDF	88.6	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0412			13C-1,2,3,6,7,8-HxCDF	89.9	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0455			13C-2,3,4,6,7,8-HxCDF	88.5	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0680			13C-1,2,3,7,8,9-HxCDF	94.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0838			13C-1,2,3,4,6,7,8-HpCDF	83.7	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.120			13C-1,2,3,4,7,8,9-HpCDF	79.3	26 - 138	
OCDF	ND	0.127			13C-OCDF	91.5	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	103	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0171

TOTALS			
Total TCDD	0.679		
Total PeCDD	ND		0.293
Total HxCDD	ND		1.20
Total HpCDD	4.05		
Total TCDF	0.138		
Total PeCDF	ND	0.0497	
Total HxCDF	ND	0.0680	
Total HpCDF	ND	0.120	

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-026SC-A-12-12.6-191014 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903739-02 Date Received: 18-Oct-2019 8:59
Project: Gasco PDI	Sample Size: 13.8 g	QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38
Date Collected: 14-Oct-2019 11:01	% Solids: 73.3	Date Analyzed: 18-Dec-19 19:10 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.163			IS 13C-2,3,7,8-TCDD	91.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.138			13C-1,2,3,7,8-PeCDD	94.0	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.174			13C-1,2,3,4,7,8-HxCDD	75.9	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.159			13C-1,2,3,6,7,8-HxCDD	88.9	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.199			13C-1,2,3,7,8,9-HxCDD	89.6	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.203		13C-1,2,3,4,6,7,8-HpCDD	80.9	23 - 140	
OCDD	1.94			J	13C-OCDD	76.7	17 - 157	
2,3,7,8-TCDF	ND	0.0920			13C-2,3,7,8-TCDF	81.6	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0579			13C-1,2,3,7,8-PeCDF	80.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0596			13C-2,3,4,7,8-PeCDF	77.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0309			13C-1,2,3,4,7,8-HxCDF	89.0	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0317			13C-1,2,3,6,7,8-HxCDF	89.2	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0325			13C-2,3,4,6,7,8-HxCDF	85.4	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0472			13C-1,2,3,7,8,9-HxCDF	94.5	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0528			13C-1,2,3,4,6,7,8-HpCDF	91.9	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0797			13C-1,2,3,4,7,8,9-HpCDF	81.1	26 - 138	
OCDF	ND	0.148			13C-OCDF	85.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	84.4	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.000582

TOTALS								
Total TCDD	ND	0.163						
Total PeCDD	ND	0.138						
Total HxCDD	ND		0.115					
Total HpCDD	ND		0.551					
Total TCDF	ND	0.0920						
Total PeCDF	ND	0.0596						
Total HxCDF	ND	0.0472						
Total HpCDF	ND	0.0797						

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-077SC-A-14-15-191014 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903739-03 Date Received: 18-Oct-2019 8:59
Project: Gasco PDI	Sample Size: 13.1 g	QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38
Date Collected: 14-Oct-2019 8:36	% Solids: 78.2	Date Analyzed : 18-Dec-19 19:57 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.190			IS 13C-2,3,7,8-TCDD	92.8	25 - 164	
1,2,3,7,8-PeCDD	ND	0.135			13C-1,2,3,7,8-PeCDD	92.4	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.235			13C-1,2,3,4,7,8-HxCDD	80.3	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.222			13C-1,2,3,6,7,8-HxCDD	87.1	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.280			13C-1,2,3,7,8,9-HxCDD	84.8	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.980			J	13C-1,2,3,4,6,7,8-HpCDD	87.8	23 - 140	
OCDD	7.59				13C-OCDD	97.0	17 - 157	
2,3,7,8-TCDF	ND	0.0935			13C-2,3,7,8-TCDF	85.5	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0645			13C-1,2,3,7,8-PeCDF	80.5	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0684			13C-2,3,4,7,8-PeCDF	83.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0404			13C-1,2,3,4,7,8-HxCDF	91.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0421			13C-1,2,3,6,7,8-HxCDF	91.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0474			13C-2,3,4,6,7,8-HxCDF	88.8	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0646			13C-1,2,3,7,8,9-HxCDF	97.2	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0425			13C-1,2,3,4,6,7,8-HpCDF	93.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0559			13C-1,2,3,4,7,8,9-HpCDF	89.5	26 - 138	
OCDF	ND	0.204			13C-OCDF	106	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.7	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.0121

TOTALS								
Total TCDD	ND	0.190						
Total PeCDD	ND	0.135						
Total HxCDD	ND		0.848					
Total HpCDD	2.69							
Total TCDF	ND	0.0935						
Total PeCDF	ND	0.0684						
Total HxCDF	ND	0.0646						
Total HpCDF	ND	0.0559						

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-077SC-A-15-16-191014 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903739-04 Date Received: 18-Oct-2019 8:59
Project: Gasco PDI	Sample Size: 12.5 g	QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38
Date Collected: 14-Oct-2019 8:36	% Solids: 80.5	Date Analyzed : 18-Dec-19 20:45 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.152			IS 13C-2,3,7,8-TCDD	95.5	25 - 164	
1,2,3,7,8-PeCDD	ND	0.135			13C-1,2,3,7,8-PeCDD	101	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.174			13C-1,2,3,4,7,8-HxCDD	82.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.164			13C-1,2,3,6,7,8-HxCDD	97.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.193			13C-1,2,3,7,8,9-HxCDD	95.7	32 - 141	
1,2,3,4,6,7,8-HpCDD	ND		0.613		13C-1,2,3,4,6,7,8-HpCDD	83.5	23 - 140	
OCDD	6.08				13C-OCDD	80.4	17 - 157	
2,3,7,8-TCDF	ND	0.0756			13C-2,3,7,8-TCDF	89.0	24 - 169	
1,2,3,7,8-PeCDF	ND	0.0643			13C-1,2,3,7,8-PeCDF	82.3	24 - 185	
2,3,4,7,8-PeCDF	ND	0.0575			13C-2,3,4,7,8-PeCDF	82.7	21 - 178	
1,2,3,4,7,8-HxCDF	ND	0.0413			13C-1,2,3,4,7,8-HxCDF	87.5	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0424			13C-1,2,3,6,7,8-HxCDF	89.6	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0465			13C-2,3,4,6,7,8-HxCDF	88.3	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0622			13C-1,2,3,7,8,9-HxCDF	99.9	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND	0.0500			13C-1,2,3,4,6,7,8-HpCDF	94.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.0732			13C-1,2,3,4,7,8,9-HpCDF	85.9	26 - 138	
OCDF	ND	0.159			13C-OCDF	93.1	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.1	35 - 197	

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

TEQMinWHO2005Dioxin 0.00182

TOTALS								
Total TCDD	ND	0.152						
Total PeCDD	ND	0.135						
Total HxCDD	ND		0.530					
Total HpCDD	1.48		2.09					
Total TCDF	ND	0.0756						
Total PeCDF	ND	0.0643						
Total HxCDF	ND	0.0622						
Total HpCDF	ND	0.0732						

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-079SC-A-11-12-191014 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903739-05 Date Received: 18-Oct-2019 8:59
Project: Gasco PDI	Sample Size: 13.4 g	QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38
Date Collected: 14-Oct-2019 13:26	% Solids: 75.9	Date Analyzed : 18-Dec-19 21:34 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.153			IS 13C-2,3,7,8-TCDD	88.6	25 - 164	
1,2,3,7,8-PeCDD	ND	0.127			13C-1,2,3,7,8-PeCDD	87.2	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.124			13C-1,2,3,4,7,8-HxCDD	73.5	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.119			13C-1,2,3,6,7,8-HxCDD	84.7	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.145			13C-1,2,3,7,8,9-HxCDD	83.2	32 - 141	
1,2,3,4,6,7,8-HpCDD	0.409			J	13C-1,2,3,4,6,7,8-HpCDD	88.6	23 - 140	
OCDD	3.88			J	13C-OCDD	81.4	17 - 157	
2,3,7,8-TCDF	ND	0.101			13C-2,3,7,8-TCDF	81.8	24 - 169	
1,2,3,7,8-PeCDF	ND		0.0752		13C-1,2,3,7,8-PeCDF	78.8	24 - 185	
2,3,4,7,8-PeCDF	ND		0.0236		13C-2,3,4,7,8-PeCDF	76.6	21 - 178	
1,2,3,4,7,8-HxCDF	ND		0.249		13C-1,2,3,4,7,8-HxCDF	90.2	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0528			13C-1,2,3,6,7,8-HxCDF	91.0	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0628			13C-2,3,4,6,7,8-HxCDF	82.6	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.0866			13C-1,2,3,7,8,9-HxCDF	87.8	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.115		13C-1,2,3,4,6,7,8-HpCDF	84.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND	0.129			13C-1,2,3,4,7,8,9-HpCDF	81.4	26 - 138	
OCDF	0.396			J	13C-OCDF	88.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	98.3	35 - 197	

Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)
 TEQMinWHO2005Dioxin 0.00537

TOTALS		DL	EMPC	Qualifiers
Total TCDD	ND	0.153		
Total PeCDD	ND	0.127		
Total HxCDD	0.238			
Total HpCDD	0.907			
Total TCDF	0.478			
Total PeCDF	ND		0.188	
Total HxCDF	ND		0.249	
Total HpCDF	ND		0.296	

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-079SC-A-12-13.3-191014 **EPA Method 1613B**

Client Data	Sample Data	Laboratory Data
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 1903739-06 Date Received: 18-Oct-2019 8:59
Project: Gasco PDI	Sample Size: 13.9 g	QC Batch: B9K0011 Date Extracted: 04-Nov-2019 7:38
Date Collected: 14-Oct-2019 13:26	% Solids: 71.9	Date Analyzed: 18-Dec-19 22:23 Column: ZB-5MS

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.159			IS 13C-2,3,7,8-TCDD	81.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.114			13C-1,2,3,7,8-PeCDD	101	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.165			13C-1,2,3,4,7,8-HxCDD	78.4	32 - 141	
1,2,3,6,7,8-HxCDD	ND	0.157			13C-1,2,3,6,7,8-HxCDD	91.5	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.204			13C-1,2,3,7,8,9-HxCDD	83.5	32 - 141	
1,2,3,4,6,7,8-HpCDD	1.35			J	13C-1,2,3,4,6,7,8-HpCDD	83.2	23 - 140	
OCDD	12.7				13C-OCDD	91.3	17 - 157	
2,3,7,8-TCDF	ND	0.115			13C-2,3,7,8-TCDF	70.0	24 - 169	
1,2,3,7,8-PeCDF	1.11			J	13C-1,2,3,7,8-PeCDF	83.3	24 - 185	
2,3,4,7,8-PeCDF	0.520			J	13C-2,3,4,7,8-PeCDF	86.1	21 - 178	
1,2,3,4,7,8-HxCDF	1.11			J	13C-1,2,3,4,7,8-HxCDF	83.8	26 - 152	
1,2,3,6,7,8-HxCDF	ND	0.0924			13C-1,2,3,6,7,8-HxCDF	89.3	26 - 123	
2,3,4,6,7,8-HxCDF	ND	0.0983			13C-2,3,4,6,7,8-HxCDF	92.0	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.141			13C-1,2,3,7,8,9-HxCDF	96.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	ND		0.395		13C-1,2,3,4,6,7,8-HpCDF	95.8	28 - 143	
1,2,3,4,7,8,9-HpCDF	0.114			J	13C-1,2,3,4,7,8,9-HpCDF	84.4	26 - 138	
OCDF	0.538			J	13C-OCDF	103	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	77.8	35 - 197	

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

TEQMinWHO2005Dioxin 0.319

TOTALS								
Total TCDD	ND	0.159						
Total PeCDD	ND	0.114						
Total HxCDD	0.581							
Total HpCDD	3.44							
Total TCDF	0.395							
Total PeCDF	1.63		1.99					
Total HxCDF	1.29		1.44					
Total HpCDF	0.527		0.922	B				

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.

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

1903739. ^{aws 10/24/19} ~~t.4~~ 3.6°C

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

Project: Gasco PDI
Client: NW Natural

COC ID: VISTA-20191014-145320
Sample Custodian: CO, SN, BJ, DL
Lab: VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected		Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
				Date	Time						
001	PDI-026SC-A-11-12-191014	N	SE	10/14/2019	11:01	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
002	PDI-026SC-A-12-12.6-191014	N	SE	10/14/2019	11:01	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
003	PDI-077SC-A-14-15-191014	N	SE	10/14/2019	8:36	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
004	PDI-077SC-A-15-16-191014	N	SE	10/14/2019	8:36	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
005	PDI-079SC-A-11-12-191014	N	SE	10/14/2019	13:26	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C
006	PDI-079SC-A-12-13.3-191014	N	SE	10/14/2019	13:26	1	<input type="checkbox"/>	Dioxin/Furans	E1613B	30	4°C
								Total solids (VISTA)	SM2540G	30	4°C

Comment:

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature:	Signature:	Signature:	Signature:	Signature:	Signature:
Print Name: C. OREIRO	Print Name: Ashley Mason	Print Name:	Print Name:	Print Name:	Print Name:
Company: AQ	Company: VAL	Company:	Company:	Company:	Company:
Date/Time: 10/17/19 1355	Date/Time: 10/18/19 0859	Date/Time:	Date/Time:	Date/Time:	Date/Time:

Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 1903739 TAT std

Samples Arrival:	Date/Time: 10/18/19 0859	Initials: WWS	Location: WR-2
		Shelf/Rack: N/A	
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac
	<input type="radio"/> GSO	<input type="radio"/> DHL	<input type="radio"/> Hand Delivered
	<input type="radio"/> Other		
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Dry Ice
	<input type="radio"/> None		
Temp °C: 3.6 (uncorrected)	Probe used: Y / <input checked="" type="radio"/> N		Thermometer ID: IR-3
Temp °C: 3.6 (corrected)			

	YES	NO	NA
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"/>
Airbill <u>1 of 2</u> Trk # <u>7767 5105 6110</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input type="checkbox"/> Vista	<input checked="" type="checkbox"/> Client	<input type="checkbox"/> Retain
	<input type="checkbox"/>	<input checked="" type="checkbox"/> Return	<input type="checkbox"/> Dispose
Chain of Custody / Sample Documentation Present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time: 10/21/19 1447	Initials:	Location: WR-2
		Shelf/Rack: 2-1	
COC Anomaly/Sample Acceptance Form completed?		<input type="checkbox"/>	<input checked="" type="checkbox"/>
		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 1903739

LabNumber	CoC Sample ID	Label ID matches COCID	Label ID doesn't match COCID	SampleAlias	Sampled	Label Sampled matches	Sampled doesn't match	Container	Container Correct	BaseMatrix	Sample Comments
1903739-01	A PDI-026SC-A-11-12-191014	<input checked="" type="checkbox"/>		001	14-Oct-19 11:01	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903739-02	A PDI-026SC-A-12-12.6-191014	<input checked="" type="checkbox"/>		002	14-Oct-19 11:01	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903739-03	A PDI-077SC-A-14-15-191014	<input checked="" type="checkbox"/>		003	14-Oct-19 08:36	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903739-04	A PDI-077SC-A-15-16-191014	<input checked="" type="checkbox"/>		004	14-Oct-19 08:36	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903739-05	A PDI-079SC-A-11-12-191014	<input checked="" type="checkbox"/>		005	14-Oct-19 13:26	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	
1903739-06	A PDI-079SC-A-12-13.3-191014	<input checked="" type="checkbox"/>		006	14-Oct-19 13:26	<input checked="" type="checkbox"/>		Amber Glass, 120 mL	<input checked="" type="checkbox"/>	Solid	

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>		
Sample Custody Seals Intact?			<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>		
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other			<input checked="" type="checkbox"/>
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			<input checked="" type="checkbox"/>

Comments:

Cooler # 1

Verified by/Date: SC 10/22/19

EXTRACTION INFORMATION

Process Sheet

Workorder: **1903739**

8-Nov-19

Prep Expiration: 2020-10-13
Client: Anchor QEA, LLC

Workorder Due: ~~15-Nov-19~~ 00:00

TAT: ~~28~~ 21 (W) 10/22/19

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

Prep Batch: B9K0011

Prep Data Entered: AO 11/06/19
Date and Initials

Initial Sequence: SAL0044

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
1903739-01	A <input checked="" type="checkbox"/>	PDI-026SC-A-11-12-191014	18-Oct-19 08:59	WR-2 A-1	
1903739-02	A <input checked="" type="checkbox"/>	PDI-026SC-A-12-12.6-191014	18-Oct-19 08:59	WR-2 A-1	
1903739-03	A <input checked="" type="checkbox"/>	PDI-077SC-A-14-15-191014	18-Oct-19 08:59	WR-2 A-1	
1903739-04	A <input checked="" type="checkbox"/>	PDI-077SC-A-15-16-191014	18-Oct-19 08:59	WR-2 A-1	
1903739-05	A <input checked="" type="checkbox"/>	PDI-079SC-A-11-12-191014	18-Oct-19 08:59	WR-2 A-1	
1903739-06	A <input checked="" type="checkbox"/>	PDI-079SC-A-12-13.3-191014	18-Oct-19 08:59	WR-2 A-1	

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

Pre-Prep Check Out: TL 10/31/19
Pre-Prep Check In: TL 10/31/19

Prep Check Out: AO 11/04/19
Prep Check In: AO 11/04/19

Prep Reconciled Initials/Date: TL 10/31/19
Spike Reconciled Initials/Date: AO 11/04/19
VialBoxID: 6:ml

PREPARATION BENCH SHEET

Matrix: Solid

B9K0011

Chemist: AO

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 04-Nov-19 07:38

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"/>	B9K0011-BLK1	NA	(10.00)	AO 11/04/19	AO 11/05/19	NA	AO 11/05/19	AO 11/05/19	AO 11/05/19	AO 11/06/19
<input type="checkbox"/>	B9K0011-BS1	↓	(10.00)	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903430-06RE1	13.63	14.03	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903739-01	14.67	15.79	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903739-02	13.64	13.75	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903739-03	12.79	13.13	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903739-04	12.42	12.51	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903739-05	13.17	13.37	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903739-06	13.91	13.91	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903741-01	14.08	14.25	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903741-02	13.53	13.55	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903741-03	14.83	14.96	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903741-04	13.76	13.95	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903741-05	14.32	14.32	↓	↓	↓	↓	↓	↓	↓
<input type="checkbox"/>	1903741-06	13.70	13.86	↓	↓	↓	↓	↓	↓	↓

IS Name <u>V2</u>	NS Name <u>V5</u>	CRS Name <u>V7</u>	RS Name <u>V7</u>	Cycle Time	APP: SEFUN SOX <u>SDS</u>	Check Out: <u>AO 11/04/19</u>
PCDD/F <u>19C1902, 10mL</u>	PCDD/F <u>18F1913, 10mL</u>	PCDD/F <u>19E1102, 10mL</u>	PCDD/F <u>19I1603, 10mL</u>	Start Date/Time <u>11/04/19 1330</u>	SOLV: <u>Toluene</u>	Check In: <u>AO 11/04/19</u>
PCB _____	PCB _____	PCB _____	PCB _____	Stop Date/Time <u>11/09/19 1600</u>	Other <u>NA</u>	Balance ID: <u>HRMS-8</u>
PAH _____	PAH _____	PAH _____	PAH _____	Final Volume(s) <u>014 20mL</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: B9K0011

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1903430-06RE1	14.03 ✓	73.35116	10.2912	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903739-01	15.79 ✓	68.18462	10.7664	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903739-02	13.75 ✓	73.29377	10.0779	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903739-03	13.13 ✓	78.19472	10.2670	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903739-04	12.51 ✓	80.54768	10.0765	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903739-05	13.37 ✓	75.92	10.1505	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903739-06	13.91 ✓	71.90605	10.0021	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903741-01	14.25 ✓	71.02616	10.1212	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903741-02	13.55 ✓	73.88255	10.0111	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903741-03	14.96 ✓	67.41492	10.0853	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903741-04	13.95 ✓	72.66667	10.1370	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903741-05	14.32 ✓	69.8145	9.9974	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
1903741-06	13.86 ✓	73.00522	10.1185	20	04-Nov-19 07:38	ACO			Sediment	1613 Full List
B9K0011-BLK1	10 ✓			20	04-Nov-19 07:38	ACO				QC
B9K0011-BS1	10 ✓			20	04-Nov-19 07:38	ACO	18F1913 ✓	10 ✓		QC

All bolded data on report verified against written benchsheet by (initial/date)

11/06/19 

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9J0298

Analyst: TL	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>TL 11/01/19</u>
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: <u>01</u> 02		

Inst HRMS-9

<u>Date/Time IN:</u> <u>Date/Time OUT:</u>
10/31/19 11:38 11/1/19 14:20

Particle Size	SampID	SampType	Intial and Date:	E		G			K				TL 10/31/19	
				TL 10/31/19	TL 11/01/19	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added		
	1903739-01	A	Sample	1.3000 ✓	17.5500 ✓	12.3800 ✓	11.0800	68.18	Mud	NA	NA	NA	NA	Y
	1903739-02	A	Sample	1.2900 ✓	11.4000 ✓	8.7000 ✓	7.4100	73.29	Sand	NA	NA	NA	NA	Y
	1903739-03	A	Sample	1.2800 ✓	11.1400 ✓	8.9900 ✓	7.7100	78.19	Sand	NA	NA	NA	NA	Y
	1903739-04	A	Sample	1.2900 ✓	11.8800 ✓	9.8200 ✓	8.5300	80.55	Sand	NA	NA	NA	NA	Y
	1903739-05	A	Sample	1.3000 ✓	13.8000 ✓	10.7900 ✓	9.4900	75.92	Sand	NA	NA	NA	NA	Y
	1903739-06	A	Sample	1.3000 ✓	12.3700 ✓	9.2600 ✓	7.9600	71.91	Sand	NA	NA	NA	NA	Y

*Sample homogenized in sample container unless otherwise noted.

Percent Moisture/ Percent Solids

D2216-90

BATCH ID B9J0298

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

Inst HRMS-9

Date/Time IN: 10/11/19 11:38
Date/Time OUT: 10/11/19 14:20

B		C	D	E		F	G	H	I	K	L	M	N	O	P
Particle Size	SampID	A	SampType	Initial and Date: TL 10/13/19		TL 11/6/19		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)									
	1903739-01	↓	Sample	1.30	17.55	12.58			Mud						Y
	1903739-02		Sample	1.29	11.40	8.70			Sand						Y
	1903739-03		Sample	1.28	11.14	3.99									Y
	1903739-04		Sample	1.29	11.88	9.82									Y
	1903739-05		Sample	1.30	13.80	10.79									Y
	1903739-06		Sample	1.30	12.37	9.26									Y

*Sample homogenized in sample container unless otherwise noted.

SAMPLE DATA – EPA METHOD 1613

Client ID: Method Blank
Lab ID: B9K0011-BLK1

Filename: 191108D1 S:8 Acq: 8-NOV-19 17:29:33
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol:10.000

ConCal: ST191108D1-1
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	NotF η	*		119	2.5	0.0627	Total Tetra-Dioxins	*	*		119	0.0627
1,2,3,7,8-PeCDD	*	* n	0.90	NotF η	*		202	2.5	0.102	Total Penta-Dioxins	*	*		202	0.102
1,2,3,4,7,8-HxCDD	*	* n	1.10	NotF η	*		94.1	2.5	0.0718	Total Hexa-Dioxins	*	*		94.1	0.0745
1,2,3,6,7,8-HxCDD	*	* n	0.94	NotF η	*		94.1	2.5	0.0754	Total Hepta-Dioxins	*	*		128	0.0922
1,2,3,7,8,9-HxCDD	*	* n	0.96	NotF η	*		94.1	2.5	0.0754	Total Tetra-Furans	*	*		183	0.0711
1,2,3,4,6,7,8-HpCDD	*	* n	0.98	NotF η	*		128	2.5	0.0922	Total Penta-Furans	0.0000	0.0000		192	0.0917
OCDD	*	* n	0.96	NotF η	*		105	2.5	0.104	Total Hexa-Furans	*	*		100	0.0365
										Total Hepta-Furans	0.172	0.172		*	*
2,3,7,8-TCDF	*	* n	0.95	NotF η	*		183	2.5	0.0711						
1,2,3,7,8-PeCDF	*	* n	0.96	NotF η	*		192	2.5	0.0921						
2,3,4,7,8-PeCDF	*	* n	1.01	NotF η	*		192	2.5	0.0915						
1,2,3,4,7,8-HxCDF	*	* n	1.18	NotF η	*		100	2.5	0.0325						
1,2,3,6,7,8-HxCDF	*	* n	1.07	NotF η	*		100	2.5	0.0329						
2,3,4,6,7,8-HxCDF	*	* n	1.11	NotF η	*		100	2.5	0.0359						
1,2,3,7,8,9-HxCDF	*	* n	1.06	NotF η	*		100	2.5	0.0467						
1,2,3,4,6,7,8-HpCDF	5.36e+03	1.12 y	1.13	36:40	0.17219		*	2.5	*						
1,2,3,4,7,8,9-HpCDF	*	* n	1.28	NotF η	*		131	2.5	0.0566						
OCDF	*	* n	0.95	NotF η	*		151	2.5	0.122						
IS	13C-2,3,7,8-TCDD	6.67e+06	0.79 y	1.10	26:13	205.87				Rec	Qual				
IS	13C-1,2,3,7,8-PeCDD	5.70e+06	0.63 y	0.88	30:42	218.82				103					
IS	13C-1,2,3,4,7,8-HxCDD	4.88e+06	1.29 y	0.64	34:01	203.81				109					
IS	13C-1,2,3,6,7,8-HxCDD	5.60e+06	1.28 y	0.86	34:07	175.33				102					
IS	13C-1,2,3,7,8,9-HxCDD	5.59e+06	1.29 y	0.81	34:25	185.77				87.7					
IS	13C-1,2,3,4,6,7,8-HpCDD	4.91e+06	1.07 y	0.65	37:52	201.08				92.9					
IS	13C-OCDD	8.66e+06	0.90 y	0.58	41:08	400.64				101					
IS	13C-2,3,7,8-TCDF	9.52e+06	0.79 y	1.03	25:26	190.01				100					
IS	13C-1,2,3,7,8-PeCDF	8.33e+06	1.62 y	0.85	29:32	201.50				95.0					
IS	13C-2,3,4,7,8-PeCDF	8.03e+06	1.64 y	0.85	30:25	195.91				101					
IS	13C-1,2,3,4,7,8-HxCDF	6.34e+06	0.51 y	0.83	33:07	204.17				98.0					
IS	13C-1,2,3,6,7,8-HxCDF	7.12e+06	0.51 y	1.03	33:15	184.48				102					
IS	13C-2,3,4,6,7,8-HxCDF	6.68e+06	0.51 y	0.95	33:50	187.95				92.2					
IS	13C-1,2,3,7,8,9-HxCDF	6.07e+06	0.52 y	0.83	34:48	196.57				94.0					
IS	13C-1,2,3,4,6,7,8-HpCDF	5.52e+06	0.42 y	0.76	36:38	195.35				98.3					
IS	13C-1,2,3,4,7,8,9-HpCDF	4.63e+06	0.45 y	0.58	38:24	213.54				97.7					
IS	13C-OCDF	1.07e+07	0.92 y	0.69	41:22	415.62				107					
C/Up	37C1-2,3,7,8-TCDD	3.11e+06		1.20	26:14	87.757				104					
RS/RT	13C-1,2,3,4-TCDD	5.91e+06	0.78 y	1.00	25:39	200.00				110					
RS	13C-1,2,3,4-TCDF	9.68e+06	0.81 y	1.00	24:14	200.00					Integrations		Reviewed		
RS/RT	13C-1,2,3,4,6,9-HxCDF	7.46e+06	0.51 y	1.00	33:32	200.00					by		by		
											Analyst: <u>DB</u>		Analyst: <u>CT</u>		
											Date: <u>11/11/19</u>		Date: <u>12/20/19</u>		

Totals class: HpCDF EMPC

Entry #: 35

Run: 12

File: 191108D1

S: 8 I: 1 F: 4

Acquired: 8-NOV-19 17:29:33

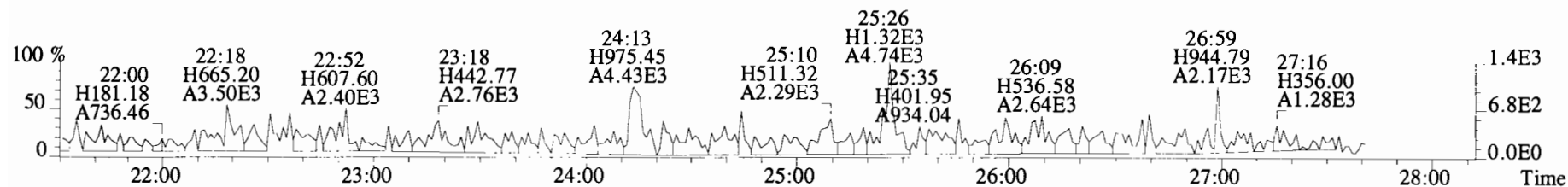
Processed: 11-NOV-19 10:37:15

Total Concentration: 0.17219

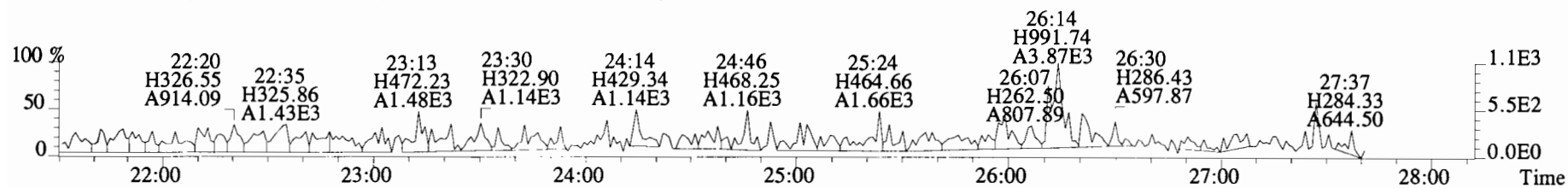
Unnamed Concentration: *

RT	m1 Resp	m2 Resp	RA		Resp Concentration	Name	
36:40	2.837e+03	2.523e+03	1.12	y	5.359e+03	0.17219	1,2,3,4,6,7,8-HpCDF

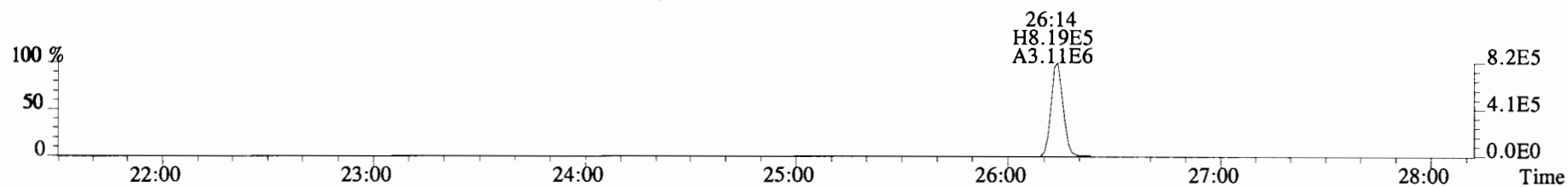
File:191108D1 #1-493 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



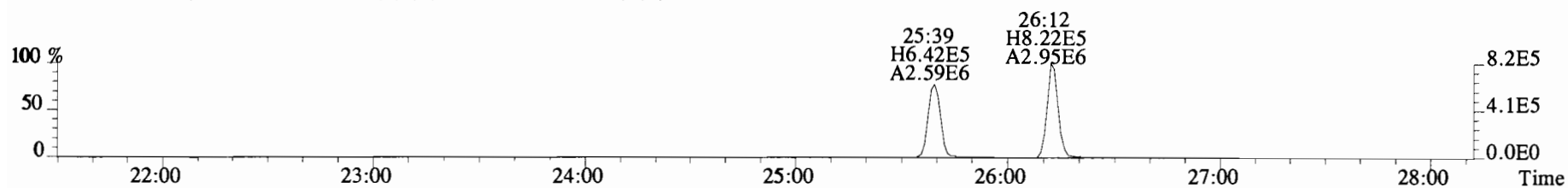
321.8936 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



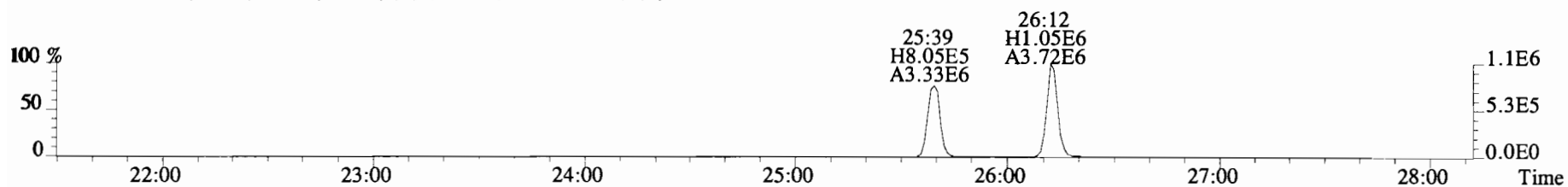
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



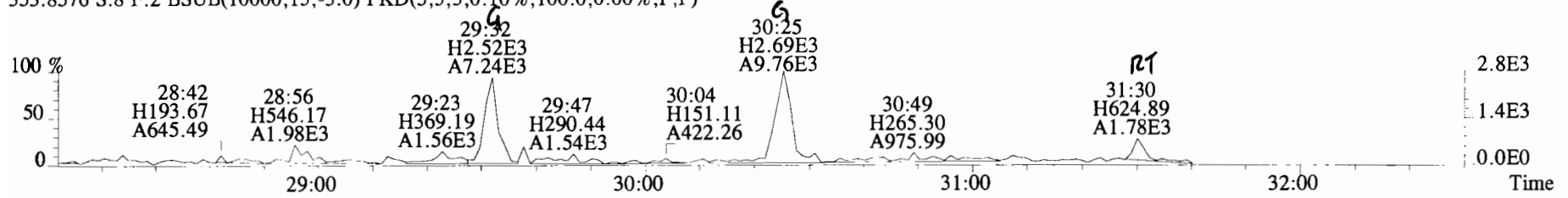
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



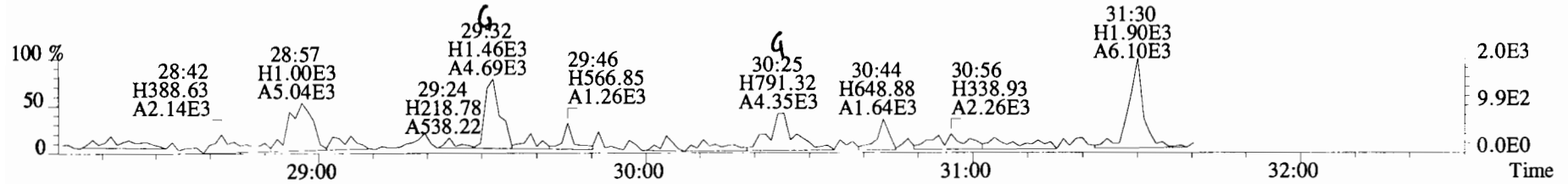
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



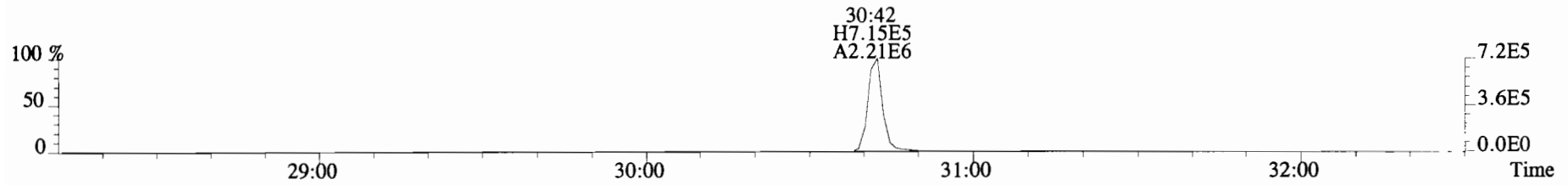
File:191108D1 #1-210 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
 353.8576 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



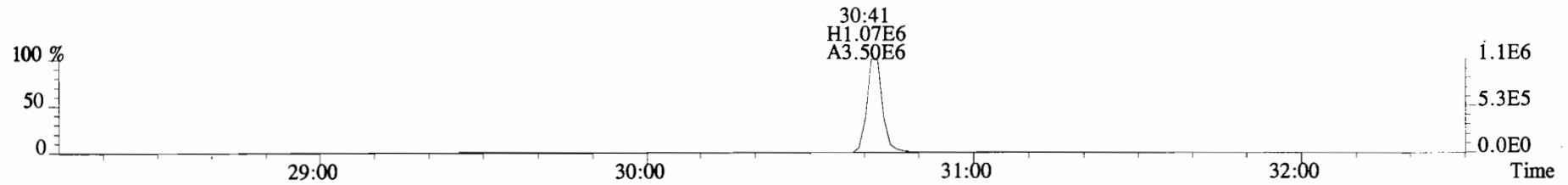
355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



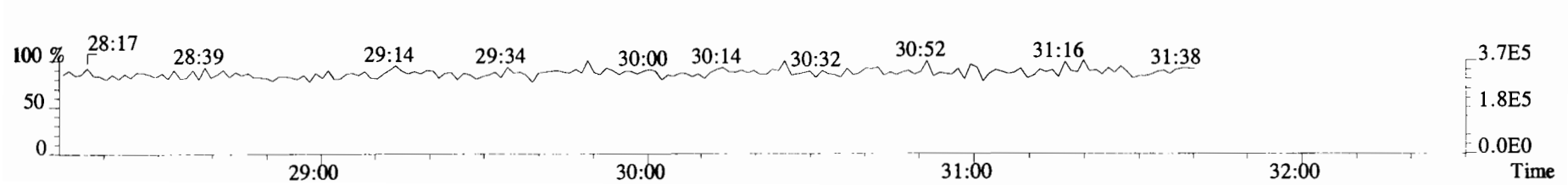
365.8978 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



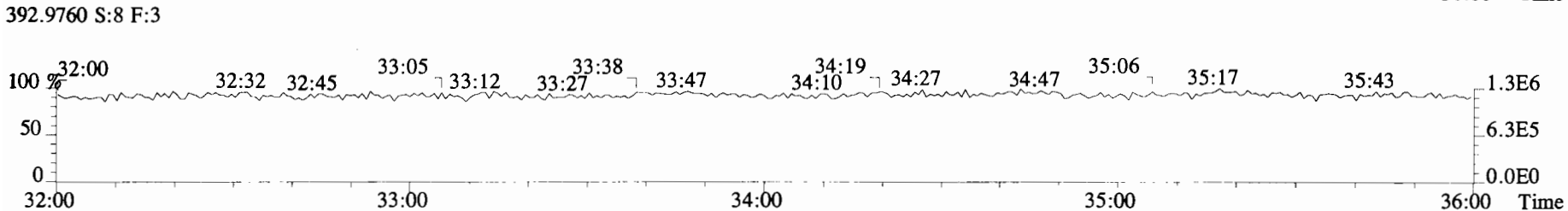
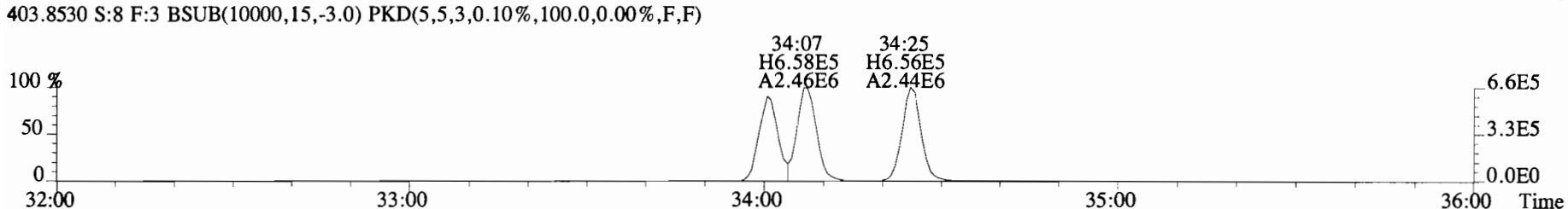
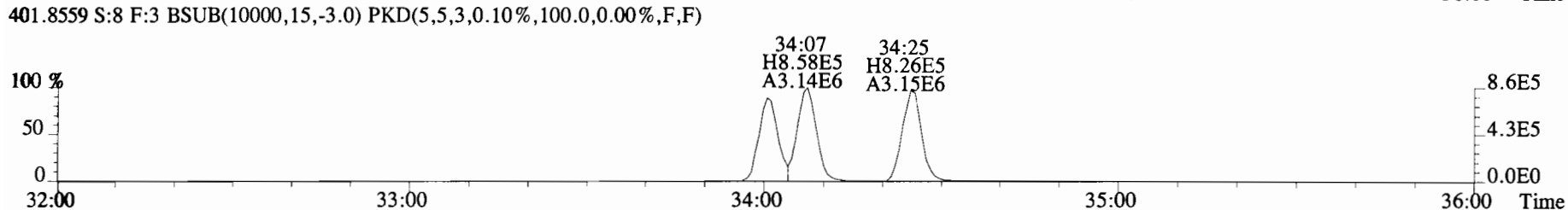
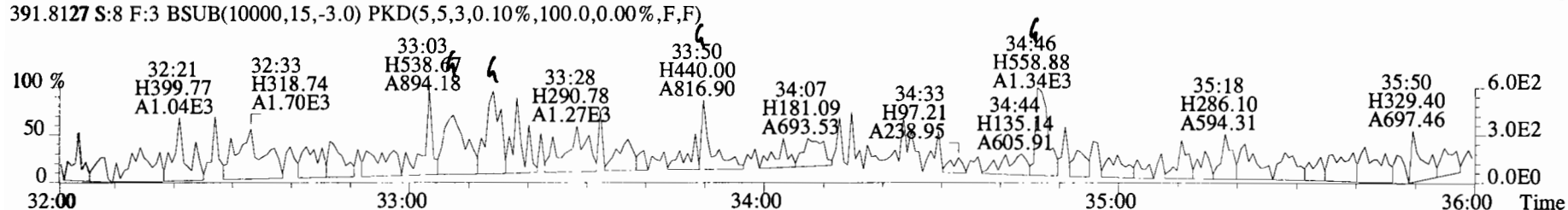
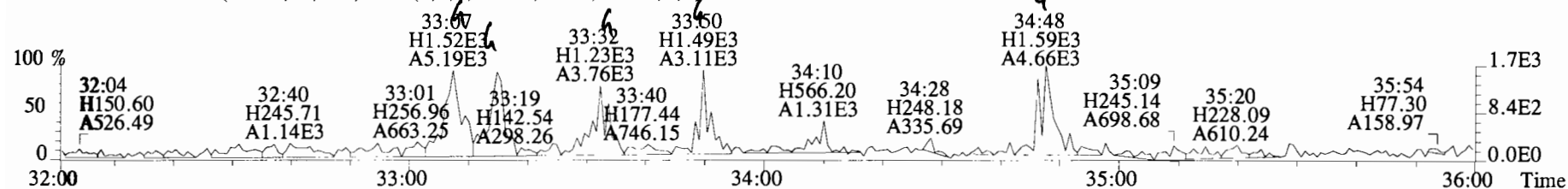
367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



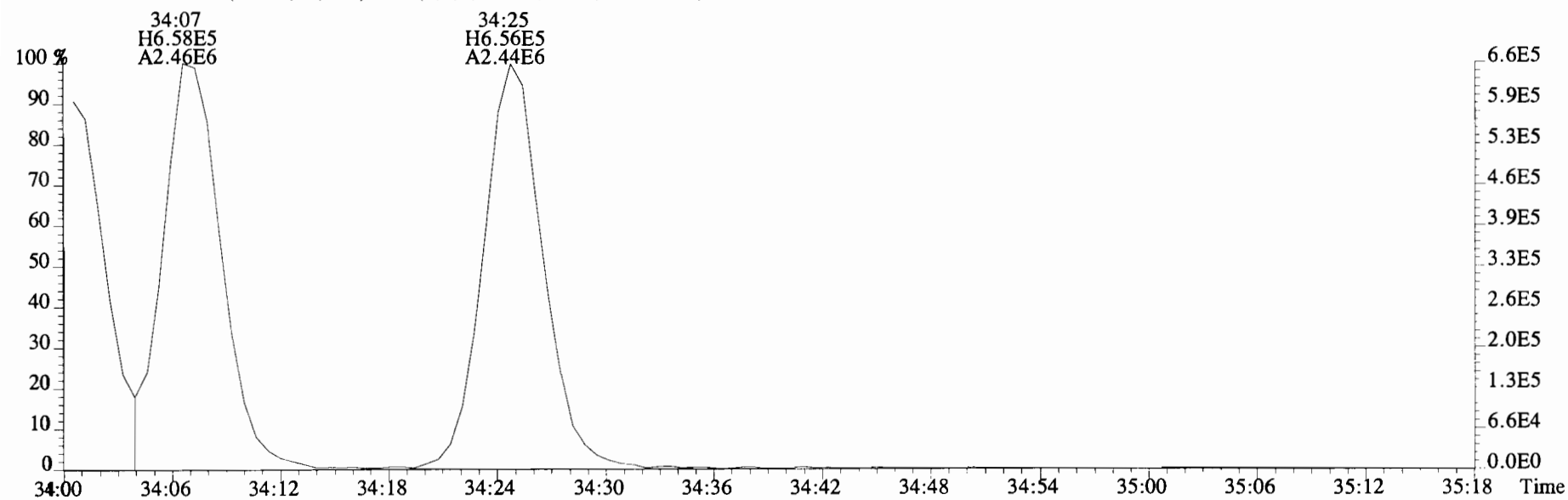
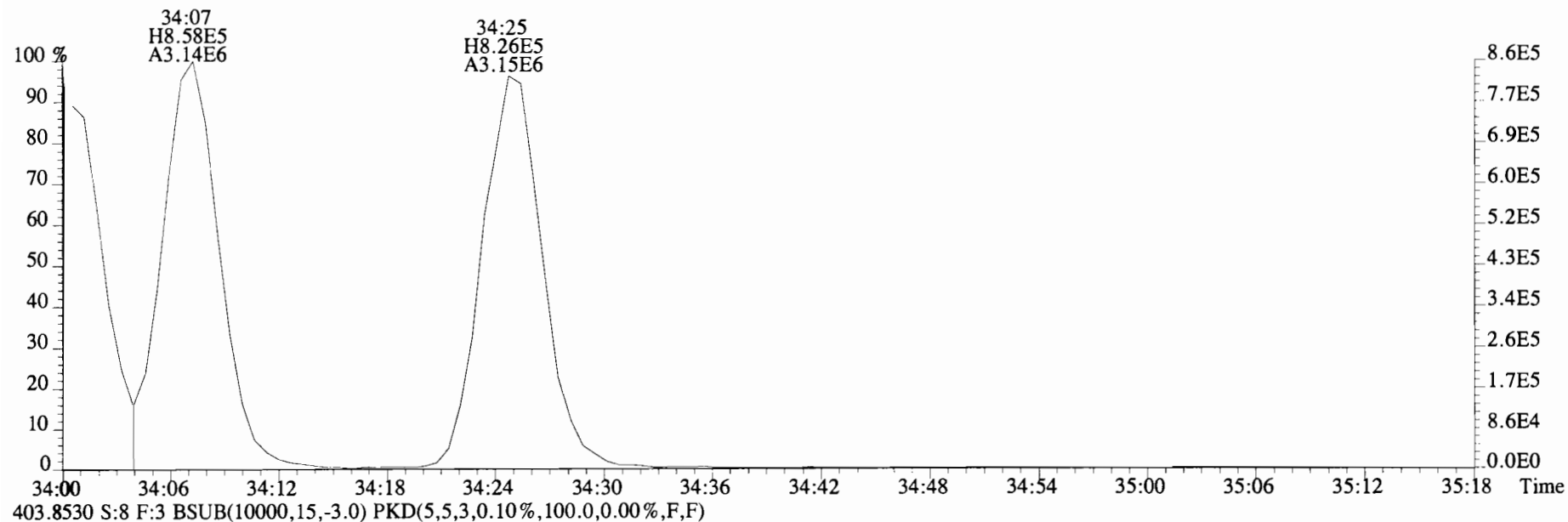
366.9792 S:8 F:2



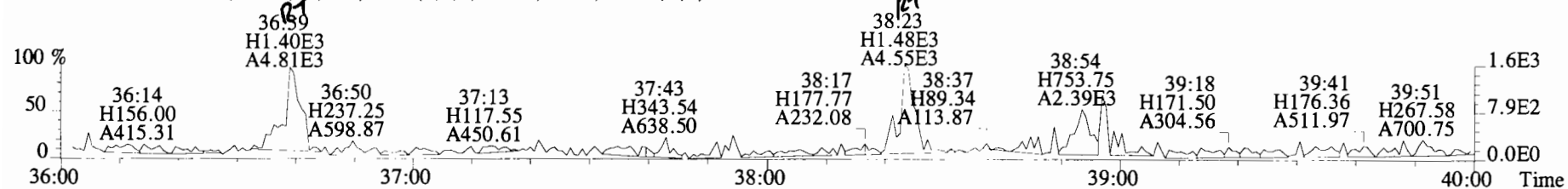
File:191108D1 #1-385 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



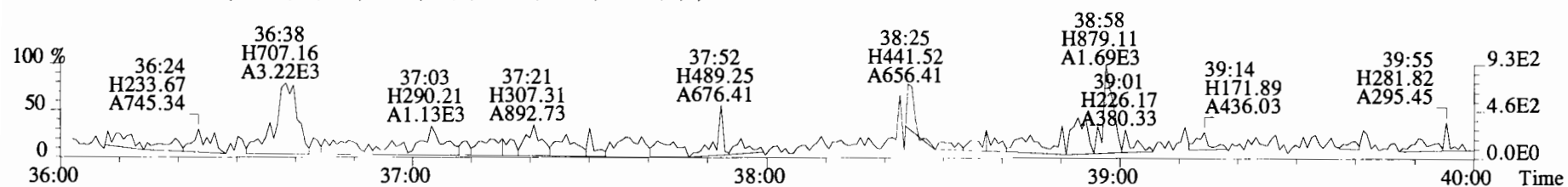
File:191108D1 #1-385 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata Analytical Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



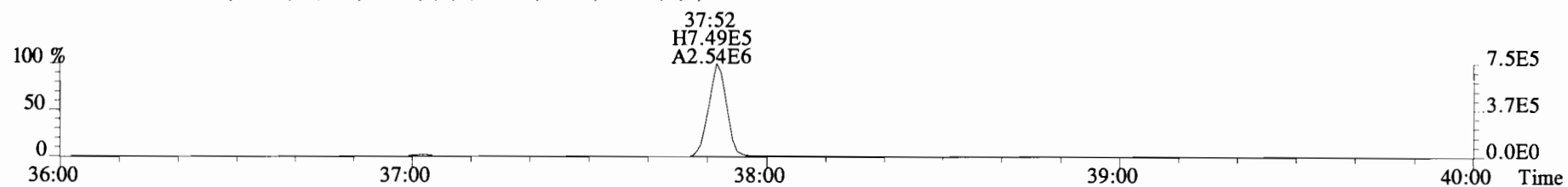
File:191108D1 #1-355 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



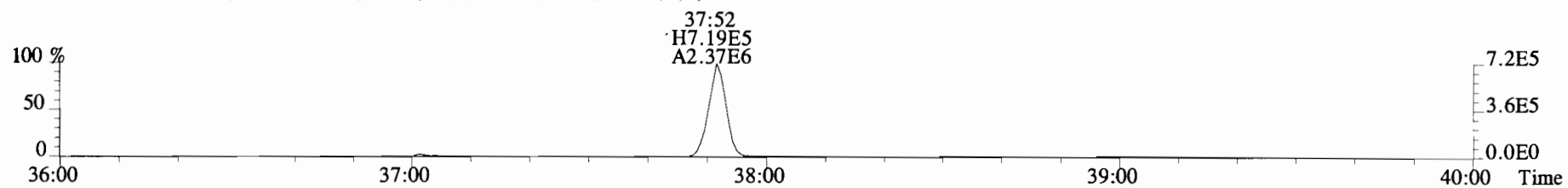
425.7737 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



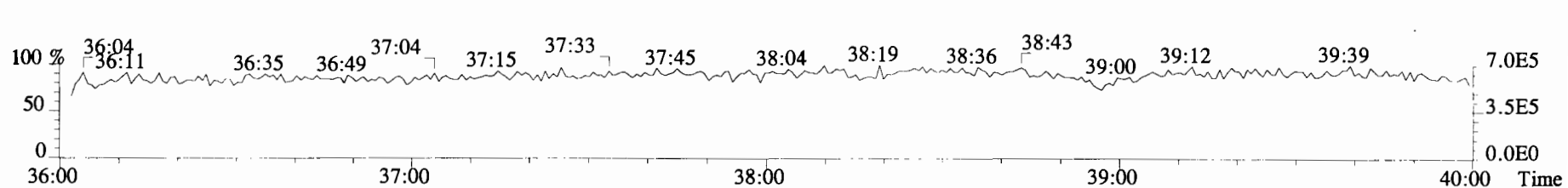
435.8169 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



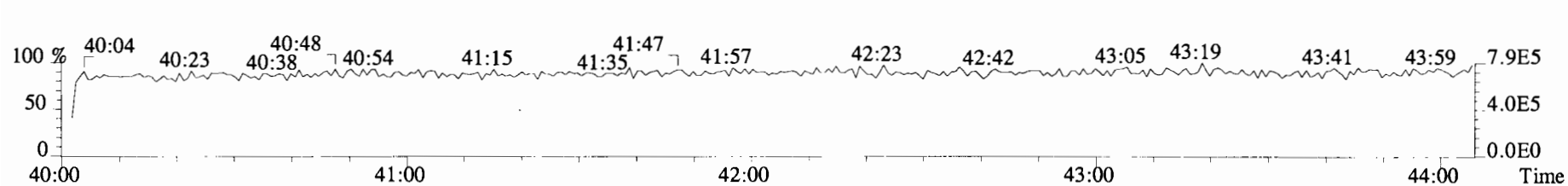
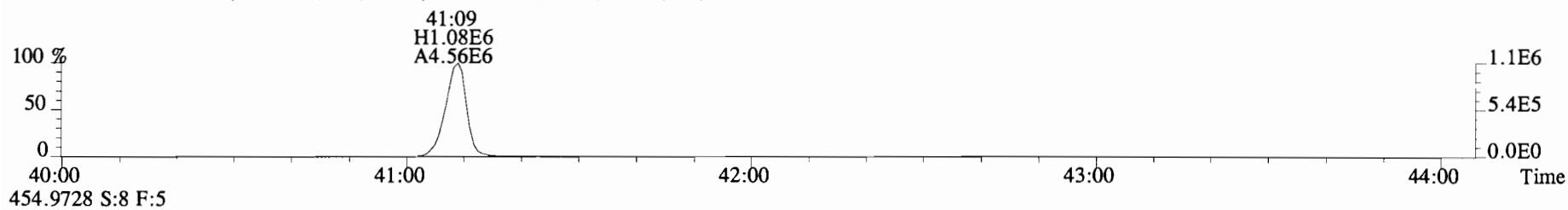
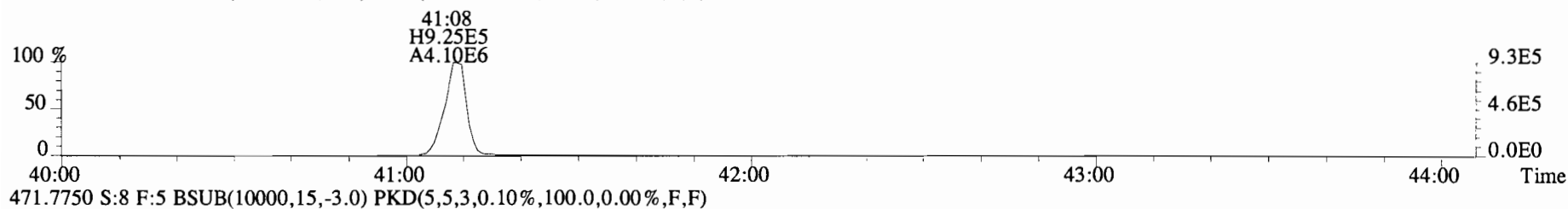
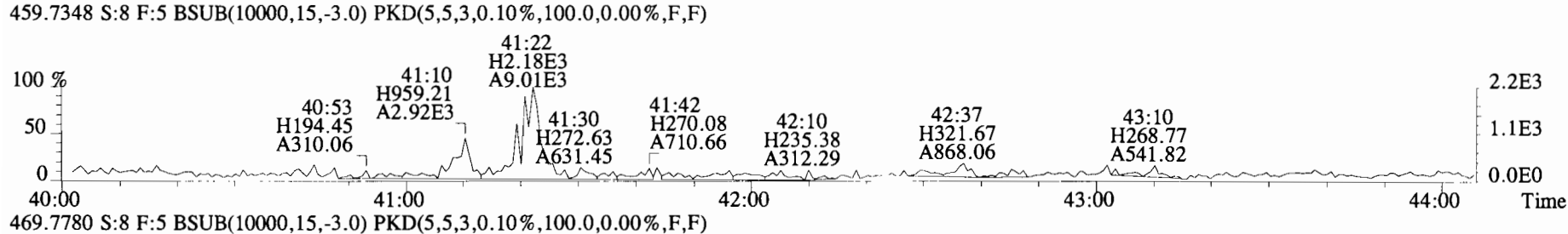
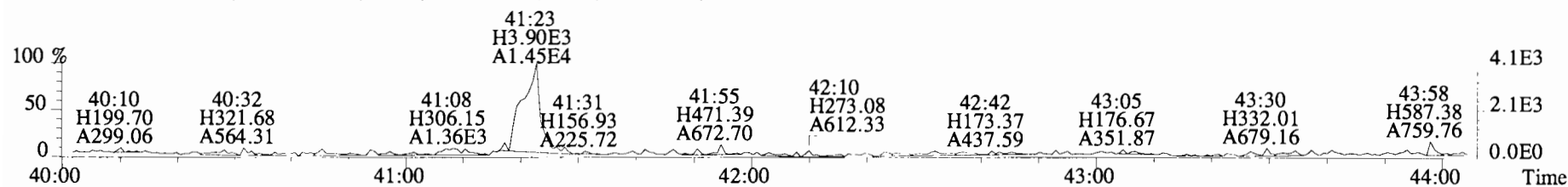
437.8140 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



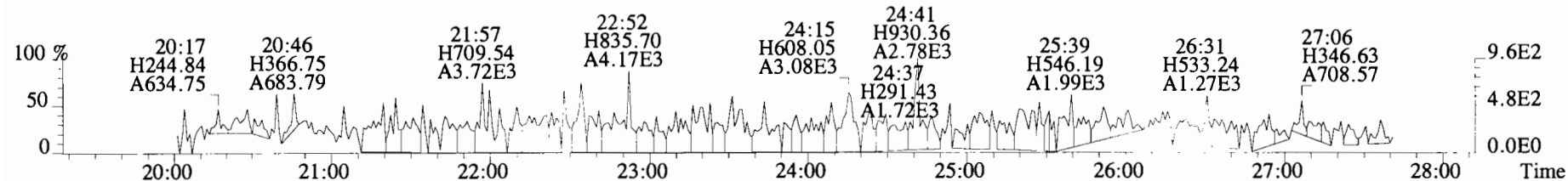
454.9728 S:8 F:4



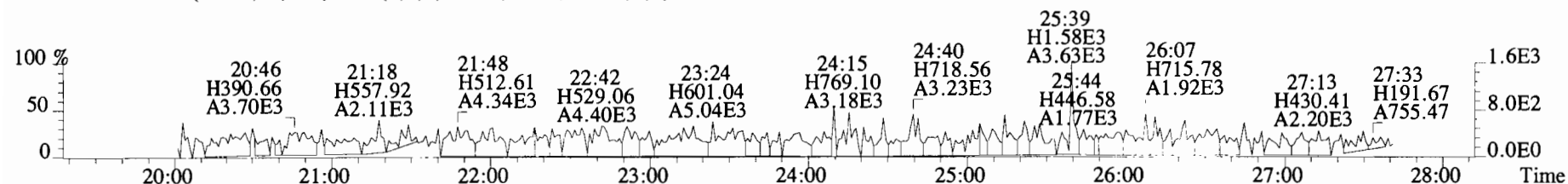
File:191108D1 #1-432 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
 457.7377 S:8 F:5 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



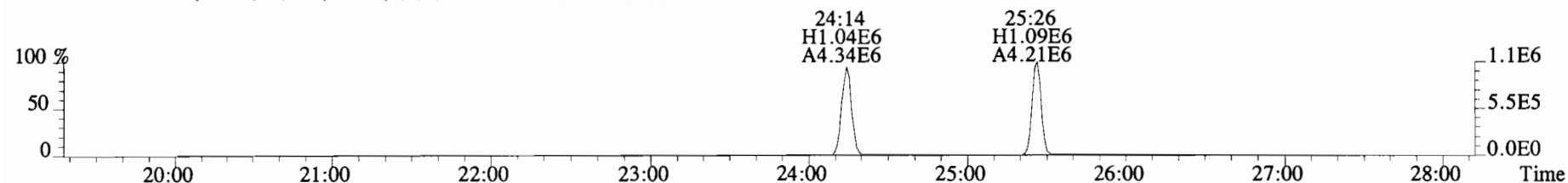
File:191108D1 #1-493 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



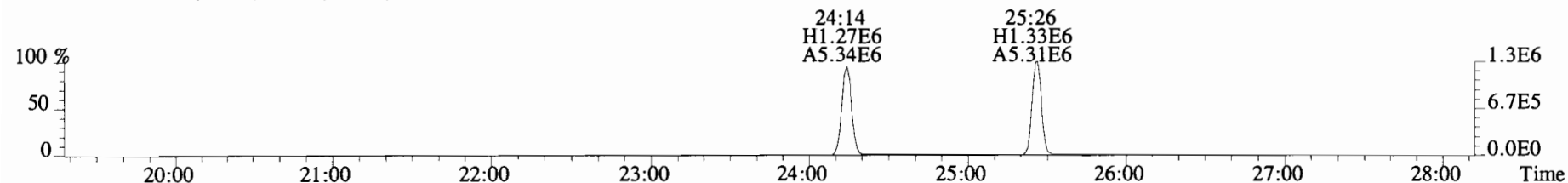
305.8987 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



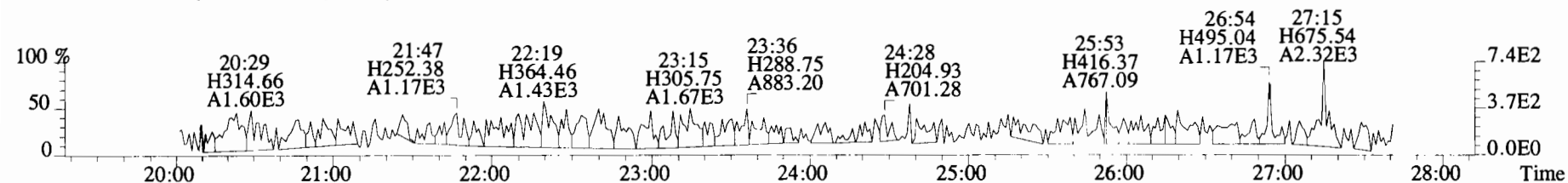
315.9419 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



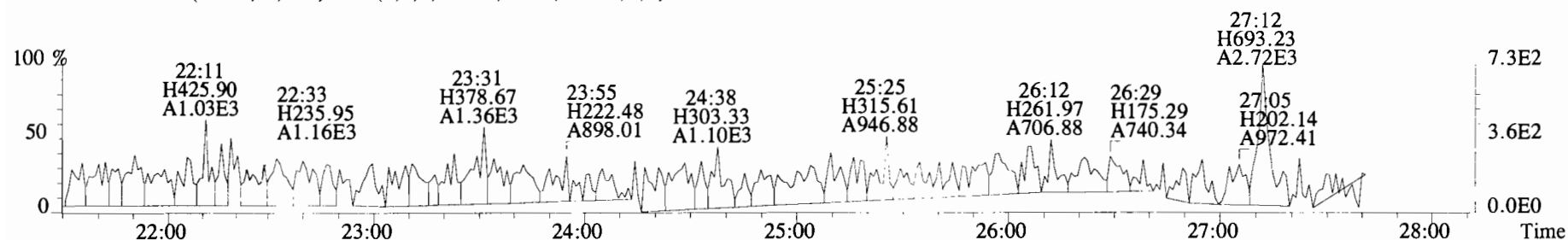
317.9389 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



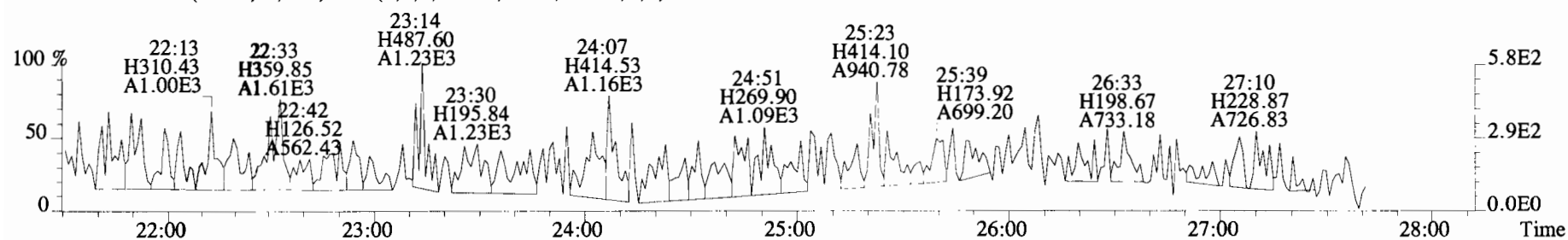
375.8364 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



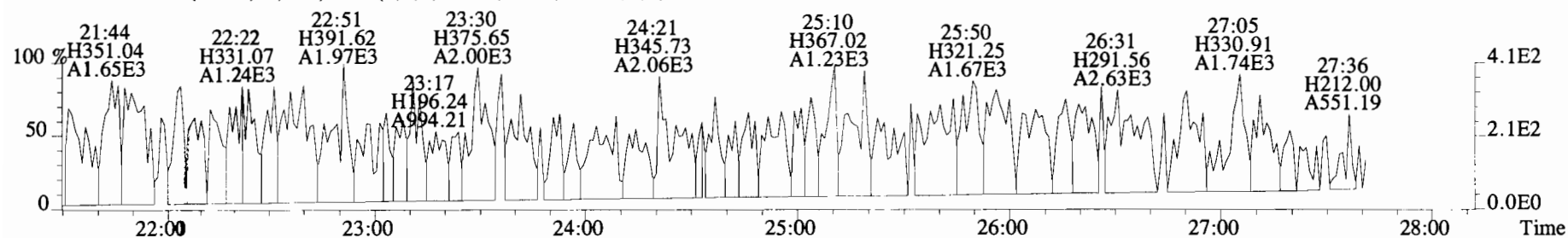
File:191108D1 #1-493 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Viata Analytical Laboratory VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
 339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



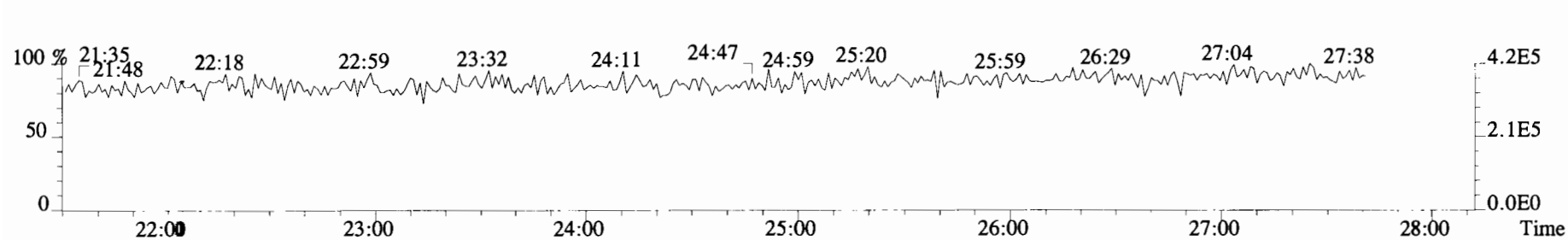
341.8568 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



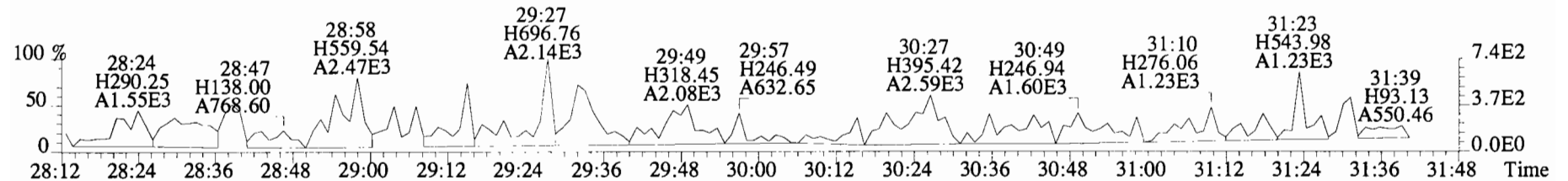
409.7974 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



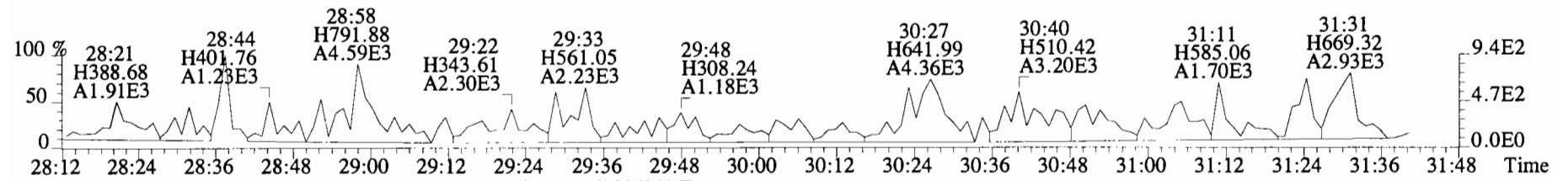
316.9824 S:8



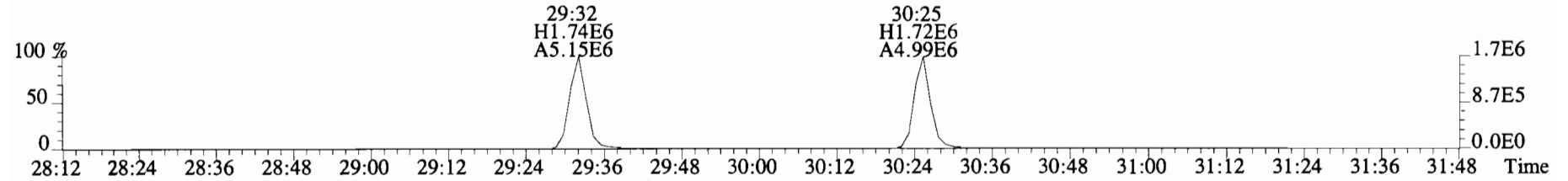
File:191108D1 #1-210 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata Analytical Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



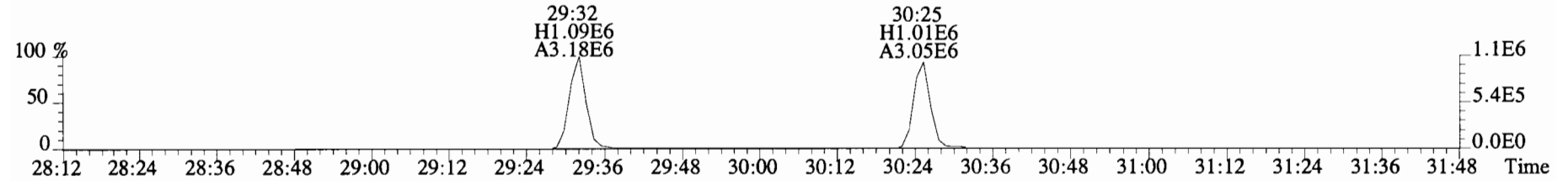
341.8568 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



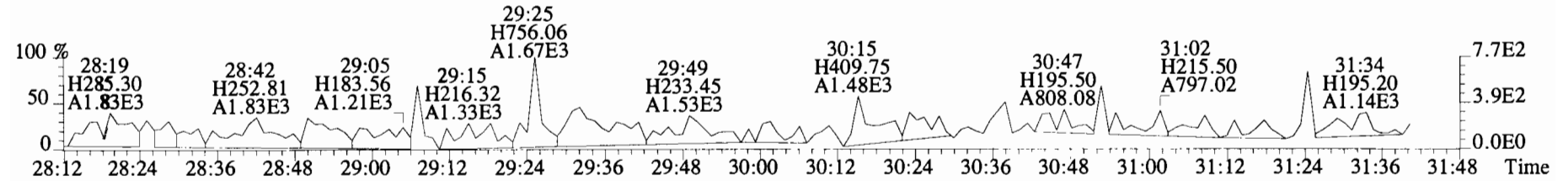
351.9000 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



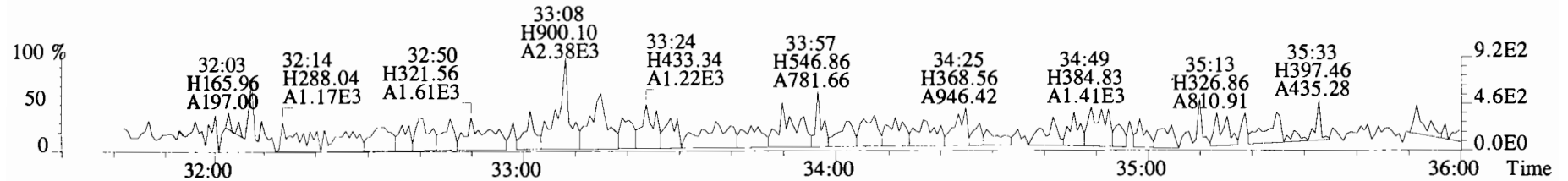
353.8970 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



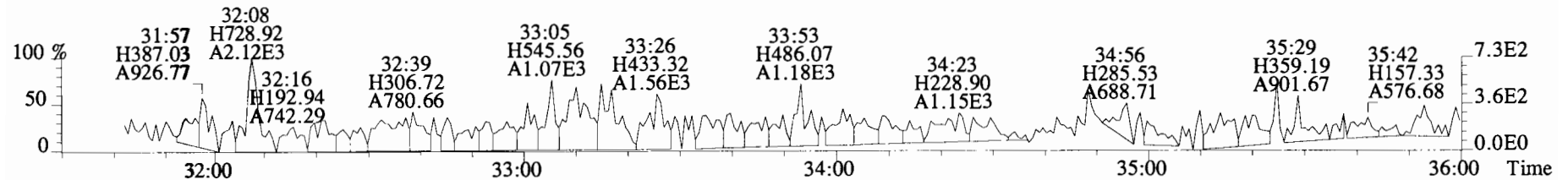
409.7974 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



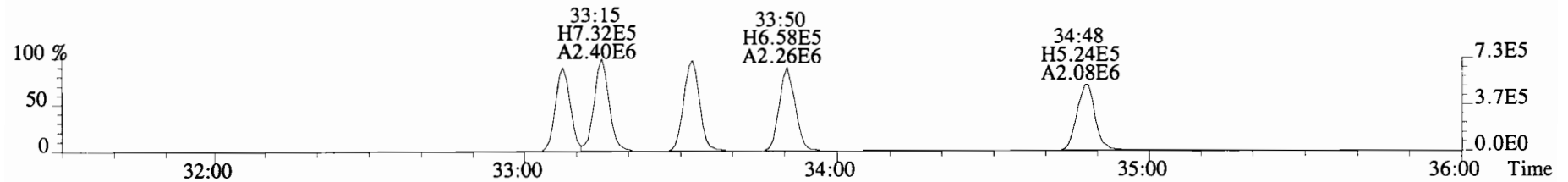
File:191108D1 #1-385 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
 373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



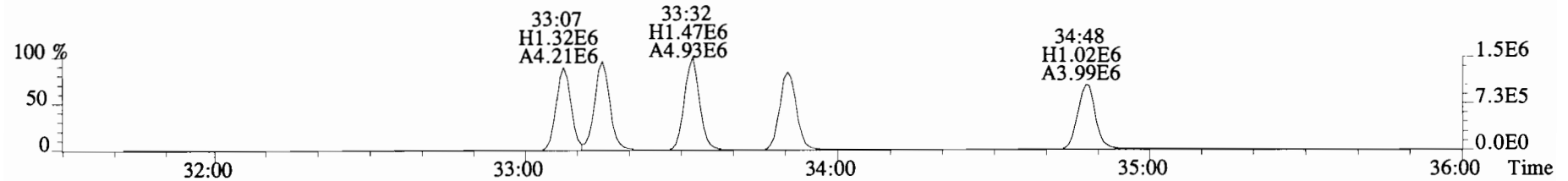
375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



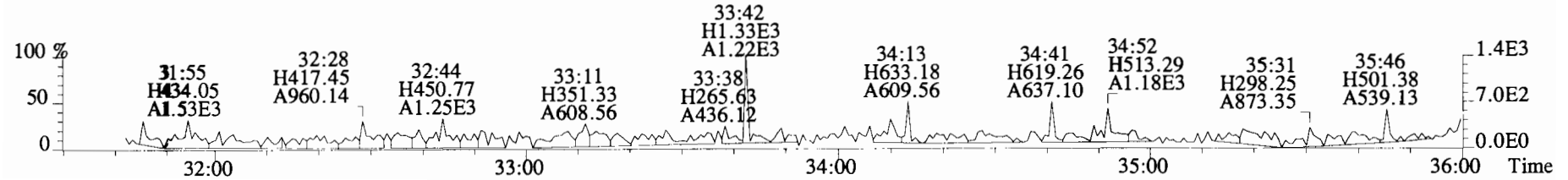
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



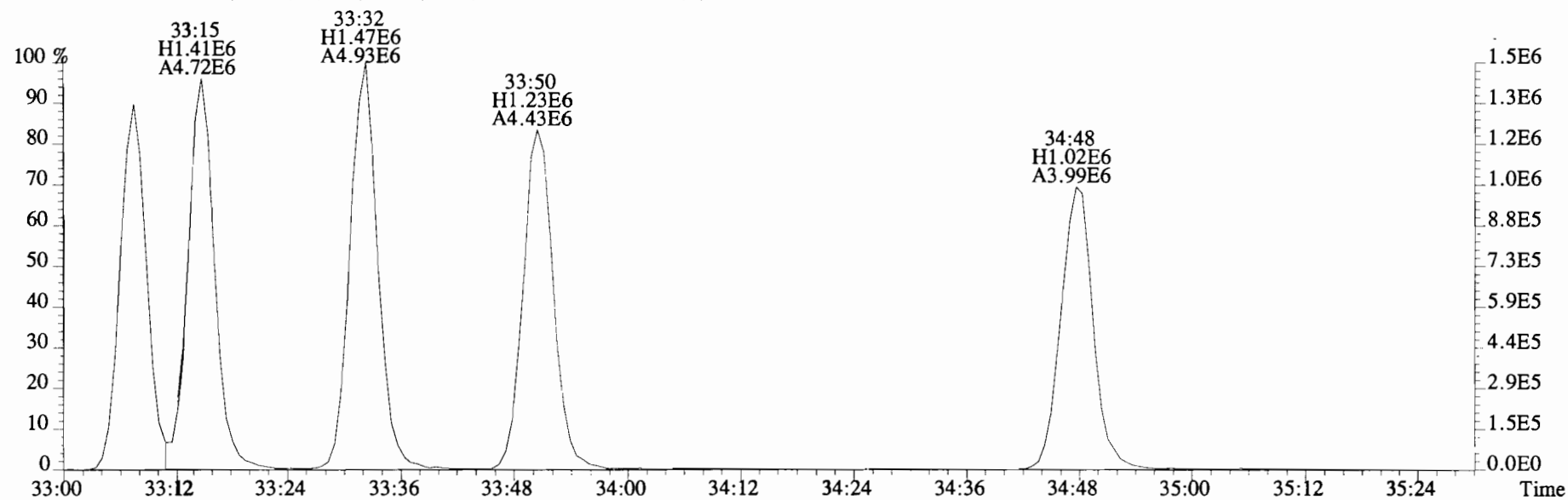
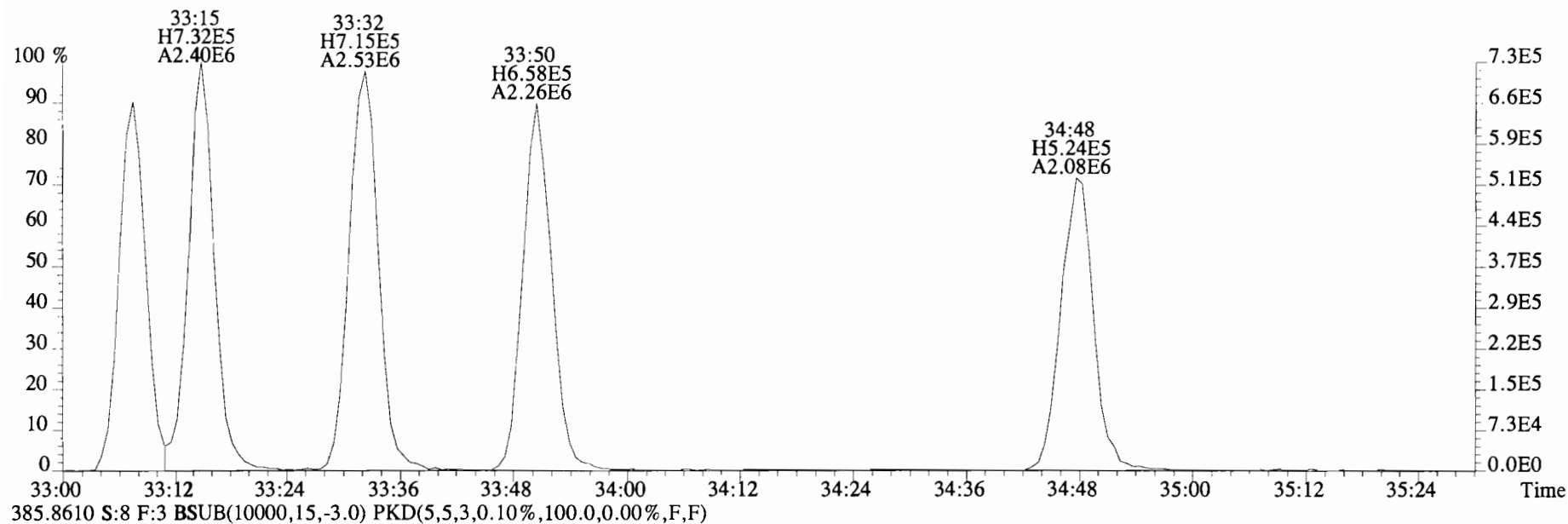
385.8610 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



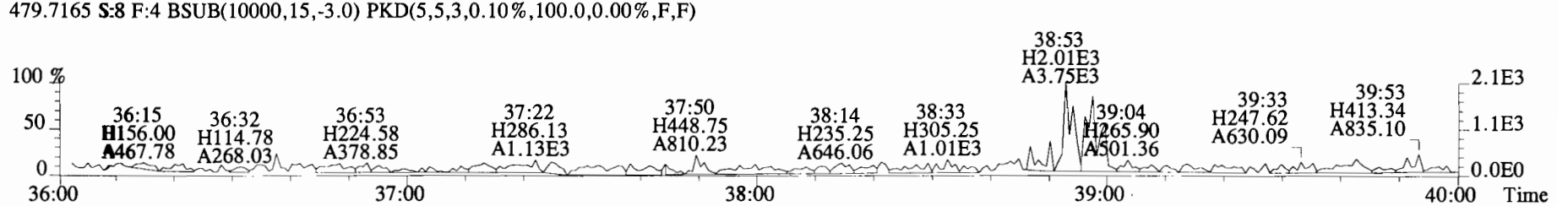
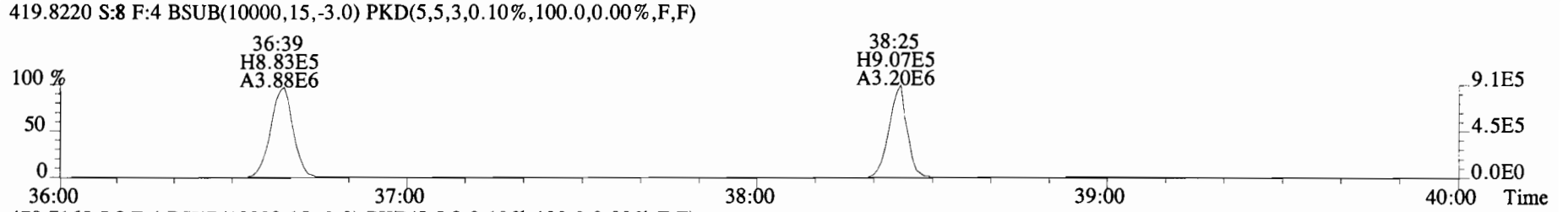
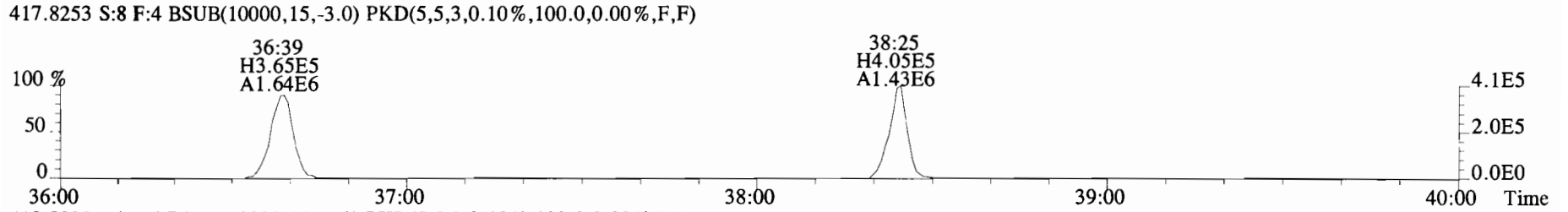
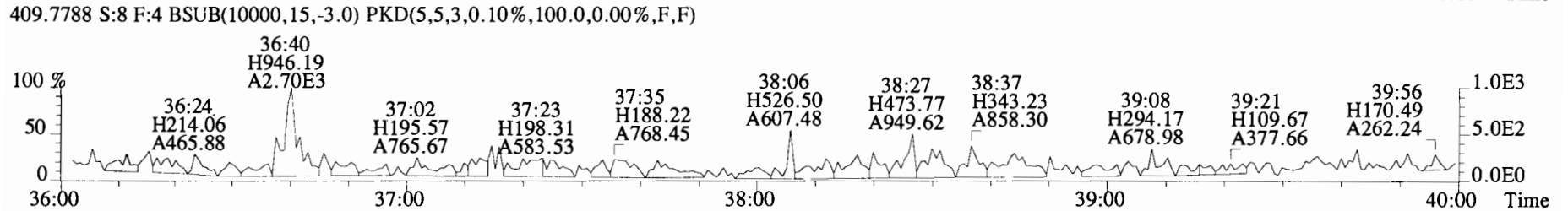
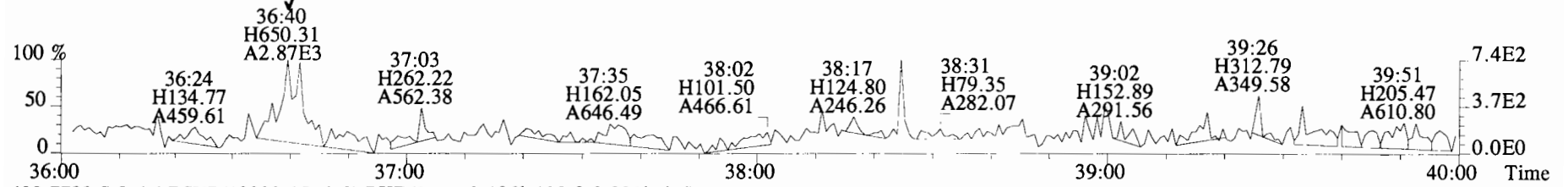
445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



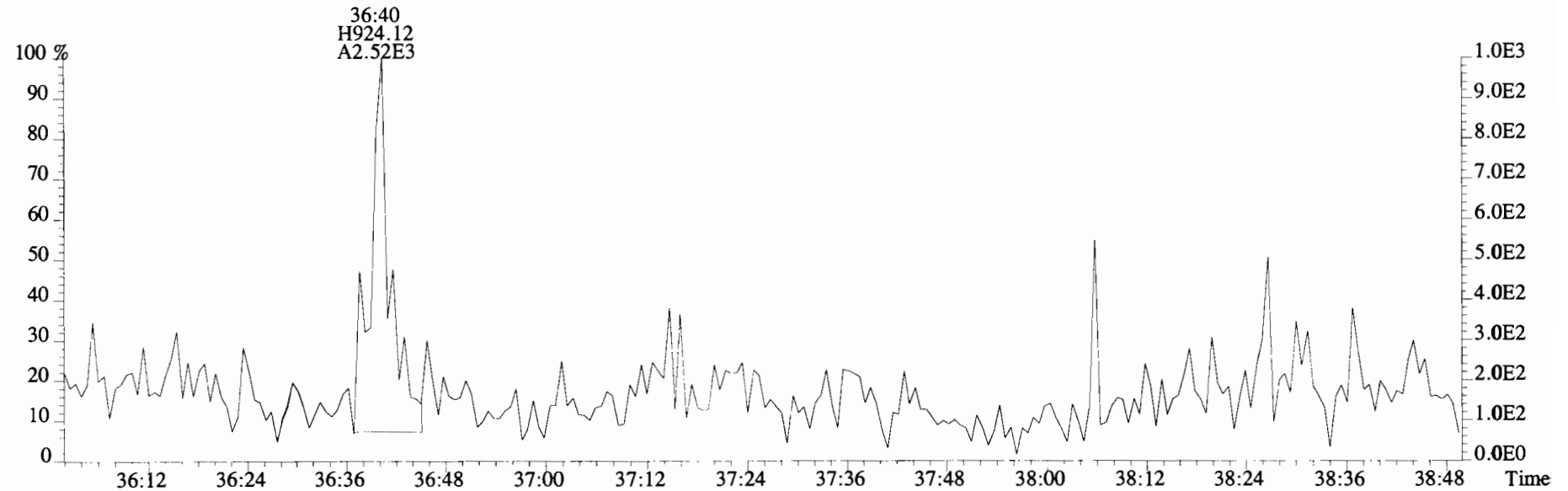
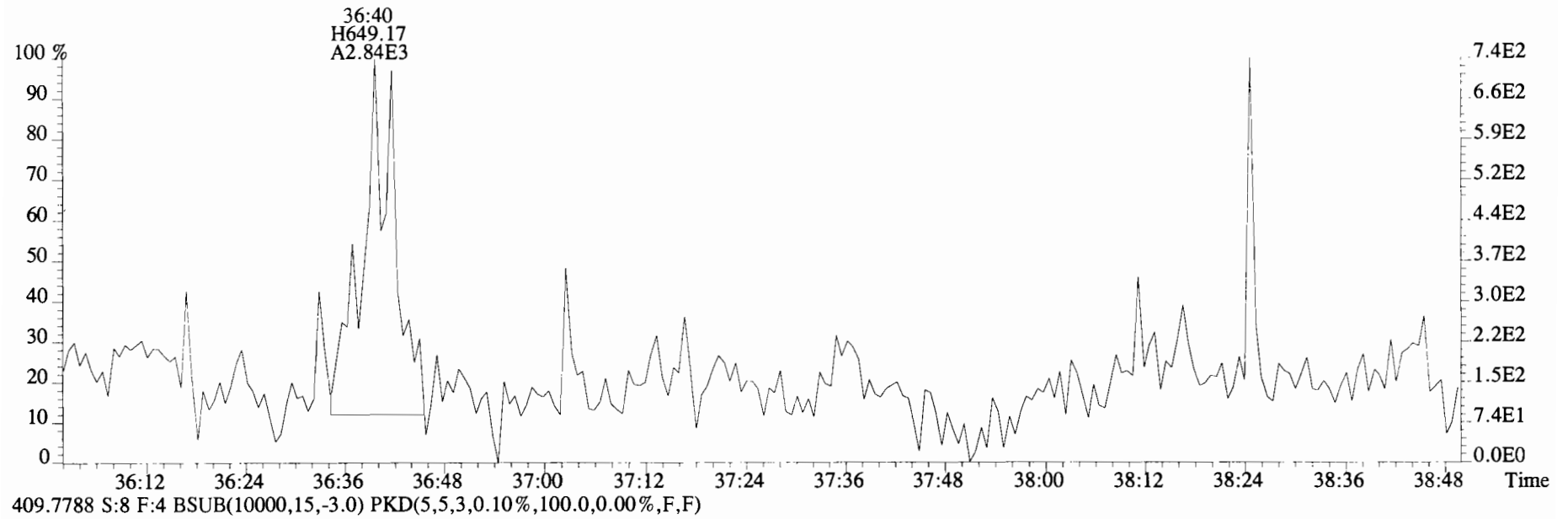
File:191108D1 #1-385 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata Analytical Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



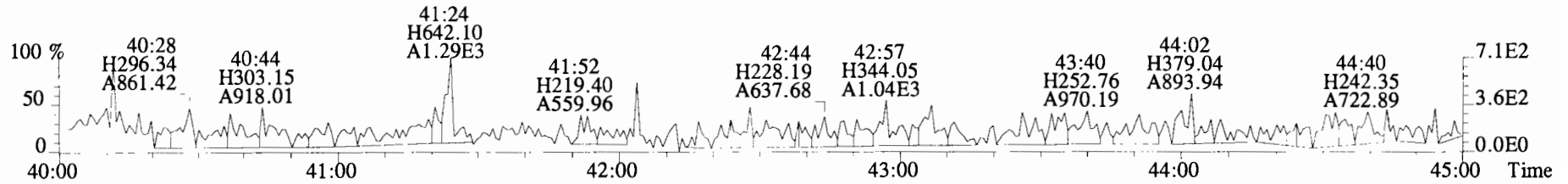
File:191108D1 #1-355 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
 407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



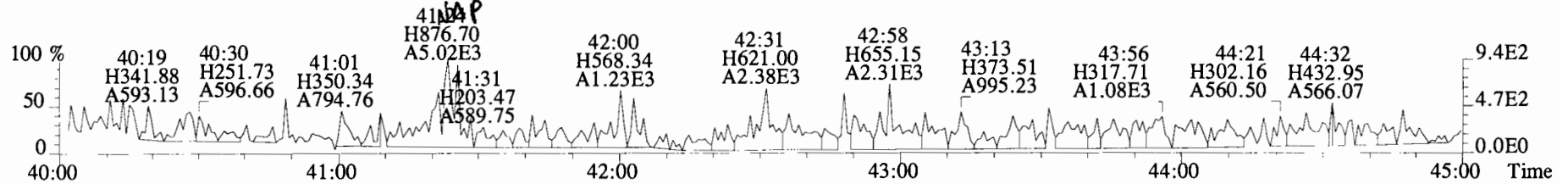
File:191108D1 #1-355 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata Analytical Laboratory VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
407.7818 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



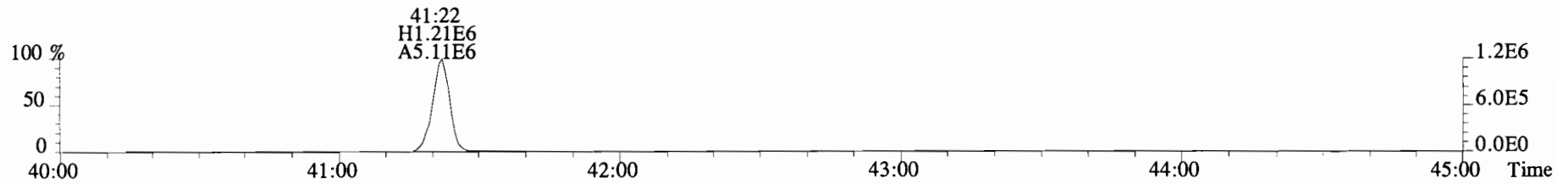
File:191108D1 #1-432 Acq: 8-NOV-2019 17:29:33 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BLK1 Method Blank 10 Exp:OCDD_DB5
441.7428 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



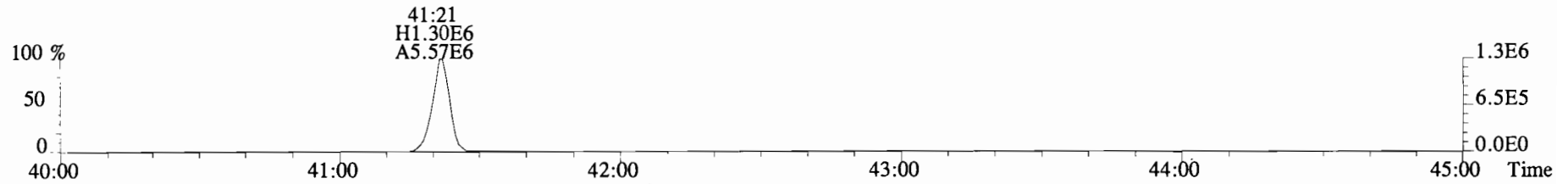
443.7398 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



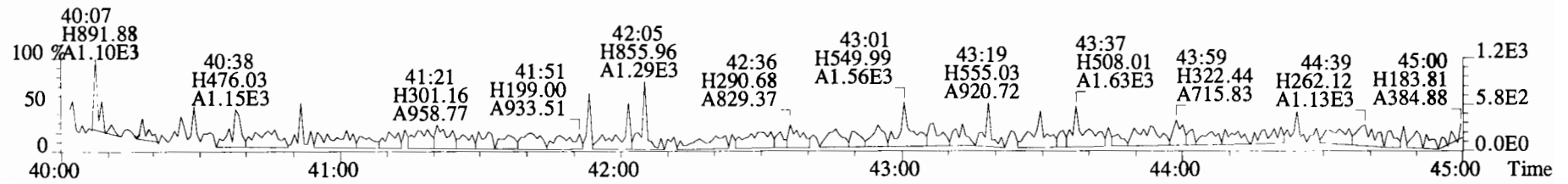
453.7831 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



455.7801 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



513.6775 S:8 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: B9K0011-BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): SOLID OPR Data Filename: 191108D1-4

Ext. Date: Shift: Day Analysis Date: 8-NOV-19 Time: 14:17:51

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	43.9	35.0 - 71.0
1,2,3,4,7,8-HxCDD	50	47.8	35.0 - 82.0
1,2,3,6,7,8-HxCDD	50	49.8	38.0 - 67.0
1,2,3,7,8,9-HxCDD	50	47.8	32.0 - 81.0
1,2,3,4,6,7,8-HpCDD	50	48.1	35.0 - 70.0
OCDD	100	99.7	78.0 - 144.0
2,3,7,8-TCDF	10	8.66	7.5 - 15.8 8.0 - 14.7 (2)
1,2,3,7,8-PeCDF	50	46.2	40.0 - 67.0
2,3,4,7,8-PeCDF	50	46.3	34.0 - 80.0
1,2,3,4,7,8-HxCDF	50	47.1	36.0 - 67.0
1,2,3,6,7,8-HxCDF	50	47.2	42.0 - 65.0
2,3,4,6,7,8-HxCDF	50	49.0	35.0 - 78.0
1,2,3,7,8,9-HxCDF	50	47.5	39.0 - 65.0
1,2,3,4,6,7,8-HpCDF	50	46.7	41.0 - 61.0
1,2,3,4,7,8,9-HpCDF	50	45.0	39.0 - 69.0
OCDF	100	93.9	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: 11/8/19

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

Lab Name: Vista Analytical Laboratory Extraction Batch: B9K0011-BS1

Contract No.: SAS No.:

Matrix (aqueous/solid/leachate): SOLID OPR Data Filename: 191108D1-4

Ext. Date: Shift: Day Analysis Date: 8-NOV-19 Time: 14:17:51

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	78.4	20.0 - 175.0 25.0 - 141.0 (2)
13C-1,2,3,7,8-PeCDD	100	91.9	21.0 - 227.0
13C-1,2,3,4,7,8-HxCDD	100	97.0	21.0 - 193.0
13C-1,2,3,6,7,8-HxCDD	100	83.6	25.0 - 163.0
13C-1,2,3,7,8,9-HxCDD	100	90.7	21.0 - 193.0
13C-1,2,3,4,6,7,8-HpCDD	100	100	26.0 - 166.0
13C-OCDD	200	201	26.0 - 397.0
13C-2,3,7,8-TCDF	100	75.3	22.0 - 152.0 26.0 - 126.0 (2)
13C-1,2,3,7,8-PeCDF	100	88.2	21.0 - 192.0
13C-2,3,4,7,8-PeCDF	100	79.8	13.0 - 328.0
13C-1,2,3,4,7,8-HxCDF	100	93.0	19.0 - 202.0
13C-1,2,3,6,7,8-HxCDF	100	84.1	21.0 - 159.0
13C-2,3,4,6,7,8-HxCDF	100	84.1	22.0 - 176.0
13C-1,2,3,7,8,9-HxCDF	100	91.9	17.0 - 205.0
13C-1,2,3,4,6,7,8-HpCDF	100	90.6	21.0 - 158.0
13C-1,2,3,4,7,8,9-HpCDF	100	102	20.0 - 186.0
13C-OCDF	200	204	26.0 - 397.0
CLEANUP STANDARD			
37Cl-2,3,7,8-TCDD	40	35.1	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: 11/8/19

Client ID: OPR
Lab ID: B9K0011-BS1

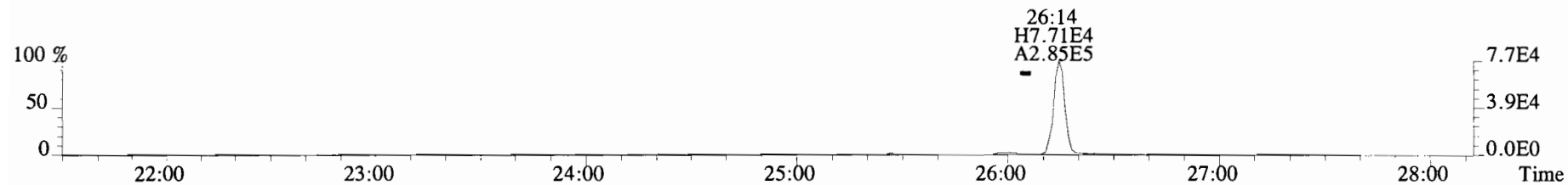
Filename: 191108D1 S:4 Acq: 8-NOV-19 14:17:51
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191108D1-1
EndCAL: NA

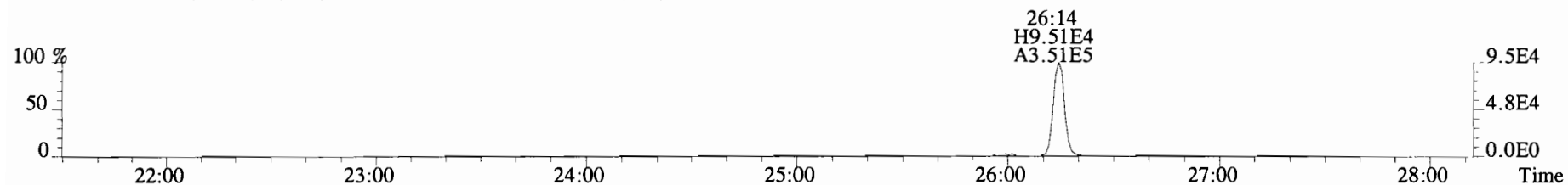
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	6.36e+05	0.81 y	0.91	26:14	10.449		* 2.5		*	Total Tetra-Dioxins	11.0	11.9		*	*
1,2,3,7,8-PeCDD	2.51e+06	0.62 y	0.90	30:43	43.900		* 2.5		*	Total Penta-Dioxins	43.9	44.4		*	*
1,2,3,4,7,8-HxCDD	3.04e+06	1.20 y	1.10	34:01	47.757		* 2.5		*	Total Hexa-Dioxins	145	146		*	*
1,2,3,6,7,8-HxCDD	3.10e+06	1.22 y	0.94	34:07	49.762		* 2.5		*	Total Hepta-Dioxins	48.3	50.0		*	*
1,2,3,7,8,9-HxCDD	3.12e+06	1.20 y	0.96	34:26	47.764		* 2.5		*	Total Tetra-Furans	9.32	10.4		*	*
1,2,3,4,6,7,8-HpCDD	2.86e+06	1.03 y	0.98	37:52	48.101		* 2.5		*	Total Penta-Furans	93.589	94.153		*	*
OCDD	5.16e+06	0.88 y	0.96	41:09	99.661		* 2.5		*	Total Hexa-Furans	191	192		*	*
2,3,7,8-TCDF	8.04e+05	0.78 y	0.95	25:28	8.6600		* 2.5		*	Total Hepta-Furans	91.7	92.9		*	*
1,2,3,7,8-PeCDF	4.20e+06	1.68 y	0.96	29:33	46.244		* 2.5		*						
2,3,4,7,8-PeCDF	3.99e+06	1.71 y	1.01	30:26	46.285		* 2.5		*						
1,2,3,4,7,8-HxCDF	3.98e+06	1.24 y	1.18	33:08	47.117		* 2.5		*						
1,2,3,6,7,8-HxCDF	4.07e+06	1.22 y	1.07	33:16	47.197		* 2.5		*						
2,3,4,6,7,8-HxCDF	4.06e+06	1.20 y	1.11	33:51	48.992		* 2.5		*						
1,2,3,7,8,9-HxCDF	3.56e+06	1.22 y	1.06	34:48	47.463		* 2.5		*						
1,2,3,4,6,7,8-HpCDF	3.35e+06	1.03 y	1.13	36:39	46.681		* 2.5		*						
1,2,3,4,7,8,9-HpCDF	3.17e+06	1.01 y	1.28	38:25	45.019		* 2.5		*						
OCDF	5.81e+06	0.89 y	0.95	41:22	93.930		* 2.5		*						
IS	13C-2,3,7,8-TCDD	6.72e+06	0.75 y	1.10	26:13	78.446				Rec	Qual				
IS	13C-1,2,3,7,8-PeCDD	6.33e+06	0.61 y	0.88	30:42	91.874				78.4					
IS	13C-1,2,3,4,7,8-HxCDD	5.78e+06	1.24 y	0.64	34:01	97.028				91.9					
IS	13C-1,2,3,6,7,8-HxCDD	6.63e+06	1.27 y	0.86	34:07	83.598				97.0					
IS	13C-1,2,3,7,8,9-HxCDD	6.79e+06	1.25 y	0.81	34:25	90.731				83.6					
IS	13C-1,2,3,4,6,7,8-HpCDD	6.07e+06	1.05 y	0.65	37:51	100.01				90.7					
IS	13C-OCDD	1.08e+07	0.90 y	0.58	41:08	200.89				100					
IS	13C-2,3,7,8-TCDF	9.78e+06	0.80 y	1.03	25:27	75.261				100					
IS	13C-1,2,3,7,8-PeCDF	9.46e+06	1.58 y	0.85	29:32	88.231				75.3					
IS	13C-2,3,4,7,8-PeCDF	8.49e+06	1.59 y	0.85	30:26	79.817				88.2					
IS	13C-1,2,3,4,7,8-HxCDF	7.18e+06	0.51 y	0.83	33:07	93.048				79.8					
IS	13C-1,2,3,6,7,8-HxCDF	8.07e+06	0.52 y	1.03	33:15	84.141				93.0					
IS	13C-2,3,4,6,7,8-HxCDF	7.44e+06	0.51 y	0.95	33:50	84.084				84.1					
IS	13C-1,2,3,7,8,9-HxCDF	7.06e+06	0.50 y	0.83	34:48	91.938				84.1					
IS	13C-1,2,3,4,6,7,8-HpCDF	6.36e+06	0.44 y	0.76	36:38	90.566				91.9					
IS	13C-1,2,3,4,7,8,9-HpCDF	5.50e+06	0.44 y	0.58	38:24	102.03				90.6					
IS	13C-OCDF	1.31e+07	0.91 y	0.69	41:21	204.50				102					
C/Up	37C1-2,3,7,8-TCDD	3.29e+06		1.20	26:14	35.104				618					
RS/RT	13C-1,2,3,4-TCDD	7.82e+06	0.79 y	1.00	25:40	100.00									
RS	13C-1,2,3,4-TCDF	1.26e+07	0.81 y	1.00	24:15	100.00									
RS/RT	13C-1,2,3,4,6,9-HxCDF	9.28e+06	0.51 y	1.00	33:32	100.00									

Integrations
by
Analyst: DB
Reviewed
by
Analyst: CT
Date: 11/8/19
Date: 12/20/19

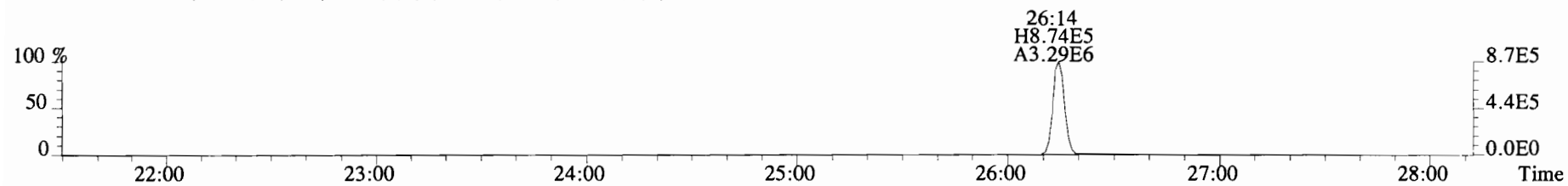
File:191108D1 #1-493 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



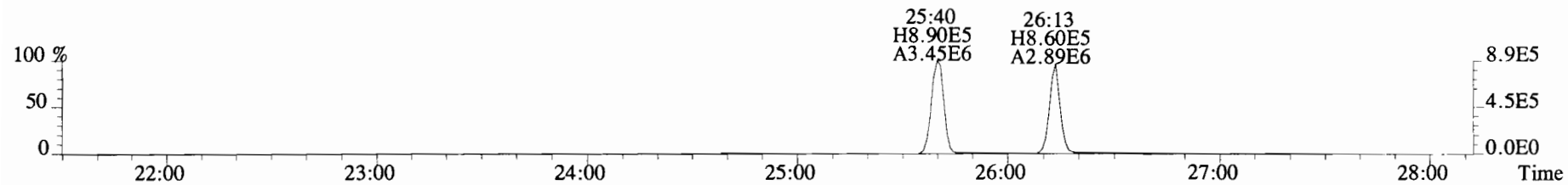
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



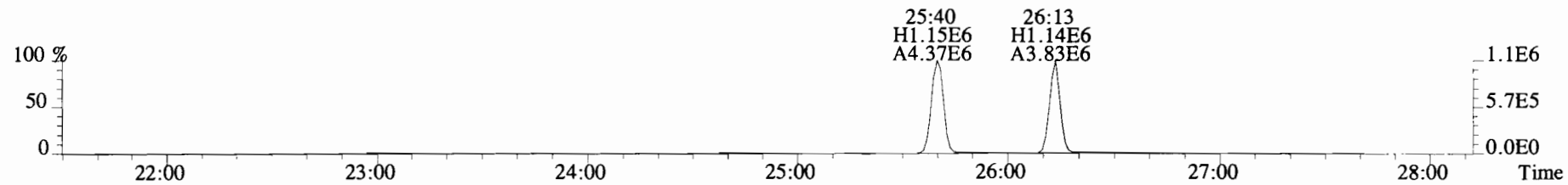
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



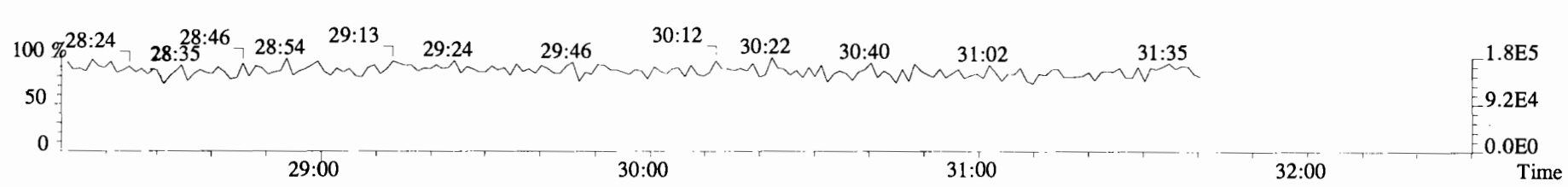
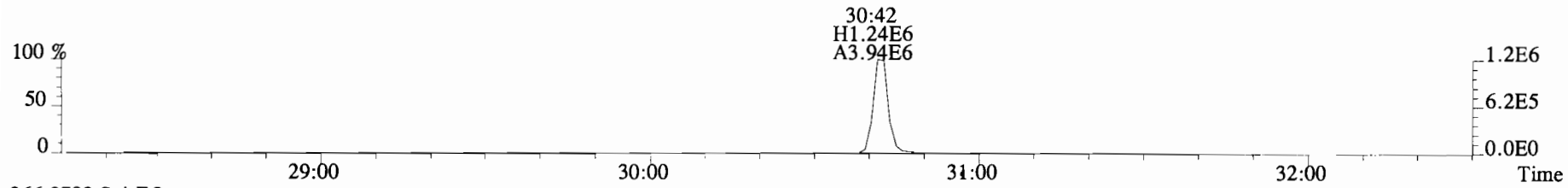
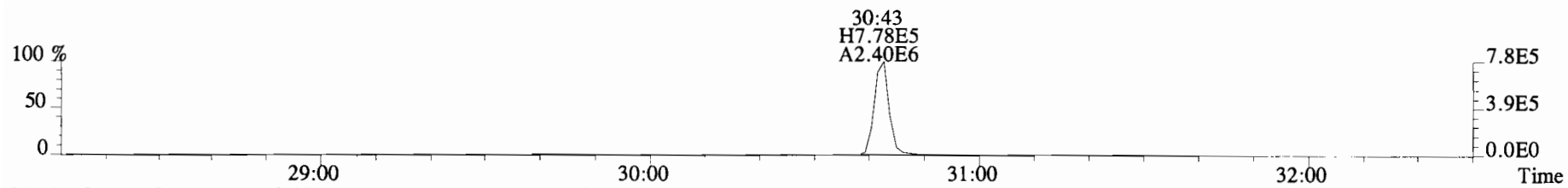
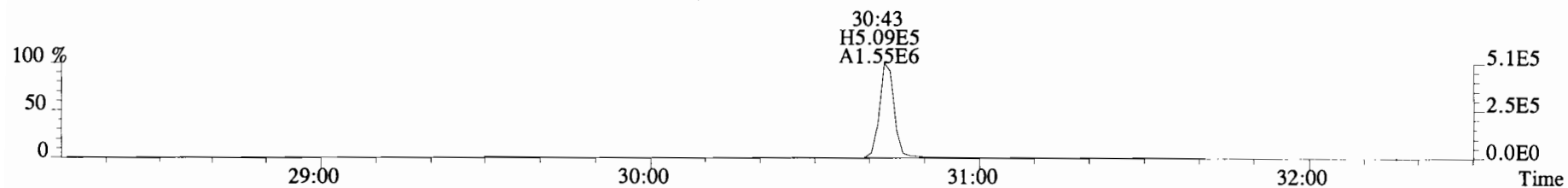
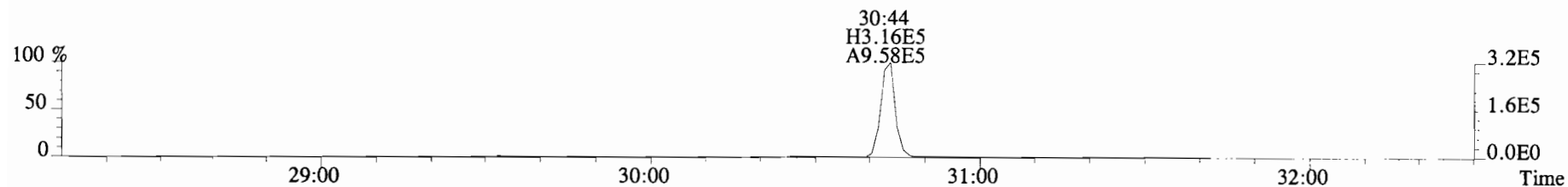
331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



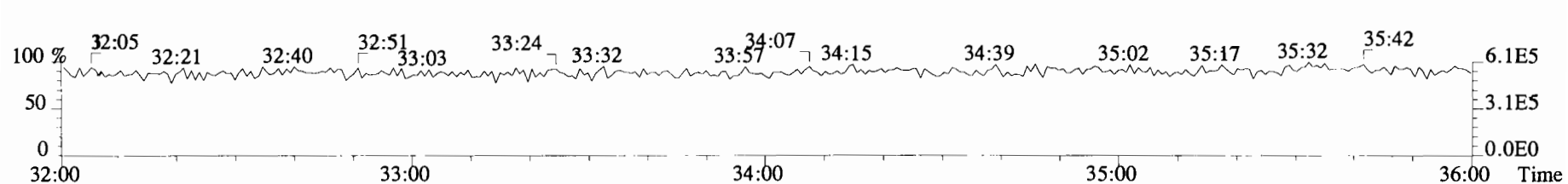
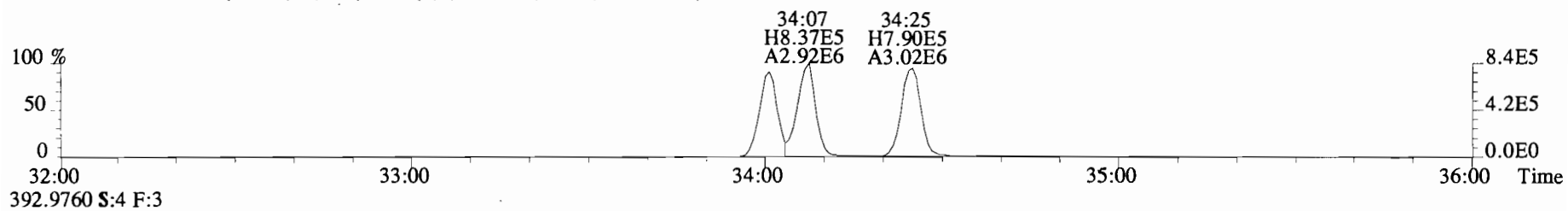
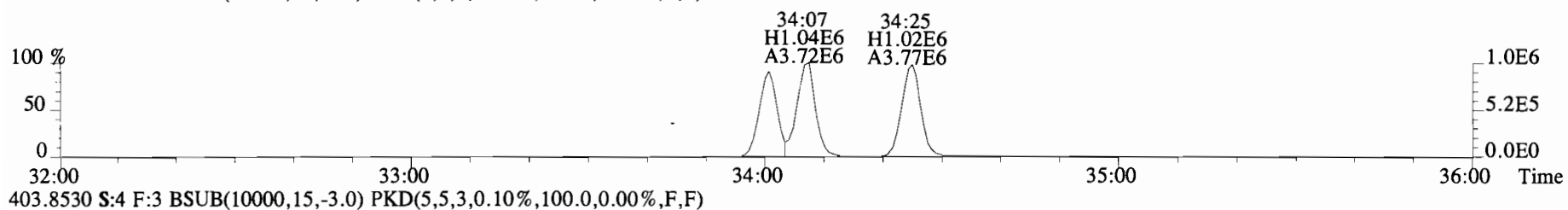
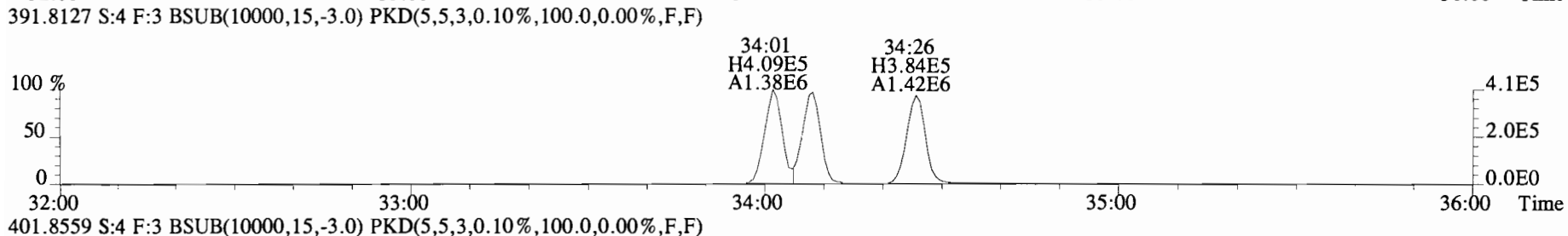
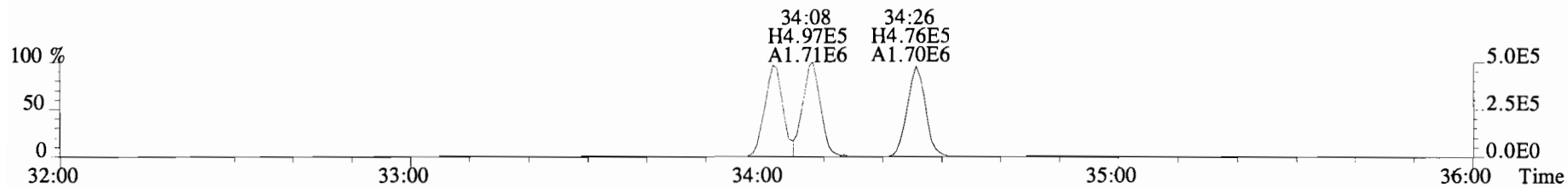
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



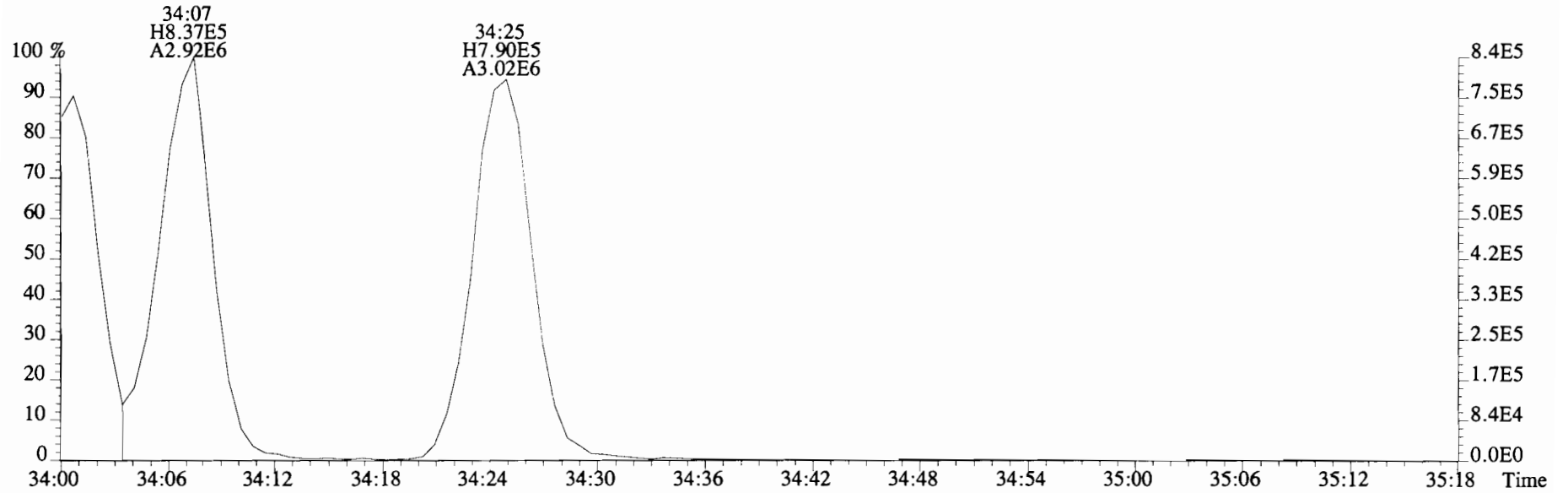
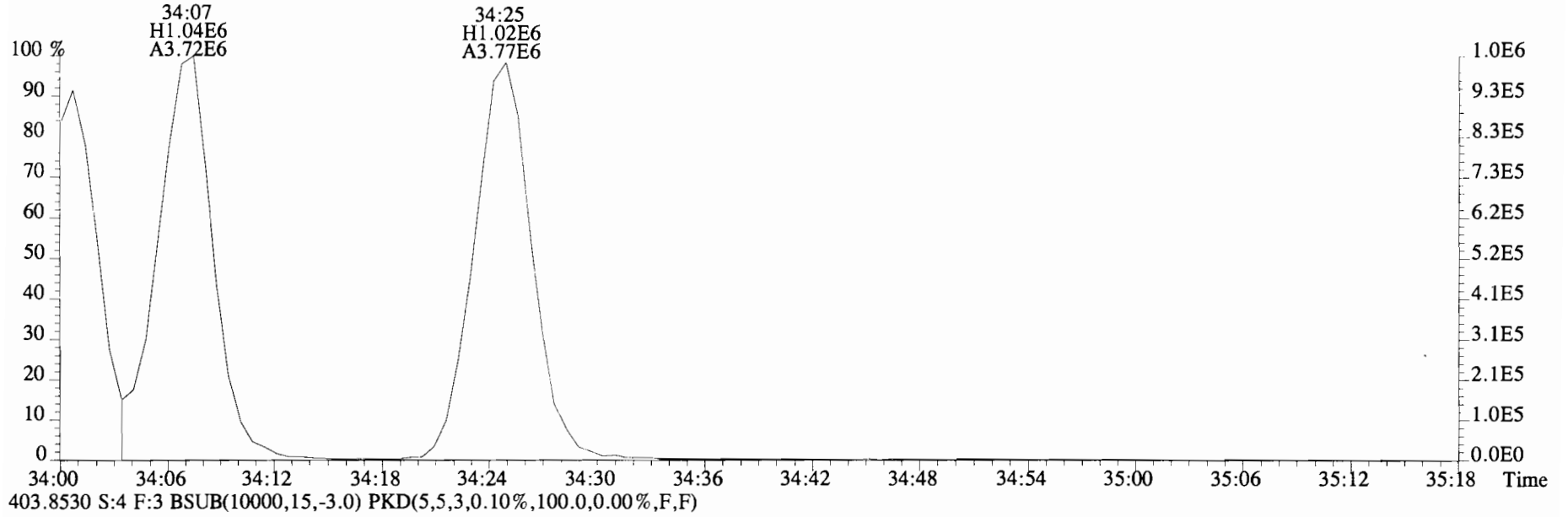
File:191108D1 #1-211 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
353.8576 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



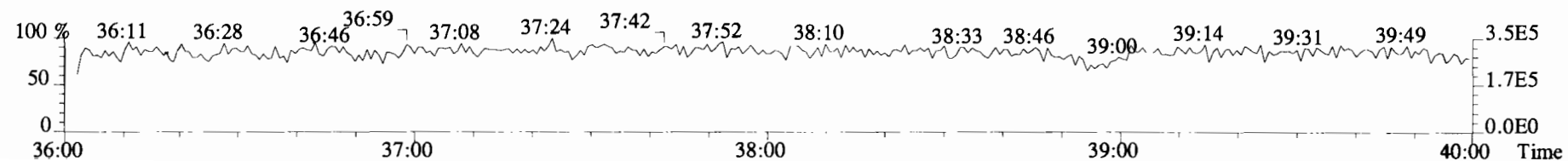
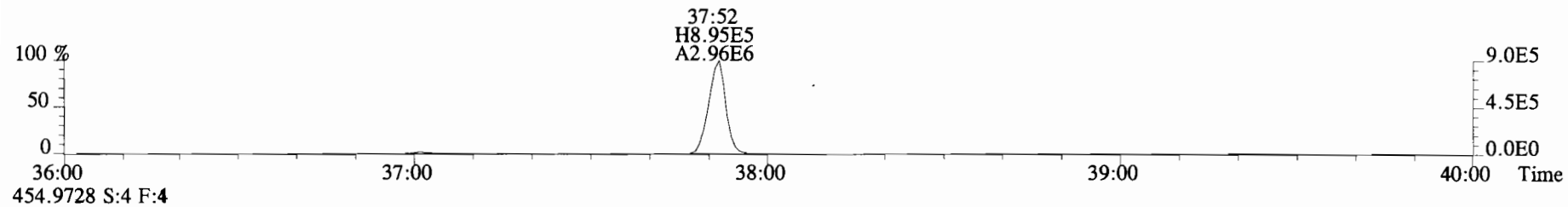
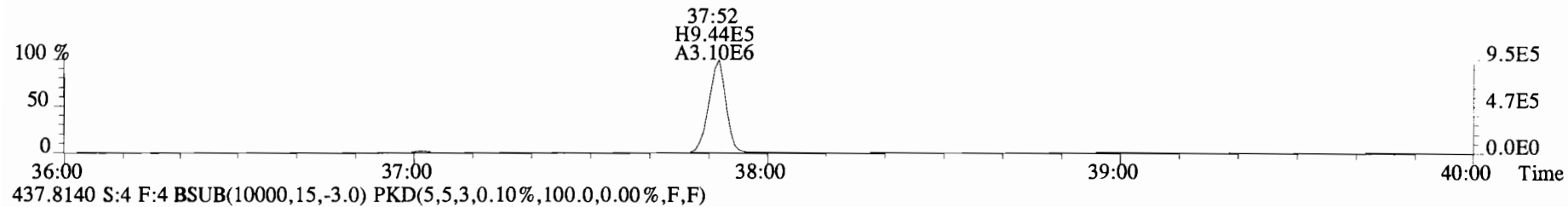
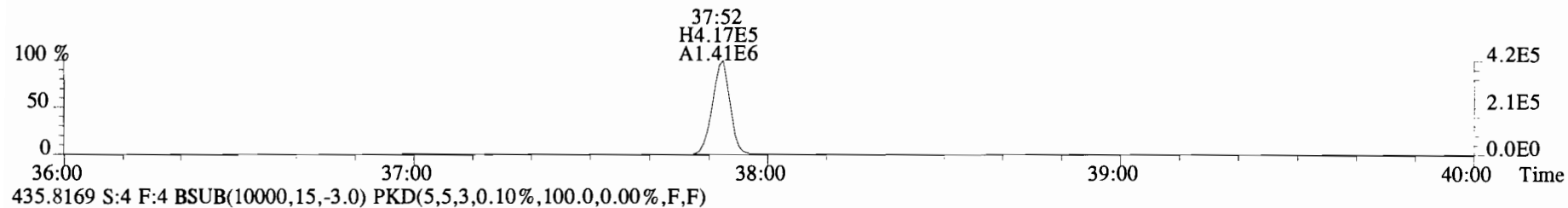
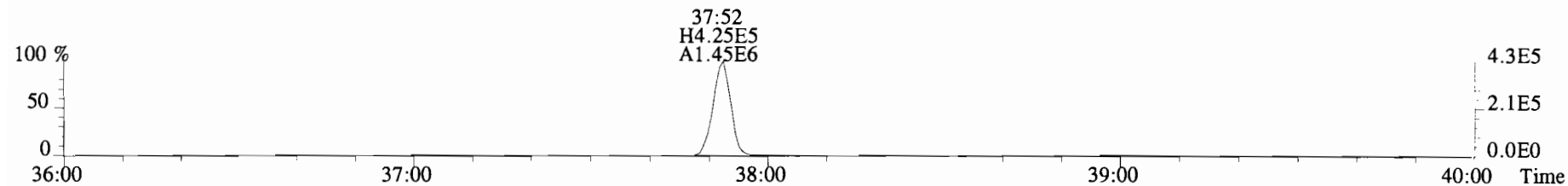
File:191108D1 #1-385 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



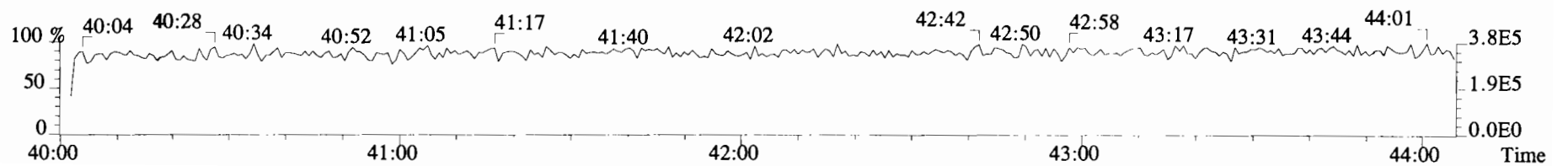
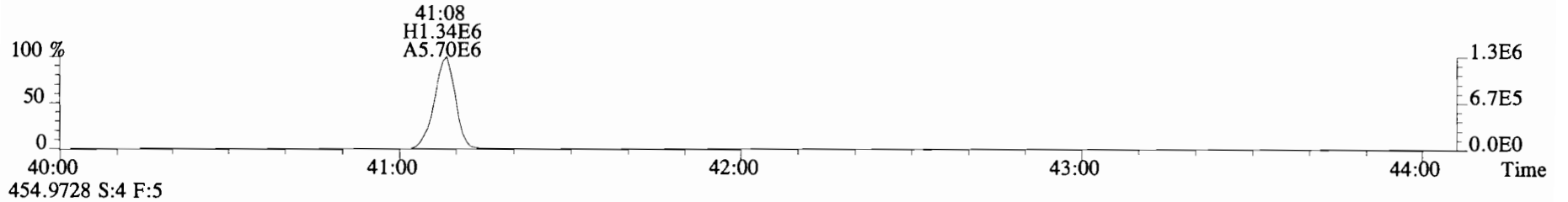
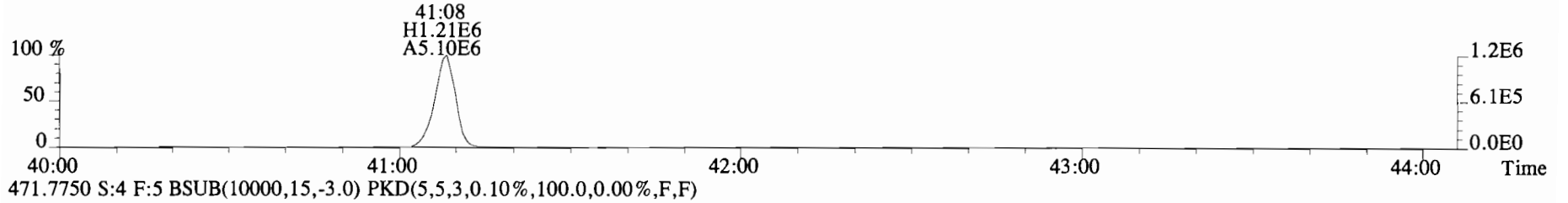
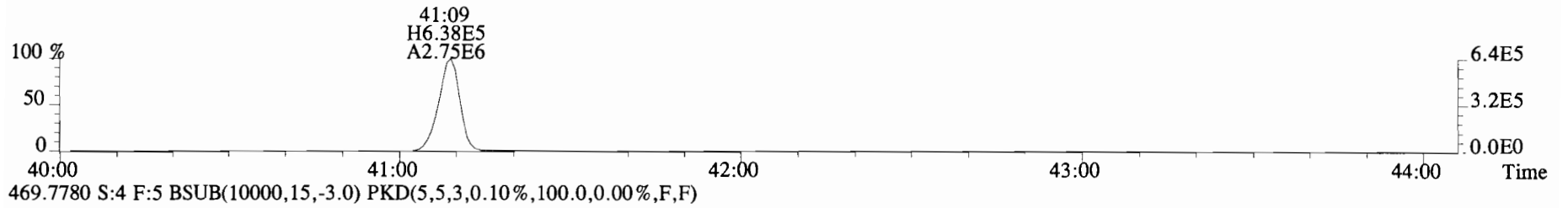
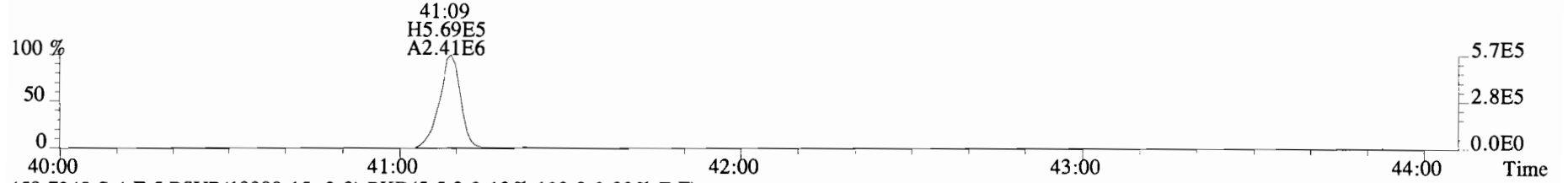
File:191108D1 #1-385 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



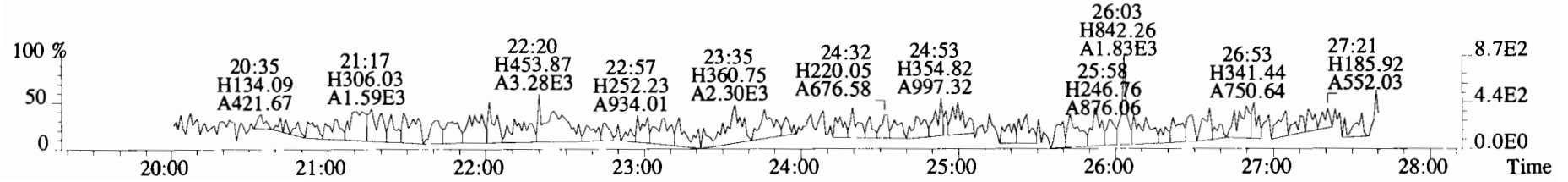
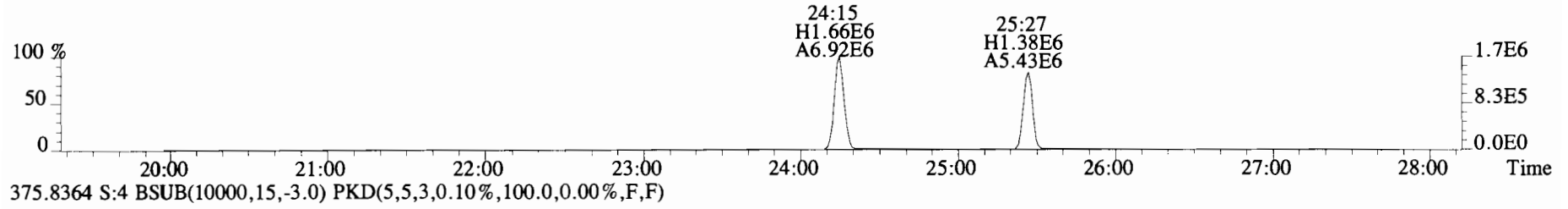
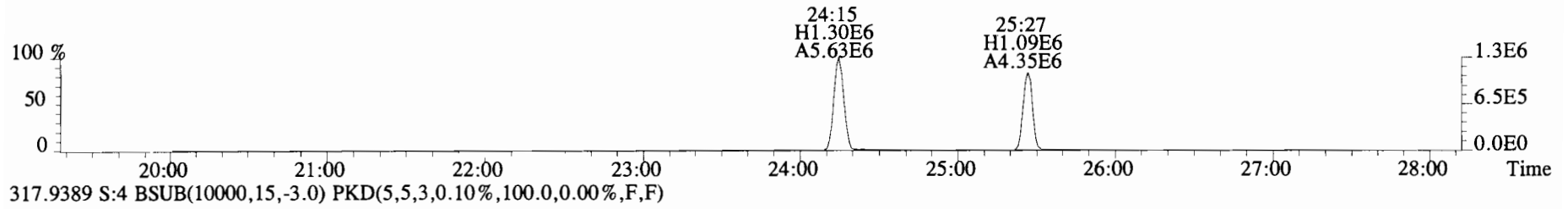
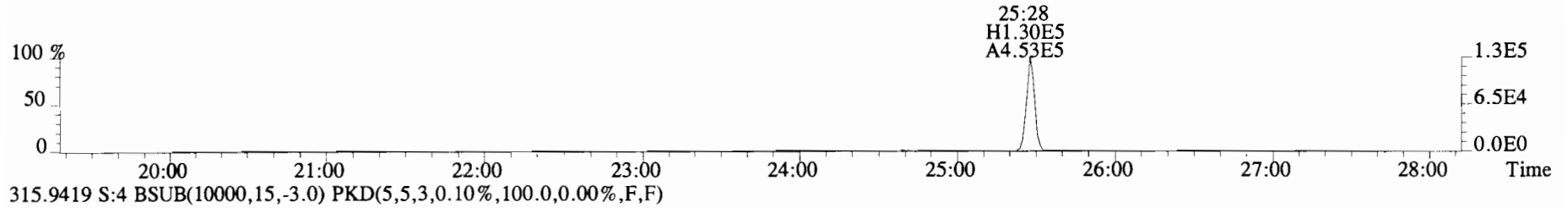
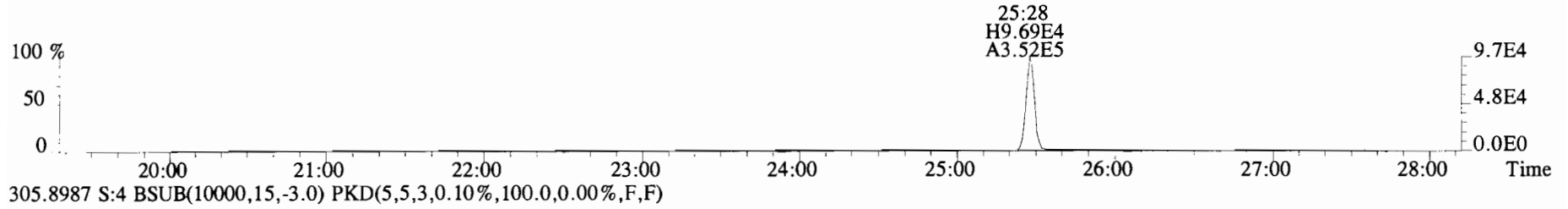
File:191108D1 #1-355 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



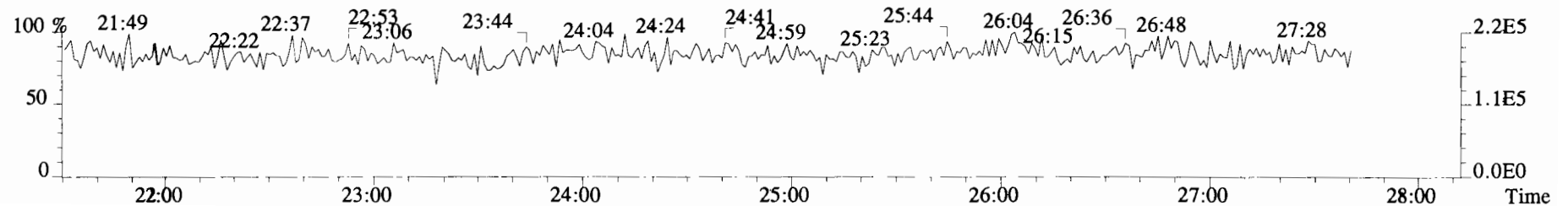
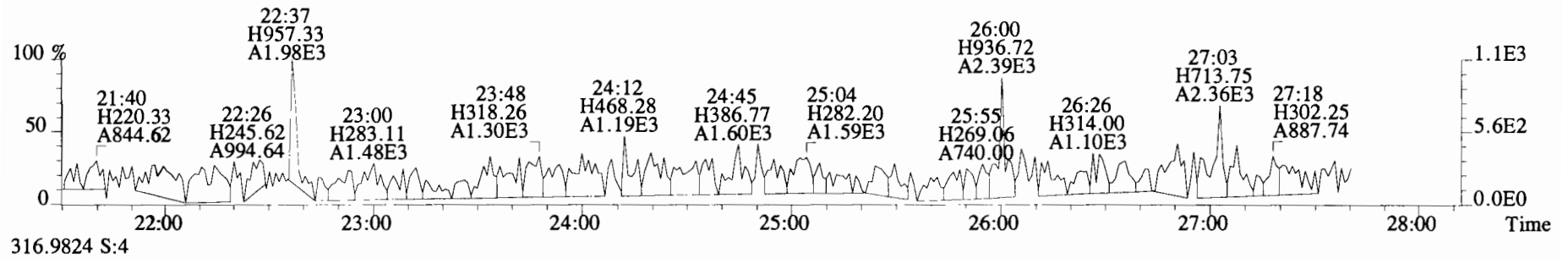
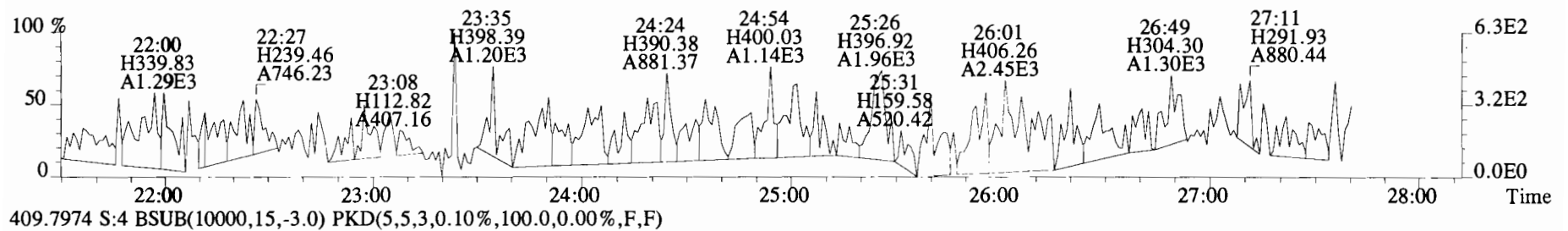
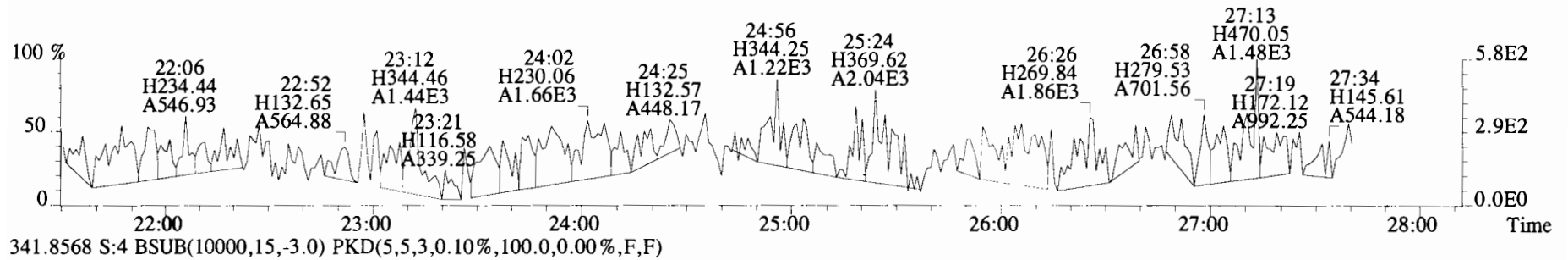
File:191108D1 #1-432 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



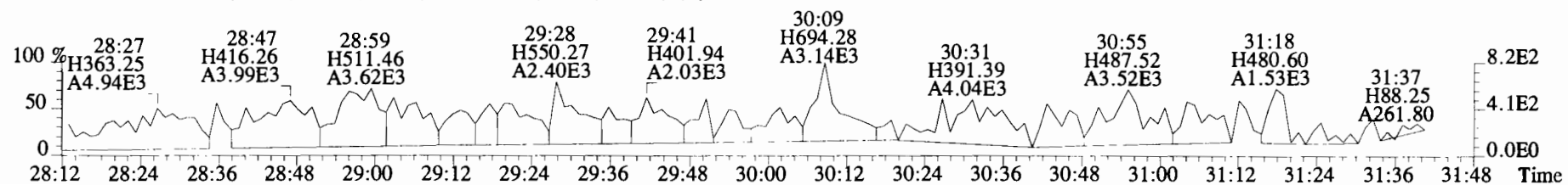
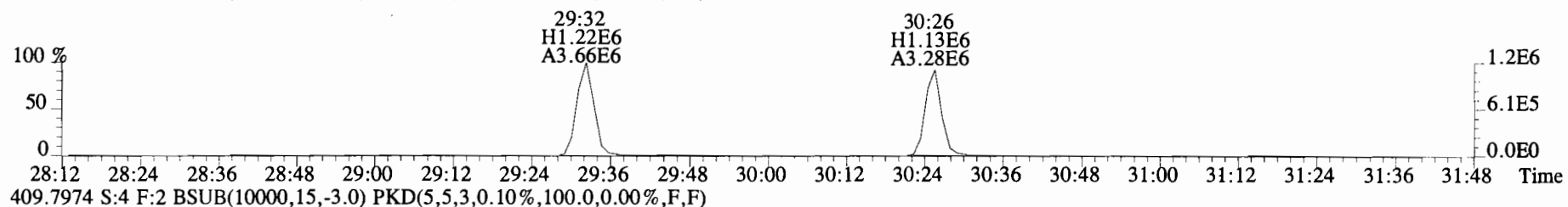
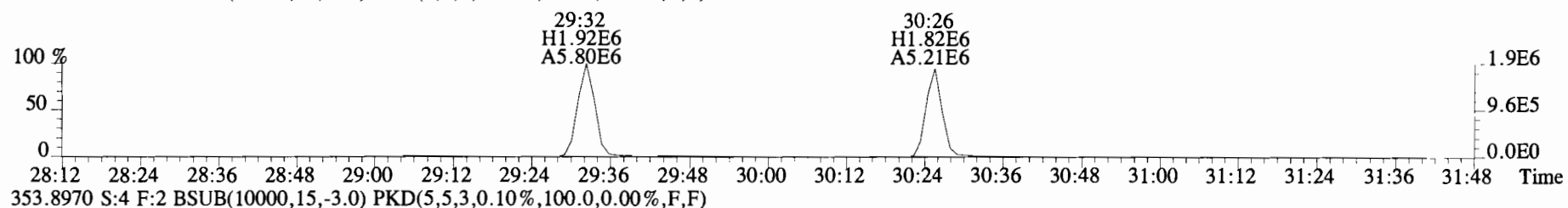
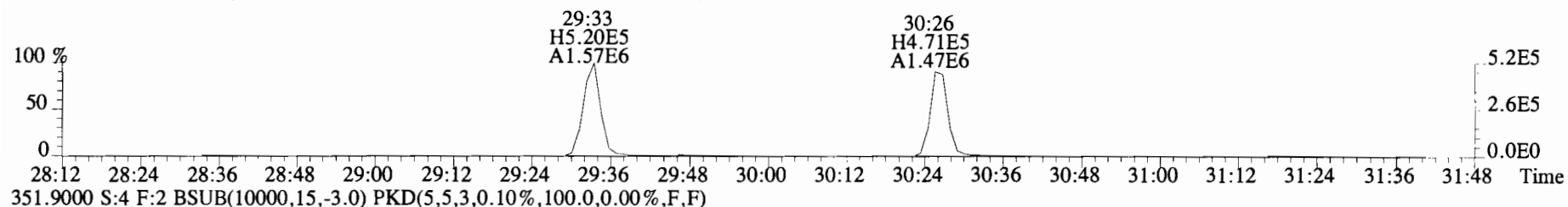
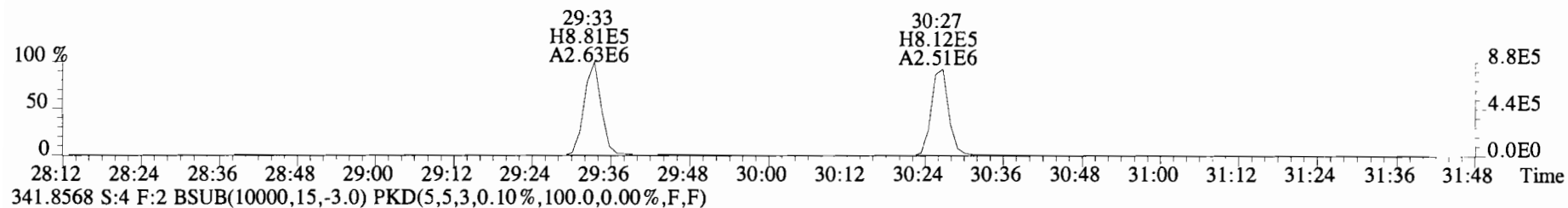
File:191108D1 #1-493 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



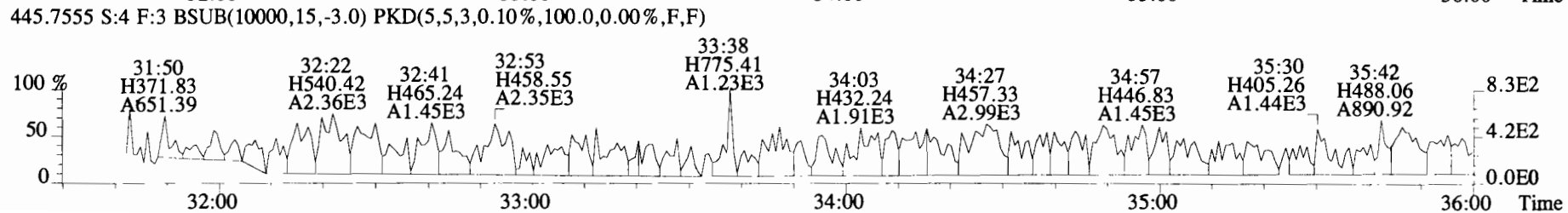
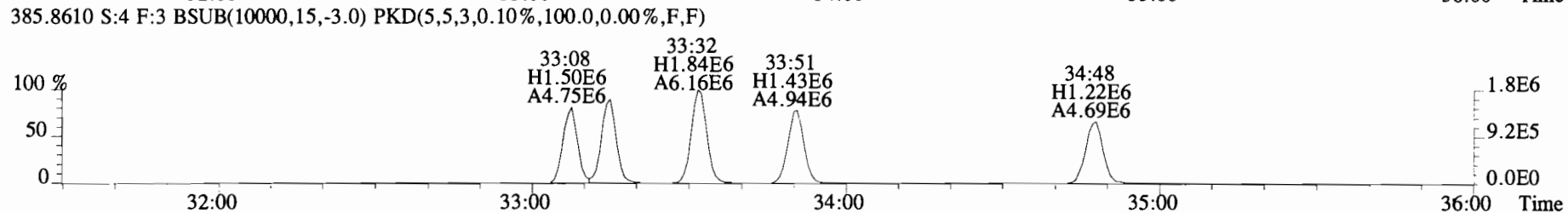
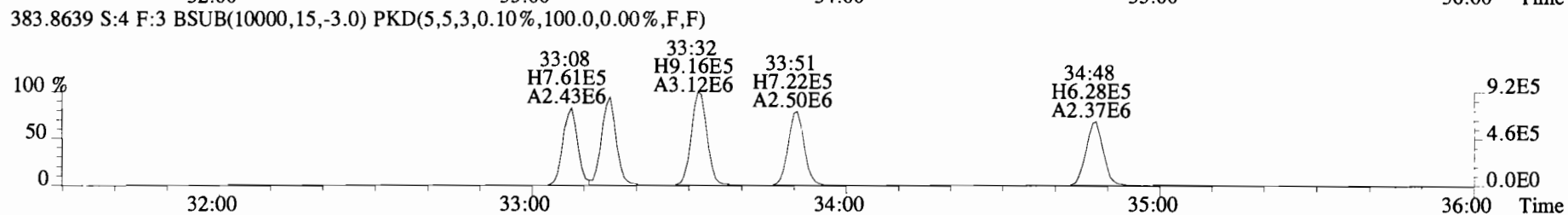
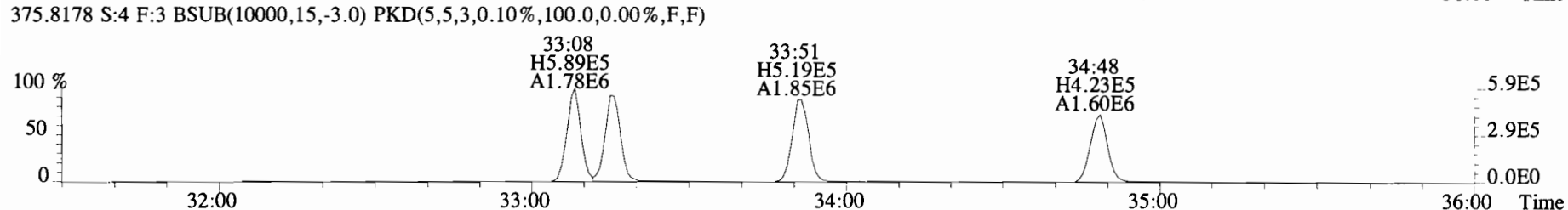
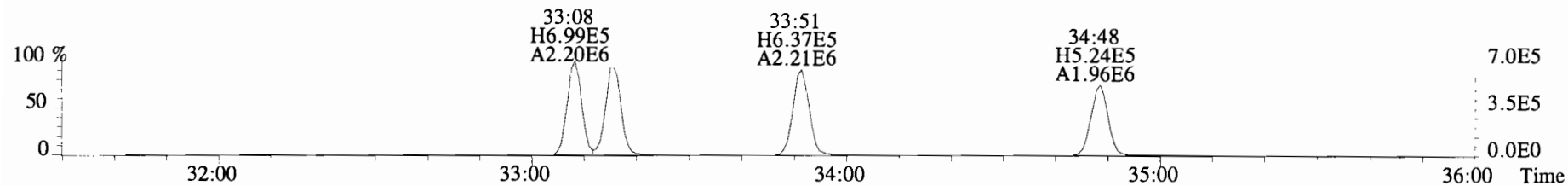
File:191108D1 #1-493 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
 339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



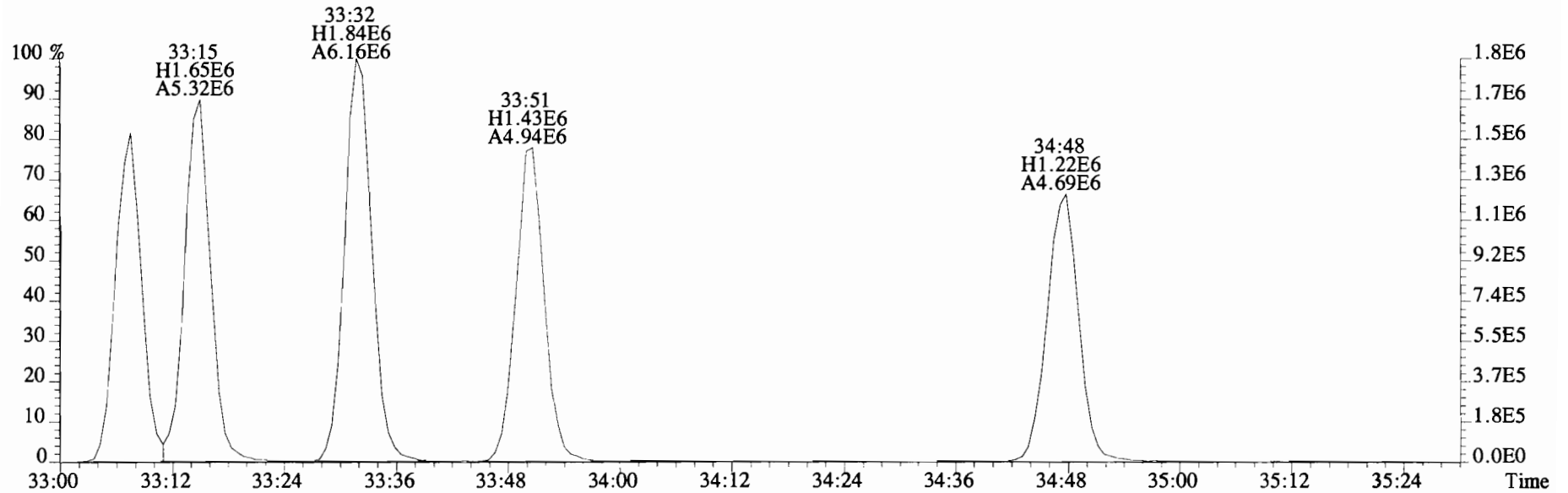
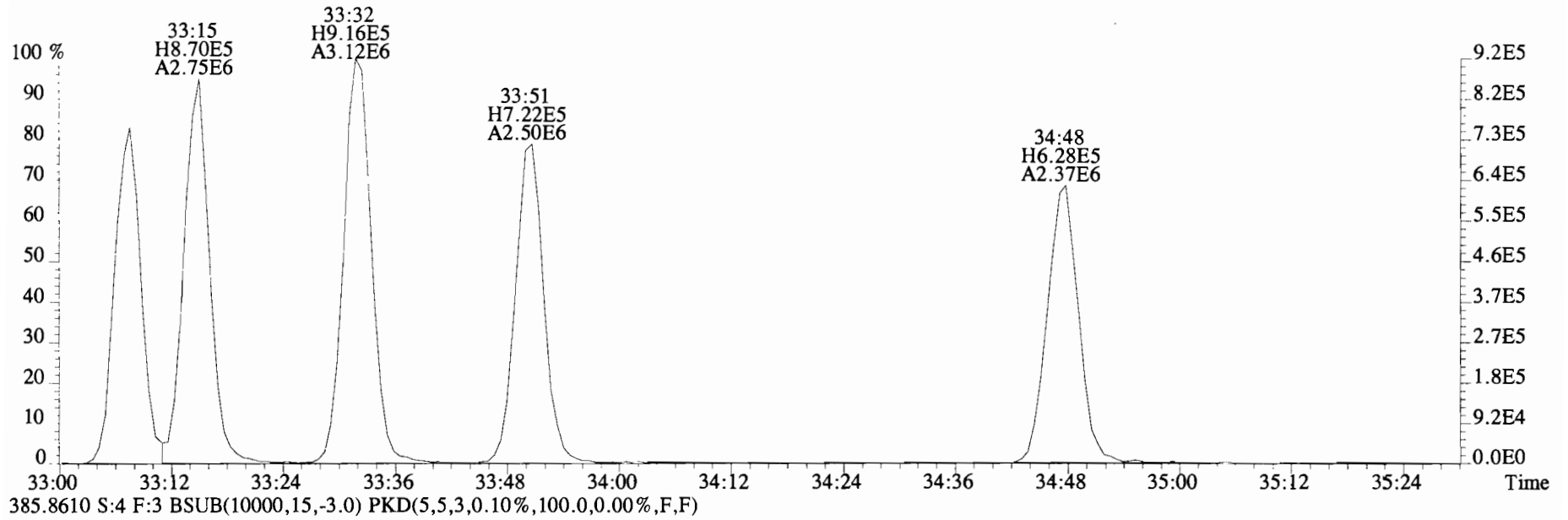
File:191108D1 #1-211 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
 339.8597 S:4 F:2 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



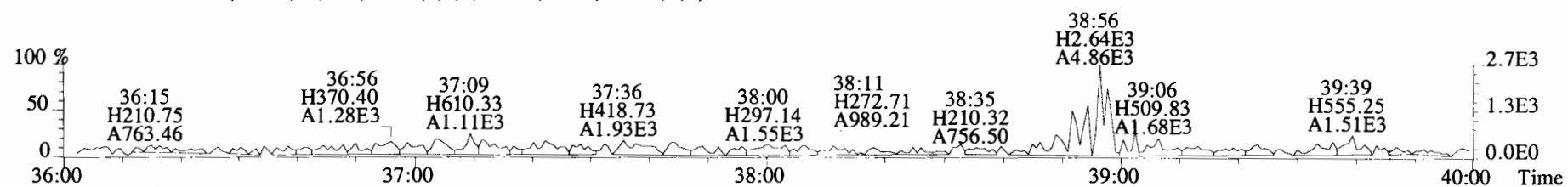
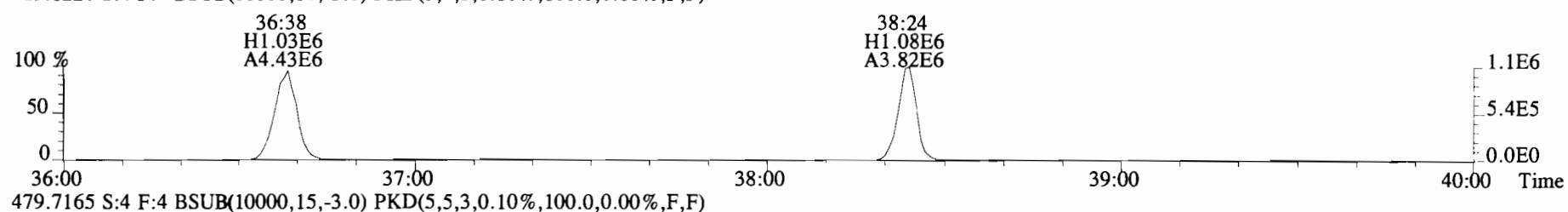
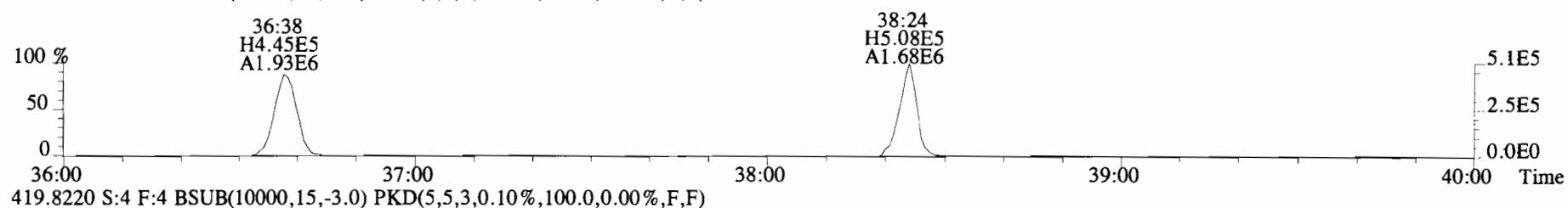
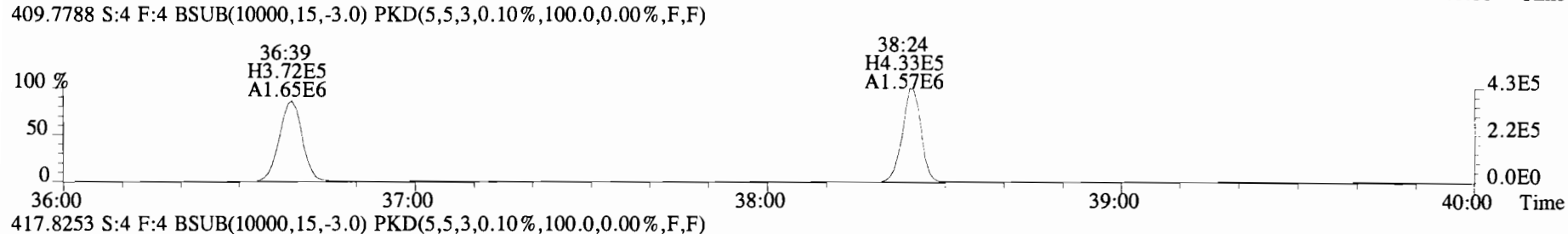
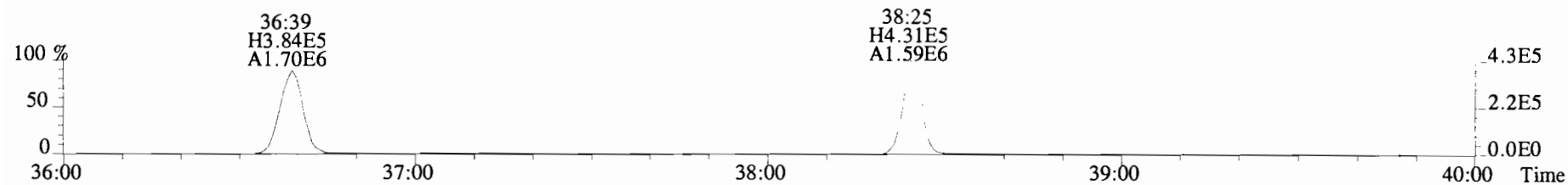
File:191108D1 #1-385 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
 373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



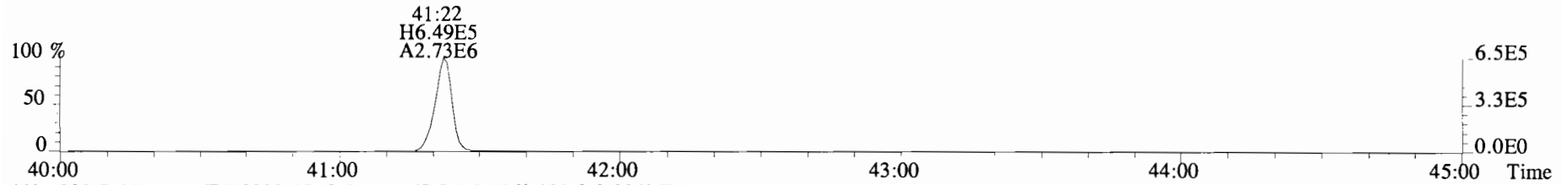
File:191108D1 #1-385 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata Analytical Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



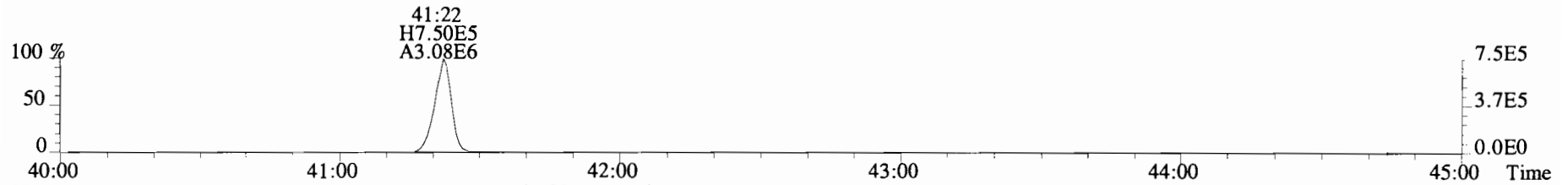
File:191108D1 #1-355 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
 407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



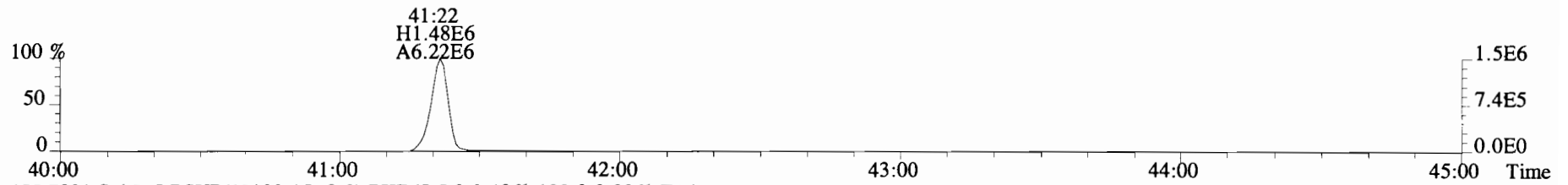
File:191108D1 #1-432 Acq: 8-NOV-2019 14:17:51 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Viata_Analytical_Laboratory_VG7 Text:B9K0011-BS1 OPR 10 Exp:OCDD_DB5
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



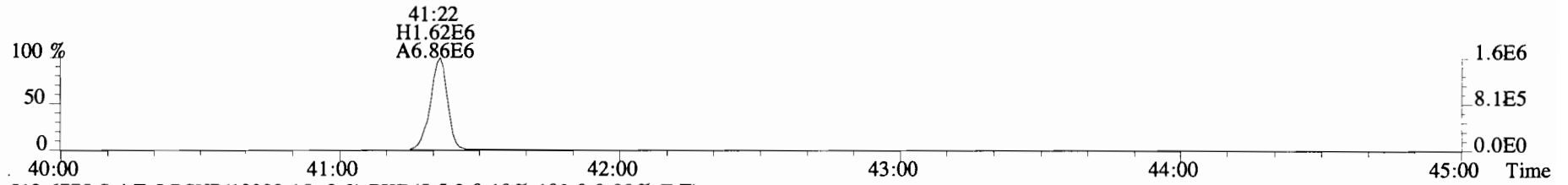
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



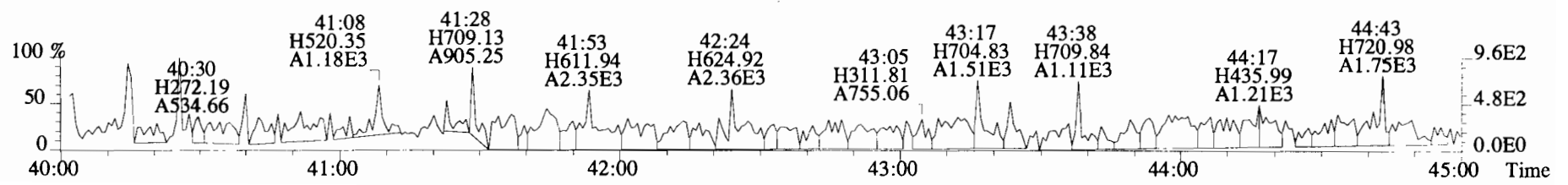
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



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)



Dataset: U:\VG11.PRO\Results\191217K3\191217K3-16.qld

Last Altered: Friday, December 20, 2019 12:22:59 Pacific Standard Time

Printed: Friday, December 20, 2019 12:25:06 Pacific Standard Time

EL 12/20/19

CT 12/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

#	Name	Abs.Resp	RA	n/y	RRF	wL/vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.925	10.766	26.20		1.00		YES			0.168	
2	1,2,3,7,8-PeCDD				0.905	10.766	31.33		1.00		YES			0.150	
3	1,2,3,4,7,8-HxCDD				1.07	10.766	34.67		1.00		YES			0.343	
4	1,2,3,6,7,8-HxCDD				0.967	10.766	34.76		1.00		YES			0.304	
5	1,2,3,7,8,9-HxCDD				0.978	10.766	35.07		1.00		YES			0.347	
6	1,2,3,4,6,7,8-HpCDD	1042.358	1.069	NO	1.04	10.766	38.55	38.58	1.00	1.00	NO	1.328		0.329	1.328
7	OCDD	8961.606	0.929	NO	0.972	10.766	41.81	41.81	1.00	1.00	NO	12.80		0.936	12.80
8	2,3,7,8-TCDF				0.938	10.766	25.20		1.00		YES			0.0736	
9	1,2,3,7,8-PeCDF				0.976	10.766	30.02		1.00		YES			0.0497	
10	2,3,4,7,8-PeCDF				1.00	10.766	31.02		1.00		YES			0.0438	
11	1,2,3,4,7,8-HxCDF				1.24	10.766	33.79		1.00		YES			0.0402	
12	1,2,3,6,7,8-HxCDF				1.10	10.766	33.92		1.00		YES			0.0412	
13	2,3,4,6,7,8-HxCDF				1.18	10.766	34.52		1.00		YES			0.0455	
14	1,2,3,7,8,9-HxCDF				1.07	10.766	35.37		1.00		YES			0.0680	
15	1,2,3,4,6,7,8-HpCDF				1.13	10.766	37.15		1.00		YES			0.0838	
16	1,2,3,4,7,8,9-HpCDF				1.26	10.766	39.15		1.00		YES			0.120	
17	OCDF				1.10	10.766	42.00		1.00		YES			0.127	
18	13C-2,3,7,8-TCDD	289392.727	0.760	NO	1.05	10.766	26.16	26.17	1.03	1.03	NO	180.3	97.1	0.648	
19	13C-1,2,3,7,8-PeCDD	218074.751	0.646	NO	0.743	10.766	31.31	31.31	1.23	1.23	NO	191.9	103	0.880	
20	13C-1,2,3,4,7,8-HxCDD	165251.312	1.356	NO	0.646	10.766	34.65	34.66	1.01	1.01	NO	138.9	74.8	0.679	
21	13C-1,2,3,6,7,8-HxCDD	233735.812	1.222	NO	0.777	10.766	34.75	34.76	1.02	1.02	NO	163.5	88.0	0.565	
22	13C-1,2,3,7,8,9-HxCDD	199965.304	1.210	NO	0.659	10.766	35.02	35.03	1.02	1.03	NO	164.7	88.7	0.666	
23	13C-1,2,3,4,6,7,8-HpCDD	140496.476	1.028	NO	0.534	10.766	38.52	38.54	1.13	1.13	NO	142.9	76.9	0.893	
24	13C-OCDD	267712.086	0.913	NO	0.470	10.766	41.80	41.81	1.22	1.22	NO	309.2	83.2	1.77	
25	13C-2,3,7,8-TCDF	450546.156	0.748	NO	0.977	10.766	25.17	25.17	0.99	0.99	NO	161.8	87.1	0.622	
26	13C-1,2,3,7,8-PeCDF	326497.906	1.569	NO	0.778	10.766	30.00	30.00	1.18	1.18	NO	147.3	79.3	1.03	
27	13C-2,3,4,7,8-PeCDF	341061.687	1.651	NO	0.750	10.766	30.99	30.99	1.22	1.22	NO	159.6	85.9	1.07	
28	13C-1,2,3,4,7,8-HxCDF	255978.243	0.512	NO	0.845	10.766	33.79	33.79	0.99	0.99	NO	164.5	88.6	1.44	
29	13C-1,2,3,6,7,8-HxCDF	315601.563	0.550	NO	1.03	10.766	33.90	33.91	0.99	0.99	NO	167.0	89.9	1.19	
30	13C-2,3,4,6,7,8-HxCDF	270121.688	0.556	NO	0.893	10.766	34.48	34.48	1.01	1.01	NO	164.3	88.5	1.36	

Dataset: U:\VG11.PRO\Results\191217K3\191217K3-16.qld

Last Altered: Friday, December 20, 2019 12:22:59 Pacific Standard Time

Printed: Friday, December 20, 2019 12:25:06 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 13C-1,2,3,7,8,9-HxCDF	238133.891	0.522	NO	0.734	10.766	35.38	35.37	1.04	1.03	NO	176.2	94.8	1.66	
32	32 13C-1,2,3,4,6,7,8-HpCDF	215898.929	0.448	NO	0.754	10.766	37.09	37.12	1.09	1.09	NO	155.5	83.7	1.03	
33	33 13C-1,2,3,4,7,8,9-HpCDF	146133.824	0.438	NO	0.539	10.766	39.12	39.15	1.14	1.15	NO	147.3	79.3	1.45	
34	34 13C-OCDF	370829.437	0.882	NO	0.593	10.766	41.99	42.00	1.23	1.23	NO	340.0	91.5	1.39	
35	35 37Cl-2,3,7,8-TCDD	124696.117			1.07	10.766	26.18	26.18	1.03	1.03	NO	76.21	103	0.106	
36	36 13C-1,2,3,4-TCDD	284219.875	0.809	NO	1.00	10.766	25.45	25.47	1.00	1.00	NO	185.8	100	0.680	
37	37 13C-1,2,3,4-TCDF	529327.656	0.755	NO	1.00	10.766	23.55	23.58	1.00	1.00	NO	185.8	100	0.608	
38	38 13C-1,2,3,4,6,9-HxCDF	341984.375	0.523	NO	1.00	10.766	34.16	34.17	1.00	1.00	NO	185.8	100	1.22	
39	39 Total Tetra-Dioxins				0.925	10.766	24.62		0.00		NO	0.6788		0.168	0.6788
40	40 Total Penta-Dioxins				0.905	10.766	29.96		0.00		NO	0.0000		0.0463	0.2934
41	41 Total Hexa-Dioxins				0.967	10.766	33.63		0.00		NO	0.0000		0.153	1.196
42	42 Total Hepta-Dioxins				1.04	10.766	38.80		0.00		NO	4.055		0.329	4.055
43	43 Total Tetra-Furans				0.938	10.766	23.61		0.00		NO	0.1376		0.0736	0.1376
44	44 1st Func. Penta-Furans				0.976	10.766	27.04		0.00		NO			0.0135	
45	45 Total Penta-Furans				0.976	10.766	29.27		0.00		NO			0.0167	
46	46 Total Hexa-Furans				1.18	10.766	33.56		0.00		NO			0.0235	
47	47 Total Hepta-Furans				1.13	10.766	37.83		0.00		NO			0.0618	

Dataset: U:\VG11.PRO\Results\191217K3\191217K3-16.qld

Last Altered: Friday, December 20, 2019 12:22:59 Pacific Standard Time

Printed: Friday, December 20, 2019 12:25:14 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	39 Total Tetra-Dioxins	9.78e2	2.89e5	0.846	NO	24.62	23.80	0.6788	0.6788

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	40 Total Penta-Dioxins	0.00e0	2.18e5	0.749	YES	29.96	29.54	0.0000	0.2201
2	40 Total Penta-Dioxins	0.00e0	2.18e5	0.485	YES	29.96	29.06	0.0000	0.07324

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	0.00e0	0.00e0	1.044	YES	33.63	33.20	0.0000	1.196

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.04e3	1.40e5	1.069	NO	38.55	38.58	1.328	1.328
42	Total Hepta-Dioxins	2.14e3	1.40e5	1.188	NO	38.80	37.51	2.726	2.726

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
43	Total Tetra-Furans	3.13e2	4.51e5	0.791	NO	23.61	20.89	0.1376	0.1376

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191217K3\191217K3-16.qld

Last Altered: Friday, December 20, 2019 12:22:59 Pacific Standard Time

Printed: Friday, December 20, 2019 12:25:14 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Dataset: Untitled

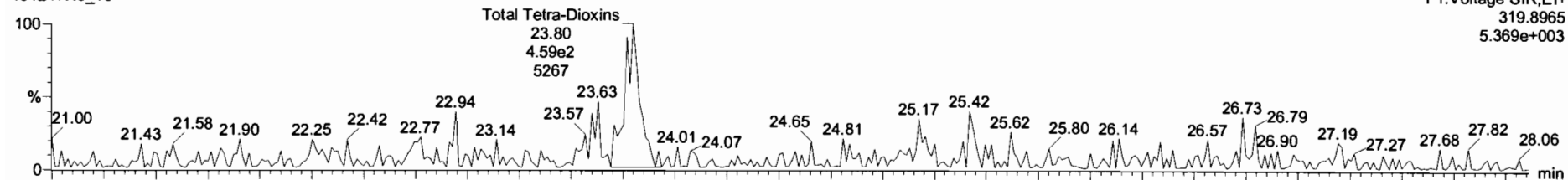
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

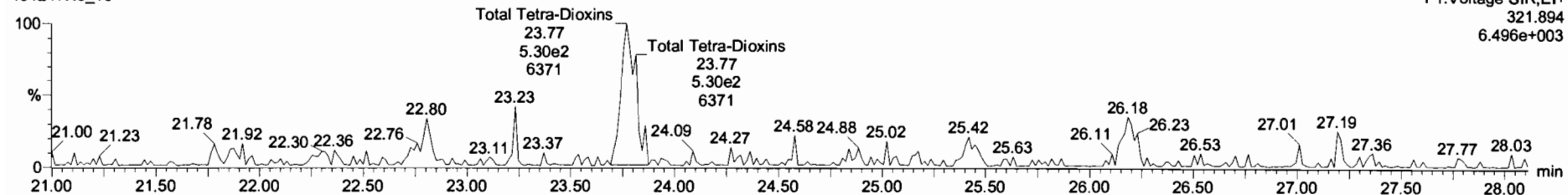
Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

2,3,7,8-TCDD

191217K3_16

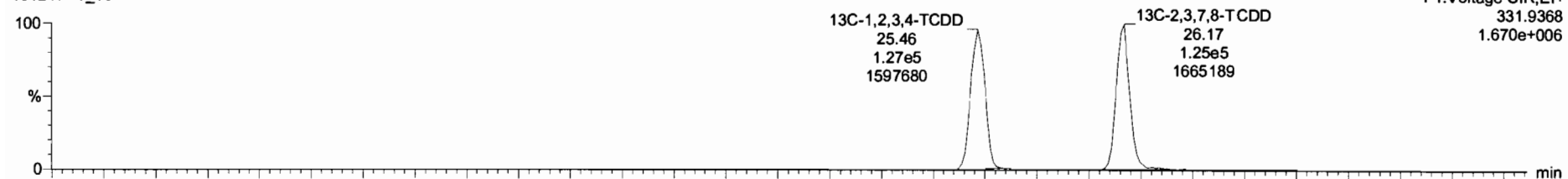


191217K3_16

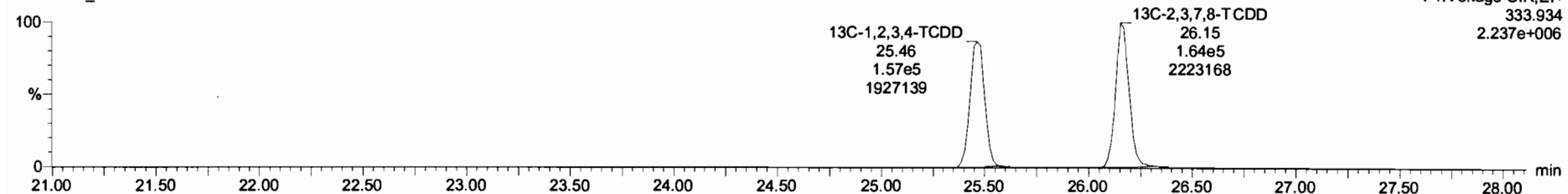


13C-2,3,7,8-TCDD

191217K3_16



191217K3_16

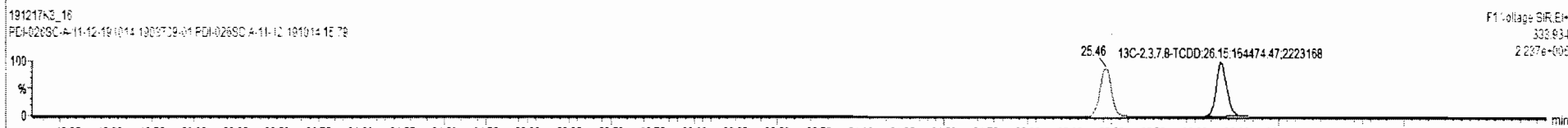
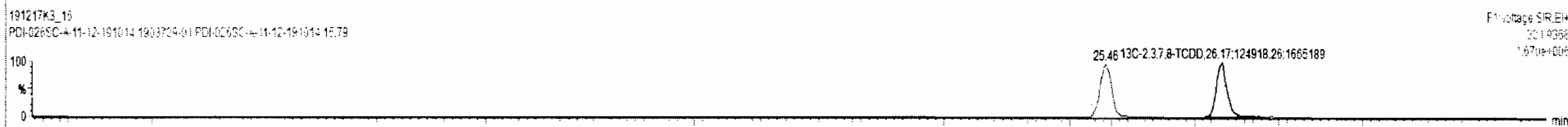
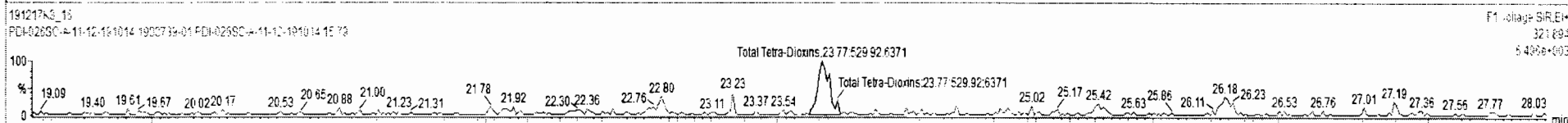
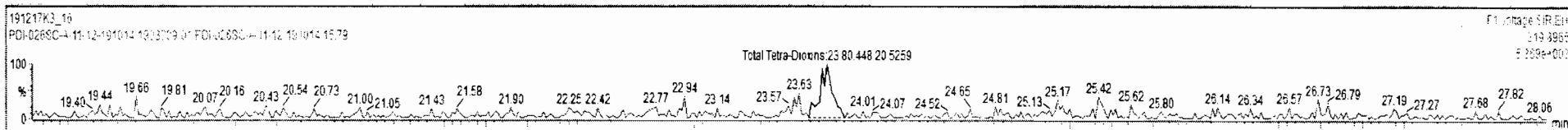




191217K3_16 - 1903739-01 PDI-026SC-A-11-12-191014 15 79 - PDI-026SC-A-11-12-191014

#	Name	Resp	IS Resp	IS	RA	n/y	RRF	w/vol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC	Primary Flags	No Sol.	Peaks
34	13C-OCDF	3.71e5	3.42e5	38	0.88	NO		10.766	41.99	42.00	1.228	1.228	NO	340.0	91.5	1.39		cc	NO	
35	37C-2,3,7,8-TCDD	1.25e5	2.84e5	36				10.766	26.18	26.18	1.028	1.028	NO	76.21	100	0.106		cc	NO	
36	13C-1,2,3,4-TCDD	2.84e5	2.84e5	36	0.81	NO		10.766	25.45	25.47	1.000	1.000	NO	165.8	100	0.580		cc	NO	
37	13C-1,2,3,4-TCDF	5.29e5	5.29e5	37	0.75	NO		10.766	23.55	23.56	1.000	1.000	NO	165.8	100	0.506		cc	NO	
38	13C-1,2,3,4,6,9-HxCDF	3.42e5	3.42e5	38	0.52	NO		10.766	34.15	34.17	1.000	1.000	NO	165.8	100	1.22		cc	NO	
39	Total Tetra-Dioxins	2.89e5						10.766	24.62		0.000	NO	0.6788		0.168	0.6788			NO	1
40	Total Penta-Dioxins	2.18e5						10.766	29.96		0.000	NO			0.0463				NO	
41	Total Hexa-Dioxins	0.06e0						10.766	33.63		0.000	NO	1.328		0.340	1.328			NO	1
42	Total Hepta-Dioxins	1.40e5						10.766	38.80		0.000	NO	2.662		0.329	3.962			NO	1
43	Total Tetra-Furans	4.51e5						10.766	23.61		0.000	NO			0.0282				NO	
44	1st Func. Penta-Furans	0.06e0						10.766	27.04		0.000	NO			0.0135				NO	
45	Total Penta-Furans	0.06e0						10.766	29.27		0.000	NO			0.0167				NO	
46	Total Hexa-Furans	0.06e0						10.766	33.56		0.000	NO			0.0235				NO	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1° Det.
1	39 Total Tetra-Dioxins	24.62	23.86	4.482e2	5.299e2	0.770	0.85	NO	0.67881	0.67861	MM	bb



Ready

191217K3_16

CAP NUM

Dataset: Untitled

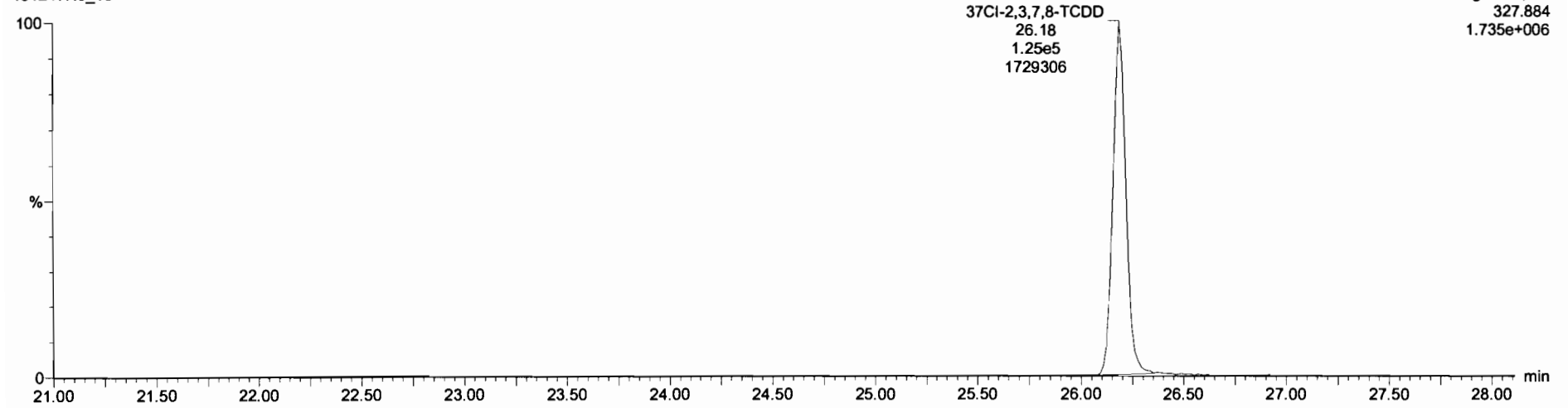
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

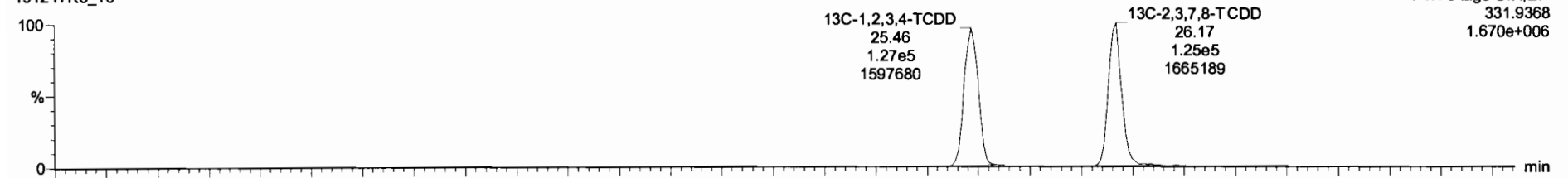
37Cl-2,3,7,8-TCDD

191217K3_16

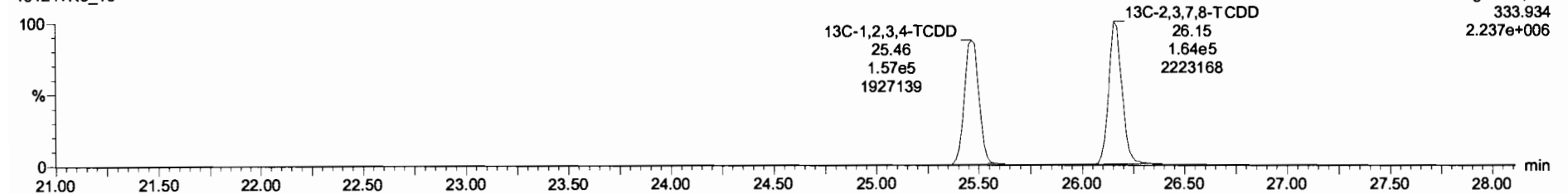


13C-1,2,3,4-TCDD

191217K3_16



191217K3_16



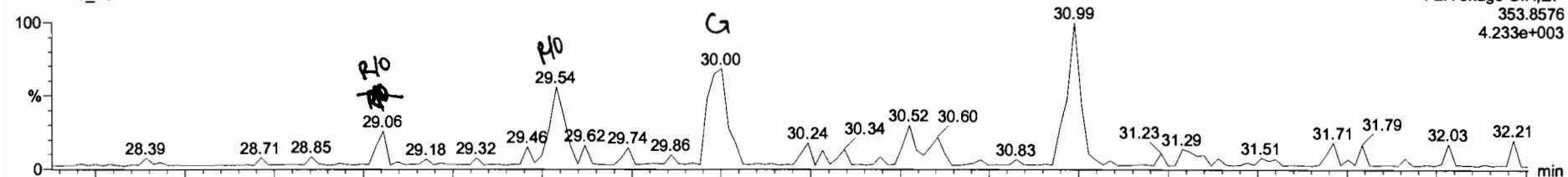
Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

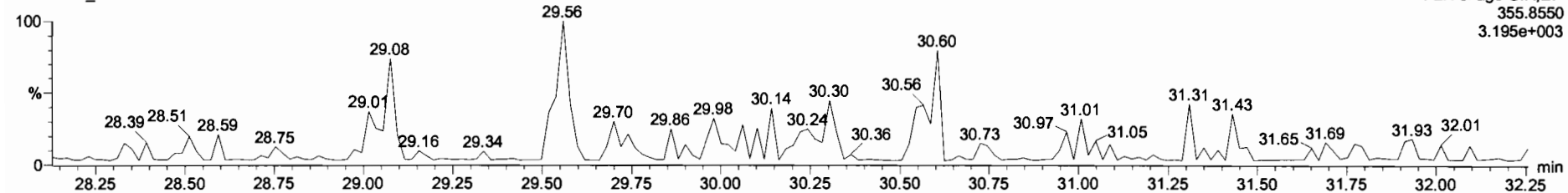
Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

1,2,3,7,8-PeCDD

191217K3_16

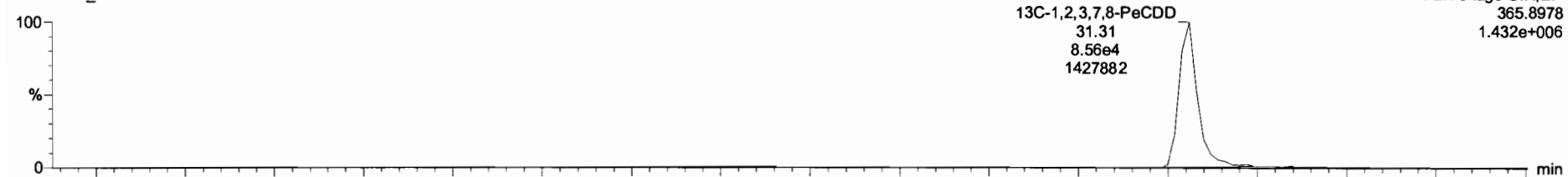


191217K3_16

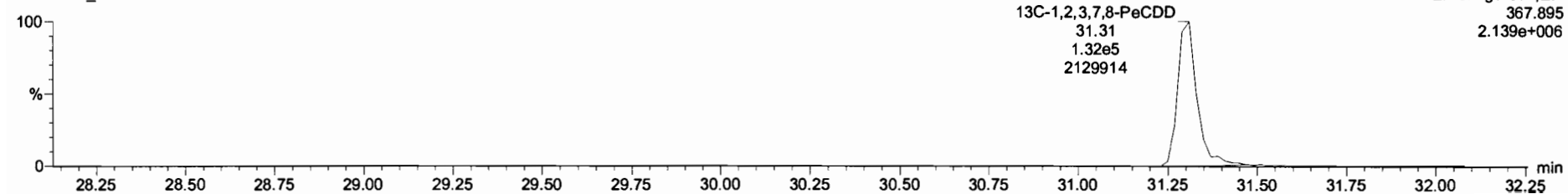


13C-1,2,3,7,8-PeCDD

191217K3_16



191217K3_16

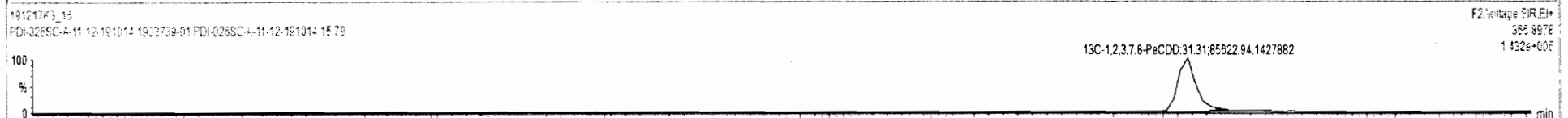
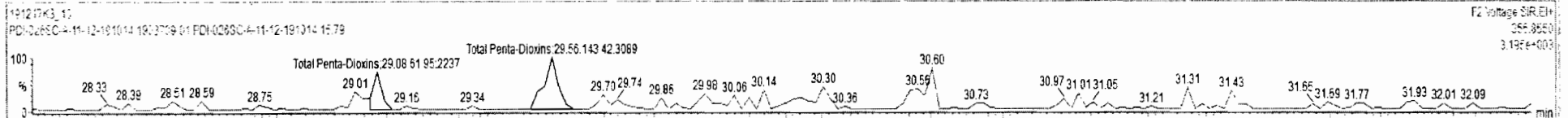
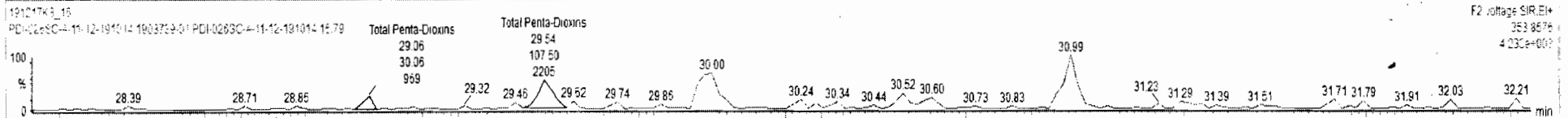




191217K3_16 - 1903739-01 PDI-026SC-A-11-12-191014 15:79 - PDI-026SC-A-11-12-191014

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC	Primary Flags	No Sol.	Peaks
34	13C-OCDF	3.71e5	3.42e5	38	0.88	NO		10.766	41.99	42.00	1.229	1.229	NO	340.0	91.5	1.39		bc	NO	
35	37Cl2 2,7,8-TCDD	1.25e5	2.64e5	36				10.766	26.18	26.18	1.028	1.028	NO	76.21	102	0.106		bt	NO	
36	13C-1,2,3,4-TCDD	2.84e5	2.84e5	36	0.81	NO		10.766	25.45	25.47	1.000	1.000	NO	165.8	100	0.680		bc	NO	
37	13C-1,2,3,4-TCDF	5.29e5	5.29e5	37	0.75	NO		10.766	23.55	23.58	1.000	1.000	NO	165.8	100	0.606		bc	NO	
38	13C-1,2,3,4,6,9-HxCDF	3.42e5	3.42e5	38	0.52	NO		10.766	34.16	34.17	1.000	1.000	NO	165.8	100	1.22		bc	NO	
39	Total Tetra-Dioxins	2.69e5						10.766	24.62			0.000	NO	0.6788		0.166	0.6788		NO	1
40	Total Penta-Dioxins	2.18e5						10.766	29.96			0.000	NO	0.8000		0.0463	0.2934		NO	
41	Total Hexa-Dioxins	0.00e0						10.766	33.63			0.000	NO	1.328		0.340	1.328		NO	1
42	Total Hepta-Dioxins	1.40e5						10.766	38.80			0.000	NO	2.662		0.229	3.962		NO	1
43	Total Tetra-Furans	4.51e5						10.766	23.61			0.000	NO			0.0282			NO	
44	1st Func. Penta-Furans	0.00e0						10.766	27.04			0.000	NO			0.0135			NO	
45	Total Penta-Furans	0.00e0						10.766	29.27			0.000	NO			0.0167			NO	
46	Total Hexa-Furans	0.00e0						10.766	33.58			0.000	NO			0.0235			NO	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc	Primar.	1° Det.
1	40 Total Penta-Dioxins	29.96	29.06	3.006e1	6.195e1	0.630	0.49	YES	0.07324e	0.00900	MM	MM
2	40 Total Penta-Dioxins	29.96	29.54	1.075e2	1.434e2	0.630	0.75	YES	0.22012	0.00900	MM	MM



Dataset: Untitled

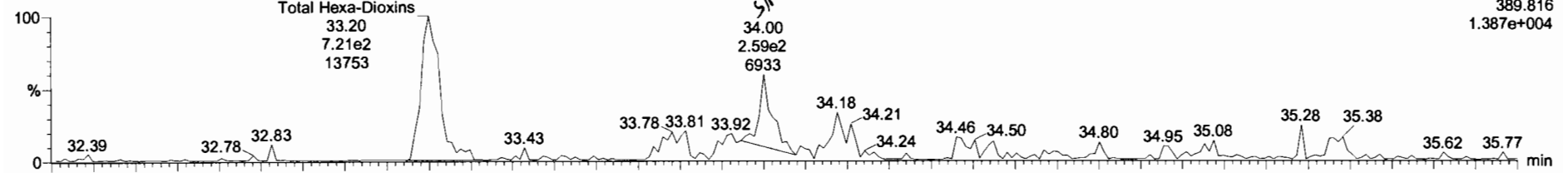
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

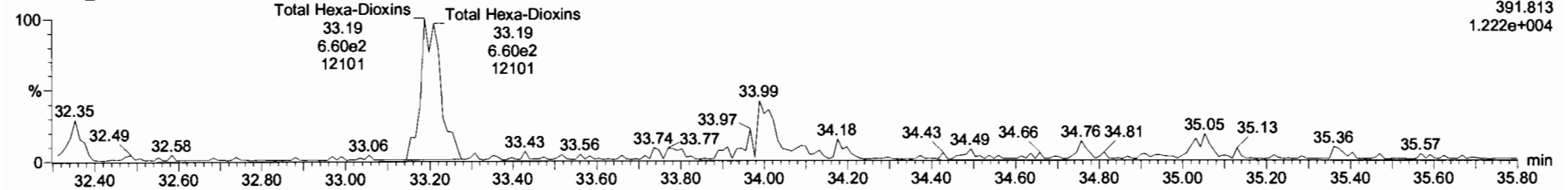
Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

1,2,3,4,7,8-HxCDD

191217K3_16

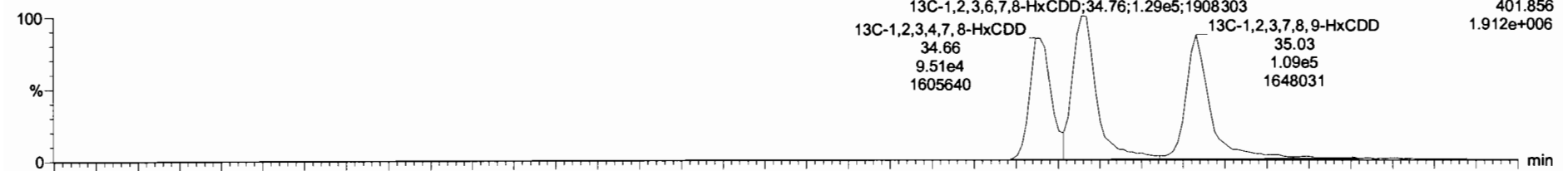


191217K3_16

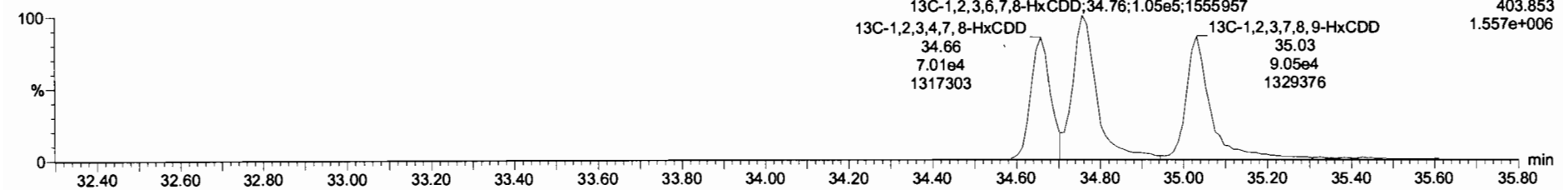


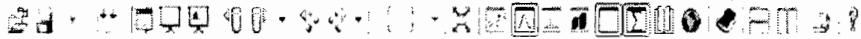
13C-1,2,3,4,7,8-HxCDD

191217K3_16



191217K3_16

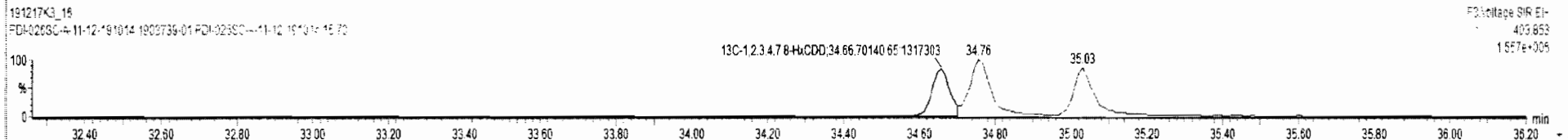
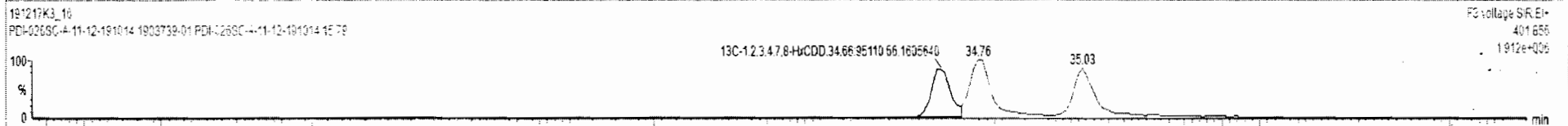
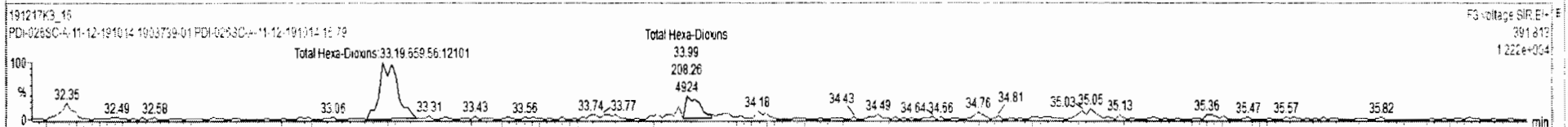
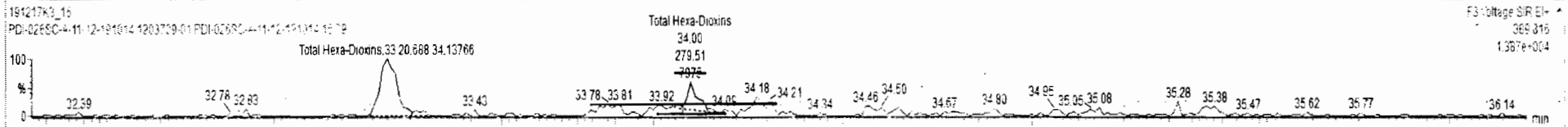




191217K3_16 - 1903739-01 PDI-026SC-A-11-12-191014 15:79 - PDI-026SC-A-11-12-191014

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC	Primary Flags	No Sol.	Peaks
34	13C-OCDF	2.71e5	3.42e5	38	0.86	NO		10.766	41.99	42.00	1.229	1.229	NO	340.0	91.5	1.39		bd	NO	
35	37C-2,3,7,8-TCDD	1.25e5	2.84e5	36				10.766	26.18	26.18	1.028	1.028	NO	76.21	100	0.196		cb	NO	
36	13C-1,2,3,4-TCDD	2.84e5	2.84e5	36	0.81	NO		10.766	25.45	25.47	1.000	1.000	NO	185.8	100	0.680		cb	NO	
37	13C-1,2,3,4-TCDF	5.29e5	5.29e5	37	0.75	NO		10.766	23.55	23.58	1.000	1.000	NO	185.8	100	0.608		cb	NO	
38	13C-1,2,3,4,6,8-HxCDF	3.42e5	3.42e5	38	0.62	NO		10.766	34.16	34.17	1.000	1.000	NO	185.8	100	1.22		cb	NO	
39	Total Tetra-Dioxins		2.89e5					10.766	24.82			0.000	NO	0.6788		0.186	0.6788		NO	1
40	Total Penta-Dioxins		2.15e5					10.766	29.96			0.000	NO	0.0000		0.0453	0.2934		NO	
41	Total Hexa-Dioxins		0.00e0					10.766	33.63			0.000	NO	0.4891		0.340	1.865		NO	1
42	Total Hepta-Dioxins		1.40e5					10.766	38.80			0.000	NO	2.662		0.329	3.362		NO	1
43	Total Tetra-Furans		4.51e5					10.766	23.51			0.000	NO			0.0282			NO	
44	1st Func. Penta-Furans		0.00e0					10.766	27.04			0.000	NO			0.0135			NO	
45	Total Penta-Furans		0.00e0					10.766	29.27			0.000	NO			0.0167			NO	
46	Total Hexa-Furans		0.00e0					10.766	33.56			0.000	NO			0.0235			NO	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1st Det.
1	41 Total Hexa-Dioxins	33.63	33.20	6.883e2	6.596e2	1.240	1.04	YES	1.1958	0.00000	MM	bb
2	41 Total Hexa-Dioxins	33.63	34.00	2.795e2	2.083e2	1.240	1.34	NO	0.46910	0.46910	MM	MM



Ready

191217K3_16

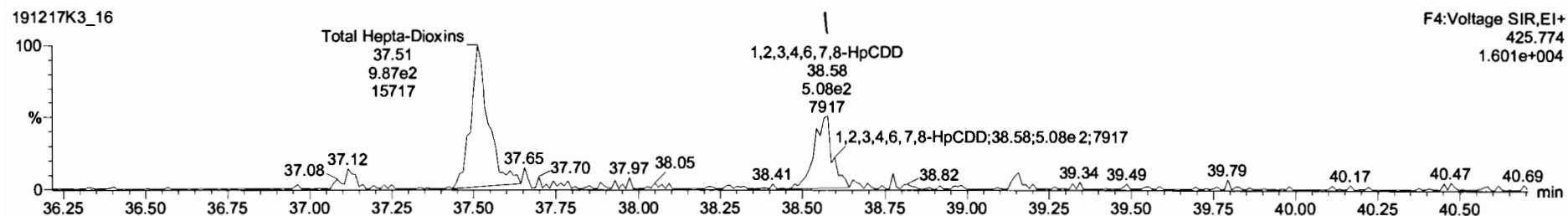
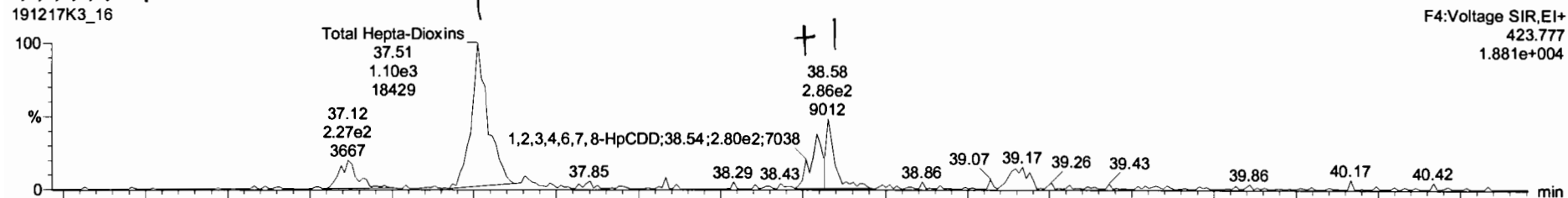
CAP NUM

Dataset: Untitled

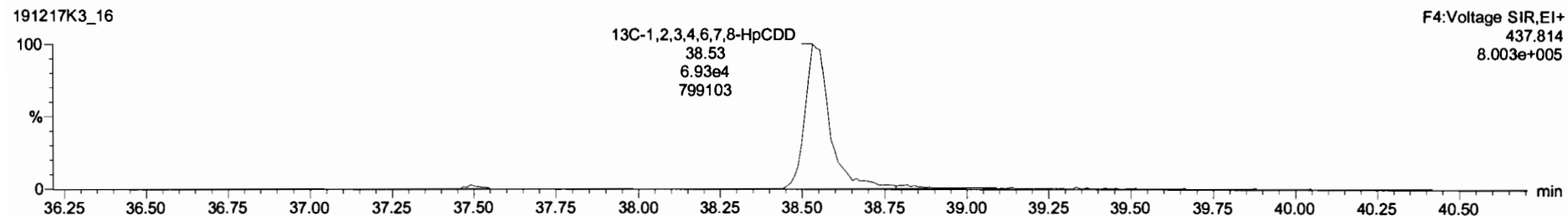
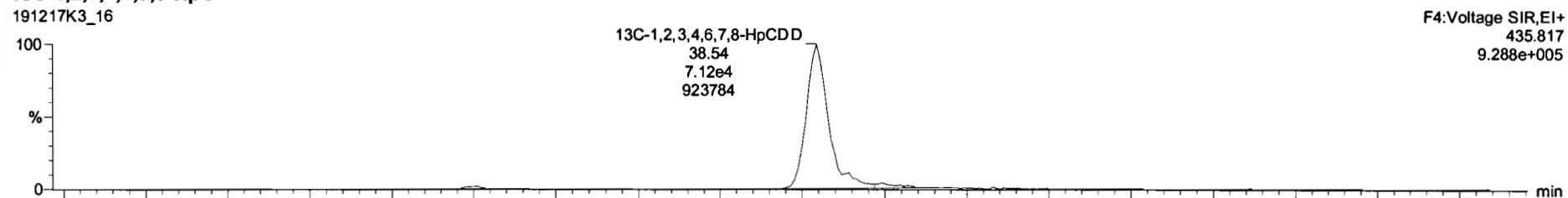
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

1,2,3,4,6,7,8-HpCDD



13C-1,2,3,4,6,7,8-HpCDD

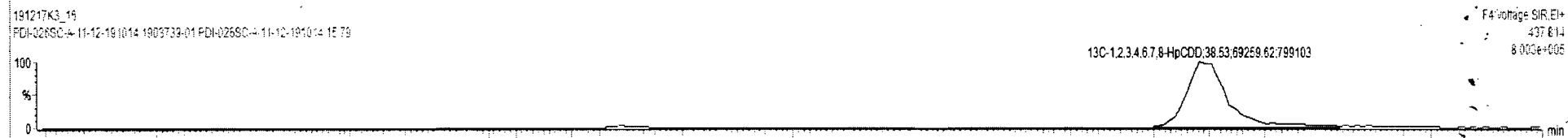
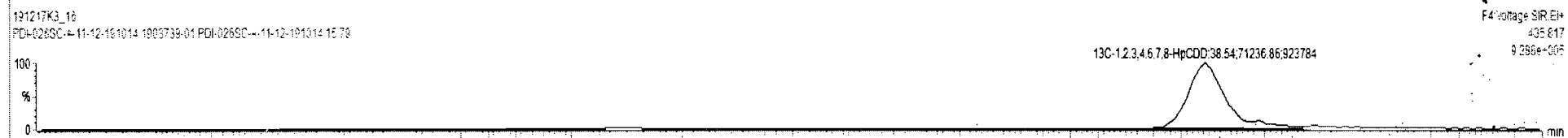
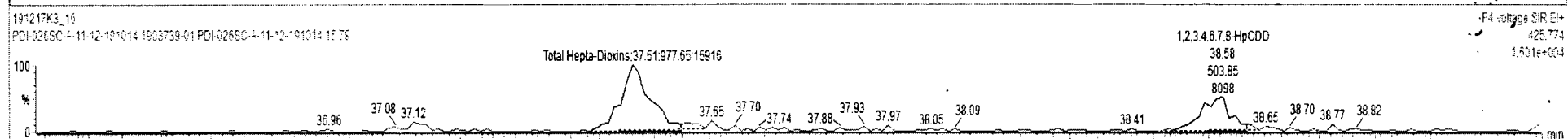
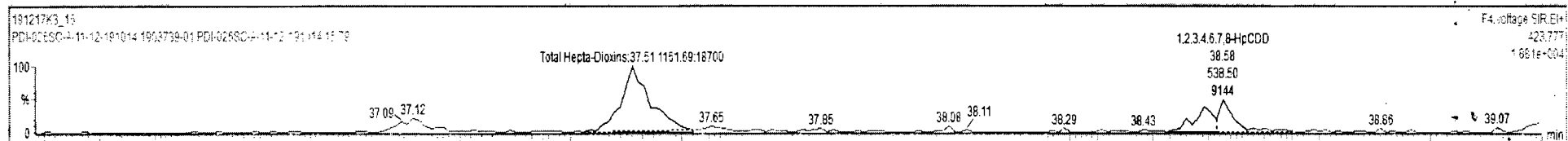




191217K3_16 - 1903739-01 PDI-026SC-A-11-12-191014 15 79 - PDI-026SC-A-11-12-191014

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
36	13C-1,2,3,4-TCDD	2.84e5	0.91	NO	1.0000	10.766	25.45	25.47	1.000	1.000	NO	185.8	100	0.690	
37	13C-1,2,3,4-TCDF	5.29e5	0.75	NO	1.0000	10.766	23.55	23.58	1.000	1.000	NO	185.8	100	0.608	
38	13C-1,2,3,4,6,9-HxCDF	3.42e5	0.52	NO	1.0000	10.766	34.16	34.17	1.000	1.000	NO	185.8	100	1.22	
39	Total Tetra-Dioxins				0.9249	10.766	24.62		0.000		NO	0.6738		0.168	0.6788
40	Total Penta-Dioxins				0.9046	10.766	29.56		0.000		NO	0.0000		0.0463	0.2934
41	Total Hexa-Dioxins				0.9675	10.766	33.63		0.000		NO	0.0000		0.153	1.198
42	Total Hepta-Dioxins				1.0375	10.766	38.80		0.000		NO	4.055		0.329	4.055
43	Total Tetra-Furans				0.9376	10.766	23.61		0.000		NO	0.1376		0.0736	0.1376
44	1st Func. Penta-Furans				0.9762	10.766	27.04		0.000		NO			0.0135	
45	Total Penta-Furans				0.9762	10.766	29.27		0.000		NO			0.0167	
46	Total Hexa-Furans				1.1806	10.766	33.56		0.000		NO			0.0235	
47	Total Hepta-Furans				1.1300	10.766	37.33		0.000		NO			0.0818	
48	PFK1														

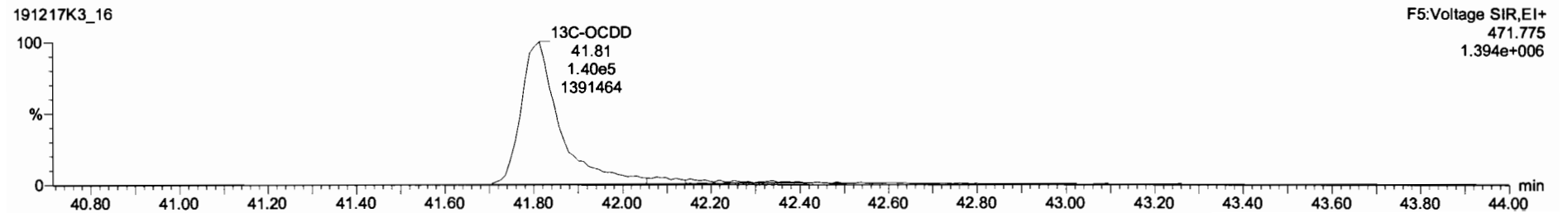
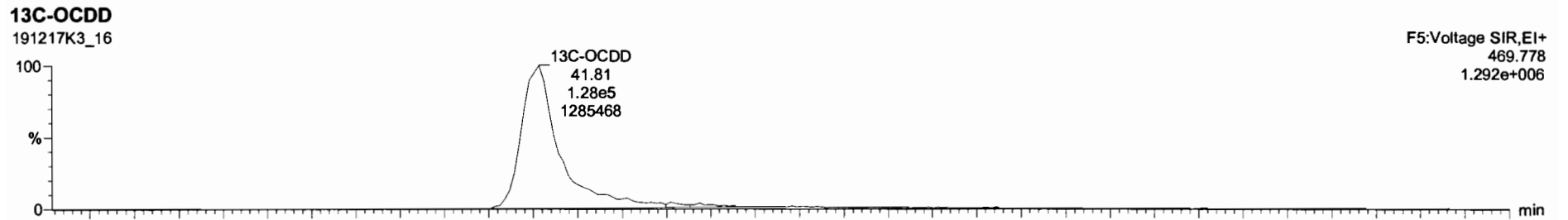
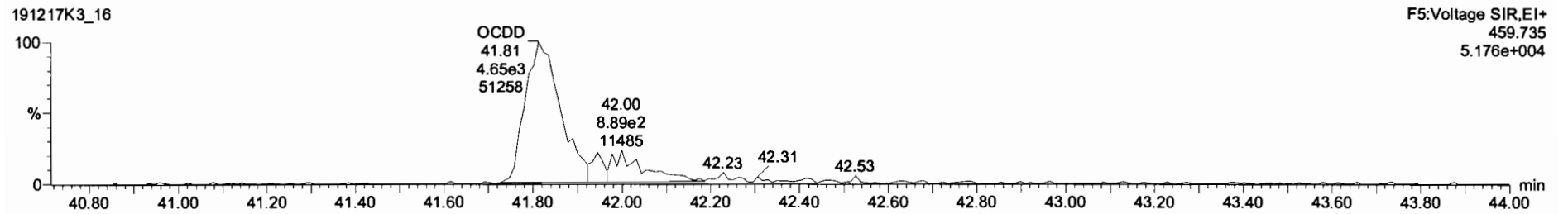
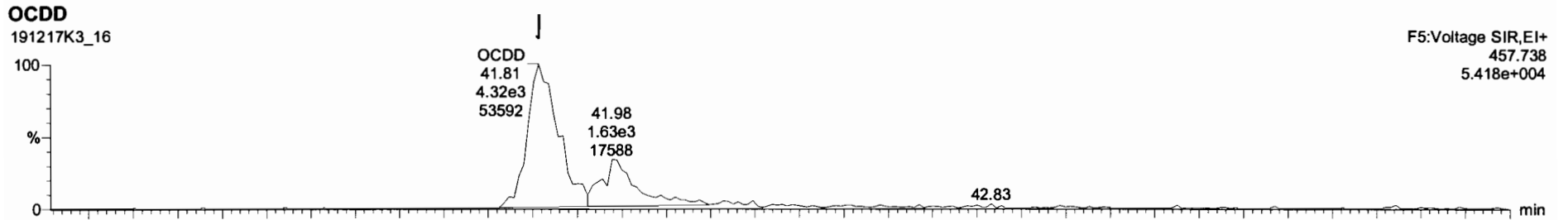
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	42 Total Hepta-Dioxins	38.80	37.51	1.162e3	9.777e2	1.040	1.19	NO	2.7264	2.7264
2	6 1,2,3,4,6,7,8-HpCDD	38.55	38.58	5.385e2	5.029e2	1.040	1.07	NO	1.3284	1.3284



Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

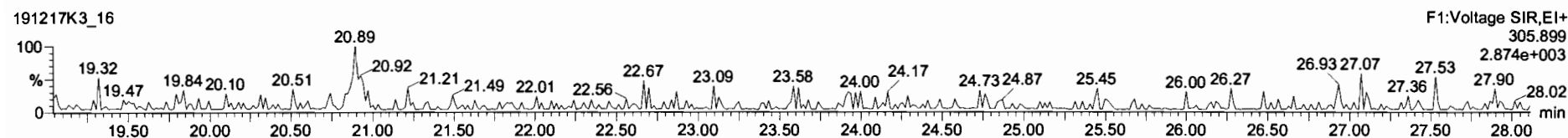
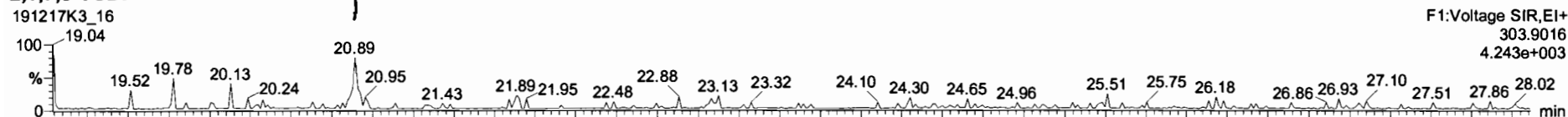


Dataset: Untitled

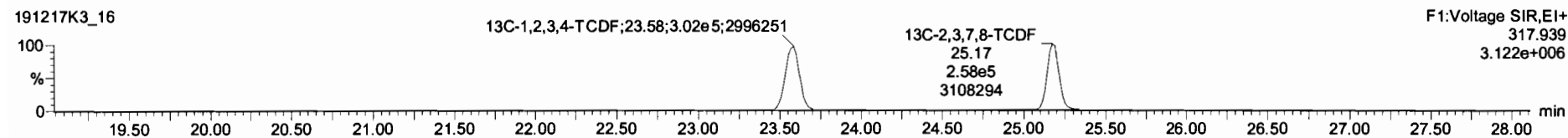
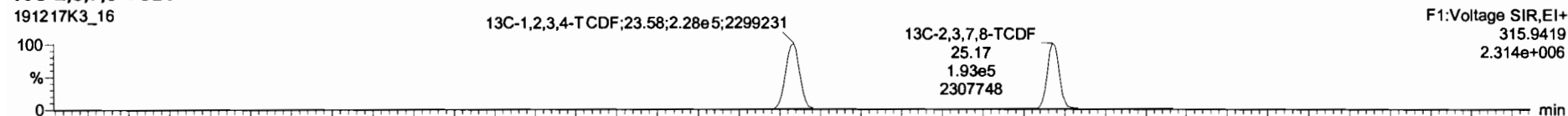
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

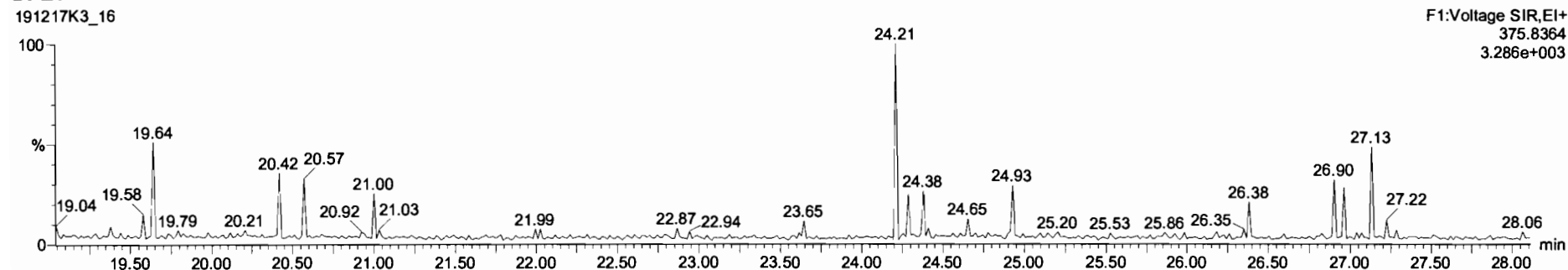
2,3,7,8-TCDF

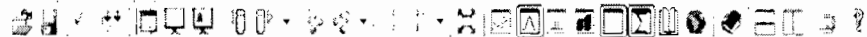


13C-2,3,7,8-TCDF



DPE1

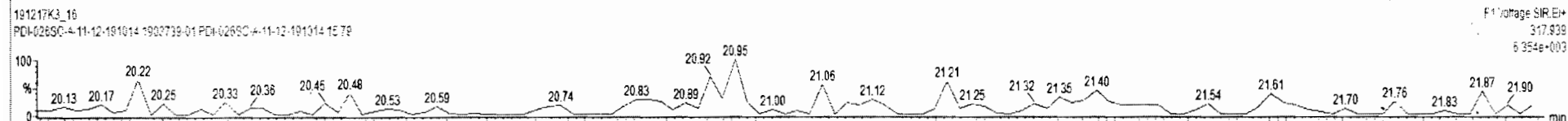
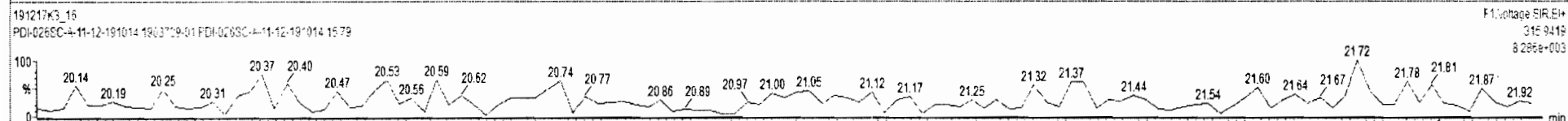
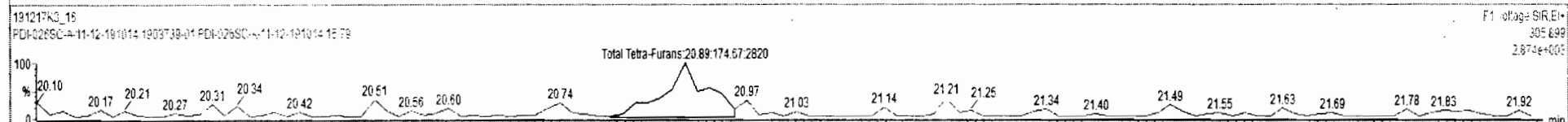
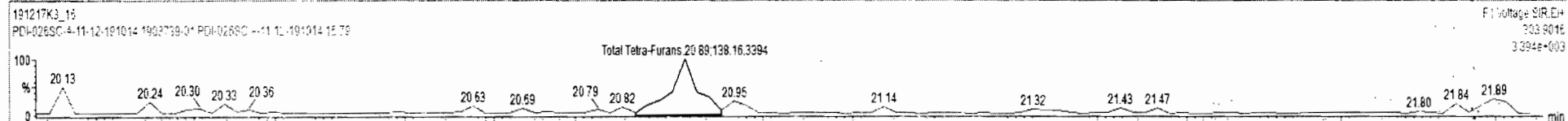




191217K3_16 - 1903739-01 PDI-026SC-A-11-12-191014 15.79 - PDI-026SC-A-11-12-191014

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wtvol	Pred RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC	Primary Flags	No Sol...	Peaks
36	13C-1,2,3,4-TCDD	2.84e5	2.84e5	36	0.81	NO		10.766	25.45	25.47	1.000	1.000	NO	185.8	100	0.680		bb	NO	
37	13C-1,2,3,4-TCDF	5.26e5	5.26e5	37	0.75	NO		10.766	23.55	23.58	1.000	1.000	NO	185.8	100	0.608		bb	NO	
38	13C-1,2,3,4,6,9-HxCDF	3.42e5	3.42e5	38	0.52	NO		10.766	34.16	34.17	1.000	1.000	NO	185.8	100	1.22		bb	NO	
39	Total Tetra-Dioxins	2.89e5						10.766	24.62			0.000	NO	0.6788		0.166	0.6788		NO	1
40	Total Penta-Dioxins	2.18e5						10.766	29.96			0.000	NO	0.0000		0.0463	0.2934		NO	
41	Total Hexa-Dioxins	0.00e0						10.766	33.83			0.000	NO	0.0000		0.153	1.195		NO	
42	Total Hepta-Dioxins	1.40e5						10.766	38.80			0.000	NO	4.067		0.329	4.967		NO	3
43	Total Tetra-Furans	4.51e5						10.766	23.81			0.000	NO	0.1376		0.0736	0.1376		NO	1
44	1st Func. Penta-Furans	0.00e0						10.766	27.04			0.000	NO			0.0135			NO	
45	Total Penta-Furans	0.00e0						10.766	29.27			0.000	NO			0.0167			NO	
46	Total Hexa-Furans	0.00e0						10.766	33.56			0.000	NO			0.0235			NO	
47	Total Hepta-Furans	0.00e0						10.766	37.83			0.000	NO			0.0625			NO	
48	PFK1																			

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	EMPC	Conc.	Primer	1° Det...
1	43 Total Tetra-Furans	23.81	23.85	1.382e2	1.747e2	0.770	0.79	NO	0.13766	0.13756	MM	MM



Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

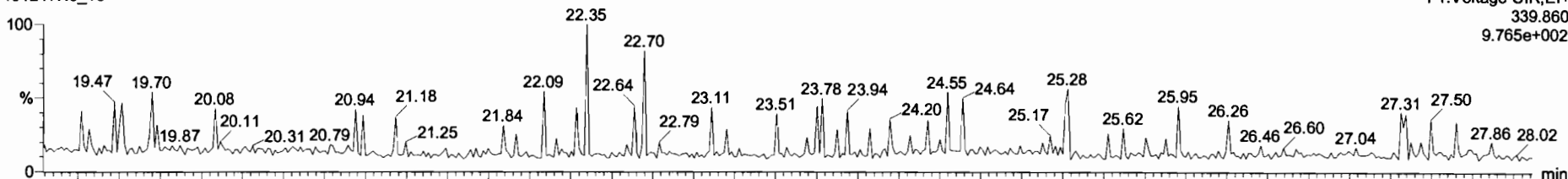
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

1st Func. Penta-Furans

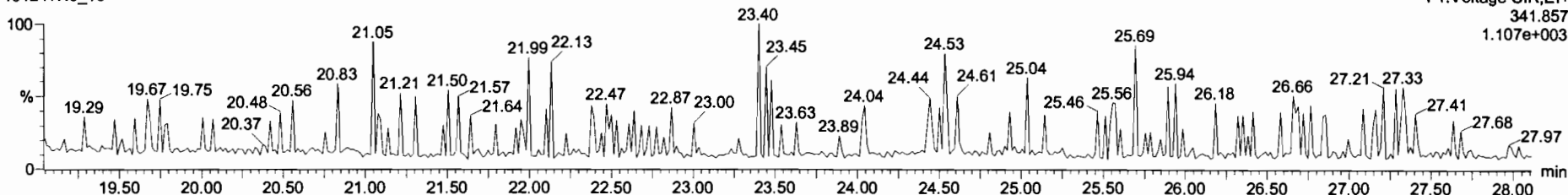
191217K3_16

F1:Voltage SIR,EI+
339.860
9.765e+002



191217K3_16

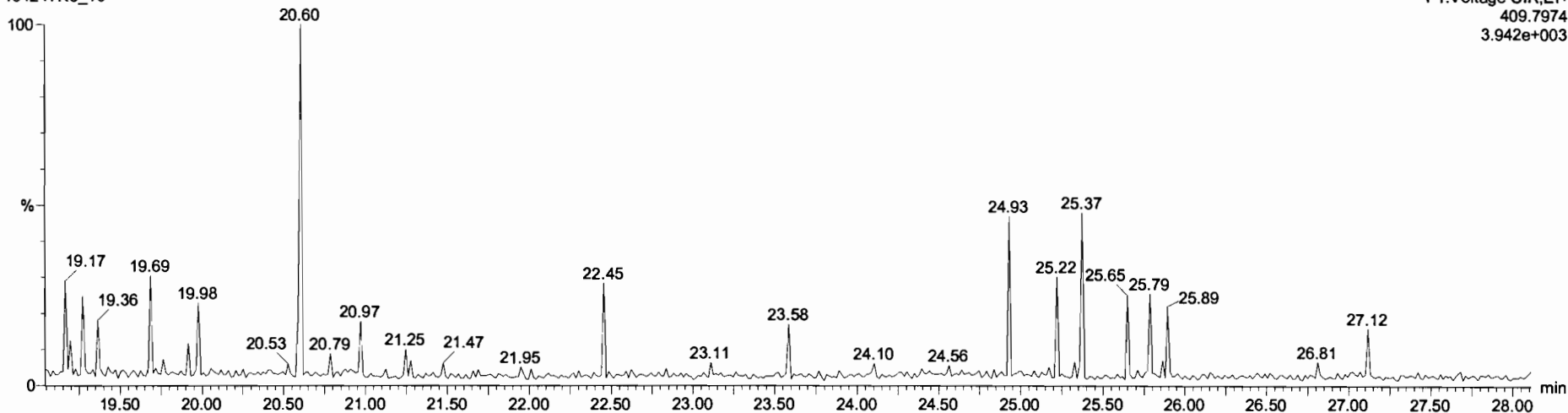
F1:Voltage SIR,EI+
341.857
1.107e+003



DPE6

191217K3_16

F1:Voltage SIR,EI+
409.7974
3.942e+003

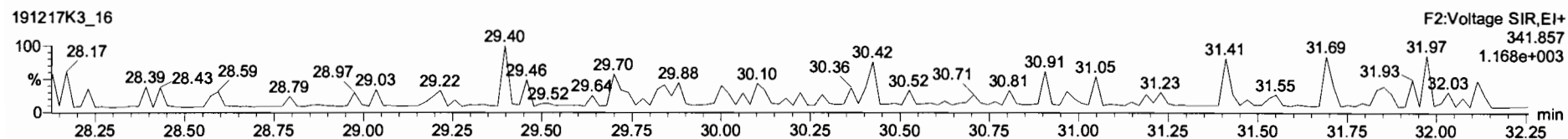
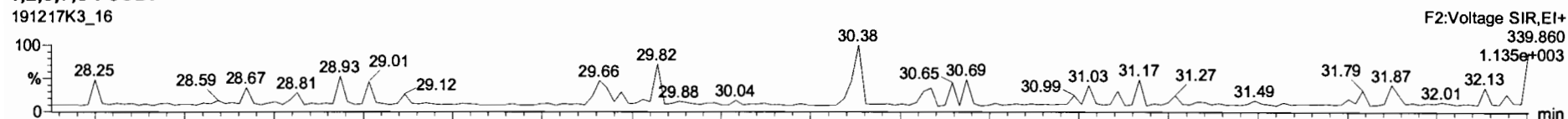


Dataset: Untitled

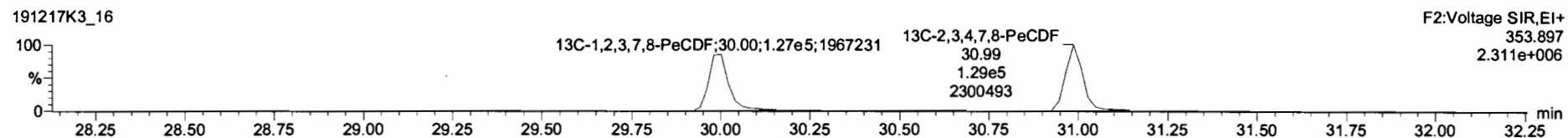
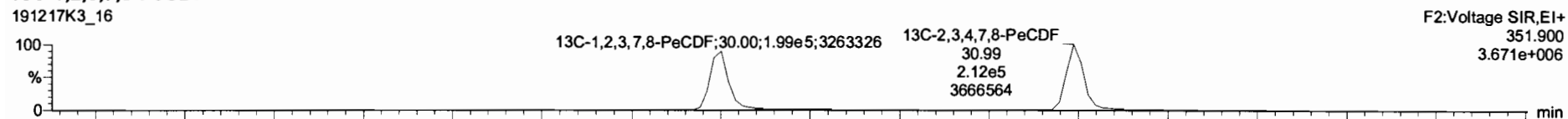
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

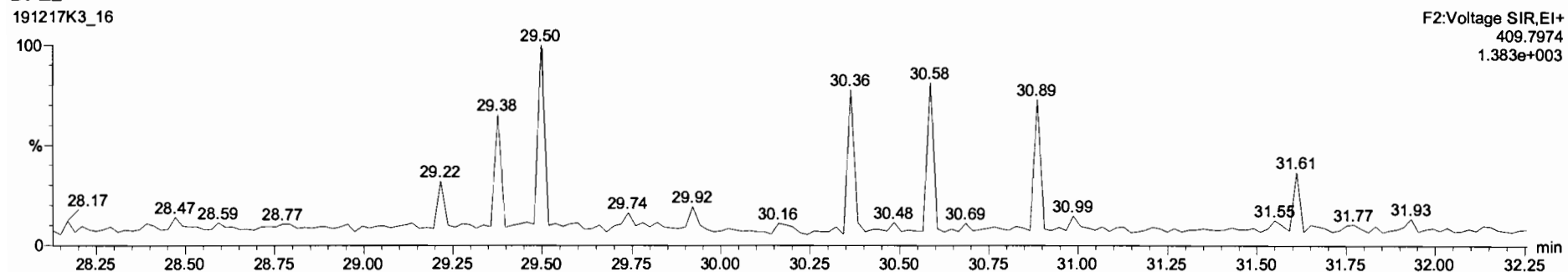
1,2,3,7,8-PeCDF



13C-1,2,3,7,8-PeCDF



DPE2



Dataset: Untitled

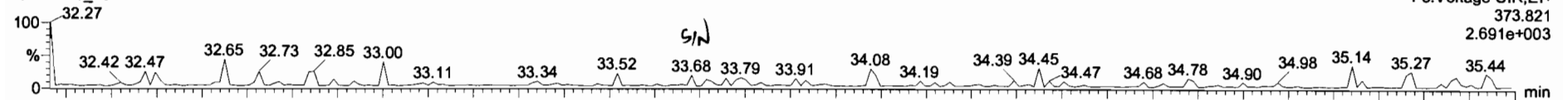
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

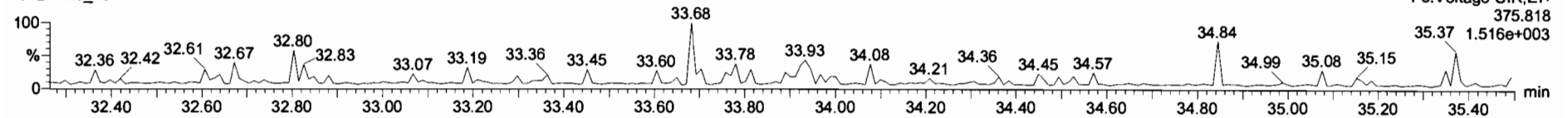
Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

1,2,3,4,7,8-HxCDF

191217K3_16

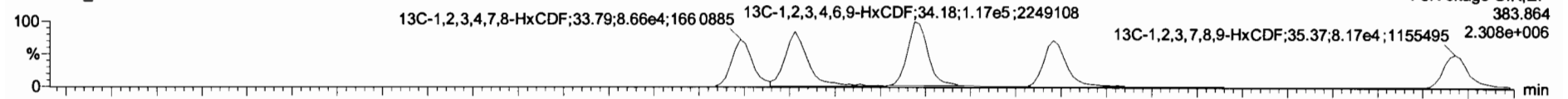


191217K3_16

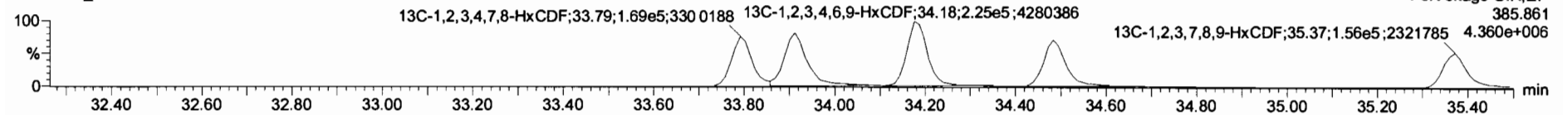


13C-1,2,3,4,7,8-HxCDF

191217K3_16

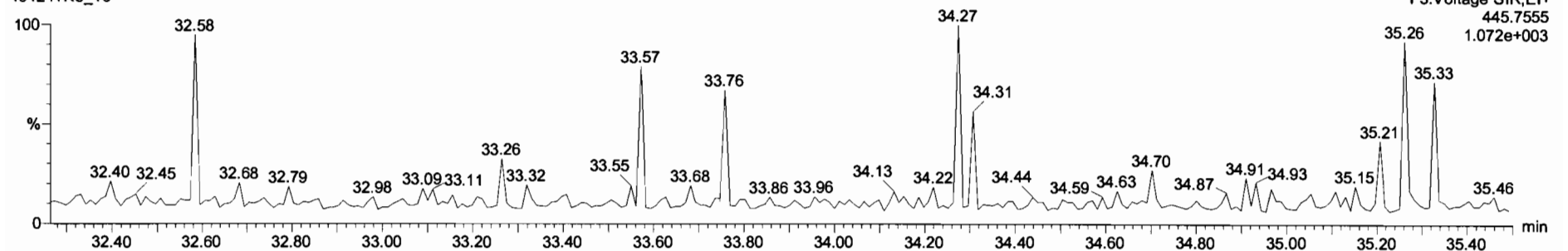


191217K3_16



DPE3

191217K3_16



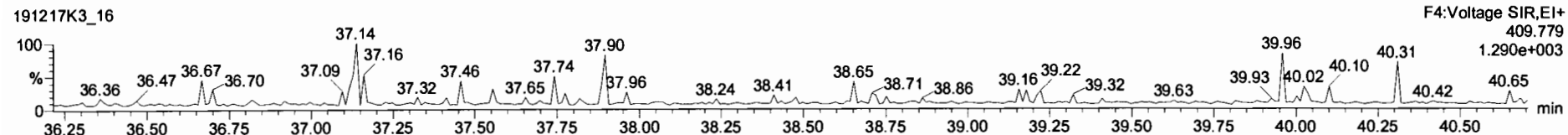
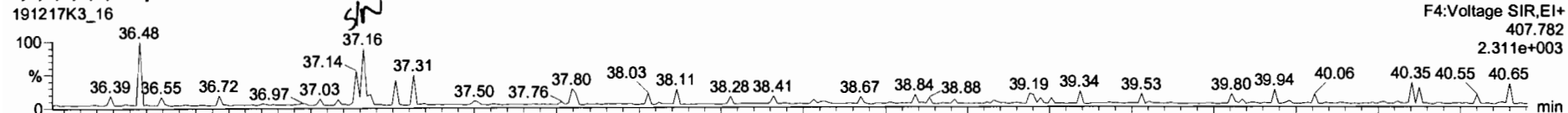
Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

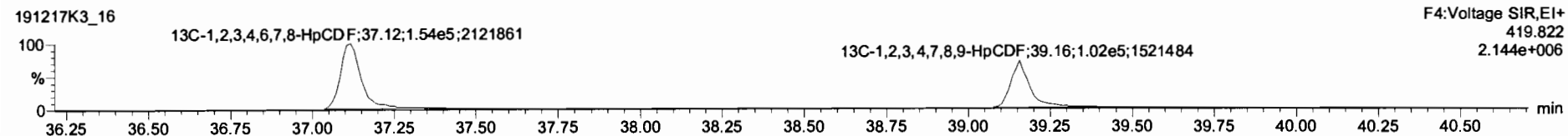
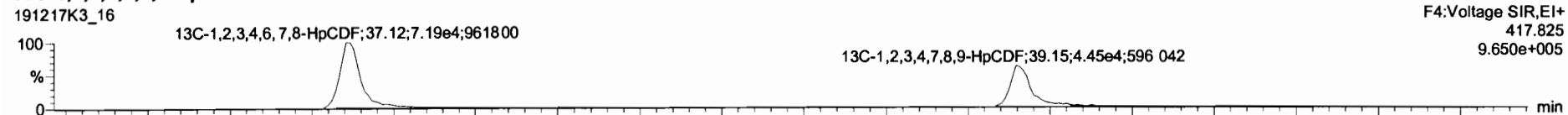
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

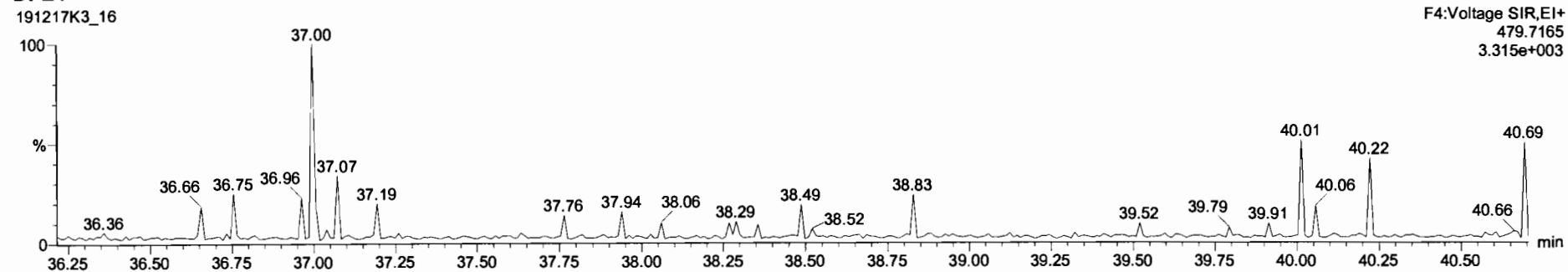
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

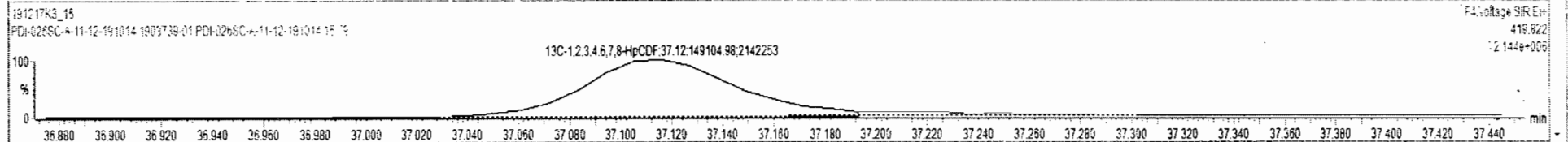
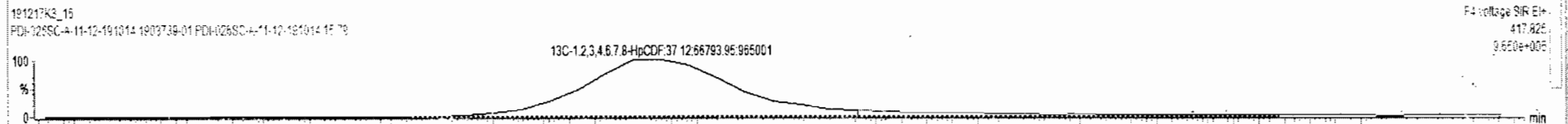
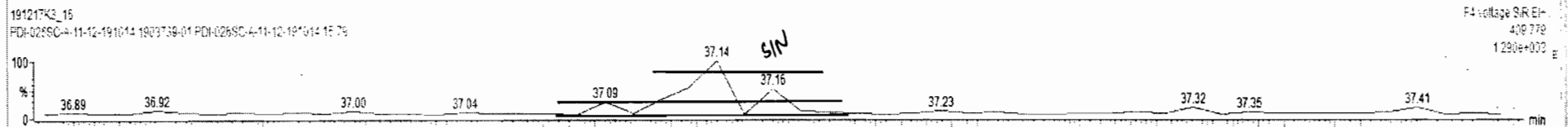
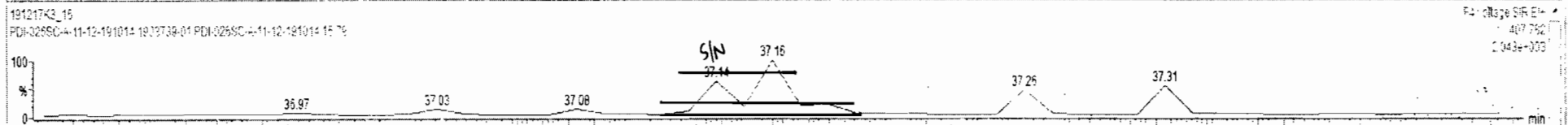




191217K3_16 - 1903739-01 PDI-026SC-A-11-12-191014 15:79 - PDI-026SC-A-11-12-191014

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wWval	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	% Rec	DL	EMPC	Primary Flags	No Sol.	Peaks
45	Total Penta-Furans		0.00e0					10.766	29.27			0.000	ND			0.0167			NO	
46	Total Hexa-Furans		0.00e0					10.766	33.56			0.000	NC			0.0235			NO	
47	Total Hepta-Furans		0.00e0					10.766	37.83			0.000	ND			0.0618			ND	
48	PFK1																			
49	PFK2																			
50	PFK3																			
51	PFK4																			
52	PFK5																			
53	DPE1																			
54	DPE2																			
55	DPE3																			
56	DPE4																			
57	DPE5																			

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	EMPC	Conc.	Primar.	1° Det.
1												

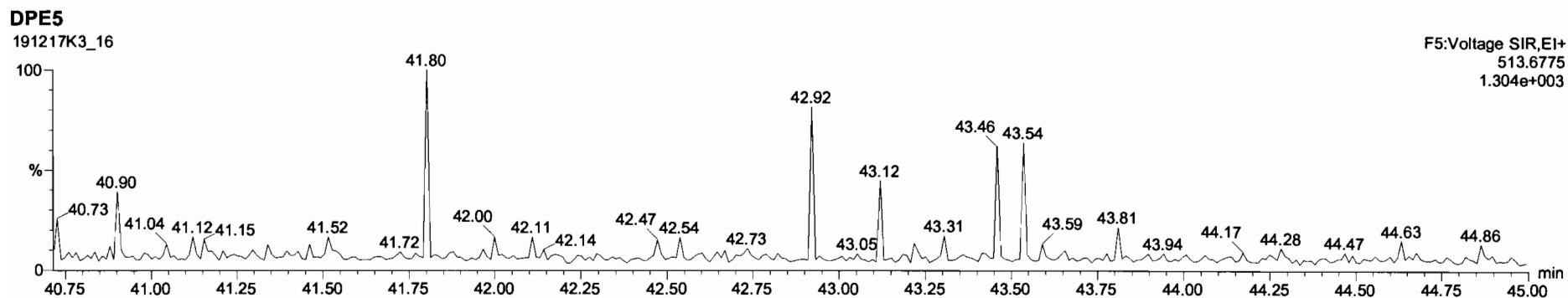
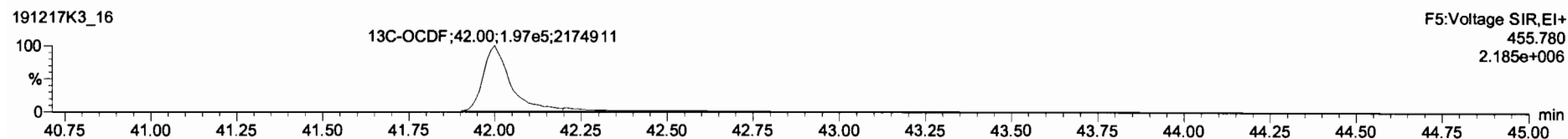
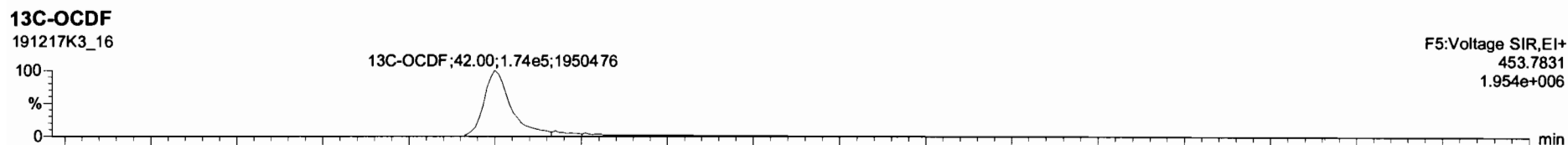
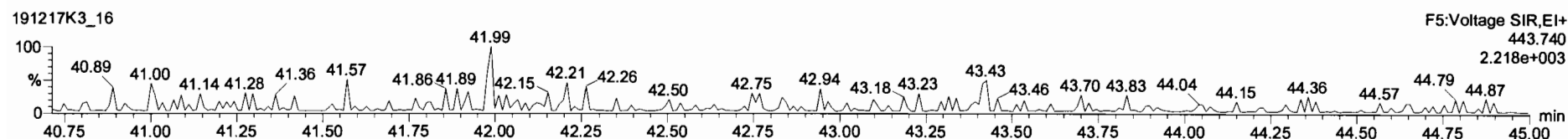
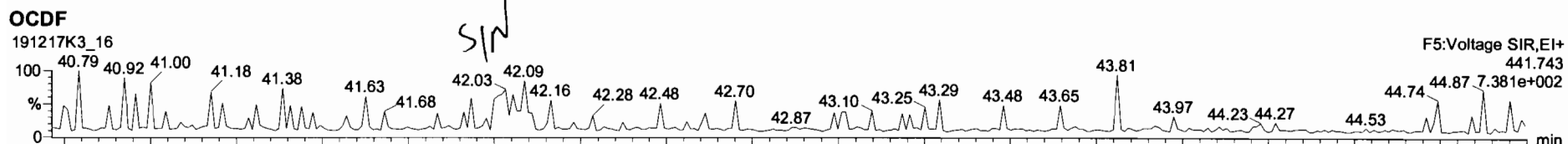


Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014



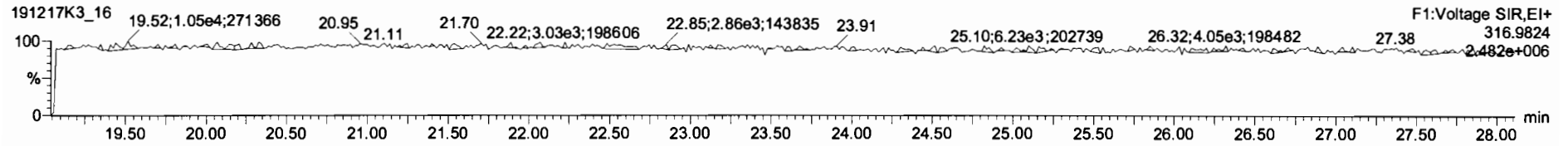
Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

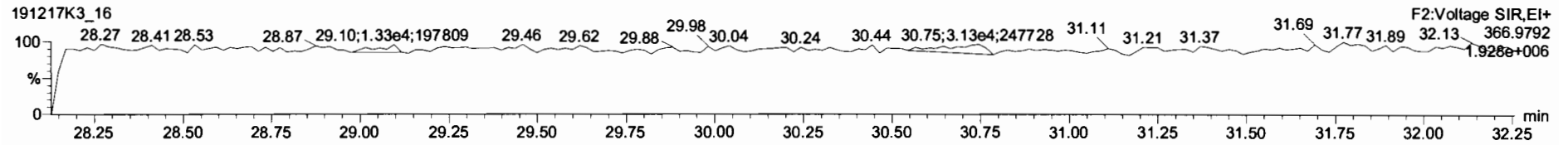
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_16, Date: 18-Dec-2019, Time: 14:10:41, ID: 1903739-01 PDI-026SC-A-11-12-191014 15.79, Description: PDI-026SC-A-11-12-191014

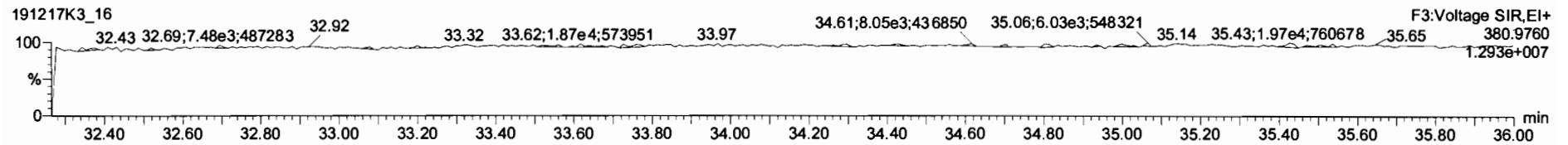
PFK1



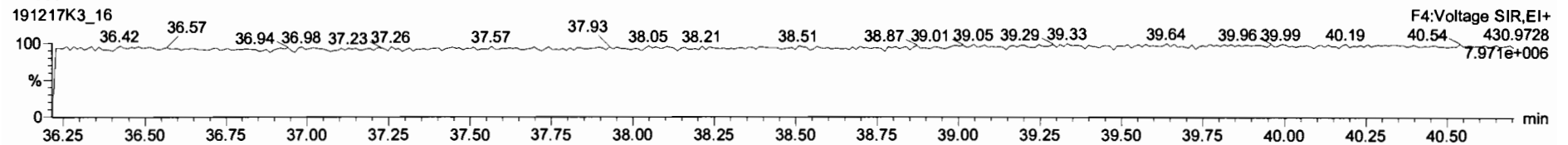
PFK2



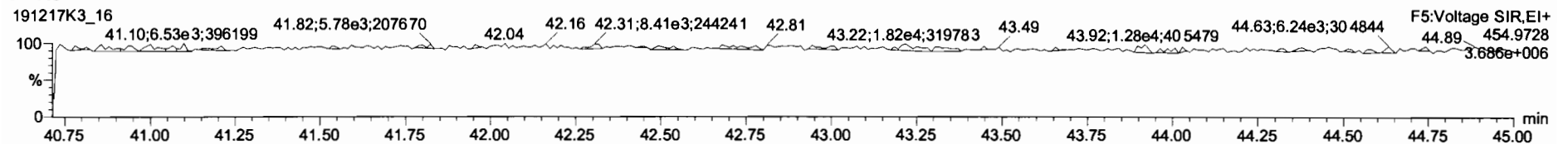
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191218K1\191218K1-3.qld

Last Altered: Thursday, December 19, 2019 15:23:41 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:28:48 Pacific Standard Time

EL 12/19/19

C7 12/20/19

Method: U:\VG11.PRO\MethDB\1613_rtt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.925	10.078	26.17		1.00		YES			0.163	
2	1,2,3,7,8-PeCDD				0.905	10.078	31.31		1.00		YES			0.138	
3	1,2,3,4,7,8-HxCDD				1.07	10.078	34.65		1.00		YES			0.174	
4	1,2,3,6,7,8-HxCDD				0.967	10.078	34.75		1.00		YES			0.159	
5	1,2,3,7,8,9-HxCDD				0.978	10.078	35.06		1.00		YES			0.199	
6	1,2,3,4,6,7,8-HpCDD	168.199	1.355	YES	1.04	10.078	38.53	38.54	1.00	1.00	NO	0.2342		0.164	0.2029
7	OCDD	1088.655	0.936	NO	0.972	10.078	41.80	41.80	1.00	1.00	NO	1.938		0.633	1.938
8	2,3,7,8-TCDF				0.938	10.078	25.17		1.00		YES			0.0920	
9	1,2,3,7,8-PeCDF				0.976	10.078	30.00		1.00		YES			0.0579	
10	2,3,4,7,8-PeCDF				1.00	10.078	31.00		1.00		YES			0.0596	
11	1,2,3,4,7,8-HxCDF				1.24	10.078	33.78		1.00		YES			0.0309	
12	1,2,3,6,7,8-HxCDF				1.10	10.078	33.90		1.00		YES			0.0317	
13	2,3,4,6,7,8-HxCDF				1.18	10.078	34.51		1.00		YES			0.0325	
14	1,2,3,7,8,9-HxCDF				1.07	10.078	35.35		1.00		YES			0.0472	
15	1,2,3,4,6,7,8-HpCDF				1.13	10.078	37.13		1.00		YES			0.0528	
16	1,2,3,4,7,8,9-HpCDF				1.26	10.078	39.15		1.00		YES			0.0797	
17	OCDF				1.10	10.078	41.99		1.00		YES			0.148	
18	13C-2,3,7,8-TCDD	302858.829	0.816	NO	1.05	10.078	26.13	26.14	1.03	1.03	NO	182.2	91.8	0.574	
19	13C-1,2,3,7,8-PeCDD	219614.516	0.623	NO	0.743	10.078	31.27	31.29	1.23	1.23	NO	186.6	94.0	0.497	
20	13C-1,2,3,4,7,8-HxCDD	156007.078	1.299	NO	0.646	10.078	34.64	34.64	1.01	1.01	NO	150.7	75.9	1.21	
21	13C-1,2,3,6,7,8-HxCDD	219443.508	1.324	NO	0.777	10.078	34.73	34.75	1.02	1.02	NO	176.4	88.9	1.01	
22	13C-1,2,3,7,8,9-HxCDD	187828.555	1.407	NO	0.659	10.078	35.01	35.02	1.02	1.03	NO	177.8	89.6	1.19	
23	13C-1,2,3,4,6,7,8-HpCDD	137352.472	1.117	NO	0.534	10.078	38.51	38.52	1.13	1.13	NO	160.5	80.9	1.25	
24	13C-OCDD	229437.289	0.930	NO	0.470	10.078	41.79	41.80	1.22	1.22	NO	304.5	76.7	1.21	
25	13C-2,3,7,8-TCDF	416981.313	0.740	NO	0.977	10.078	25.14	25.14	0.99	0.99	NO	162.0	81.6	0.657	
26	13C-1,2,3,7,8-PeCDF	327373.750	1.480	NO	0.778	10.078	29.96	29.98	1.18	1.18	NO	159.8	80.5	1.19	
27	13C-2,3,4,7,8-PeCDF	304613.547	1.525	NO	0.750	10.078	30.95	30.97	1.22	1.22	NO	154.2	77.7	1.23	
28	13C-1,2,3,4,7,8-HxCDF	239149.461	0.519	NO	0.845	10.078	33.77	33.78	0.99	0.99	NO	176.6	89.0	1.39	
29	13C-1,2,3,6,7,8-HxCDF	291114.688	0.510	NO	1.03	10.078	33.89	33.89	0.99	0.99	NO	177.0	89.2	1.14	
30	13C-2,3,4,6,7,8-HxCDF	242439.367	0.531	NO	0.893	10.078	34.46	34.47	1.01	1.01	NO	169.5	85.4	1.31	

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-3.qld

Last Altered: Thursday, December 19, 2019 15:23:41 Pacific Standard Time
Printed: Thursday, December 19, 2019 15:28:48 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt/Vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	220671.070	0.495	NO	0.734	10.078	35.37	35.35	1.04	1.03	NO	187.6	94.5	1.60	
32	13C-1,2,3,4,6,7,8-HpCDF	220386.133	0.447	NO	0.754	10.078	37.08	37.09	1.09	1.09	NO	182.4	91.9	1.31	
33	13C-1,2,3,4,7,8,9-HpCDF	139012.700	0.429	NO	0.539	10.078	39.11	39.15	1.14	1.15	NO	161.0	81.1	1.83	
34	13C-OCDF	321078.782	0.878	NO	0.593	10.078	41.97	41.99	1.23	1.23	NO	338.3	85.2	1.15	
35	37Cl-2,3,7,8-TCDD	113509.148			1.07	10.078	26.15	26.15	1.03	1.03	NO	66.98	84.4	0.133	
36	13C-1,2,3,4-TCDD	314460.563	0.822	NO	1.00	10.078	25.45	25.43	1.00	1.00	NO	198.5	100	0.602	
37	13C-1,2,3,4-TCDF	522710.719	0.740	NO	1.00	10.078	23.55	23.54	1.00	1.00	NO	198.5	100	0.642	
38	13C-1,2,3,4,6,9-HxCDF	317900.297	0.511	NO	1.00	10.078	34.16	34.16	1.00	1.00	NO	198.5	100	1.17	
39	Total Tetra-Dioxins				0.925	10.078	24.62		0.00		NO			0.103	
40	Total Penta-Dioxins				0.905	10.078	29.96		0.00		NO			0.0807	
41	Total Hexa-Dioxins				0.967	10.078	33.63		0.00		NO	0.0000		0.105	0.1150
42	Total Hepta-Dioxins				1.04	10.078	38.80		0.00		NO	0.0000		0.154	0.5506
43	Total Tetra-Furans				0.938	10.078	23.61		0.00		NO			0.0296	
44	1st Func. Penta-Furans				0.976	10.078	27.04		0.00		NO			0.0217	
45	Total Penta-Furans				0.976	10.078	29.27		0.00		NO			0.0268	
46	Total Hexa-Furans				1.18	10.078	33.56		0.00		NO			0.0192	
47	Total Hepta-Furans				1.13	10.078	37.83		0.00		NO			0.0242	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-3.qld

Last Altered: Thursday, December 19, 2019 15:23:41 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:34:27 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
1									

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
1									

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
41	Total Hexa-Dioxins	0.00e0	0.00e0	1.050	YES	33.63	33.20	0.0000	0.05886
42	Total Hexa-Dioxins	0.00e0	0.00e0	1.626	YES	33.63	33.18	0.0000	0.05613

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.68e2	1.37e5	1.355	YES	38.53	38.54	0.0000	0.2029
42	Total Hepta-Dioxins	0.00e0	1.37e5	0.858	YES	38.80	37.51	0.0000	0.3477

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc	EMPC

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-3.qld

Last Altered: Thursday, December 19, 2019 15:23:41 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:34:27 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Dataset: Untitled

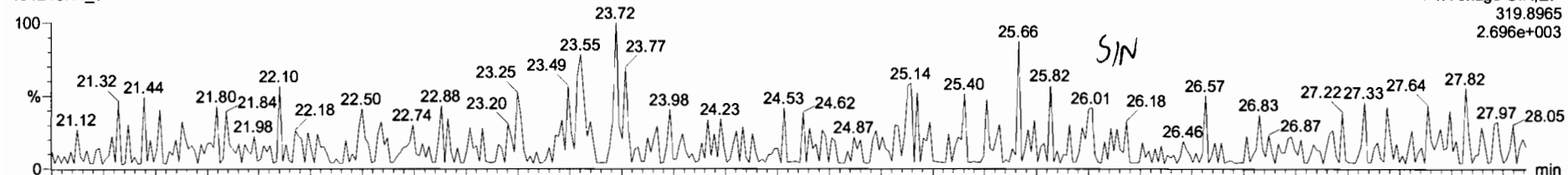
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

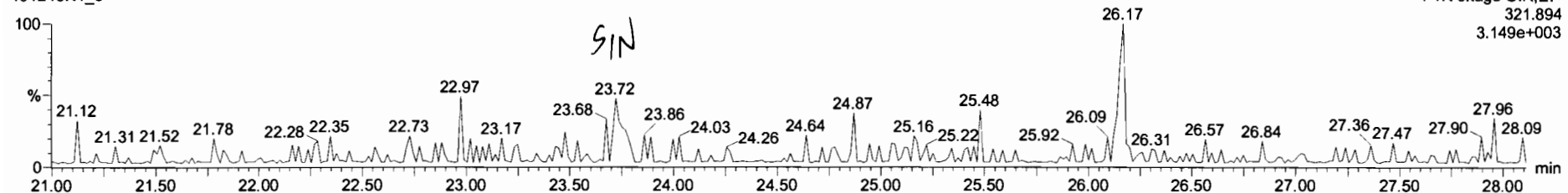
Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

2,3,7,8-TCDD

191218K1_3

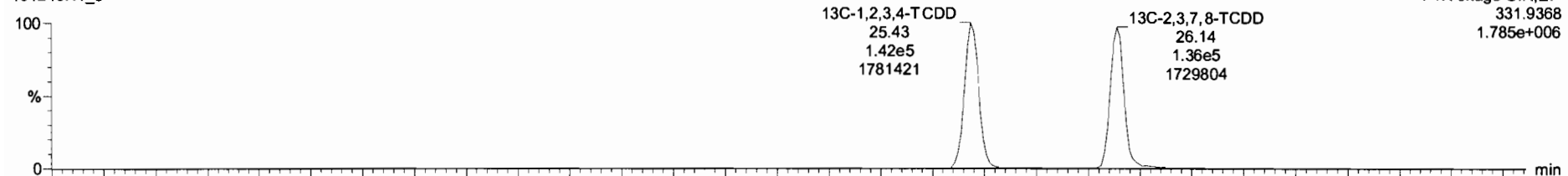


191218K1_3

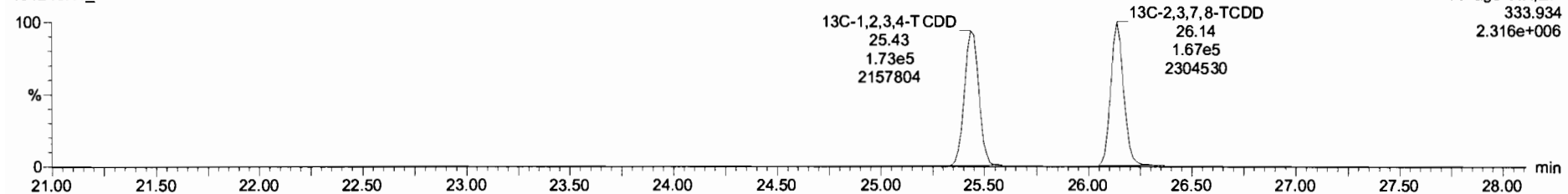


13C-2,3,7,8-TCDD

191218K1_3



191218K1_3



Dataset: Untitled

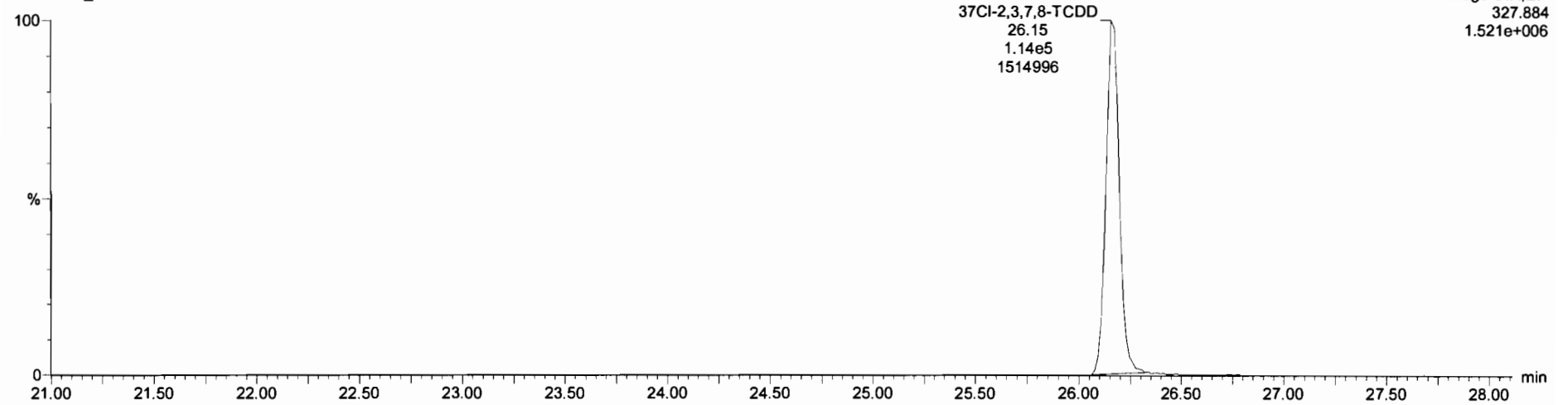
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

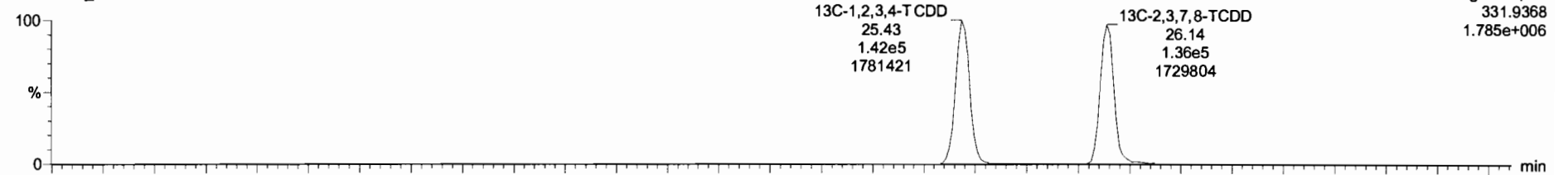
37Cl-2,3,7,8-TCDD

191218K1_3

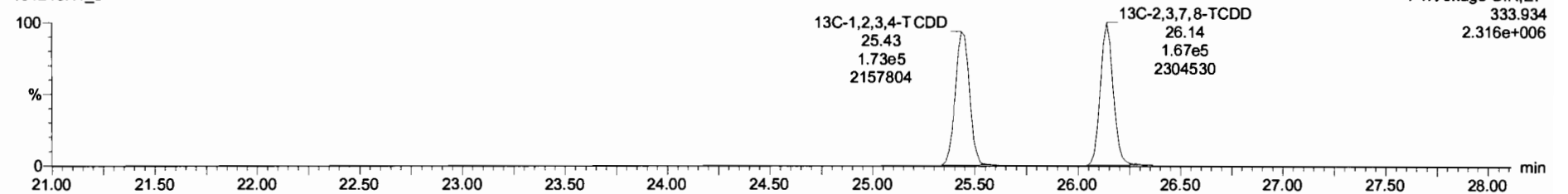


13C-1,2,3,4-TCDD

191218K1_3



191218K1_3



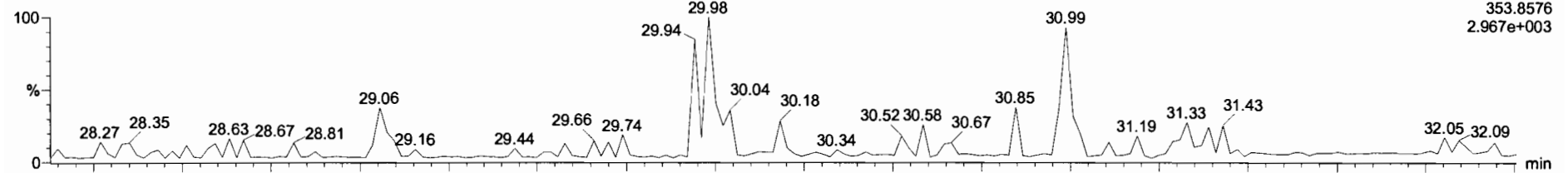
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

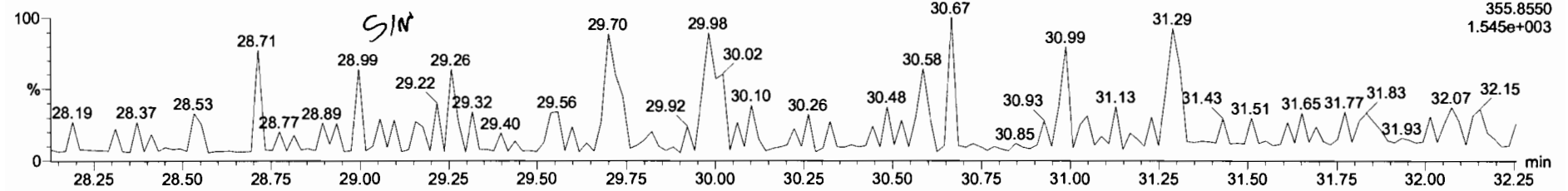
Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

1,2,3,7,8-PeCDD

191218K1_3

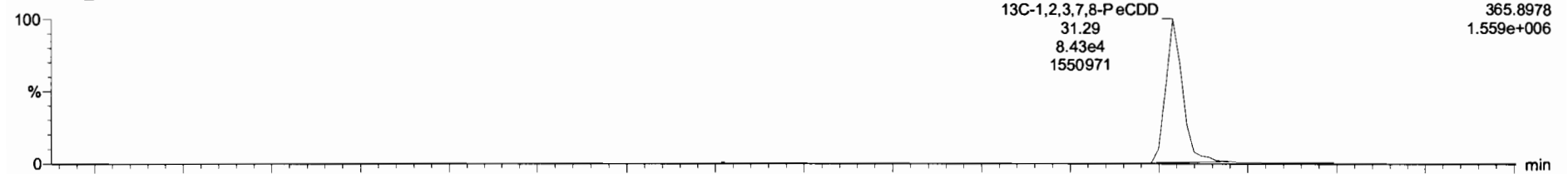


191218K1_3

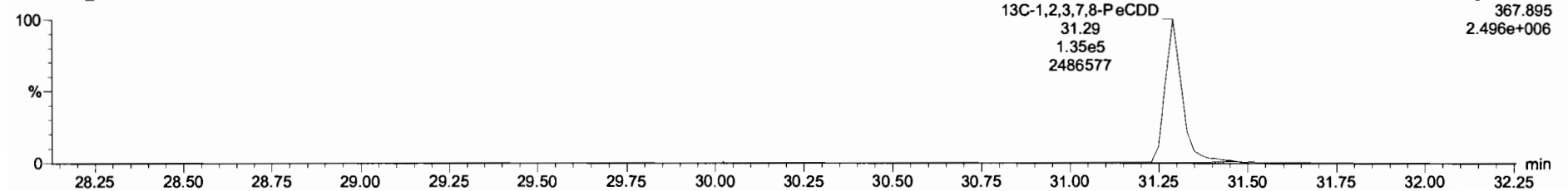


13C-1,2,3,7,8-PeCDD

191218K1_3



191218K1_3



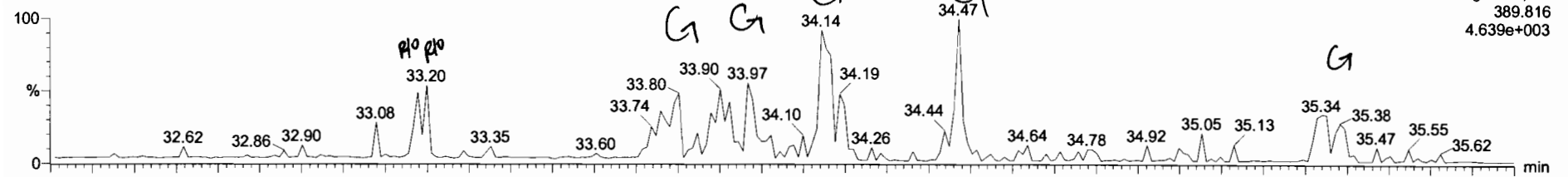
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

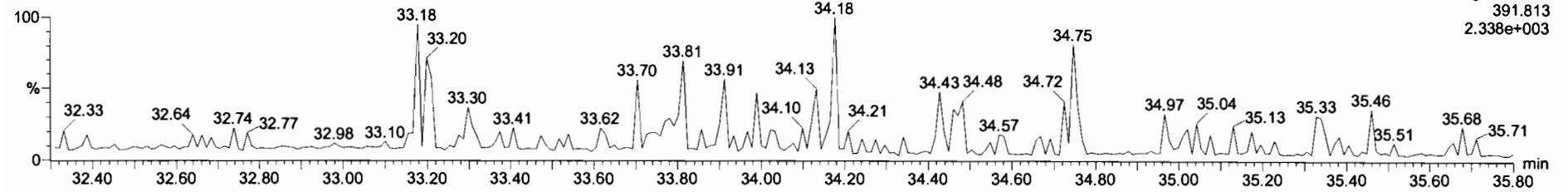
Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

1,2,3,4,7,8-HxCDD

191218K1_3

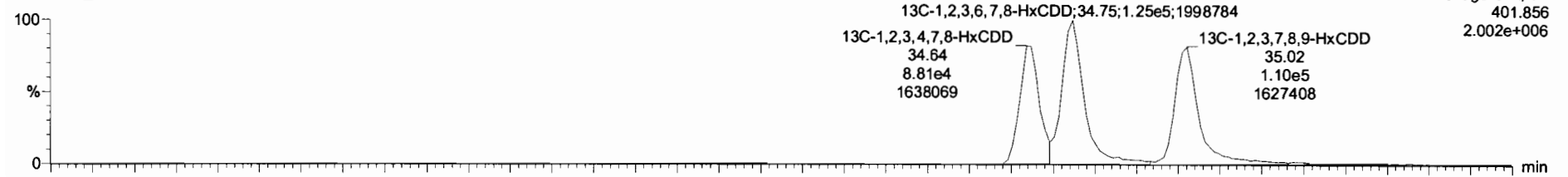


191218K1_3

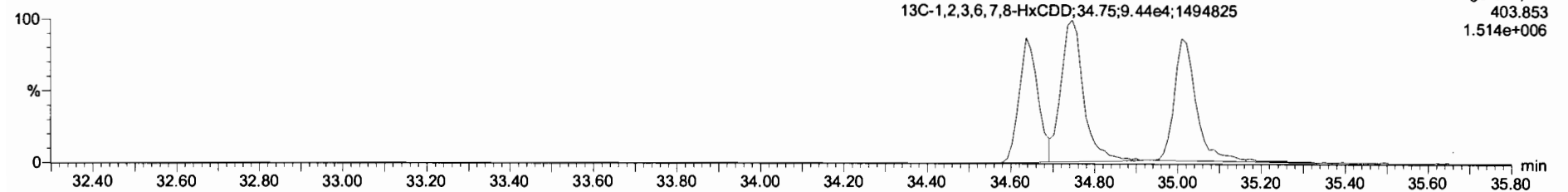


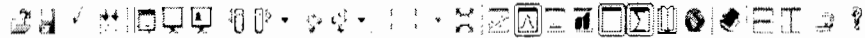
13C-1,2,3,4,7,8-HxCDD

191218K1_3



191218K1_3

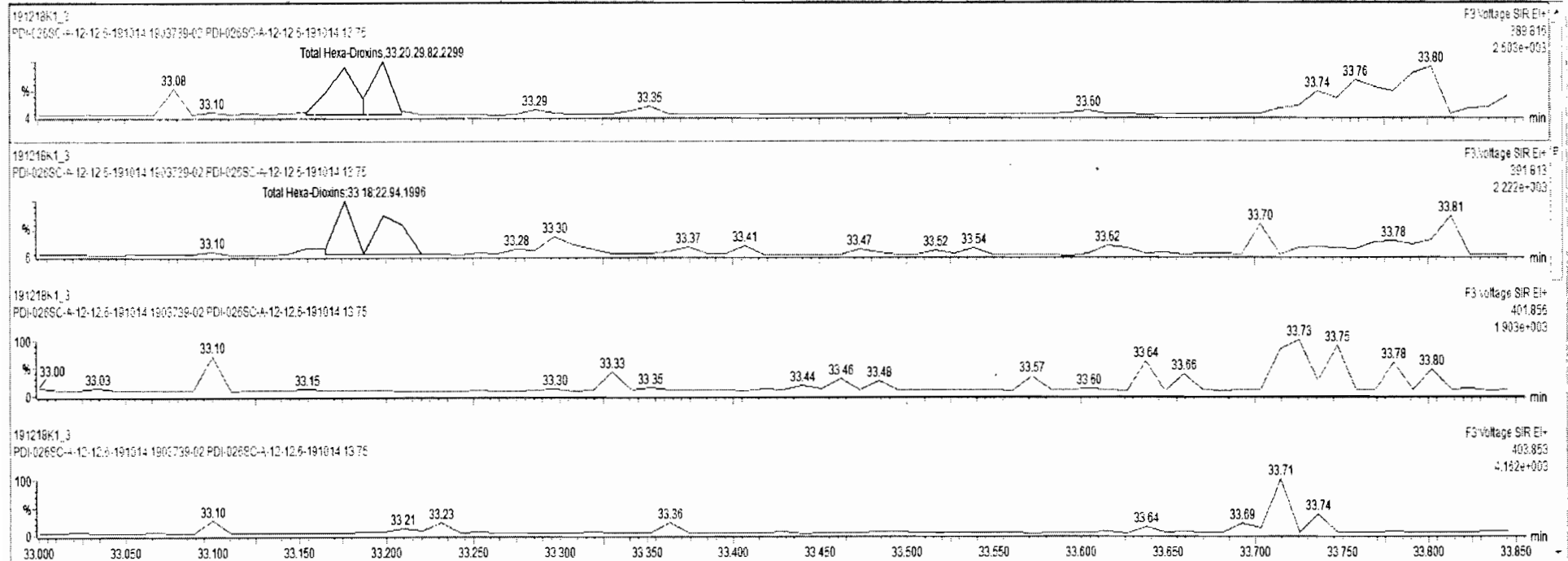




191218K1_3 - 1903739-02 PDI-026SC-A-12-12-6-191014 13 75 - PDI-026SC-A-12-12-6-191014

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred. RT	RT	Pred. R.	RRT	RRT Tol	Conc.	%Rec	DL	EMPC
35	25 37Cl-2,3,7,8-TCDD	1.14e5			1.0695	10.078	26.15	26.15	1.028	1.028	NO	66.98	84.4	0.133	
36	36 13C-1,2,3,4-TCDD	3.14e5	0.82	NO	1.0600	10.078	25.45	25.43	1.000	1.000	NO	198.5	100	0.602	
37	37 13C-1,2,3,4-TCDF	5.23e5	0.74	NO	1.0000	10.078	23.55	23.54	1.000	1.000	NO	198.5	100	0.642	
38	38 13C-1,2,3,4,6,9-HxCDF	3.18e5	0.51	NO	1.0000	10.078	24.16	24.16	1.000	1.000	NO	198.5	100	1.17	
39	39 Total Tetra-Dioxins				0.9249	10.078	24.62		0.000		NO			0.103	
40	40 Total Penta-Dioxins				0.9046	10.078	29.56		0.000		NO			0.0807	
41	41 Total Hexa-Dioxins				0.9675	10.078	33.63		0.000		NO	0.0000		0.105	0.1150
42	42 Total Hepta-Dioxins				1.0375	10.078	38.90		0.000		NO			0.154	
43	43 Total Tetra-Furans				0.9376	10.078	23.61		0.000		NO			0.0296	
44	44 1st Func. Penta-Furans				0.9762	10.078	27.04		0.000		NO			0.0217	
45	45 Total Penta-Furans				0.9762	10.078	29.27		0.000		NO			0.0268	
46	46 Total Hexa-Furans				1.1836	10.078	32.56		0.000		NO			0.0192	
47	47 Total Hepta-Furans				1.1300	10.078	27.83		0.000		NO			0.0242	

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	41 Total Hexa-Dioxins	33.63	33.18	0.730e1	2.294e1	1.240	1.63	YES	0.056133	0.00000
2	41 Total Hexa-Dioxins	33.63	33.20	2.982e1	2.640e1	1.240	1.05	YES	0.058656	0.00000



Dataset: Untitled

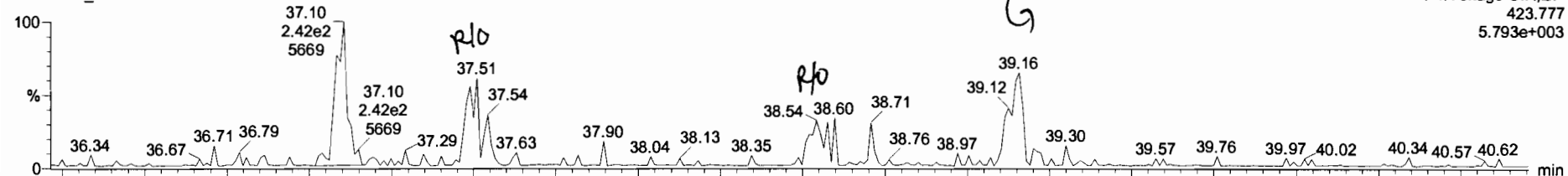
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

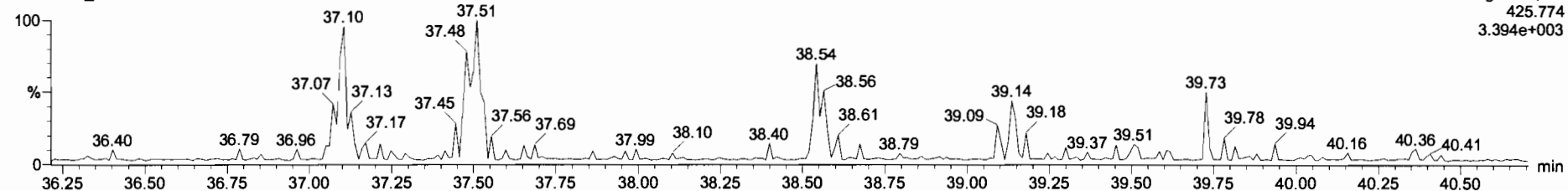
1,2,3,4,6,7,8-HpCDD

191218K1_3



F4:Voltage SIR,EI+
423.777
5.793e+003

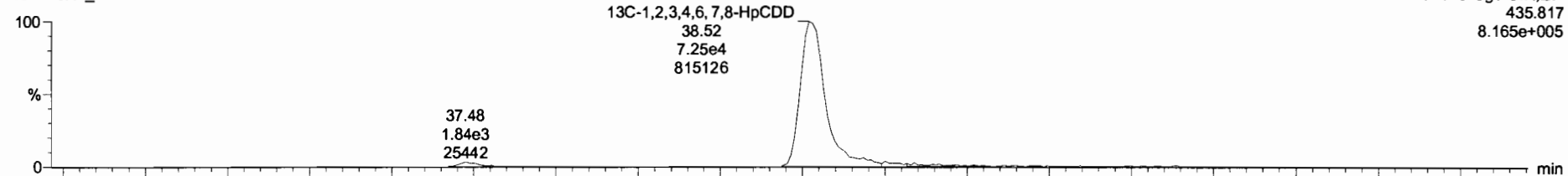
191218K1_3



F4:Voltage SIR,EI+
425.774
3.394e+003

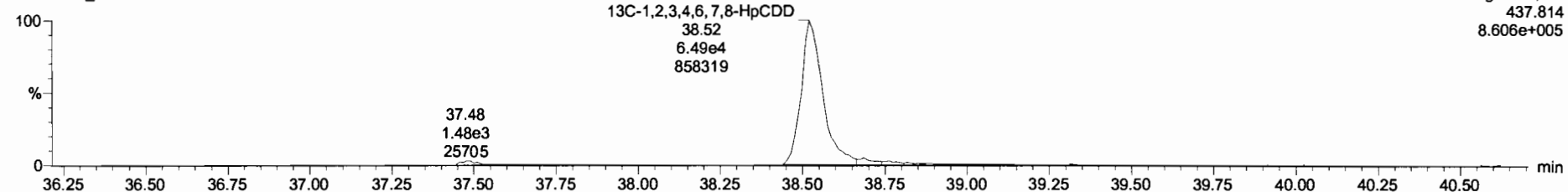
13C-1,2,3,4,6,7,8-HpCDD

191218K1_3



F4:Voltage SIR,EI+
435.817
8.165e+005

191218K1_3



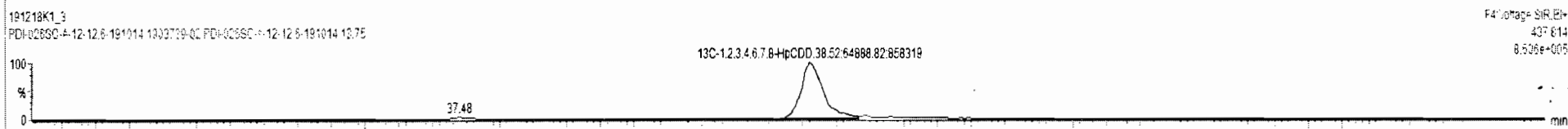
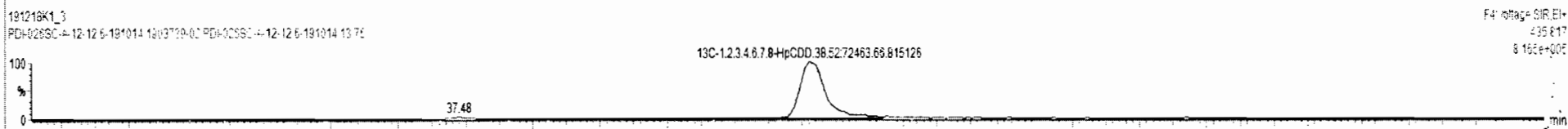
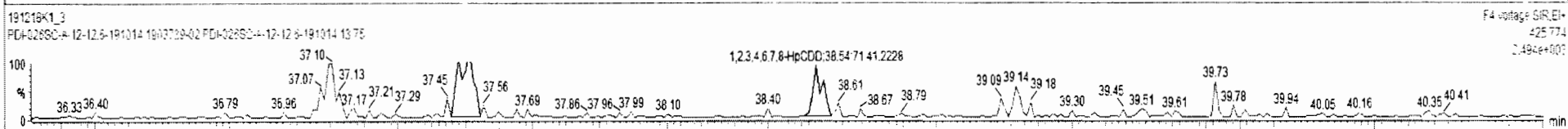
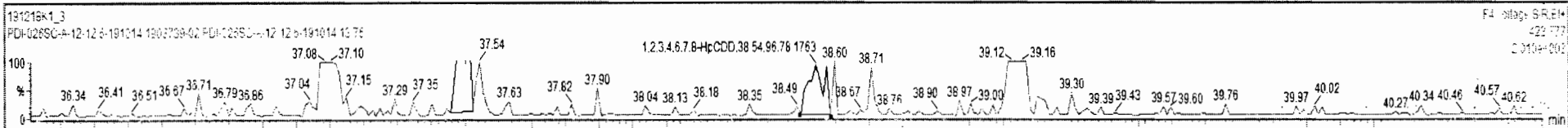
F4:Voltage SIR,EI+
437.814
8.606e+005



191218K1_3 - 1903739-02 PDI-026SC-A-12-12-6-191014 13.75 - PDI-026SC-A-12-12-6-191014

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.14e5			1.9695	10.078	26.15	26.15	1.028	1.028	NO	66.98	84.4	0.132	
36	13C-1,2,3,4-TCDD	3.14e5	0.82	NO	1.0000	10.078	25.45	25.43	1.000	1.000	NO	159.5	100	0.662	
37	13C-1,2,3,4-TCDF	5.23e5	0.74	NO	1.0000	10.078	23.55	23.54	1.000	1.000	NO	198.5	100	0.642	
38	13C-1,2,3,4,6,9-HxCDF	3.18e5	0.51	NO	1.0000	10.078	34.16	34.16	1.000	1.000	NO	156.5	100	1.17	
39	Total Tetra-Dioxins				0.9245	10.078	24.62		0.000		NO			0.103	
40	Total Penta-Dioxins				0.9646	10.078	29.56		0.000		NO			0.0807	
41	Total Hexa-Dioxins				0.9675	10.078	33.63		0.000		NO	0.0000		0.105	0.1150
42	Total Hepta-Dioxins				1.0375	10.078	38.80		0.000		NO	0.0000		0.154	0.5506
43	Total Tetra-Furans				0.9078	10.078	23.61		0.000		NO			0.0296	
44	1st Func Penta-Furans				0.9762	10.078	27.04		0.000		NO			0.0217	
45	Total Penta-Furans				0.9762	10.078	29.27		0.000		NO			0.0268	
46	Total Hexa-Furans				1.1806	10.078	33.56		0.000		NO			0.0152	
47	Total hepta-Furans				1.1300	10.078	37.83		0.000		NO			0.0242	

#	Name	Pred RT	RT	ml Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDD	38.53	38.54	6.678e1	7.141e1	1.040	1.36	YES	0.20288	0.00000
2	Total Hepta-Dioxins	38.80	37.51	1.273e2	1.484e2	1.040	0.86	YES	0.34774	0.00000

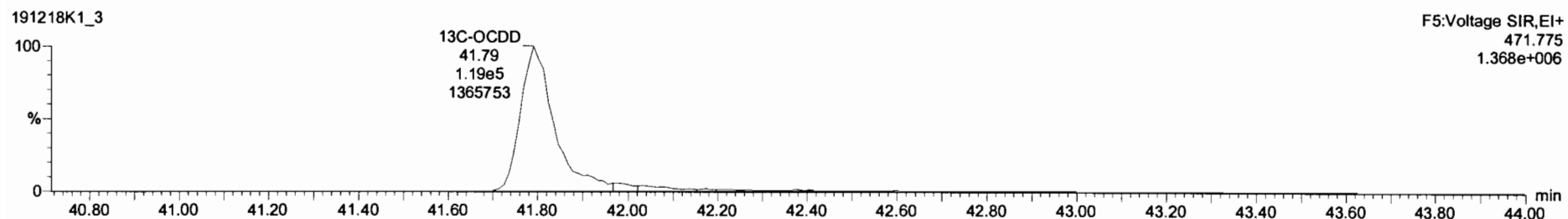
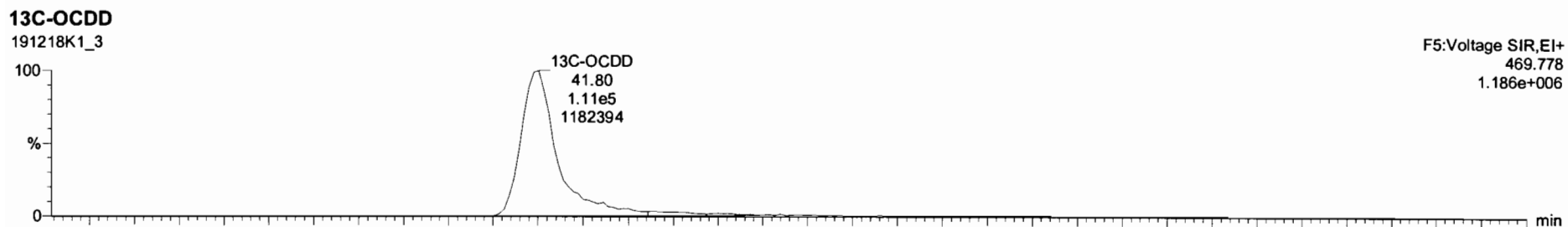
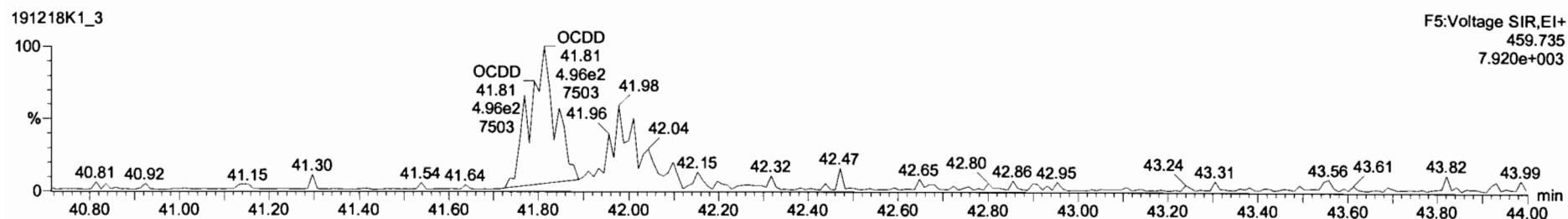
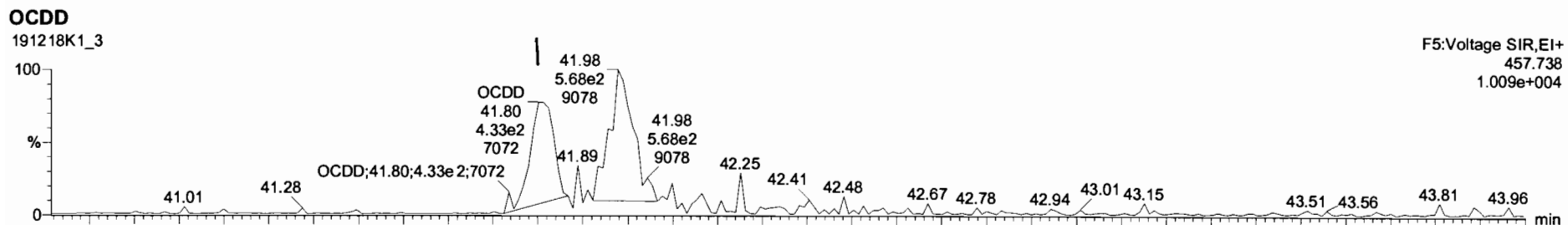


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

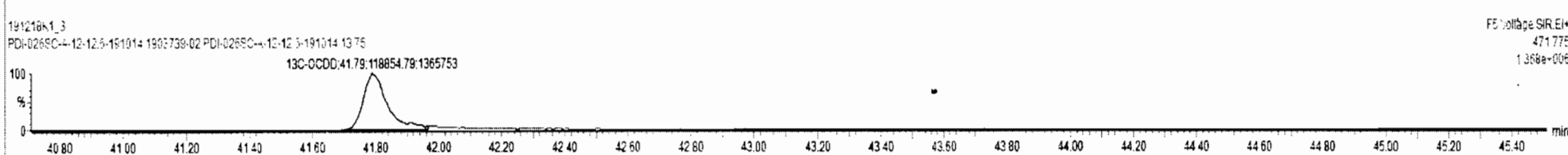
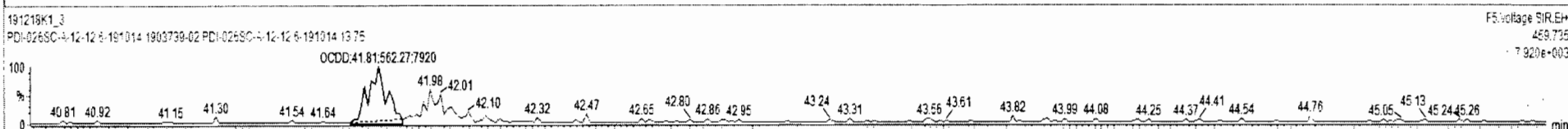
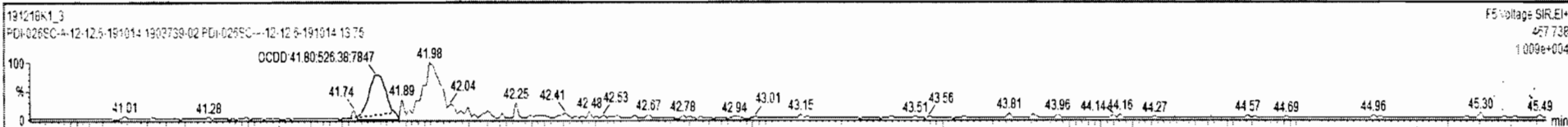




191218K1_3 - 1903739-02 PDI-026SC-A-12-12-6-191014 13.75 - PDI-026SC-A-12-12-6-191014

#	Name	Resp	RA	nly	RRF	wVol	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
5	1,2,3,7,8,9-HxCDD				0.9778	10.078	35.96		1.001		YES			0.199	
6	1,2,3,4,6,7,8-HpCDD	1.69e2	1.36	YES	1.0375	10.078	38.53	39.54	1.000	1.001	NO	0.2342		0.154	0.2029
7	OCDD	1.09e3	0.94	NO	0.9718	10.078	41.80	41.80	1.000	1.000	NO	1.938		0.633	1.938
8	2,3,7,8-TCDF				0.9376	10.078	25.17		1.001		YES			0.0920	
9	1,2,3,7,8-PeCDF				0.9762	10.078	30.00		1.001		YES			0.0579	
10	2,3,4,7,8-PeCDF				1.0649	10.078	31.00		1.001		YES			0.0596	
11	1,2,3,4,7,8-HxCDF				1.2434	10.078	33.78		1.000		YES			0.0309	
12	1,2,3,6,7,8-HxCDF				1.0950	10.078	33.50		1.000		YES			0.0217	
13	2,3,4,6,7,8-HxCDF				1.1806	10.078	34.51		1.001		YES			0.0225	
14	1,2,3,7,8,9-HxCDF				1.0728	10.078	35.35		1.000		YES			0.0472	
15	1,2,3,4,6,7,8-HpCDF				1.1300	10.078	37.13		1.001		YES			0.0528	
16	1,2,3,4,7,8,9-HpCDF				1.2609	10.078	39.15		1.000		YES			0.0797	
17	OCDF				1.1025	10.078	41.96		1.000		YES			0.148	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1										



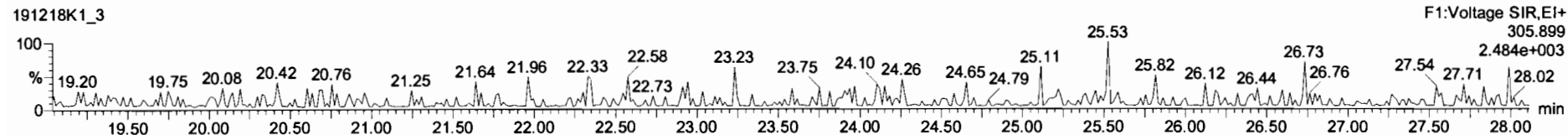
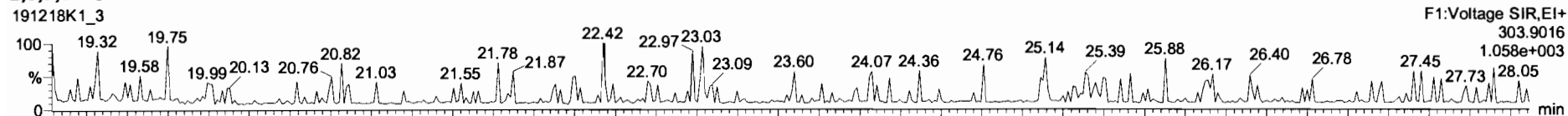
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

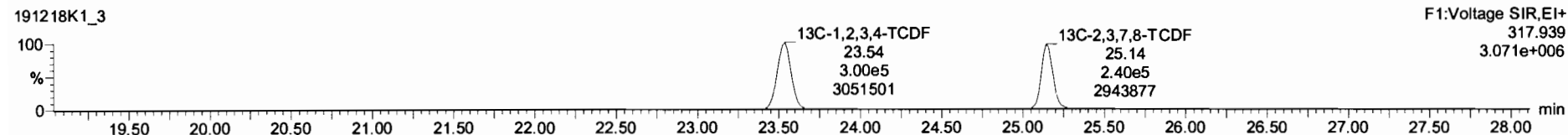
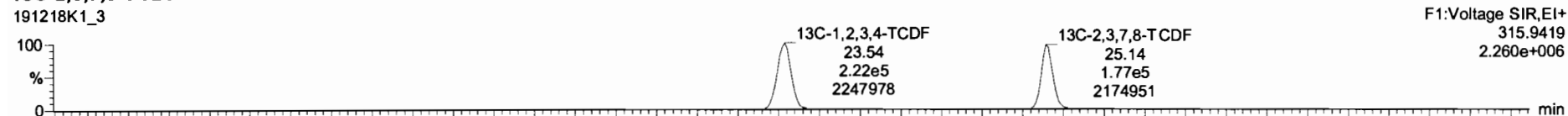
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

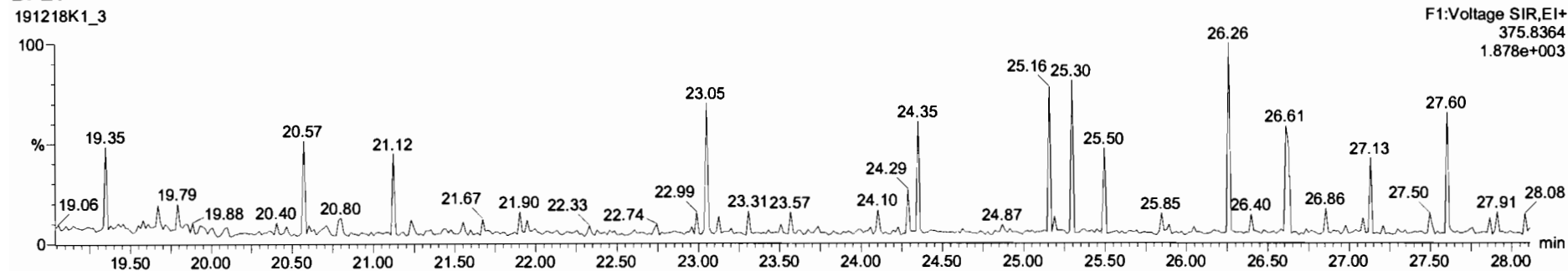
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1



Dataset: Untitled

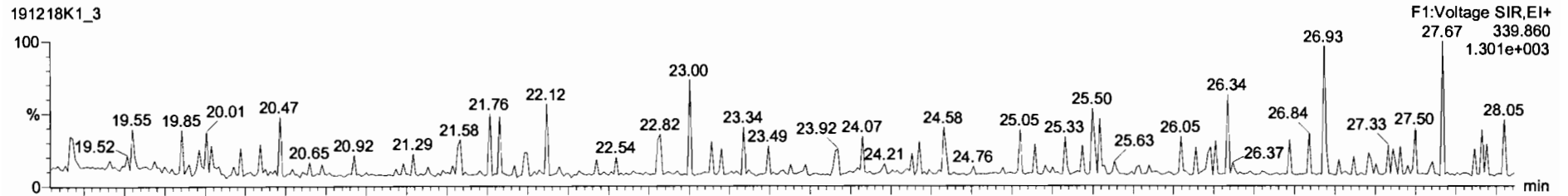
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

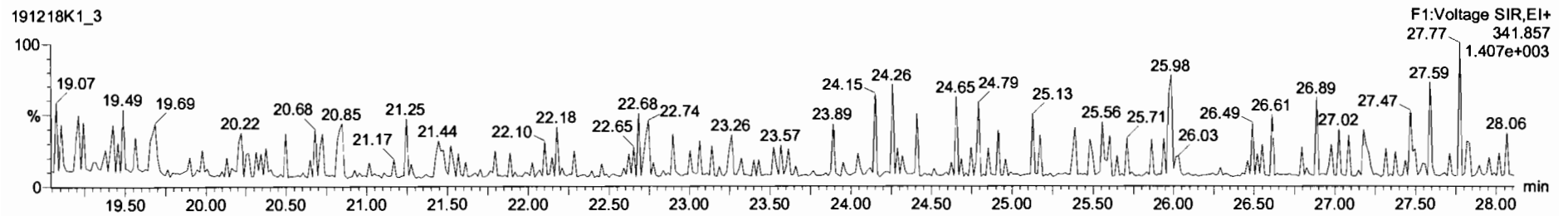
Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

1st Func. Penta-Furans

191218K1_3

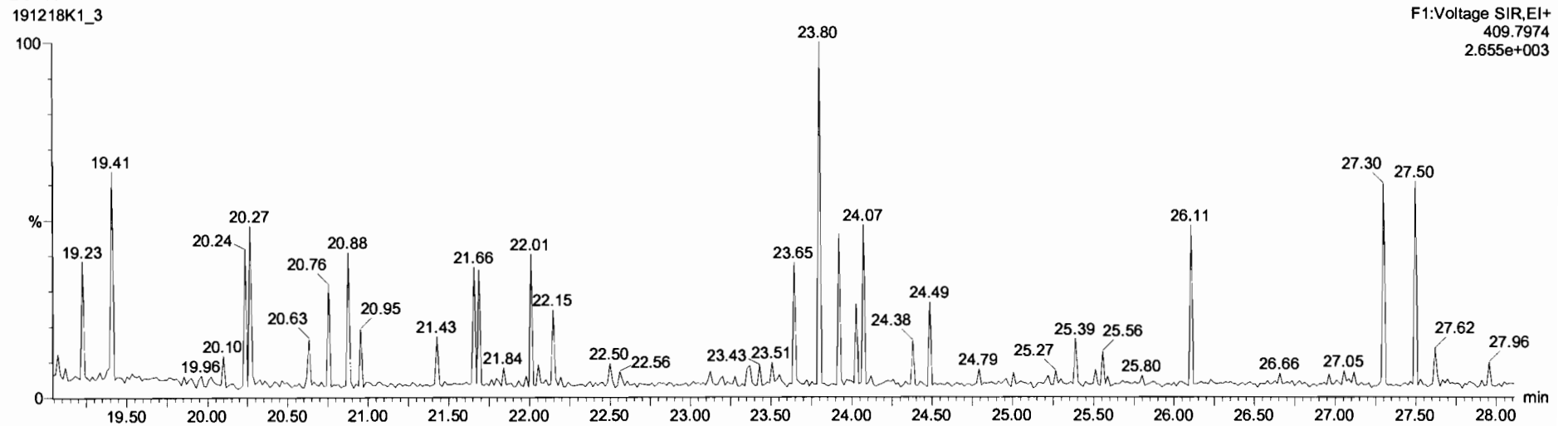


191218K1_3



DPE6

191218K1_3



Dataset: Untitled

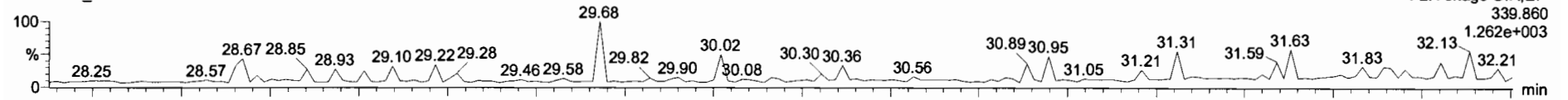
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

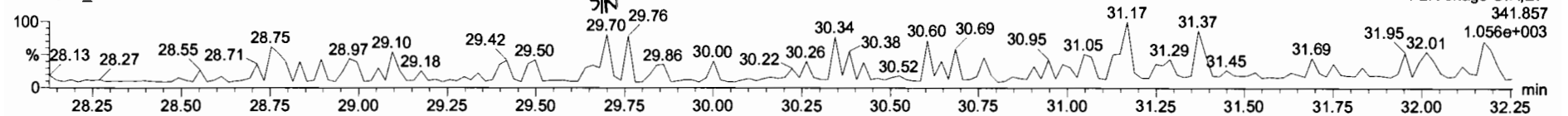
Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

1,2,3,7,8-PeCDF

191218K1_3

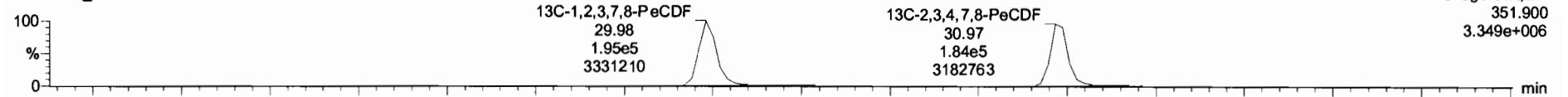


191218K1_3

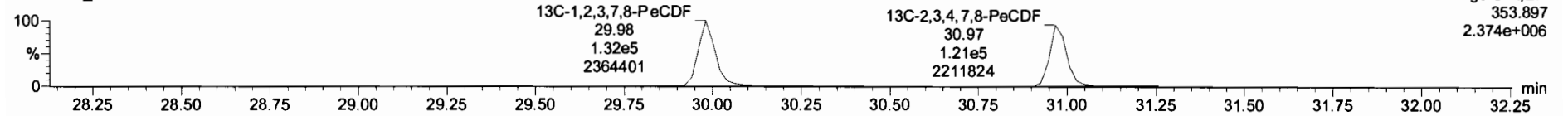


13C-1,2,3,7,8-PeCDF

191218K1_3

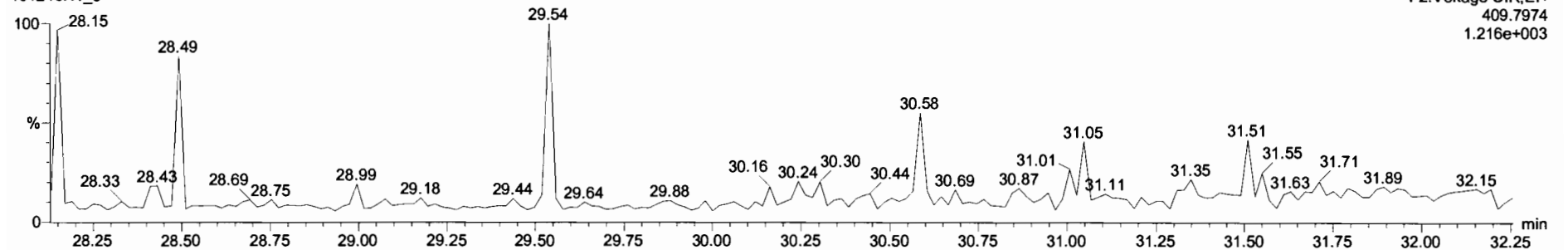


191218K1_3



DPE2

191218K1_3



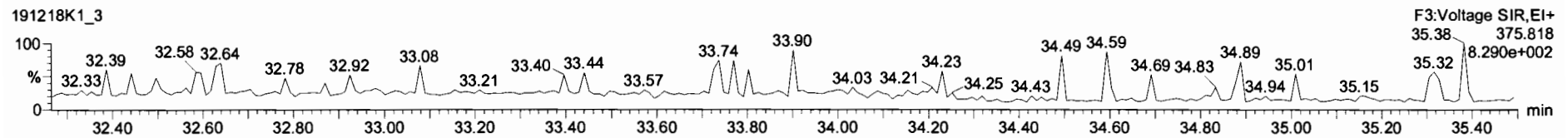
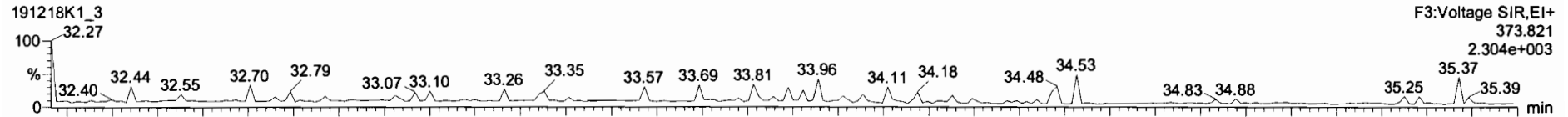
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

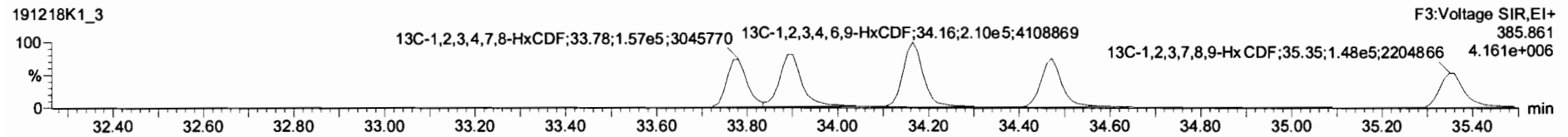
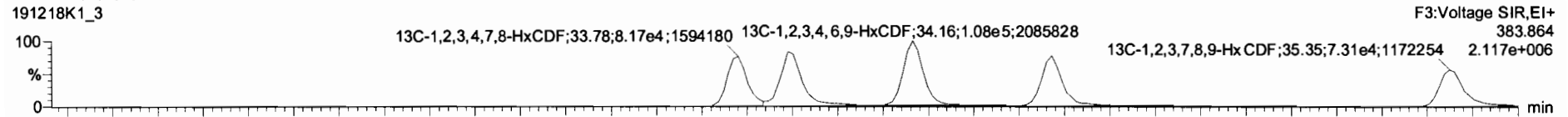
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

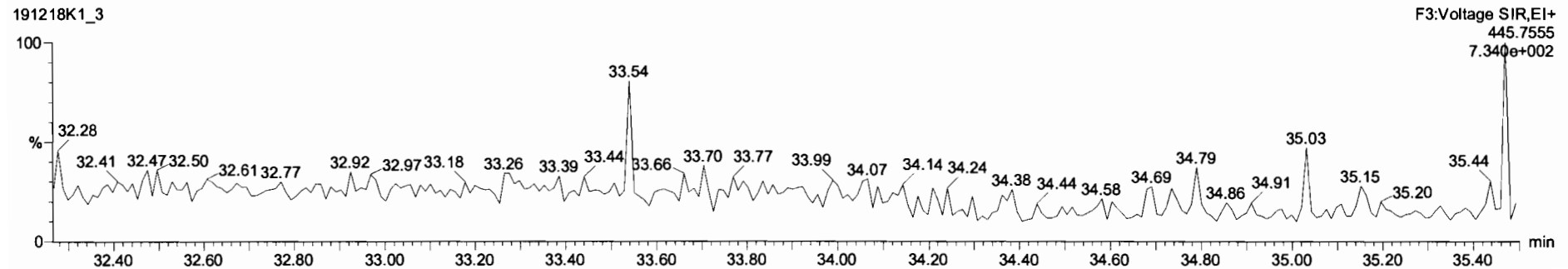
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3



Dataset: Untitled

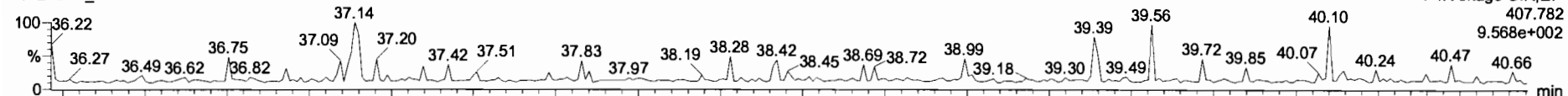
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

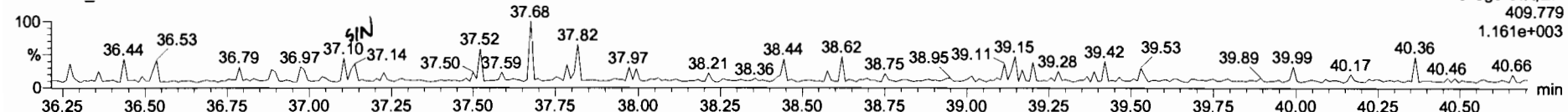
Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

1,2,3,4,6,7,8-HpCDF

191218K1_3

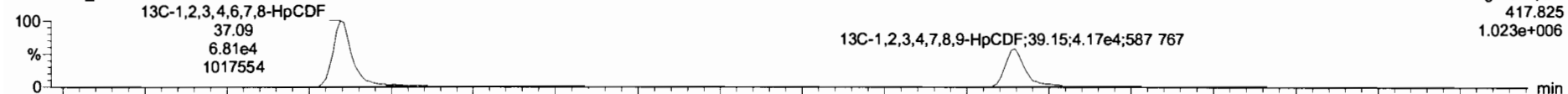


191218K1_3

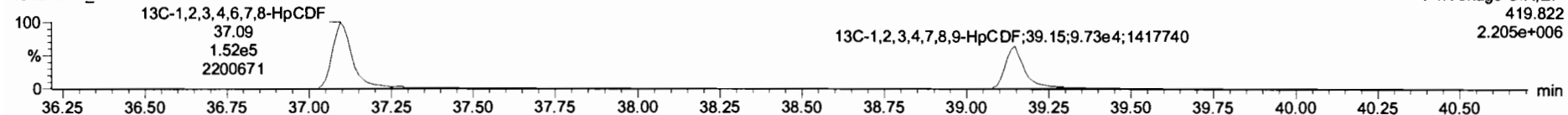


13C-1,2,3,4,6,7,8-HpCDF

191218K1_3

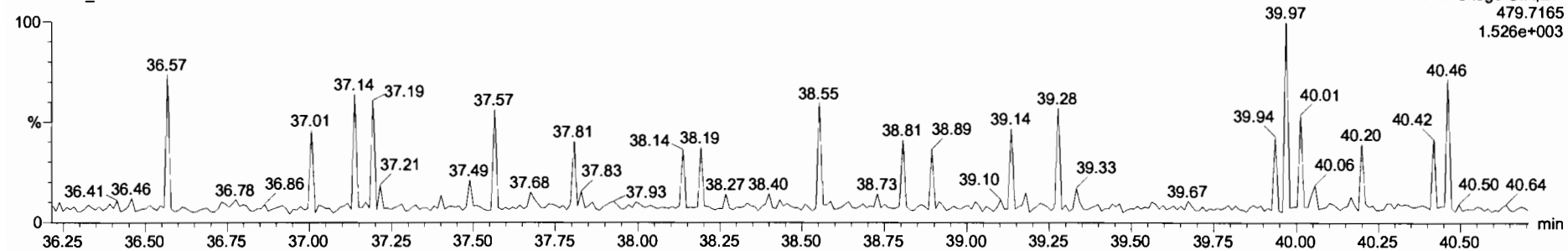


191218K1_3



DPE4

191218K1_3



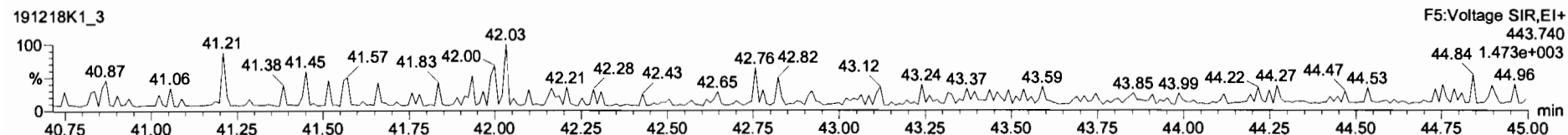
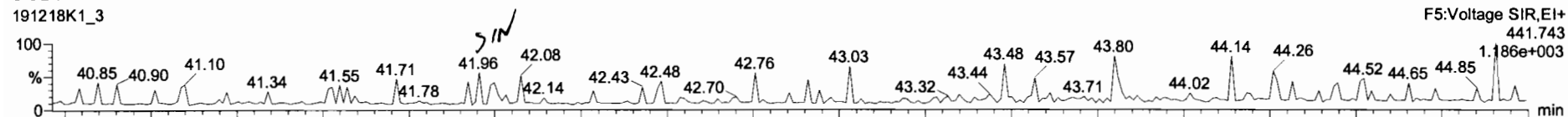
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

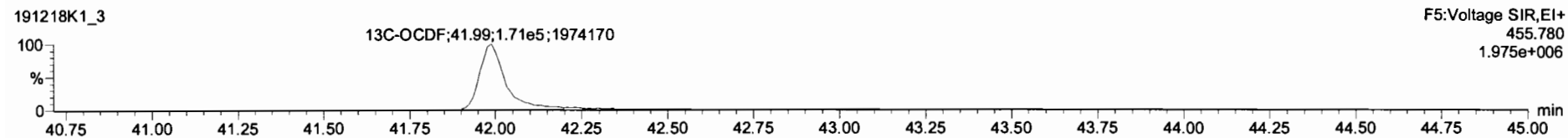
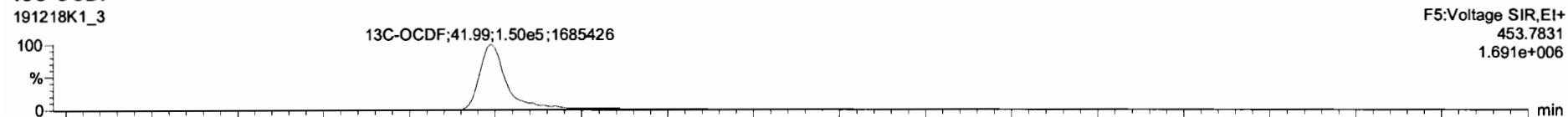
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014

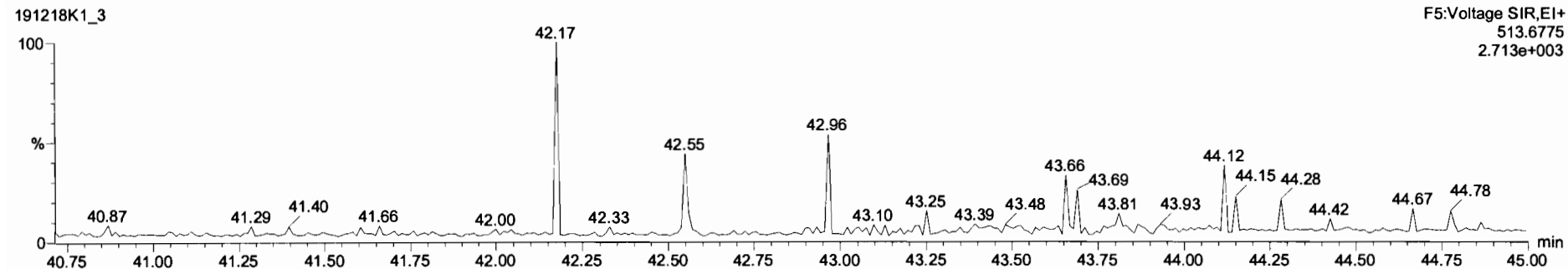
OCDF



13C-OCDF



DPE5

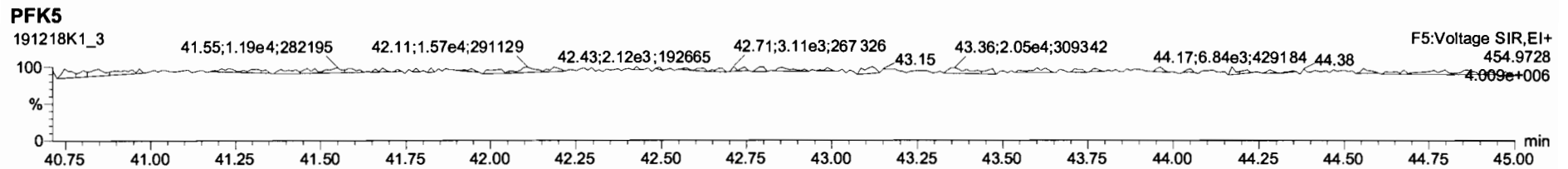
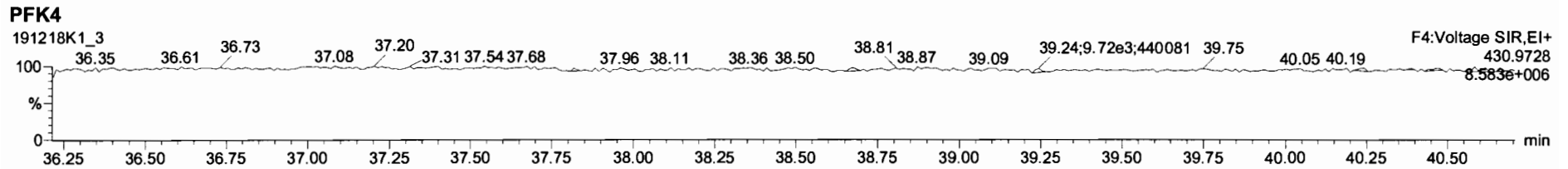
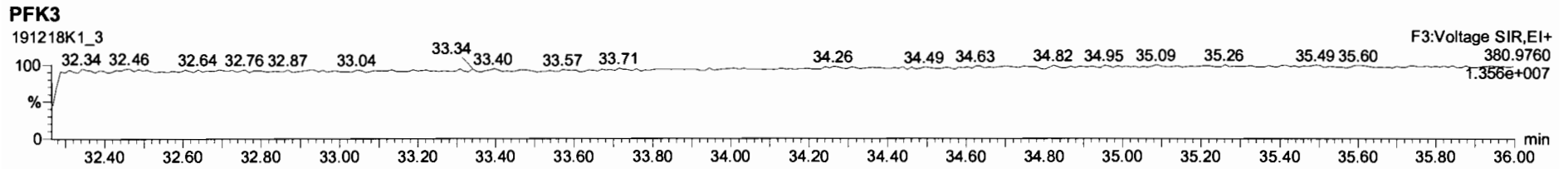
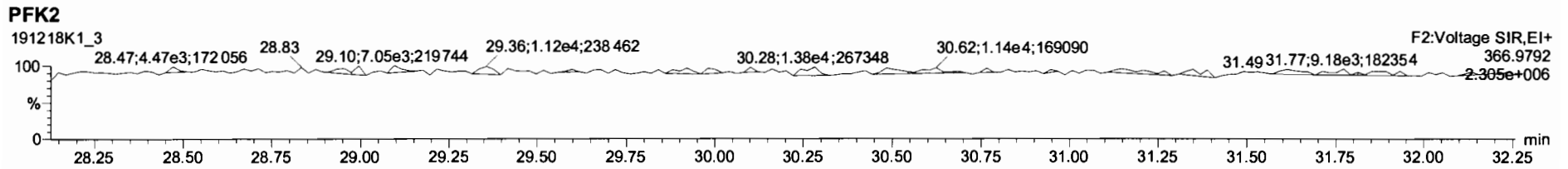
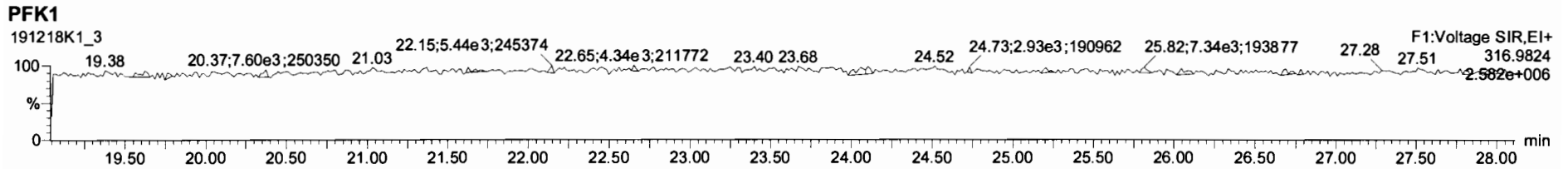


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_3, Date: 18-Dec-2019, Time: 19:10:06, ID: 1903739-02 PDI-026SC-A-12-12.6-191014 13.75, Description: PDI-026SC-A-12-12.6-191014



Dataset: U:\VG11.PRO\Results\191218K1\191218K1-4.qld

Last Altered: Thursday, December 19, 2019 15:40:16 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:43:10 Pacific Standard Time

EL 12/19/19

CT 12/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.925	10.267	26.17		1.00		YES			0.190	
2	1,2,3,7,8-PeCDD				0.905	10.267	31.31		1.00		YES			0.135	
3	1,2,3,4,7,8-HxCDD				1.07	10.267	34.65		1.00		YES			0.235	
4	1,2,3,6,7,8-HxCDD				0.967	10.267	34.74		1.00		YES			0.222	
5	1,2,3,7,8,9-HxCDD				0.978	10.267	35.04		1.00		YES			0.280	
6	1,2,3,4,6,7,8-HpCDD	596.817	1.060	NO	1.04	10.267	38.53	38.52	1.00	1.00	NO	0.9795		0.252	0.9795
7	OCDD	4212.004	0.891	NO	0.972	10.267	41.79	41.81	1.00	1.00	NO	7.587		0.630	7.587
8	2,3,7,8-TCDF				0.938	10.267	25.18		1.00		YES			0.0935	
9	1,2,3,7,8-PeCDF				0.976	10.267	30.00		1.00		YES			0.0645	
10	2,3,4,7,8-PeCDF				1.00	10.267	31.00		1.00		YES			0.0684	
11	1,2,3,4,7,8-HxCDF				1.24	10.267	33.77		1.00		YES			0.0404	
12	1,2,3,6,7,8-HxCDF				1.10	10.267	33.90		1.00		YES			0.0421	
13	2,3,4,6,7,8-HxCDF				1.18	10.267	34.49		1.00		YES			0.0474	
14	1,2,3,7,8,9-HxCDF				1.07	10.267	35.35		1.00		YES			0.0646	
15	1,2,3,4,6,7,8-HpCDF				1.13	10.267	37.13		1.00		YES			0.0425	
16	1,2,3,4,7,8,9-HpCDF				1.26	10.267	39.13		1.00		YES			0.0559	
17	OCDF				1.10	10.267	41.99		1.00		YES			0.204	
18	13C-2,3,7,8-TCDD	256795.757	0.778	NO	1.05	10.267	26.13	26.14	1.03	1.03	NO	180.9	92.8	0.666	
19	13C-1,2,3,7,8-PeCDD	180946.633	0.634	NO	0.743	10.267	31.27	31.29	1.23	1.23	NO	179.9	92.4	0.734	
20	13C-1,2,3,4,7,8-HxCDD	126604.098	1.253	NO	0.646	10.267	34.64	34.64	1.01	1.01	NO	156.4	80.3	1.43	
21	13C-1,2,3,6,7,8-HxCDD	165041.219	1.227	NO	0.777	10.267	34.73	34.74	1.02	1.02	NO	169.7	87.1	1.19	
22	13C-1,2,3,7,8,9-HxCDD	136526.445	1.214	NO	0.659	10.267	35.01	35.01	1.02	1.02	NO	165.3	84.8	1.40	
23	13C-1,2,3,4,6,7,8-HpCDD	114396.476	1.067	NO	0.534	10.267	38.51	38.52	1.13	1.13	NO	171.0	87.8	1.07	
24	13C-OCDD	222558.930	0.873	NO	0.470	10.267	41.79	41.79	1.22	1.22	NO	377.8	97.0	1.58	
25	13C-2,3,7,8-TCDF	348779.703	0.741	NO	0.977	10.267	25.14	25.16	0.99	0.99	NO	166.5	85.5	0.829	
26	13C-1,2,3,7,8-PeCDF	261387.219	1.528	NO	0.778	10.267	29.96	29.98	1.18	1.18	NO	156.8	80.5	1.35	
27	13C-2,3,4,7,8-PeCDF	261644.476	1.563	NO	0.750	10.267	30.95	30.97	1.22	1.22	NO	162.8	83.6	1.40	
28	13C-1,2,3,4,7,8-HxCDF	188124.277	0.516	NO	0.845	10.267	33.77	33.77	0.99	0.99	NO	177.7	91.2	1.89	
29	13C-1,2,3,6,7,8-HxCDF	228630.156	0.527	NO	1.03	10.267	33.89	33.89	0.99	0.99	NO	177.8	91.3	1.56	
30	13C-2,3,4,6,7,8-HxCDF	193391.415	0.541	NO	0.893	10.267	34.46	34.46	1.01	1.01	NO	172.9	88.8	1.79	

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-4.qld

Last Altered: Thursday, December 19, 2019 15:40:16 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:43:10 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

#	Name	Abs.Resp	RA	n/y	RRF	wL/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	174130.570	0.497	NO	0.734	10.267	35.37	35.35	1.04	1.03	NO	189.3	97.2	2.18	
32	13C-1,2,3,4,6,7,8-HpCDF	171445.421	0.453	NO	0.754	10.267	37.08	37.09	1.09	1.09	NO	181.5	93.2	1.28	
33	13C-1,2,3,4,7,8,9-HpCDF	117695.352	0.462	NO	0.539	10.267	39.11	39.13	1.14	1.15	NO	174.3	89.5	1.79	
34	13C-OCDF	305265.656	0.883	NO	0.593	10.267	41.97	41.99	1.23	1.23	NO	411.3	106	1.69	
35	37Cl-2,3,7,8-TCDD	102339.977			1.07	10.267	26.15	26.17	1.03	1.03	NO	70.69	90.7	0.113	
36	13C-1,2,3,4-TCDD	263706.875	0.794	NO	1.00	10.267	25.45	25.43	1.00	1.00	NO	194.8	100	0.699	
37	13C-1,2,3,4-TCDF	417357.890	0.744	NO	1.00	10.267	23.55	23.54	1.00	1.00	NO	194.8	100	0.810	
38	13C-1,2,3,4,6,9-HxCDF	243991.718	0.524	NO	1.00	10.267	34.16	34.16	1.00	1.00	NO	194.8	100	1.60	
39	Total Tetra-Dioxins				0.925	10.267	24.62		0.00		NO			0.124	
40	Total Penta-Dioxins				0.905	10.267	29.96		0.00		NO			0.0581	
41	Total Hexa-Dioxins				0.967	10.267	33.63		0.00		NO	0.0000		0.159	0.8485
42	Total Hepta-Dioxins				1.04	10.267	38.80		0.00		NO	2.695		0.252	2.695
43	Total Tetra-Furans				0.938	10.267	23.61		0.00		NO			0.0389	
44	1st Func. Penta-Furans				0.976	10.267	27.04		0.00		NO			0.0260	
45	Total Penta-Furans				0.976	10.267	29.27		0.00		NO			0.0281	
46	Total Hexa-Furans				1.18	10.267	33.56		0.00		NO			0.0293	
47	Total Hepta-Furans				1.13	10.267	37.83		0.00		NO			0.0240	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-4.qld

Last Altered: Thursday, December 19, 2019 15:40:16 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:43:27 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	41 Total Hexa-Dioxins	0.00e0	0.00e0	0.958	YES	33.63	33.19	0.0000	0.8485

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	42 Total Hepta-Dioxins	1.05e3	1.14e5	1.173	NO	38.80	37.50	1.715	1.715
2	6 1,2,3,4,6,7,8-HpCDD	5.97e2	1.14e5	1.060	NO	38.53	38.52	0.9795	0.9795

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-4.qld

Last Altered: Thursday, December 19, 2019 15:40:16 Pacific Standard Time

Printed: Thursday, December 19, 2019 15:43:27 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1									

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1									

Hepta-Furans

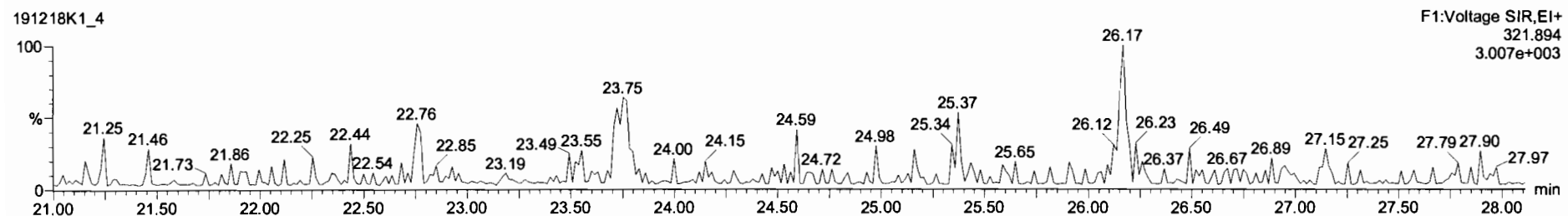
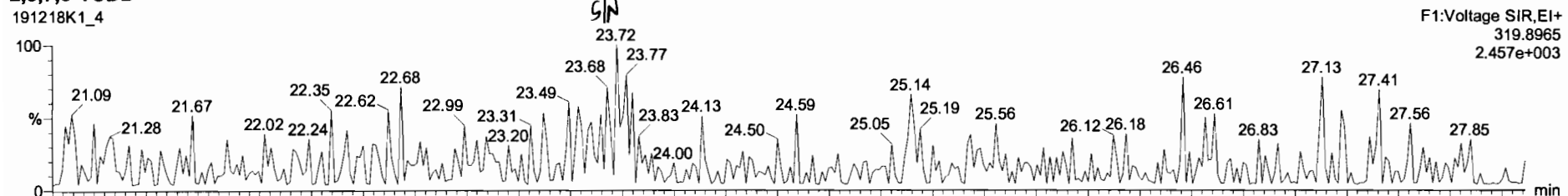
#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc	EMPC
1									

Dataset: Untitled

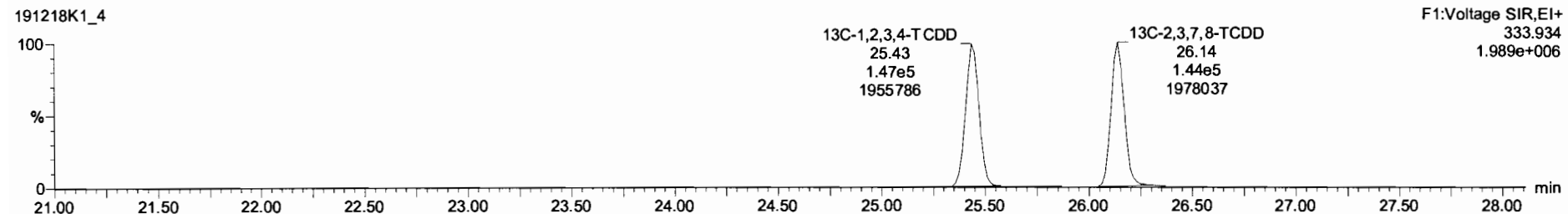
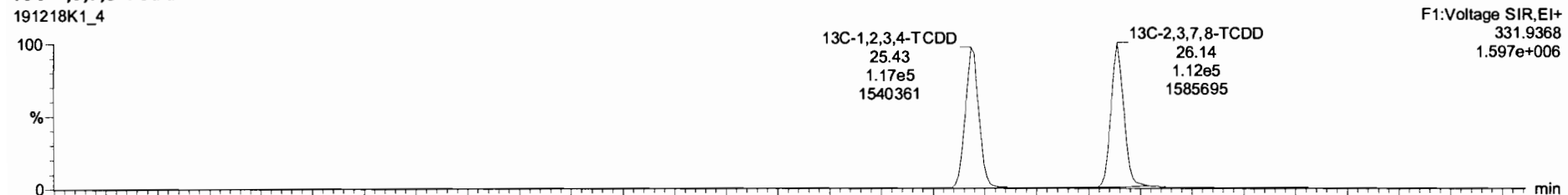
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

2,3,7,8-TCDD



13C-2,3,7,8-TCDD



Dataset: Untitled

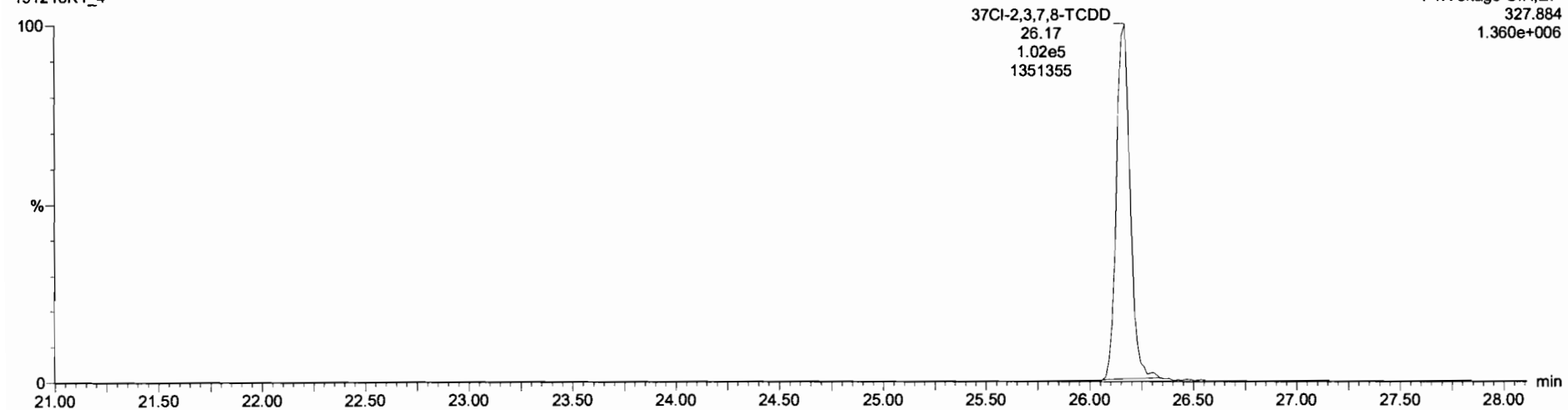
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

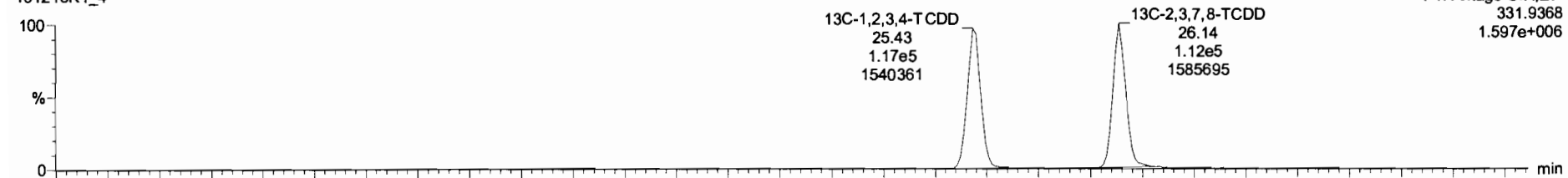
37Cl-2,3,7,8-TCDD

191218K1_4

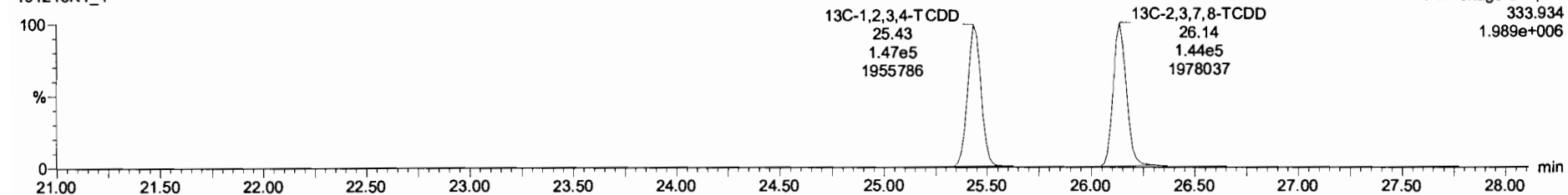


13C-1,2,3,4-TCDD

191218K1_4



191218K1_4



Dataset: Untitled

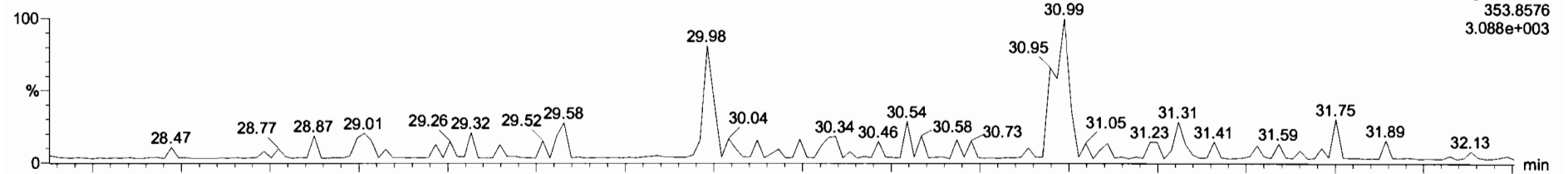
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

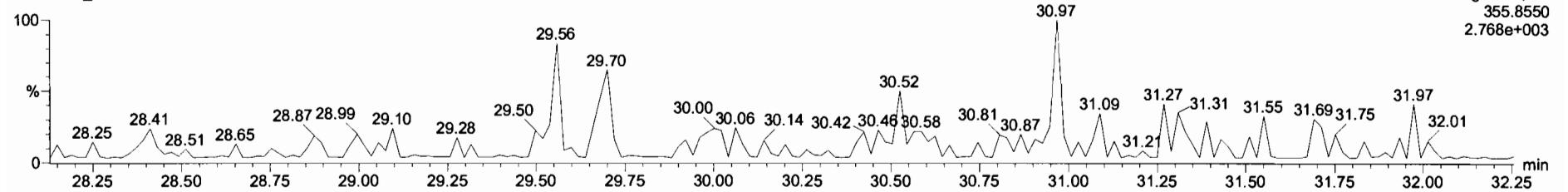
Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

1,2,3,7,8-PeCDD

191218K1_4

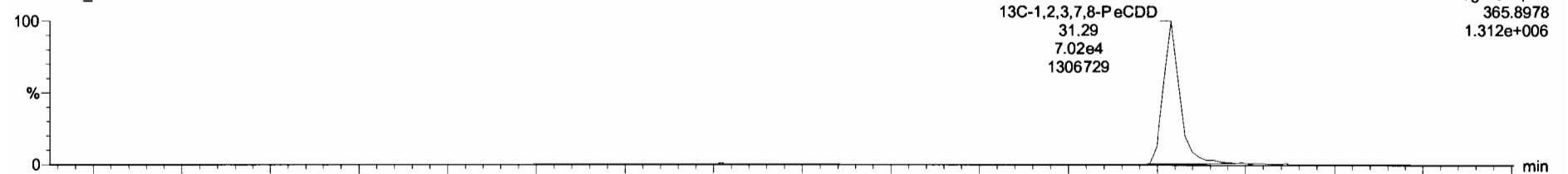


191218K1_4

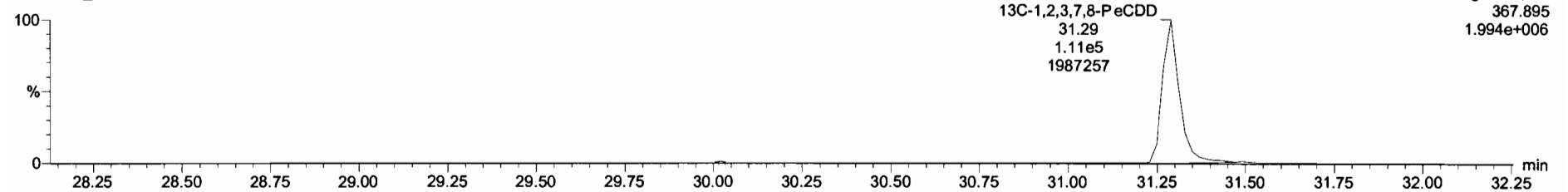


13C-1,2,3,7,8-PeCDD

191218K1_4



191218K1_4



Dataset: Untitled

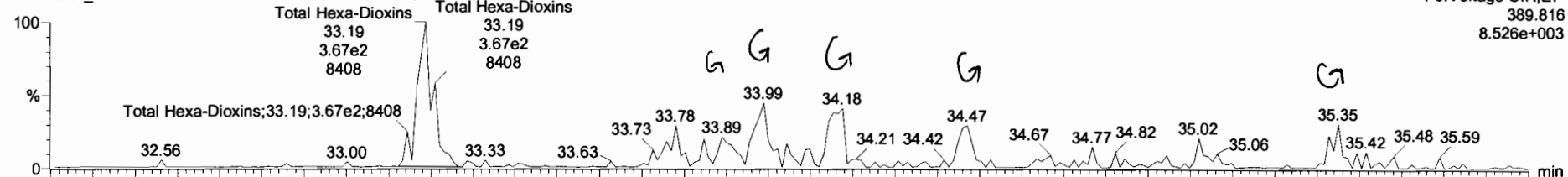
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

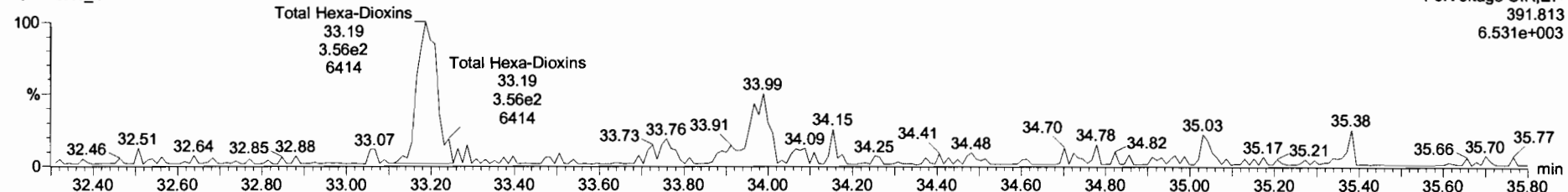
Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

1,2,3,4,7,8-HxCDD

191218K1_4

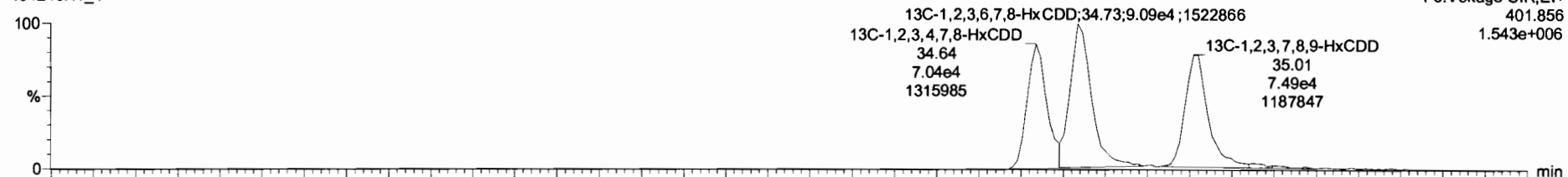


191218K1_4

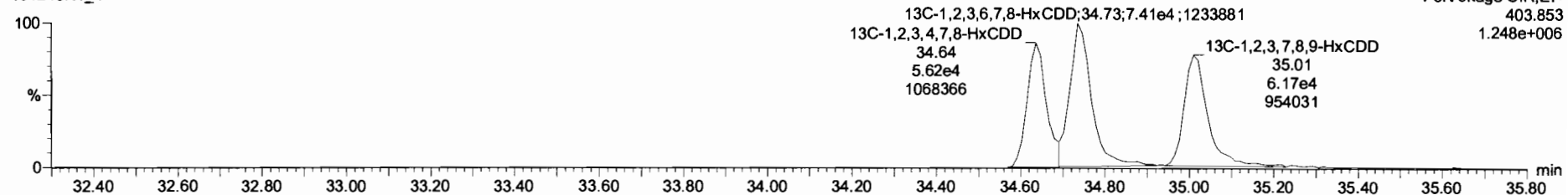


13C-1,2,3,4,7,8-HxCDD

191218K1_4

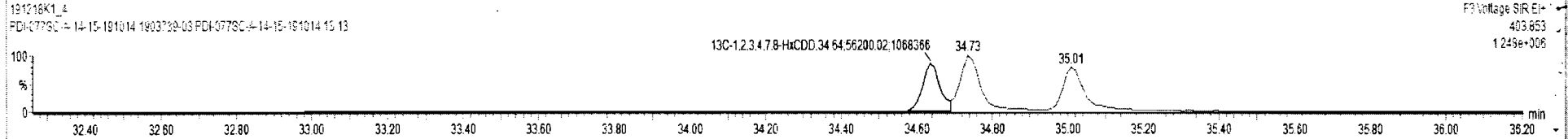
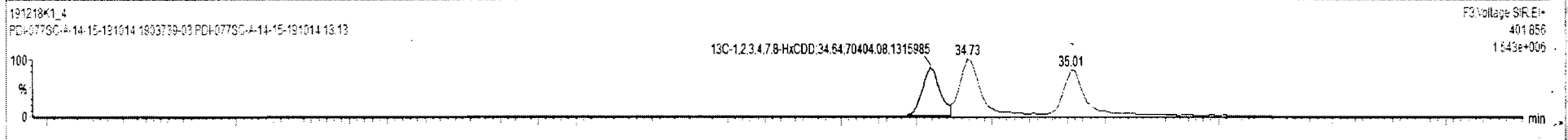
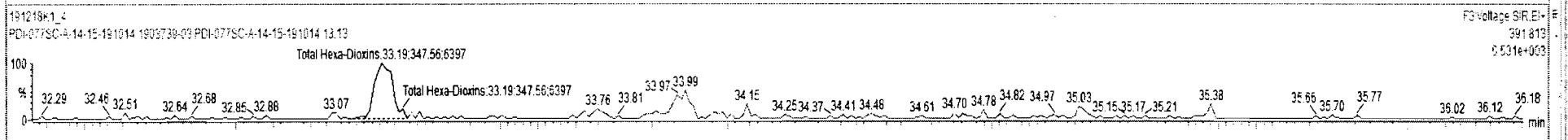
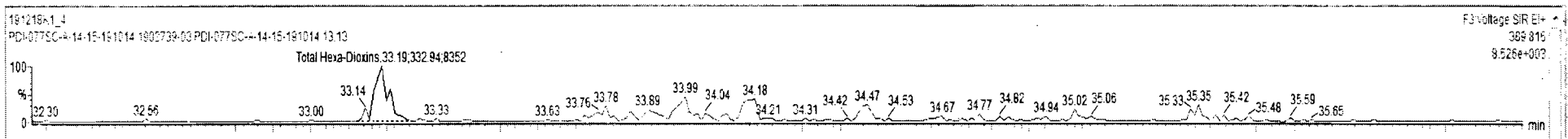


191218K1_4



#	Name	Resp	RA	nly	RRF	wVvol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
35	37C-1,2,3,7,8-TCDD	1.02e5			1.0696	10.267	26.15	26.17	1.028	1.029	NO	70.69	90.7	0.113	
36	13C-1,2,3,4-TCDD	2.64e5	0.79	NO	1.0000	10.267	25.45	25.43	1.000	1.000	NO	194.8	100	0.699	
37	13C-1,2,3,4-TCDF	4.17e5	0.74	NO	1.0000	10.267	23.55	23.54	1.000	1.000	NO	194.8	100	0.810	
38	13C-1,2,3,4,6,9-HxCDF	2.44e5	0.52	NO	1.0000	10.267	34.16	34.16	1.000	1.000	NO	194.8	100	1.60	
39	Total Tetra-Dioxins				0.9249	10.267	24.62		0.000		NO			0.124	
40	Total Penta-Dioxins				0.9046	10.267	29.96		0.000		NO			0.0581	
41	Total Hexa-Dioxins				0.9675	10.267	33.63		0.000		NO	0.0000		0.159	0.8485
42	Total Hepta-Dioxins				1.0375	10.267	38.80		0.000		NO	0.0000		0.127	1.691
43	Total Tetra-Furans				0.9376	10.267	23.61		0.000		NO			0.0385	
44	1st Func. Penta-Furans				0.9762	10.267	27.04		0.000		NO			0.0260	
45	Total Penta-Furans				0.9762	10.267	29.27		0.000		NO			0.0281	
46	Total Hexa-Furans				1.1806	10.267	33.56		0.000		NO			0.0293	
47	Total Hepta-Furans				1.1300	10.267	37.83		0.000		NO			0.0240	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	41 Total Hexa-Dioxins	33.63	33.19	3.329e2	3.476e2	1.240	0.96	YES	9.84647	0.00000

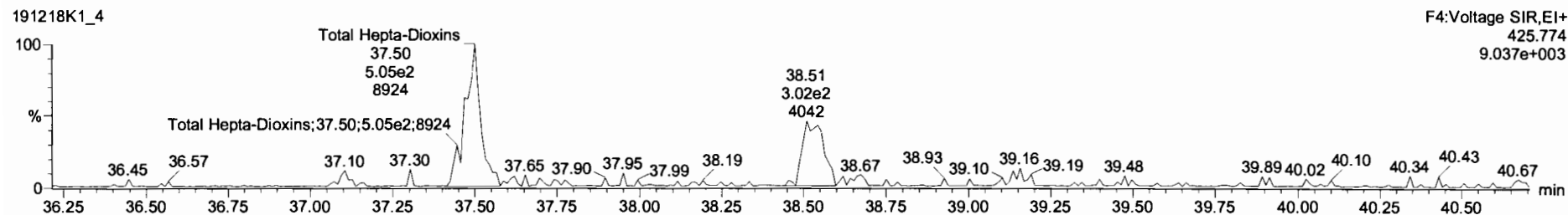
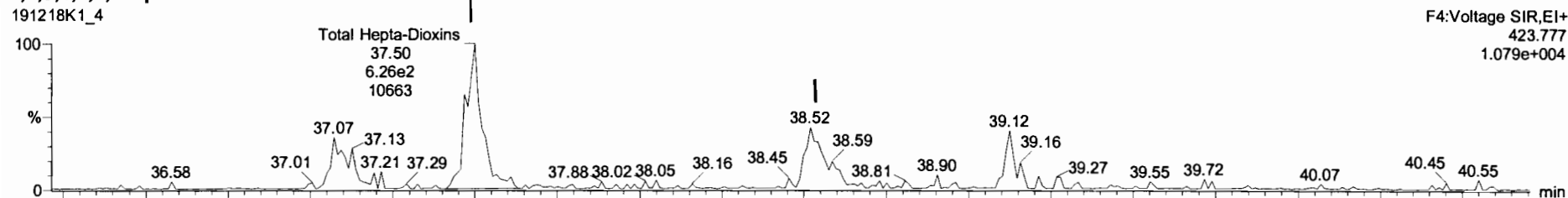


Dataset: Untitled

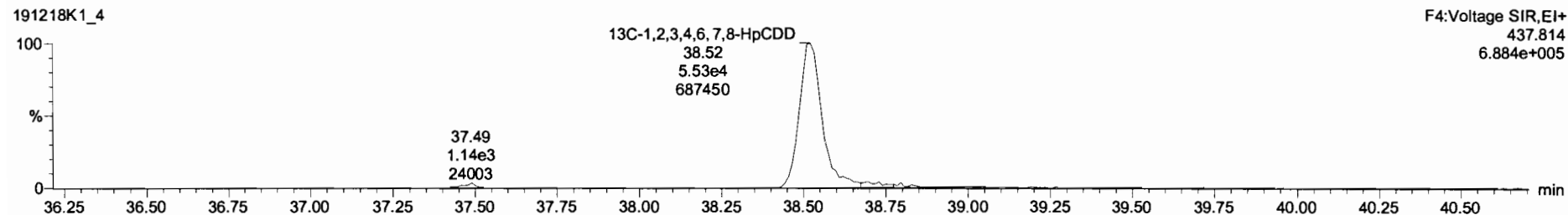
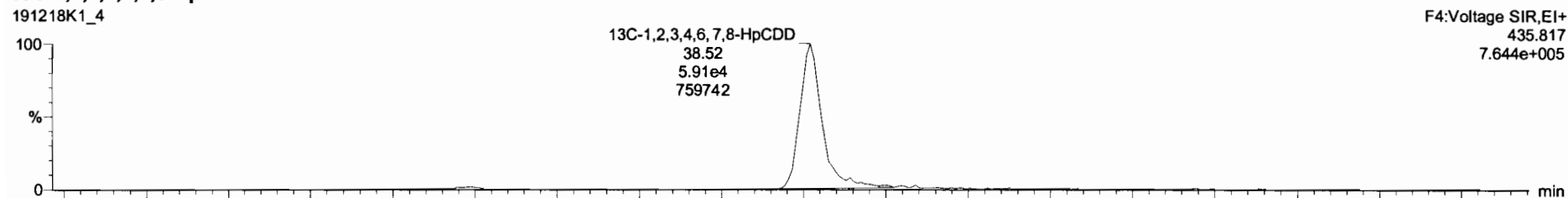
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

1,2,3,4,6,7,8-HpCDD



13C-1,2,3,4,6,7,8-HpCDD

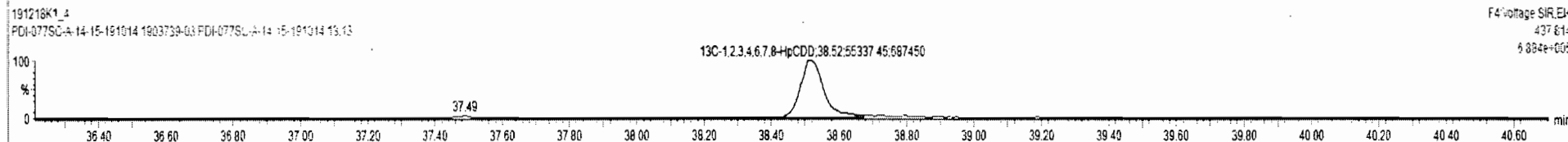
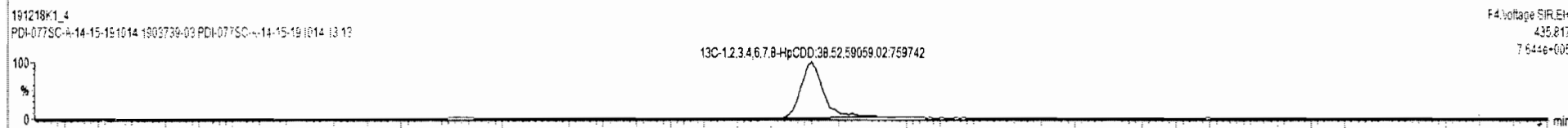
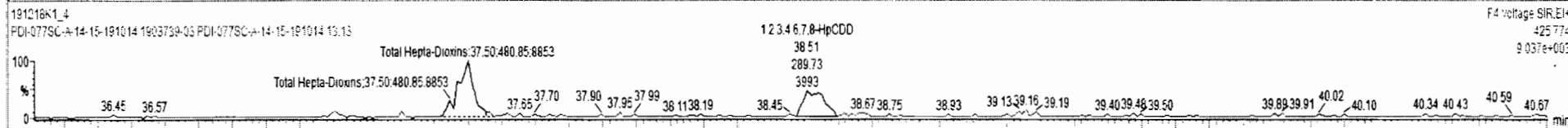
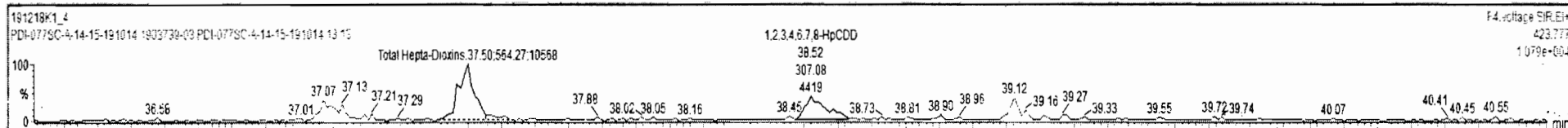




191218K1_4 - 1903739-03 PDI-077SC-A-14-15-191014 13 13 - PDI-077SC-A-14-15-191014

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
41	Total Hexa-Dioxins				0.9675	10.267	33.63		0.000		NO	0.0000		0.159	0.5465
42	Total Hepta-Dioxins				1.0375	10.267	38.80		0.000		NO	2.695		0.252	2.695
43	Total Tetra-Furans				0.9376	10.267	23.61		0.000		NO			0.0369	
44	1st Func. Penta-Furans				0.9762	10.267	27.34		0.000		NO			0.0260	
45	Total Penta-Furans				0.9762	10.267	29.27		0.000		NO			0.0261	
46	Total Hexa-Furans				1.1696	10.267	33.56		0.000		NO			0.0293	
47	Total Hepta-Furans				1.1300	10.267	37.83		0.000		NO			0.0240	
48	PFK1														
49	PFK2														
50	PFK3														
51	PFK4														
52	PFK5														
53	DPE1														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	A2 Total Hepta-Dioxins	38.80	37.50	5.643e2	4.608e2	1.040	1.17	NO	1.7153	1.7153
2	E 1,2,3,4,6,7,8-HpCDD	38.53	38.52	3.071e2	2.697e2	1.040	1.06	NO	0.97954	0.97954

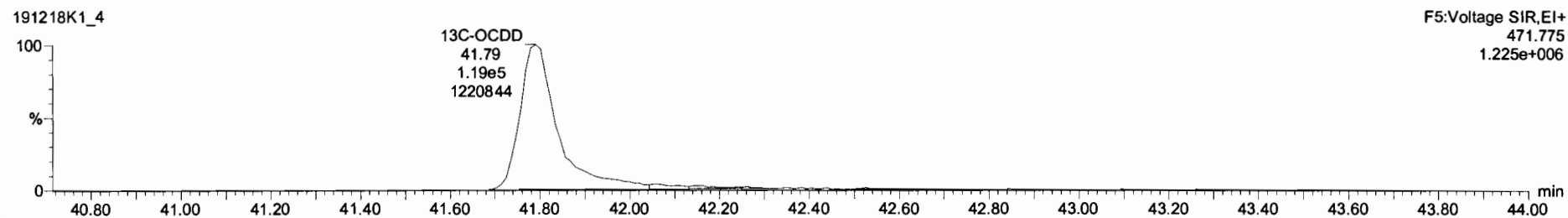
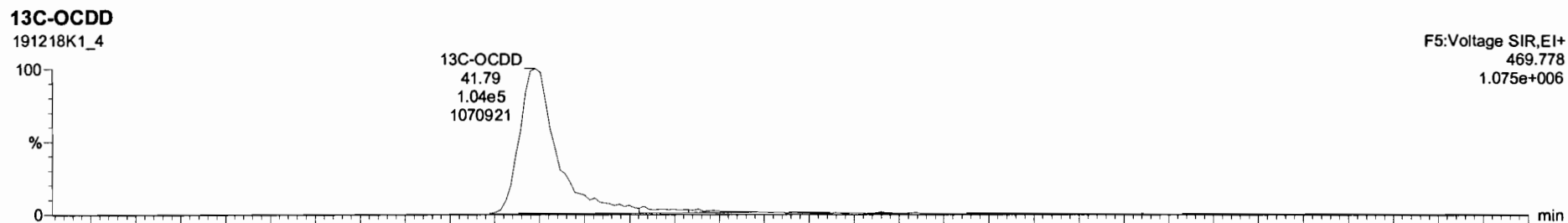
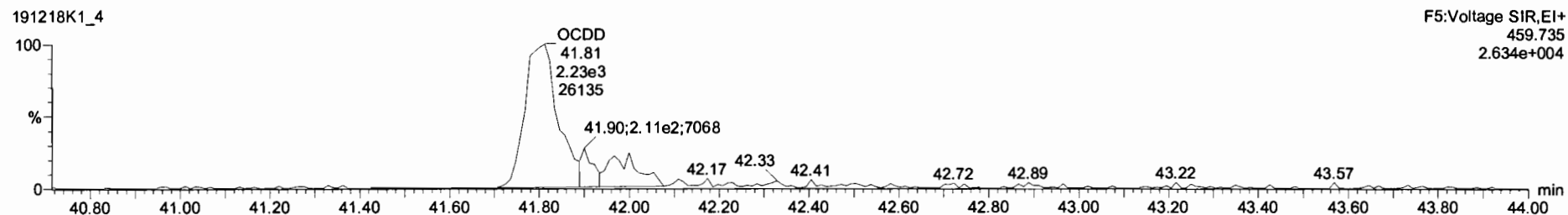
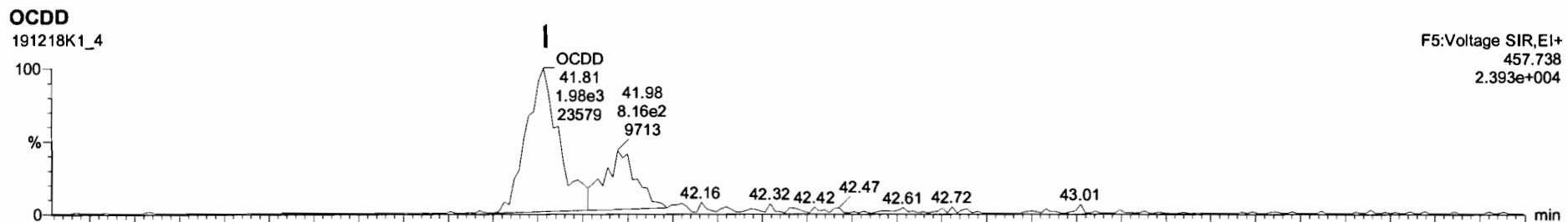


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

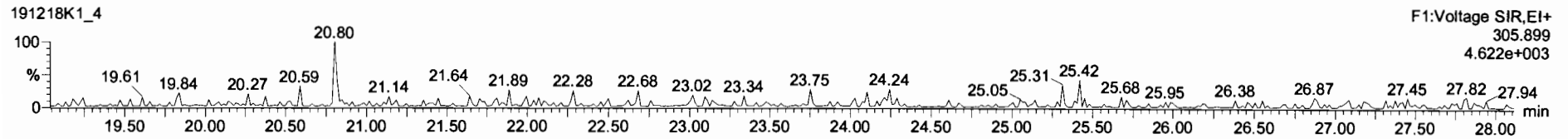
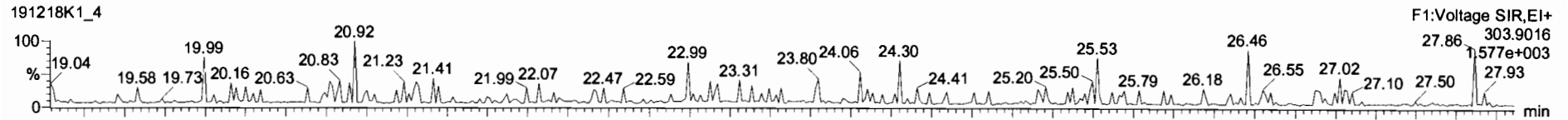


Dataset: Untitled

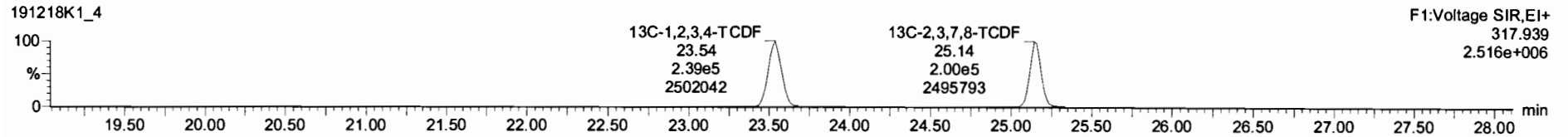
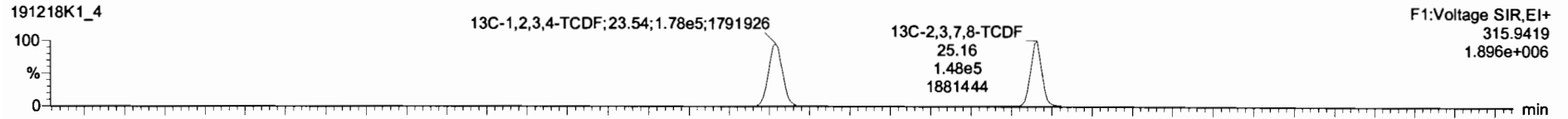
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

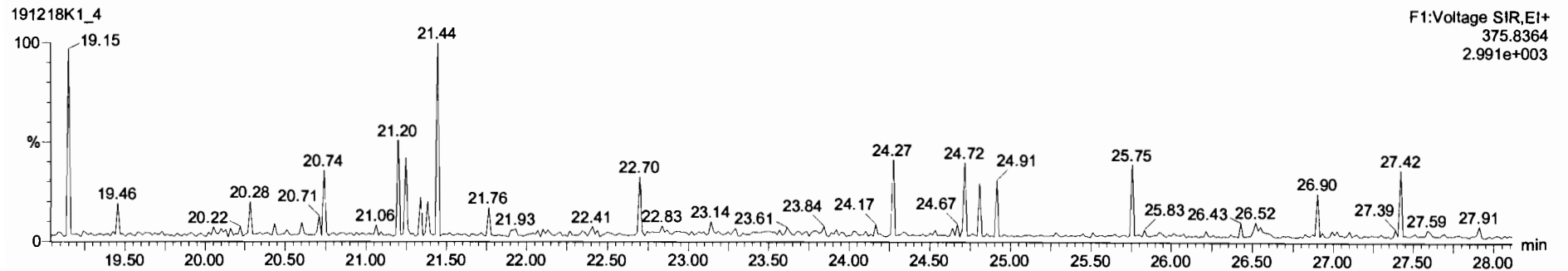
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1



Dataset: Untitled

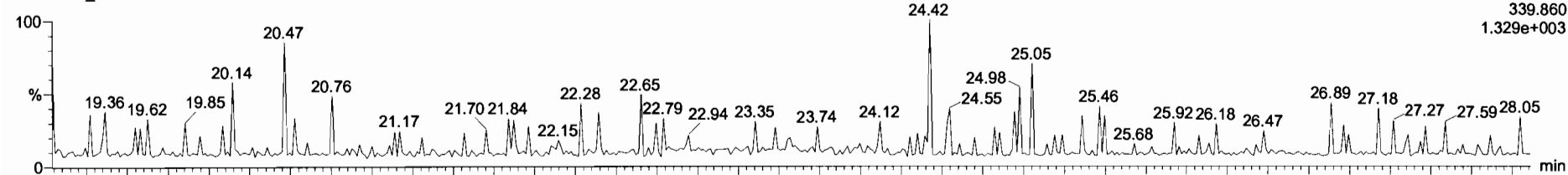
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

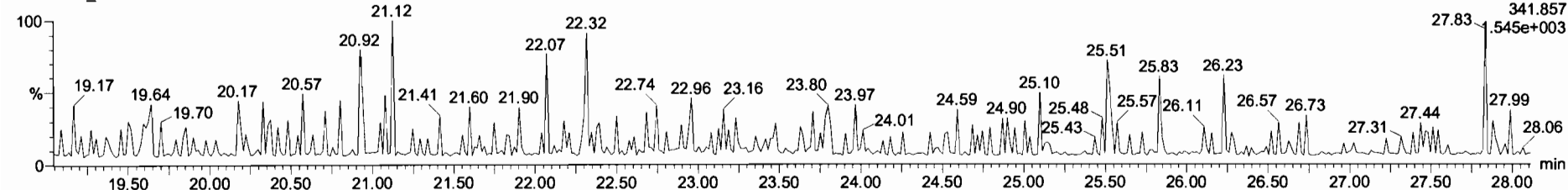
Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

1st Func. Penta-Furans

191218K1_4

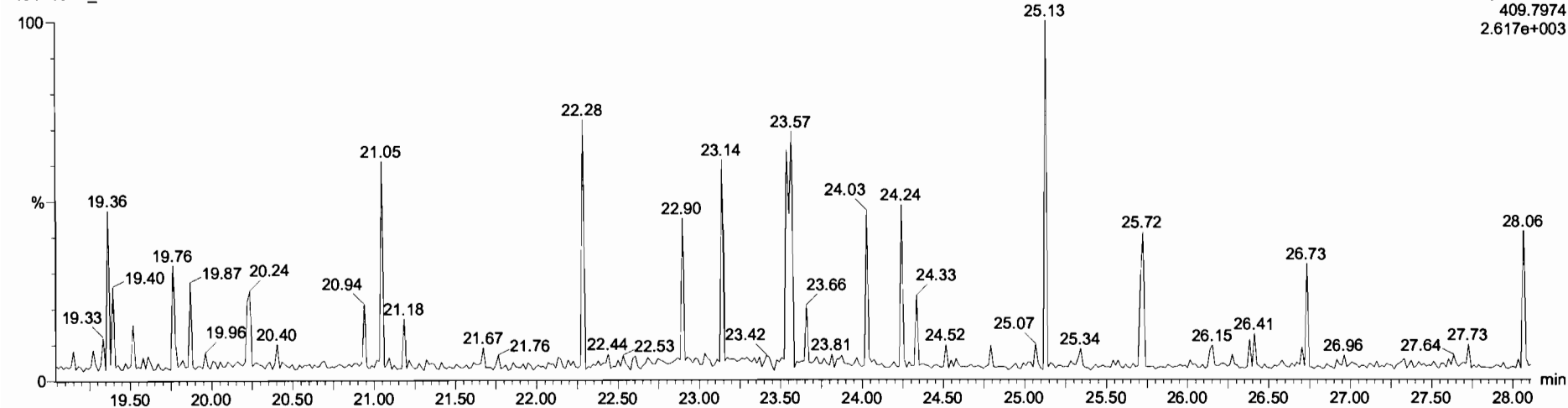


191218K1_4



DPE6

191218K1_4



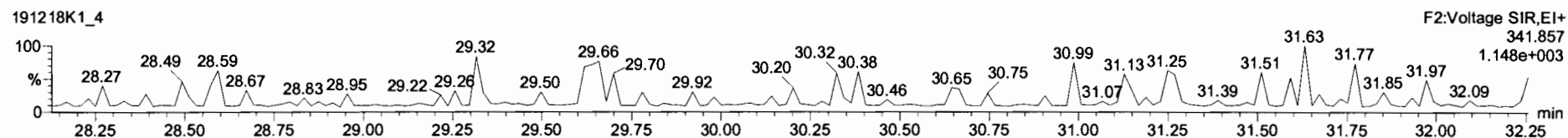
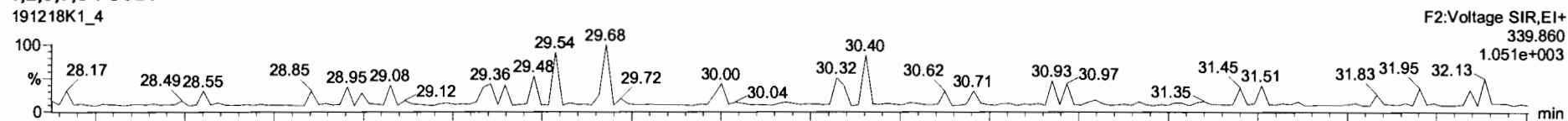
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

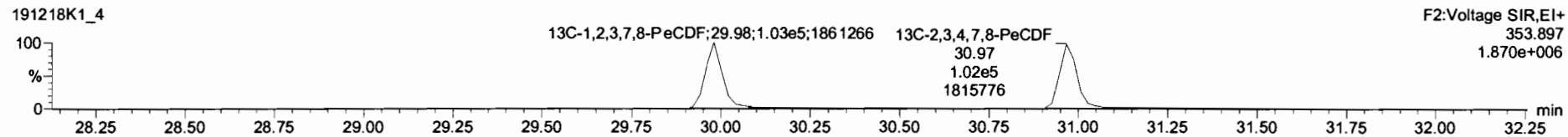
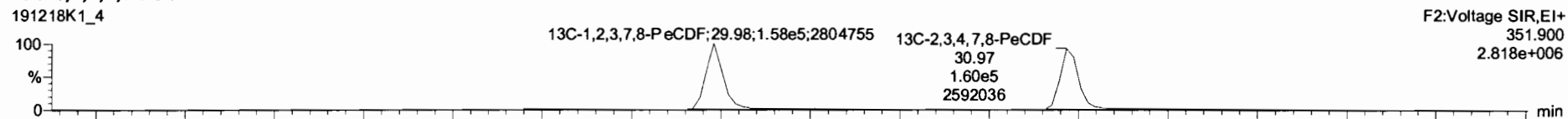
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

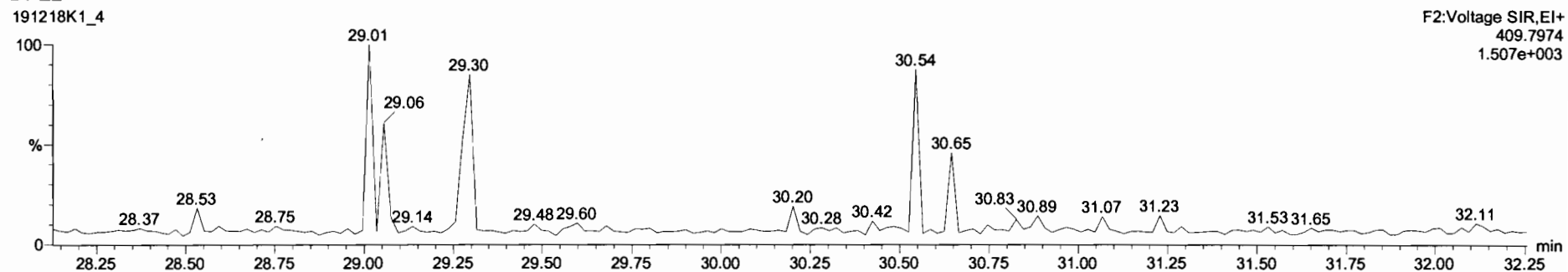
1,2,3,7,8-PeCDF



13C-1,2,3,7,8-PeCDF



DPE2



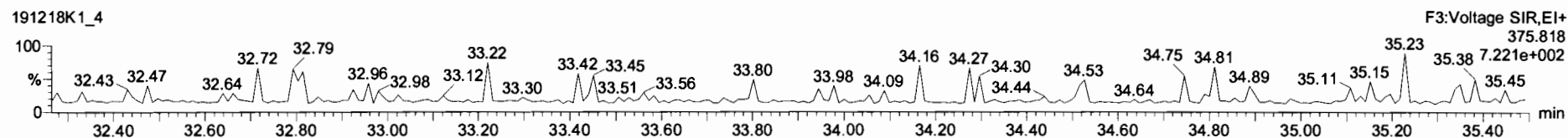
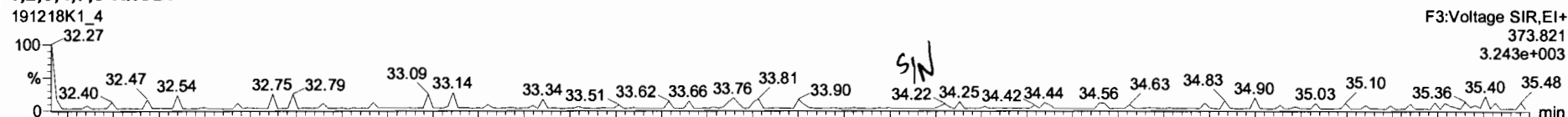
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

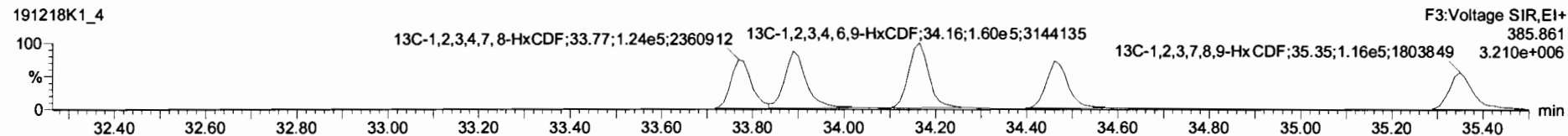
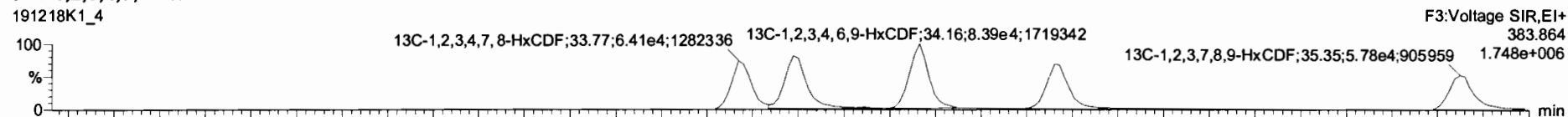
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

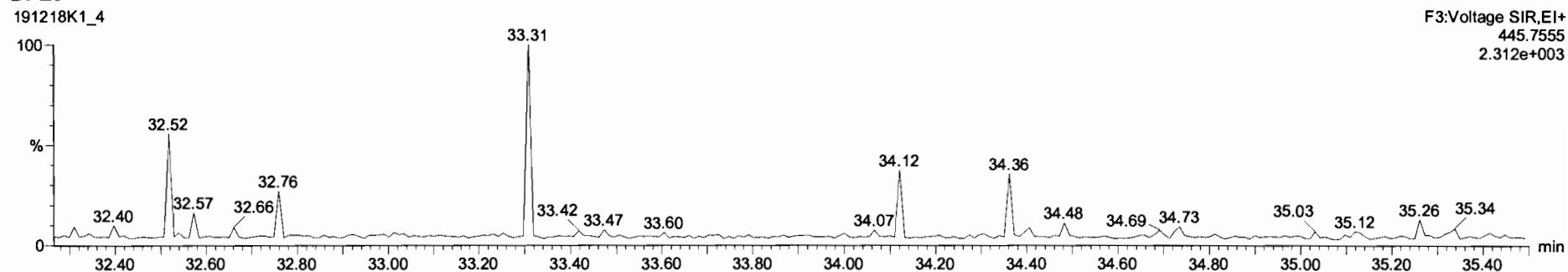
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3



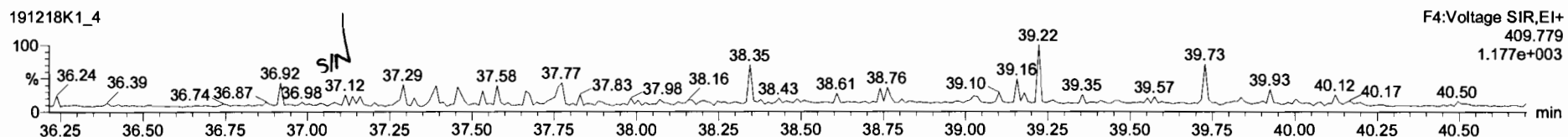
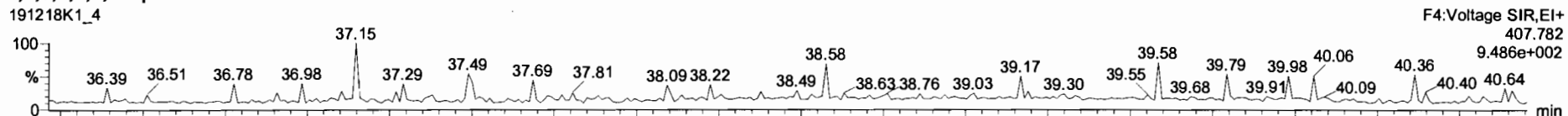
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

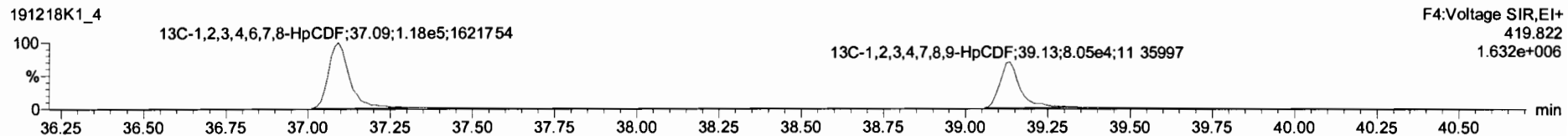
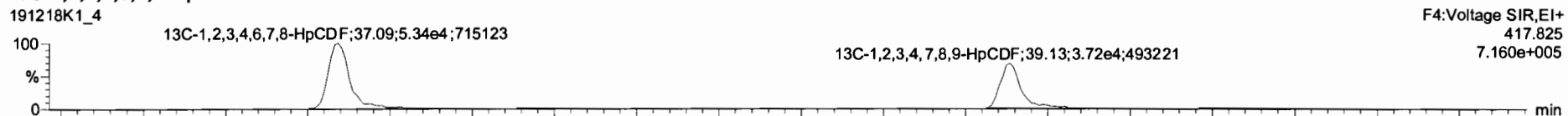
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014

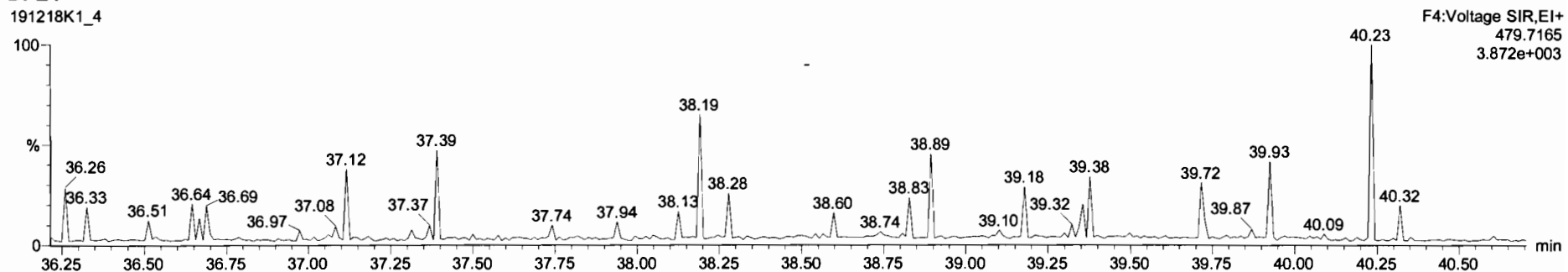
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

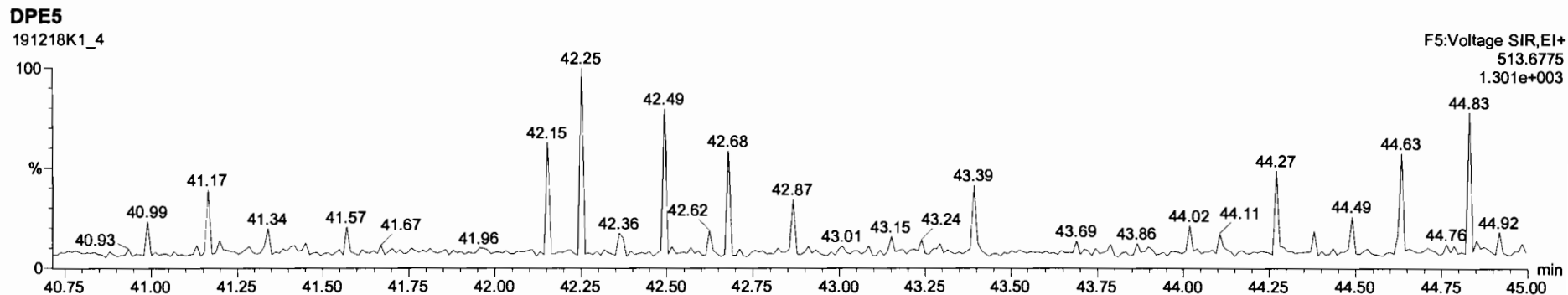
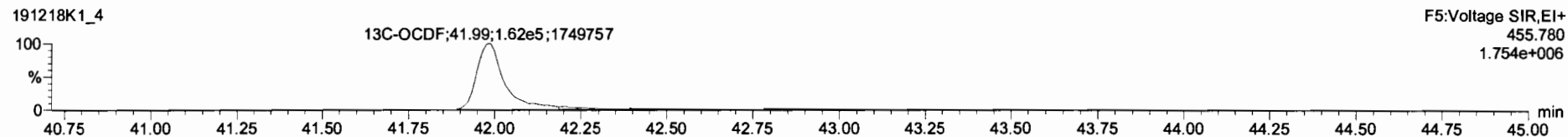
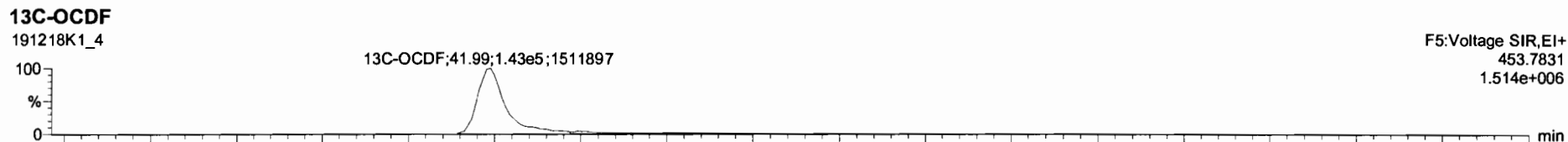
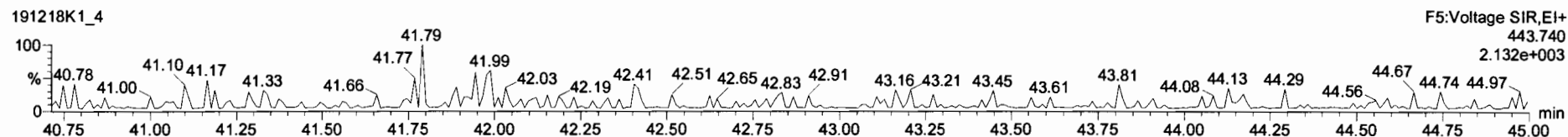
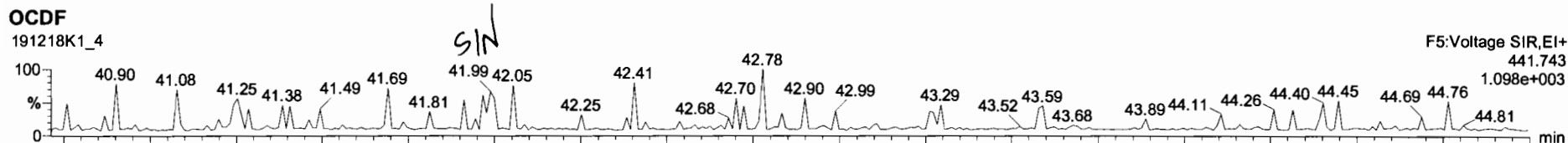


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

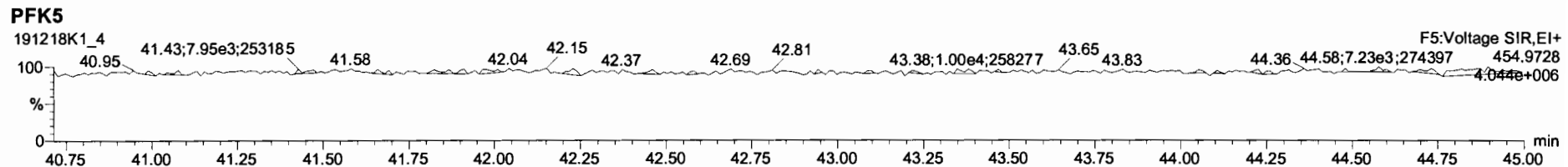
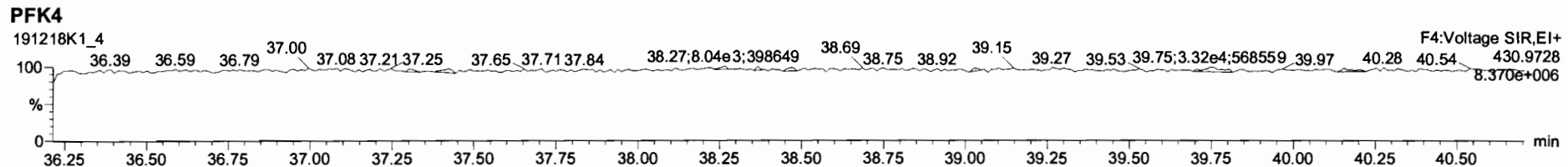
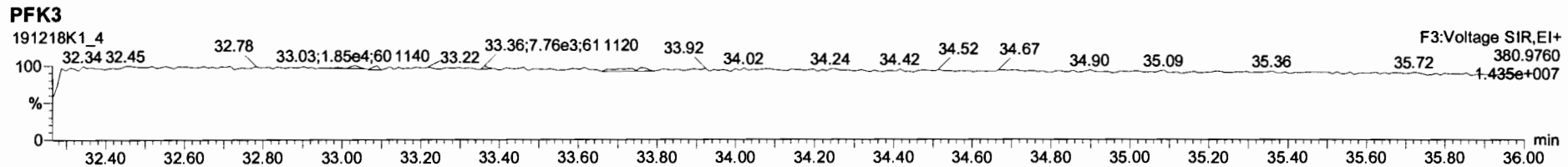
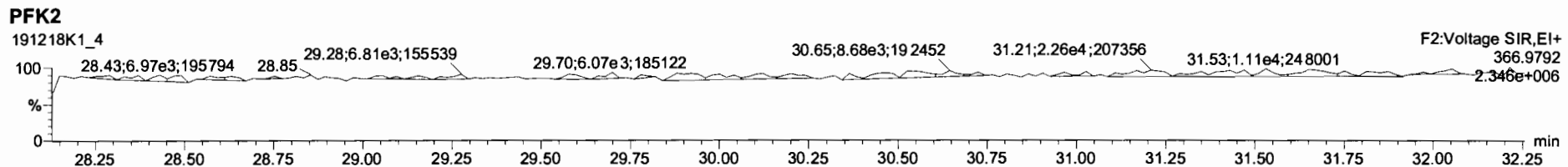
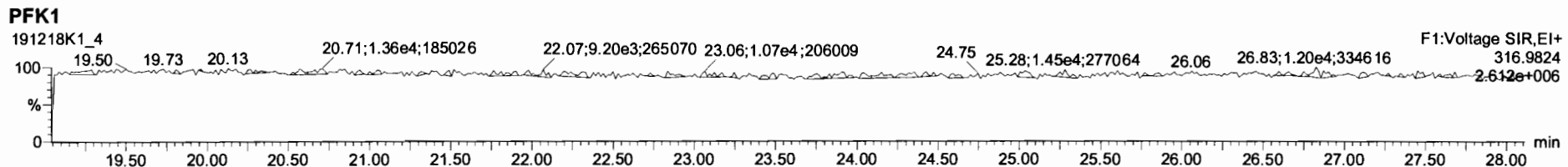
Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014



Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_4, Date: 18-Dec-2019, Time: 19:57:23, ID: 1903739-03 PDI-077SC-A-14-15-191014 13.13, Description: PDI-077SC-A-14-15-191014



Dataset: U:\VG11.PRO\Results\191218K1\191218K1-5.qld

Last Altered: Thursday, December 19, 2019 15:58:17 Pacific Standard Time

Printed: Friday, December 20, 2019 12:39:45 Pacific Standard Time

EL 12/20/19

CT 12/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.925	10.077	26.18		1.00		YES			0.152	
2	1,2,3,7,8-PeCDD				0.905	10.077	31.33		1.00		YES			0.135	
3	1,2,3,4,7,8-HxCDD				1.07	10.077	34.66		1.00		YES			0.174	
4	1,2,3,6,7,8-HxCDD				0.967	10.077	34.76		1.00		YES			0.164	
5	1,2,3,7,8,9-HxCDD				0.978	10.077	35.07		1.00		YES			0.193	
6	1,2,3,4,6,7,8-HpCDD	540.896	0.715	YES	1.04	10.077	38.54	38.56	1.00	1.00	NO	0.7405		0.226	0.6130
7	OCDD	3482.224	0.858	NO	0.972	10.077	41.81	41.81	1.00	1.00	NO	6.081		0.698	6.081
8	2,3,7,8-TCDF				0.938	10.077	25.18		1.00		YES			0.0756	
9	1,2,3,7,8-PeCDF				0.976	10.077	30.02		1.00		YES			0.0643	
10	2,3,4,7,8-PeCDF				1.00	10.077	31.02		1.00		YES			0.0575	
11	1,2,3,4,7,8-HxCDF				1.24	10.077	33.79		1.00		YES			0.0413	
12	1,2,3,6,7,8-HxCDF				1.10	10.077	33.91		1.00		YES			0.0424	
13	2,3,4,6,7,8-HxCDF				1.18	10.077	34.52		1.00		YES			0.0465	
14	1,2,3,7,8,9-HxCDF				1.07	10.077	35.36		1.00		YES			0.0622	
15	1,2,3,4,6,7,8-HpCDF				1.13	10.077	37.14		1.00		YES			0.0500	
16	1,2,3,4,7,8,9-HpCDF				1.26	10.077	39.15		1.00		YES			0.0732	
17	OCDF				1.10	10.077	42.00		1.00		YES			0.159	
18	13C-2,3,7,8-TCDD	328568.829	0.780	NO	1.05	10.077	26.15	26.15	1.03	1.03	NO	189.5	95.5	0.605	
19	13C-1,2,3,7,8-PeCDD	245506.758	0.570	NO	0.743	10.077	31.29	31.31	1.23	1.23	NO	199.9	101	0.883	
20	13C-1,2,3,4,7,8-HxCDD	164848.187	1.240	NO	0.646	10.077	34.65	34.65	1.01	1.01	NO	163.6	82.4	1.10	
21	13C-1,2,3,6,7,8-HxCDD	234222.477	1.245	NO	0.777	10.077	34.75	34.76	1.02	1.02	NO	193.4	97.5	0.913	
22	13C-1,2,3,7,8,9-HxCDD	195365.290	1.212	NO	0.659	10.077	35.02	35.03	1.02	1.02	NO	190.0	95.7	1.08	
23	13C-1,2,3,4,6,7,8-HpCDD	138052.867	1.035	NO	0.534	10.077	38.52	38.53	1.13	1.13	NO	165.8	83.5	1.19	
24	13C-OCDD	233920.211	0.904	NO	0.470	10.077	41.80	41.81	1.22	1.22	NO	319.0	80.4	1.87	
25	13C-2,3,7,8-TCDF	474381.813	0.717	NO	0.977	10.077	25.16	25.16	0.99	0.99	NO	176.6	89.0	0.657	
26	13C-1,2,3,7,8-PeCDF	348941.219	1.502	NO	0.778	10.077	29.98	30.00	1.18	1.18	NO	163.3	82.3	1.17	
27	13C-2,3,4,7,8-PeCDF	338290.453	1.483	NO	0.750	10.077	30.97	30.99	1.22	1.22	NO	164.2	82.7	1.22	
28	13C-1,2,3,4,7,8-HxCDF	228941.547	0.519	NO	0.845	10.077	33.79	33.79	0.99	0.99	NO	173.8	87.5	1.70	
29	13C-1,2,3,6,7,8-HxCDF	284483.953	0.524	NO	1.03	10.077	33.90	33.90	0.99	0.99	NO	177.7	89.6	1.40	
30	13C-2,3,4,6,7,8-HxCDF	243849.617	0.529	NO	0.893	10.077	34.48	34.48	1.01	1.01	NO	175.2	88.3	1.61	

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-5.qld

Last Altered: Thursday, December 19, 2019 15:58:17 Pacific Standard Time

Printed: Friday, December 20, 2019 12:39:45 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt./Vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	227067.172	0.498	NO	0.734	10.077	35.38	35.36	1.04	1.03	NO	198.4	99.9	1.96	
32	13C-1,2,3,4,6,7,8-HpCDF	220431.234	0.438	NO	0.754	10.077	37.09	37.10	1.09	1.09	NO	187.5	94.5	1.08	
33	13C-1,2,3,4,7,8,9-HpCDF	143291.730	0.443	NO	0.539	10.077	39.12	39.15	1.14	1.15	NO	170.5	85.9	1.51	
34	13C-OCDF	341468.781	0.882	NO	0.593	10.077	41.99	42.00	1.23	1.23	NO	369.7	93.1	1.47	
35	37Cl-2,3,7,8-TCDD	126399.477			1.07	10.077	26.17	26.17	1.03	1.03	NO	71.50	90.1	0.153	
36	13C-1,2,3,4-TCDD	328078.735	0.810	NO	1.00	10.077	25.45	25.45	1.00	1.00	NO	198.5	100	0.635	
37	13C-1,2,3,4-TCDF	545308.063	0.723	NO	1.00	10.077	23.55	23.54	1.00	1.00	NO	198.5	100	0.642	
38	13C-1,2,3,4,6,9-HxCDF	309422.164	0.526	NO	1.00	10.077	34.16	34.17	1.00	1.00	NO	198.5	100	1.44	
39	Total Tetra-Dioxins				0.925	10.077	24.62		0.00		NO			0.0930	
40	Total Penta-Dioxins				0.905	10.077	29.96		0.00		NO			0.0515	
41	Total Hexa-Dioxins				0.967	10.077	33.63		0.00		NO	0.0000		0.0940	0.5300
42	Total Hepta-Dioxins				1.04	10.077	38.80		0.00		NO	1.482		0.236	2.385
43	Total Tetra-Furans				0.938	10.077	23.61		0.00		NO			0.0293	
44	1st Func. Penta-Furans				0.976	10.077	27.04		0.00		NO			0.0130	
45	Total Penta-Furans				0.976	10.077	29.27		0.00		NO			0.0192	
46	Total Hexa-Furans				1.18	10.077	33.56		0.00		NO			0.0247	
47	Total Hepta-Furans				1.13	10.077	37.83		0.00		NO			0.0322	

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-5.qld

Last Altered: Friday, December 20, 2019 12:40:12 Pacific Standard Time

Printed: Friday, December 20, 2019 12:40:14 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
41	Total Hexa-Dioxins	0.00e0	0.00e0	1.021	YES	33.63	33.20	0.0000	0.5301

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
42	Total Hepta-Dioxins	1.07e3	1.38e5	1.195	NO	38.80	37.51	1.482	1.482
6	1,2,3,4,6,7,8-HpCDD	5.41e2	1.38e5	0.715	YES	38.54	38.56	0.0000	0.6131

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-5.qld

Last Altered: Friday, December 20, 2019 12:40:12 Pacific Standard Time

Printed: Friday, December 20, 2019 12:40:14 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Dataset: Untitled

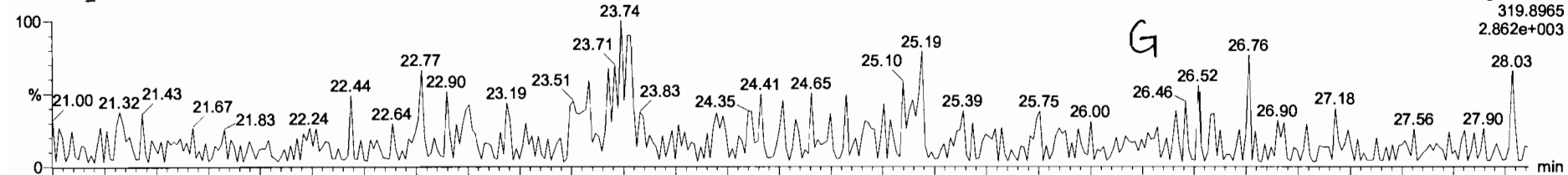
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

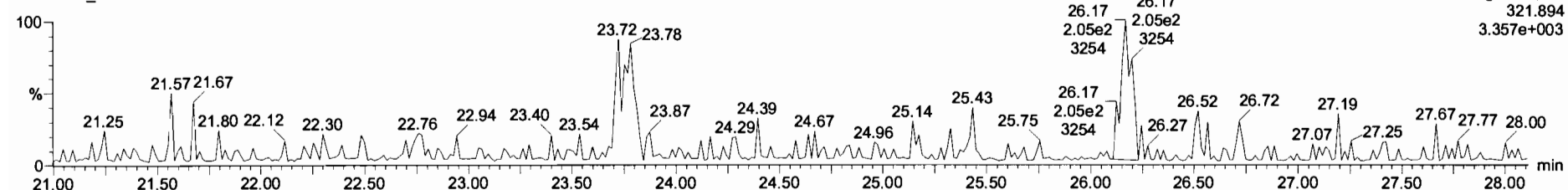
Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

2,3,7,8-TCDD

191218K1_5

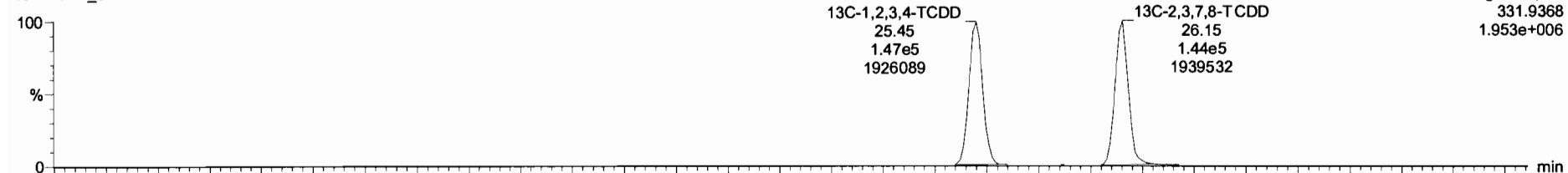


191218K1_5

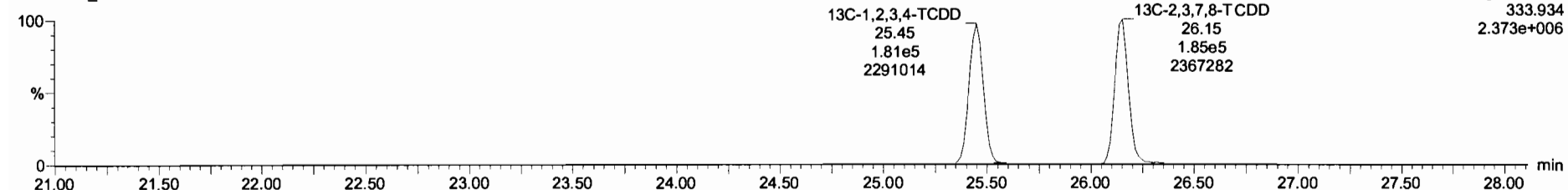


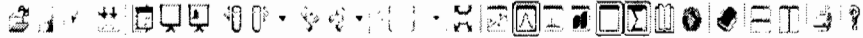
13C-2,3,7,8-TCDD

191218K1_5



191218K1_5

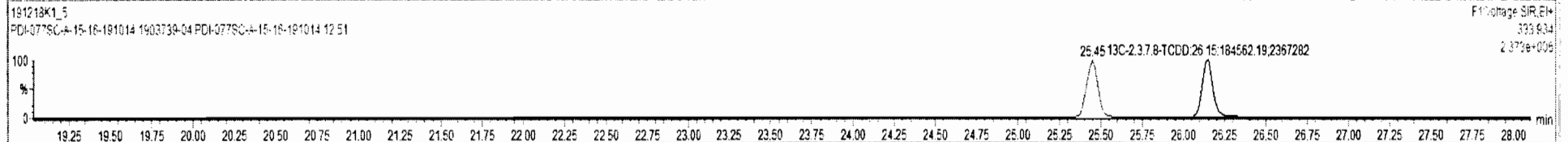
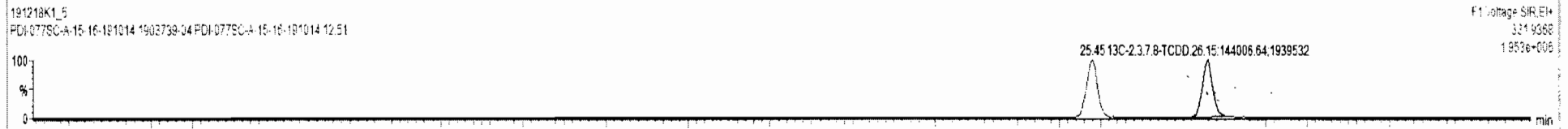
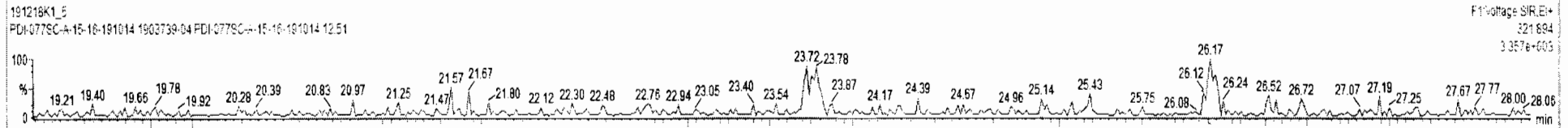
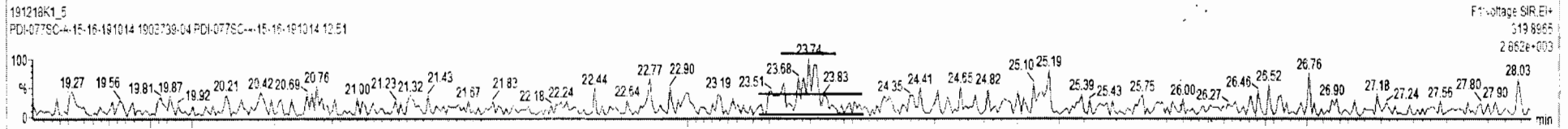




191218K1_5 - 1903739-04 PDI-077SC-A-15-16-191014 12:51 - PDI-077SC-A-15-16-191014

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.9249	10.077	25.18		1.001		YES				0.152
2	1,2,3,7,8-PeCDD				0.904E	10.077	31.33		1.001		YES				0.135
3	1,2,3,4,7,8-HxCDD				1.0691	10.077	34.66		1.000		YES				0.174
4	1,2,3,6,7,8-HxCDD				0.9675	10.077	34.76		1.000		YES				0.164
5	1,2,3,7,8,9-HxCDD				0.9778	10.077	35.07		1.001		YES				0.193
6	1,2,3,4,6,7,8-HpCDD				1.0375	10.077	38.54		1.000		YES				0.236
7	OCDD	3.52e3	0.84	NO	0.9718	10.077	41.81	41.81	1.000	1.000	NO	6.141		0.698	6.141
8	2,3,7,8-TCDF				0.9376	10.077	25.18		1.001		YES				0.0756
9	1,2,3,7,8-PeCDF				0.9752	10.077	30.52		1.001		YES				0.0643
10	2,3,4,7,8-PeCDF				1.0049	10.077	31.02		1.001		YES				0.0575
11	1,2,3,4,7,8-HxCDF				1.2434	10.077	33.79		1.000		YES				0.0413
12	1,2,3,6,7,8-HxCDF				1.0950	10.077	33.51		1.000		YES				0.0424
13	2,3,4,6,7,8-HxCDF				1.1806	10.077	34.52		1.001		YES				0.0485

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



Dataset: Untitled

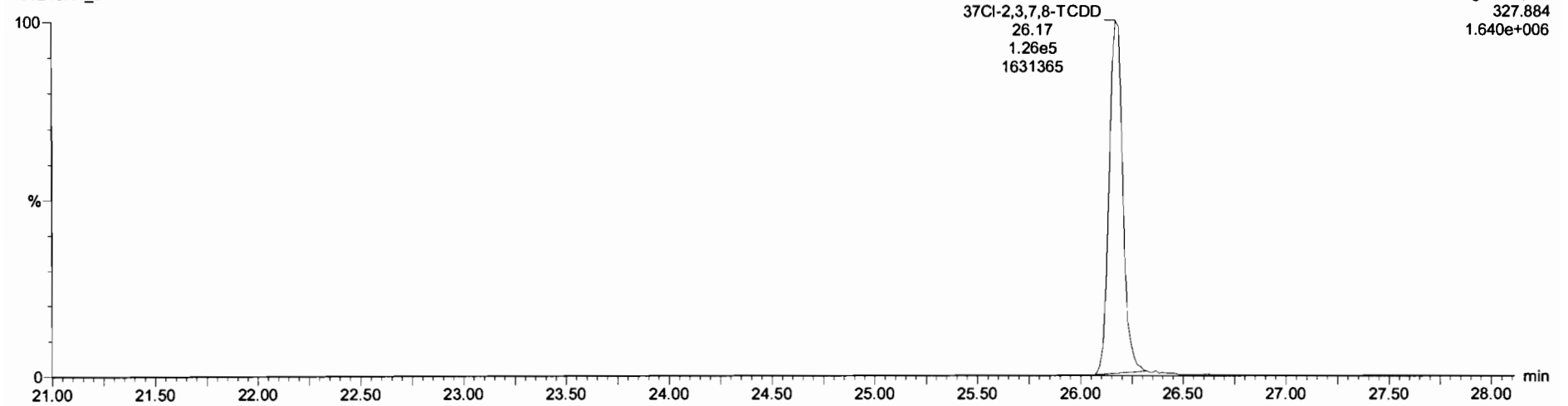
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

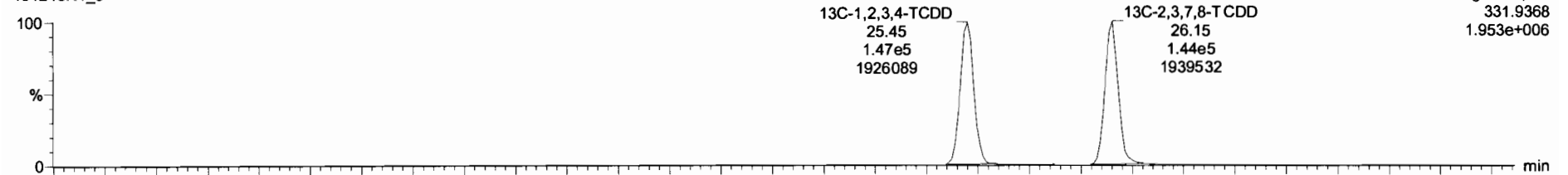
37Cl-2,3,7,8-TCDD

191218K1_5

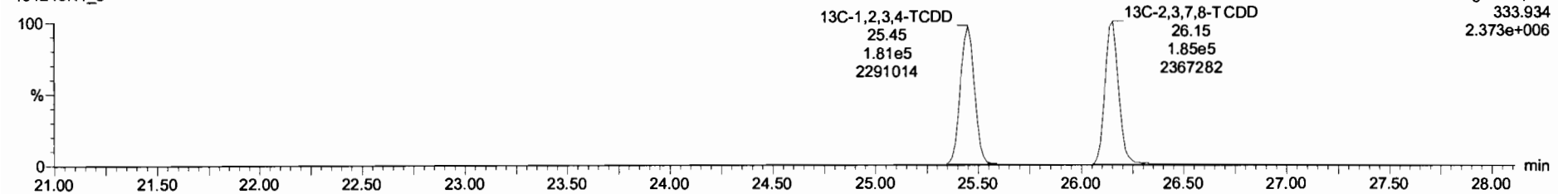


13C-1,2,3,4-TCDD

191218K1_5



191218K1_5



Dataset: Untitled

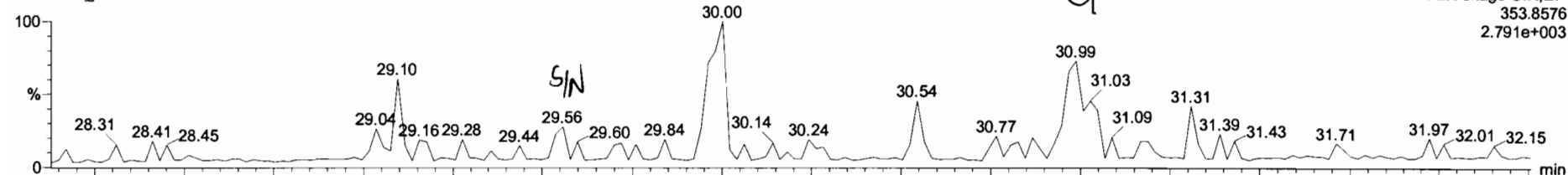
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

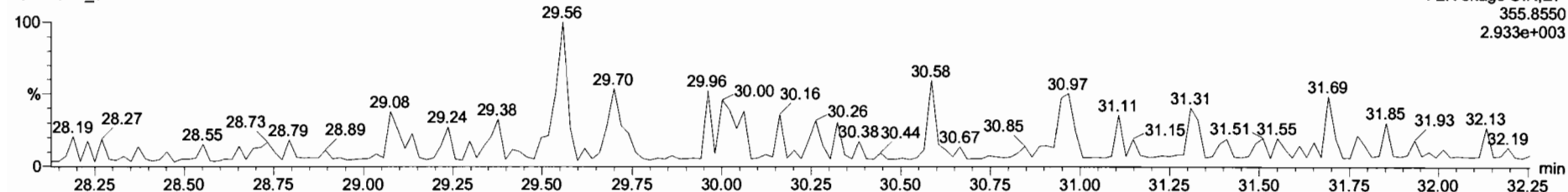
Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

1,2,3,7,8-PeCDD

191218K1_5

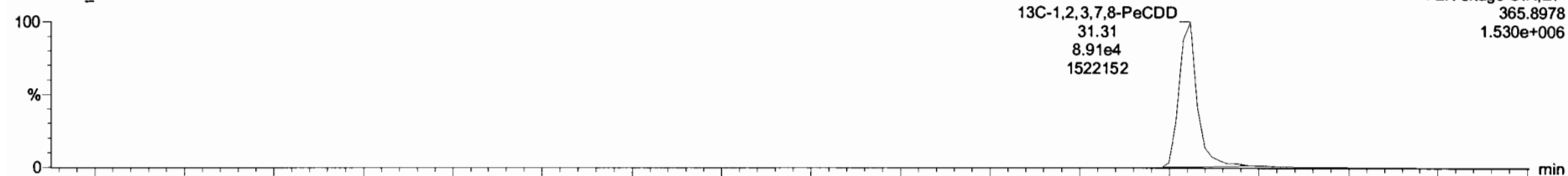


191218K1_5

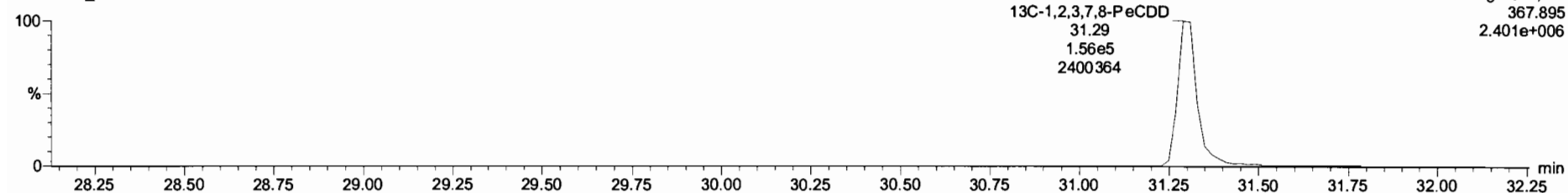


13C-1,2,3,7,8-PeCDD

191218K1_5



191218K1_5



Dataset: Untitled

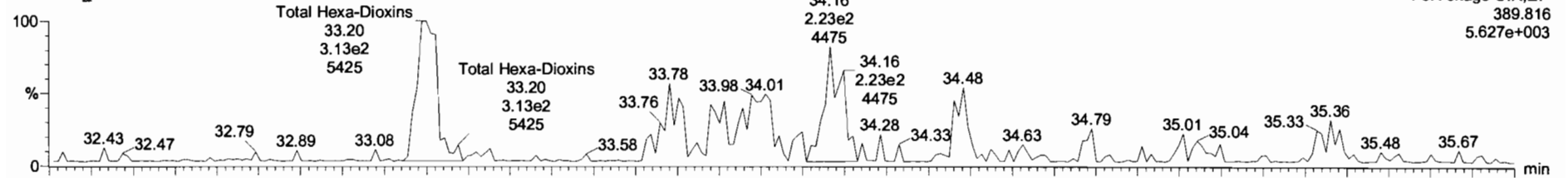
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

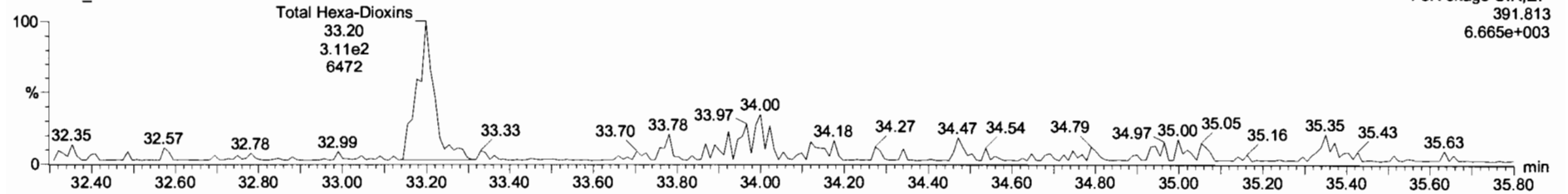
Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

1,2,3,4,7,8-HxCDD

191218K1_5

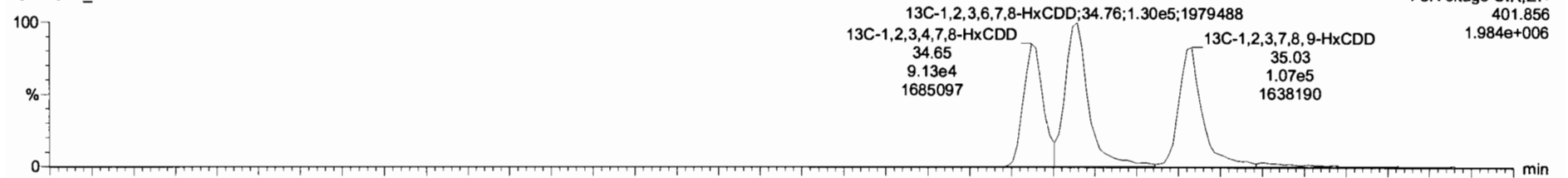


191218K1_5

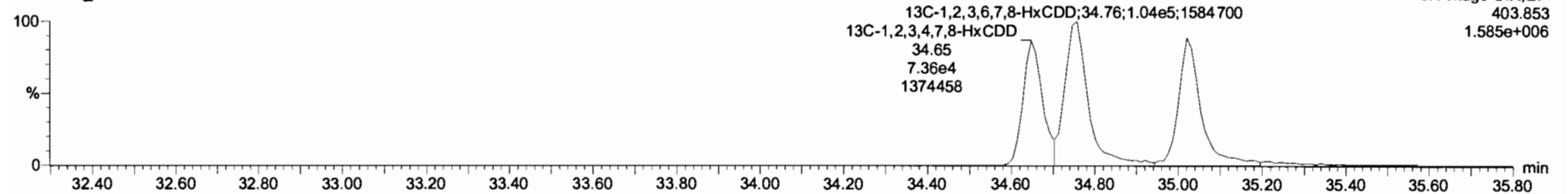


13C-1,2,3,4,7,8-HxCDD

191218K1_5



191218K1_5

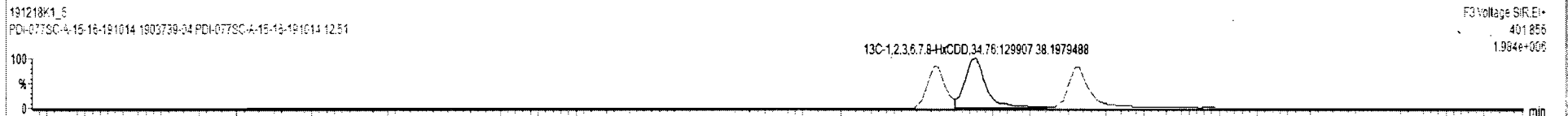
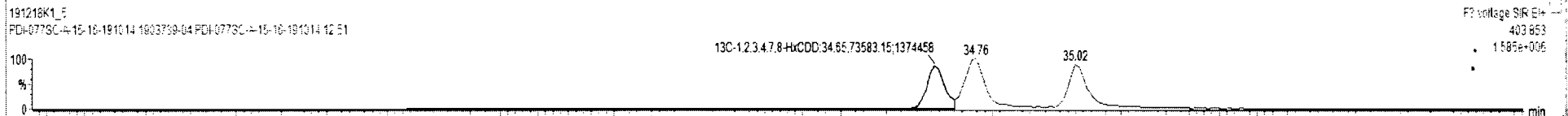
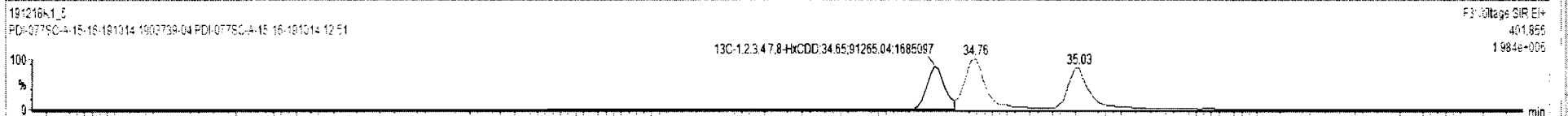
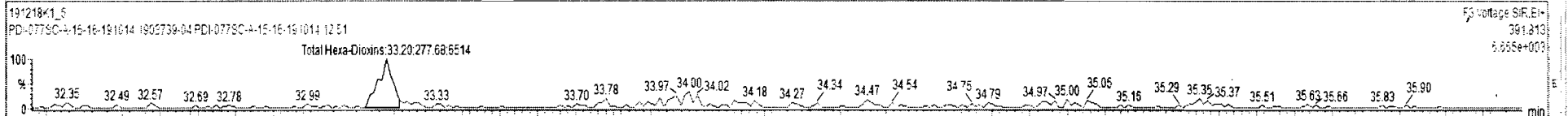
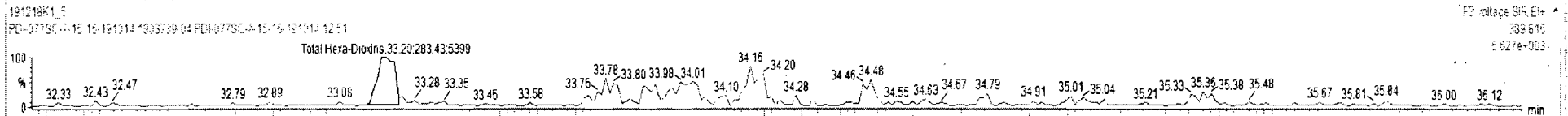




191218K1_5 - 1903739-04 PDI-077SC-A-15-16-191014 12:51 - PDI-077SC-A-15-16-191014

#	Name	Resp	RA	nly	RFF	wt/vol	Pred RT	RT	Pred.R...	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	2.20e5	0.44	NO	0.7542	10.077	37.09	37.10	1.085	1.686	NO	187.5	84.5	1.08	
33	13C-1,2,3,4,7,8,9-HpCDF	1.43e5	0.44	NO	0.5390	10.077	39.12	39.15	1.145	1.145	NO	170.5	85.9	1.51	
34	13C-OCDF	3.41e5	0.88	NO	0.5925	10.077	41.99	42.90	1.229	1.229	NO	369.7	93.1	1.47	
35	37Cl-2,3,7,8-TCDD	1.26e5			1.0856	10.077	26.17	26.17	1.028	1.028	NO	71.50	90.1	0.153	
36	13C-1,2,3,4-TCDD	3.28e5	0.81	NO	1.0000	10.077	25.45	25.45	1.000	1.000	NO	198.5	100	0.635	
37	13C-1,2,3,4-TCDF	5.45e5	0.72	NO	1.0000	10.077	23.55	23.54	1.000	1.000	NO	198.5	100	0.642	
38	13C-1,2,3,4,6,9-HxCDF	3.09e5	0.53	NO	1.0000	10.077	34.16	34.17	1.000	1.000	NO	198.5	100	1.44	
39	Total Tetra-Dioxins				0.9249	10.077	24.62		0.000		NO			0.0930	
40	Total Penta-Dioxins				0.9048	10.077	29.96		0.000		NO			0.0615	
41	Total Hexa-Dioxins				0.9675	10.077	33.63		0.000		NO	0.0000		0.0940	0.5301
42	Total Hepta-Dioxins				1.0375	10.077	38.80		0.000		NO	0.0000		0.132	1.205
43	Total Tetra-Furans				0.9376	10.077	23.61		0.000		NO			0.0293	
44	1st Func. Penta-Furans				0.9762	10.077	27.04		0.000		NO			0.0130	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	41 Total Hexa-Dioxins	33.63	33.20	2.63462	2.77762	1.240	1.02	YES	0.53012	0.06006



Dataset: Untitled

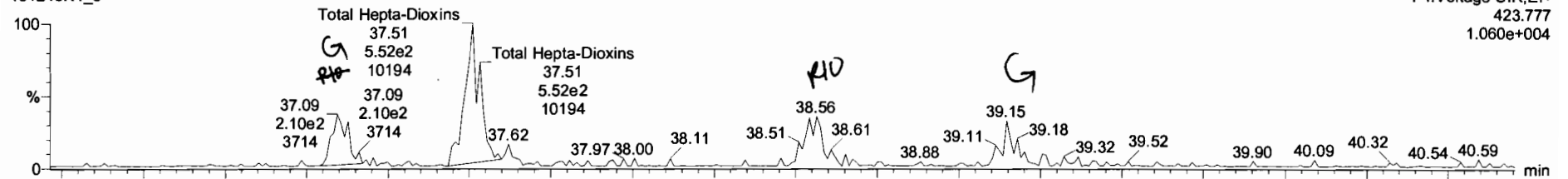
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

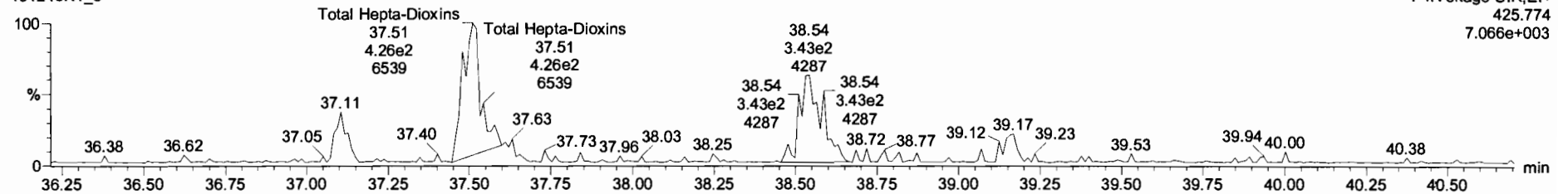
Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

1,2,3,4,6,7,8-HpCDD

191218K1_5

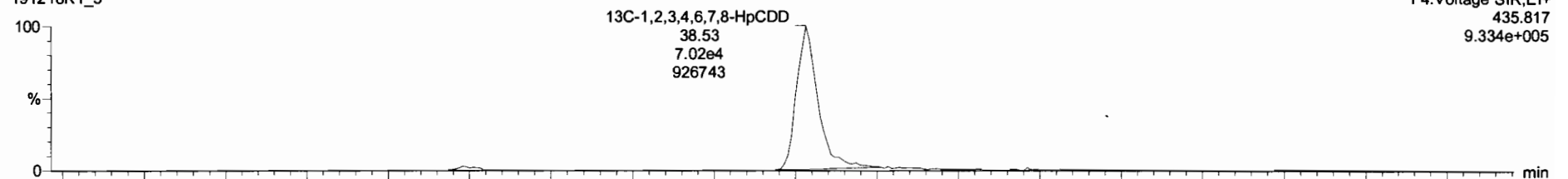


191218K1_5

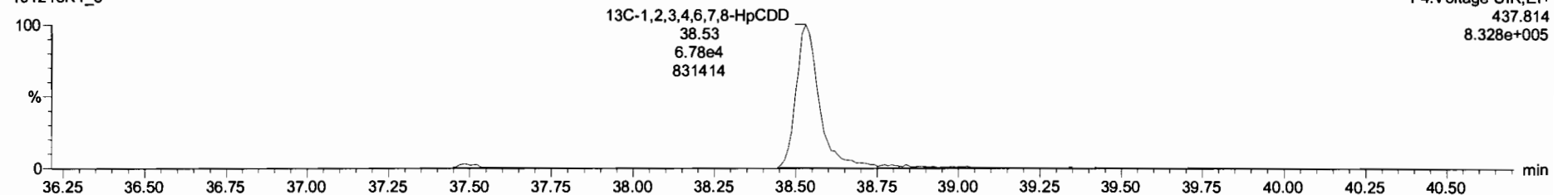


13C-1,2,3,4,6,7,8-HpCDD

191218K1_5



191218K1_5

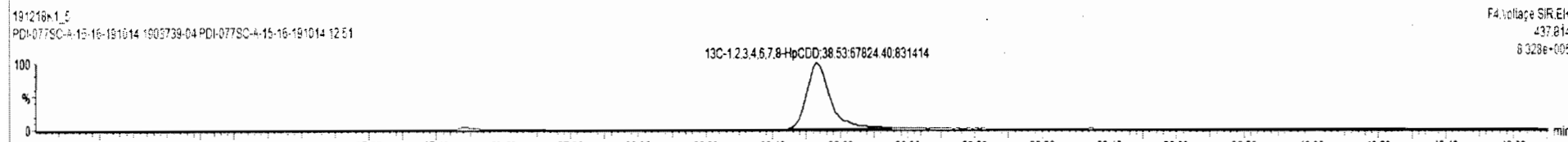
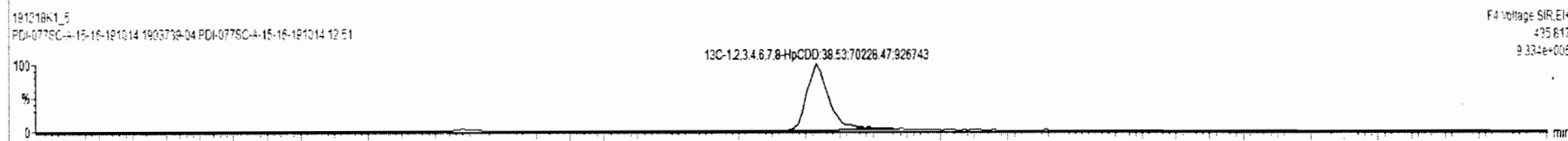
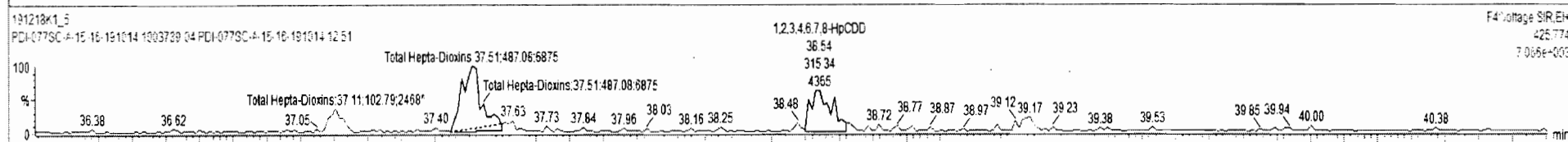
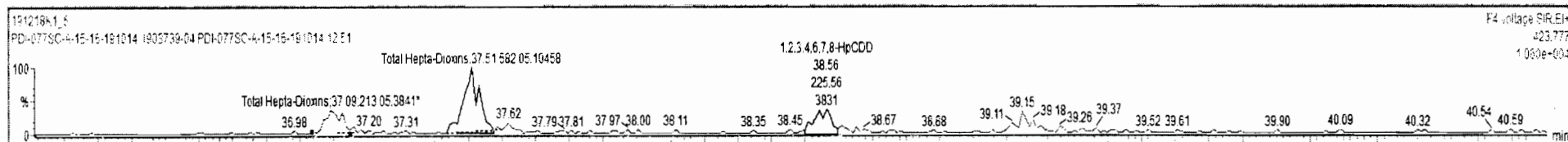




191218K1_5 - 1903739-04 PDI-077SC-A-15-16-191014 12:51 - PDI-077SC-A-15-16-191014

#	Name	Resp	RA	n/y	RPF	wt/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	5.46e5	0.72	NO	1.0000	10.077	23.55	23.54	1.000	1.000	NO	198.5	100	0.642	
38	13C-1,2,3,4,6,8-HxCDF	3.09e5	0.53	NO	1.0000	10.077	34.16	34.17	1.000	1.000	NO	198.5	100	1.44	
39	Total Tetra-Dioxins				0.9249	10.077	24.82		0.000		NO			0.0930	
40	Total Penta-Dioxins				0.9046	10.077	29.96		0.000		NO			0.0515	
41	Total Hexa-Dioxins				0.9675	10.077	33.63		0.000		NO	0.0000		0.0940	0.5200
42	Total Hepta-Dioxins				1.0375	10.077	36.80		0.000		NO	1.482		0.236	2.385
43	Total Tetra-Furans				0.9376	10.077	23.61		0.000		NO			0.0292	
44	1st Func. Penta-Furans				0.9762	10.077	27.04		0.000		NO			0.0130	
45	Total Penta-Furans				0.9762	10.077	26.27		0.000		NO			0.0152	
46	Total Hexa-Furans				1.1696	10.077	33.56		0.000		NO			0.0247	
47	Total Hepta-Furans				1.1300	10.077	37.83		0.000		NO			0.0322	
48	PFK1														
49	PFK2														

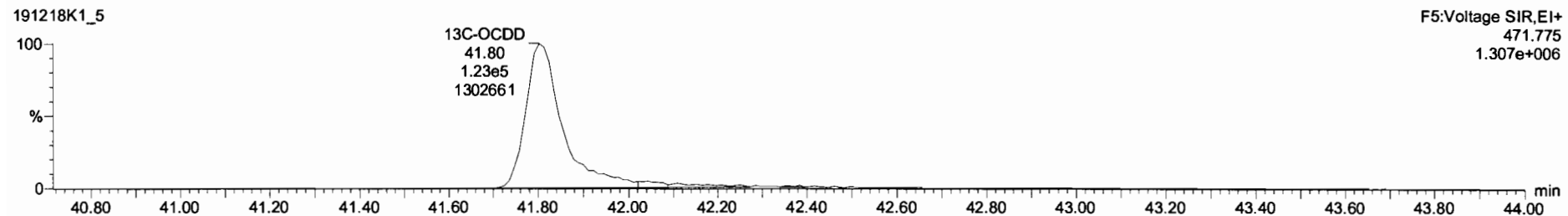
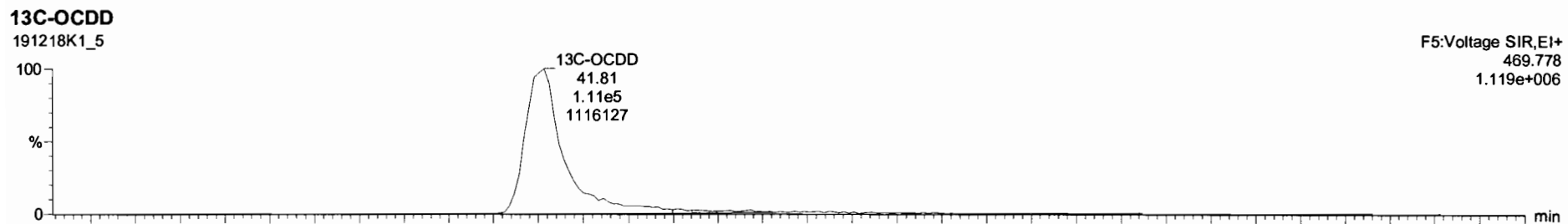
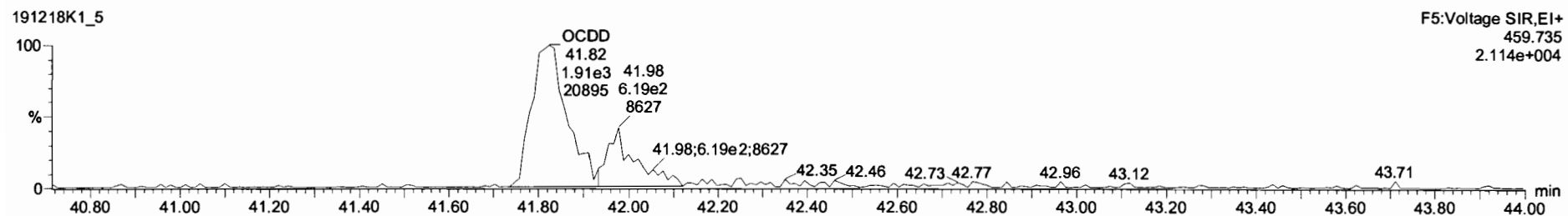
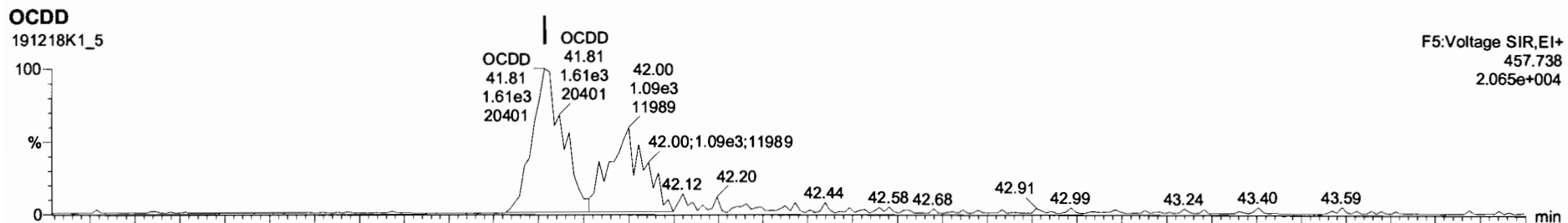
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDD	36.54	36.56	2.256e2	3.153e2	1.040	0.72	YES	0.81300	0.00000
2	Total Hepta-Dioxins	36.80	37.09	2.131e2	1.028e2	1.040	2.07	YES	0.29100	0.00000
3	Total Hepta-Dioxins	36.80	37.51	5.629e2	4.671e2	1.040	1.20	NO	1.4820	1.4815



Dataset: Untitled

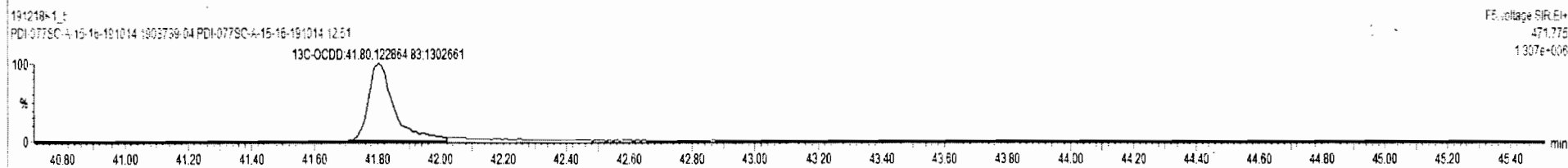
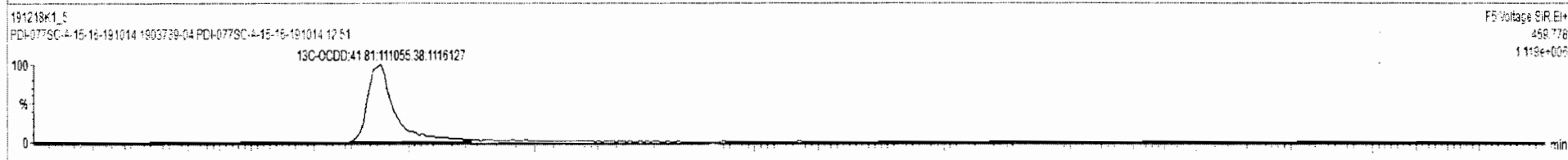
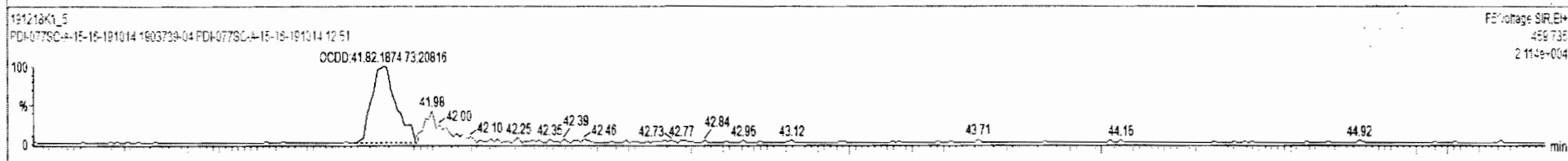
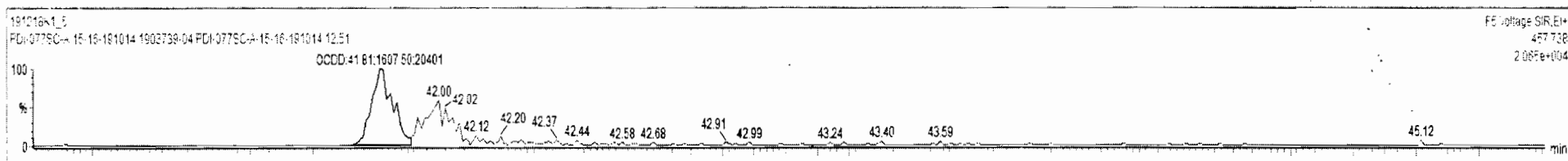
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014



#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
4	1,2,3,6,7,8-HxCDD				0.9675	10.077	34.76		1.000		YES			0.164	
5	1,2,3,7,8,9-HxCDD				0.9778	10.077	35.07		1.001		YES			0.190	
6	1,2,3,4,6,7,8-HpCDD	5.41e2	0.72	YES	1.0375	10.077	38.54	38.56	1.000	1.001	NO	0.7495		0.236	0.6131
7	OCDD	3.48e3	0.86	NO	0.9718	10.077	41.81	41.81	1.000	1.000	NO	6.081		0.696	6.081
8	2,3,7,8-TCDF				0.9376	10.077	25.18		1.001		YES			0.0756	
9	1,2,3,7,8-PeCDF				0.9762	10.077	30.02		1.001		YES			0.0642	
10	2,3,4,7,8-PeCDF				1.0049	10.077	31.02		1.001		YES			0.0575	
11	1,2,3,4,7,8-HxCDF				1.2434	10.077	33.79		1.000		YES			0.0413	
12	1,2,3,6,7,8-HxCDF				1.0950	10.077	33.91		1.000		YES			0.0424	
13	2,3,4,6,7,8-HxCDF				1.1806	10.077	34.52		1.001		YES			0.0465	
14	1,2,3,7,8,9-HxCDF				1.0728	10.077	35.36		1.000		YES			0.0622	
15	1,2,3,4,6,7,8-HpCDF				1.1300	10.077	37.14		1.001		YES			0.0500	
16	1,2,3,4,7,8,9-HpCDF				1.2509	10.077	39.15		1.000		YES			0.0732	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1										



Dataset: Untitled

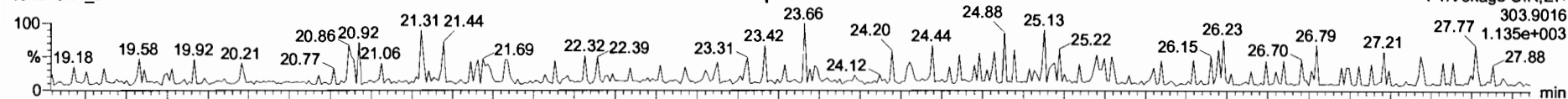
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

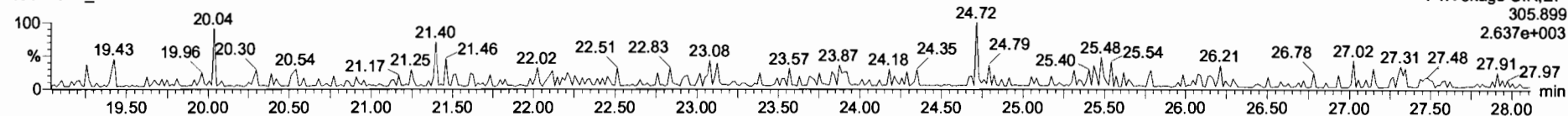
2,3,7,8-TCDF

191218K1_5



F1:Voltage SIR,EI+
303.9016
1.135e+003

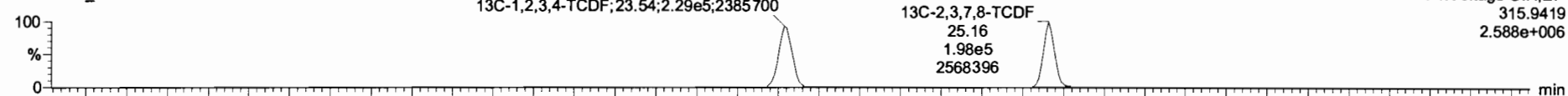
191218K1_5



F1:Voltage SIR,EI+
305.899
2.637e+003

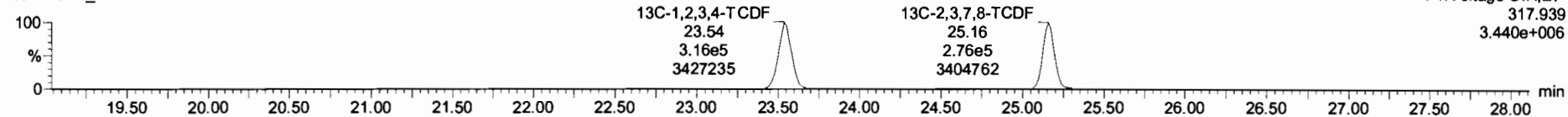
13C-2,3,7,8-TCDF

191218K1_5



F1:Voltage SIR,EI+
315.9419
2.588e+006

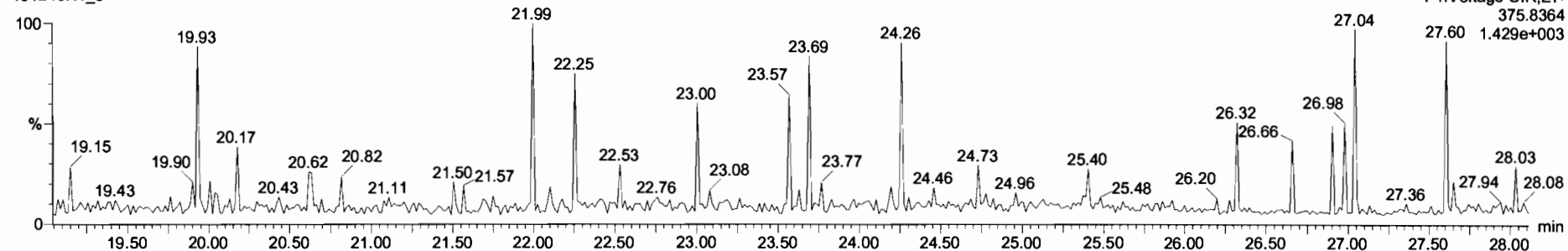
191218K1_5



F1:Voltage SIR,EI+
317.939
3.440e+006

DPE1

191218K1_5



F1:Voltage SIR,EI+
375.8364
1.429e+003

Dataset: Untitled

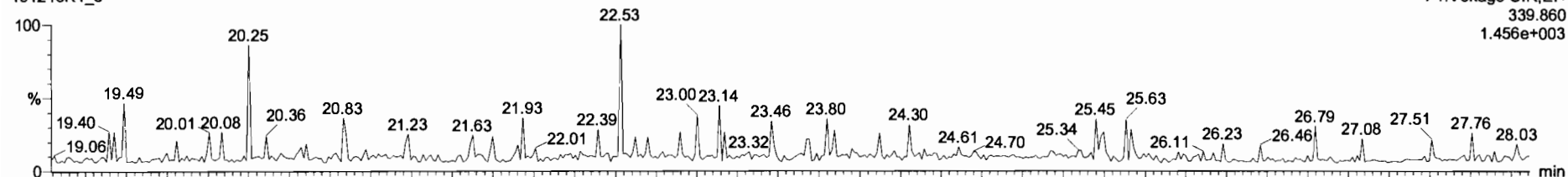
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

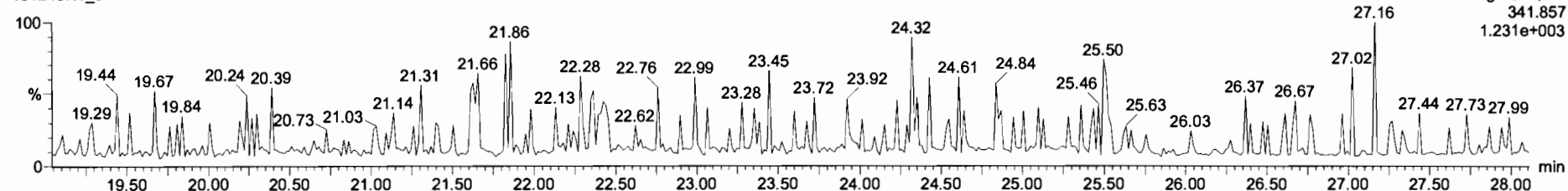
Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

1st Func. Penta-Furans

191218K1_5

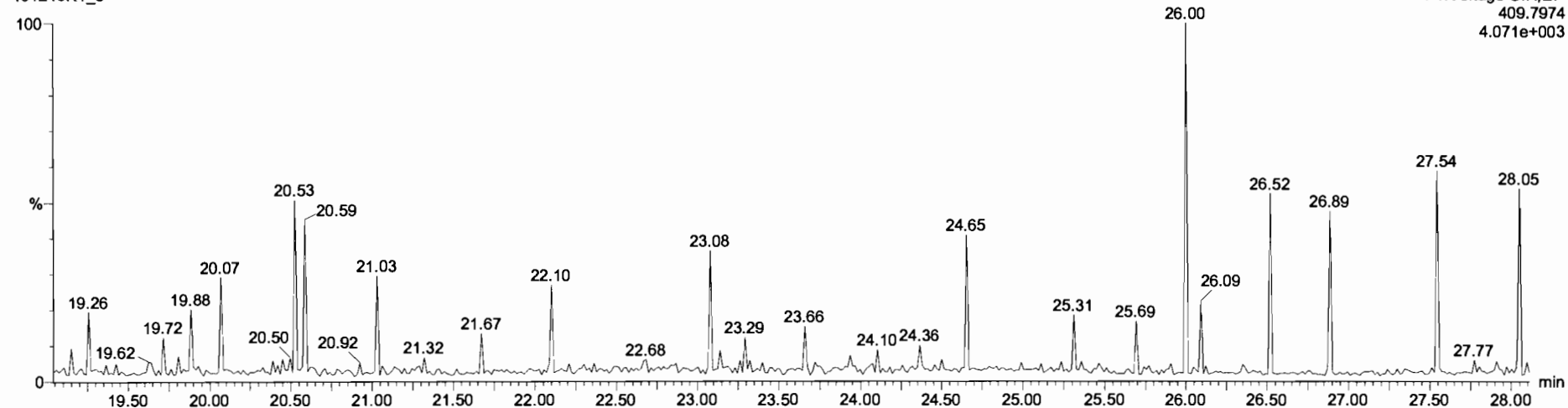


191218K1_5



DPE6

191218K1_5



Dataset: Untitled

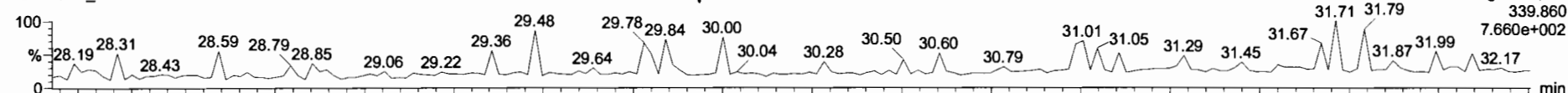
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

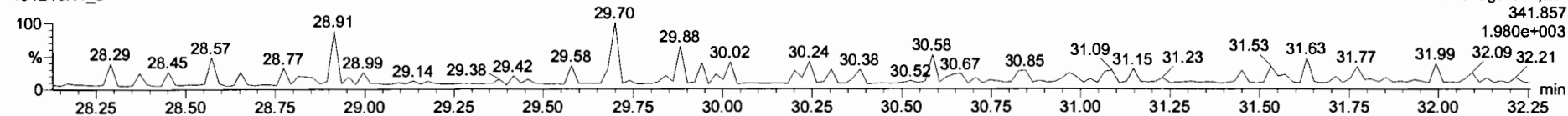
Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

1,2,3,7,8-PeCDF

191218K1_5

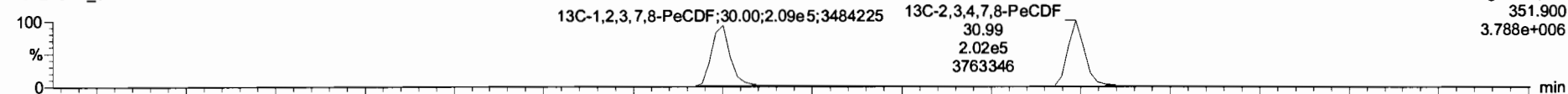


191218K1_5

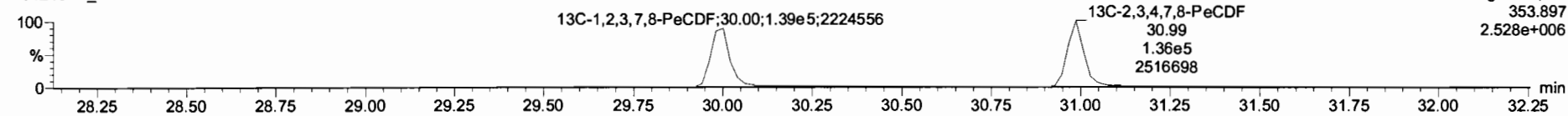


13C-1,2,3,7,8-PeCDF

191218K1_5

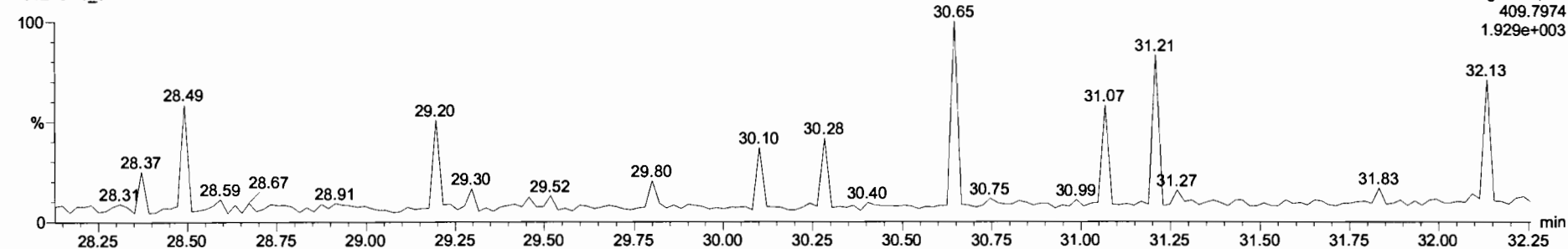


191218K1_5



DPE2

191218K1_5



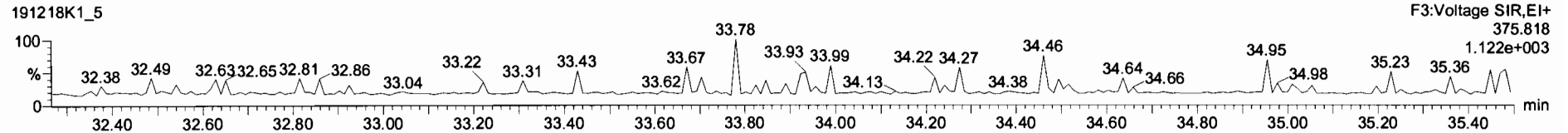
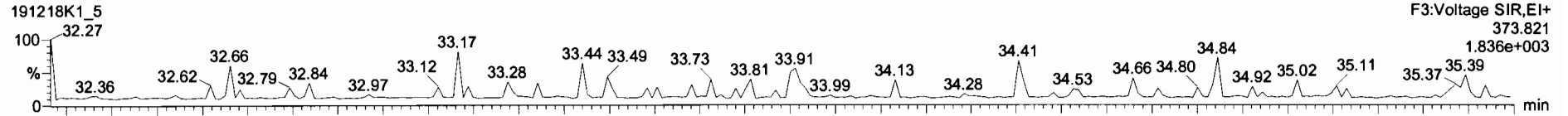
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

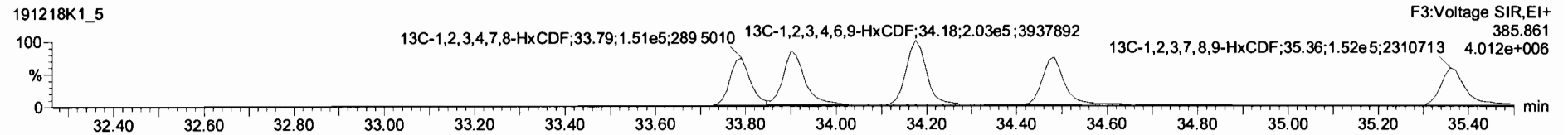
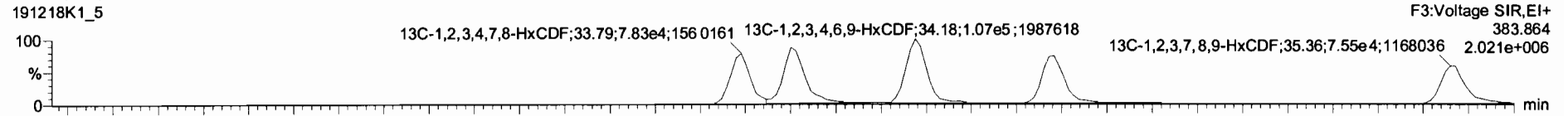
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

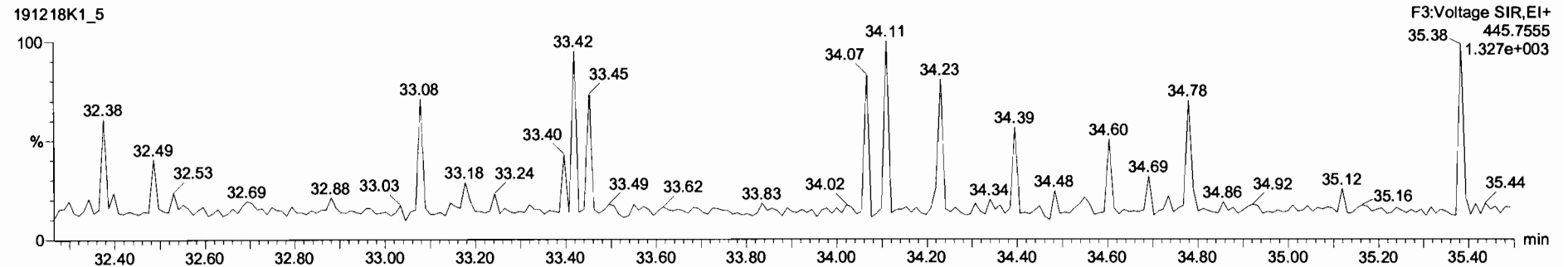
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3

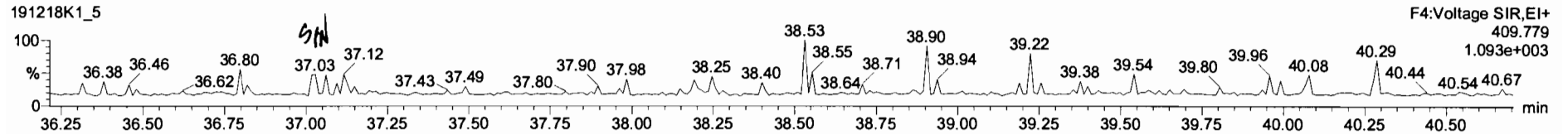
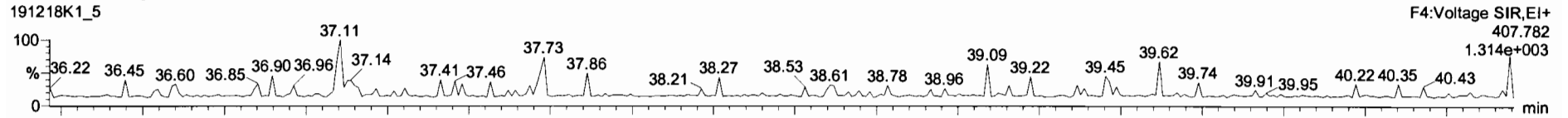


Dataset: Untitled

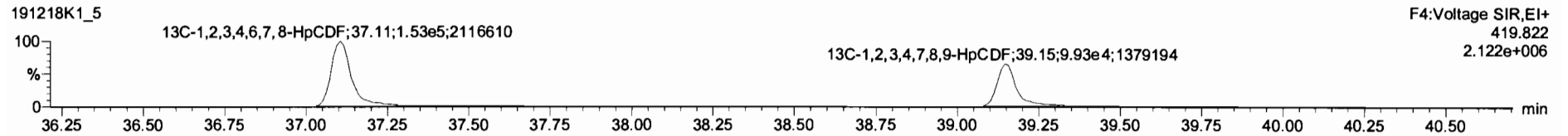
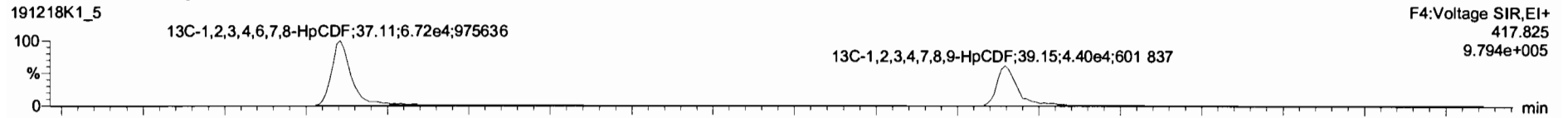
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

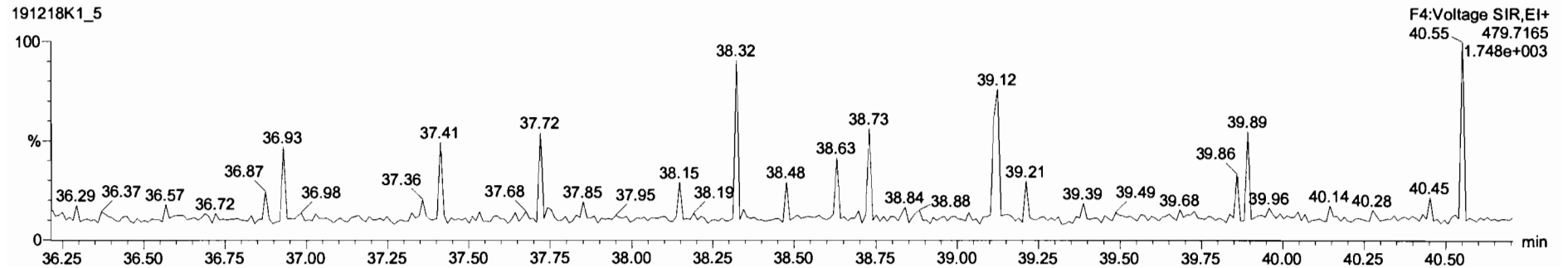
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

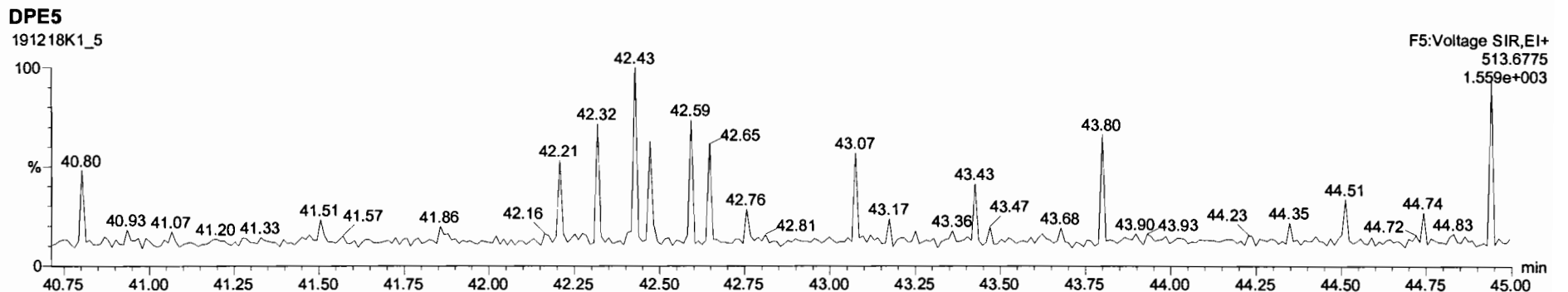
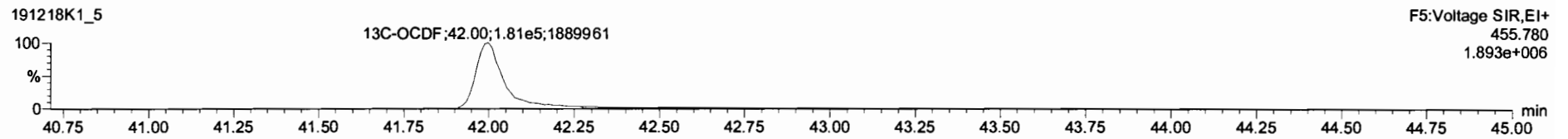
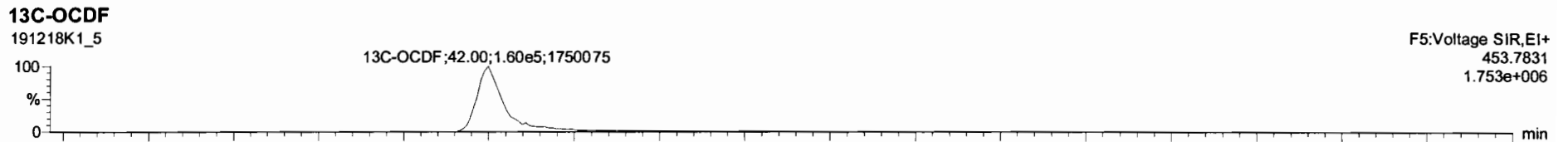
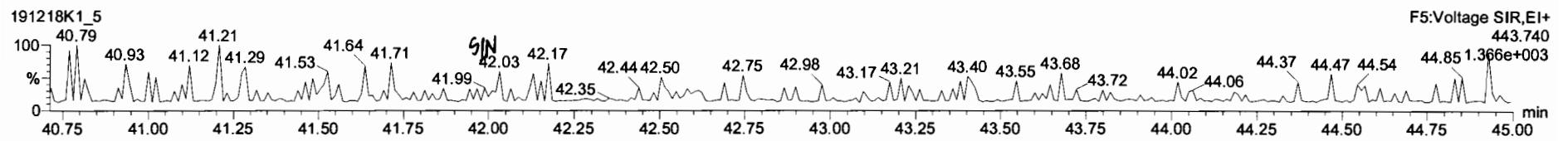
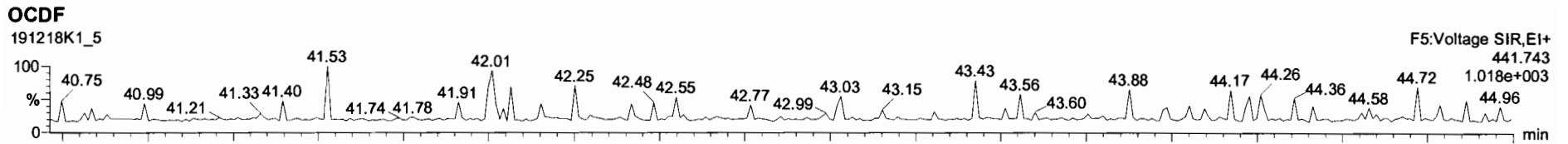


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014



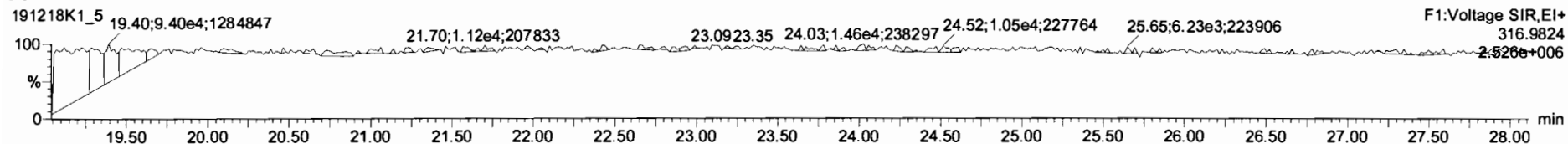
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

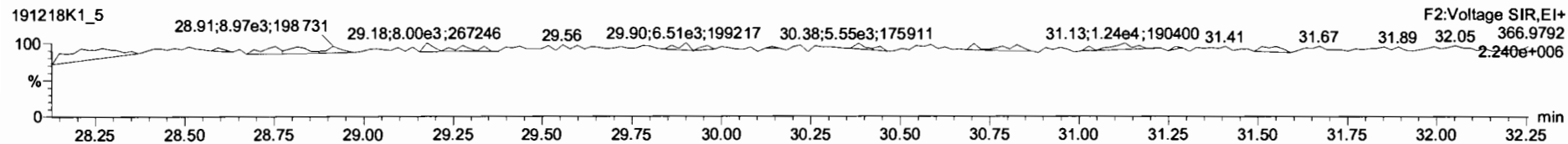
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_5, Date: 18-Dec-2019, Time: 20:45:44, ID: 1903739-04 PDI-077SC-A-15-16-191014 12.51, Description: PDI-077SC-A-15-16-191014

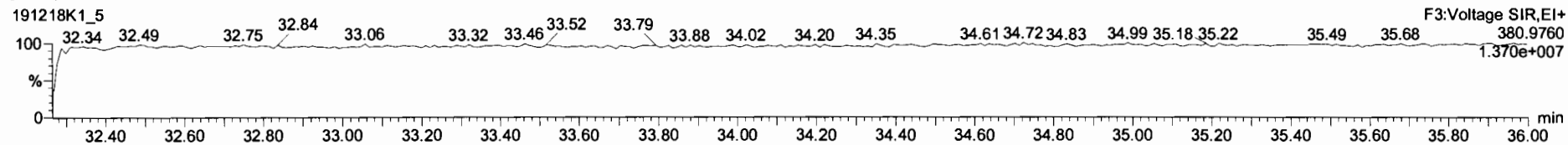
PFK1



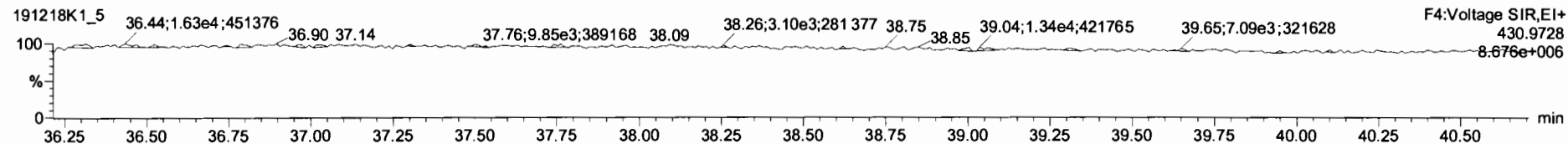
PFK2



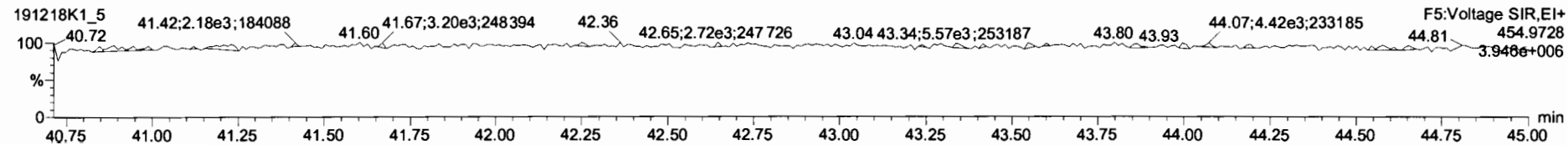
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191218K1\191218K1-6.qld

Last Altered: Friday, December 20, 2019 12:31:37 Pacific Standard Time

Printed: Friday, December 20, 2019 12:34:33 Pacific Standard Time

EL 12/19/19

C7 12/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.925	10.151	26.17		1.00		YES			0.153	
2	1,2,3,7,8-PeCDD				0.905	10.151	31.31		1.00		YES			0.127	
3	1,2,3,4,7,8-HxCDD				1.07	10.151	34.66		1.00		YES			0.124	
4	1,2,3,6,7,8-HxCDD				0.967	10.151	34.76		1.00		YES			0.119	
5	1,2,3,7,8,9-HxCDD				0.978	10.151	35.06		1.00		YES			0.145	
6	1,2,3,4,6,7,8-HpCDD	402.838	0.977	NO	1.04	10.151	38.55	38.54	1.00	1.00	NO	0.4090		0.211	0.4090
7	OCDD	2894.226	0.847	NO	0.972	10.151	41.79	41.80	1.00	1.00	NO	3.878		0.439	3.878
8	2,3,7,8-TCDF				0.938	10.151	25.18		1.00		YES			0.101	
9	1,2,3,7,8-PeCDF	176.261	0.889	YES	0.976	10.151	30.02	29.98	1.00	1.00	NO	0.09715		0.0343	0.07522
10	2,3,4,7,8-PeCDF	60.908	0.703	YES	1.00	10.151	31.02	31.03	1.00	1.00	NO	0.03481		0.0218	0.02364
11	1,2,3,4,7,8-HxCDF	559.328	1.647	YES	1.24	10.151	33.78	33.79	1.00	1.00	NO	0.2943		0.0300	0.2491
12	1,2,3,6,7,8-HxCDF				1.10	10.151	33.91		1.00		YES			0.0528	
13	2,3,4,6,7,8-HxCDF				1.18	10.151	34.52		1.00		YES			0.0628	
14	1,2,3,7,8,9-HxCDF				1.07	10.151	35.36		1.00		YES			0.0866	
15	1,2,3,4,6,7,8-HpCDF	187.862	0.819	YES	1.13	10.151	37.14	37.13	1.00	1.00	NO	0.1304		0.0462	0.1152
16	1,2,3,4,7,8,9-HpCDF				1.26	10.151	39.16		1.00		YES			0.129	
17	OCDF	460.504	0.846	NO	1.10	10.151	42.00	42.02	1.00	1.00	NO	0.3962		0.183	0.3962
18	13C-2,3,7,8-TCDD	345169.485	0.769	NO	1.05	10.151	26.15	26.14	1.03	1.03	NO	174.6	88.6	0.508	
19	13C-1,2,3,7,8-PeCDD	240637.110	0.622	NO	0.743	10.151	31.29	31.29	1.23	1.23	NO	171.9	87.2	0.427	
20	13C-1,2,3,4,7,8-HxCDD	187663.165	1.250	NO	0.646	10.151	34.65	34.65	1.01	1.01	NO	144.8	73.5	0.899	
21	13C-1,2,3,6,7,8-HxCDD	259993.383	1.297	NO	0.777	10.151	34.75	34.76	1.02	1.02	NO	167.0	84.7	0.748	
22	13C-1,2,3,7,8,9-HxCDD	216803.141	1.324	NO	0.659	10.151	35.02	35.02	1.02	1.02	NO	164.0	83.2	0.881	
23	13C-1,2,3,4,6,7,8-HpCDD	187061.476	1.029	NO	0.534	10.151	38.52	38.54	1.13	1.13	NO	174.7	88.6	0.785	
24	13C-OCDD	302623.985	0.873	NO	0.470	10.151	41.80	41.79	1.22	1.22	NO	320.9	81.4	1.34	
25	13C-2,3,7,8-TCDF	477742.829	0.726	NO	0.977	10.151	25.16	25.16	0.99	0.99	NO	161.1	81.8	0.584	
26	13C-1,2,3,7,8-PeCDF	366211.329	1.546	NO	0.778	10.151	29.98	30.00	1.18	1.18	NO	155.2	78.8	0.926	
27	13C-2,3,4,7,8-PeCDF	343114.781	1.545	NO	0.750	10.151	30.97	30.99	1.22	1.22	NO	150.9	76.6	0.961	
28	13C-1,2,3,4,7,8-HxCDF	301156.953	0.523	NO	0.845	10.151	33.79	33.78	0.99	0.99	NO	177.7	90.2	1.12	
29	13C-1,2,3,6,7,8-HxCDF	369214.094	0.541	NO	1.03	10.151	33.90	33.90	0.99	0.99	NO	179.4	91.0	0.923	
30	13C-2,3,4,6,7,8-HxCDF	291351.078	0.545	NO	0.893	10.151	34.48	34.48	1.01	1.01	NO	162.8	82.6	1.06	

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-6.qld

Last Altered: Friday, December 20, 2019 12:31:37 Pacific Standard Time

Printed: Friday, December 20, 2019 12:34:33 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	254796.977	0.514	NO	0.734	10.151	35.38	35.36	1.04	1.03	NO	173.1	87.8	1.29	
32	13C-1,2,3,4,6,7,8-HpCDF	251180.656	0.442	NO	0.754	10.151	37.09	37.10	1.09	1.09	NO	166.1	84.3	1.11	
33	13C-1,2,3,4,7,8,9-HpCDF	173240.871	0.429	NO	0.539	10.151	39.12	39.16	1.14	1.15	NO	160.3	81.4	1.55	
34	13C-OCDF	415468.719	0.933	NO	0.593	10.151	41.99	42.00	1.23	1.23	NO	349.7	88.8	1.49	
35	37Cl-2,3,7,8-TCDD	156190.891			1.07	10.151	26.17	26.17	1.03	1.03	NO	77.49	98.3	0.125	
36	13C-1,2,3,4-TCDD	371344.391	0.792	NO	1.00	10.151	25.45	25.45	1.00	1.00	NO	197.0	100	0.533	
37	13C-1,2,3,4-TCDF	597595.469	0.731	NO	1.00	10.151	23.55	23.54	1.00	1.00	NO	197.0	100	0.570	
38	13C-1,2,3,4,6,9-HxCDF	395028.547	0.531	NO	1.00	10.151	34.16	34.17	1.00	1.00	NO	197.0	100	0.947	
39	Total Tetra-Dioxins				0.925	10.151	24.62		0.00		NO			0.0898	
40	Total Penta-Dioxins				0.905	10.151	29.96		0.00		NO			0.0469	
41	Total Hexa-Dioxins				0.967	10.151	33.63		0.00		NO	0.2384		0.0750	0.2384
42	Total Hepta-Dioxins				1.04	10.151	38.80		0.00		NO	0.9065		0.211	0.9065
43	Total Tetra-Furans				0.938	10.151	23.61		0.00		NO	0.4780		0.101	0.4780
44	1st Func. Penta-Furans				0.976	10.151	27.04		0.00		NO			0.0252	
45	Total Penta-Furans				0.976	10.151	29.27		0.00		NO	0.0000		0.0336	0.1877
46	Total Hexa-Furans				1.18	10.151	33.56		0.00		NO	0.0000		0.0347	0.2491
47	Total Hepta-Furans				1.13	10.151	37.83		0.00		NO	0.0000		0.0531	0.2962

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-6.qld

Last Altered: Friday, December 20, 2019 12:31:37 Pacific Standard Time

Printed: Friday, December 20, 2019 12:35:17 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1									

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
1									

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
41	Total Hexa-Dioxins	2.59e2	0.00e0	1.351	NO	33.63	33.19	0.2384	0.2384

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
42	Total Hepta-Dioxins	4.90e2	1.87e5	1.003	NO	38.80	37.50	0.4976	0.4976
6	1,2,3,4,6,7,8-HpCDD	4.03e2	1.87e5	0.977	NO	38.55	38.54	0.4090	0.4090

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC
43	Total Tetra-Furans	1.09e3	4.78e5	0.779	NO	23.61	20.86	0.4780	0.4780

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred RT	RT	Conc.	EMPC

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-6.qld

Last Altered: Friday, December 20, 2019 12:31:37 Pacific Standard Time

Printed: Friday, December 20, 2019 12:35:17 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	45 Total Penta-Furans	0.00e0	0.00e0	1.139	YES	29.27	30.99	0.0000	0.08888
2	9 1,2,3,7,8-PeCDF	1.76e2	3.66e5	0.889	YES	30.02	29.98	0.0000	0.07522
3	10 2,3,4,7,8-PeCDF	6.09e1	3.43e5	0.703	YES	31.02	31.03	0.0000	0.02364

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	11 1,2,3,4,7,8-HxCDF	5.59e2	3.01e5	1.647	YES	33.78	33.79	0.0000	0.2491

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
	47 Total Hepta-Furans	0.00e0	0.00e0	1.509	YES	37.83	37.74	0.0000	0.1810
	15 1,2,3,4,6,7,8-HpCDF	1.88e2	2.51e5	0.819	YES	37.14	37.13	0.0000	0.1152

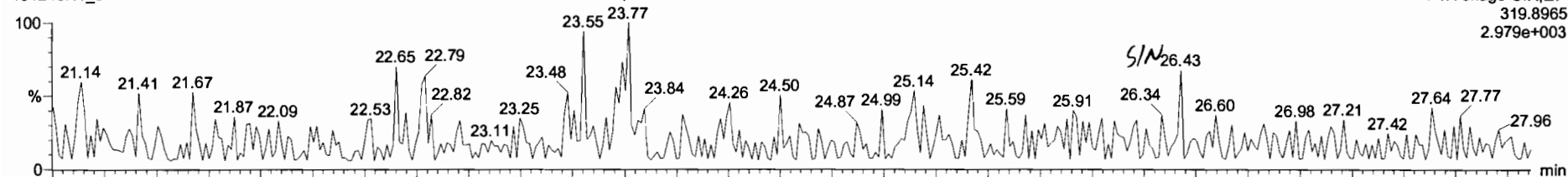
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

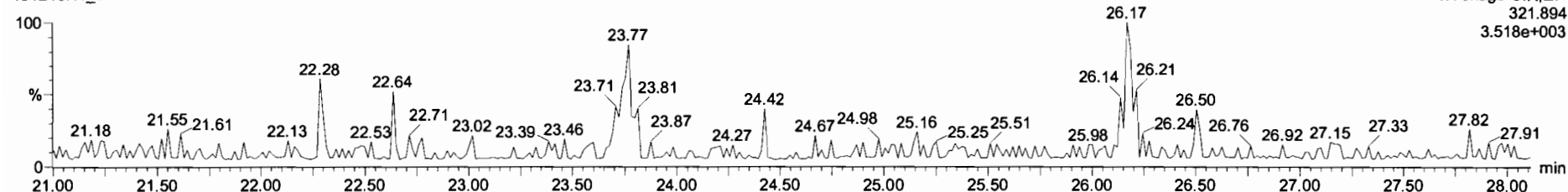
Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

2,3,7,8-TCDD

191218K1_6

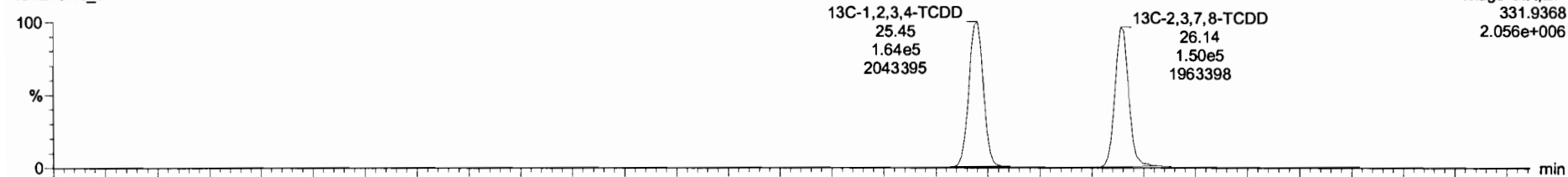


191218K1_6

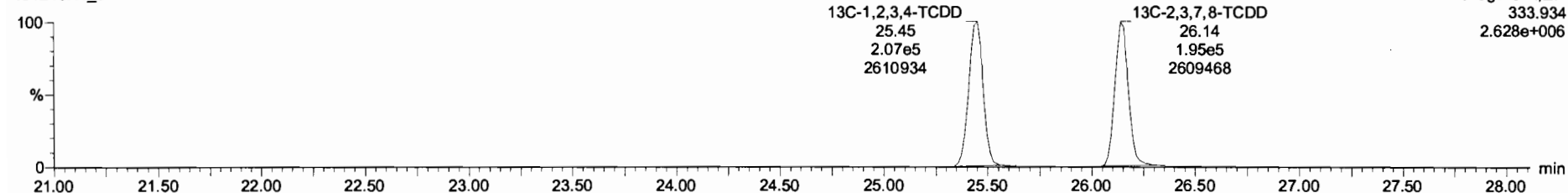


13C-2,3,7,8-TCDD

191218K1_6



191218K1_6



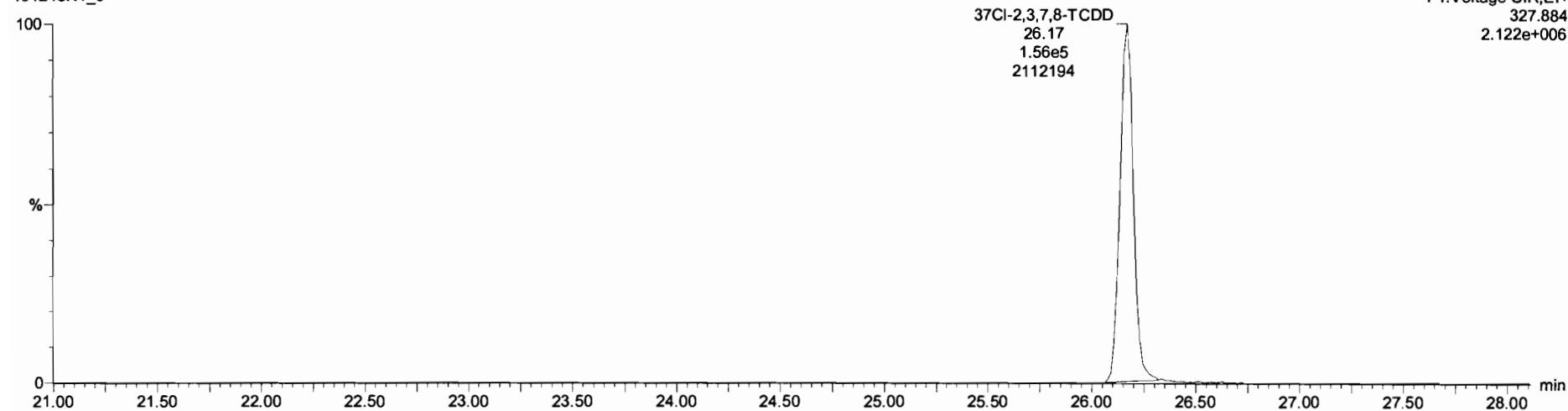
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

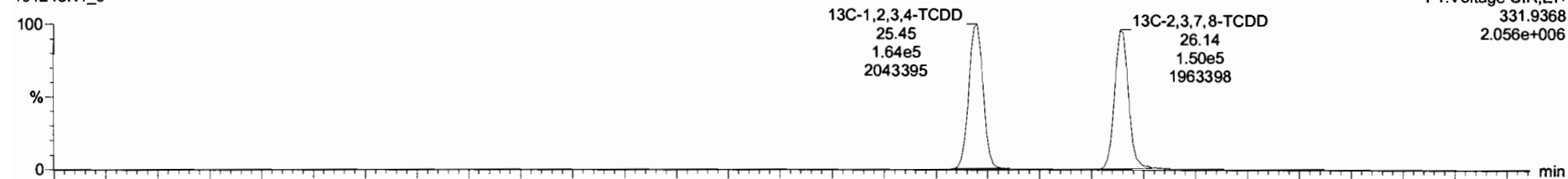
37Cl-2,3,7,8-TCDD

191218K1_6

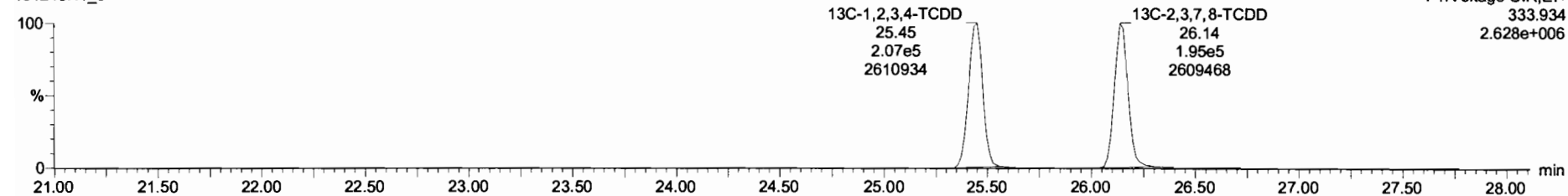


13C-1,2,3,4-TCDD

191218K1_6



191218K1_6



Dataset: Untitled

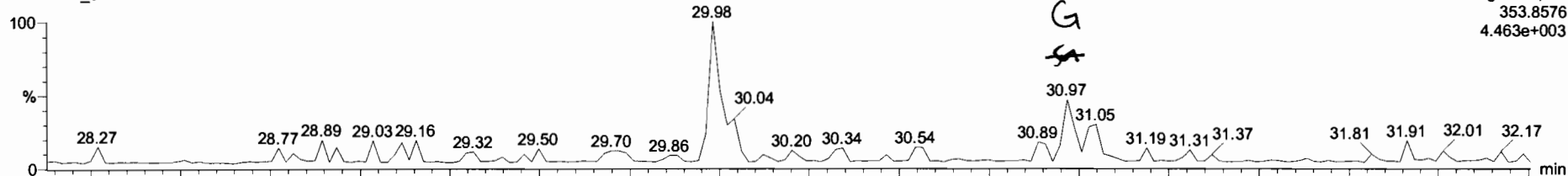
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

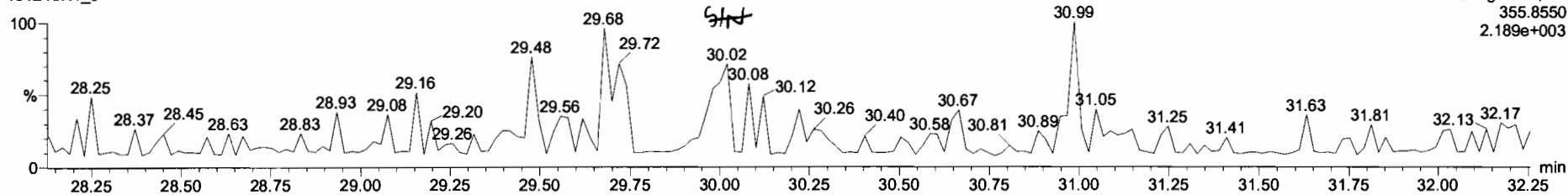
Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1,2,3,7,8-PeCDD

191218K1_6

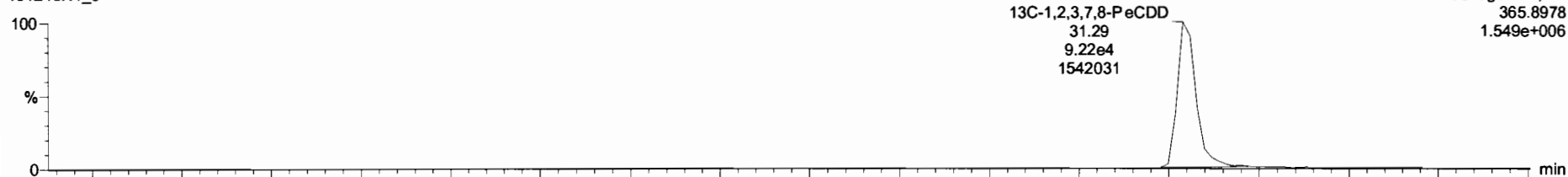


191218K1_6

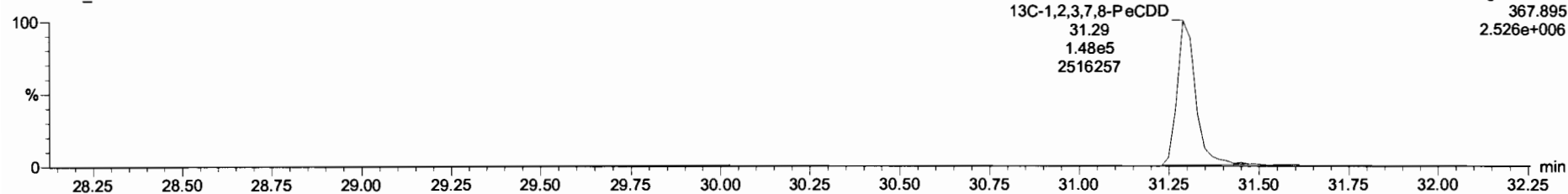


13C-1,2,3,7,8-PeCDD

191218K1_6



191218K1_6



Dataset: Untitled

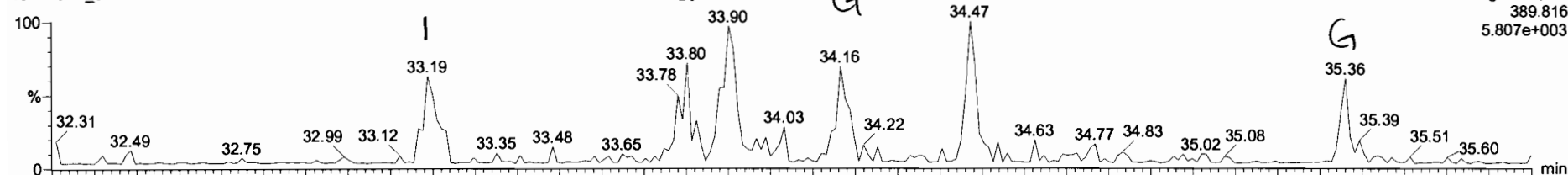
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

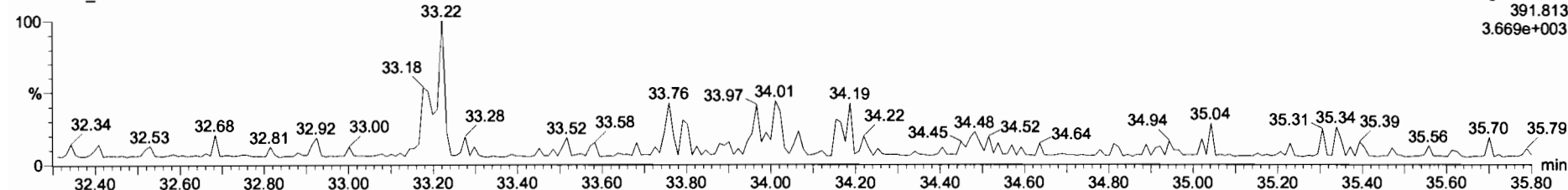
Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1,2,3,4,7,8-HxCDD

191218K1_6

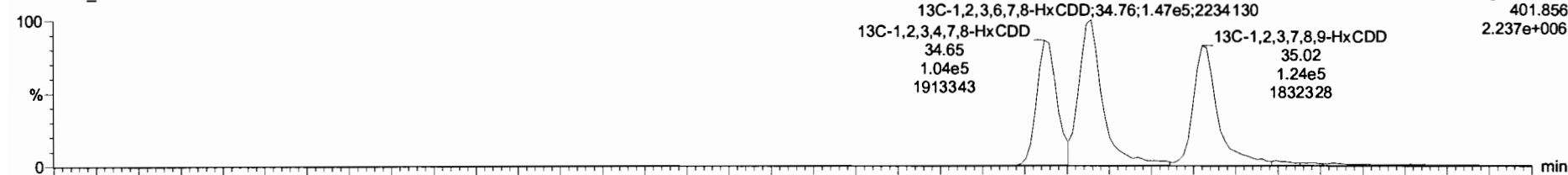


191218K1_6

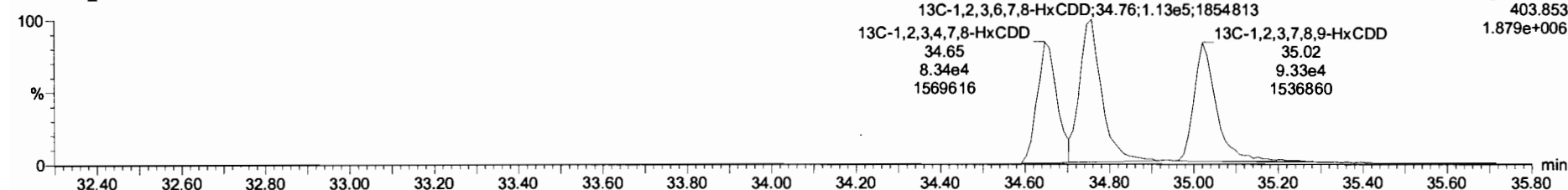


13C-1,2,3,4,7,8-HxCDD

191218K1_6



191218K1_6

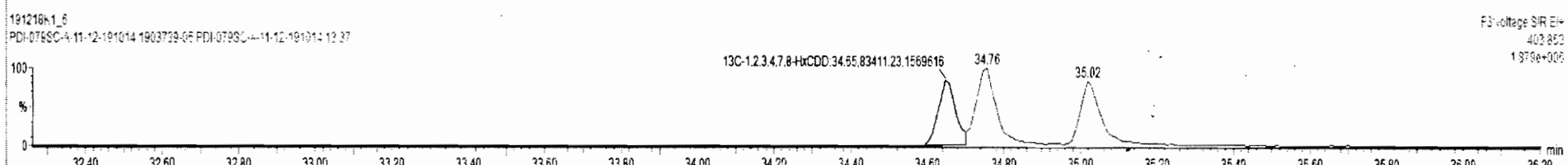
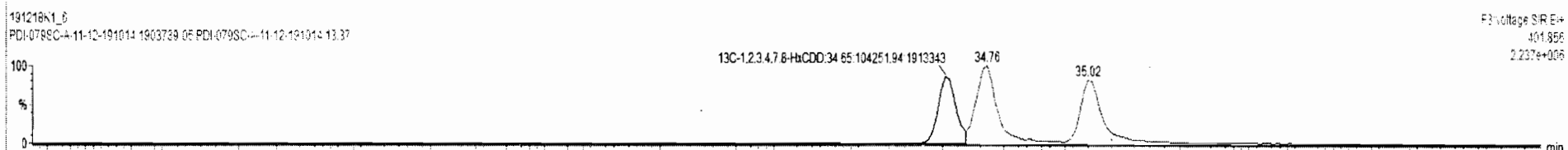
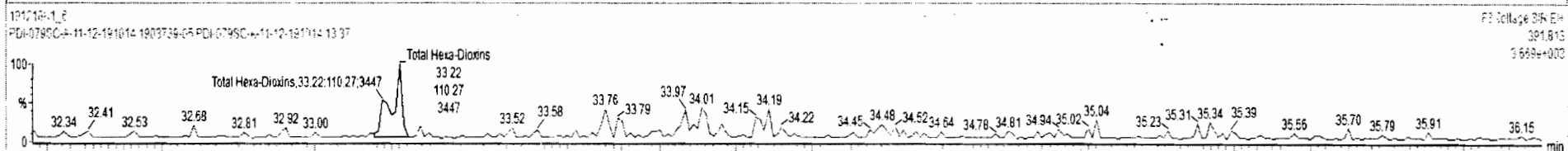
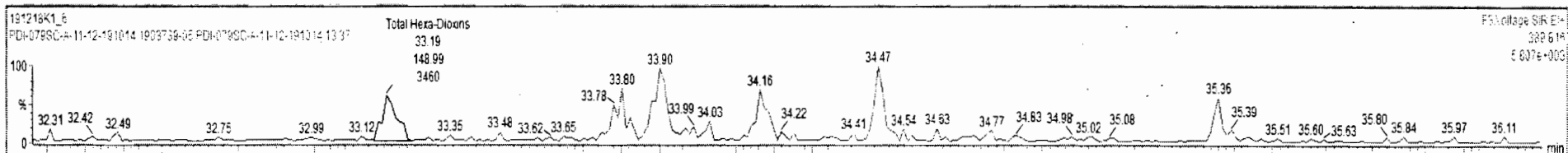




191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13:37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred R _L	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.73e5	0.43	NO	0.5290	10.151	39.12	39.16	1.145	1.146	NO	163.3	81.4	1.55	
34	13C-OCDF	4.15e5	0.93	NO	0.5925	10.151	41.99	42.00	1.229	1.229	NO	349.7	88.8	1.49	
35	37Cl-2,3,7,8-TCDD	1.56e5			1.0695	10.151	26.17	26.17	1.028	1.028	NO	77.49	98.3	0.125	
36	13C-1,2,3,4-TCDD	3.71e5	0.79	NO	1.0000	10.151	25.45	25.45	1.000	1.000	NO	197.0	100	0.533	
37	13C-1,2,3,4-TCDF	5.98e5	0.73	NO	1.0000	10.151	23.55	23.54	1.000	1.000	NO	197.0	100	0.570	
38	13C-1,2,3,4,6,9-HxCDF	3.95e5	0.53	NO	1.0000	10.151	34.16	34.17	1.000	1.000	NO	197.0	100	0.947	
39	Total Tetra-Dioxins				0.9249	10.151	24.62		0.000		NO			0.0898	
40	Total Penta-Dioxins				0.9048	10.151	29.96		0.000		NO			0.0469	
41	Total Hexa-Dioxins				0.9875	10.151	33.63		0.000		NO	0.2384	0.0750	0.2384	
42	Total Hepta-Dioxins				1.0375	10.151	38.80		0.000		NO	0.0603	0.114	0.4421	
43	Total Tetra-Furans				0.9276	10.151	23.61		0.000		NO	0.4760	0.101	0.4760	
44	1st Func. Penta-Furans				0.9762	10.151	27.04		0.000		NO		0.0252		
45	Total Penta-Furans				0.9762	10.151	29.27		0.000		NO		0.0336		

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	41 Total Hexa-Dioxins	33.63	33.19	1.490e2	1.103e2	1.240	1.35	NO	0.23839	0.23839



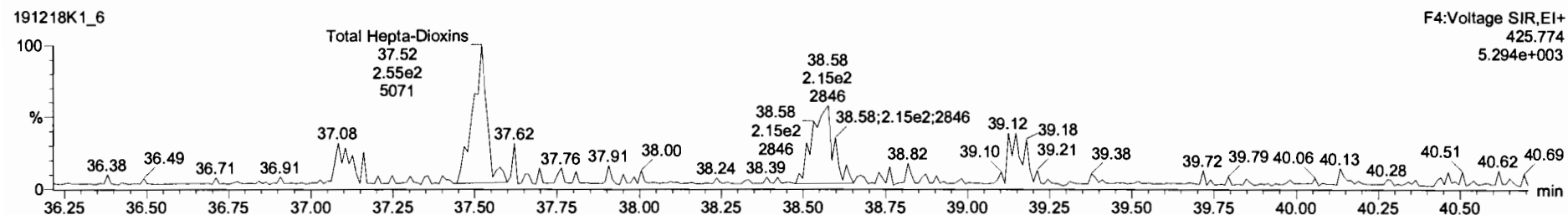
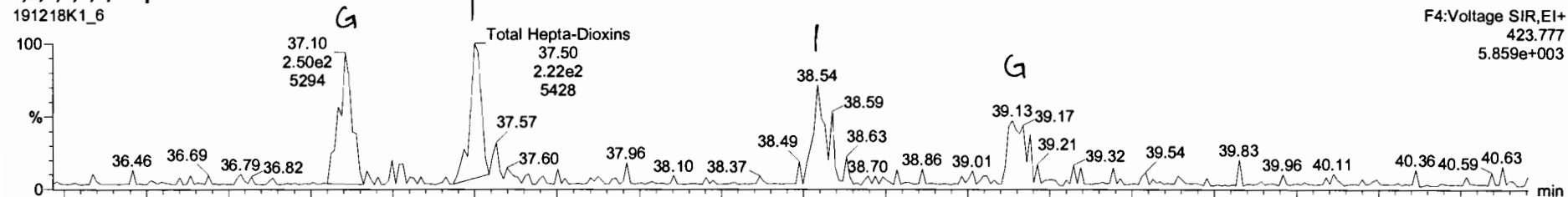
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

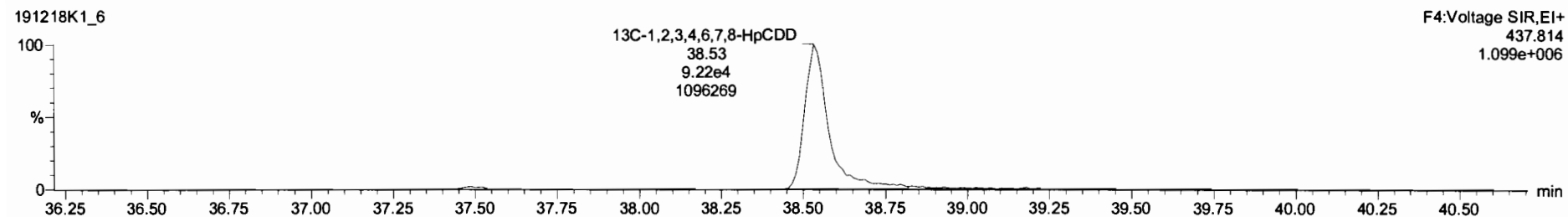
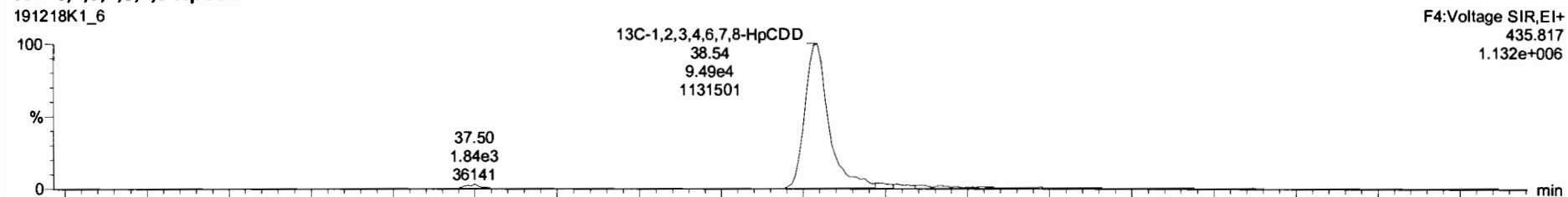
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1,2,3,4,6,7,8-HpCDD



13C-1,2,3,4,6,7,8-HpCDD

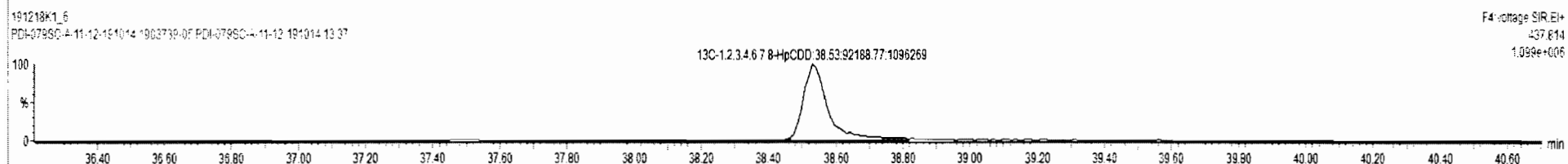
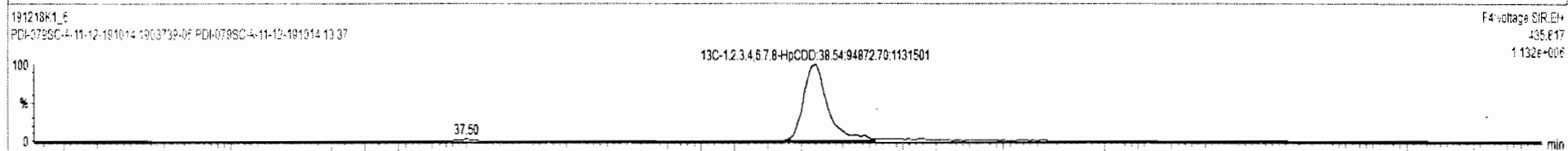
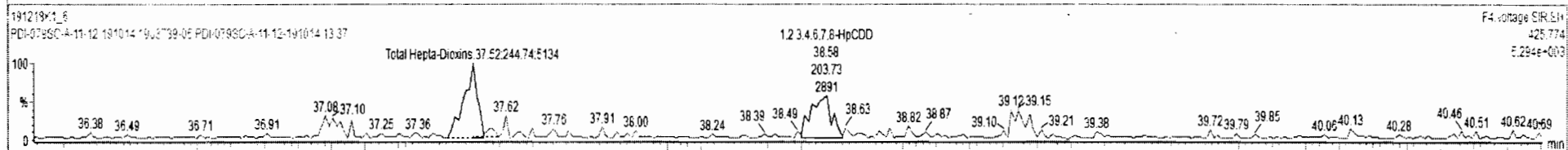
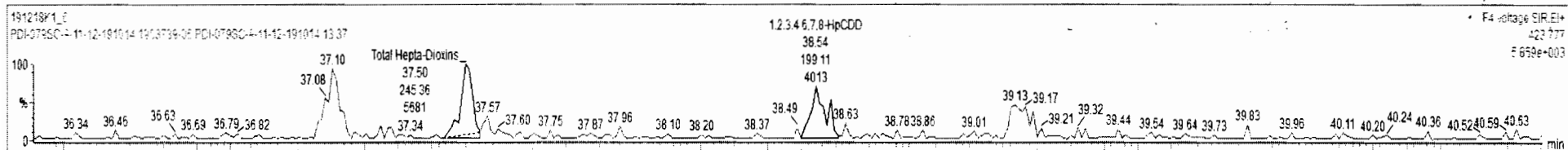




191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13 37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	nly	RRF	wVol	Pred.RT	RT	Pred.RL	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
33	13C-1,2,3,4,7,8,9-HpCDF	1.73eE	0.43	NO	0.5390	10.151	39.12	39.16	1.145	1.146	NO	160.3	81.4	1.55	
34	13C-OCDF	4.15eE	0.53	NO	0.5925	10.151	41.99	42.00	1.229	1.229	NO	349.7	86.8	1.49	
35	37Cl-2,3,7,8-TCDD	1.56eE			1.0695	10.151	26.17	26.17	1.028	1.028	NO	77.49	95.3	0.125	
36	13C-1,2,3,4-TCDD	3.71eE	0.79	NO	1.0000	10.151	25.45	25.45	1.000	1.000	NO	197.0	100	0.533	
37	13C-1,2,3,4-TCDF	5.98eE	0.73	NO	1.0000	10.151	23.55	23.54	1.000	1.000	NO	197.0	100	0.570	
38	13C-1,2,3,4,6,9-HxCDF	3.95eE	0.53	NO	1.0000	10.151	34.16	34.17	1.000	1.000	NO	197.0	100	0.947	
39	Total Tetra-Dioxins				0.9249	10.151	24.62		0.000		NO				0.0898
40	Total Penta-Dioxins				0.9046	10.151	29.96		0.000		NO				0.0469
41	Total Hexa-Dioxins				0.9675	10.151	33.63		0.000		NO	0.2384		0.0750	0.2384
42	Total Hepta-Dioxins				1.0375	10.151	38.80		0.000		NO	0.9065		0.211	0.9065
43	Total Tetra-Furans				0.9376	10.151	23.61		0.000		NO	0.4780		0.101	0.4780
44	1st Func. Penta-Furans				0.9762	10.151	27.04		0.000		NO				0.0252
45	Total Penta-Furans				0.9762	10.151	29.27		0.000		NO				0.0336

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDD	38.55	38.54	1.991e2	2.037e2	1.040	0.96	NO	0.40897	0.40897
2	Total Hepta-Dioxins	38.80	37.50	2.454e2	2.447e2	1.040	1.00	NO	0.49757	0.49757



Dataset: Untitled

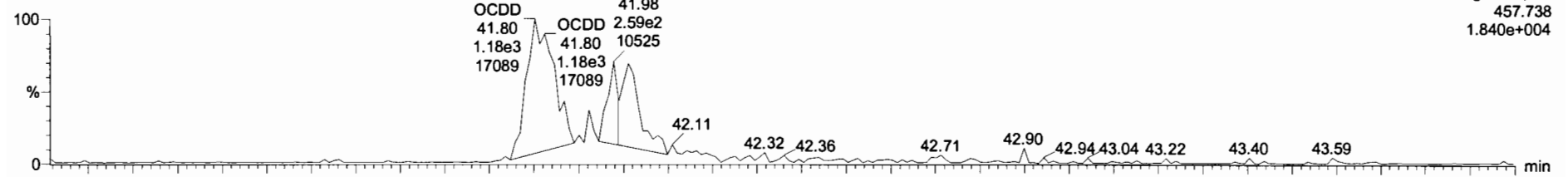
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

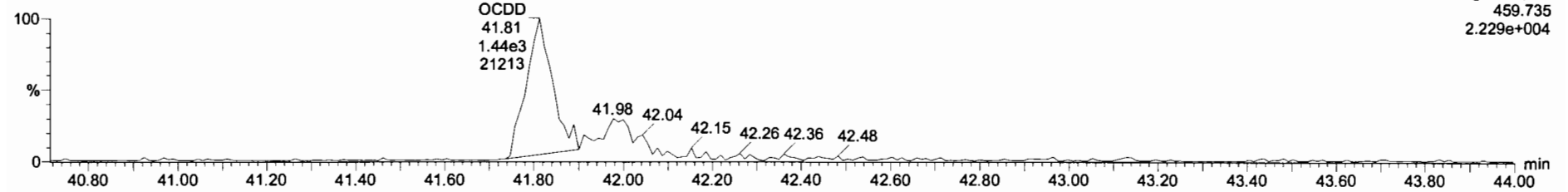
OCDD

191218K1_6



F5:Voltage SIR,EI+
457.738
1.840e+004

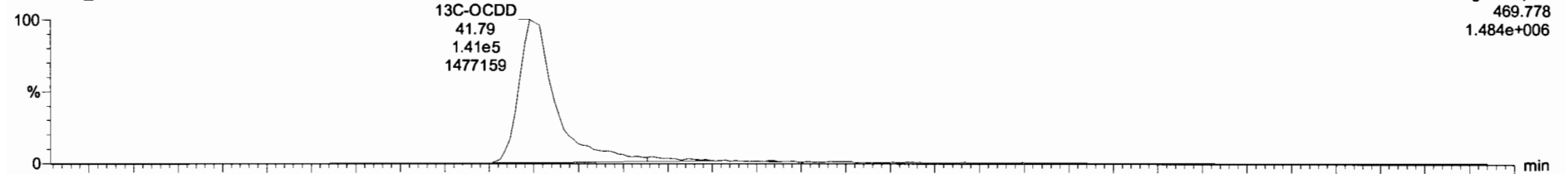
191218K1_6



F5:Voltage SIR,EI+
459.735
2.229e+004

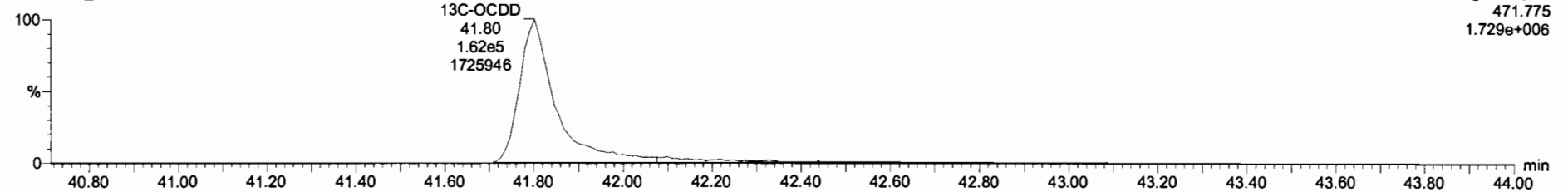
13C-OCDD

191218K1_6



F5:Voltage SIR,EI+
469.778
1.484e+006

191218K1_6



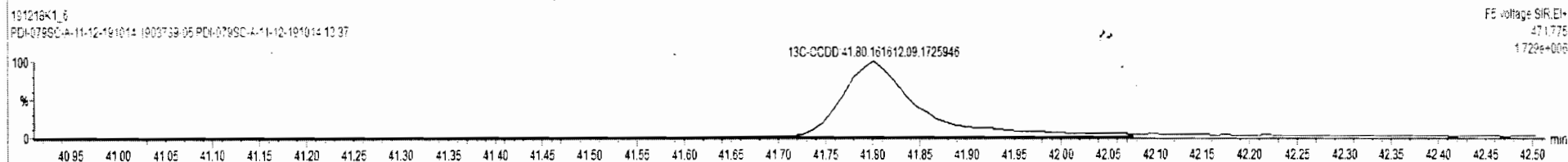
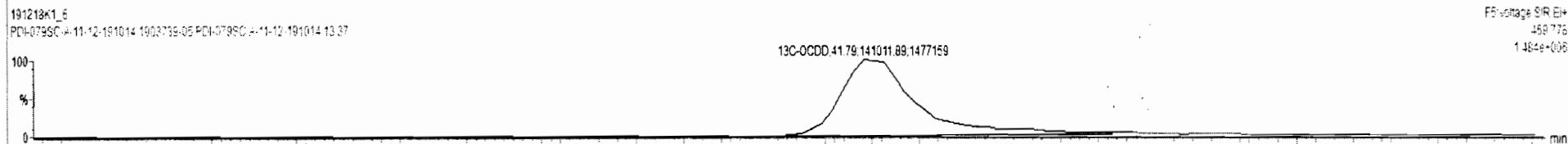
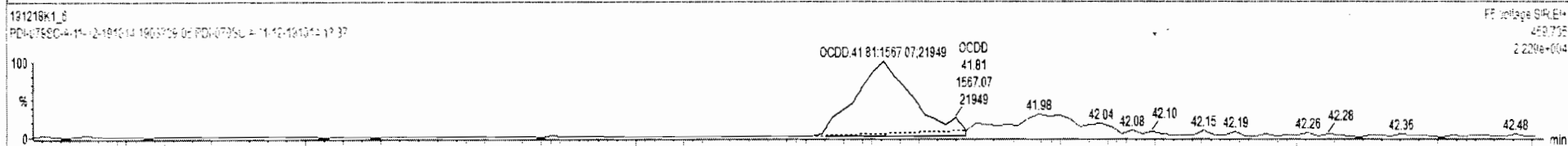
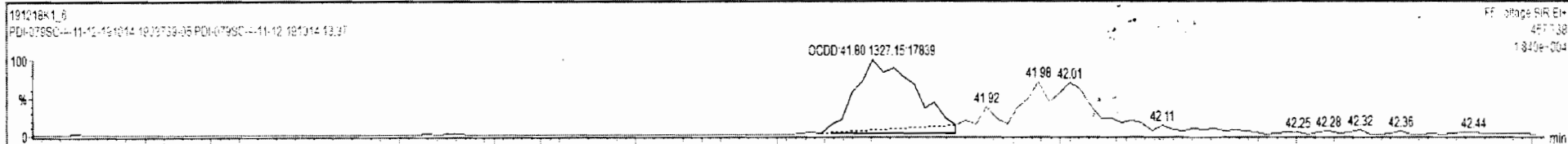
F5:Voltage SIR,EI+
471.775
1.729e+006



191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13 37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
6	1,2,3,4,6,7,8-HpCDD	4.03e2	0.98	NO	1.0375	10.151	38.55	38.54	1.000	1.000	NO	0.4050		0.211	0.4050
7	OCDD	2.89e3	0.85	NO	0.9718	10.151	41.79	41.80	1.000	1.000	NO	3.878		0.439	3.878
8	2,3,7,8-TCDF				0.9376	10.151	29.16		1.001		YES			0.101	
9	1,2,3,7,8-PeCDF				0.9762	10.151	30.02		1.001		YES			0.0774	
10	2,3,4,7,8-PeCDF				1.0049	10.151	31.02		1.001		YES			0.0717	
11	1,2,3,4,7,8-HxCDF				1.2434	10.151	33.78		1.000		YES			0.0519	
12	1,2,3,6,7,8-HxCDF				1.0950	10.151	33.91		1.000		YES			0.0528	
13	2,3,4,6,7,8-HxCDF				1.1896	10.151	34.52		1.001		YES			0.0628	
14	1,2,3,7,8,9-HxCDF				1.0728	10.151	35.36		1.000		YES			0.0666	
15	1,2,3,4,6,7,8-HpCDF				1.1300	10.151	37.14		1.001		YES			0.101	
16	1,2,3,4,7,8,9-HpCDF				1.2609	10.151	39.16		1.000		YES			0.129	
17	OCDF				1.1025	10.151	42.00		1.000		YES			0.183	
18	13C-2,3,7,8-TCDD	3.45e5	0.77	NO	1.0485	10.151	26.15	26.14	1.027	1.027	NO	174.6	86.6	0.508	

#	Name	Pred RT	RT	n1 Resp	n2 Resp	1st Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



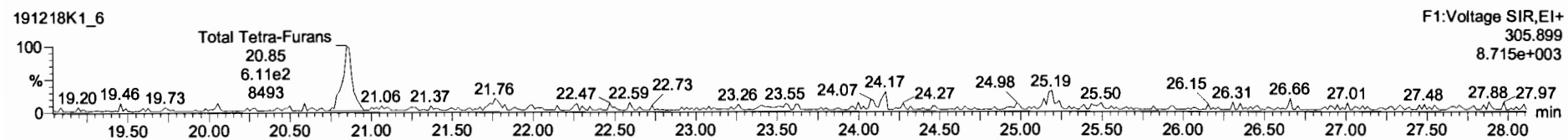
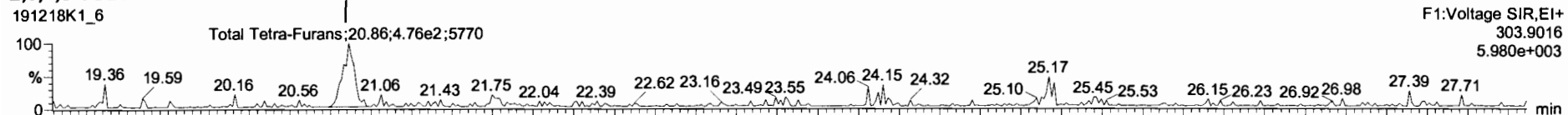
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

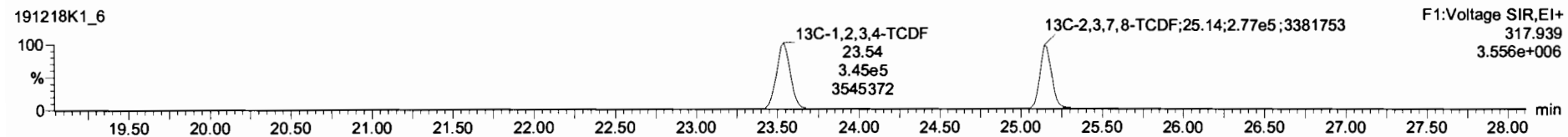
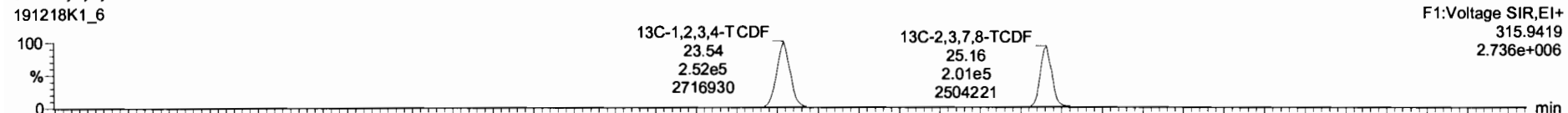
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

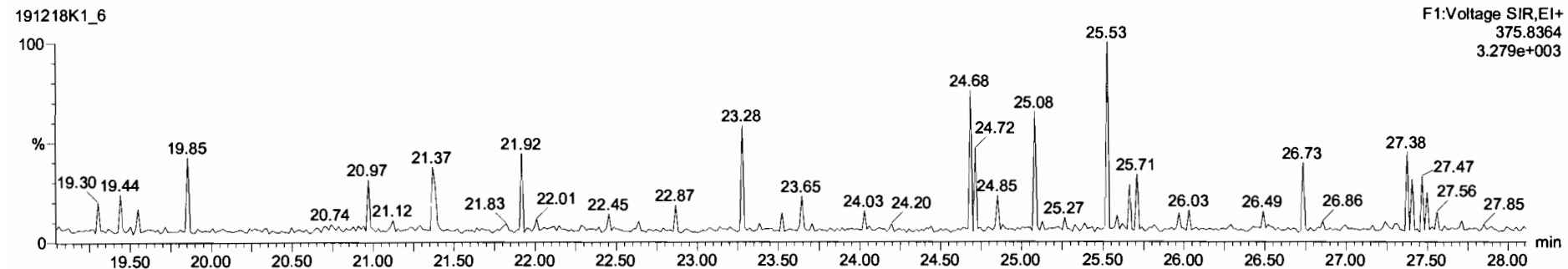
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1

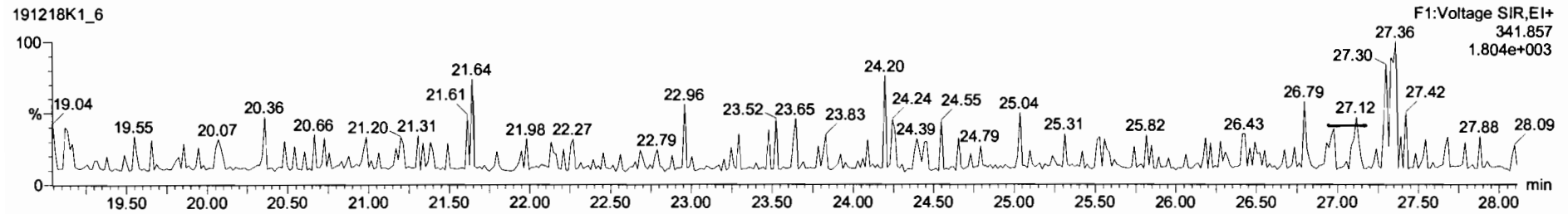
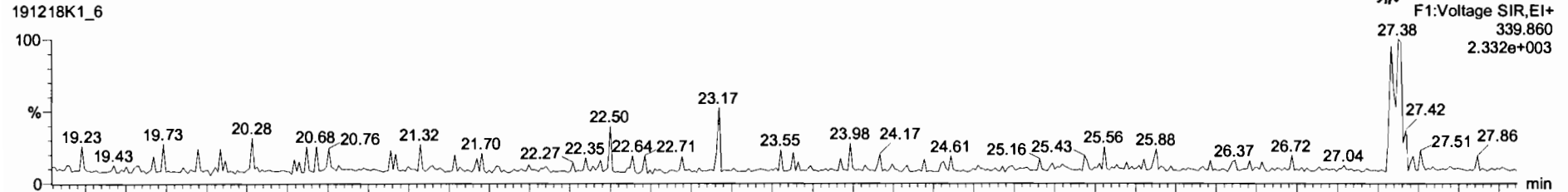


Dataset: Untitled

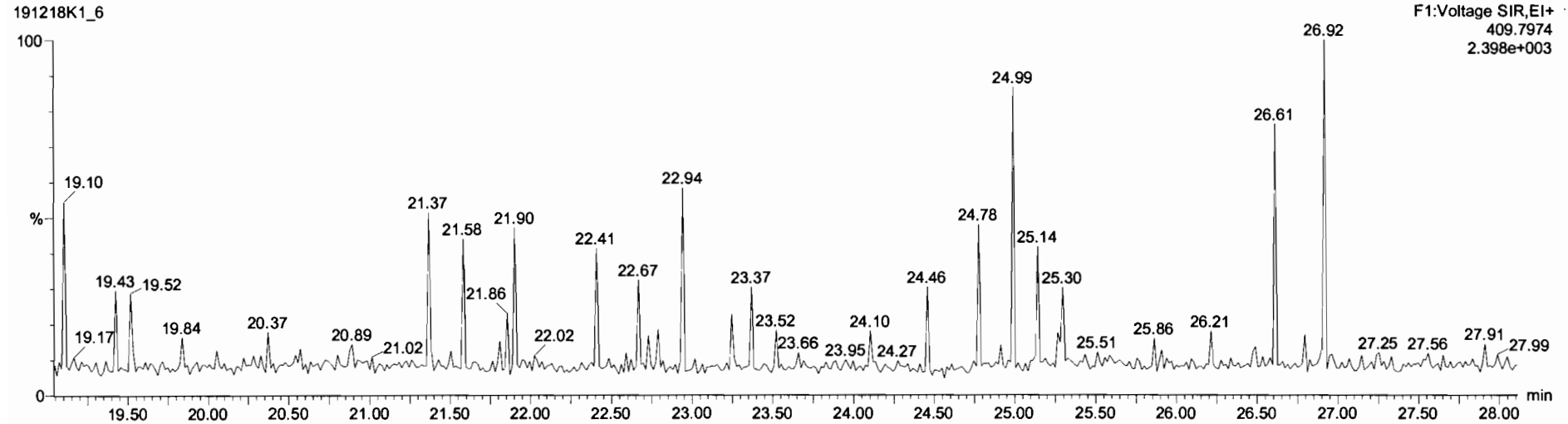
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1st Func. Penta-Furans



DPE6

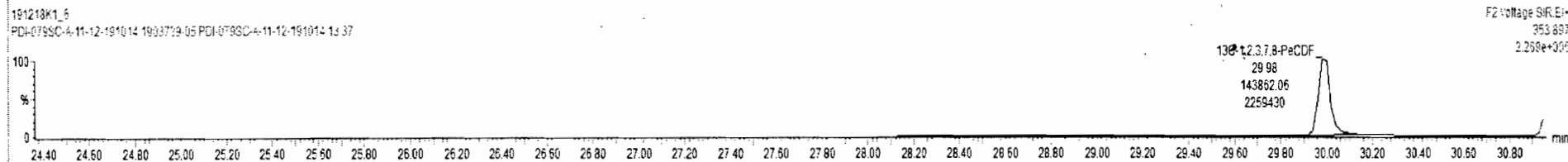
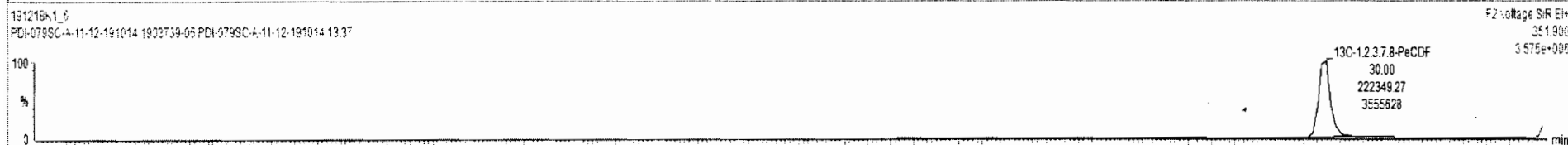
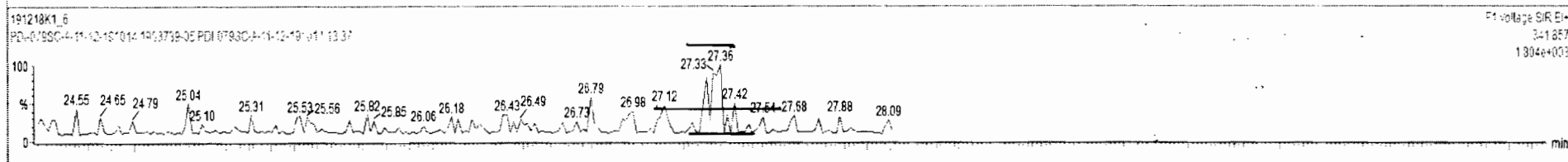
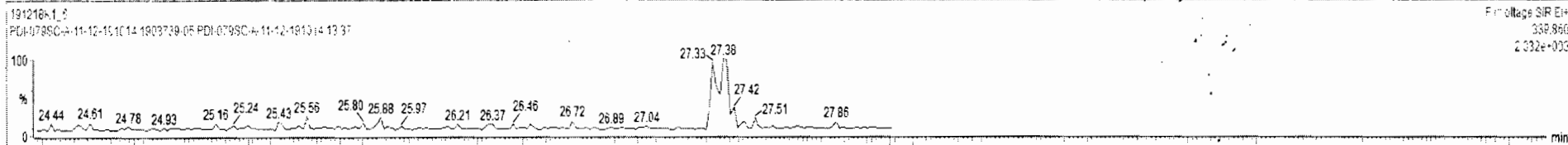




191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13:37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	n/y	RRF	wtvol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	5.95e5	0.73	NO	1.0600	10.151	23.55	23.54	1.000	1.000	NO	197.0	100	0.570	
38	13C-1,2,3,4,6-HxCDF	3.95e5	0.53	NO	1.0600	10.151	34.16	34.17	1.000	1.000	NO	197.0	100	0.947	
39	Total Tetra-Dioxins				0.9249	10.151	24.62		0.000		NO			0.0698	
40	Total Penta-Dioxins				0.9048	10.151	29.96		0.000		NO			0.0469	
41	Total Hexa-Dioxins				0.9676	10.151	33.63		0.000		NO	0.2384		0.0750	0.2384
42	Total Hepta-Dioxins				1.0375	10.151	38.80		0.000		NO	0.9065		0.211	0.9065
43	Total Tetra-Furans				0.9376	10.151	23.51		0.000		NO	0.4760		0.101	0.4760
44	1st Func. Penta-Furans				0.9762	10.151	27.04		0.000		NO			0.0252	
45	Total Penta-Furans				0.9762	10.151	29.27		0.000		NO			0.0336	
46	Total Hexa-Furans				1.1606	10.151	33.56		0.000		NO			0.0347	
47	Total Hepta-Furans				1.1300	10.151	37.83		0.000		NO			0.0531	
48	PFK1														
49	PFK2														

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



Dataset: Untitled

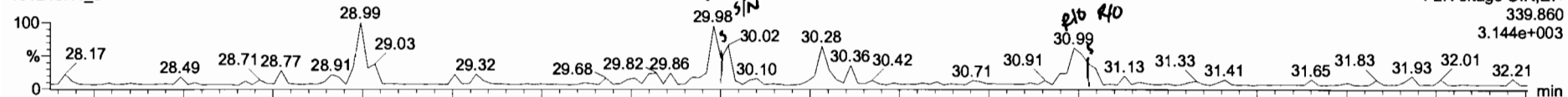
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

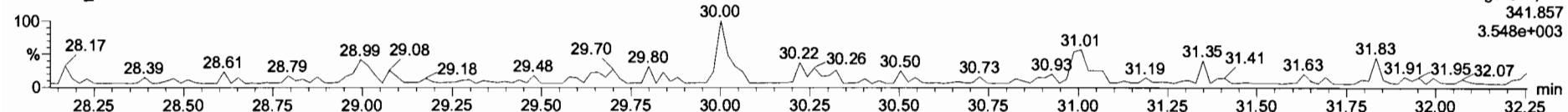
Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1,2,3,7,8-PeCDF

191218K1_6

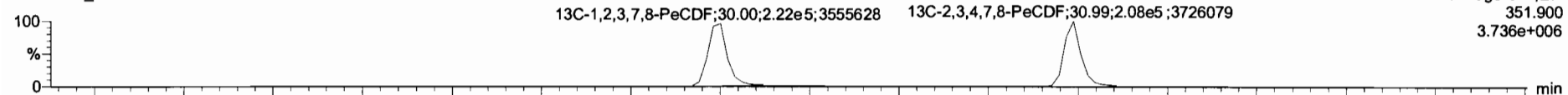


191218K1_6

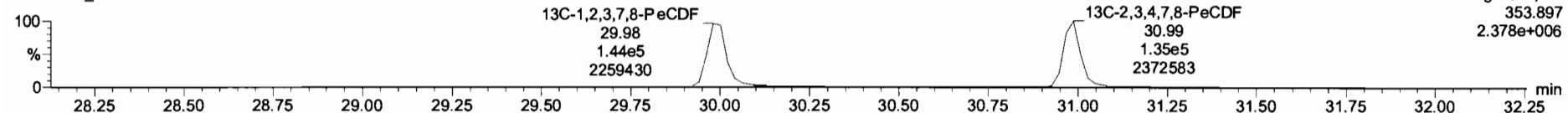


13C-1,2,3,7,8-PeCDF

191218K1_6

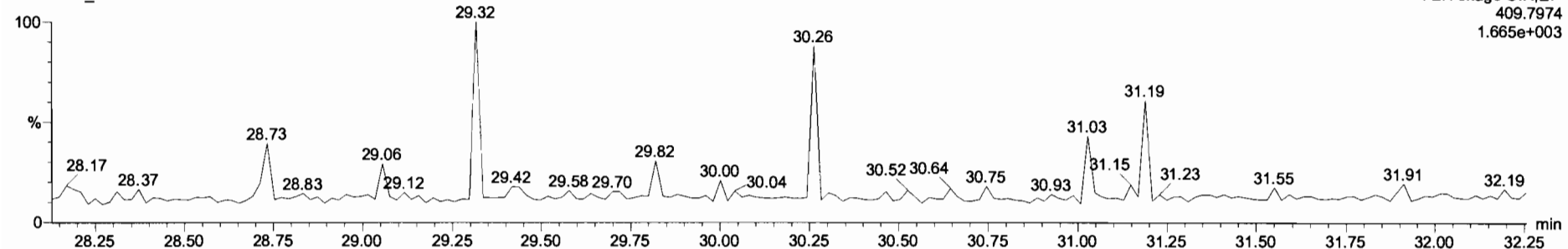


191218K1_6



DPE2

191218K1_6

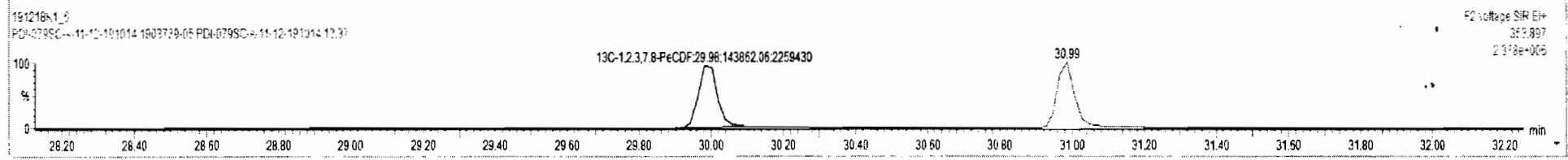
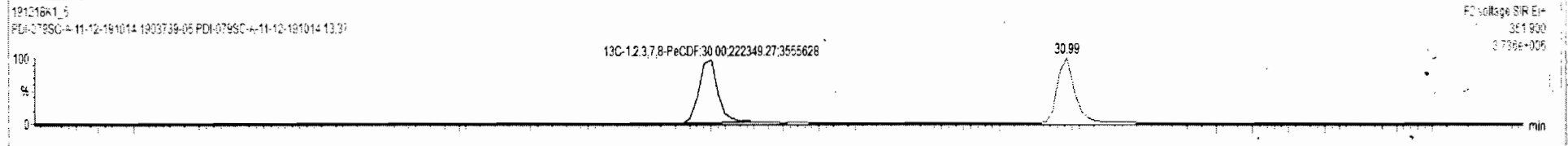
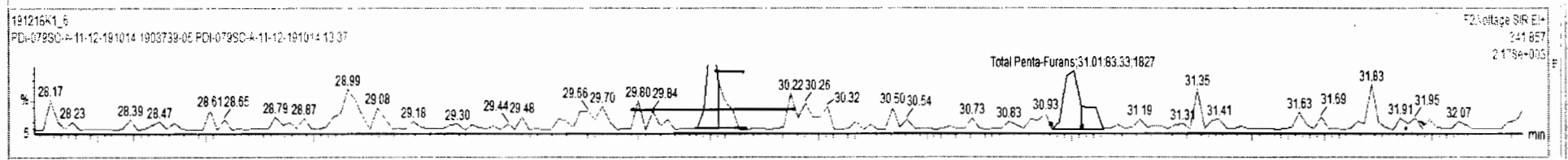
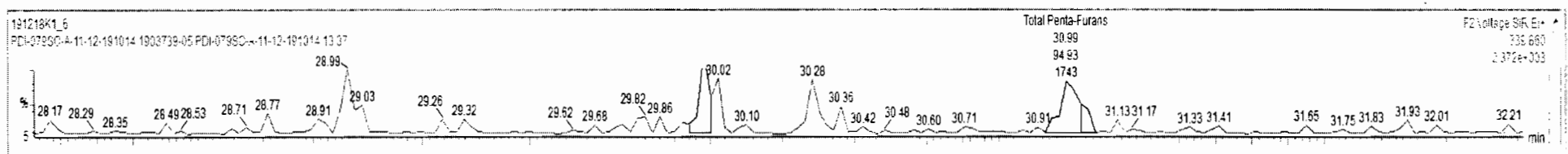




191218k1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13:37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred. RT	RT	Pred. R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
39	Total Tetra-Dioxins				0.9249	10.151	24.62		0.000		NO			0.0898	
40	Total Penta-Dioxins				0.9046	10.151	29.96		0.000		NO			0.0469	
41	Total Hexa-Dioxins				0.9675	10.151	33.63		0.000		NO	0.2384		0.0750	0.2384
42	Total Hepta-Dioxins				1.0375	10.151	38.80		0.000		NO	0.9055		0.211	0.9065
43	Total Tetra-Furans				0.9376	10.151	23.61		0.000		NO	0.4780		0.101	0.4780
44	1st Func. Penta-Furans				0.9762	10.151	27.04		0.000		NO			0.0252	
45	Total Penta-Furans				0.9762	10.151	29.27		0.000		NO	0.0000		0.0338	0.1877
46	Total Hexa-Furans				1.1806	10.151	33.56		0.000		NO	0.0000		0.0347	0.2481
47	Total Hepta-Furans				1.1300	10.151	37.83		0.000		NO	0.0000		0.0531	0.2962
48	PFK1														
49	PFK2														
50	PFK3														
51	PFK4														

#	Name	Pred. RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
9	1,2,3,7,8-PeCDF	30.02	29.98	8.295e1	8.331e1	1.550	0.89	YES	0.075217	0.00000
2	1,2,3,4,7,8-PeCDF	31.02	31.03	2.514e1	3.577e1	1.550	0.70	YES	0.023635	0.00000
3	Total Penta-Furans	29.27	30.99	9.493e1	8.333e1	1.550	1.14	YES	0.083078	0.00000



Dataset: Untitled

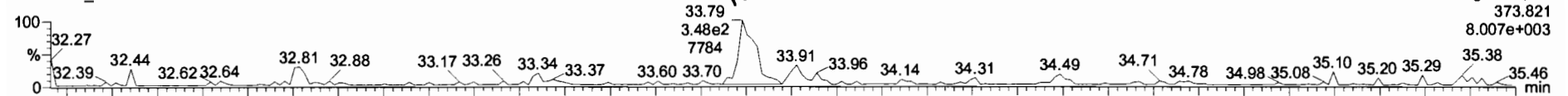
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

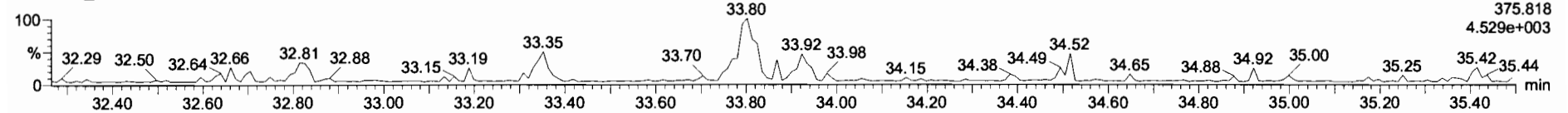
Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1,2,3,4,7,8-HxCDF

191218K1_6

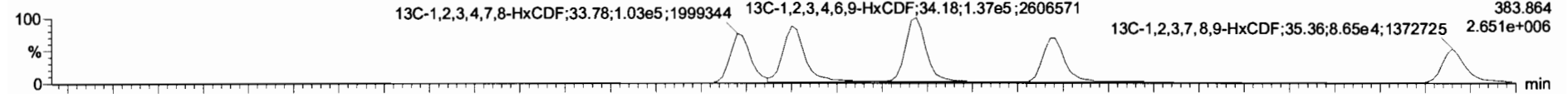


191218K1_6

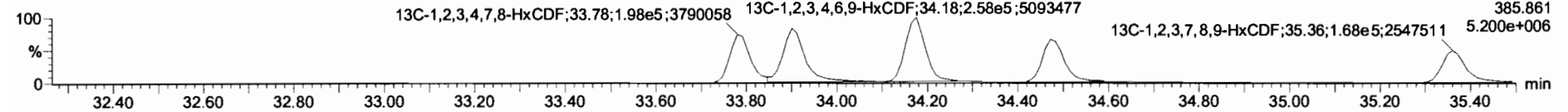


13C-1,2,3,4,7,8-HxCDF

191218K1_6

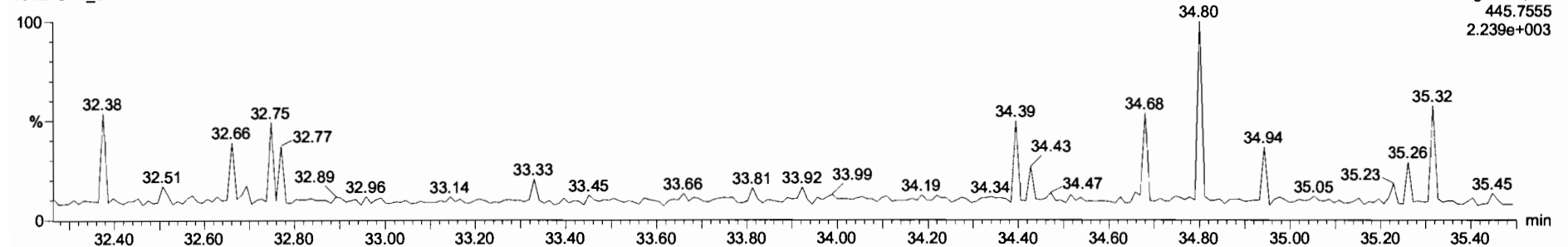


191218K1_6



DPE3

191218K1_6

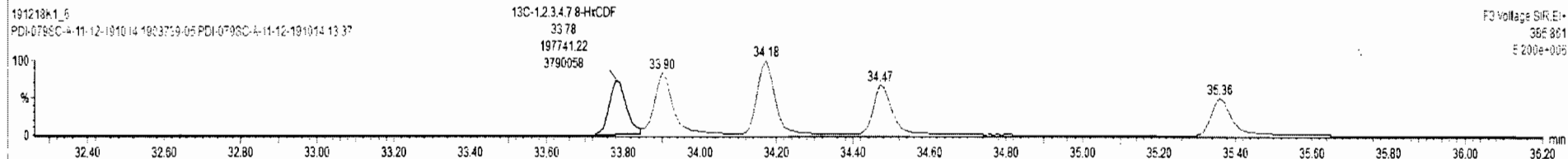
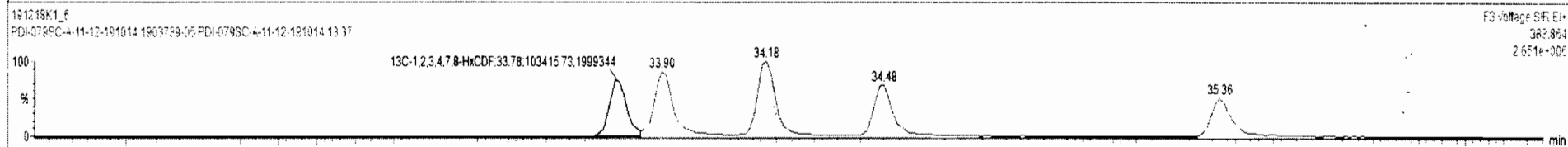
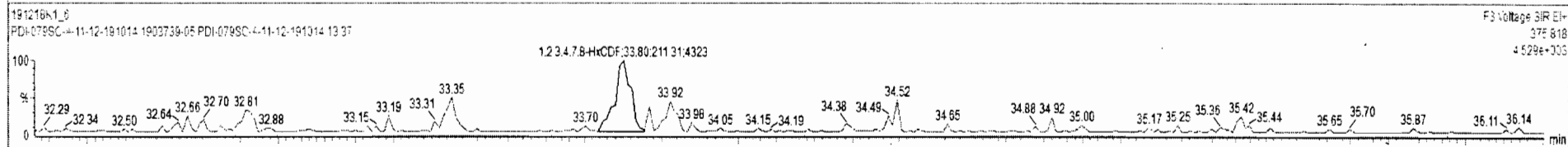
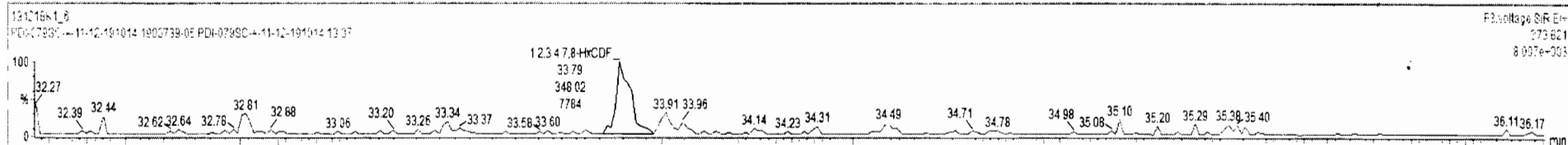




191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13 37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R...	RRT	RRT Tol	Conc	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	5.99e5	0.73	NO	1.0000	10.151	23.55	23.54	1.000	1.000	NO	197.0	100	0.570	
38	13C-1,2,3,4,6,9-HxCDF	3.95e5	0.52	NO	1.0000	10.151	34.16	34.17	1.000	1.000	NO	197.0	100	0.947	
39	Total Tetra-Dioxins				0.9249	10.151	24.62		0.000		NO			0.0898	
40	Total Penta-Dioxins				6.9046	10.151	29.96		0.000		NO			0.0469	
41	Total Hexa-Dioxins				0.9675	10.151	33.63		0.000		NO	0.2384		0.0750	0.2384
42	Total Hepta-Dioxins				1.0275	10.151	36.80		0.000		NO	0.9065		0.211	0.9065
43	Total Tetra-Furans				0.9376	10.151	23.61		0.000		NO	0.4780		0.101	0.4780
44	1st Func. Penta-Furans				0.9762	10.151	27.04		0.000		NO			0.0252	
45	Total Penta-Furans				0.9762	10.151	29.27		0.000		NO	0.0000		0.0336	0.1897
46	Total Hexa-Furans				1.1806	10.151	33.56		0.000		NO	0.0000		0.0347	0.2491
47	Total Hepta-Furans				1.1300	10.151	37.63		0.000		NO			0.0531	
48	PFK1														
49	PFK2														

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	n/y	EMPC	Conc
1	1,2,3,4,7,8-HxCDF	33.78	33.79	3.480e2	2.113e2	1.240	1.65	YES	0.24905	0.00000



Ready

191218K1_6

CAP NUM

Dataset: Untitled

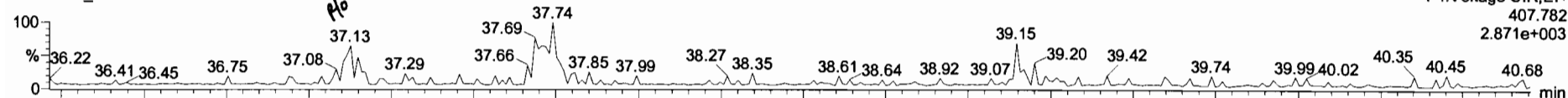
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

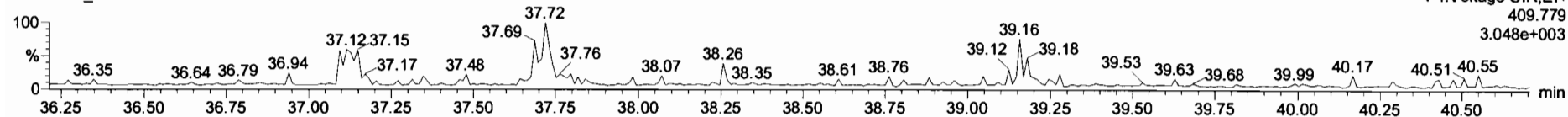
Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

1,2,3,4,6,7,8-HpCDF

191218K1_6

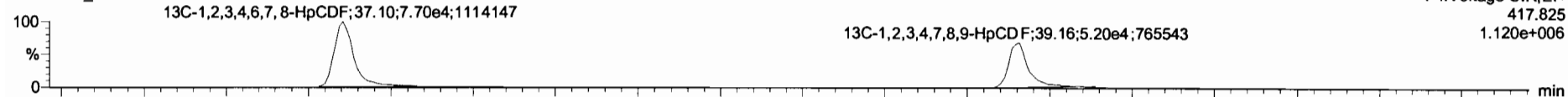


191218K1_6

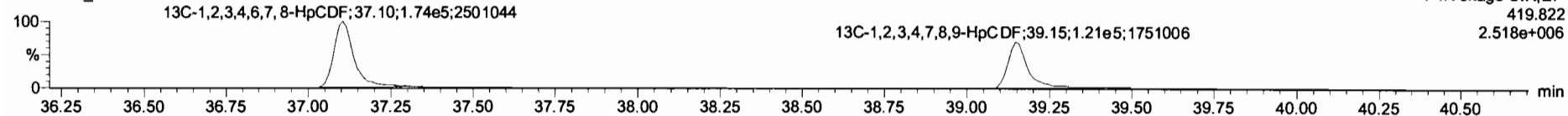


13C-1,2,3,4,6,7,8-HpCDF

191218K1_6

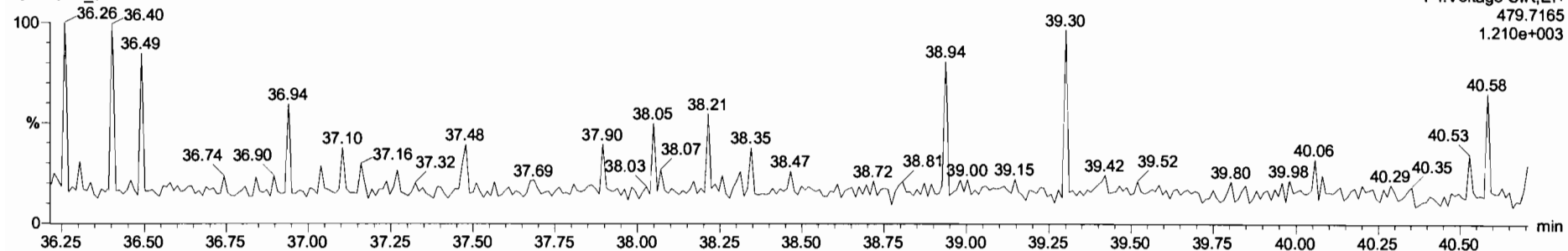


191218K1_6



DPE4

191218K1_6

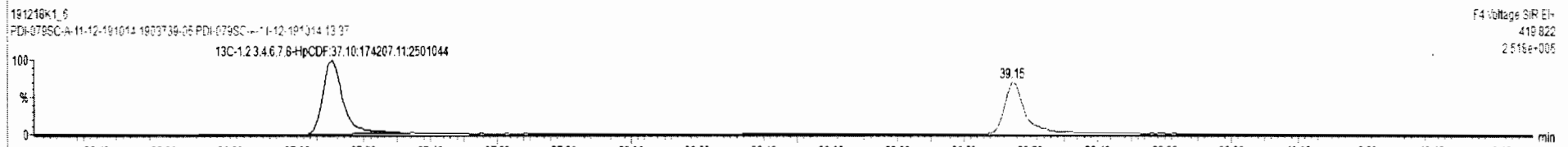
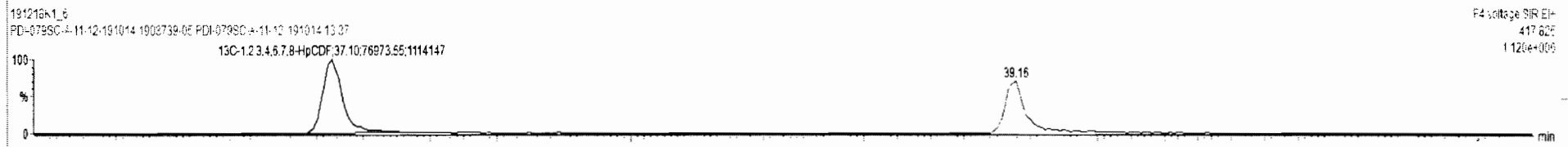
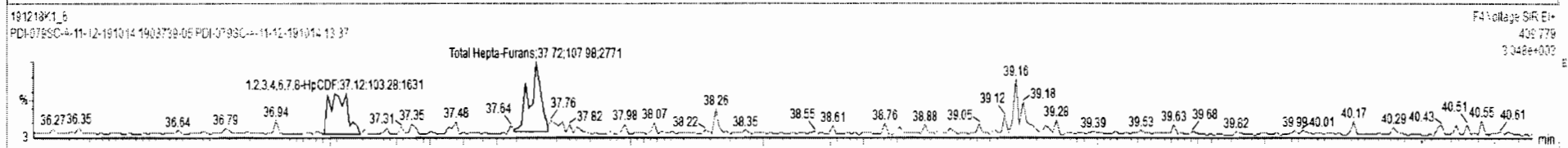
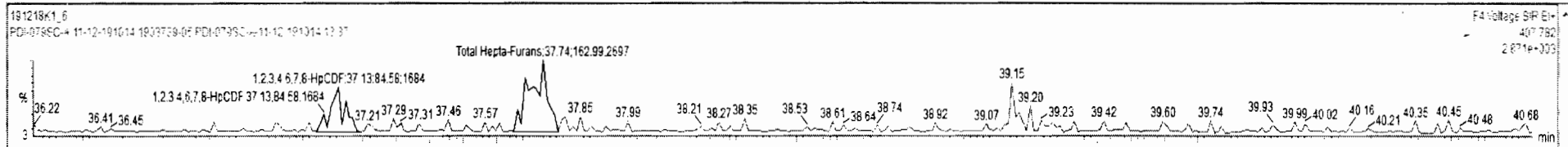




191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13:37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	nly	RRF	wVol	Pred.RT	RT	Pred.R..	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
37	13C-1,2,3,4-TCDF	5.98e5	0.73	NO	1.0000	10.151	23.55	23.54	1.000	1.000	NO	197.0	100	0.570	
38	12C-1,2,3,4,6,9-HxCDF	3.95e5	0.53	NO	1.0000	10.151	34.16	34.17	1.000	1.000	NO	197.0	100	0.947	
39	Total Tetra-Dioxins				0.9249	10.151	24.62		0.000		NO			0.0898	
40	Total Penta-Dioxins				0.9046	10.151	29.96		0.000		NO			0.0469	
41	Total Hexa-Dioxins				0.9675	10.151	33.63		0.000		NO	0.2384		0.0750	0.2384
42	Total Hepta-Dioxins				1.0375	10.151	38.80		0.000		NO	0.9055		0.211	0.9055
43	Total Tetra-Furans				0.9276	10.151	23.61		0.000		NO	0.4780		0.101	0.4780
44	1st Func. Penta-Furans				0.9762	10.151	27.04		0.000		NO			0.0252	
45	Total Penta-Furans				0.9762	10.151	29.27		0.000		NO	0.0600		0.0336	0.1897
46	Total Hexa-Furans				1.1896	10.151	33.58		0.000		NO	0.0000		0.0347	0.2451
47	Total Hepta-Furans				1.1300	10.151	37.83		0.000		NO	0.0000		0.0531	0.2962
48	PFK1														
49	PFK2														

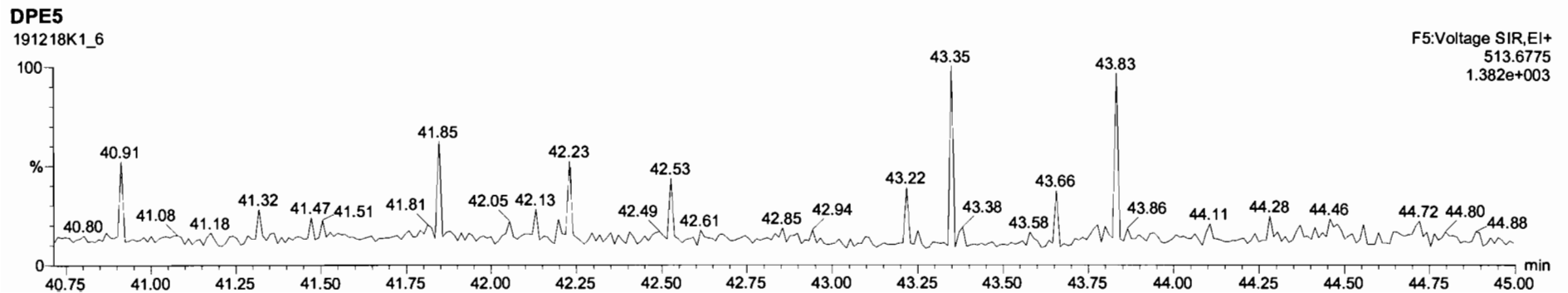
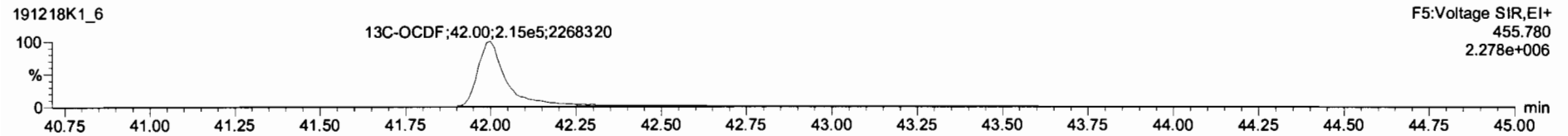
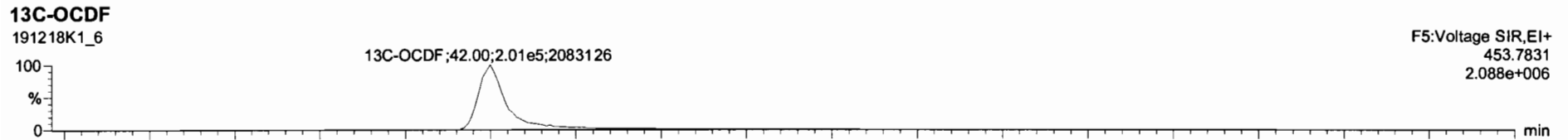
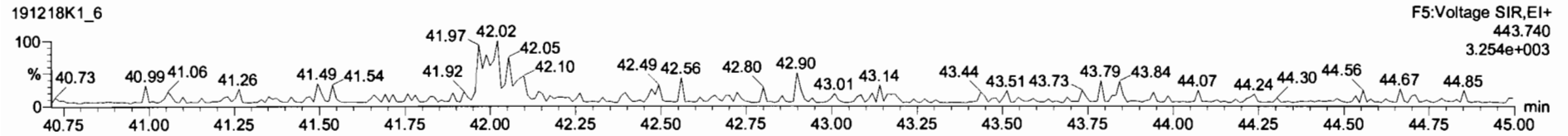
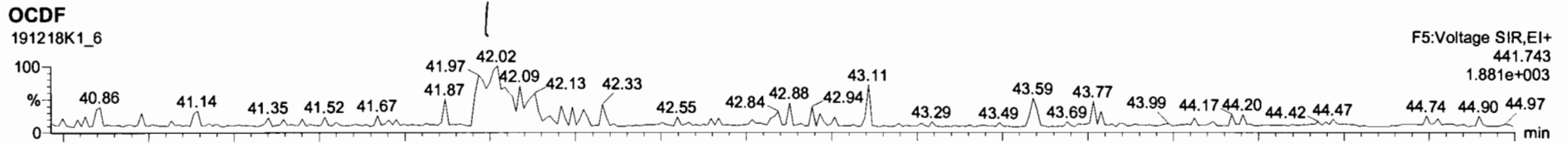
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.14	37.13	6.458e1	1.039e2	1.040	0.82	YES	0.11518	0.00000
2	Total Hepta-Furans	37.83	37.74	1.639e2	1.080e2	1.040	1.51	YES	0.18101	0.00000

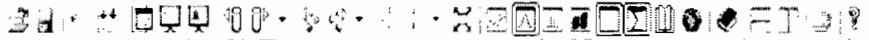


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

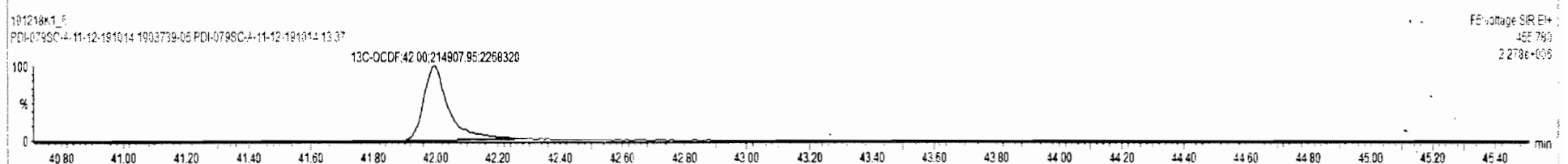
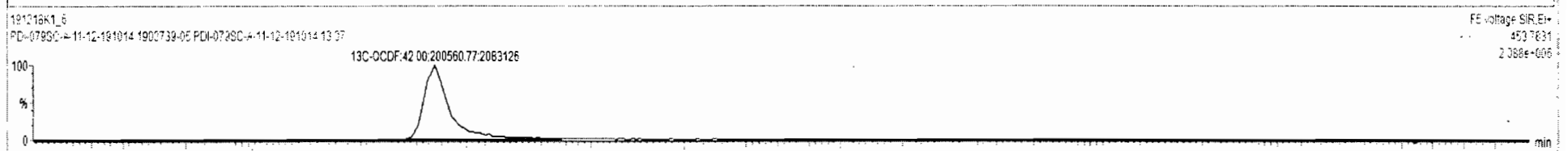
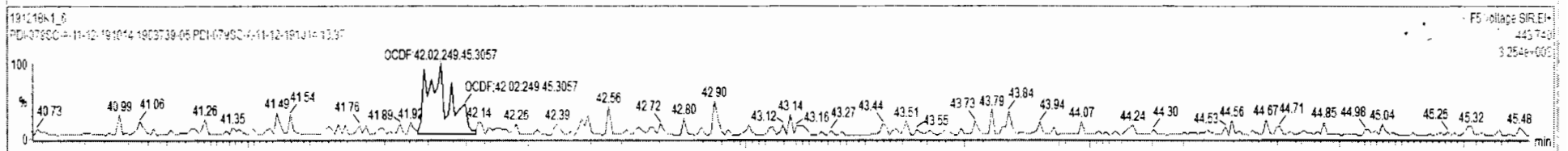
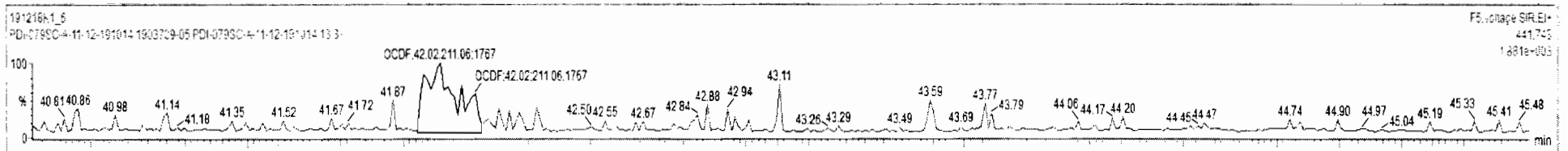




191218K1_6 - 1903739-05 PDI-079SC-A-11-12-191014 13:37 - PDI-079SC-A-11-12-191014

#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
10	2,2,4,7,8-PeCDF	2.37e2	1.96	YES	1.0046	10.151	31.02	30.99	1.001	1.000	NO	0.1352		0.0318	0.1145
11	1,2,3,4,7,8-HxCDF	5.59e2	1.65	YES	1.2434	10.151	33.78	33.79	1.000	1.000	NO	0.2943		0.0200	0.2491
12	1,2,3,6,7,8-HxCDF				1.0850	10.151	33.91		1.000		YES			0.0528	
13	2,3,4,6,7,8-HxCDF				1.1806	10.151	34.52		1.001		YES			0.0628	
14	1,2,3,7,8,9-HxCDF				1.0728	10.151	35.36		1.000		YES			0.0866	
15	1,2,3,4,6,7,8-HpCDF	1.88e2	0.82	YES	1.1300	10.151	37.14	37.13	1.001	1.001	NO	0.1304		0.0452	0.1152
16	1,2,3,4,7,8,9-HpCDF				1.2696	10.151	39.16		1.000		YES			0.129	
17	OCDF	4.61e2	0.85	NO	1.1925	10.151	42.00	42.02	1.000	1.001	NO	0.3962		0.183	0.3962
18	13C-2,3,7,8-TCDD	3.45e5	0.77	NO	1.0489	10.151	26.15	26.14	1.027	1.027	NO	174.6	88.6	0.596	
19	13C-1,2,3,7,8-PeCDD	2.41e5	0.82	NO	0.7429	10.151	31.29	31.29	1.230	1.229	NO	171.9	87.2	0.427	
20	13C-1,2,3,4,7,8-HxCDD	1.88e5	1.25	NO	0.6463	10.151	34.65	34.65	1.014	1.014	NO	144.8	73.5	0.896	
21	13C-1,2,3,6,7,8-HxCDD	2.60e5	1.30	NO	0.7767	10.151	34.75	34.76	1.017	1.017	NO	167.0	84.7	0.748	
22	13C-1,2,3,7,8,9-HxCDD	2.17e5	1.22	NO	0.6595	10.151	35.02	35.02	1.025	1.025	NO	164.0	83.2	0.881	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



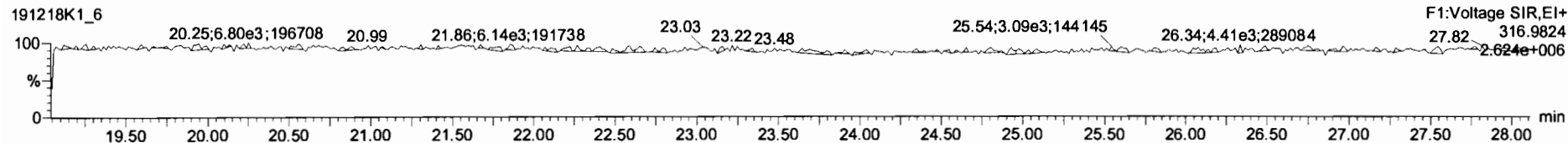
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

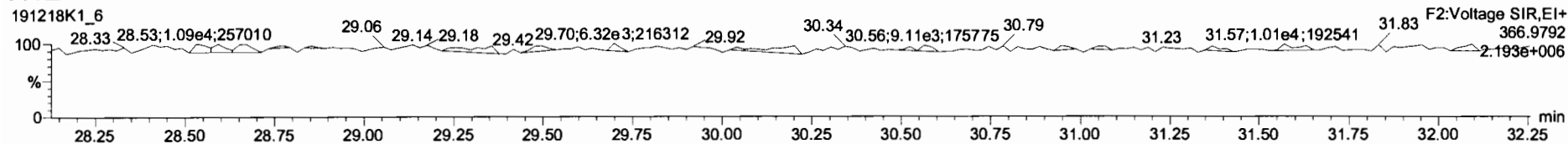
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_6, Date: 18-Dec-2019, Time: 21:34:05, ID: 1903739-05 PDI-079SC-A-11-12-191014 13.37, Description: PDI-079SC-A-11-12-191014

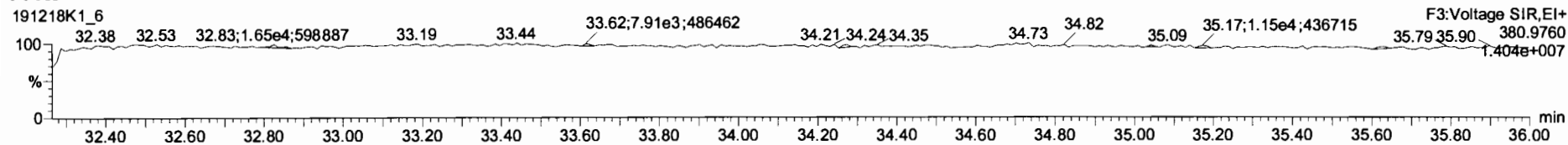
PFK1



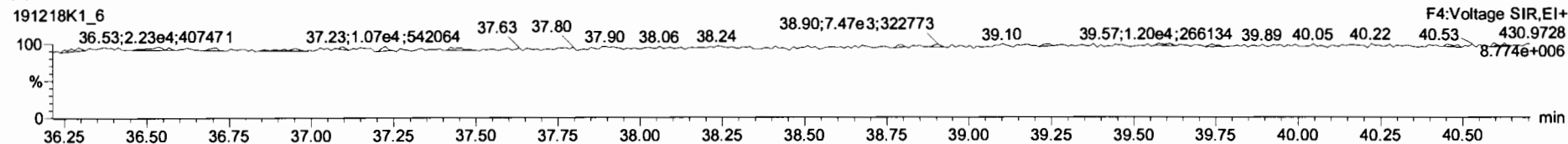
PFK2



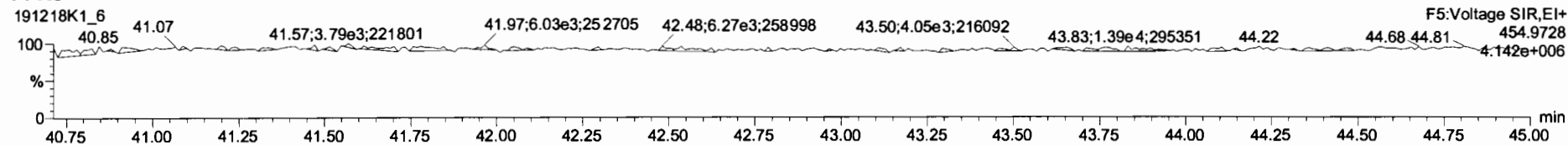
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\191218K1\191218K1-7.qld

Last Altered: Friday, December 20, 2019 10:23:23 Pacific Standard Time
Printed: Friday, December 20, 2019 10:24:13 Pacific Standard Time

EL 12/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

CT 12/20/19

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD				0.925	10.002	26.17		1.00		YES			0.159	
2	1,2,3,7,8-PeCDD				0.905	10.002	31.31		1.00		YES			0.114	
3	1,2,3,4,7,8-HxCDD				1.07	10.002	34.66		1.00		YES			0.165	
4	1,2,3,6,7,8-HxCDD				0.967	10.002	34.75		1.00		YES			0.157	
5	1,2,3,7,8,9-HxCDD				0.978	10.002	35.06		1.00		YES			0.204	
6	1,2,3,4,6,7,8-HpCDD	1369.916	1.131	NO	1.04	10.002	38.54	38.56	1.00	1.00	NO	1.348		0.395	1.348
7	OCDD	11728.803	0.850	NO	0.972	10.002	41.80	41.82	1.00	1.00	NO	12.75		0.466	12.75
8	2,3,7,8-TCDF				0.938	10.002	25.18		1.00		YES			0.115	
9	1,2,3,7,8-PeCDF	2469.615	1.480	NO	0.976	10.002	30.00	29.98	1.00	1.00	NO	1.110		0.0834	1.110
10	2,3,4,7,8-PeCDF	1186.135	1.341	NO	1.00	10.002	31.00	30.99	1.00	1.00	NO	0.5201		0.0853	0.5201
11	1,2,3,4,7,8-HxCDF	2158.583	1.180	NO	1.24	10.002	33.78	33.79	1.00	1.00	NO	1.112		0.0923	1.112
12	1,2,3,6,7,8-HxCDF				1.10	10.002	33.91		1.00		YES			0.0924	
13	2,3,4,6,7,8-HxCDF				1.18	10.002	34.51		1.00		YES			0.0983	
14	1,2,3,7,8,9-HxCDF				1.07	10.002	35.36		1.00		YES			0.141	
15	1,2,3,4,6,7,8-HpCDF	797.641	0.834	YES	1.13	10.002	37.13	37.12	1.00	1.00	NO	0.429		0.125	0.3952
16	1,2,3,4,7,8,9-HpCDF	144.402	1.044	NO	1.26	10.002	39.15	39.16	1.00	1.00	NO	0.1142		0.164	0.1142
17	OCDF	795.580	0.815	NO	1.10	10.002	41.99	42.02	1.00	1.00	NO	0.5378		0.174	0.5378
18	13C-2,3,7,8-TCDD	358786.079	0.774	NO	1.05	10.002	26.13	26.14	1.03	1.03	NO	163.8	81.9	0.475	
19	13C-1,2,3,7,8-PeCDD	312986.015	0.616	NO	0.743	10.002	31.27	31.29	1.23	1.23	NO	201.7	101	0.358	
20	13C-1,2,3,4,7,8-HxCDD	223406.812	1.302	NO	0.646	10.002	34.64	34.65	1.01	1.01	NO	156.8	78.4	0.799	
21	13C-1,2,3,6,7,8-HxCDD	313438.579	1.238	NO	0.777	10.002	34.73	34.75	1.02	1.02	NO	183.0	91.5	0.665	
22	13C-1,2,3,7,8,9-HxCDD	242658.813	1.290	NO	0.659	10.002	35.01	35.02	1.02	1.03	NO	166.9	83.5	0.783	
23	13C-1,2,3,4,6,7,8-HpCDD	195881.344	1.094	NO	0.534	10.002	38.51	38.53	1.13	1.13	NO	166.3	83.2	1.11	
24	13C-OCDD	378614.751	0.900	NO	0.470	10.002	41.79	41.80	1.22	1.22	NO	365.1	91.3	1.79	
25	13C-2,3,7,8-TCDF	480728.532	0.732	NO	0.977	10.002	25.14	25.16	0.99	0.99	NO	139.9	70.0	0.507	
26	13C-1,2,3,7,8-PeCDF	455611.672	1.421	NO	0.778	10.002	29.96	29.98	1.18	1.18	NO	166.6	83.3	0.845	
27	13C-2,3,4,7,8-PeCDF	453811.187	1.557	NO	0.750	10.002	30.95	30.97	1.22	1.22	NO	172.1	86.1	0.877	
28	13C-1,2,3,4,7,8-HxCDF	312225.735	0.521	NO	0.845	10.002	33.77	33.78	0.99	0.99	NO	167.6	83.8	1.34	
29	13C-1,2,3,6,7,8-HxCDF	404053.782	0.509	NO	1.03	10.002	33.89	33.90	0.99	0.99	NO	178.5	89.3	1.11	
30	13C-2,3,4,6,7,8-HxCDF	362280.812	0.532	NO	0.893	10.002	34.46	34.47	1.01	1.01	NO	184.0	92.0	1.27	

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-7.qld

Last Altered: Friday, December 20, 2019 10:23:23 Pacific Standard Time

Printed: Friday, December 20, 2019 10:24:13 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

#	Name	Abs.Resp	RA	n/y	RRF	wt./vol.	Pred.RT	RT	Pred.RRT	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	13C-1,2,3,7,8,9-HxCDF	313155.391	0.533	NO	0.734	10.002	35.37	35.36	1.04	1.04	NO	193.4	96.7	1.55	
32	13C-1,2,3,4,6,7,8-HpCDF	318672.687	0.451	NO	0.754	10.002	37.08	37.09	1.09	1.09	NO	191.6	95.8	0.989	
33	13C-1,2,3,4,7,8,9-HpCDF	200517.801	0.420	NO	0.539	10.002	39.11	39.15	1.14	1.15	NO	168.7	84.4	1.38	
34	13C-OCDF	536544.016	0.930	NO	0.593	10.002	41.97	41.99	1.23	1.23	NO	410.7	103	1.49	
35	37Cl-2,3,7,8-TCDD	139057.141			1.07	10.002	26.15	26.17	1.03	1.03	NO	62.26	77.8	0.0943	
36	13C-1,2,3,4-TCDD	417601.969	0.811	NO	1.00	10.002	25.45	25.43	1.00	1.00	NO	200.0	100	0.498	
37	13C-1,2,3,4-TCDF	702897.906	0.731	NO	1.00	10.002	23.55	23.55	1.00	1.00	NO	200.0	100	0.496	
38	13C-1,2,3,4,6,9-HxCDF	440870.360	0.518	NO	1.00	10.002	34.16	34.16	1.00	1.00	NO	200.0	100	1.14	
39	Total Tetra-Dioxins				0.925	10.002	24.62		0.00		NO			0.103	
40	Total Penta-Dioxins				0.905	10.002	29.96		0.00		NO			0.0441	
41	Total Hexa-Dioxins				0.967	10.002	33.63		0.00		NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.04	10.002	38.80		0.00		NO	3.435		0.395	3.435
43	Total Tetra-Furans				0.938	10.002	23.61		0.00		NO	0.3948		0.115	0.3948
44	1st Func. Penta-Furans				0.976	10.002	27.04		0.00		NO			0.0117	
45	Total Penta-Furans				0.976	10.002	29.27		0.00		NO	1.630		0.0856	1.985
46	Total Hexa-Furans				1.18	10.002	33.56		0.00		NO	1.286		0.101	1.444
47	Total Hepta-Furans				1.13	10.002	37.83		0.00		NO	0.5269		0.141	0.9221

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-7.qld

Last Altered: Friday, December 20, 2019 10:23:23 Pacific Standard Time

Printed: Friday, December 20, 2019 10:25:36 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\ldb5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

Tetra-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Penta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1									

Hexa-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
41	Total Hexa-Dioxins	7.30e2	0.00e0	1.240	NO	33.63	33.19	0.5810	0.5810

Hepta-Dioxins

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.37e3	1.96e5	1.131	NO	38.54	38.56	1.348	1.348
42	Total Hepta-Dioxins	2.12e3	1.96e5	0.950	NO	38.80	37.49	2.087	2.087

Tetra-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
43	Total Tetra-Furans	8.90e2	4.81e5	0.750	NO	23.61	20.86	0.3948	0.3948

Penta-Furans function 1

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-7.qld

Last Altered: Friday, December 20, 2019 10:23:23 Pacific Standard Time
 Printed: Friday, December 20, 2019 10:25:36 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

Penta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	10 2,3,4,7,8-PeCDF	1.19e3	4.54e5	1.341	NO	31.00	30.99	0.5201	0.5201
2	9 1,2,3,7,8-PeCDF	2.47e3	4.56e5	1.480	NO	30.00	29.98	1.110	1.110
3	45 Total Penta-Furans	0.00e0	0.00e0	1.912	YES	29.27	28.99	0.0000	0.3550

Hexa-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	11 1,2,3,4,7,8-HxCDF	2.16e3	3.12e5	1.180	NO	33.78	33.79	1.112	1.112
2	46 Total Hexa-Furans	0.00e0	0.00e0	0.931	YES	33.56	32.81	0.0000	0.1577
3	46 Total Hexa-Furans	3.58e2	0.00e0	1.164	NO	33.56	33.33	0.1741	0.1741

Hepta-Furans

#	Name	Area	IS Area	RA	Y/N	Pred.RT	RT	Conc.	EMPC
1	47 Total Hepta-Furans	6.05e2	0.00e0	0.962	NO	37.83	37.70	0.4127	0.4127
2	15 1,2,3,4,6,7,8-HpCDF	7.98e2	3.19e5	0.834	YES	37.13	37.12	0.0000	0.3952
3	16 1,2,3,4,7,8,9-HpCDF	1.44e2	2.01e5	1.044	NO	39.15	39.16	0.1142	0.1142

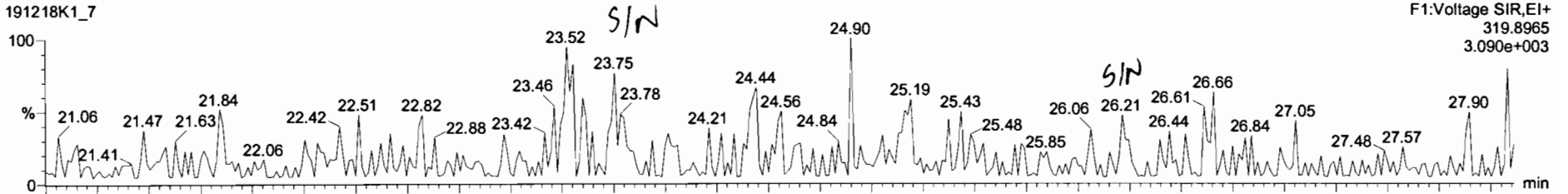
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

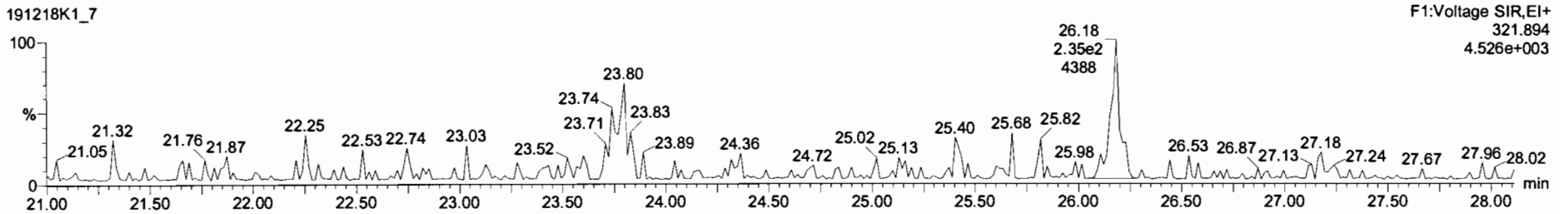
2,3,7,8-TCDD

191218K1_7



F1:Voltage SIR,EI+
319.8965
3.090e+003

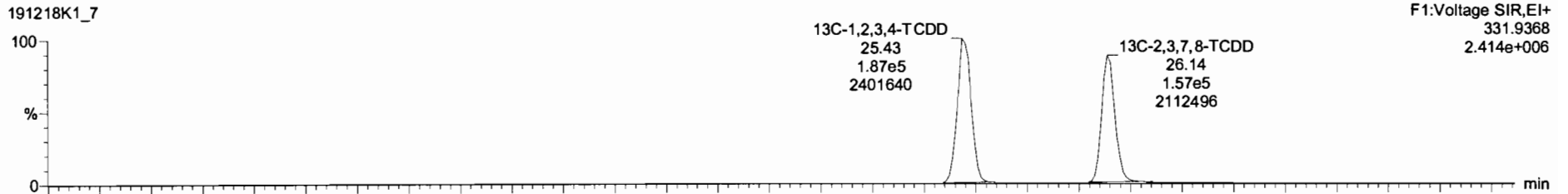
191218K1_7



F1:Voltage SIR,EI+
321.894
4.526e+003

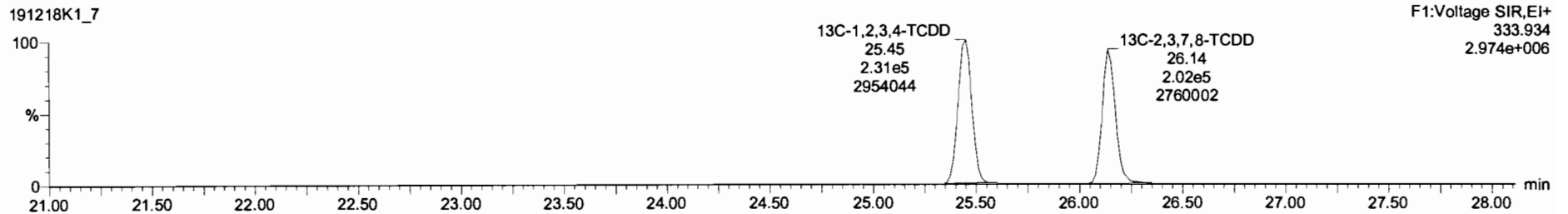
13C-2,3,7,8-TCDD

191218K1_7



F1:Voltage SIR,EI+
331.9368
2.414e+006

191218K1_7



F1:Voltage SIR,EI+
333.934
2.974e+006

Dataset: Untitled

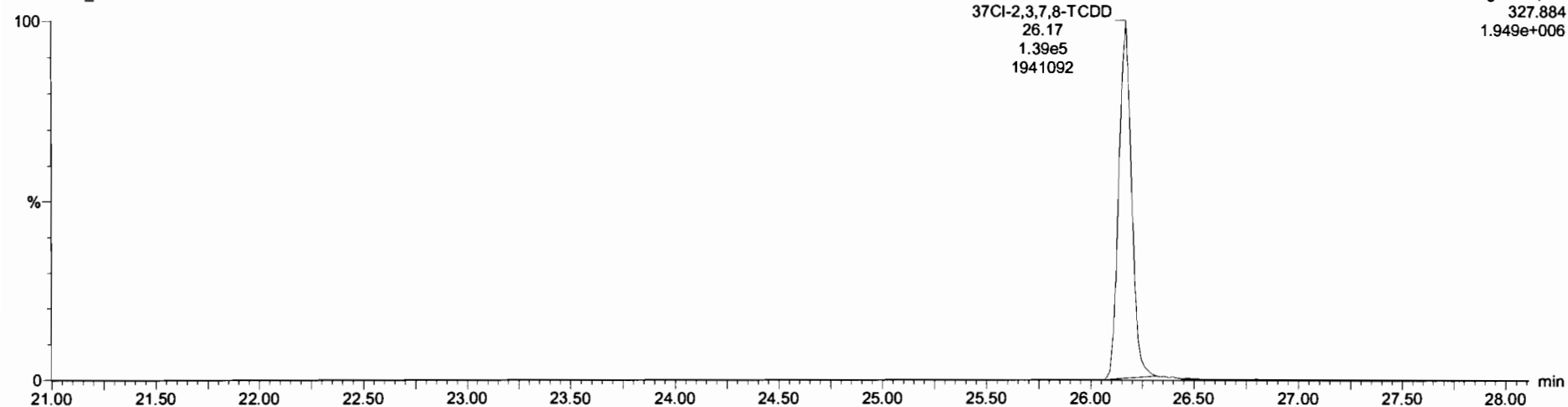
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

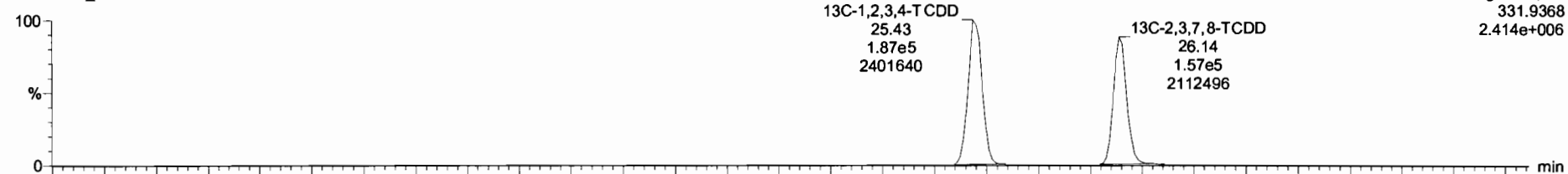
37Cl-2,3,7,8-TCDD

191218K1_7

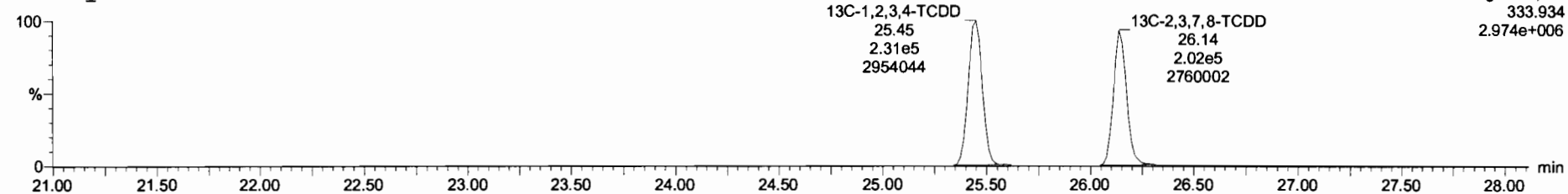


13C-1,2,3,4-TCDD

191218K1_7



191218K1_7



Dataset: Untitled

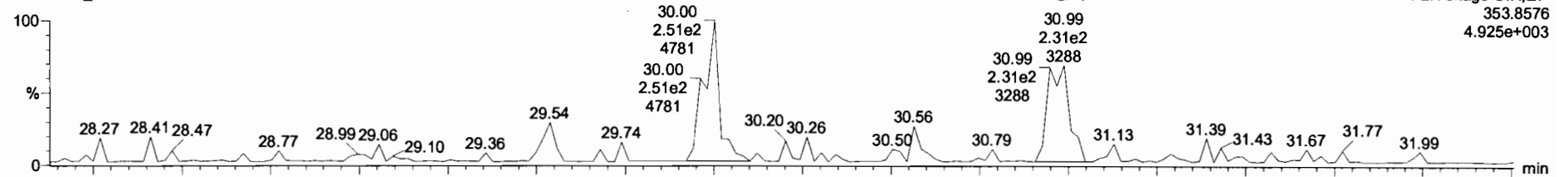
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

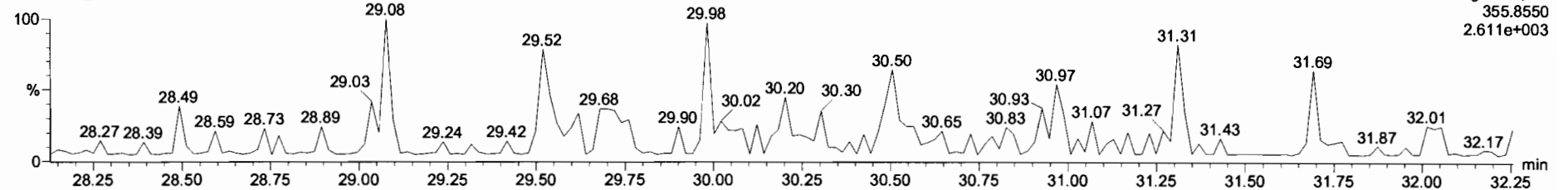
Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

1,2,3,7,8-PeCDD

191218K1_7

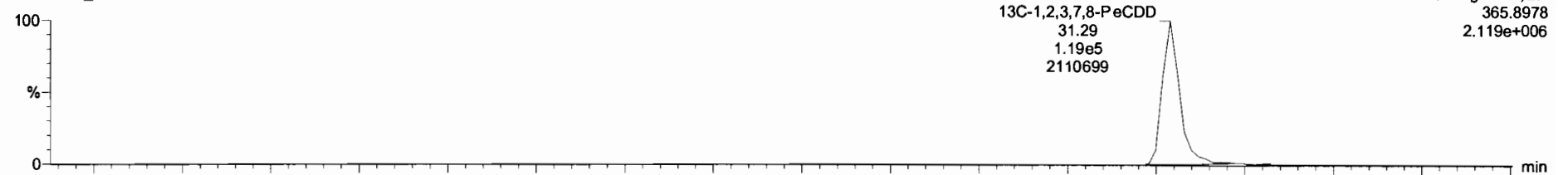


191218K1_7

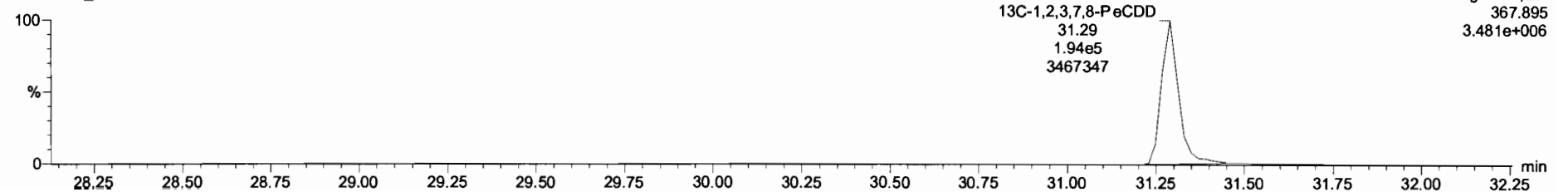


13C-1,2,3,7,8-PeCDD

191218K1_7



191218K1_7



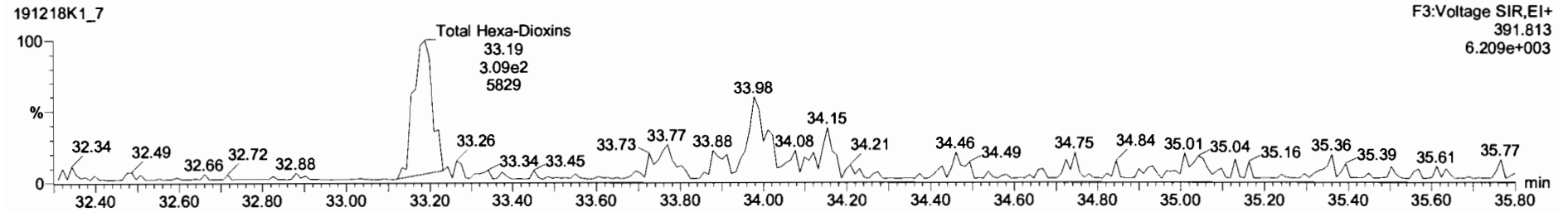
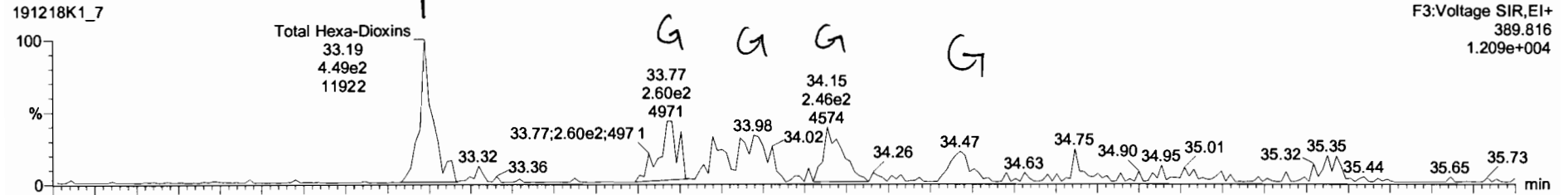
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

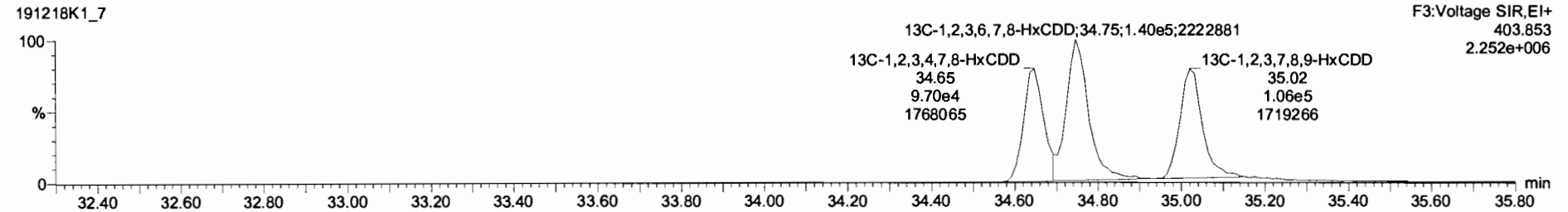
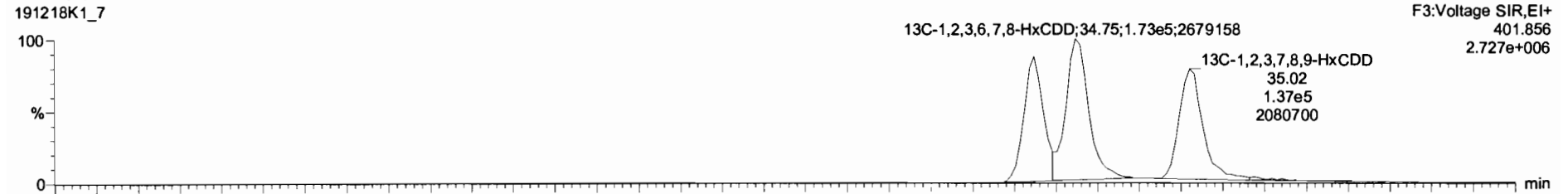
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

1,2,3,4,7,8-HxCDD



13C-1,2,3,4,7,8-HxCDD

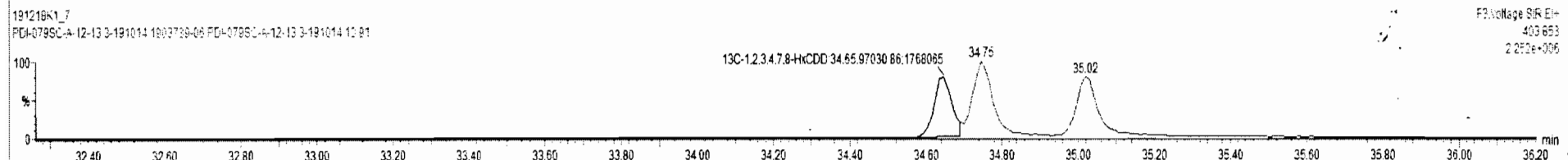
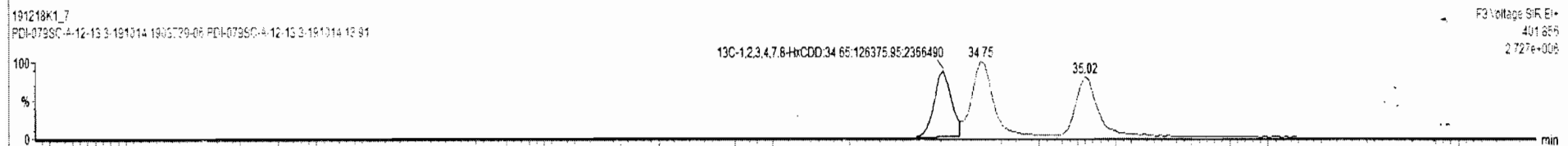
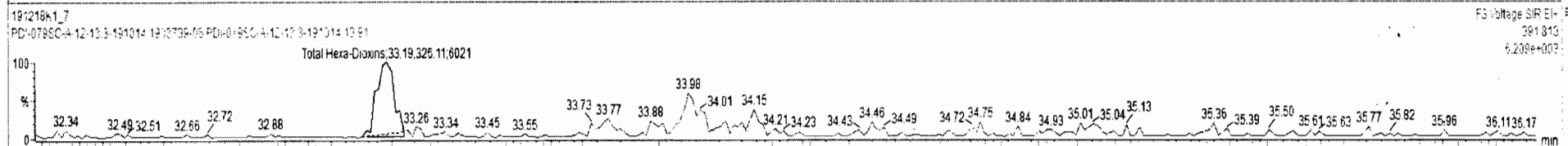
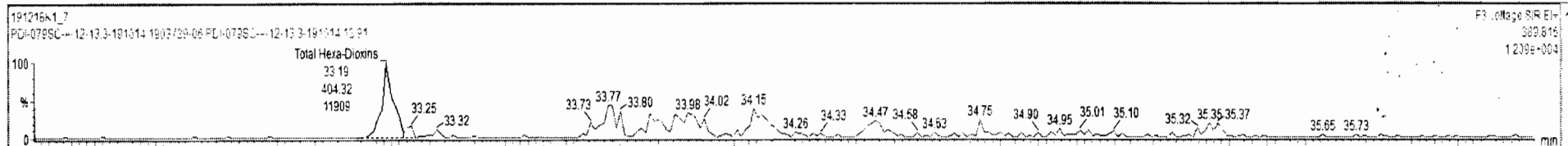




191218K1_7 - 1903739-06 PDI-079SC-A-12-13 3-191014 13.91 - PDI-079SC-A-12-13 3-191014

#	Name	Resp	RA	nly	RRF	wtdval	Pred.RT	RT	Pred.R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
34	13C-OCDF	5.37e5	0.93	NO	0.5925	10.002	41.97	41.99	1.229	1.229	NO	410.7	102		1.49
35	37Cl-2,3,7,8-TCDD	1.39e5			1.0695	10.002	26.15	26.17	1.028	1.029	NO	62.25	77.8	0.0943	
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100	0.498	
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100	0.456	
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100	1.14	
39	Total Tetra-Dioxins				0.9249	10.002	24.82		0.000		NO				0.102
40	Total Penta-Dioxins				0.9046	10.002	29.96		0.000		NO				0.0441
41	Total Hexa-Dioxins				0.9675	10.002	33.03		0.000		NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.00		0.000		NO	3.418		0.395	3.418
43	Total Tetra-Furans				0.9276	10.002	23.81		0.000		NO	0.3658		0.115	0.3958
44	1st Func. Penta-Furans				0.9762	10.002	27.04		0.000		NO			0.0117	
45	Total Penta-Furans				0.9762	10.002	29.27		0.000		NO	1.683		0.0856	2.054
46	Total Hexa-Furans				1.1606	10.002	33.56		0.000		NO	1.112		0.101	1.112

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	41 Total Hexa-Dioxins	33.63	33.19	4.043e2	3.261e2	1.240	1.24	NO	0.58100	0.58100



Dataset: Untitled

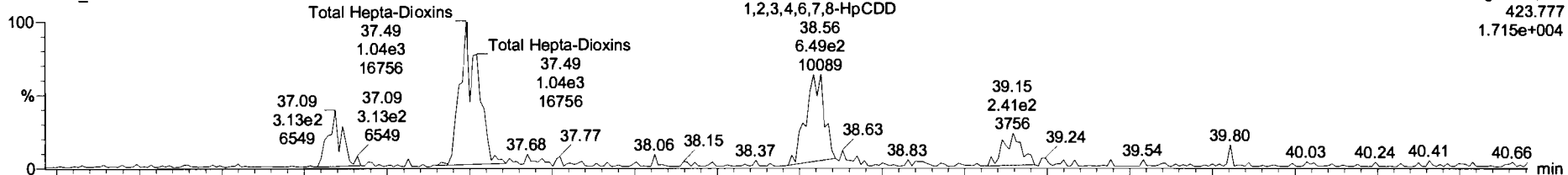
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

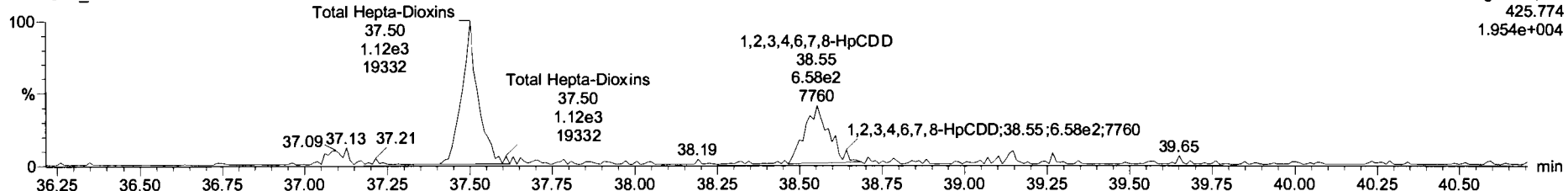
Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

1,2,3,4,6,7,8-HpCDD

191218K1_7

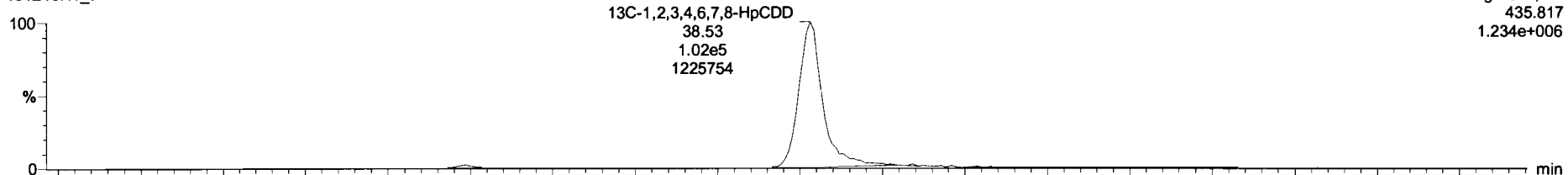


191218K1_7

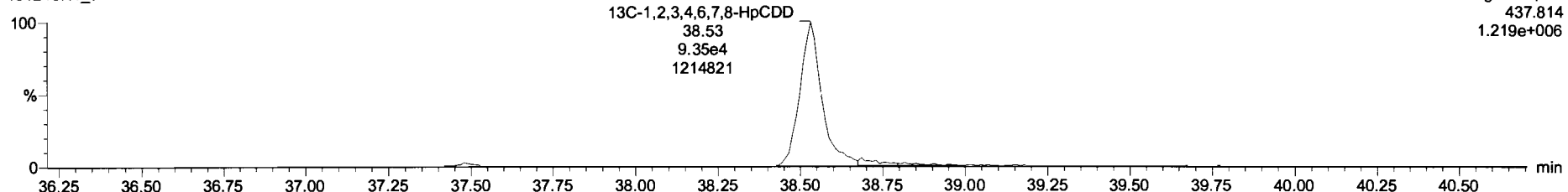


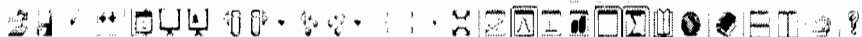
13C-1,2,3,4,6,7,8-HpCDD

191218K1_7



191218K1_7

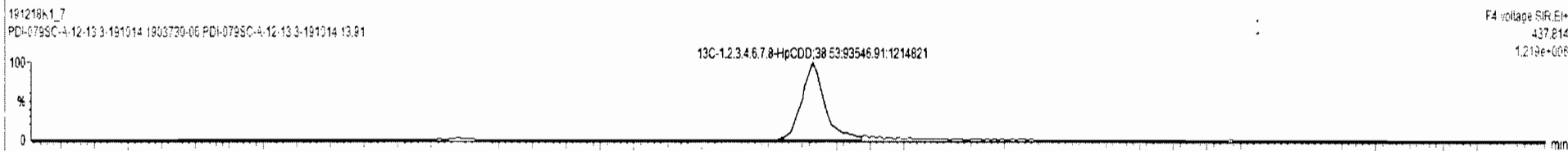
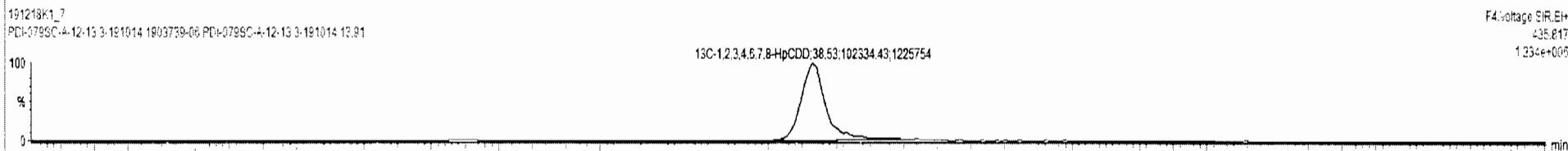
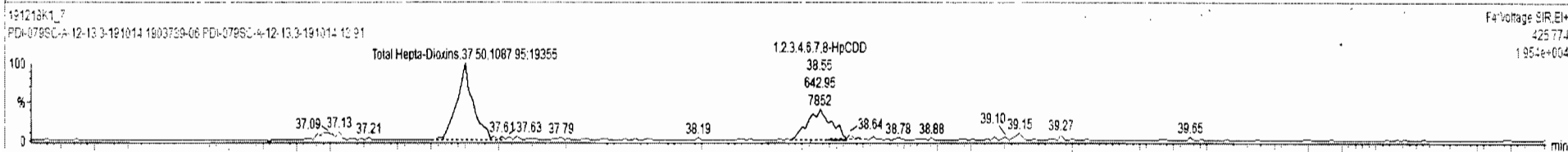
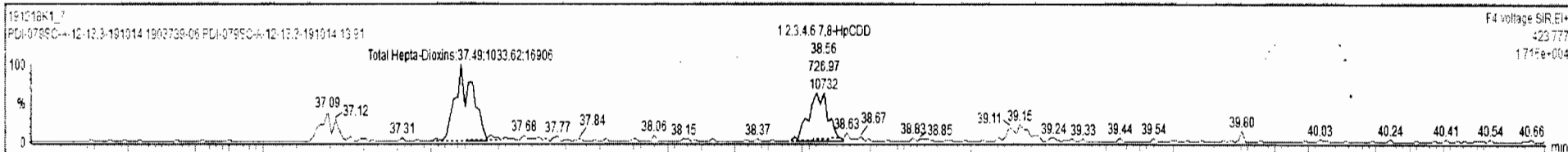




191218K1_7 - 1903739-06 PDI-079SC-A-12-13 3-191014 13-91 - PDI-079SC-A-12-13 3-191014

#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fcld	Conc.	%Rec	DL	EMPC
34	13C-OCDF	5.37e5	0.93	NO	0.592E	10.002	41.97	41.99	1.229	1.229	NO	410.7	102	1.48	
35	2,3,7,8-TCDF	1.39e5			1.069E	10.002	26.15	26.17	1.028	1.029	NO	62.26	77.8	0.0943	
36	13C-1,2,3,4-TCDF	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100	0.498	
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100	0.496	
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100	1.14	
39	Total Tetra-Dioxins				0.9249	10.002	24.62		0.000		NO			0.103	
40	Total Penta-Dioxins				0.904E	10.002	29.96		0.000		NO			0.0441	
41	Total Hexa-Dioxins				0.967E	10.002	33.63		0.000		NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.80		0.000		NO	3.435		0.385	3.435
43	Total Tetra-Furans				0.927E	10.002	23.61		0.000		NO	0.2958		0.115	0.2958
44	1st Func. Penta-Furans				0.9762	10.002	27.04		0.000		NO			0.0117	
45	Total Penta-Furans				0.9762	10.002	29.27		0.000		NO	1.663		0.0856	2.054
46	Total Hexa-Furans				1.189E	10.002	33.56		0.000		NO	1.112		0.101	1.112

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDD	38.54	38.56	7.270e2	6.429e2	1.040	1.13	NO	1.3476	1.3479
2	Total Hepta-Dioxins	38.80	37.49	1.034e3	1.088e3	1.040	0.95	NO	2.0874	2.0874

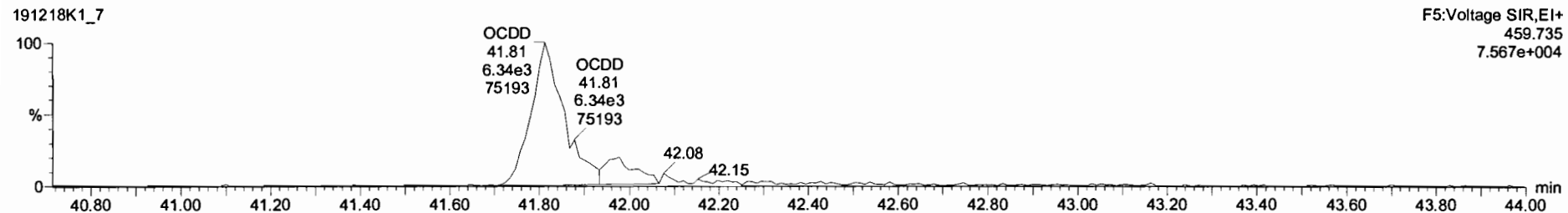
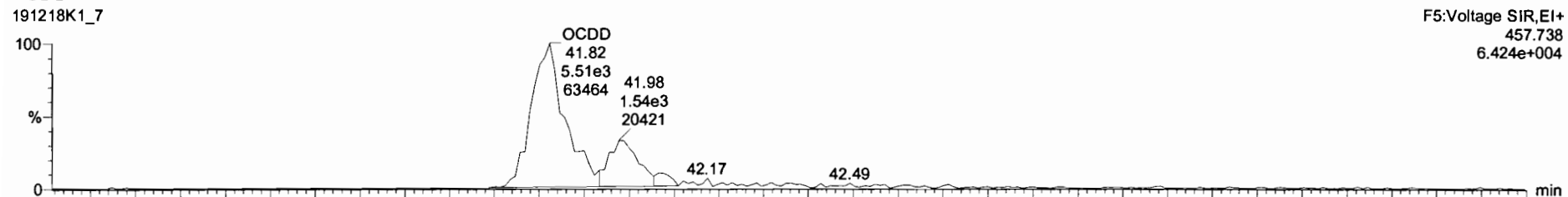


Dataset: Untitled

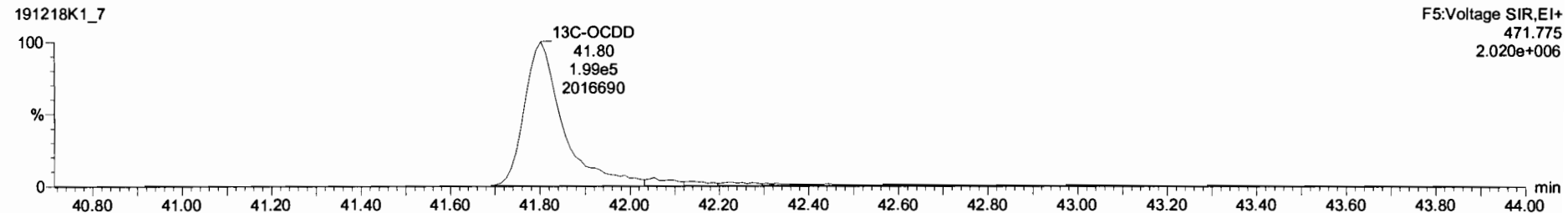
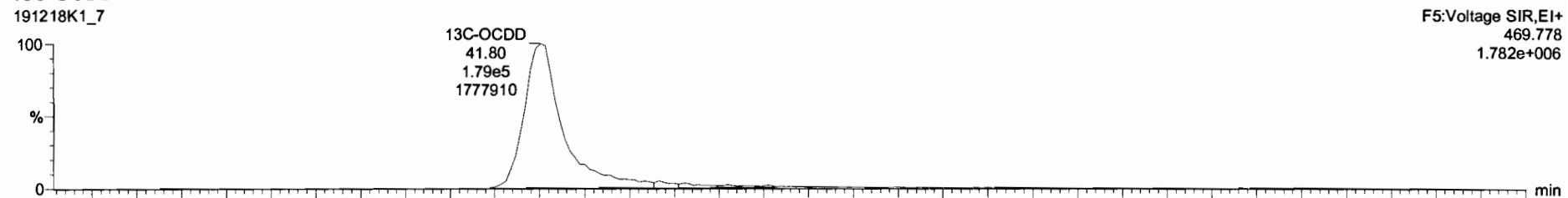
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

OCDD



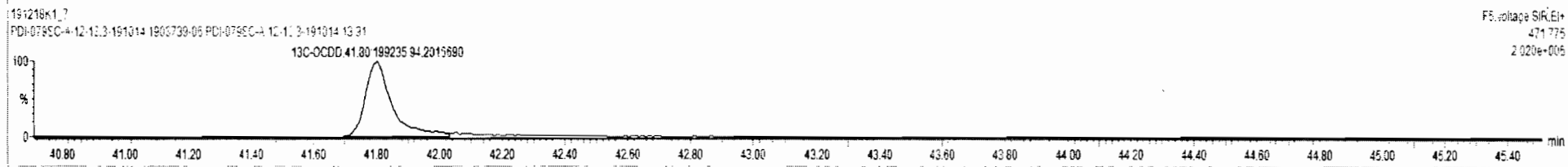
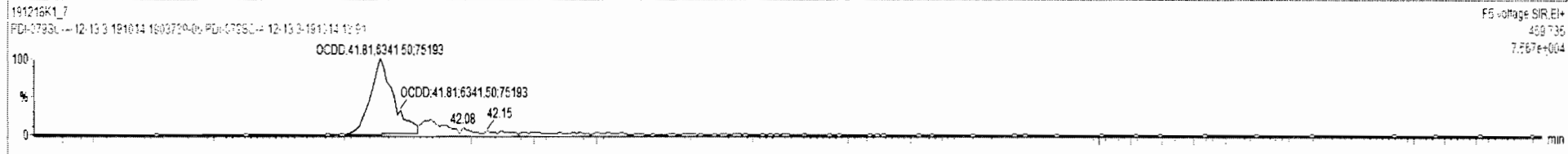
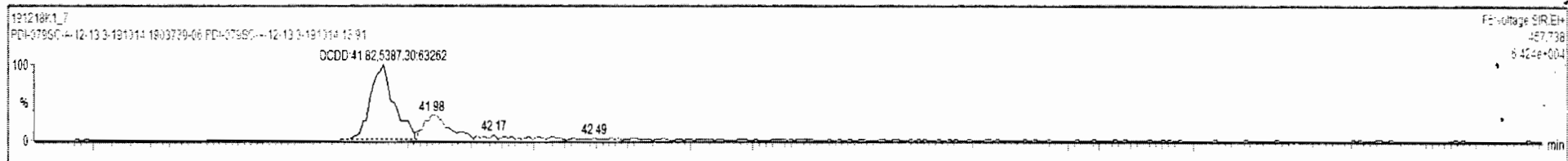
13C-OCDD



191218K1_7 - 1903739-06 PDI-079SC-A-12-13-3-191014 13:91 - PDI-079SC-A-12-13-3-191014

#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
1	1,2,3,7,8-TCDF				0.9249	10.002	26.17		1.001		YES			0.119	
2	1,2,3,7,8-PeCDD				0.9046	10.002	31.31		1.001		YES			0.114	
3	1,2,3,4,7,8-HxCDD				1.0691	10.002	34.66		1.000		YES			0.165	
4	1,2,3,6,7,8-HxCDD				0.9675	10.002	34.75		1.000		YES			0.157	
5	1,2,3,7,8,9-HxCDD				0.9776	10.002	35.06		1.001		YES			0.204	
6	1,2,3,4,6,7,8-HpCDD	1.3762	1.13	NO	1.0075	10.002	38.54	38.56	1.000	1.001	NO	1.348		0.295	1.348
7	OCDD	1.1764	0.85	NO	0.9718	10.002	41.80	41.82	1.000	1.001	NO	12.75		0.466	12.75
8	2,3,7,8-TCDF				0.9376	10.002	25.16		1.001		YES			0.115	
9	1,2,3,7,8-PeCDF	2.55e3	1.48	NO	0.9762	10.002	30.00	29.96	1.001	1.000	NO	1.145		0.0834	1.145
10	1,2,3,4,7,8-PeCDF	1.23e3	1.58	NO	1.0049	10.002	31.00	30.99	1.001	1.001	NO	0.5378		0.0853	0.5378
11	1,2,3,4,7,8-HxCDF	2.16e3	1.18	NO	1.2434	10.002	33.78	33.79	1.000	1.000	NO	1.112		0.0923	1.112
12	1,2,3,6,7,8-HxCDF				1.0950	10.002	33.91		1.000		YES			0.0924	
13	2,3,4,6,7,8-HxCDF				1.1806	10.002	34.51		1.001		YES			0.0933	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1										



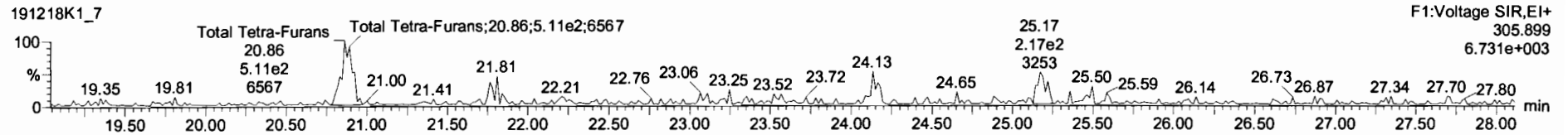
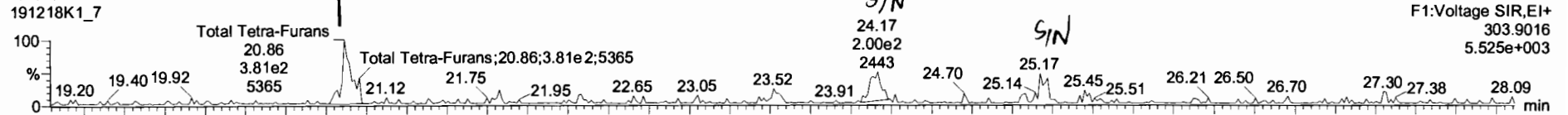
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

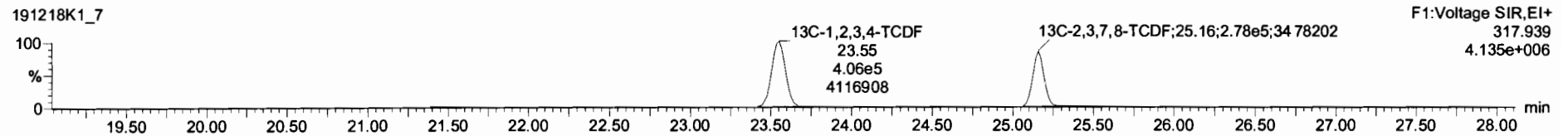
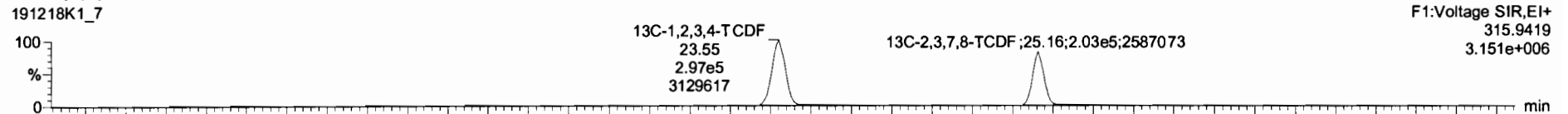
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

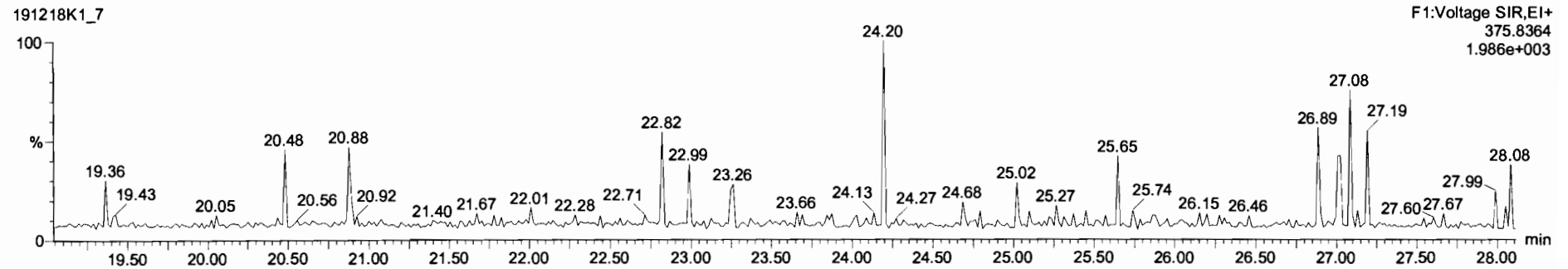
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1

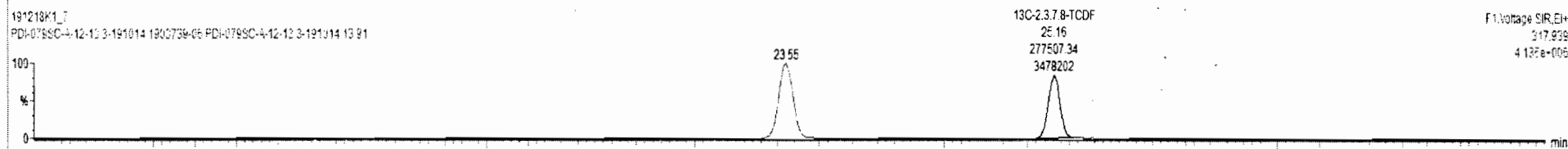
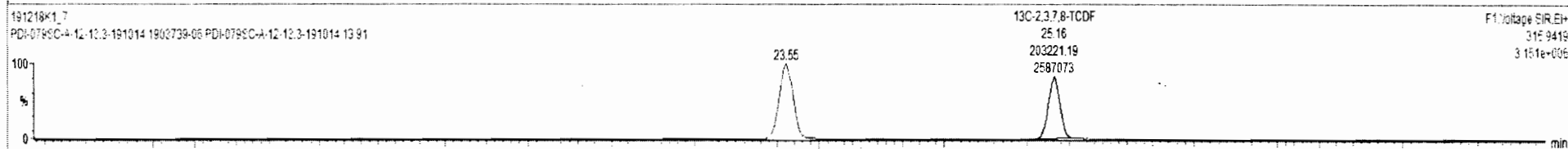
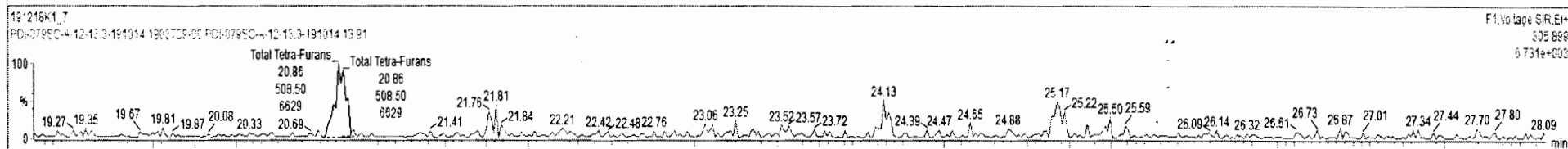
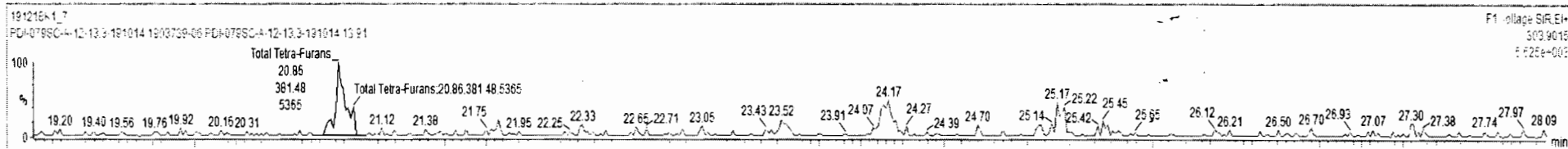




191218K1_7 - 1903739-06 PDI-079SC-A-12-13-191014 13 91 - PDI-079SC-A-12-13-191014

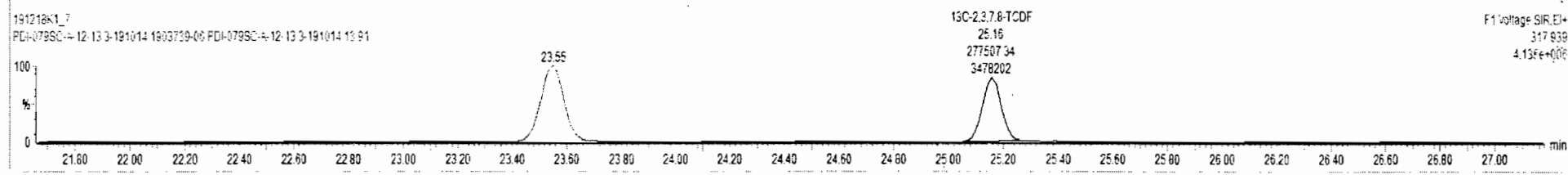
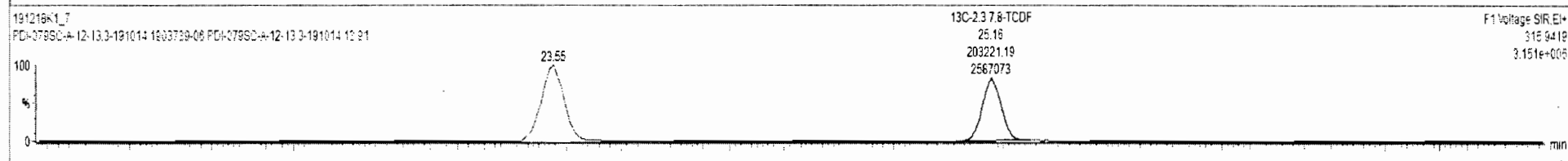
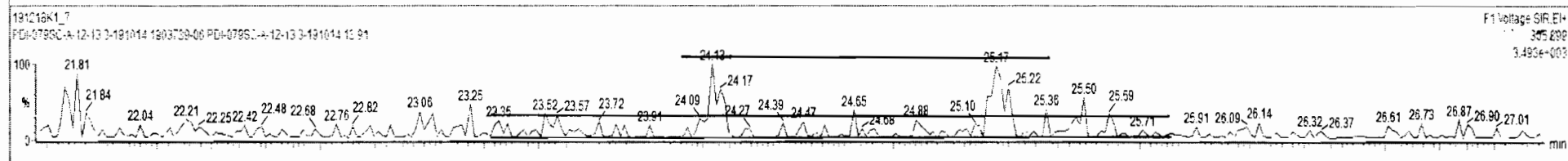
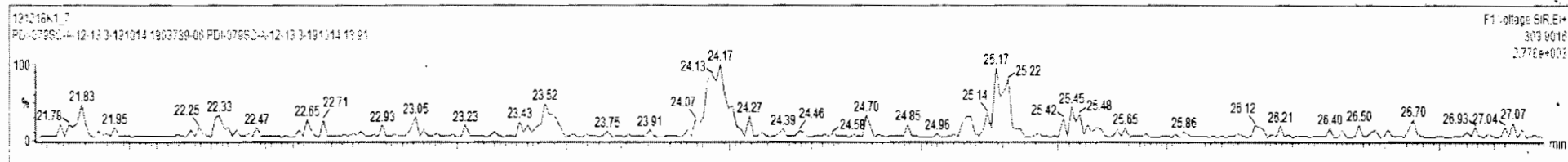
#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.39e5			1.0696	10.002	26.15	26.17	1.028	1.029	NO	62.26	77.8		0.0943
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100		0.496
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100		0.496
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100		1.14
39	Total Tetra-Dioxins				0.9249	10.002	24.62		0.000		NO				0.193
40	Total Penta-Dioxins				0.9048	10.002	29.36		0.000		NO				0.0441
41	Total Hexa-Dioxins				0.9675	10.002	33.63		0.000		NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.80		0.000		NO	3.435		0.395	3.435
43	Total Tetra-Furans				0.9376	10.002	23.61		0.000		NO	0.3948		0.115	0.3948
44	1st Func. Penta-Furans				0.9762	10.002	27.04		0.000		NO				0.0117
45	Total Penta-Furans				0.9752	10.002	29.27		0.000		NO	1.683		0.0856	2.054
46	Total Hexa-Furans				1.1806	10.002	33.58		0.000		NO	1.112		0.101	1.112
47	Total Hepta-Furans				1.1300	10.002	37.83		0.000		NO	0.0660		0.0585	0.7419

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	43 Total Tetra-Furans	23.61	20.86	3.615e2	5.685e2	0.770	0.75	NO	0.39481	0.39481



#	Name	Resp	RA	n/y	RRF	wtvol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.39e5			1.0695	10.002	26.15	26.17	1.028	1.029	NO	62.24	77.8	0.0943	
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100	0.496	
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100	0.496	
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100	1.14	
39	Total Tetra-Dioxins				0.9249	10.002	24.52		0.000		NO			0.103	
40	Total Penta-Dioxins				0.9046	10.002	29.96		0.000		NO			0.0441	
41	Total Hexa-Dioxins				0.9675	10.002	33.63		0.000		NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.80		0.000		NO	3.435		0.355	3.435
43	Total Tetra-Furans				0.9376	10.002	23.61		0.000		NO	0.3958		0.115	0.3958
44	1st Func. Penta-Furans				0.9762	10.002	27.04		0.000		NO			0.0117	
45	Total Penta-Furans				0.9762	10.002	29.27		0.000		NO	1.683		0.0858	2.054
46	Total Hexa-Furans				1.1866	10.002	33.56		0.000		NO	1.112		0.101	1.112
47	Total Hepta-Furans				1.1300	10.002	37.83		0.000		NO	0.0000		0.0585	0.7419

#	Name	Pred RT	RT	nt Resp	nt2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	43 Total Tetra-Furans	23.61	20.86	3.815e2	5.108e2	0.770	0.75	NO	0.39584	0.39584



Dataset: Untitled

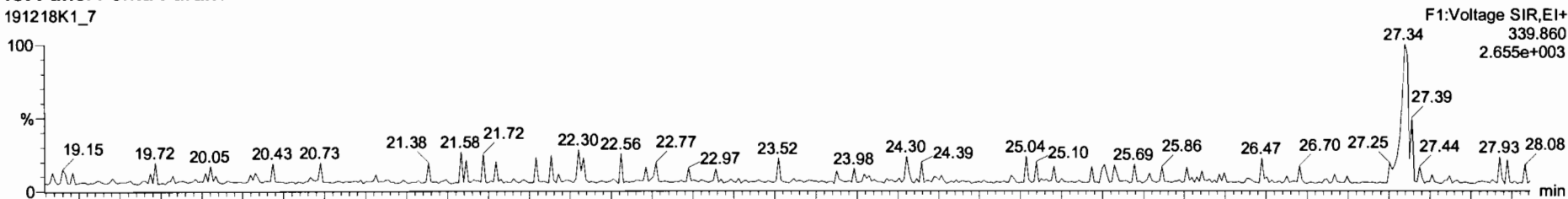
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

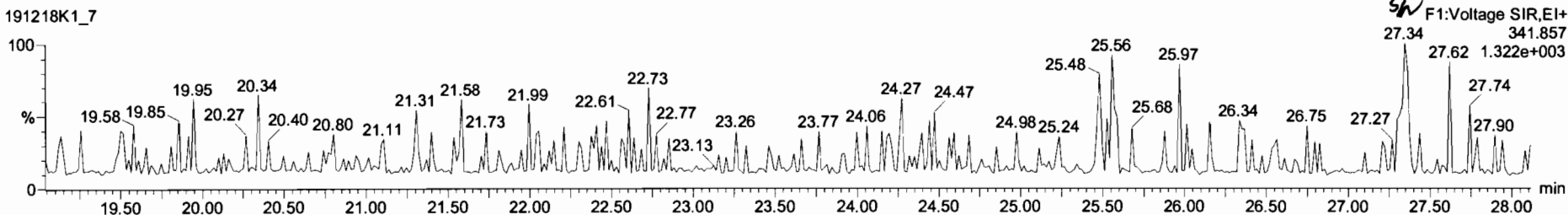
Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

1st Func. Penta-Furans

191218K1_7

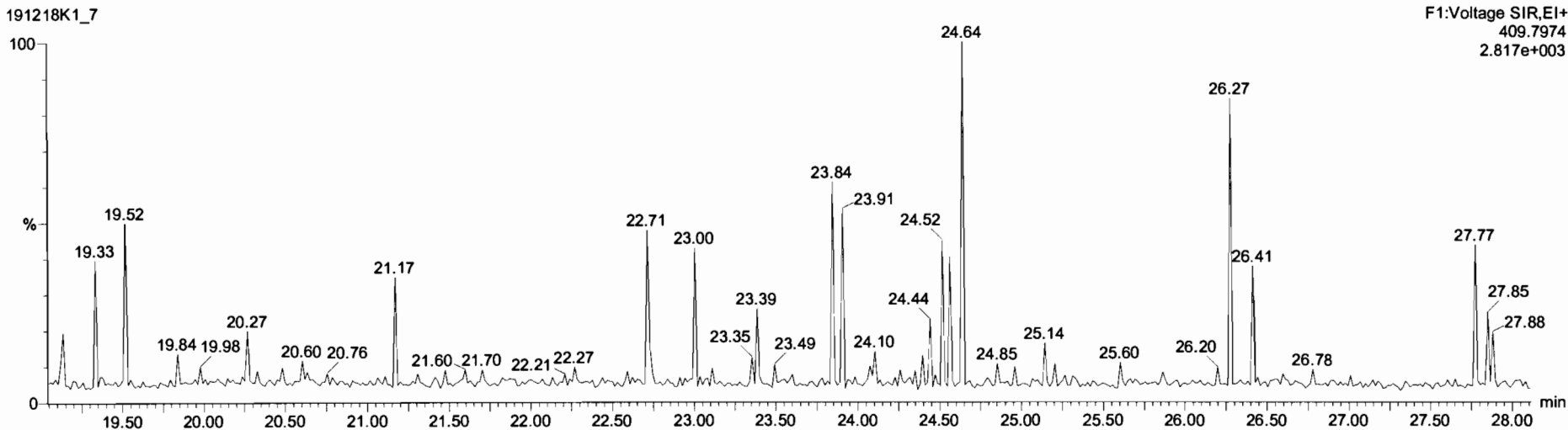


191218K1_7



DPE6

191218K1_7



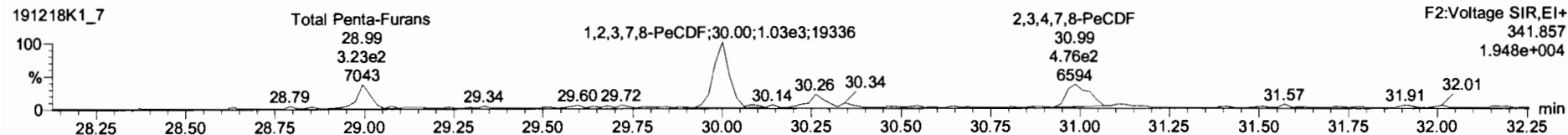
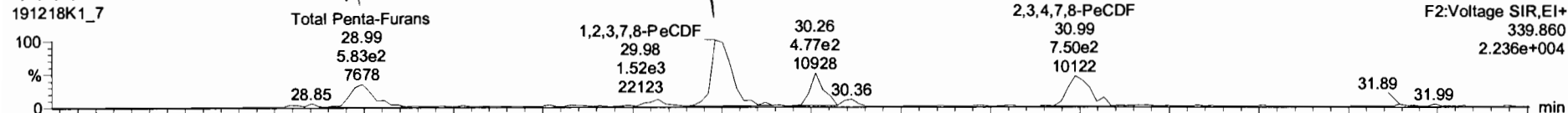
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

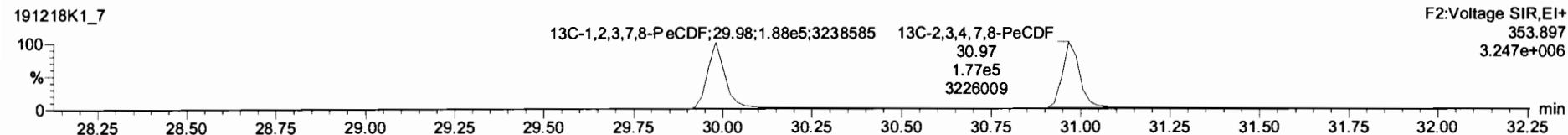
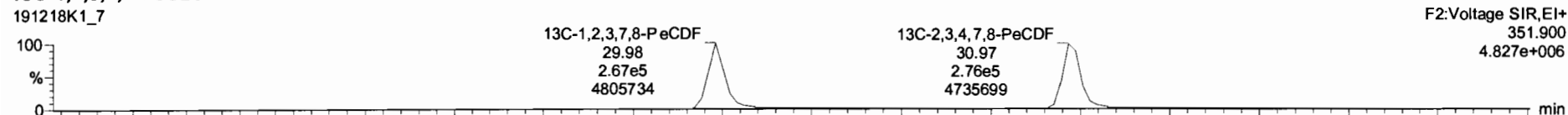
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

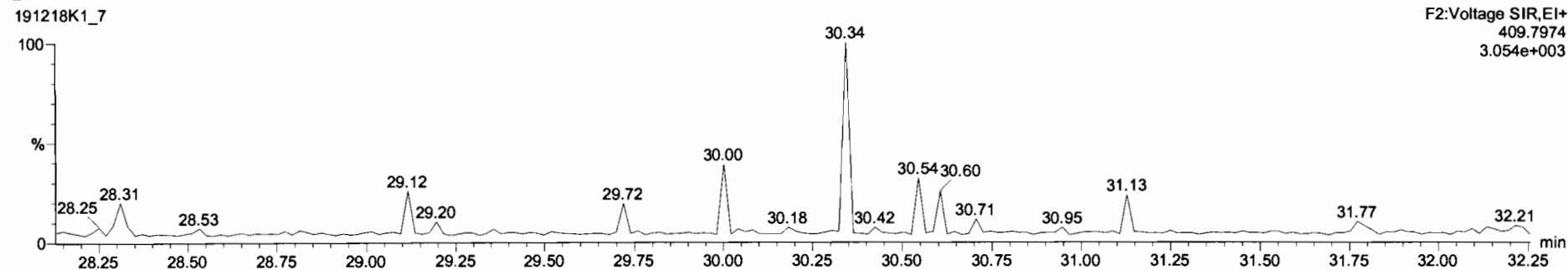
1,2,3,7,8-PeCDF



13C-1,2,3,7,8-PeCDF



DPE2

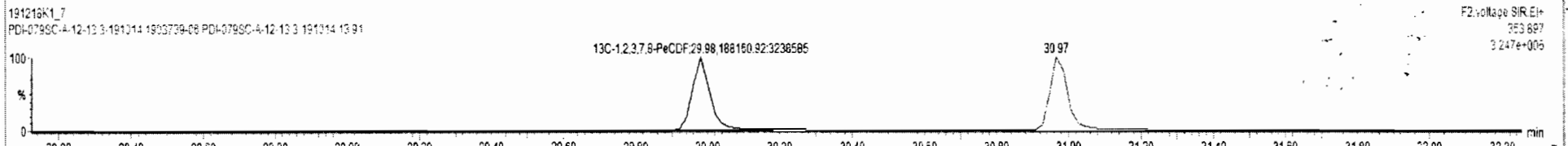
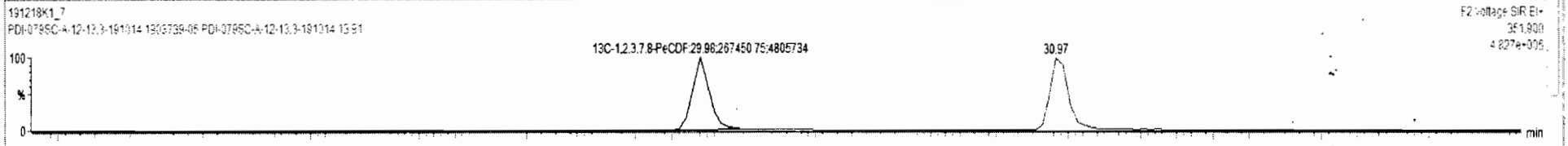
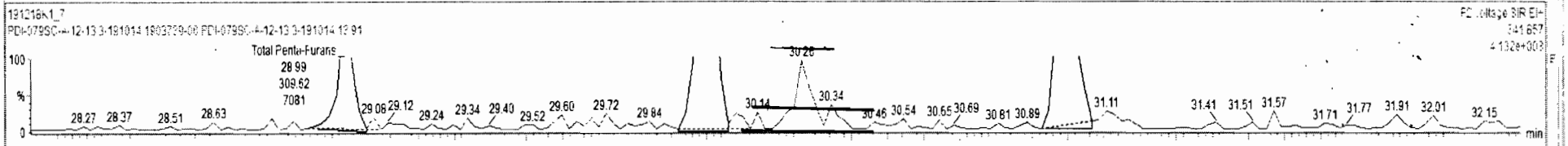
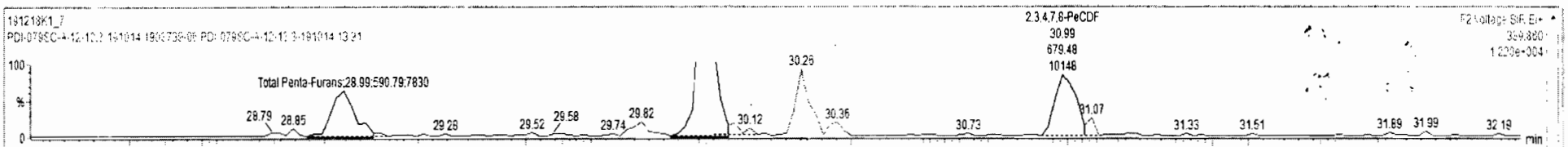




191218K1_7 - 1903739-06-PDI-079SC-A-12-13-3-191014 13 91 - PDI-079SC-A-12-13-3-191014

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.39e5			1.069E	10.002	26.15	26.17	1.028	1.029	NO	62.26	77.8		0.0843
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.43	25.43	1.000	1.000	NO	200.0	100		0.498
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100		0.496
38	13C-1,2,3,4,6,8-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100		1.14
39	Total Tetra-Dioxins				0.9249	10.002	24.62		0.000		NO				0.103
40	Total Penta-Dioxins				0.9046	10.002	29.96		0.000		NO				0.0441
41	Total Hexa-Dioxins				0.9675	10.002	33.63		0.000		NO	0.5810		0.175	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	36.86		0.000		NO	3.425		0.395	3.435
43	Total Tetra-Furans				0.9276	10.002	23.61		0.000		NO	0.3548		0.115	0.3548
44	1st Func. Penta-Furans				0.9782	10.002	27.04		0.000		NO				0.0117
45	Total Penta-Furans				0.9782	10.002	29.27		0.000		NO	1.639		0.0856	1.995
46	Total Hexa-Furans				1.1806	10.002	33.56		0.000		NO	1.112		0.101	1.112
47	Total Hepta-Furans				1.1300	10.002	37.82		0.000		NO	0.0000		0.0585	0.7419

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1,2,3,7,8-PeCDF	30.60	29.96	1.47e3	1.015e3	1.550	1.45	NO	1.1190	1.1190
2	1,2,3,4,7,8-PeCDF	31.60	30.99	6.795e2	5.067e2	1.550	1.34	NO	0.52010	0.52010
3	Total Penta-Furans	29.27	28.99	5.908e2	3.096e2	1.550	1.91	YES	0.35565	0.00000



Custom Reporting: Select reports to generate

191218K1_7

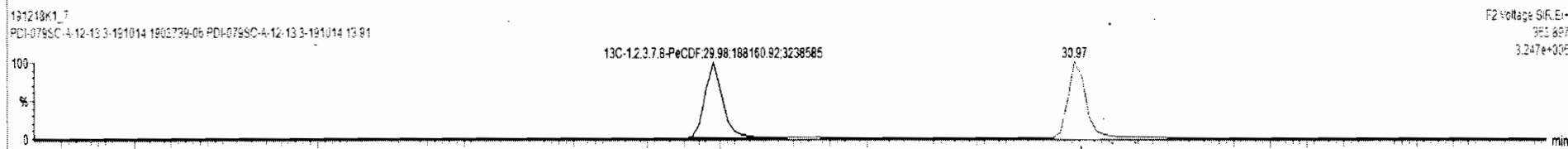
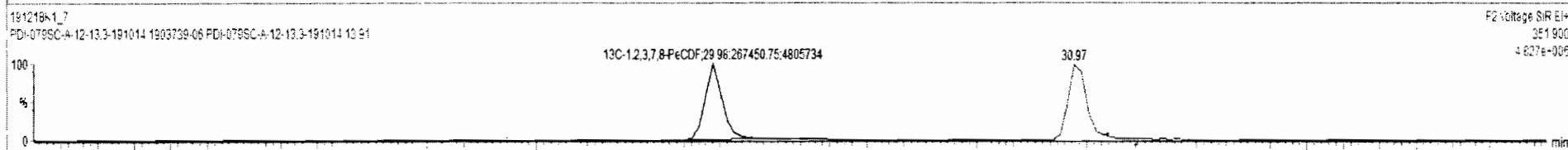
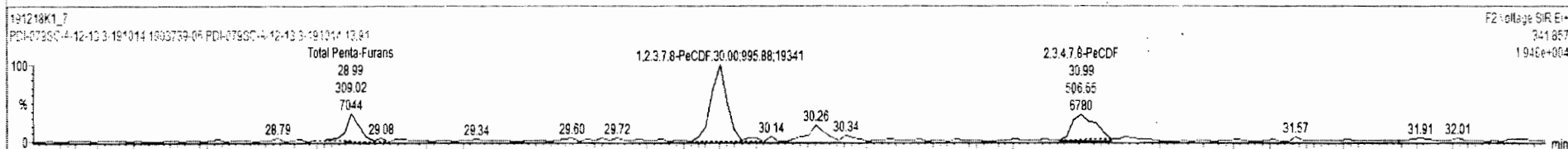
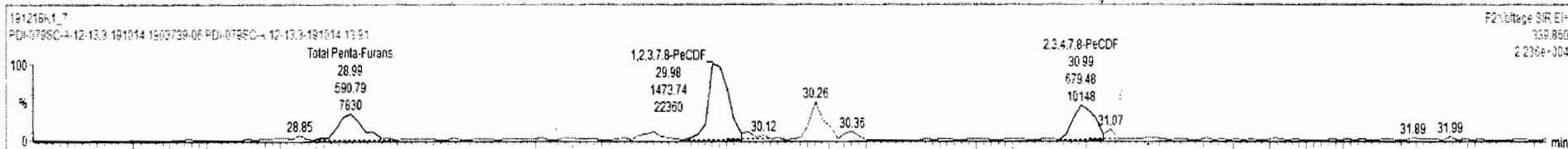
CAP NUM



191218K1_7 - 1903739-06 PDI-079SC-A-12-13-3-191014 13 91 - PDI-079SC-A-12-13-3-191014

#	Name	Resp	RA	nly	RRF	wtwei	Pred RT	RT	Pred R.	RRT	RRT Fal	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.39e5			1.0695	10.002	26.15	26.17	1.028	1.029	NO	62.26	77.8	0.0943	
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100	0.498	
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100	0.496	
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.18	1.000	1.000	NO	200.0	100	1.14	
39	Total Tetra-Dioxins				0.9249	10.002	24.62		0.000		NO			0.103	
40	Total Penta-Dioxins				0.9046	10.002	29.96		0.000		NO			0.0441	
41	Total Hexa-Dioxins				0.9675	10.002	33.83		0.000		NO	0.5610		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.00		0.000		NO	3.435		0.395	3.435
43	Total Tetra-Furans				0.9376	10.002	23.81		0.000		NO	0.3948		0.115	0.3948
44	1st Func. Penta-Furans				0.9762	10.002	27.04		0.000		NO			0.0117	
45	Total Penta-Furans				0.9702	10.002	29.27		0.000		NO	1.630		0.0856	1.985
46	Total Hexa-Furans				1.1806	10.002	33.56		0.000		NO	1.112		0.101	1.112
47	Total Hepta-Furans				1.1300	10.002	37.83		0.000		NO	0.0000		0.0585	0.7419

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 ^o Ratio (Pred)	RA	nly	EMPC	Conc.
1	9,1,2,3,7,8-PeCDF	30.00	29.98	1.474e3	9.959e2	1.550	1.48	NO	1.1102	1.1102
2	10,2,3,4,7,8-PeCDF	31.00	30.99	6.795e2	5.067e2	1.550	1.34	NO	0.52010	0.52010
3	45 Total Penta-Furans	29.27	28.99	5.908e2	3.090e2	1.550	1.91	YES	0.35496	0.00000



Dataset: Untitled

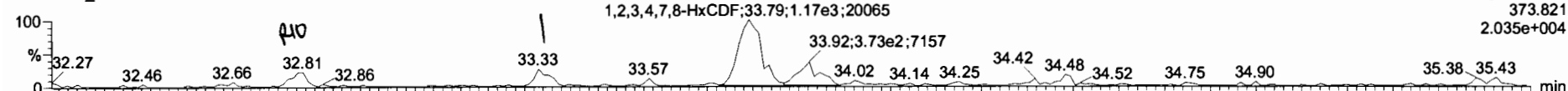
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

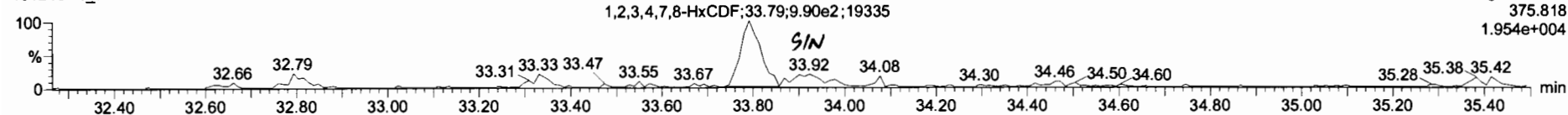
Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

1,2,3,4,7,8-HxCDF

191218K1_7

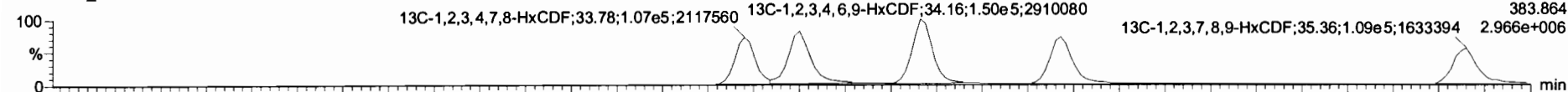


191218K1_7

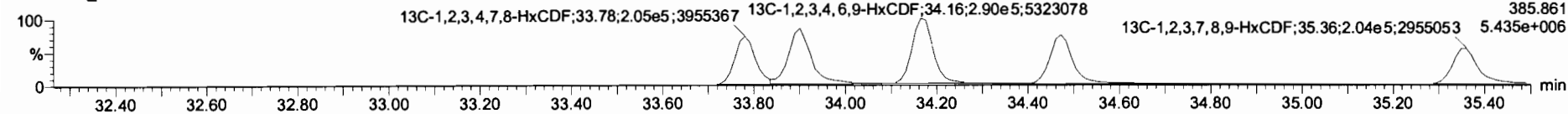


13C-1,2,3,4,7,8-HxCDF

191218K1_7

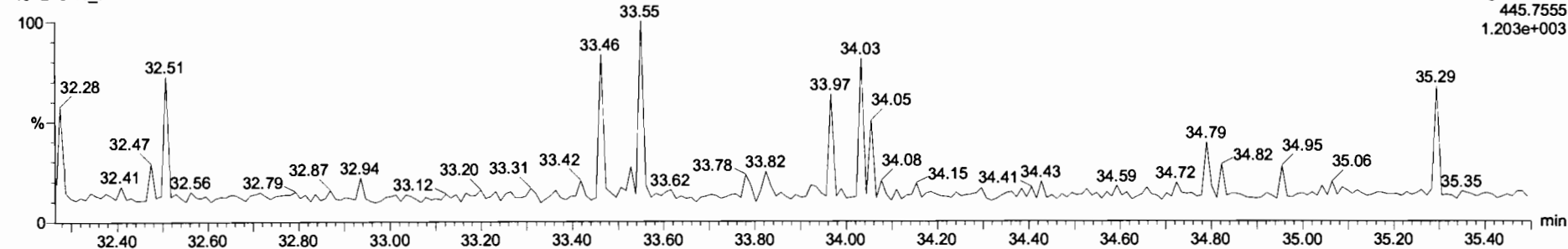


191218K1_7



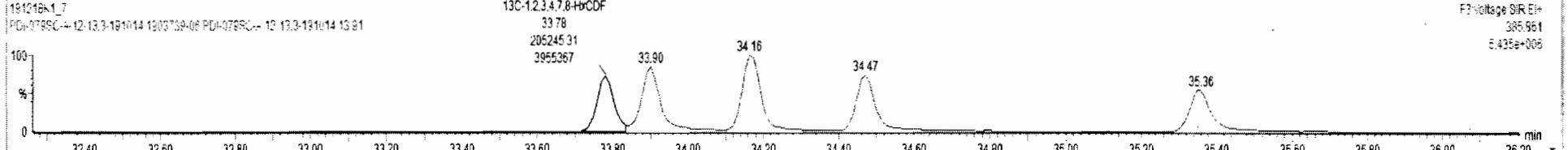
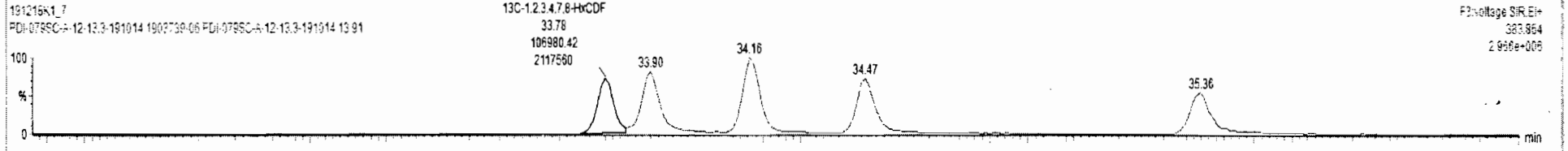
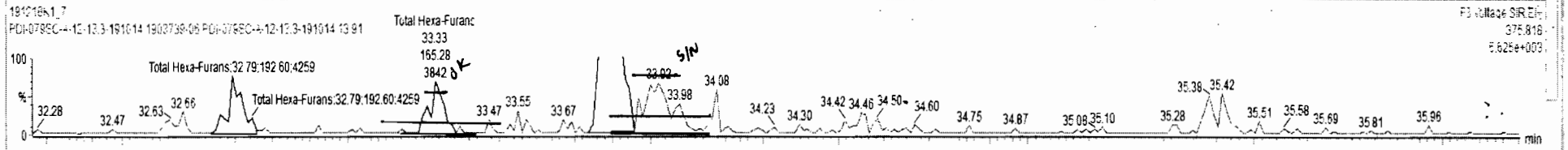
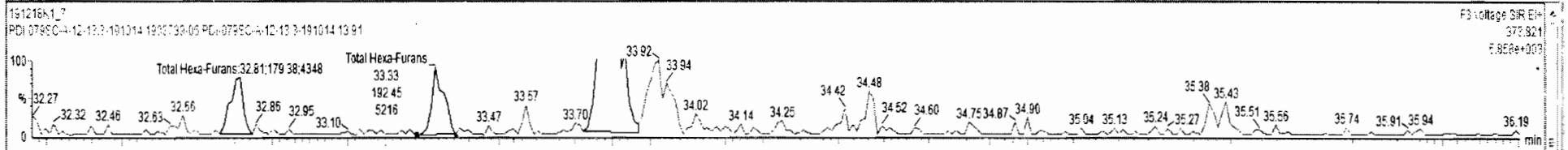
DPE3

191218K1_7



#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Tol	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.39e5			1.0695	10.002	26.15	26.17	1.028	1.029	NO	62.28	77.8		0.0943
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100		0.496
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100		0.496
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100		1.14
39	Total Tetra-Dioxins				0.9249	10.002	24.62				NO				0.103
40	Total Penta-Dioxins				0.904E	10.002	29.96				NO				0.0441
41	Total Hexa-Dioxins				0.9675	10.002	33.63				NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.80				NO	3.435		0.395	3.435
43	Total Tetra-Furans				0.9376	10.002	23.61				NO	0.3948		0.116	0.3948
44	1st Func. Penta-Furans				0.9762	10.002	27.04				NO				0.0117
45	Total Penta-Furans				0.9762	10.002	29.27				NO	1.630		0.0856	1.985
46	Total Hexa-Furans				1.1806	10.002	33.58				NO	1.288		0.101	1.444
47	Total Hepta-Furans				1.1300	10.002	37.83				NO	0.0600		0.0585	0.7419

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	46 Total Hexa-Furans	33.56	32.81	1.754e2	1.926e2	1.240	0.93	YES	0.15774	0.00000
2	46 Total Hexa-Furans	33.56	33.33	1.924e2	1.653e2	1.240	1.16	NO	0.17414	0.17414
3	11 1,2,3,4,7,8-HxCDF	33.78	33.78	1.168e3	9.901e2	1.240	1.16	NO	1.1118	1.1118



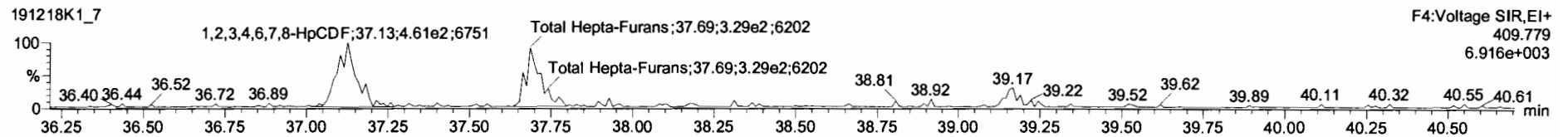
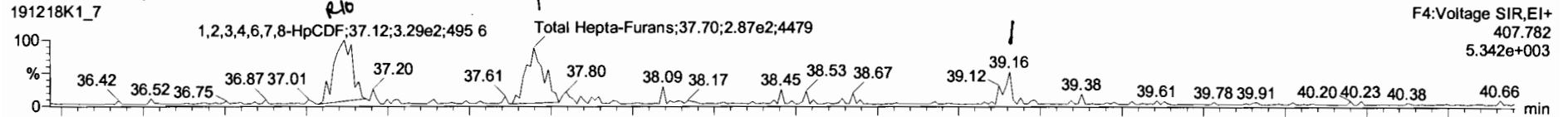
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

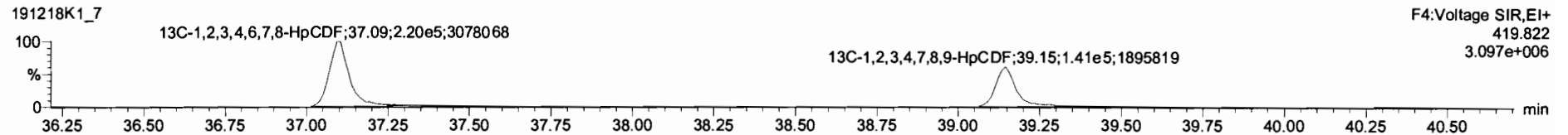
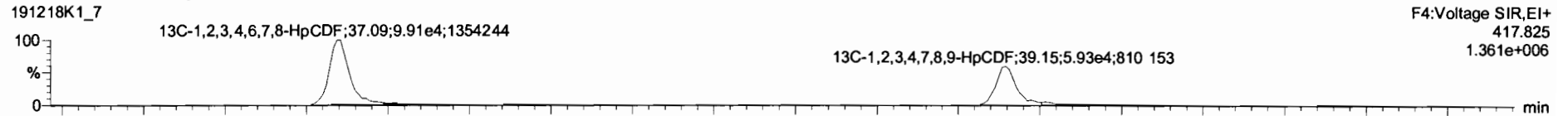
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

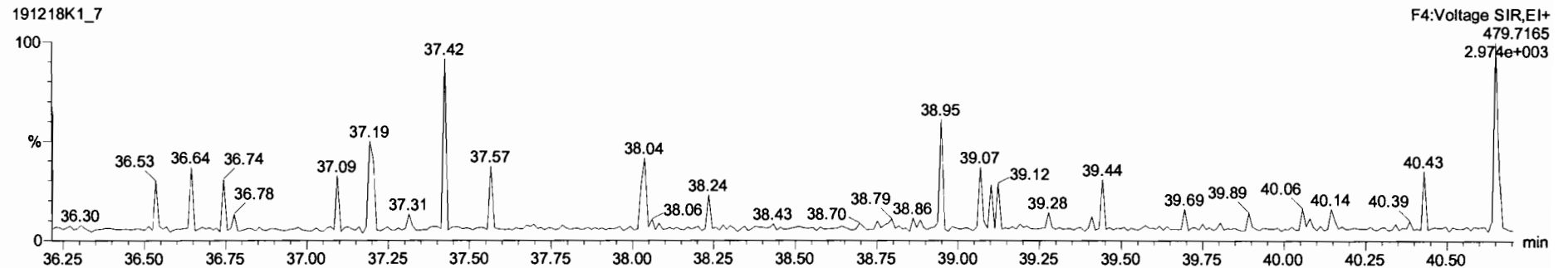
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

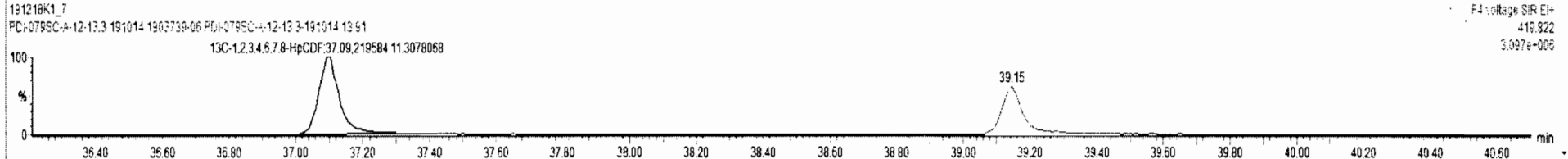
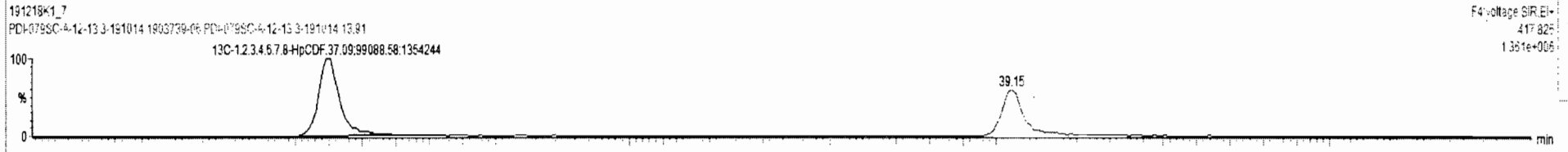
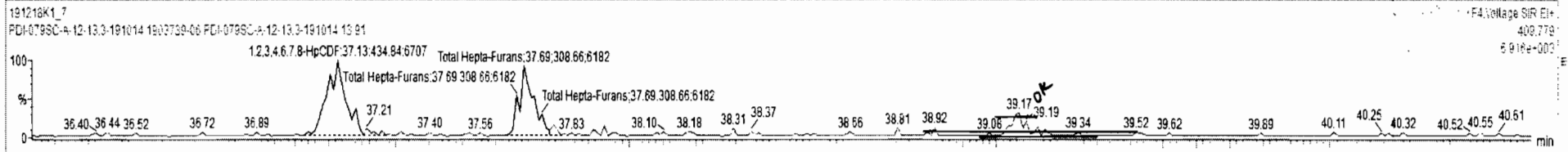
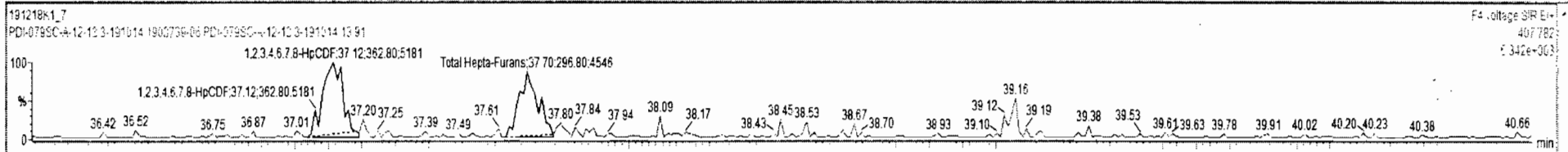




191218K1_7 - 1903739-06 PDI-079SC-A-12-13-3-191014 13-91 - PDI-079SC-A-12-13-3-191014

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Prod R..	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
35	37C-2,3,7,8-TCDD	1.35e5			1.0696	10.002	26.15	26.17	1.028	1.029	NO	62.26	77.8	0.0943	
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100	0.498	
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100	0.496	
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100	1.14	
39	Total Tetra-Dioxins				0.9249	10.002	24.62		0.000		NO			0.103	
40	Total Penta-Dioxins				0.9046	10.002	29.96		0.000		NO			0.0441	
41	Total Hexa-Dioxins				0.9675	10.002	33.63		0.000		NO	0.5610		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	38.80		0.000		NO	3.435		0.395	3.435
43	Total Tetra-Furans				0.9376	10.002	23.61		0.000		NO	0.3948		0.115	0.3948
44	1st Func. Perla-Furans				0.9762	10.002	27.04		0.000		NO			0.0117	
45	Total Penta-Furans				0.9762	10.002	29.27		0.000		NO	1.630		0.0856	1.965
46	Total Hexa-Furans				1.1806	10.002	33.56		0.000		NO	1.286		0.101	1.444
47	Total Hepta-Furans				1.1300	10.002	37.83		0.000		NO	0.4127		0.141	0.8079

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	nly	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.13	37.12	3.628e2	4.348e2	1.040	0.83	YES	0.39517	0.00000
2	Total Hepta-Furans	37.83	37.70	2.968e2	3.087e2	1.040	0.96	NO	0.41272	0.41272

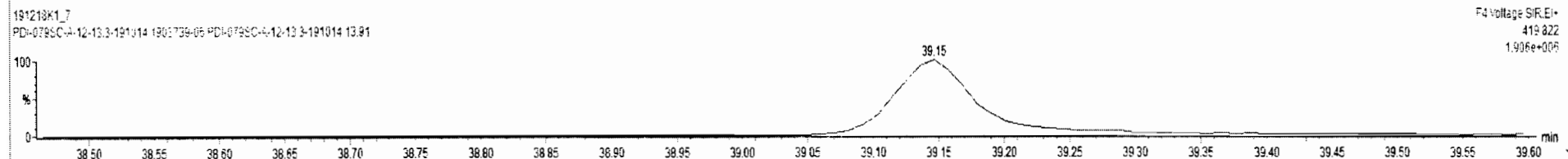
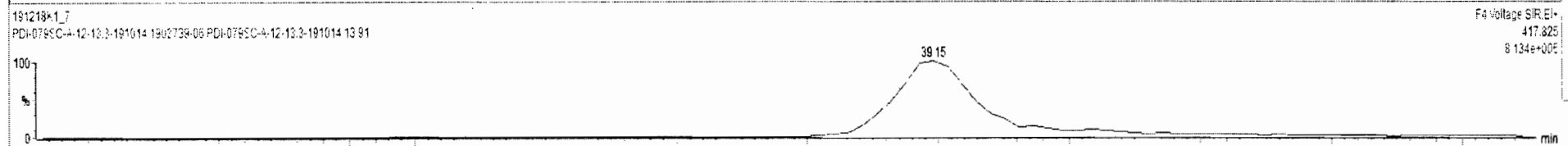
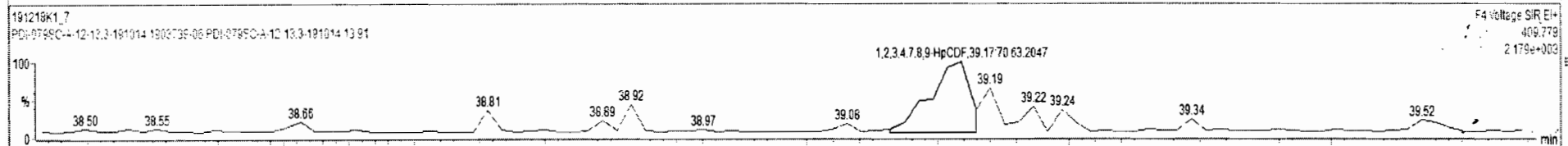
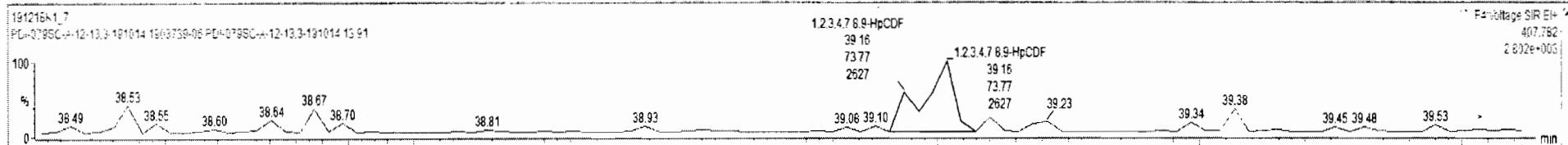




191218K1_7 - 1903739-06 PDI-079SC-A-12-13-3-191014 13 91 - PDI-079SC-A-12-13-3-191014

#	Name	Resp	RA	n/y	RRF	wtvol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
35	37Cl-2,3,7,8-TCDD	1.39e5			1.069E	10.002	26.15	26.17	1.028	1.028	NO	62.26	77.8		0.0942
36	13C-1,2,3,4-TCDD	4.18e5	0.81	NO	1.0000	10.002	25.45	25.43	1.000	1.000	NO	200.0	100		0.496
37	13C-1,2,3,4-TCDF	7.03e5	0.73	NO	1.0000	10.002	23.55	23.55	1.000	1.000	NO	200.0	100		0.496
38	13C-1,2,3,4,6,9-HxCDF	4.41e5	0.52	NO	1.0000	10.002	34.16	34.16	1.000	1.000	NO	200.0	100		1.14
39	Total Tetra-Dioxins				0.9249	10.002	24.82		0.000		NO				0.103
40	Total Penta-Dioxins				0.9048	10.002	29.96		0.000		NO				0.0441
41	Total Hexa-Dioxins				0.9675	10.002	33.63		0.000		NO	0.5810		0.179	0.5810
42	Total Hepta-Dioxins				1.0375	10.002	36.80		0.000		NO	3.425		0.395	3.425
43	Total Tetra-Furans				0.9276	10.002	23.81		0.000		NO	0.3948		0.115	0.3948
44	1st Func. Penta-Furans				0.9762	10.002	27.04		0.000		NO				0.0117
45	Total Penta-Furans				0.9762	10.002	29.27		0.000		NO	1.630		0.0856	1.665
46	Total Hexa-Furans				1.1806	10.002	33.56		0.000		NO	1.286		0.101	1.444
47	Total Hepta-Furans				1.1300	10.002	37.83		0.000		NO	0.5269		0.141	0.9221

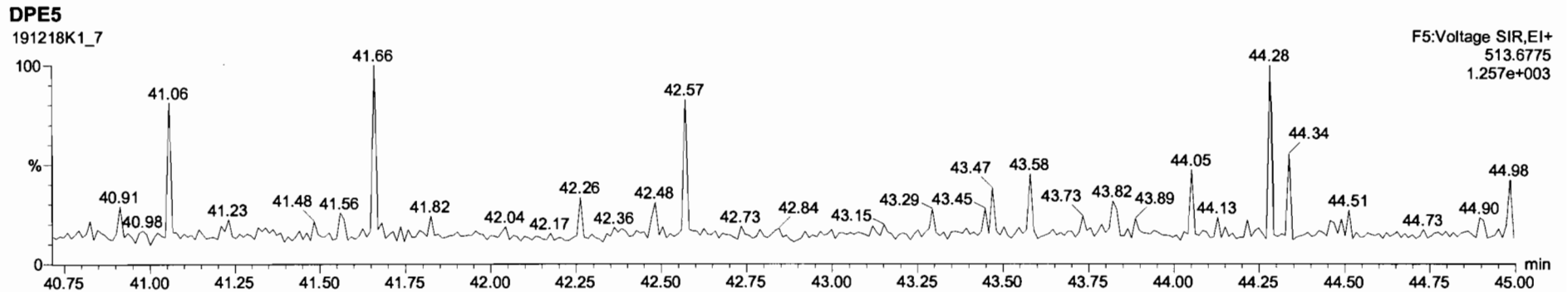
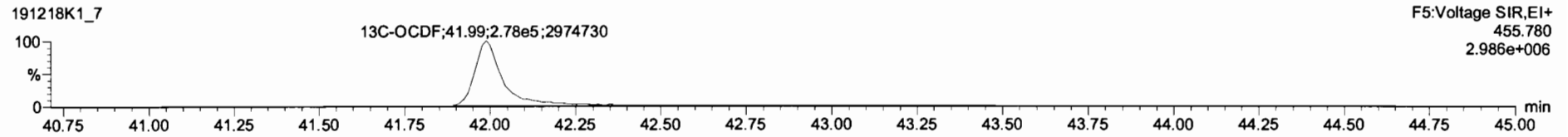
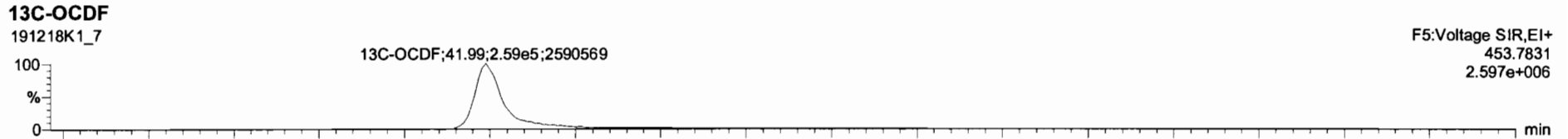
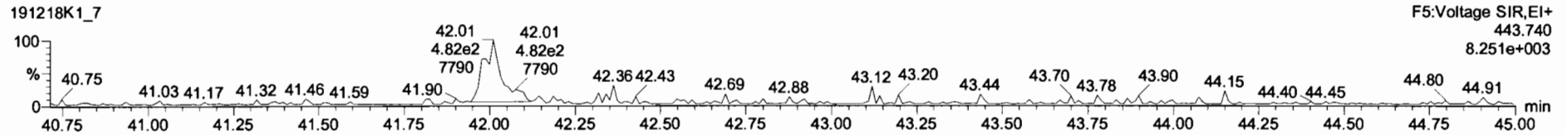
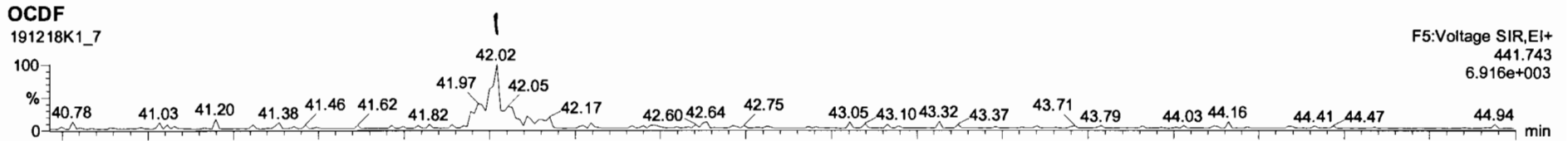
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1,2,3,4,6,7,8-HpCDF	37.13	37.12	3.628e2	4.349e2	1.040	0.83	YES	0.39517	0.00000
2	Total Hepta-Furans	37.83	37.70	2.968e2	3.087e2	1.040	0.96	NO	0.41272	0.41272
3	1,2,3,4,7,8,9-HpCDF	39.15	39.16	7.377e1	7.063e1	1.040	1.04	NO	0.11420	0.11420

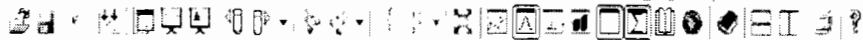


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014

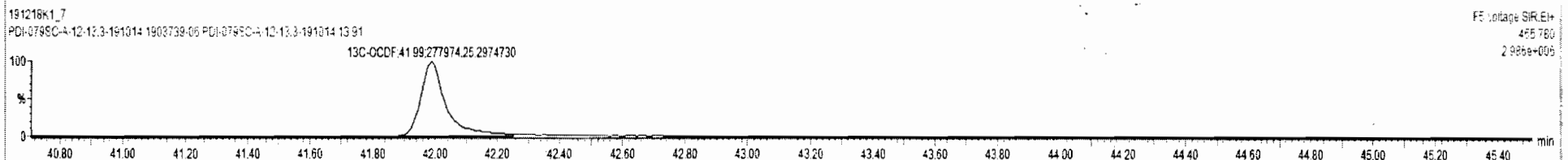
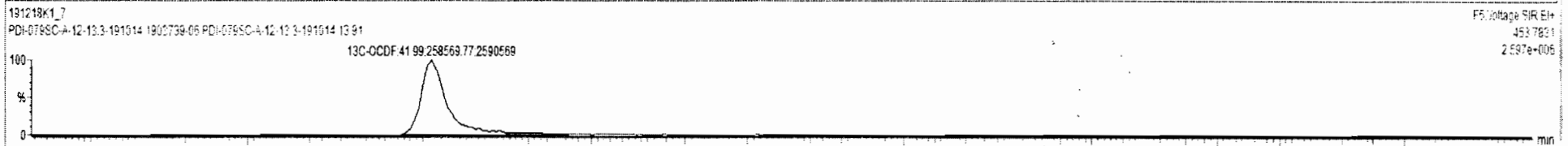
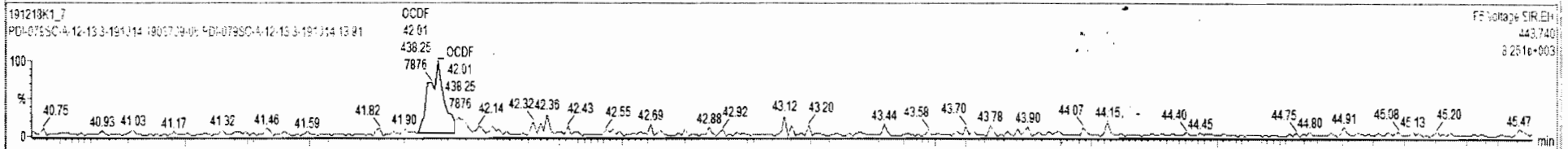
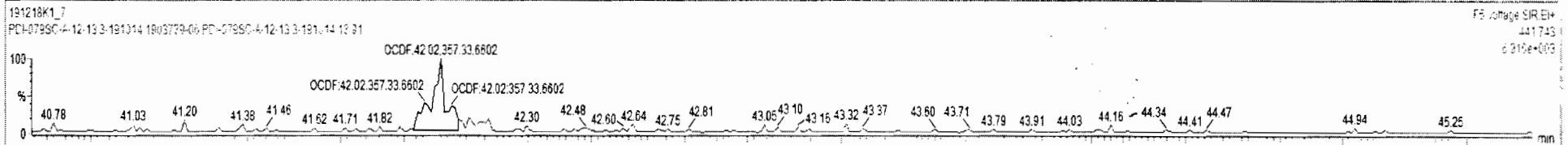




191218K1_7 - 1903739-06 PDI-079SC-A-12-13 3-191014 13 91 - PDI-079SC-A-12-13 3-191014

#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
6	1,2,3,4,6,7,8-HpCDD	1.37e3	1.13	NO	1.0375	10.002	38.54	38.56	1.000	1.001	NO	1.342	0.295	1.345	
7	OCDD	1.17e4	0.95	NO	0.9718	10.002	41.20	41.82	1.000	1.001	NO	12.75	0.466	12.75	
8	2,3,7,8-TCDF				0.9376	10.002	25.18		1.001		YES			0.115	
9	1,2,3,7,8-PeCDF	2.47e3	1.48	NO	0.9762	10.002	30.00	29.98	1.001	1.000	NO	1.110	0.0834	1.110	
10	2,3,4,7,8-PeCDF	1.19e3	1.34	NO	1.0049	10.002	31.00	30.99	1.001	1.001	NO	0.5201	0.0853	0.5201	
11	1,2,3,4,7,8-HxCDF	2.19e3	1.18	NO	1.2434	10.002	33.76	33.79	1.000	1.000	NO	1.112	0.0923	1.112	
12	1,2,3,6,7,8-HxCDF				1.0550	10.002	33.51		1.000		YES			0.0524	
13	2,3,4,6,7,8-HxCDF				1.1806	10.002	34.51		1.001		YES			0.0983	
14	1,2,3,7,8,9-HxCDF				1.0728	10.002	35.36		1.000		YES			0.141	
15	1,2,3,4,6,7,8-HpCDF	7.99e2	0.93	YES	1.1300	10.002	37.13	37.12	1.001	1.001	NO	0.4429	0.115	0.3952	
16	1,2,3,4,7,8,9-HpCDF	1.44e2	1.04	NO	1.2609	10.002	39.15	39.16	1.000	1.000	NO	0.1142	0.164	0.1142	
17	OCDF	7.96e2	0.82	NO	1.1825	10.002	41.99	42.02	1.000	1.001	NO	0.5378	0.174	0.5378	
18	1,3,6,7,8-TCDD	3.59e5	0.77	NO	1.0489	10.002	26.13	26.14	1.027	1.028	NO	163.8	81.5	0.475	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1										

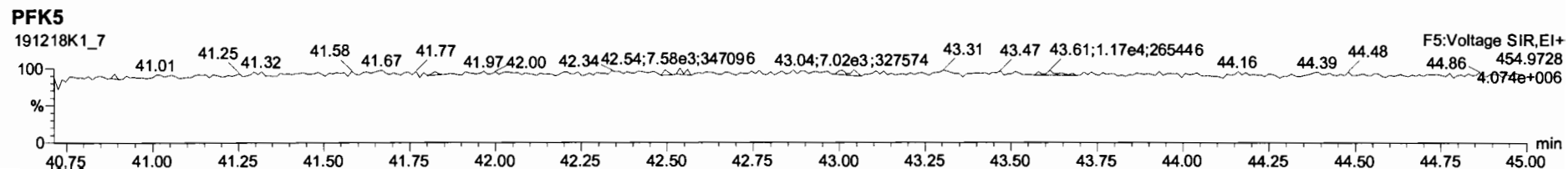
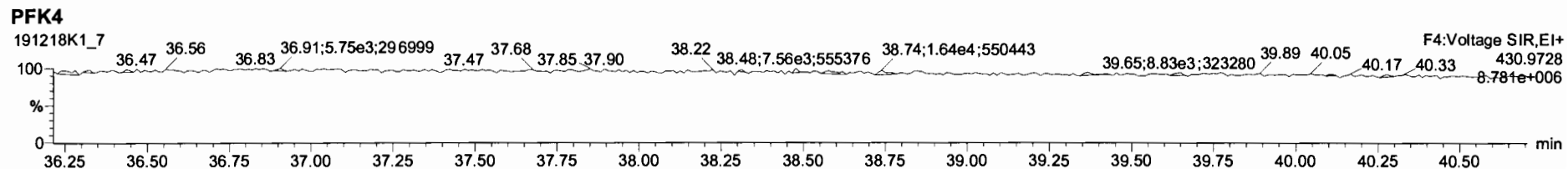
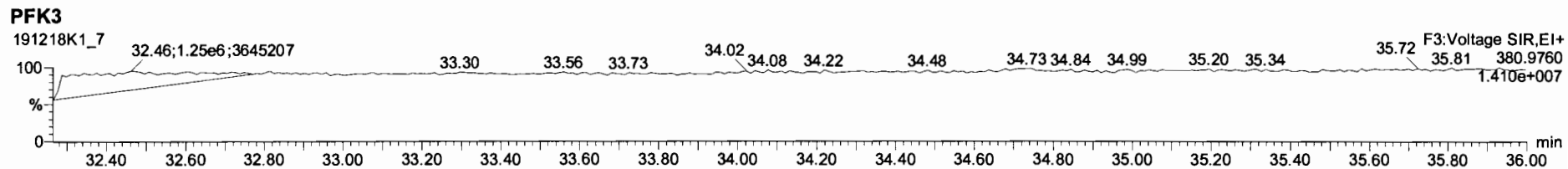
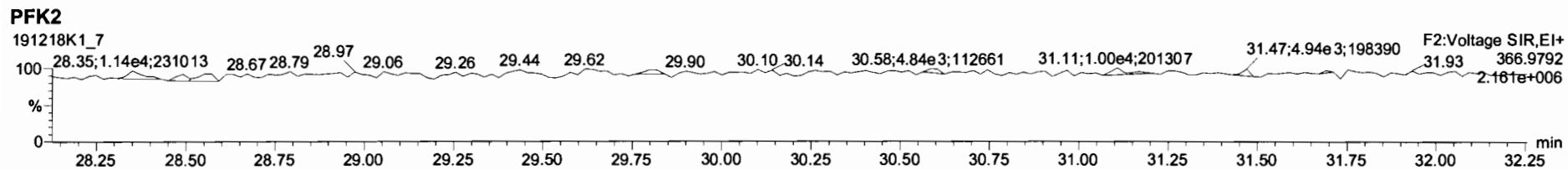
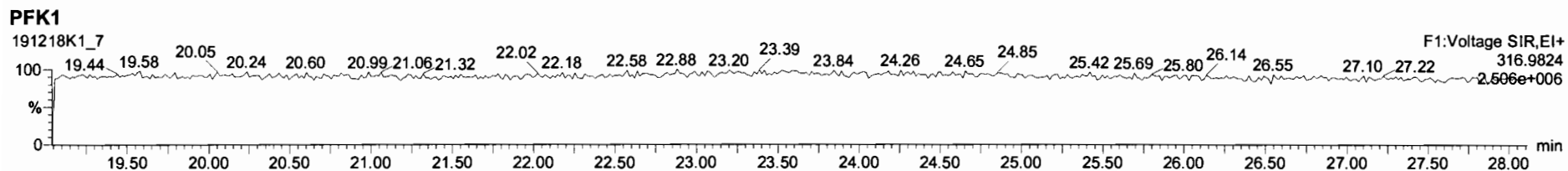


Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_7, Date: 18-Dec-2019, Time: 22:23:46, ID: 1903739-06 PDI-079SC-A-12-13.3-191014 13.91, Description: PDI-079SC-A-12-13.3-191014



CONTINUING CALIBRATION

HKMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191108D1-1

Reviewed By: CT 11/11/19
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"/>
Run Log:		
- Correct instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> (Y)	<input type="checkbox"/> N
- Bottle position verified?		

Mass resolution ≥

5k 6-8K 8K 10K
 1614 1699 429 1613/1668/8280

Intergrated peaks display correctly?

GC Break <20%

8280 CS1 End Standard:

- Ratios within limits, S/N <2.5:1, CS1 within 12 hours

Comments:

SIOS CRASHED DURING (GNI) RES CHECK
 2 FUNCTIONS PRINTED
 DB 11/11/19

Vista Analytical Laboratory - Injection Log Run file: 191108D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191108D1	1	ST191108D1-1	DB	8-NOV-19	11:54:06	ST191108D1-1	NA
191108D1	2	ST191108D1-2	DB	8-NOV-19	12:42:00	ST191108D1-2	NA
191108D1	3	B9J0316-BS1	DB	8-NOV-19	13:29:56	ST191108D1-1	NA
191108D1	4	B9K0011-BS1	DB	8-NOV-19	14:17:51	ST191108D1-1	NA
191108D1	5	QC191108D1-1	DB	8-NOV-19	15:05:47	ST191108D1-1	NA
191108D1	6	SOLVENT BLANK	DB	8-NOV-19	15:53:43	NA	NA
191108D1	7	B9J0316-BLK1	DB	8-NOV-19	16:41:38	ST191108D1-1	NA
191108D1	8	B9K0011-BLK1	DB	8-NOV-19	17:29:33	ST191108D1-1	NA
191108D1	9	QC191108D1-2	DB	8-NOV-19	18:17:28	ST191108D1-1	NA
191108D1	10	QC191108D1-3	DB	8-NOV-19	19:05:16	ST191108D1-1	NA
191108D1	11	QC191108D1-4	DB	8-NOV-19	19:53:05	ST191108D1-2	NA
191108D1	12	QC191108D1-5	DB	8-NOV-19	20:40:50	ST191108D1-2	NA
191108D1	13	1903584-10RE1	DB	8-NOV-19	21:28:44	ST191108D1-1	NA
191108D1	14	1903580-01RE1	DB	8-NOV-19	22:16:28	ST191108D1-1	NA
191108D1	15	1903430-06RE1	DB	8-NOV-19	23:04:17	ST191108D1-1	NA

FORM 4A
PCDD/PCDF CALIBRATION VERIFICATION

Lab Name: Vista Analytical Laboratory Episode No.: CCAL ID: ST191108D1-1

Contract No.: SAS No.:

Initial Calibration Date: 10-9-19

Instrument ID: VG-7 GC Column ID: ZB-5MS

VER Data Filename: 191108D1 S#1 Analysis Date: 8-NOV-19 Time: 11:54:06

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	0.82	0.65-0.89	y	10.8	7.8 - 12.9
1,2,3,7,8-PeCDD	M/M+2	0.63	0.54-0.72	y	47.9	8.2 - 12.3 (4) 39.0 - 65.0
1,2,3,4,7,8-HxCDD	M+2/M+4	1.25	1.05-1.43	y	48.3	39.0 - 64.0
1,2,3,6,7,8-HxCDD	M+2/M+4	1.23	1.05-1.43	y	52.2	39.0 - 64.0
1,2,3,7,8,9-HxCDD	M+2/M+4	1.21	1.05-1.43	y	50.6	41.0 - 61.0
1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.05	0.88-1.20	y	48.7	43.0 - 58.0
OCDD	M+2/M+4	0.89	0.76-1.02	y	103	79.0 - 126.0
2,3,7,8-TCDF	M/M+2	0.78	0.65-0.89	y	9.43	8.4 - 12.0 8.6 - 11.6 (4)
1,2,3,7,8-PeCDF	M+2/M+4	1.69	1.32-1.78	y	50.8	41.0 - 60.0
2,3,4,7,8-PeCDF	M+2/M+4	1.67	1.32-1.78	y	49.0	41.0 - 61.0
1,2,3,4,7,8-HxCDF	M+2/M+4	1.22	1.05-1.43	y	47.6	45.0 - 56.0
1,2,3,6,7,8-HxCDF	M+2/M+4	1.23	1.05-1.43	y	48.2	44.0 - 57.0
2,3,4,6,7,8-HxCDF	M+2/M+4	1.24	1.05-1.43	y	49.0	44.0 - 57.0
1,2,3,7,8,9-HxCDF	M+2/M+4	1.24	1.05-1.43	y	48.8	45.0 - 56.0
1,2,3,4,6,7,8-HpCDF	M+2/M+4	1.02	0.88-1.20	y	47.0	45.0 - 55.0
1,2,3,4,7,8,9-HpCDF	M+2/M+4	1.01	0.88-1.20	y	46.4	43.0 - 58.0
OCDF	M+2/M+4	0.88	0.76-1.02	y	95.7	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: 11/8/19

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: 191108D1 S#1 Analysis Date: 8-NOV-19 Time: 11:54:06

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	0.78	0.65-0.89	y	105	82.0 - 121.0
13C-1,2,3,7,8-PeCDD	M/M+2	0.62	0.54-0.72	y	115	62.0 - 160.0
13C-1,2,3,4,7,8-HxCDD	M+2/M+4	1.29	1.05-1.43	y	113	85.0 - 117.0
13C-1,2,3,6,7,8-HxCDD	M+2/M+4	1.31	1.05-1.43	y	94.7	85.0 - 118.0
13C-1,2,3,7,8,9-HxCDD	M+2/M+4	1.27	1.05-1.43	y	105	85.0 - 118.0
13C-1,2,3,4,6,7,8-HpCDD	M+2/M+4	1.06	0.88-1.20	y	117	72.0 - 138.0
13C-OCDD	M/M+2	0.91	0.76-1.02	y	246	96.0 - 415.0
13C-2,3,7,8-TCDF	M+2/M+4	0.80	0.65-0.89	y	104	71.0 - 140.0
13C-1,2,3,7,8-PeCDF	M+2/M+4	1.57	1.32-1.78	y	111	76.0 - 130.0
13C-2,3,4,7,8-PeCDF	M+2/M+4	1.61	1.32-1.78	y	104	77.0 - 130.0
13C-1,2,3,4,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	109	76.0 - 131.0
13C-1,2,3,6,7,8-HxCDF	M/M+2	0.51	0.43-0.59	y	98.2	70.0 - 143.0
13C-2,3,4,6,7,8-HxCDF	M/M+2	0.51	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	109	74.0 - 135.0
13C-1,2,3,4,6,7,8-HpCDF	M+2/M+4	0.44	0.37-0.51	y	109	78.0 - 129.0
13C-1,2,3,4,7,8,9-HpCDF	M+2/M+4	0.45	0.37-0.51	y	123	77.0 - 129.0
13C-OCDF	M+2/M+4	0.88	0.76-1.02	y	248	96.0 - 415.0
CLEANUP STANDARD (3) 37Cl-2,3,7,8-TCDD					10.1	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: 11/8/19

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: 191108D1 S#1 Analysis Date: 8-NOV-19 Time: 11:54:06

Compounds Using 13C-1234-TCDD as RT Internal Standard

NATIVE ANALYTES	RETENTION TIME REFERENCE	RRT	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	1.000	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	0.991	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: 11/8/19

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: 191108D1 S#1 Analysis Date: 8-NOV-19 Time: 11:54:06

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	1.000	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	1.001	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	1.000	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	1.017	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	1.145	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	1.234	1.091-1.371

Analyst: DB

Date: 11/8/19

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: 191108D1 S#1 Analysis Date: 8-NOV-19 Time: 11:54:06

ZB-5MS IS Data Filename: 191108D1 S#1 Analysis Date: 8-NOV-19 Time: 11:54:06

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)	22:49	1,3,6,8-TCDF (F)	20:42
1,2,8,9-TCDD (L)	27:04	1,2,8,9-TCDF (L)	27:12
1,2,4,7,9-PeCDD (F)	28:40	1,3,4,6,8-PeCDF (F)	27:10
1,2,3,8,9-PeCDD (L)	31:04	1,2,3,8,9-PeCDF (L)	31:18
1,2,4,6,7,9-HxCDD (F)	32:29	1,2,3,4,6,8-HxCDF (F)	31:57
1,2,3,7,8,9-HxCDD (L)	34:26	1,2,3,7,8,9-HxCDF (L)	34:48
1,2,3,4,6,7,9-HpCDD (F)	37:02	1,2,3,4,6,7,8-HpCDF (F)	36:39
1,2,3,4,6,7,8-HpCDD (L)	37:53	1,2,3,4,7,8,9-HpCDF (L)	38:25

(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: 11/8/19

Client ID: 1613 CS3 19C2204
Lab ID: ST191108D1-1

Filename: 191108D1 S:1 Acq: 8-NOV-19 11:54:06
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

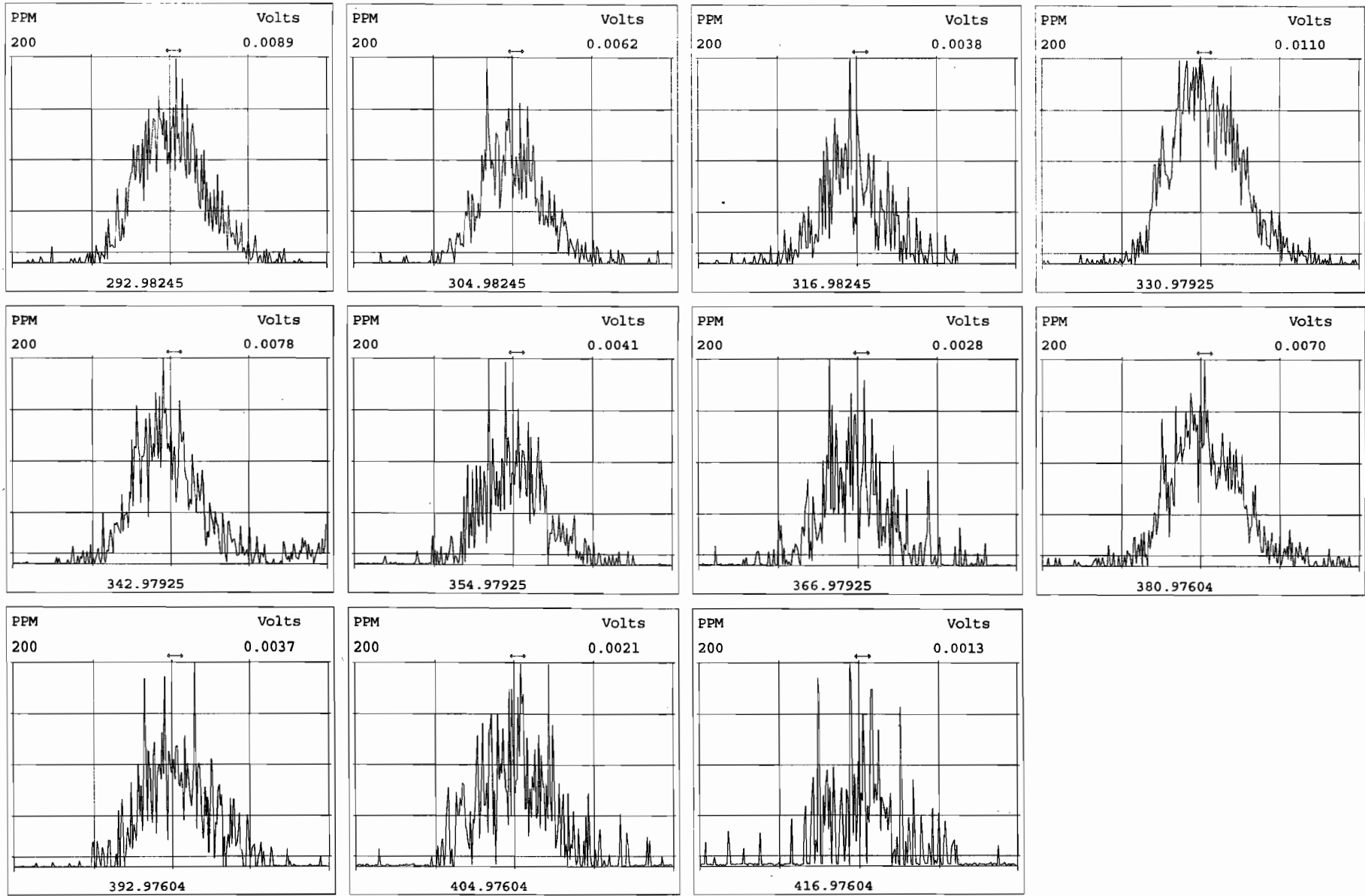
ConCal: ST191108D1-1
EndCAL: NA

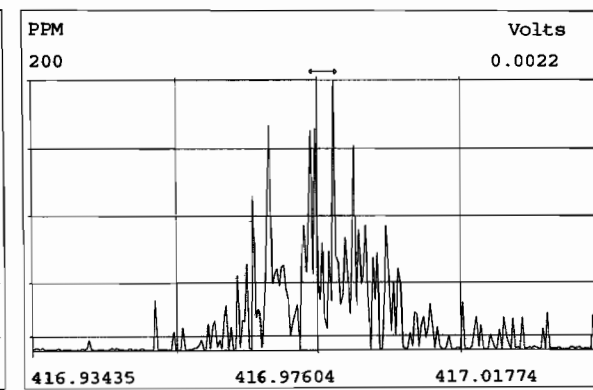
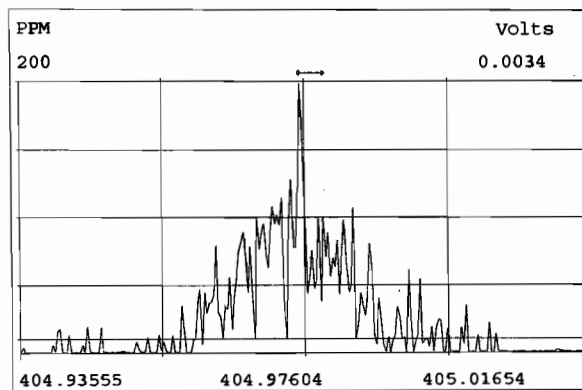
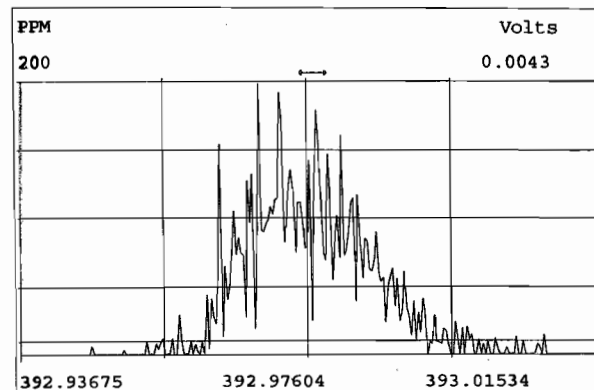
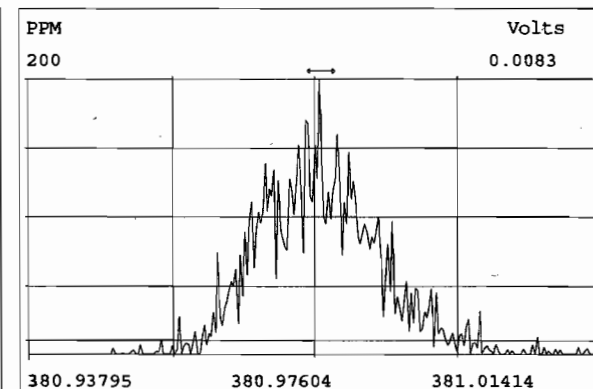
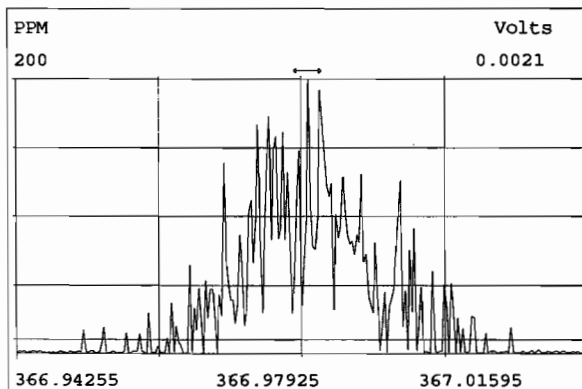
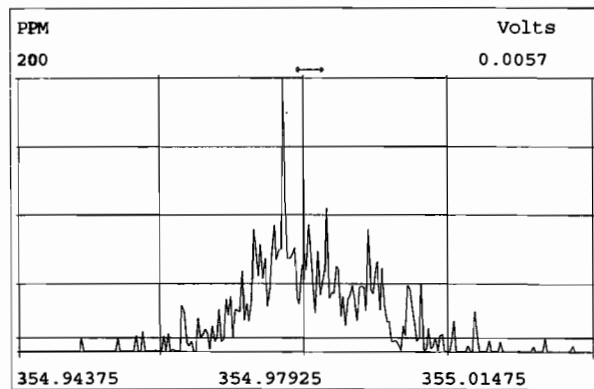
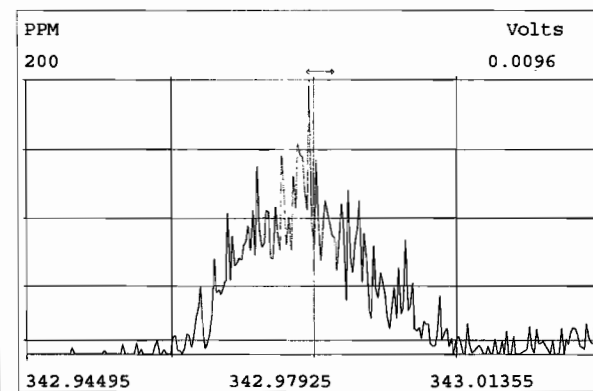
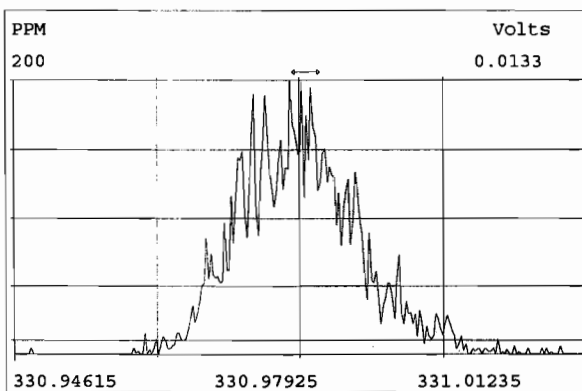
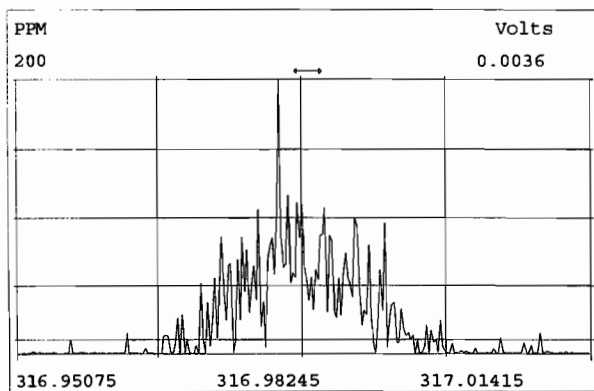
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	8.71e+05	0.82 y	0.91	26:12	10.836			* 2.5	*	Total Tetra-Dioxins	78.5	79.2		*	*
1,2,3,7,8-PeCDD	3.38e+06	0.63 y	0.90	30:43	47.860			* 2.5	*	Total Penta-Dioxins	179	179		*	*
1,2,3,4,7,8-HxCDD	3.70e+06	1.25 y	1.10	34:01	48.335			* 2.5	*	Total Hexa-Dioxins	220	221		*	*
1,2,3,6,7,8-HxCDD	3.79e+06	1.23 y	0.94	34:08	52.168			* 2.5	*	Total Hepta-Dioxins	113	114		*	*
1,2,3,7,8,9-HxCDD	3.94e+06	1.21 y	0.96	34:26	50.556			* 2.5	*	Total Tetra-Furans	34.1	34.9		*	*
1,2,3,4,6,7,8-HpCDD	3.50e+06	1.05 y	0.98	37:53	48.712			* 2.5	*	Total Penta-Furans	211.11	211.66		*	*
OCDD	6.73e+06	0.89 y	0.96	41:09	102.98			* 2.5	*	Total Hexa-Furans	257	257		*	*
										Total Hepta-Furans	93.7	94.3		*	*
2,3,7,8-TCDF	1.18e+06	0.78 y	0.95	25:25	9.4278			* 2.5	*						
1,2,3,7,8-PeCDF	5.66e+06	1.69 y	0.96	29:32	50.783			* 2.5	*						
2,3,4,7,8-PeCDF	5.37e+06	1.67 y	1.01	30:26	48.958			* 2.5	*						
1,2,3,4,7,8-HxCDF	4.85e+06	1.22 y	1.18	33:08	47.606			* 2.5	*						
1,2,3,6,7,8-HxCDF	5.01e+06	1.23 y	1.07	33:15	48.233			* 2.5	*						
2,3,4,6,7,8-HxCDF	5.08e+06	1.24 y	1.11	33:51	48.997			* 2.5	*						
1,2,3,7,8,9-HxCDF	4.47e+06	1.24 y	1.06	34:48	48.840			* 2.5	*						
1,2,3,4,6,7,8-HpCDF	4.17e+06	1.02 y	1.13	36:39	47.036			* 2.5	*						
1,2,3,4,7,8,9-HpCDF	4.07e+06	1.01 y	1.28	38:24	46.432			* 2.5	*						
OCDF	7.41e+06	0.88 y	0.95	41:23	95.740			* 2.5	*						
IS	13C-2,3,7,8-TCDD	8.88e+06	0.78 y	1.10	26:11	104.61				Rec	Qual				
IS	13C-1,2,3,7,8-PeCDD	7.83e+06	0.62 y	0.88	30:42	114.56				105					
IS	13C-1,2,3,4,7,8-HxCDD	6.95e+06	1.29 y	0.64	34:00	113.18				115					
IS	13C-1,2,3,6,7,8-HxCDD	7.74e+06	1.31 y	0.86	34:07	94.674				113					
IS	13C-1,2,3,7,8,9-HxCDD	8.10e+06	1.27 y	0.81	34:25	105.04				94.7					
IS	13C-1,2,3,4,6,7,8-HpCDD	7.34e+06	1.06 y	0.65	37:51	117.33				105					
IS	13C-OCDD	1.36e+07	0.91 y	0.58	41:09	246.16				117					
IS	13C-2,3,7,8-TCDF	1.31e+07	0.80 y	1.03	25:24	103.75				123					
IS	13C-1,2,3,7,8-PeCDF	1.16e+07	1.57 y	0.85	29:31	111.14				104					
IS	13C-2,3,4,7,8-PeCDF	1.08e+07	1.61 y	0.85	30:25	104.34				111					
IS	13C-1,2,3,4,7,8-HxCDF	8.66e+06	0.51 y	0.83	33:07	108.86				104					
IS	13C-1,2,3,6,7,8-HxCDF	9.72e+06	0.51 y	1.03	33:15	98.249				109					
IS	13C-2,3,4,6,7,8-HxCDF	9.31e+06	0.51 y	0.95	33:50	102.14				98.2					
IS	13C-1,2,3,7,8,9-HxCDF	8.62e+06	0.51 y	0.83	34:47	108.95				102					
IS	13C-1,2,3,4,6,7,8-HpCDF	7.86e+06	0.44 y	0.76	36:38	108.53				109					
IS	13C-1,2,3,4,7,8,9-HpCDF	6.85e+06	0.45 y	0.58	38:24	123.27				109					
IS	13C-OCDF	1.63e+07	0.88 y	0.69	41:22	248.08				123					
C/Up	37C1-2,3,7,8-TCDD	9.41e+05		1.20	26:12	10.136				124					
RS/RT	13C-1,2,3,4-TCDD	7.75e+06	0.76 y	1.00	25:37	100.00									
RS	13C-1,2,3,4-TCDF	1.22e+07	0.80 y	1.00	24:12	100.00									
RS/RT	13C-1,2,3,4,6,9-HxCDF	9.56e+06	0.51 y	1.00	33:32	100.00									

Integrations Reviewed
by JB by CT
Analyst: JB Analyst: CT
Date: 11/8/19 Date: 11/11/19

Vista Analytical Laboratory - Injection Log Run file: 191108D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

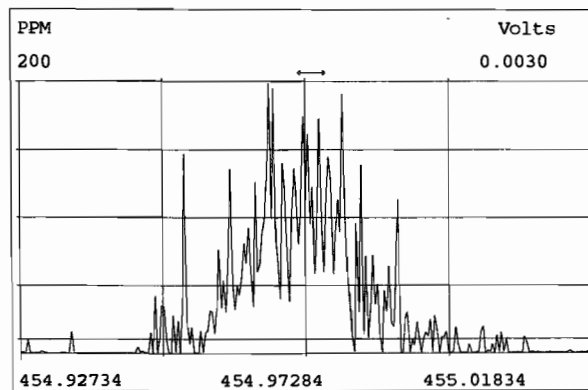
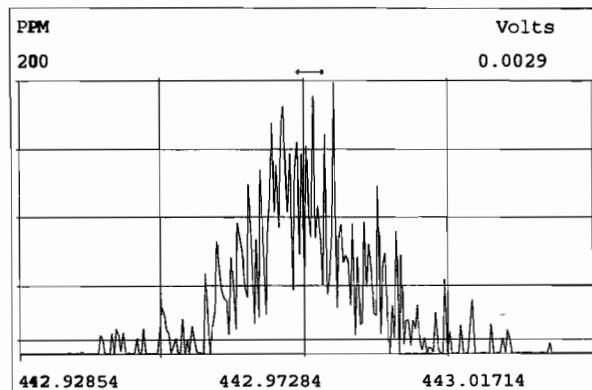
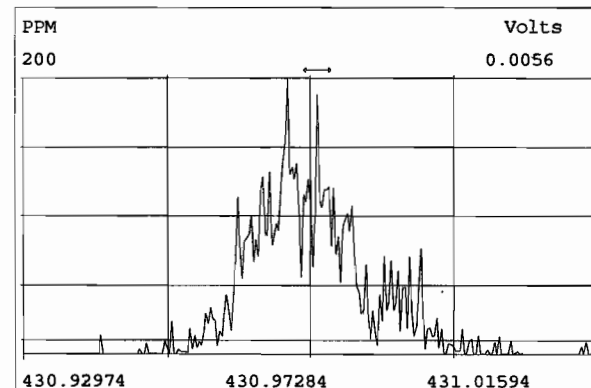
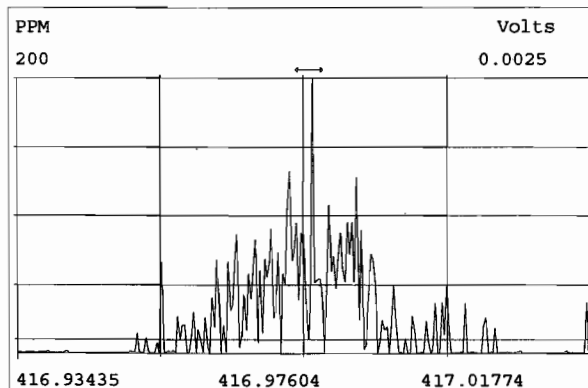
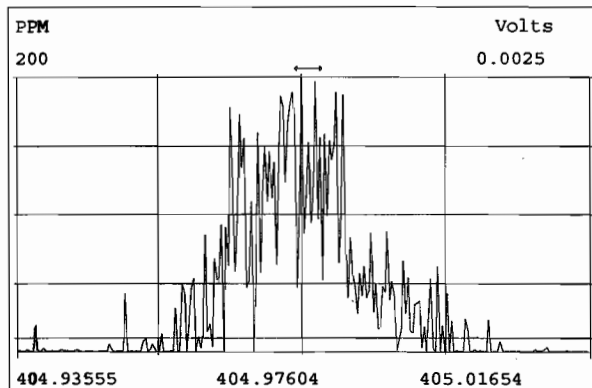
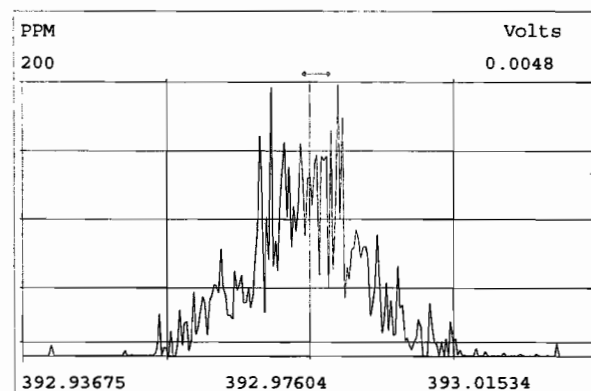
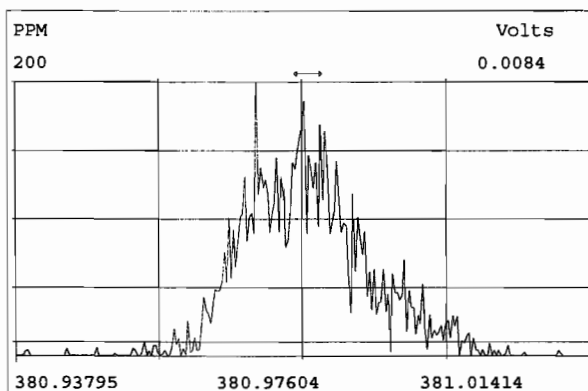
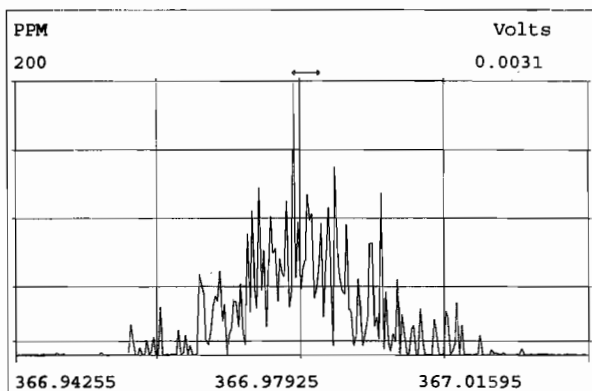
Data file	S#	Sample ID	Analyst	Acq date	Acq time	CCal	ECal
191108D1	1	ST191108D1-1	DB	8-NOV-19	11:54:06	ST191108D1-1	NA
191108D1	2	ST191108D1-2	DB	8-NOV-19	12:42:00	ST191108D1-2	NA
191108D1	3	B9J0316-BS1	DB	8-NOV-19	13:29:56	ST191108D1-1	NA
191108D1	4	B9K0011-BS1	DB	8-NOV-19	14:17:51	ST191108D1-1	NA
191108D1	5	QC191108D1-1	DB	8-NOV-19	15:05:47	ST191108D1-1	NA
191108D1	6	SOLVENT BLANK	DB	8-NOV-19	15:53:43	NA	NA
191108D1	7	B9J0316-BLK1	DB	8-NOV-19	16:41:38	ST191108D1-1	NA
191108D1	8	B9K0011-BLK1	DB	8-NOV-19	17:29:33	ST191108D1-1	NA
191108D1	9	QC191108D1-2	DB	8-NOV-19	18:17:28	ST191108D1-1	NA
191108D1	10	QC191108D1-3	DB	8-NOV-19	19:05:16	ST191108D1-1	NA
191108D1	11	QC191108D1-4	DB	8-NOV-19	19:53:05	ST191108D1-2	NA
191108D1	12	QC191108D1-5	DB	8-NOV-19	20:40:50	ST191108D1-2	NA
191108D1	13	1903584-10RE1	DB	8-NOV-19	21:28:44	ST191108D1-1	NA
191108D1	14	1903580-01RE1	DB	8-NOV-19	22:16:28	ST191108D1-1	NA
191108D1	15	1903430-06RE1	DB	8-NOV-19	23:04:17	ST191108D1-1	NA





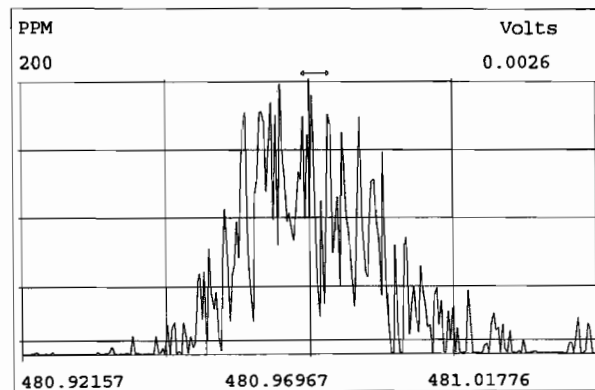
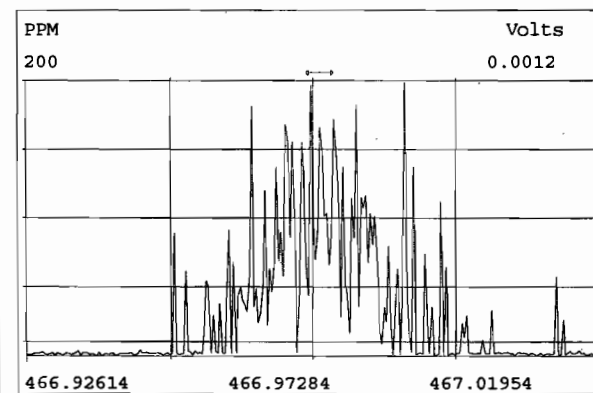
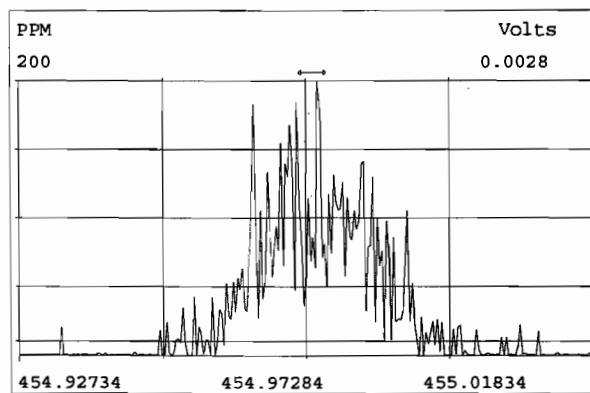
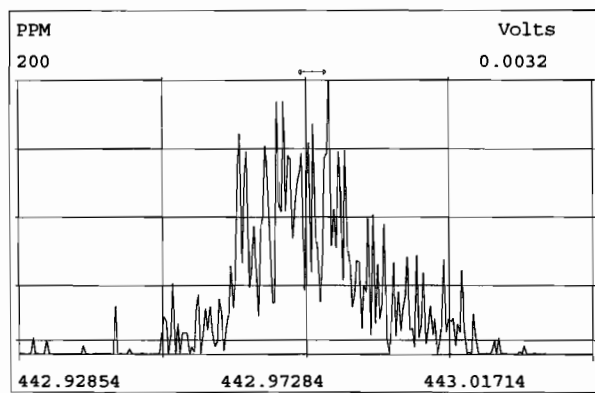
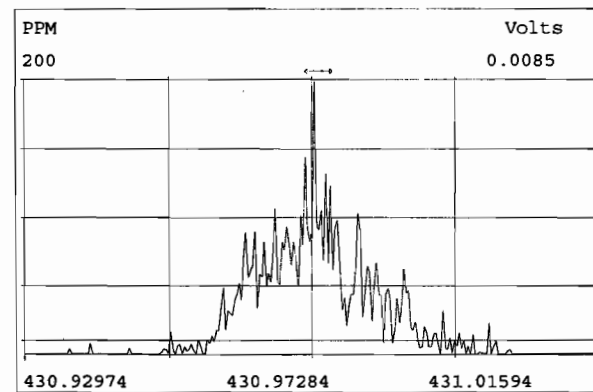
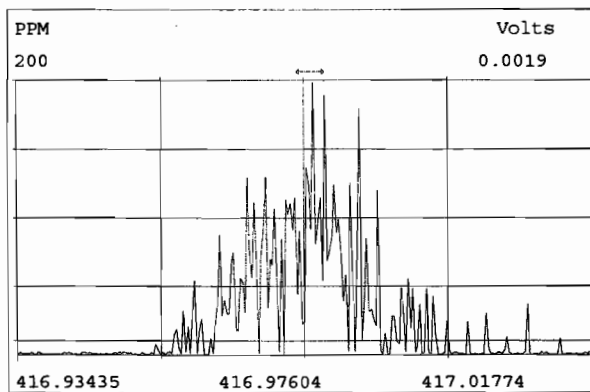
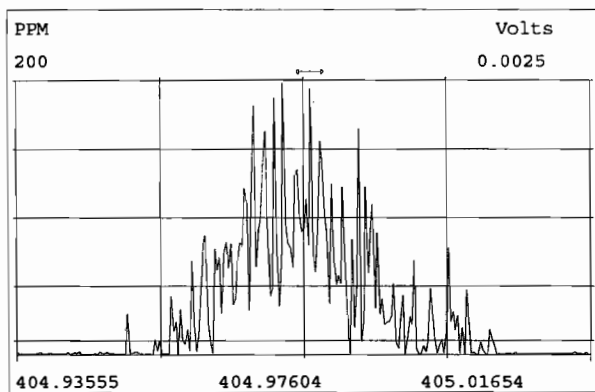
Peak Locate Examination: 8-NOV-2019:11:50 File:191108D1

Experiment:OCDD_DB5 Function:3 Reference:PFK



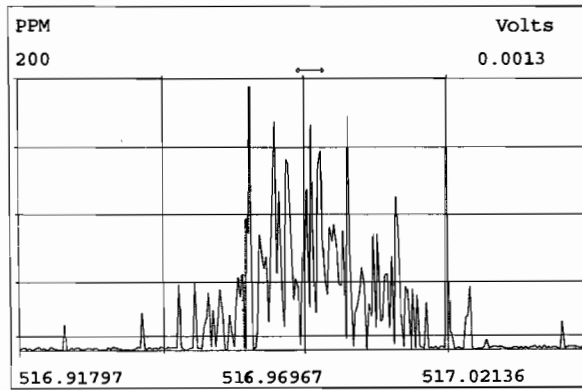
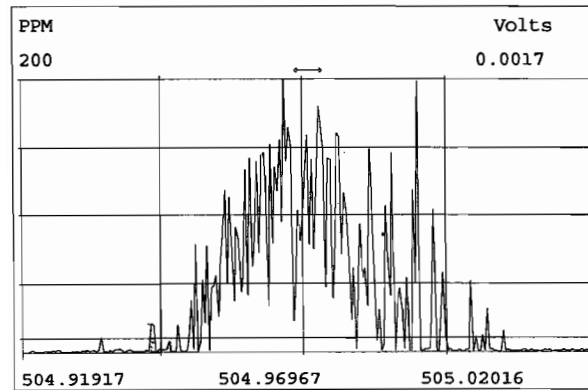
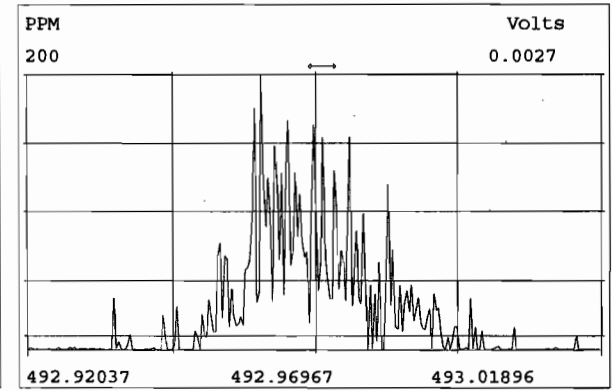
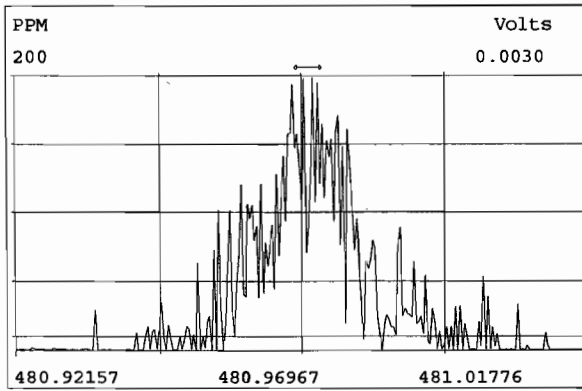
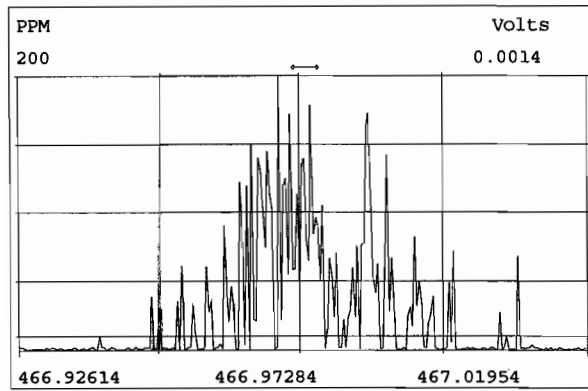
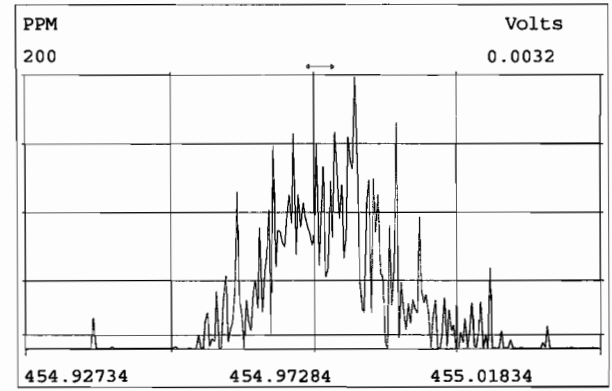
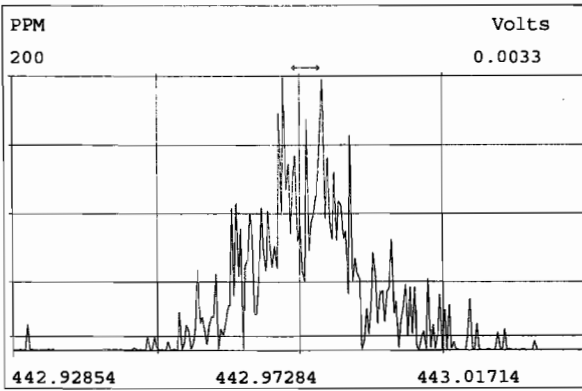
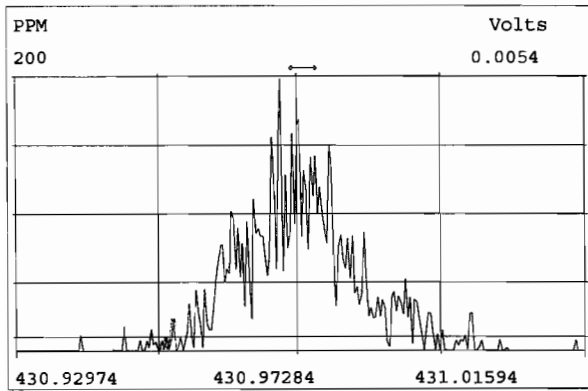
Peak Locate Examination: 8-NOV-2019:11:51 File:191108D1

Experiment:OCDD_DB5 Function:4 Reference:PFK

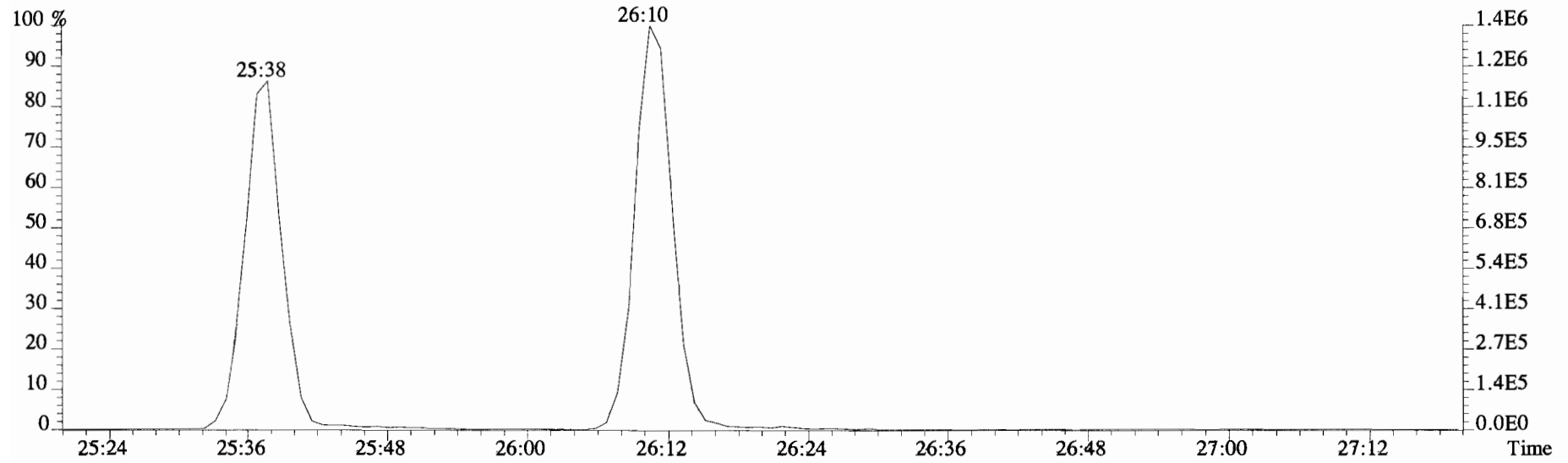
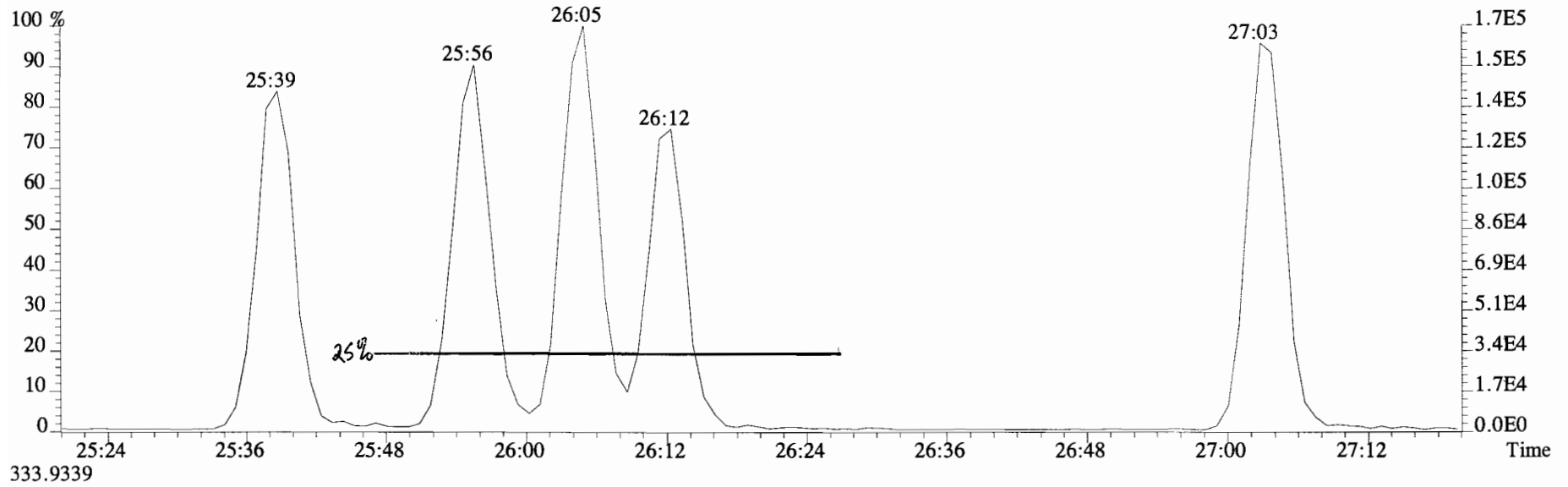


Peak Locate Examination: 8-NOV-2019:11:52 File:191108D1

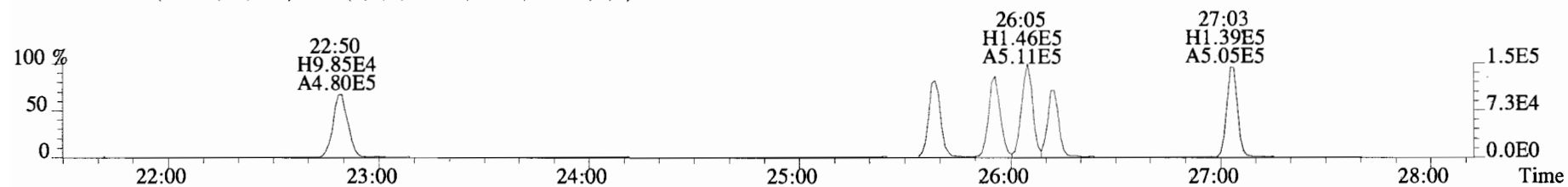
Experiment:OCDD_DB5 Function:5 Reference:PFK



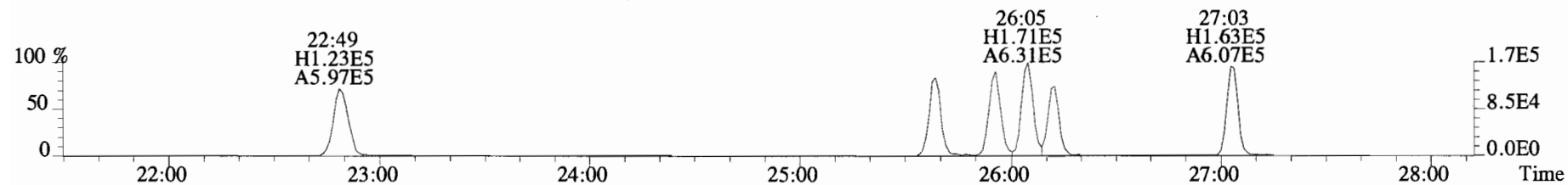
File:191108D1 #1-492 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
321.8936



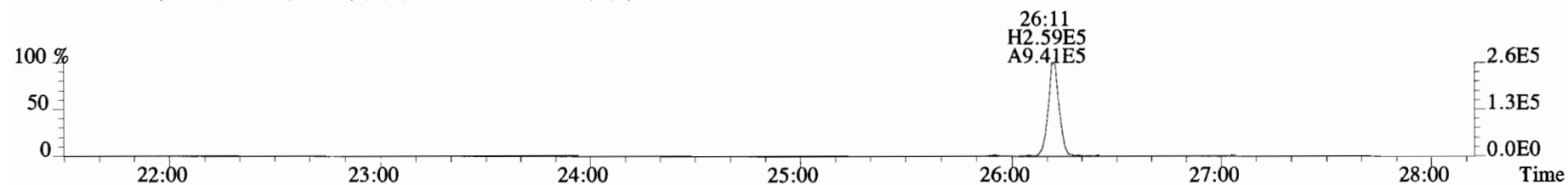
File:191108D1 #1-492 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



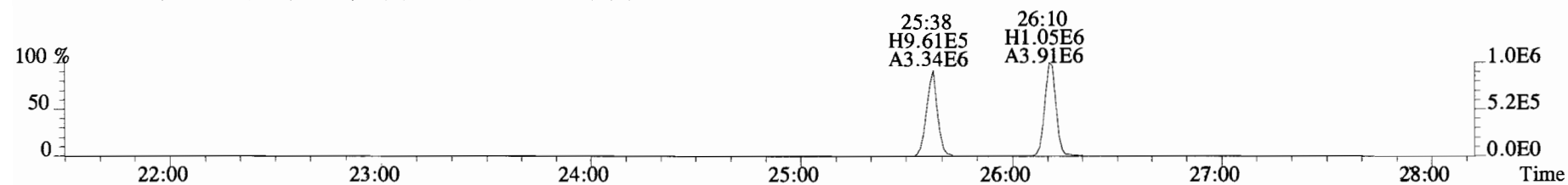
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



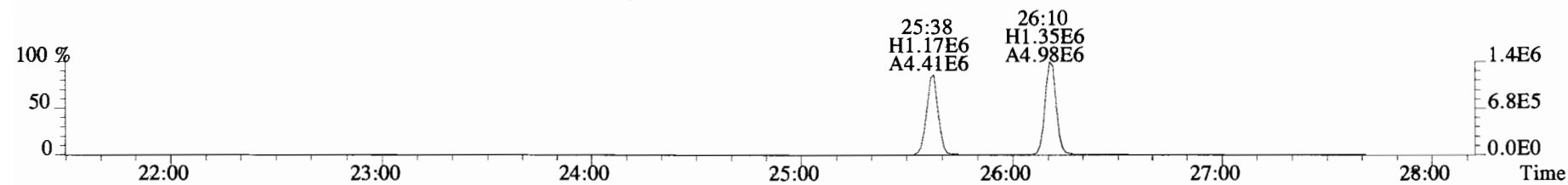
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



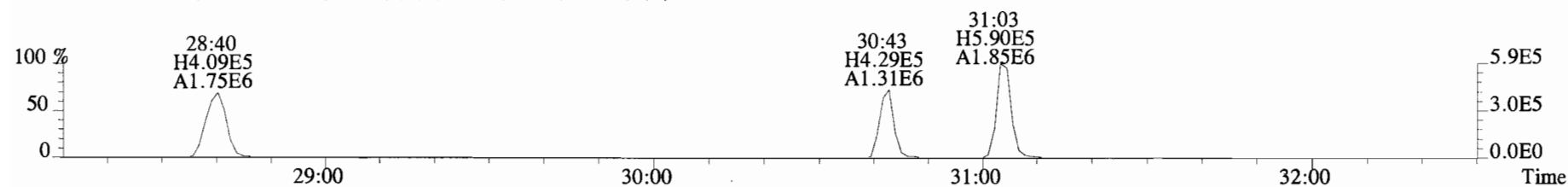
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



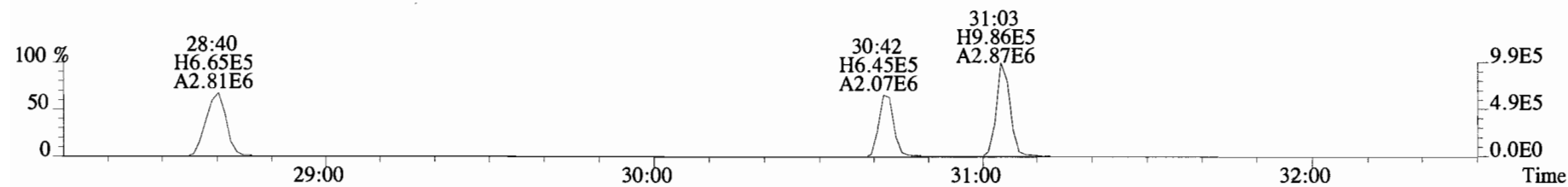
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



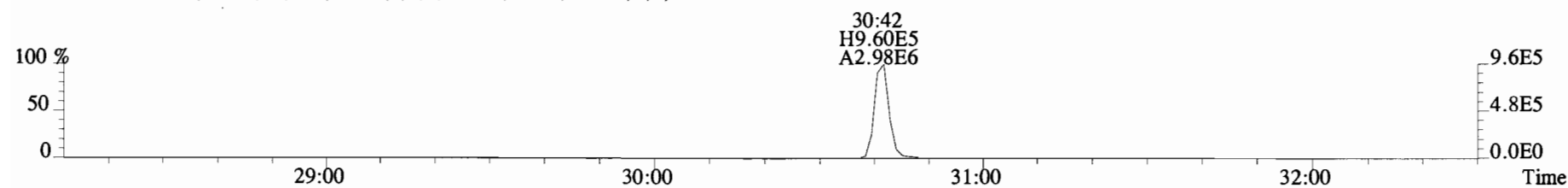
File:191108D1 #1-211 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



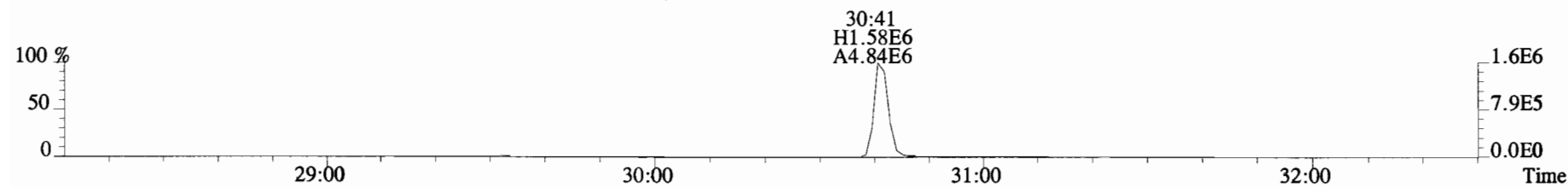
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



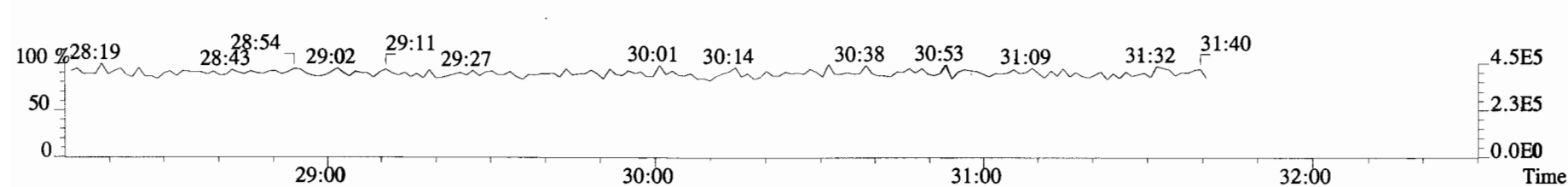
365.8978 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



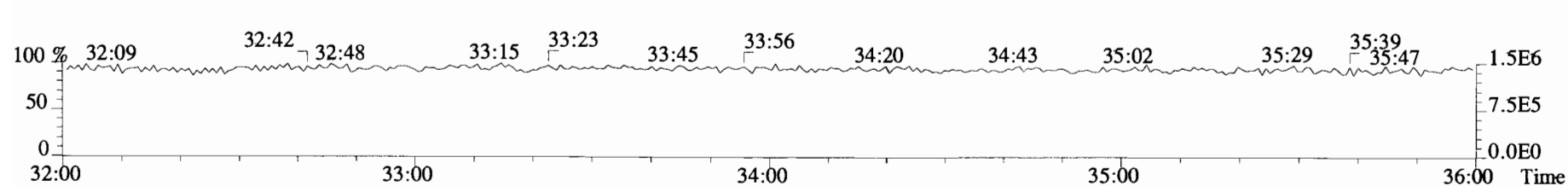
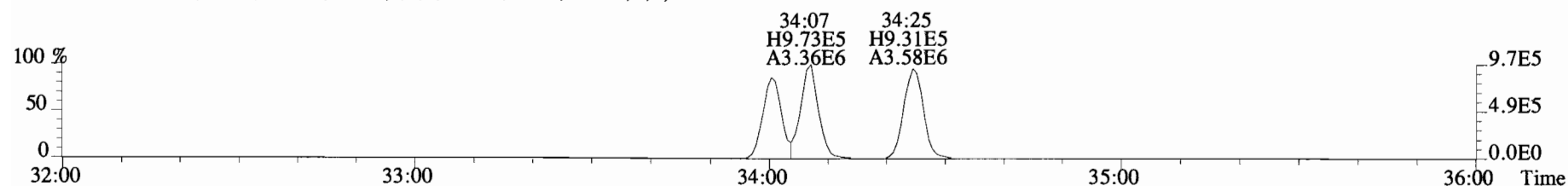
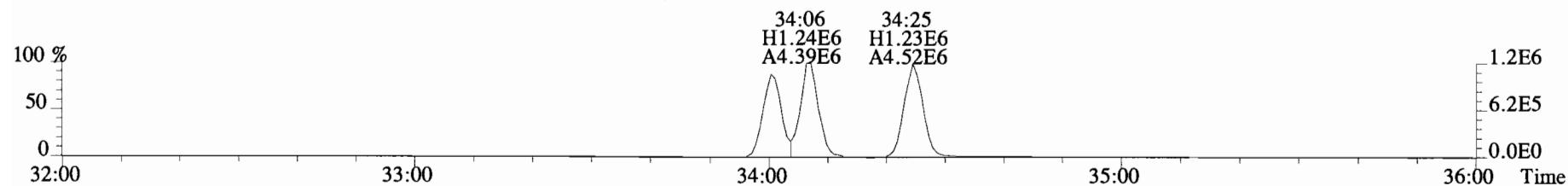
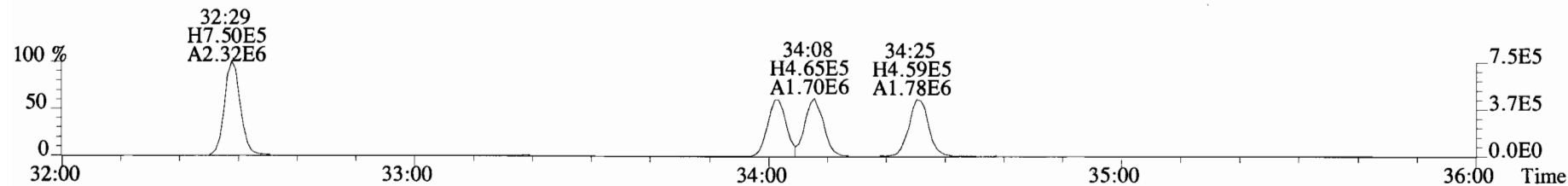
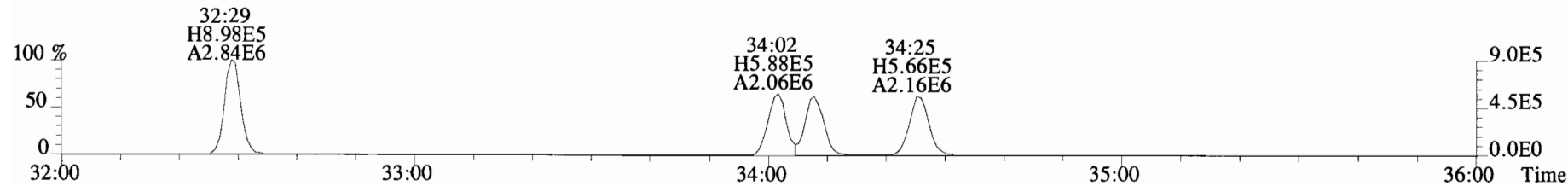
367.8949 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



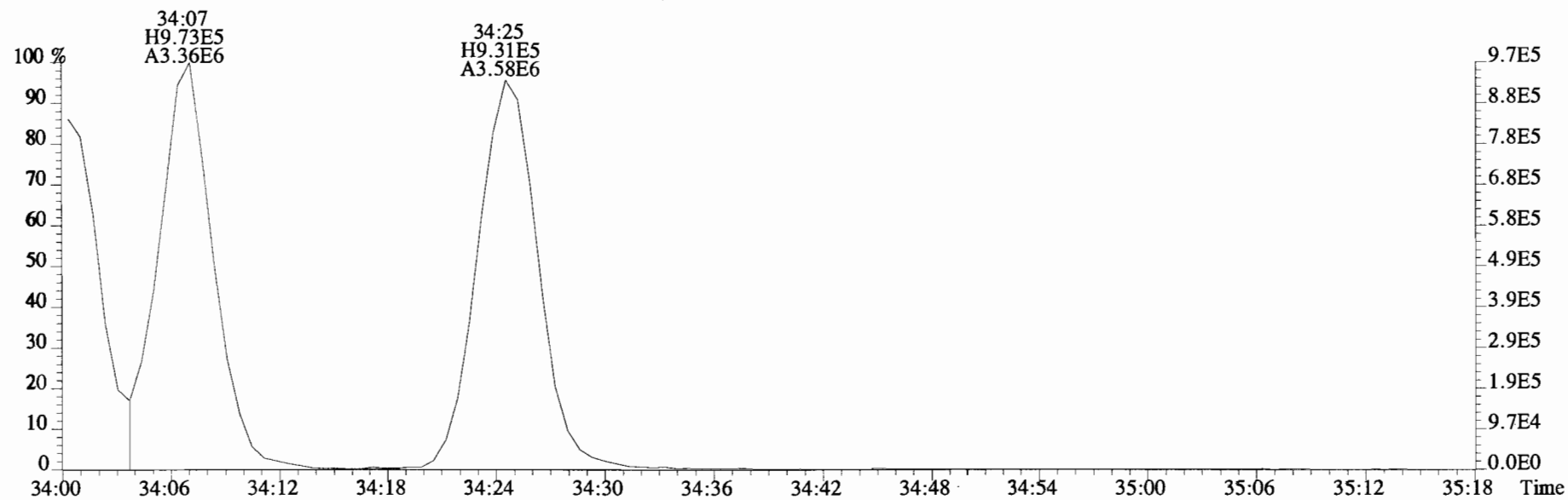
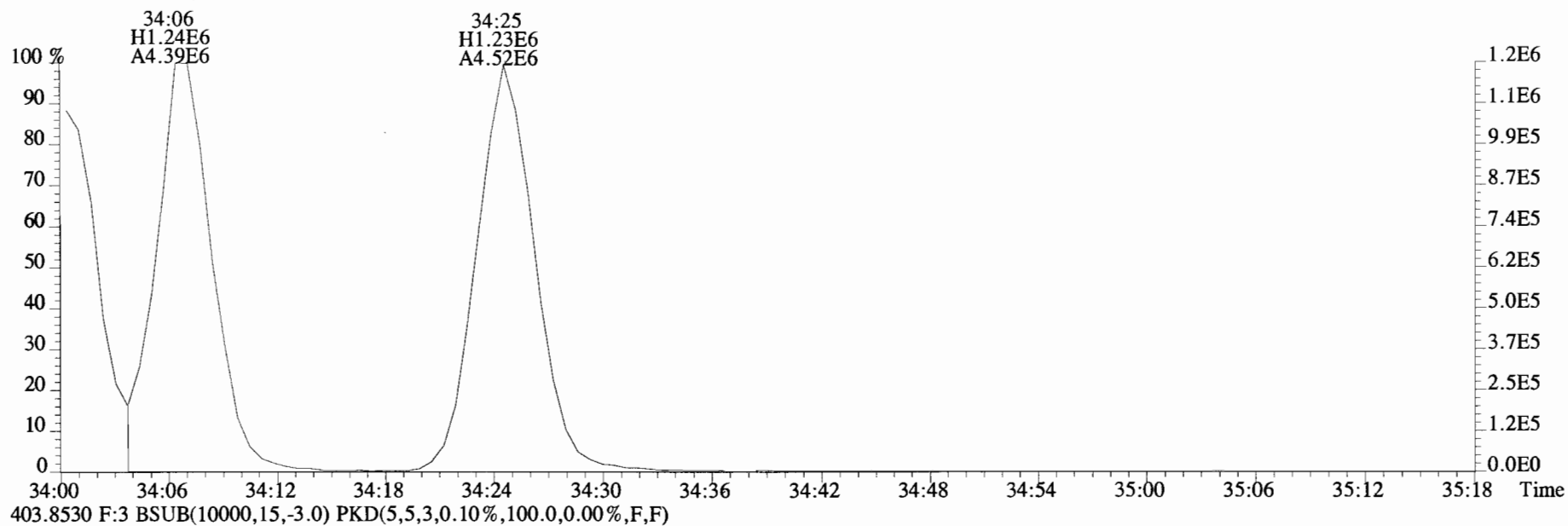
366.9792 F:2



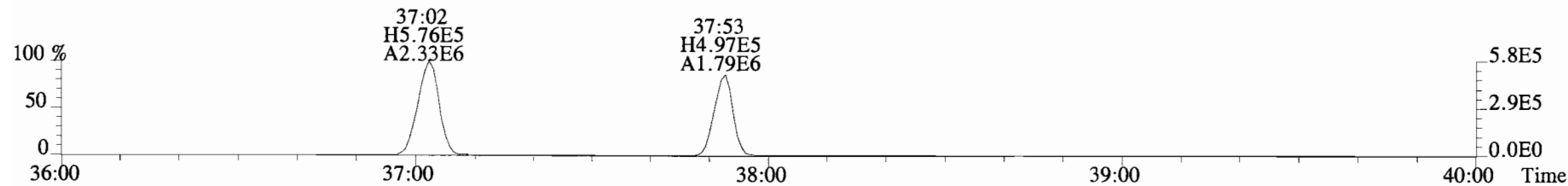
File:191108D1 #1-384 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



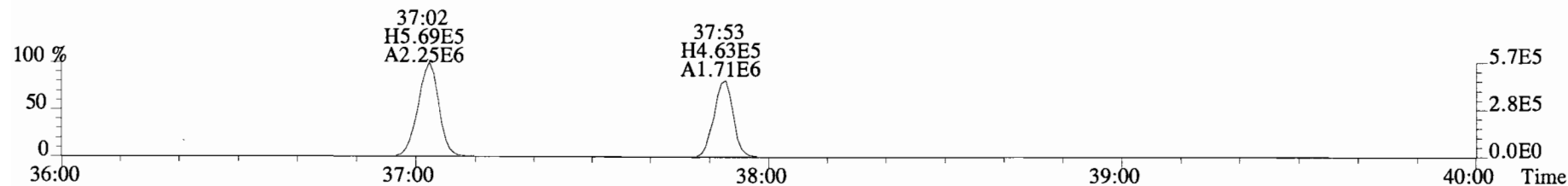
File:191108D1 #1-384 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



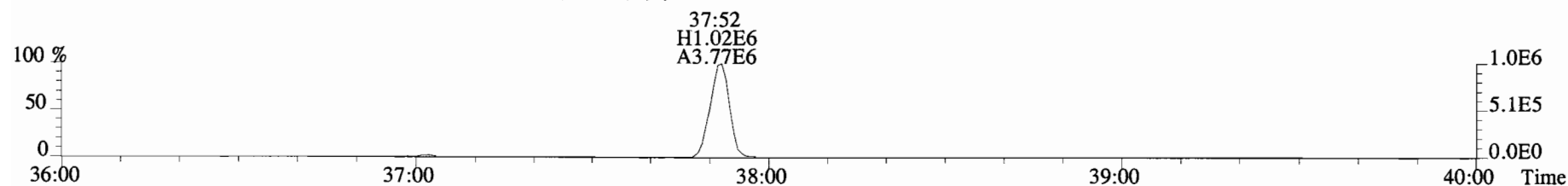
File:191108D1 #1-356 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



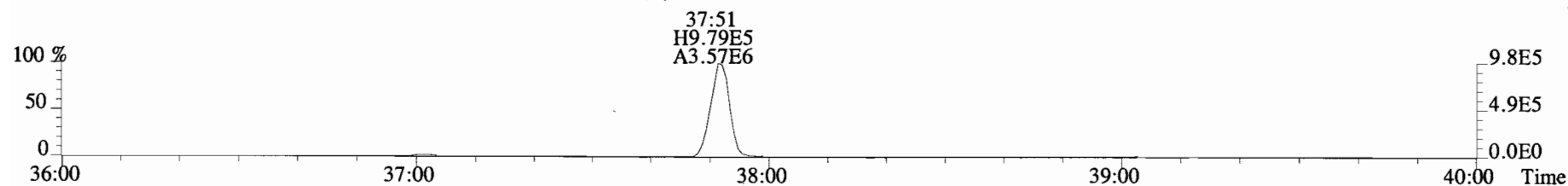
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



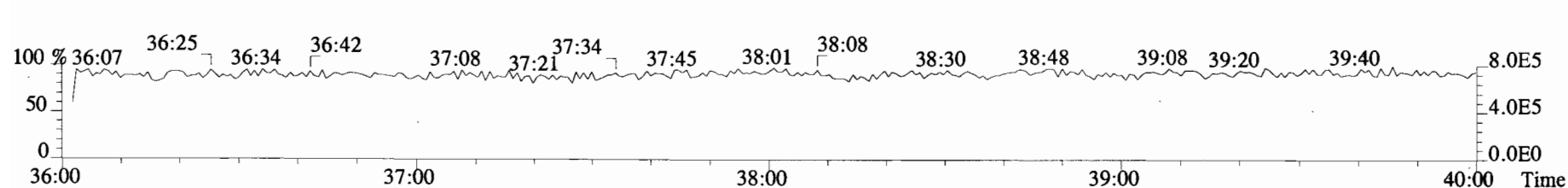
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



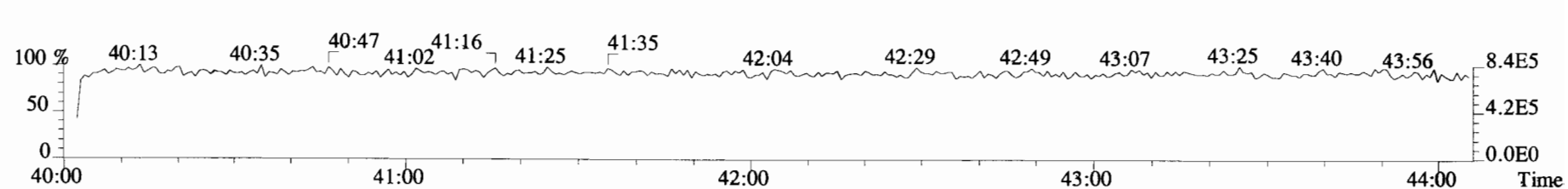
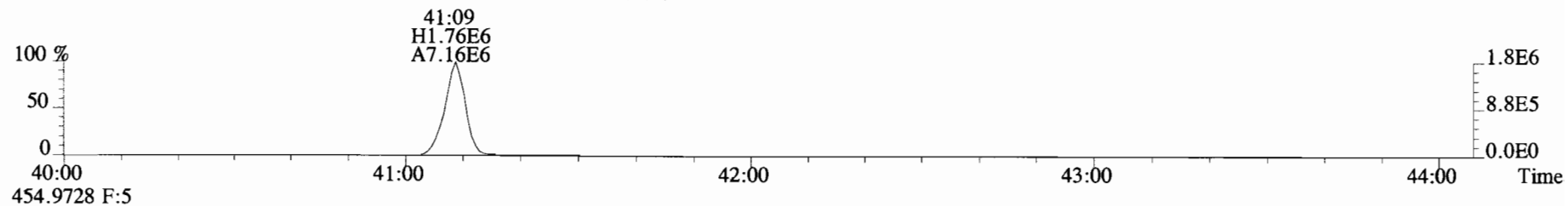
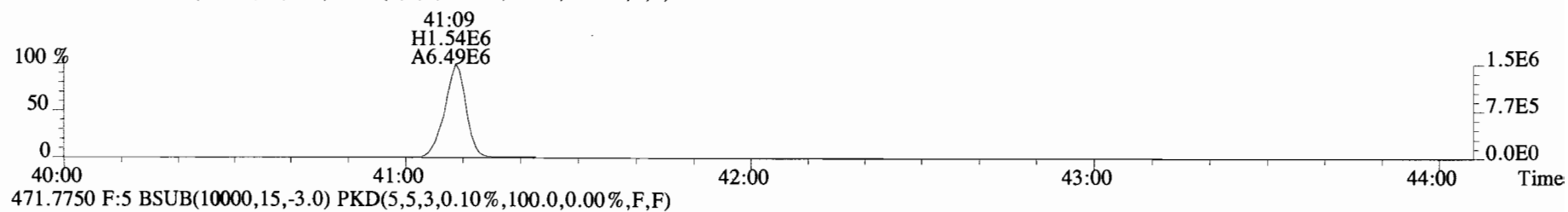
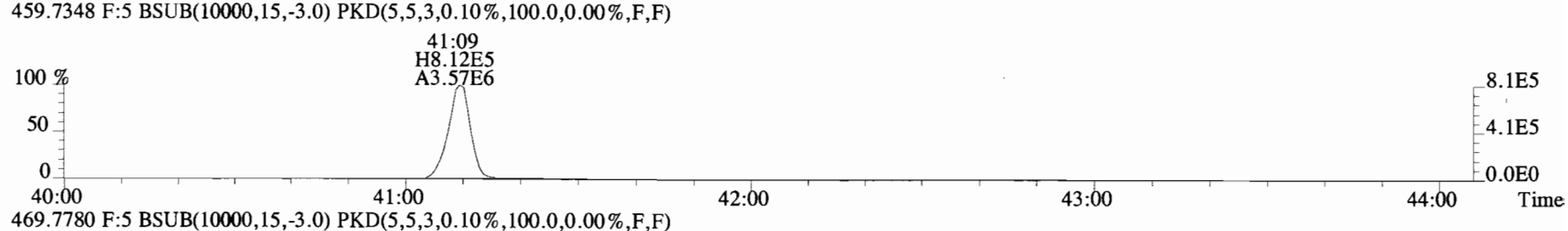
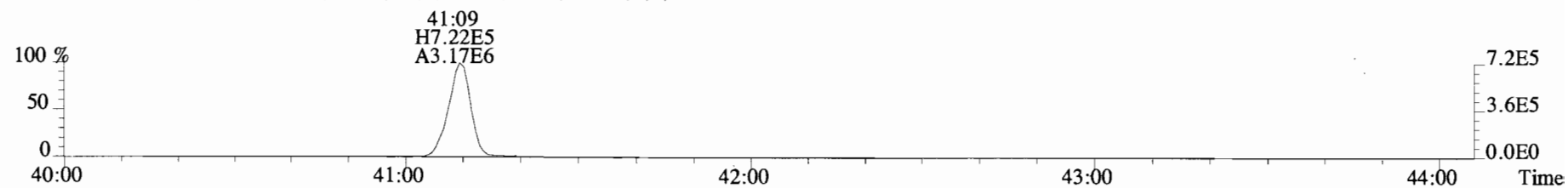
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



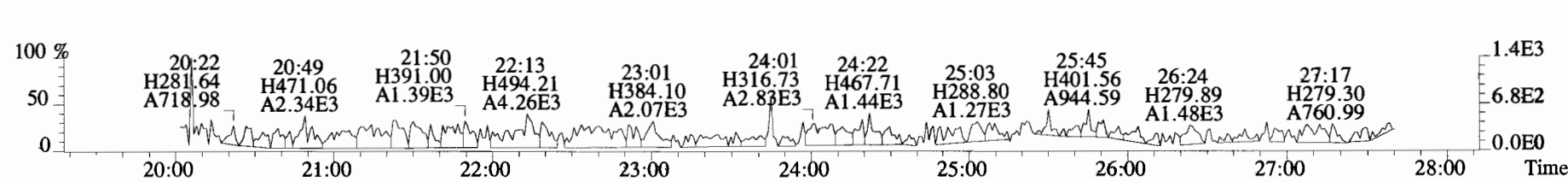
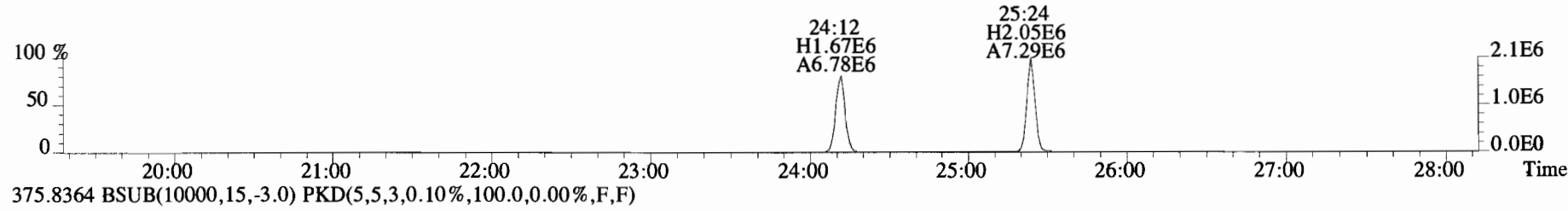
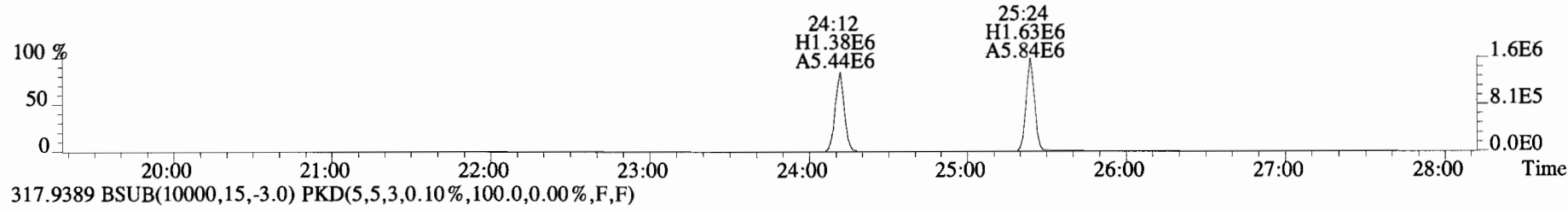
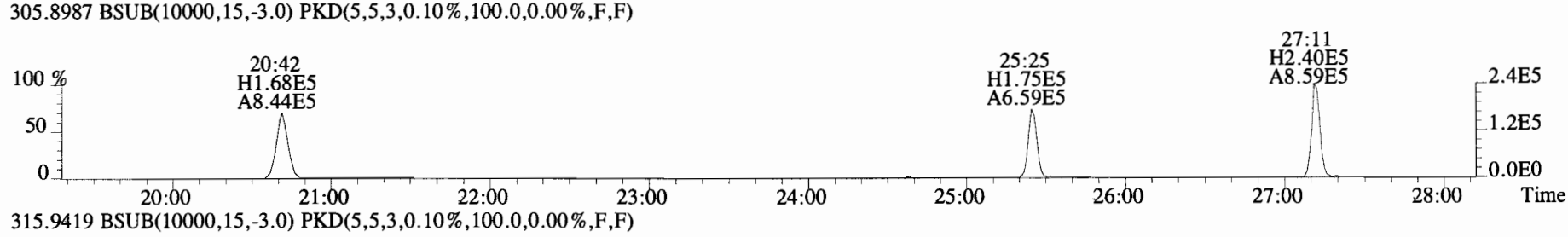
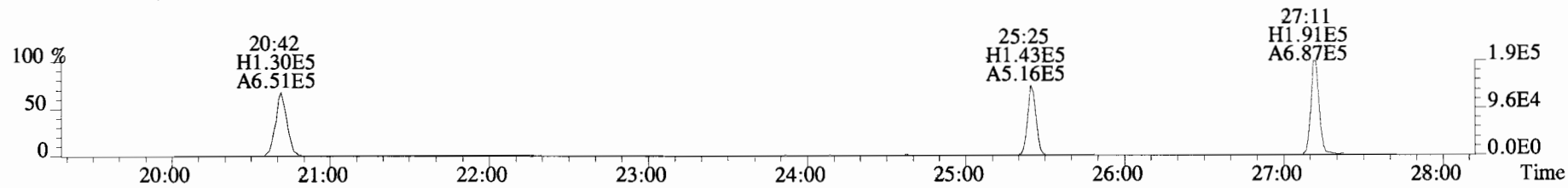
454.9728 F:4



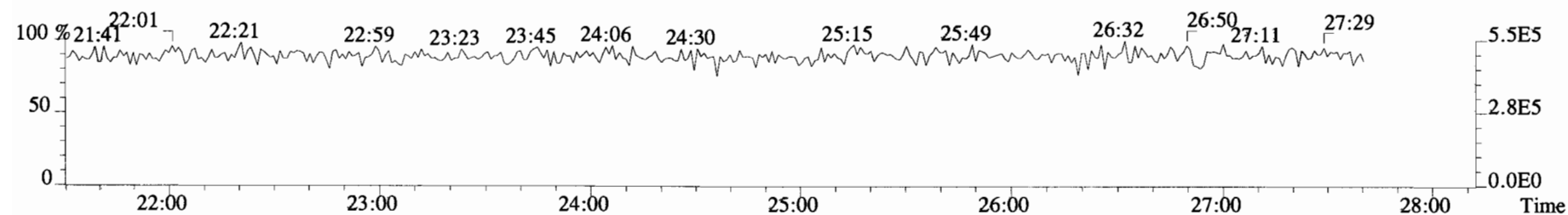
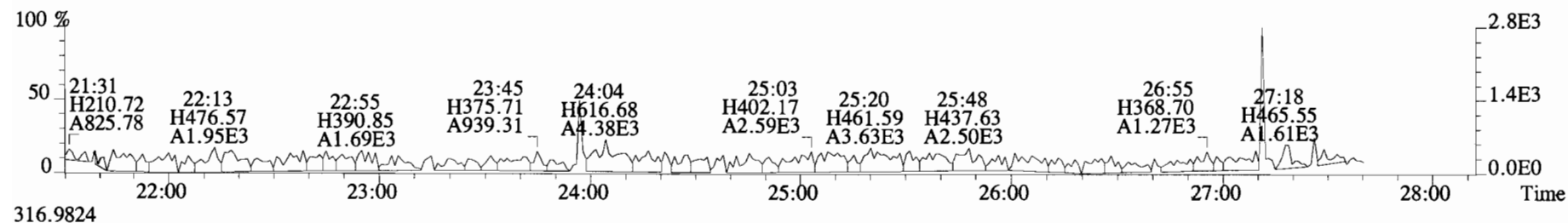
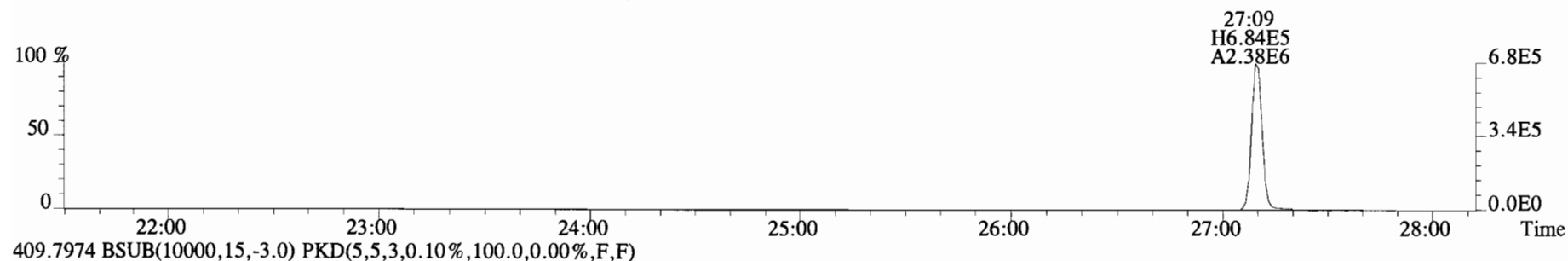
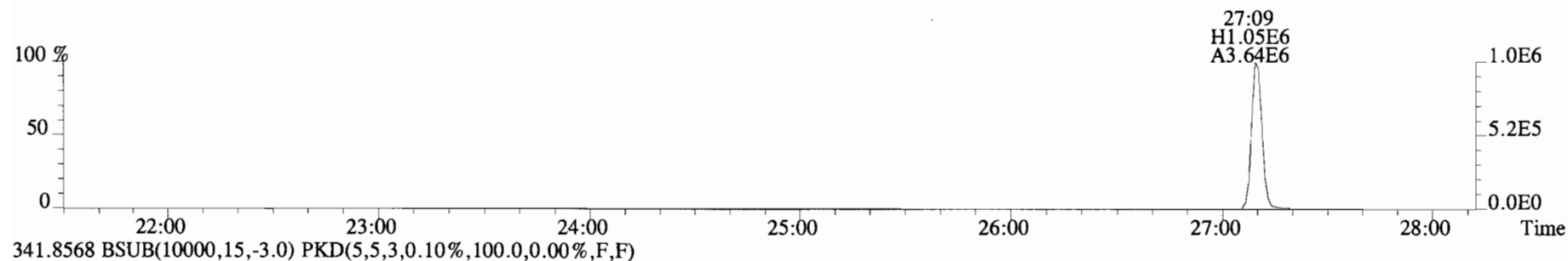
File:191108D1 #1-431 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



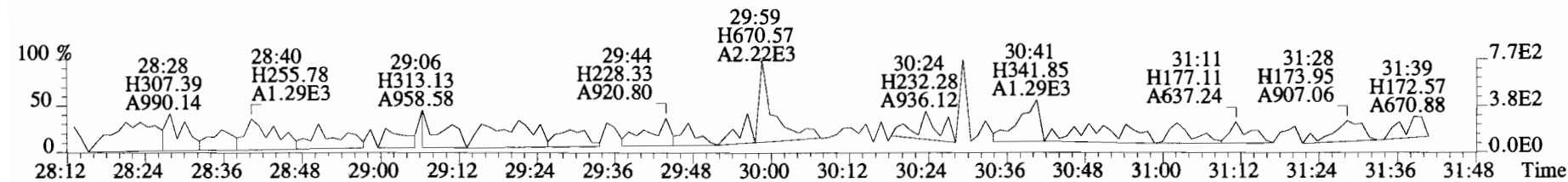
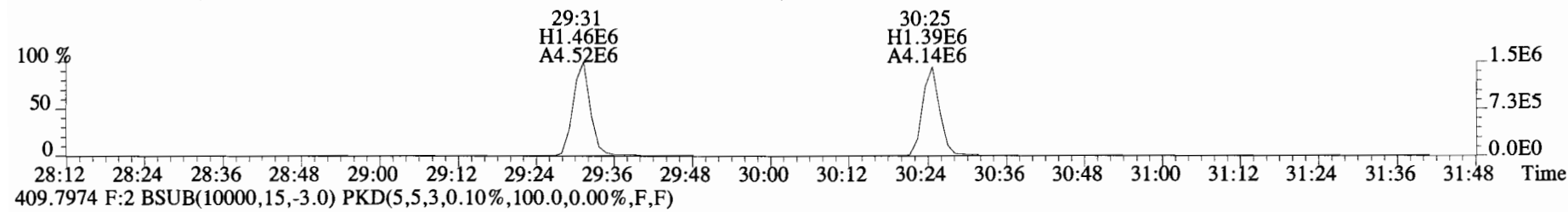
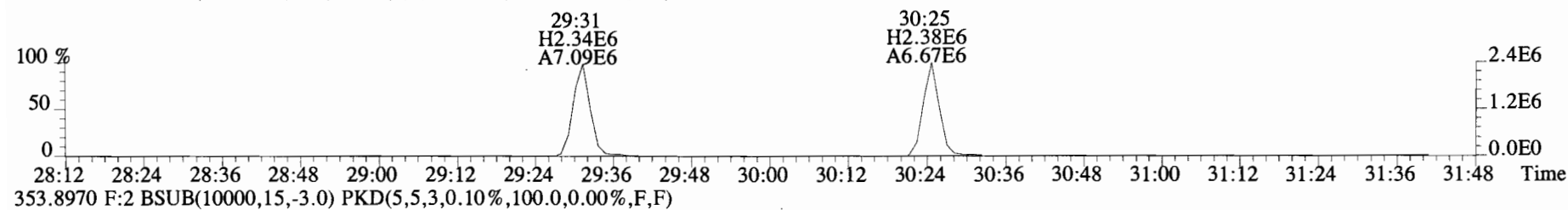
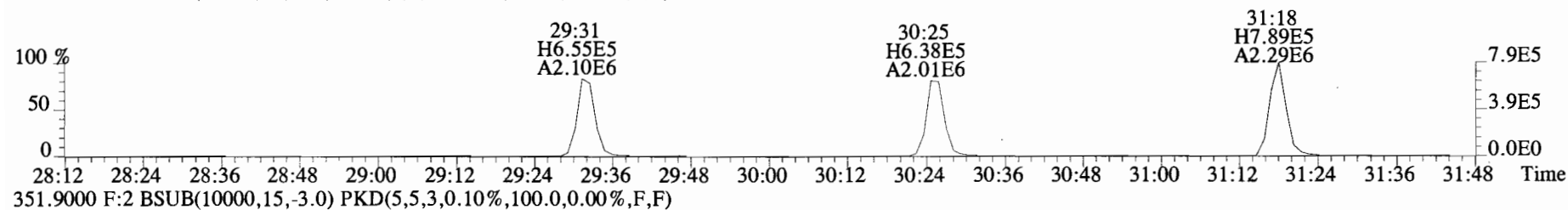
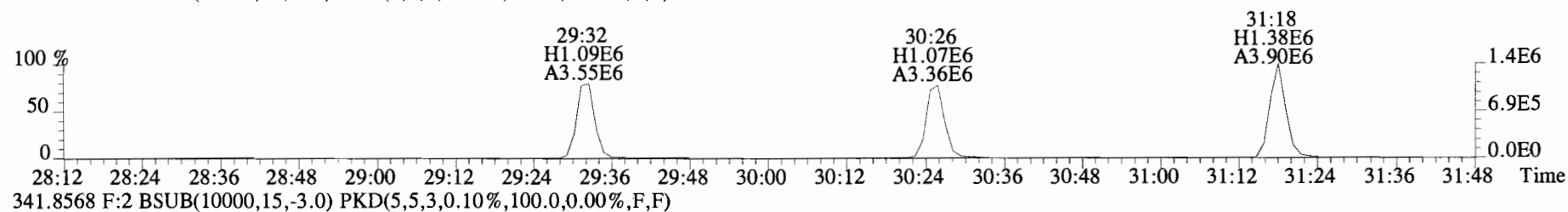
File:191108D1 #1-492 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



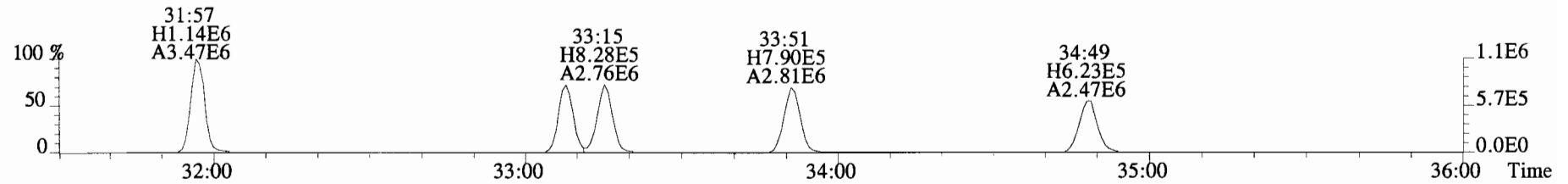
File:191108D1 #1-492 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



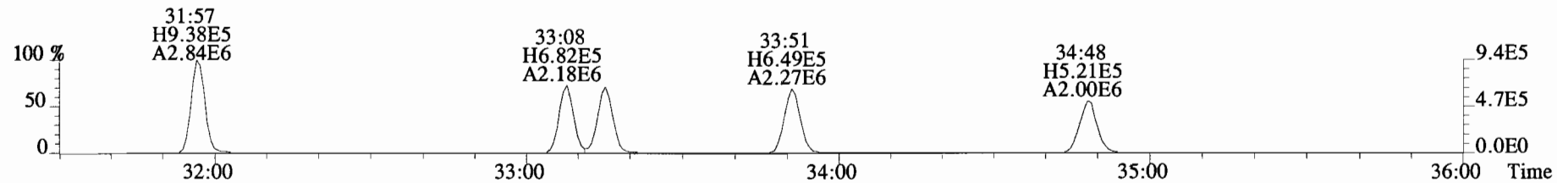
File:191108D1 #1-211 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



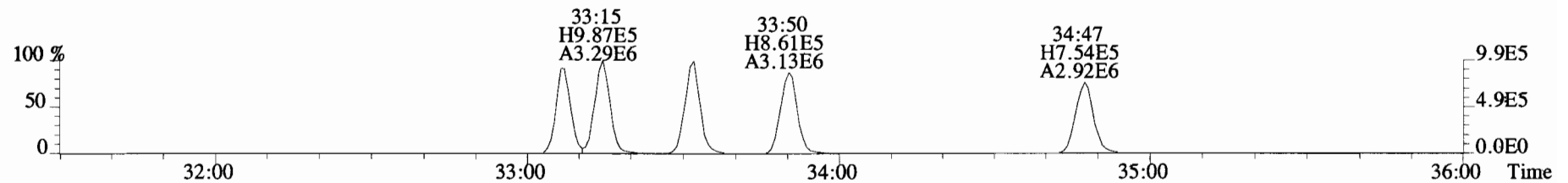
File:191108D1 #1-384 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



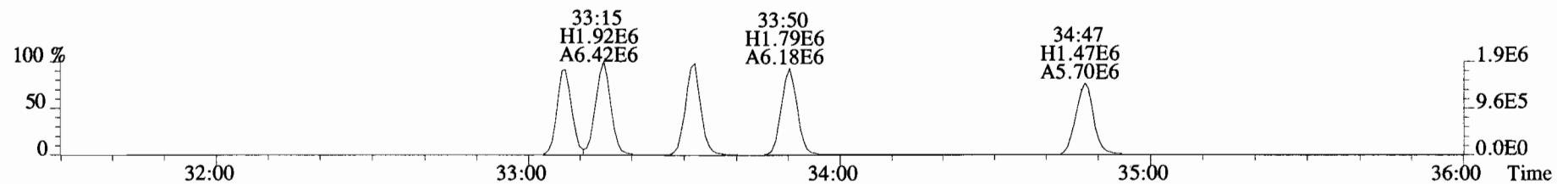
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



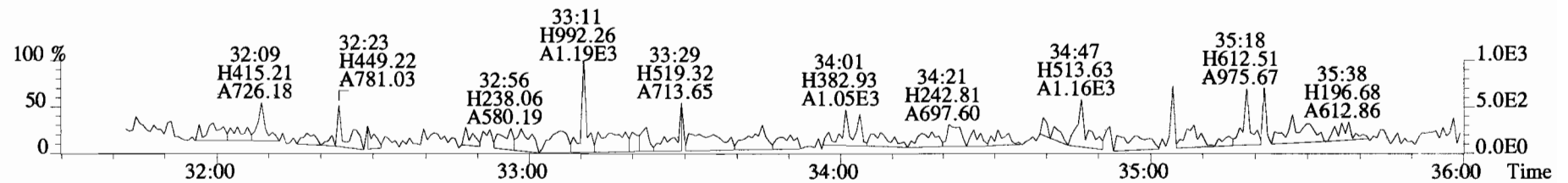
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



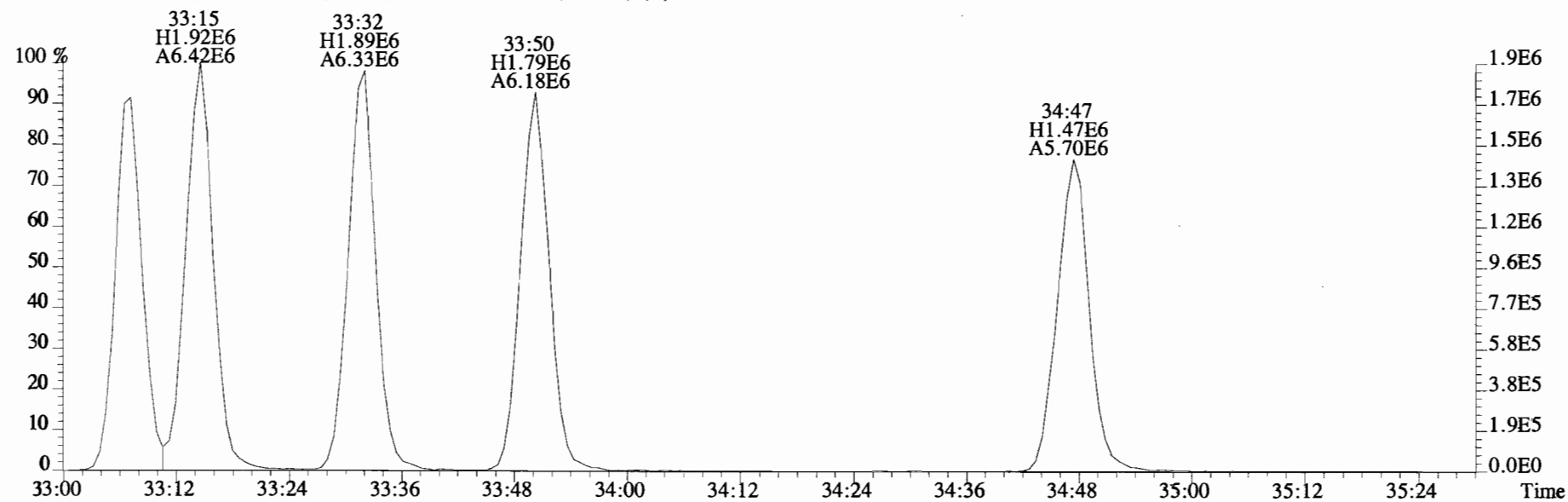
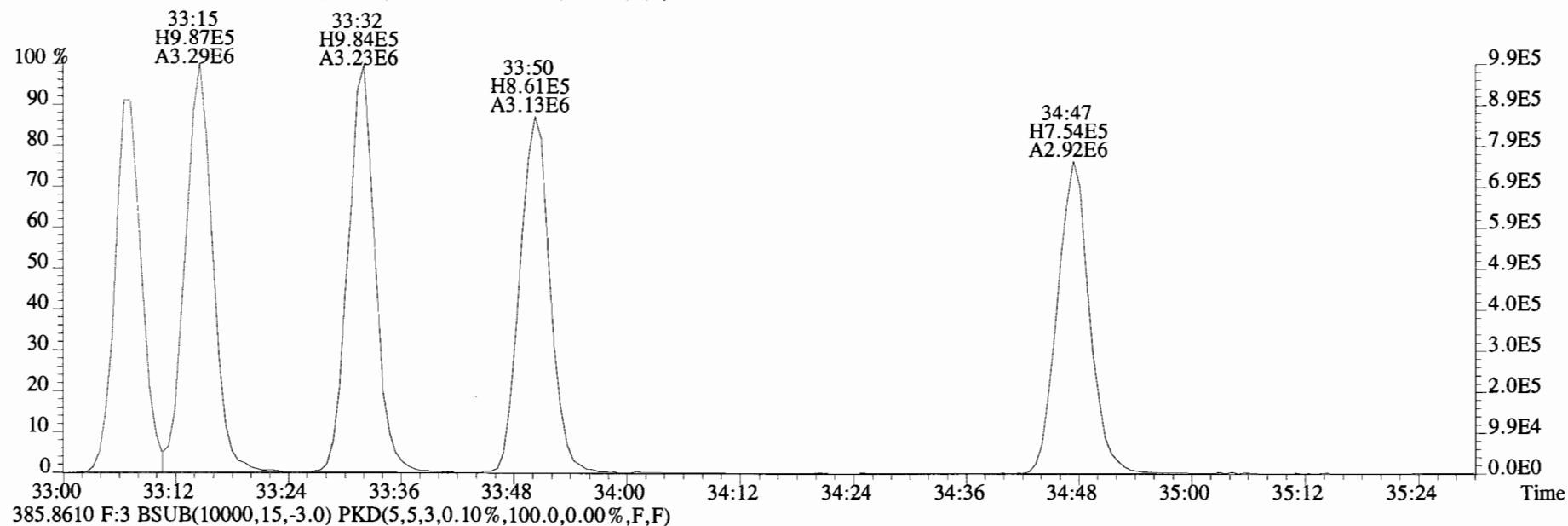
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



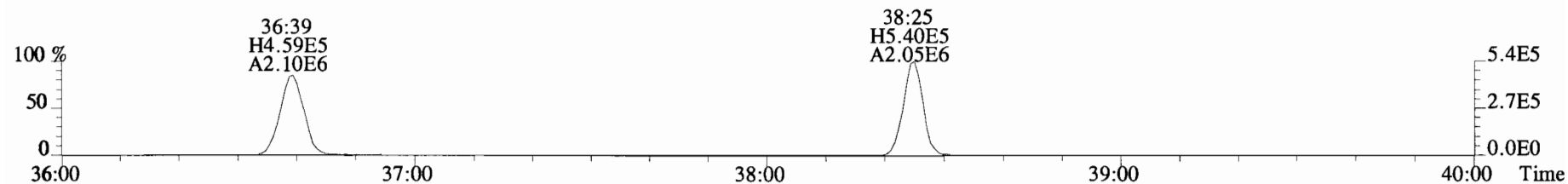
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



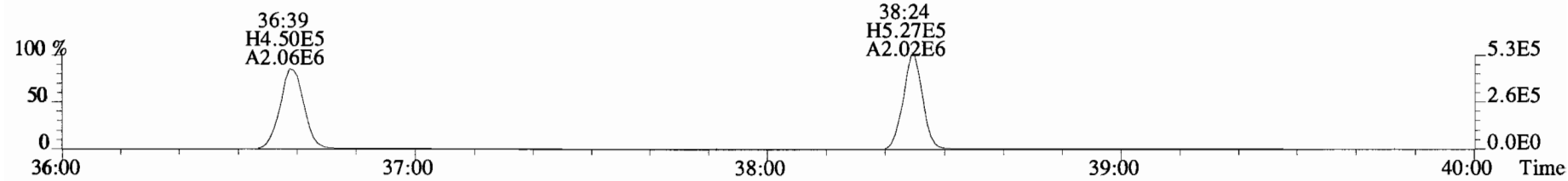
File:191108D1 #1-384 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata Analytical Laboratory VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



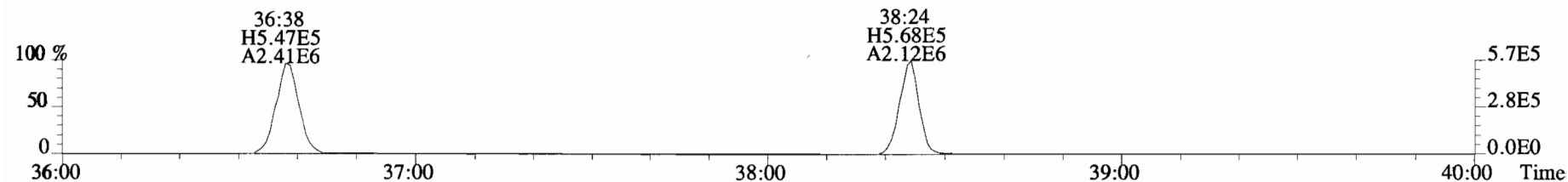
File:191108D1 #1-356 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



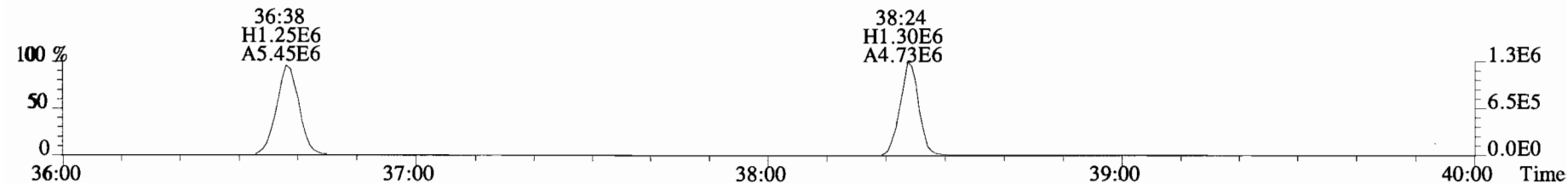
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



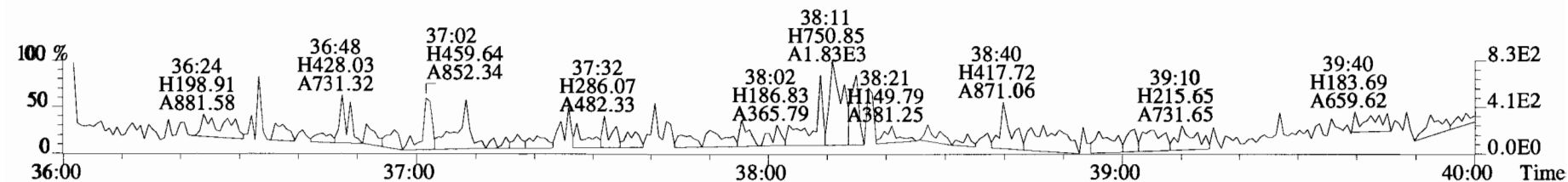
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



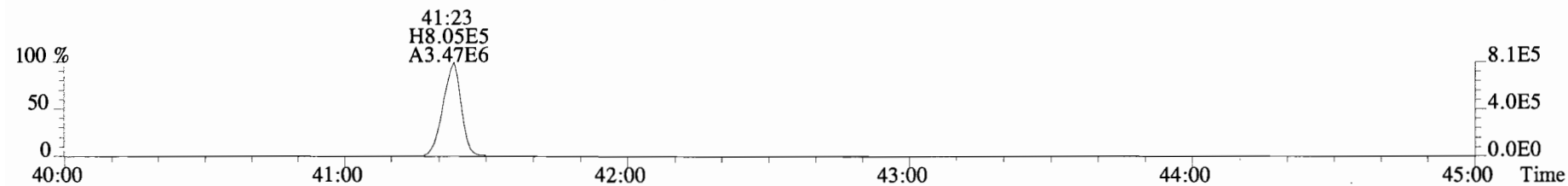
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



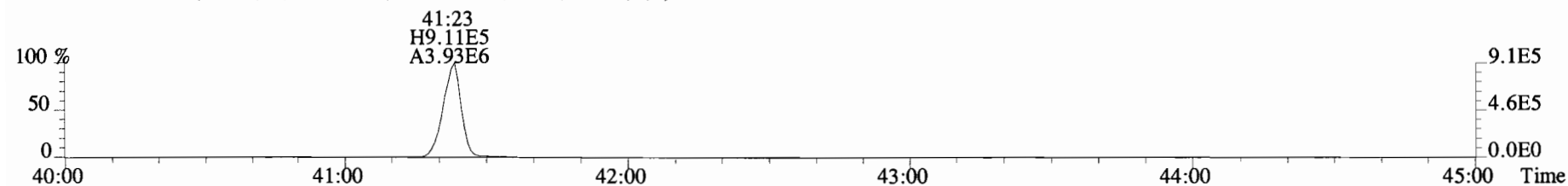
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



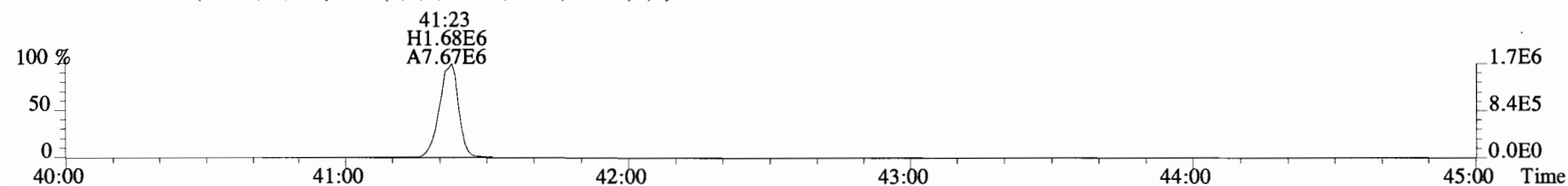
File:191108D1 #1-431 Acq: 8-NOV-2019 11:54:06 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Viata_Analytical_Laboratory_VG7 Text:ST191108D1-1 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



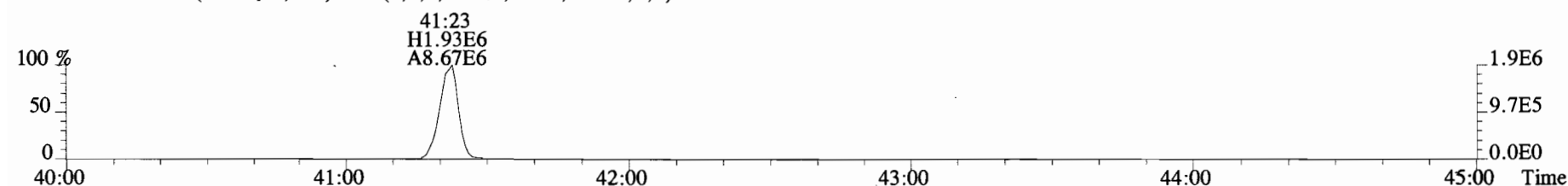
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



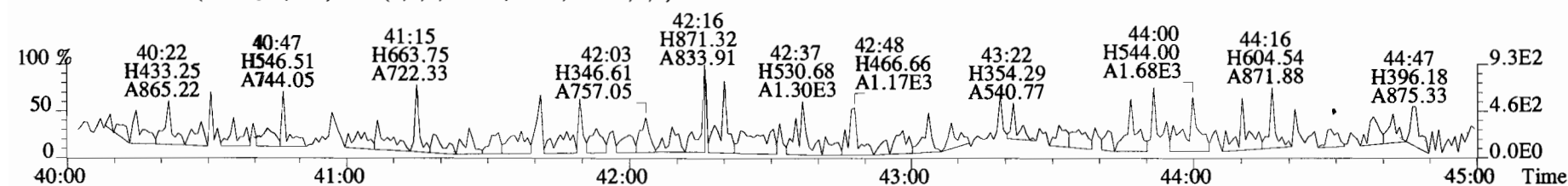
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



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

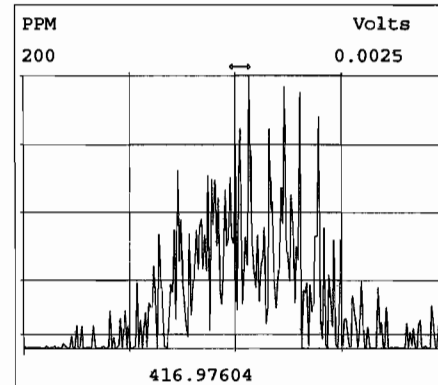
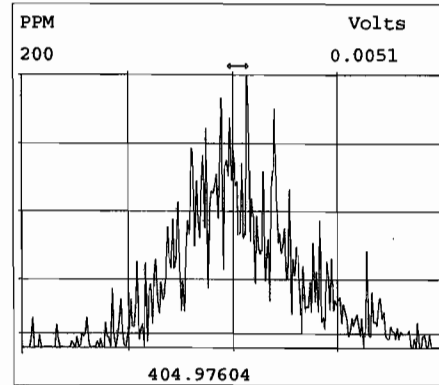
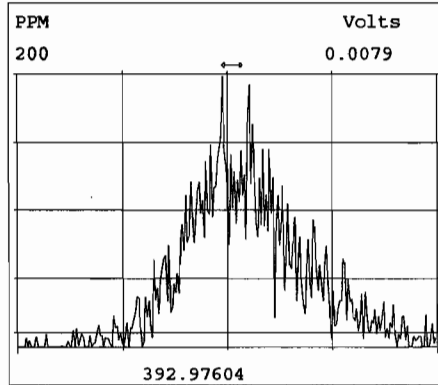
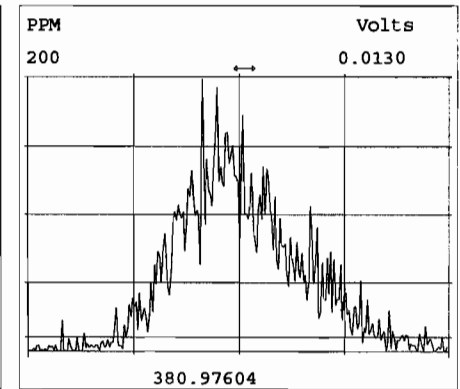
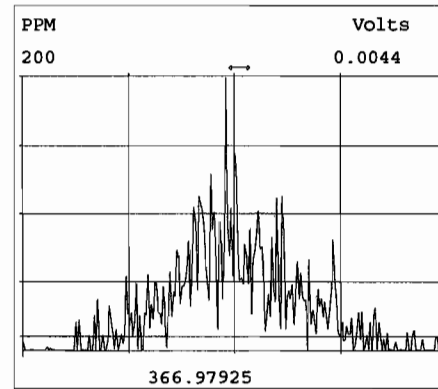
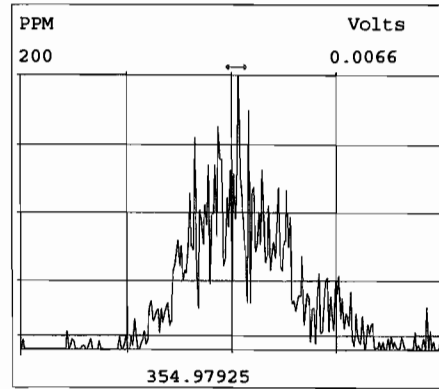
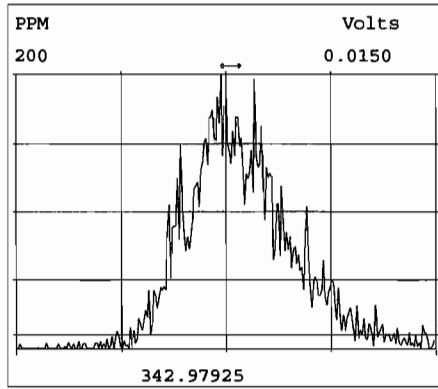
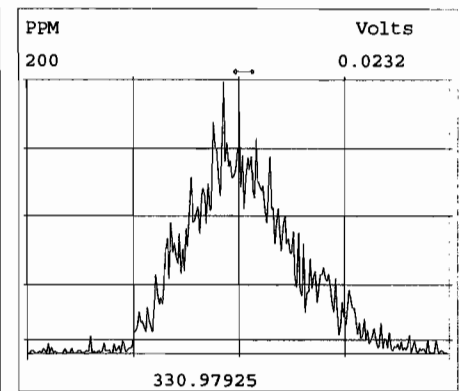
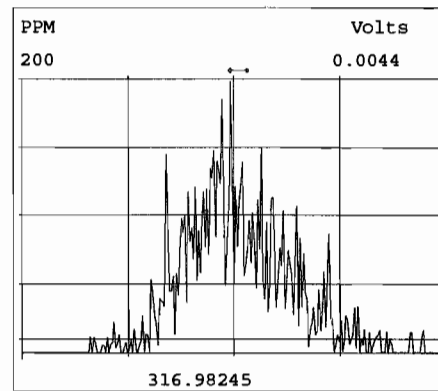
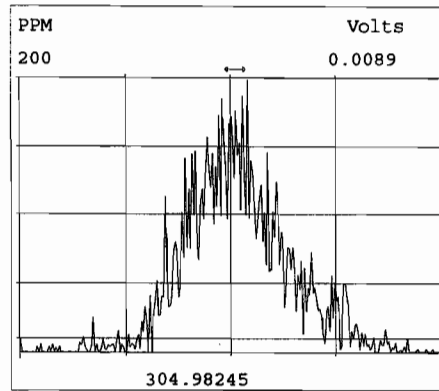
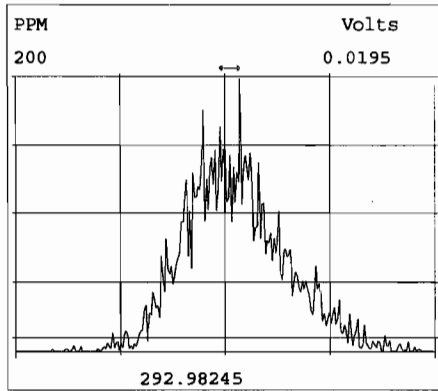


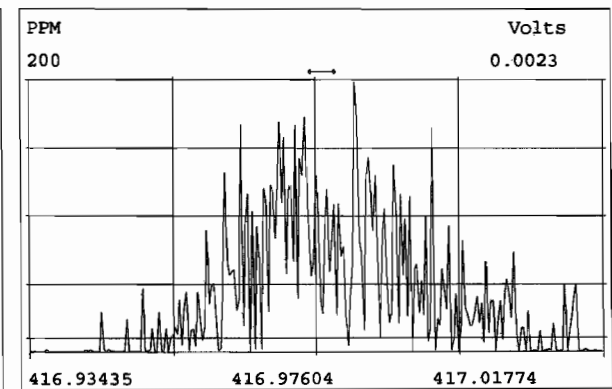
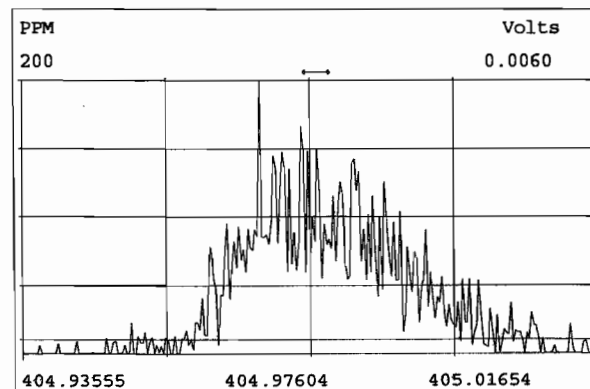
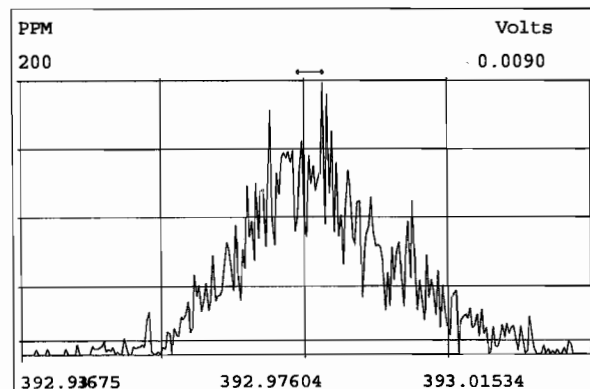
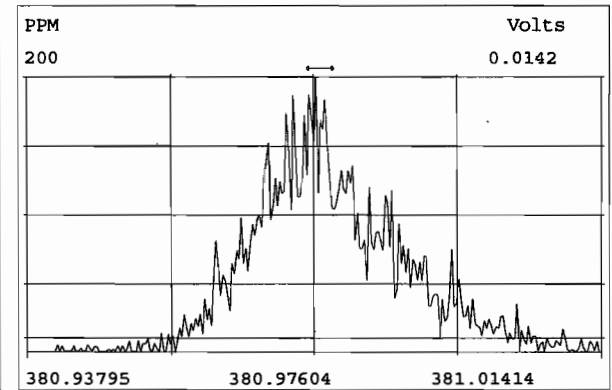
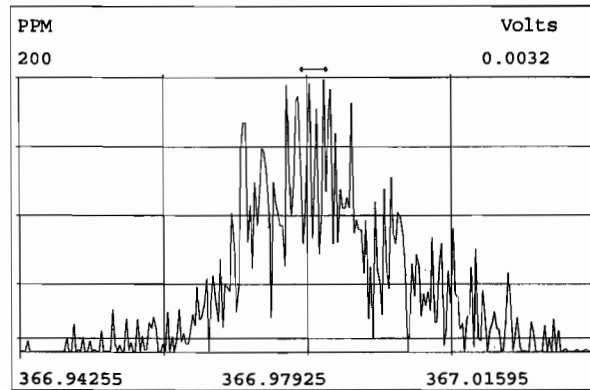
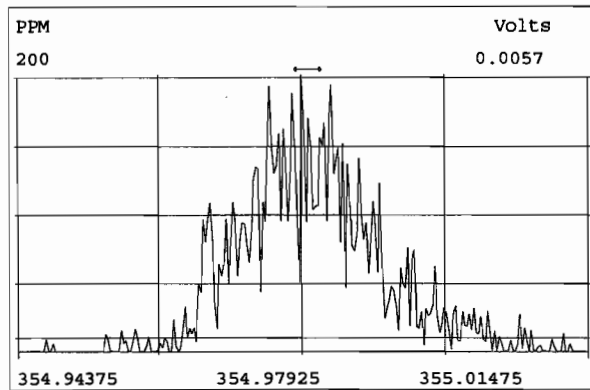
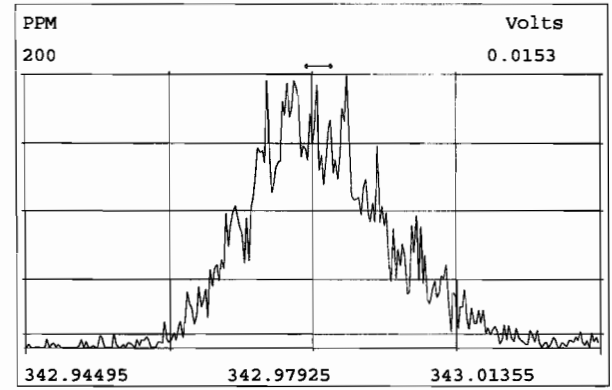
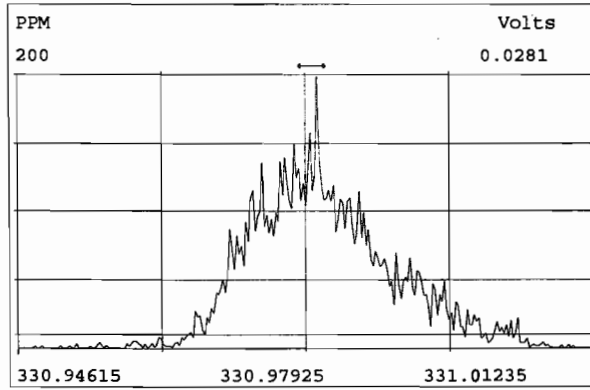
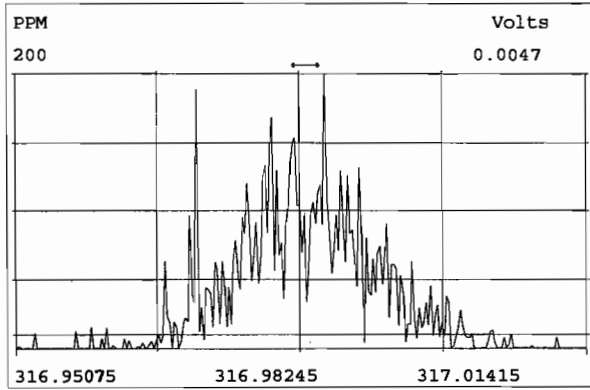
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



Peak Locate Examination: 9-NOV-2019:00:01 File:RES_CHECK

Experiment:OCDD_DB5 Function:1 Reference:PFK





HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191217163-1

Reviewed By: GAB 12/19/19

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>He</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>He</u>	

Mass resolution ≥

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

Comments:

Ⓐ one mass did not centroid

<u>Beg.</u>	<u>End</u>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> NA
<input checked="" type="checkbox"/>	<input type="checkbox"/> NA

Dataset: U:\VG11.PRO\Results\191217K3\191217K3-2.qld

Last Altered: Wednesday, December 18, 2019 18:16:15 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:16:32 Pacific Standard Time

HC 12/18/19

GRB 12/19/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	3.22e4	3.31e5	0.80	NO	0.925	26.18	26.18	NO	1.001	1.001	10.511	105	NO
2	1,2,3,7,8-PeCDD	9.90e4	2.13e5	0.63	NO	0.905	31.33	31.33	NO	1.001	1.001	51.499	103	NO
3	1,2,3,4,7,8-HxCDD	9.03e4	1.60e5	1.26	NO	1.07	34.67	34.67	NO	1.000	1.000	52.816	106	NO
4	1,2,3,6,7,8-HxCDD	1.01e5	1.94e5	1.24	NO	0.967	34.76	34.77	NO	1.000	1.000	53.907	108	NO
5	1,2,3,7,8,9-HxCDD	8.24e4	1.67e5	1.20	NO	0.978	35.07	35.05	NO	1.001	1.001	50.441	101	NO
6	1,2,3,4,6,7,8-HpCDD	6.33e4	1.24e5	1.03	NO	1.04	38.55	38.55	NO	1.000	1.000	49.410	98.8	NO
7	OCDD	1.07e5	2.12e5	0.87	NO	0.972	41.81	41.82	NO	1.000	1.000	103.77	104	NO
8	2,3,7,8-TCDF	5.01e4	4.99e5	0.79	NO	0.938	25.20	25.19	NO	1.001	1.001	10.705	107	NO
9	1,2,3,7,8-PeCDF	1.83e5	3.54e5	1.69	NO	0.976	30.02	30.02	NO	1.001	1.001	52.888	106	NO
10	2,3,4,7,8-PeCDF	1.74e5	3.21e5	1.55	NO	1.00	31.02	31.01	NO	1.001	1.001	54.076	108	NO
11	1,2,3,4,7,8-HxCDF	1.51e5	2.35e5	1.25	NO	1.24	33.80	33.81	NO	1.000	1.000	51.767	104	NO
12	1,2,3,6,7,8-HxCDF	1.75e5	2.96e5	1.22	NO	1.10	33.92	33.92	NO	1.000	1.000	53.912	108	NO
13	1,2,3,4,6,7,8-HxCDF	1.61e5	2.46e5	1.21	NO	1.18	34.52	34.50	NO	1.001	1.001	55.499	111	NO
14	1,2,3,7,8,9-HxCDF	1.23e5	2.11e5	1.19	NO	1.07	35.37	35.38	NO	1.000	1.000	54.366	109	NO
15	1,2,3,4,6,7,8-HpCDF	1.21e5	1.99e5	1.09	NO	1.13	37.15	37.13	NO	1.001	1.000	53.743	107	NO
16	1,2,3,4,7,8,9-HpCDF	9.09e4	1.36e5	1.04	NO	1.26	39.15	39.16	NO	1.000	1.000	52.891	106	NO
17	OCDF	1.56e5	2.99e5	0.92	NO	1.10	42.00	42.01	NO	1.000	1.000	94.818	94.8	NO
18	13C-2,3,7,8-TCDD	3.31e5	3.22e5	0.78	NO	1.05	26.16	26.15	NO	1.027	1.027	98.008	98.0	NO
19	13C-1,2,3,7,8-PeCDD	2.13e5	3.22e5	0.65	NO	0.743	31.31	31.31	NO	1.230	1.229	88.801	88.8	NO
20	13C-1,2,3,4,7,8-HxCDD	1.60e5	2.89e5	1.24	NO	0.646	34.66	34.66	NO	1.014	1.014	85.637	85.6	NO
21	13C-1,2,3,6,7,8-HxCDD	1.94e5	2.89e5	1.23	NO	0.777	34.76	34.76	NO	1.017	1.017	86.585	86.6	NO
22	13C-1,2,3,7,8,9-HxCDD	1.67e5	2.89e5	1.20	NO	0.659	35.03	35.03	NO	1.025	1.025	87.698	87.7	NO
23	13C-1,2,3,4,6,7,8-HpCDD	1.24e5	2.89e5	1.06	NO	0.534	38.53	38.54	NO	1.127	1.127	80.063	80.1	NO
24	13C-OCDD	2.12e5	2.89e5	0.90	NO	0.470	41.81	41.81	NO	1.223	1.223	155.80	77.9	NO
25	13C-2,3,7,8-TCDF	4.99e5	5.29e5	0.73	NO	0.977	25.17	25.17	NO	0.989	0.989	96.535	96.5	NO
26	13C-1,2,3,7,8-PeCDF	3.54e5	5.29e5	1.61	NO	0.778	30.00	30.00	NO	1.178	1.178	86.067	86.1	NO
27	13C-2,3,4,7,8-PeCDF	3.21e5	5.29e5	1.52	NO	0.750	30.99	30.99	NO	1.217	1.217	80.793	80.8	NO
28	13C-1,2,3,4,7,8-HxCDF	2.35e5	2.89e5	0.54	NO	0.845	33.80	33.80	NO	0.989	0.989	96.108	96.1	NO
29	13C-1,2,3,6,7,8-HxCDF	2.96e5	2.89e5	0.52	NO	1.03	33.91	33.91	NO	0.992	0.992	99.767	99.8	NO
30	13C-2,3,4,6,7,8-HxCDF	2.46e5	2.89e5	0.54	NO	0.893	34.49	34.48	NO	1.009	1.009	95.297	95.3	NO
31	13C-1,2,3,7,8,9-HxCDF	2.11e5	2.89e5	0.54	NO	0.734	35.39	35.37	NO	1.035	1.035	99.524	99.5	NO

Dataset: U:\VG11.PRO\Results\191217K3\191217K3-2.qld

Last Altered: Wednesday, December 18, 2019 18:16:15 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:16:32 Pacific Standard Time

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	1.99e5	2.89e5	0.45	NO	0.754	37.11	37.12	NO	1.085	1.086	91.233	91.2	NO
33	13C-1,2,3,4,7,8,9-HpCDF	1.36e5	2.89e5	0.46	NO	0.539	39.13	39.15	NO	1.145	1.145	87.538	87.5	NO
34	13C-OCDF	2.99e5	2.89e5	0.88	NO	0.593	42.00	42.00	NO	1.229	1.229	174.54	87.3	NO
35	37Cl-2,3,7,8-TCDD	3.48e4	3.22e5			1.07	26.18	26.18	NO	1.028	1.028	10.092	101	NO
36	13C-1,2,3,4-TCDD	3.22e5	3.22e5	0.81	NO	1.00	25.45	25.47	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	5.29e5	5.29e5	0.75	NO	1.00	23.55	23.55	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	2.89e5	2.89e5	0.52	NO	1.00	34.16	34.19	NO	1.000	1.000	100.00	100	NO

Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:17 Pacific Standard Time

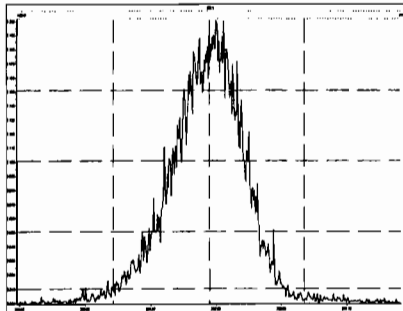
Method: U:\VG11.PROMethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Compound name: 2,3,7,8-TCDD

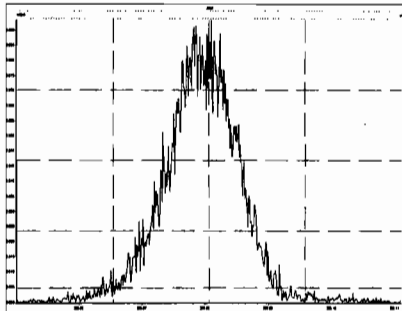
	Name	ID	Acq.Date	Acq.Time
1	191217K3_1	SOLVENT BLANK	18-Dec-19	02:06:30
2	191217K3_2	ST191217K3-1 1613 CS3 19C2204	18-Dec-19	02:54:19
3	191217K3_3	SOLVENT BLANK	18-Dec-19	03:41:48
4	191217K3_4	1903655-01 PDI-032SC-A-00-01-191010 12.22	18-Dec-19	04:30:11
5	191217K3_5	1903655-02 PDI-032SC-A-11-12-191010 11.52	18-Dec-19	05:18:35
6	191217K3_6	1903655-03 PDI-032SC-A-12-12.8-191010 14	18-Dec-19	06:08:15
7	191217K3_7	1903655-06 PDI-035SC-A-00-01-191010 15.92	18-Dec-19	06:56:35
8	191217K3_8	1903655-07 PDI-035SC-A-11-12-191010 11.88	18-Dec-19	07:44:36
9	191217K3_9	1903655-08 PDI-035SC-A-12-12.7-191010 13....	18-Dec-19	08:32:07
10	191217K3_10	1903655-09 PDI-041SC-A-12-13-191010 11.8	18-Dec-19	09:20:29
11	191217K3_11	1903655-10 PDI-041SC-A-13-14.2-191010 14....	18-Dec-19	10:08:52
12	191217K3_12	1903655-11 PDI-045SC-A-12-13-191010 13.17	18-Dec-19	10:57:15
13	191217K3_13	1903655-12 PDI-045SC-A-13-13.6-191010 13....	18-Dec-19	11:45:38
14	191217K3_14	1903655-13 PDI-067SC-A-12-13-191010 14.56	18-Dec-19	12:35:17
15	191217K3_15	1903655-14 PDI-067SC-A-13-13.8-191010 14....	18-Dec-19	13:23:13
16	191217K3_16	1903739-01 PDI-026SC-A-11-12-191014 15.79	18-Dec-19	14:10:41

Printed: Wednesday, December 18, 2019 02:05:14 Pacific Standard Time

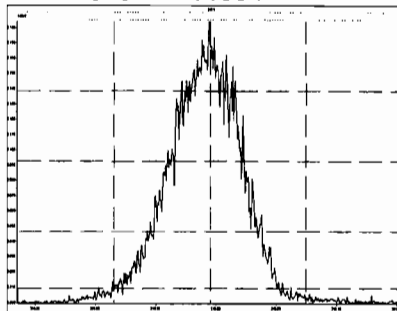
M 292.9824 R 11711



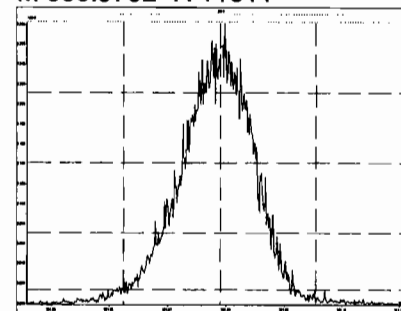
M 304.9824 R 12438



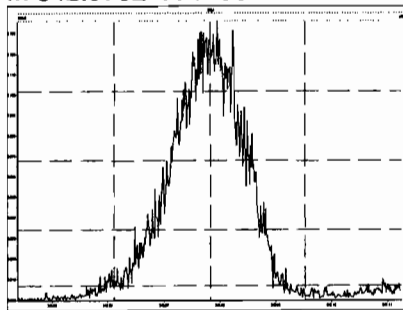
M 318.9792 R 11884



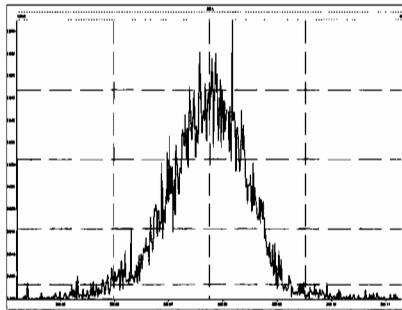
M 330.9792 R 11611



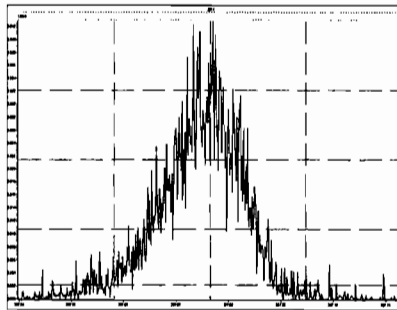
M 342.9792 R 12356



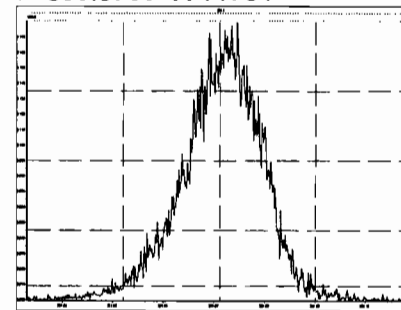
M 354.9792 R 12209



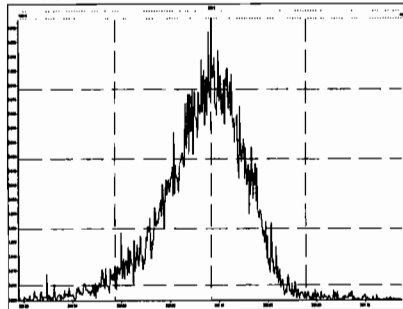
M 366.9792 R 11884



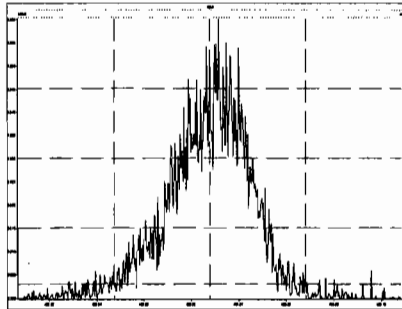
M 380.9760 R 11764



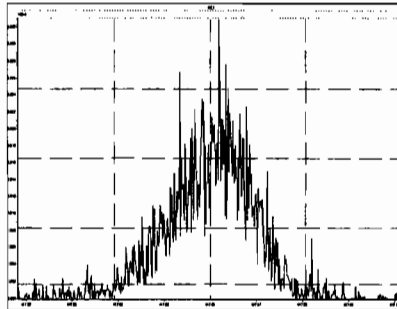
M 392.9760 R 11573



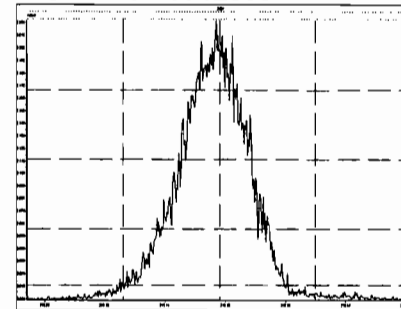
M 404.9760 R 11287



M 416.9760 R 13251

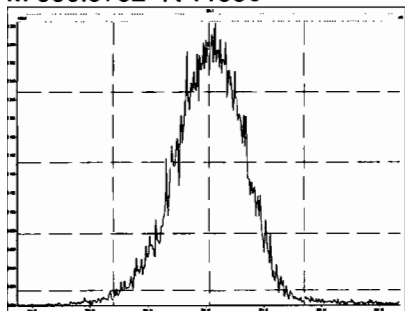


M 318.9792 R 12806

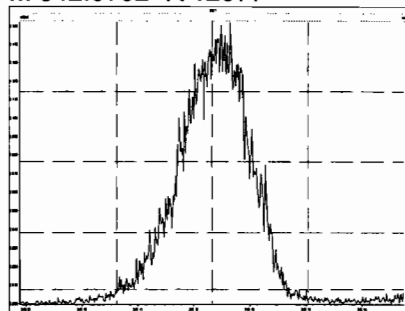


Printed: Wednesday, December 18, 2019 02:05:14 Pacific Standard Time

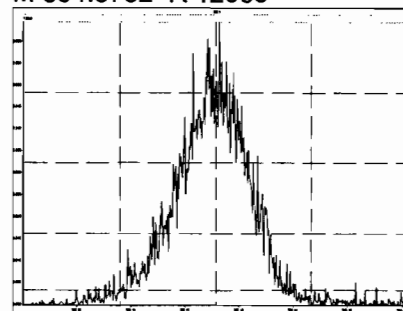
M 330.9792 R 11990



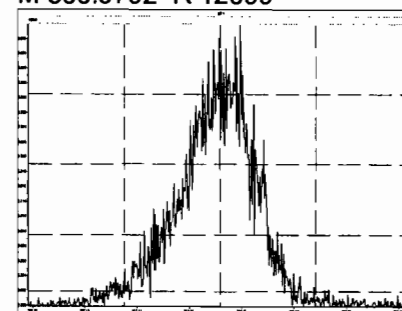
M 342.9792 R 12077



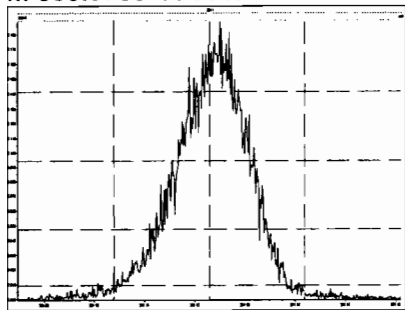
M 354.9792 R 12053



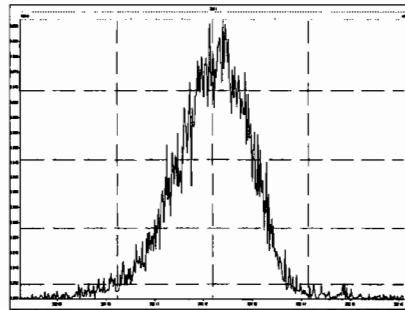
M 366.9792 R 12699



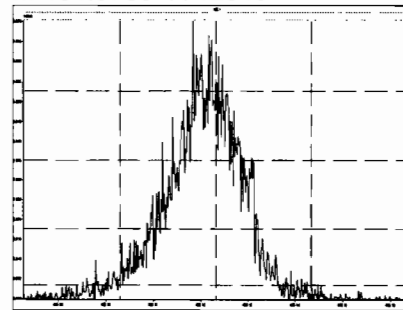
M 380.9760 R 11471



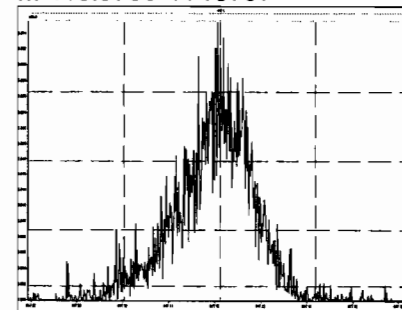
M 392.9760 R 11772



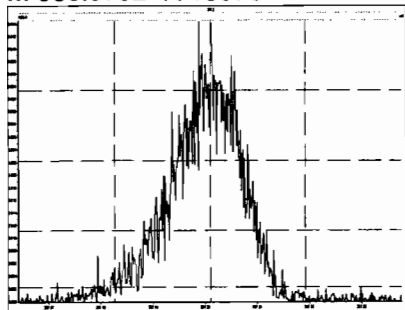
M 404.9760 R 12049



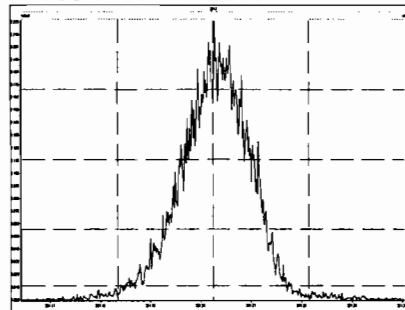
M 416.9760 R 13797



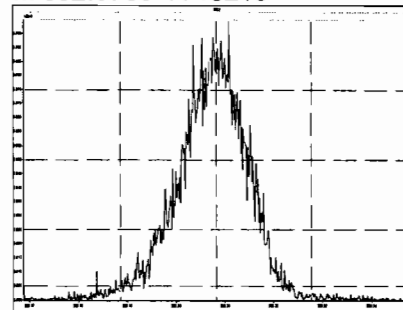
M 366.9792 R 13578



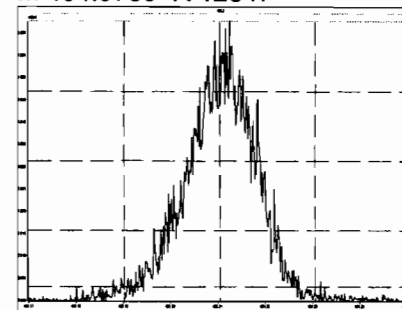
M 380.9760 R 12205



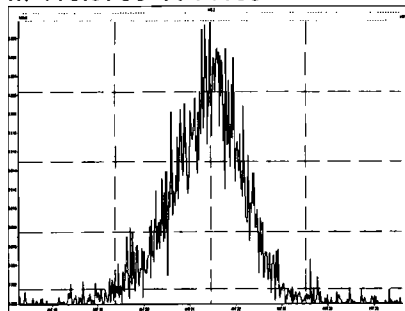
M 392.9760 R 13219



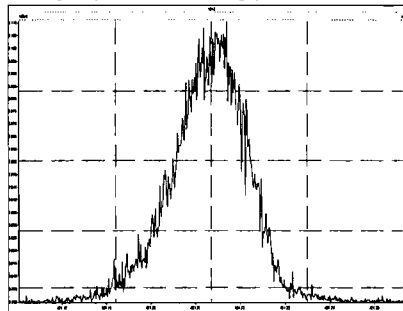
M 404.9760 R 12347



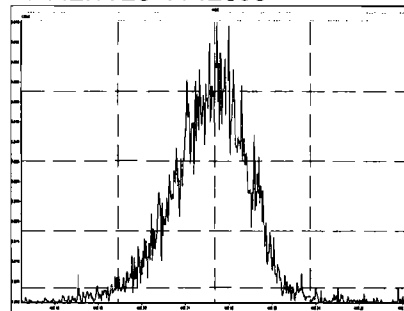
M 416.9760 R 14169



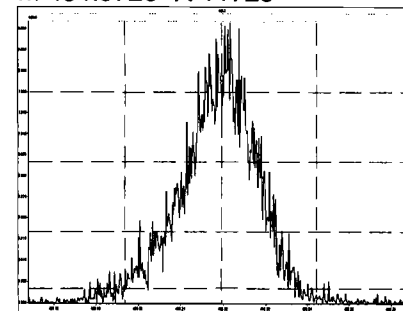
M 430.9728 R 12205



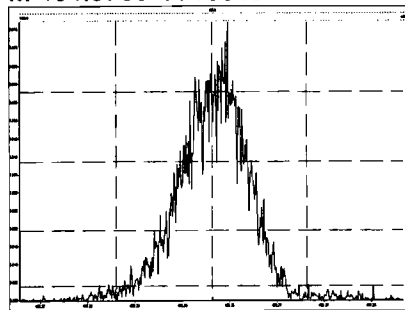
M 442.9728 R 12695



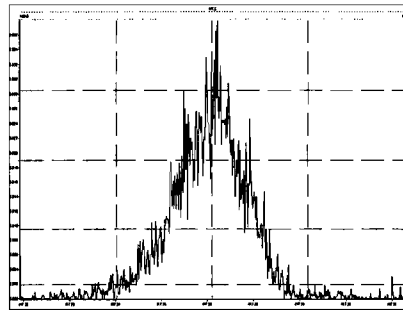
M 454.9728 R 11728



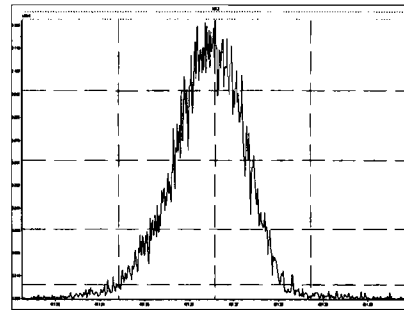
M 404.9760 R 13545



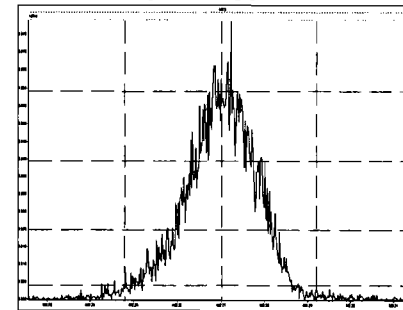
M 416.9760 R 13387



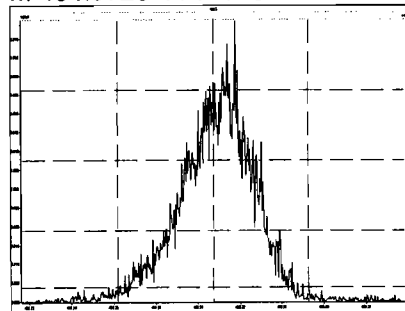
M 430.9728 R 12112



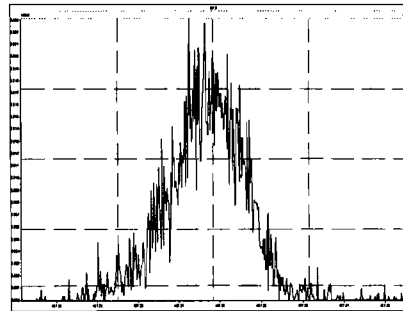
M 442.9728 R 12634



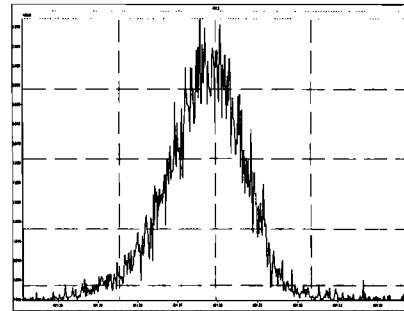
M 454.9728 R 12516



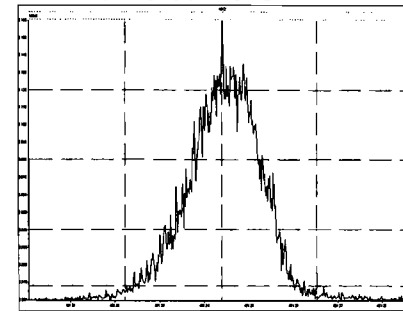
M 466.9728 R 13280



M 480.9696 R 12099

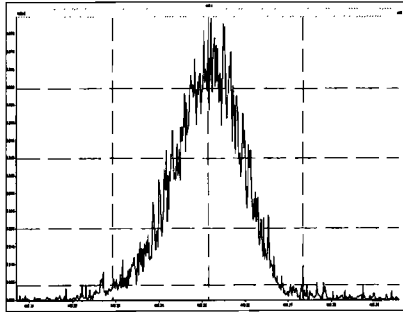


M 430.9728 R 12316

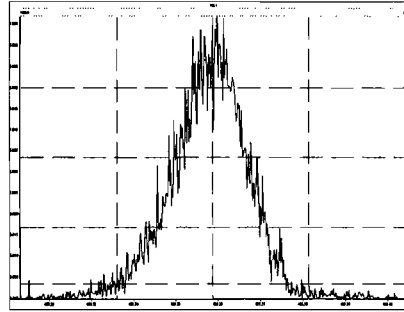


Printed: Wednesday, December 18, 2019 02:05:14 Pacific Standard Time

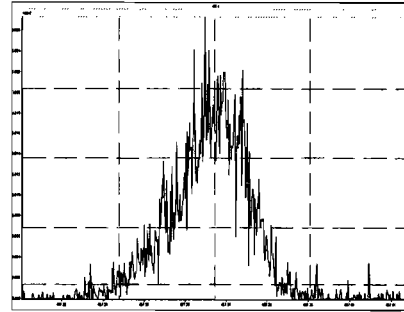
M 442.9728 R 12278



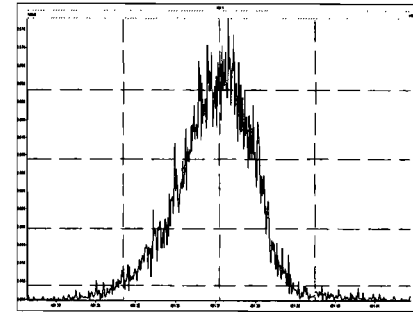
M 454.9728 R 11990



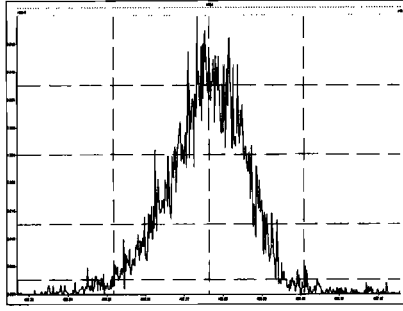
M 466.9728 R 12691



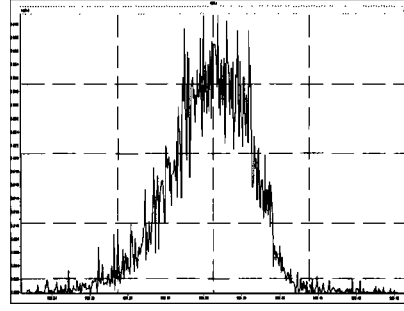
M 480.9696 R 11691



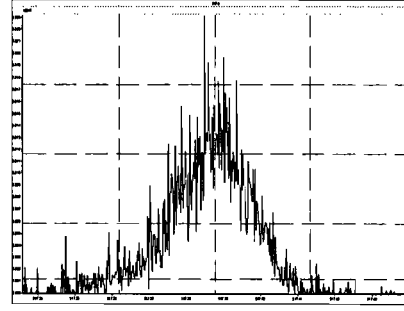
M 492.9696 R 12762



M 504.9696 R 11720



M 516.9697 R 13826



Dataset: U:\VG11.PRO\Results\191217K3\191217K3-CPSM.qld

Last Altered: Wednesday, December 18, 2019 17:57:05 Pacific Standard Time

Printed: Wednesday, December 18, 2019 17:57:27 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	RT
1	1,3,6,8-TCDD (First)	21.84
2	1,2,8,9-TCDD (Last)	27.19
3	1,2,4,7,9-PeCDD (First)	29.08
4	1,2,3,8,9-PeCDD (Last)	31.71
5	1,2,4,6,7,9-HxCDD (First)	33.20
6	1,2,3,7,8,9-HxCDD (Last)	35.05
7	1,2,3,4,6,7,9-HpCDD (First)	37.51
8	1,2,3,4,6,7,8-HpCDD (Last)	38.55
9	1,3,6,8-TCDF (First)	19.78
10	1,2,8,9-TCDF (Last)	27.34
11	1,3,4,6,8-PeCDF (First)	27.33
12	1,2,3,8,9-PeCDF (Last)	31.93
13	1,2,3,4,6,8-HxCDF (First)	32.65
14	1,2,3,7,8,9-HxCDF (Last)	35.38
15	1,2,3,4,6,7,8-HpCDF (First)	37.13
16	1,2,3,4,7,8,9-HpCDF (Last)	39.16

Dataset: U:\VG11.PRO\Results\191217K3\191217K3-CPSM.qld

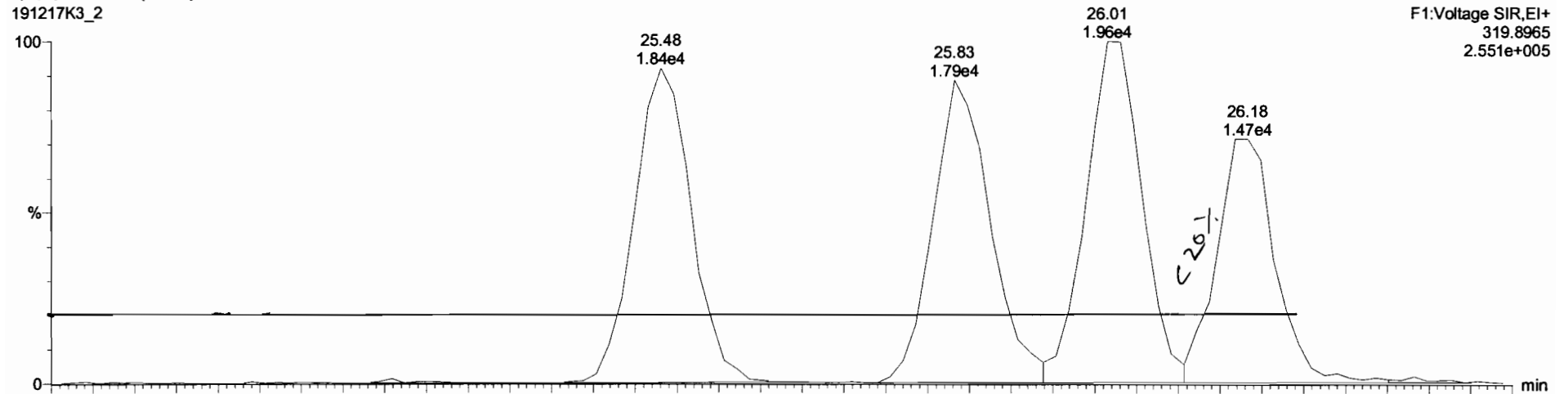
Last Altered: Wednesday, December 18, 2019 17:57:05 Pacific Standard Time
Printed: Wednesday, December 18, 2019 17:57:27 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

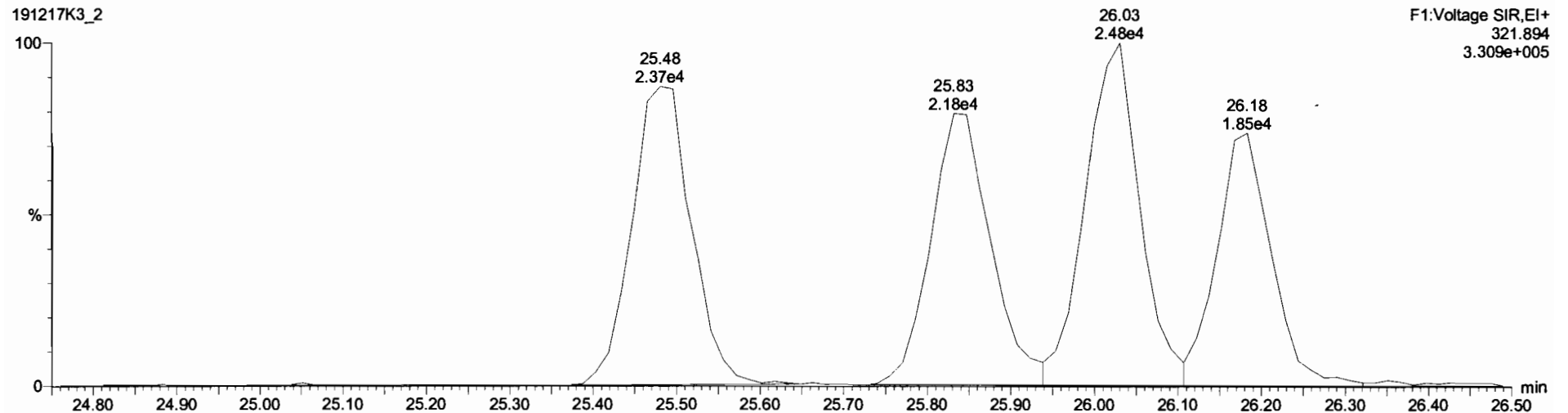
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,3,6,8-TCDD (First)

191217K3_2



191217K3_2



Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

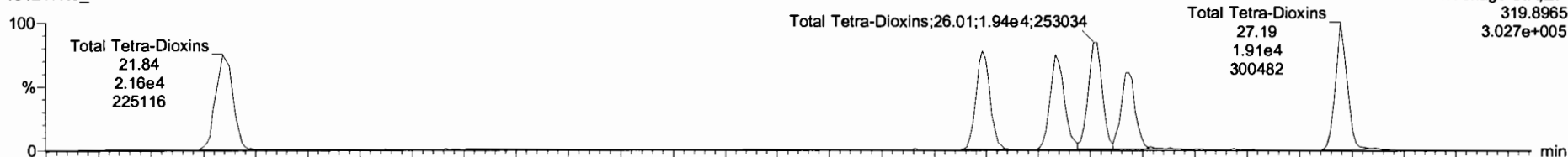
Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

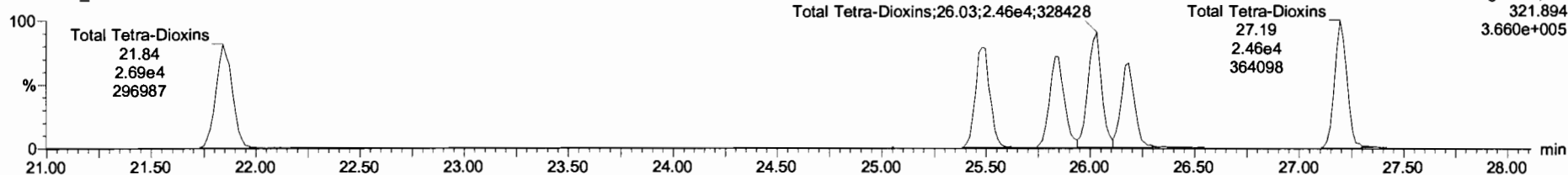
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

2,3,7,8-TCDD

191217K3_2

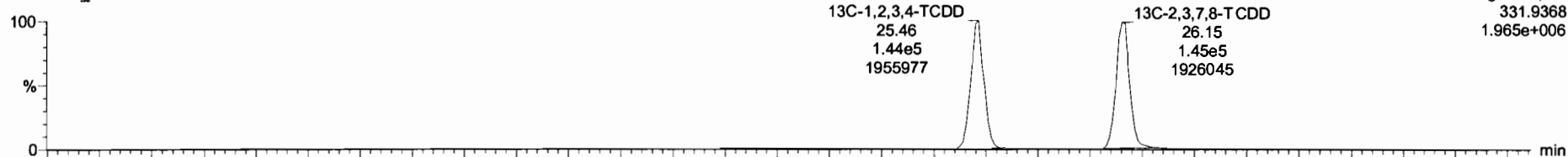


191217K3_2

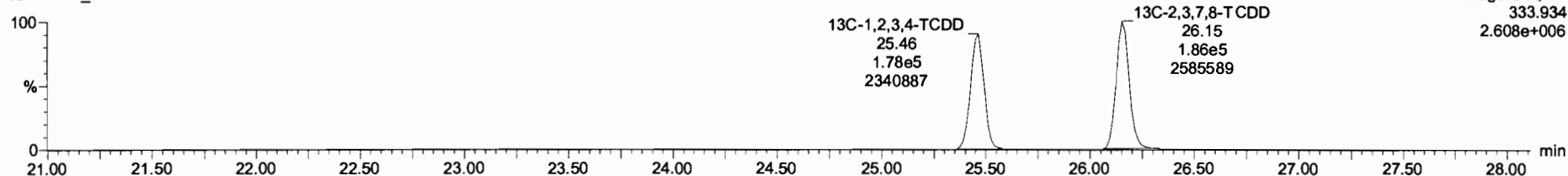


13C-2,3,7,8-TCDD

191217K3_2



191217K3_2



Dataset: Untitled

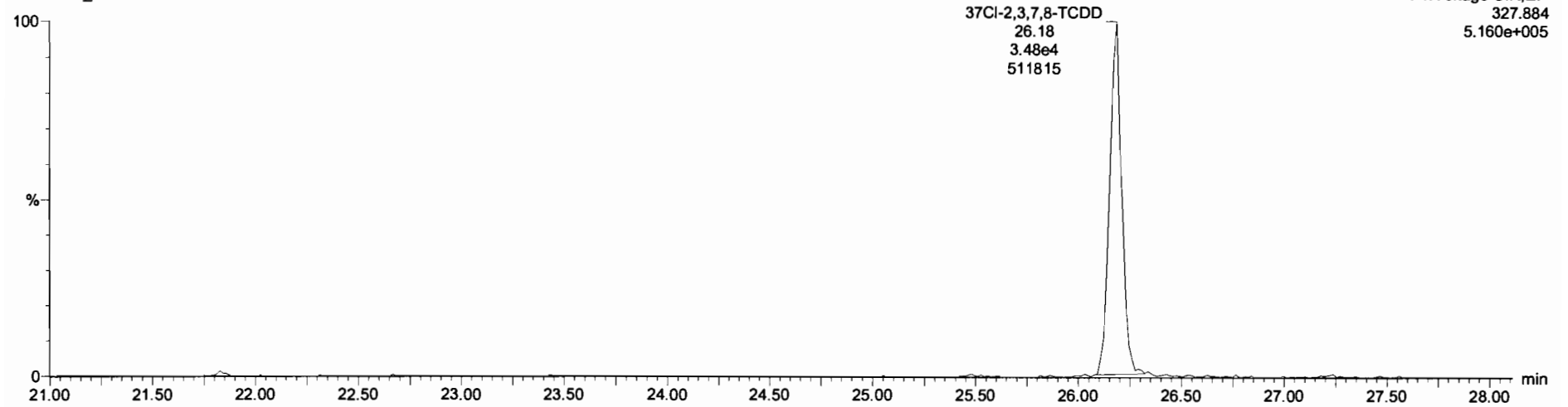
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

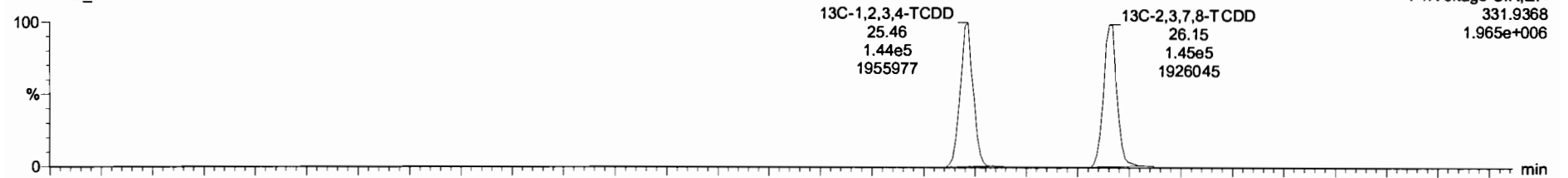
37Cl-2,3,7,8-TCDD

191217K3_2

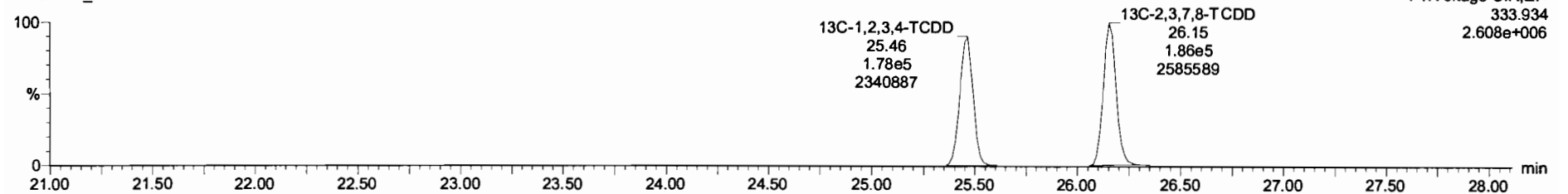


13C-1,2,3,4-TCDD

191217K3_2



191217K3_2



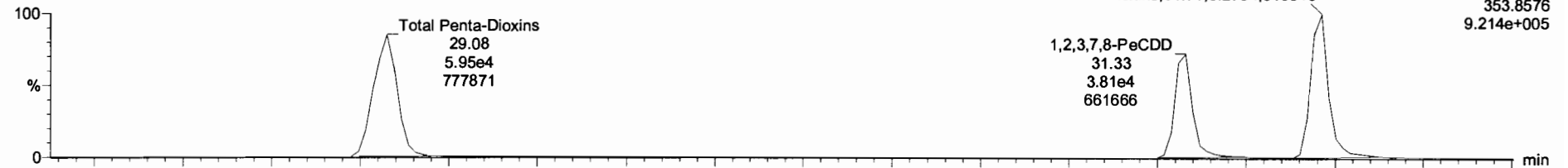
Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

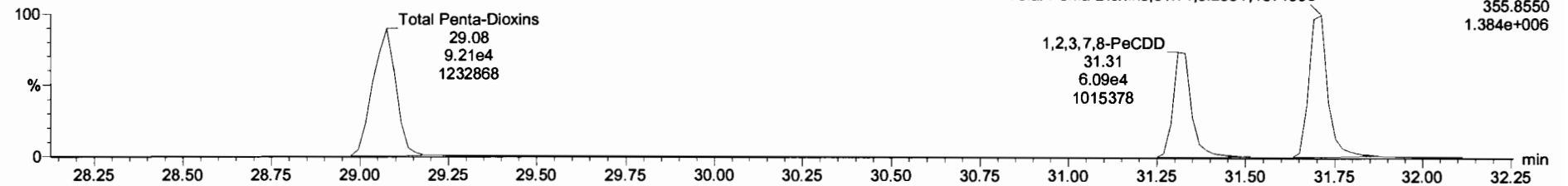
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,7,8-PeCDD

191217K3_2

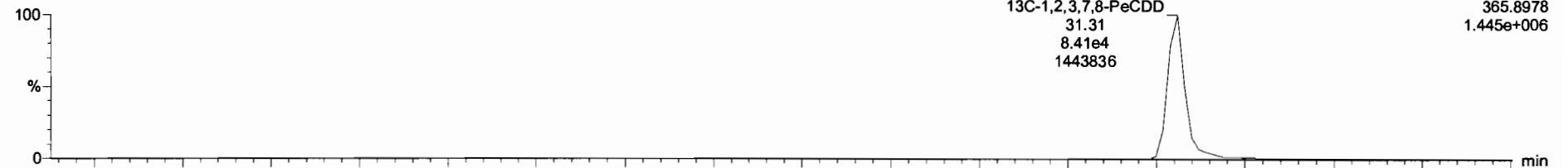


191217K3_2

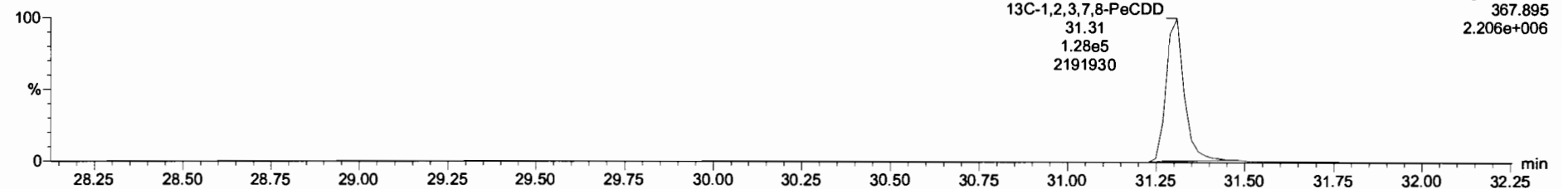


13C-1,2,3,7,8-PeCDD

191217K3_2



191217K3_2



Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

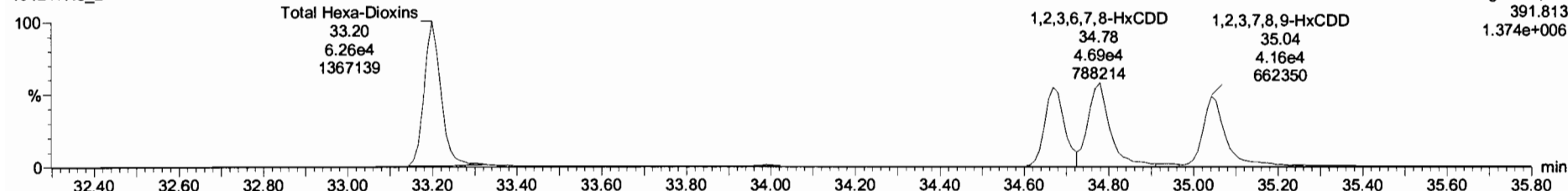
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,7,8-HxCDD

191217K3_2

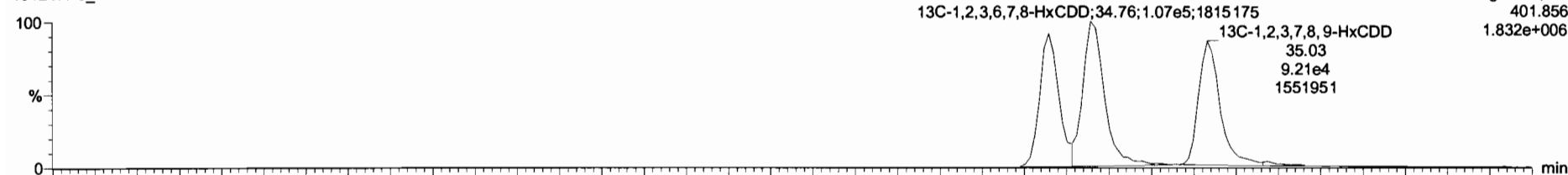


191217K3_2

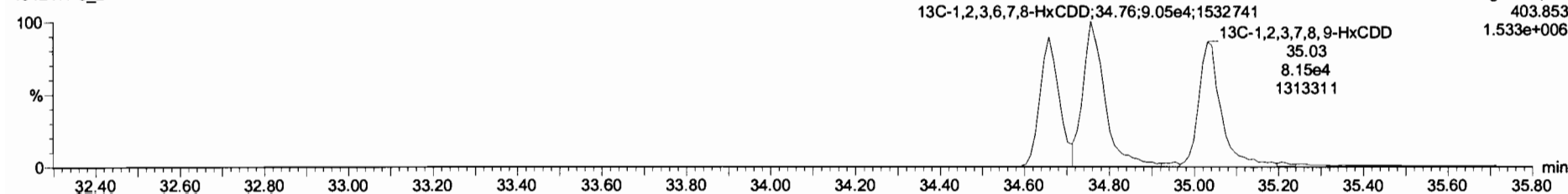


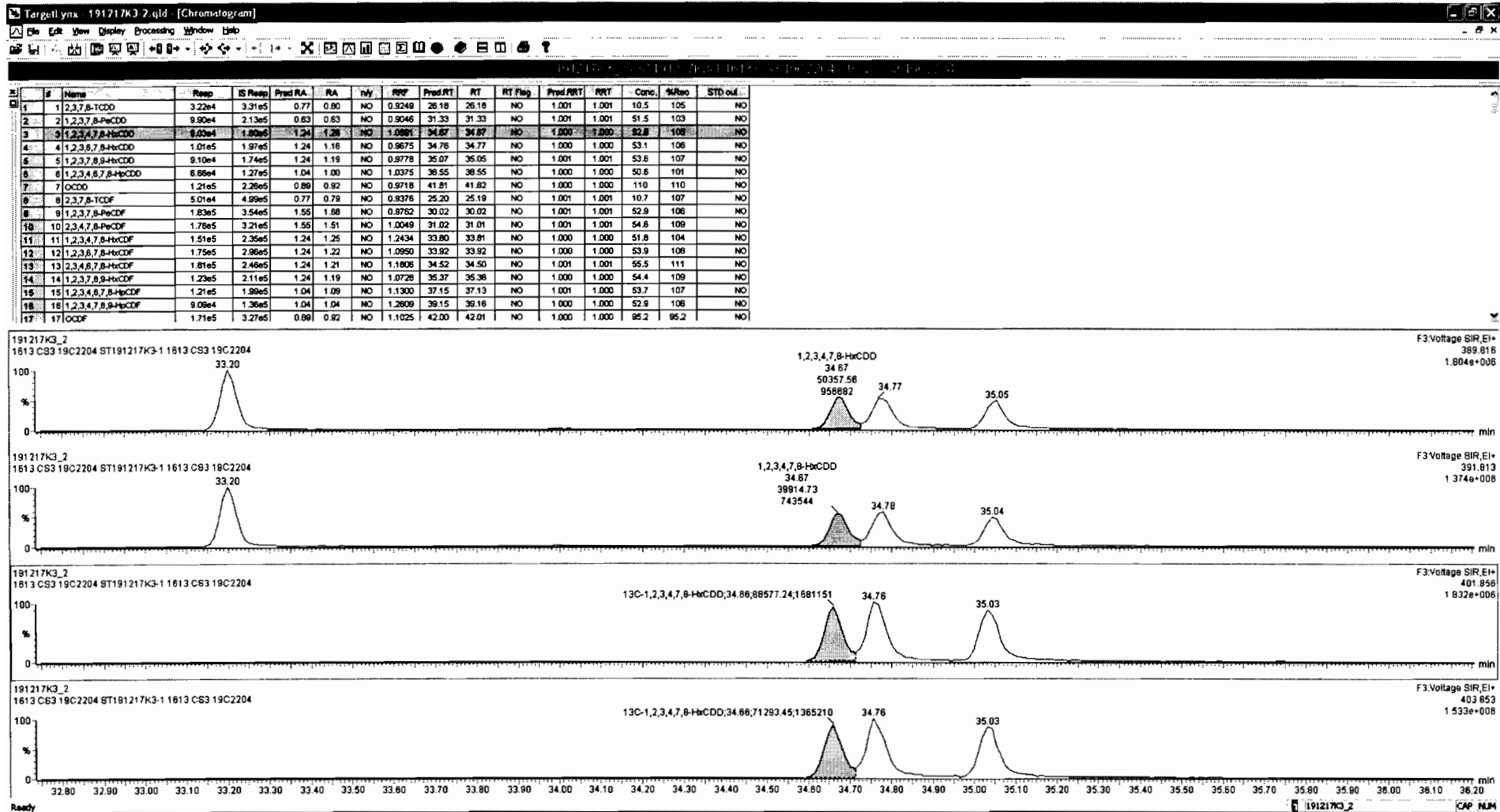
13C-1,2,3,4,7,8-HxCDD

191217K3_2

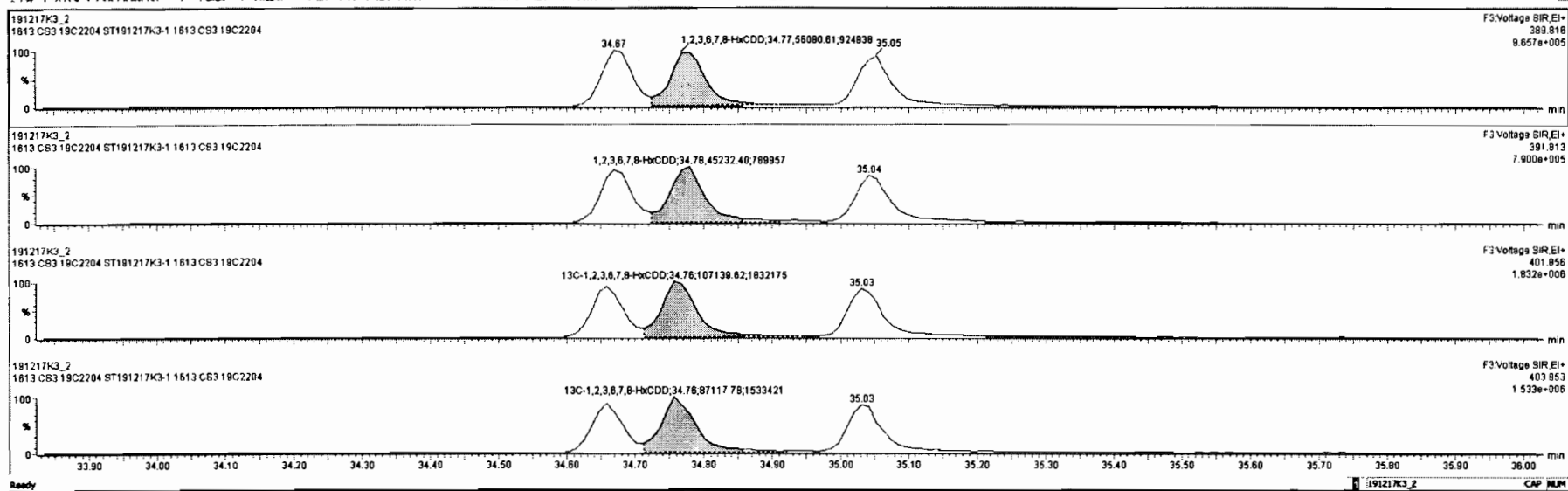


191217K3_2

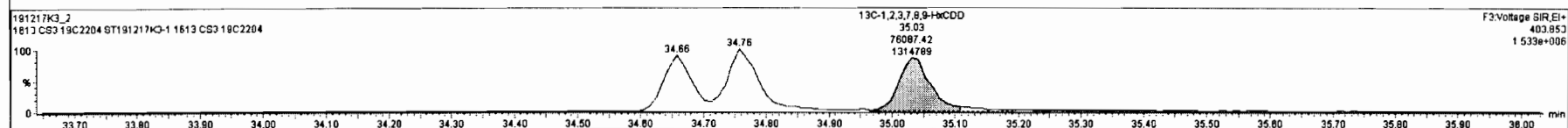
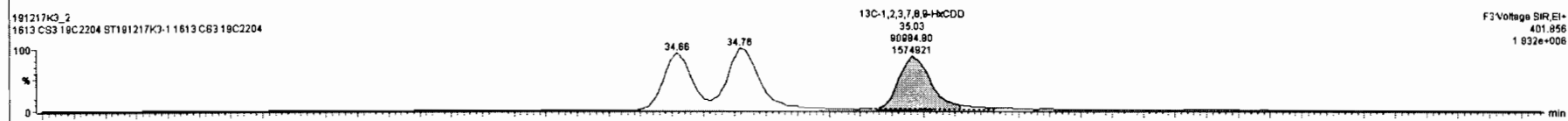
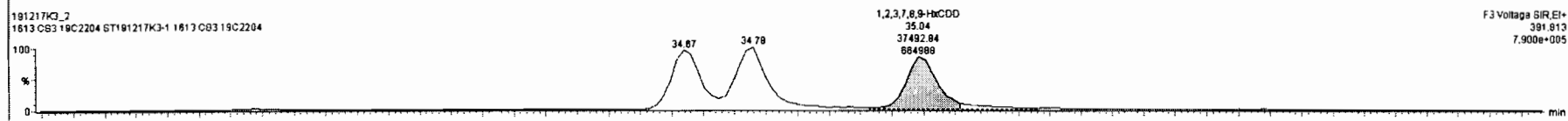
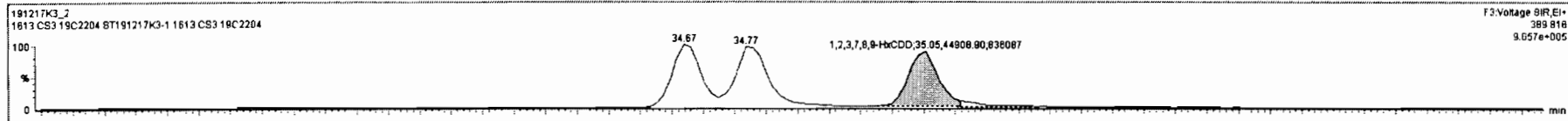




#	Name	Resp	IS Resp	Pred RA	RA	nY	RF	Pred RT	RT	RT Flag	Pred RRT	RRT	Cons	%Res	STD out
3	1,2,3,4,7,8-HxCDD	9.03e4	1.80e5	1.24	1.26	NO	1.0001	34.67	34.67	NO	1.000	1.000	52.8	108	NO
4	1,2,3,6,7,8-HxCDD	7.81e5	1.86e6	1.24	1.24	NO	0.8878	34.76	34.77	NO	1.000	1.000	63.8	108	NO
5	1,2,3,7,8,9-HxCDD	8.24e4	1.67e5	1.24	1.20	NO	0.8778	35.07	35.05	NO	1.001	1.001	50.4	101	NO
6	1,2,3,4,6,7,8-HpCDD	6.33e4	1.24e5	1.04	1.03	NO	1.0375	36.55	36.55	NO	1.000	1.000	48.4	98.8	NO
7	OCDD	1.07e5	2.12e5	0.89	0.87	NO	0.8718	41.81	41.82	NO	1.000	1.000	104	104	NO
8	2,3,7,8-TCDF	5.01e4	4.89e5	0.77	0.79	NO	0.8376	25.20	25.19	NO	1.001	1.001	10.7	107	NO
9	1,2,3,7,8-HxCDF	1.83e5	3.54e5	1.55	1.68	NO	0.9762	30.02	30.02	NO	1.001	1.001	52.9	106	NO
10	2,3,4,7,8-HxCDF	1.74e5	3.21e5	1.55	1.55	NO	1.0049	31.02	31.01	NO	1.001	1.001	54.1	108	NO
11	1,2,3,4,7,8-HxCDF	1.51e5	2.95e5	1.24	1.25	NO	1.2434	33.80	33.81	NO	1.000	1.000	51.8	104	NO
12	1,2,3,6,7,8-HxCDF	1.75e5	2.98e5	1.24	1.22	NO	1.0650	33.92	33.92	NO	1.000	1.000	53.9	108	NO
13	2,3,4,6,7,8-HxCDF	1.61e5	2.48e5	1.24	1.21	NO	1.1806	34.52	34.50	NO	1.001	1.001	55.5	111	NO
14	1,2,3,7,8,9-HxCDF	1.23e5	2.11e5	1.24	1.19	NO	1.0728	35.37	35.38	NO	1.000	1.000	54.4	109	NO
15	1,2,3,4,6,7,8-HpCDF	1.21e5	1.89e5	1.04	1.05	NO	1.1300	37.15	37.13	NO	1.001	1.000	53.7	107	NO
16	1,2,3,4,7,8,9-HpCDF	9.08e4	1.38e5	1.04	1.04	NO	1.2808	39.15	39.16	NO	1.000	1.000	52.9	106	NO
17	OCDF	1.56e5	2.99e5	0.89	0.92	NO	1.1025	42.00	42.01	NO	1.000	1.000	94.8	94.8	NO
18	13C-2,3,7,8-TCDD	3.31e5	3.22e5	0.77	0.76	NO	1.0488	26.15	26.15	NO	1.027	1.027	98.0	98.0	NO
19	13C-1,2,3,7,8-HxCDD	2.13e5	3.22e5	0.63	0.65	NO	0.7429	31.31	31.31	NO	1.230	1.229	88.8	88.8	NO
20	13C-1,2,3,4,7,8-HpCDD	1.80e5	2.89e5	1.24	1.24	NO	0.8463	34.88	34.88	NO	1.014	1.014	65.6	65.6	NO
21	13C-1,2,3,6,7,8-HxCDD	1.84e5	2.90e5	1.24	1.25	NO	0.7367	34.76	34.76	NO	1.017	1.017	66.6	66.6	NO



#	Name	Resp	IS Resp	Pred RA	RA	n/y	RPV	Pred RT	RT	RT Flag	Pred RRT	RRT	Conc	%Rec	STD out
1	1,2,3,7,8-TCDF	32294	33165	0.77	0.80	NO	0.9249	26.18	26.18	NO	1.001	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	90064	21365	0.63	0.63	NO	0.9046	31.33	31.33	NO	1.001	1.001	51.5	103	NO
3	1,2,3,4,7,8-HxCDD	90364	18065	1.24	1.26	NO	1.0691	34.67	34.67	NO	1.000	1.000	52.8	106	NO
4	1,2,3,6,7,8-HxCDD	90864	18665	1.24	1.18	NO	0.9675	34.76	34.77	NO	1.000	1.000	54.8	110	NO
5	1,2,3,7,8,9-HxCDD	82364	18765	1.24	1.20	NO	0.9779	35.07	35.05	NO	1.001	1.001	50.4	101	NO
6	1,2,3,4,6,7,8-HpCDD	66664	12765	1.04	1.00	NO	1.0375	36.55	36.55	NO	1.000	1.000	50.6	101	NO
7	OCDD	12165	22665	0.89	0.92	NO	0.8718	41.81	41.82	NO	1.000	1.000	110	110	NO
8	1,2,3,7,8-TCDF	50164	48965	0.77	0.79	NO	0.9378	25.20	25.19	NO	1.001	1.001	10.7	107	NO
9	1,2,3,7,8-PeCDF	18365	35465	1.55	1.89	NO	0.8762	30.02	30.02	NO	1.001	1.001	52.9	106	NO
10	1,2,3,4,7,8-PeCDF	17865	32165	1.55	1.51	NO	1.0049	31.02	31.01	NO	1.001	1.001	54.6	108	NO
11	1,2,3,4,7,8-HxCDF	15165	23565	1.24	1.25	NO	1.2434	33.80	33.81	NO	1.000	1.000	51.8	104	NO
12	1,2,3,6,7,8-HxCDF	17565	29665	1.24	1.22	NO	1.0660	33.82	33.92	NO	1.000	1.000	53.9	108	NO
13	1,2,3,4,6,7,8-HxCDF	18165	24665	1.24	1.21	NO	1.1808	34.52	34.50	NO	1.001	1.001	55.5	111	NO
14	1,2,3,7,8,9-HxCDF	12365	21165	1.24	1.18	NO	1.0728	35.37	35.36	NO	1.000	1.000	54.4	109	NO
15	1,2,3,4,6,7,8-HpCDF	12165	19865	1.04	1.06	NO	1.1300	37.15	37.13	NO	1.001	1.000	53.7	107	NO
16	1,2,3,4,7,8,9-HpCDF	90864	13665	1.04	1.04	NO	1.2609	39.15	39.16	NO	1.000	1.000	52.9	106	NO
17	OCDF	17165	32765	0.89	0.92	NO	1.1025	42.00	42.01	NO	1.000	1.000	95.2	95.2	NO



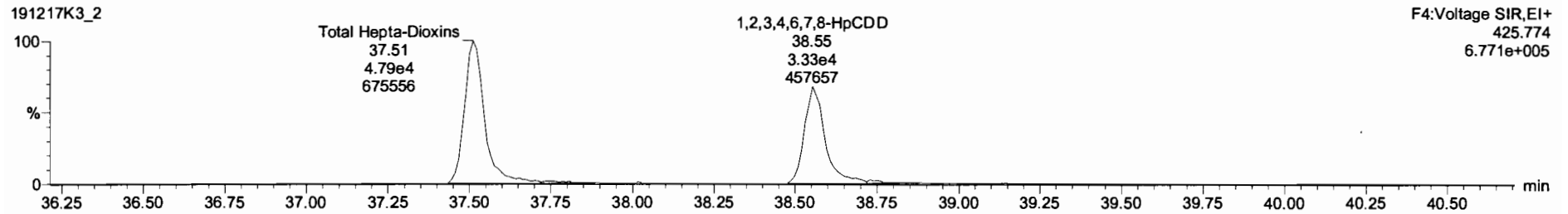
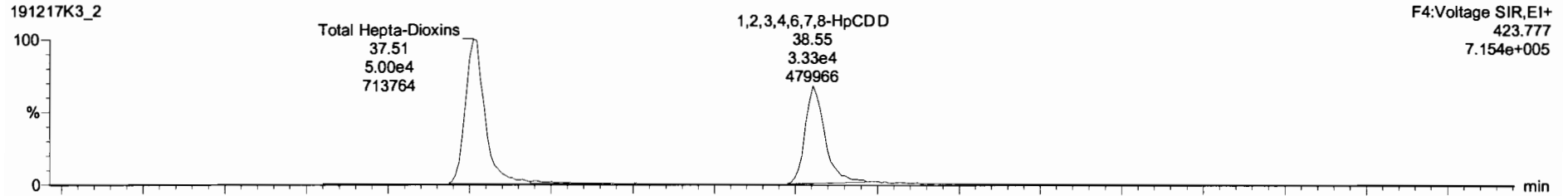
Dataset: Untitled

Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

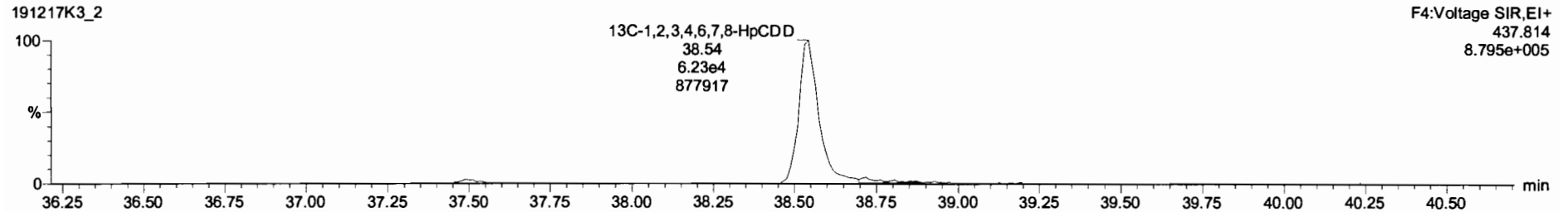
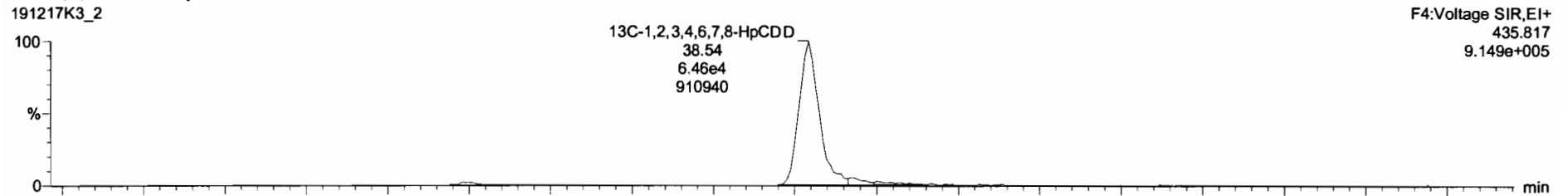
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

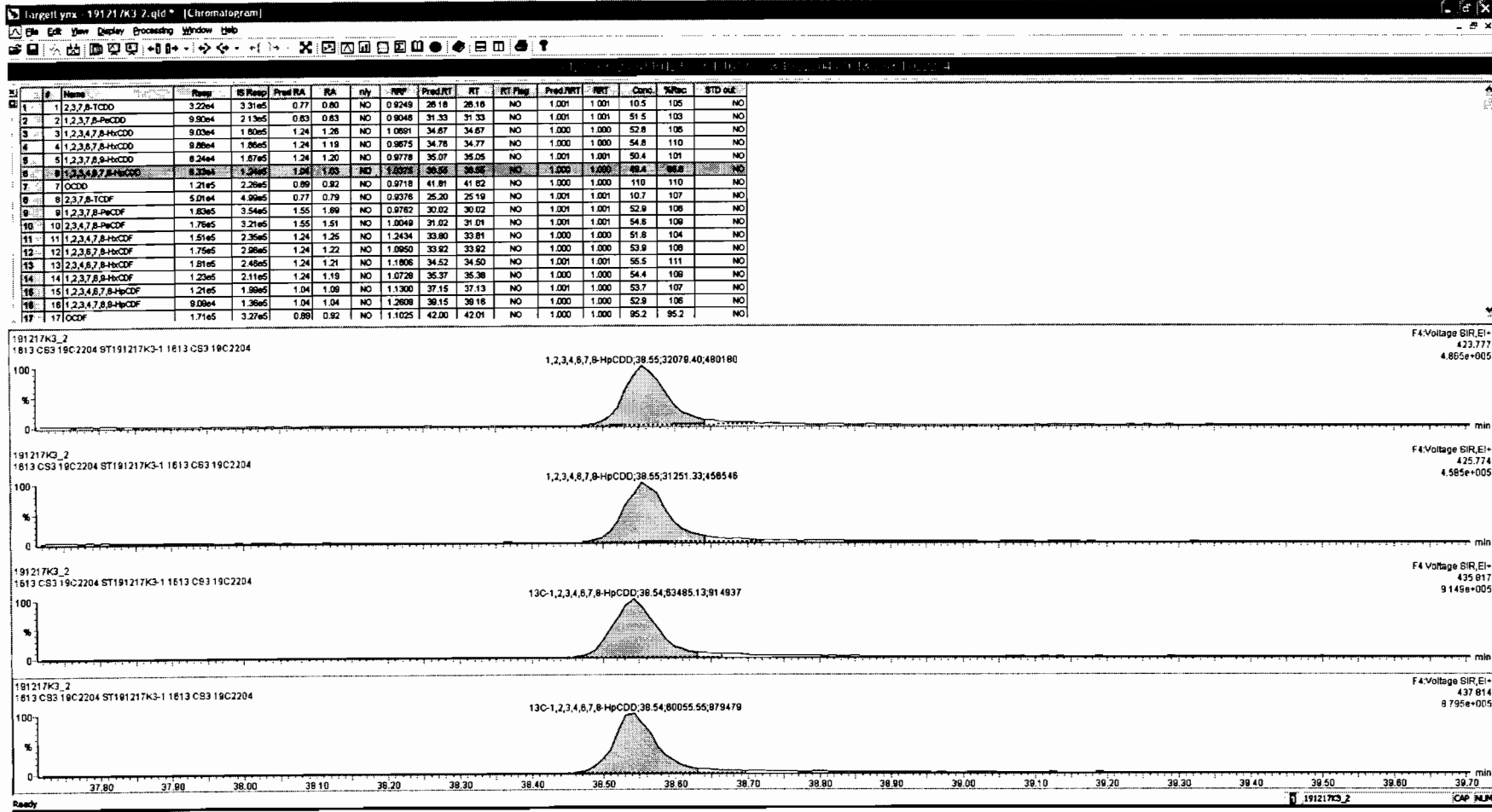
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,6,7,8-HpCDD



13C-1,2,3,4,6,7,8-HpCDD





Dataset: Untitled

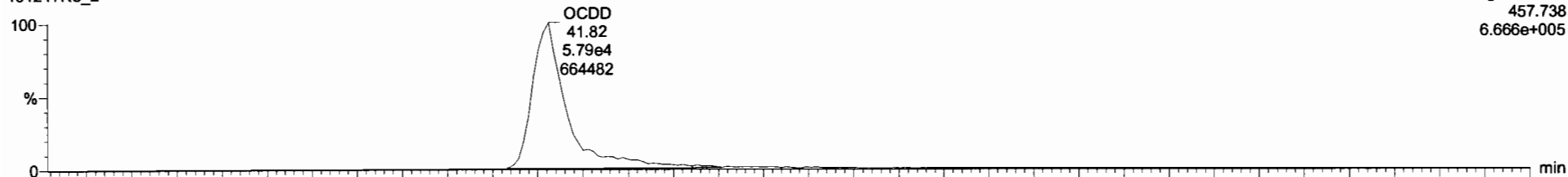
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

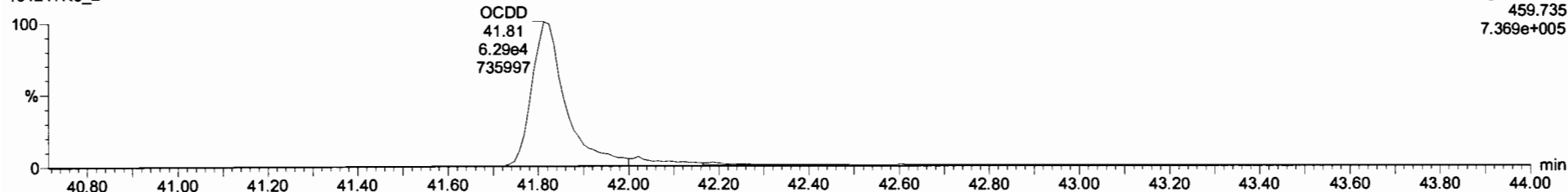
OCDD

191217K3_2



F5:Voltage SIR,EI+
457.738
6.666e+005

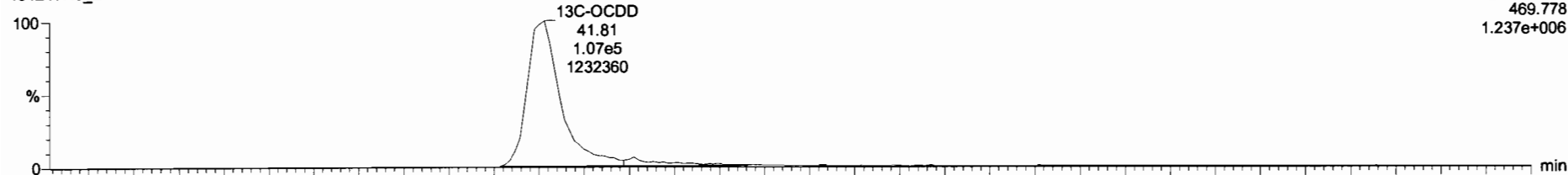
191217K3_2



F5:Voltage SIR,EI+
459.735
7.369e+005

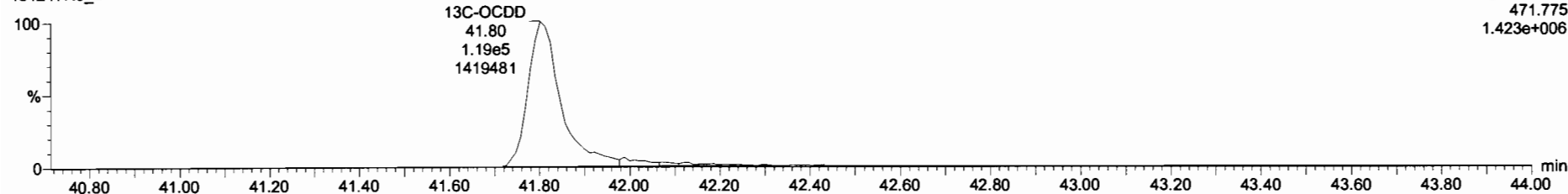
13C-OCDD

191217K3_2

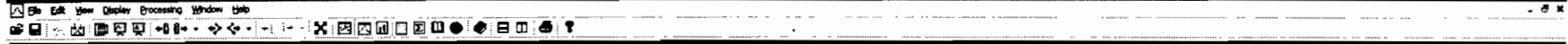


F5:Voltage SIR,EI+
469.778
1.237e+006

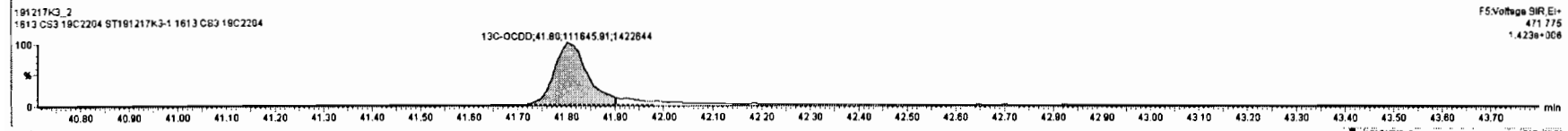
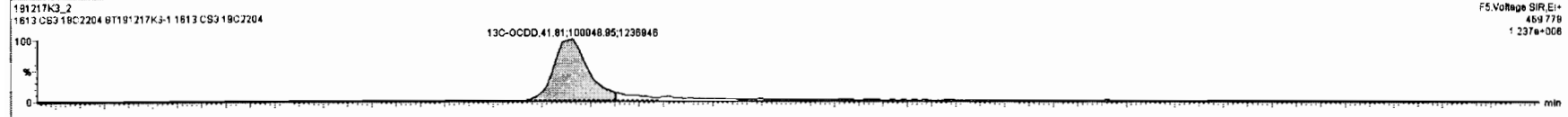
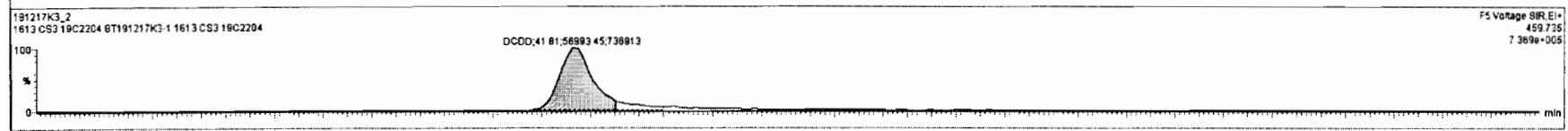
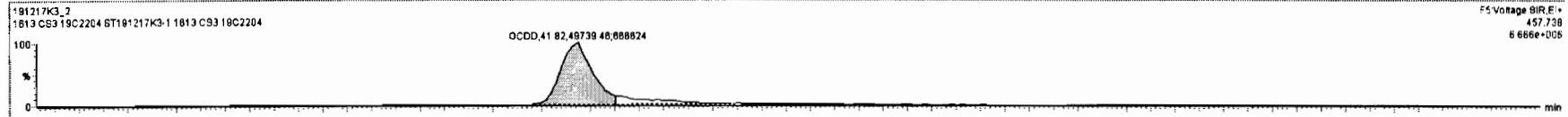
191217K3_2



F5:Voltage SIR,EI+
471.775
1.423e+006



#	Name	Resp	IS Resp	Prod RA	RA	n/y	RNF	Prod RT	RT	RT Flag	Prod RRT	RRT	Conc.	%Rec	STD out
1	2,3,7,8-TCDD	3.22e4	3.31e5	0.77	0.80	NO	0.9248	26.19	26.16	NO	1.001	1.001	10.5	105	NO
2	1,2,3,7,8-PeCDD	9.00e4	2.13e5	0.83	0.83	NO	0.9046	31.33	31.33	NO	1.001	1.001	51.5	103	NO
3	1,2,3,4,7,8-HxCDD	9.03e4	1.60e5	1.24	1.28	NO	1.0691	34.87	34.87	NO	1.000	1.000	52.8	108	NO
4	1,2,3,6,7,8-HxCDD	9.09e4	1.86e5	1.24	1.19	NO	0.9675	34.78	34.77	NO	1.000	1.000	54.8	110	NO
5	1,2,3,7,8,9-HxCDD	8.24e4	1.57e5	1.24	1.20	NO	0.9778	35.07	35.05	NO	1.001	1.001	60.4	101	NO
6	1,2,3,4,6,7,8-HpCDD	6.33e4	1.24e5	1.04	1.03	NO	1.0375	38.55	38.55	NO	1.000	1.000	48.4	98.8	NO
7	OCDD	1.87e5	2.13e5	0.88	0.87	NO	0.8718	41.81	41.82	NO	1.000	1.000	104	104	NO
8	2,3,7,8-TCDF	5.01e4	4.99e5	0.77	0.78	NO	0.9378	25.20	25.19	NO	1.001	1.001	10.7	107	NO
9	1,2,3,7,8-PeCDF	1.83e5	3.54e5	1.55	1.88	NO	0.9782	30.02	30.02	NO	1.001	1.001	52.9	108	NO
10	2,3,4,7,8-PeCDF	1.78e5	3.21e5	1.55	1.51	NO	1.0048	31.02	31.01	NO	1.001	1.001	54.8	109	NO
11	1,2,3,6,7,8-HxCDF	1.51e5	2.35e5	1.24	1.25	NO	1.2434	33.80	33.81	NO	1.000	1.000	51.8	104	NO
12	1,2,3,6,7,8-HxCDF	1.75e5	2.98e5	1.24	1.22	NO	1.0950	33.92	33.92	NO	1.000	1.000	53.9	108	NO
13	2,3,4,6,7,8-HxCDF	1.61e5	2.48e5	1.24	1.21	NO	1.1805	34.52	34.50	NO	1.001	1.001	55.5	111	NO
14	1,2,3,7,8,9-HxCDF	1.23e5	2.11e5	1.24	1.19	NO	1.0726	35.37	35.36	NO	1.000	1.000	54.4	109	NO
15	1,2,3,4,6,7,8-HpCDF	1.21e5	1.99e5	1.04	1.06	NO	1.1300	37.15	37.13	NO	1.001	1.000	53.7	107	NO
16	1,2,3,4,7,8,9-HpCDF	8.09e4	1.39e5	1.04	1.04	NO	1.2809	39.15	39.18	NO	1.000	1.000	52.9	108	NO
17	OCDF	1.71e5	3.27e5	0.88	0.92	NO	1.1025	42.00	42.01	NO	1.000	1.000	95.2	95.2	NO

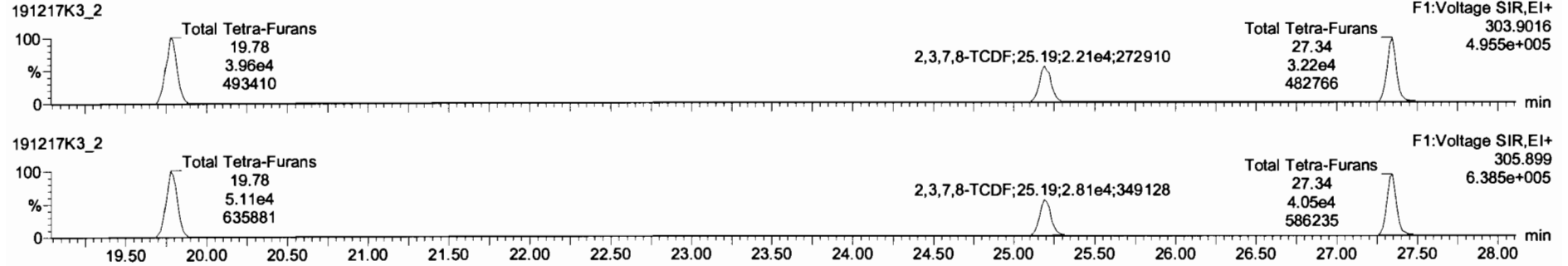


Dataset: Untitled

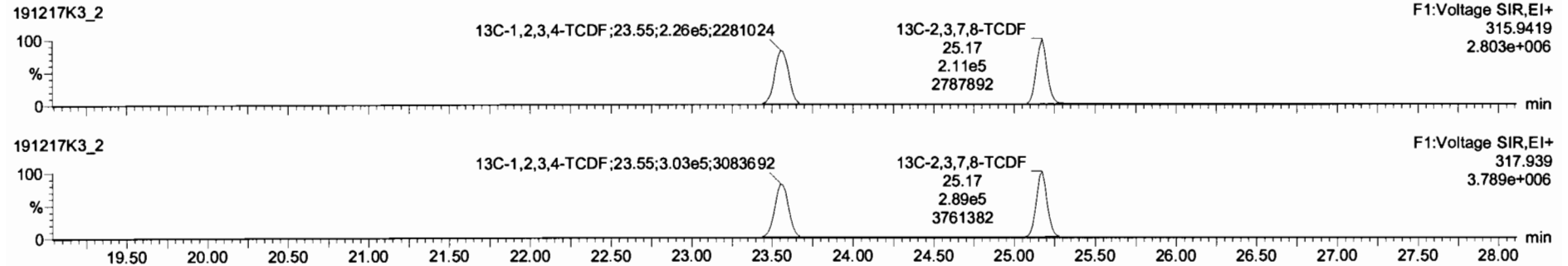
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

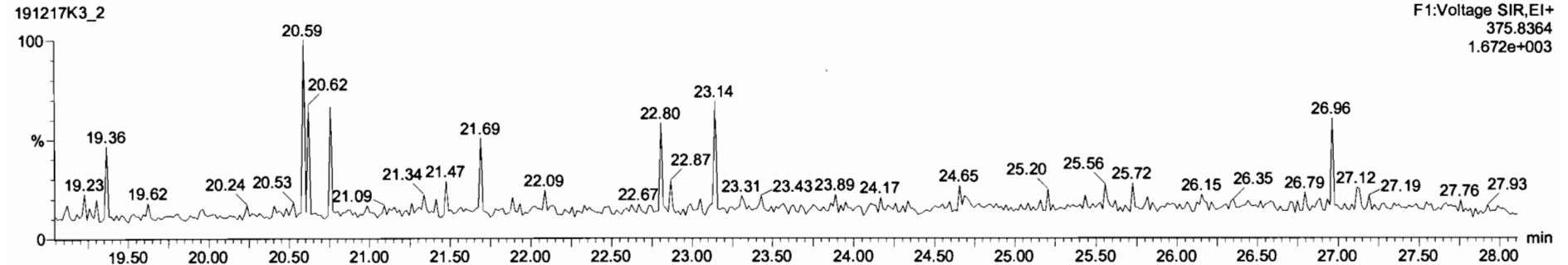
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1



Dataset: Untitled

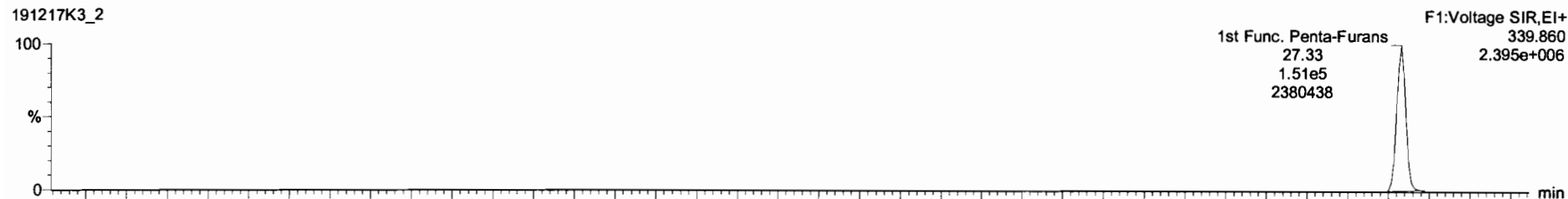
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

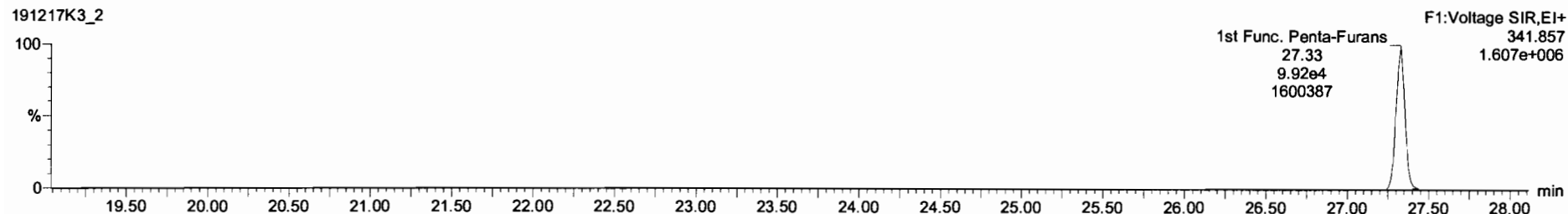
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1st Func. Penta-Furans

191217K3_2

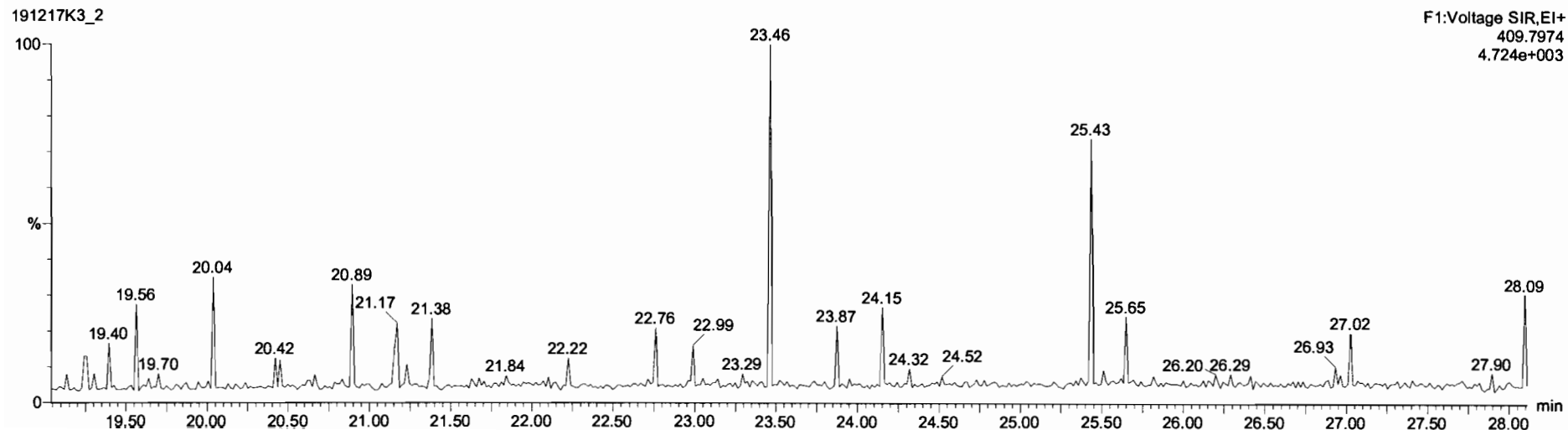


191217K3_2



DPE6

191217K3_2



Dataset: Untitled

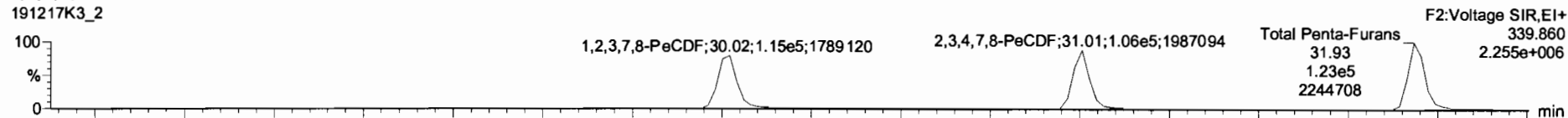
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

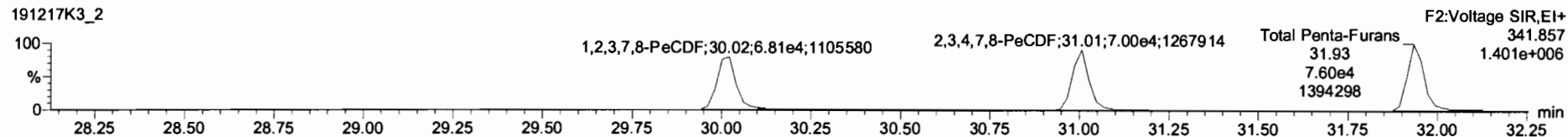
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,7,8-PeCDF

191217K3_2

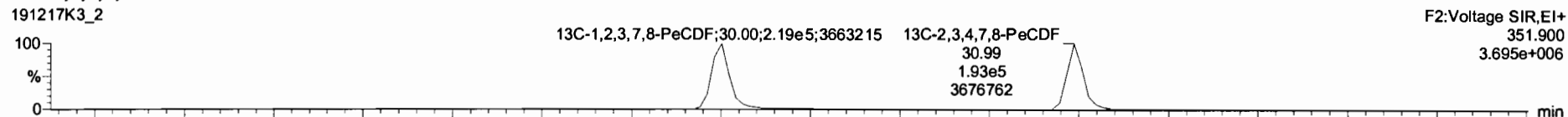


191217K3_2

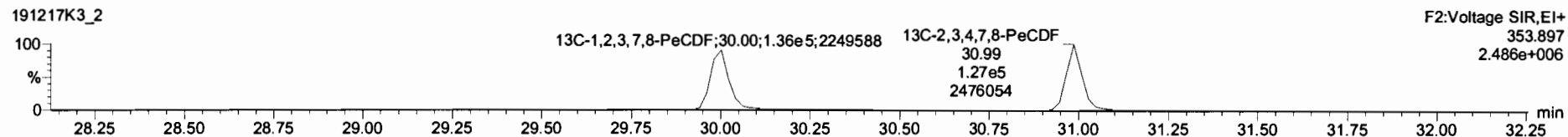


13C-1,2,3,7,8-PeCDF

191217K3_2

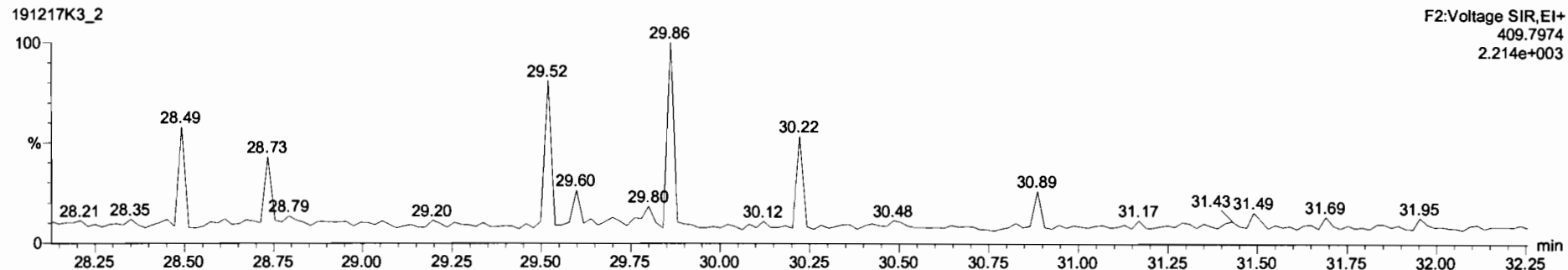


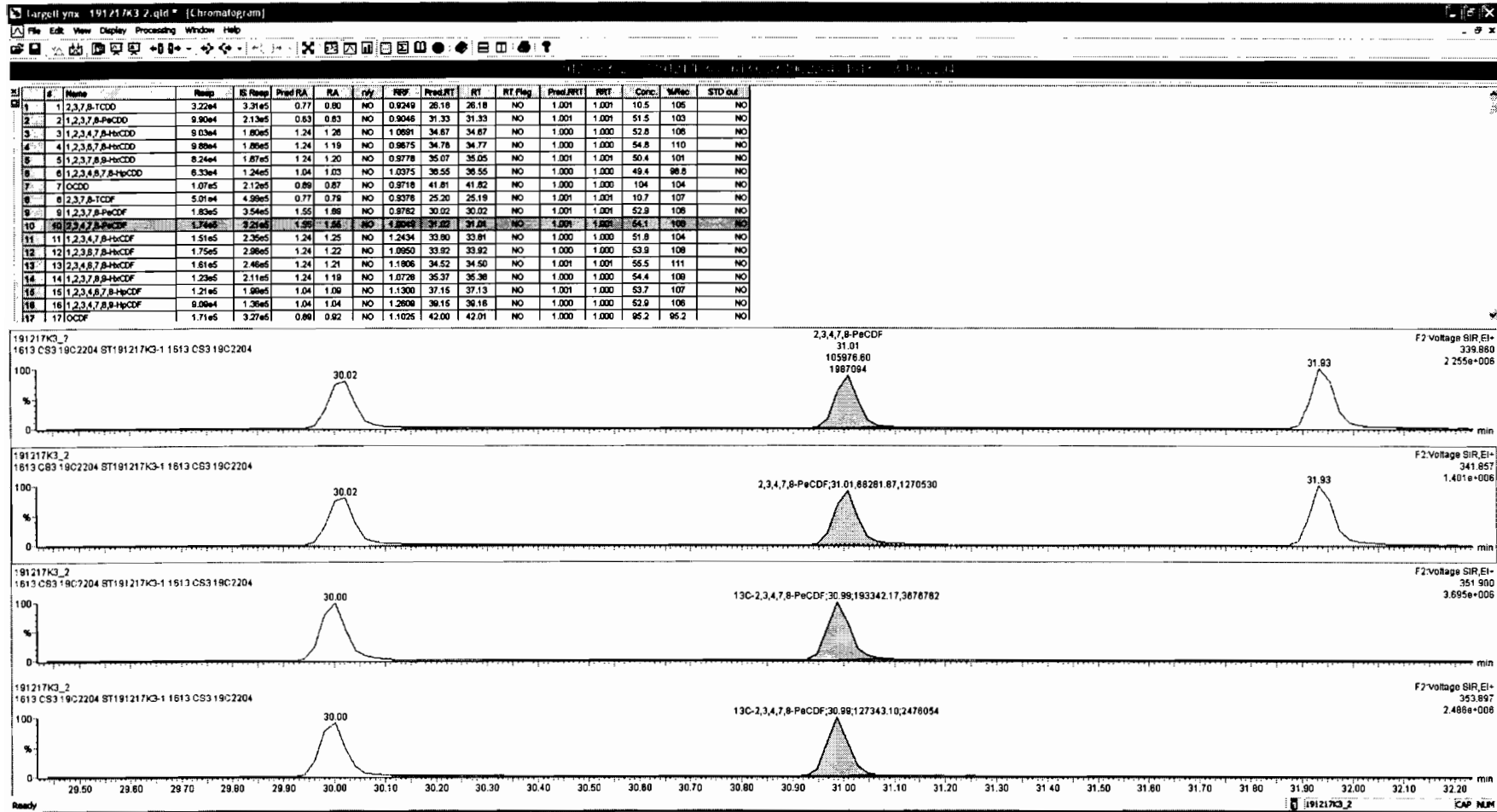
191217K3_2



DPE2

191217K3_2





Dataset: Untitled

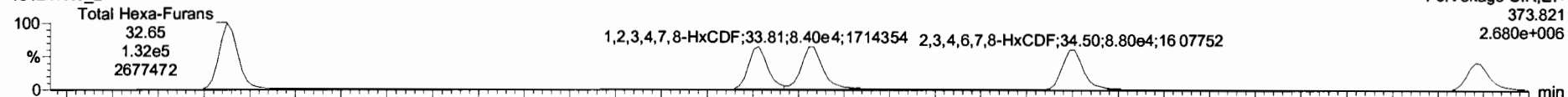
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

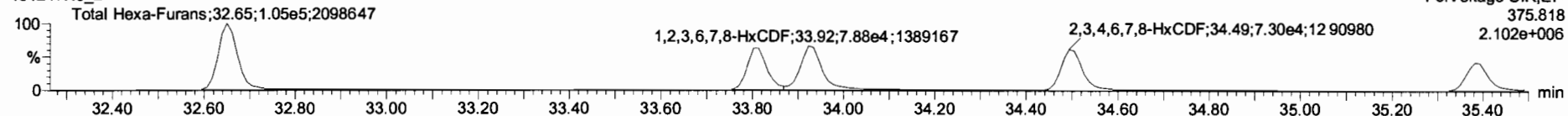
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,7,8-HxCDF

191217K3_2

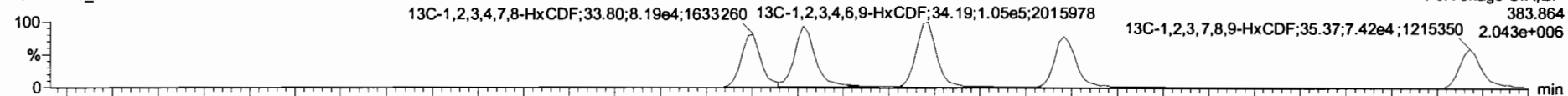


191217K3_2

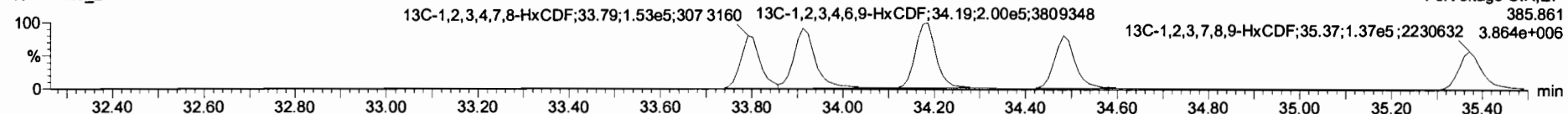


13C-1,2,3,4,7,8-HxCDF

191217K3_2

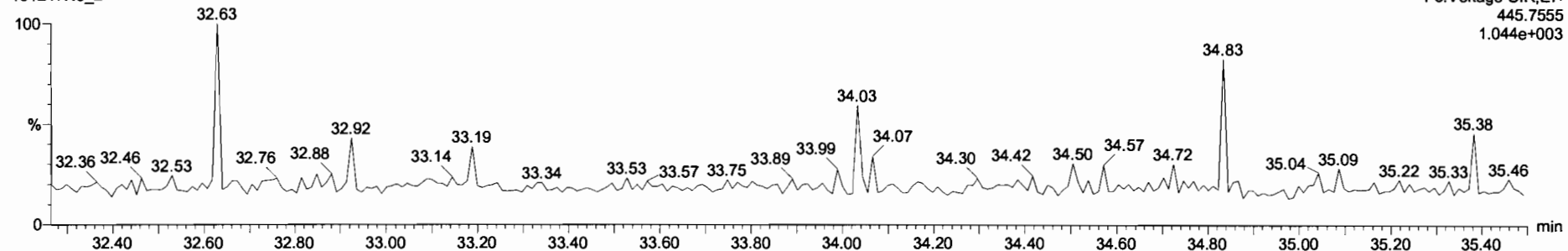


191217K3_2



DPE3

191217K3_2



Dataset: Untitled

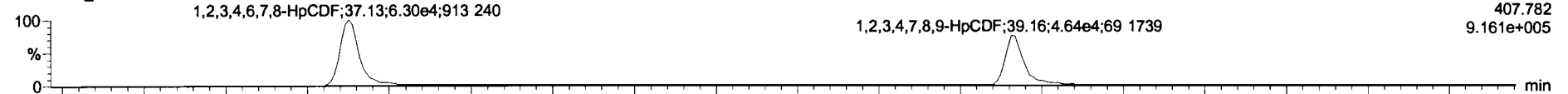
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

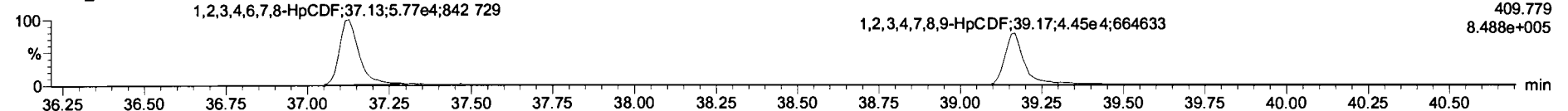
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,6,7,8-HpCDF

191217K3_2

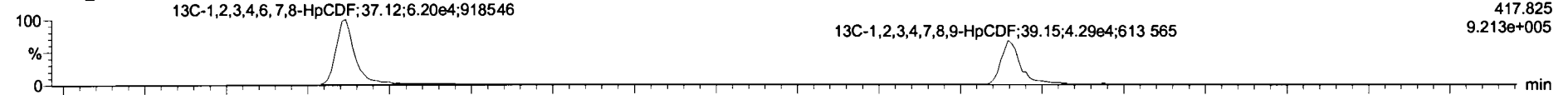


191217K3_2

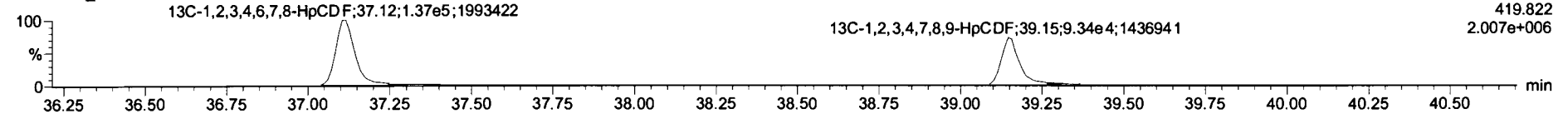


13C-1,2,3,4,6,7,8-HpCDF

191217K3_2

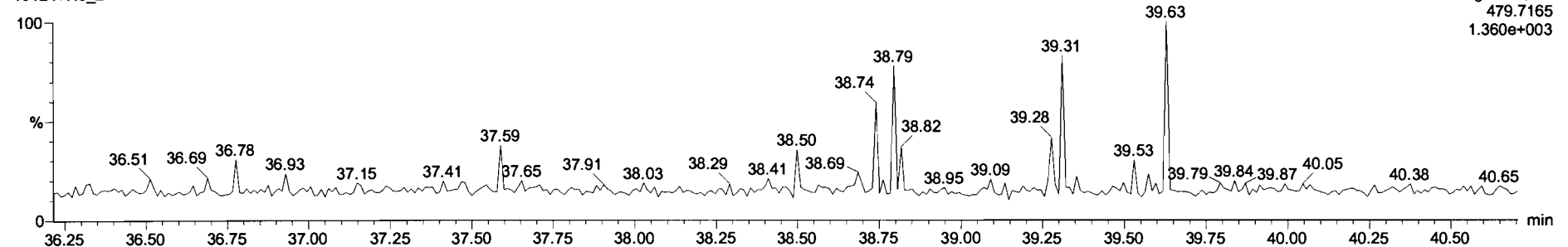


191217K3_2



DPE4

191217K3_2

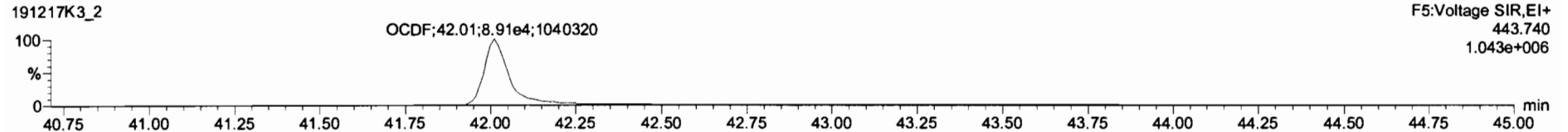
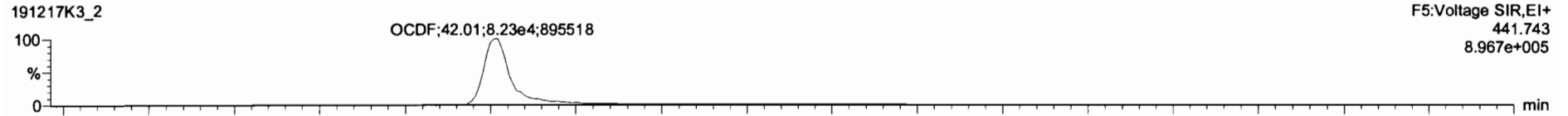


Dataset: Untitled

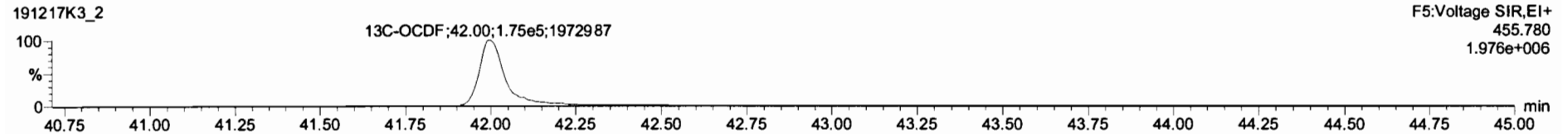
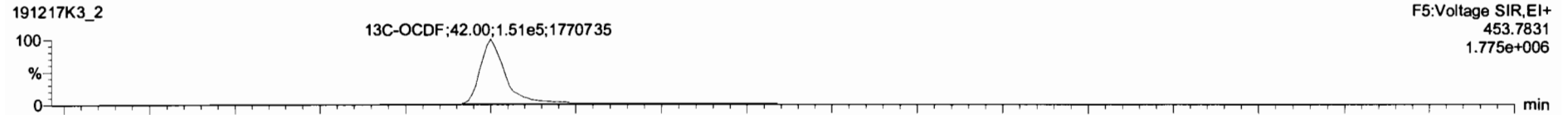
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time
Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

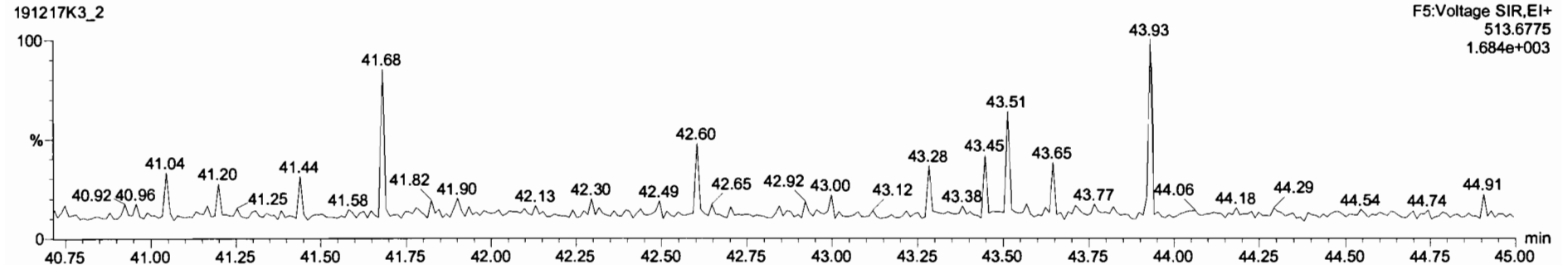
OCDF



13C-OCDF

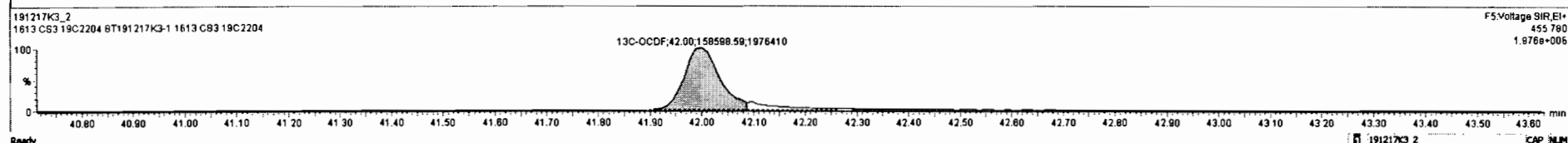
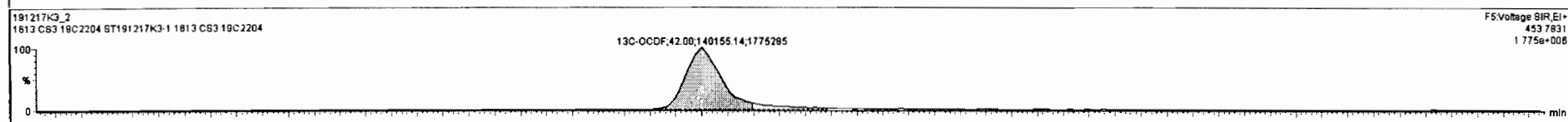
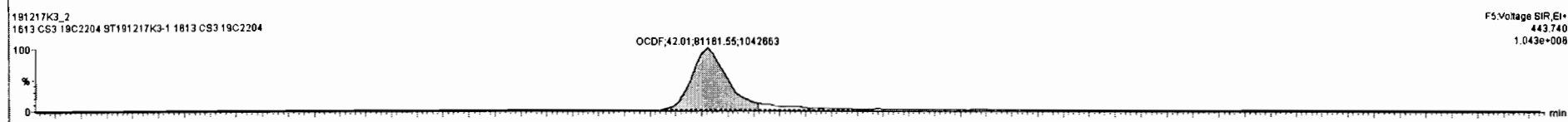
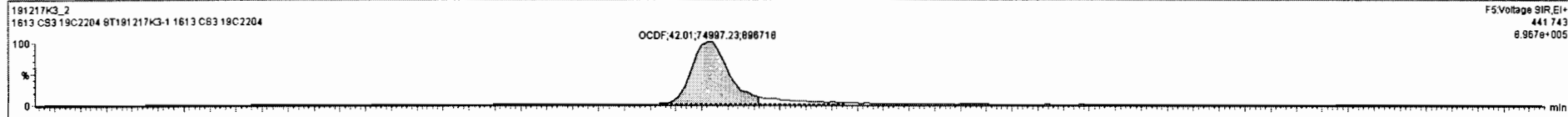


DPE5





#	Name	Reap	IS Reap	Prod RA	RA	n/y	RRF	Prod.RT	RT	RT Flag	Prod.RRT	RRT	Conc	%Rec	STD out
16	1,2,3,4,7,8,9-HpCDF	9.09e4	1.36e5	1.04	1.04	NO	1.2609	39.15	39.16	NO	1.000	1.000	52.9	106	NO
17	OCDF	1.28e5	2.88e5	0.80	0.80	NO	1.1026	42.00	42.01	NO	1.000	1.000	94.8	94.8	NO
18	13C-2,3,7,8-TCDD	3.31e5	3.22e5	0.77	0.78	NO	1.0489	26.16	26.15	NO	1.027	1.027	98.0	98.0	NO
19	13C-1,2,3,7,8-PeCDD	2.13e5	3.22e5	0.63	0.65	NO	0.7429	31.31	31.31	NO	1.230	1.229	88.8	88.8	NO
20	13C-1,2,3,4,7,8-HxCDD	1.80e5	2.89e5	1.24	1.24	NO	0.8463	34.86	34.86	NO	1.014	1.014	85.6	85.6	NO
21	13C-1,2,3,6,7,8-HxCDD	1.86e5	2.89e5	1.24	1.20	NO	0.7767	34.76	34.76	NO	1.017	1.017	83.1	83.1	YES
22	13C-1,2,3,7,8-HxCDD	1.87e5	2.89e5	1.24	1.20	NO	0.6595	35.03	35.03	NO	1.025	1.025	87.7	87.7	NO
23	13C-1,2,3,4,6,7,8-HpCDD	1.24e5	2.89e5	1.04	1.06	NO	0.5342	38.53	38.54	NO	1.127	1.127	80.1	80.1	NO
24	13C-OCDD	2.12e5	2.89e5	0.89	0.90	NO	0.4704	41.81	41.81	NO	1.223	1.223	156	77.9	NO
25	13C-2,3,7,8-TCDF	4.99e5	5.29e5	0.77	0.73	NO	0.9775	25.17	25.17	NO	0.989	0.989	98.5	98.5	NO
26	13C-1,2,3,7,8-PeCDF	3.54e5	5.29e5	1.55	1.61	NO	0.7778	30.00	30.00	NO	1.178	1.178	86.1	86.1	NO
27	13C-2,3,4,7,8-PeCDF	3.21e5	5.29e5	1.55	1.52	NO	0.7489	30.99	30.99	NO	1.217	1.217	80.8	80.8	NO
28	13C-1,2,3,4,7,8-HxCDF	2.35e5	2.89e5	0.51	0.54	NO	0.8452	33.80	33.80	NO	0.989	0.989	96.1	96.1	NO
29	13C-1,2,3,6,7,8-HxCDF	2.96e5	2.89e5	0.51	0.52	NO	1.0267	33.91	33.91	NO	0.992	0.992	99.8	99.8	NO
30	13C-2,3,4,6,7,8-HxCDF	2.46e5	2.89e5	0.51	0.54	NO	0.8829	34.49	34.48	NO	1.009	1.009	95.3	95.3	NO
31	13C-1,2,3,7,8,9-HxCDF	2.11e5	2.89e5	0.51	0.54	NO	0.7343	35.38	35.37	NO	1.035	1.035	89.5	89.5	NO
32	13C-1,2,3,4,6,7,8-HpCDF	1.99e5	2.89e5	0.44	0.45	NO	0.7542	37.11	37.12	NO	1.085	1.086	91.2	91.2	NO

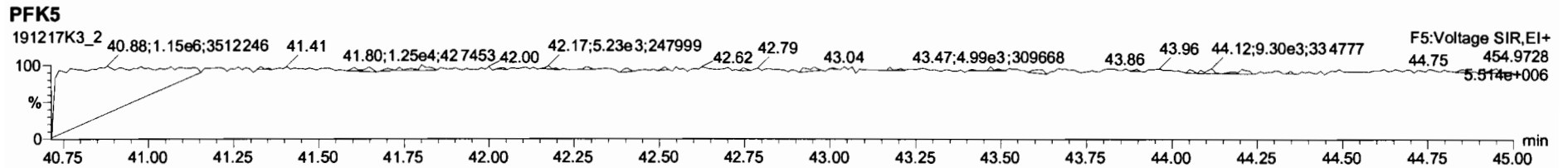
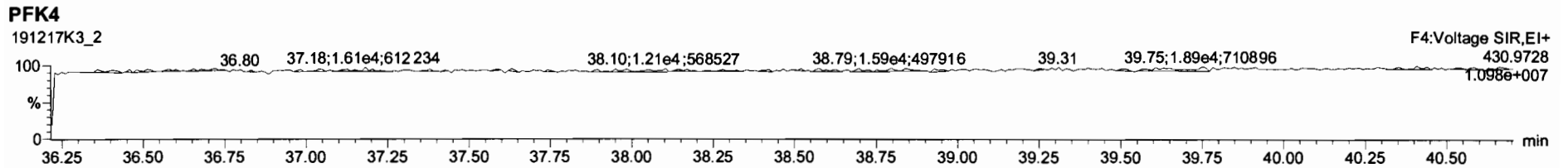
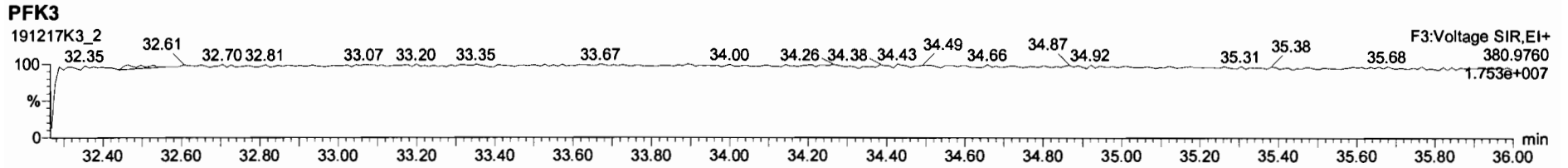
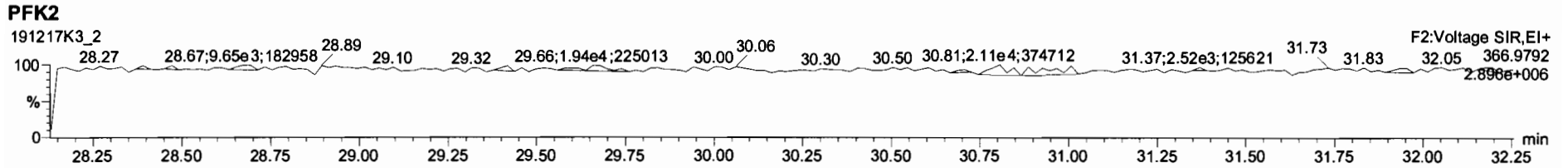
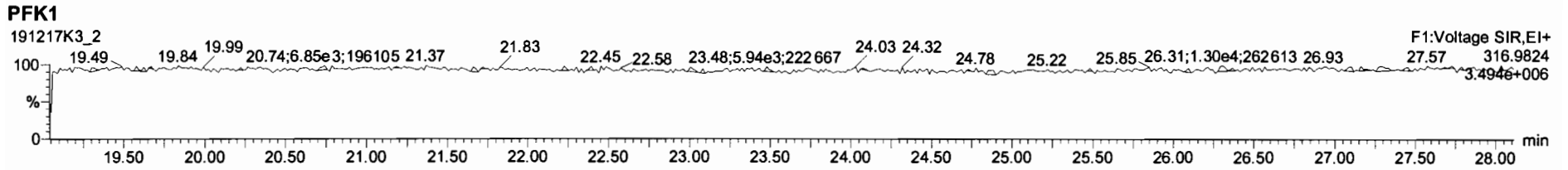


Dataset: Untitled

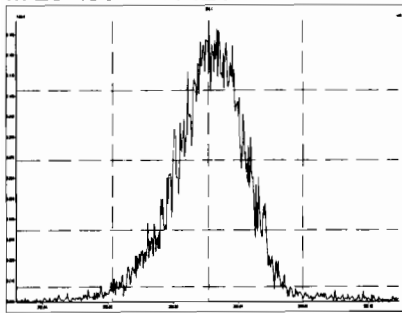
Last Altered: Wednesday, December 18, 2019 18:18:07 Pacific Standard Time

Printed: Wednesday, December 18, 2019 18:18:52 Pacific Standard Time

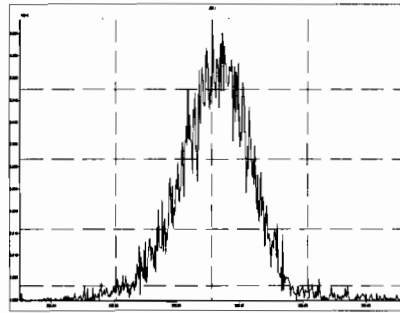
Name: 191217K3_2, Date: 18-Dec-2019, Time: 02:54:19, ID: ST191217K3-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204



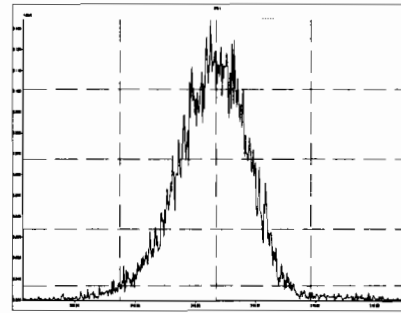
M 292.9824 R 12124



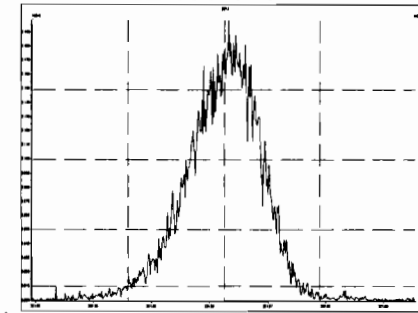
M 304.9824 R 13049



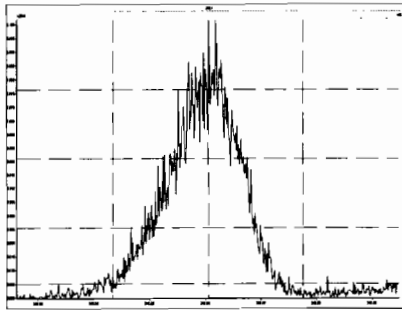
M 318.9792 R 12362



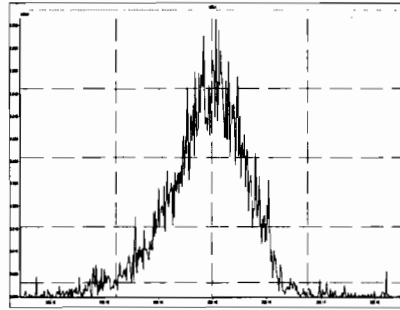
M 330.9792 R 11743



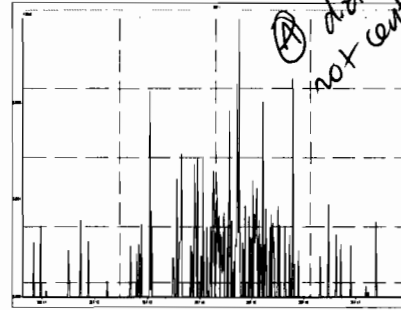
M 342.9792 R 11565



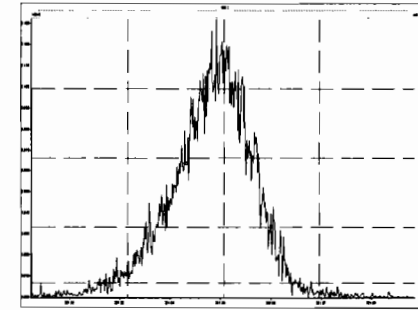
M 354.9792 R 12048



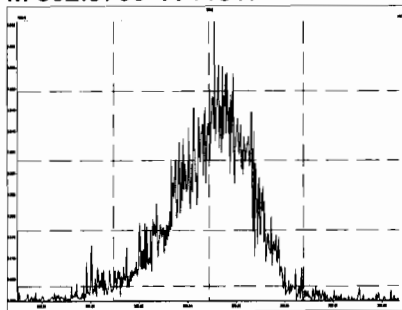
M 366.9792 R 500003



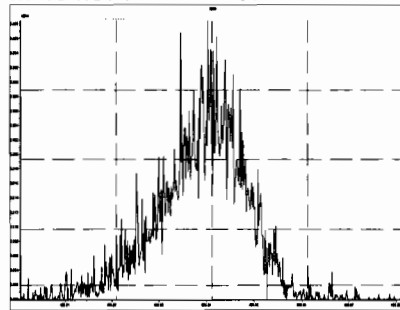
M 380.9760 R 10661



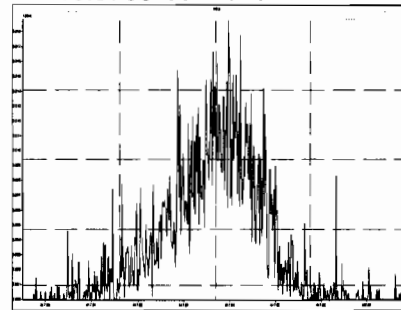
M 392.9760 R 11317



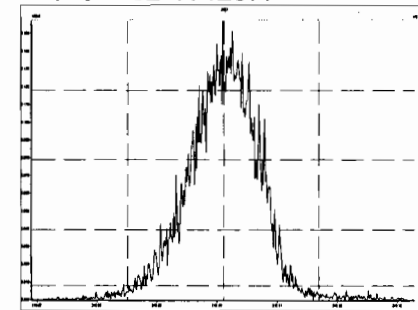
M 404.9760 R 12237



M 416.9760 R 14643

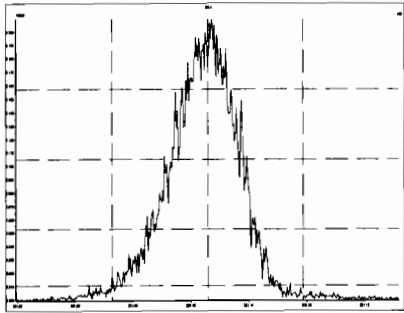


M 318.9792 R 12877

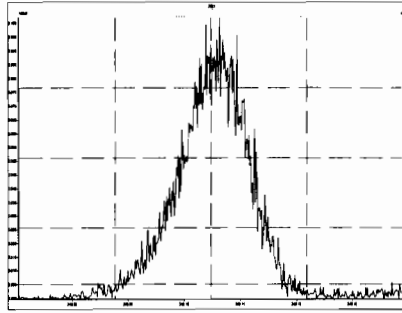


Printed: Wednesday, December 18, 2019 15:07:50 Pacific Standard Time

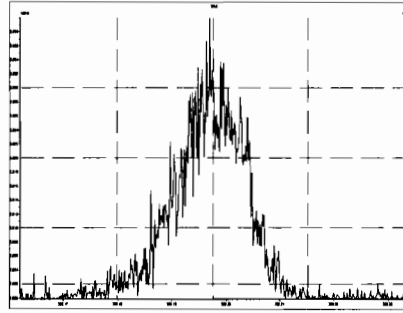
M 330.9792 R 12690



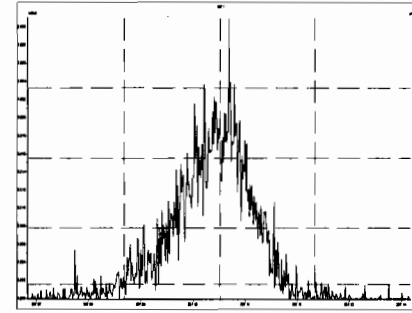
M 342.9792 R 11723



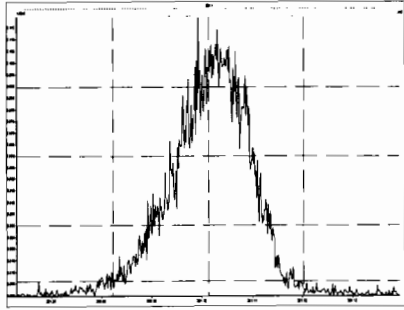
M 354.9792 R 14371



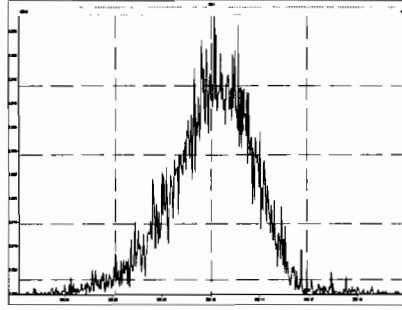
M 366.9792 R 12507



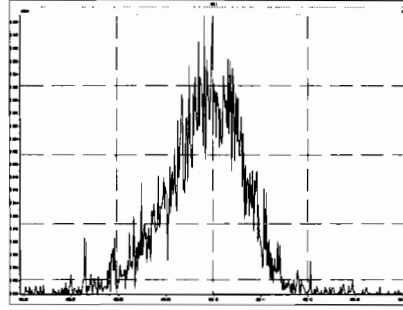
M 380.9760 R 11286



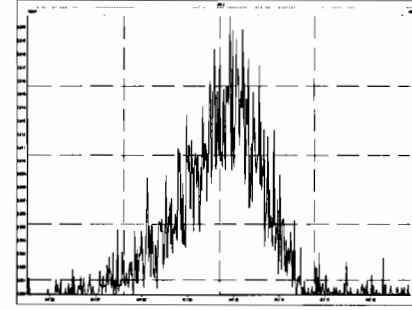
M 392.9760 R 11643



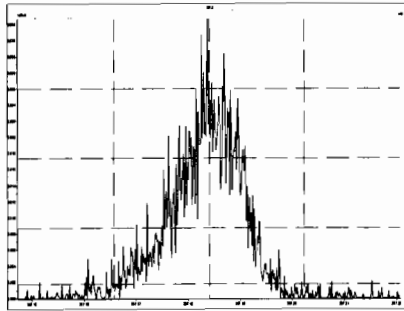
M 404.9760 R 13488



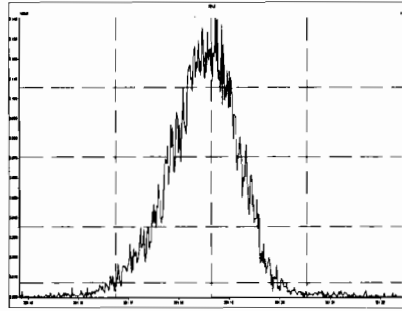
M 416.9760 R 12426



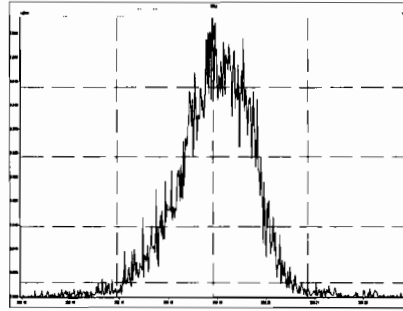
M 366.9792 R 14746



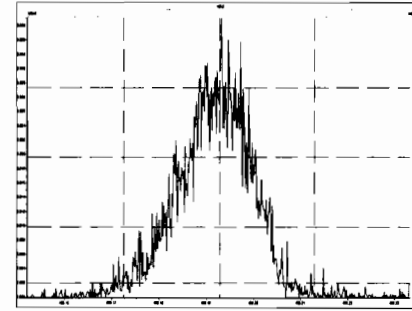
M 380.9760 R 12419



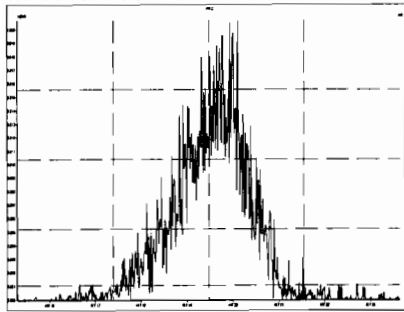
M 392.9760 R 12285



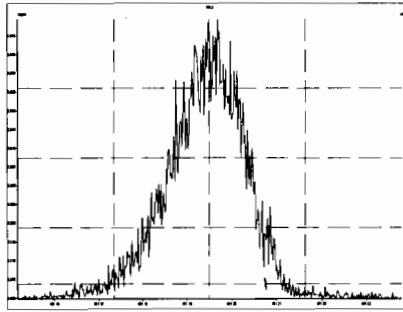
M 404.9760 R 13332



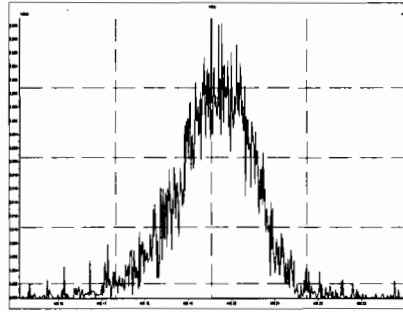
M 416.9760 R 14667



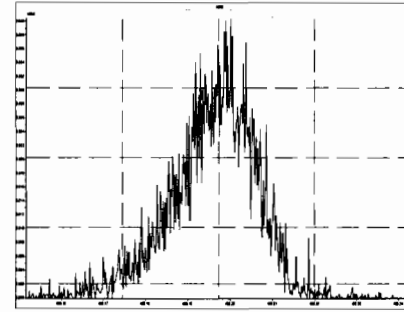
M 430.9728 R 12225



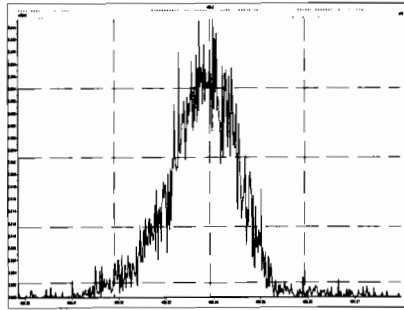
M 442.9728 R 11982



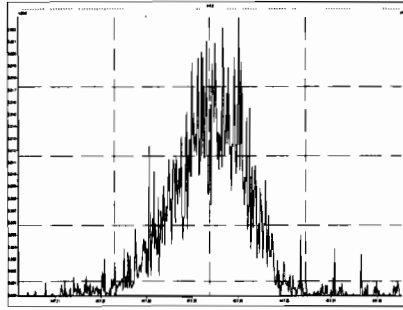
M 454.9728 R 12358



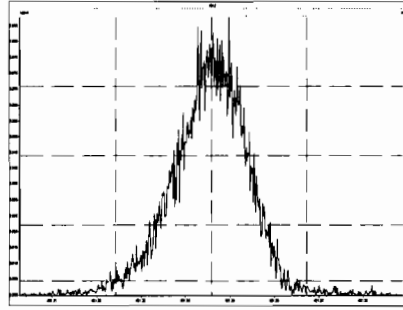
M 404.9760 R 14160



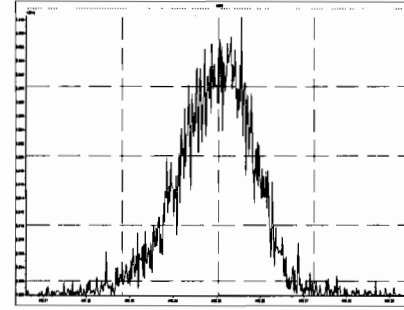
M 416.9760 R 14097



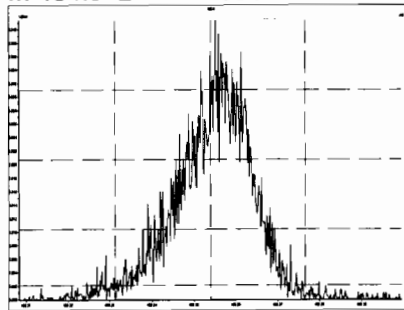
M 430.9728 R 11993



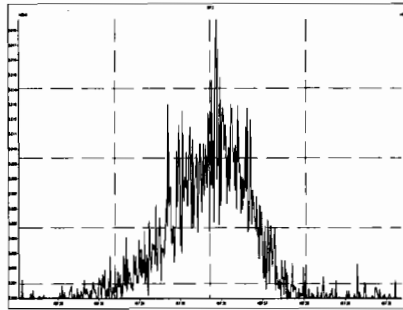
M 442.9728 R 12548



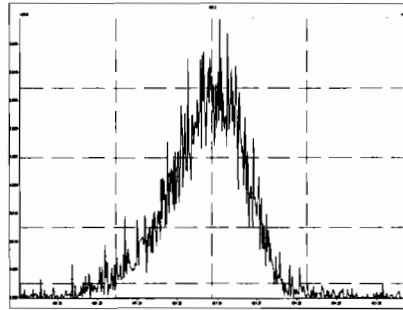
M 454.9728 R 12091



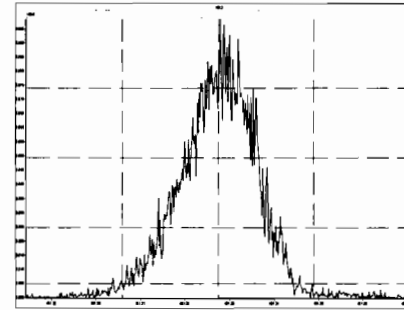
M 466.9728 R 14612



M 480.9696 R 11240

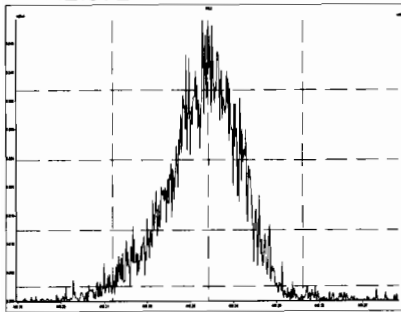


M 430.9728 R 11746

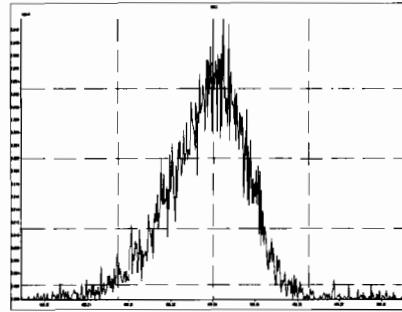


Printed: Wednesday, December 18, 2019 15:07:50 Pacific Standard Time

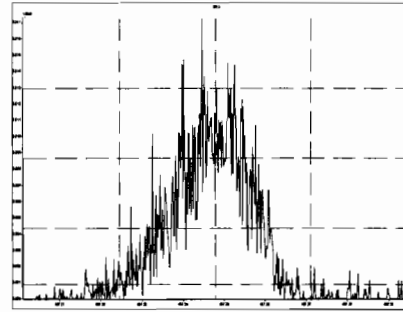
M 442.9728 R 11709



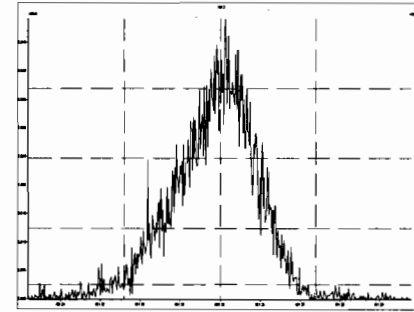
M 454.9728 R 11772



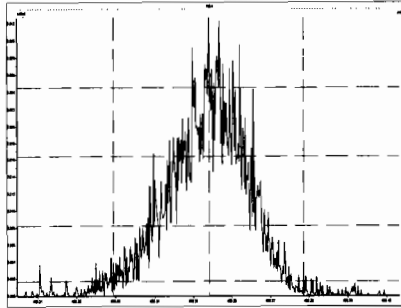
M 466.9728 R 14651



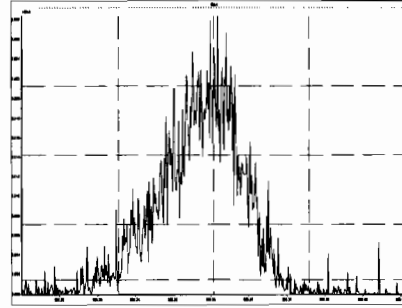
M 480.9696 R 11522



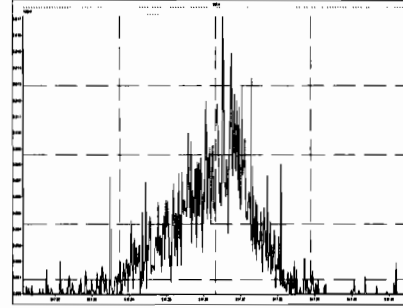
M 492.9696 R 12241



M 504.9696 R 11908



M 516.9697 R 14623



HRMS CALIBRATION STANDARDS REVIEW CHECKLIST

Beg. Calibration ID: ST191218K1-1

Reviewed By: GRB 12/19/19
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>IC</u>	<u>IC</u>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
- Samples within 12 hour clock?	(Y)	N
- Bottle position verified?	<u>1P</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 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:

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-1.qld

Last Altered: Thursday, December 19, 2019 09:55:43 Pacific Standard Time

Printed: Thursday, December 19, 2019 09:56:04 Pacific Standard Time

HC 12.19.19

GRB 12/19/19

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
1	1 2,3,7,8-TCDD	2.44e4	2.62e5	0.76	NO	0.925	26.17	26.17	NO	1.001	1.001	10.086	101	NO
2	2 1,2,3,7,8-PeCDD	7.44e4	1.58e5	0.65	NO	0.905	31.31	31.31	NO	1.001	1.001	51.864	104	NO
3	3 1,2,3,4,7,8-HxCDD	6.56e4	1.19e5	1.29	NO	1.07	34.66	34.67	NO	1.000	1.001	51.672	103	NO
4	4 1,2,3,6,7,8-HxCDD	7.30e4	1.41e5	1.27	NO	0.967	34.76	34.77	NO	1.000	1.000	53.605	107	NO
5	5 1,2,3,7,8,9-HxCDD	6.36e4	1.27e5	1.26	NO	0.978	35.06	35.03	NO	1.001	1.000	51.135	102	NO
6	6 1,2,3,4,6,7,8-HpCDD	4.74e4	9.10e4	1.05	NO	1.04	38.54	38.55	NO	1.000	1.001	50.210	100	NO
7	7 OCDD	8.25e4	1.61e5	0.90	NO	0.972	41.81	41.82	NO	1.000	1.000	105.33	105	NO
8	8 2,3,7,8-TCDF	3.66e4	3.62e5	0.78	NO	0.938	25.18	25.19	NO	1.001	1.001	10.785	108	NO
9	9 1,2,3,7,8-PeCDF	1.27e5	2.50e5	1.59	NO	0.976	30.00	30.00	NO	1.001	1.001	51.930	104	NO
10	10 2,3,4,7,8-PeCDF	1.23e5	2.31e5	1.53	NO	1.00	31.02	30.99	NO	1.001	1.000	53.073	106	NO
11	11 1,2,3,4,7,8-HxCDF	1.05e5	1.67e5	1.29	NO	1.24	33.78	33.80	NO	1.000	1.001	50.758	102	NO
12	12 1,2,3,6,7,8-HxCDF	1.20e5	2.07e5	1.21	NO	1.10	33.91	33.92	NO	1.000	1.001	53.035	106	NO
13	13 2,3,4,6,7,8-HxCDF	1.14e5	1.81e5	1.28	NO	1.18	34.51	34.49	NO	1.001	1.001	53.291	107	NO
14	14 1,2,3,7,8,9-HxCDF	8.71e4	1.48e5	1.26	NO	1.07	35.36	35.37	NO	1.000	1.000	54.720	109	NO
15	15 1,2,3,4,6,7,8-HpCDF	8.53e4	1.44e5	1.02	NO	1.13	37.14	37.12	NO	1.001	1.000	52.481	105	NO
16	16 1,2,3,4,7,8,9-HpCDF	6.48e4	9.69e4	1.00	NO	1.26	39.15	39.16	NO	1.000	1.000	53.041	106	NO
17	17 OCDF	1.13e5	2.17e5	0.90	NO	1.10	42.00	42.01	NO	1.000	1.000	94.527	94.5	NO
18	18 13C-2,3,7,8-TCDD	2.62e5	2.47e5	0.78	NO	1.05	26.15	26.14	NO	1.027	1.027	101.03	101	NO
19	19 13C-1,2,3,7,8-PeCDD	1.58e5	2.47e5	0.64	NO	0.743	31.29	31.29	NO	1.230	1.229	86.388	86.4	NO
20	20 13C-1,2,3,4,7,8-HxCDD	1.19e5	2.13e5	1.26	NO	0.646	34.64	34.65	NO	1.014	1.014	86.382	86.4	NO
21	21 13C-1,2,3,6,7,8-HxCDD	1.41e5	2.13e5	1.24	NO	0.777	34.73	34.76	NO	1.017	1.017	85.169	85.2	NO
22	22 13C-1,2,3,7,8,9-HxCDD	1.27e5	2.13e5	1.15	NO	0.659	35.01	35.02	NO	1.025	1.025	90.688	90.7	NO
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.10e4	2.13e5	1.06	NO	0.534	38.51	38.53	NO	1.127	1.128	80.142	80.1	NO
24	24 13C-OCDD	1.61e5	2.13e5	0.88	NO	0.470	41.79	41.81	NO	1.223	1.224	161.20	80.6	NO
25	25 13C-2,3,7,8-TCDF	3.62e5	3.83e5	0.72	NO	0.977	25.16	25.16	NO	0.989	0.989	96.665	96.7	NO
26	26 13C-1,2,3,7,8-PeCDF	2.50e5	3.83e5	1.48	NO	0.778	29.98	29.98	NO	1.178	1.178	83.829	83.8	NO
27	27 13C-2,3,4,7,8-PeCDF	2.31e5	3.83e5	1.55	NO	0.750	30.97	30.99	NO	1.217	1.218	80.244	80.2	NO
28	28 13C-1,2,3,4,7,8-HxCDF	1.67e5	2.13e5	0.52	NO	0.845	33.77	33.78	NO	0.989	0.989	92.801	92.8	NO
29	29 13C-1,2,3,6,7,8-HxCDF	2.07e5	2.13e5	0.52	NO	1.03	33.89	33.90	NO	0.992	0.992	95.002	95.0	NO
30	30 13C-2,3,4,6,7,8-HxCDF	1.81e5	2.13e5	0.50	NO	0.893	34.46	34.47	NO	1.009	1.009	95.288	95.3	NO
31	31 13C-1,2,3,7,8,9-HxCDF	1.48e5	2.13e5	0.52	NO	0.734	35.37	35.36	NO	1.035	1.035	94.970	95.0	NO

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-1.qld

Last Altered: Thursday, December 19, 2019 09:55:43 Pacific Standard Time

Printed: Thursday, December 19, 2019 09:56:04 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	Resp	IS Resp	RA	n/y	RRF	Pred.RT	RT	RT Flag	Pred.RRT	RRT	Conc.	%Rec	STD out
32	13C-1,2,3,4,6,7,8-HpCDF	1.44e5	2.13e5	0.43	NO	0.754	37.08	37.10	NO	1.085	1.086	89.722	89.7	NO
33	13C-1,2,3,4,7,8,9-HpCDF	9.69e4	2.13e5	0.44	NO	0.539	39.11	39.15	NO	1.145	1.146	84.560	84.6	NO
34	13C-OCDF	2.17e5	2.13e5	0.91	NO	0.593	41.97	42.00	NO	1.229	1.229	172.22	86.1	NO
35	37Cl-2,3,7,8-TCDD	2.57e4	2.47e5			1.07	26.17	26.17	NO	1.028	1.028	9.7287	97.3	NO
36	13C-1,2,3,4-TCDD	2.47e5	2.47e5	0.77	NO	1.00	25.45	25.45	NO	1.000	1.000	100.00	100	NO
37	13C-1,2,3,4-TCDF	3.83e5	3.83e5	0.74	NO	1.00	23.55	23.54	NO	1.000	1.000	100.00	100	NO
38	13C-1,2,3,4,6,9-HxCDF	2.13e5	2.13e5	0.50	NO	1.00	34.16	34.16	NO	1.000	1.000	100.00	100	NO

Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:48:47 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

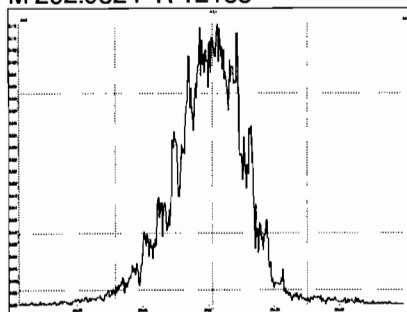
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	191218K1_1	ST191218K1-1 1613 CS3 19C2204	18-Dec-19	17:33:49
2	191218K1_2	SOLVENT BLANK	18-Dec-19	18:22:04
3	191218K1_3	1903739-02 PDI-026SC-A-12-12.6-191014 13....	18-Dec-19	19:10:06
4	191218K1_4	1903739-03 PDI-077SC-A-14-15-191014 13.13	18-Dec-19	19:57:23
5	191218K1_5	1903739-04 PDI-077SC-A-15-16-191014 12.51	18-Dec-19	20:45:44
6	191218K1_6	1903739-05 PDI-079SC-A-11-12-191014 13.37	18-Dec-19	21:34:05
7	191218K1_7	1903739-06 PDI-079SC-A-12-13.3-191014 13....	18-Dec-19	22:23:46
8	191218K1_8	1903741-01 PDI-049SC-A-14-15-191015 14.25	18-Dec-19	23:11:52
9	191218K1_9	1903741-02 PDI-049SC-A-15-15.5-191015 13....	18-Dec-19	23:59:08
10	191218K1_10	1903741-03 PDI-052SC-A-11-12-191015 14.96	19-Dec-19	00:47:28
11	191218K1_11	1903741-04 PDI-052SC-A-12-13.4-191015 13....	19-Dec-19	01:37:11
12	191218K1_12	1903741-05 PDI-055SC-A-11-12-191015 14.32	19-Dec-19	02:25:04
13	191218K1_13	1903741-06 PDI-055SC-A-12-13.1-191015 13....	19-Dec-19	03:12:27

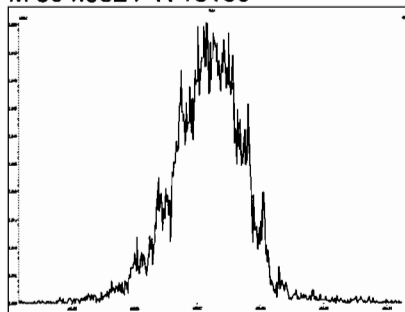
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, December 18, 2019 17:27:06 Pacific Standard Time

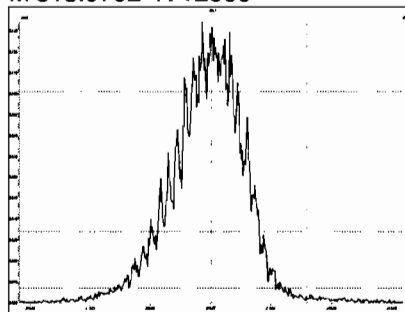
M 292.9824 R 12133



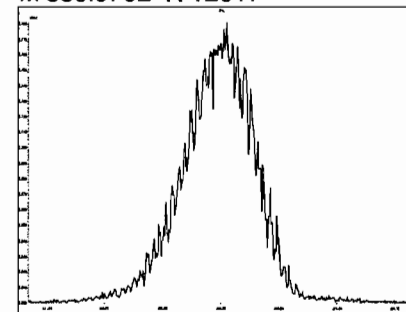
M 304.9824 R 13159



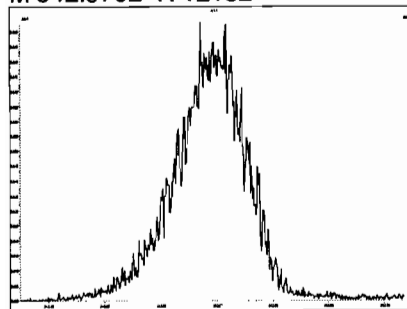
M 318.9792 R 12500



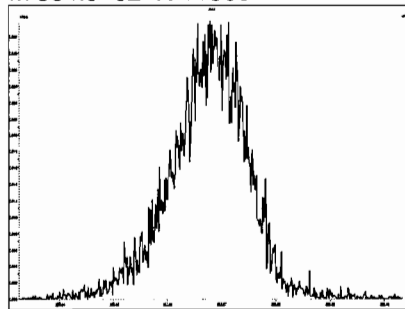
M 330.9792 R 12017



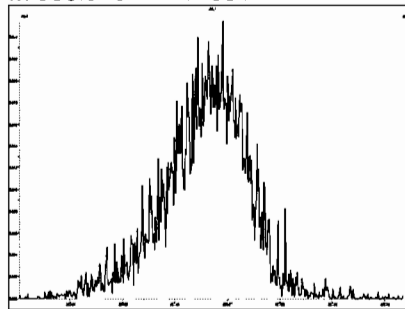
M 342.9792 R 12132



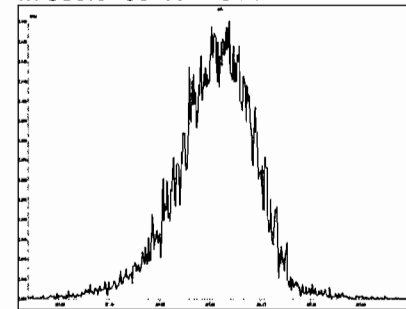
M 354.9792 R 11363



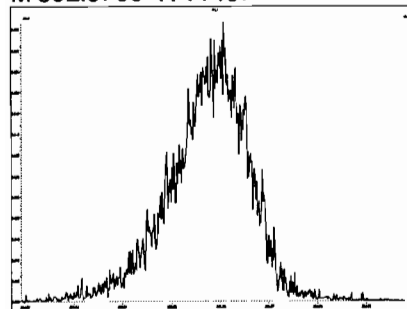
M 366.9792 R 11361



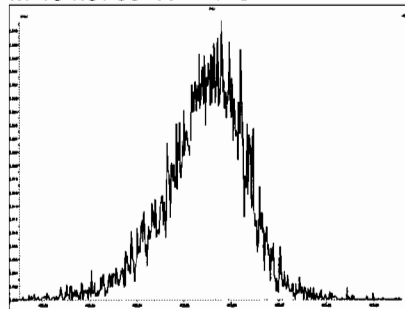
M 380.9760 R 11014



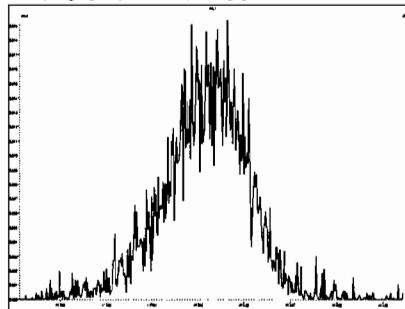
M 392.9760 R 11467



M 404.9760 R 11413



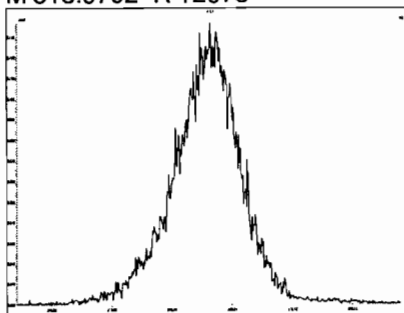
M 416.9760 R 12255



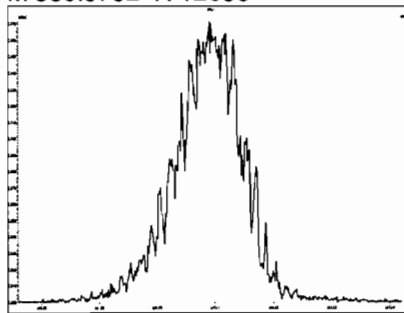
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, December 18, 2019 17:27:50 Pacific Standard Time

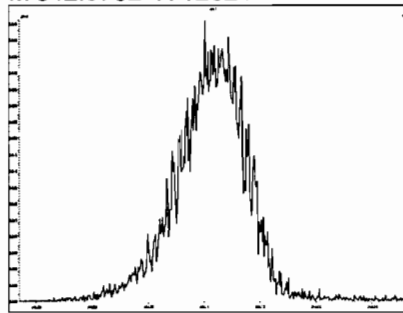
M 318.9792 R 12078



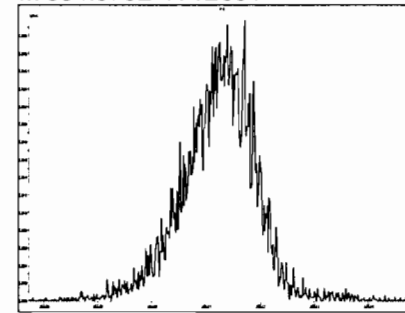
M 330.9792 R 12690



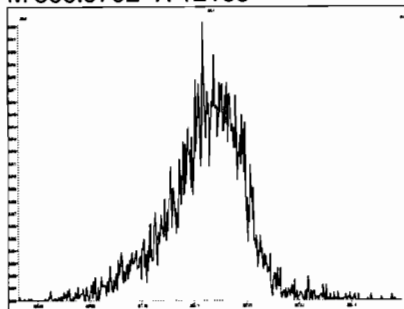
M 342.9792 R 12624



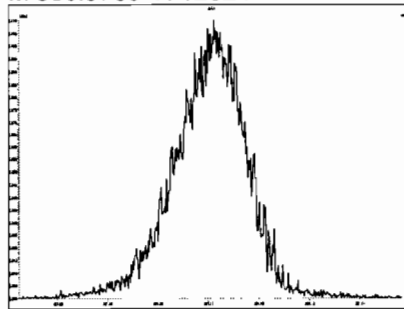
M 354.9792 R 12691



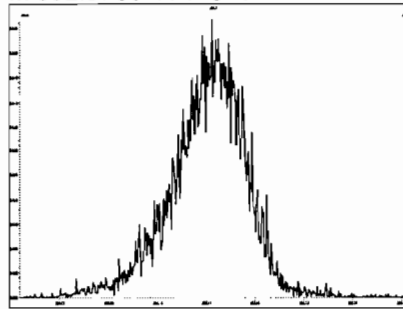
M 366.9792 R 12135



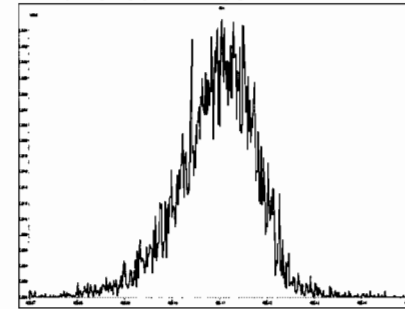
M 380.9760 R 12624



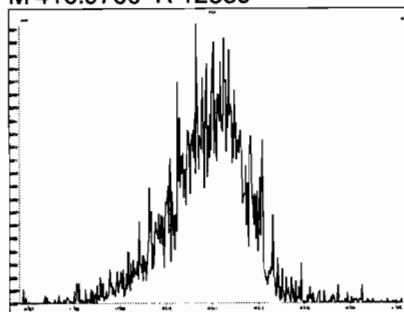
M 392.9760 R 12316



M 404.9760 R 12952



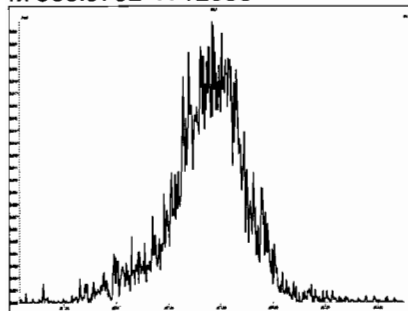
M 416.9760 R 12889



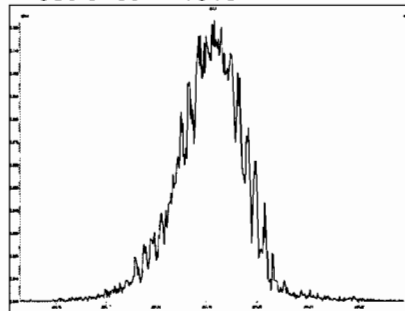
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, December 18, 2019 17:28:41 Pacific Standard Time

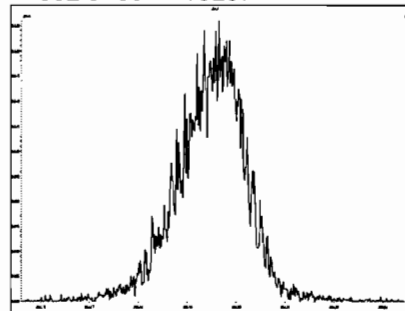
M 366.9792 R 12955



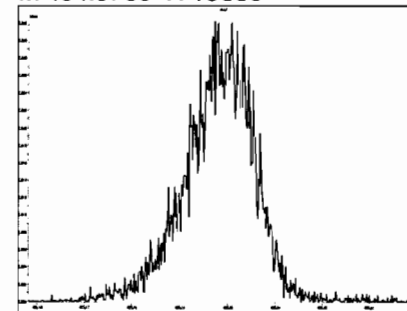
M 380.9760 R 13158



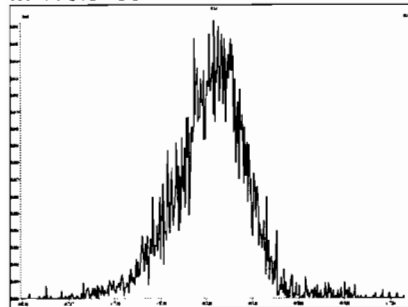
M 392.9760 R 13297



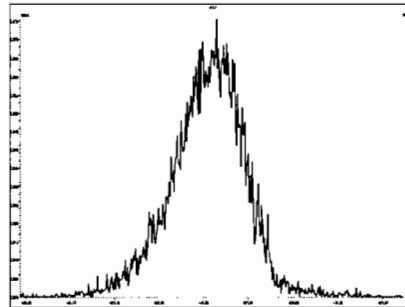
M 404.9760 R 13886



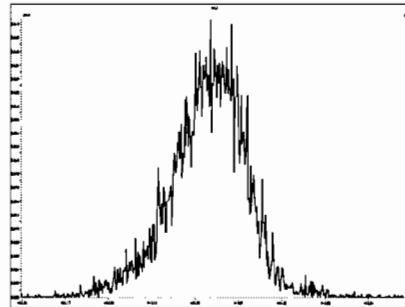
M 416.9760 R 12954



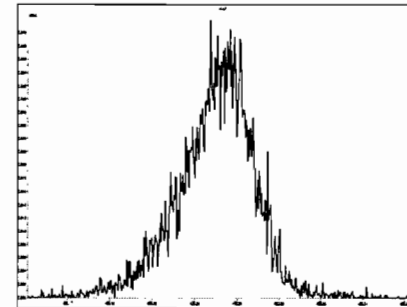
M 430.9728 R 12886



M 442.9728 R 11466



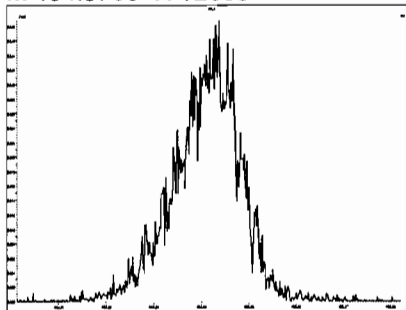
M 454.9728 R 11962



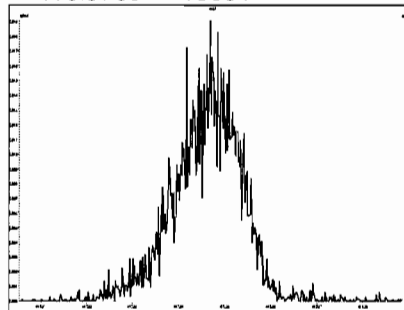
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Wednesday, December 18, 2019 17:29:22 Pacific Standard Time

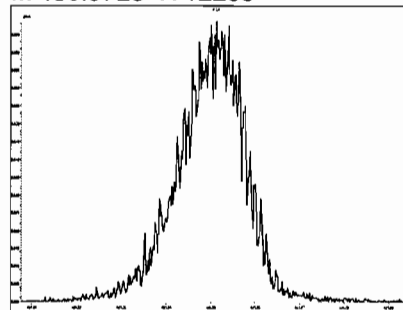
M 404.9760 R 12689



M 416.9760 R 13891

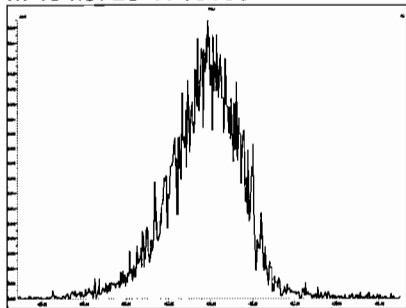


M 430.9728 R 12255

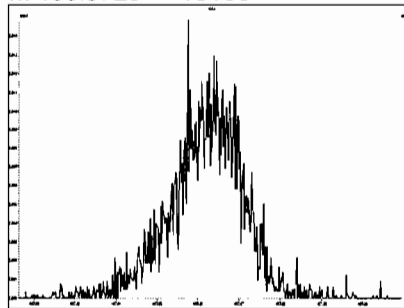


M 442.9728 R 13227

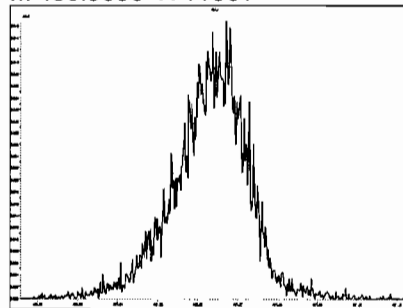
M 454.9728 R 13156



M 466.9728 R 13158



M 480.9696 R 11961



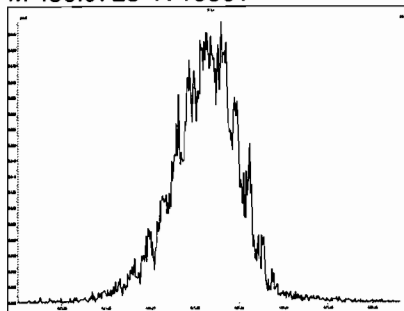
Experiment Calibration Report

MassLynx 4.1 SCN815

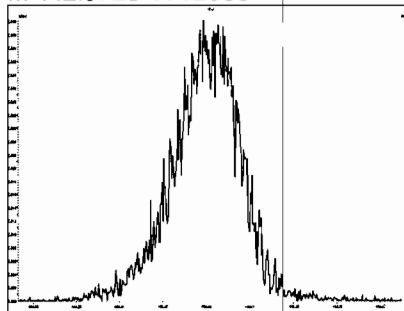
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Wednesday, December 18, 2019 17:30:07 Pacific Standard Time

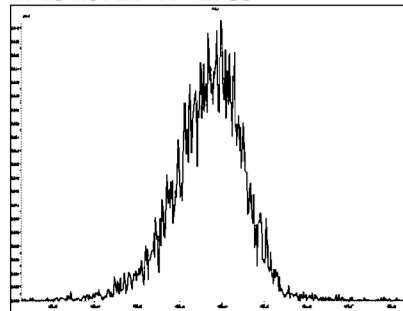
M 430.9728 R 13301



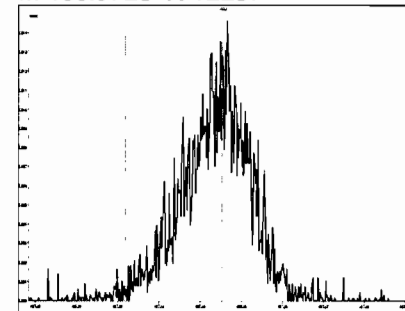
M 442.9728 R 12955



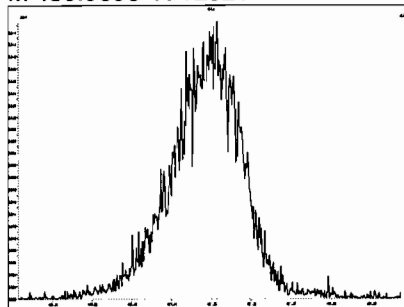
M 454.9728 R 12755



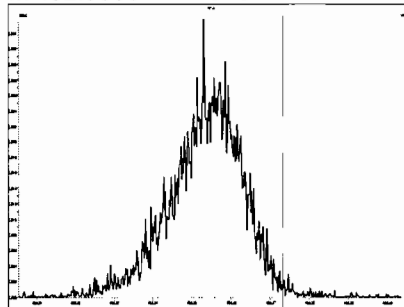
M 466.9728 R 12257



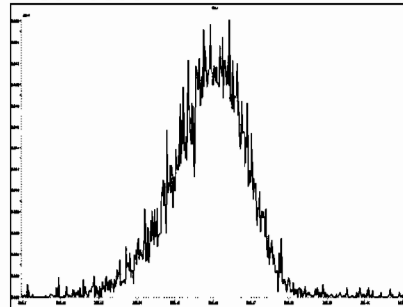
M 480.9696 R 12021



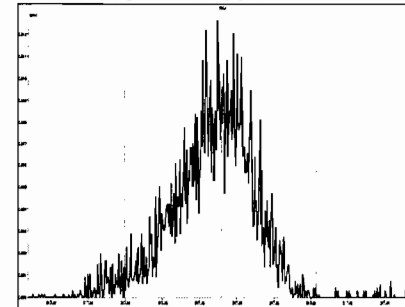
M 492.9696 R 12316



M 504.9696 R 11847



M 516.9697 R 11684



Dataset: U:\VG11.PRO\Results\191218K1\191218K1-CPSM.qld

Last Altered: Thursday, December 19, 2019 09:50:13 Pacific Standard Time

Printed: Thursday, December 19, 2019 09:50:41 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	RT
1	1,3,6,8-TCDD (First)	21.83
2	1,2,8,9-TCDD (Last)	27.19
3	1,2,4,7,9-PeCDD (First)	29.06
4	1,2,3,8,9-PeCDD (Last)	31.69
5	1,2,4,6,7,9-HxCDD (First)	33.19
6	1,2,3,7,8,9-HxCDD (Last)	35.03
7	1,2,3,4,6,7,9-HpCDD (First)	37.51
8	1,2,3,4,6,7,8-HpCDD (Last)	38.55
9	1,3,6,8-TCDF (First)	19.76
10	1,2,8,9-TCDF (Last)	27.33
11	1,3,4,6,8-PeCDF (First)	27.31
12	1,2,3,8,9-PeCDF (Last)	31.93
13	1,2,3,4,6,8-HxCDF (First)	32.64
14	1,2,3,7,8,9-HxCDF (Last)	35.37
15	1,2,3,4,6,7,8-HpCDF (First)	37.12
16	1,2,3,4,7,8,9-HpCDF (Last)	39.16

Dataset: U:\VG11.PRO\Results\191218K1\191218K1-CPSM.qld

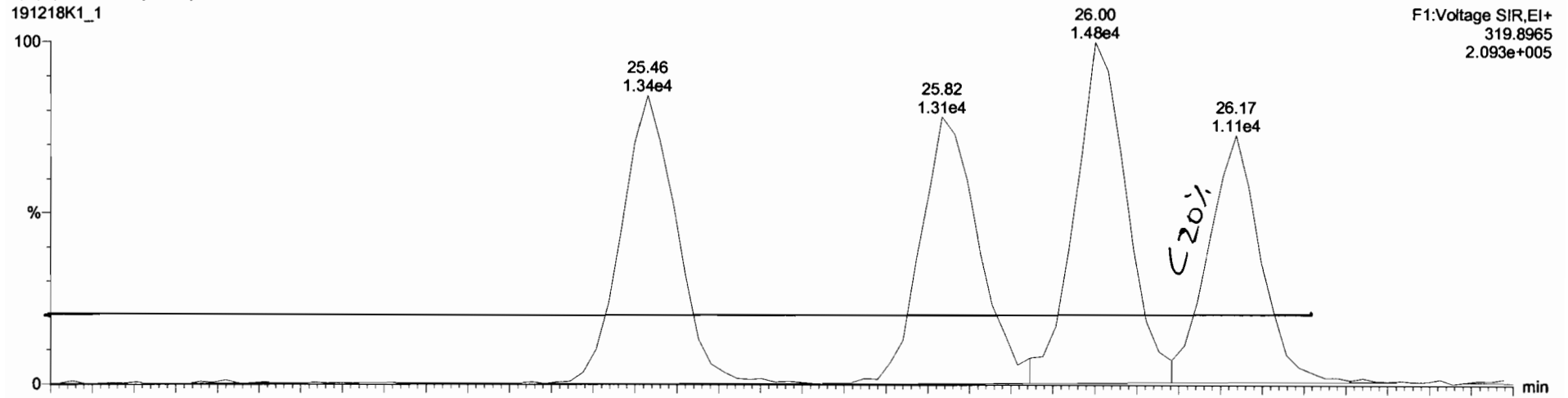
Last Altered: Thursday, December 19, 2019 09:50:13 Pacific Standard Time
Printed: Thursday, December 19, 2019 09:50:41 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\CPSM.mdb 18 Dec 2019 17:58:17
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

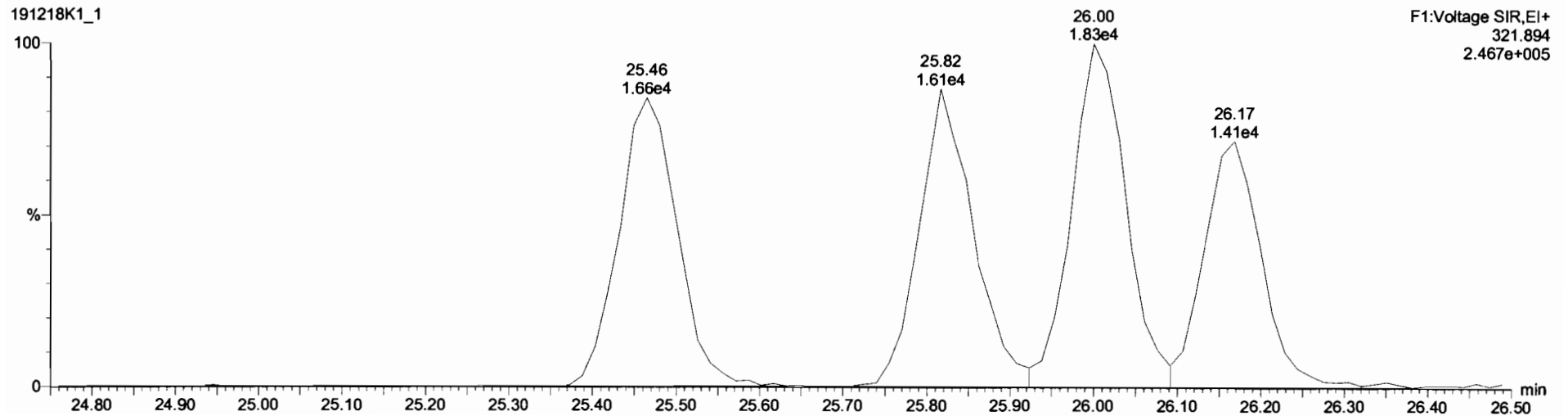
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,3,6,8-TCDD (First)

191218K1_1



191218K1_1



Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

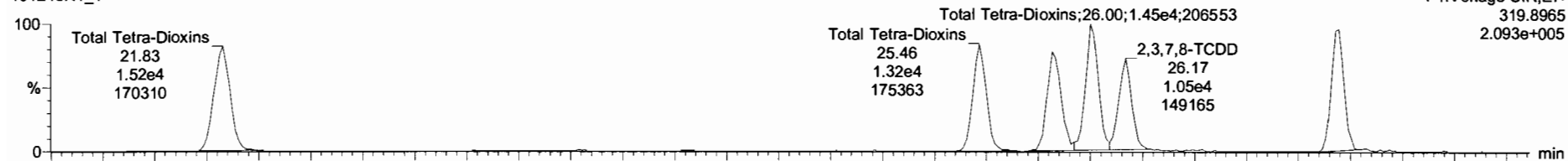
Method: U:\VG11.PRO\MethDB\1613_rrt-12-17-19.mdb 17 Dec 2019 14:52:57

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 06:55:45

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

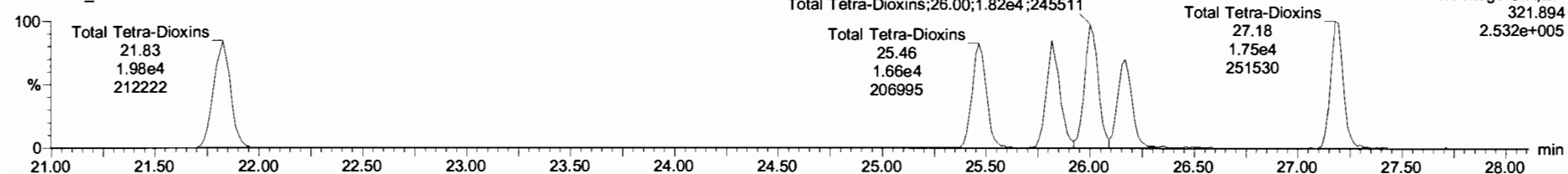
2,3,7,8-TCDD

191218K1_1



F1:Voltage SIR,EI+
319.8965
2.093e+005

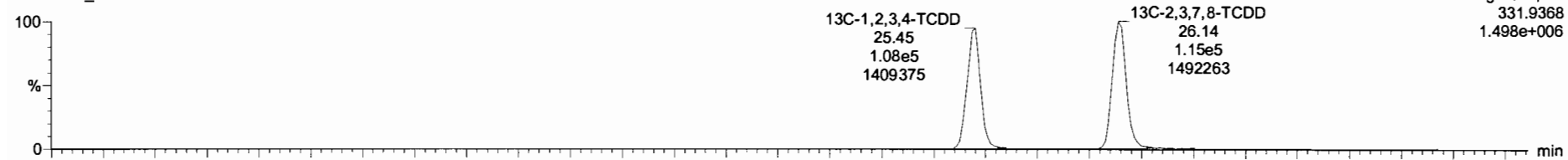
191218K1_1



F1:Voltage SIR,EI+
321.894
2.532e+005

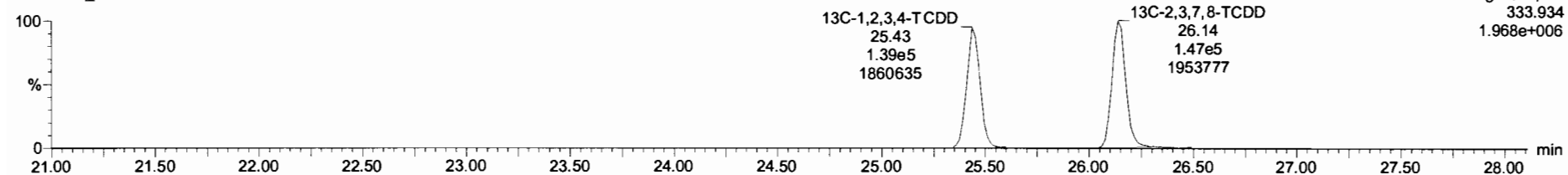
13C-2,3,7,8-TCDD

191218K1_1



F1:Voltage SIR,EI+
331.9368
1.498e+006

191218K1_1



F1:Voltage SIR,EI+
333.934
1.968e+006

Dataset: Untitled

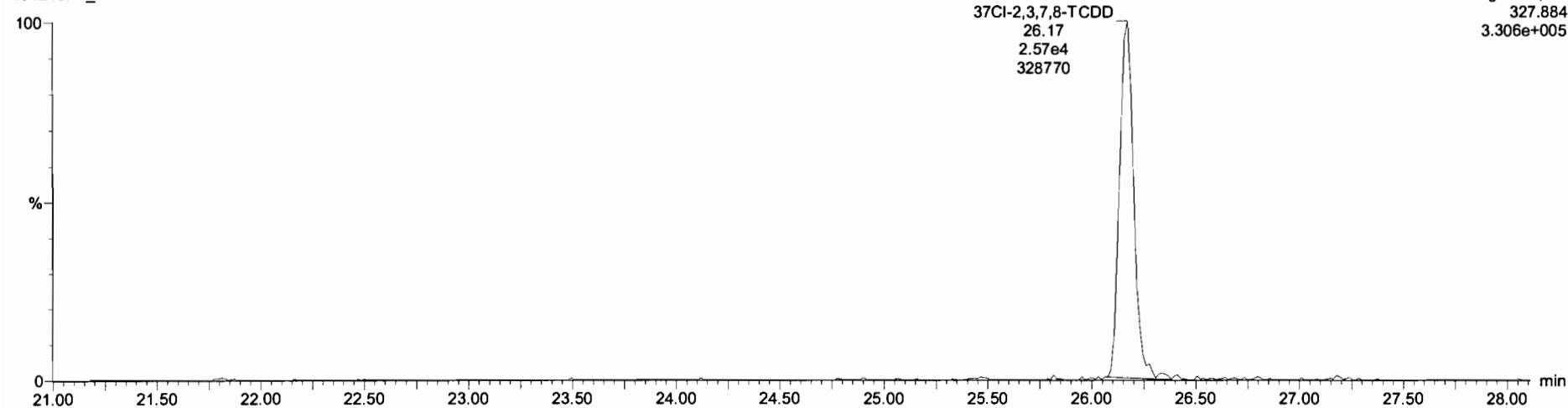
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

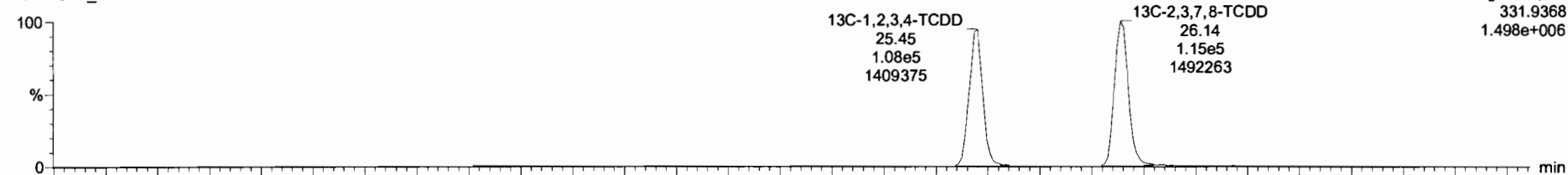
37Cl-2,3,7,8-TCDD

191218K1_1

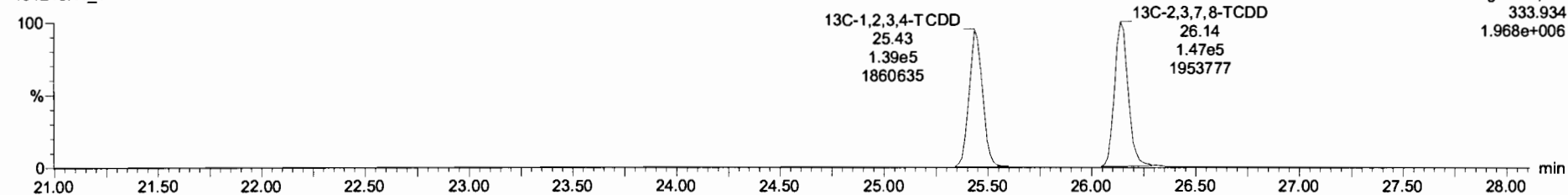


13C-1,2,3,4-TCDD

191218K1_1



191218K1_1



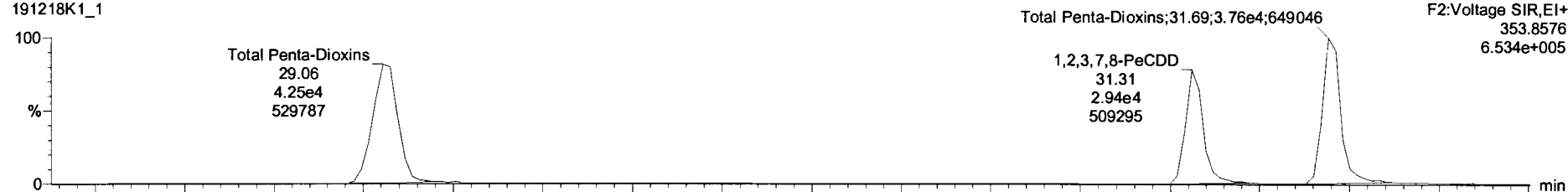
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

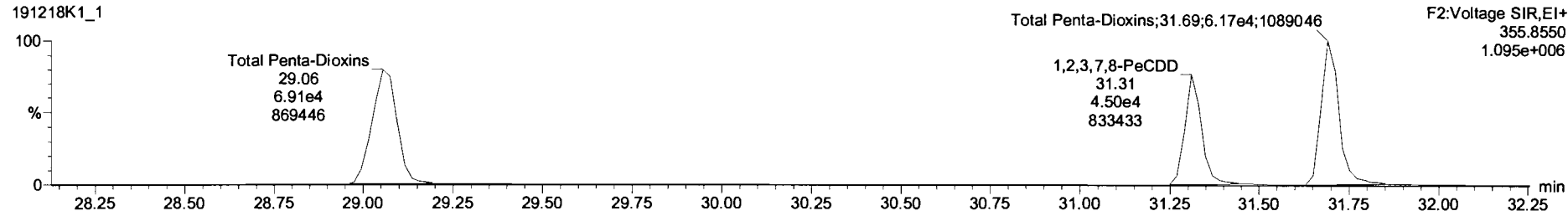
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,7,8-PeCDD

191218K1_1

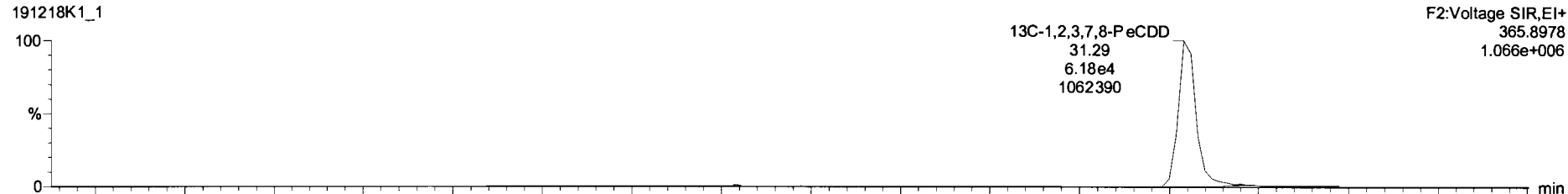


191218K1_1

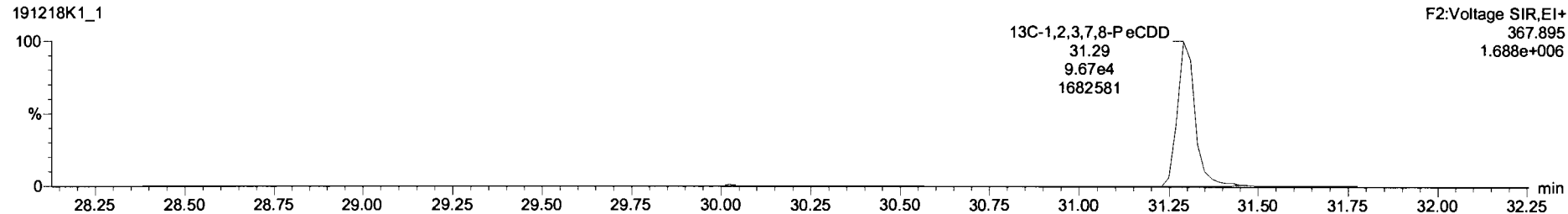


13C-1,2,3,7,8-PeCDD

191218K1_1



191218K1_1



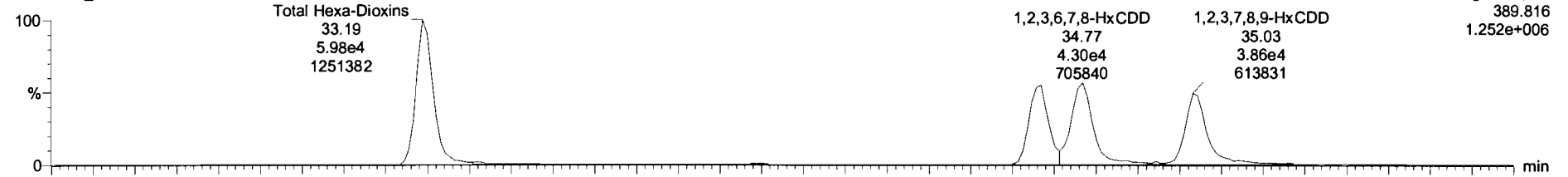
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

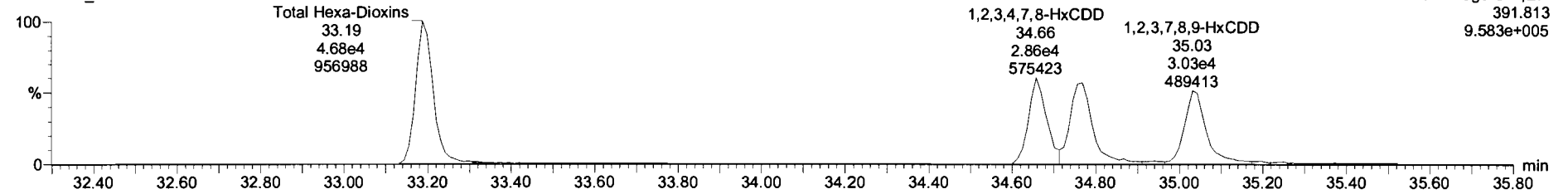
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,7,8-HxCDD

191218K1_1

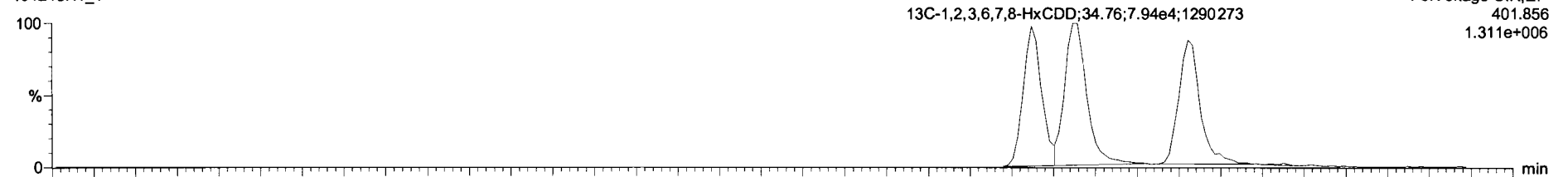


191218K1_1

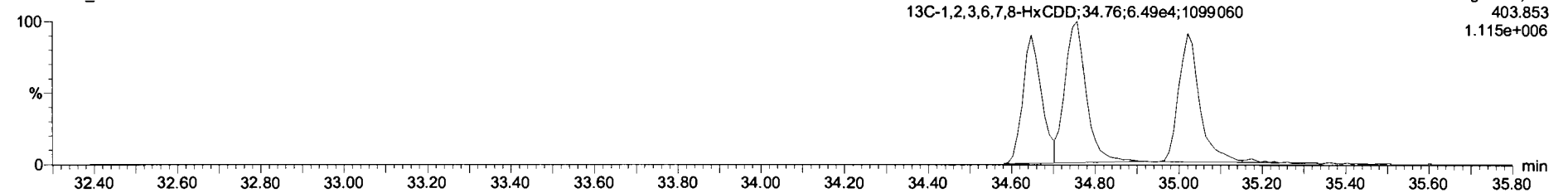


13C-1,2,3,4,7,8-HxCDD

191218K1_1

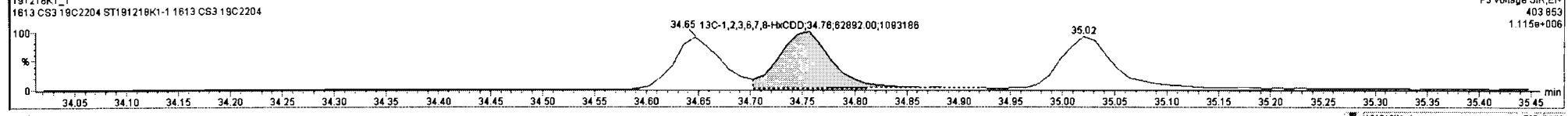
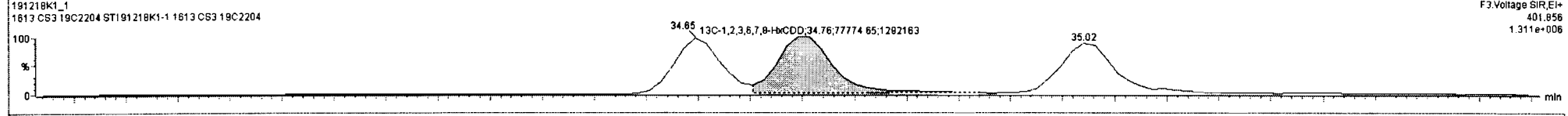
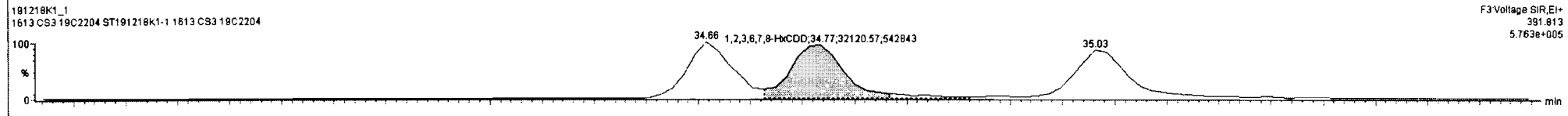
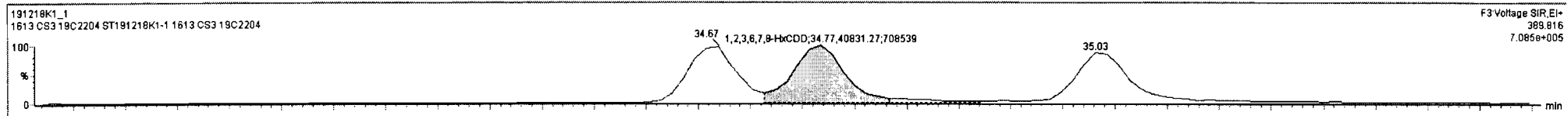


191218K1_1



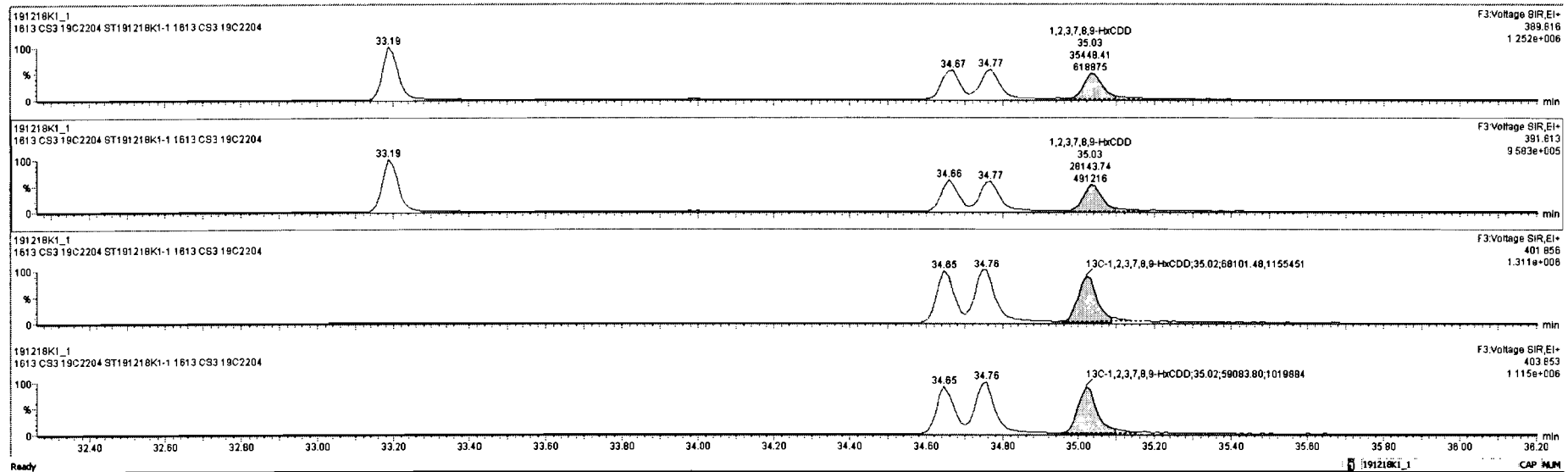
#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred RT	RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.44e4	0.76	NO	0.9249	1.000	26.17	26.17	1.001	1.001	NO	10.09	101	0.143	10.09
2	1,2,3,7,8-PeCDD	7.44e4	0.85	NO	0.9046	1.000	31.31	31.31	1.001	1.001	NO	51.86	104	0.304	51.86
3	1,2,3,4,7,8-HxCDD	6.55e4	1.29	NO	1.0691	1.000	34.66	34.67	1.000	1.001	NO	51.67	103	0.535	51.67
4	1,2,3,6,7,8-HxCDD	7.30e4	1.27	NO	0.9875	1.000	34.76	34.77	1.000	1.000	NO	53.80	107	0.591	53.80
5	1,2,3,7,8,9-HxCDD	6.89e4	1.29	NO	0.9778	1.000	35.06	35.03	1.001	1.000	NO	56.00	112	0.641	56.00
6	1,2,3,4,6,7,8-HpCDD	4.93e4	1.05	NO	1.0375	1.000	38.54	38.55	1.000	1.001	NO	51.17	102	0.690	51.17
7	OCDD	8.46e4	0.86	NO	0.9718	1.000	41.81	41.82	1.000	1.000	NO	97.35	97.3	0.811	97.35
8	2,3,7,8-TCDF	3.65e4	0.78	NO	0.9376	1.000	25.18	25.19	1.001	1.001	NO	10.78	108	0.104	10.78
9	1,2,3,7,8-PeCDF	1.27e5	1.59	NO	0.9762	1.000	30.00	30.00	1.001	1.001	NO	51.93	104	0.206	51.93
10	2,3,4,7,8-PeCDF	1.23e5	1.53	NO	1.0049	1.000	31.02	30.99	1.001	1.000	NO	53.07	106	0.187	53.07
11	1,2,3,4,7,8-HxCDF	1.05e5	1.29	NO	1.2434	1.000	33.78	33.80	1.001	1.001	NO	50.76	102	0.409	50.76
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	106	0.399	53.04

#	Name	Pred RT	RT	ref Resp	m2 Resp	1st Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



#	Name	Resp	RA	n/y	RF	wRet	Pred_RT	RT	Pred_RL	RRT	RRT Fail	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.44e4	0.76	NO	0.9249	1.000	26.17	26.17	1.001	1.001	NO	10.09	101	0.143	10.09
2	1,2,3,7,8-PeCDD	7.44e4	0.85	NO	0.9046	1.000	31.31	31.31	1.001	1.001	NO	51.86	104	0.304	51.86
3	1,2,3,4,7,8-HxCDD	6.56e4	1.29	NO	1.0891	1.000	34.66	34.67	1.000	1.001	NO	51.67	103	0.535	51.67
4	1,2,3,6,7,8-HxCDD	7.30e4	1.27	NO	0.9675	1.000	34.76	34.77	1.000	1.000	NO	53.60	107	0.581	53.60
5	1,2,3,7,8,9-HxCDD	8.36e4	1.28	NO	0.9778	1.000	35.00	35.00	1.001	1.000	NO	51.14	102	0.620	51.14
6	1,2,3,4,6,7,8-HpCDD	4.93e4	1.05	NO	1.0375	1.000	36.54	36.55	1.000	1.001	NO	51.17	102	0.690	51.17
7	OCDD	8.46e4	0.86	NO	0.9718	1.000	41.81	41.82	1.000	1.000	NO	97.35	97.3	0.811	97.35
8	2,3,7,8-TCDF	3.88e4	0.78	NO	0.9376	1.000	25.19	25.19	1.001	1.001	NO	10.76	106	0.104	10.76
9	1,2,3,7,8-PeCDF	1.27e5	1.59	NO	0.9762	1.000	30.00	30.00	1.001	1.001	NO	51.93	104	0.208	51.93
10	1,2,3,4,7,8-PeCDF	1.23e5	1.53	NO	1.0049	1.000	31.02	30.99	1.001	1.000	NO	53.07	106	0.187	53.07
11	1,2,3,4,7,8-HxCDF	1.05e5	1.29	NO	1.2434	1.000	33.78	33.60	1.000	1.001	NO	50.76	102	0.409	50.76
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	106	0.389	53.04

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	1*Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



Dataset: Untitled

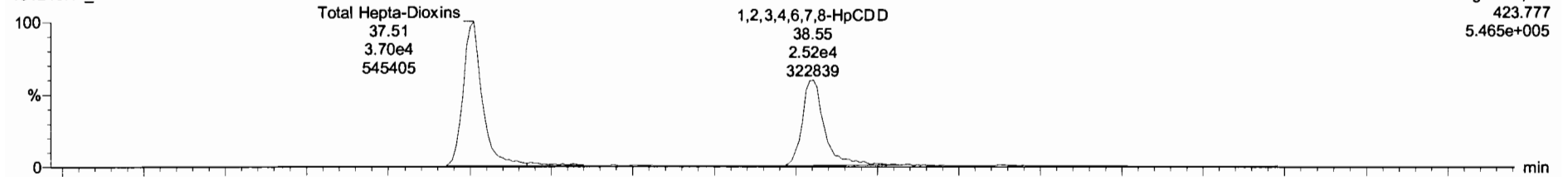
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

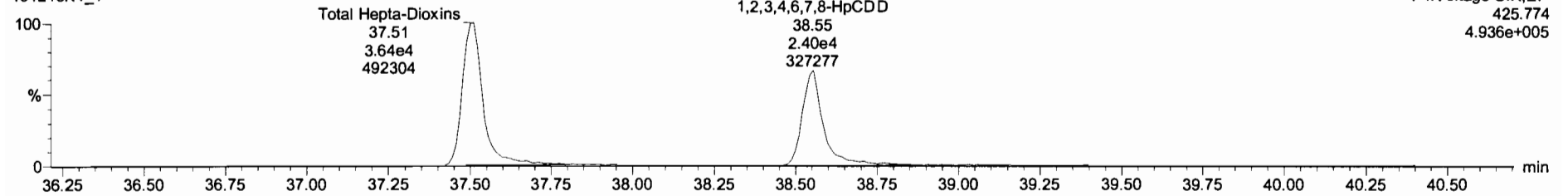
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,6,7,8-HpCDD

191218K1_1

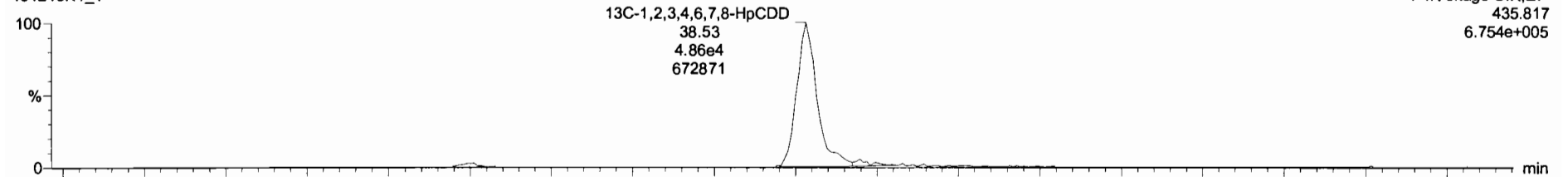


191218K1_1

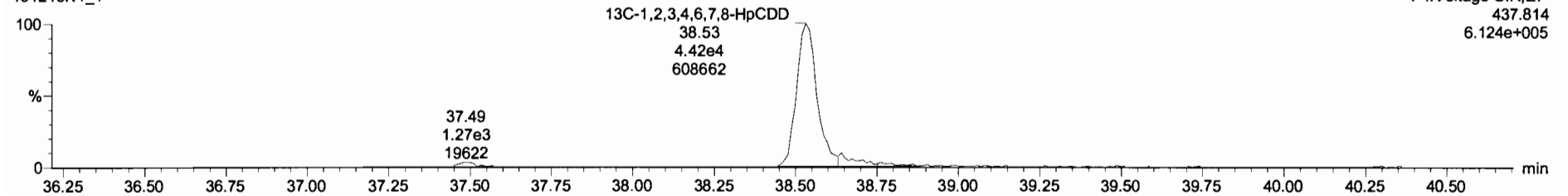


13C-1,2,3,4,6,7,8-HpCDD

191218K1_1

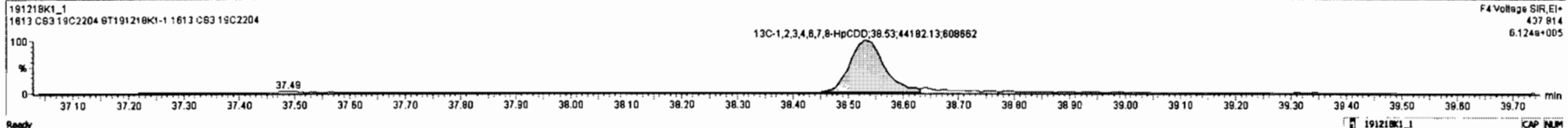
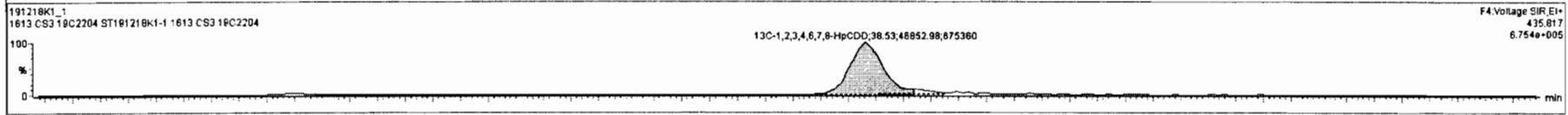
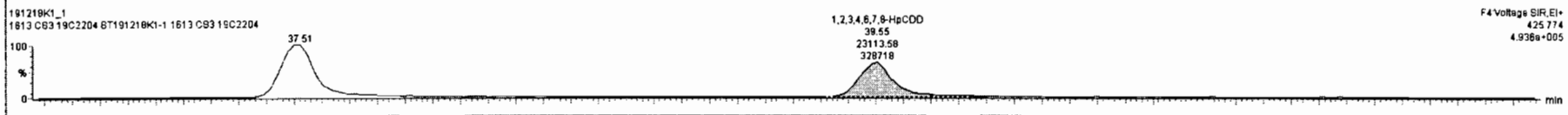
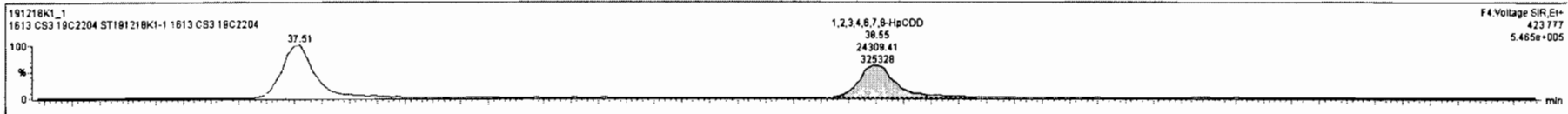


191218K1_1



#	Name	Resp	RA	nY	RRF	wAcid	Prod_RT	RT	Prod_R	RRT	RRT Fail	Conc.	%Rec	DL	B MPC
1	2,3,7,8-TCDD	2.44e4	0.75	NO	0.9249	1.000	26.17	26.17	1.001	1.001	NO	10.09	101	0.143	10.09
2	1,2,3,7,8-PeCDD	7.44e4	0.65	NO	0.9046	1.000	31.31	31.31	1.001	1.001	NO	51.86	104	0.304	51.86
3	1,2,3,4,7,8-HxCDD	6.55e4	1.29	NO	1.0891	1.000	34.66	34.67	1.000	1.001	NO	51.67	103	0.535	51.67
4	1,2,3,6,7,8-HxCDD	7.30e4	1.27	NO	0.9675	1.000	34.76	34.77	1.000	1.000	NO	53.60	107	0.581	53.60
5	1,2,3,7,8,9-HxCDD	6.35e4	1.26	NO	0.9778	1.000	35.06	35.03	1.001	1.000	NO	51.14	102	0.623	51.14
6	1,2,3,4,6,7,8-HpCDD	4.74e4	1.05	NO	1.0578	1.000	36.54	36.55	1.008	1.001	NO	80.21	100	0.875	80.21
7	OCDD	8.46e4	0.86	NO	0.9718	1.000	41.81	41.82	1.000	1.000	NO	97.35	97.3	0.811	97.35
8	2,3,7,8-TCDF	3.66e4	0.78	NO	0.9376	1.000	25.18	25.19	1.001	1.001	NO	10.78	108	0.104	10.78
9	1,2,3,7,8-PeCDF	1.27e5	1.59	NO	0.9762	1.000	30.00	30.00	1.001	1.001	NO	51.93	104	0.206	51.93
10	1,2,3,4,7,8-PeCDF	1.23e5	1.53	NO	1.0049	1.000	31.02	30.99	1.001	1.000	NO	53.07	108	0.187	53.07
11	1,2,3,4,7,8-HxCDF	1.05e5	1.29	NO	1.2434	1.000	33.78	33.80	1.000	1.001	NO	50.76	102	0.409	50.76
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	108	0.389	53.04

#	Name	Prod_RT	RT	m1 Resp	m2 Resp	1* Ratio (Prod)	RA	nY	B MPC	Conc.
1										



Dataset: Untitled

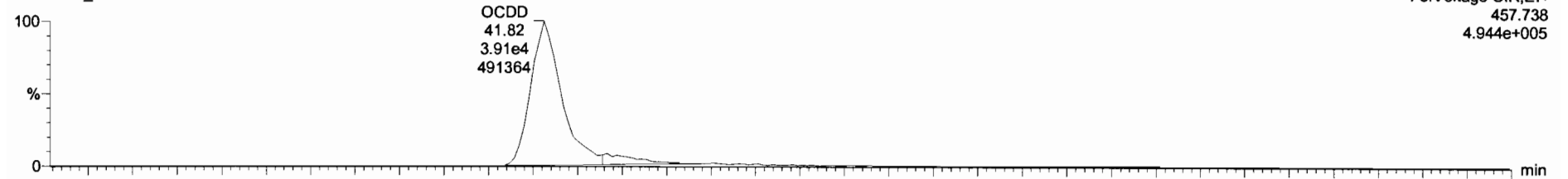
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

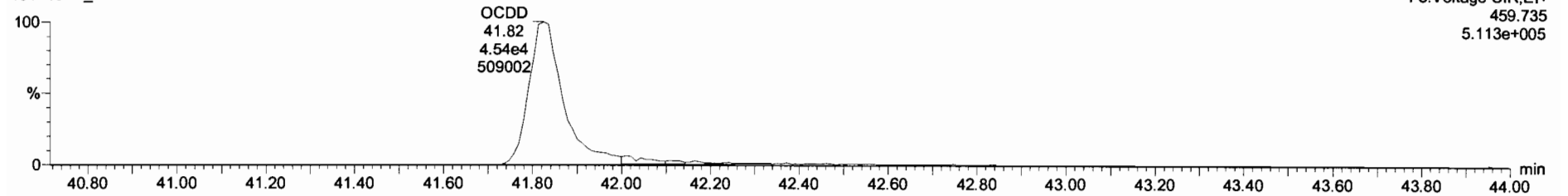
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

OCDD

191218K1_1

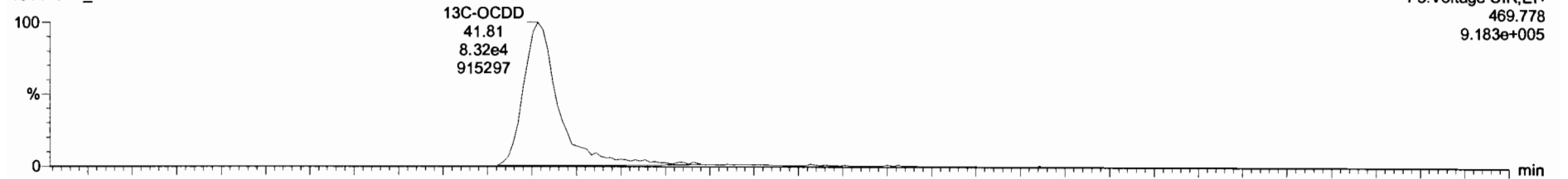


191218K1_1

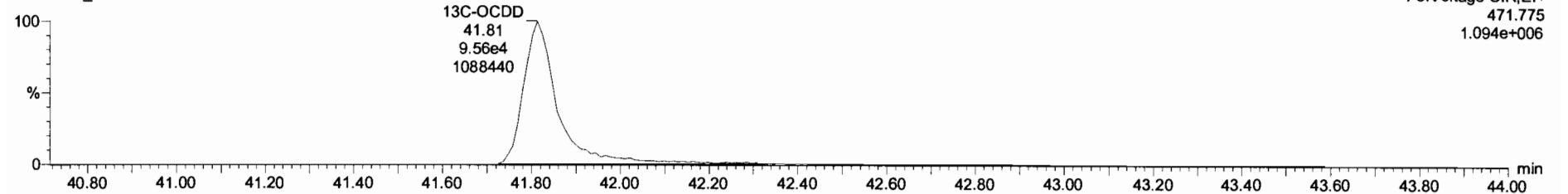


13C-OCDD

191218K1_1

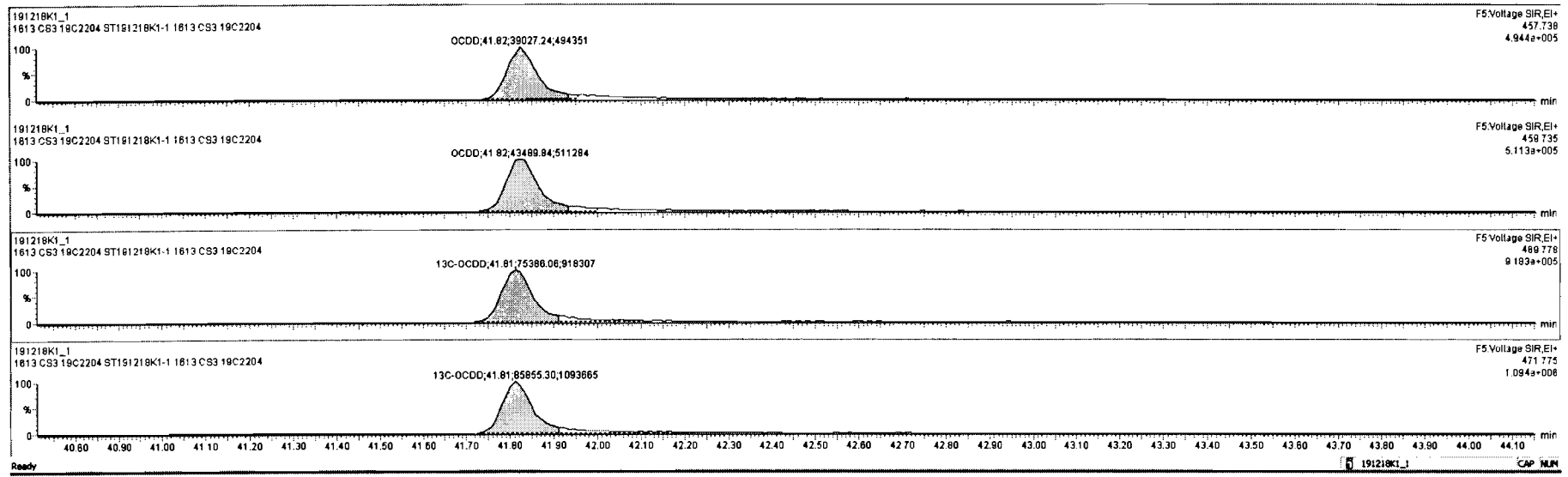


191218K1_1



#	Name	Rsp	RA	n/y	RF	wAve	Pred.RT	RT	Pred.RT	RF	RF Fail	Conc.	%Rec	DL	EMPC
1	1,2,3,7,8-TCDD	2.44e4	0.78	NO	0.9249	1.000	26.17	26.17	1.001	1.001	NO	10.09	101	0.143	10.09
2	1,2,3,7,8-PeCDD	7.44e4	0.85	NO	0.9046	1.000	31.31	31.31	1.001	1.001	NO	51.86	104	0.304	51.86
3	1,2,3,4,7,8-PeCDD	6.56e4	1.29	NO	1.0691	1.000	34.86	34.67	1.000	1.001	NO	51.67	103	0.535	51.87
4	1,2,3,6,7,8-PeCDD	7.30e4	1.27	NO	0.9675	1.000	34.76	34.77	1.000	1.000	NO	53.60	107	0.581	53.60
5	1,2,3,7,8,9-PeCDD	6.36e4	1.26	NO	0.9778	1.000	35.06	35.03	1.001	1.000	NO	51.14	102	0.623	51.14
6	1,2,3,4,6,7,8-HxCDD	4.74e4	1.05	NO	1.0375	1.000	36.54	36.55	1.000	1.001	NO	50.21	100	0.675	50.21
7	OCDD	6.25e4	0.90	NO	0.9716	1.000	41.81	41.82	1.000	1.000	NO	106.3	106	0.812	106.3
8	2,3,7,8-TCDF	3.66e4	0.78	NO	0.9376	1.000	25.18	25.19	1.001	1.001	NO	10.78	108	0.104	10.78
9	1,2,3,7,8-PeCDF	1.27e5	1.58	NO	0.9762	1.000	30.00	30.00	1.001	1.001	NO	51.93	104	0.206	51.93
10	2,3,4,7,8-PeCDF	1.22e5	1.53	NO	1.0048	1.000	31.02	30.99	1.001	1.000	NO	53.07	106	0.187	53.07
11	1,2,3,4,7,8-HxCDF	1.05e5	1.29	NO	1.2434	1.000	33.78	33.60	1.000	1.001	NO	50.78	102	0.409	50.78
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	106	0.399	53.04

#	Name	Pred.RT	RT	m1 Rsp	m2 Rsp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1										



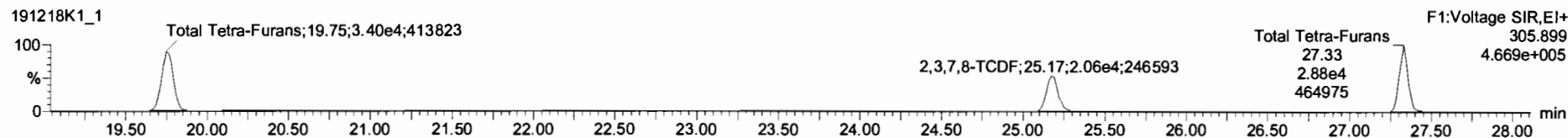
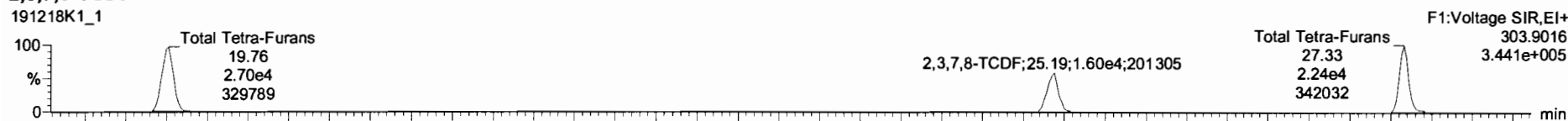
Dataset: Untitled

Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

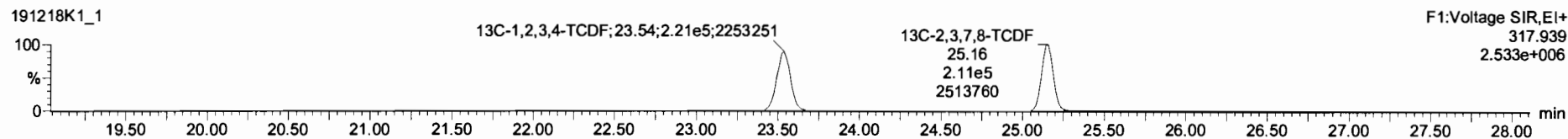
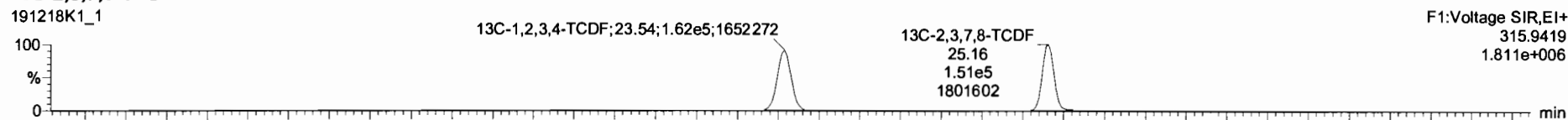
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

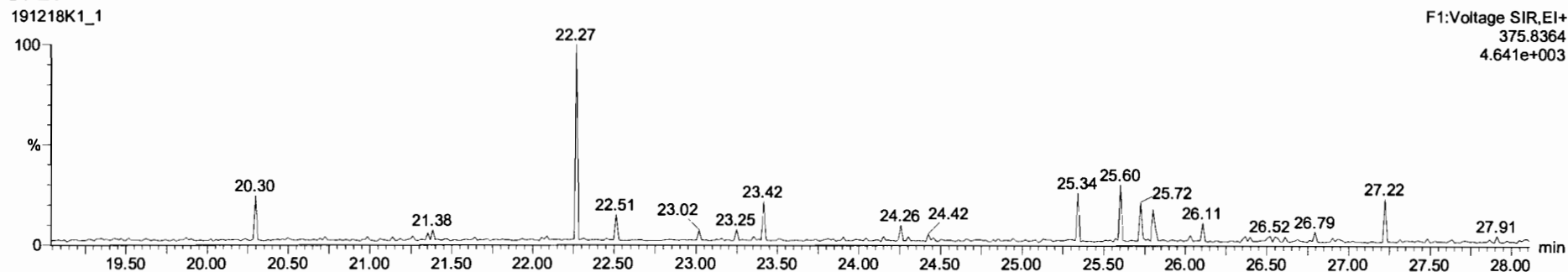
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1



Dataset: Untitled

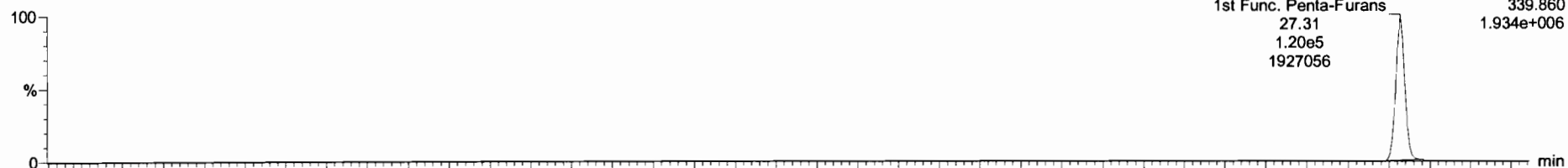
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

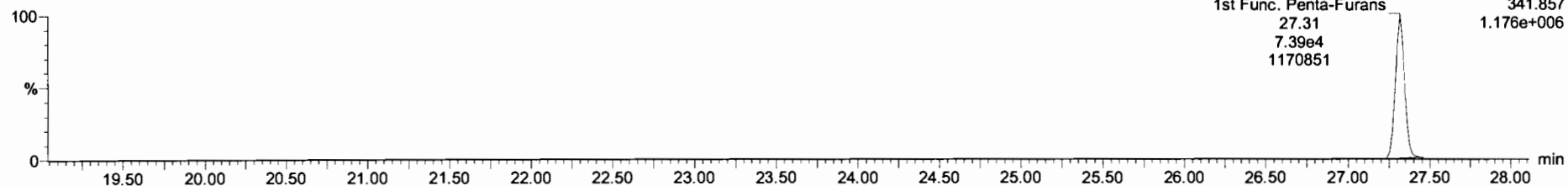
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1st Func. Penta-Furans

191218K1_1

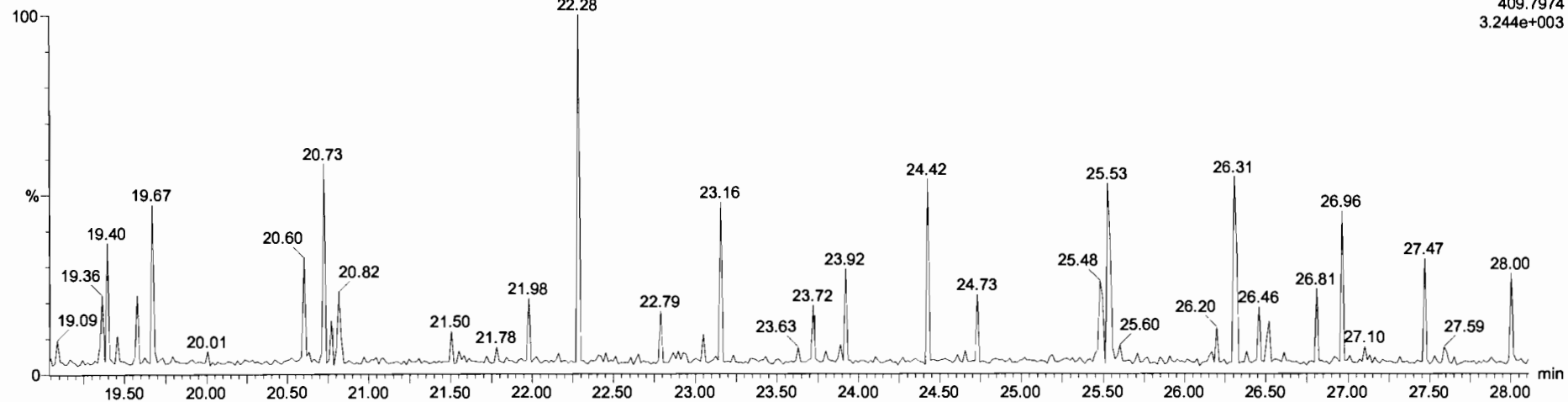


191218K1_1



DPE6

191218K1_1



Dataset: Untitled

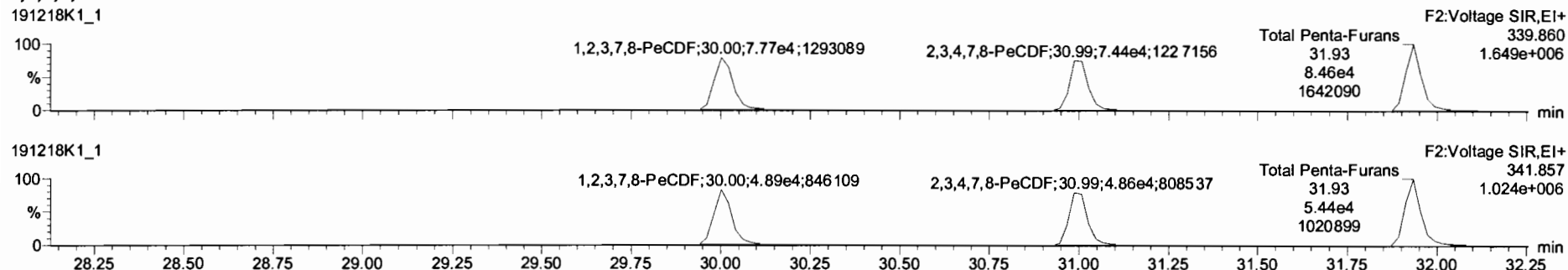
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

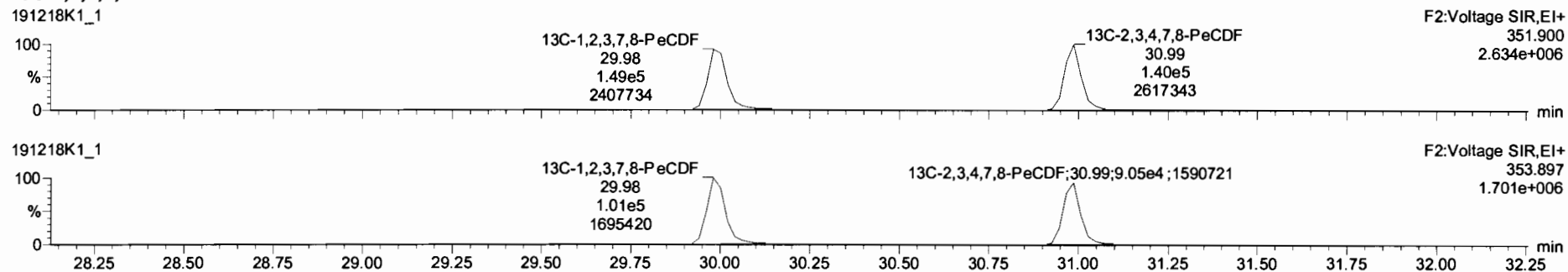
1,2,3,7,8-PeCDF

191218K1_1



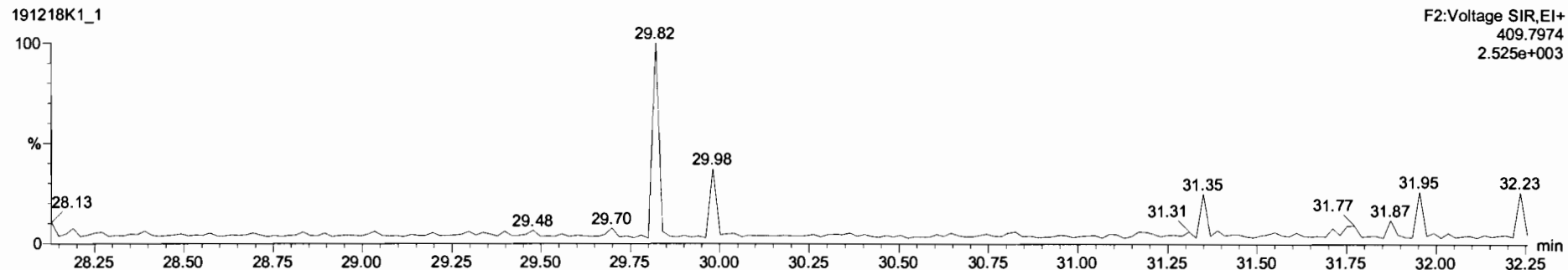
13C-1,2,3,7,8-PeCDF

191218K1_1



DPE2

191218K1_1



Dataset: Untitled

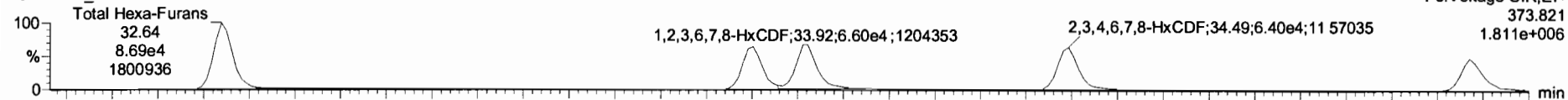
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time

Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

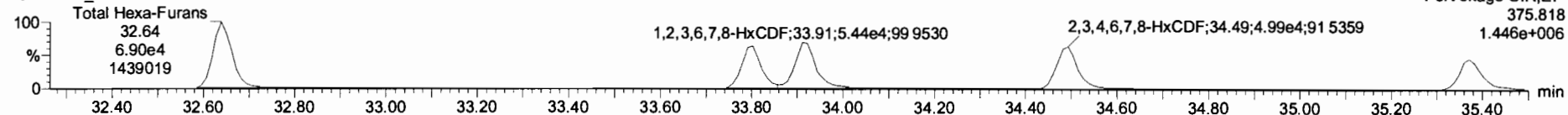
Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,7,8-HxCDF

191218K1_1

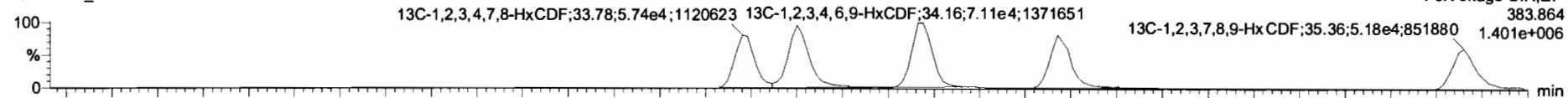


191218K1_1

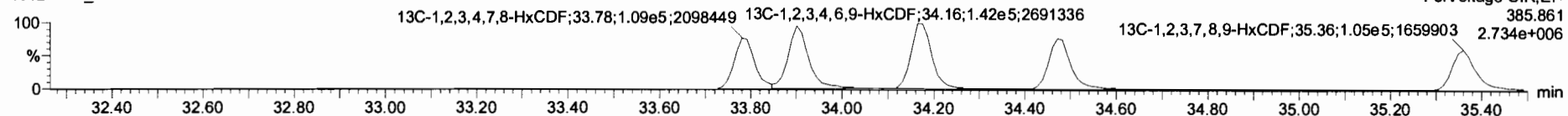


13C-1,2,3,4,7,8-HxCDF

191218K1_1

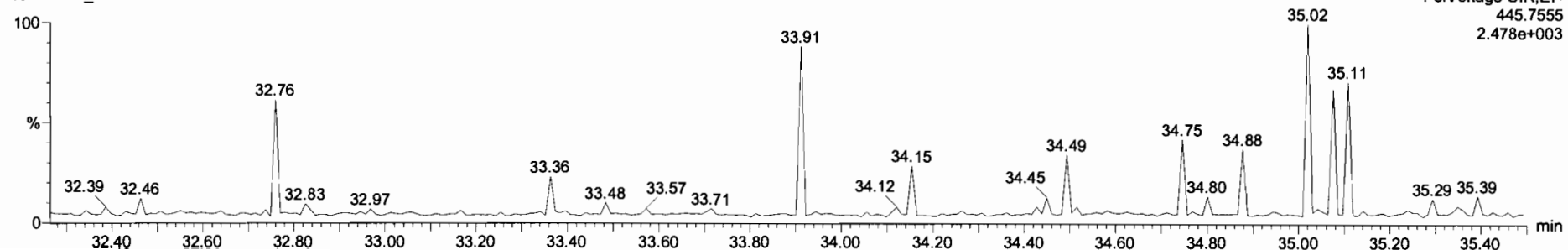


191218K1_1



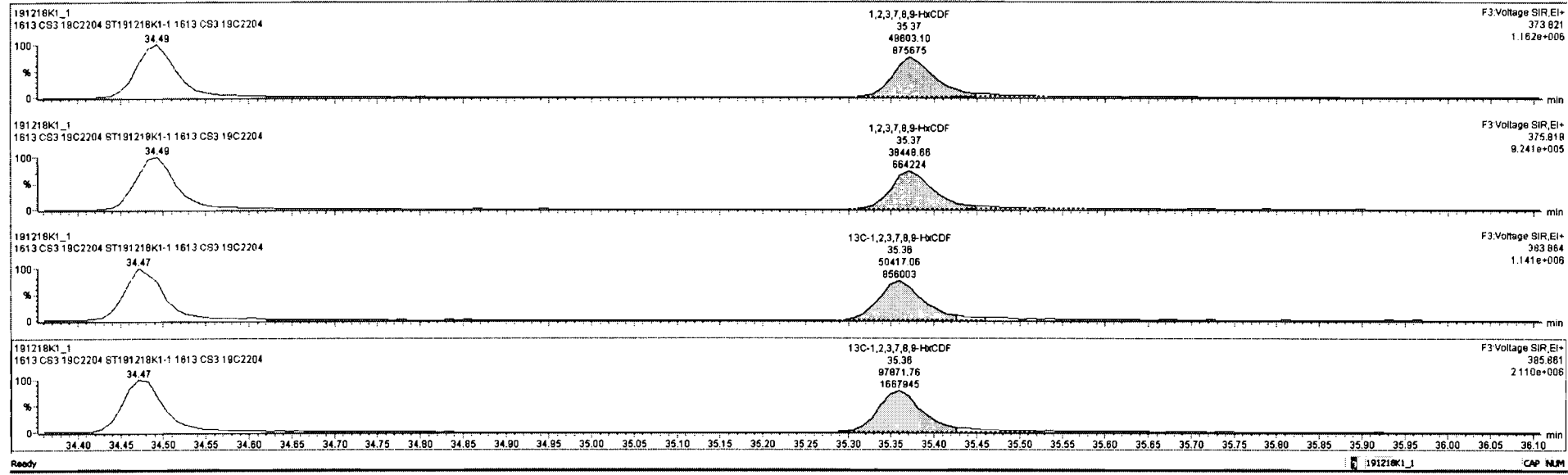
DPE3

191218K1_1



#	Name	Resp	RA	nly	RRF	wtAvd	Pred.RT	RT	Pred.R...	RRF	RRT Fail	Conc.	NRes	DL	BNPC
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	106	0.389	53.04
13	1,2,3,4,6,7,8-HxCDF	1.14e5	1.28	NO	1.1806	1.000	34.51	34.49	1.001	1.001	NO	53.29	107	0.417	53.29
14	1,2,3,7,8-HxCDF	8.71e4	1.28	NO	1.0728	1.000	36.38	36.27	1.000	1.000	NO	54.72	108	0.493	54.72
15	1,2,3,4,6,7,8-HpCDF	8.89e4	1.05	NO	1.1300	1.000	37.14	37.12	1.001	1.000	NO	52.51	105	0.475	52.51
16	1,2,3,4,7,8,9-HpCDF	7.16e4	0.98	NO	1.2609	1.000	39.15	38.16	1.000	1.000	NO	54.89	110	0.583	54.89
17	OCDF	1.22e5	0.89	NO	1.1025	1.000	42.00	42.01	1.000	1.000	NO	93.31	93.3	0.519	93.31
18	13C-2,3,7,8-10DD	2.62e5	0.78	NO	1.0499	1.000	26.15	26.14	1.027	1.027	NO	101.0	101	0.383	
19	13C-1,2,3,7,8-PeCDD	1.58e5	0.64	NO	0.7429	1.000	31.29	31.29	1.230	1.229	NO	86.38	86.4	0.436	
20	13C-1,2,3,4,7,8-HxCDD	1.19e5	1.26	NO	0.8463	1.000	34.64	34.65	1.014	1.014	NO	86.38	86.4	0.689	
21	13C-1,2,3,6,7,8-HxCDD	1.41e5	1.24	NO	0.7787	1.000	34.73	34.76	1.017	1.017	NO	85.17	85.2	0.557	
22	13C-1,2,3,7,8-HxCDD	1.27e5	1.15	NO	0.6595	1.000	35.01	35.02	1.025	1.025	NO	90.69	90.7	0.656	
23	13C-1,2,3,4,6,7,8-HpCDD	9.10e4	1.06	NO	0.5342	1.000	36.51	36.53	1.127	1.128	NO	80.14	80.1	0.916	

#	Name	Pred.RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nly	BNPC	Conc.
1										

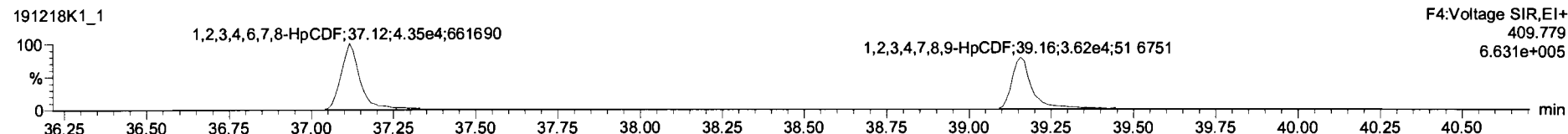
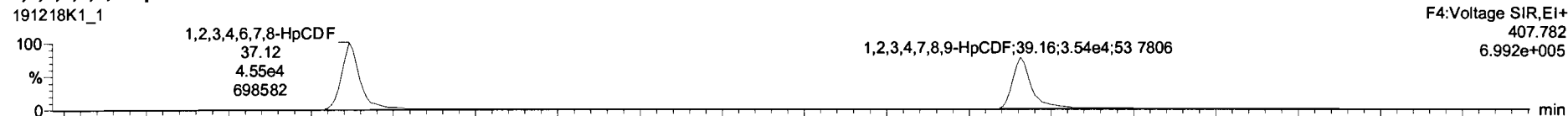


Dataset: Untitled

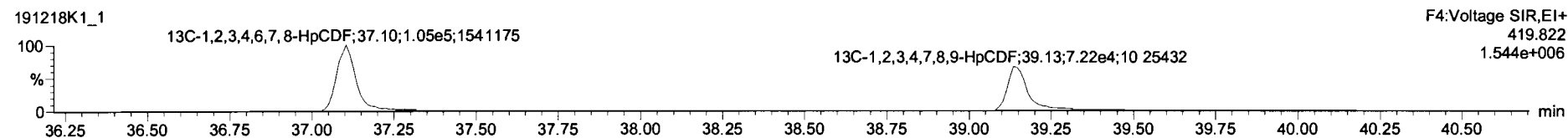
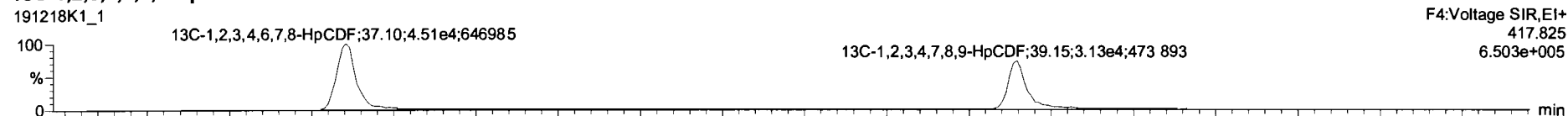
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

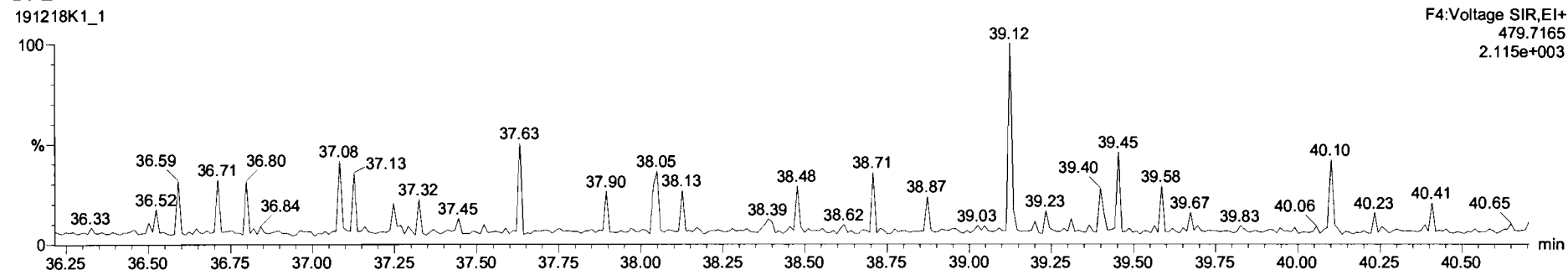
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF

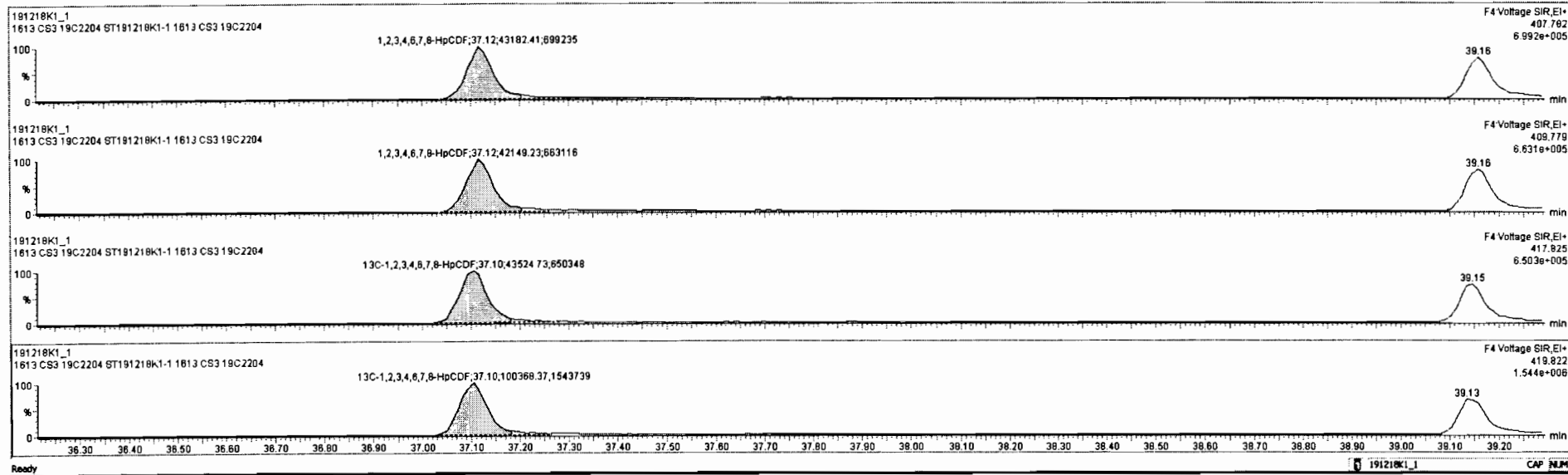


DPE4



#	Name	Resp	RA	n/y	RRF	wtAvd	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	106	0.389	53.04
13	2,3,4,6,7,8-HxCDF	1.14e5	1.28	NO	1.1806	1.000	34.51	34.49	1.001	1.001	NO	53.29	107	0.417	53.29
14	1,2,3,7,8,9-HxCDF	6.71e4	1.26	NO	1.0728	1.000	35.36	35.37	1.000	1.000	NO	54.72	109	0.613	54.72
15	1,2,3,4,6,7,8-HpCDF	8.59e4	1.02	NO	1.1300	1.000	37.14	37.12	1.001	1.000	NO	52.48	108	0.474	52.48
16	1,2,3,4,7,8,9-HpCDF	7.16e4	0.99	NO	1.2609	1.000	39.15	39.16	1.000	1.000	NO	54.89	110	0.583	54.89
17	OCDF	1.22e5	0.89	NO	1.1025	1.000	42.00	42.01	1.000	1.000	NO	93.31	93.3	0.519	93.31
18	13C-2,3,7,8-TCDD	2.62e5	0.78	NO	1.0489	1.000	26.15	26.14	1.027	1.027	NO	101.0	101	0.383	
19	13C-1,2,3,7,8-PeCDD	1.58e5	0.64	NO	0.7429	1.000	31.29	31.29	1.230	1.229	NO	86.38	86.4	0.436	
20	13C-1,2,3,4,7,8-HxCDD	1.19e5	1.26	NO	0.8463	1.000	34.64	34.65	1.014	1.014	NO	86.38	86.4	0.669	
21	13C-1,2,3,6,7,8-HxCDD	1.41e5	1.24	NO	0.7767	1.000	34.73	34.76	1.017	1.017	NO	85.17	85.2	0.557	
22	13C-1,2,3,7,8,9-HxCDD	1.27e5	1.15	NO	0.6696	1.000	35.01	35.02	1.025	1.025	NO	90.59	90.7	0.656	
23	13C-1,2,3,4,6,7,8-HpCDD	9.10e4	1.06	NO	0.5342	1.000	36.51	36.53	1.127	1.128	NO	80.14	80.1	0.916	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1+ Ratio (Pred)	RA	n/y	EMPC	Conc.
1										

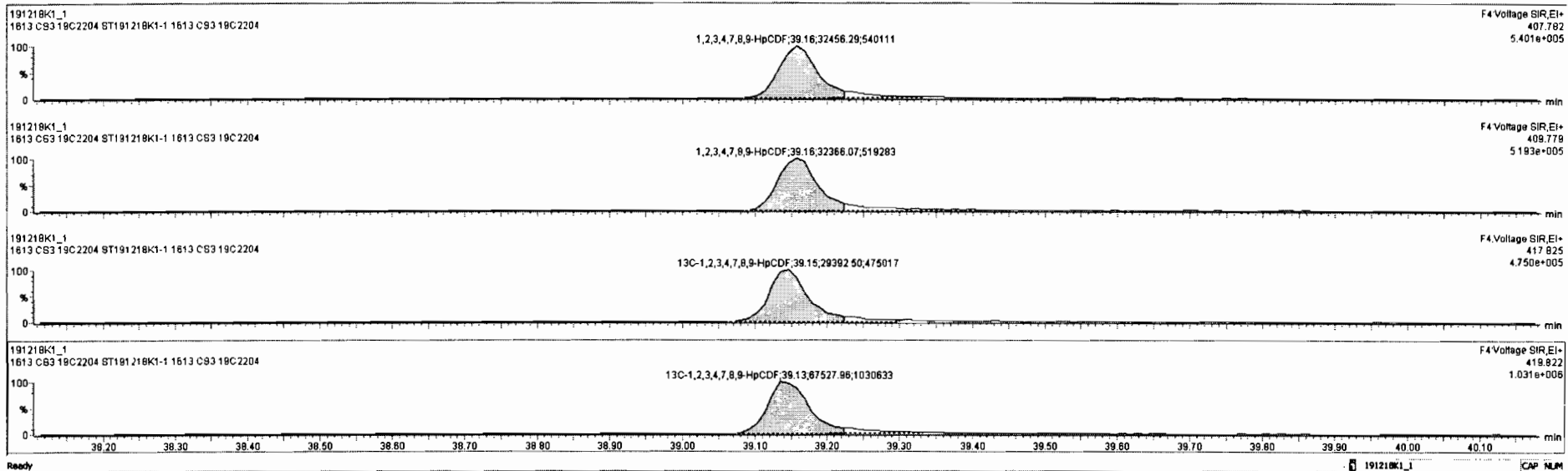




191218K1_1 191218K1_1 191218K1_1 191218K1_1 191218K1_1

#	Name	Resp	RA	RY	RPF	wVnd	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.82	1.000	1.001	NO	53.04	106	0.369	53.04
13	1,2,3,4,6,7,8-HxCDF	1.14e5	1.28	NO	1.1806	1.000	34.51	34.49	1.001	1.001	NO	53.29	107	0.417	53.29
14	1,2,3,7,8,9-HxCDF	8.71e4	1.26	NO	1.0728	1.000	35.38	35.37	1.000	1.000	NO	54.72	109	0.513	54.72
15	1,2,3,4,6,7,8-HpCDF	8.53e4	1.02	NO	1.1300	1.000	37.14	37.12	1.001	1.000	NO	52.48	105	0.474	52.48
16	1,2,3,4,7,8,9-HpCDF	8.48e4	1.00	NO	1.2908	1.000	38.15	38.16	1.000	1.000	NO	53.04	106	0.523	53.04
17	OCDF	1.22e5	0.88	NO	1.1025	1.000	42.00	42.01	1.000	1.000	NO	93.31	93.3	0.519	93.31
18	13C-2,3,7,8-TCDD	2.82e5	0.78	NO	1.0489	1.000	26.15	26.14	1.027	1.027	NO	101.0	101	0.383	
19	13C-1,2,3,7,8-PeCDD	1.59e5	0.84	NO	0.7429	1.000	31.29	31.29	1.230	1.229	NO	86.39	86.4	0.436	
20	13C-1,2,3,4,7,8-HxCDD	1.19e5	1.26	NO	0.8463	1.000	34.64	34.65	1.014	1.014	NO	86.39	86.4	0.669	
21	13C-1,2,3,6,7,8-HxCDD	1.41e5	1.24	NO	0.7767	1.000	34.73	34.76	1.017	1.017	NO	85.17	85.2	0.557	
22	13C-1,2,3,7,8-HxCDD	1.27e5	1.15	NO	0.6595	1.000	35.01	35.02	1.025	1.025	NO	90.69	90.7	0.656	
23	13C-1,2,3,4,6,7,8-HpCDD	9.10e4	1.06	NO	0.5342	1.000	38.51	38.53	1.127	1.128	NO	80.14	80.1	0.916	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	RY	EMPC	Conc
1										



Ready

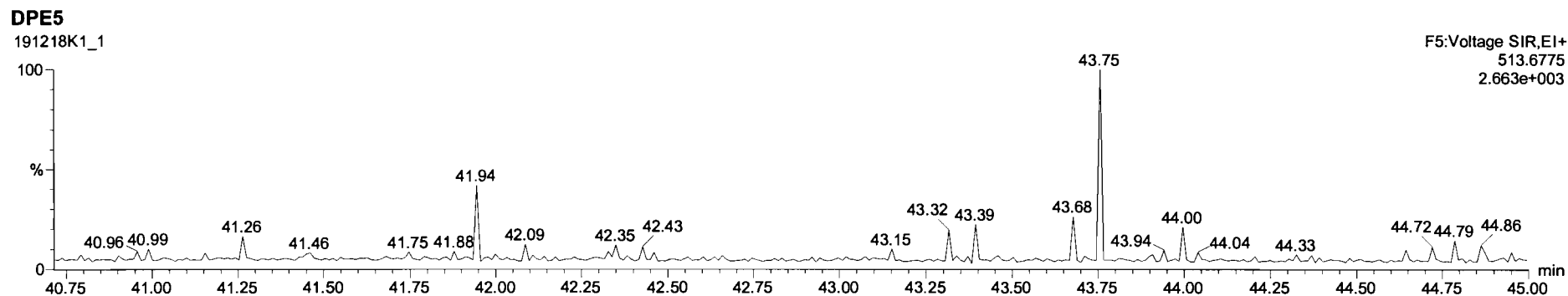
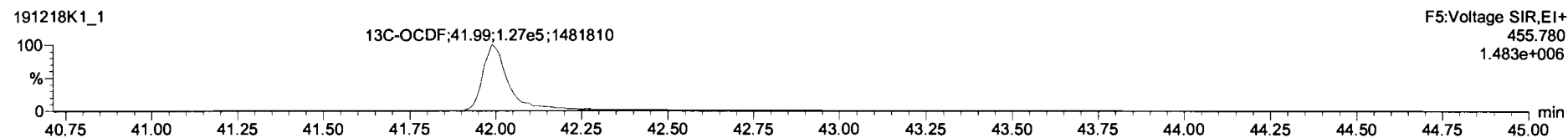
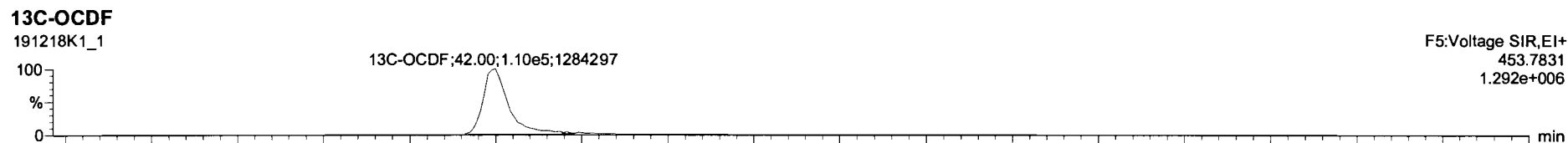
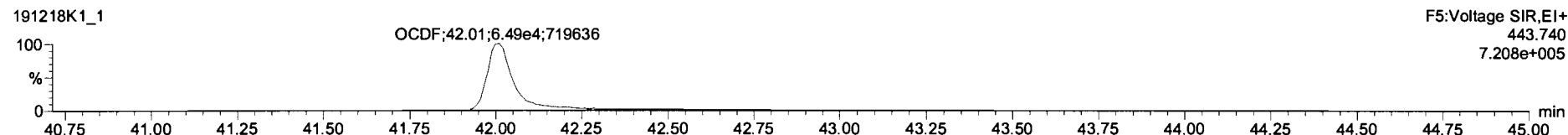
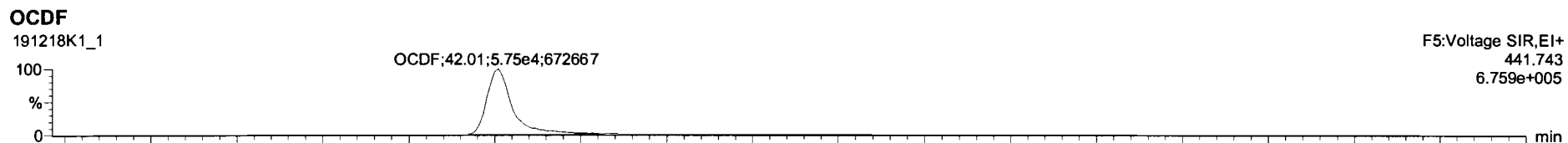
191218K1_1

CAP NUM

Dataset: Untitled

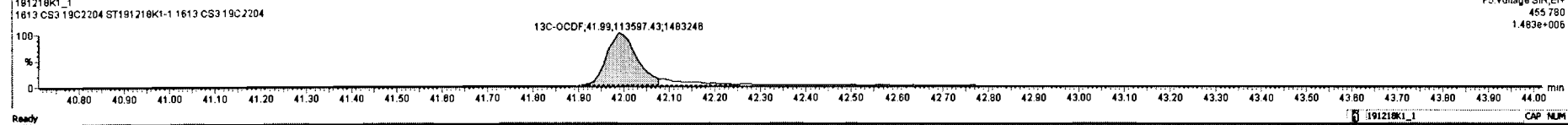
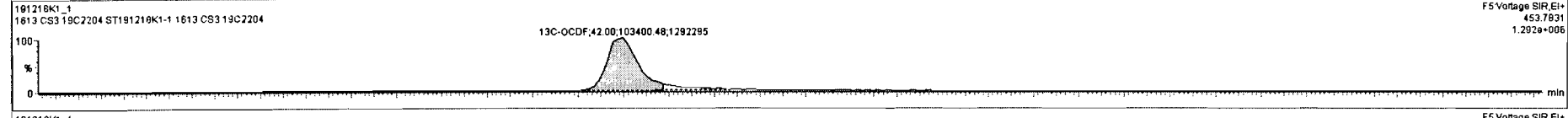
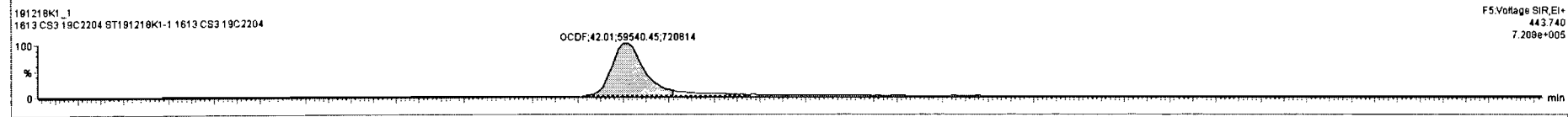
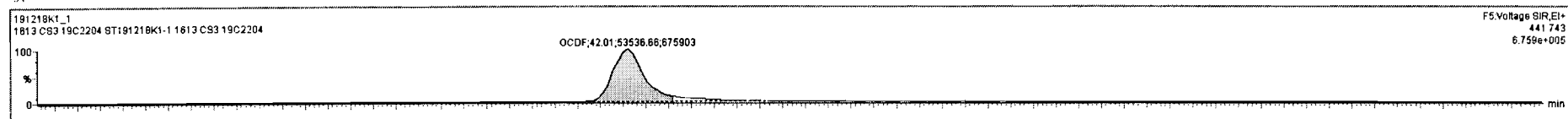
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204



#	Name	Resp	RA	rvy	RRF	intAct	Pred.RT	RT	Pred.R...	RRF	RRF Fail	Conc.	%Rec	DL	EMPC
12	1,2,3,6,7,8-HxCDF	1.20e5	1.21	NO	1.0950	1.000	33.91	33.92	1.000	1.001	NO	53.04	106	0.389	53.04
13	2,3,4,6,7,8-HxCDF	1.14e5	1.28	NO	1.1806	1.000	34.51	34.49	1.001	1.001	NO	53.29	107	0.417	53.29
14	1,2,3,7,8,9-HxCDF	8.71e4	1.26	NO	1.0728	1.000	35.36	35.37	1.000	1.000	NO	54.72	109	0.613	54.72
15	1,2,3,4,6,7,8-HpCDF	8.53e4	1.02	NO	1.1300	1.000	37.14	37.12	1.001	1.000	NO	52.48	105	0.474	52.48
16	1,2,3,4,7,8,9-HpCDF	6.46e4	1.00	NO	1.2609	1.000	39.15	39.16	1.000	1.000	NO	53.04	106	0.563	53.04
17	OCDF	1.13e5	0.90	NO	1.0226	1.000	42.00	42.01	1.000	1.000	NO	84.83	84.6	0.329	84.83
18	13C-2,3,7,8-TCDD	2.62e5	0.78	NO	1.0489	1.000	26.15	26.14	1.027	1.027	NO	101.0	101	0.363	
19	13C-1,2,3,7,8-PeCDD	1.58e5	0.84	NO	0.7429	1.000	31.29	31.29	1.230	1.229	NO	86.39	86.4	0.436	
20	13C-1,2,3,4,7,8-HxCDD	1.19e5	1.26	NO	0.8463	1.000	34.84	34.85	1.014	1.014	NO	86.36	86.4	0.699	
21	13C-1,2,3,6,7,8-HxCDD	1.41e5	1.24	NO	0.7787	1.000	34.73	34.78	1.017	1.017	NO	85.17	85.2	0.557	
22	13C-1,2,3,7,8,9-HxCDD	1.27e5	1.15	NO	0.6595	1.000	35.01	35.02	1.025	1.025	NO	90.69	90.7	0.656	
23	13C-1,2,3,4,6,7,8-HpCDD	9.10e4	1.06	NO	0.5342	1.000	36.51	36.53	1.127	1.128	NO	80.14	80.1	0.916	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 st Ratio (Pred)	RA	rvy	EMPC	Conc.
1										

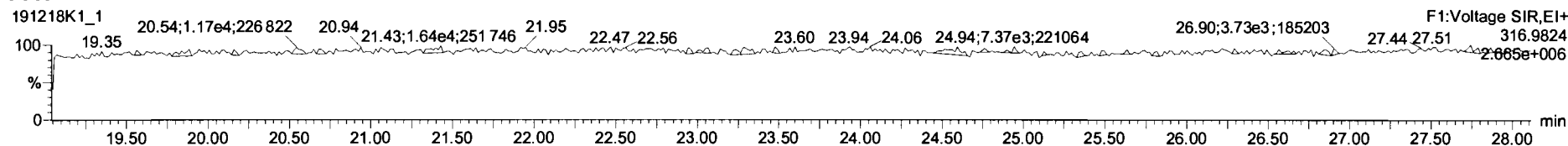


Dataset: Untitled

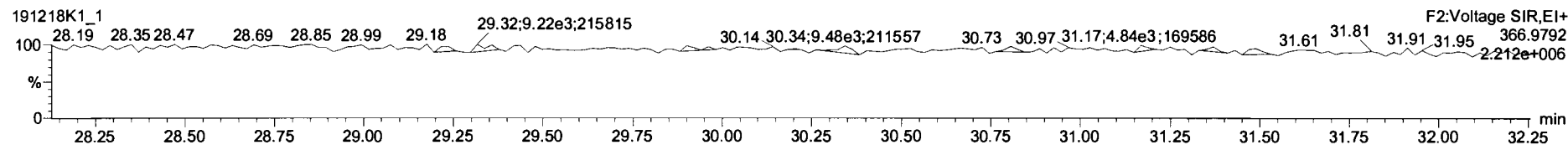
Last Altered: Thursday, December 19, 2019 07:42:21 Pacific Standard Time
Printed: Thursday, December 19, 2019 07:49:20 Pacific Standard Time

Name: 191218K1_1, Date: 18-Dec-2019, Time: 17:33:49, ID: ST191218K1-1 1613 CS3 19C2204, Description: 1613 CS3 19C2204

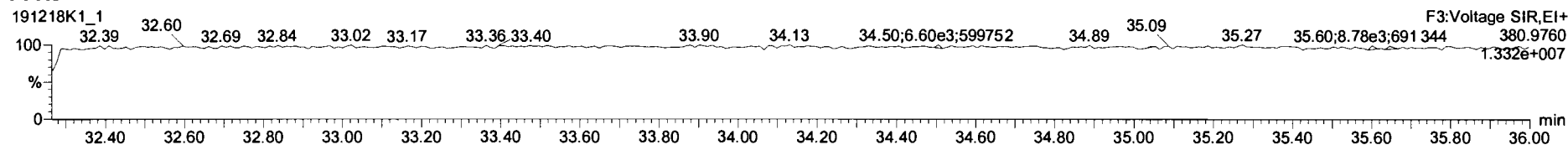
PFK1



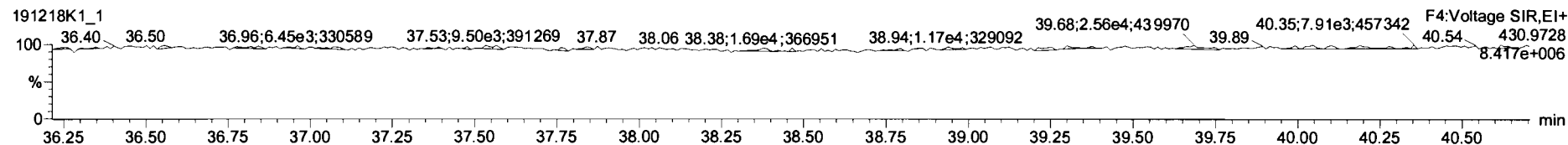
PFK2



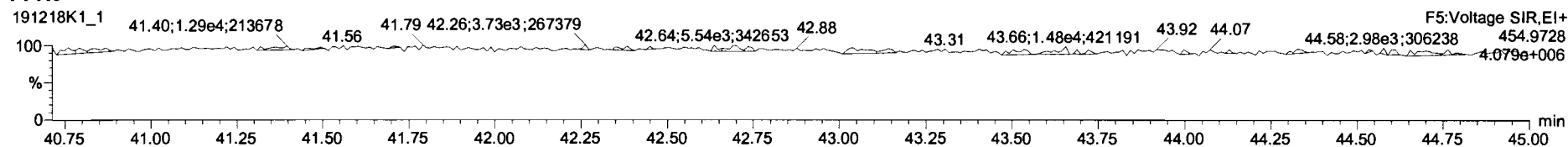
PFK3



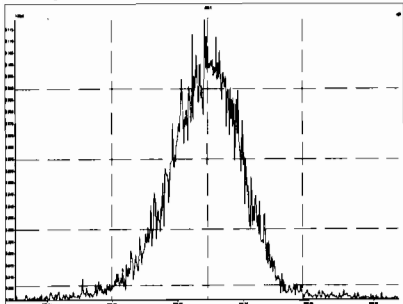
PFK4



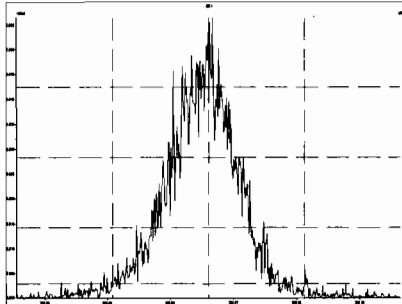
PFK5



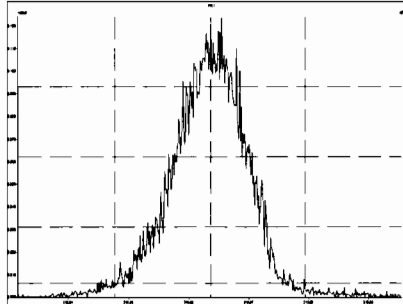
M 292.9824 R 11926



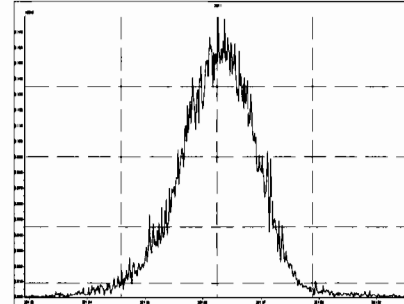
M 304.9824 R 12692



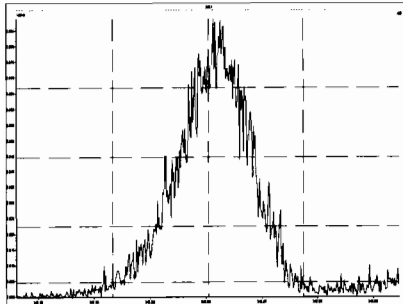
M 318.9792 R 11765



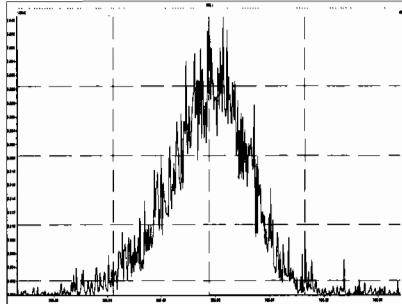
M 330.9792 R 11037



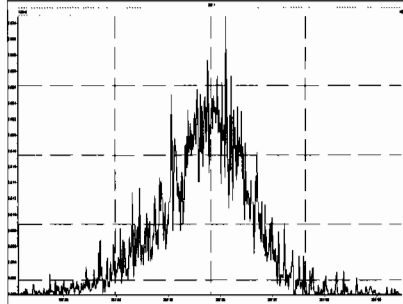
M 342.9792 R 11279



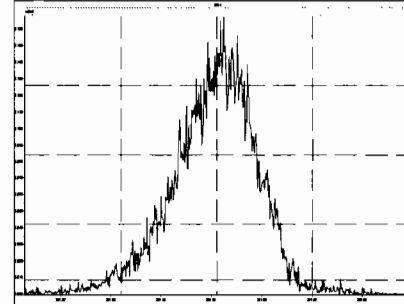
M 354.9792 R 11568



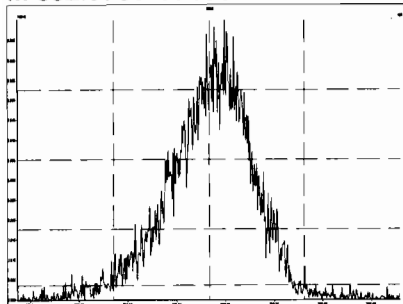
M 366.9792 R 12423



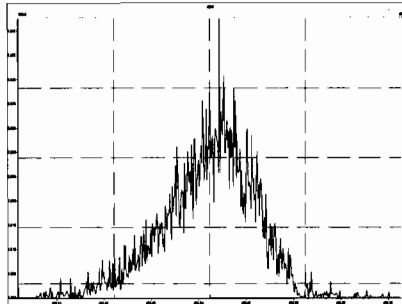
M 380.9760 R 11121



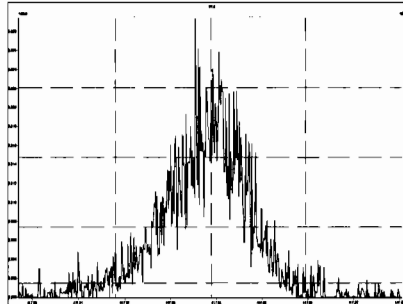
M 392.9760 R 10615



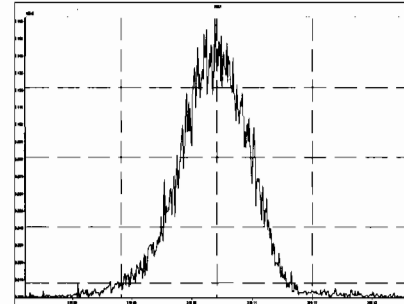
M 404.9760 R 10872



M 416.9760 R 12124

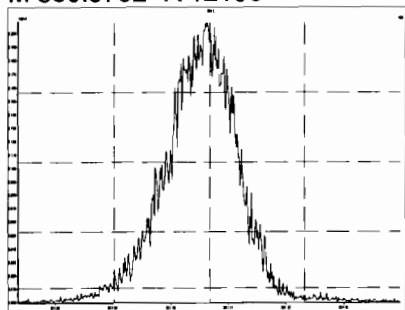


M 318.9792 R 12407

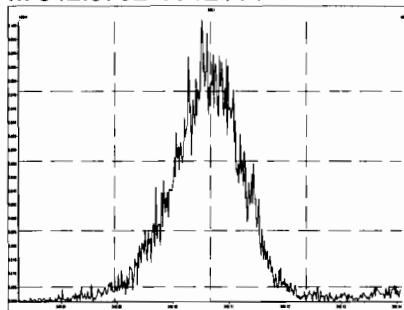


Printed: Thursday, December 19, 2019 04:09:34 Pacific Standard Time

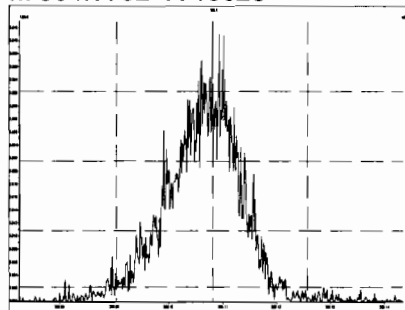
M 330.9792 R 12106



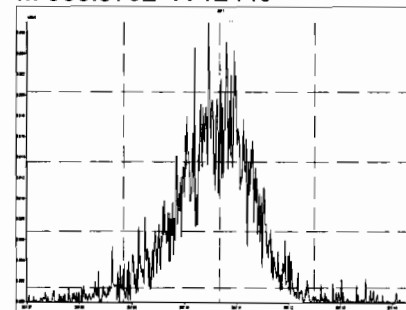
M 342.9792 R 12114



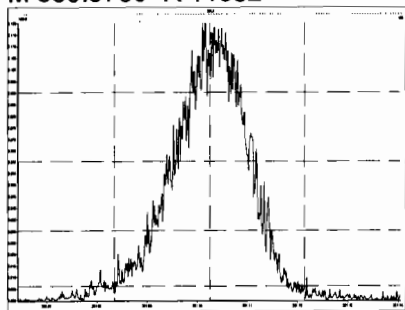
M 354.9792 R 13623



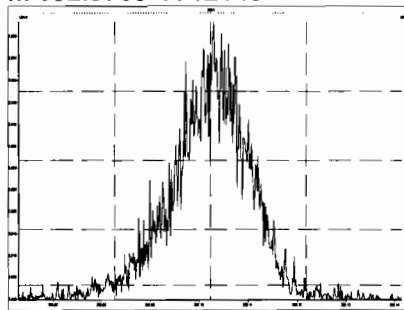
M 366.9792 R 12440



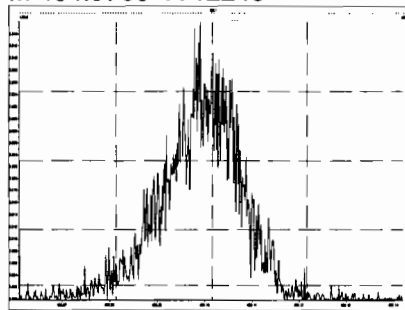
M 380.9760 R 11532



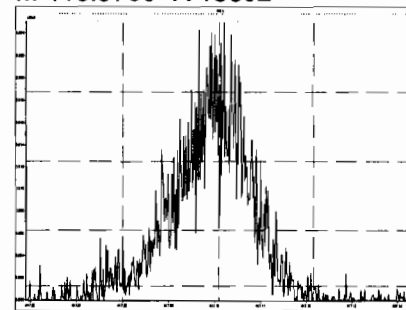
M 392.9760 R 12149



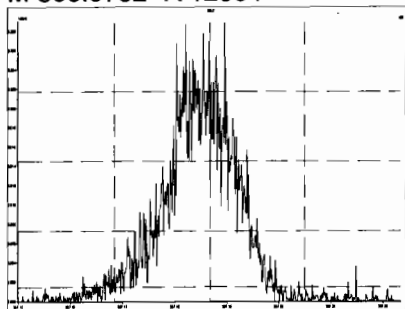
M 404.9760 R 12245



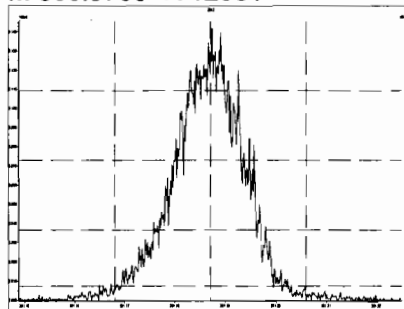
M 416.9760 R 13602



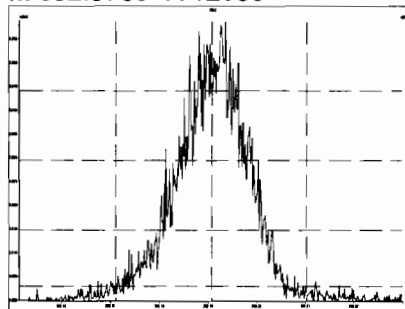
M 366.9792 R 12954



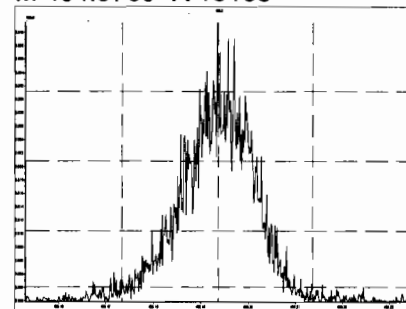
M 380.9760 R 12051



M 392.9760 R 12358

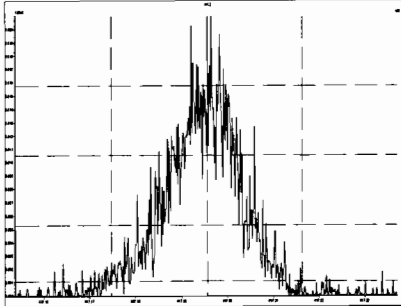


M 404.9760 R 13163

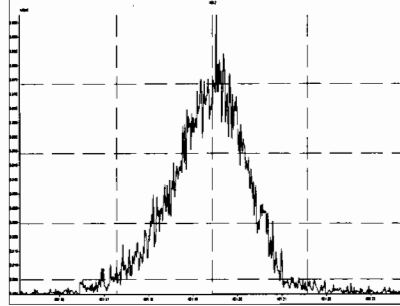


Printed: Thursday, December 19, 2019 04:09:34 Pacific Standard Time

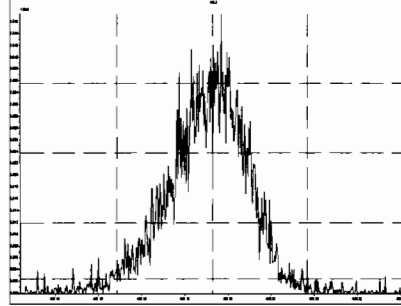
M 416.9760 R 13718



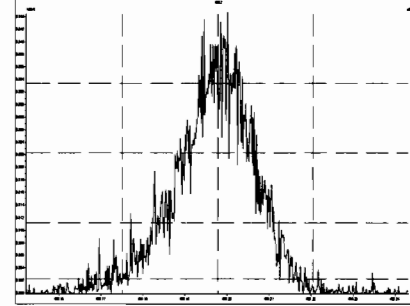
M 430.9728 R 11991



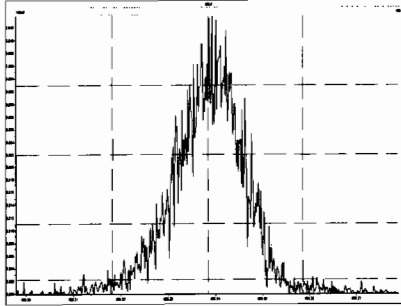
M 442.9728 R 11724



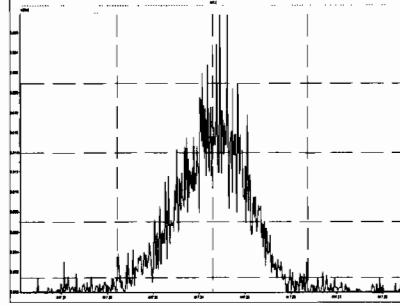
M 454.9728 R 11982



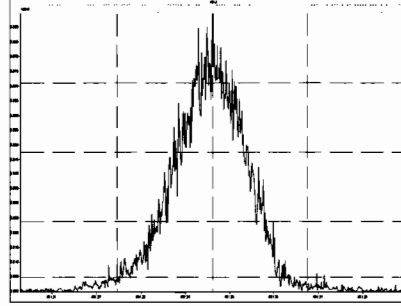
M 404.9760 R 14552



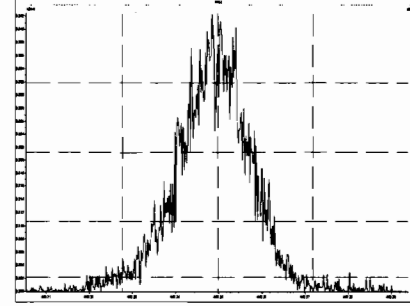
M 416.9760 R 13321



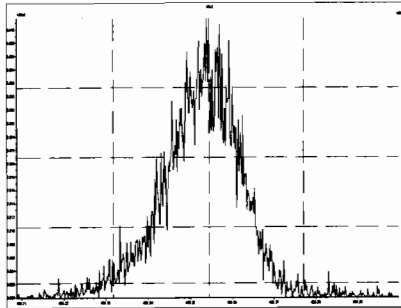
M 430.9728 R 12079



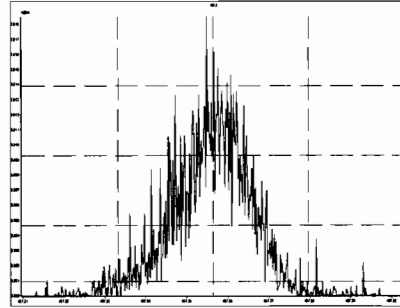
M 442.9728 R 12469



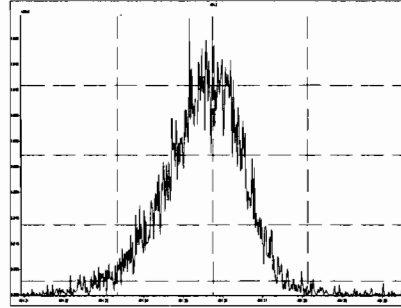
M 454.9728 R 12993



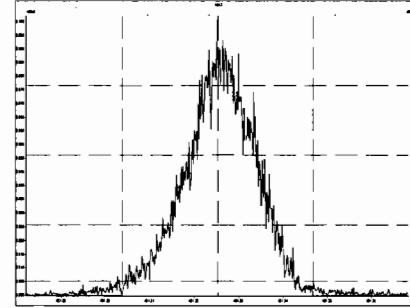
M 466.9728 R 14956



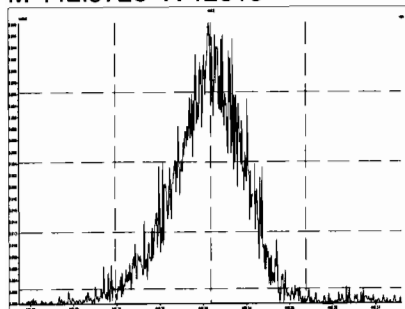
M 480.9696 R 11933



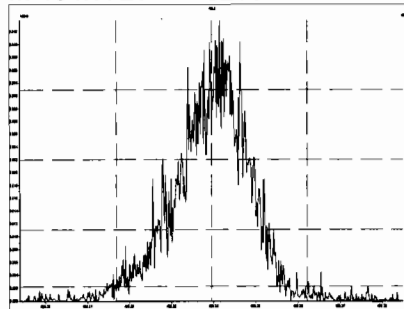
M 430.9728 R 11933



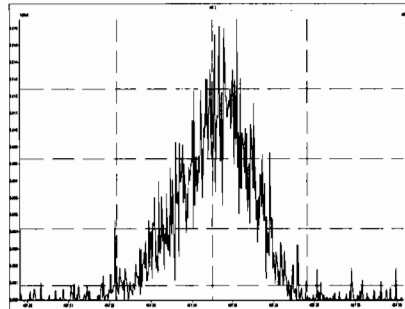
M 442.9728 R 12315



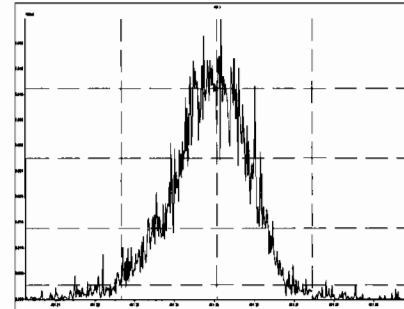
M 454.9728 R 13208



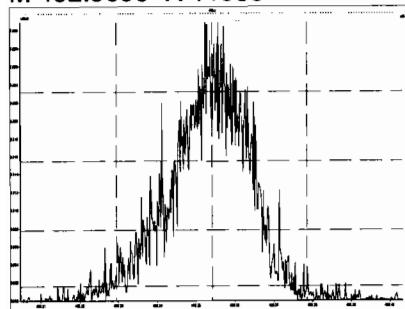
M 466.9728 R 13303



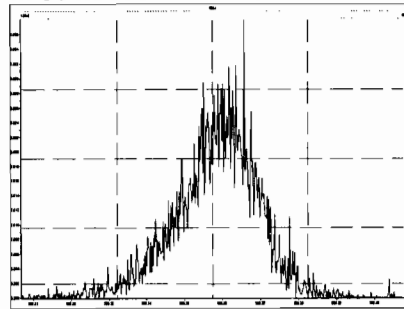
M 480.9696 R 11337



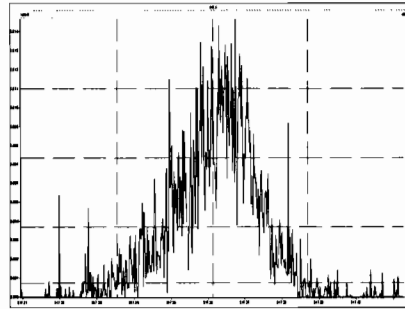
M 492.9696 R 11938



M 504.9696 R 11940



M 516.9697 R 14672



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-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

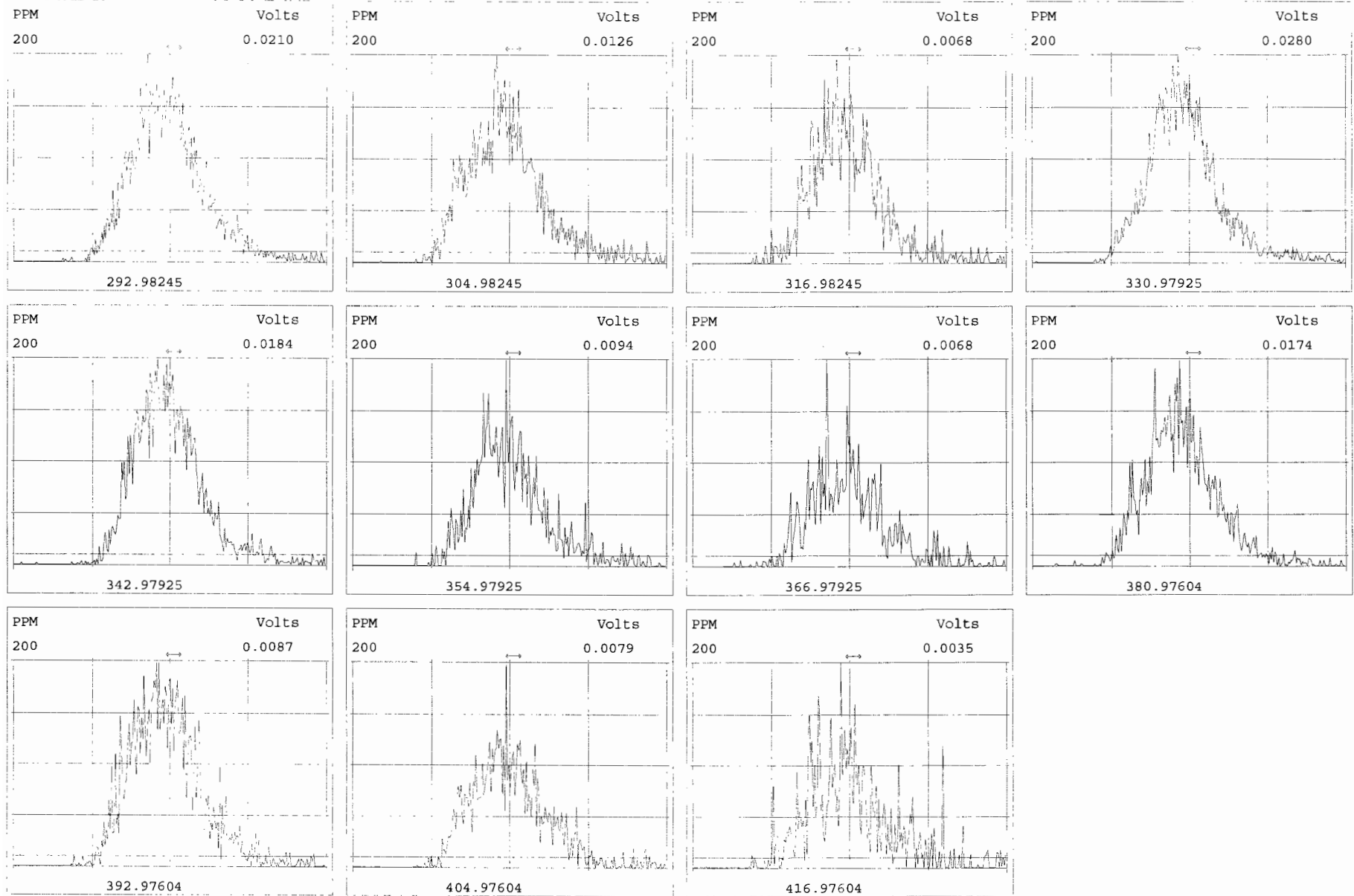
% VALLEY HEIGHT
BETWEEN
COMPARED PEAKS (1)

<25%

(1) To meet contract requirements, %Valley Height Between Compared Peaks shall not exceed 25% (section 15.4.2.2, Method 1613).

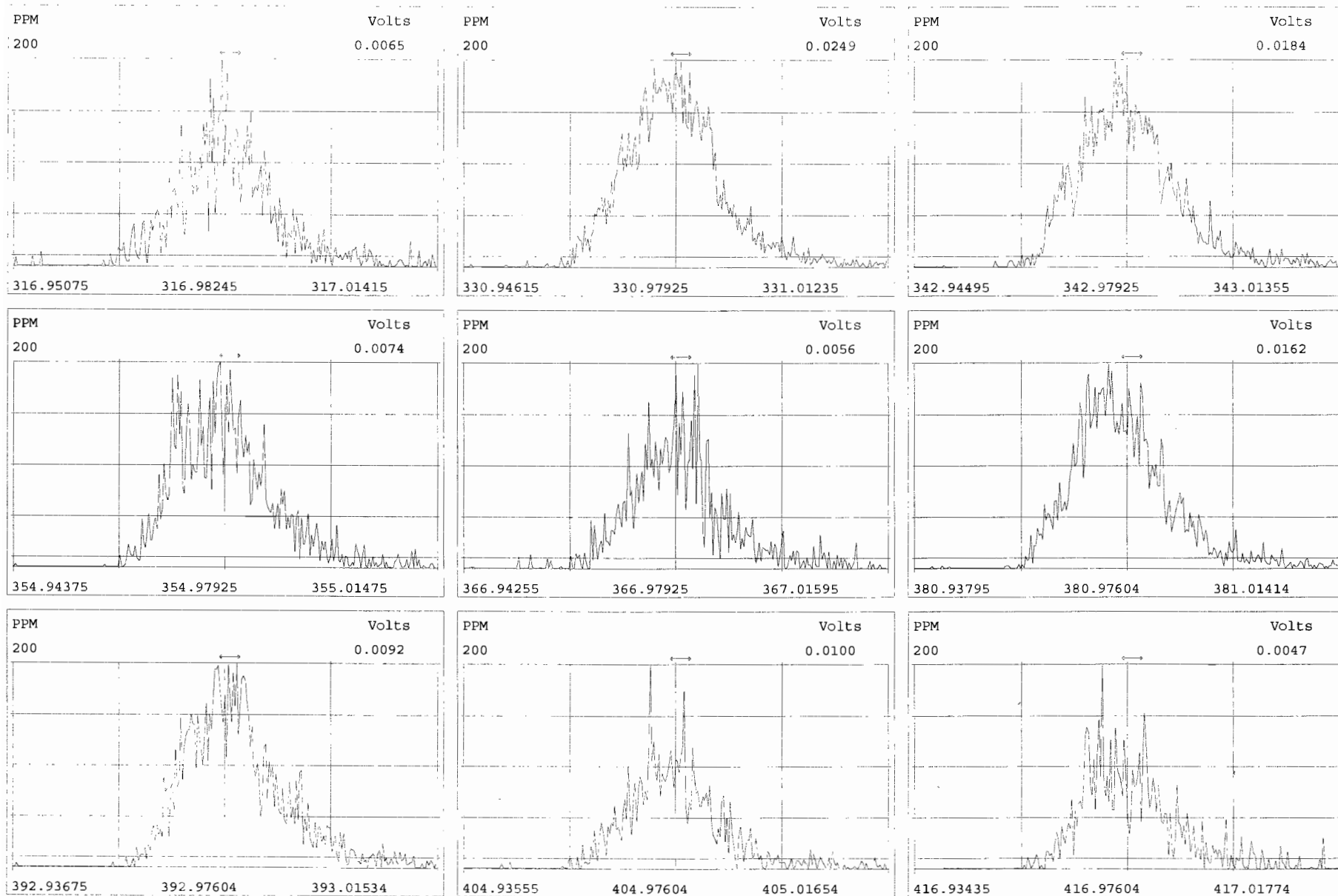
Analyst: DB

Date: 10/10/19



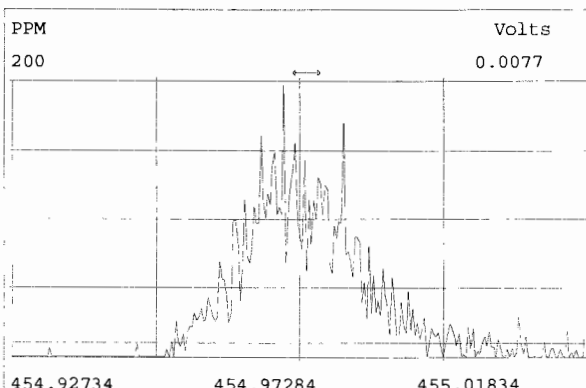
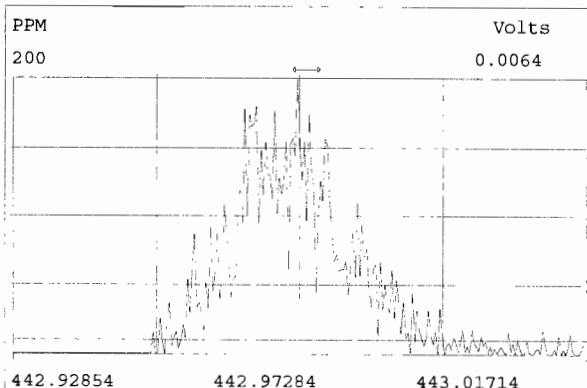
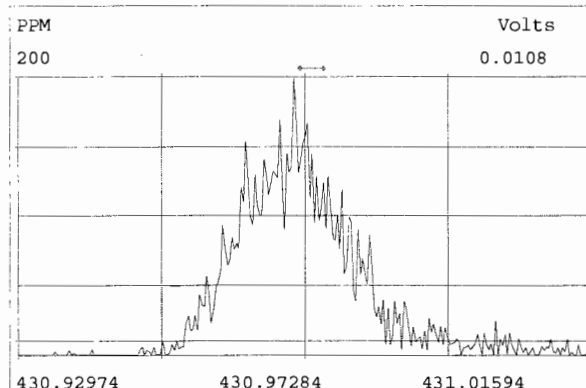
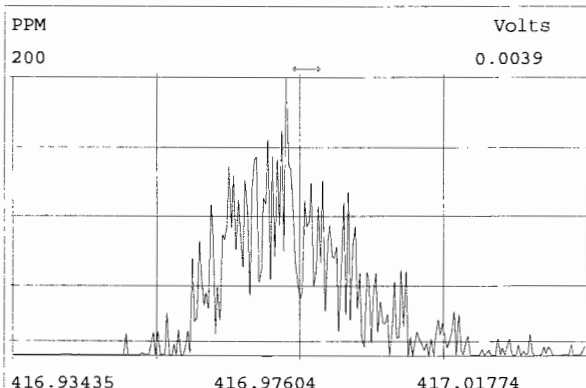
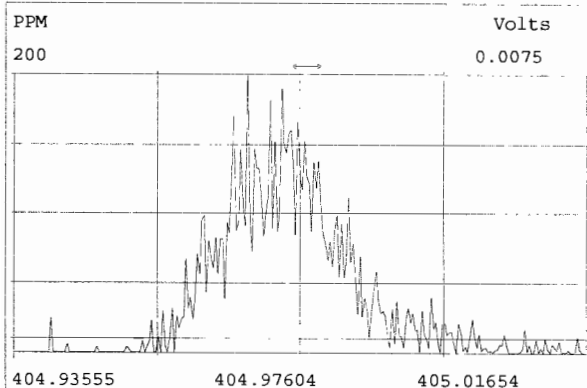
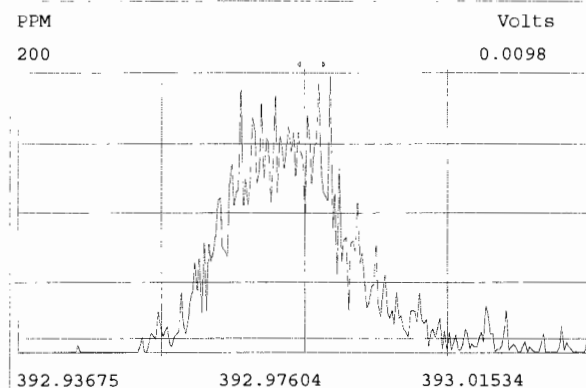
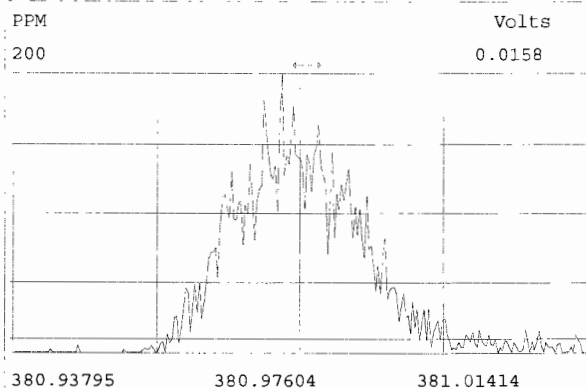
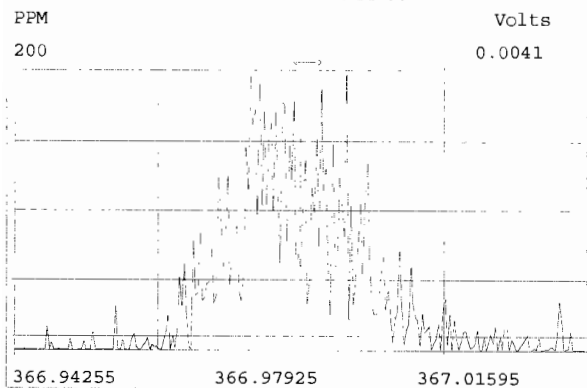
Peak Locate Examination: 9-OCT-2019:16:10 File:191009D1

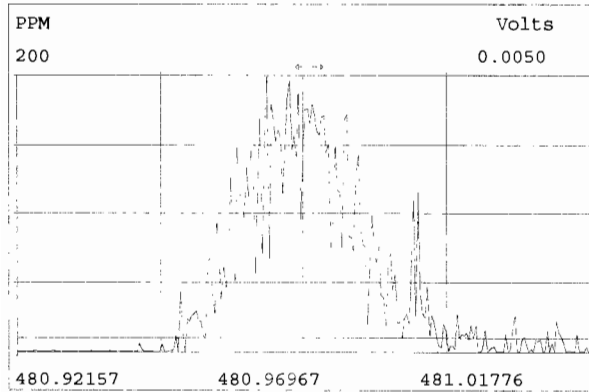
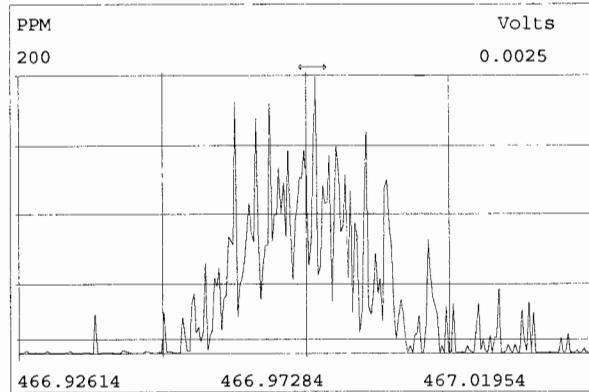
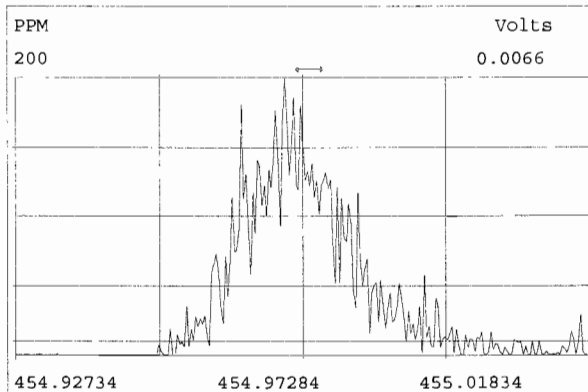
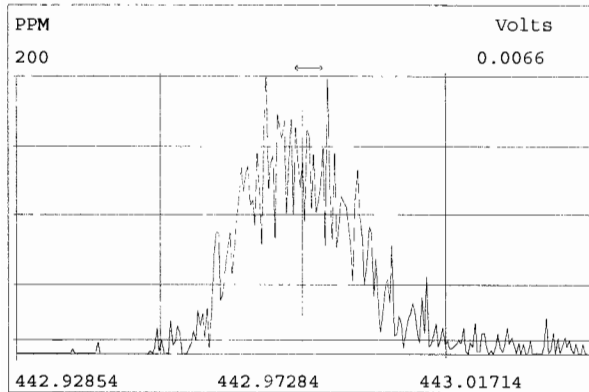
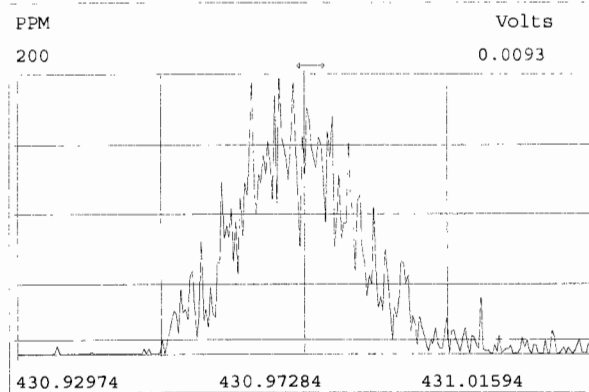
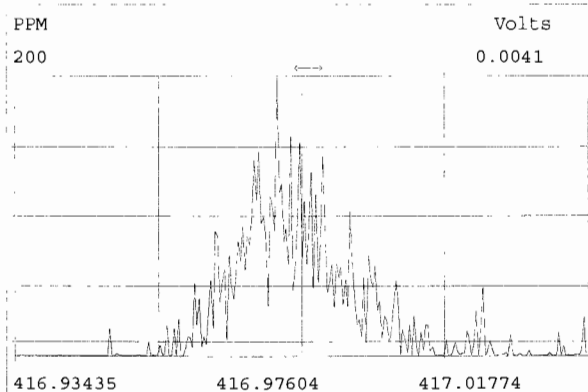
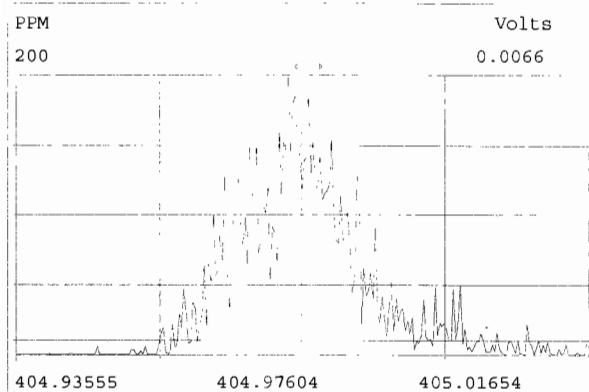
Experiment:OCDD_DB5 Function:2 Reference:PFK



Peak Locate Examination: 9-OCT-2019:16:11 File:191009D1

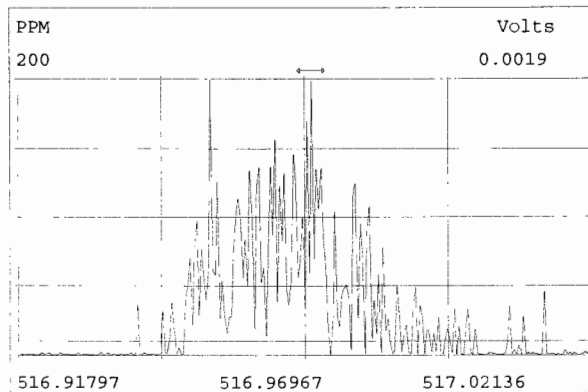
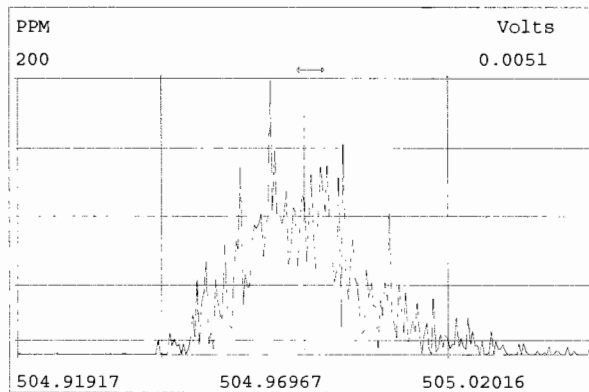
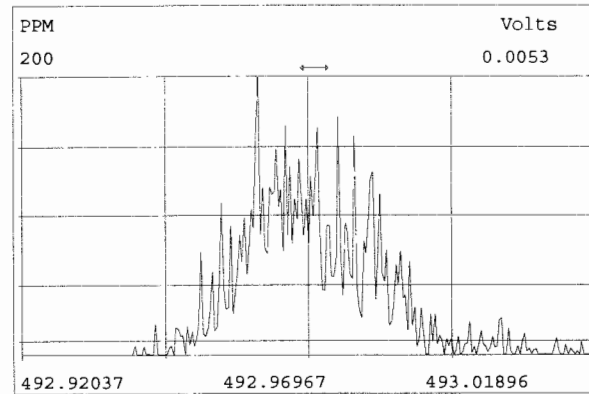
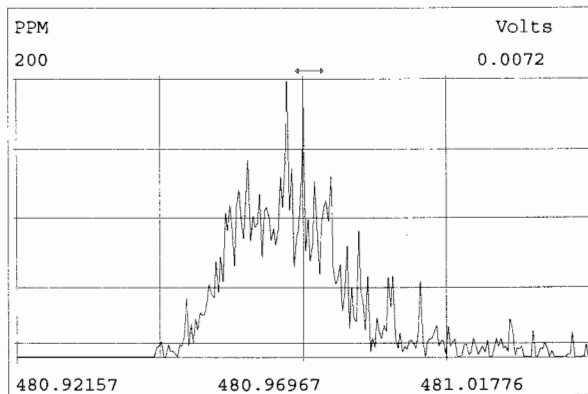
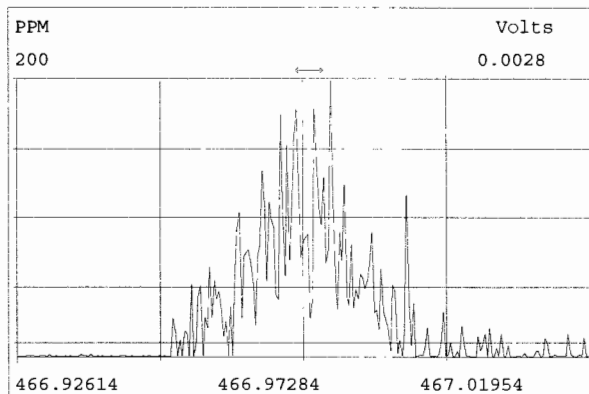
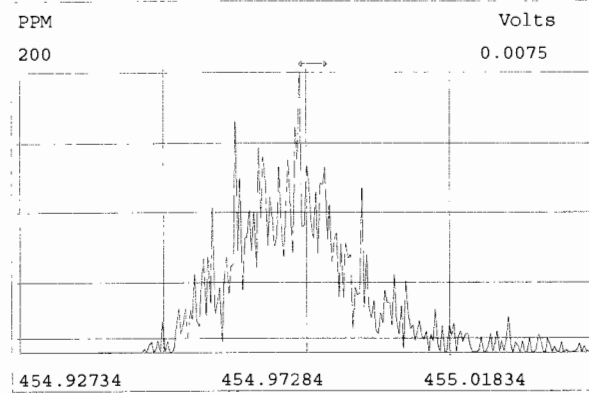
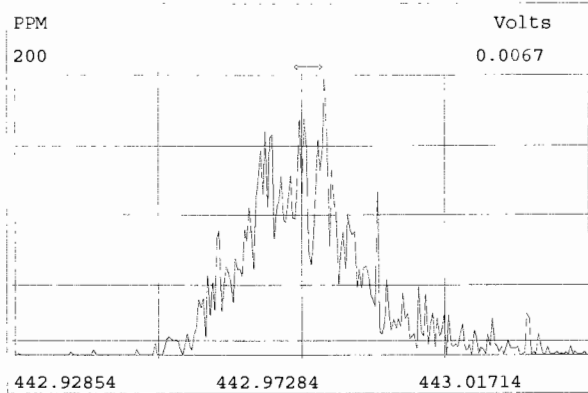
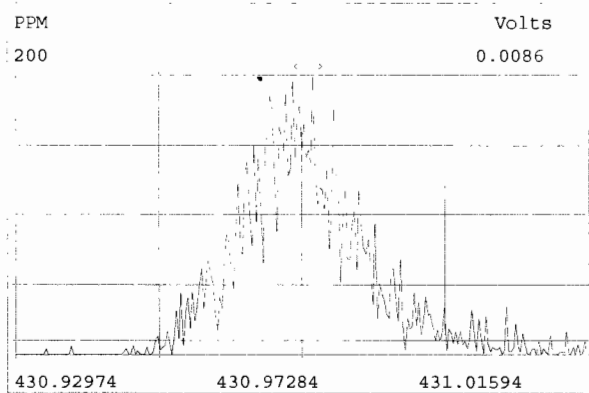
Experiment:OCDD_DB5 Function:3 Reference:PFK





Peak Locate Examination: 9-OCT-2019:16:12 File:191009D1

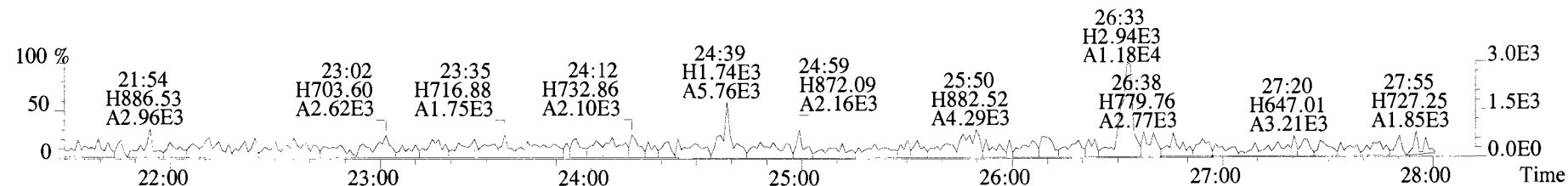
Experiment:OCDD_DB5 Function:5 Reference:PFK



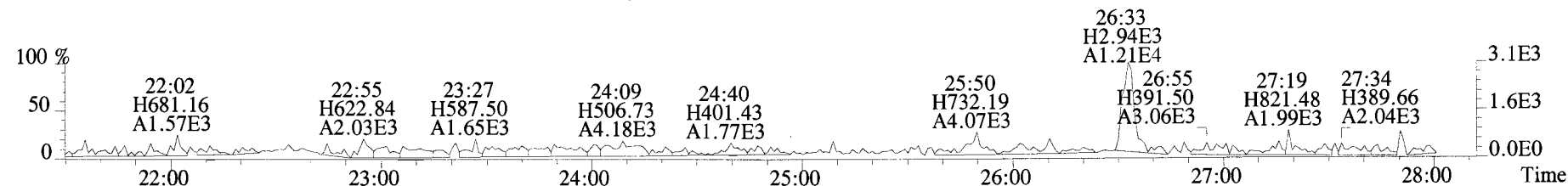
Vista Analytical Laboratory - Injection Log Run file: 191009D1 Instrument ID: VG-7 GC Column ID: ZB-5MS

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

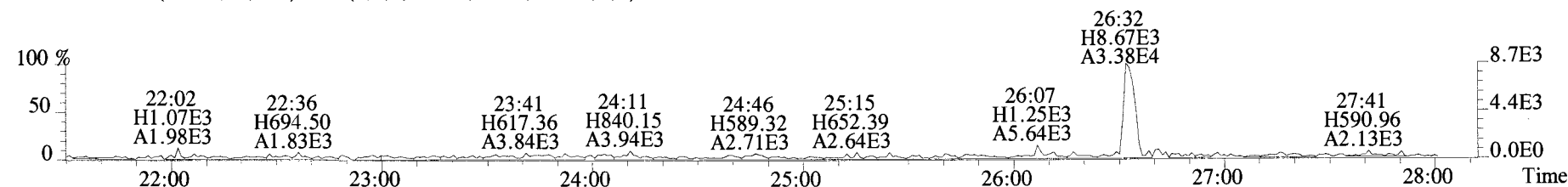
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



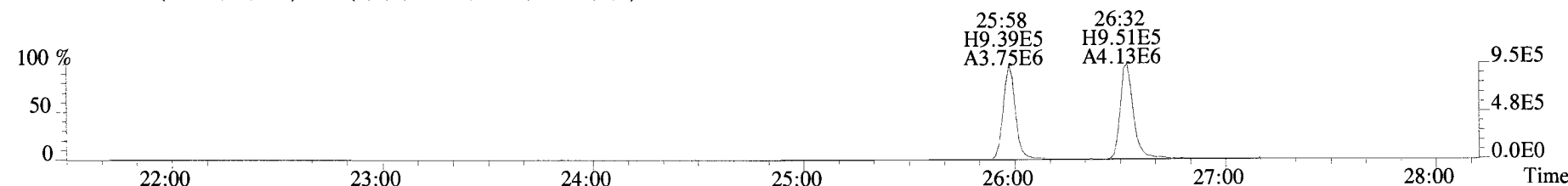
321.8936 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



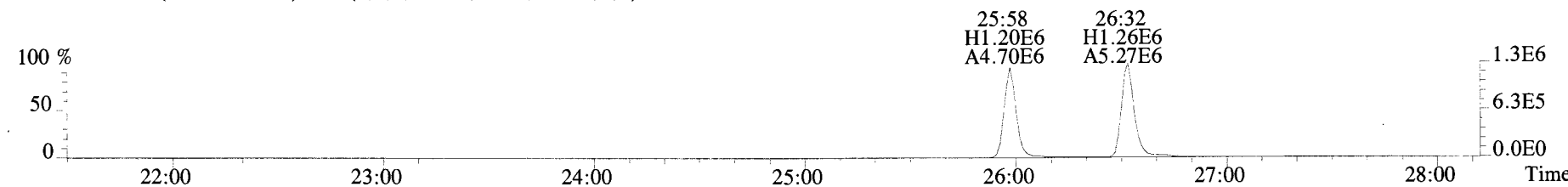
327.8847 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



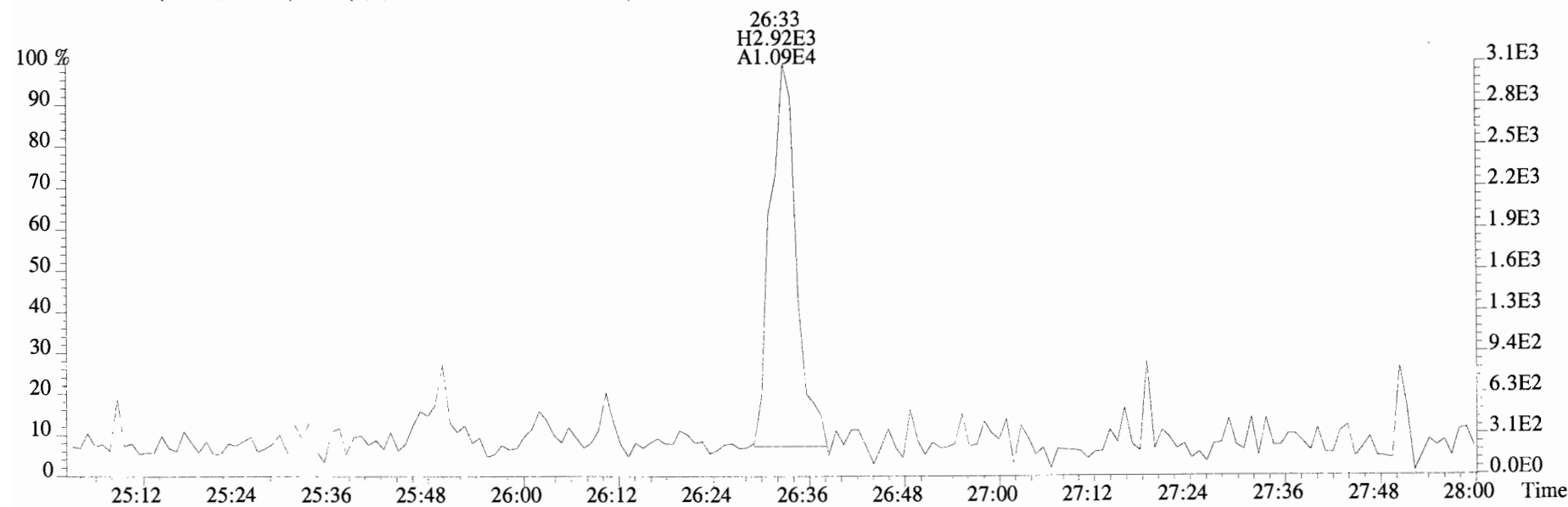
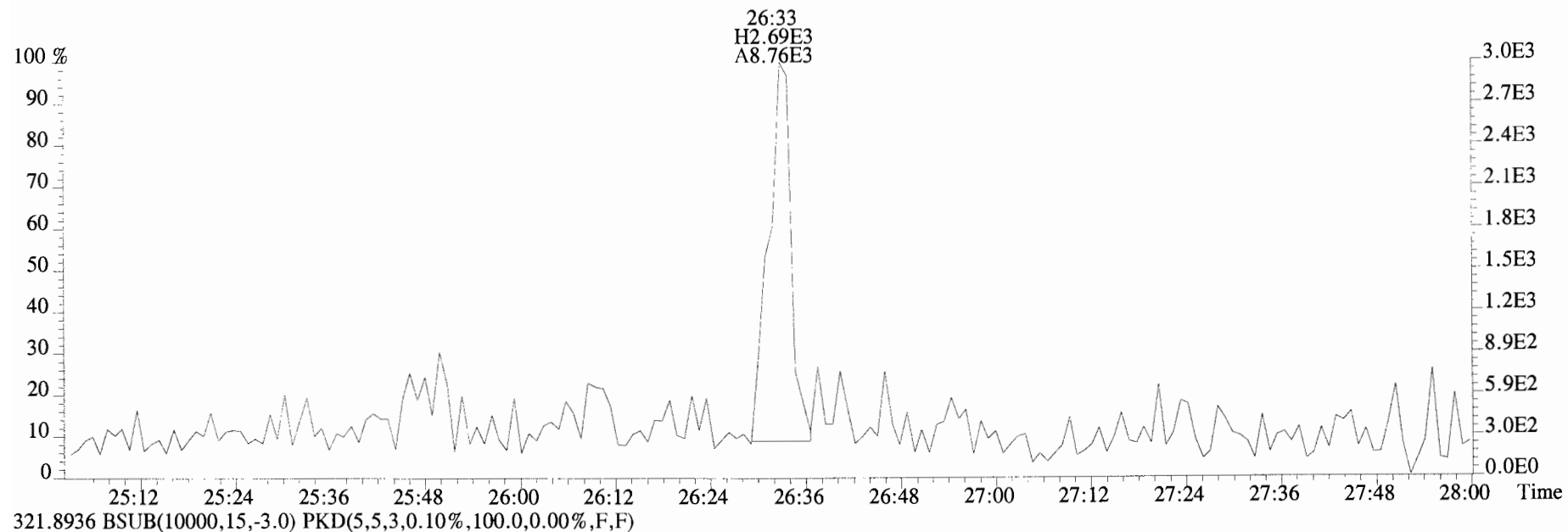
331.9368 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



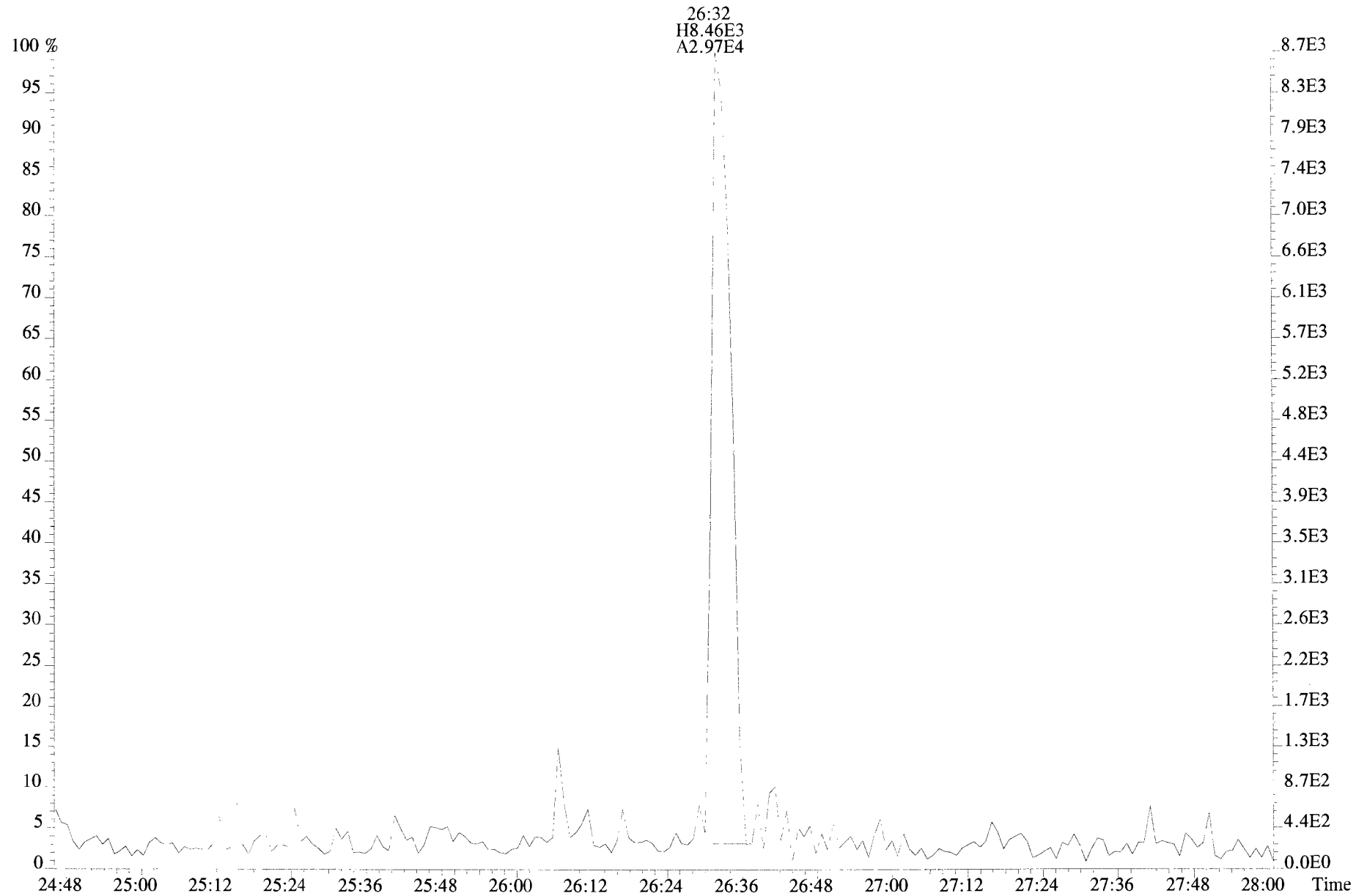
333.9339 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



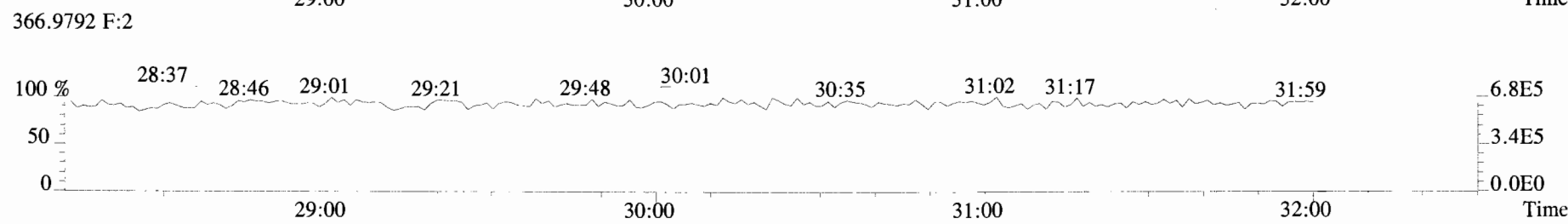
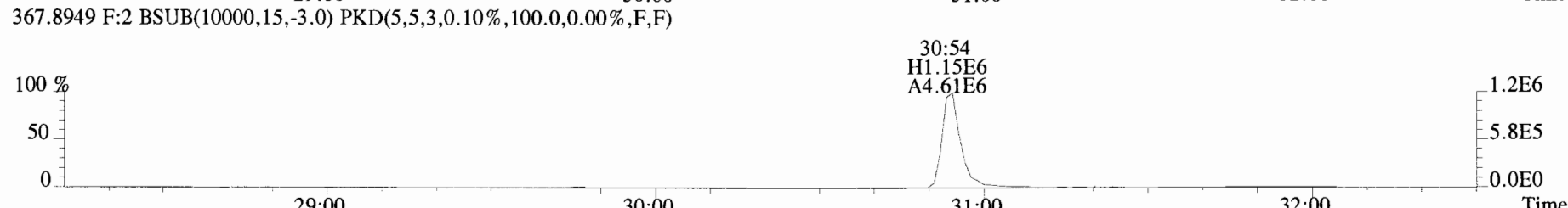
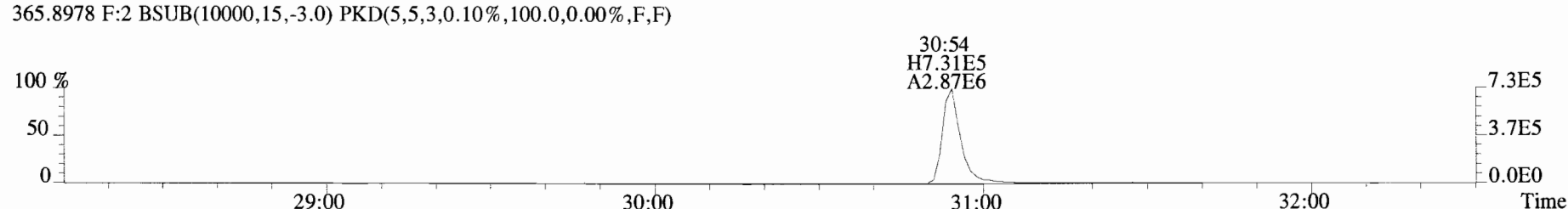
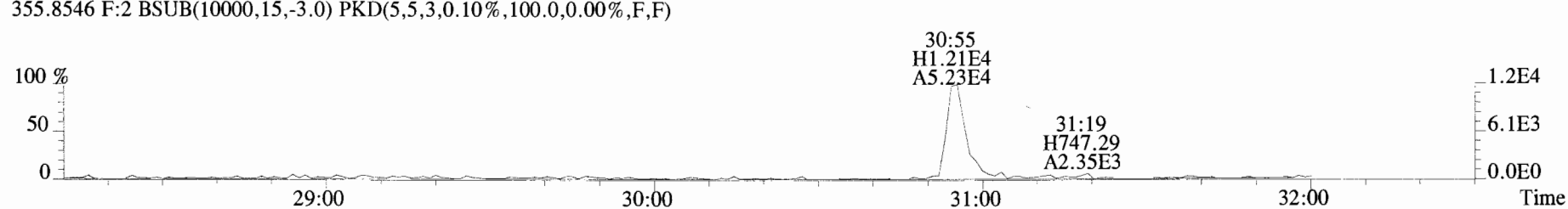
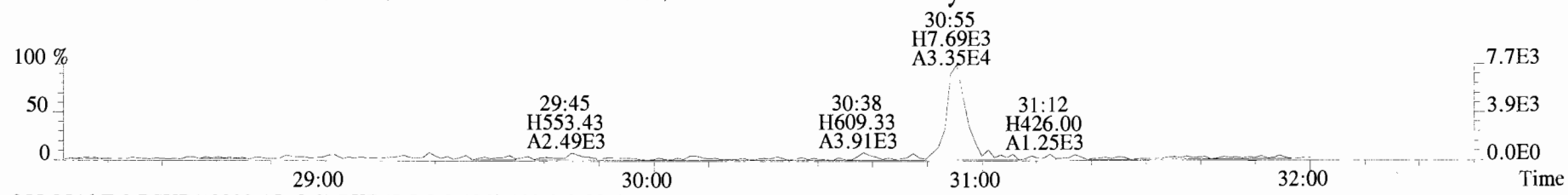
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
319.8965 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



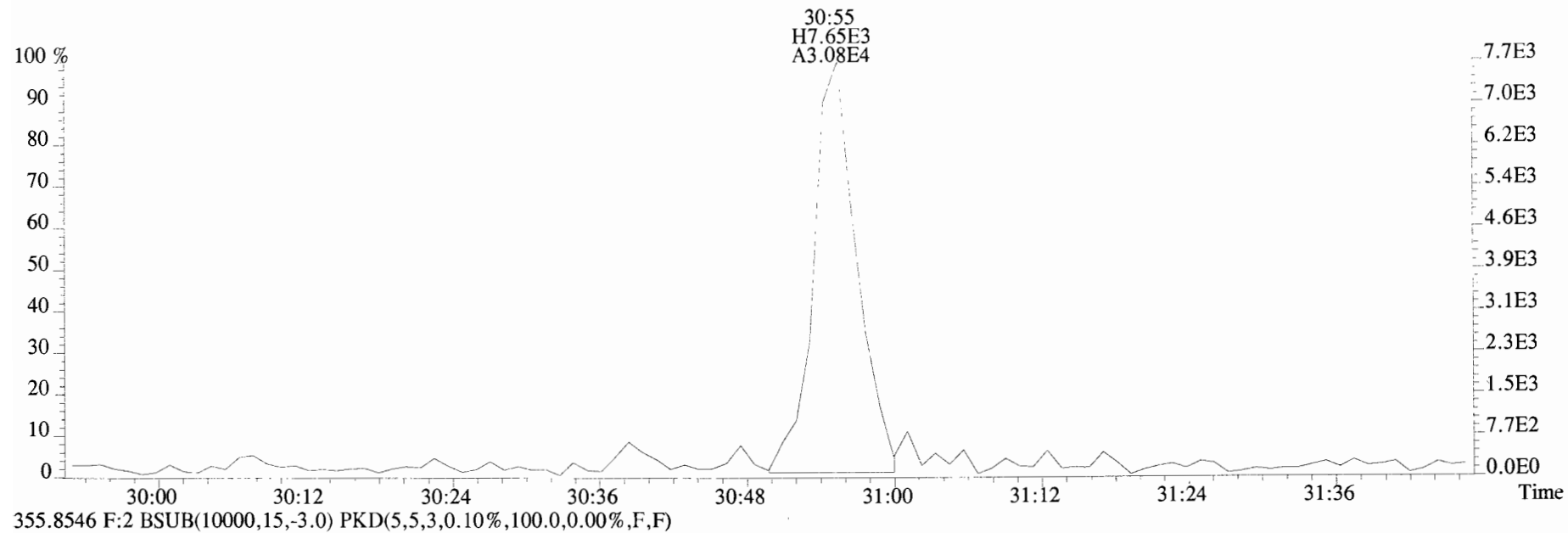
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
327.8847 BSUB(10000,15,-3.0)



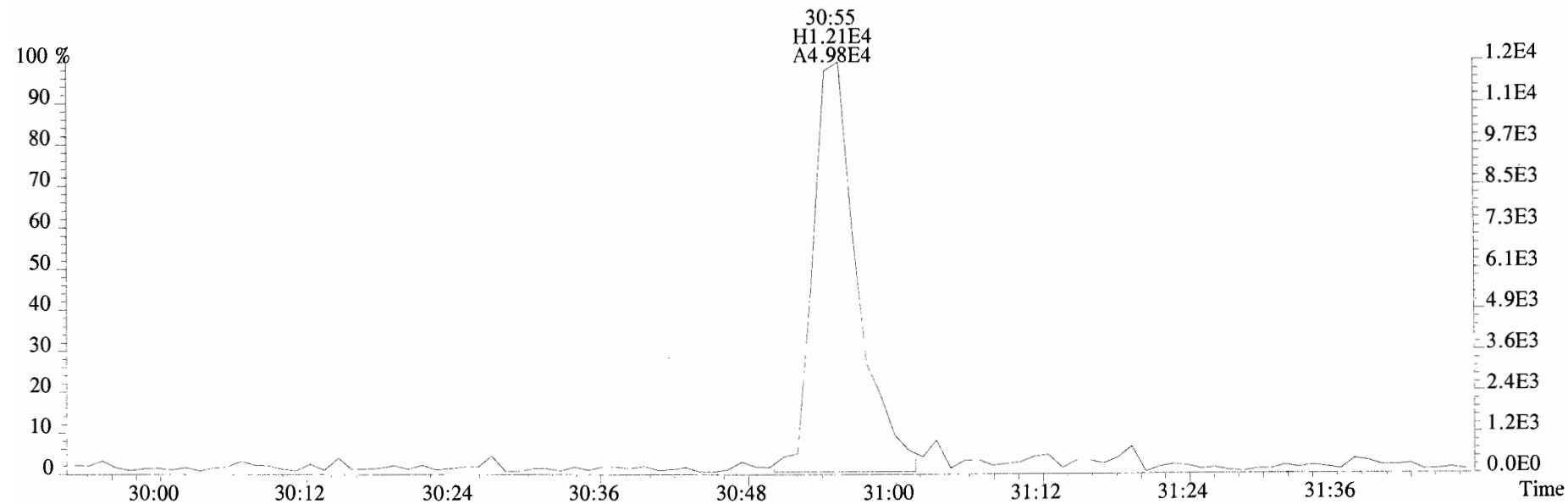
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



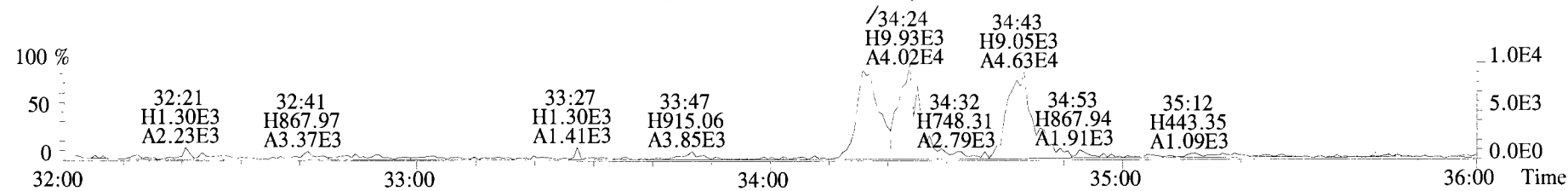
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
353.8576 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



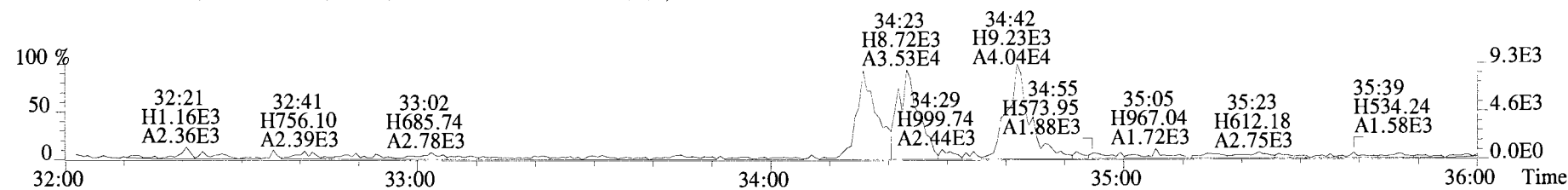
355.8546 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



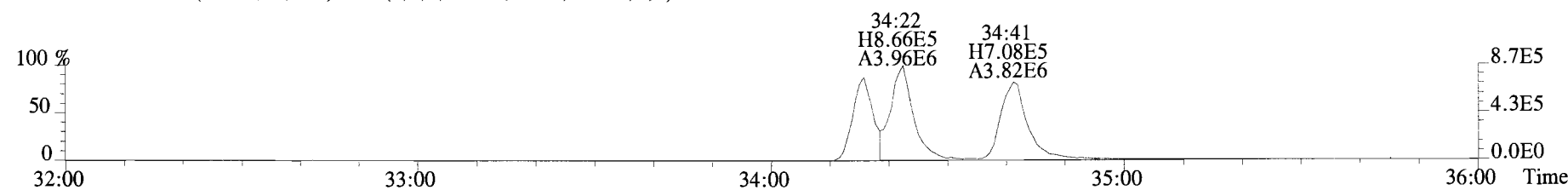
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



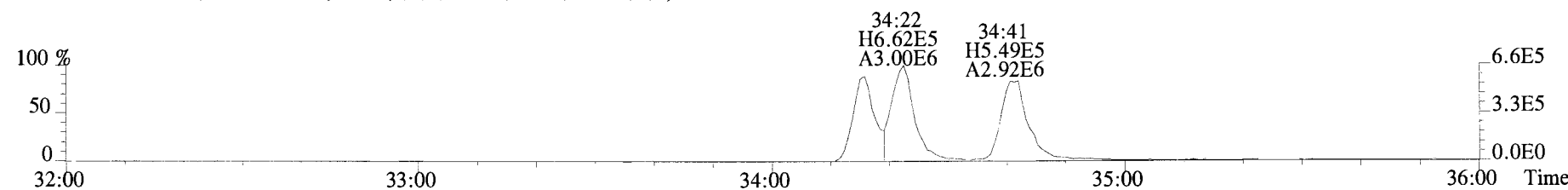
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



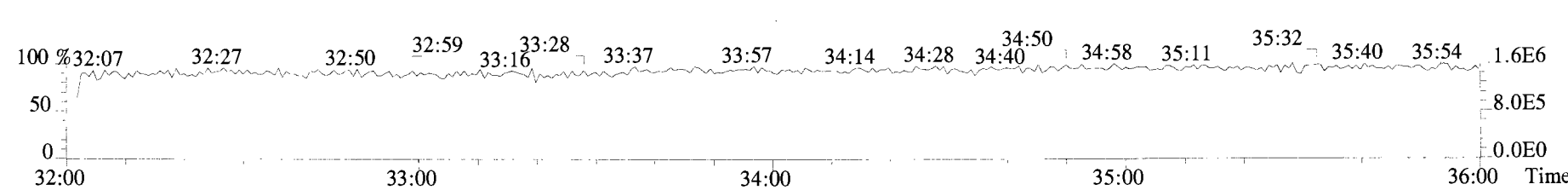
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



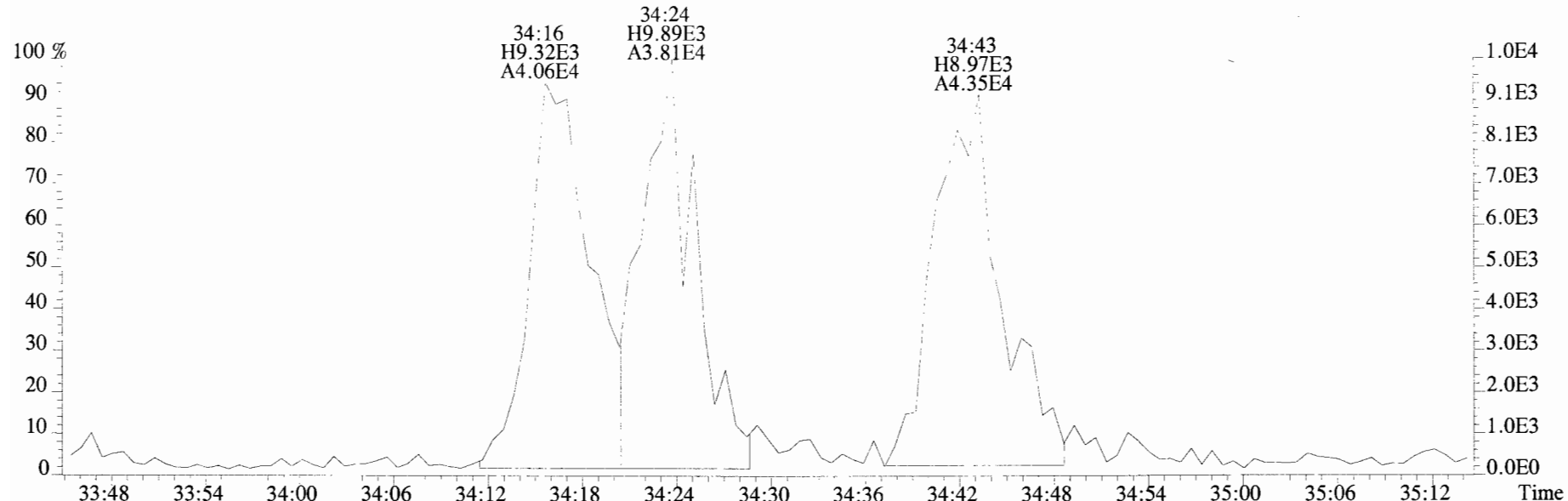
403.8530 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



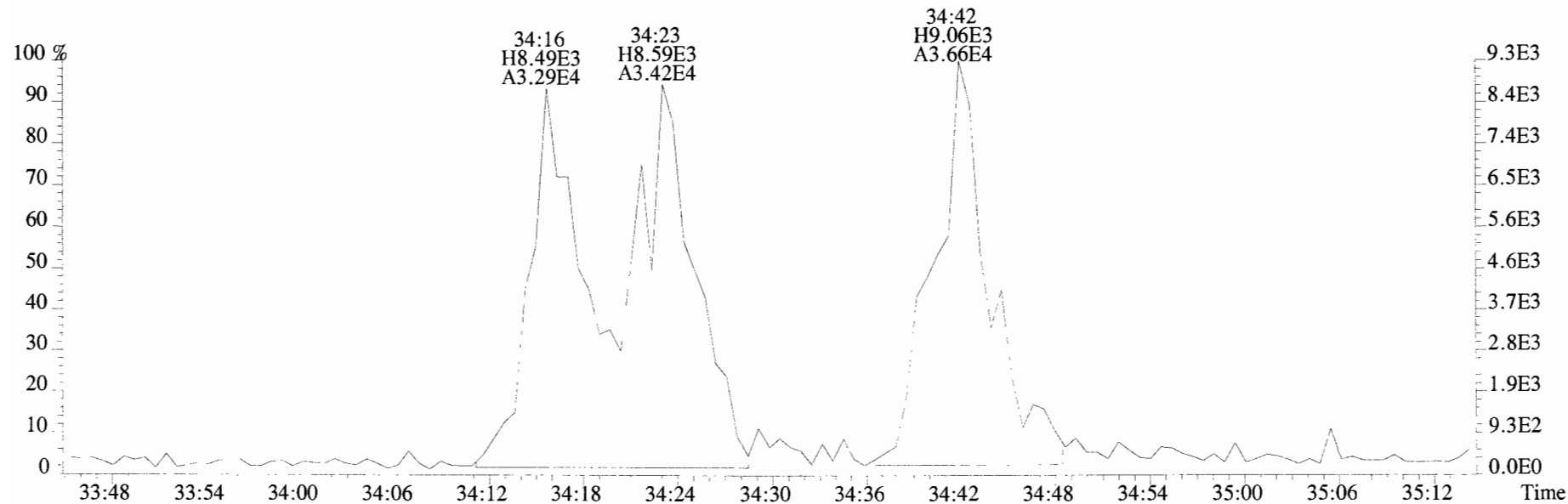
392.9760 F:3



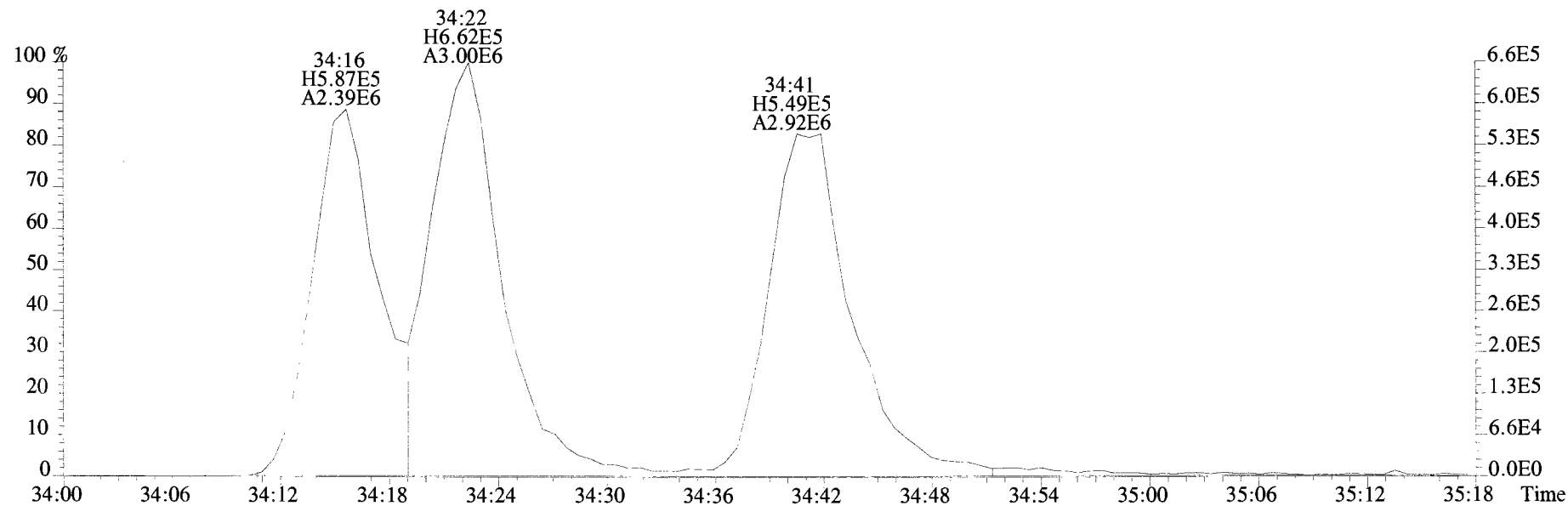
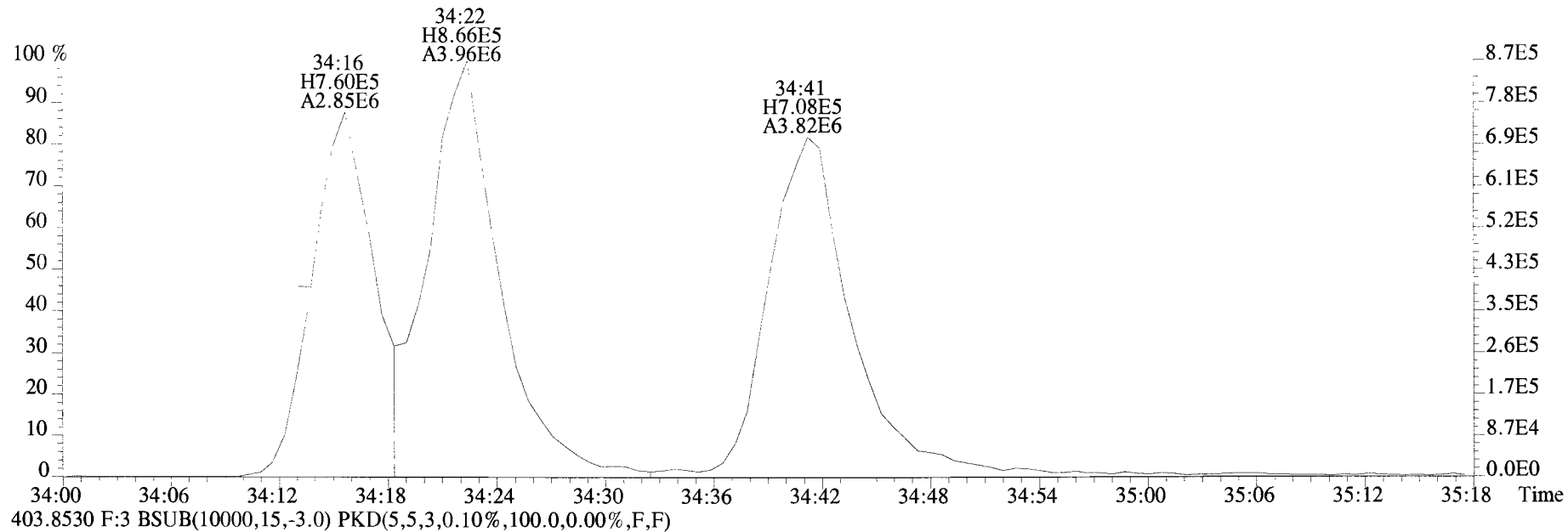
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
389.8156 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



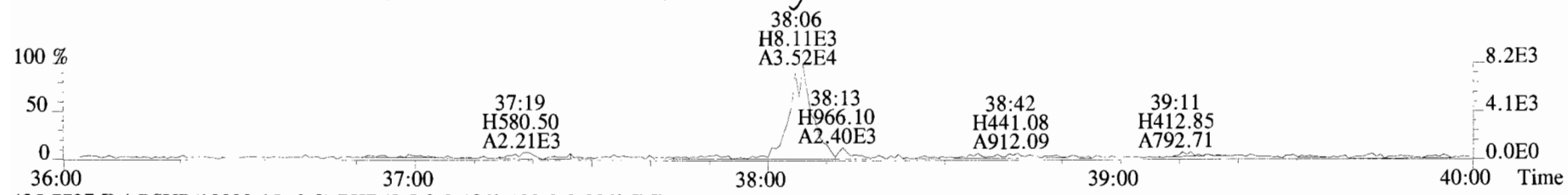
391.8127 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



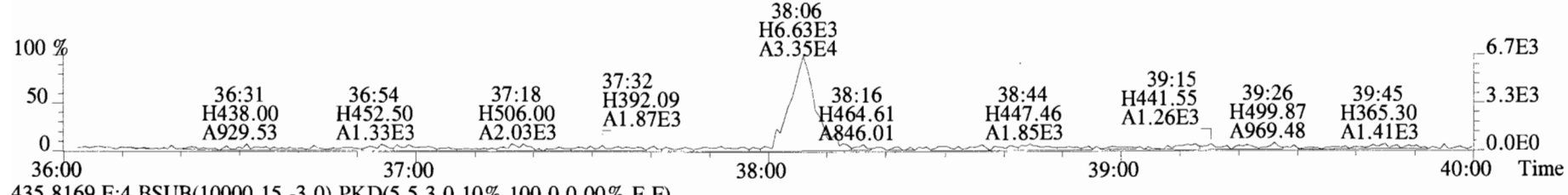
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
401.8559 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



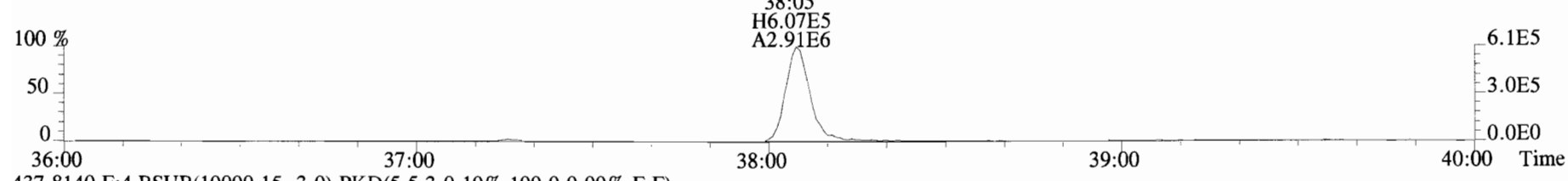
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



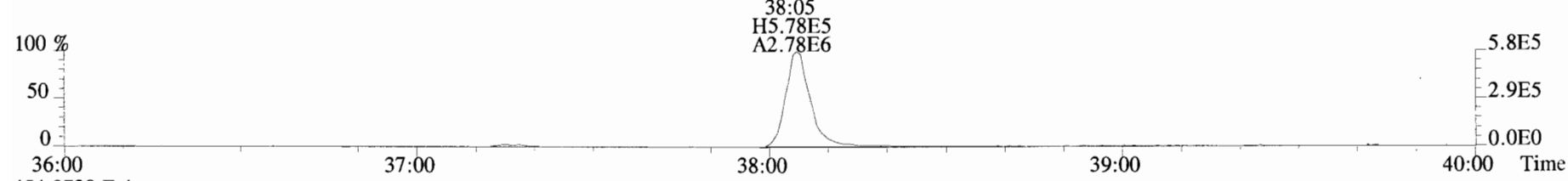
425.7737 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



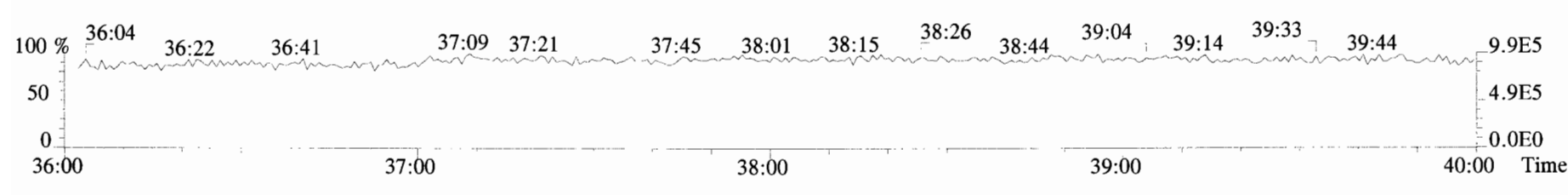
435.8169 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



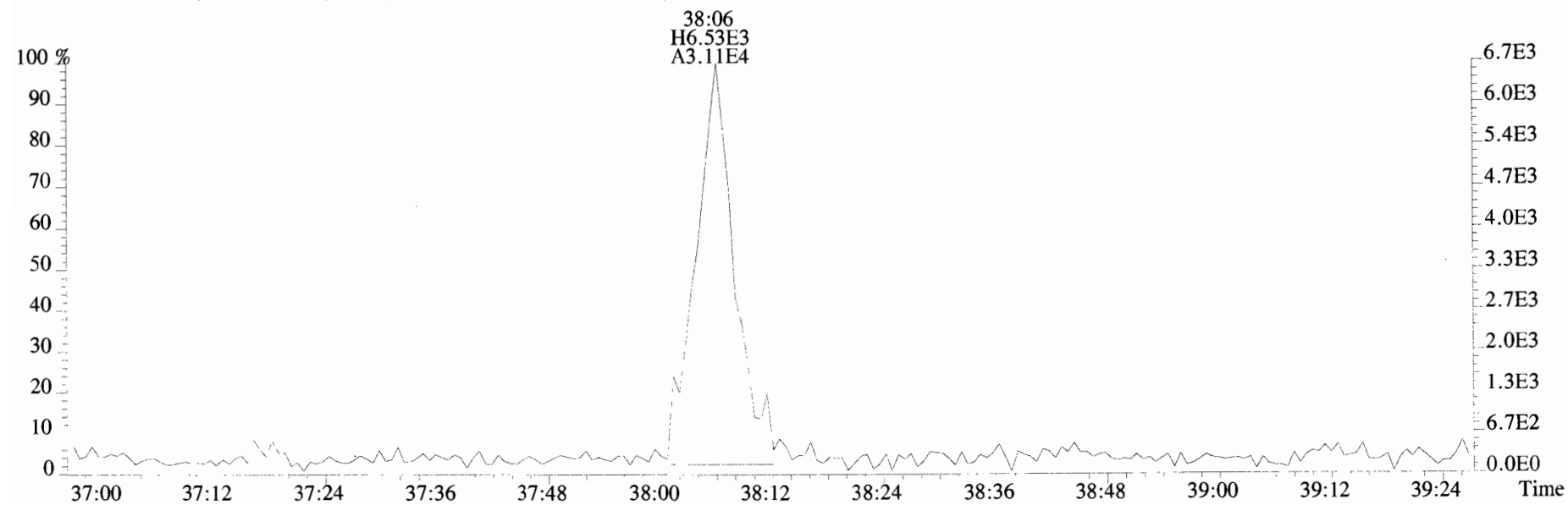
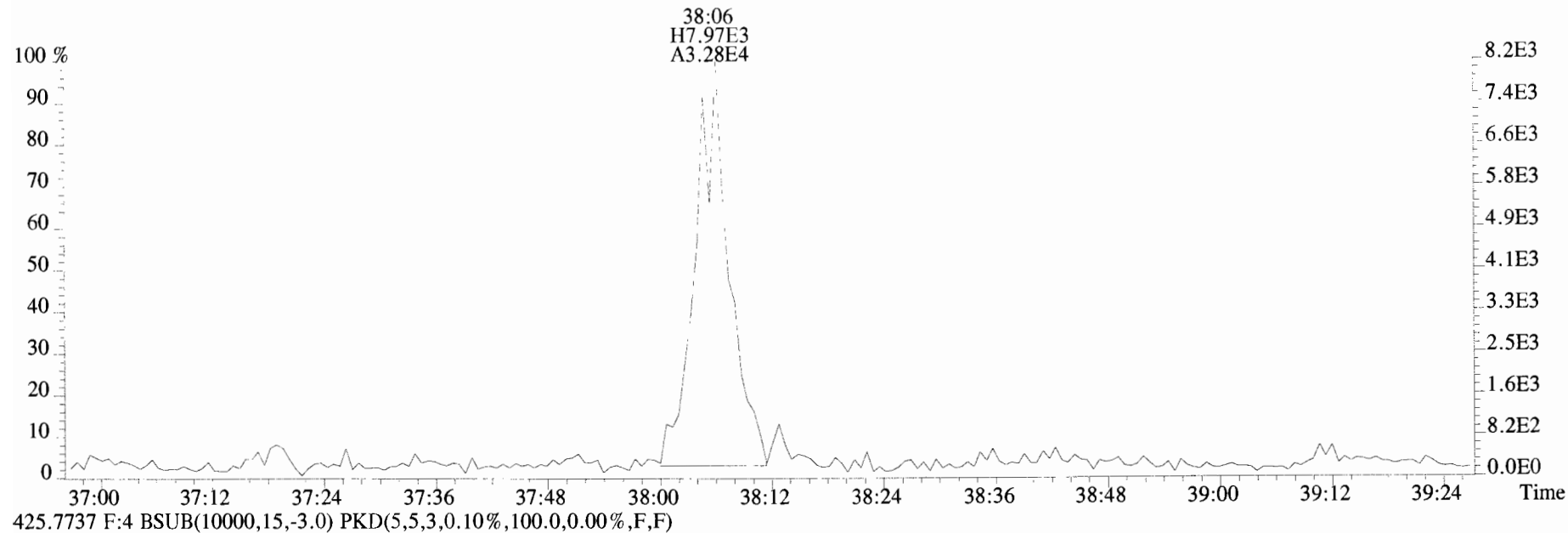
437.8140 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



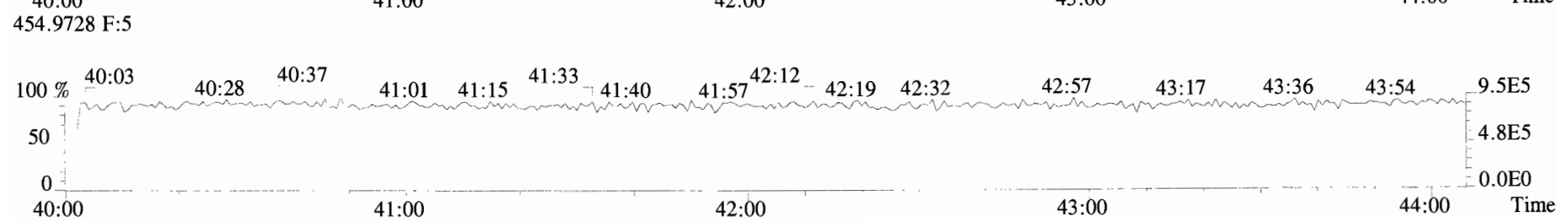
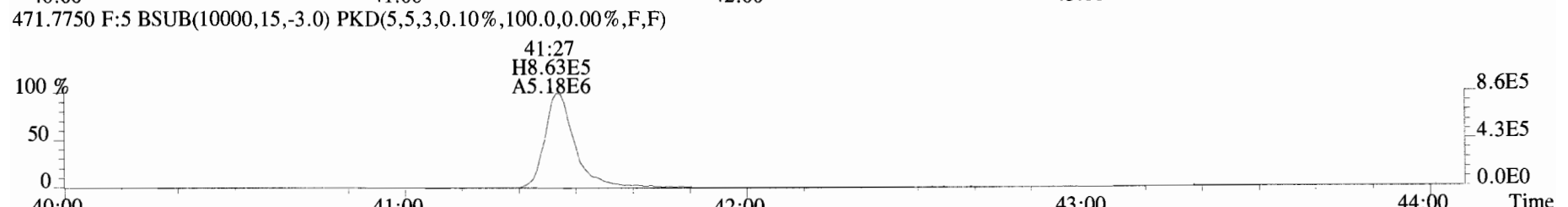
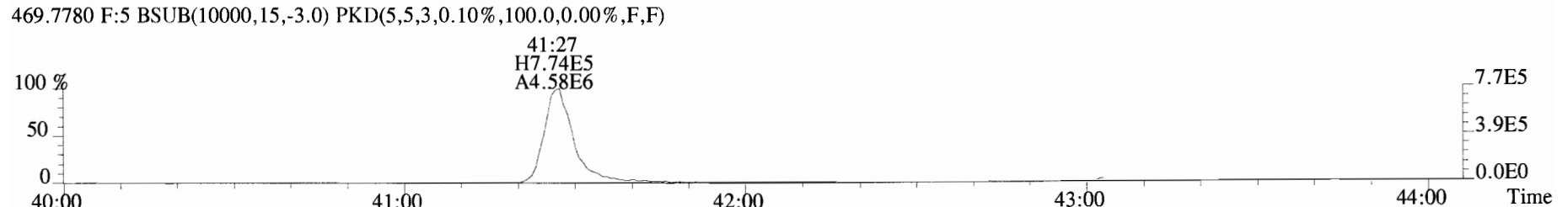
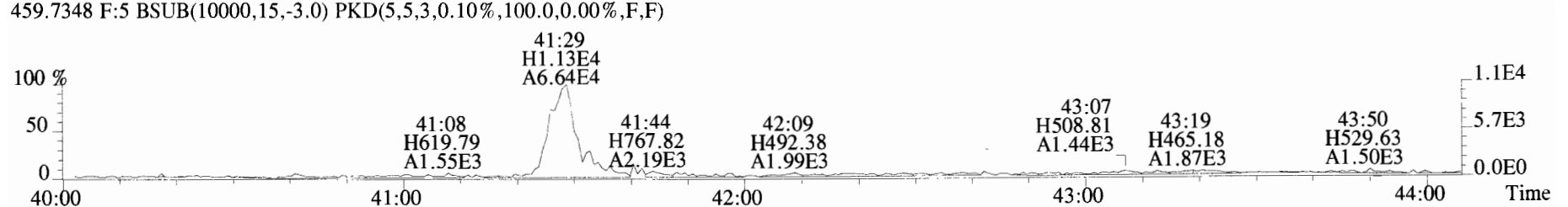
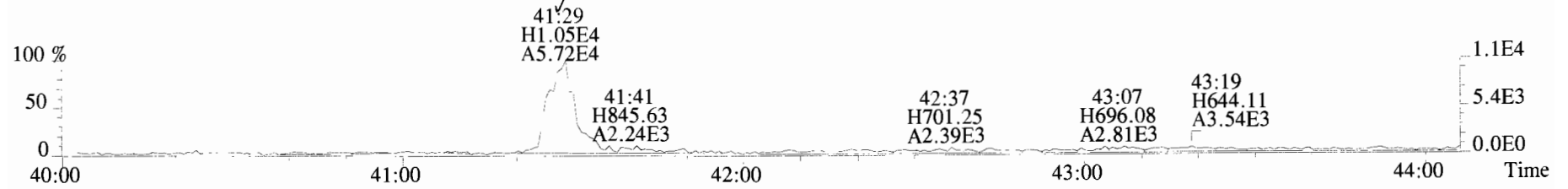
454.9728 F:4



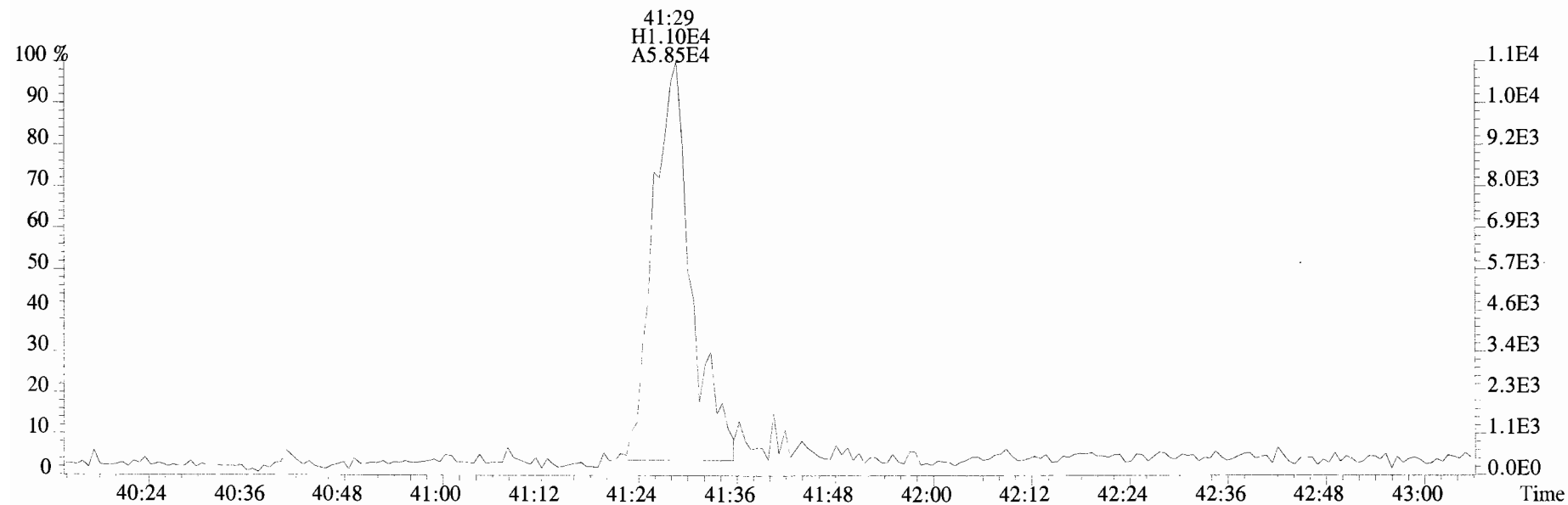
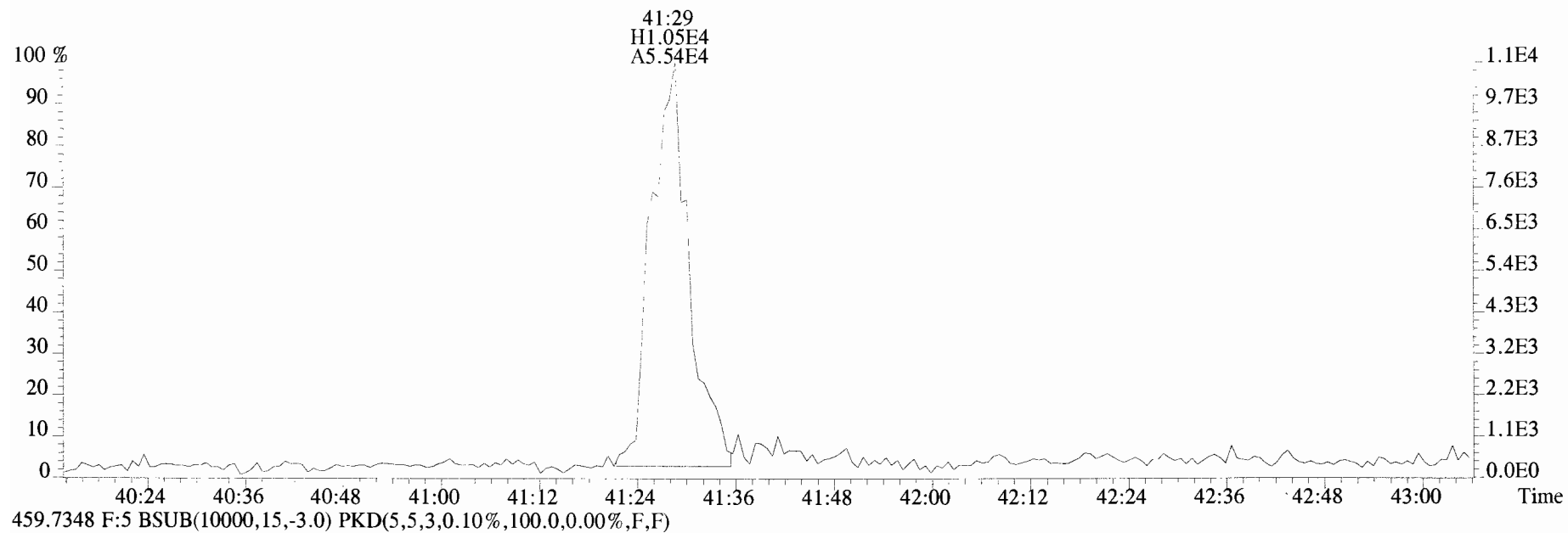
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
423.7767 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



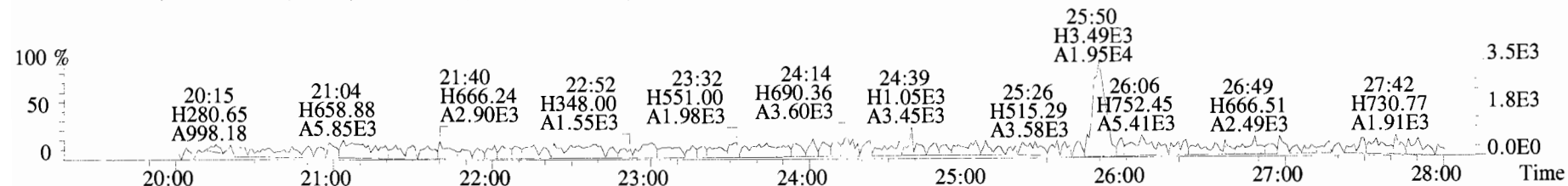
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



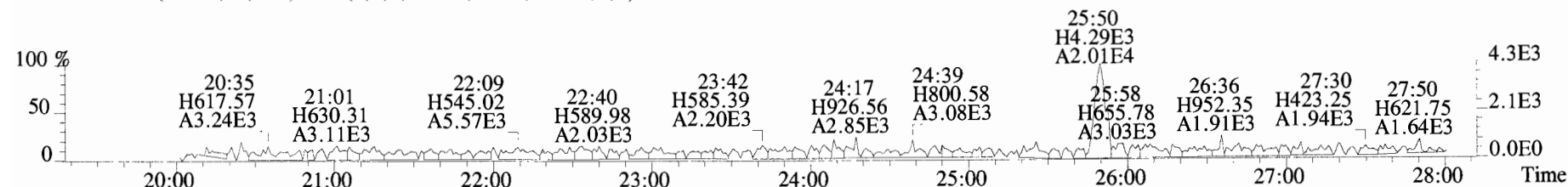
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
457.7377 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



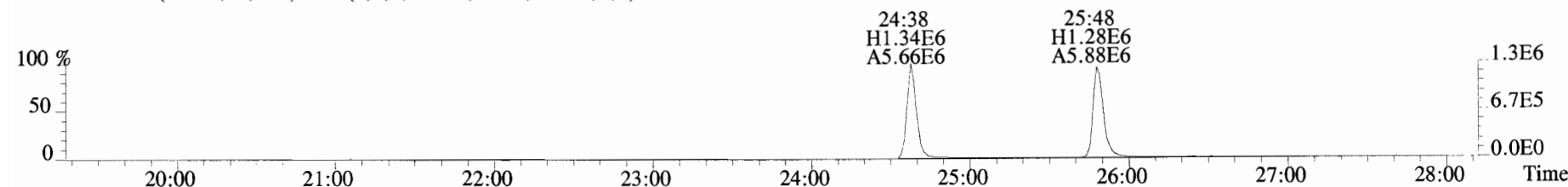
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



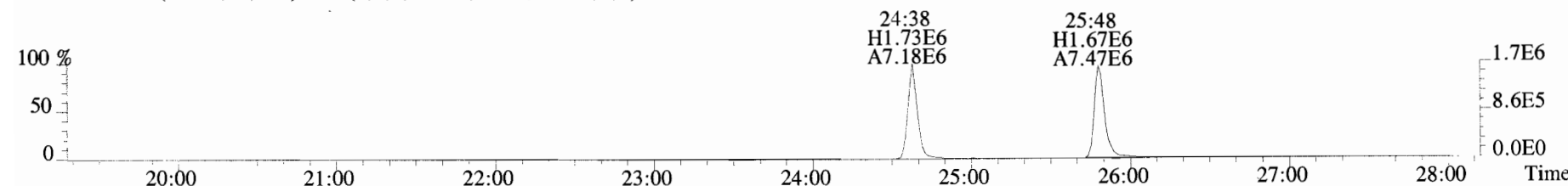
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



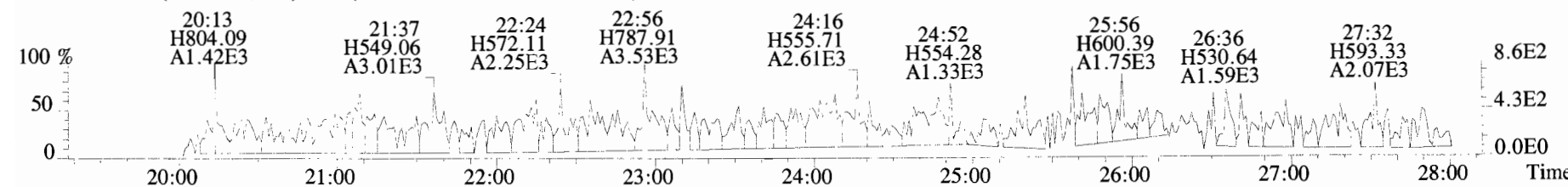
315.9419 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



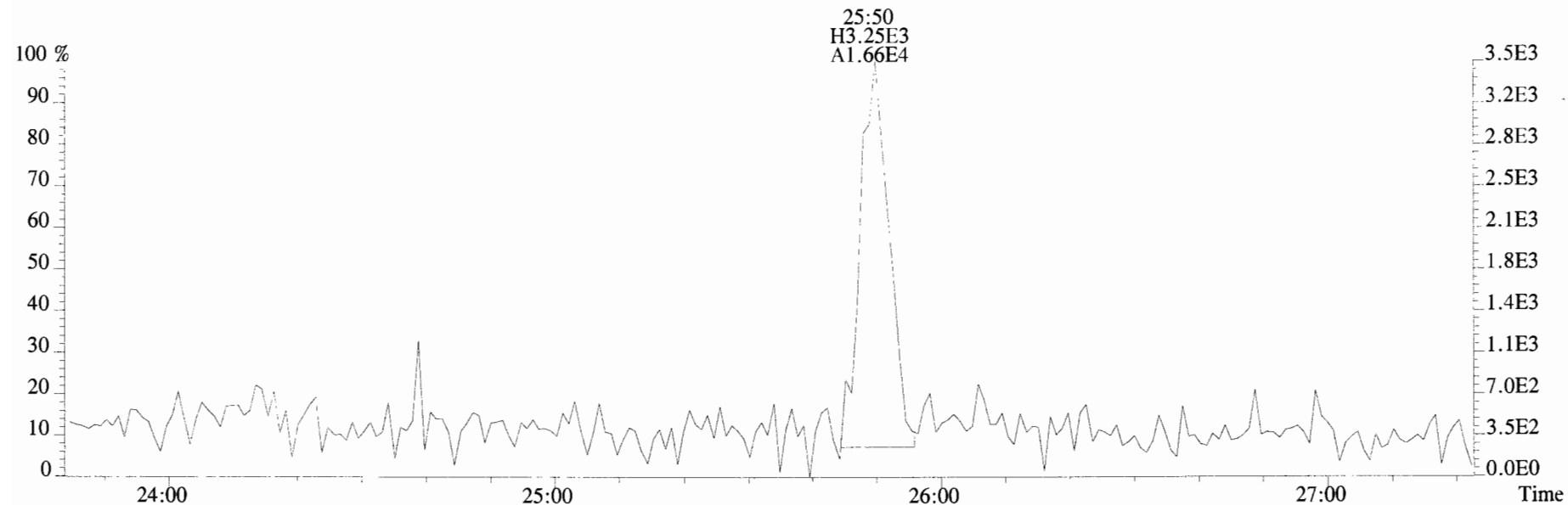
317.9389 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



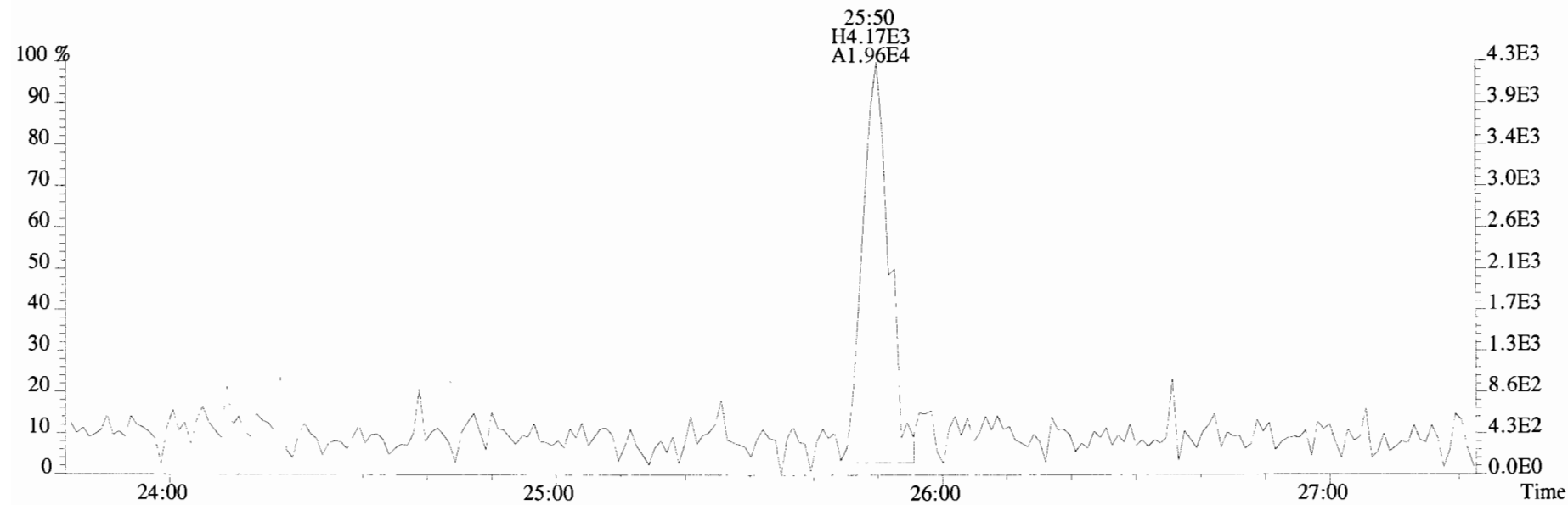
375.8364 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



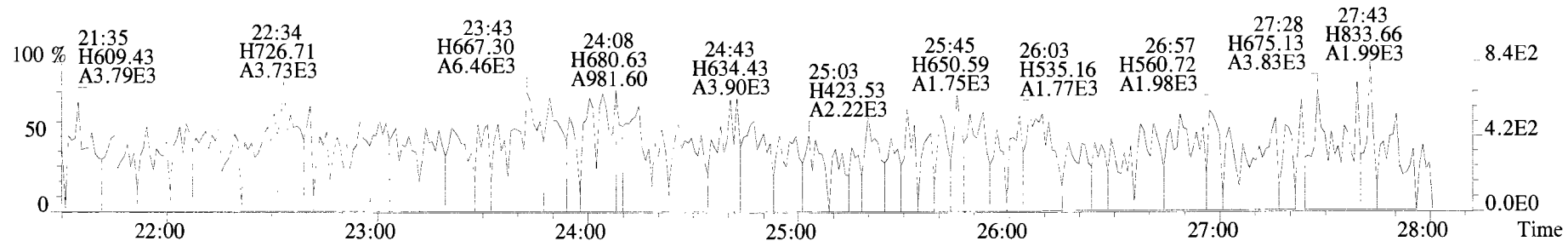
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
303.9016 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



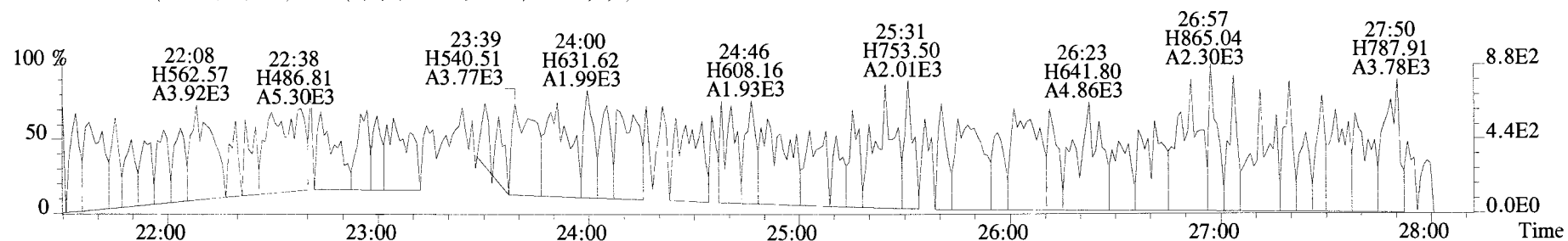
305.8987 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



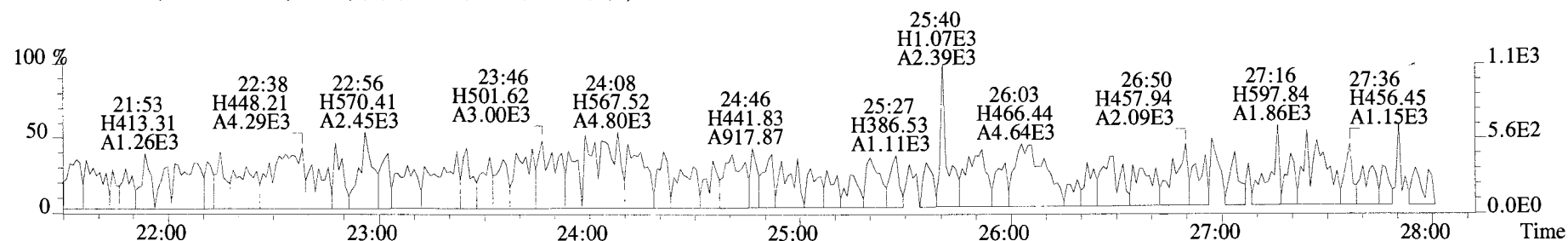
File:191009D1 #1-514 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 339.8597 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



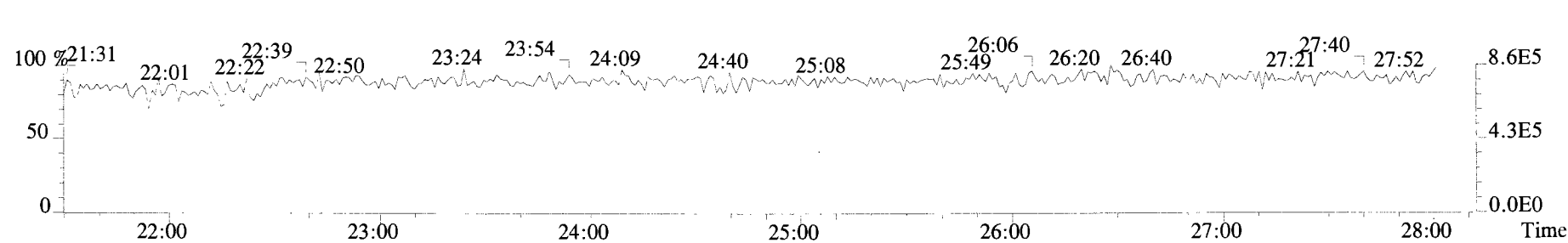
341.8568 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



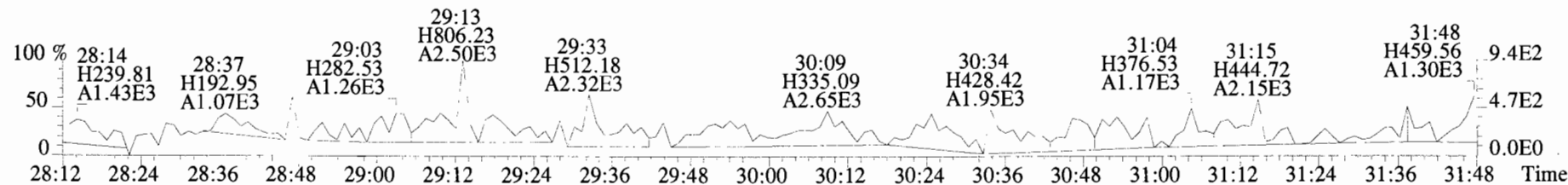
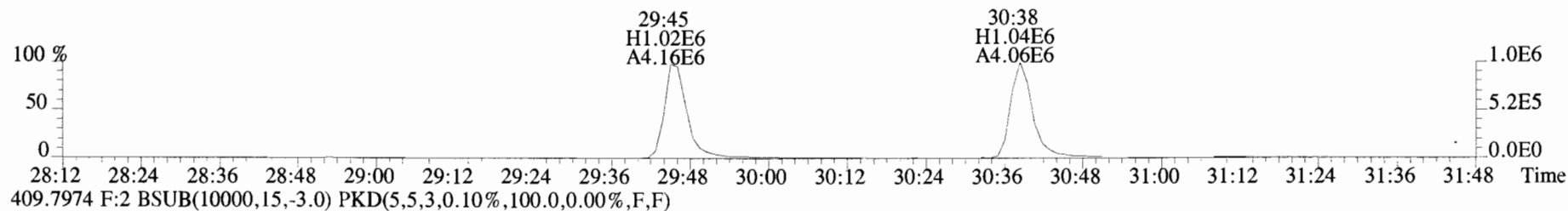
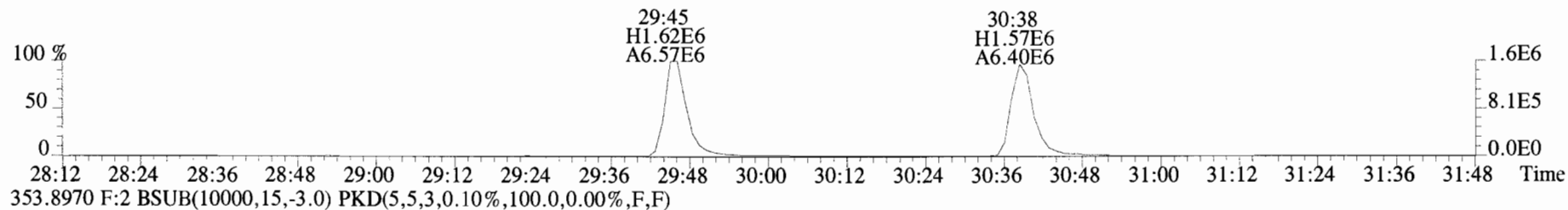
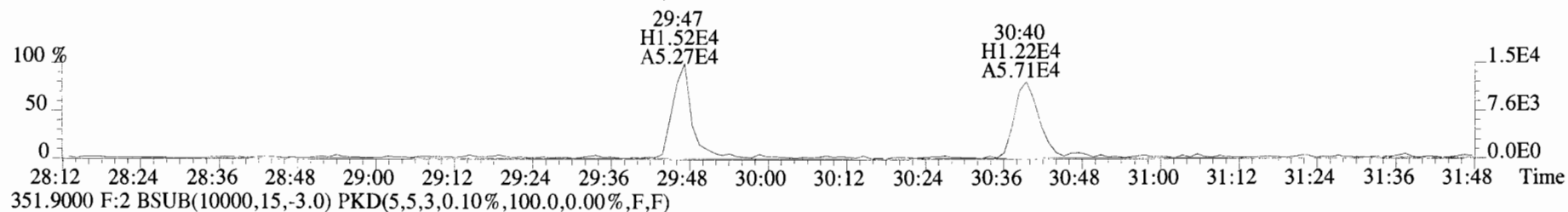
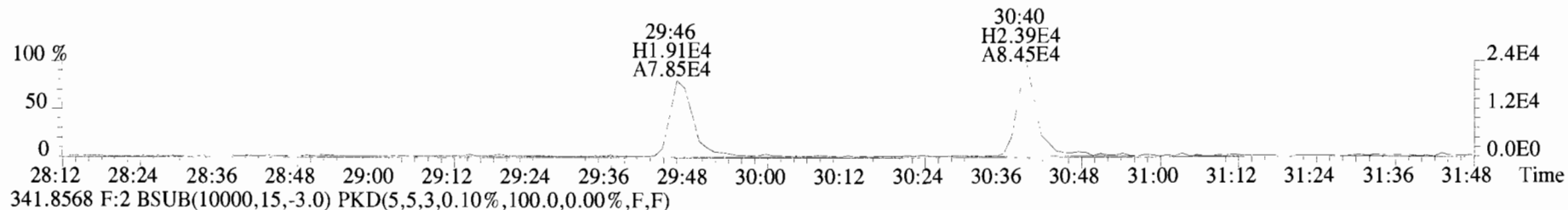
409.7974 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



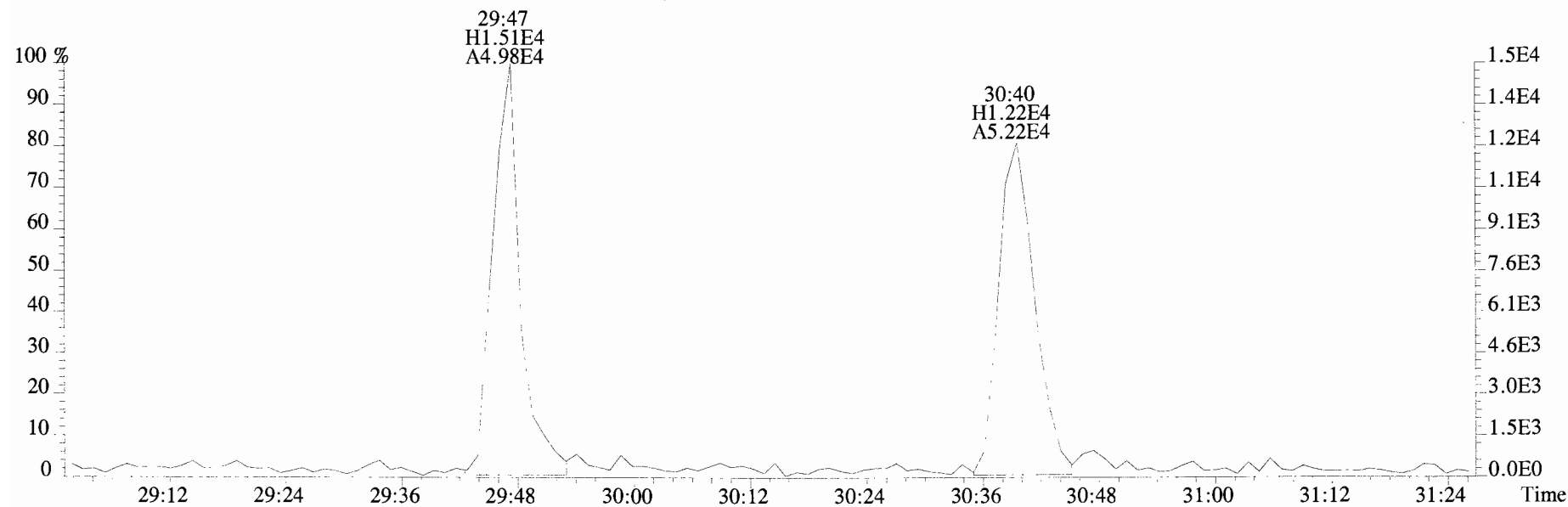
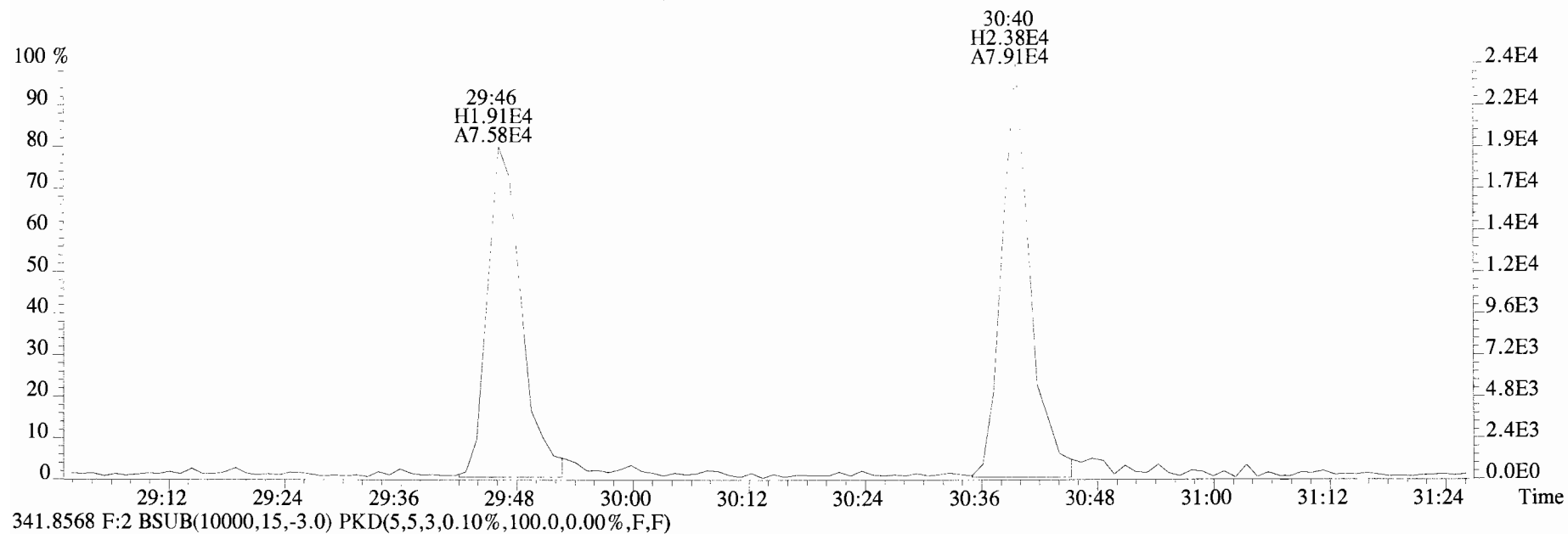
316.9824



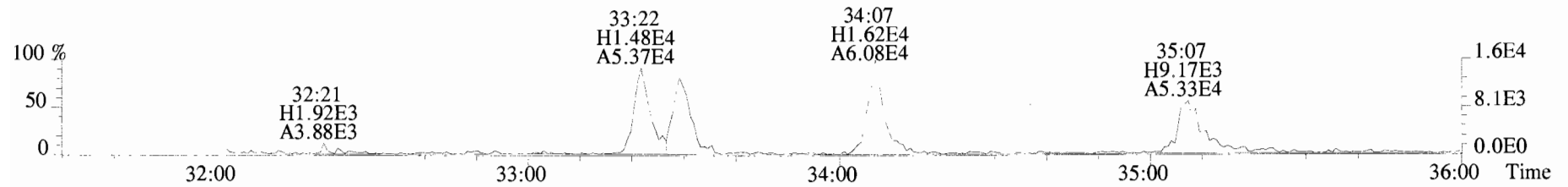
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



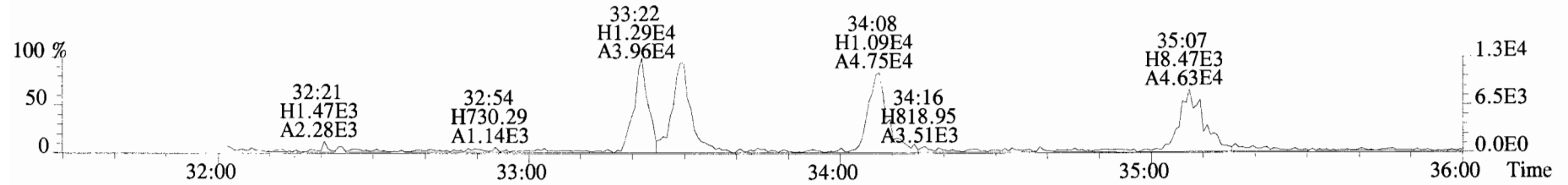
File:191009D1 #1-210 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
339.8597 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



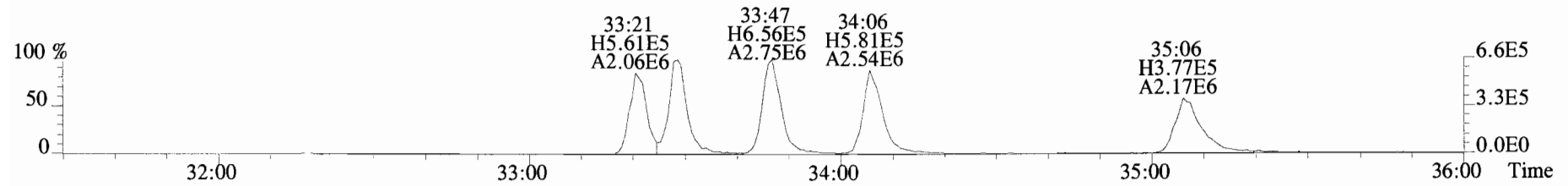
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#1 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
 373.8207 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



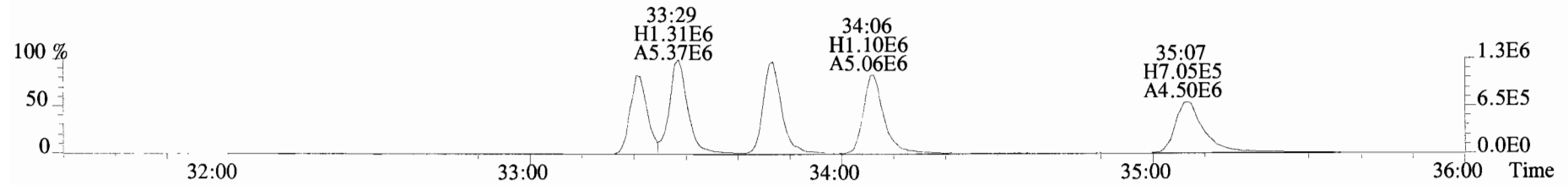
375.8178 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



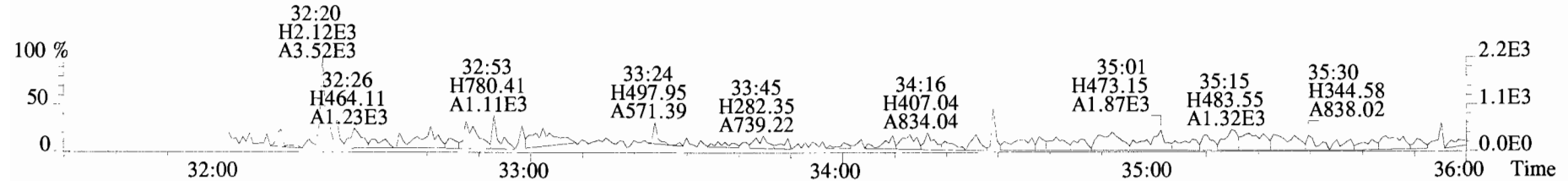
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



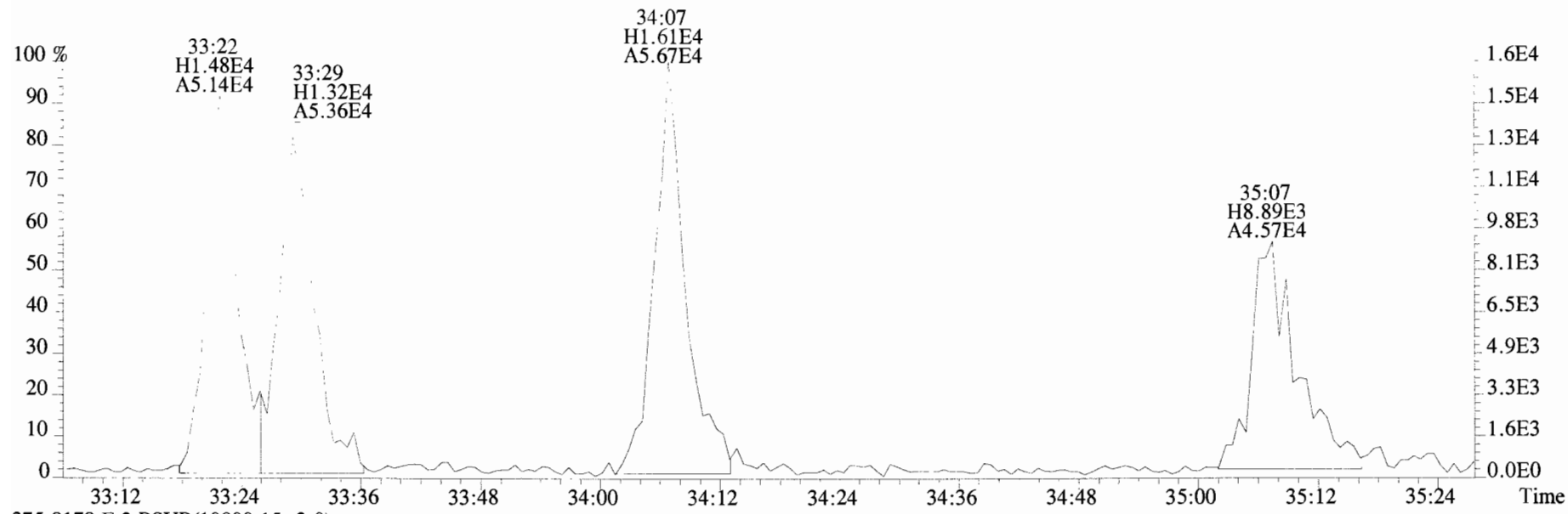
385.8610 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



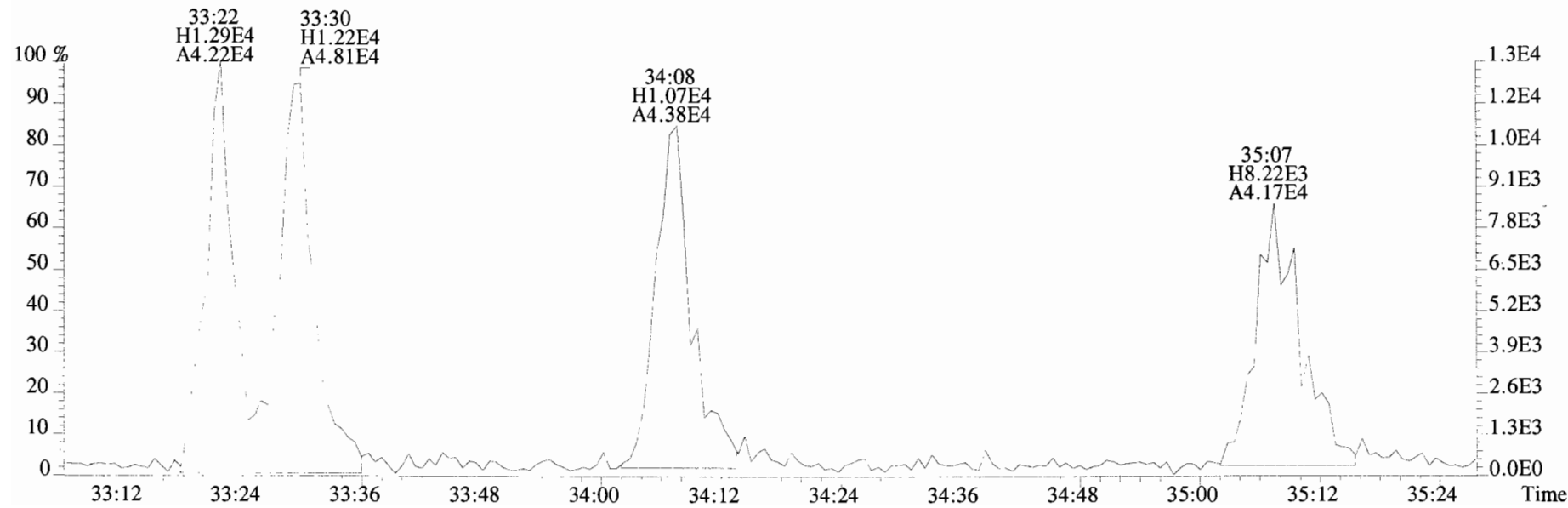
445.7555 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



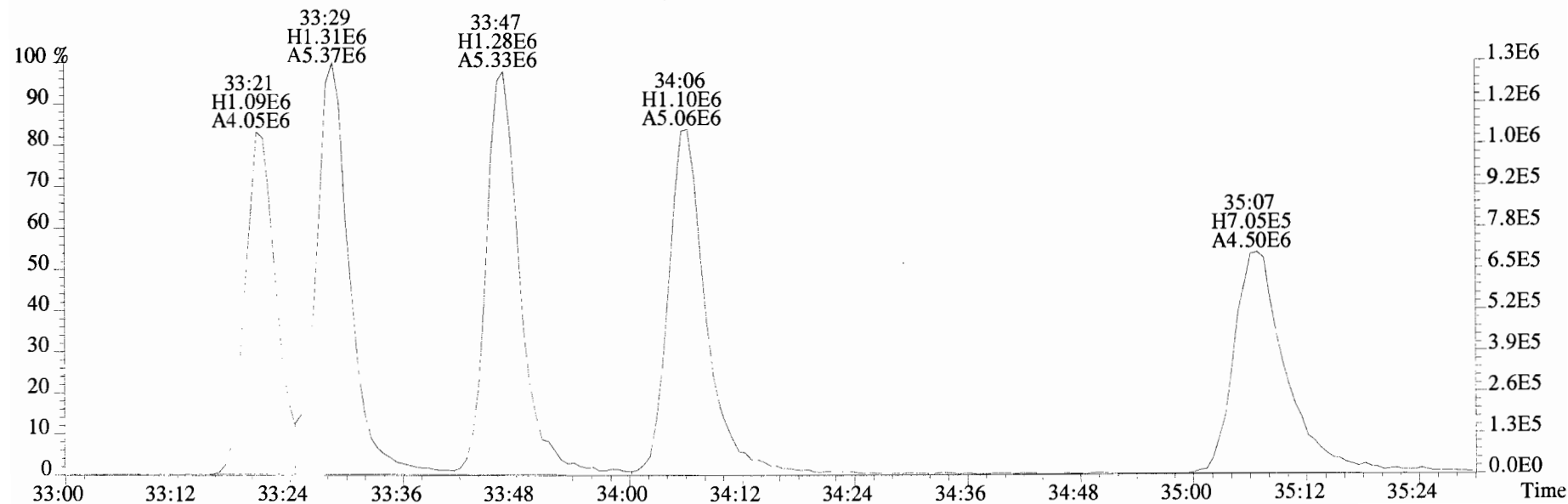
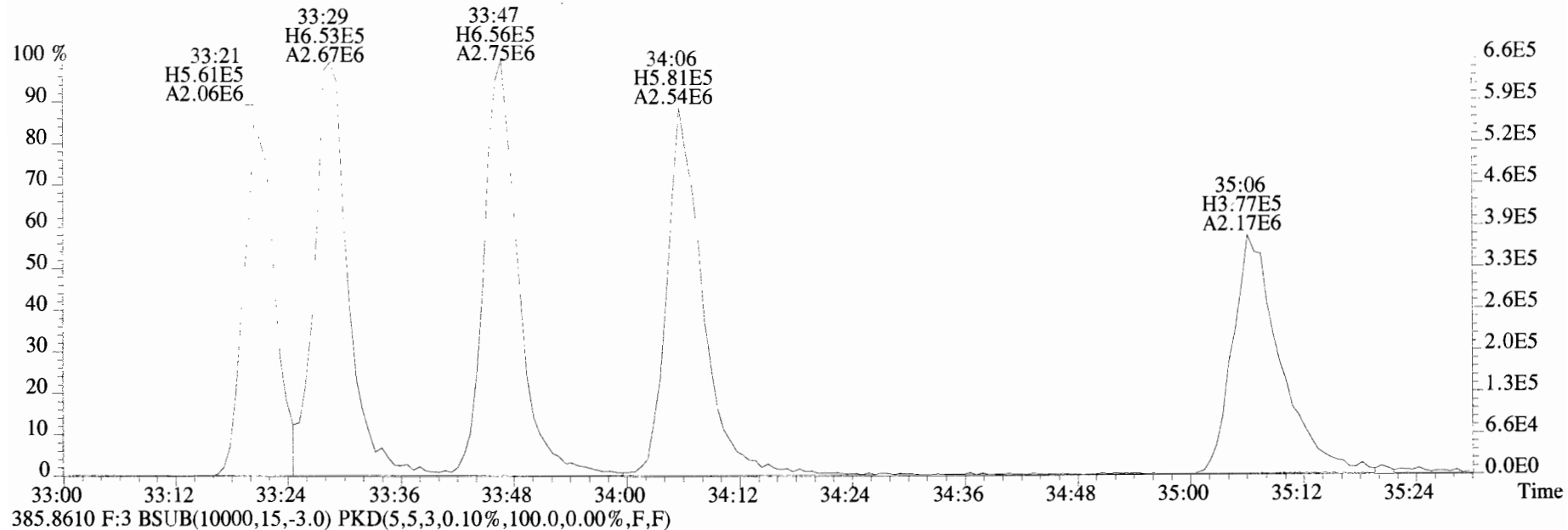
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
373.8207 F:3 BSUB(10000,15,-3.0)



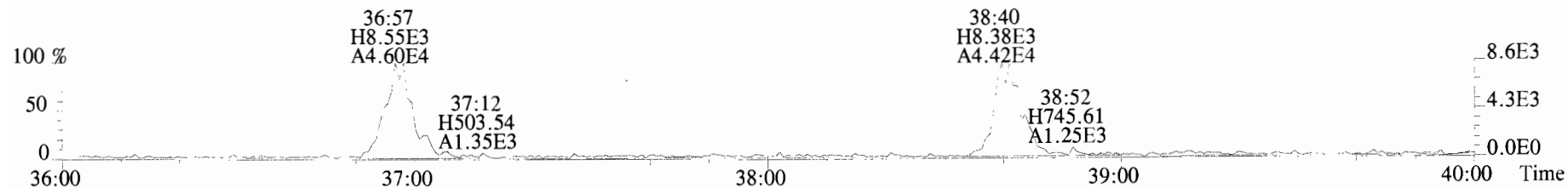
375.8178 F:3 BSUB(10000,15,-3.0)



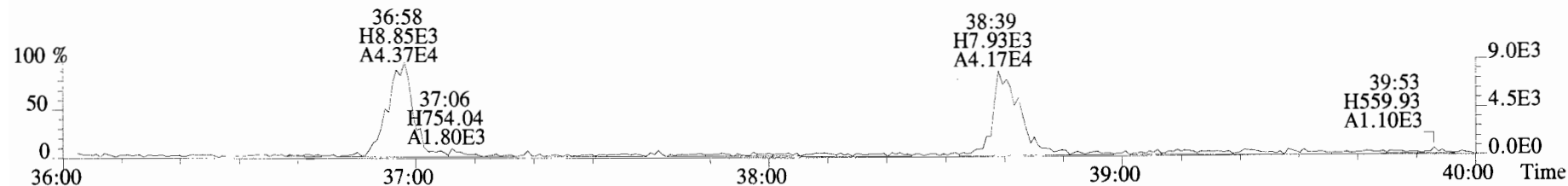
File:191009D1 #1-356 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
383.8639 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



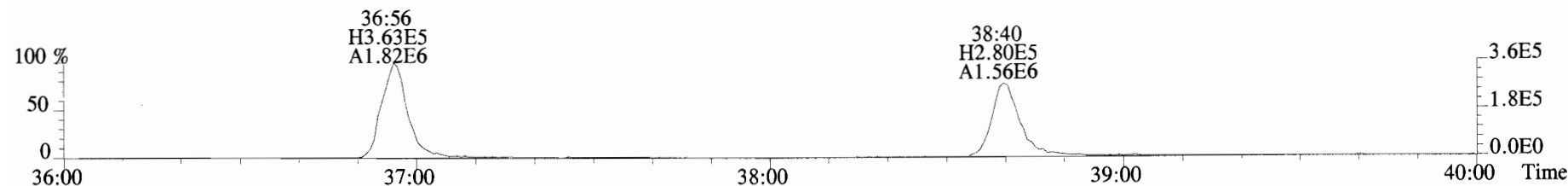
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



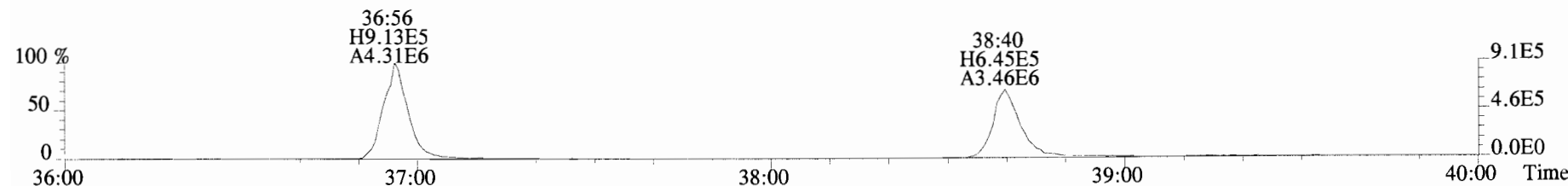
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



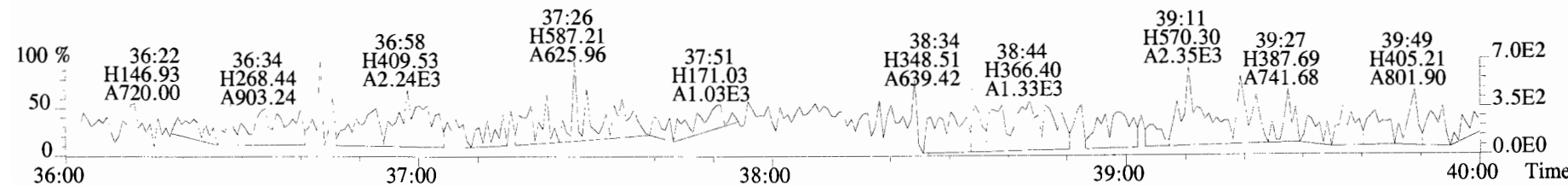
417.8253 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



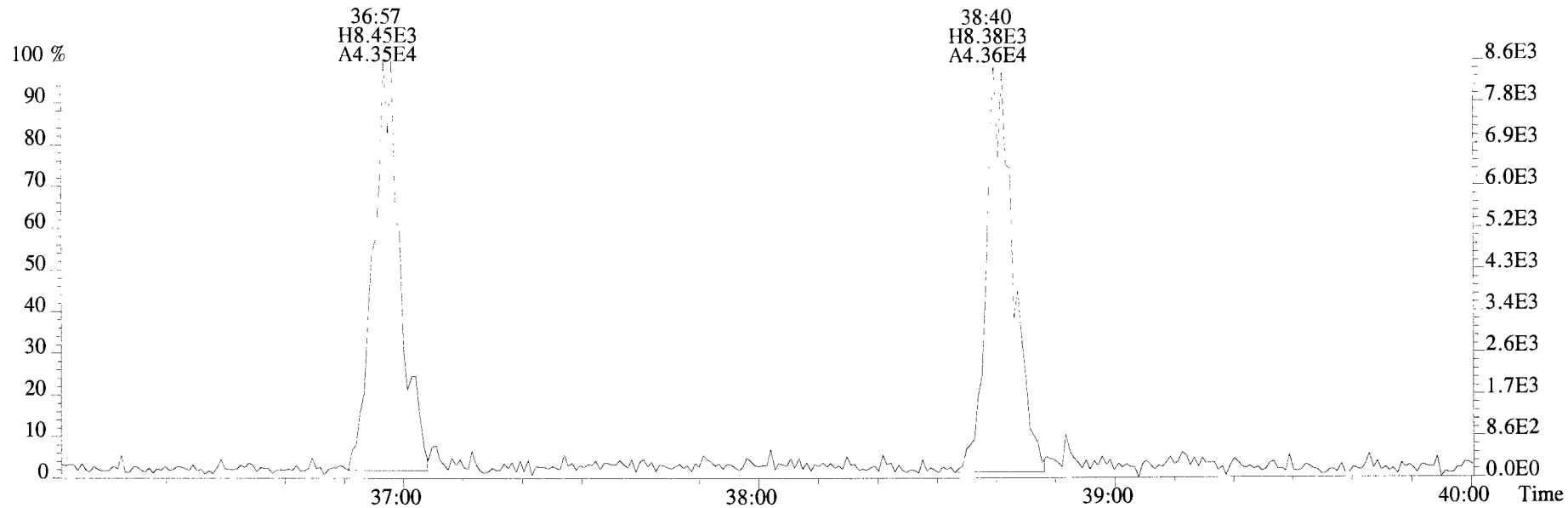
419.8220 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



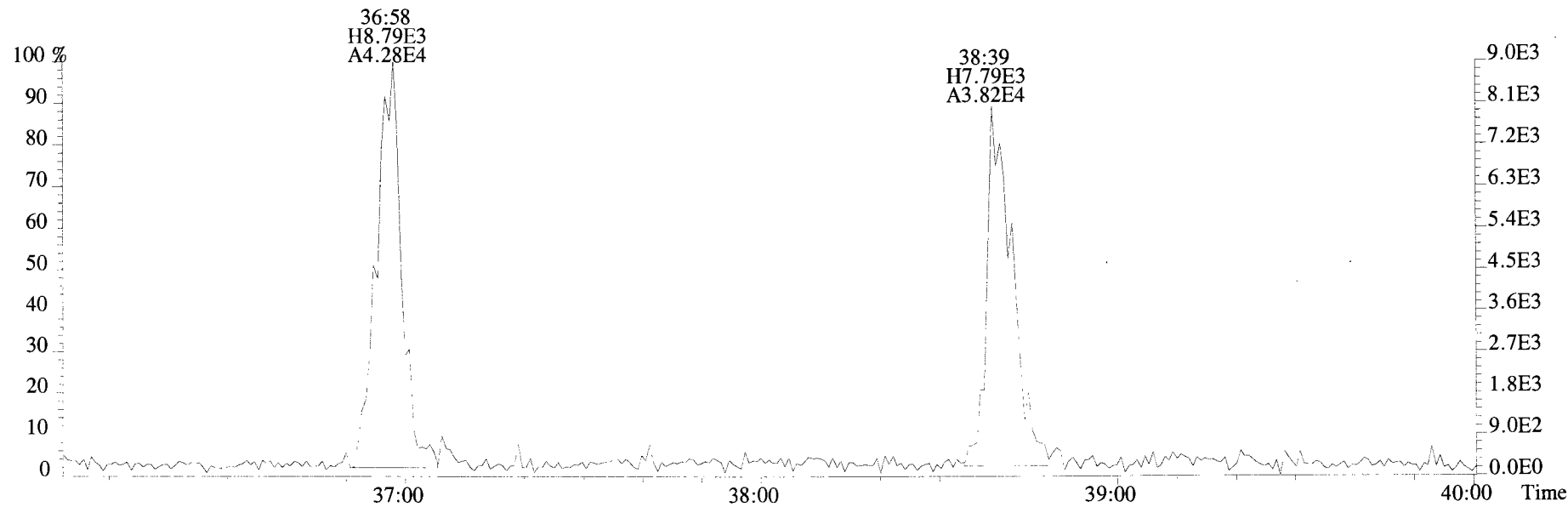
479.7165 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



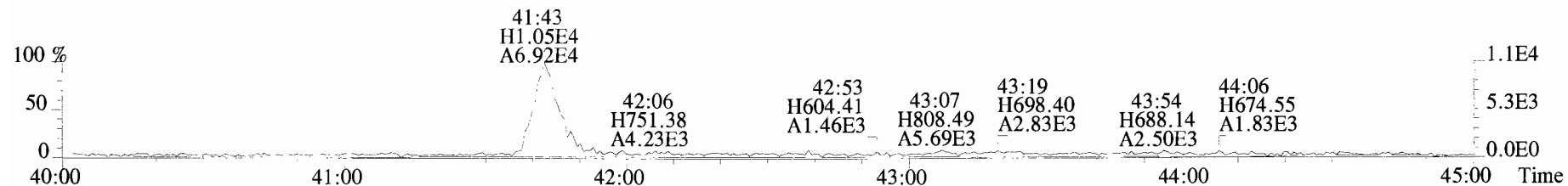
File:191009D1 #1-355 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
407.7818 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



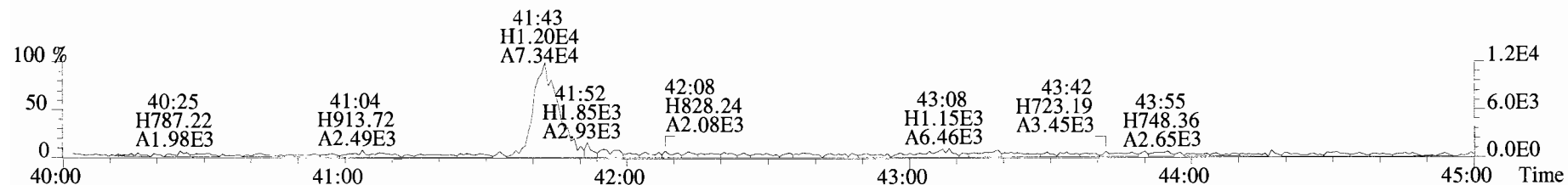
409.7788 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



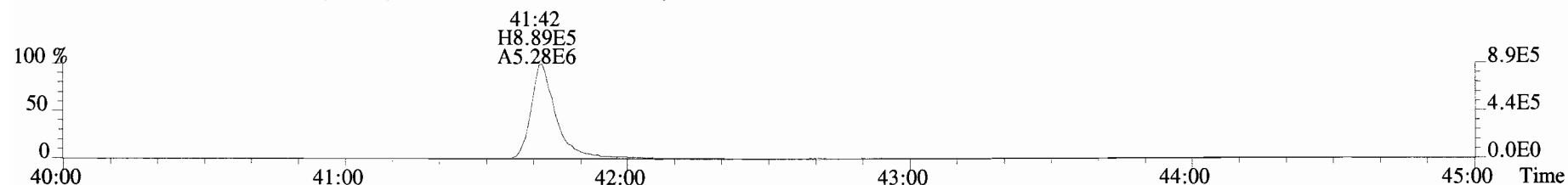
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



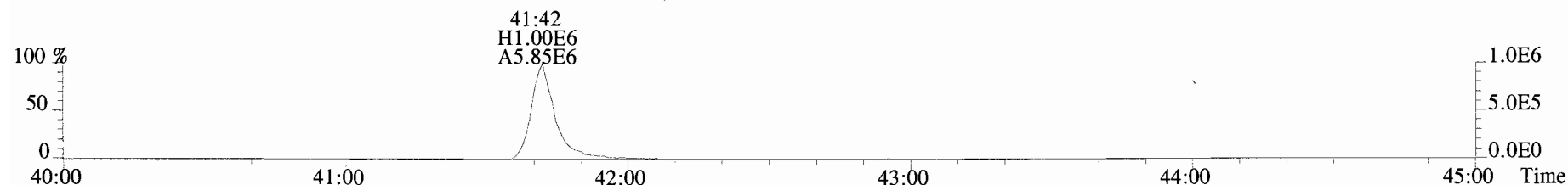
443.7398 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



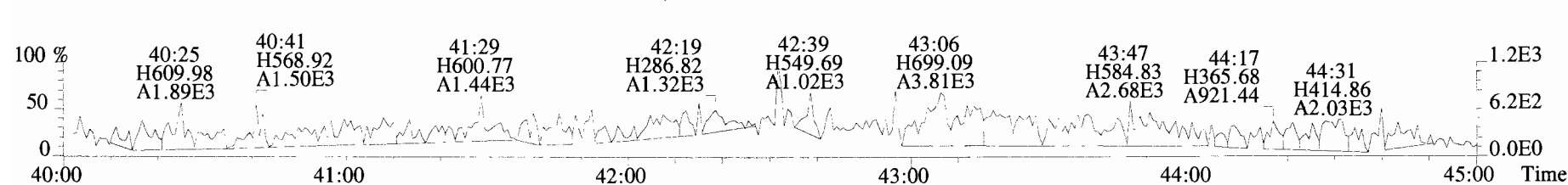
453.7831 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



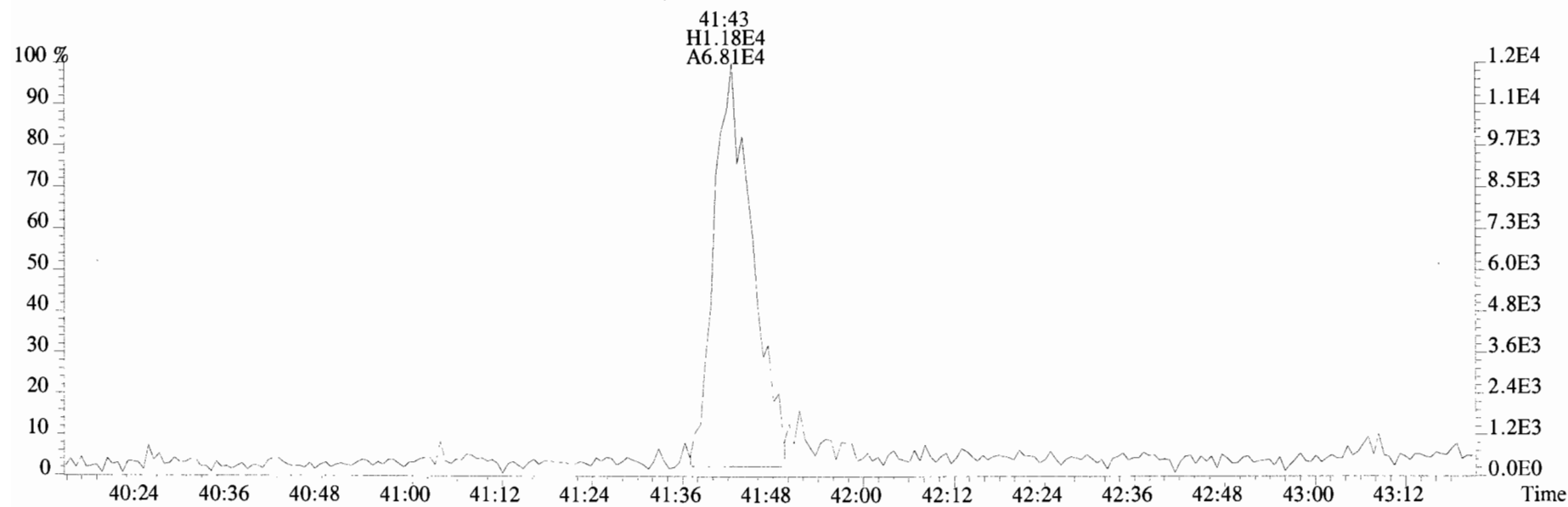
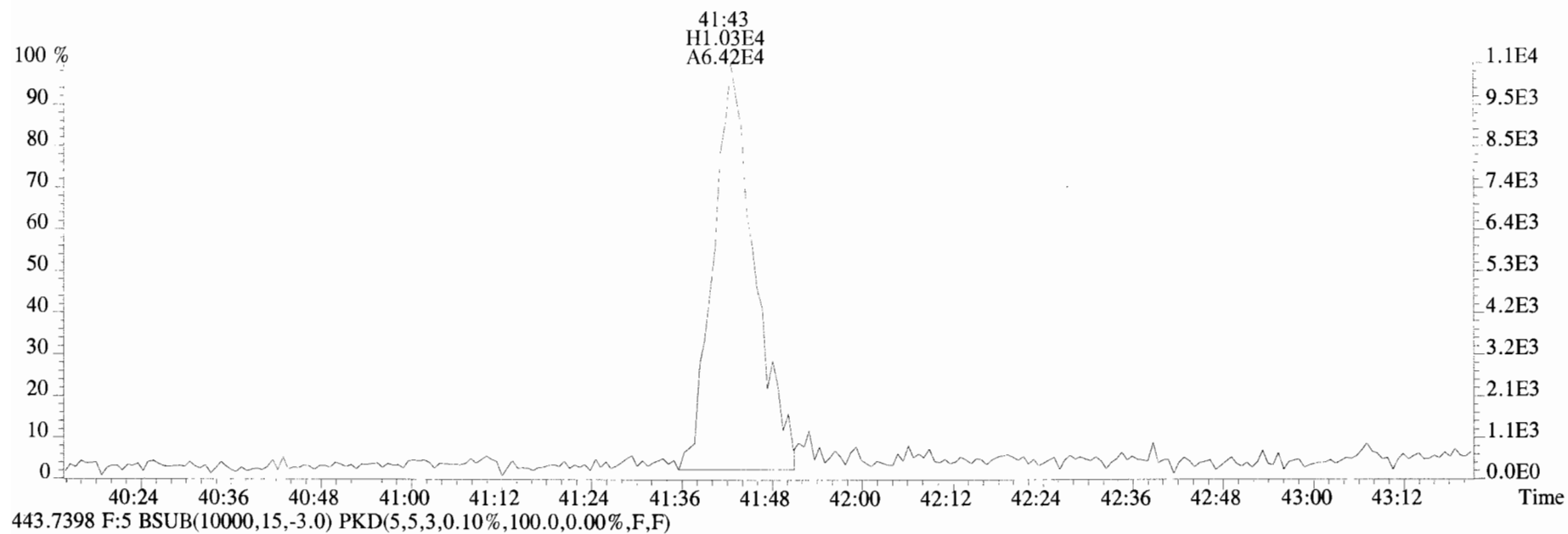
455.7801 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



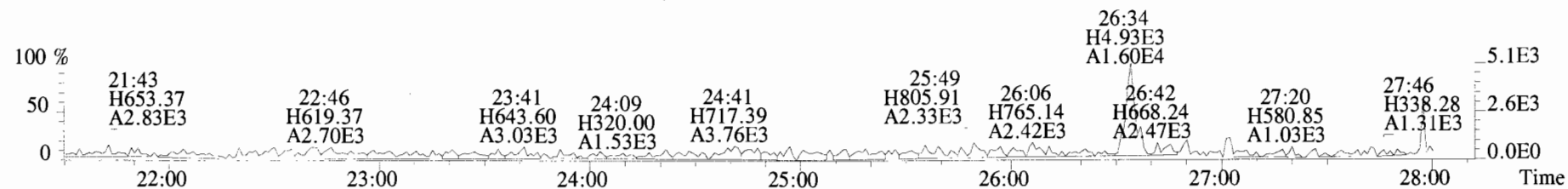
513.6775 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



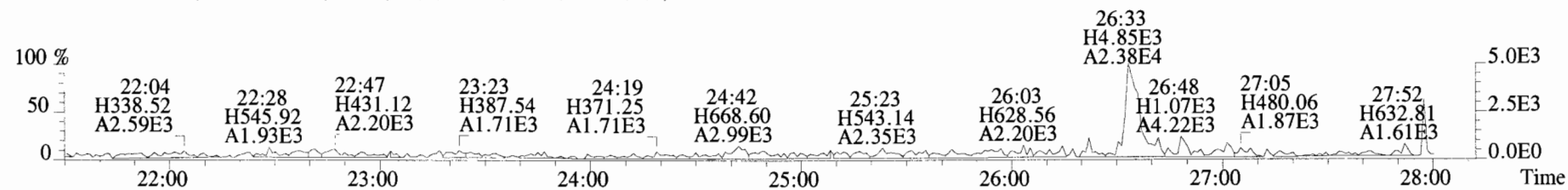
File:191009D1 #1-432 Acq: 9-OCT-2019 16:13:04 GC EI+ Voltage SIR Autospec-UltimaE
Sample#1 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-1 1613 CS0 19C2201 Exp:OCDD_DB5
441.7428 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



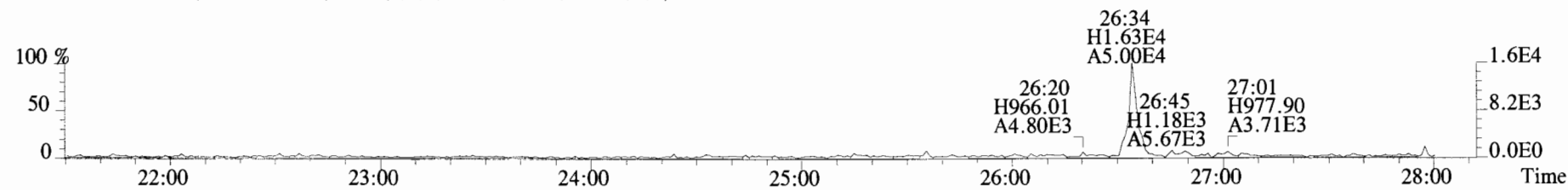
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



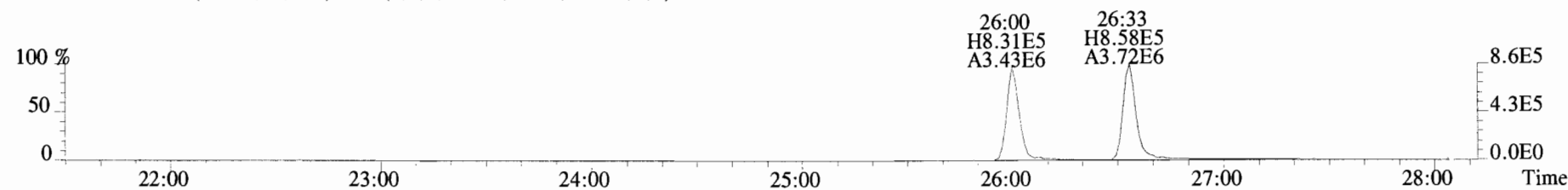
321.8936 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



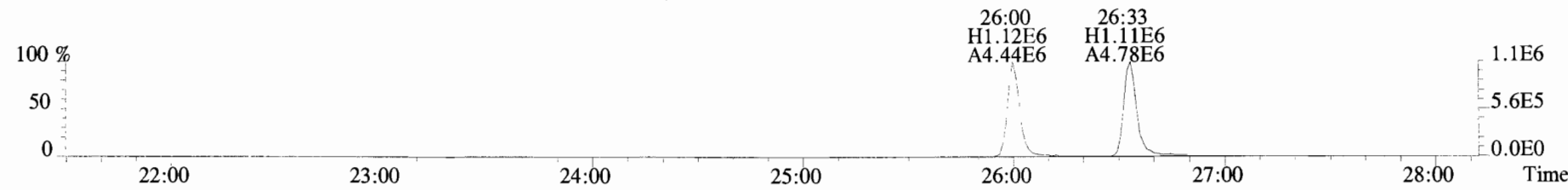
327.8847 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



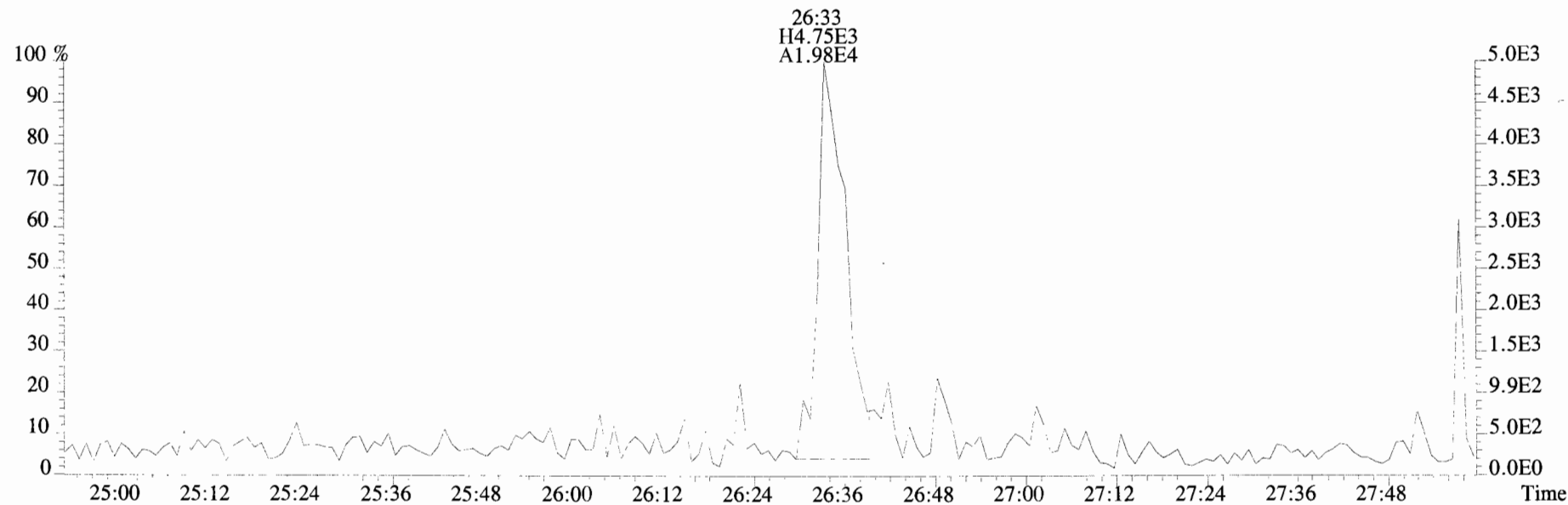
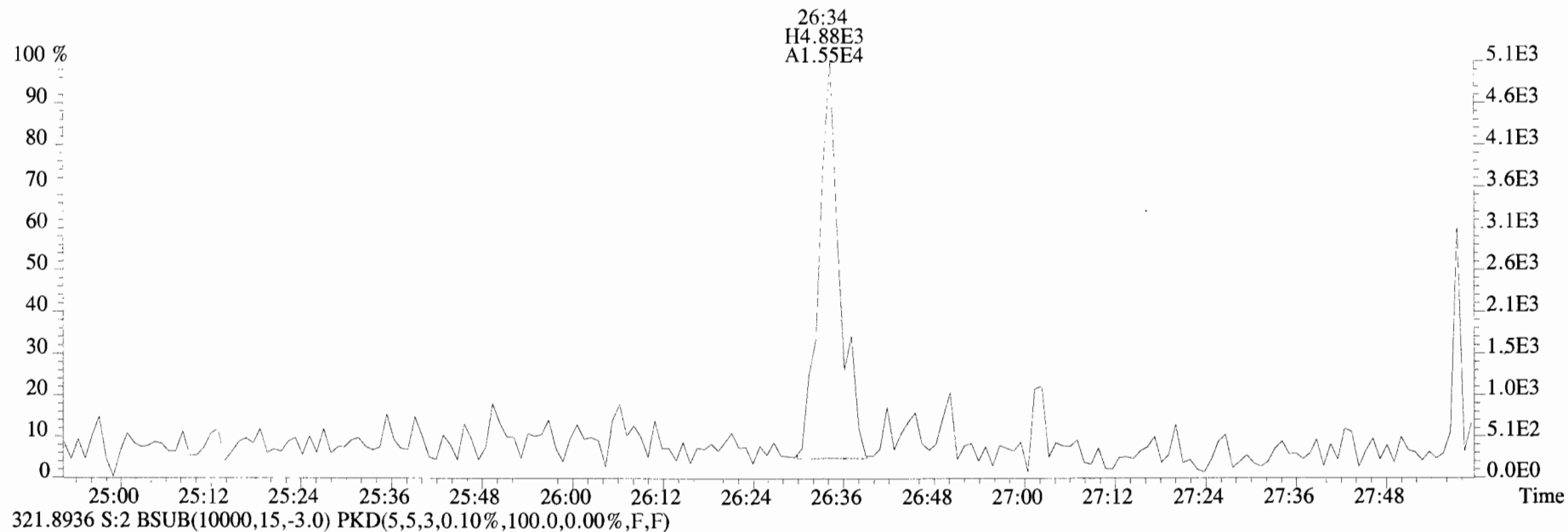
331.9368 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



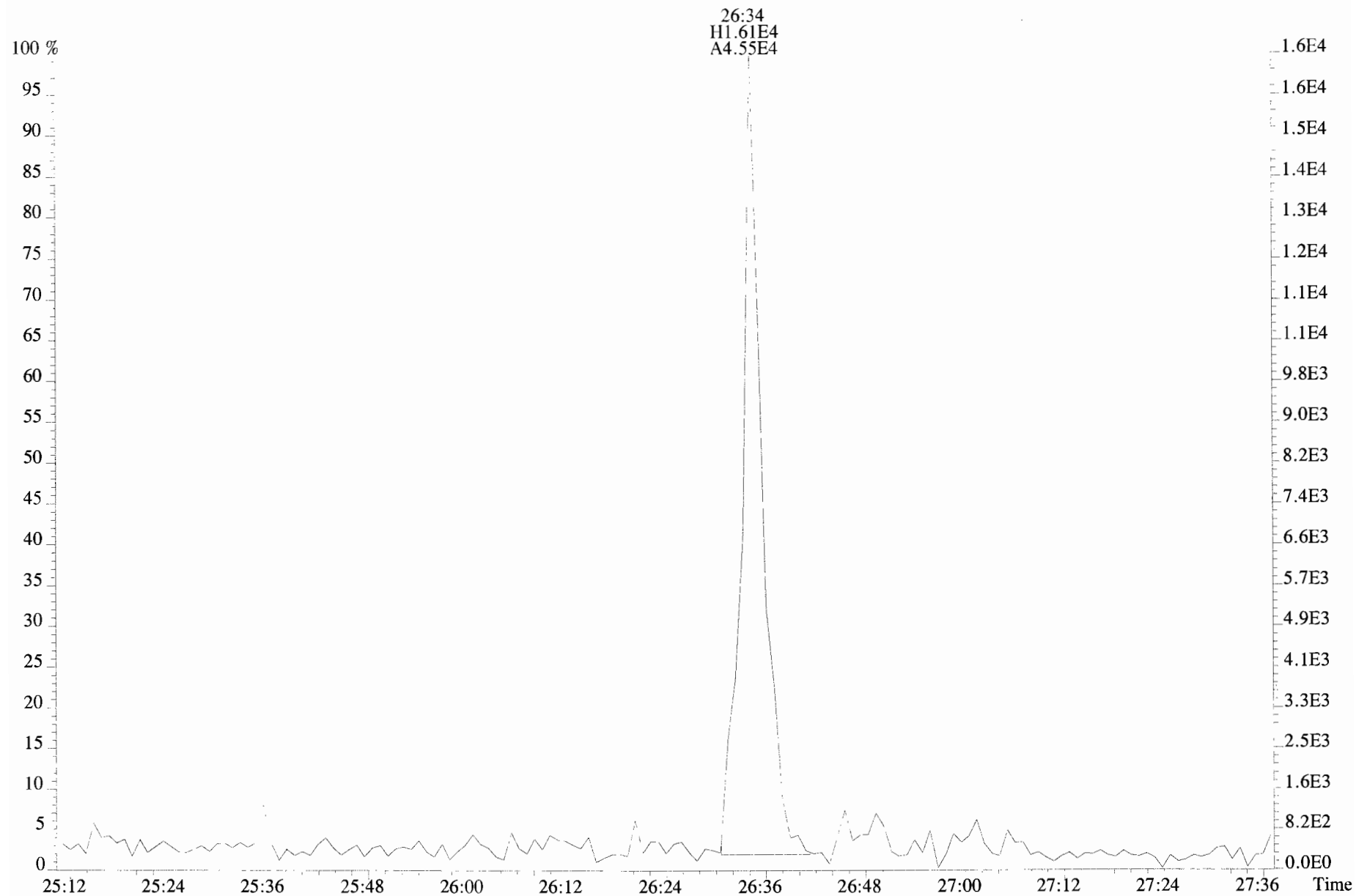
333.9339 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



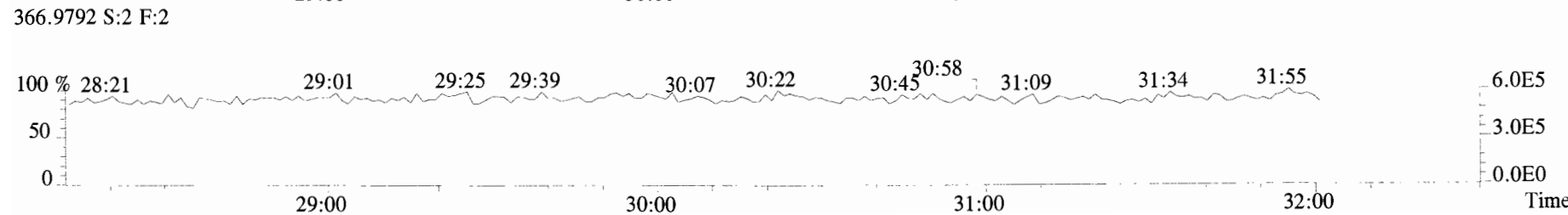
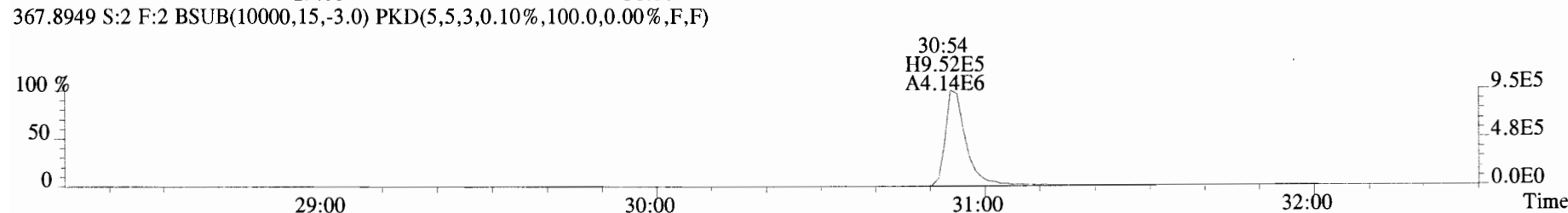
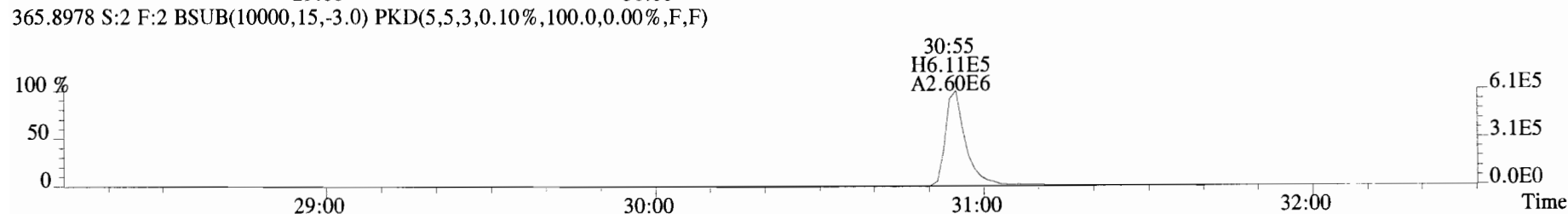
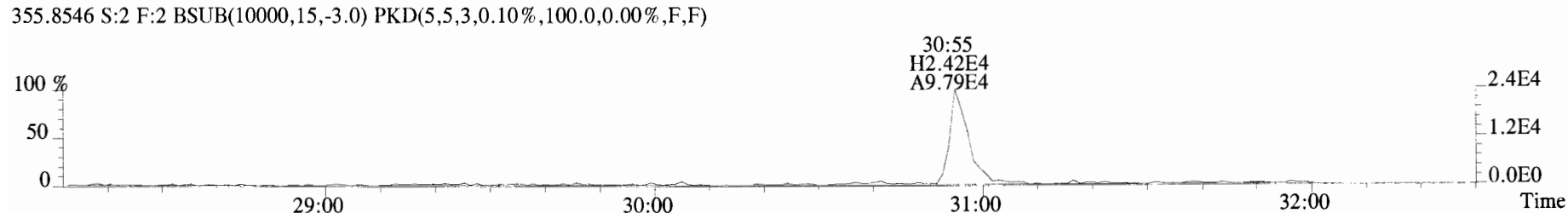
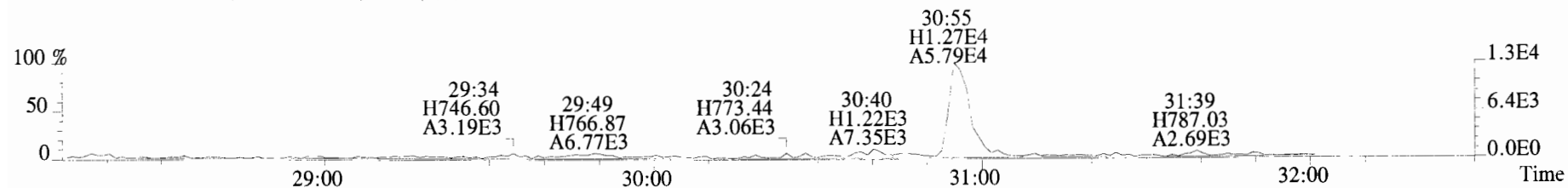
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
319.8965 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



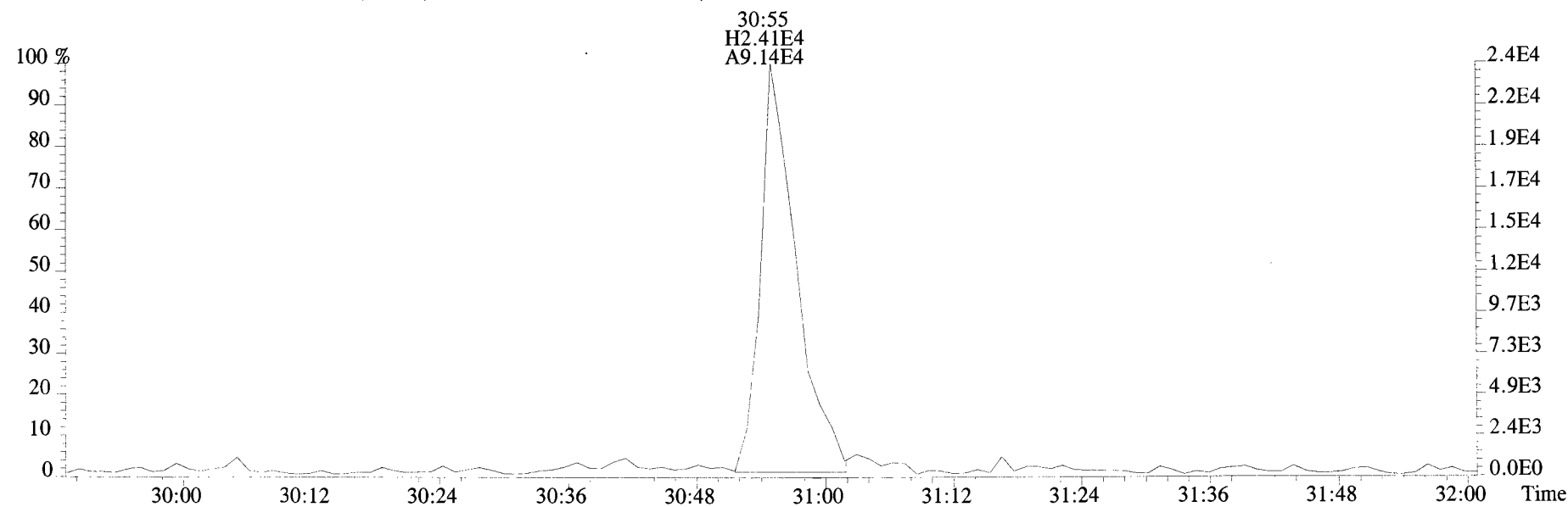
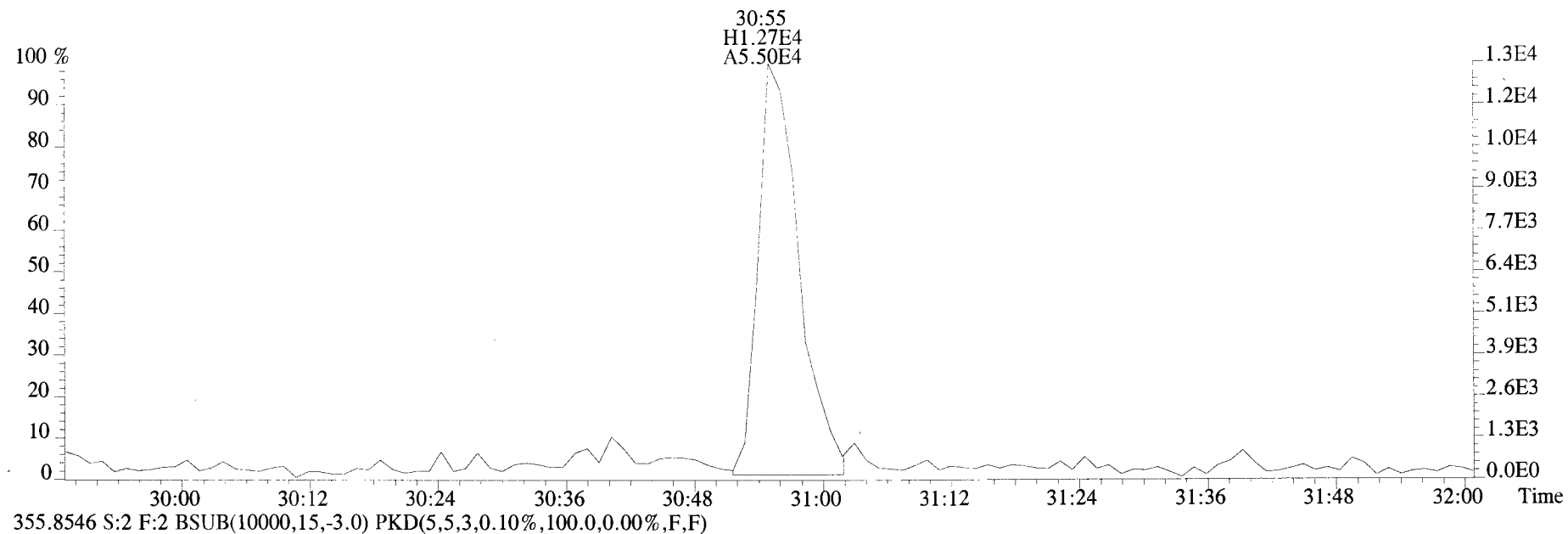
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
327.8847 S:2 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



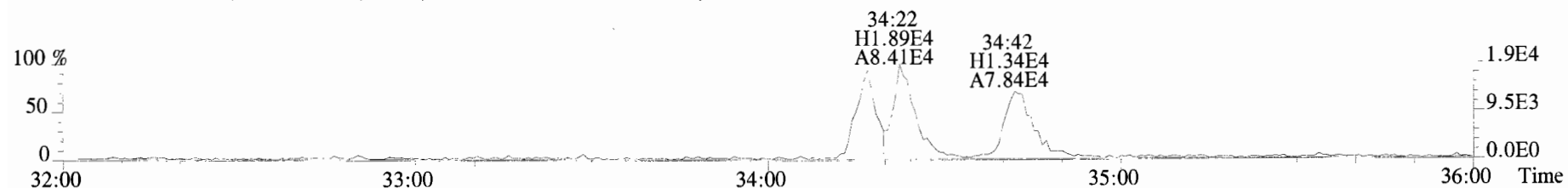
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



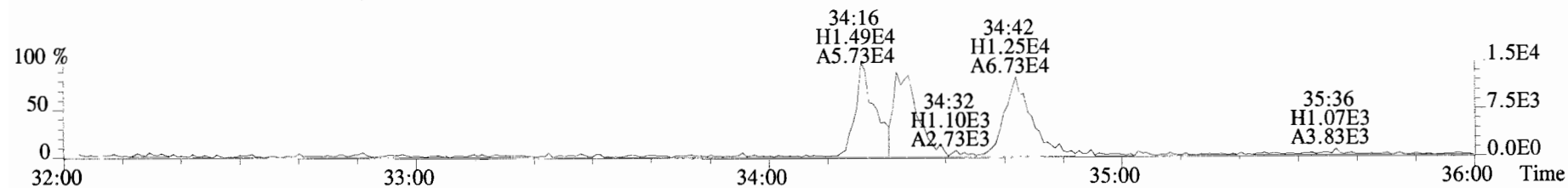
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
353.8576 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



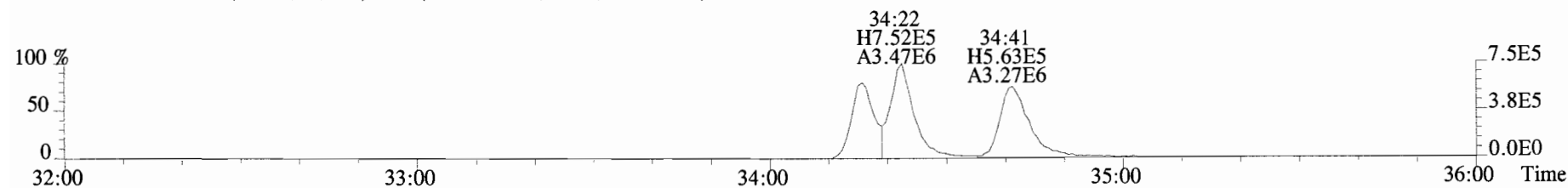
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



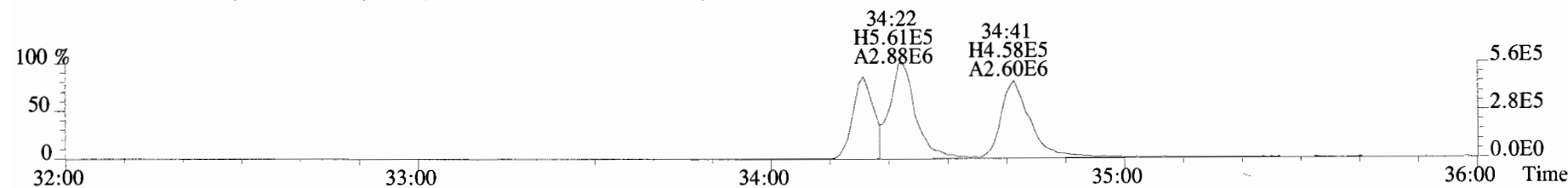
391.8127 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



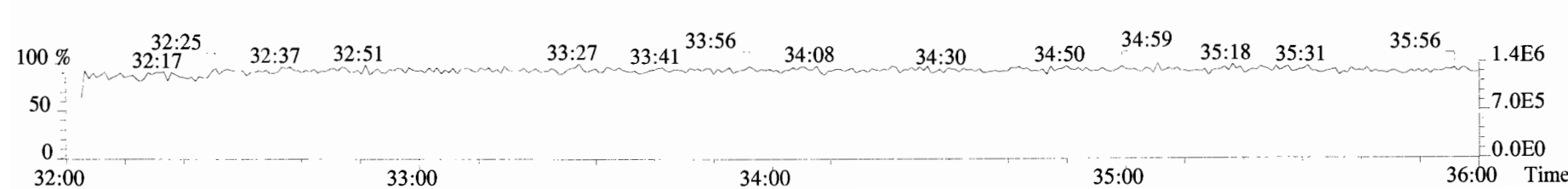
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



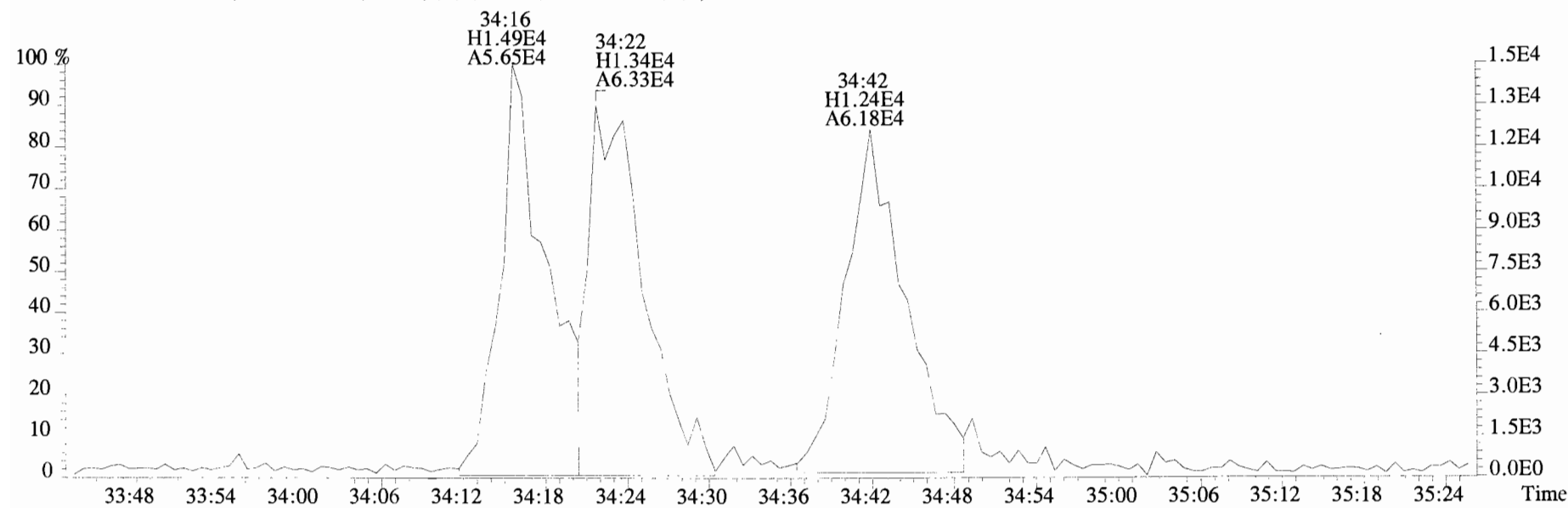
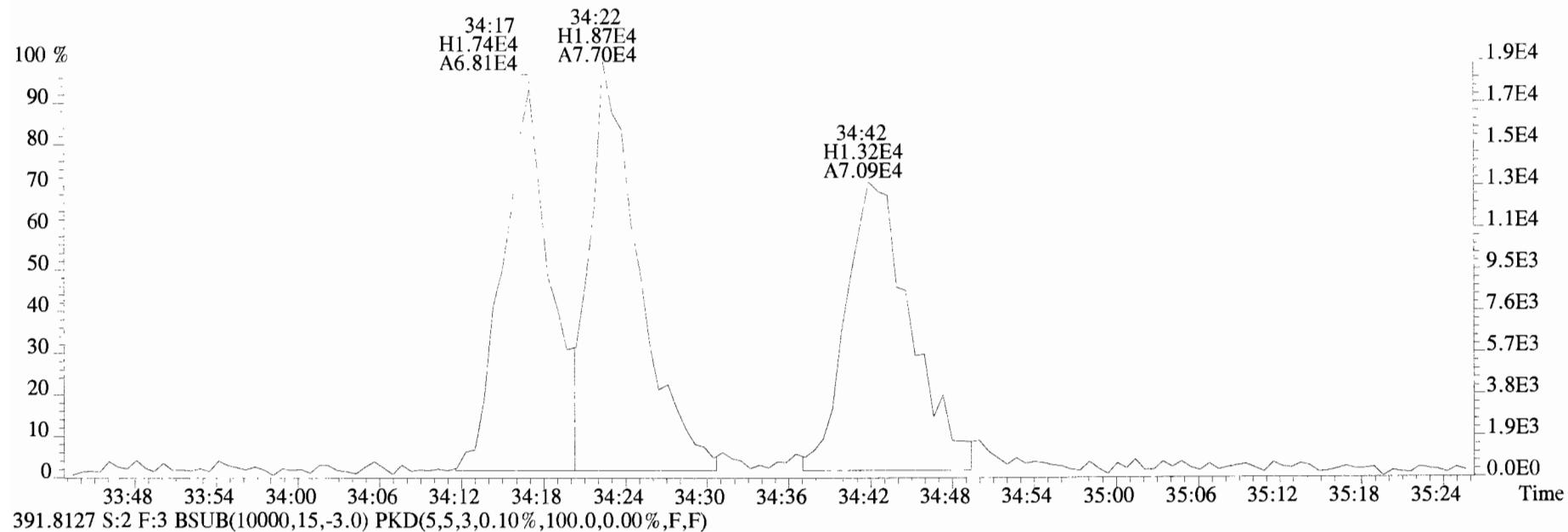
403.8530 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



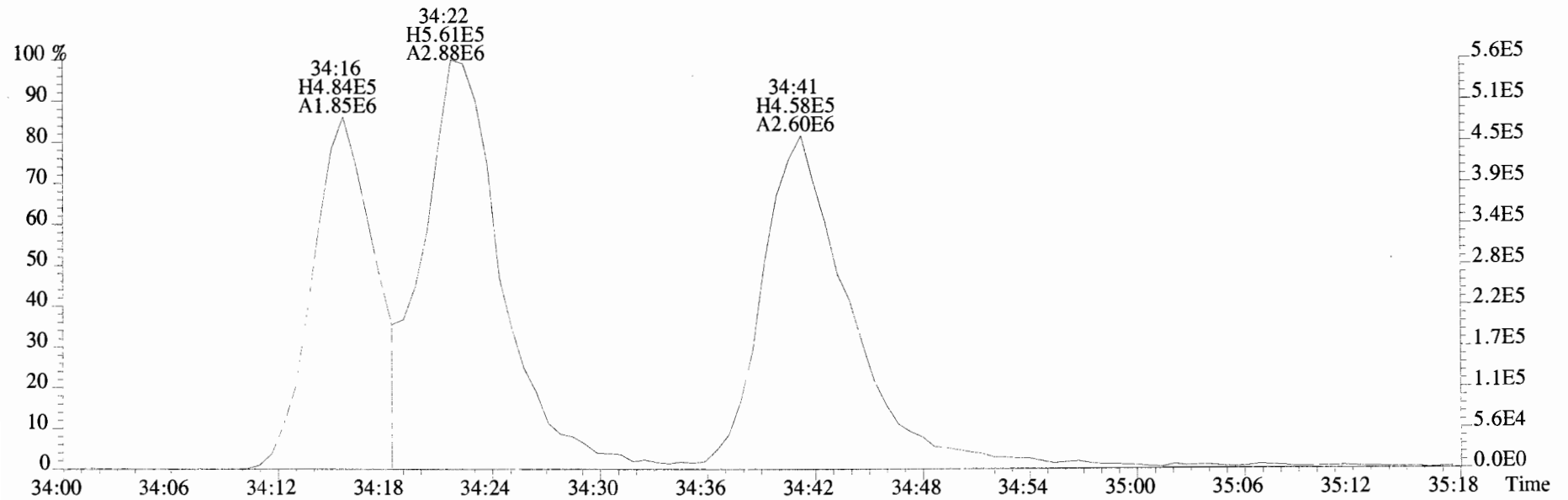
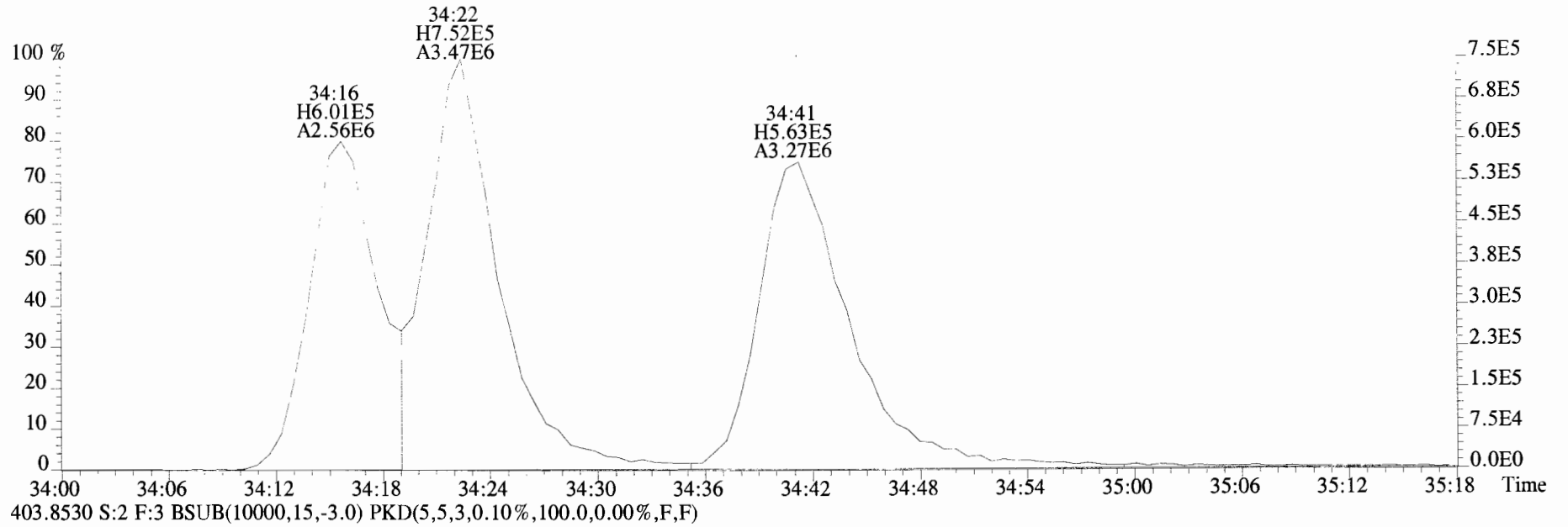
392.9760 S:2 F:3



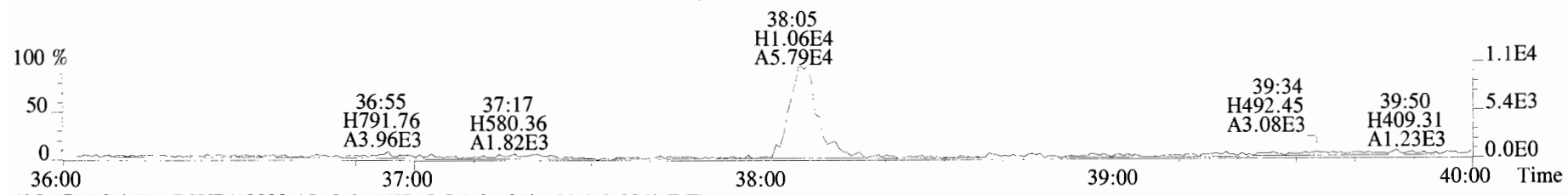
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
389.8156 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



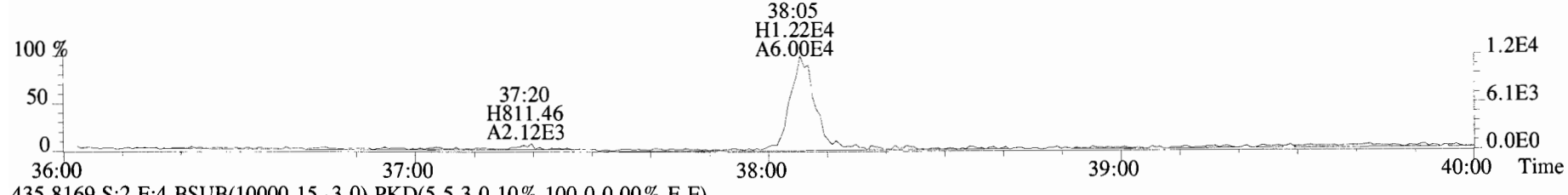
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
401.8559 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



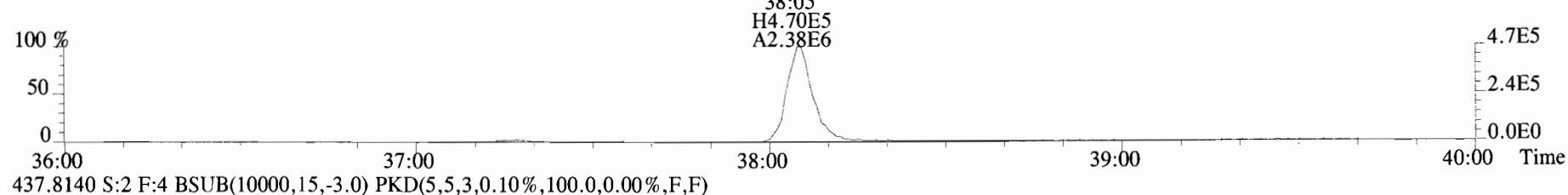
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
423.7767 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



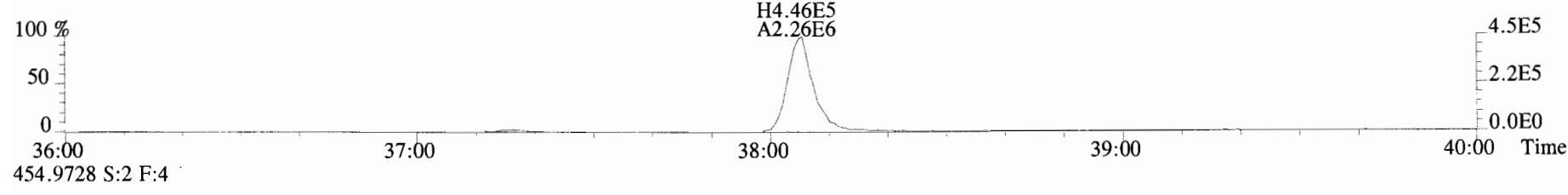
425.7737 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



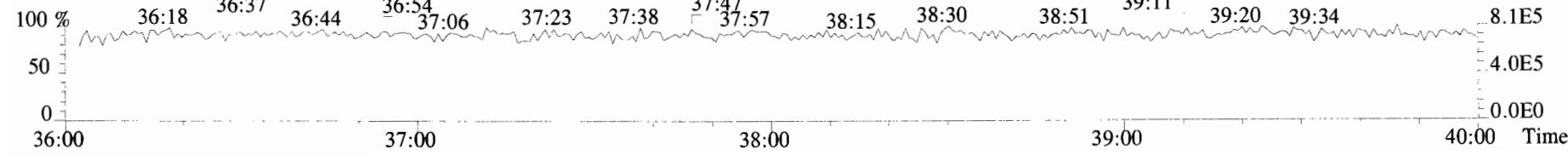
435.8169 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



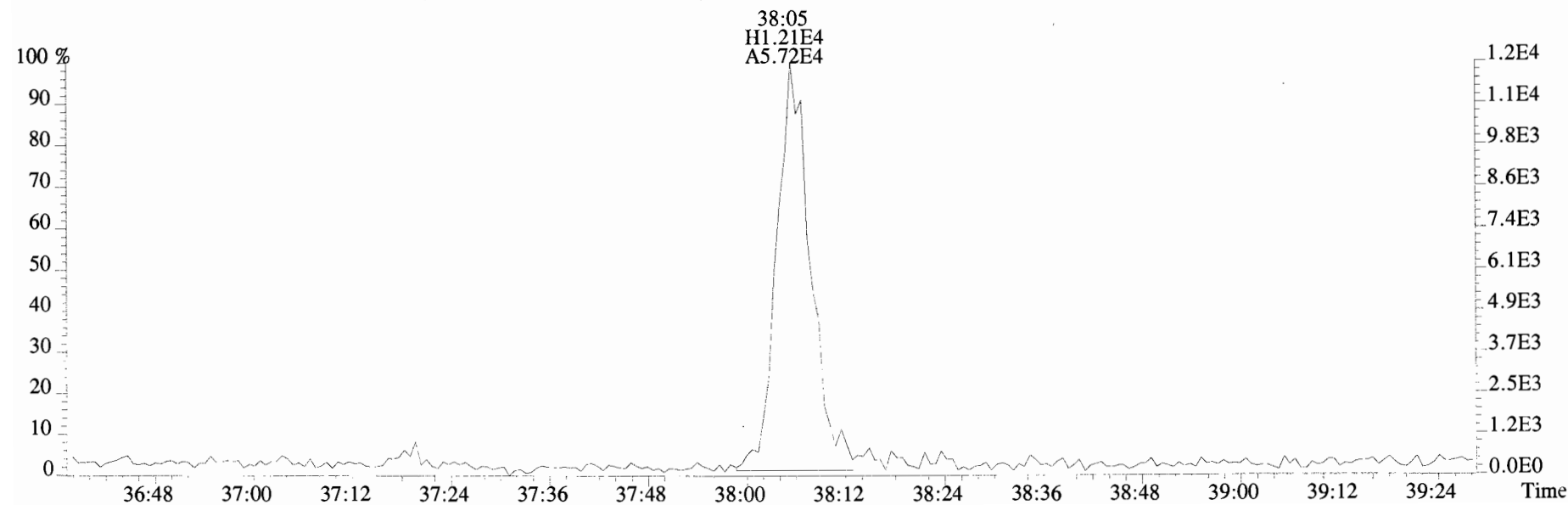
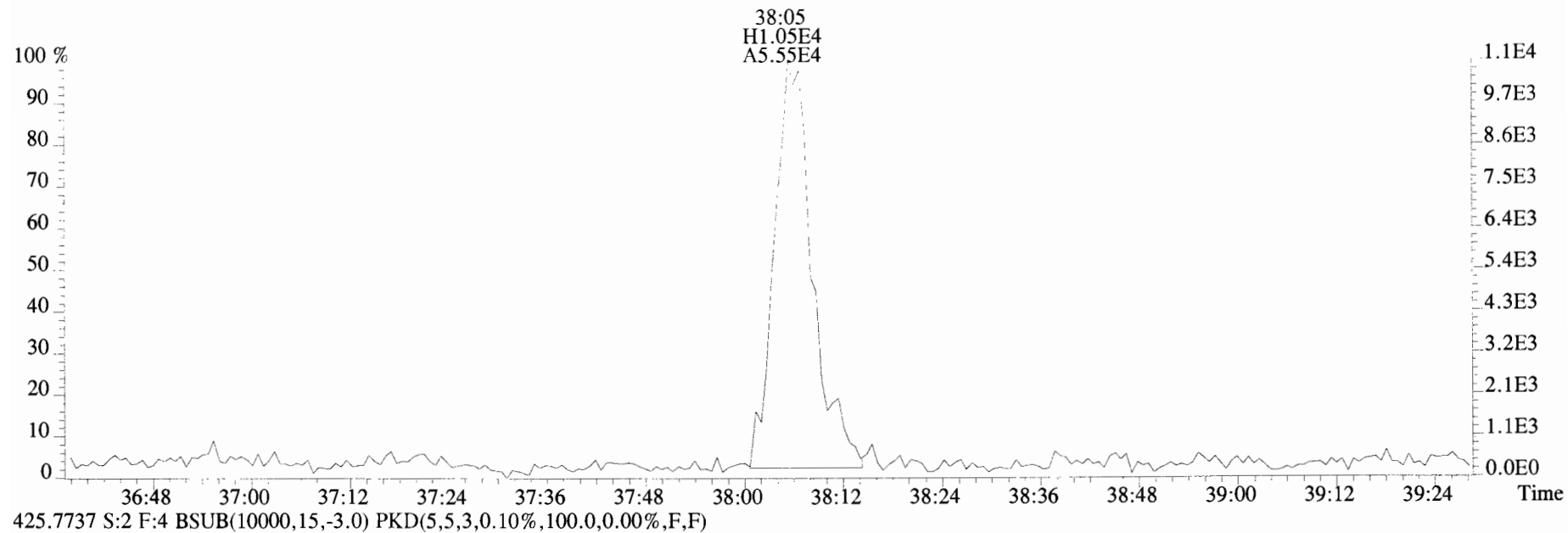
437.8140 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



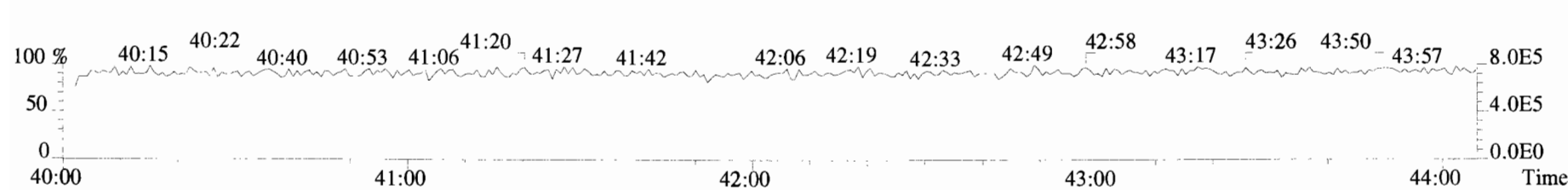
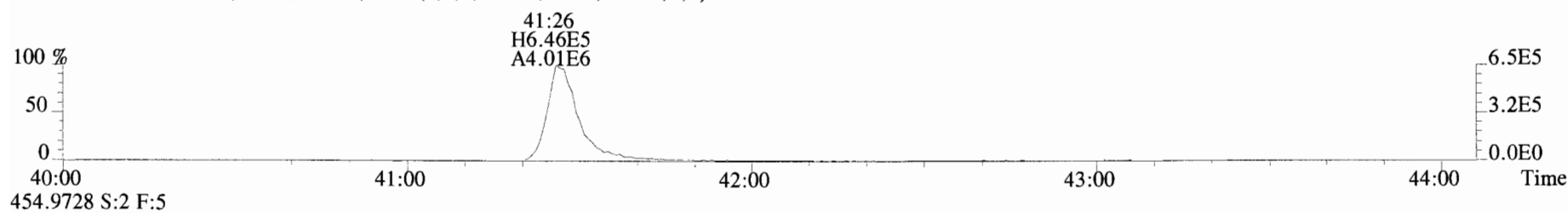
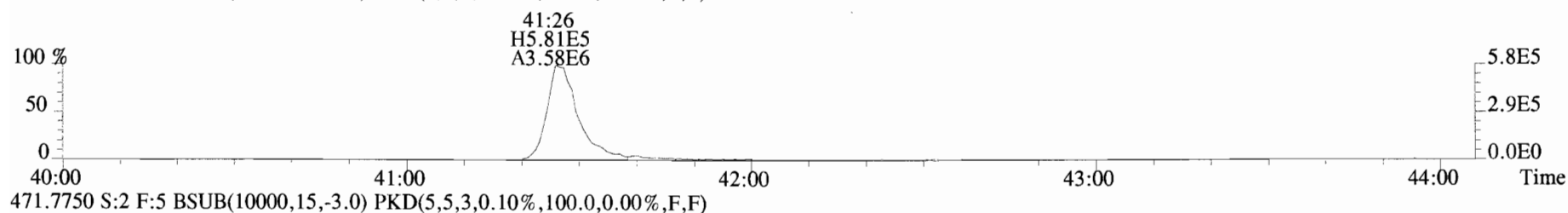
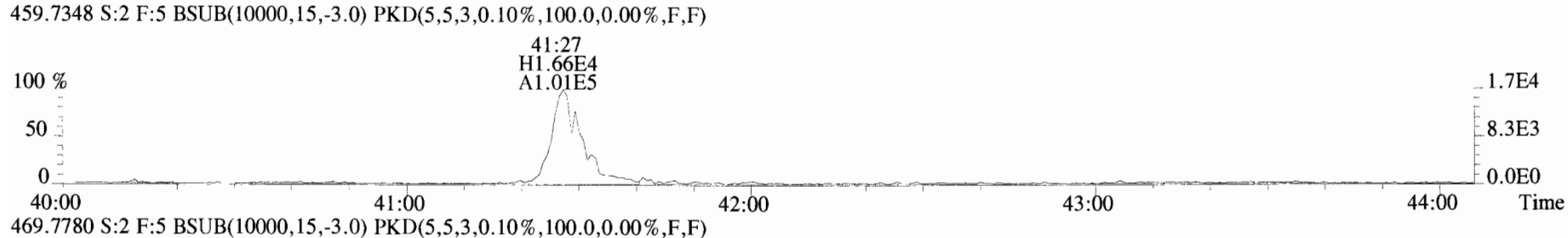
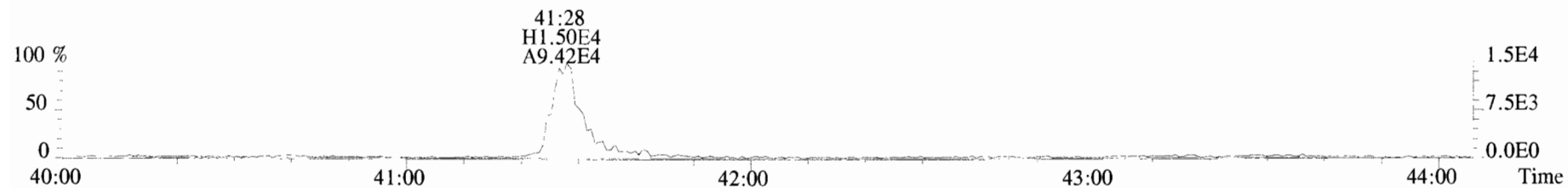
454.9728 S:2 F:4



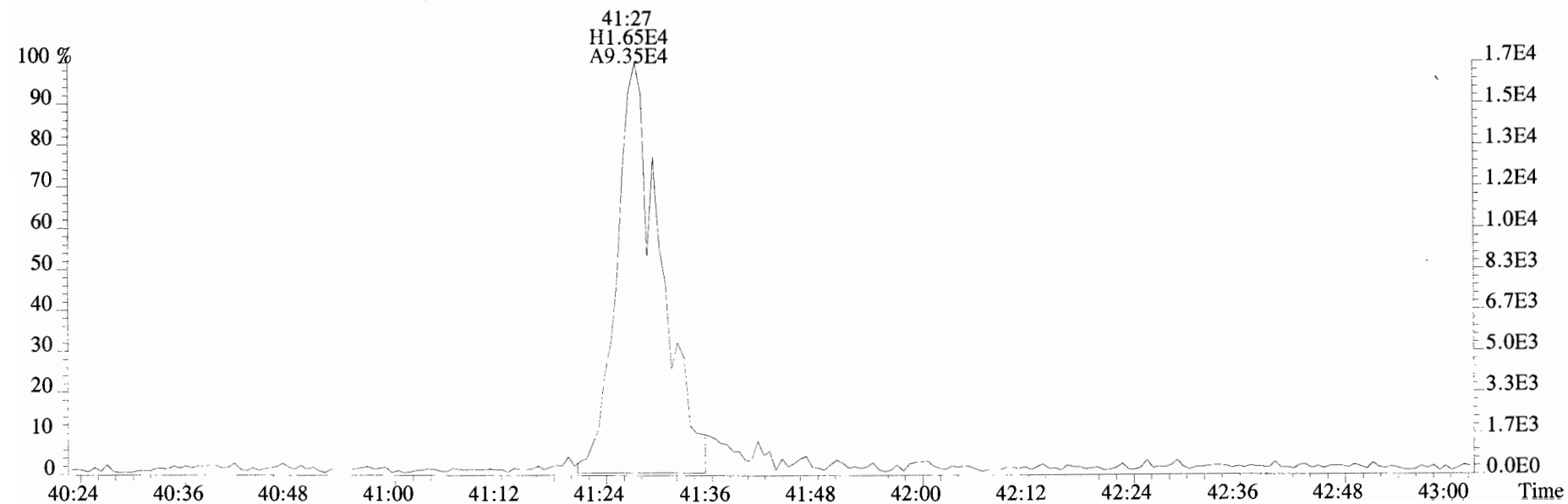
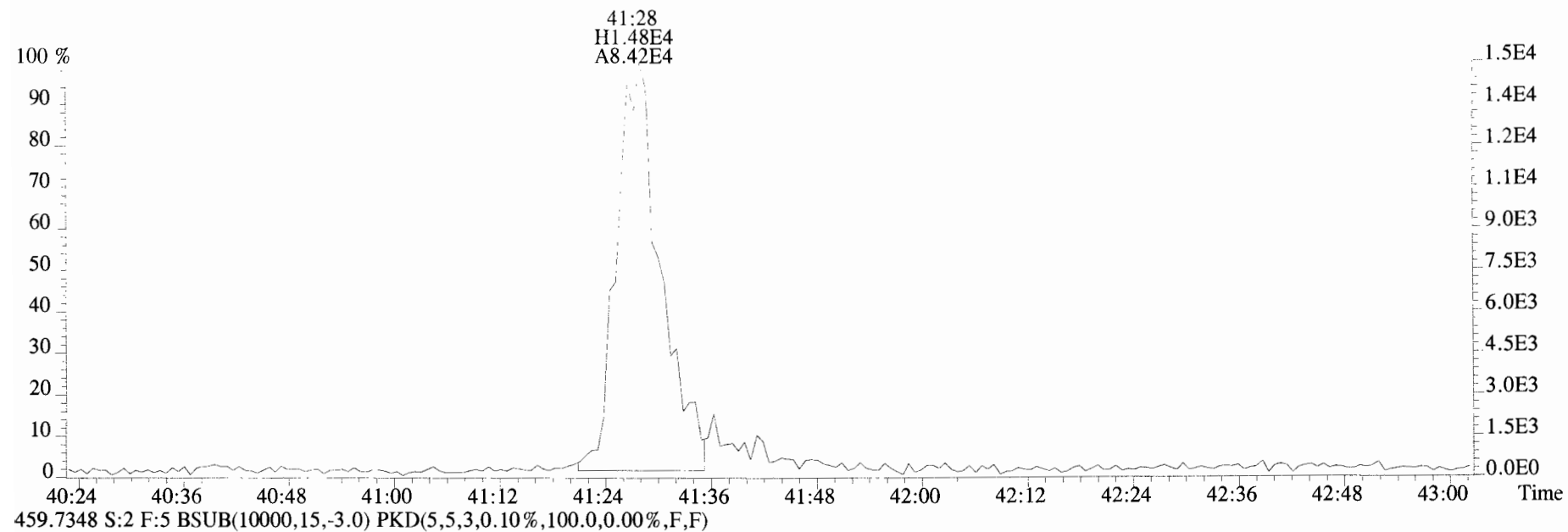
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
423.7767 S:2 F:4 BSub(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



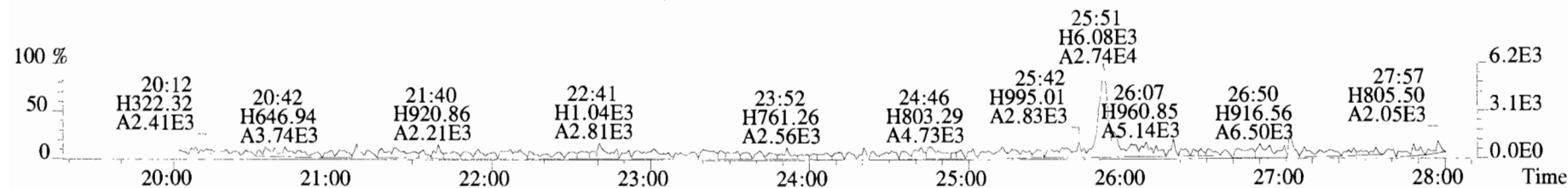
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



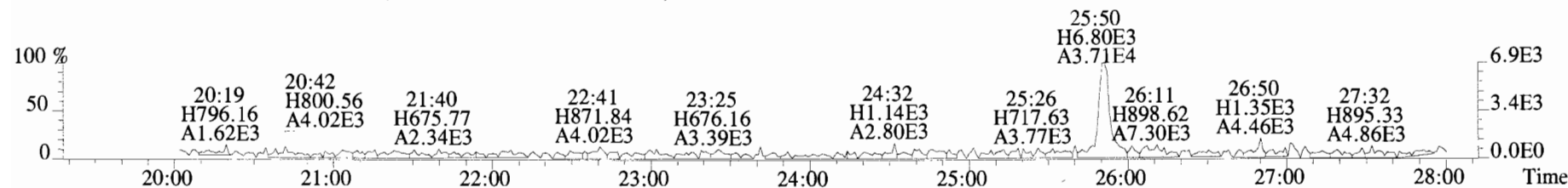
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
457.7377 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



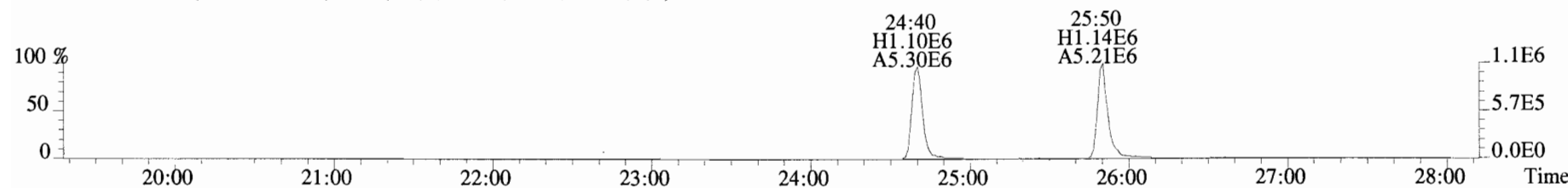
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



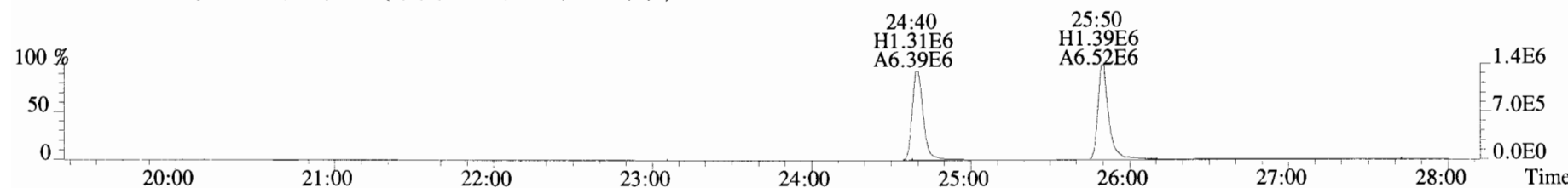
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



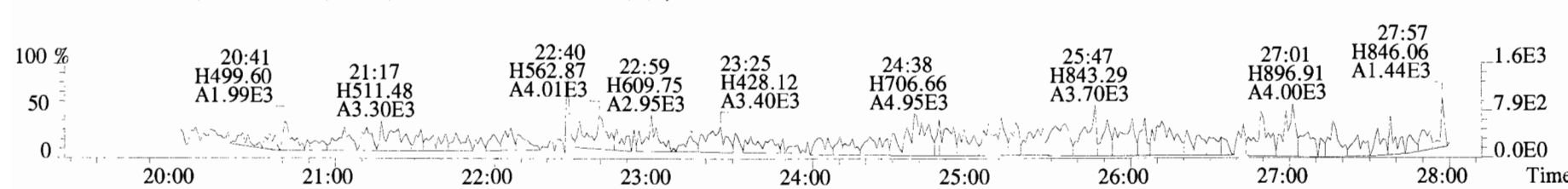
315.9419 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



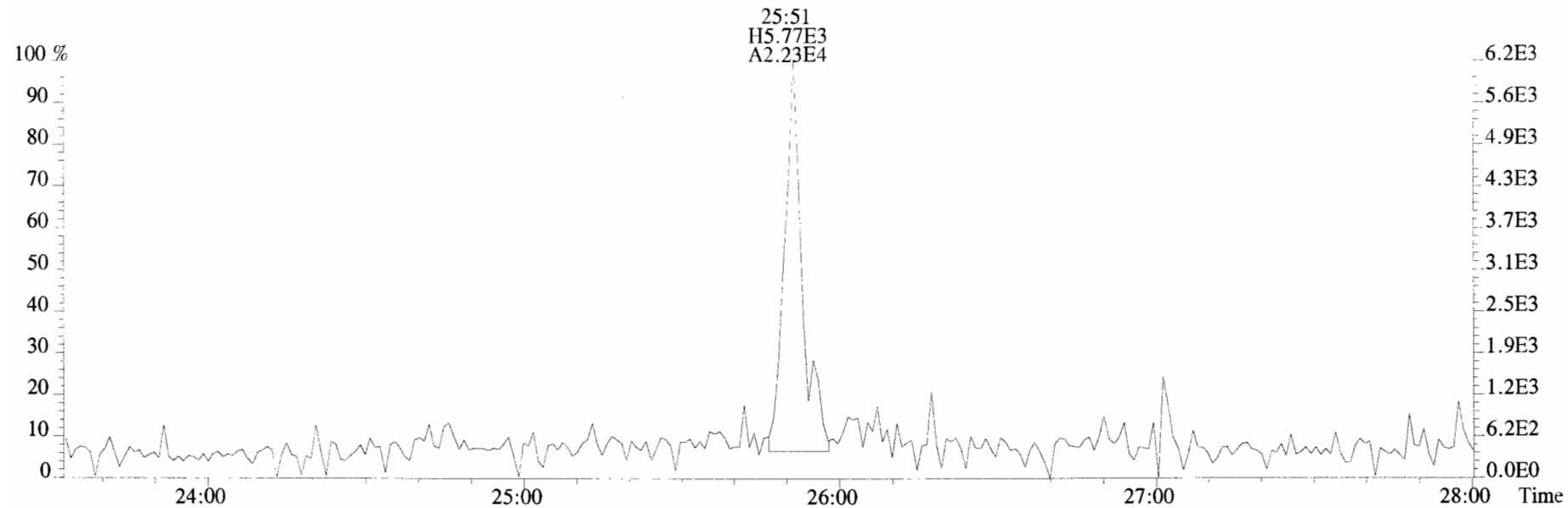
317.9389 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



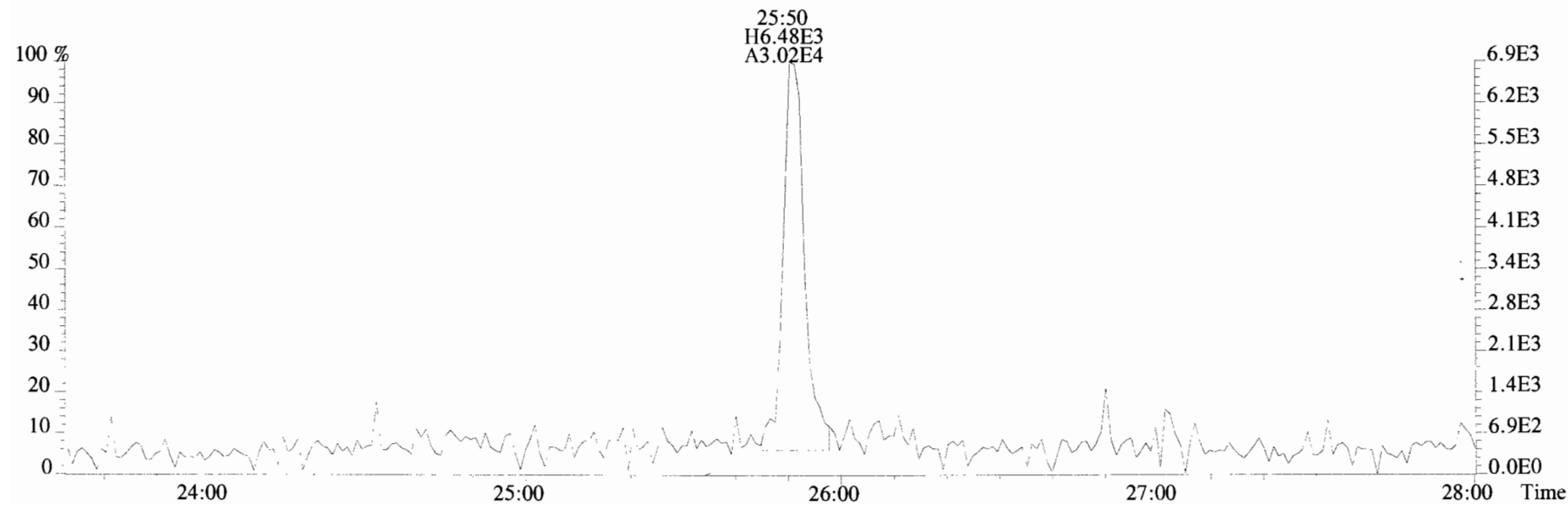
375.8364 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



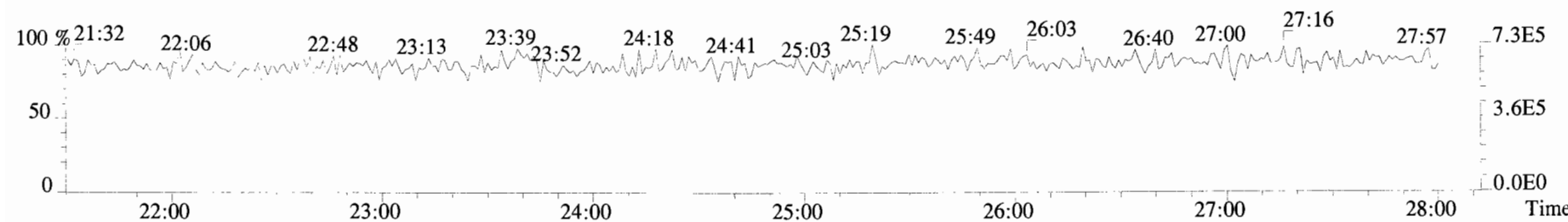
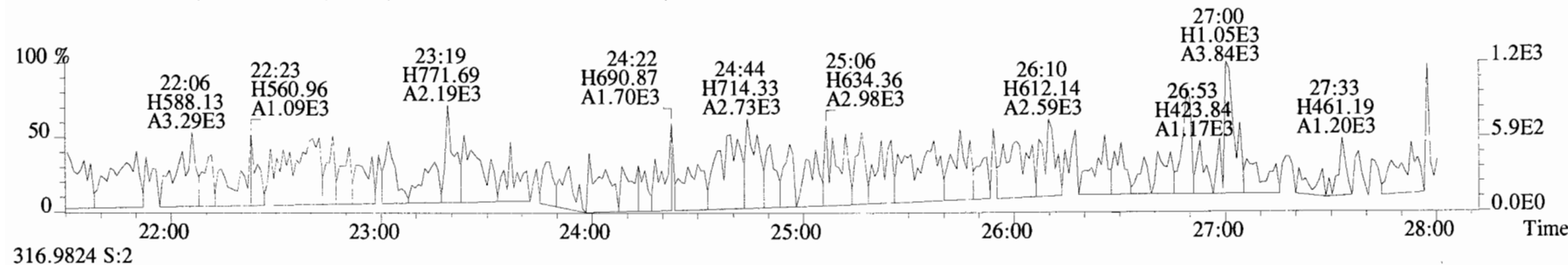
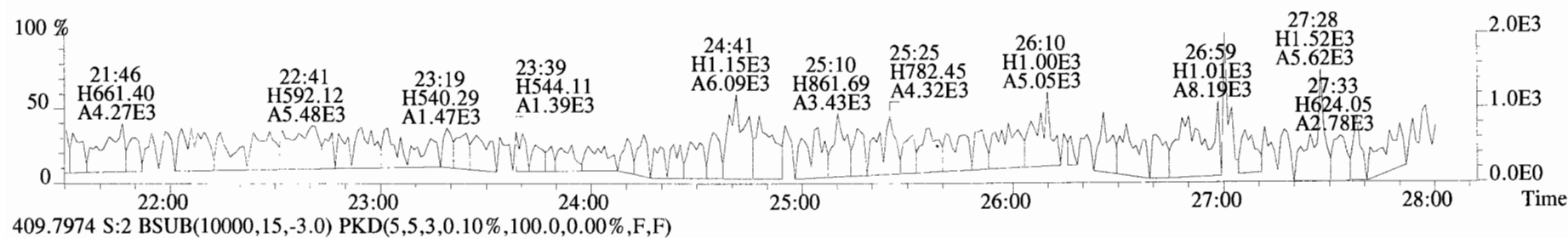
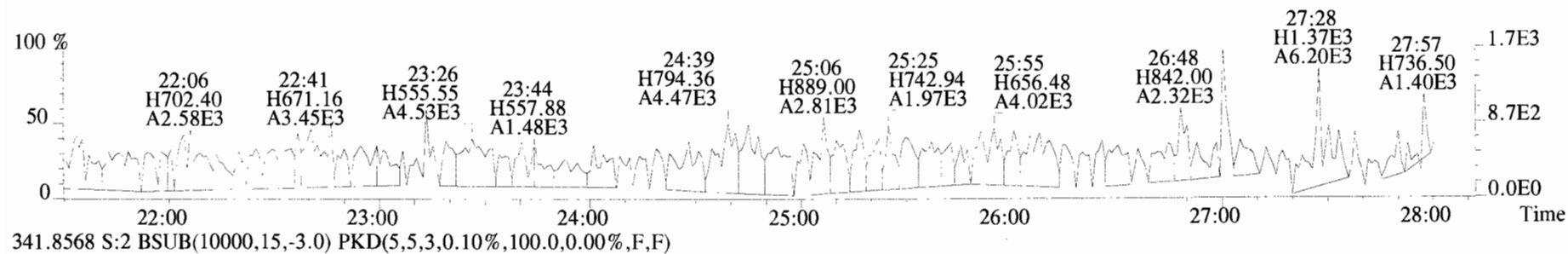
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
303.9016 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



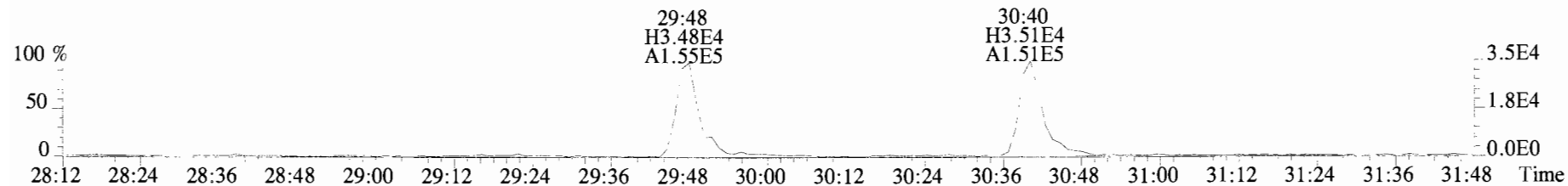
305.8987 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



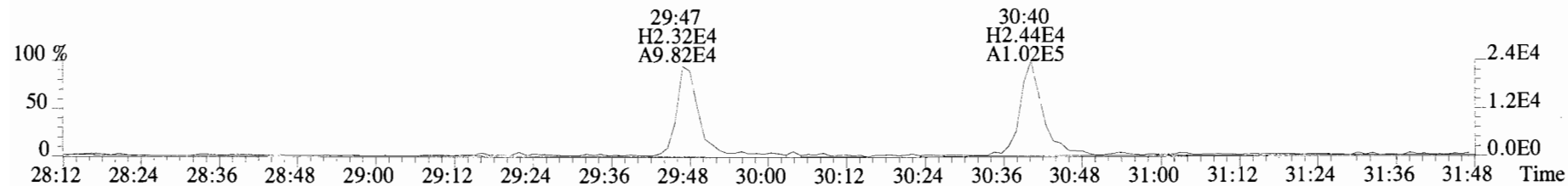
File:191009D1 #1-513 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 339.8597 S:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



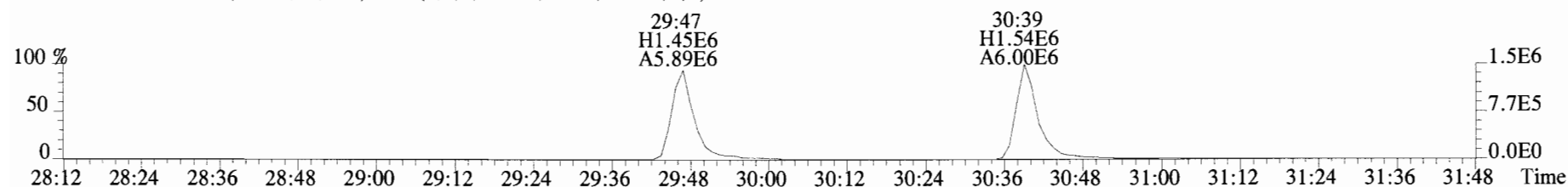
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



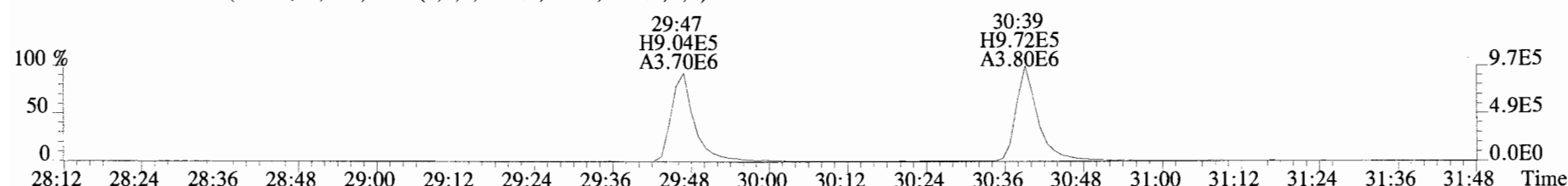
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



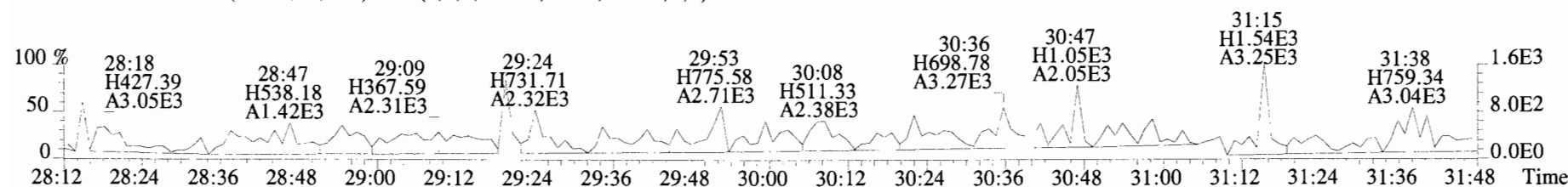
351.9000 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



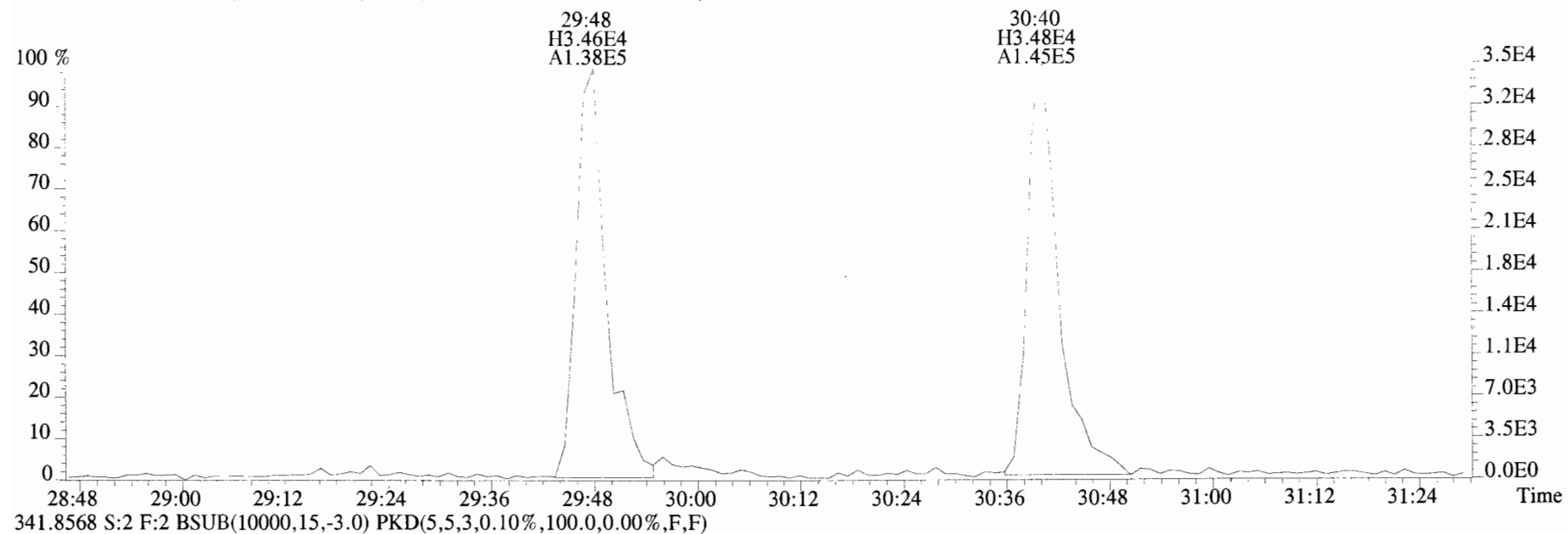
353.8970 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



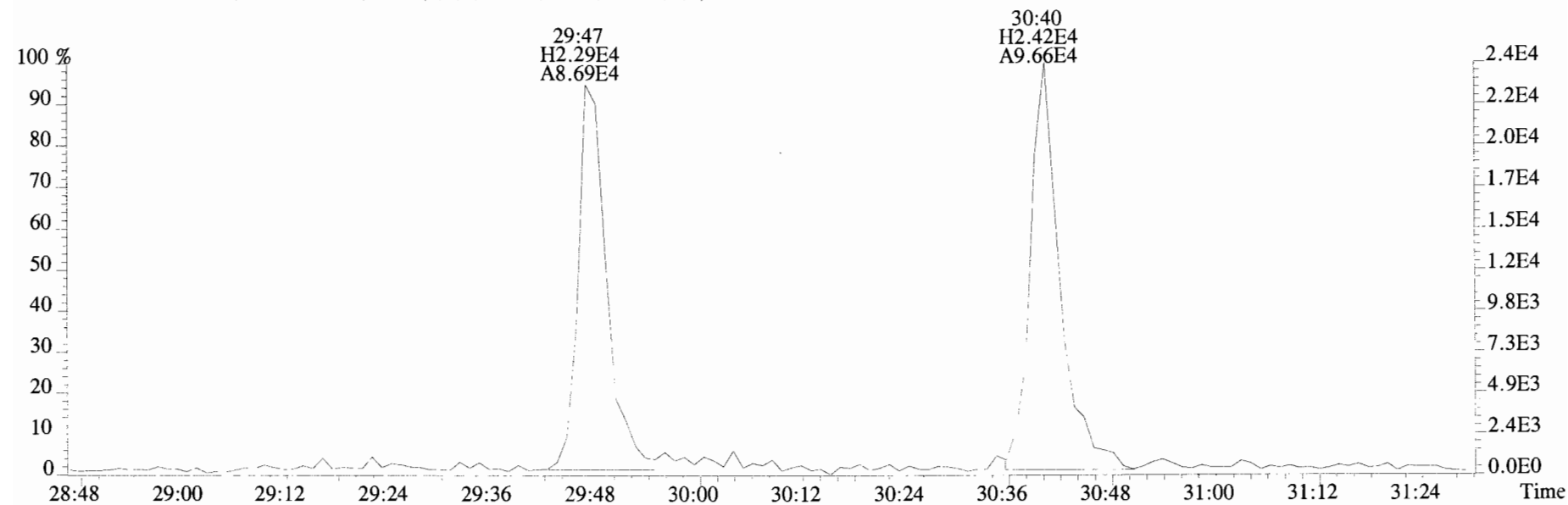
409.7974 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



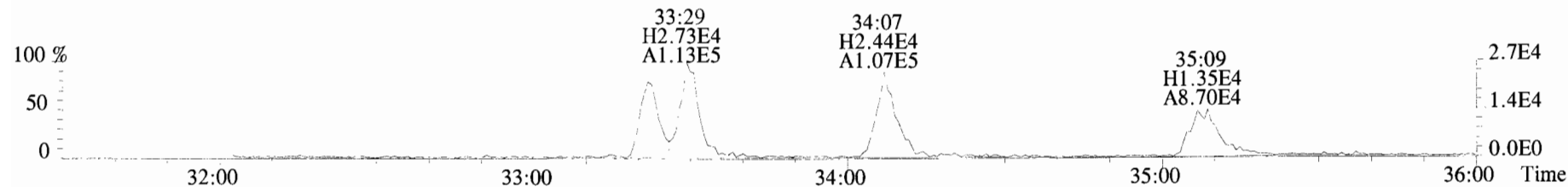
File:191009D1 #1-211 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
339.8597 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



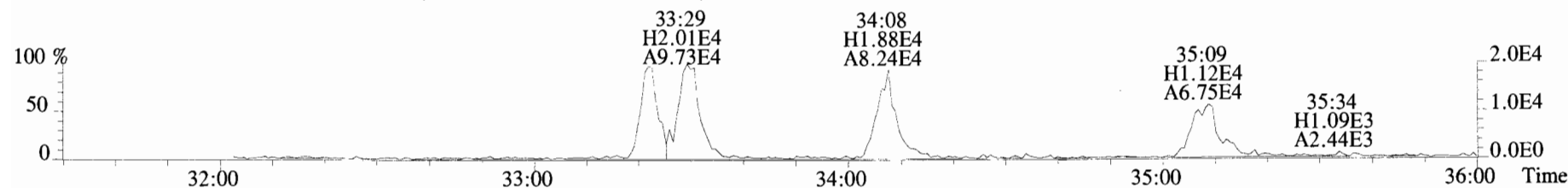
341.8568 S:2 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



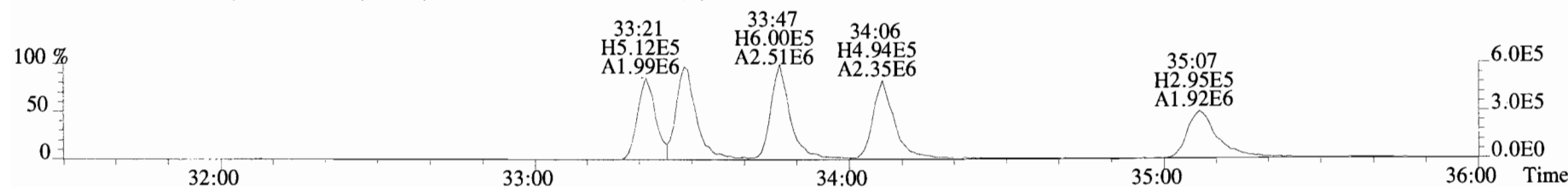
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



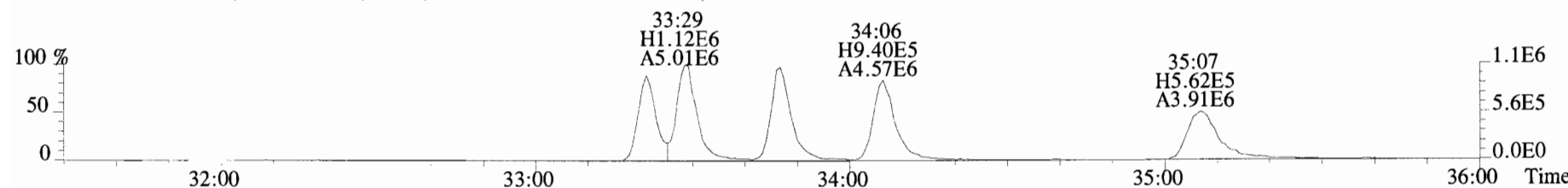
375.8178 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



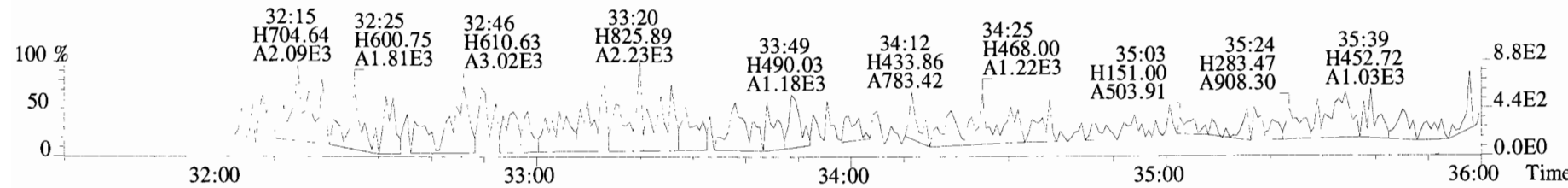
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



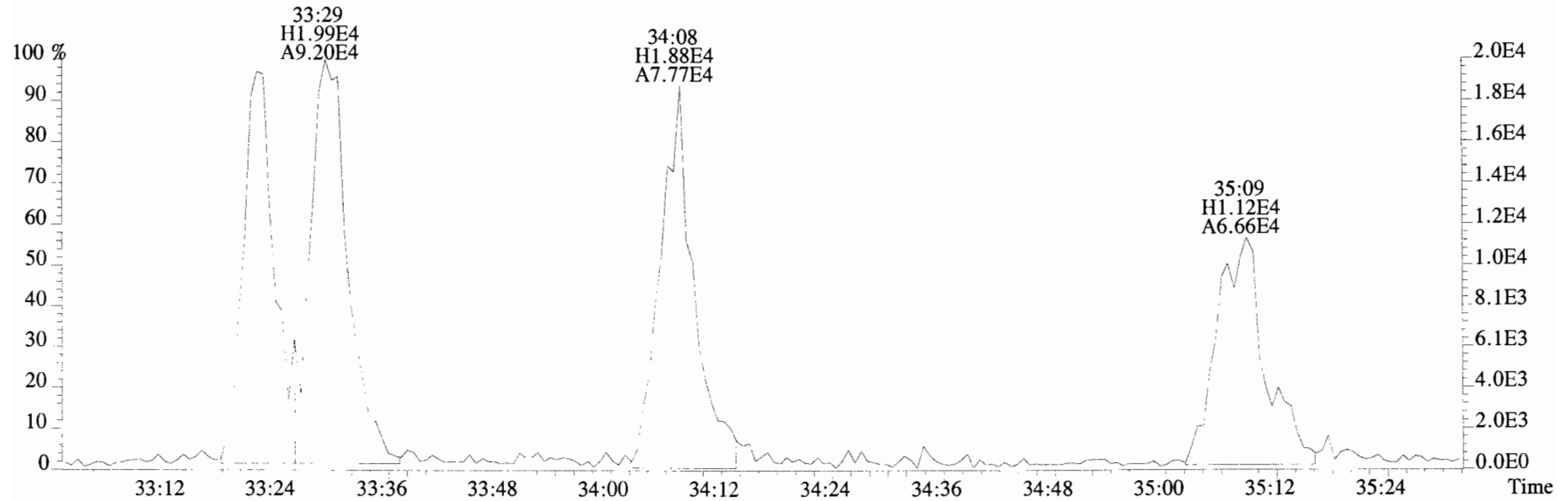
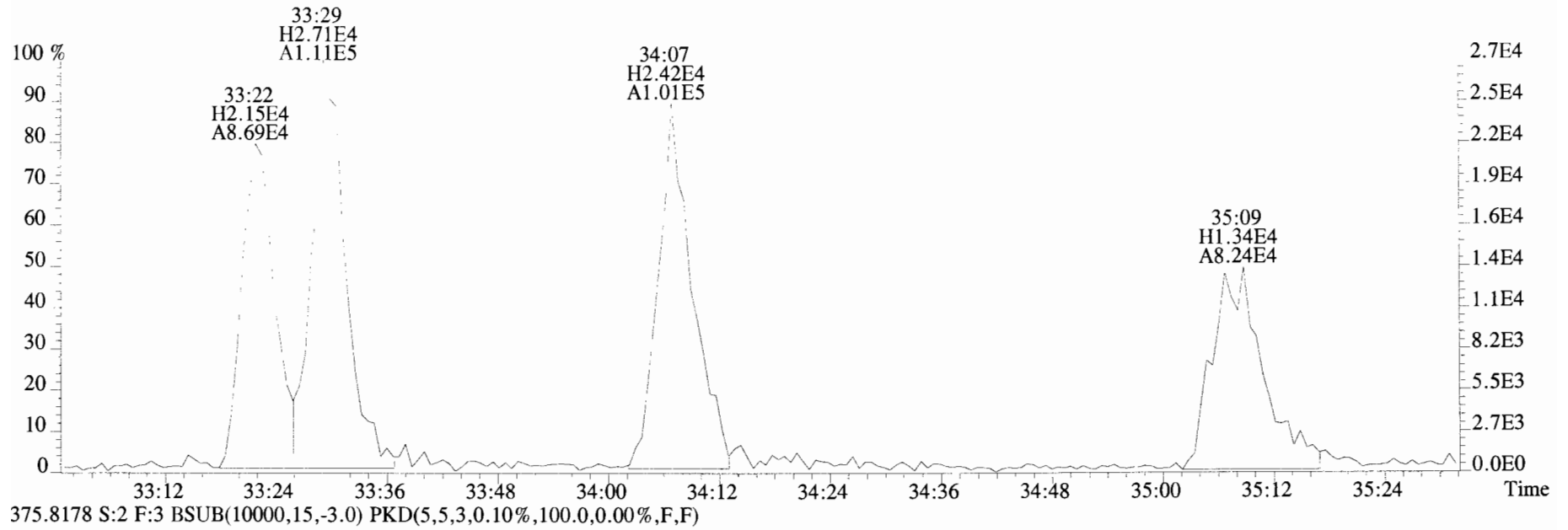
385.8610 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



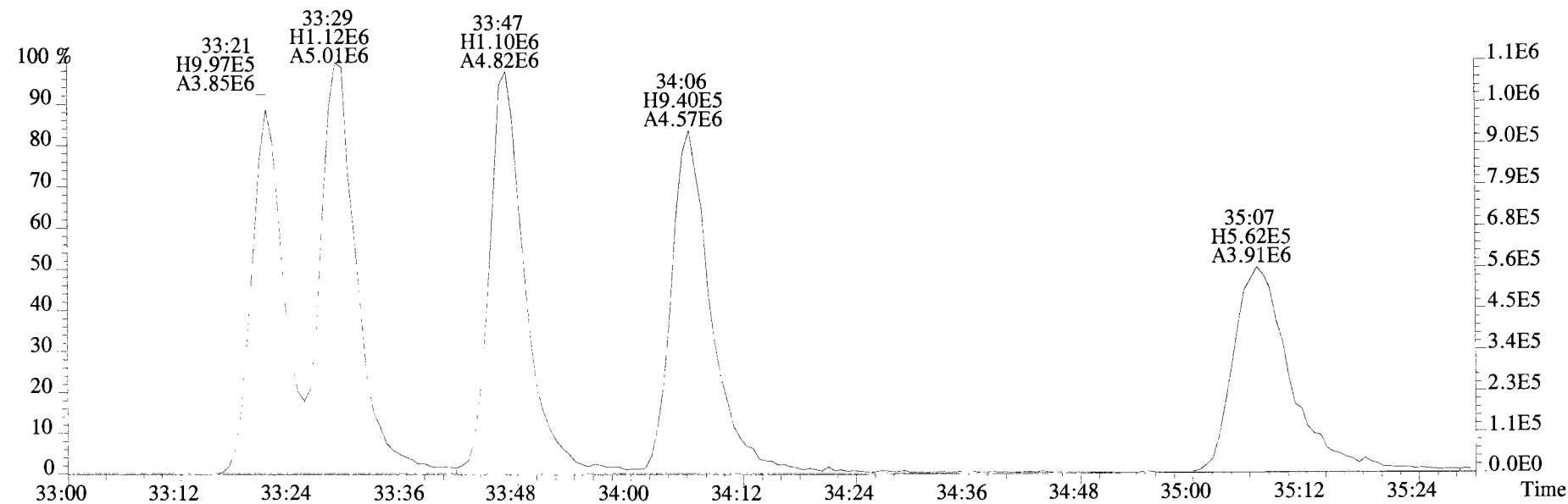
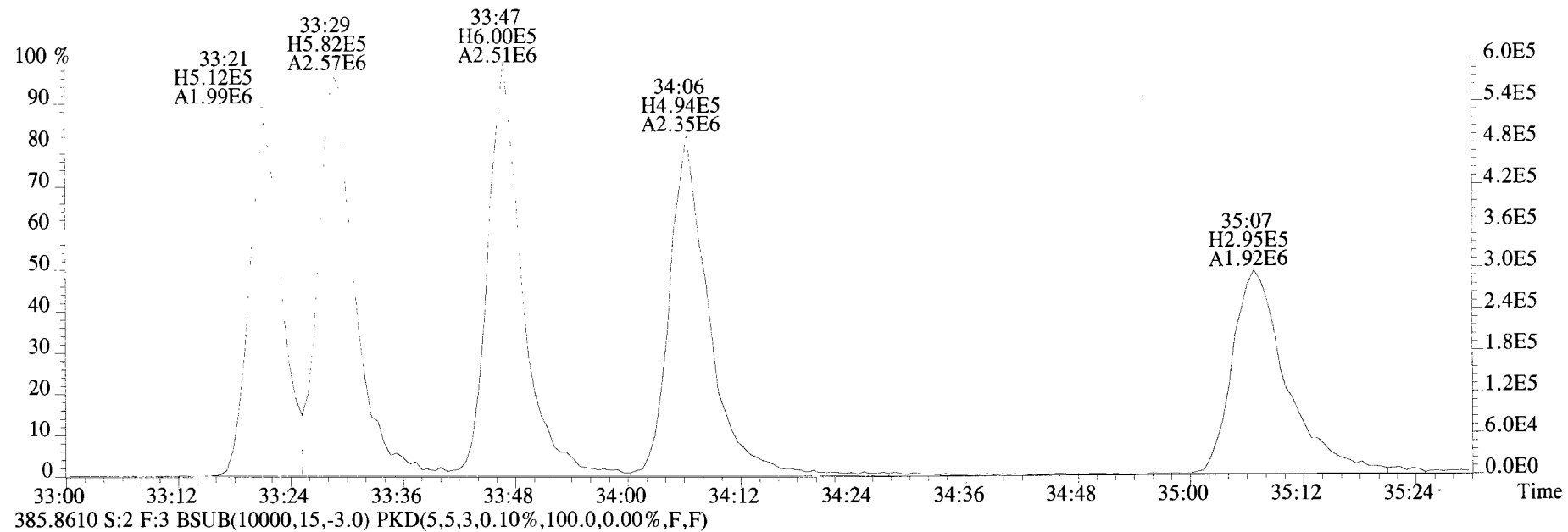
445.7555 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



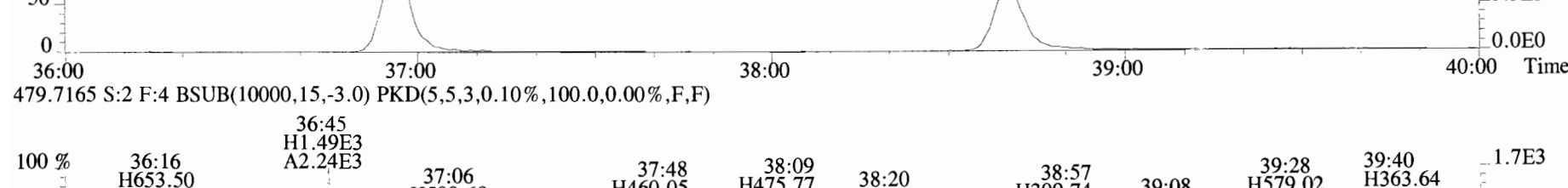
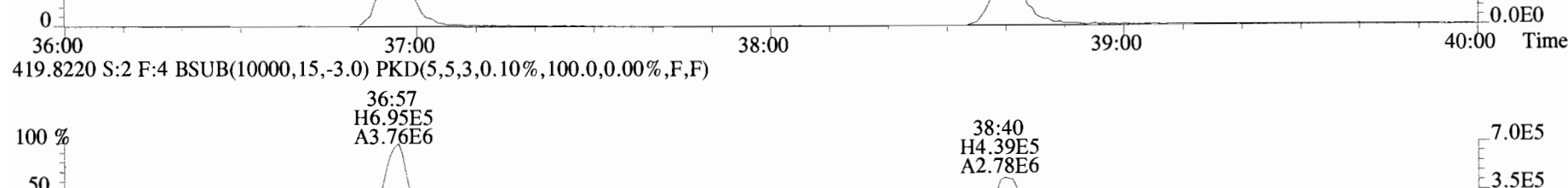
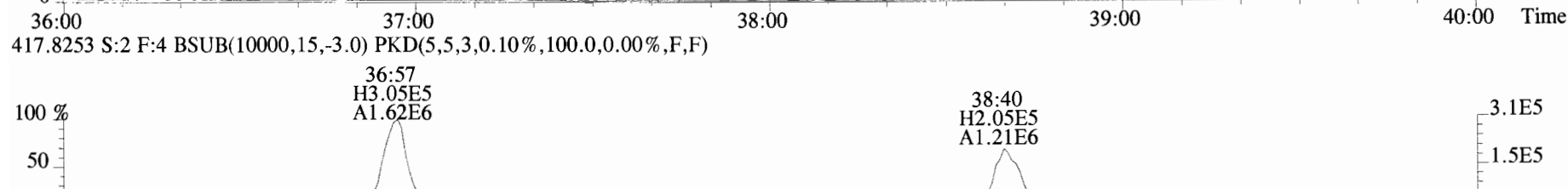
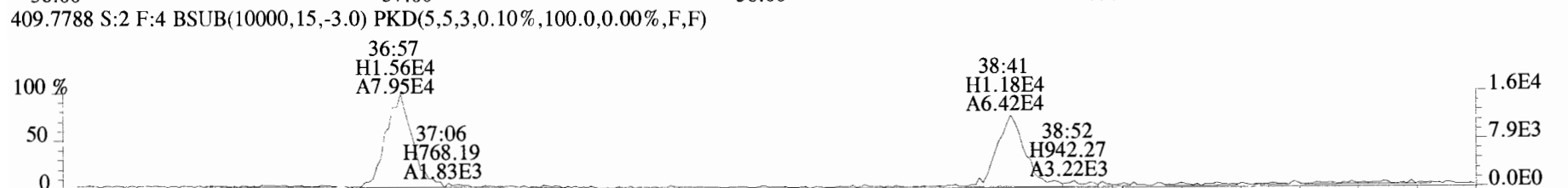
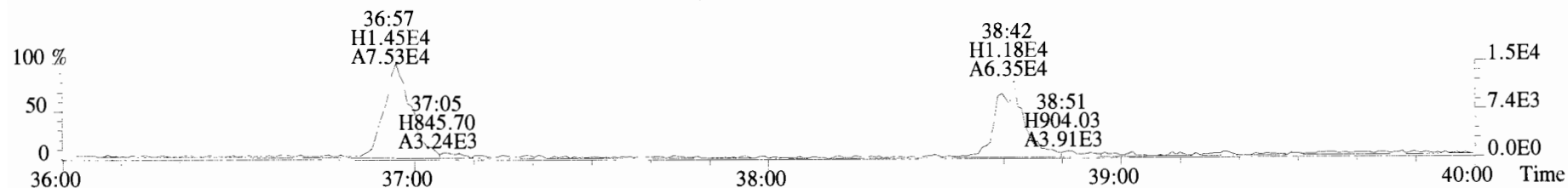
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
373.8207 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



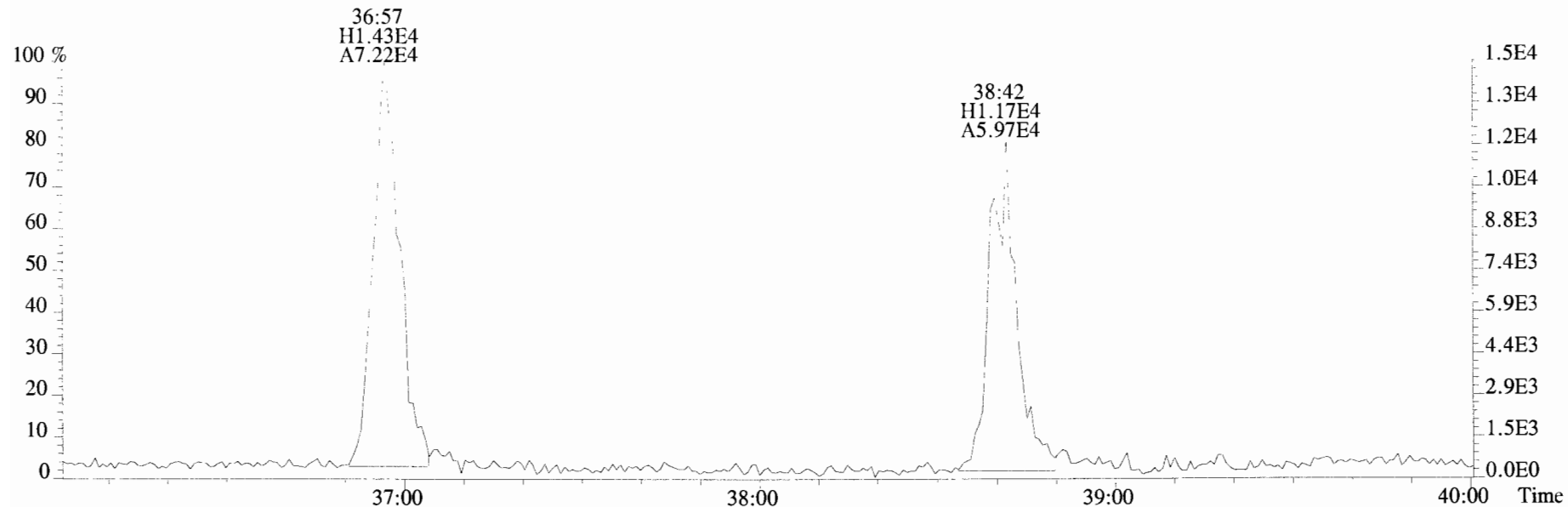
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
383.8639 S:2 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



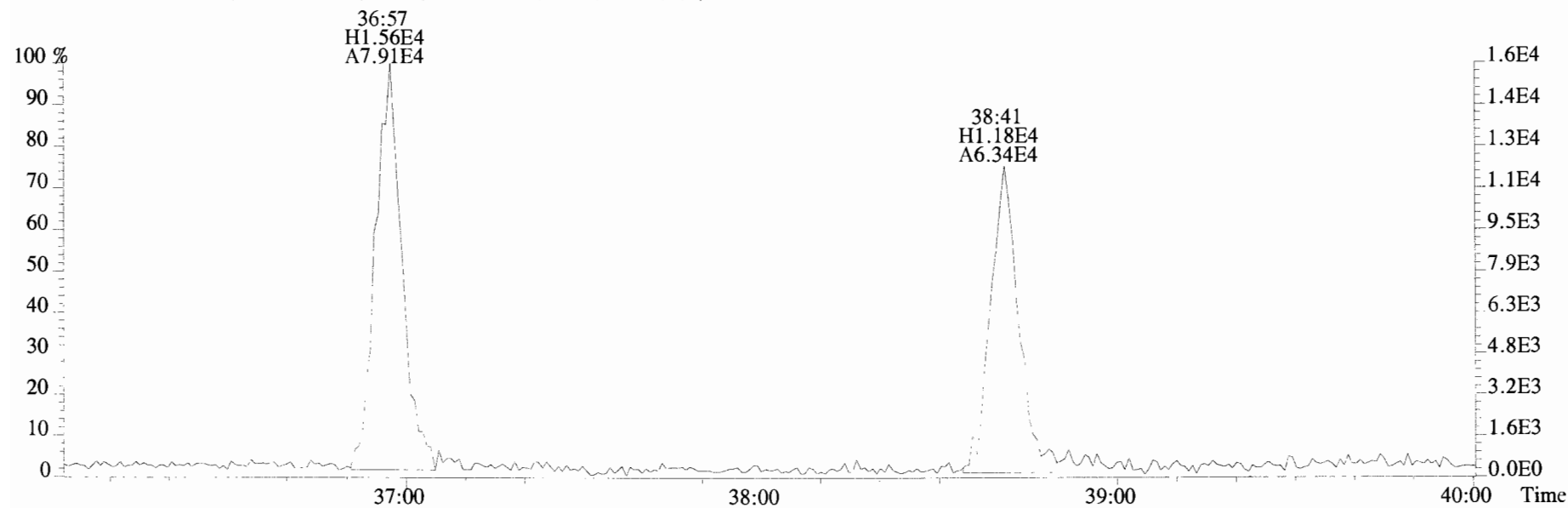
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text: Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



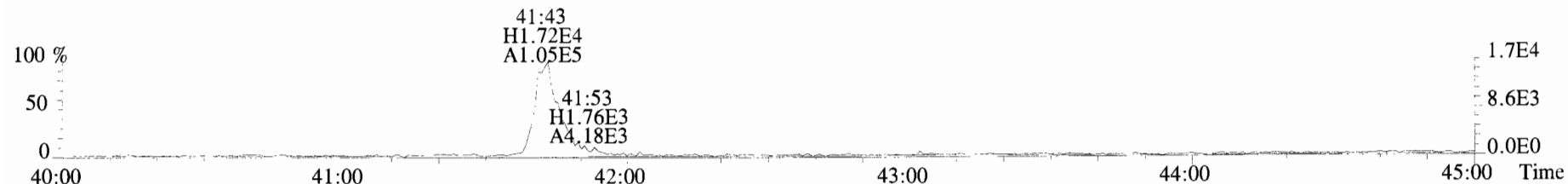
File:191009D1 #1-355 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
407.7818 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



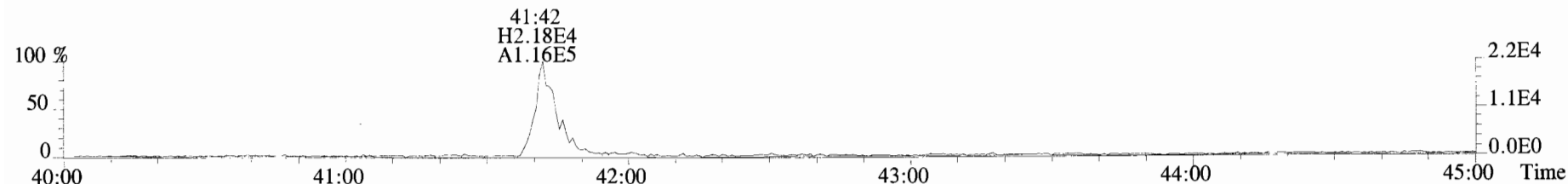
409.7788 S:2 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



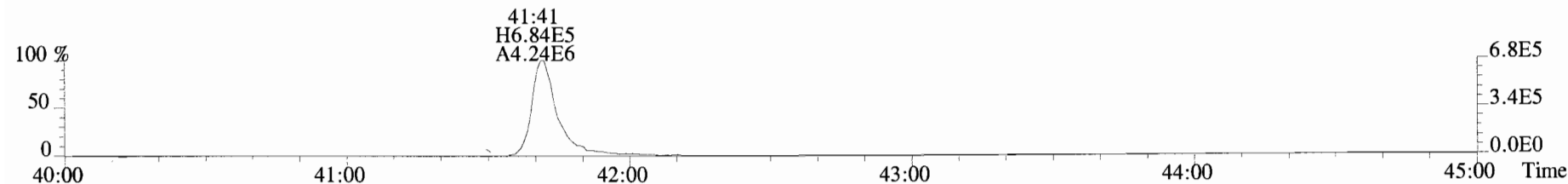
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#2 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
 441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



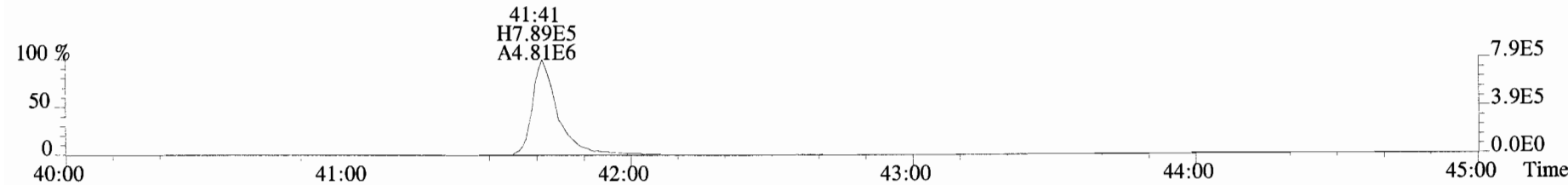
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



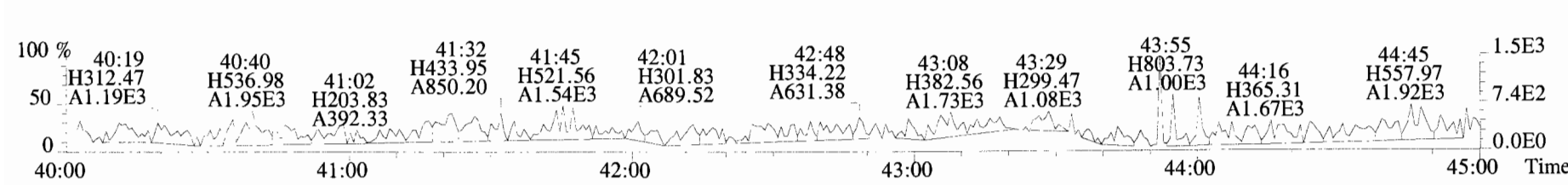
453.7831 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



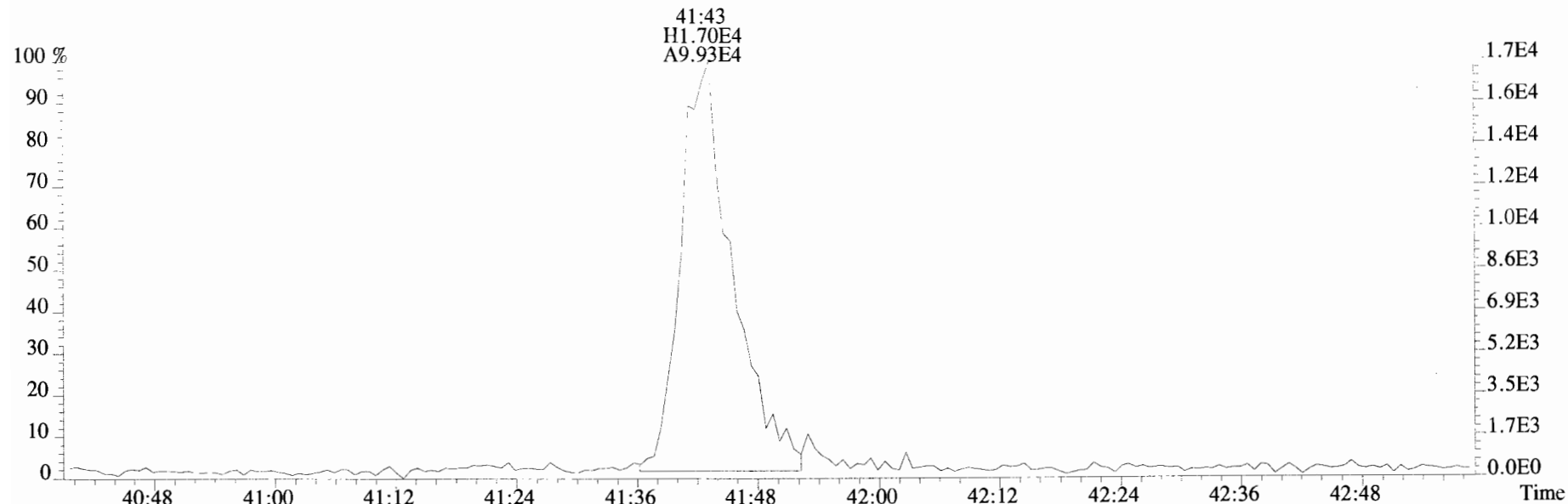
455.7801 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



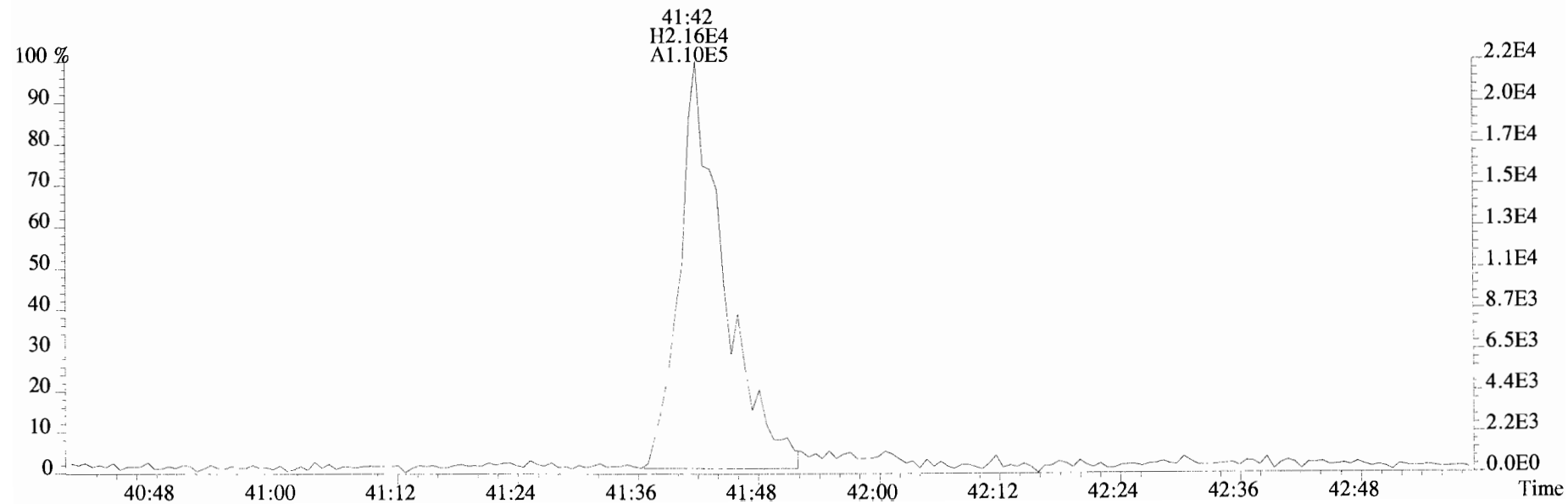
513.6775 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



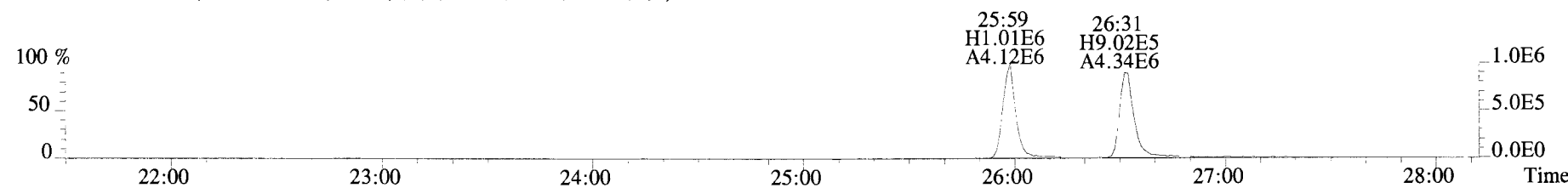
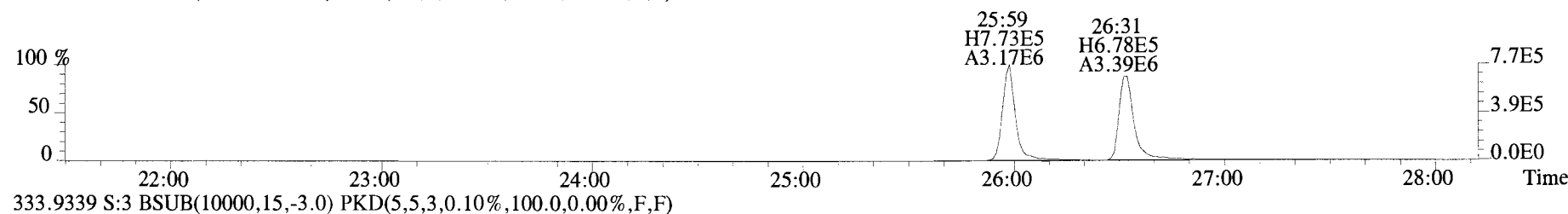
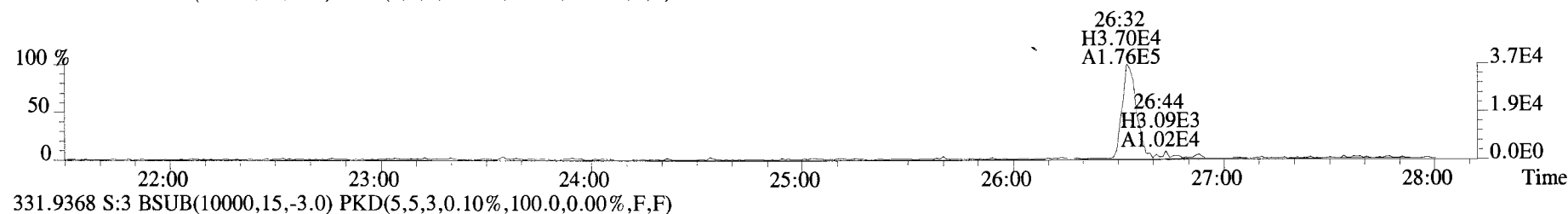
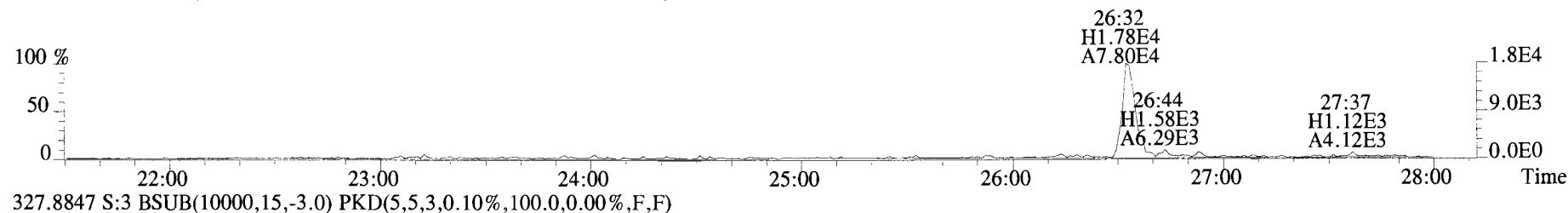
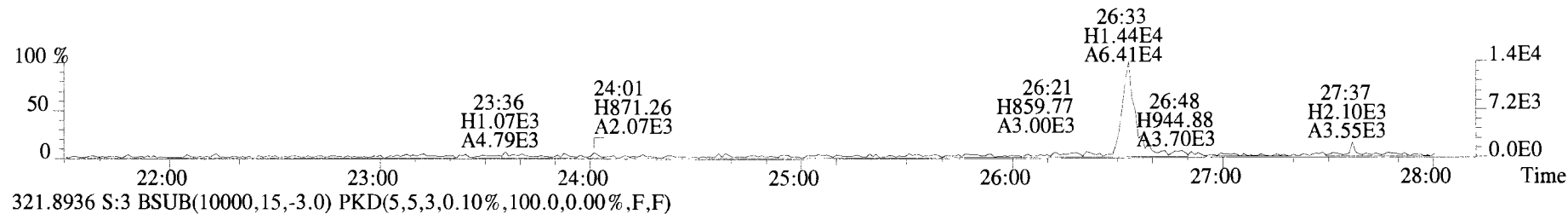
File:191009D1 #1-432 Acq: 9-OCT-2019 17:00:45 GC EI+ Voltage SIR Autospec-UltimaE
Sample#2 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-2 1613 CS1 19C2202 Exp:OCDD_DB5
441.7428 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



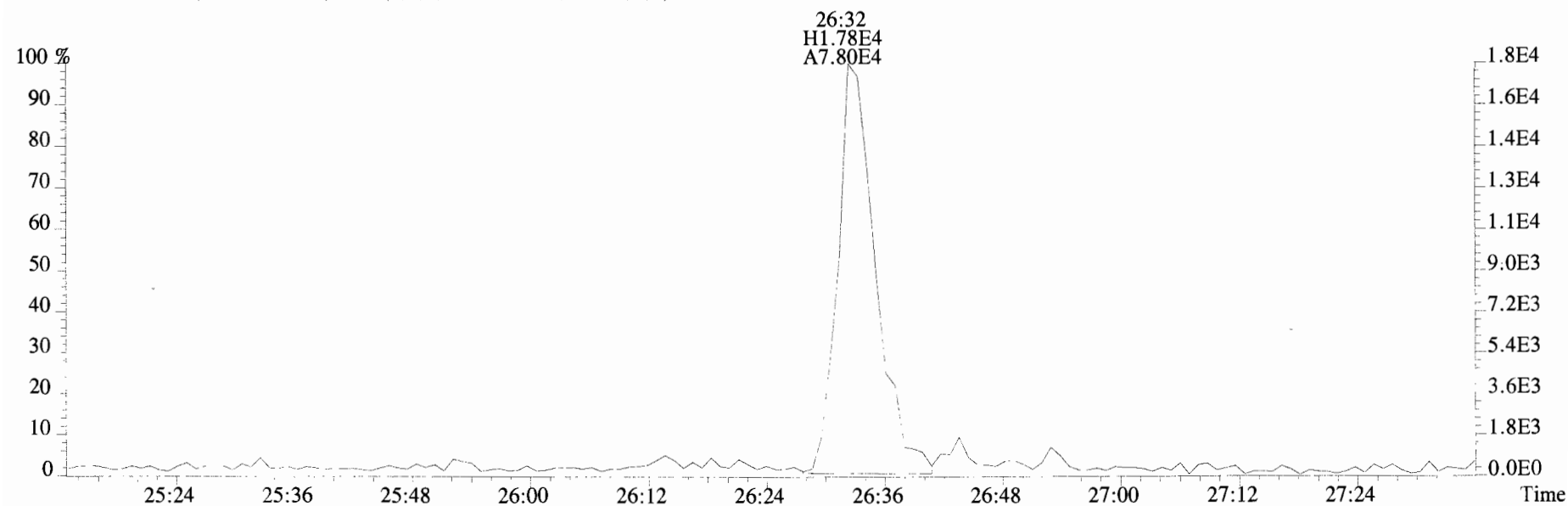
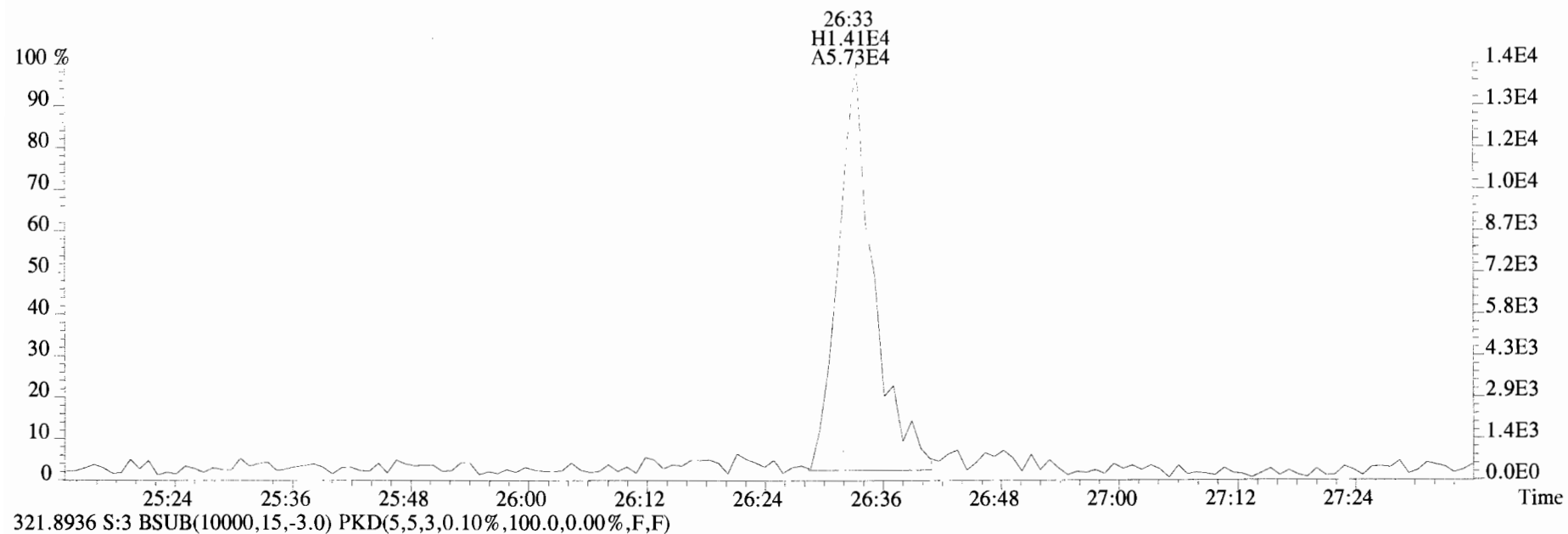
443.7398 S:2 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



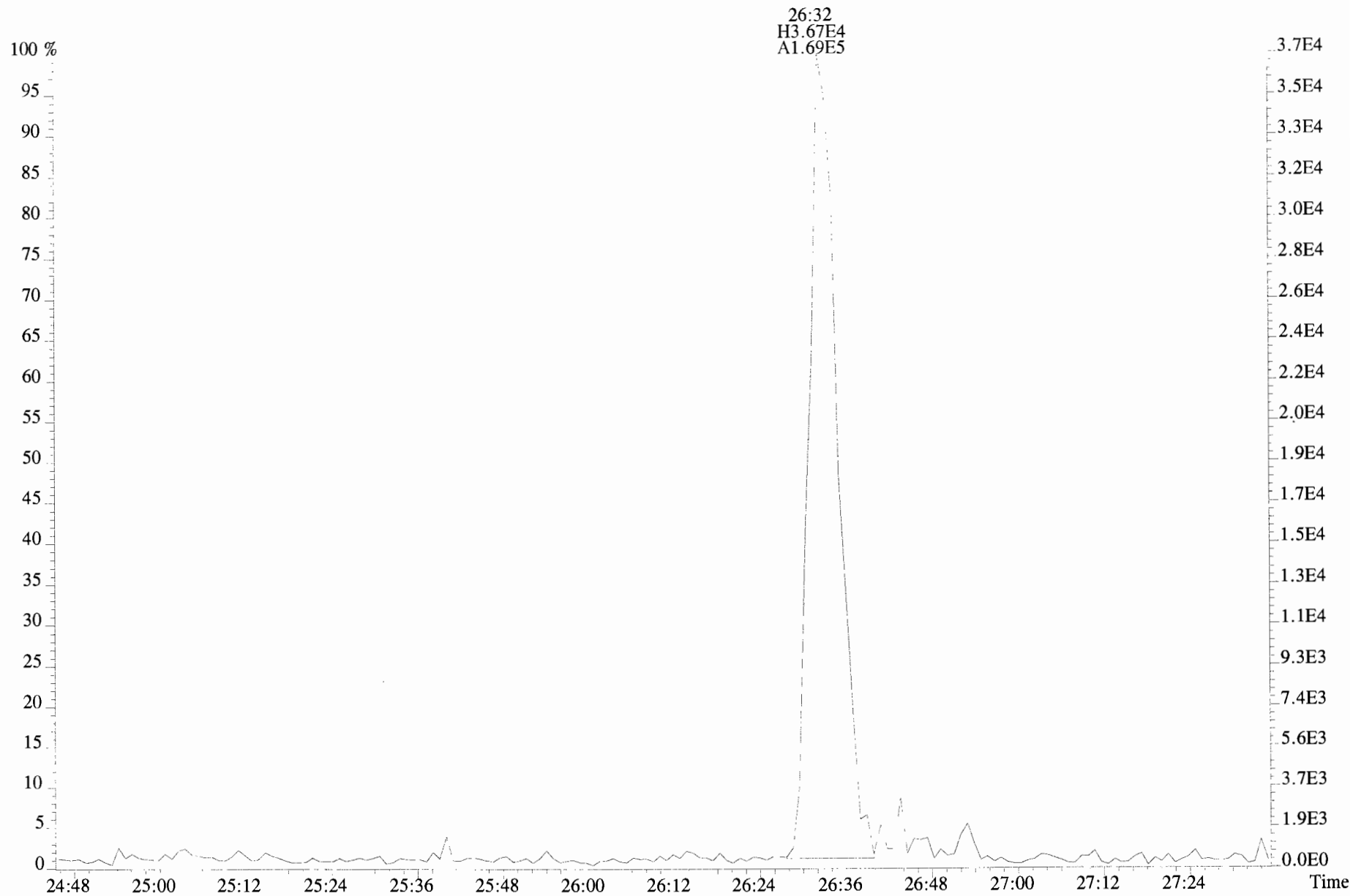
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



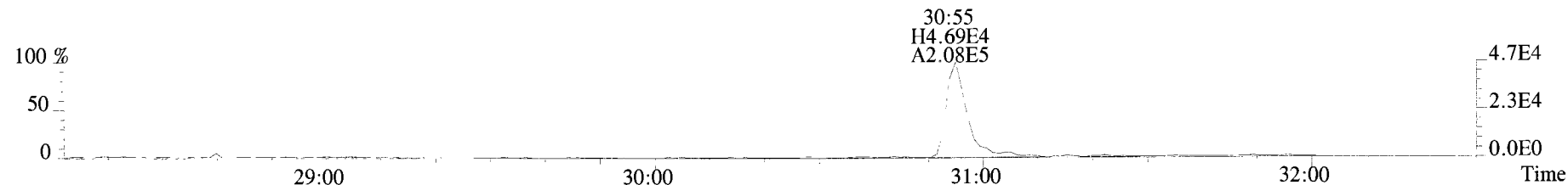
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
319.8965 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



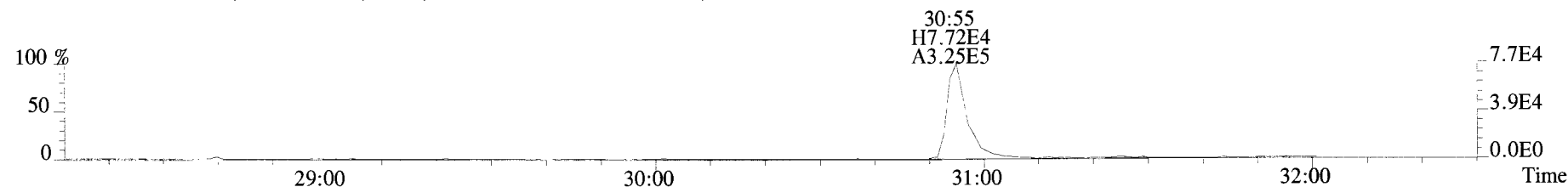
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
327.8847 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



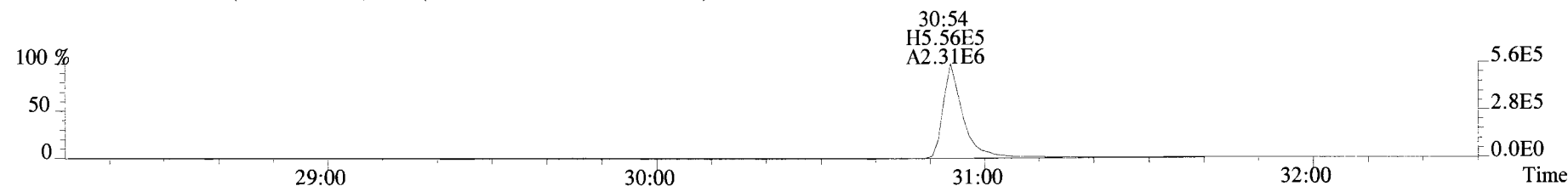
File:191009D1 #1-211 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
353.8576 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



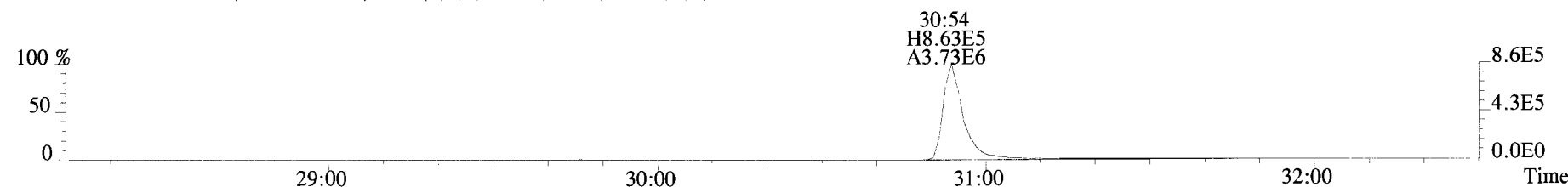
355.8546 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



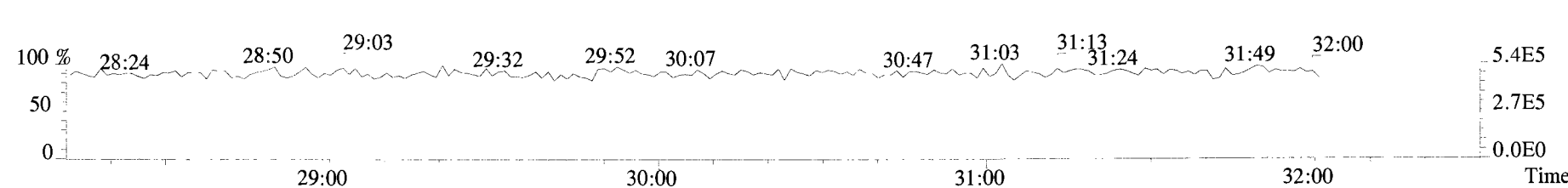
365.8978 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



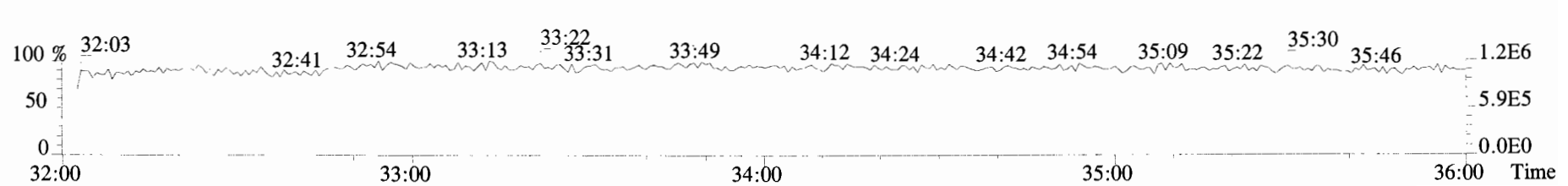
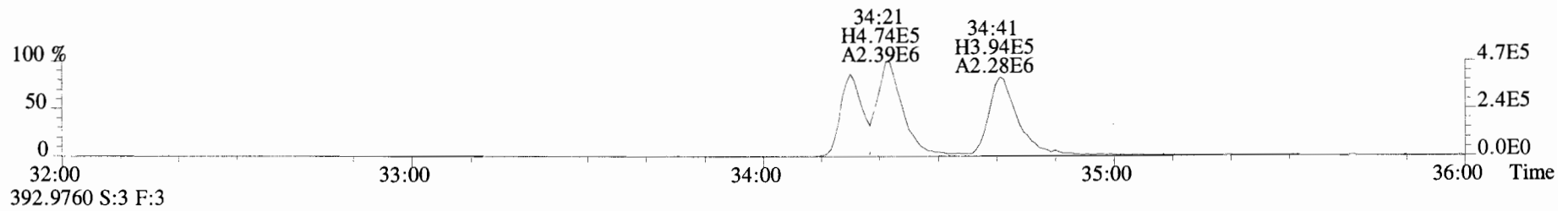
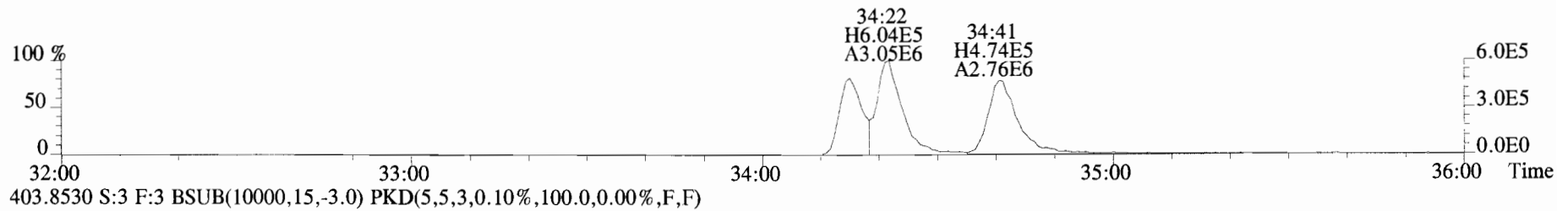
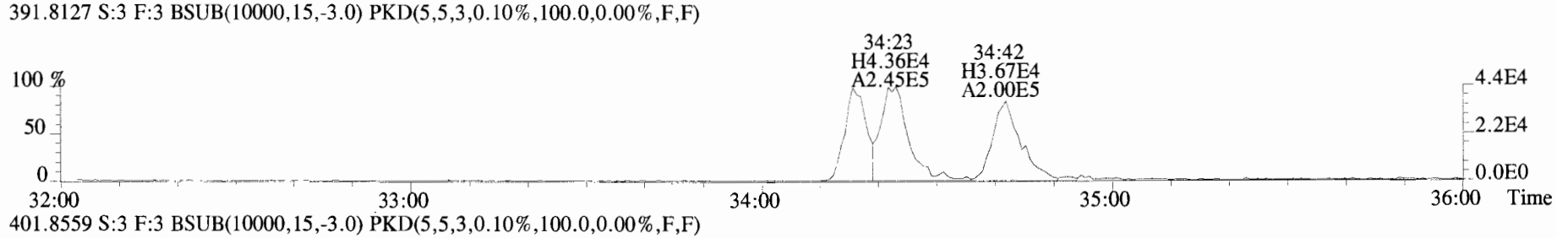
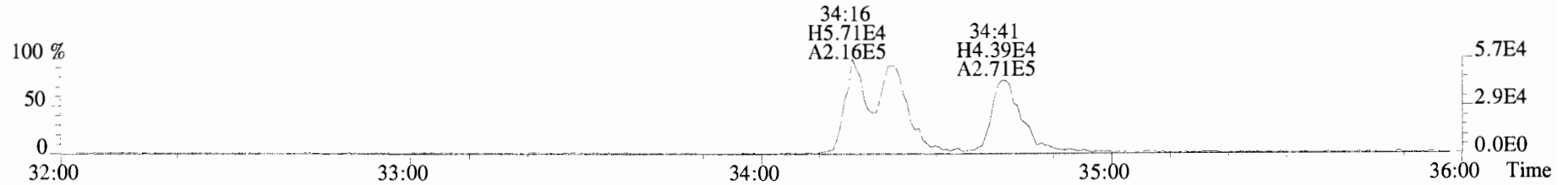
367.8949 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



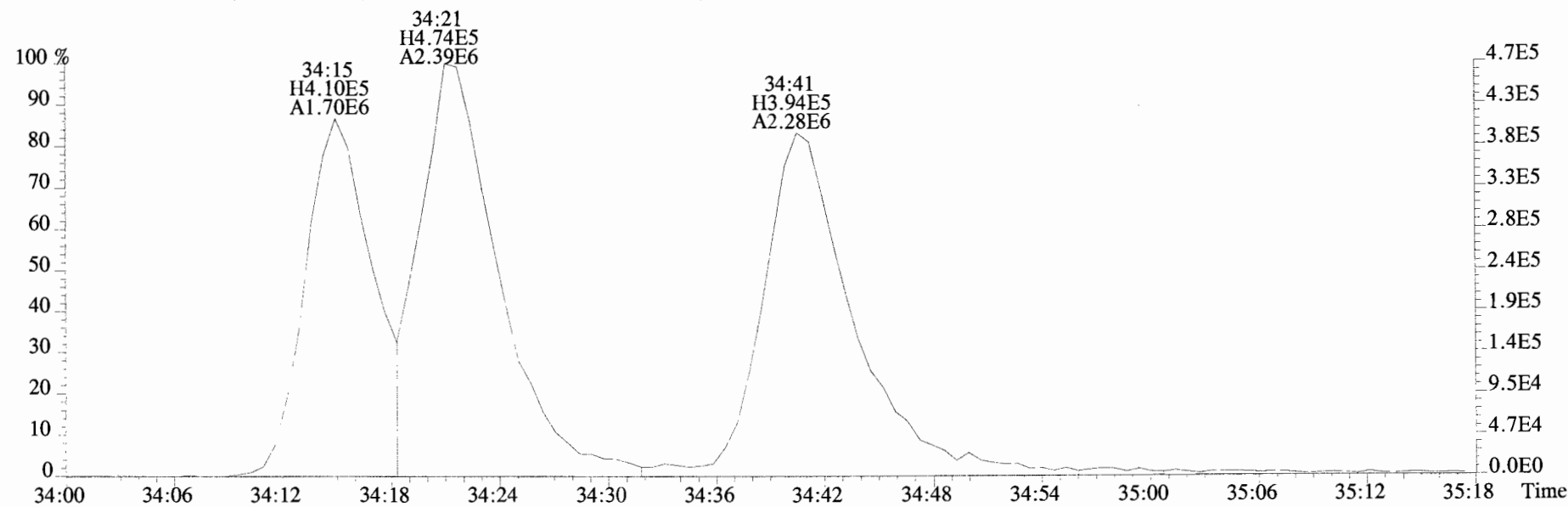
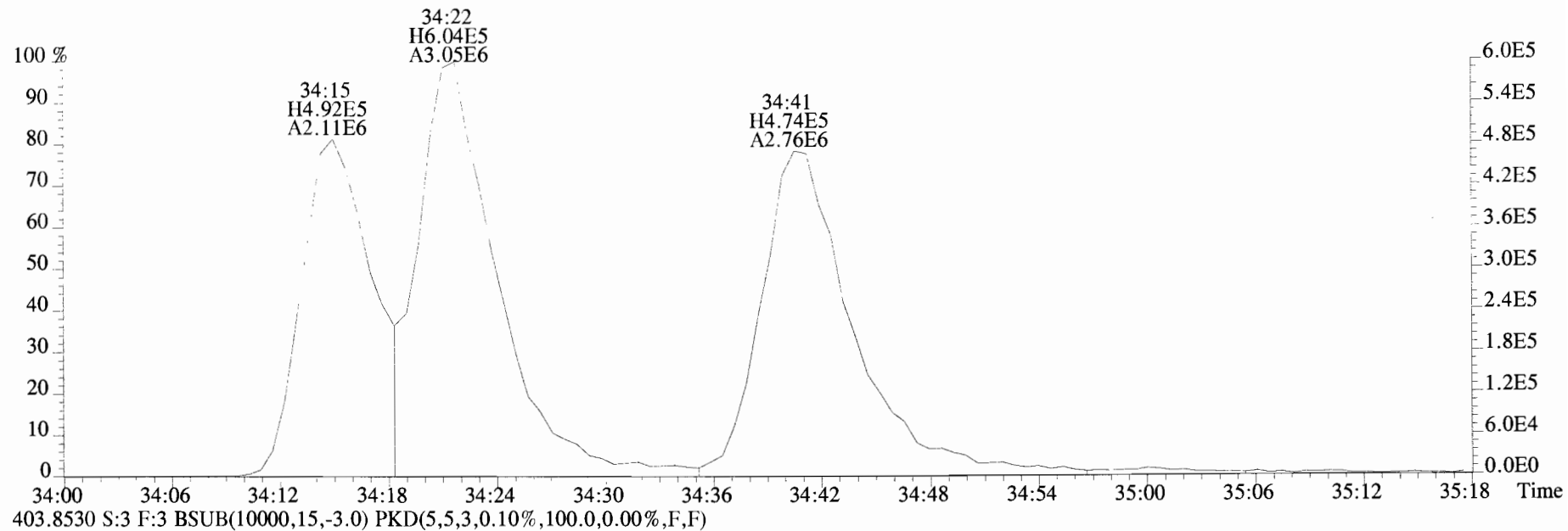
366.9792 S:3 F:2



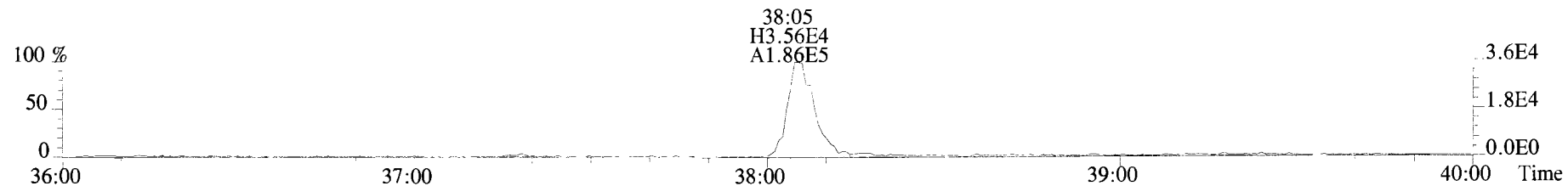
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
389.8156 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



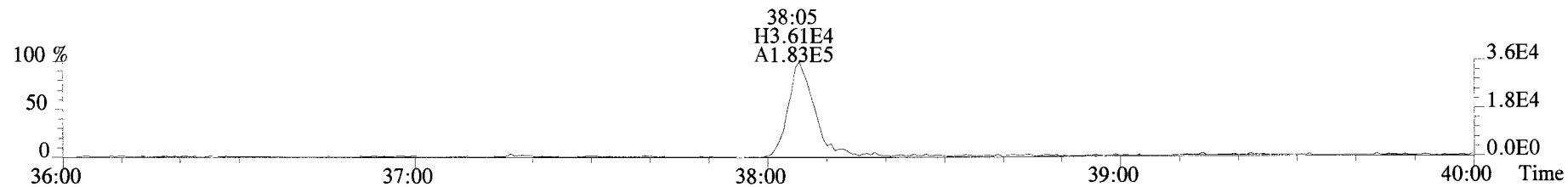
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
401.8559 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



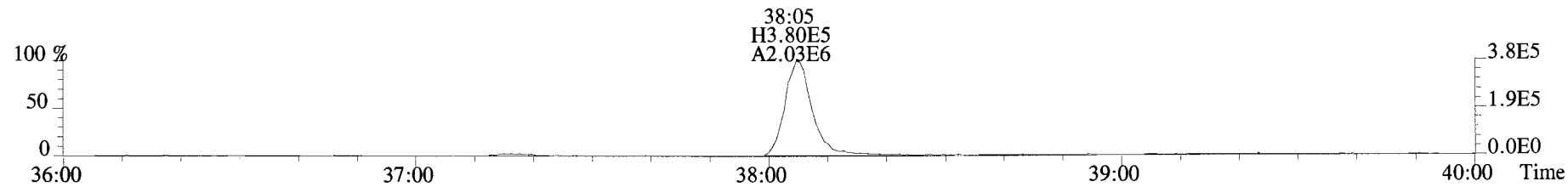
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
423.7767 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



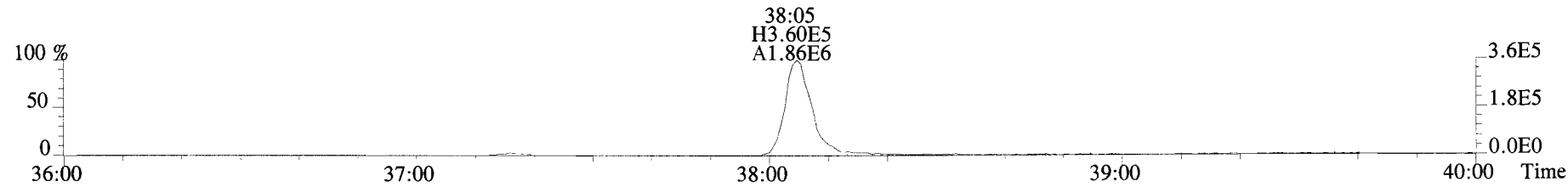
425.7737 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



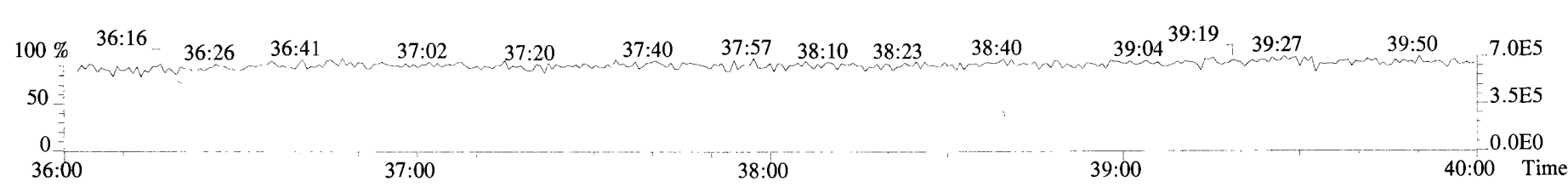
435.8169 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



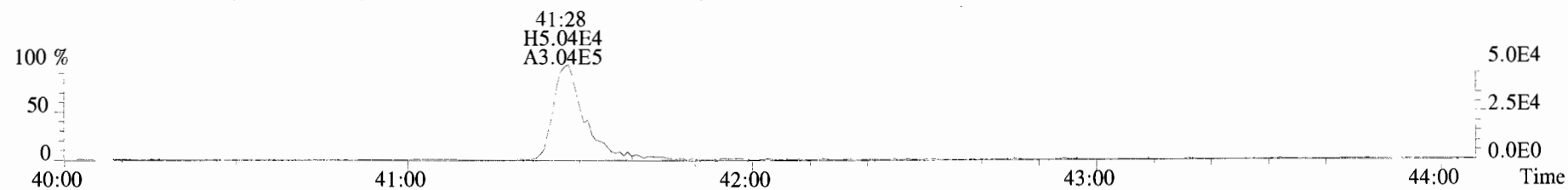
437.8140 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



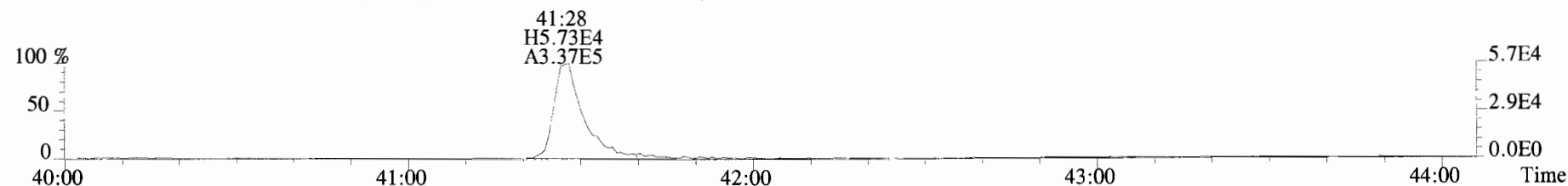
454.9728 S:3 F:4



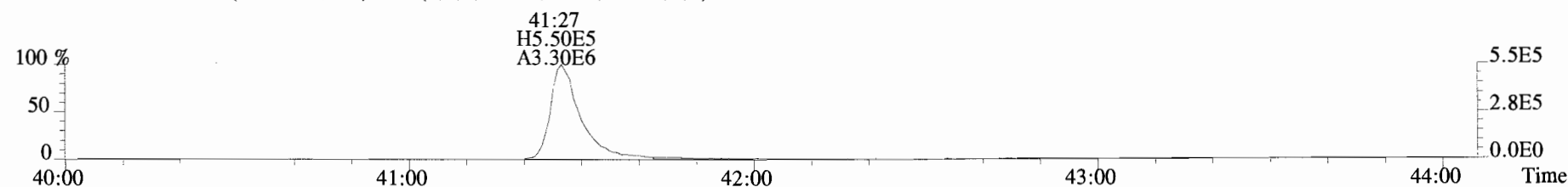
File:191009D1 #1-432 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
457.7377 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



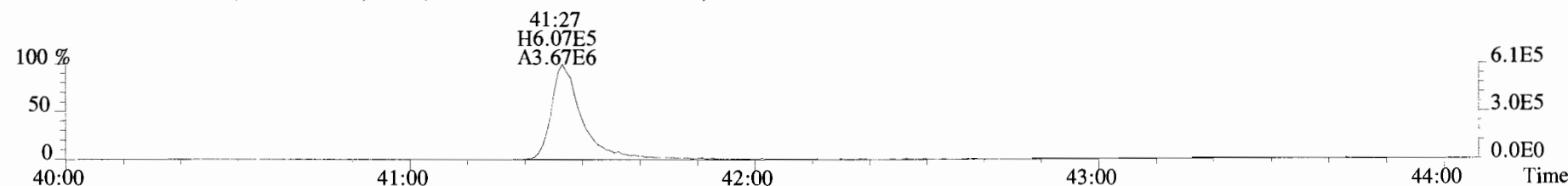
459.7348 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



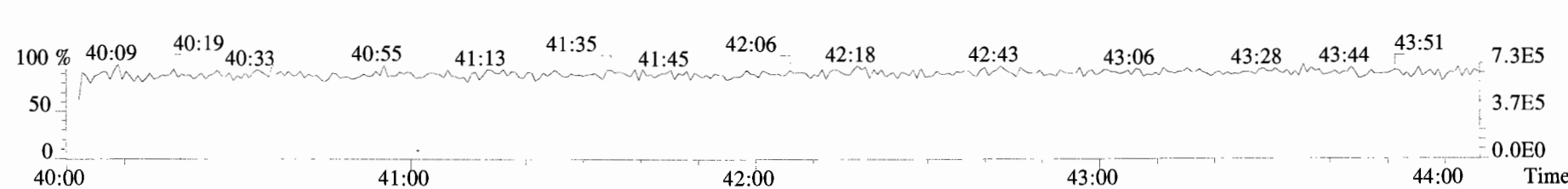
469.7780 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



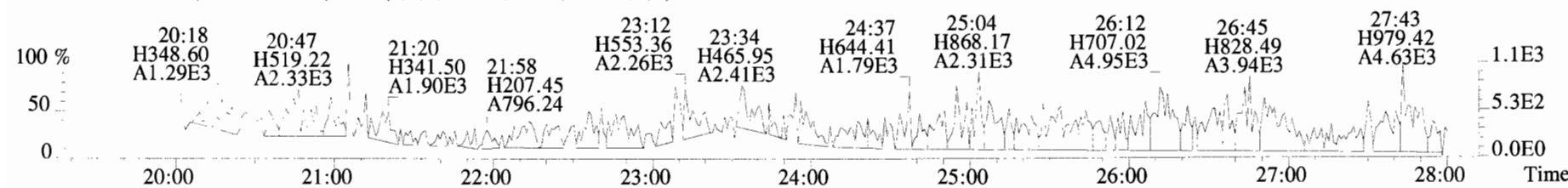
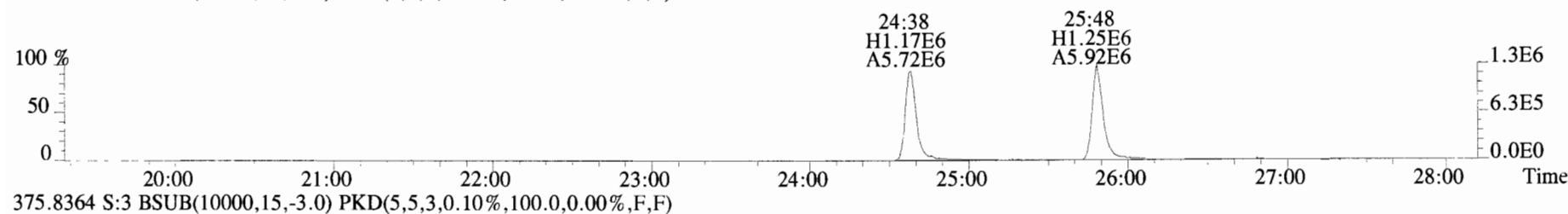
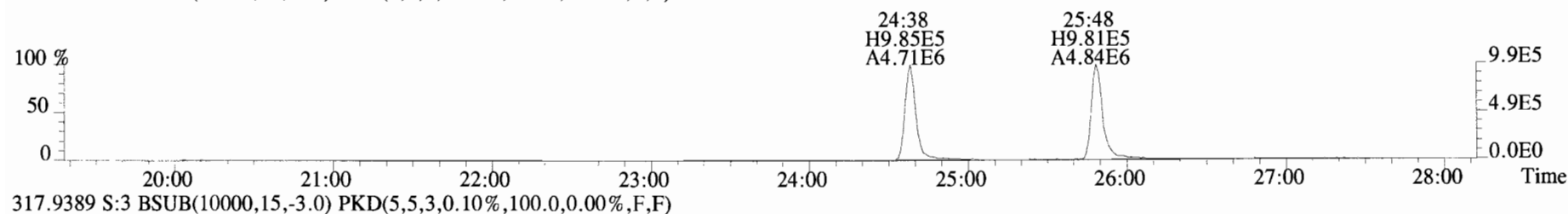
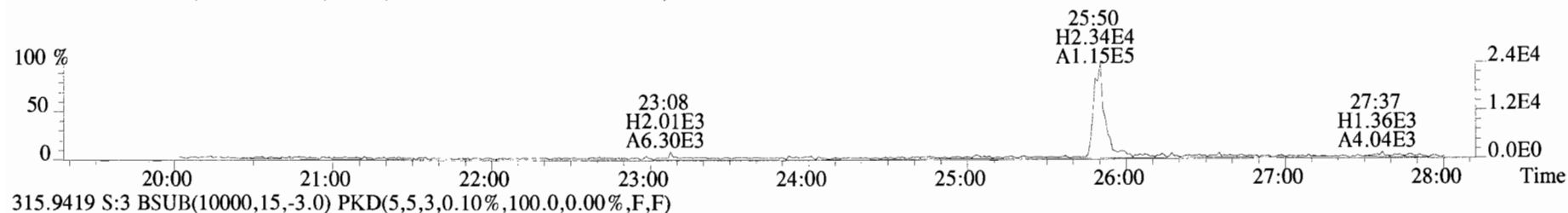
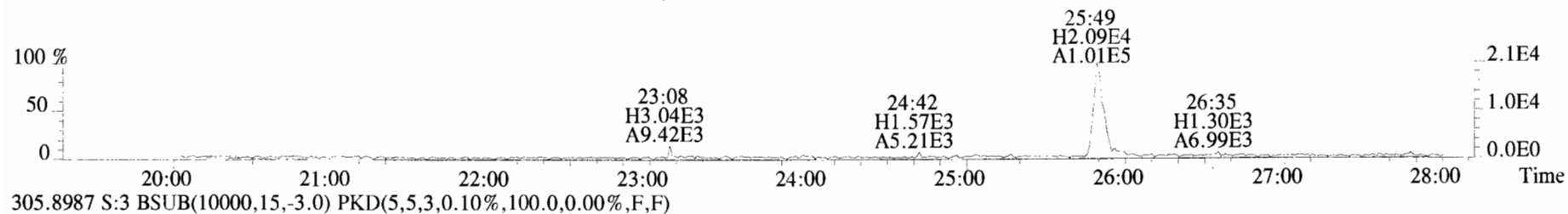
471.7750 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



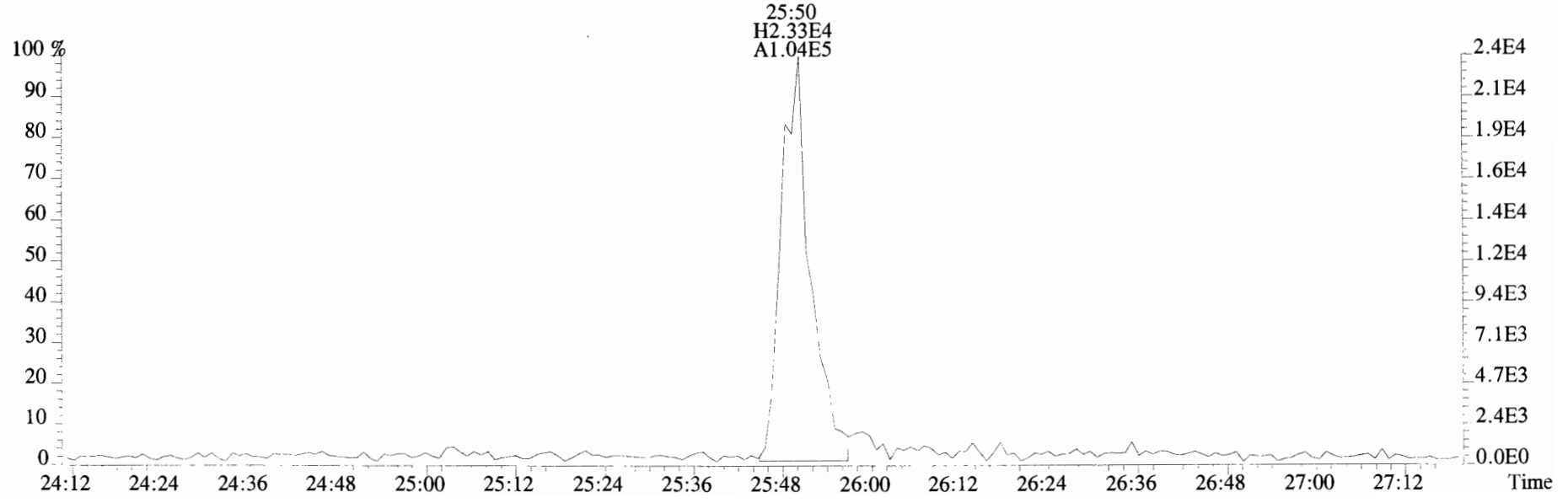
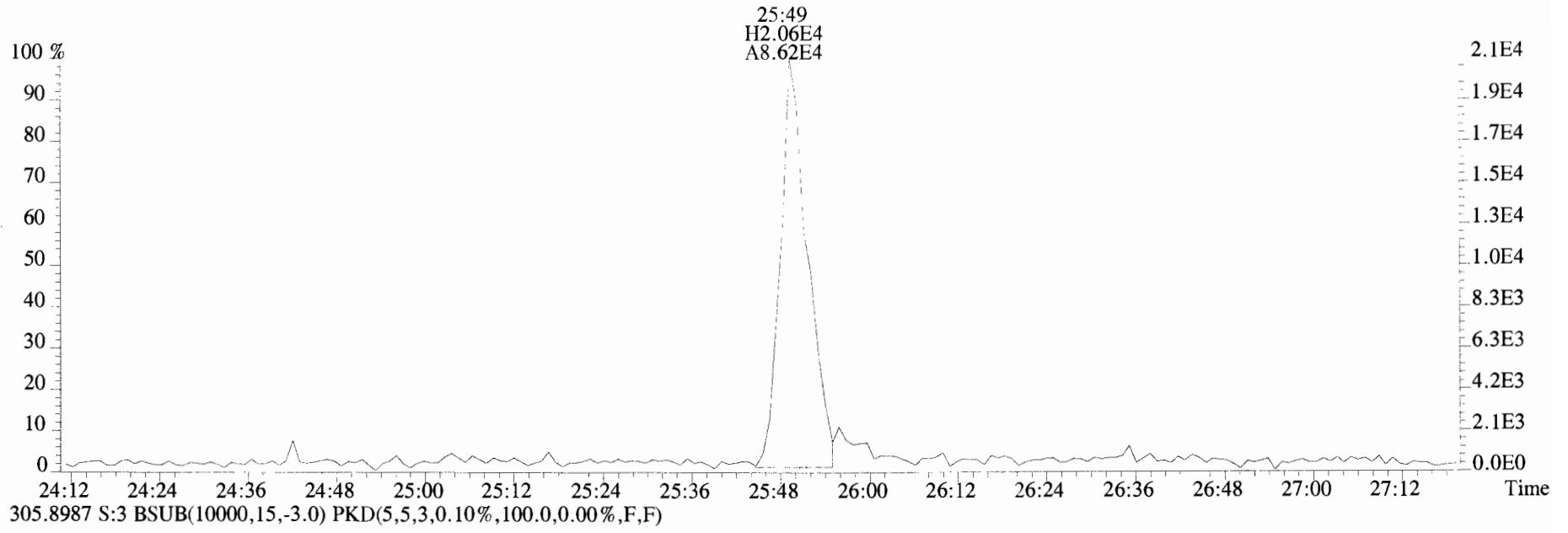
454.9728 S:3 F:5



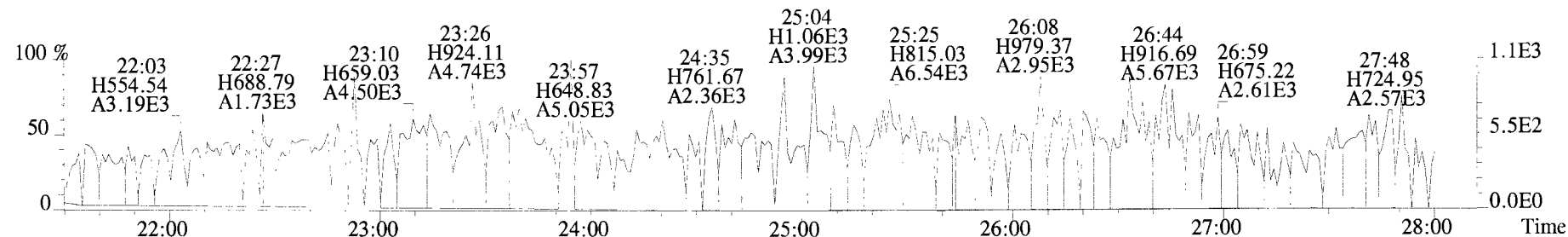
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



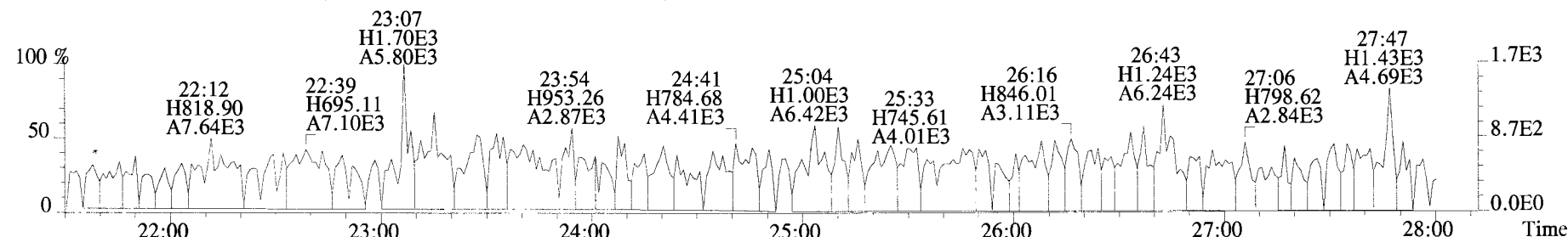
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
303.9016 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



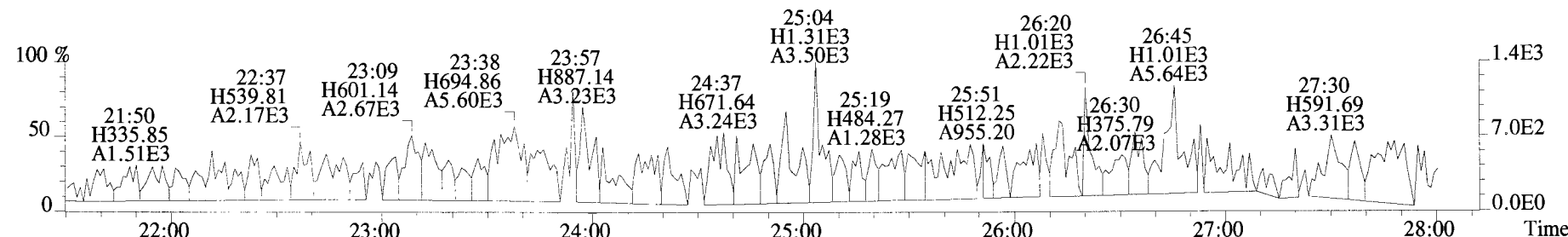
File:191009D1 #1-513 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 339.8597 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



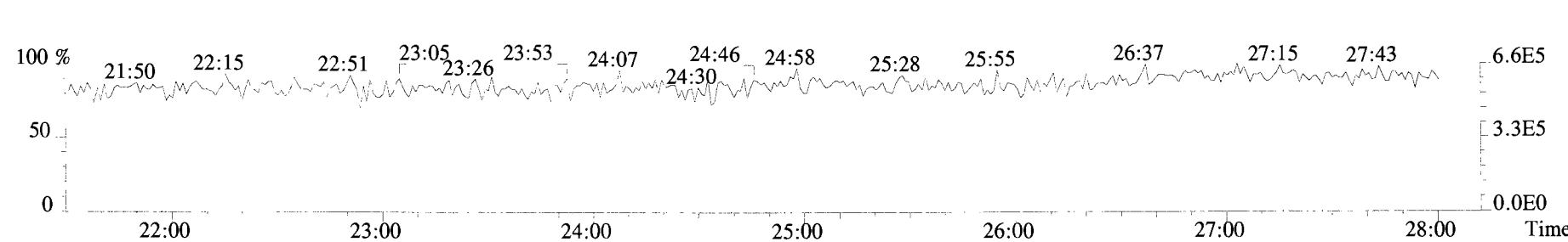
341.8568 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



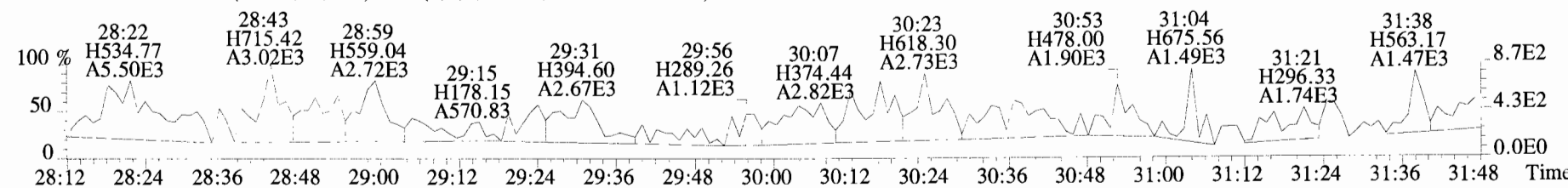
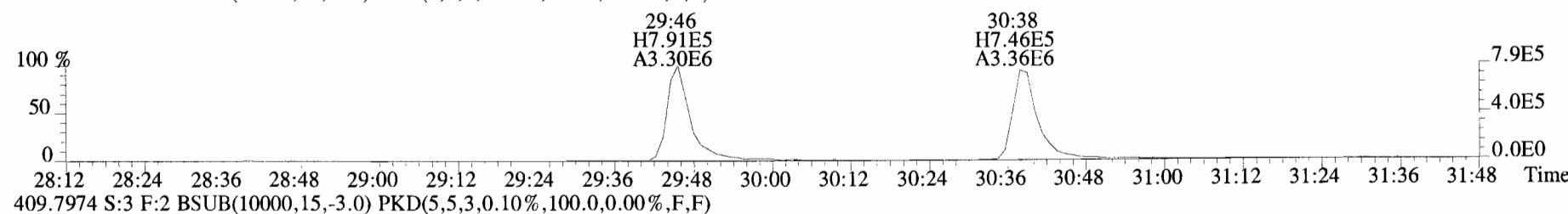
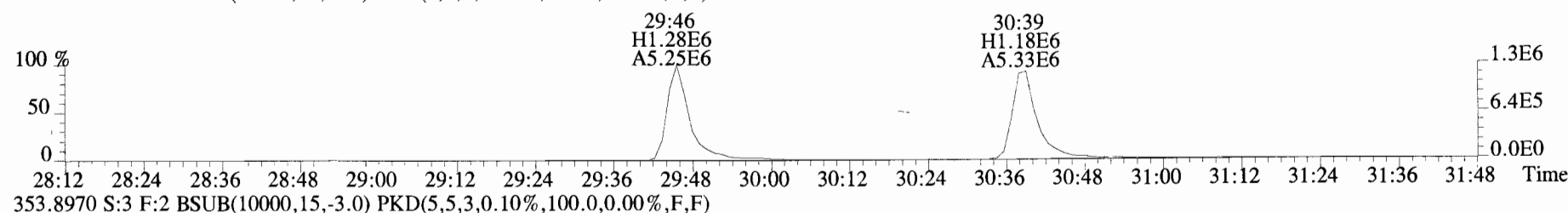
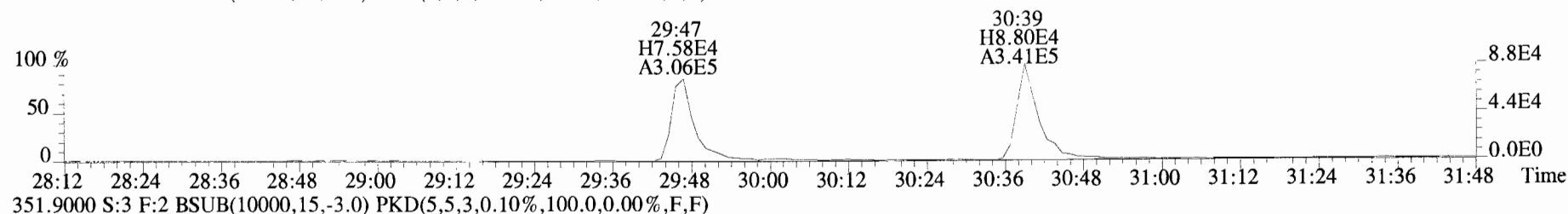
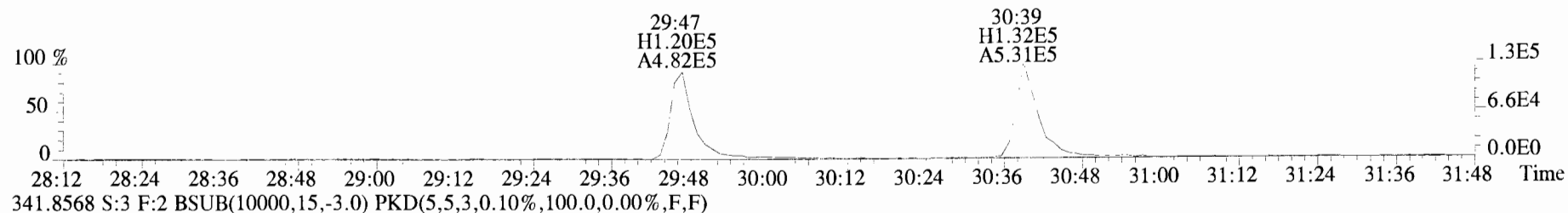
409.7974 S:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



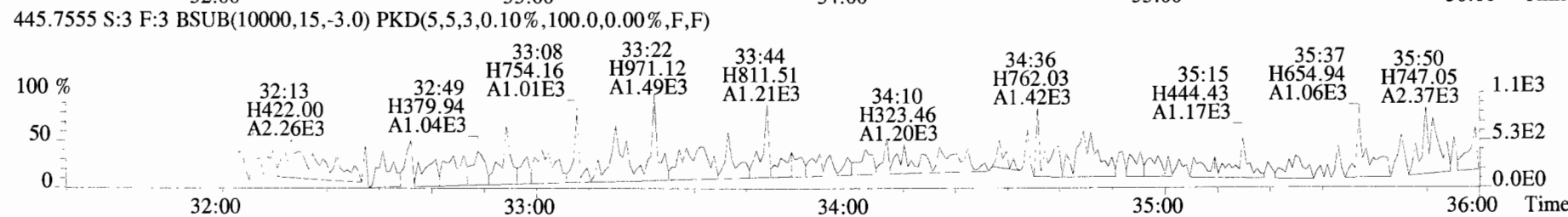
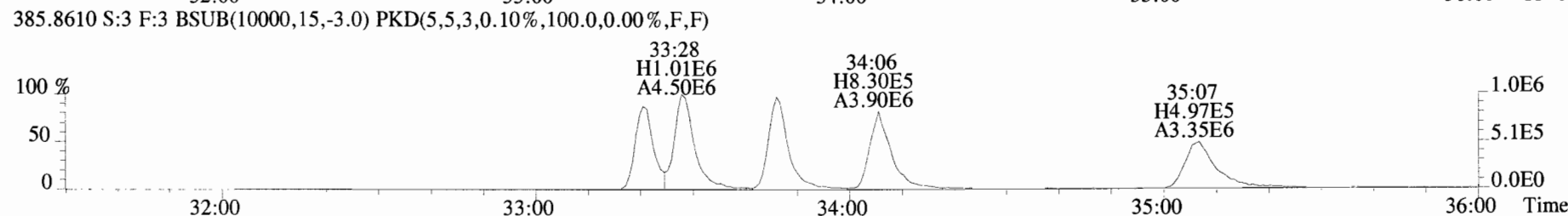
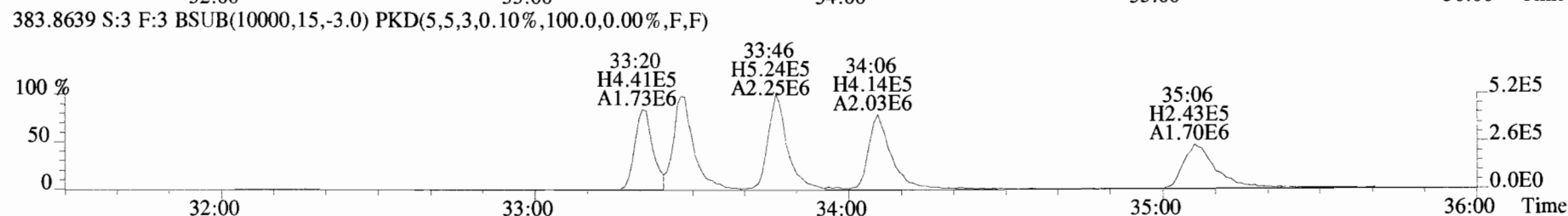
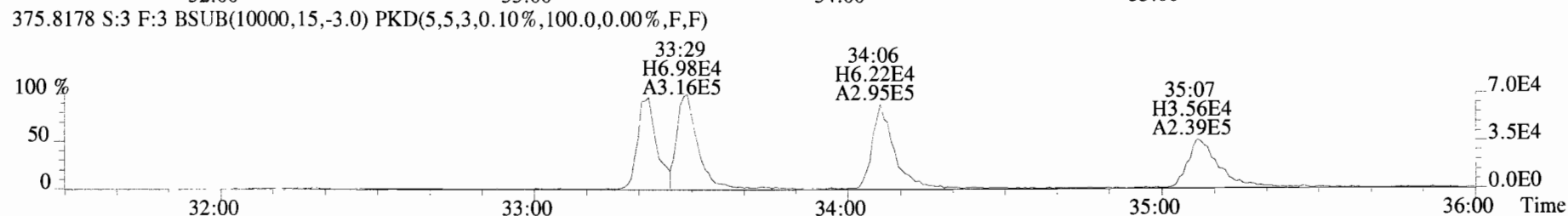
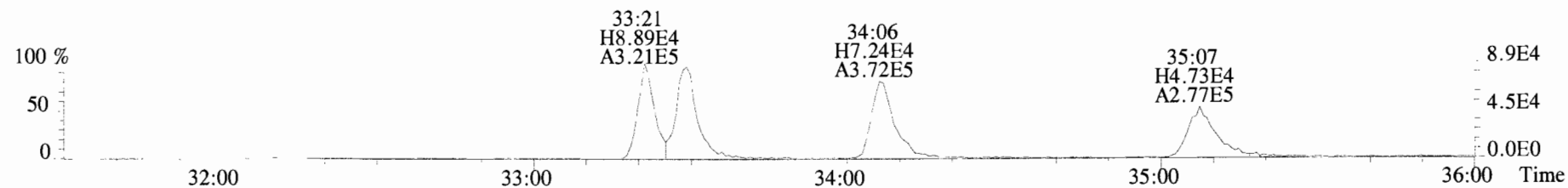
316.9824 S:3



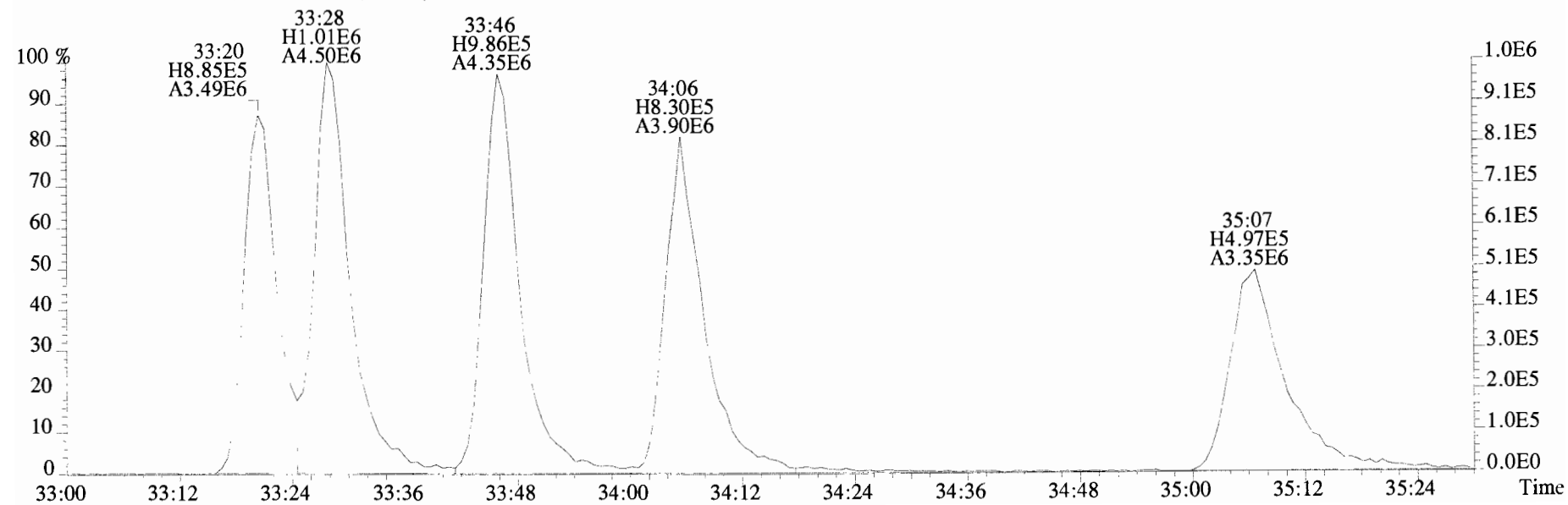
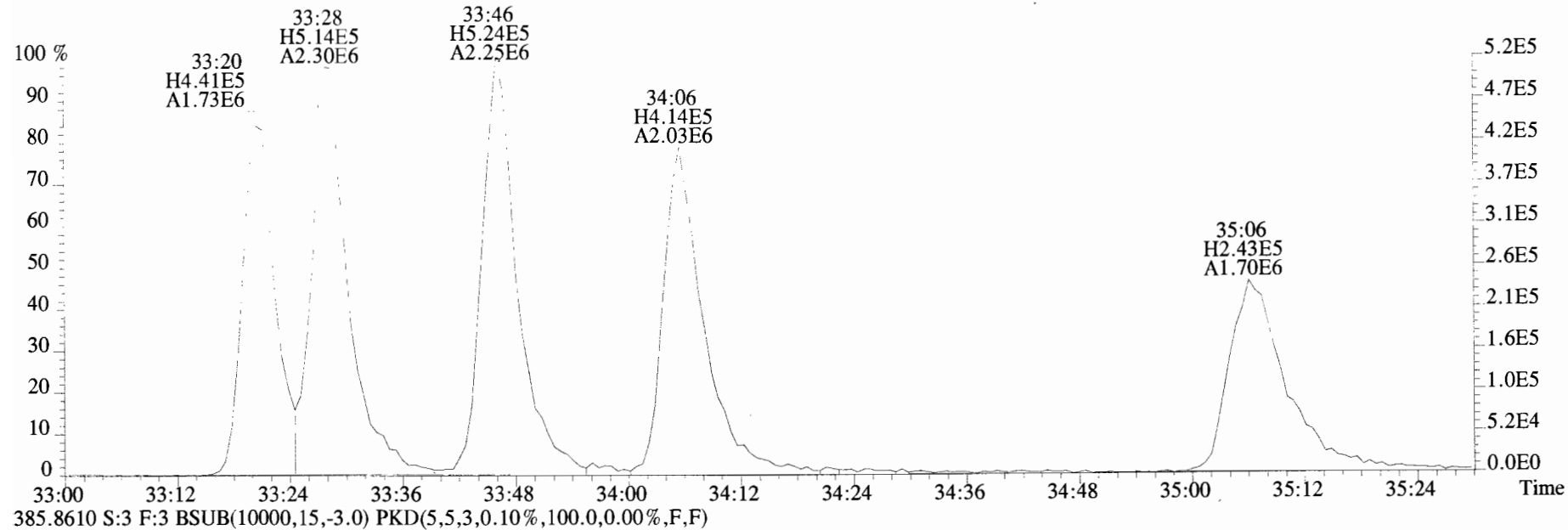
File:191009D1 #1-211 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
339.8597 S:3 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



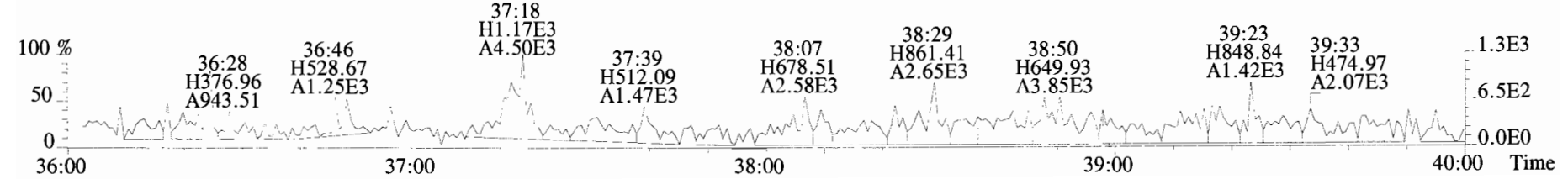
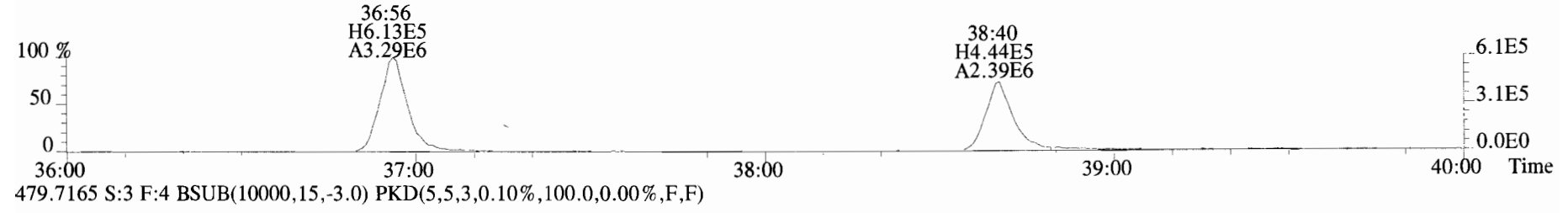
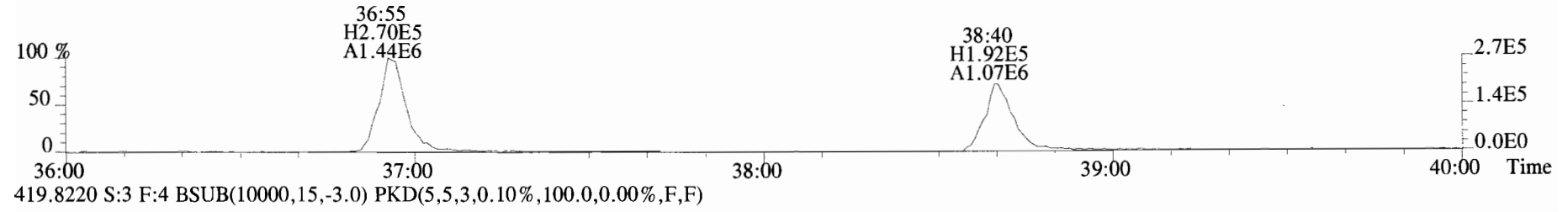
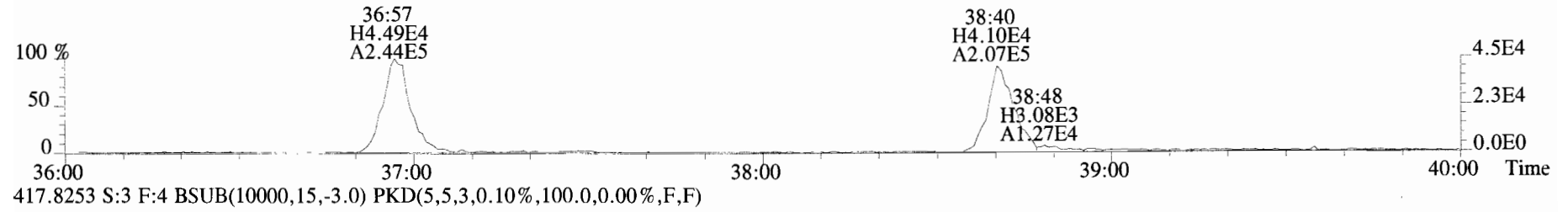
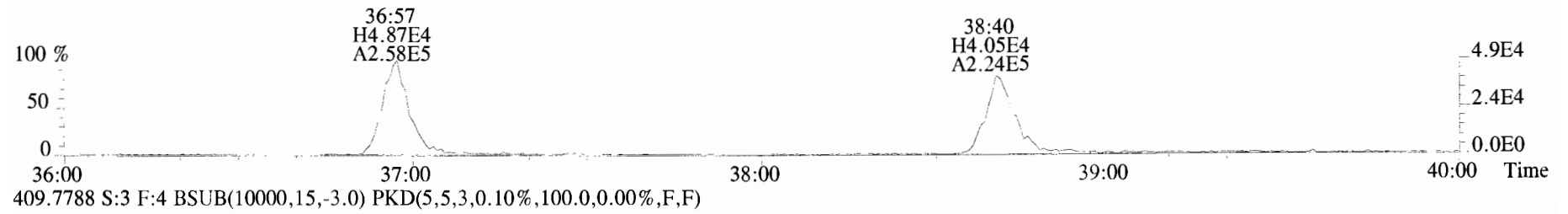
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 373.8207 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



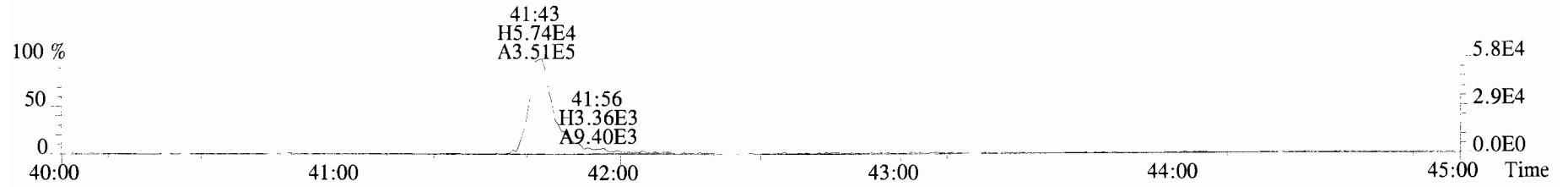
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
383.8639 S:3 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



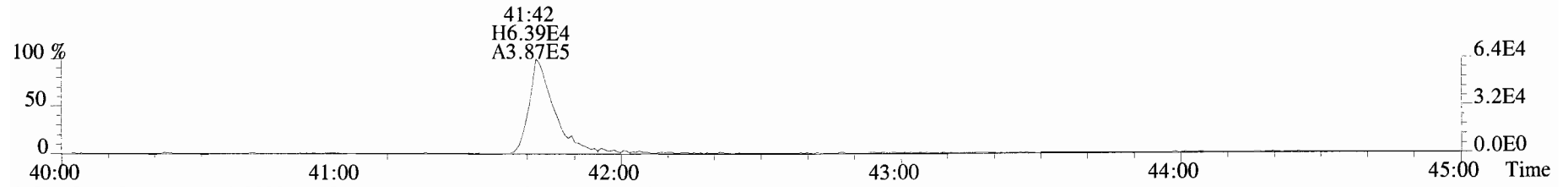
File:191009D1 #1-355 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#3 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
 407.7818 S:3 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



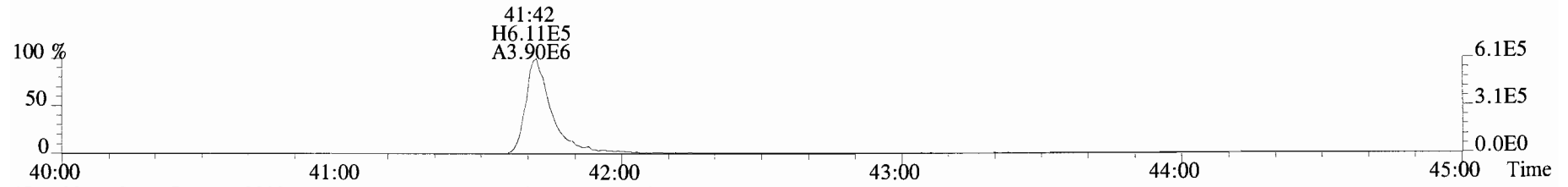
File:191009D1 #1-432 Acq: 9-OCT-2019 17:48:27 GC EI+ Voltage SIR Autospec-UltimaE
Sample#3 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-3 1613 CS2 19C2203 Exp:OCDD_DB5
441.7428 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



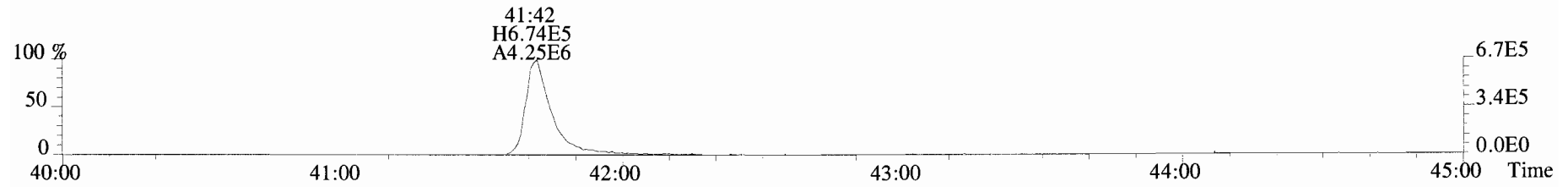
443.7398 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



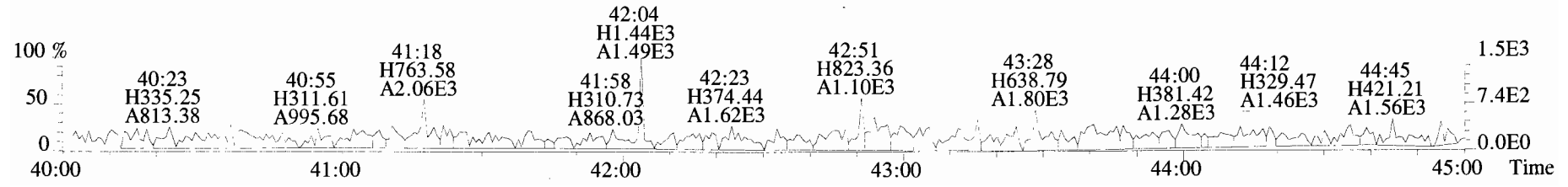
453.7831 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



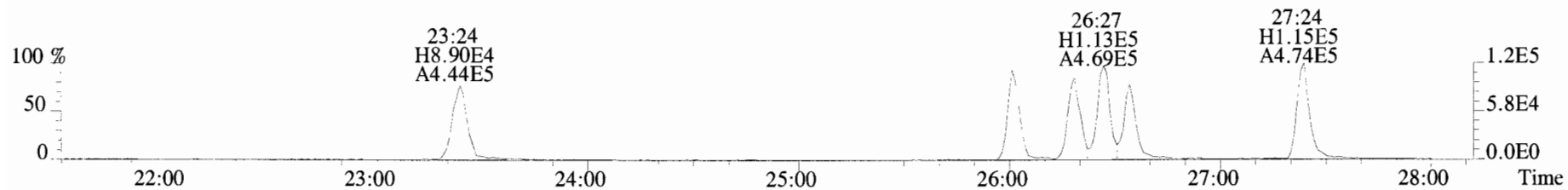
455.7801 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



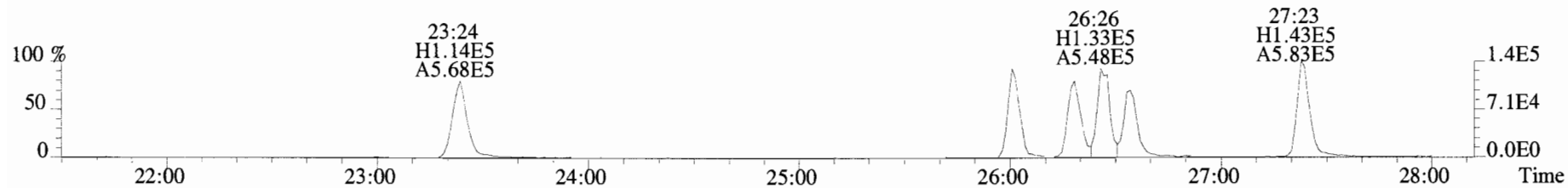
513.6775 S:3 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



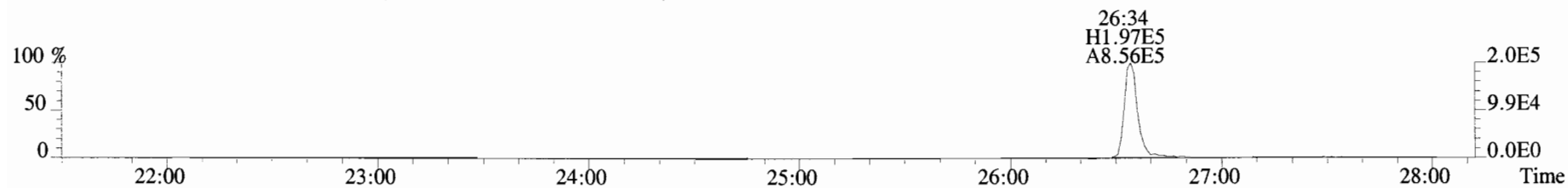
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
319.8965 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



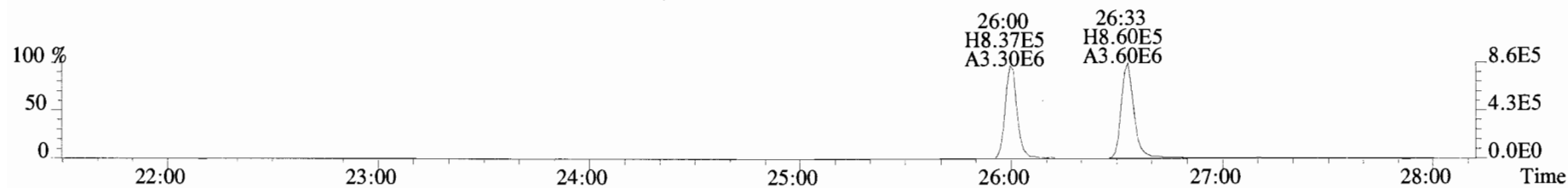
321.8936 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



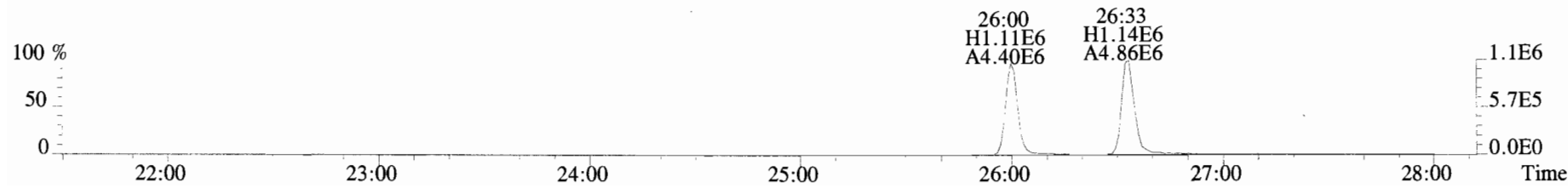
327.8847 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



331.9368 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



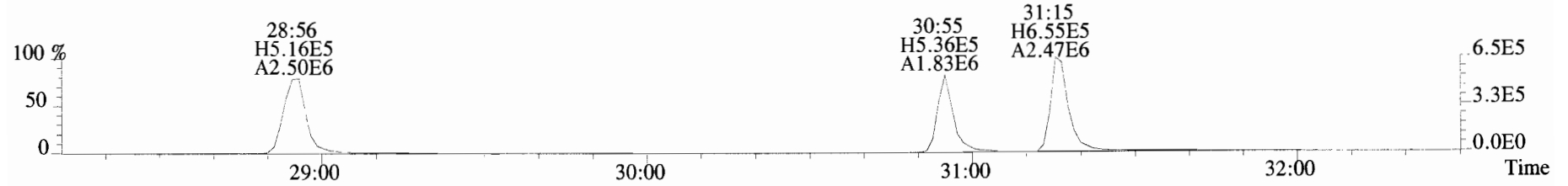
333.9339 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



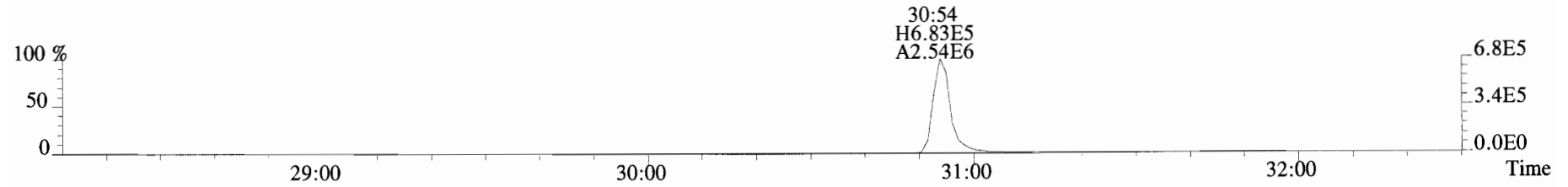
File:191009D1 #1-211 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
353.8576 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



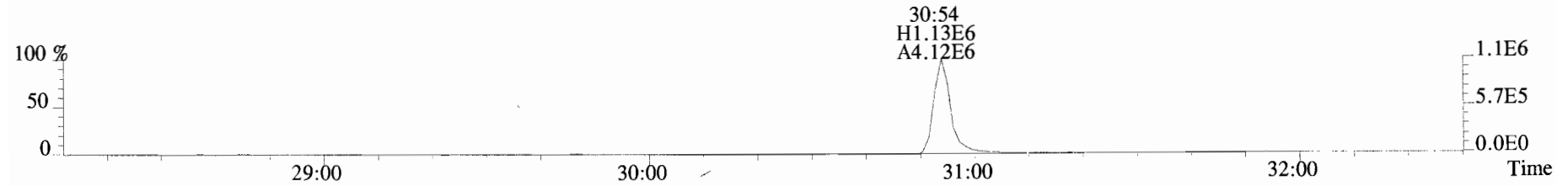
355.8546 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



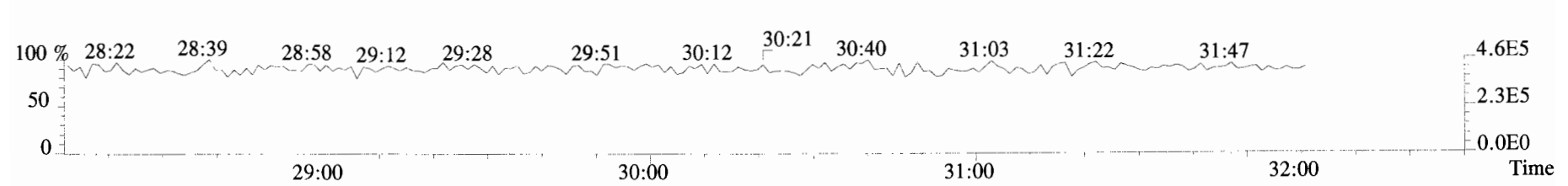
365.8978 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



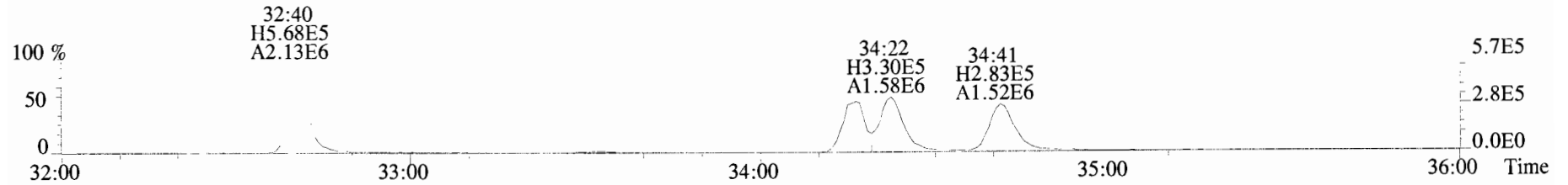
367.8949 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



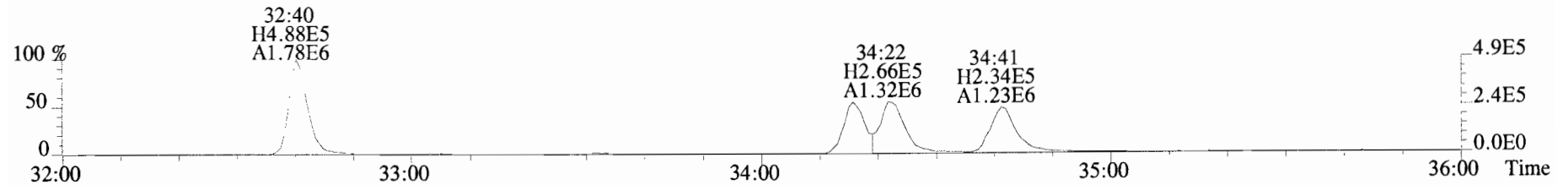
366.9792 S:4 F:2



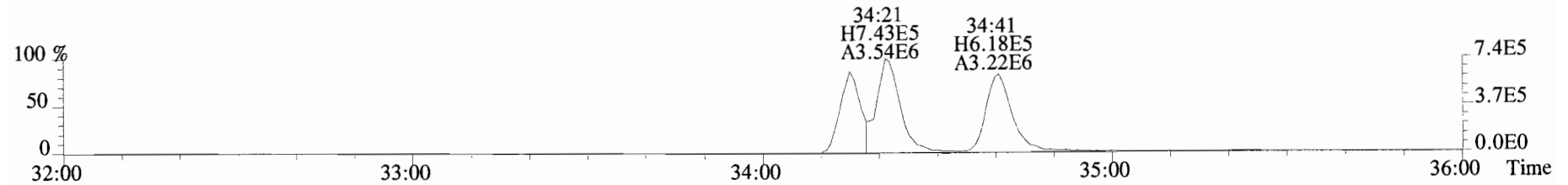
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
389.8156 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



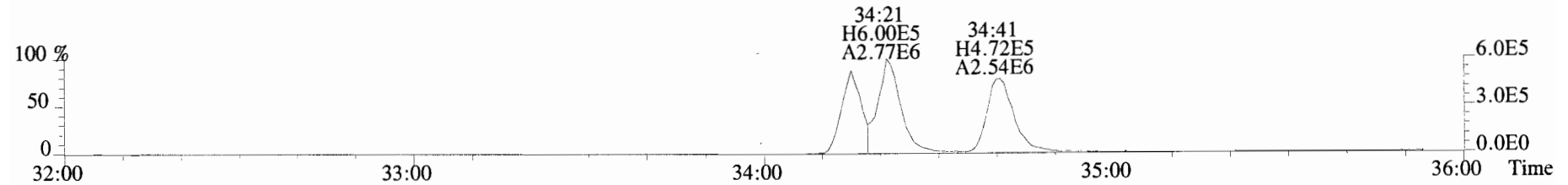
391.8127 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



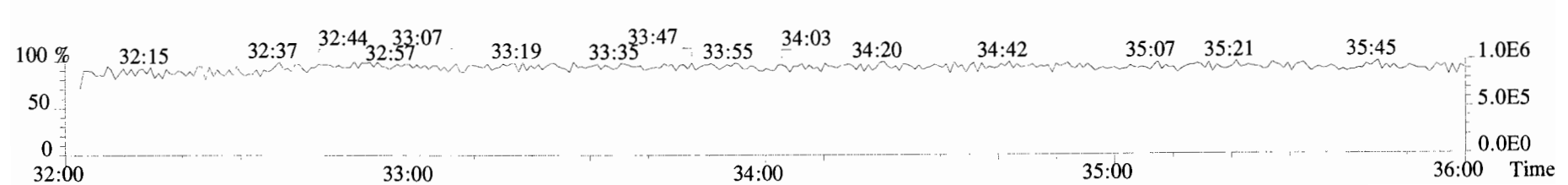
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



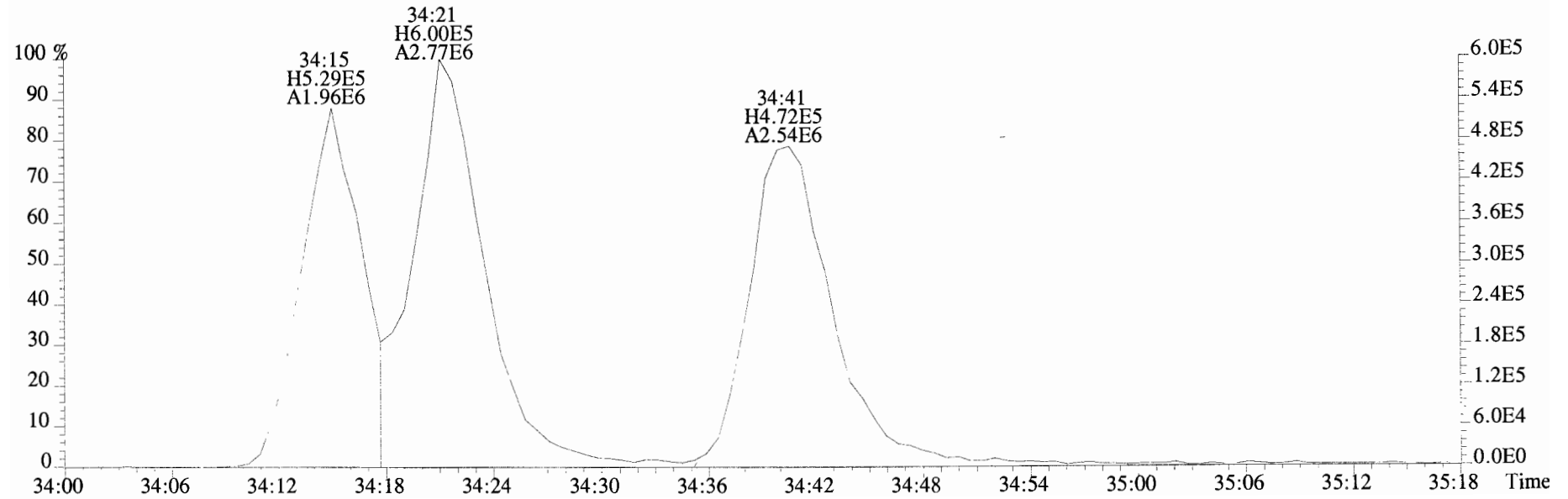
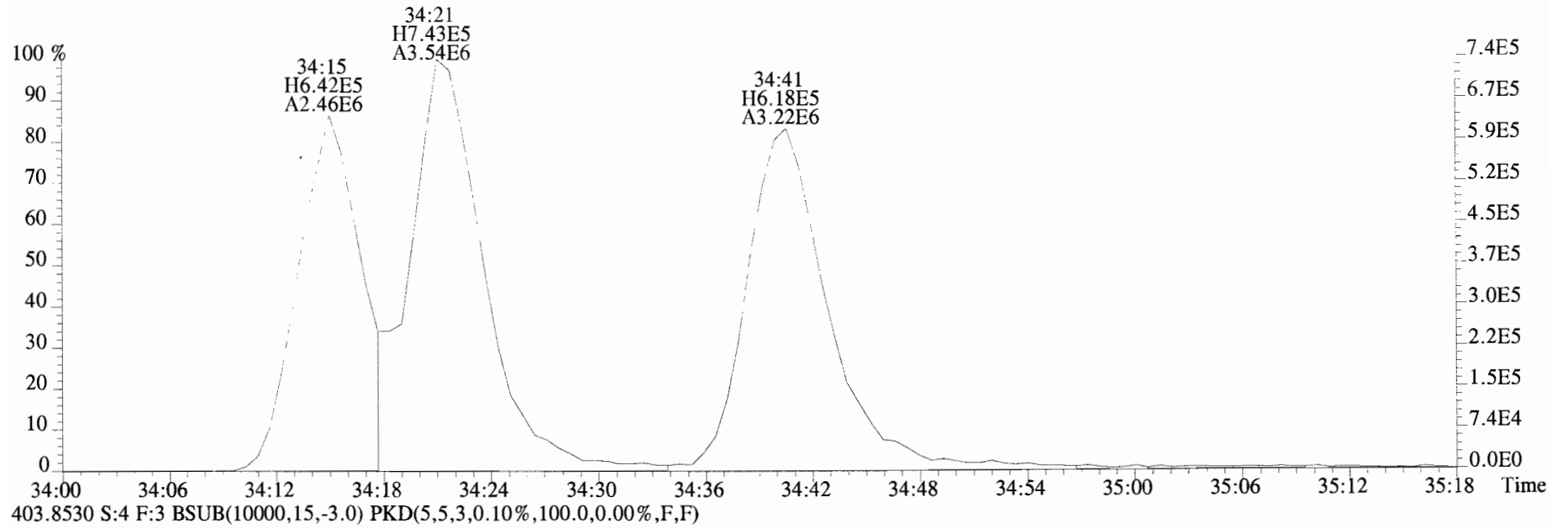
403.8530 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



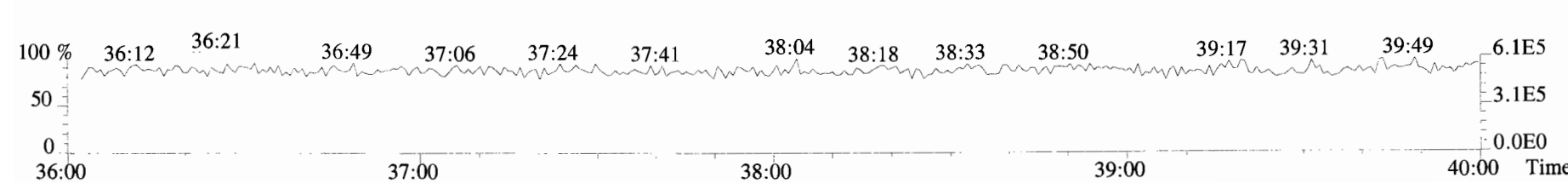
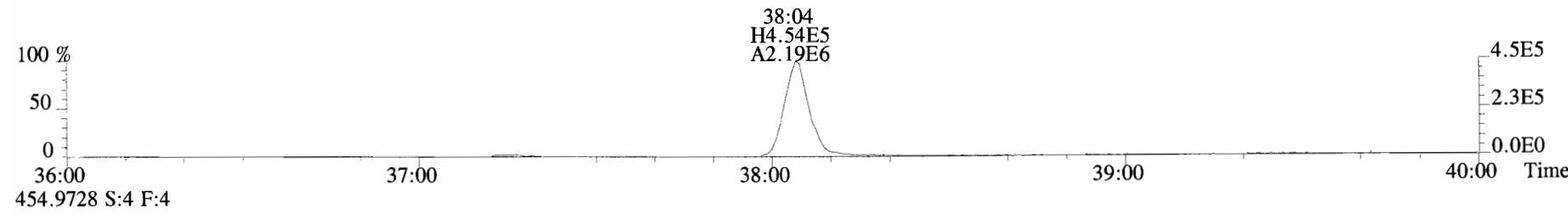
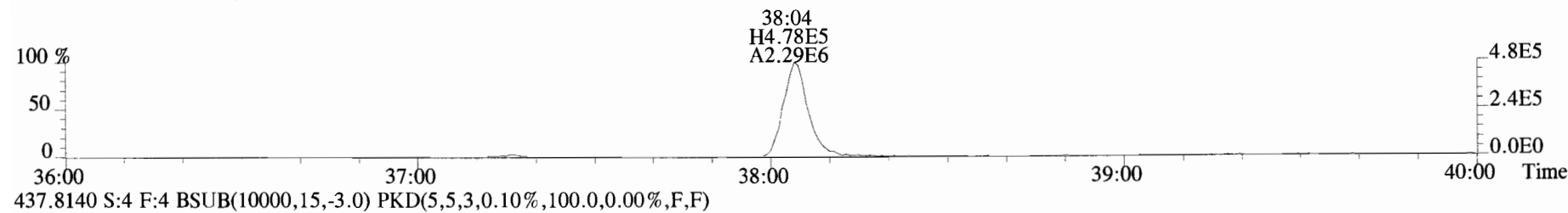
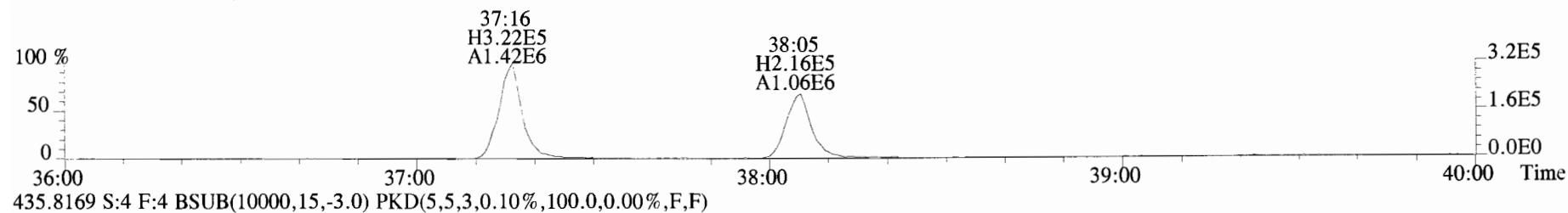
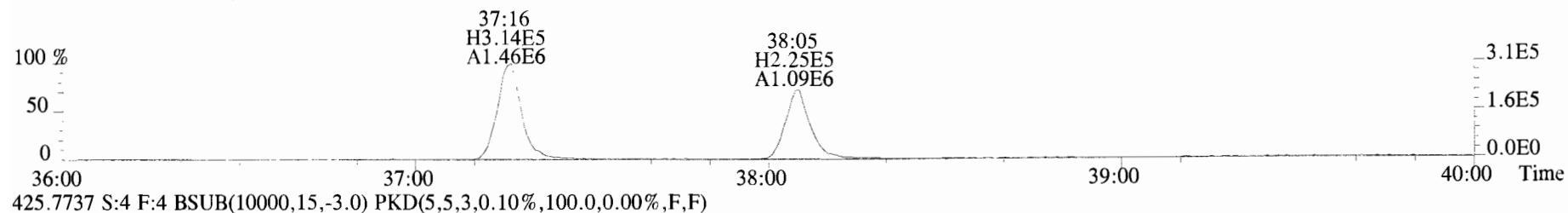
392.9760 S:4 F:3



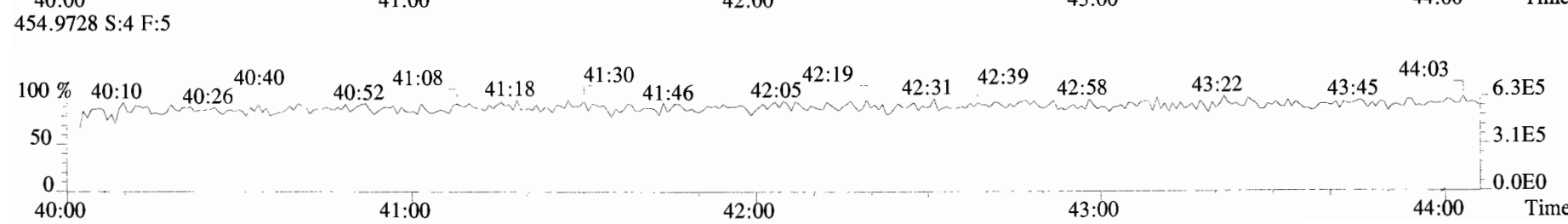
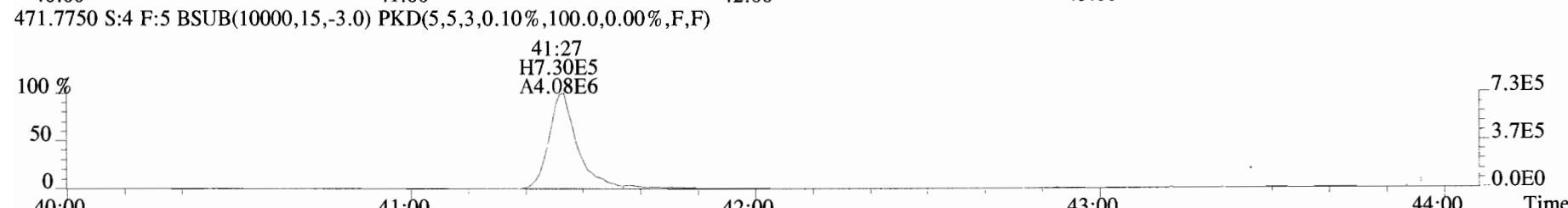
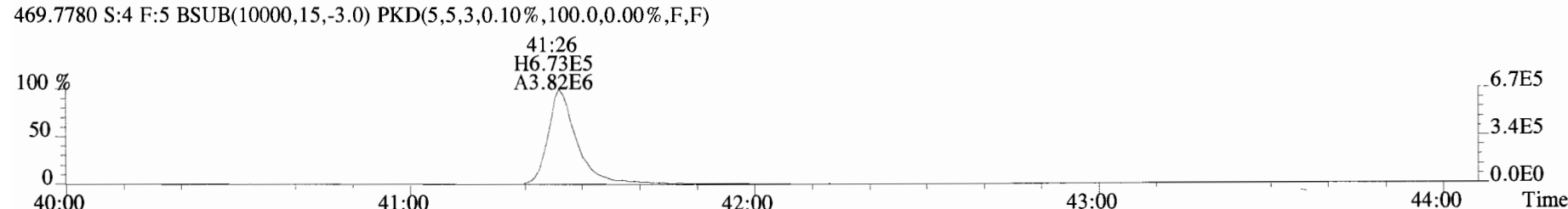
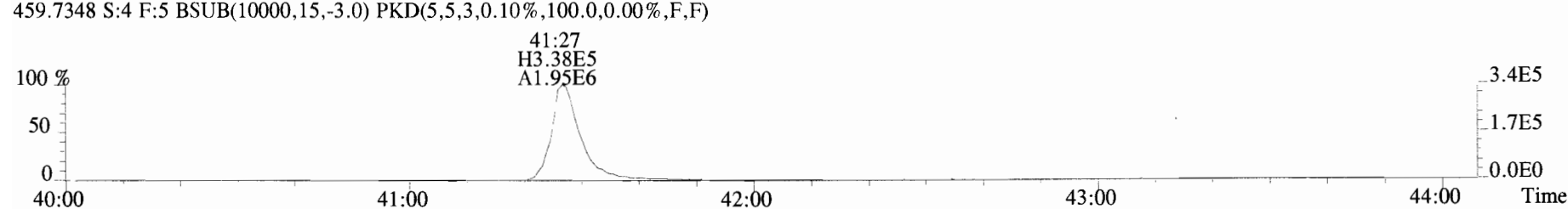
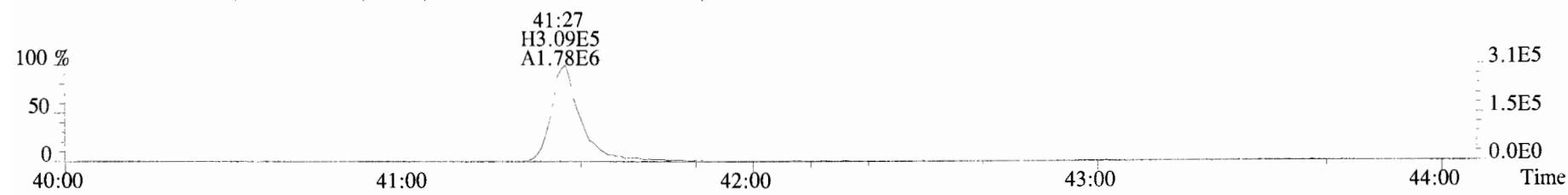
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
401.8559 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



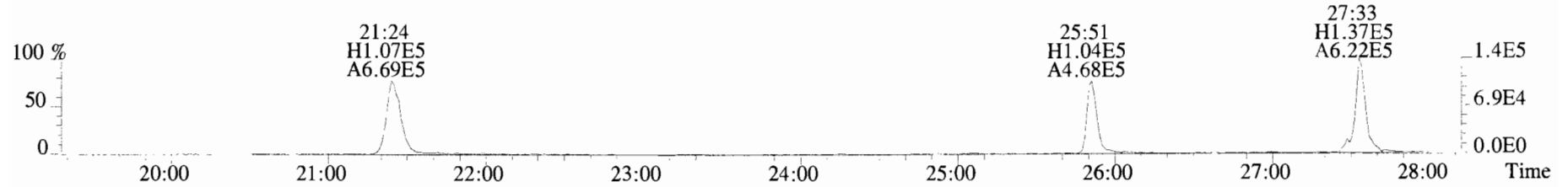
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
423.7767 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



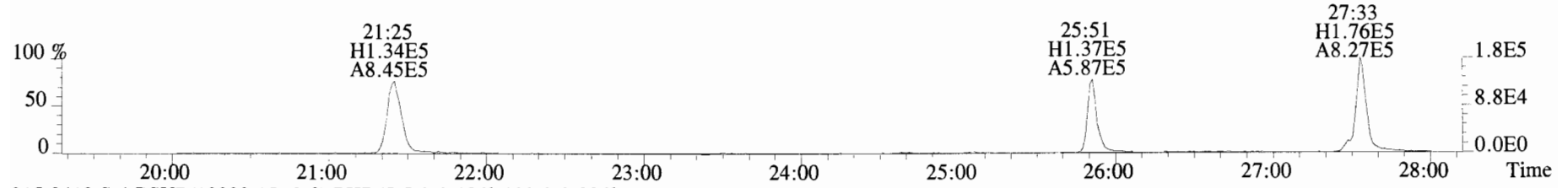
File:191009D1 #1-432 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
457.7377 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



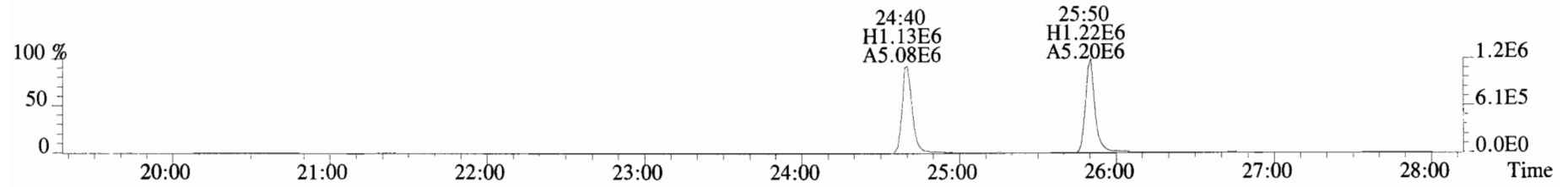
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 303.9016 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



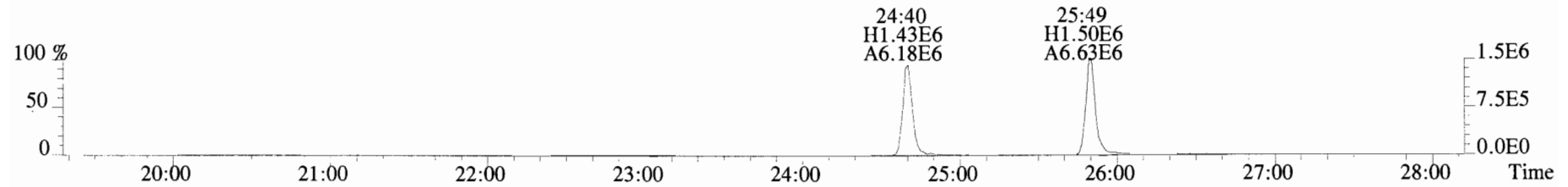
305.8987 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



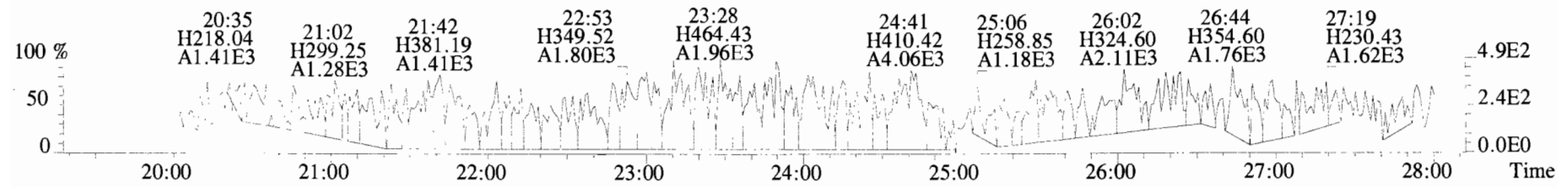
315.9419 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



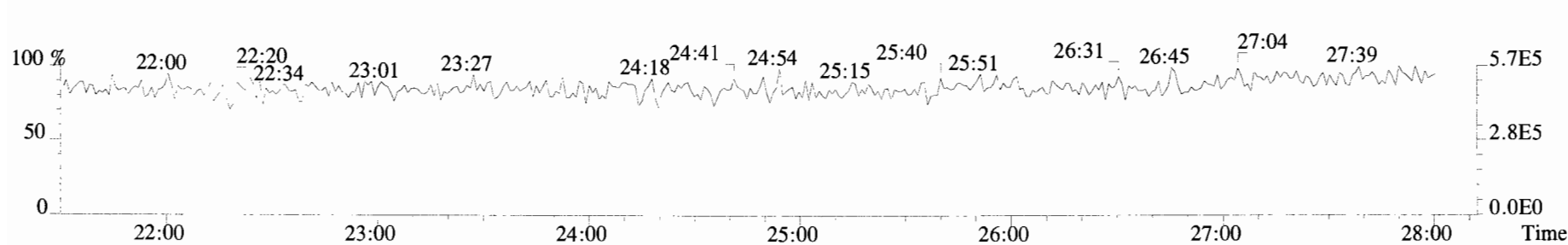
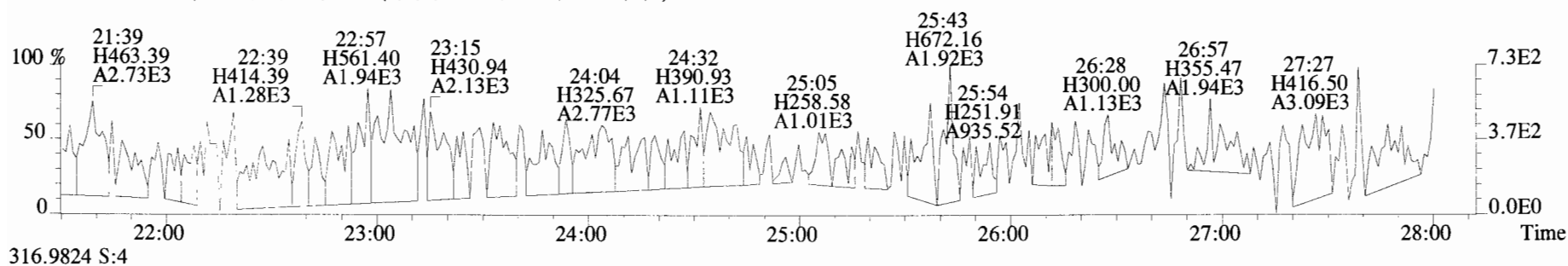
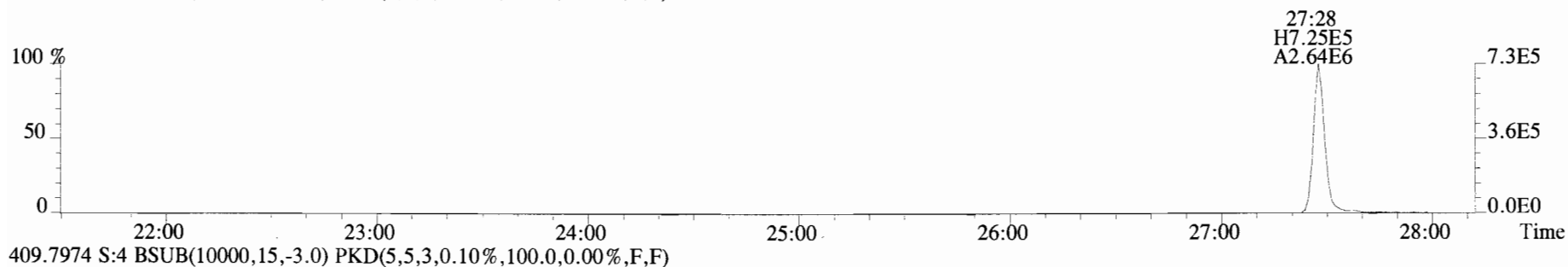
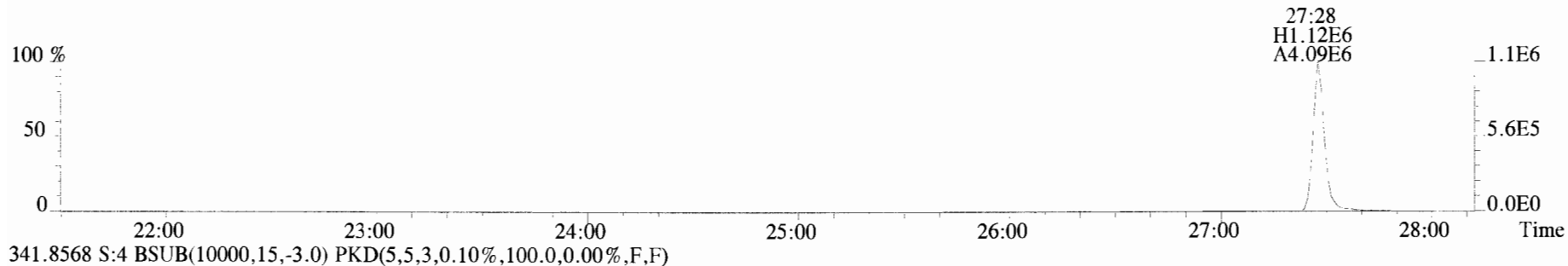
317.9389 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



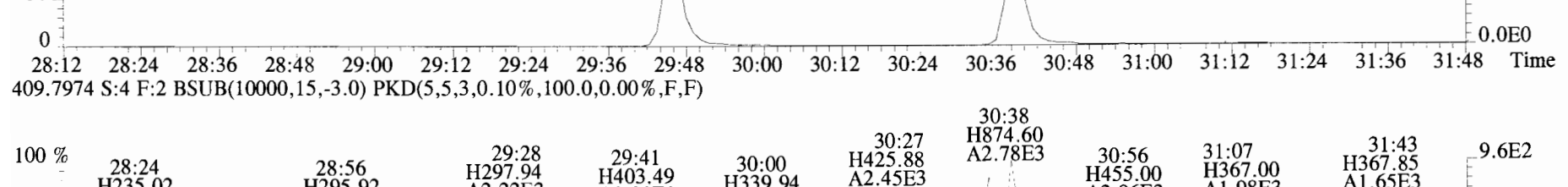
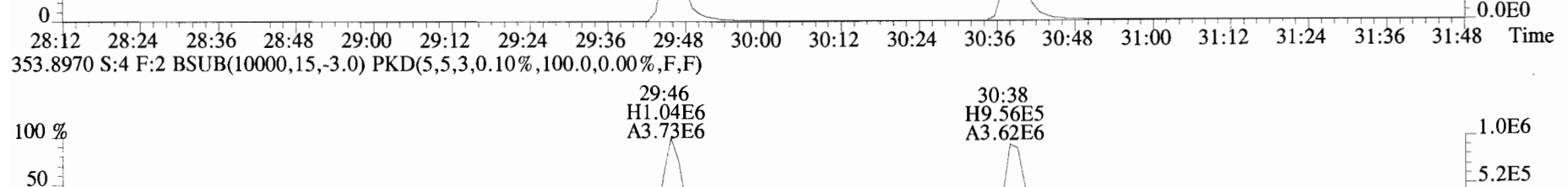
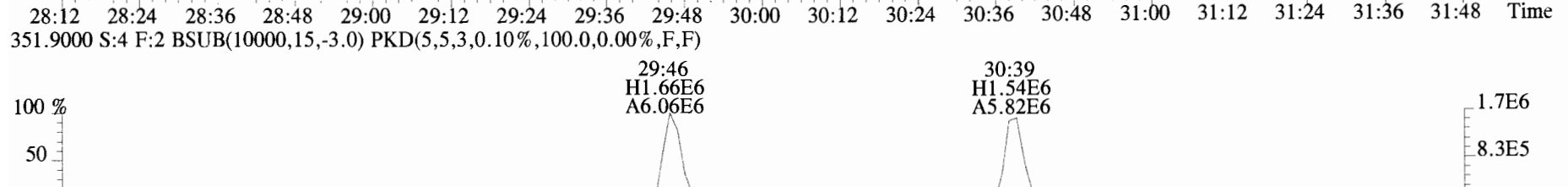
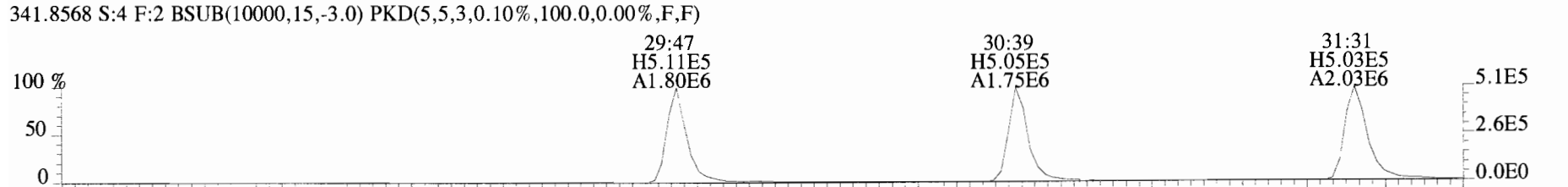
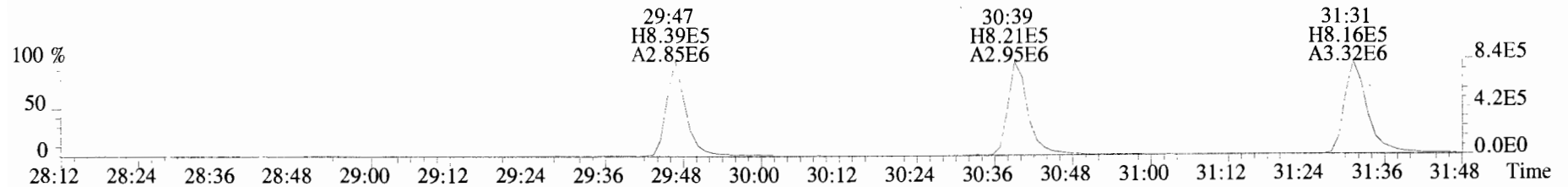
375.8364 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



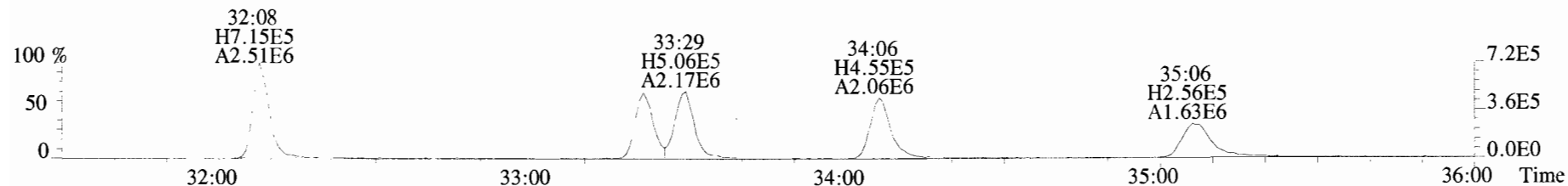
File:191009D1 #1-513 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 339.8597 S:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



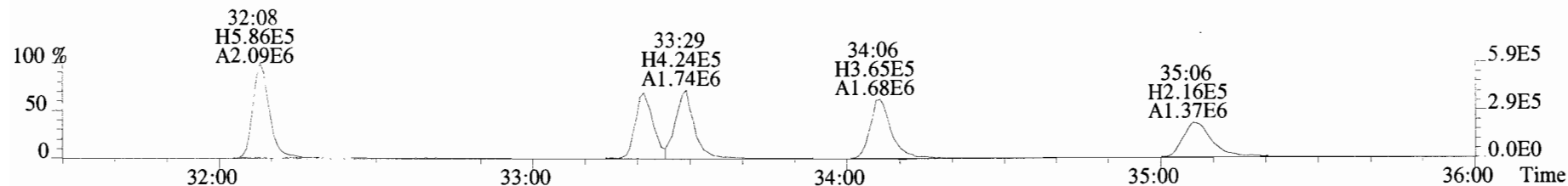
File:191009D1 #1-211 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
339.8597 S:4 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



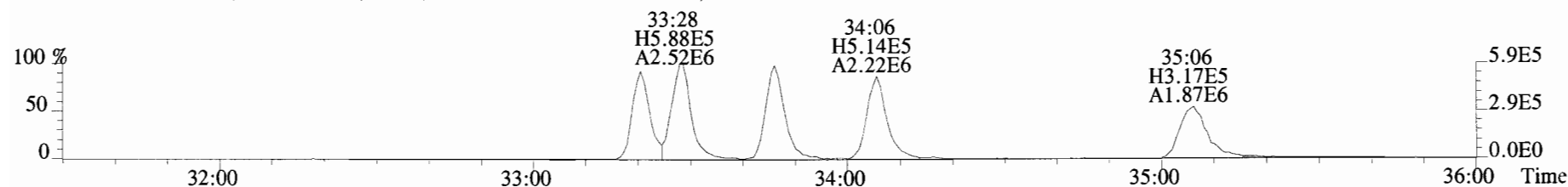
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 373.8207 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



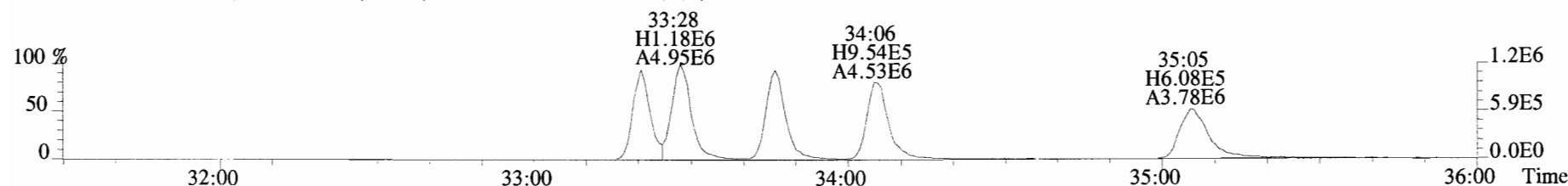
375.8178 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



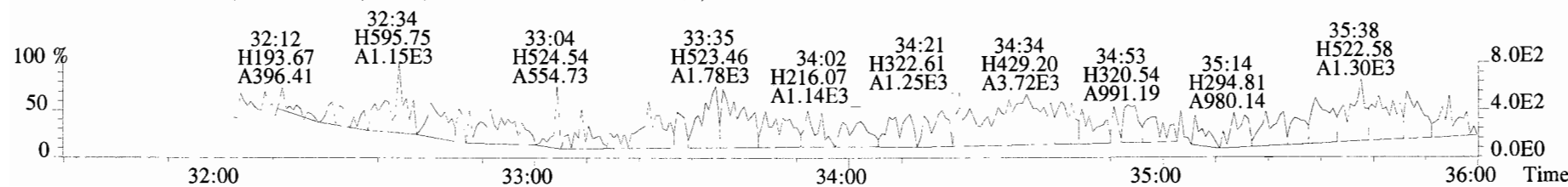
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



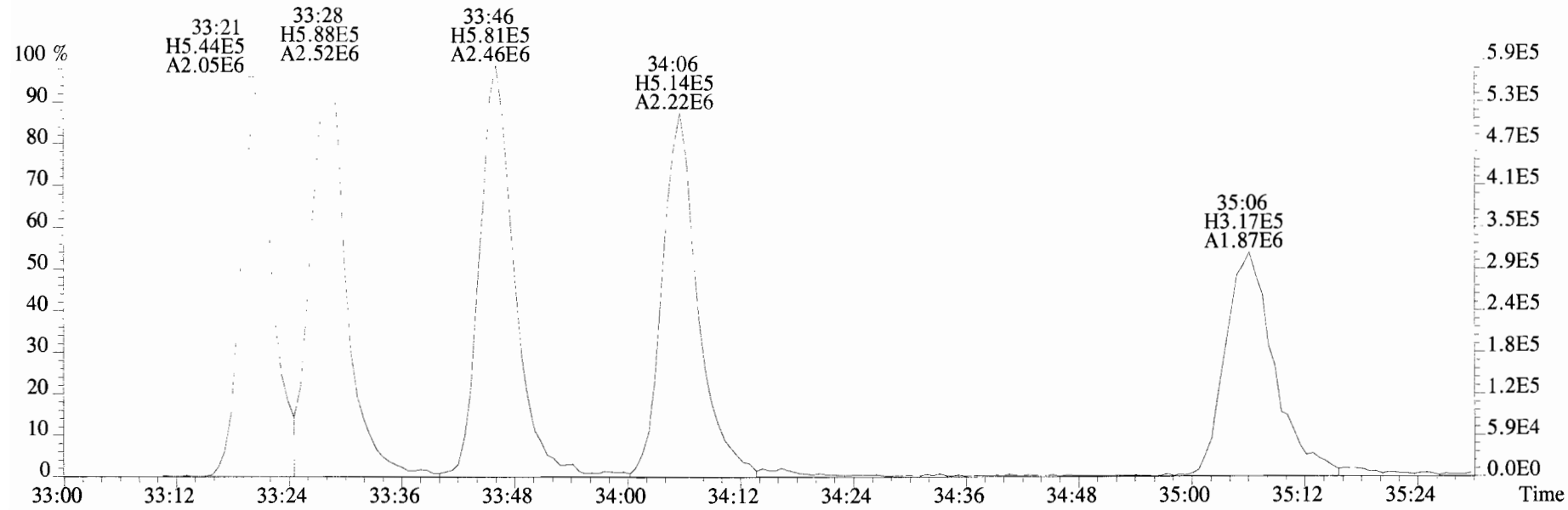
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



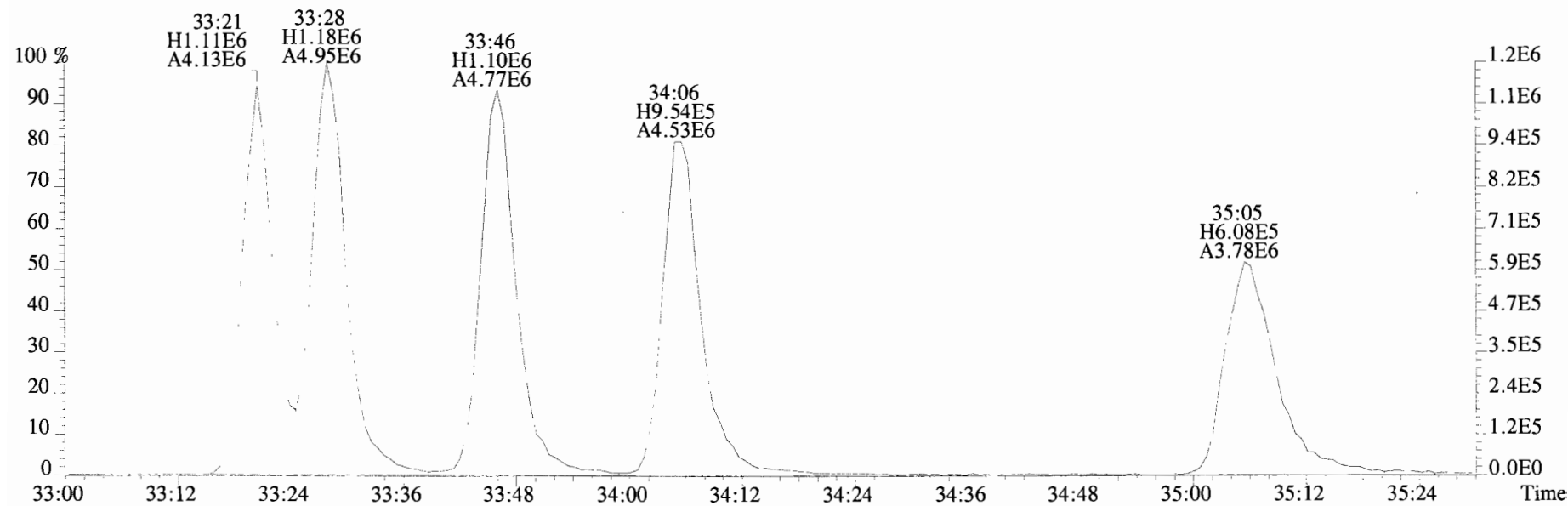
445.7555 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



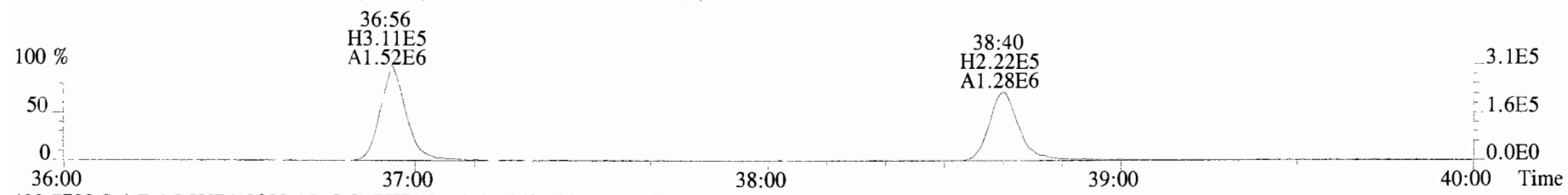
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
383.8639 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



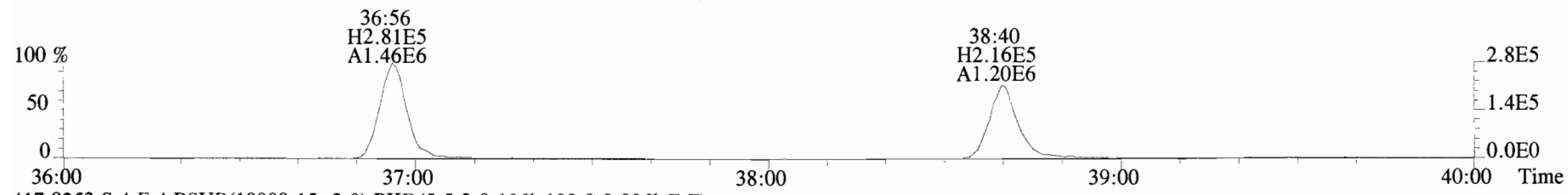
385.8610 S:4 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



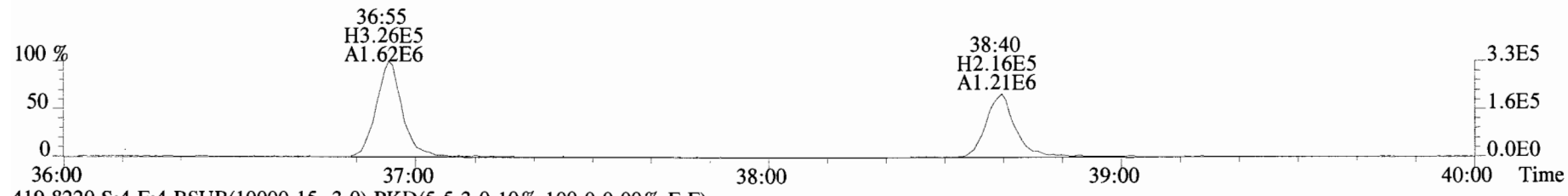
File:191009D1 #1-355 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#4 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
 407.7818 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



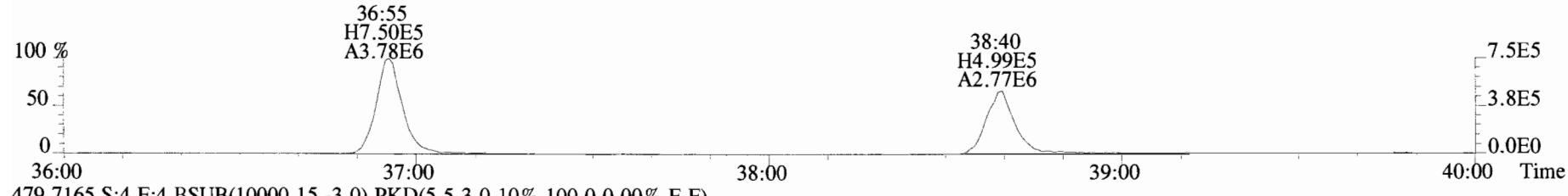
409.7788 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



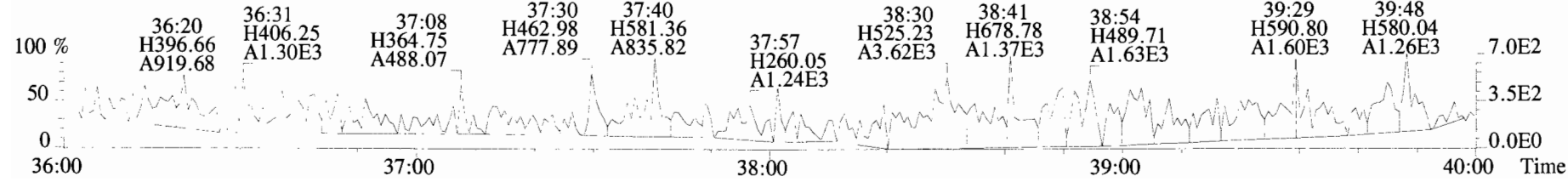
417.8253 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



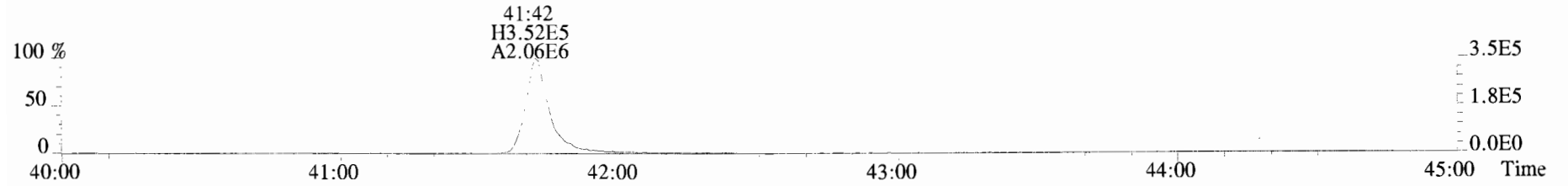
419.8220 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



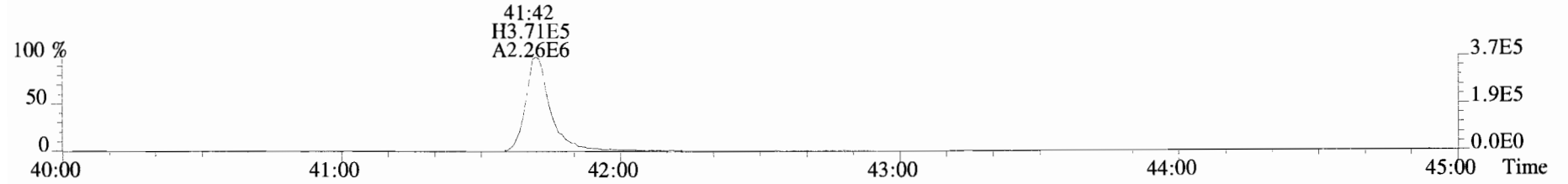
479.7165 S:4 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



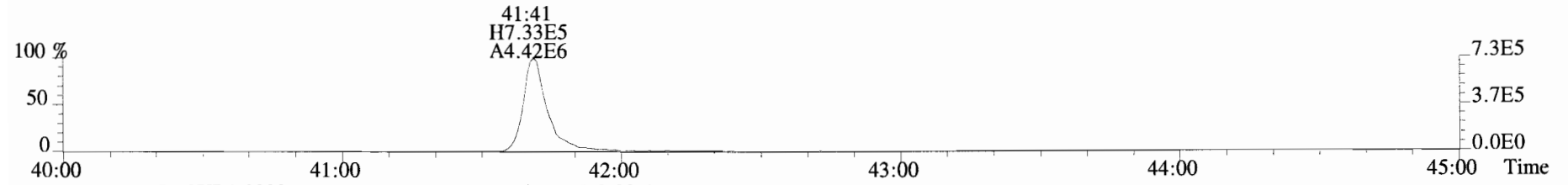
File:191009D1 #1-432 Acq: 9-OCT-2019 18:36:09 GC EI+ Voltage SIR Autospec-UltimaE
Sample#4 File Text:Vista Analytical_Laboratory_VG7 Text:ST191009D1-4 1613 CS3 19C2204 Exp:OCDD_DB5
441.7428 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



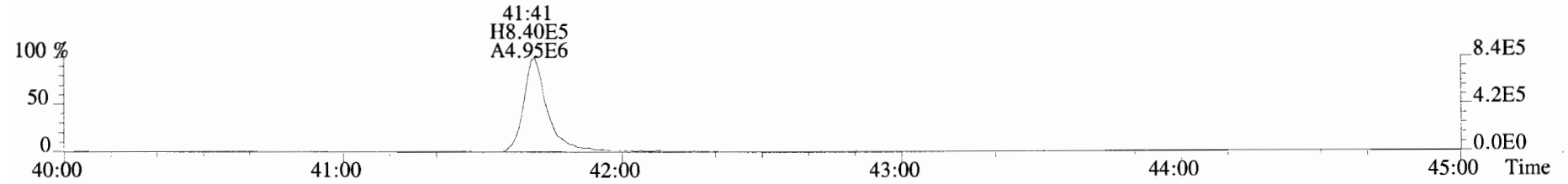
443.7398 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



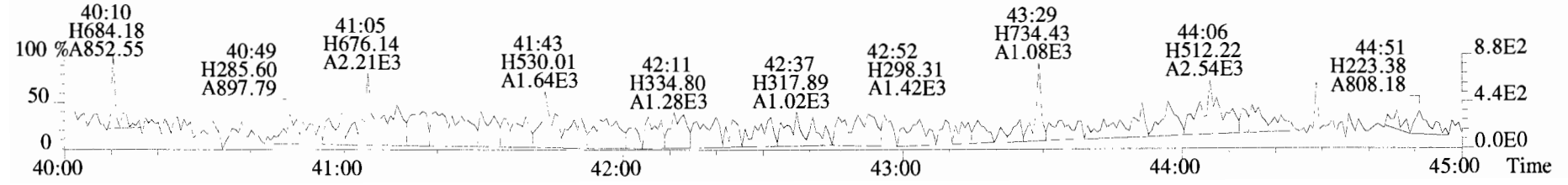
453.7831 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



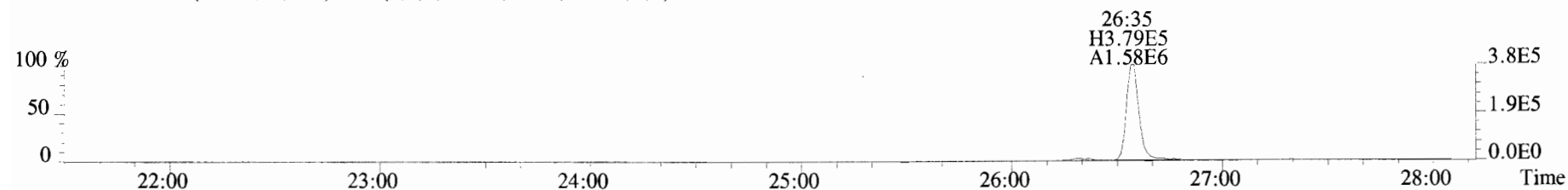
455.7801 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



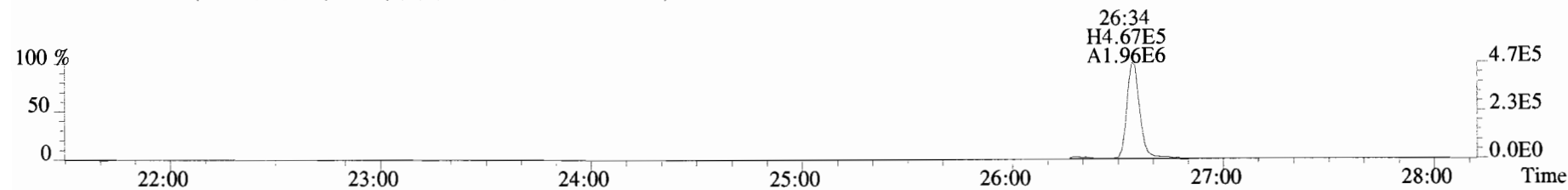
513.6775 S:4 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



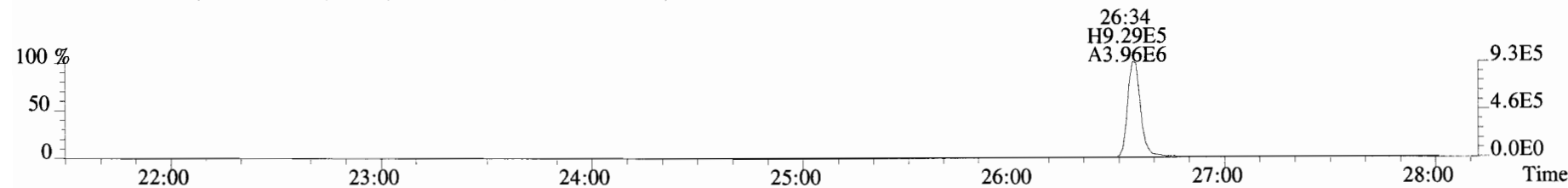
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
319.8965 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



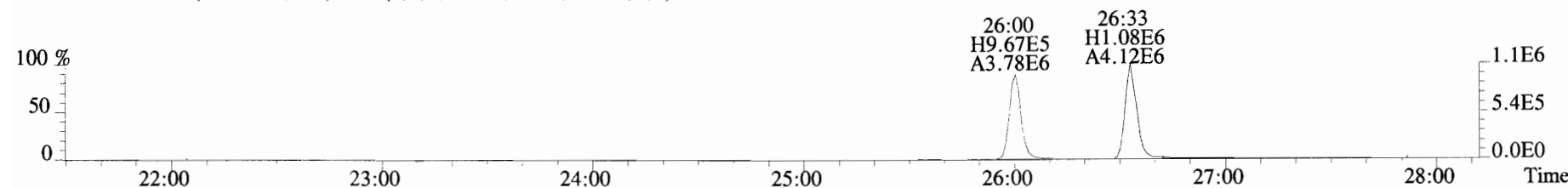
321.8936 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



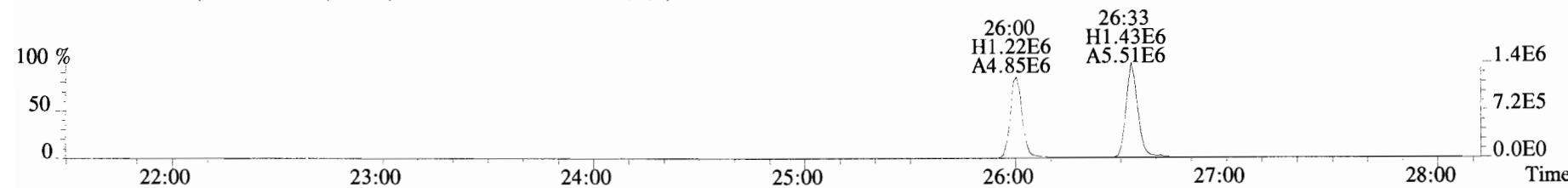
327.8847 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



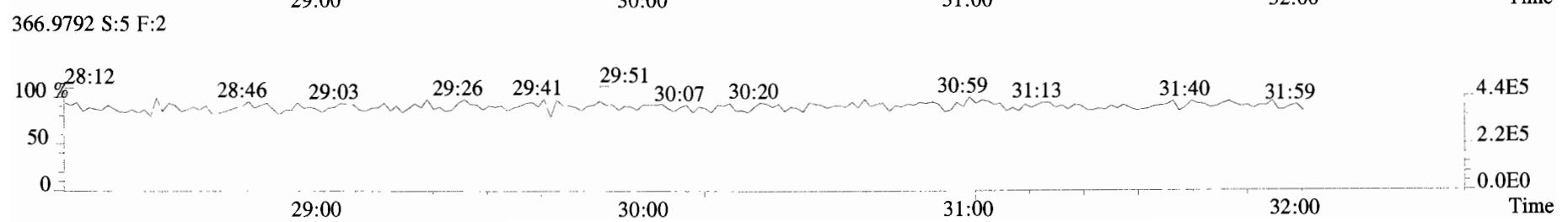
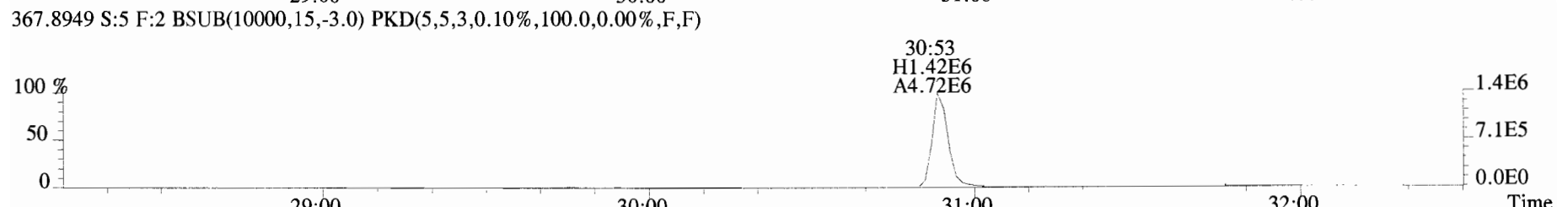
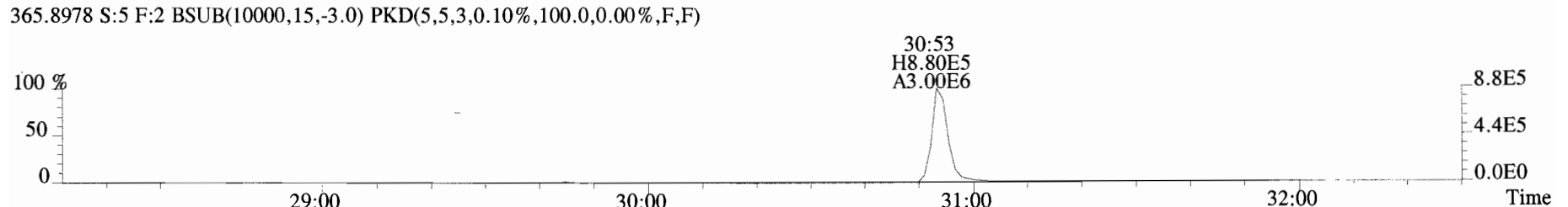
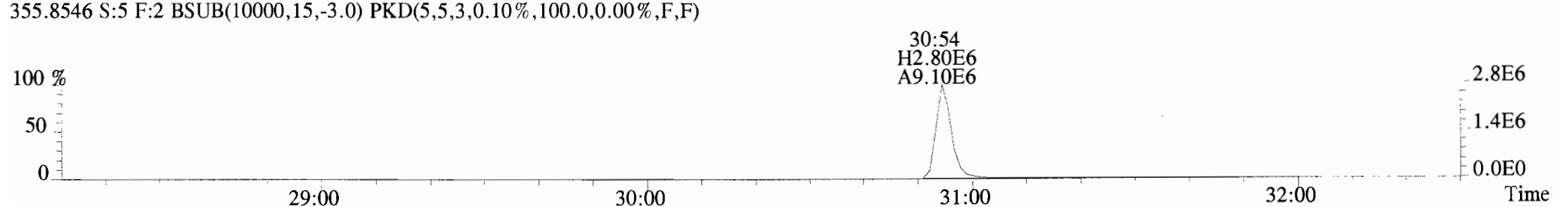
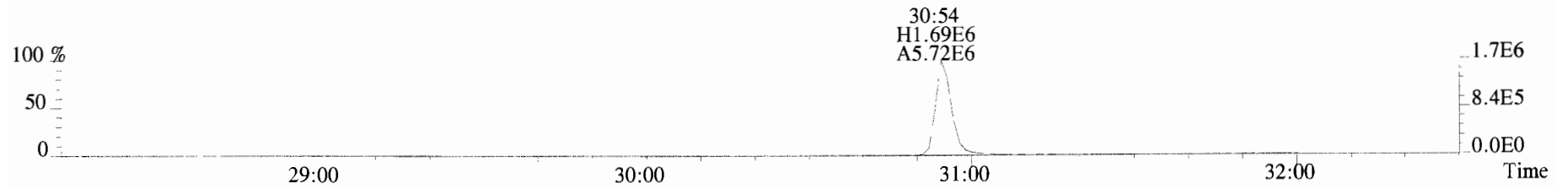
331.9368 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



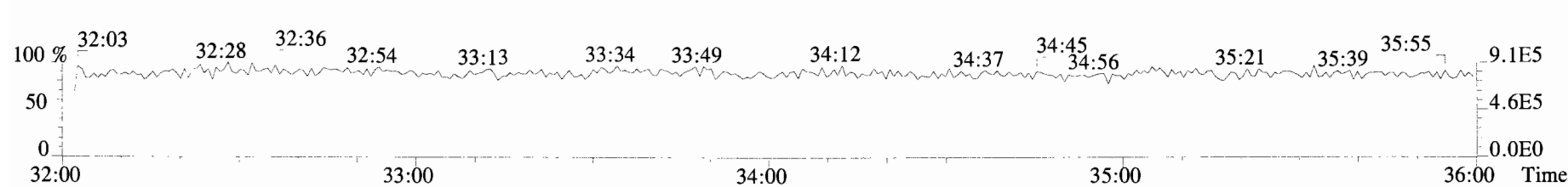
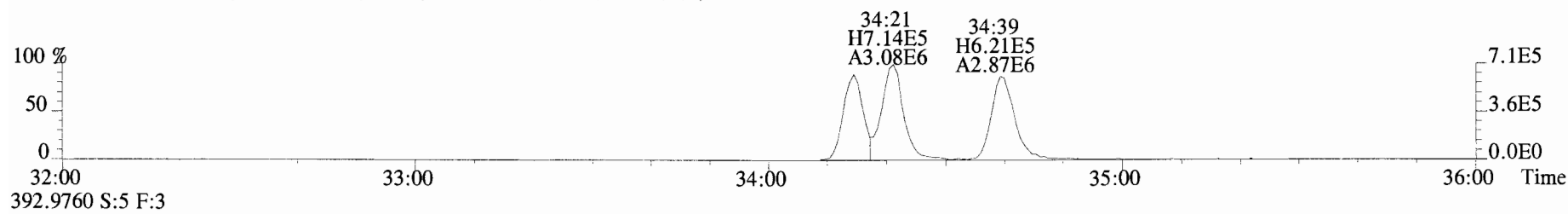
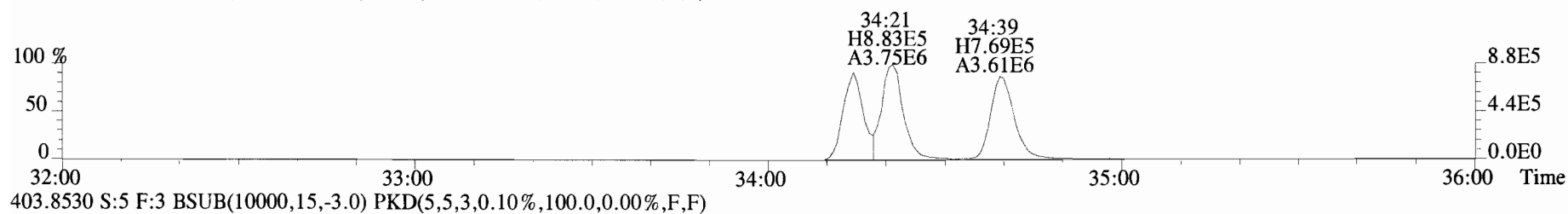
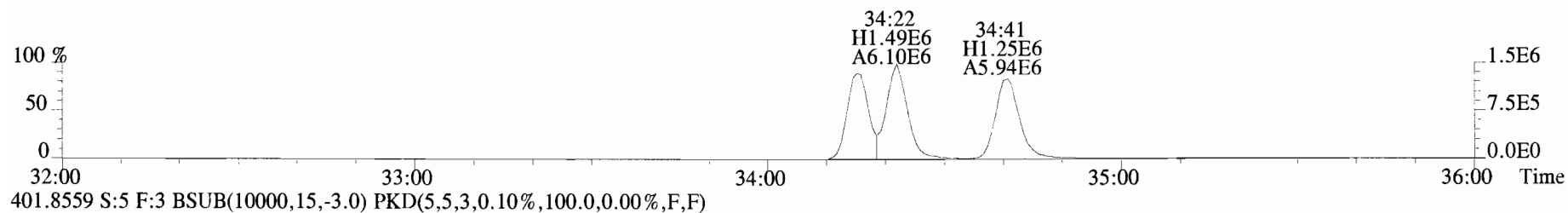
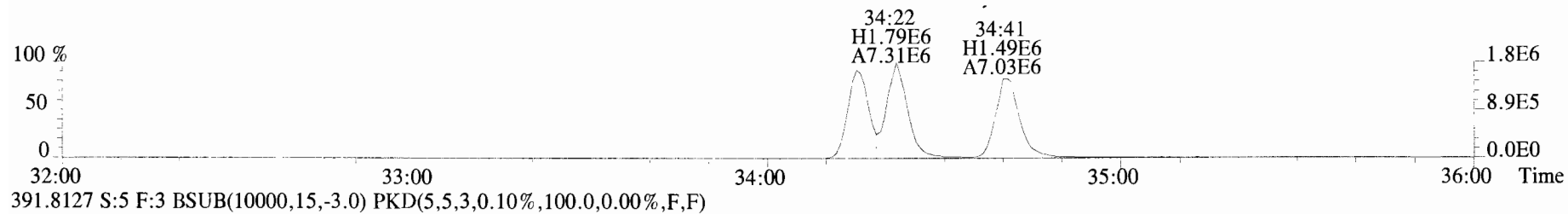
333.9339 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



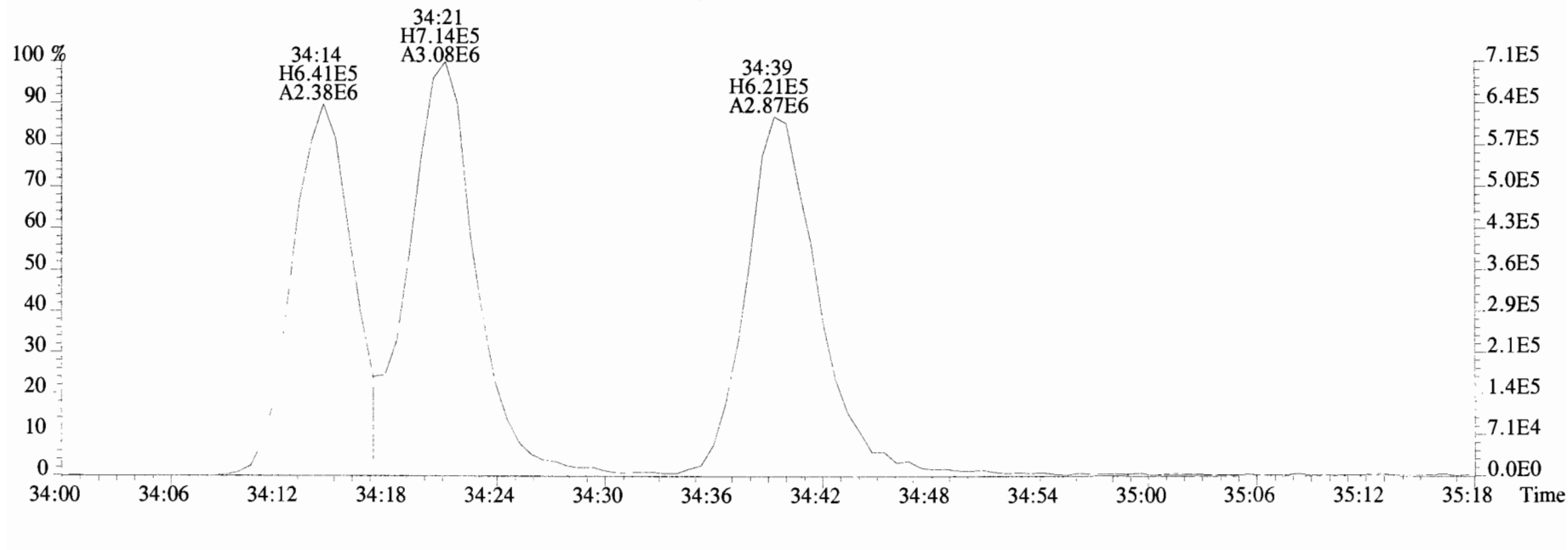
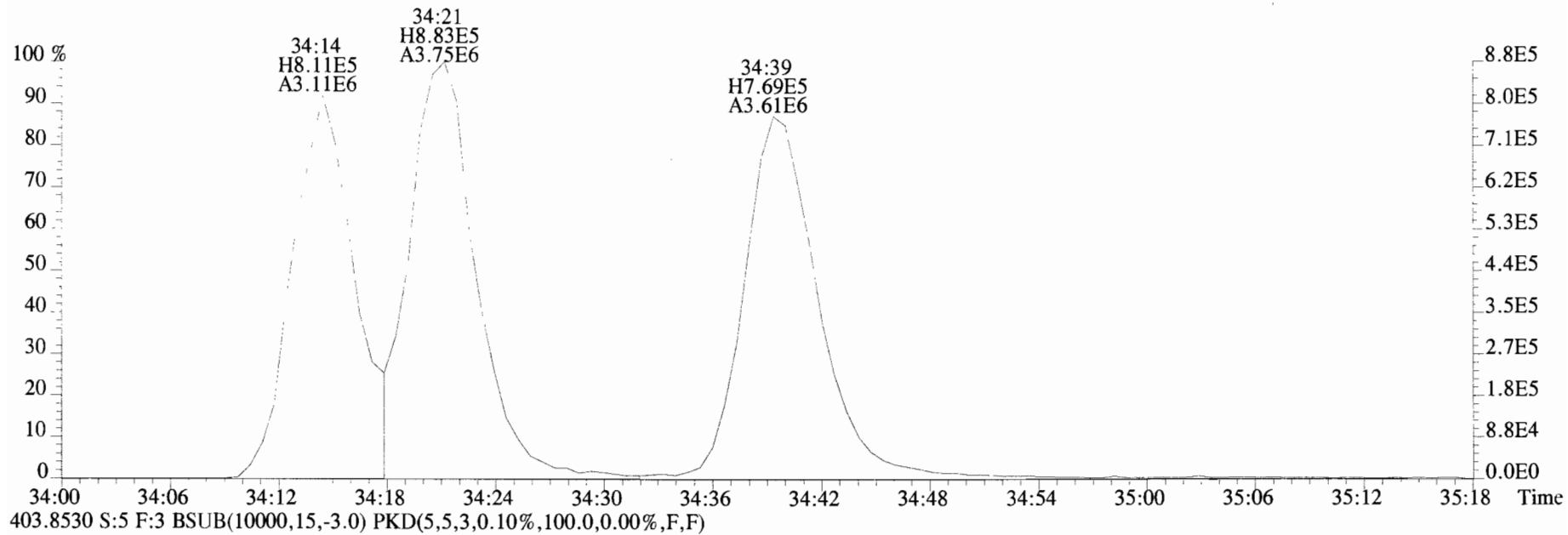
File:191009D1 #1-210 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
353.8576 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



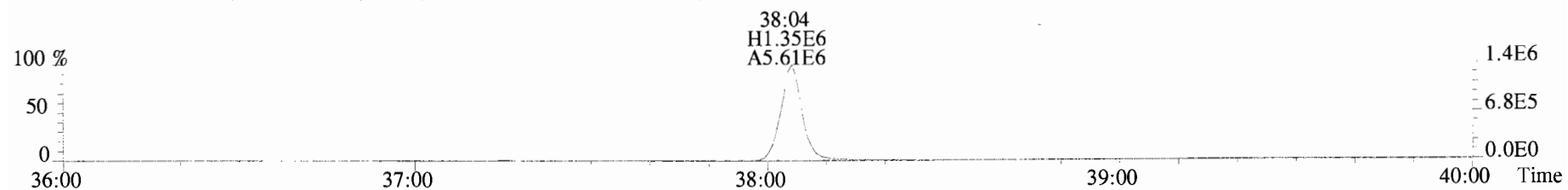
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
389.8156 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



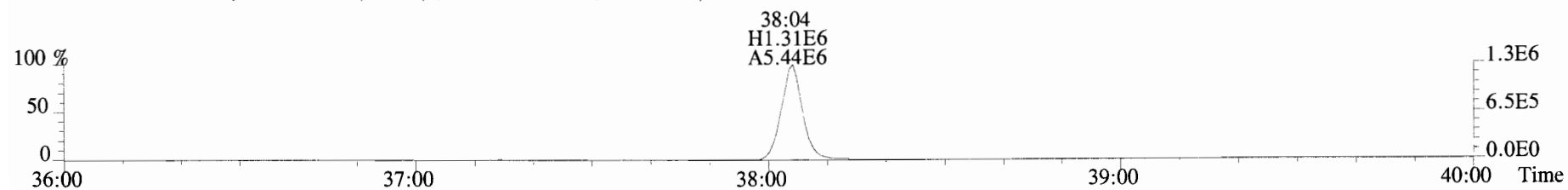
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
401.8559 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



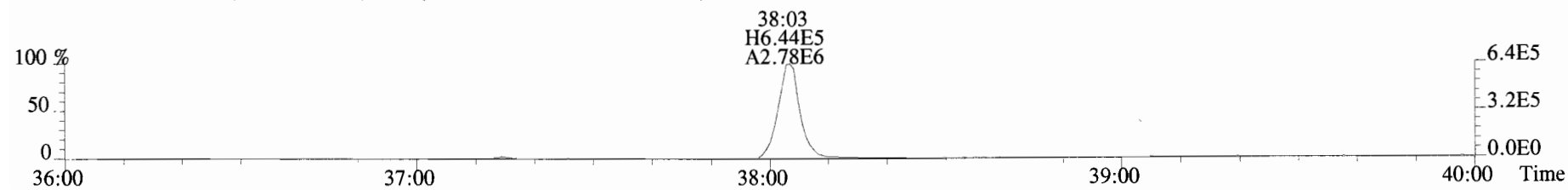
File:191009D1 #1-356 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
423.7767 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



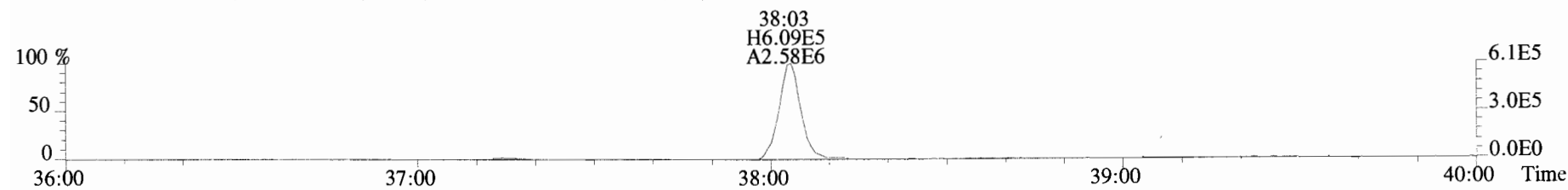
425.7737 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



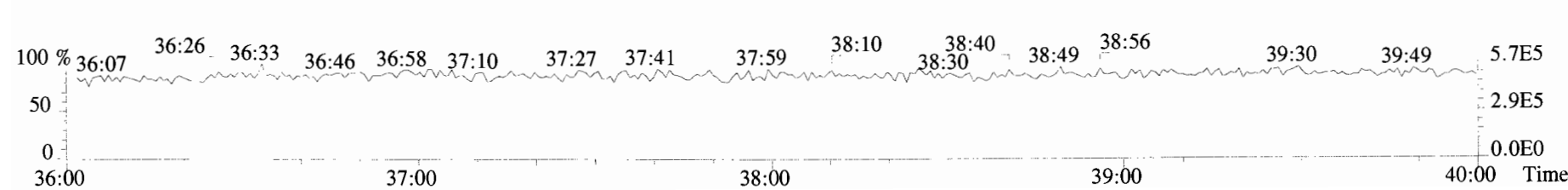
435.8169 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



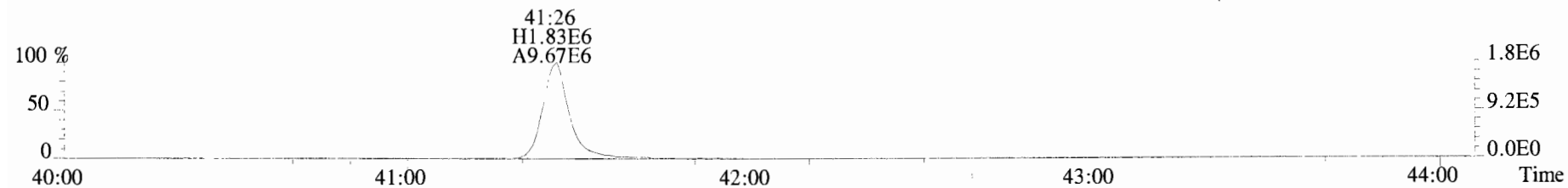
437.8140 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



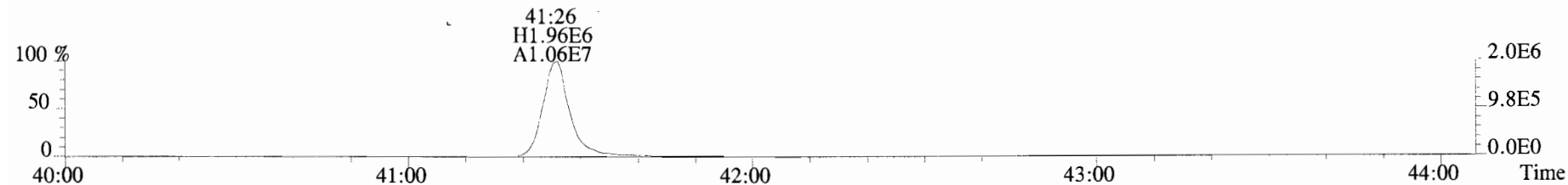
454.9728 S:5 F:4



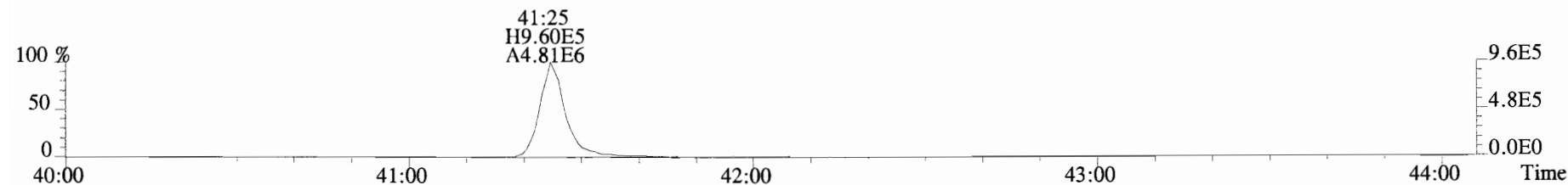
File:191009D1 #1-431 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
457.7377 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



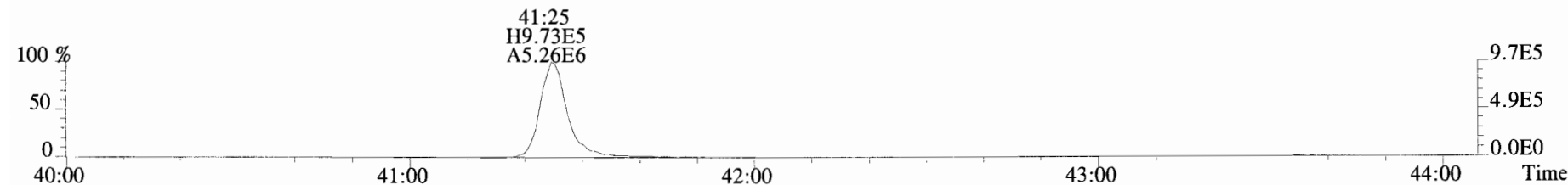
459.7348 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



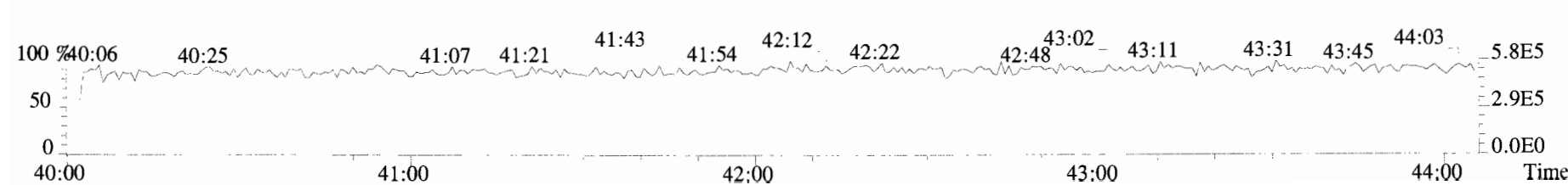
469.7780 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



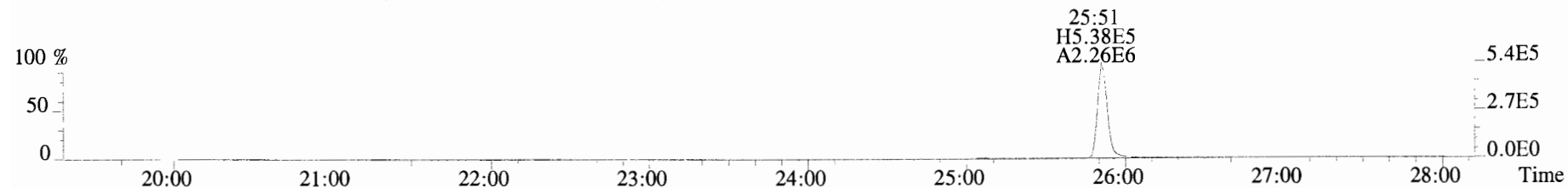
471.7750 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



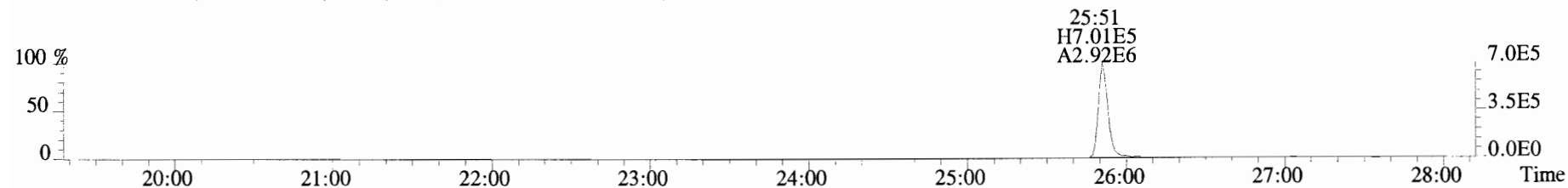
454.9728 S:5 F:5



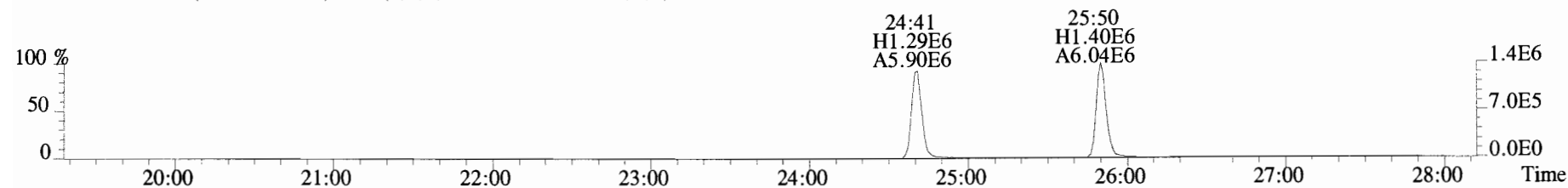
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
303.9016 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



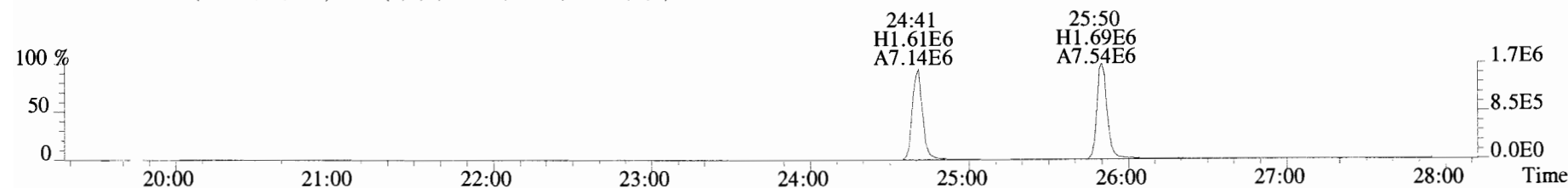
305.8987 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



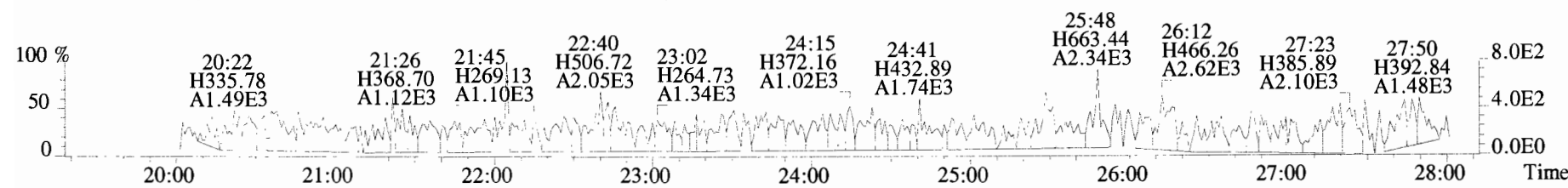
315.9419 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



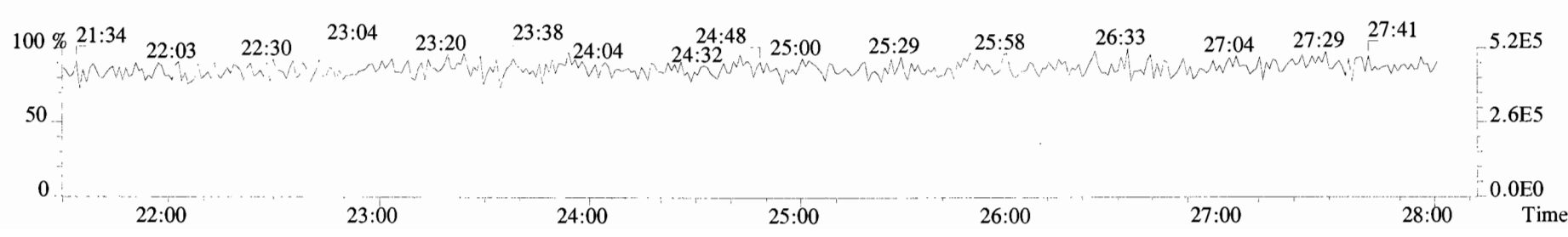
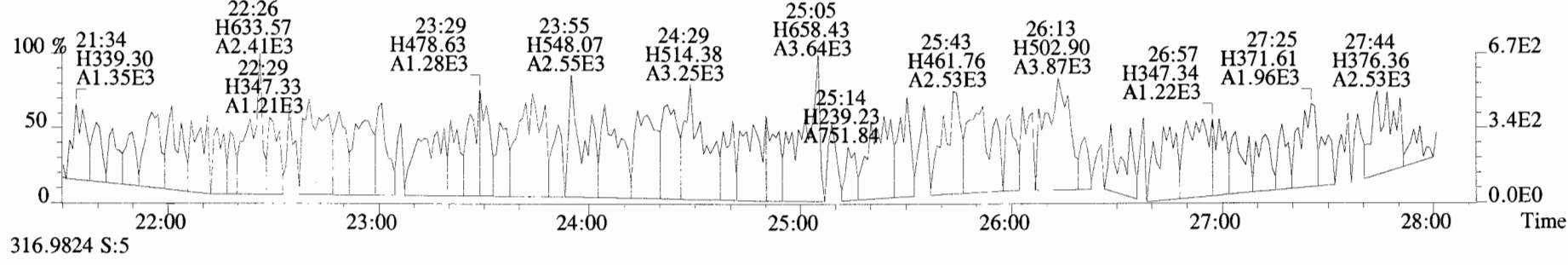
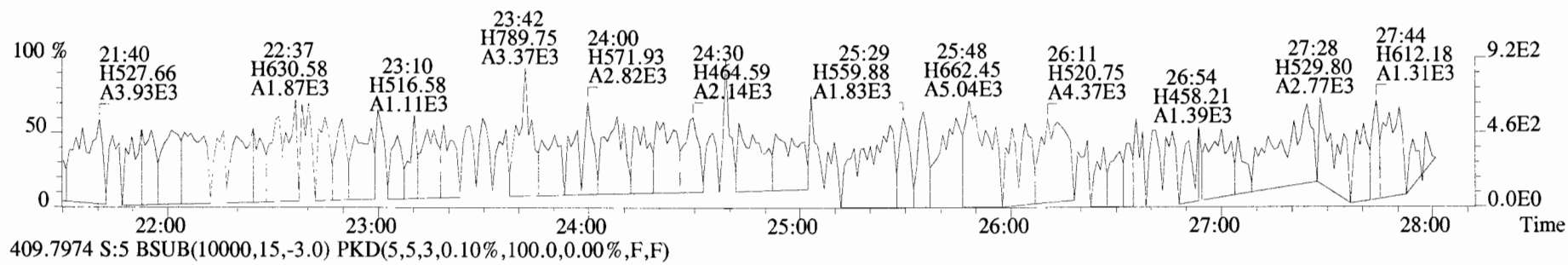
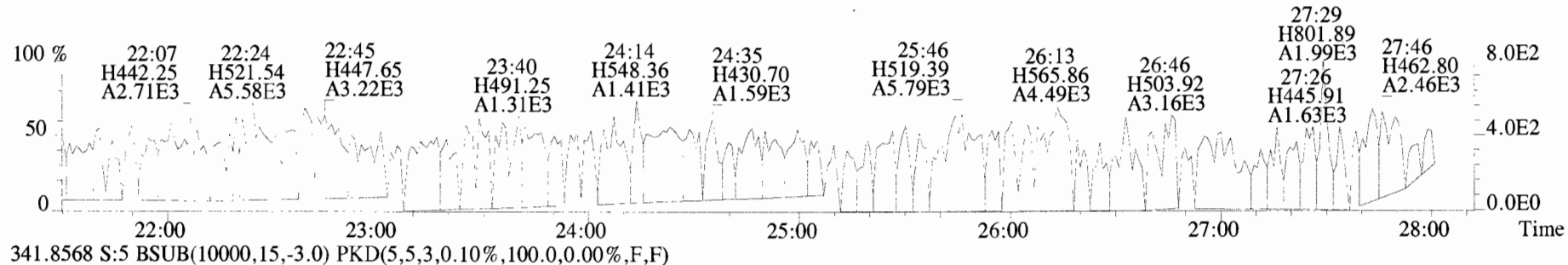
317.9389 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



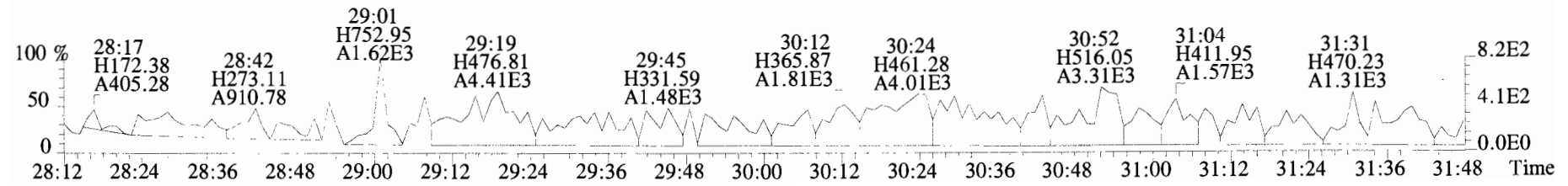
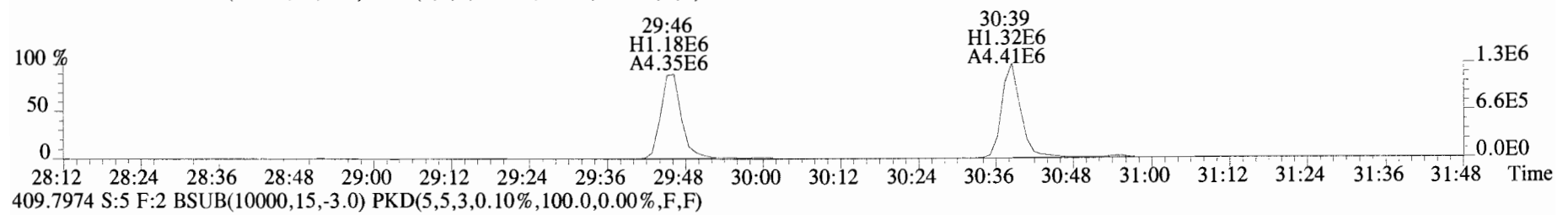
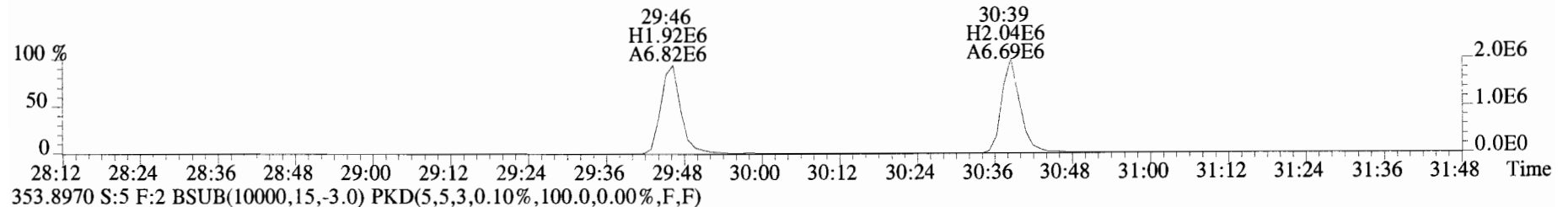
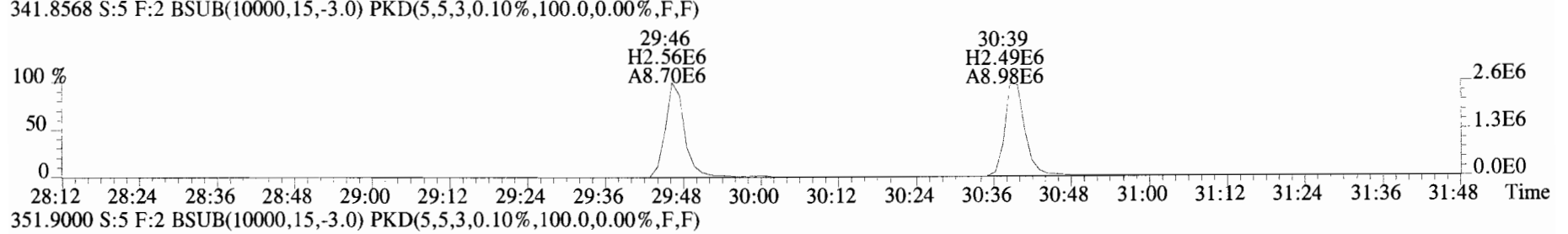
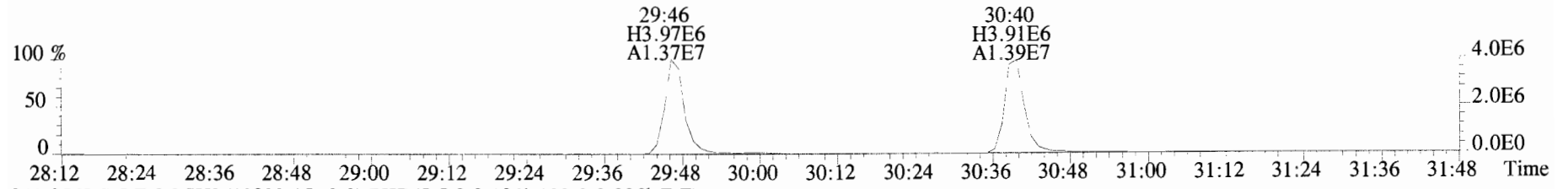
375.8364 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



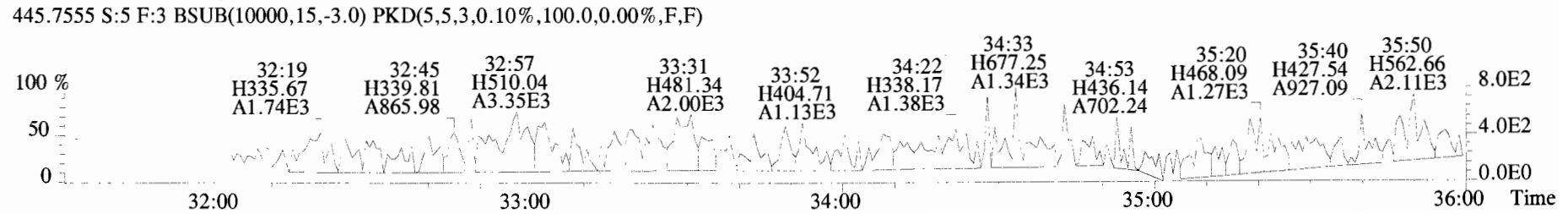
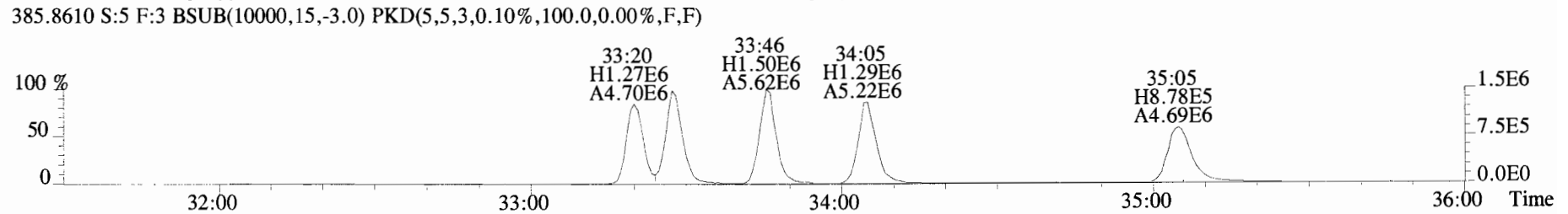
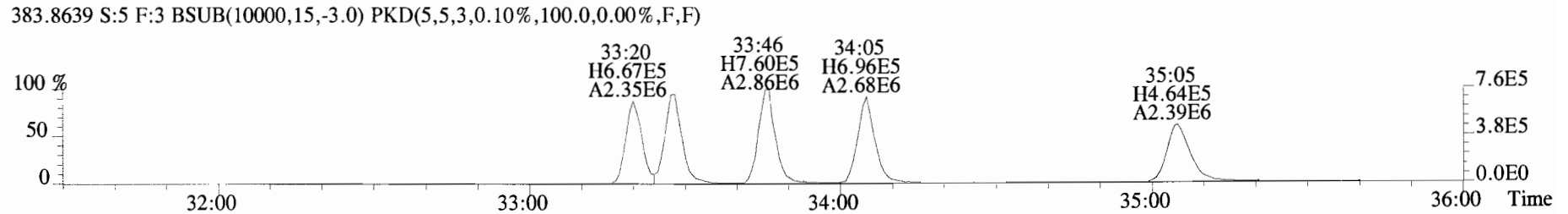
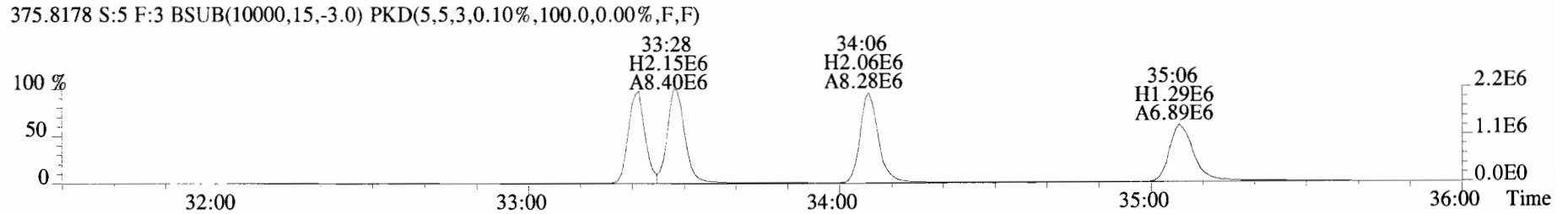
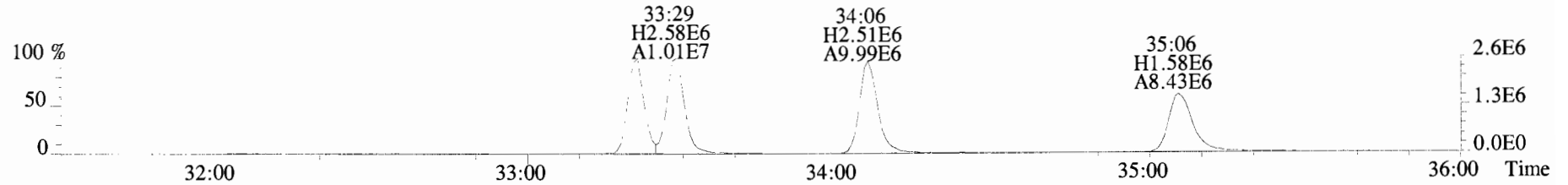
File:191009D1 #1-514 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 339.8597 S:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



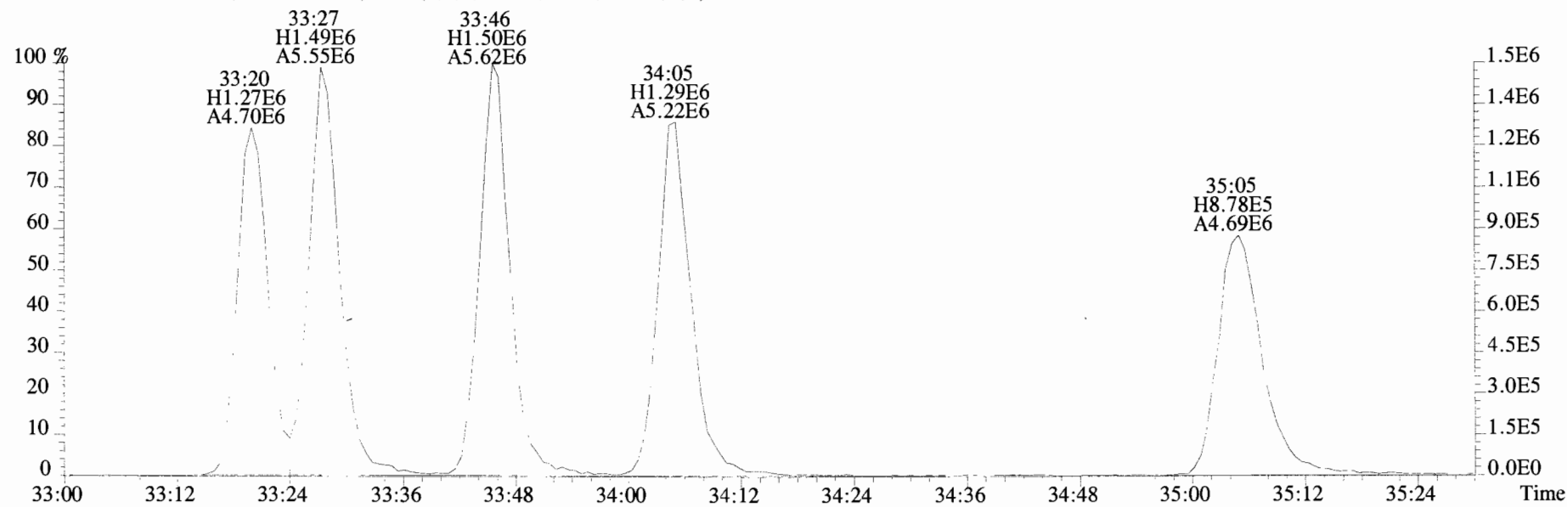
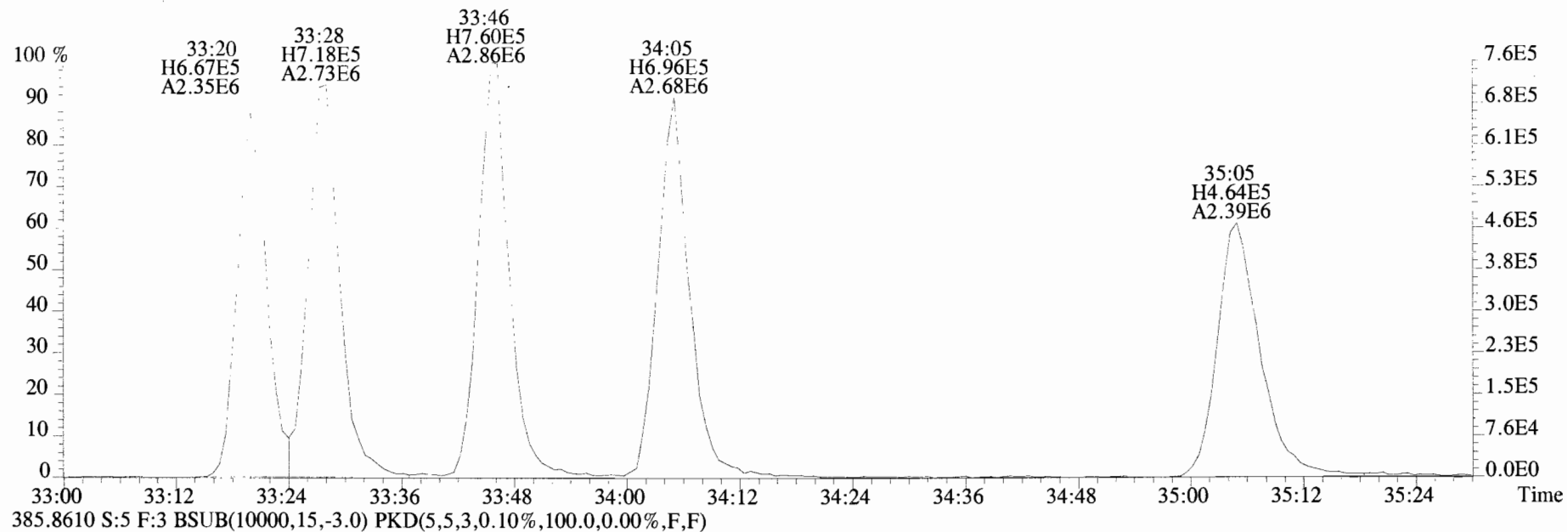
File:191009D1 #1-210 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
339.8597 S:5 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



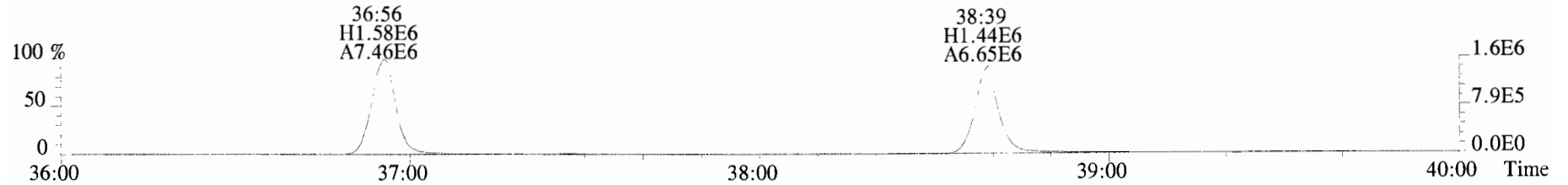
File:191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
 373.8207 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



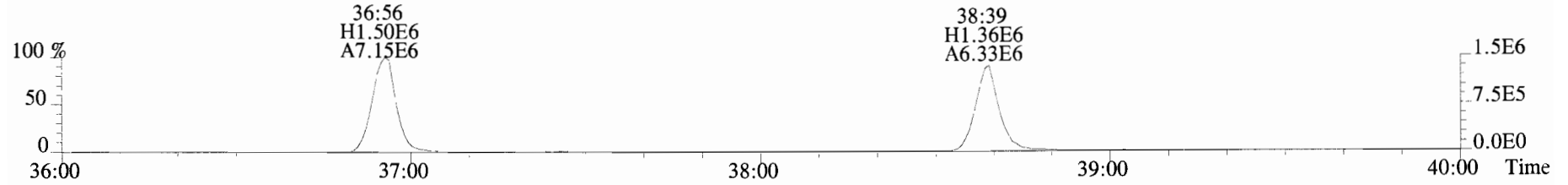
File: 191009D1 #1-355 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text: Vista Analytical Laboratory VG7 Text: ST191009D1-5 1613 CS4 19C2205 Exp: OCDD_DB5
383.8639 S:5 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



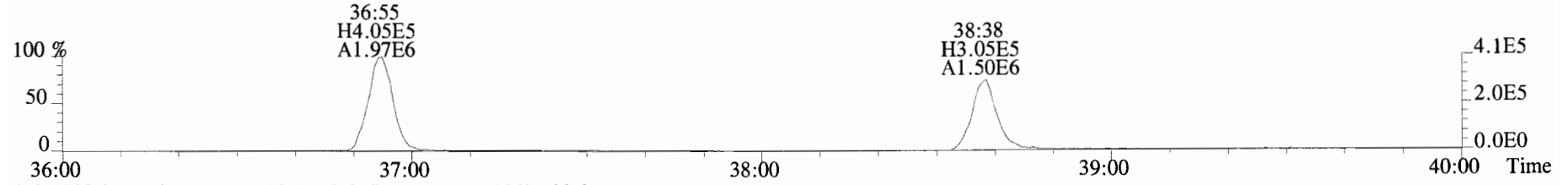
File:191009D1 #1-356 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
407.7818 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



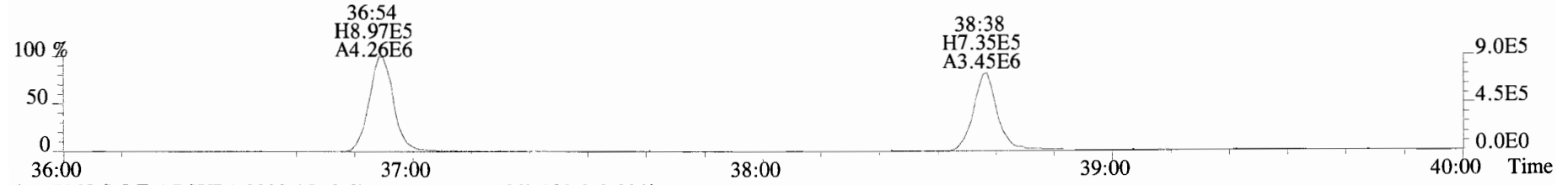
409.7788 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



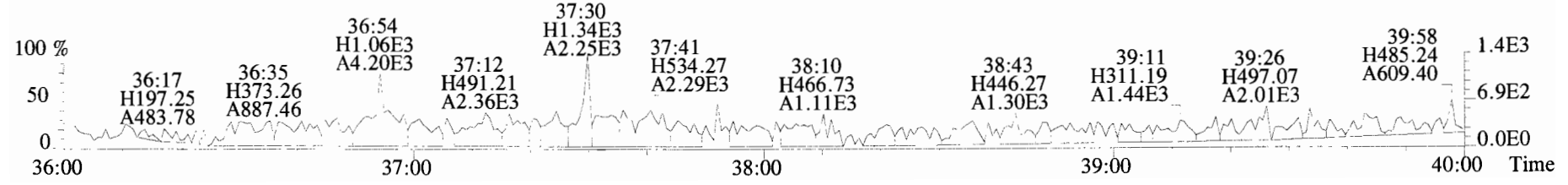
417.8253 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



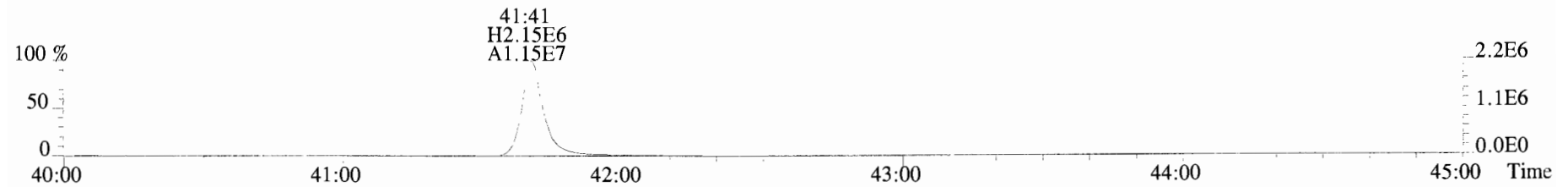
419.8220 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



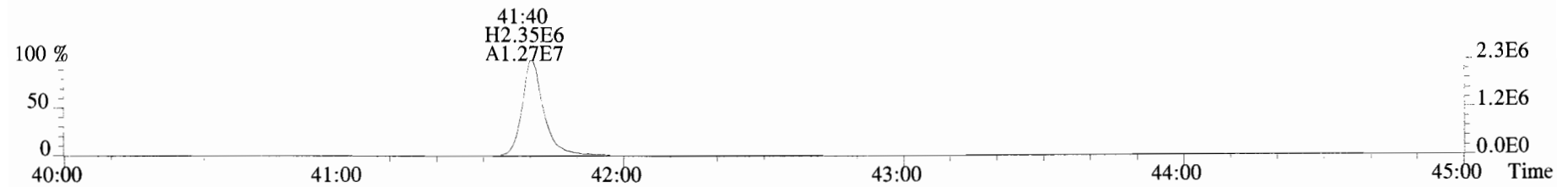
479.7165 S:5 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



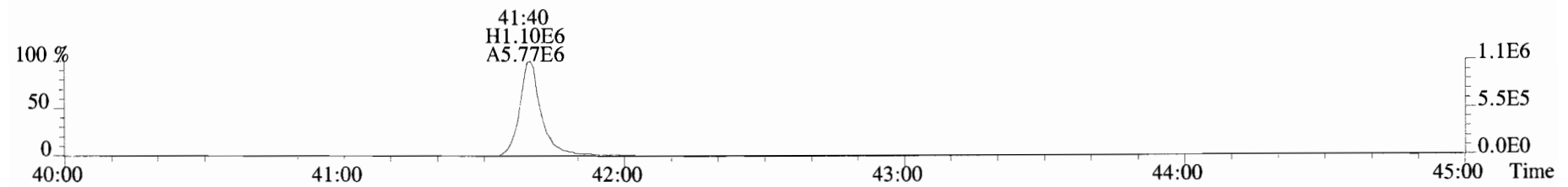
File:191009D1 #1-431 Acq: 9-OCT-2019 19:23:46 GC EI+ Voltage SIR Autospec-UltimaE
Sample#5 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-5 1613 CS4 19C2205 Exp:OCDD_DB5
441.7428 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



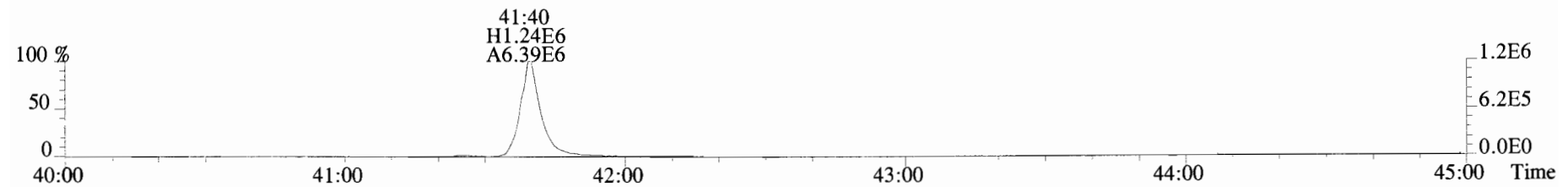
443.7398 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



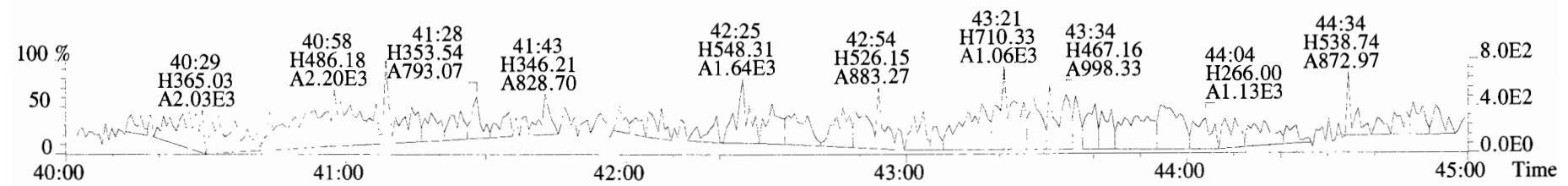
453.7831 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



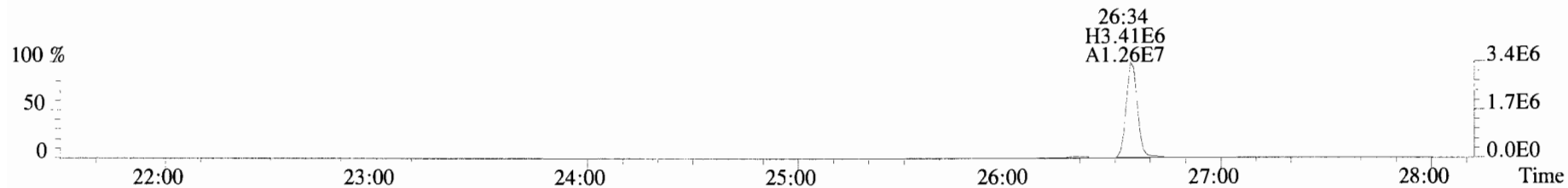
455.7801 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



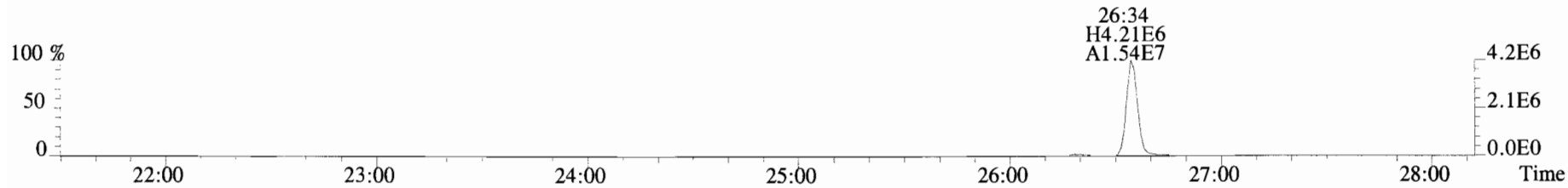
513.6775 S:5 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



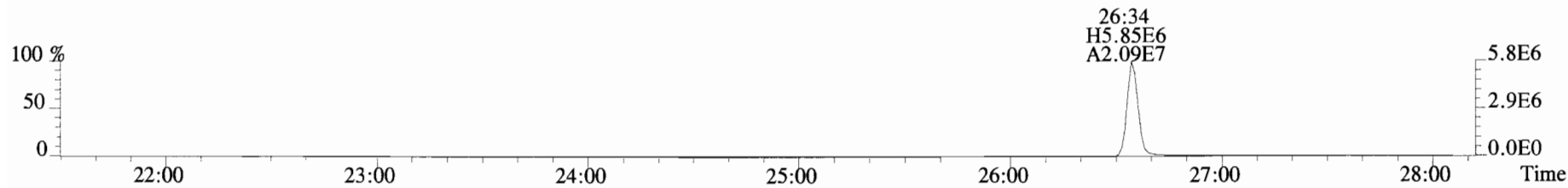
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
319.8965 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



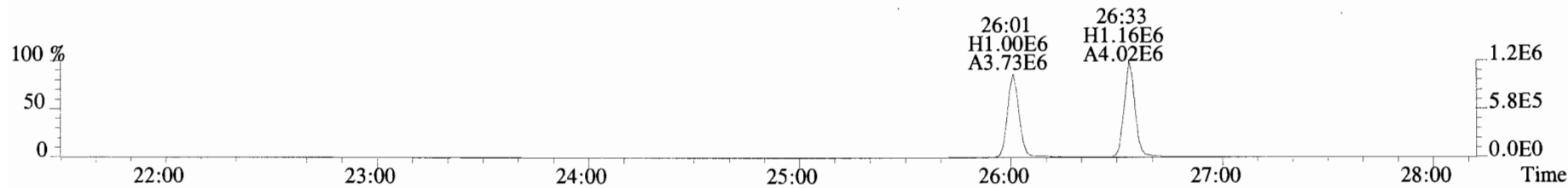
321.8936 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



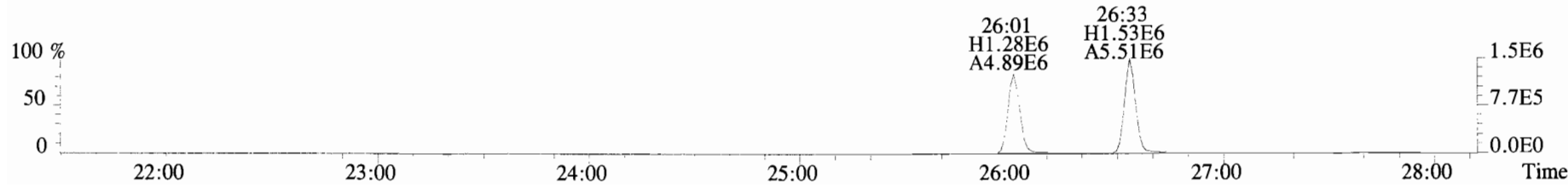
327.8847 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



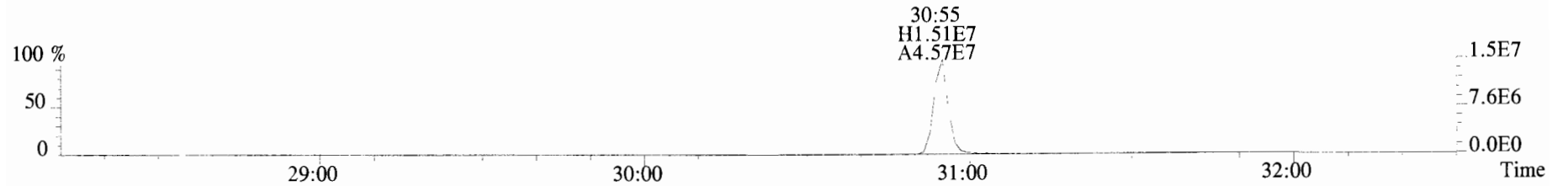
331.9368 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



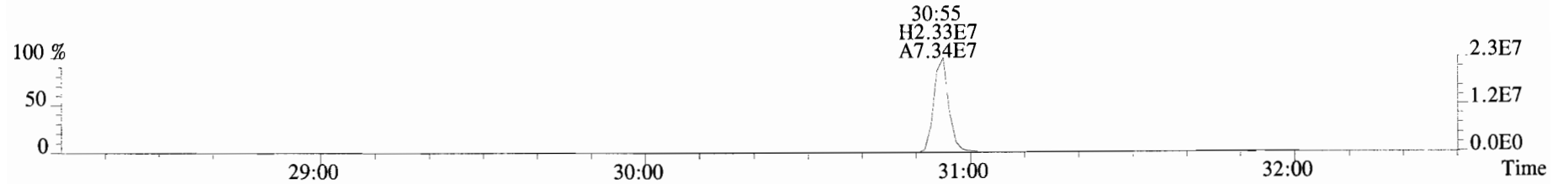
333.9339 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



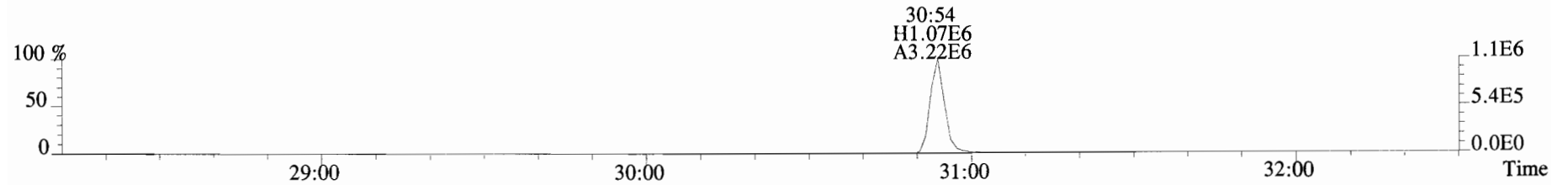
File:191009D1 #1-211 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
353.8576 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



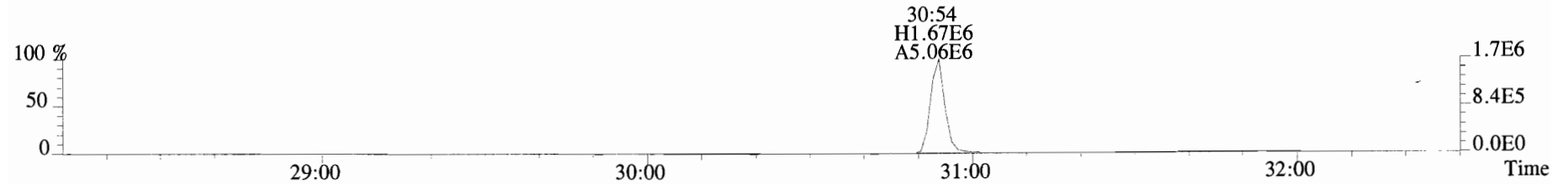
355.8546 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



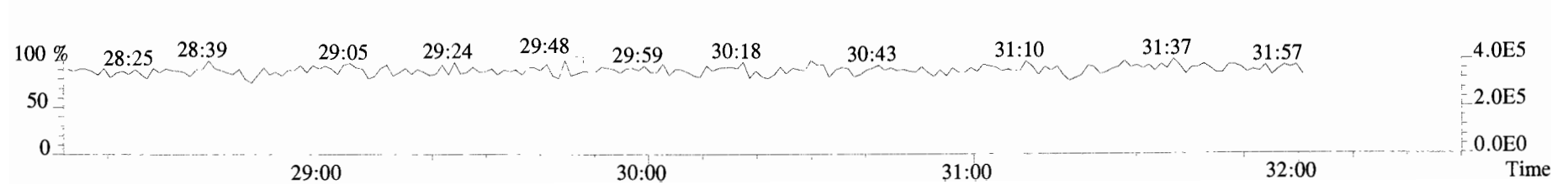
365.8978 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



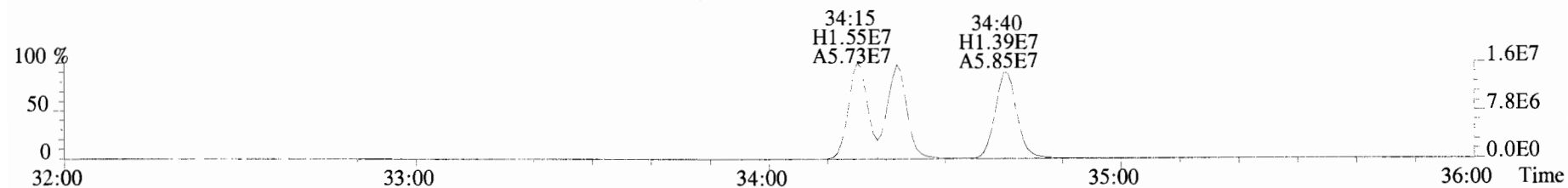
367.8949 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



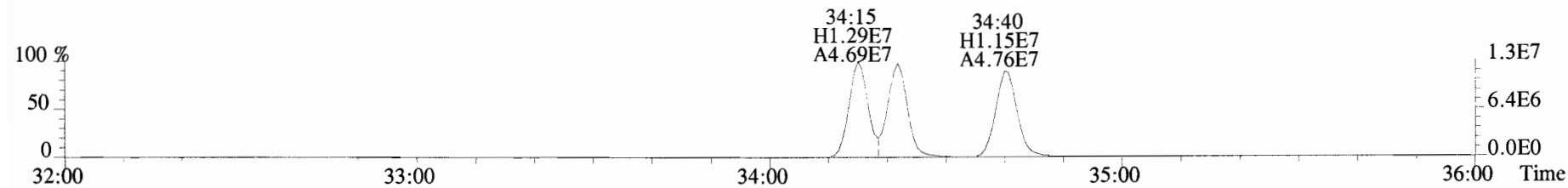
366.9792 S:6 F:2



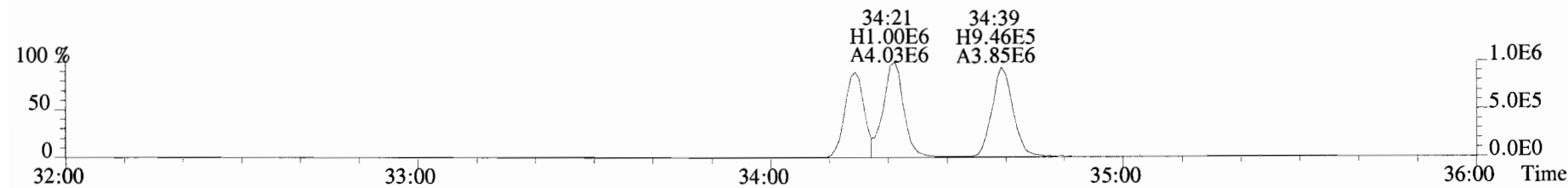
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
389.8156 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



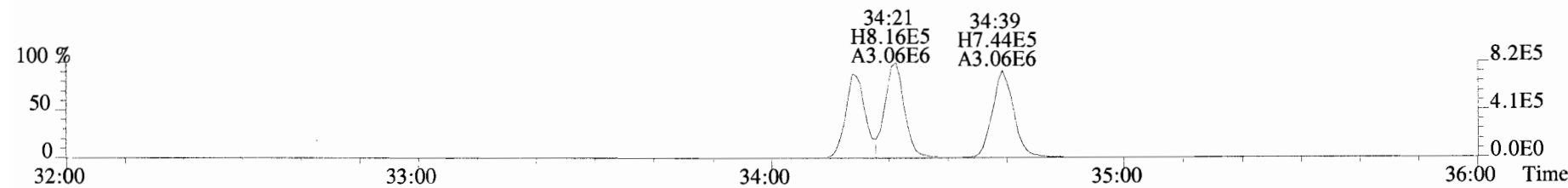
391.8127 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



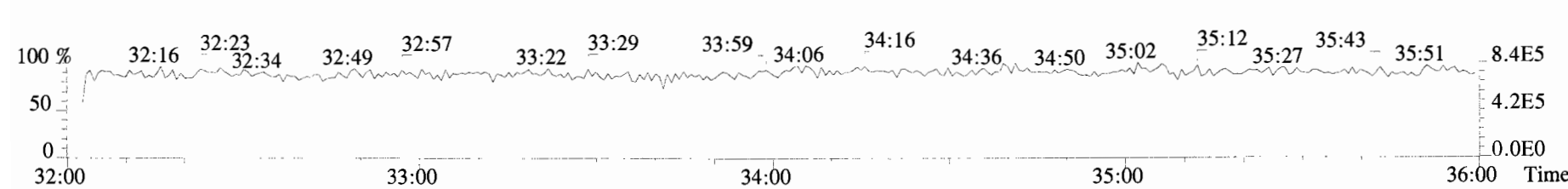
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



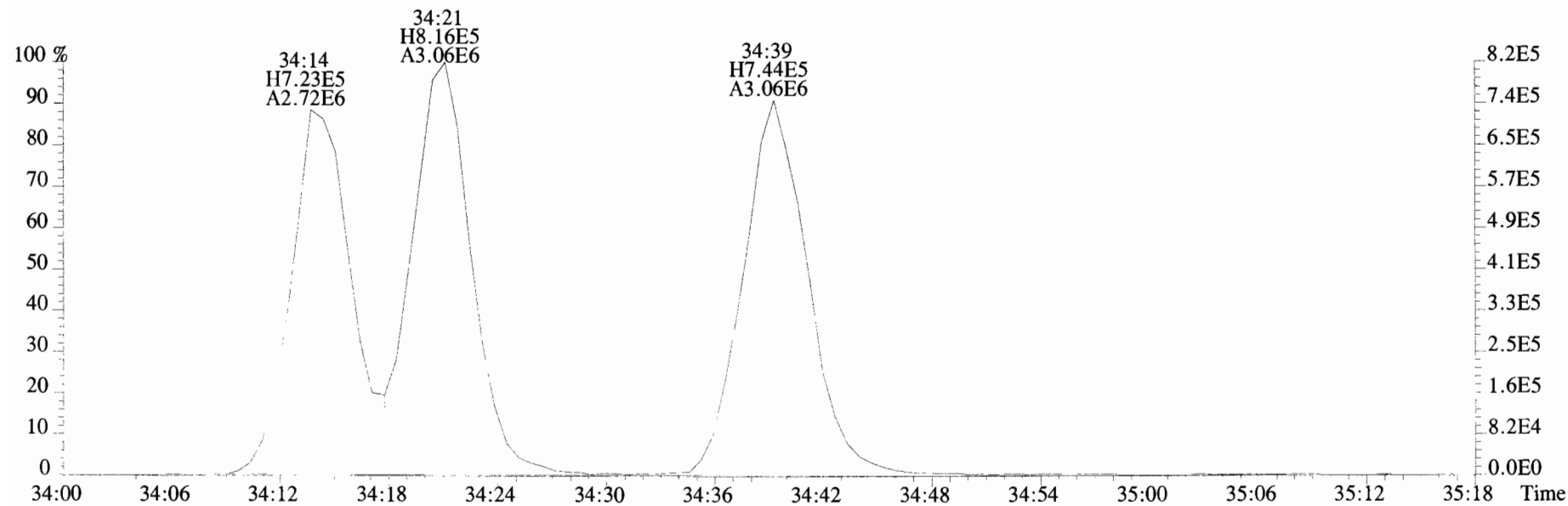
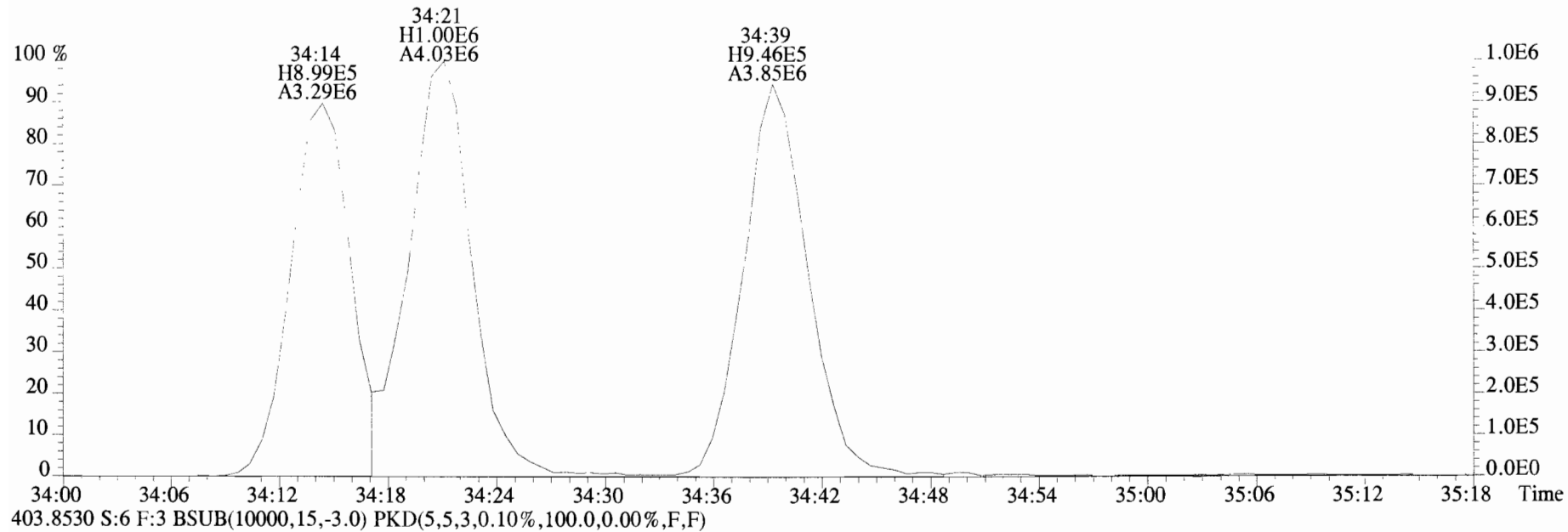
403.8530 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



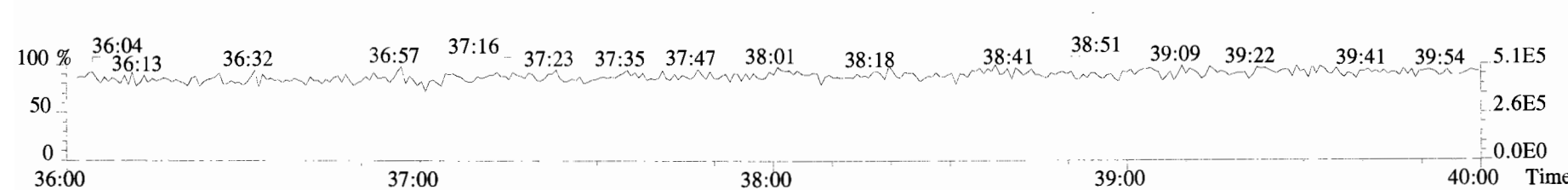
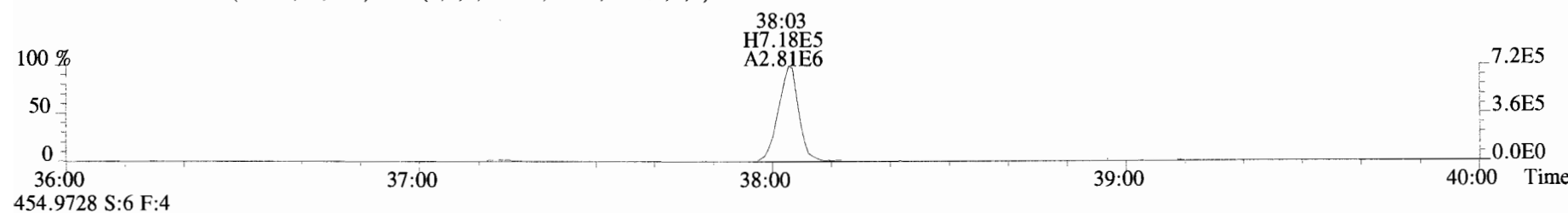
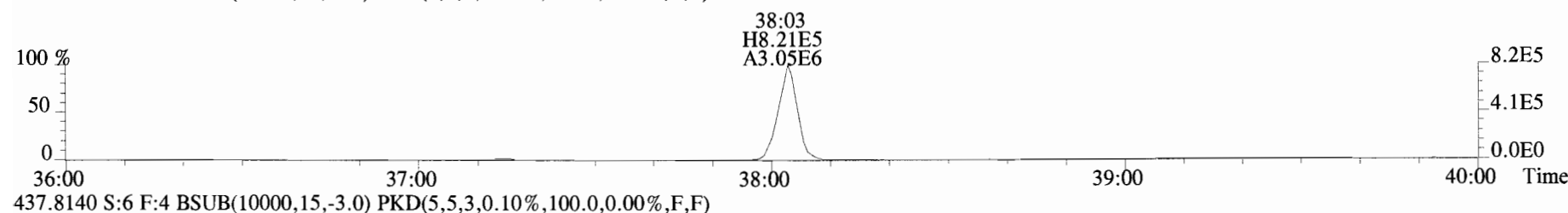
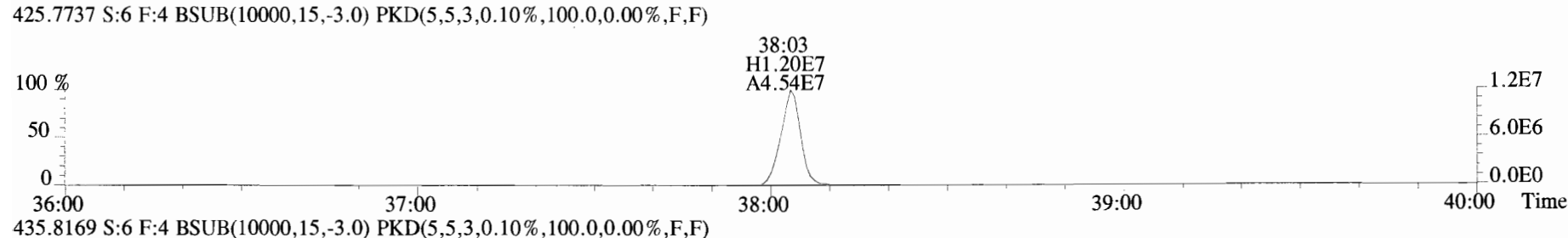
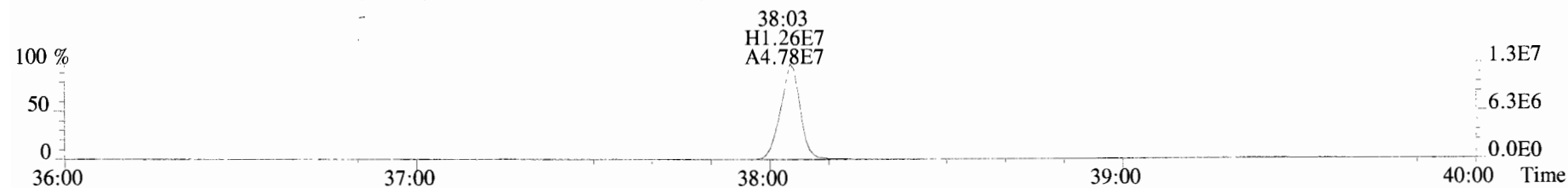
392.9760 S:6 F:3



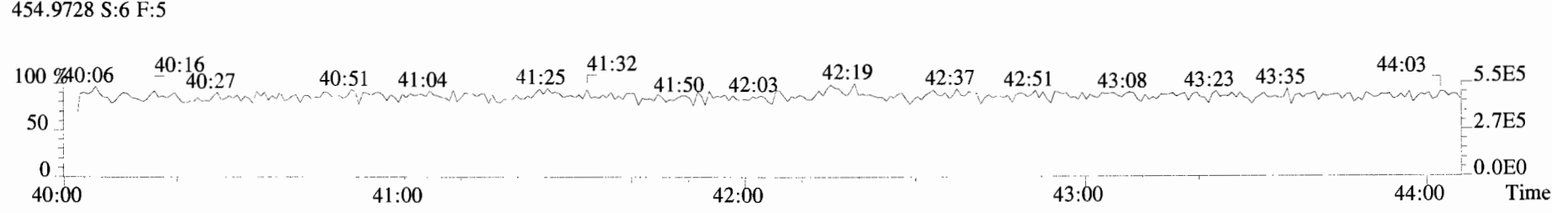
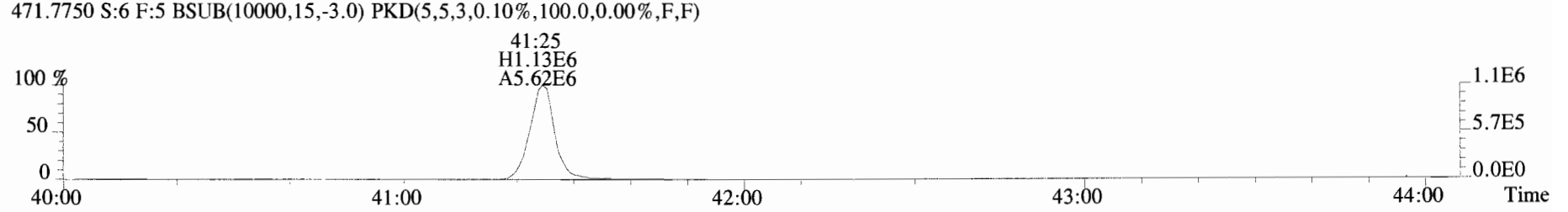
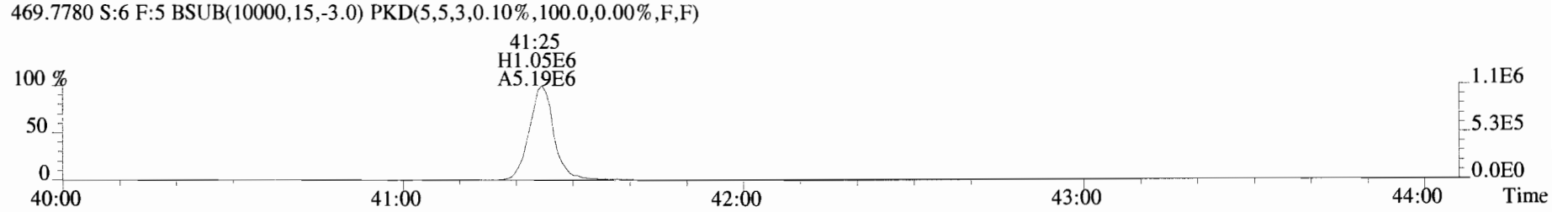
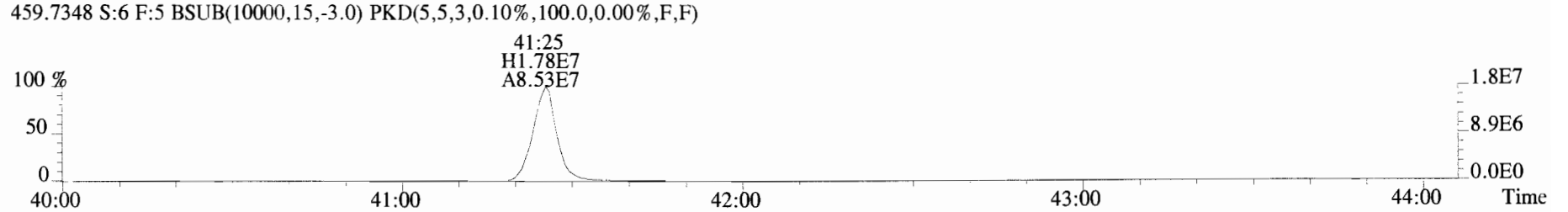
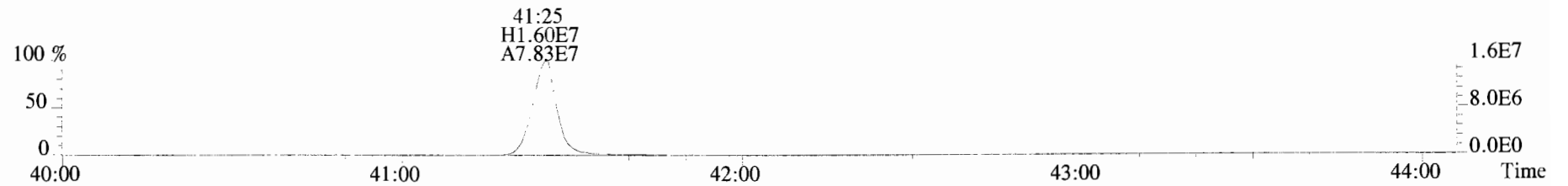
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
401.8559 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



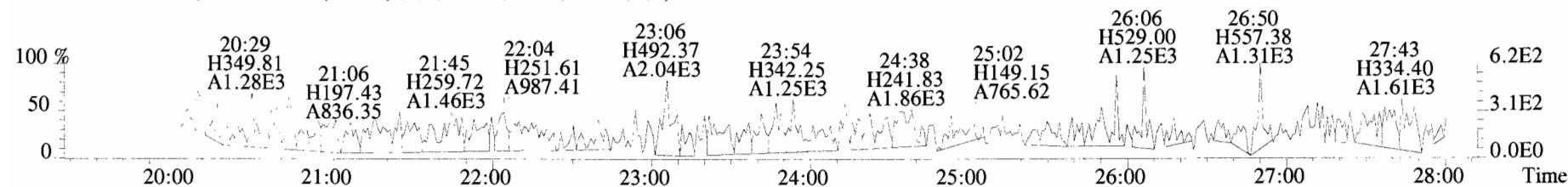
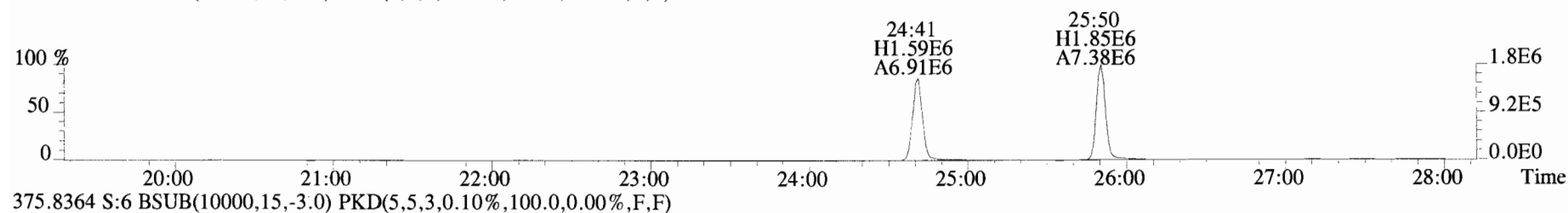
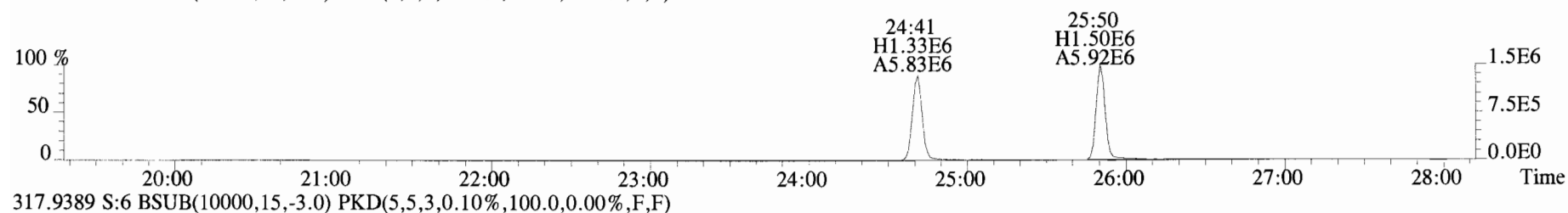
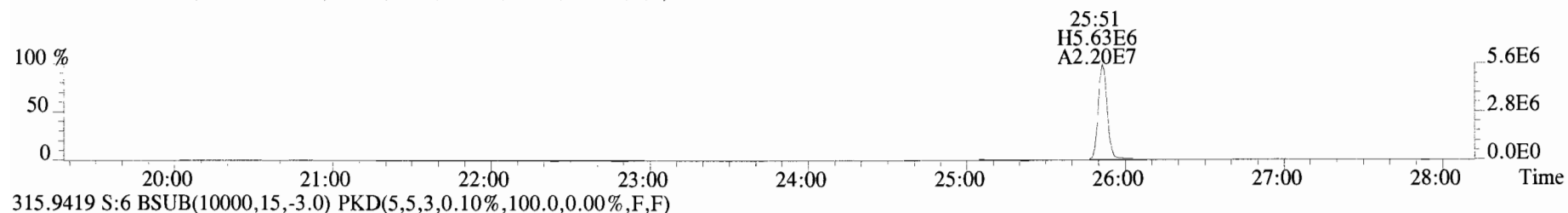
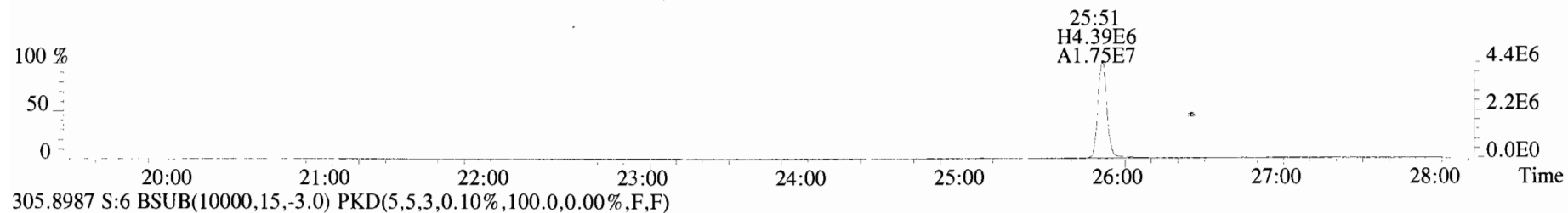
File:191009D1 #1-356 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
423.7767 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



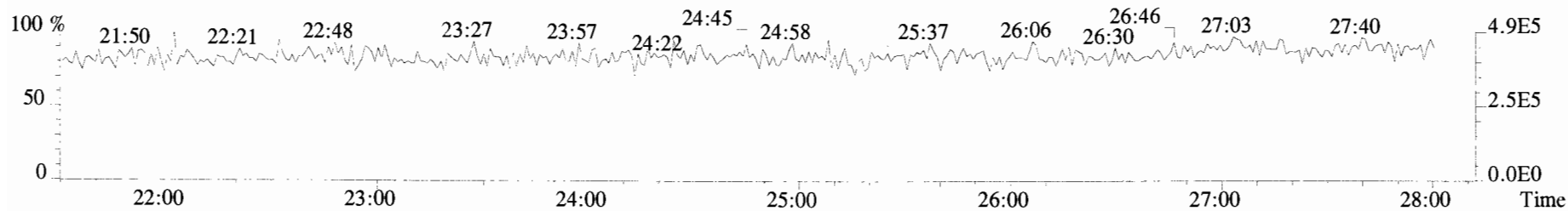
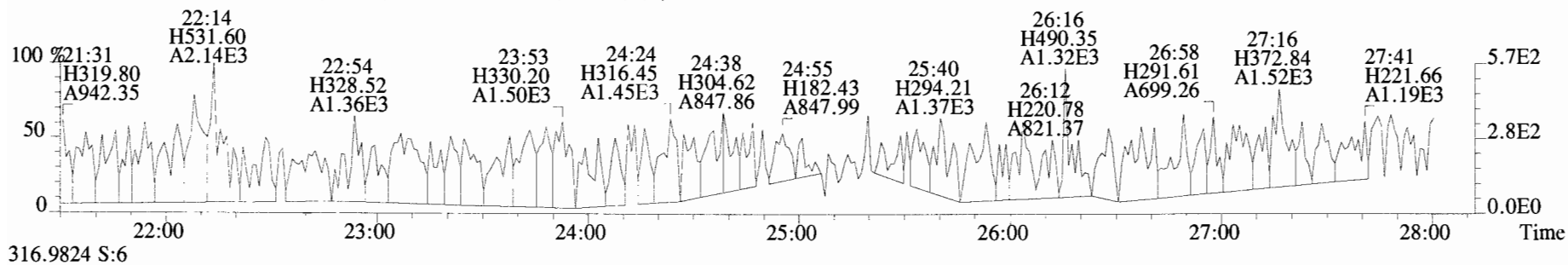
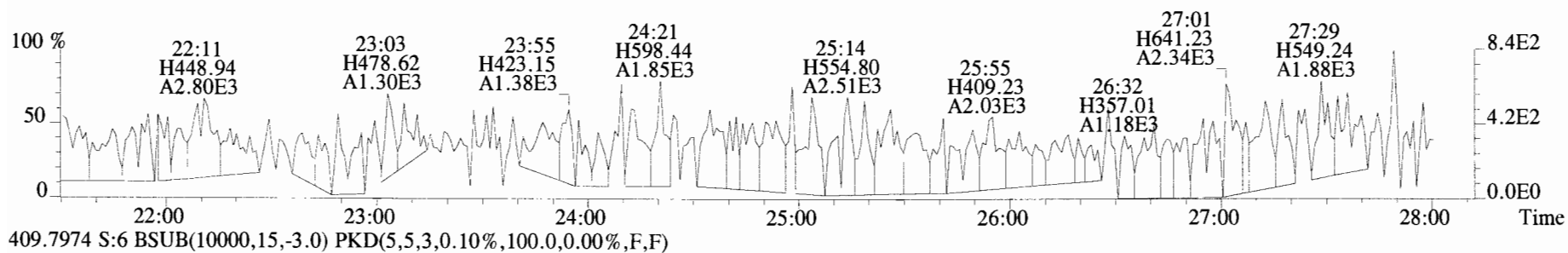
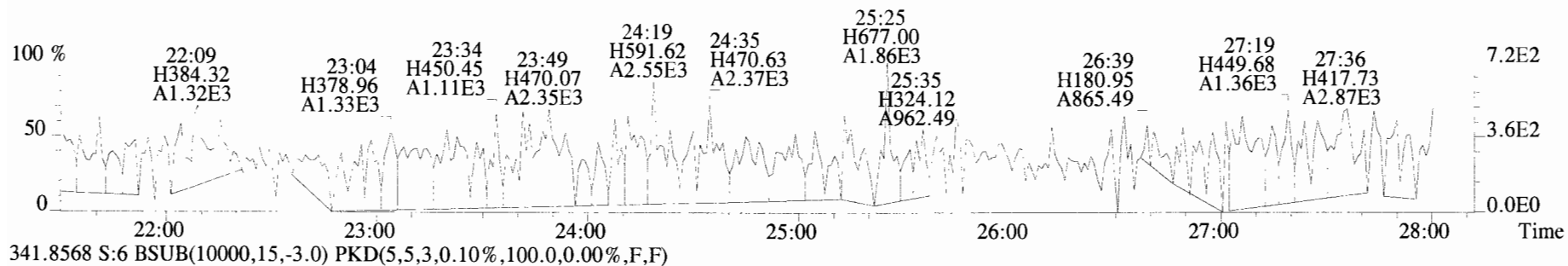
File:191009D1 #1-431 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
457.7377 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



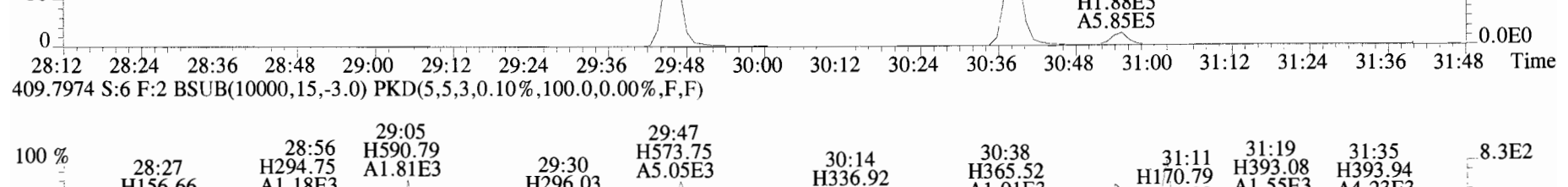
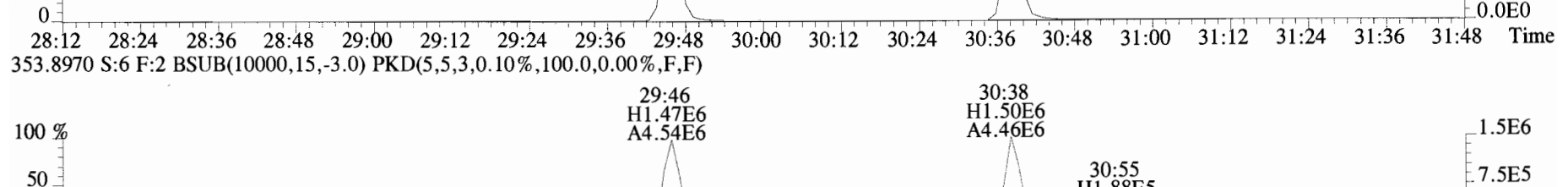
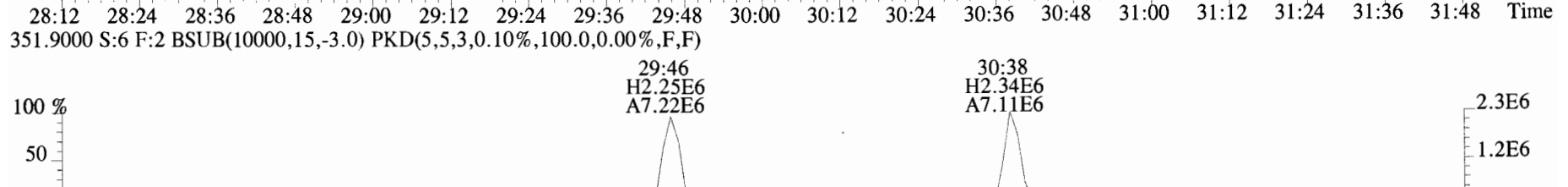
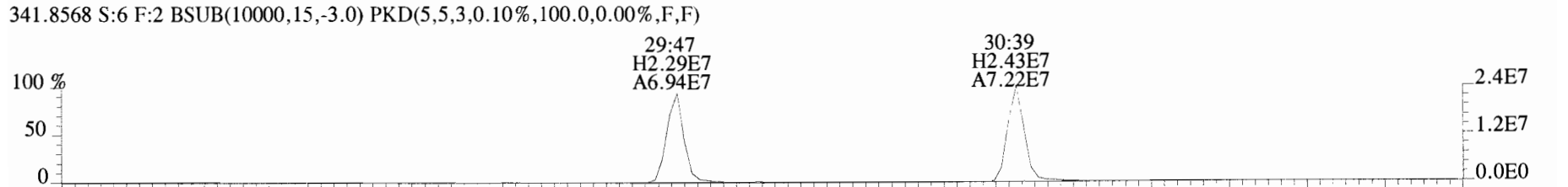
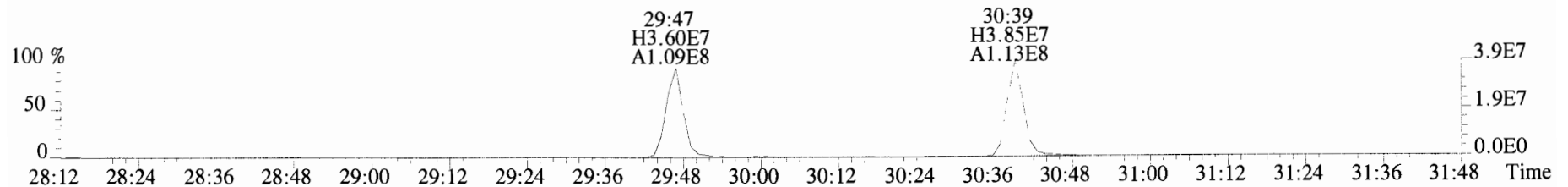
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista_Analytical_Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
303.9016 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



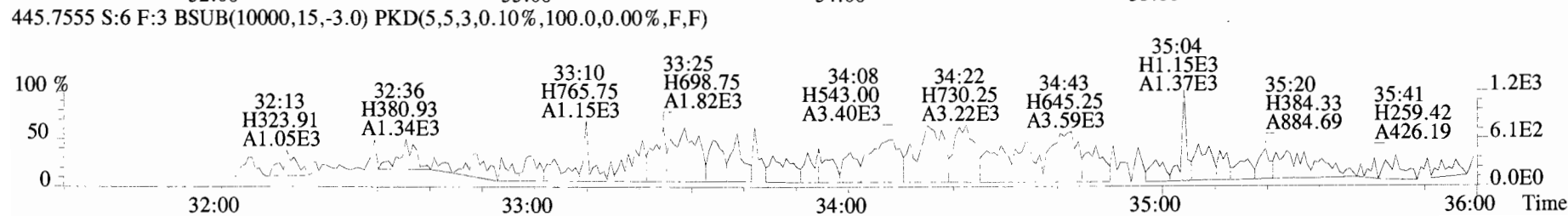
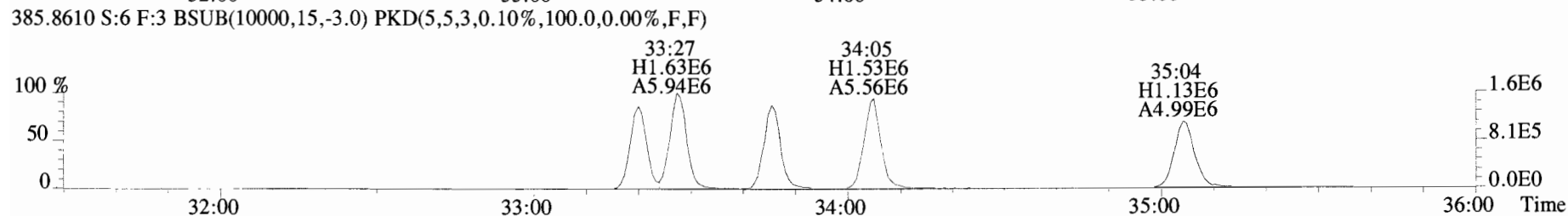
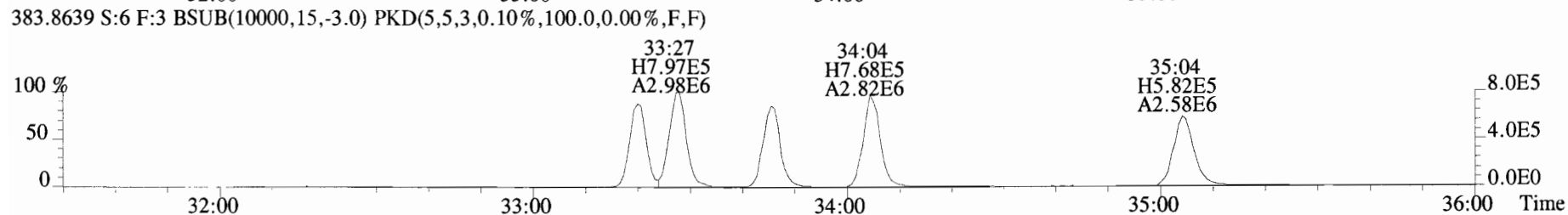
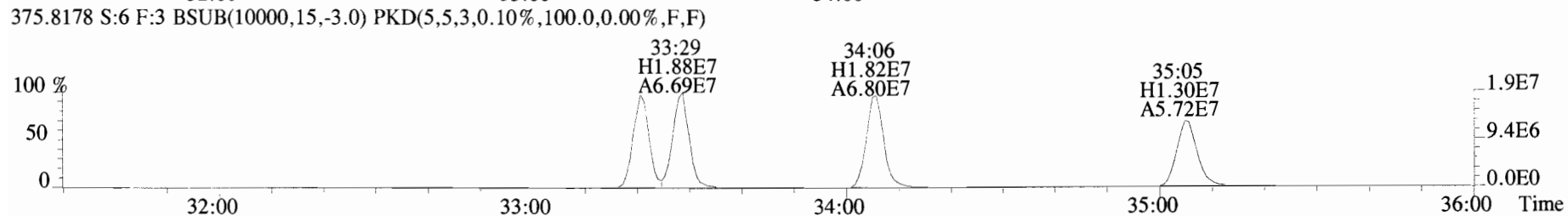
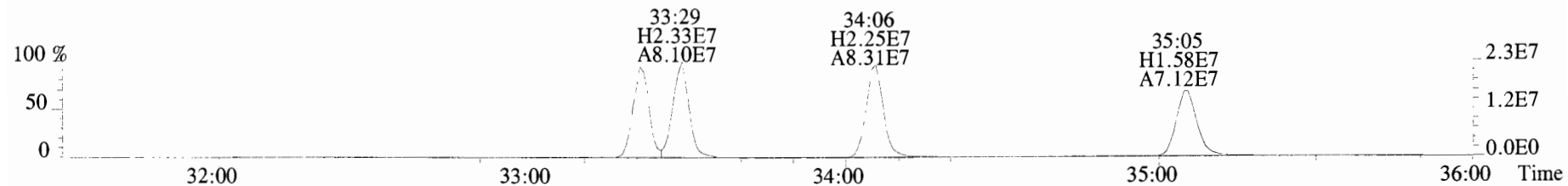
File:191009D1 #1-513 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 339.8597 S:6 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



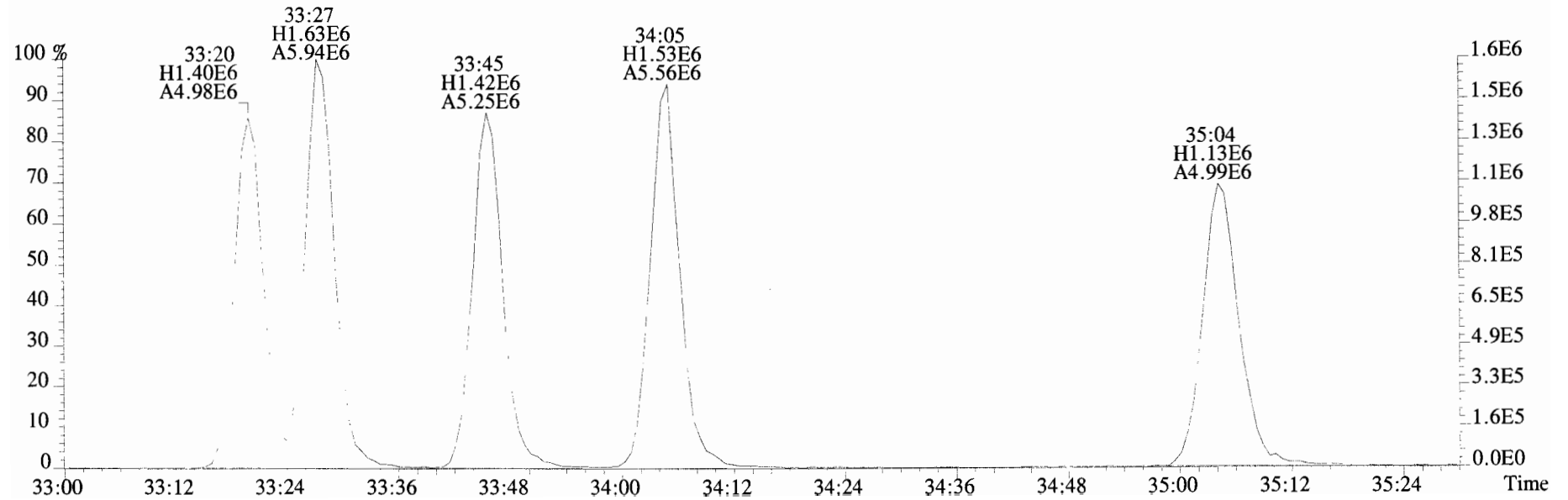
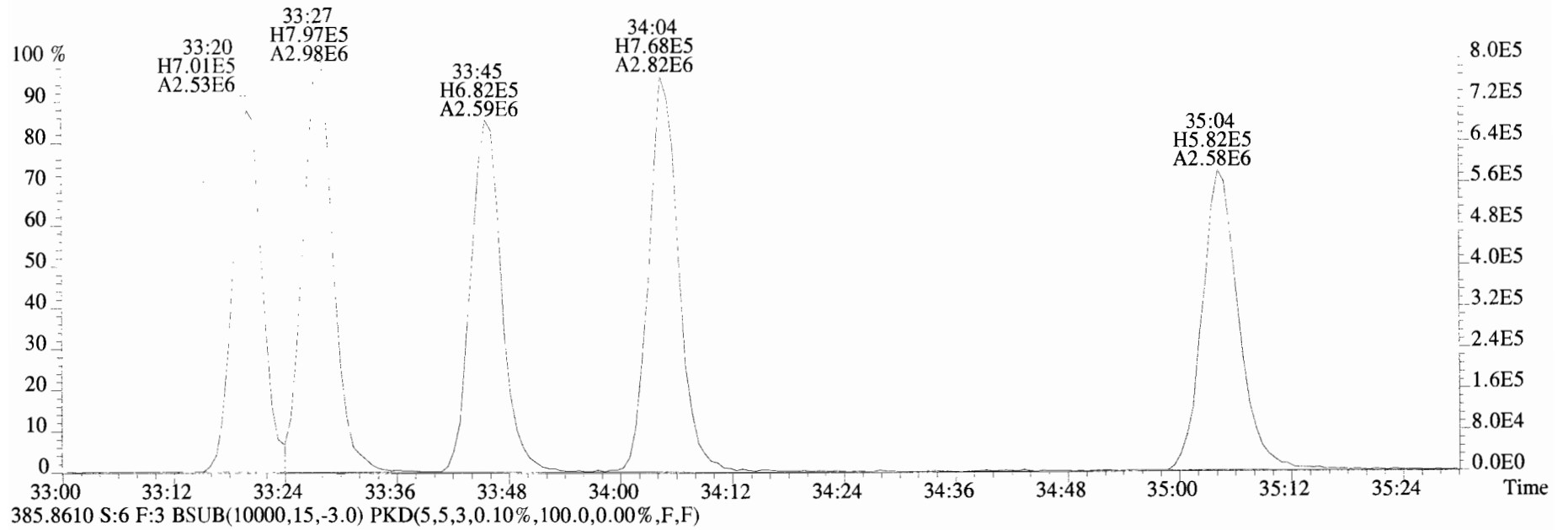
File:191009D1 #1-211 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
339.8597 S:6 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



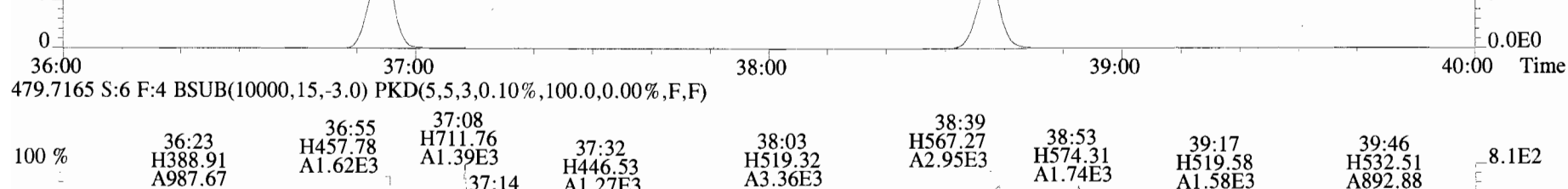
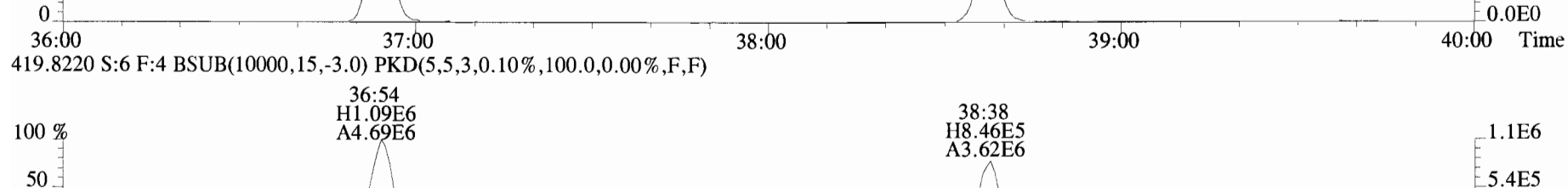
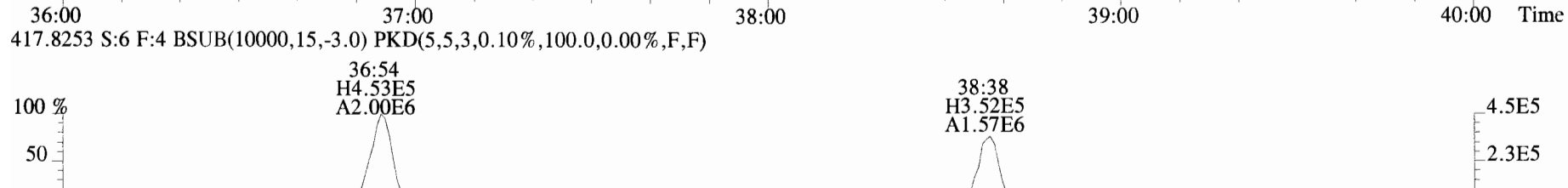
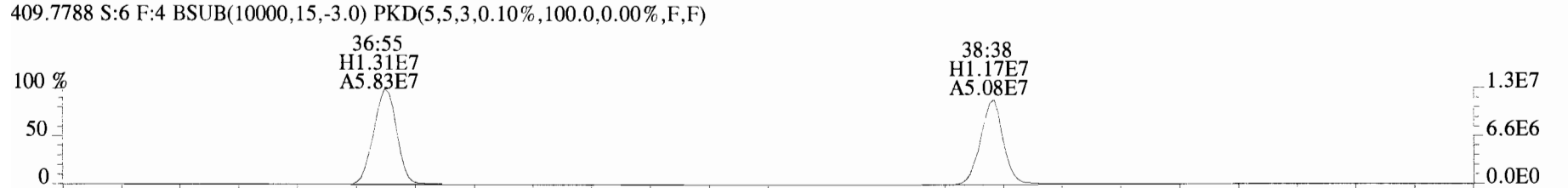
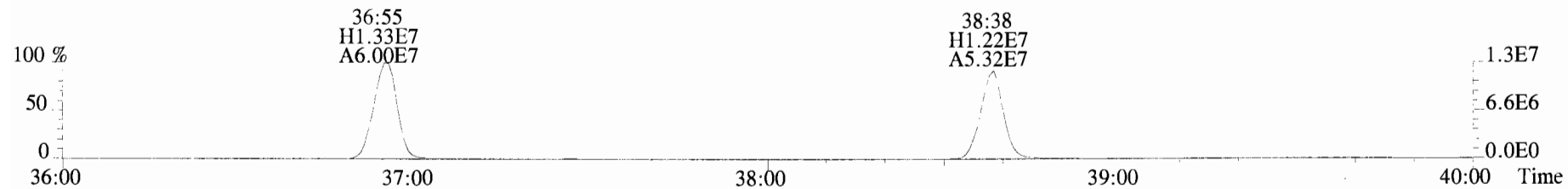
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 373.8207 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



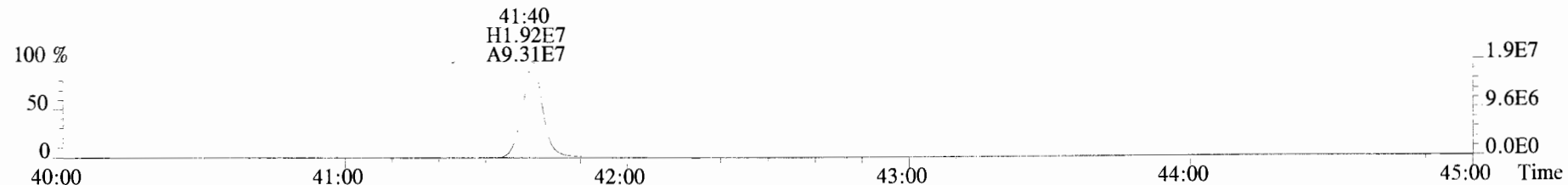
File:191009D1 #1-354 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
383.8639 S:6 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



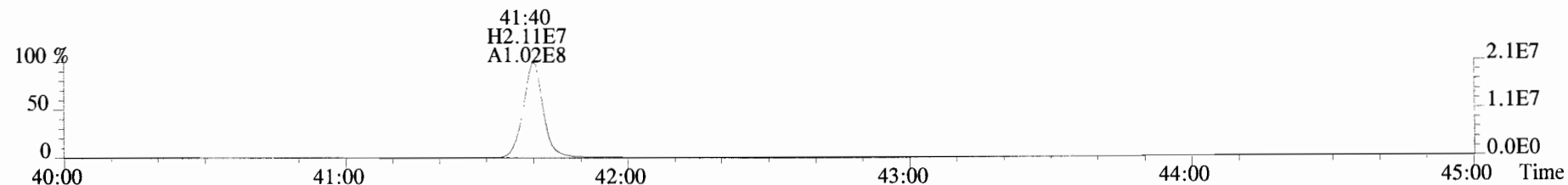
File:191009D1 #1-356 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#6 File Text:Vista Analytical Laboratory VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
 407.7818 S:6 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



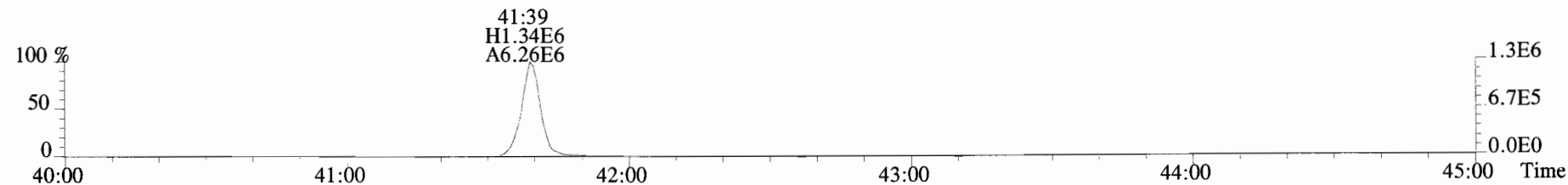
File:191009D1 #1-431 Acq: 9-OCT-2019 20:11:17 GC EI+ Voltage SIR Autospec-UltimaE
Sample#6 File Text:Vista Analytical Laboratory_VG7 Text:ST191009D1-6 1613 CS5 19C2206 Exp:OCDD_DB5
441.7428 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



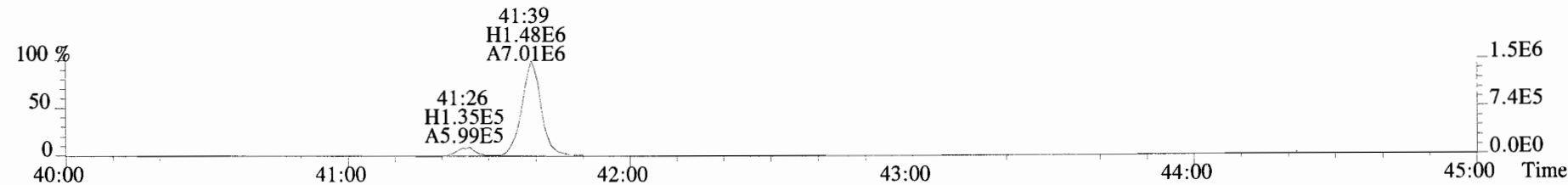
443.7398 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



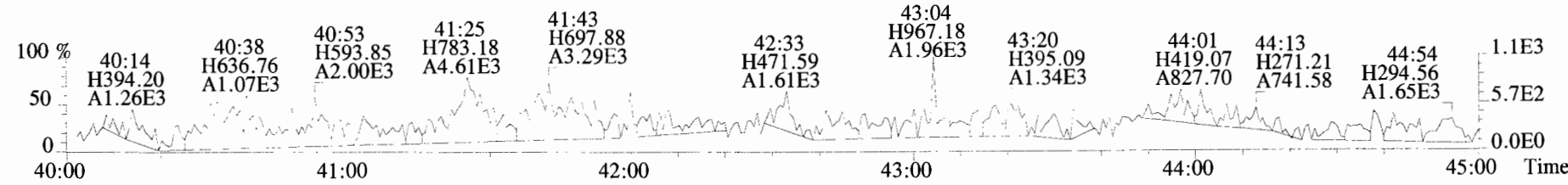
453.7831 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



455.7801 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)

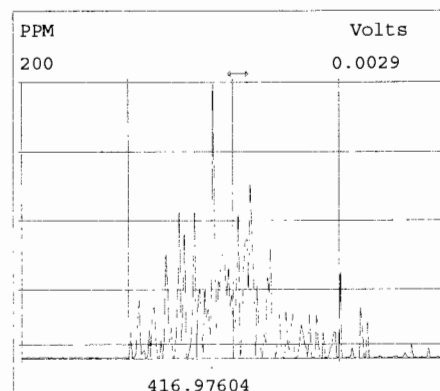
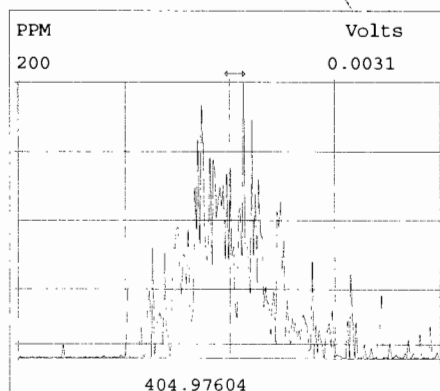
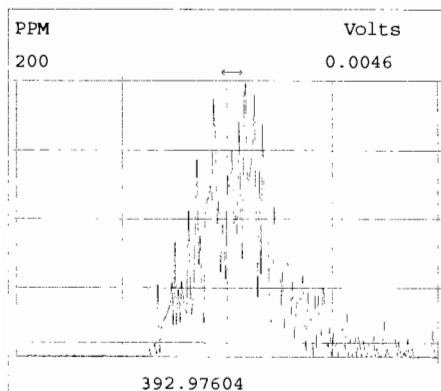
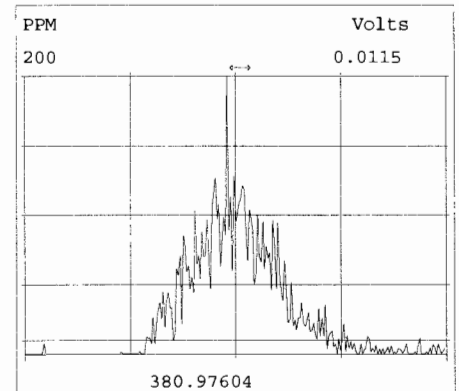
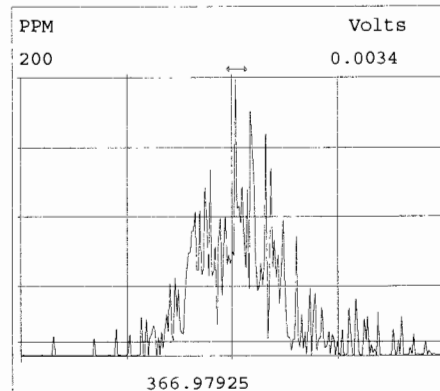
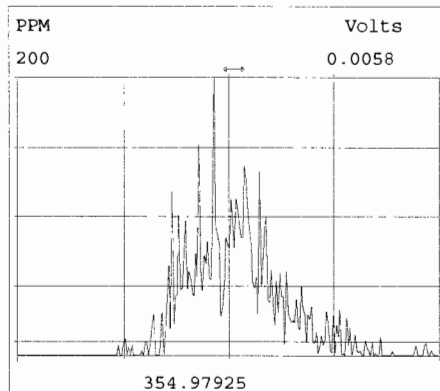
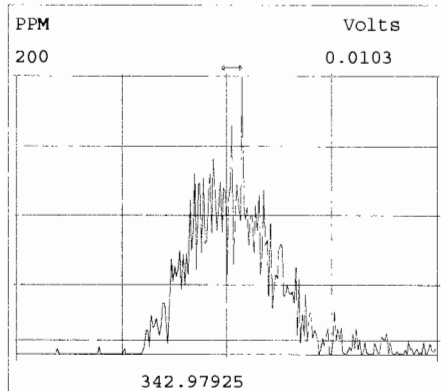
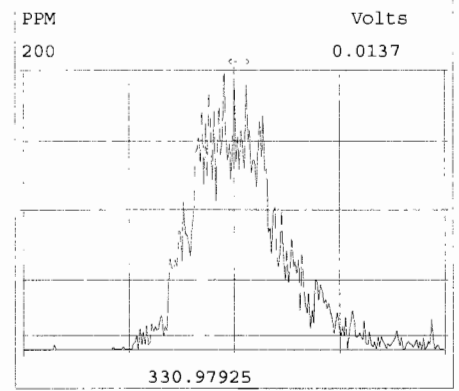
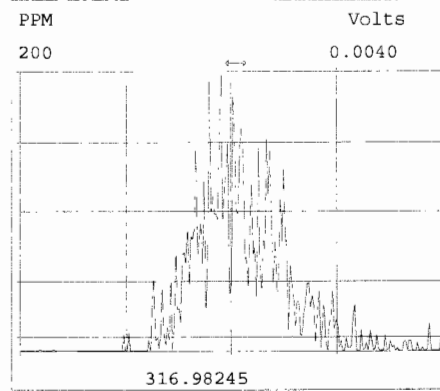
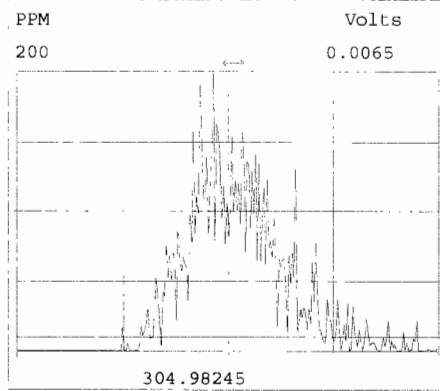
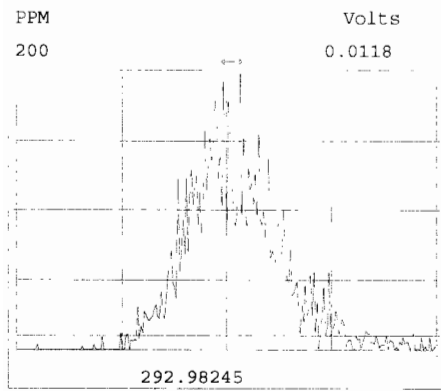


513.6775 S:6 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



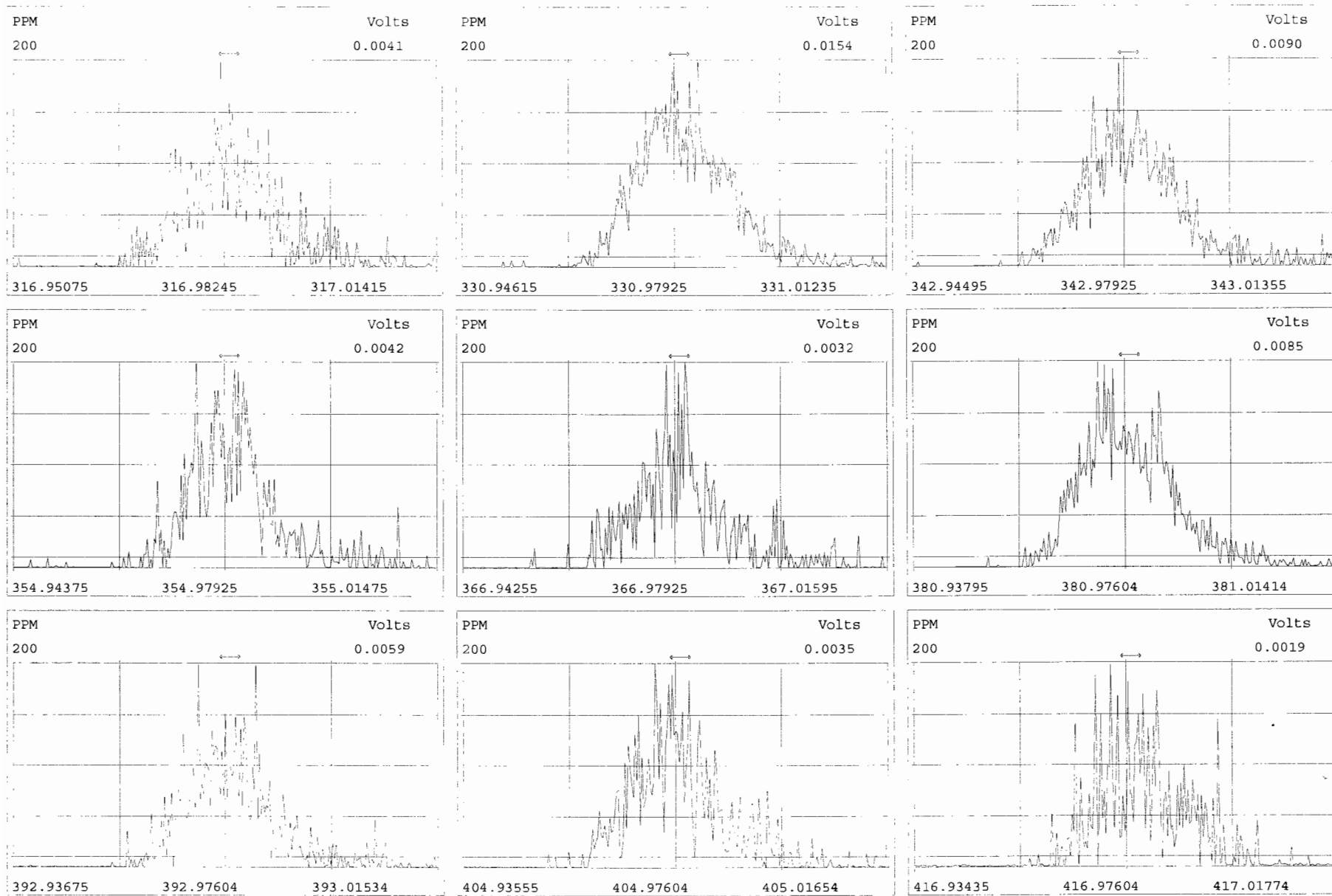
Peak Locate Examination:10-OCT-2019:06:40 File:RES_CHECK

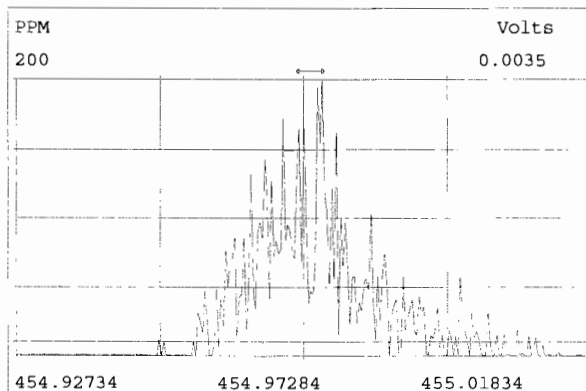
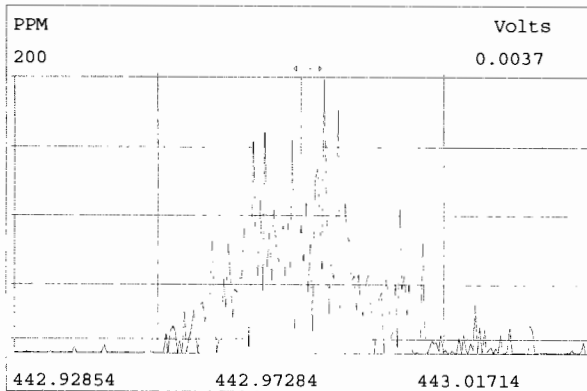
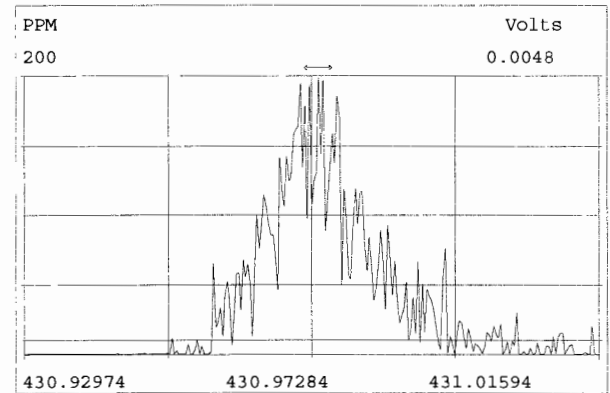
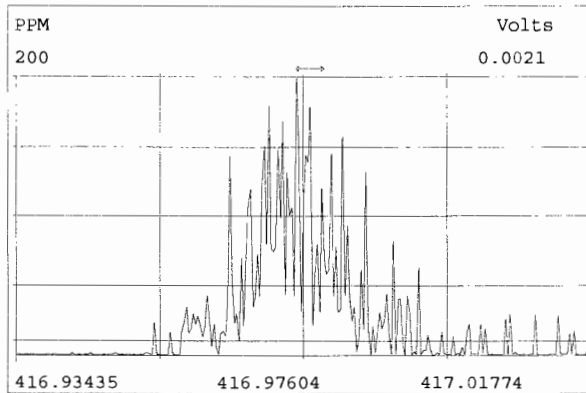
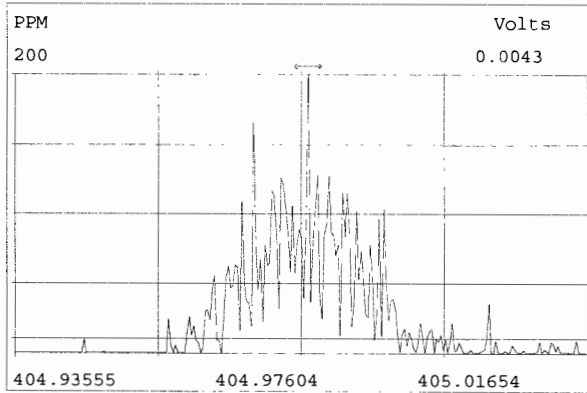
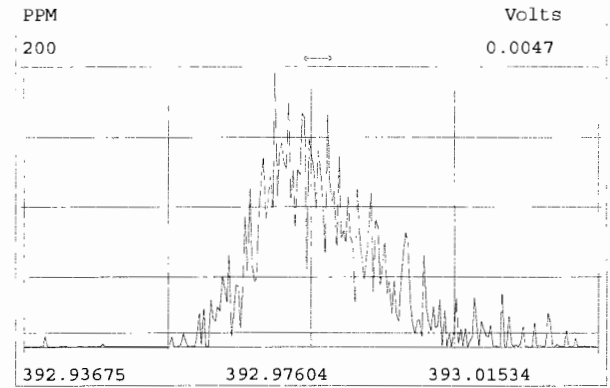
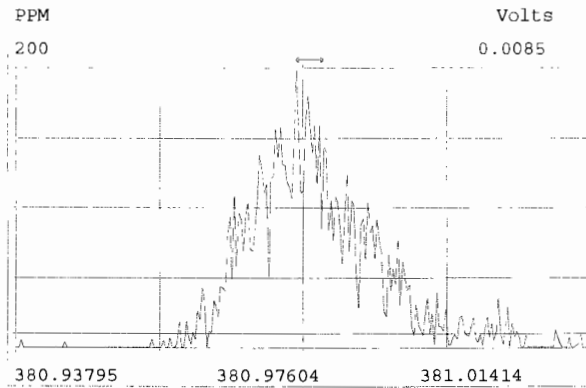
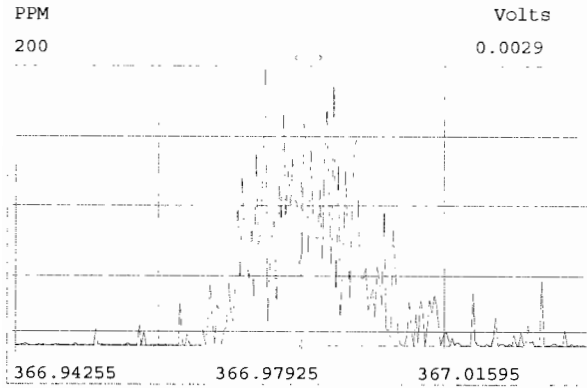
Experiment:OCDD_DB5 Function:1 Reference:PFK

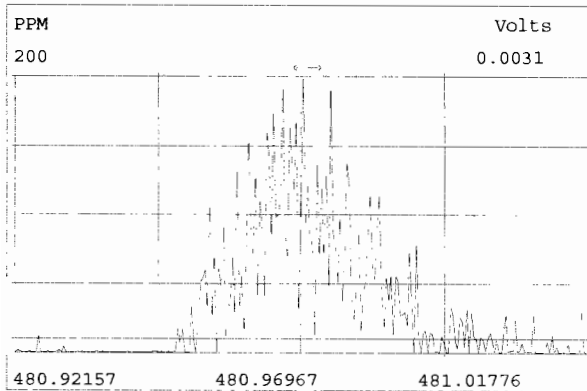
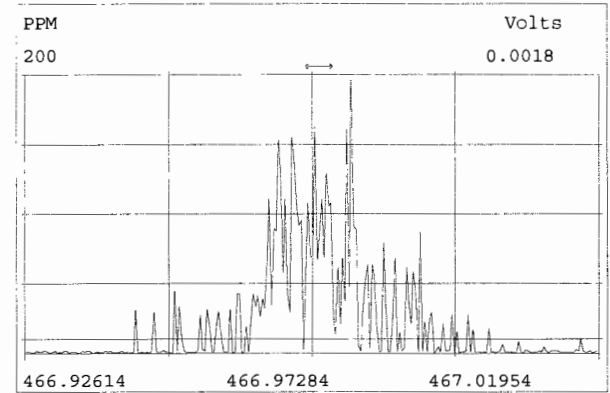
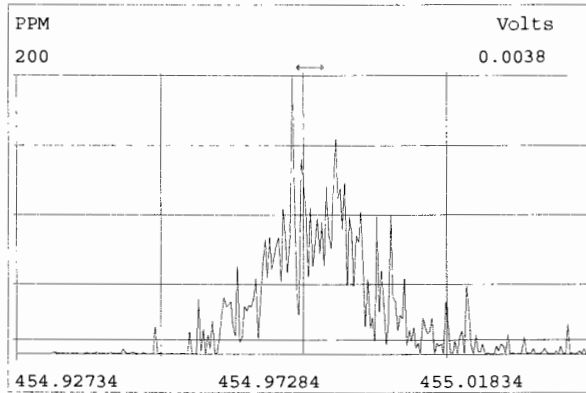
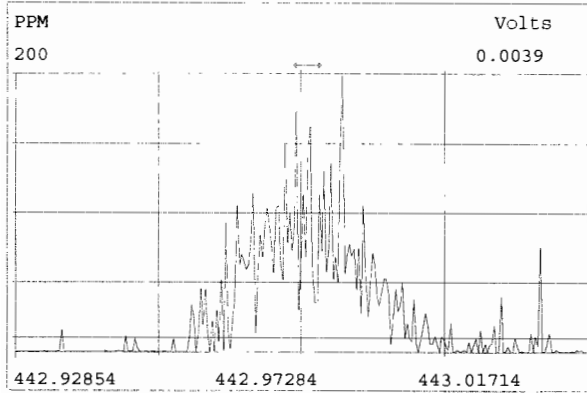
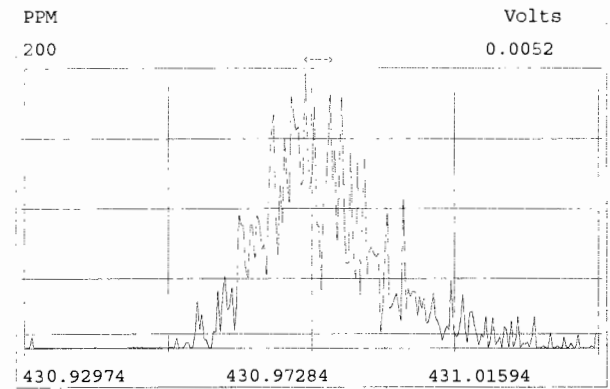
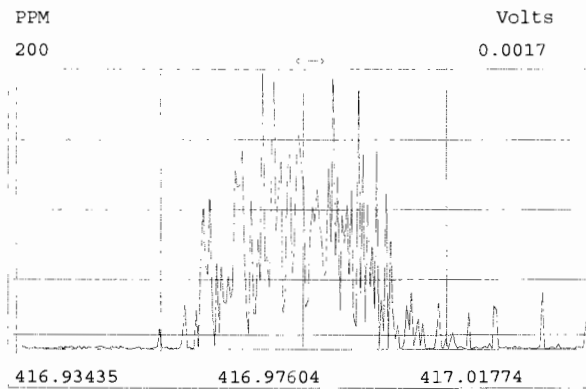
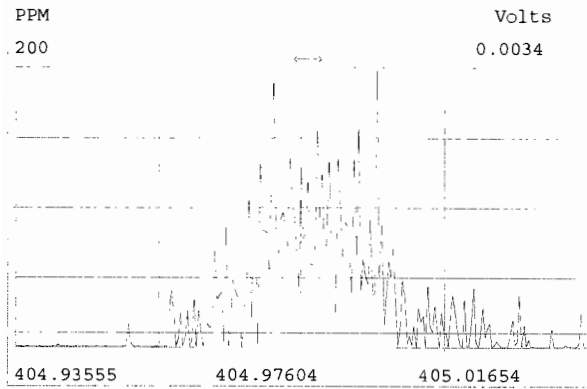


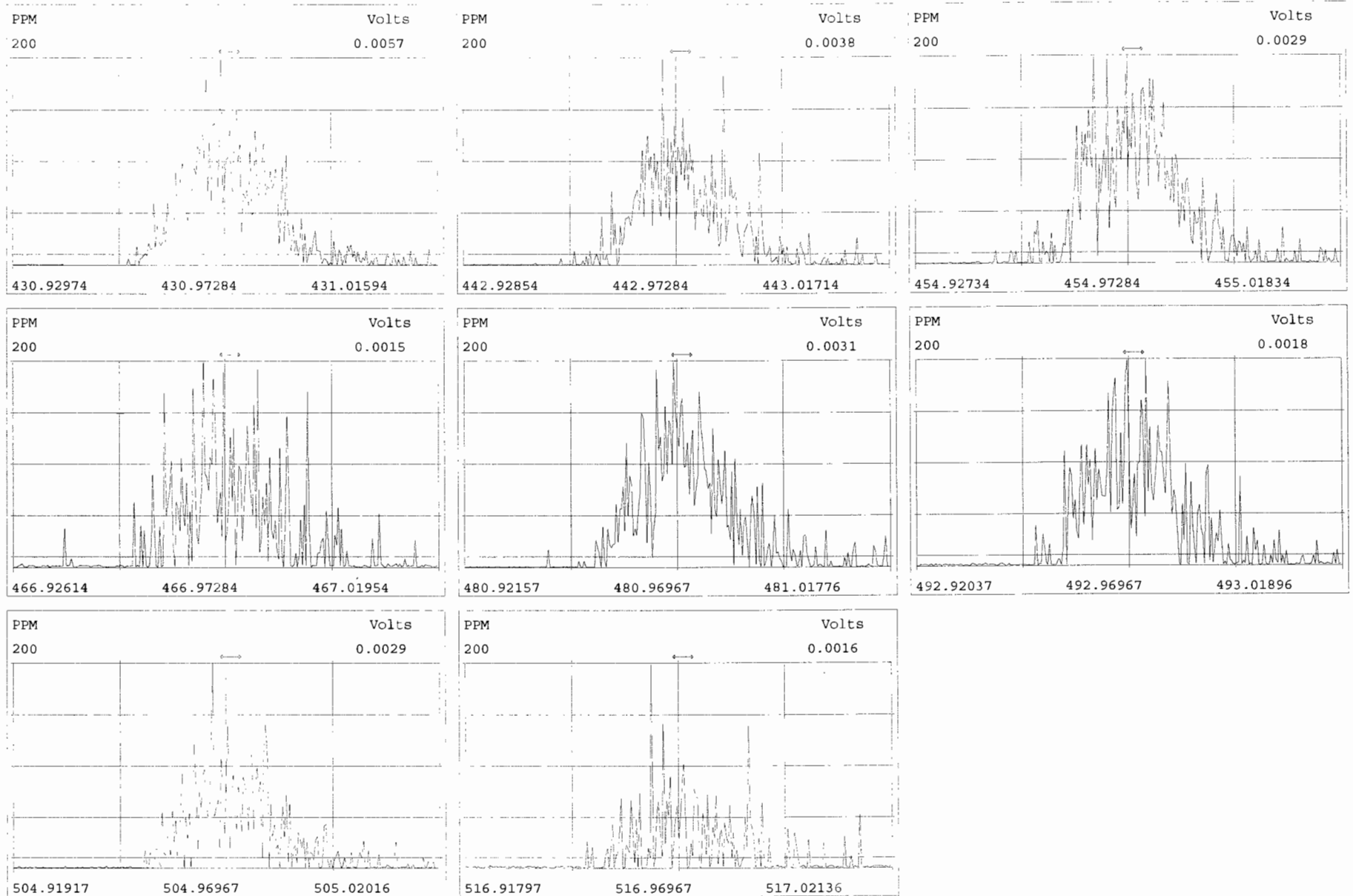
Peak Locate Examination:10-OCT-2019:06:41 File:RES_CHECK

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.	CONC.
	FORMING	ABUND.	LIMITS		FOUND	RANGE (3)
	RATIO (1)	RATIO	(2)		FOUND	(ng/mL)
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

LABELLED 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	0.72	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

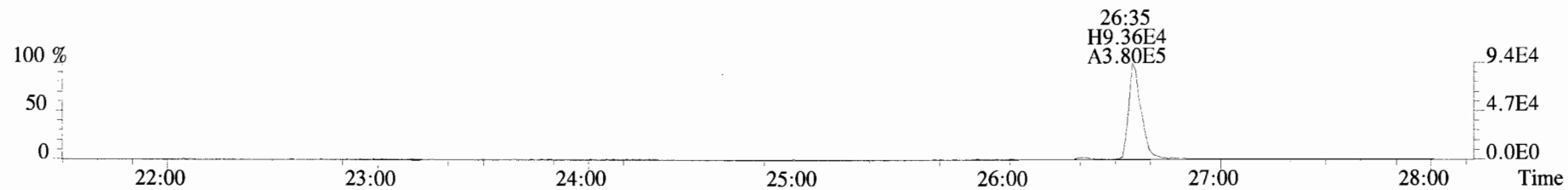
Filename: 191009D1 S:8 Acq: 9-OCT-19 21:46:34
GC Column ID: ZB-5MS ICal: 1613VG7-10-9-19 wt/vol: 1.000

ConCal: ST191009D1-4
EndCAL: NA

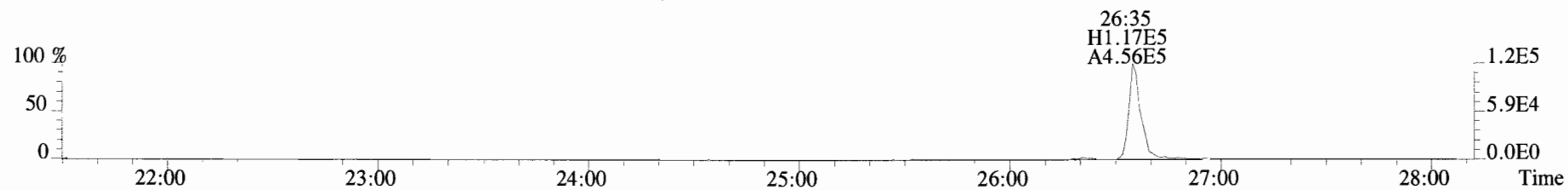
Name	Resp	RA	RRF	RT	Conc	Qual	noise	Fac	DL	Name	Conc	EMPC	Qual	noise	DL
2,3,7,8-TCDD	8.36e+05	0.83 y	0.91	26:36	10.234		* 2.5		*	Total Tetra-Dioxins	10.4	11.4		*	*
1,2,3,7,8-PeCDD	3.38e+06	0.63 y	0.90	30:57	51.323		* 2.5		*	Total Penta-Dioxins	51.4	51.7		*	*
1,2,3,4,7,8-HxCDD	2.55e+06	1.31 y	1.10	34:18	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									
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

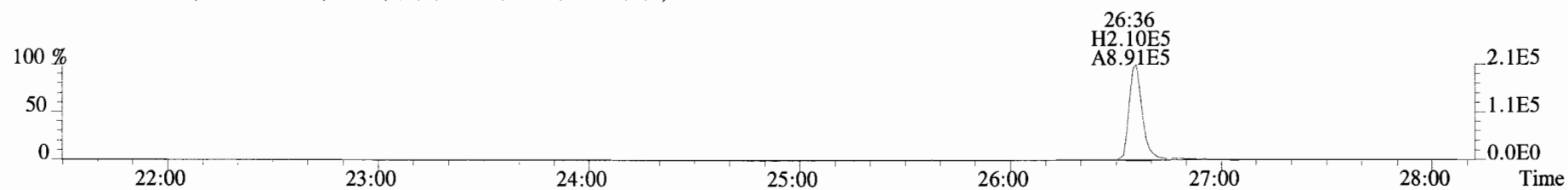
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
319.8965 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



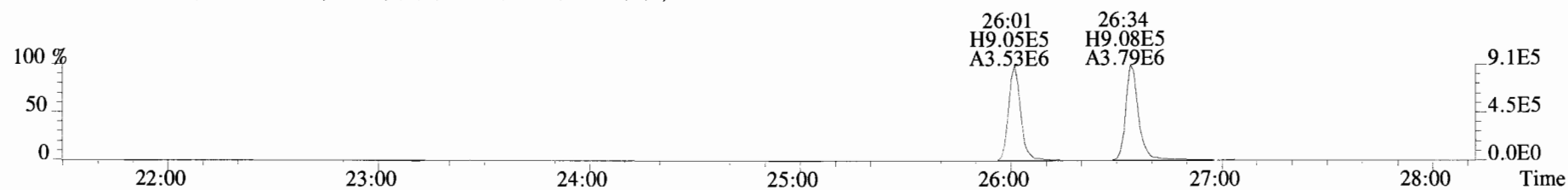
321.8936 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



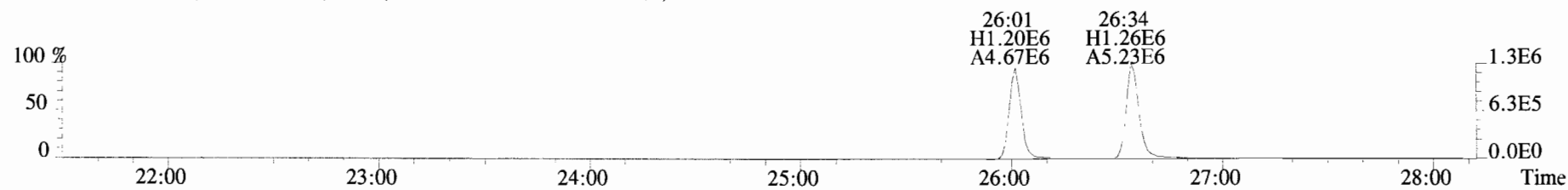
327.8847 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



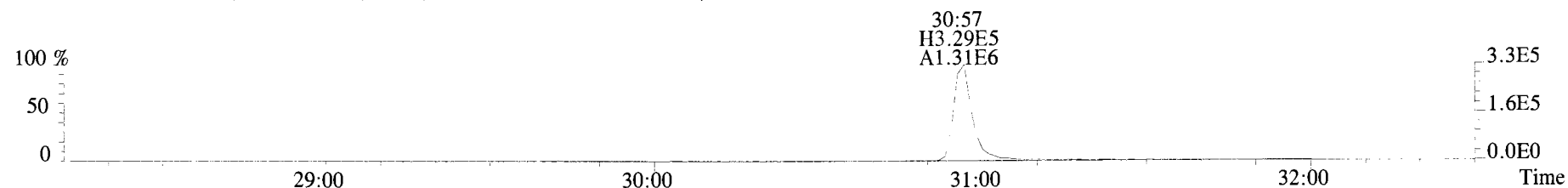
331.9368 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



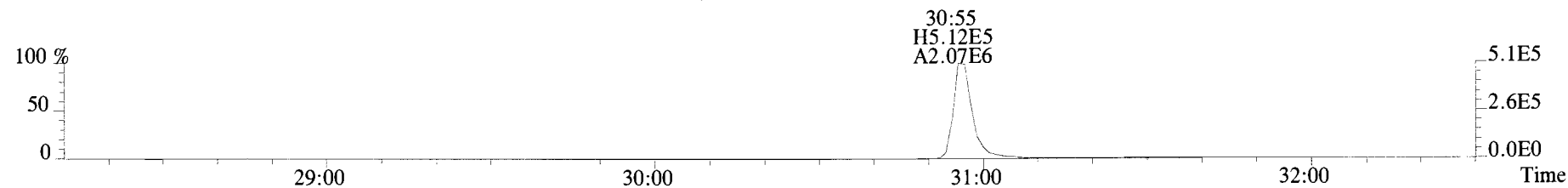
333.9339 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



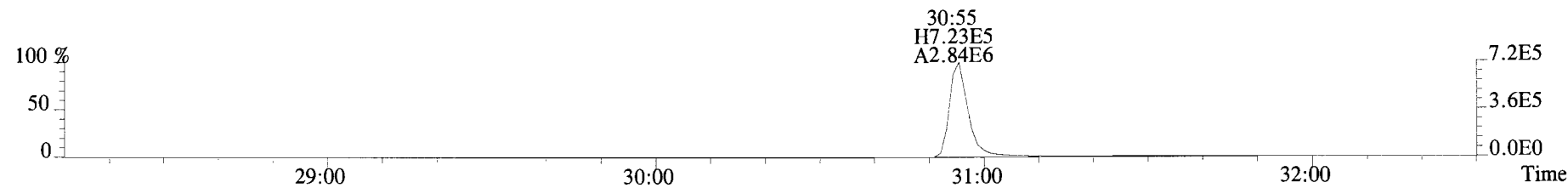
File:191009D1 #1-210 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text: Vista Analytical Laboratory VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
353.8576 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



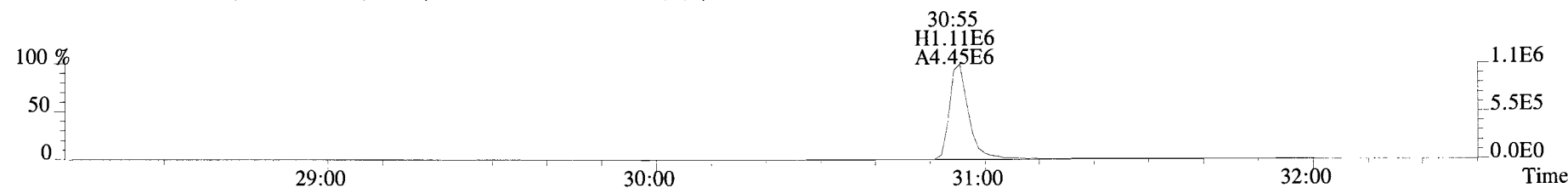
355.8546 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



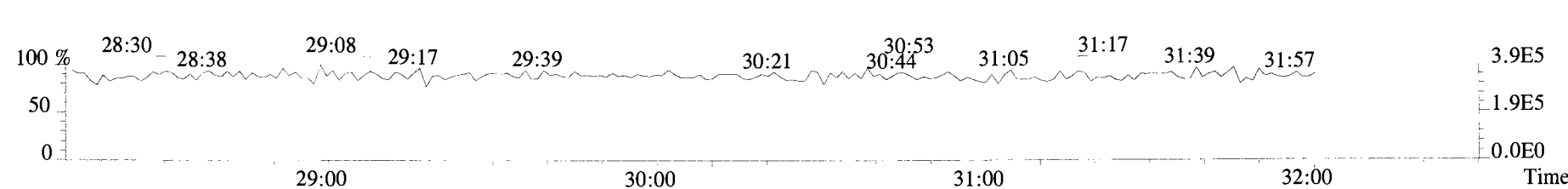
365.8978 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



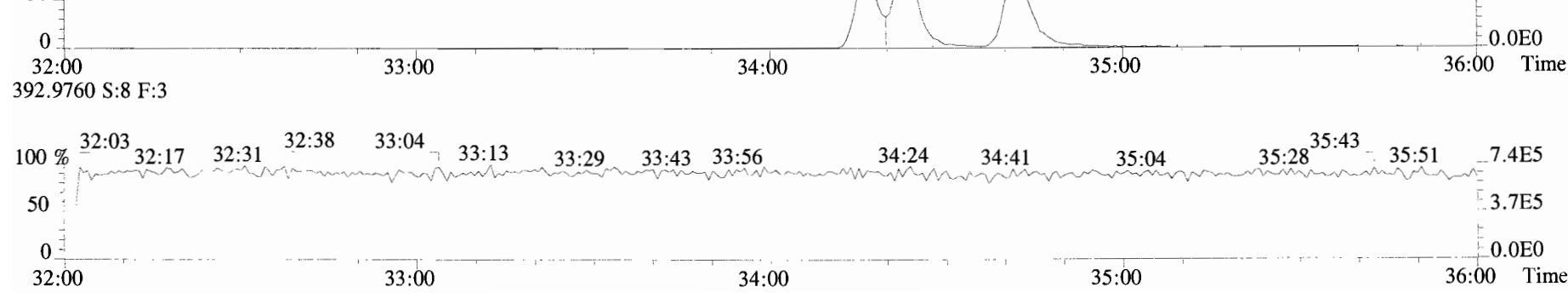
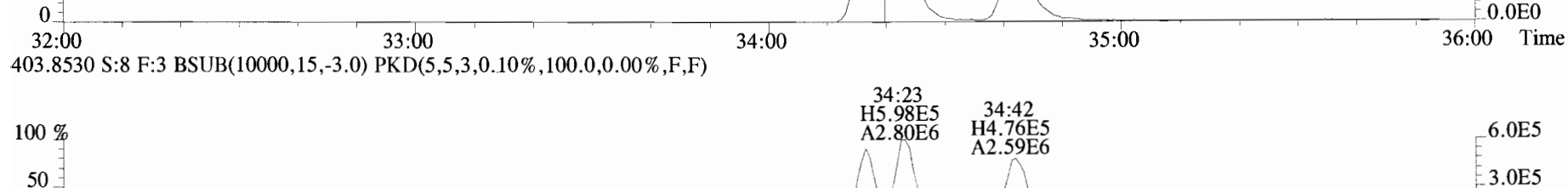
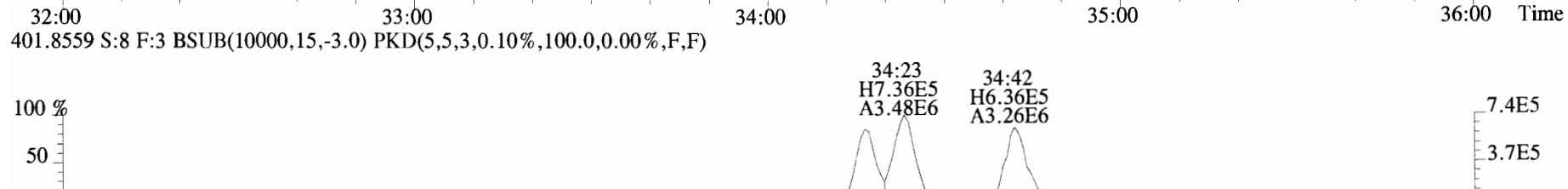
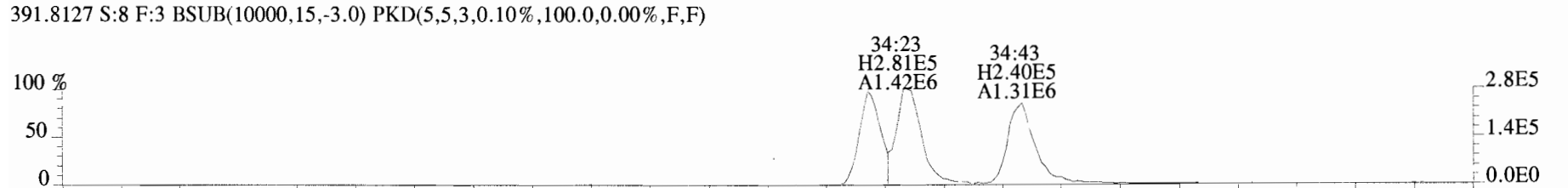
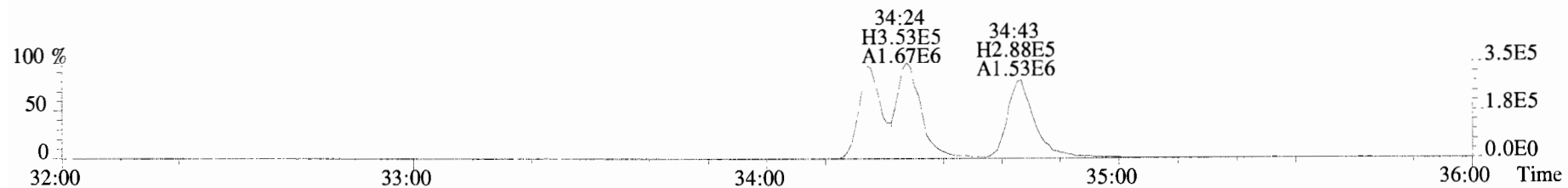
367.8949 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



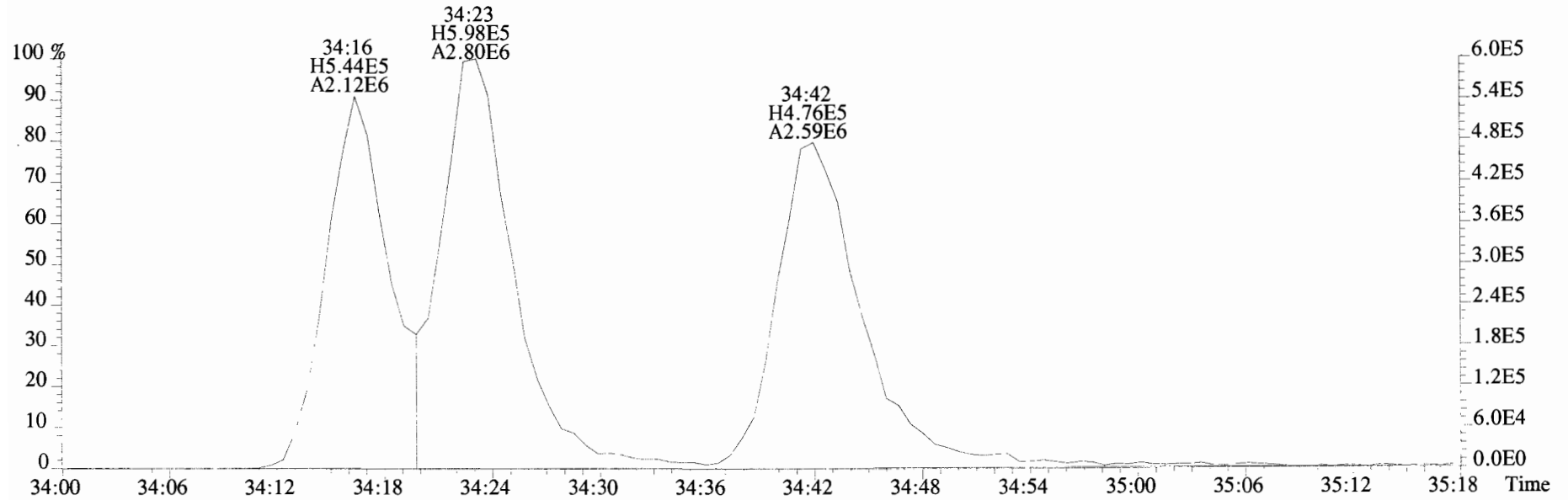
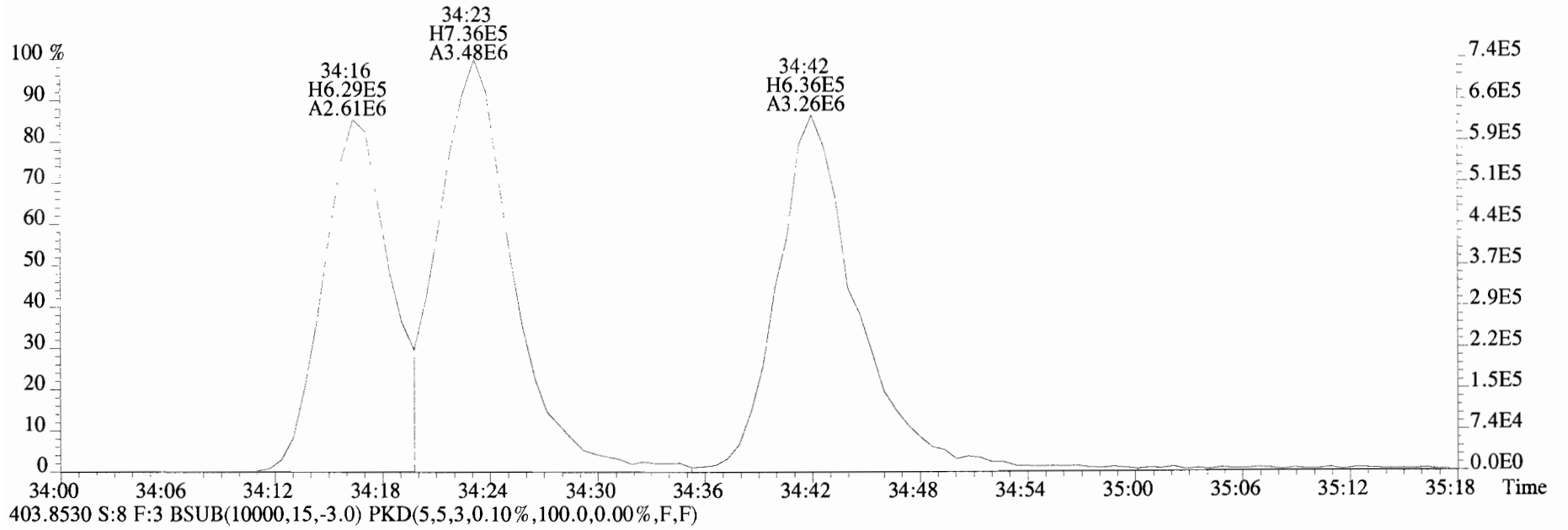
366.9792 S:8 F:2



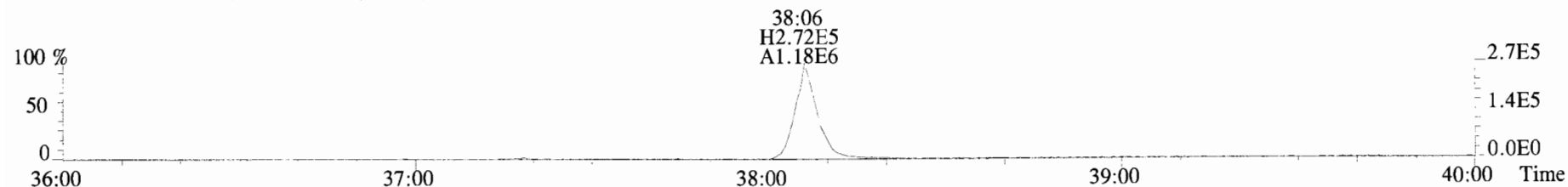
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
389.8156 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



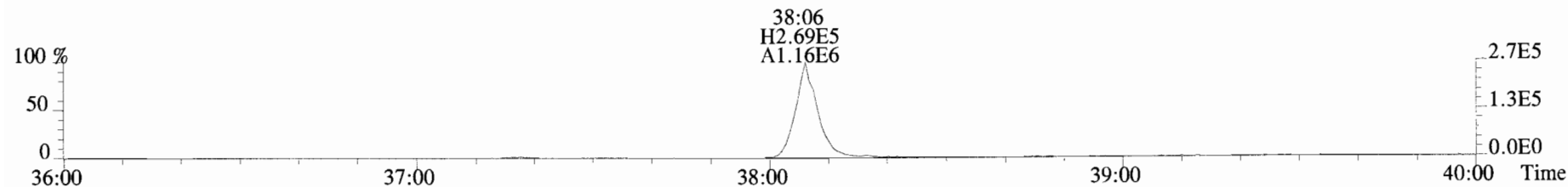
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
401.8559 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



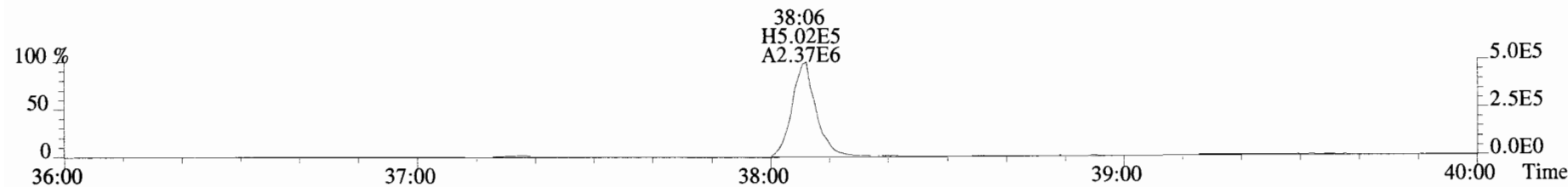
File:191009D1 #1-356 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
423.7767 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



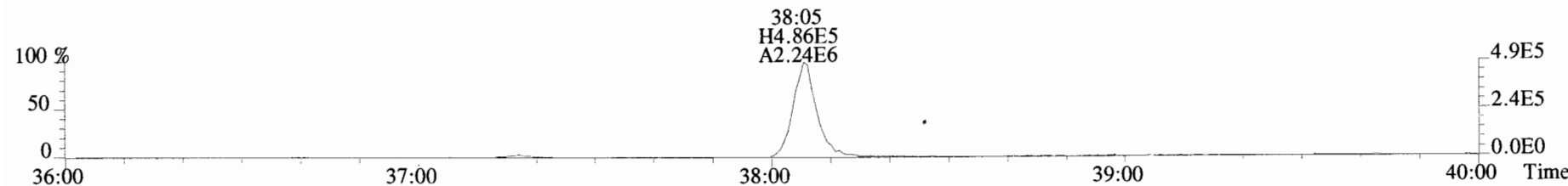
425.7737 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



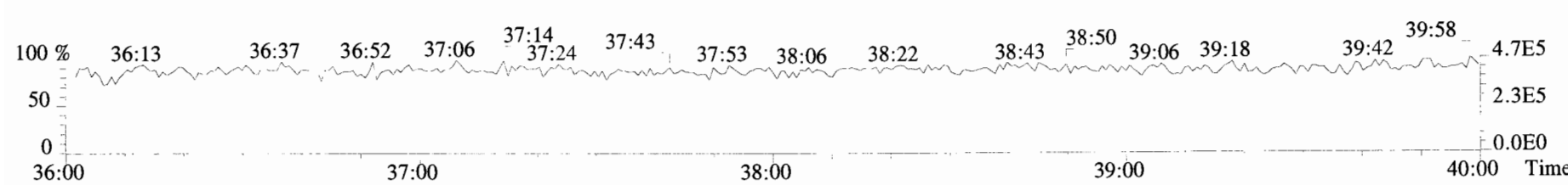
435.8169 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



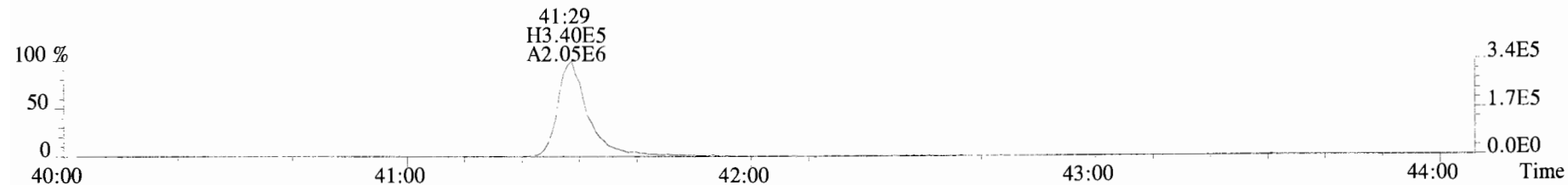
437.8140 S:8 F:4 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



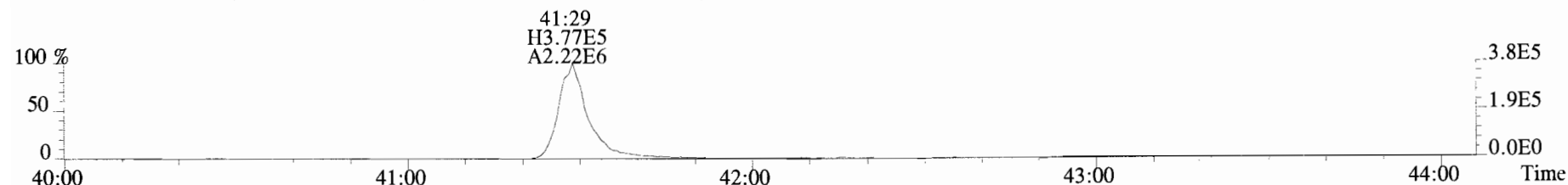
454.9728 S:8 F:4



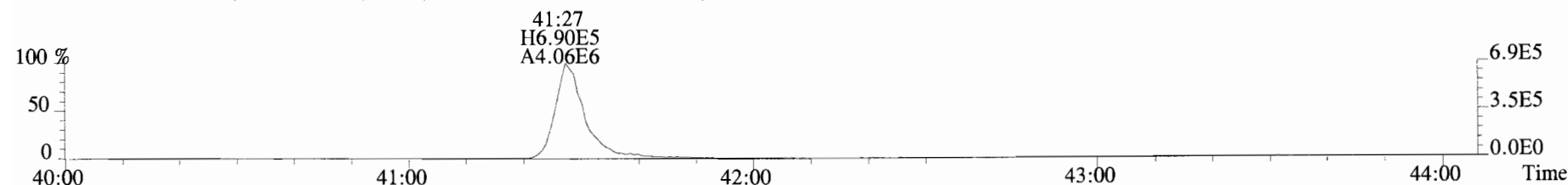
File:191009D1 #1-431 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
457.7377 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



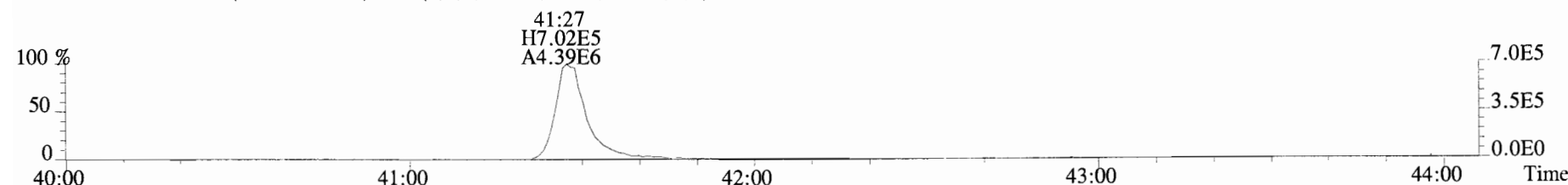
459.7348 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



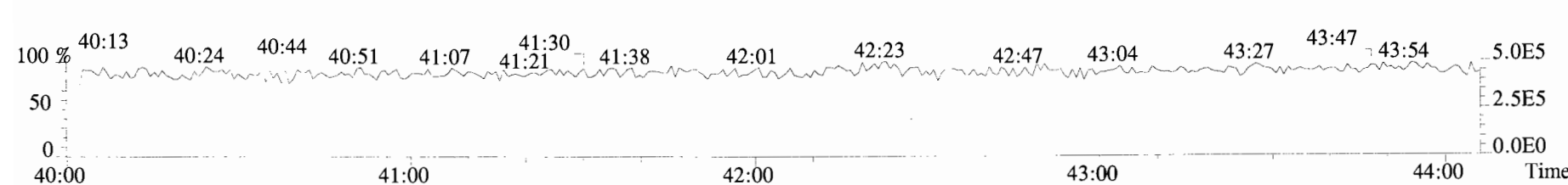
469.7780 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



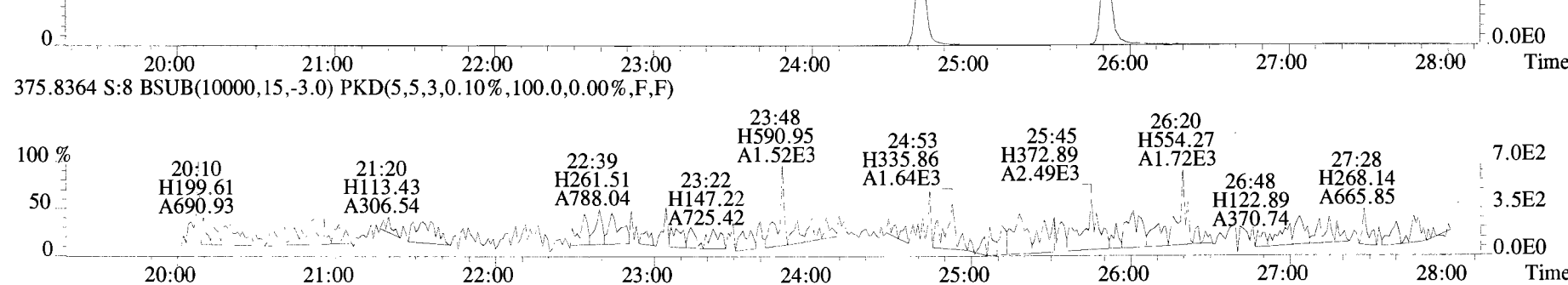
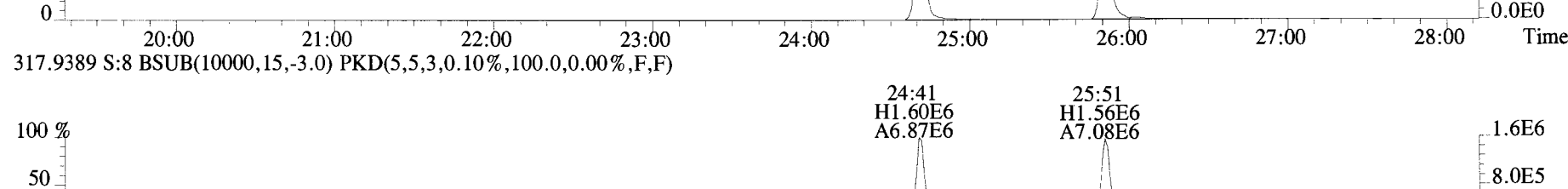
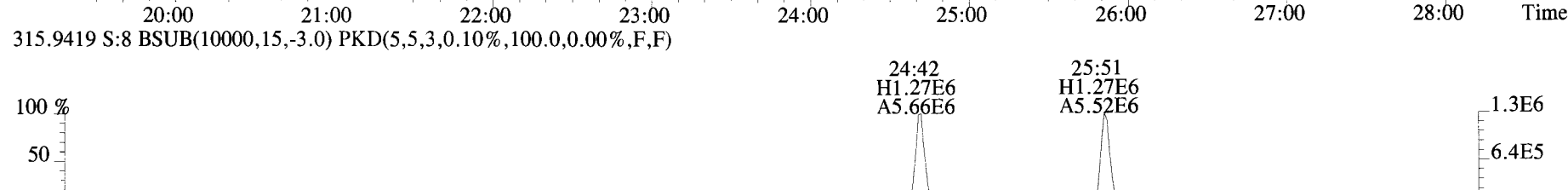
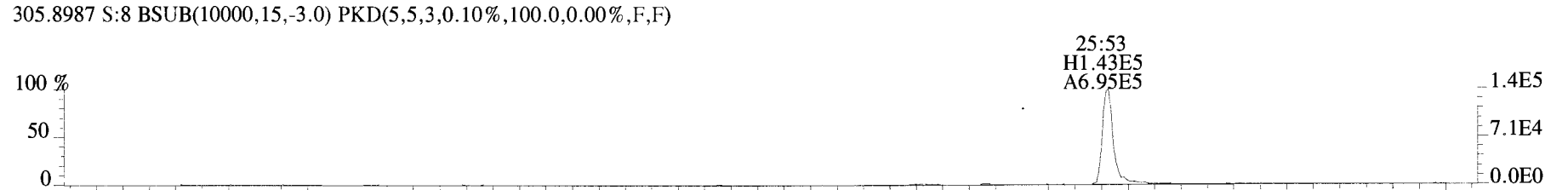
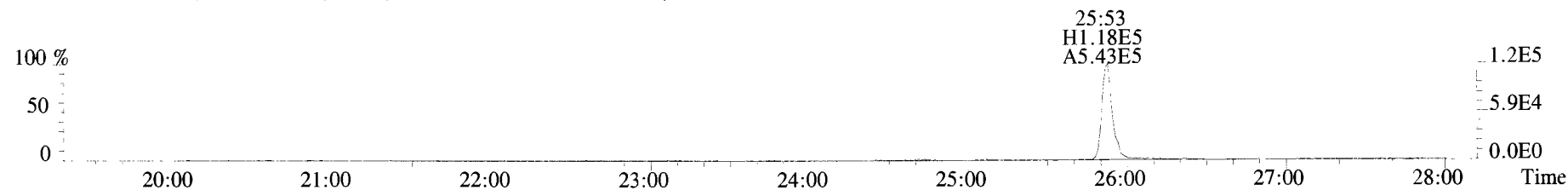
471.7750 S:8 F:5 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



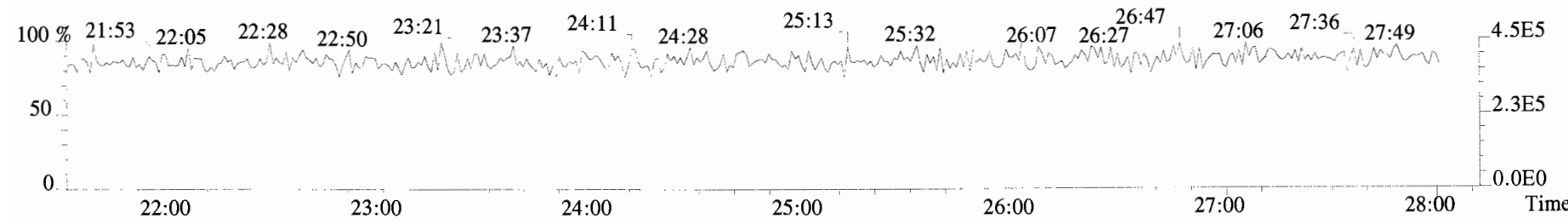
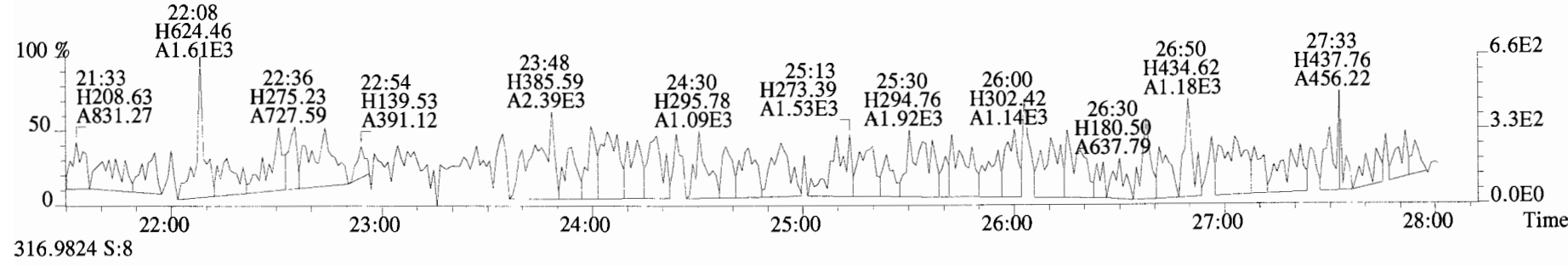
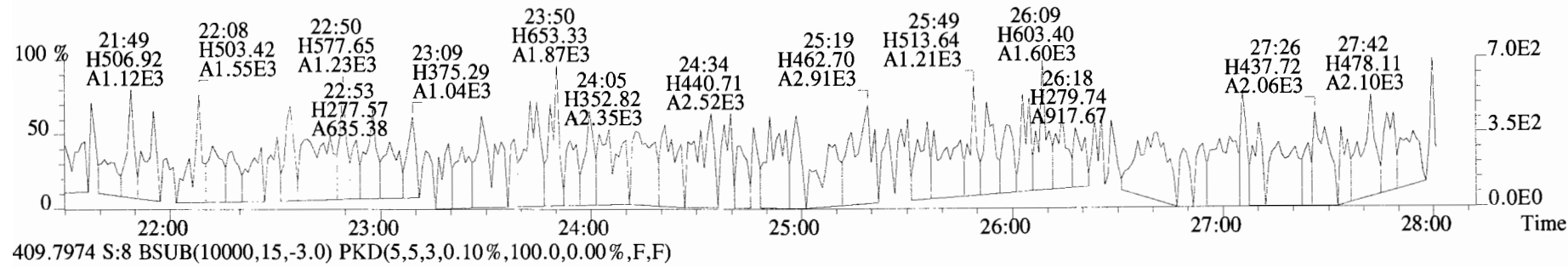
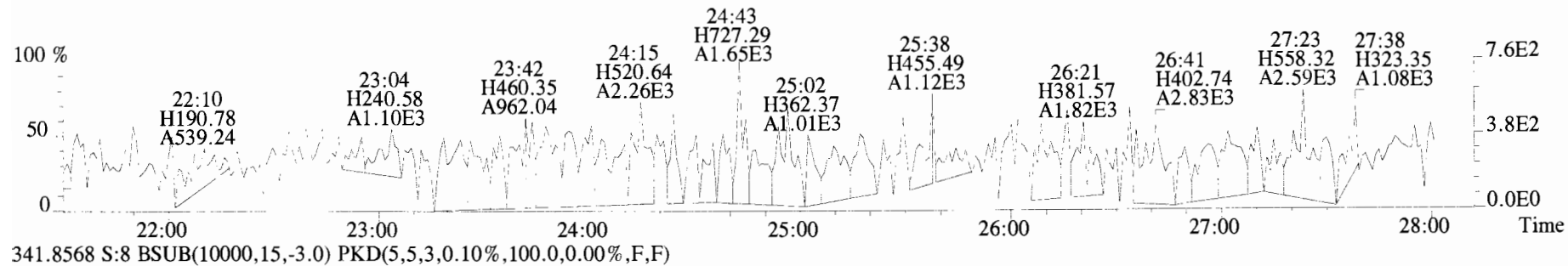
454.9728 S:8 F:5



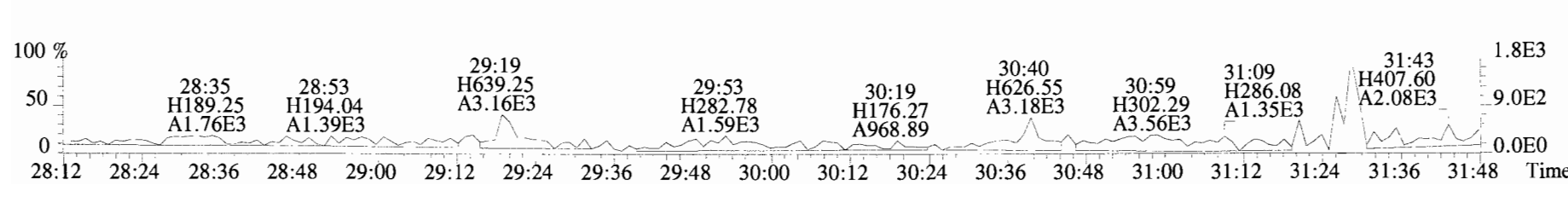
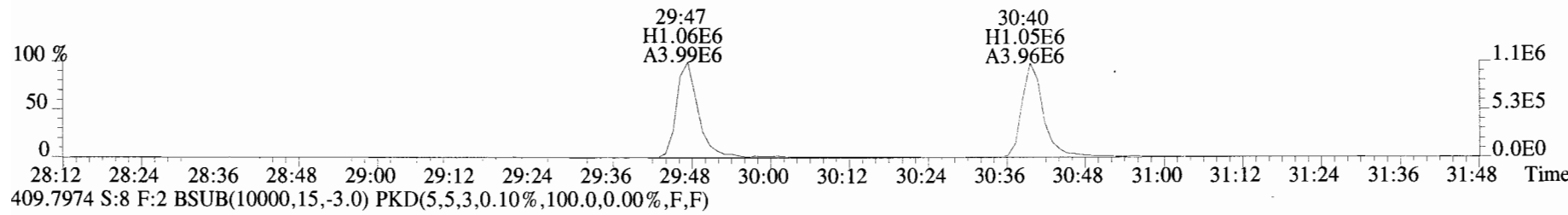
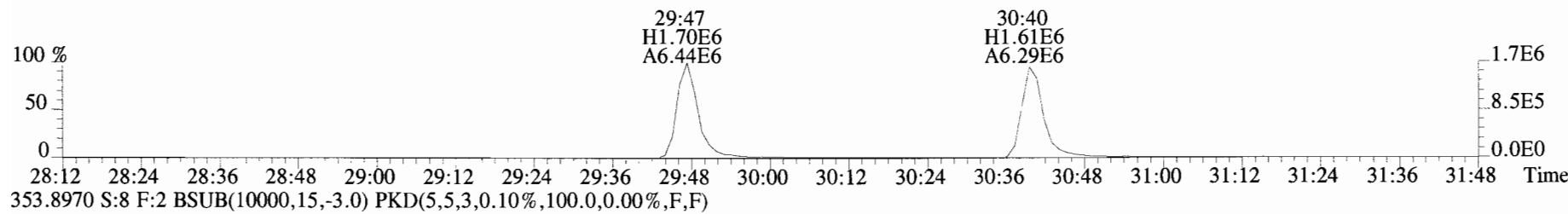
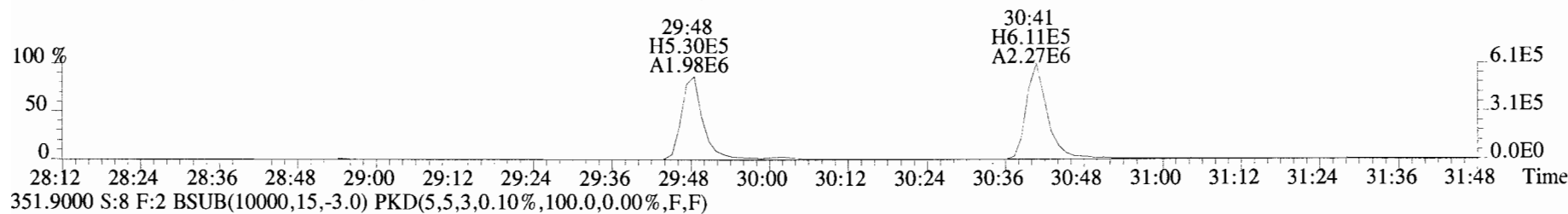
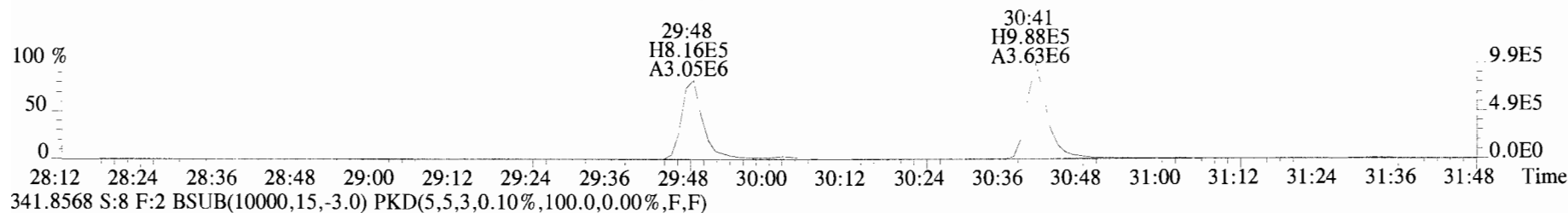
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text: Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 303.9016 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



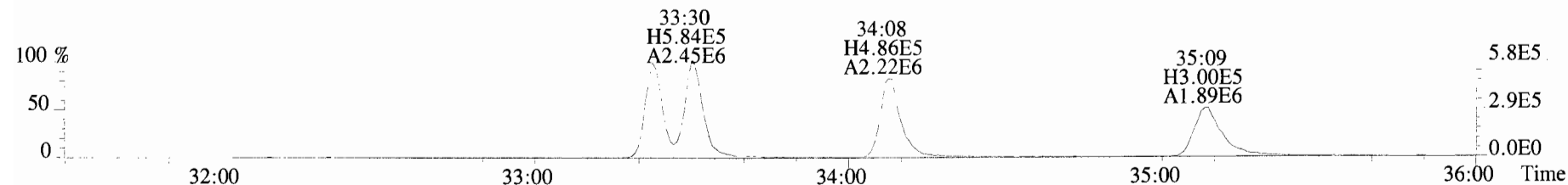
File:191009D1 #1-514 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 339.8597 S:8 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



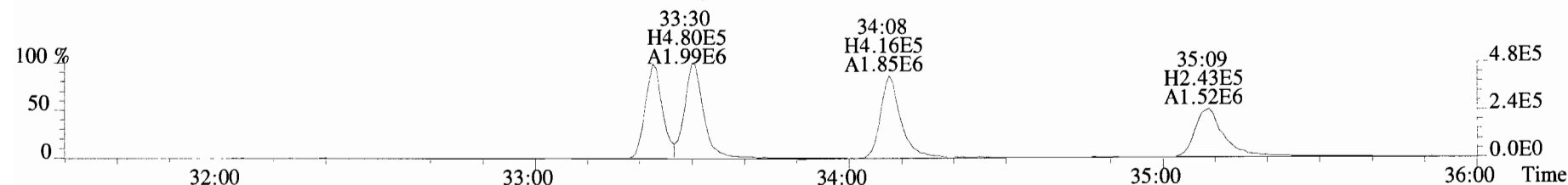
File:191009D1 #1-210 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
 Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
 339.8597 S:8 F:2 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



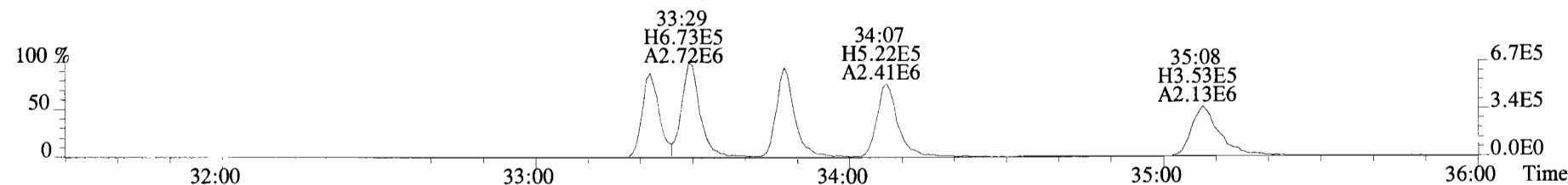
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista_Analytical_Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
373.8207 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



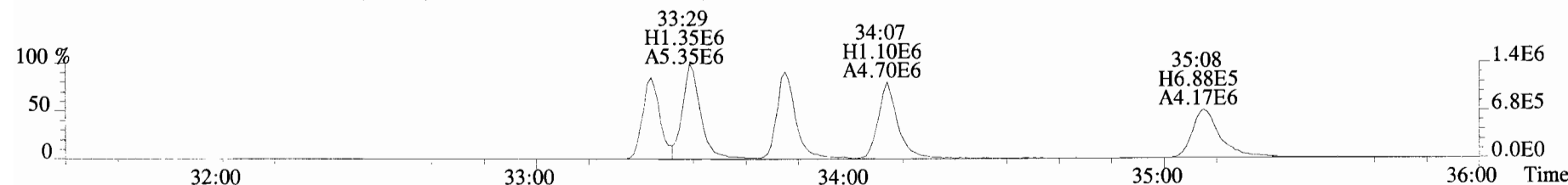
375.8178 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



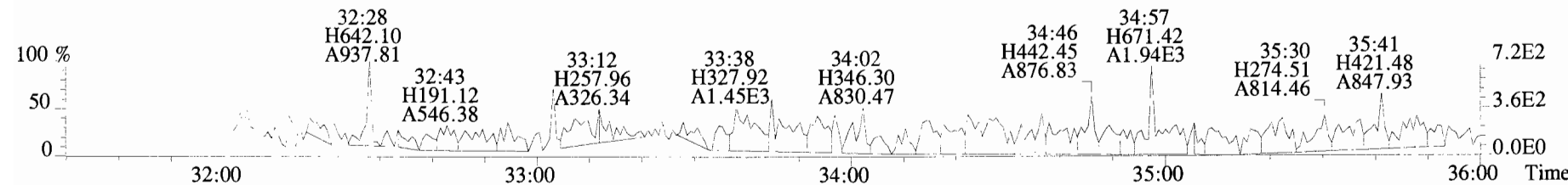
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



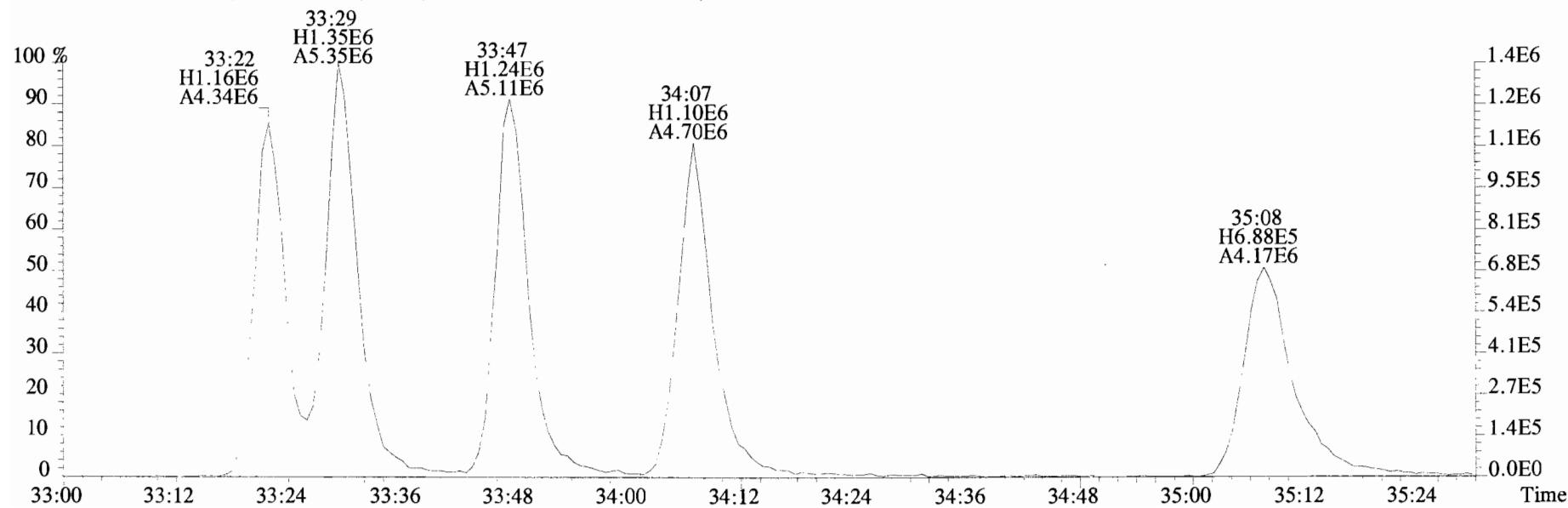
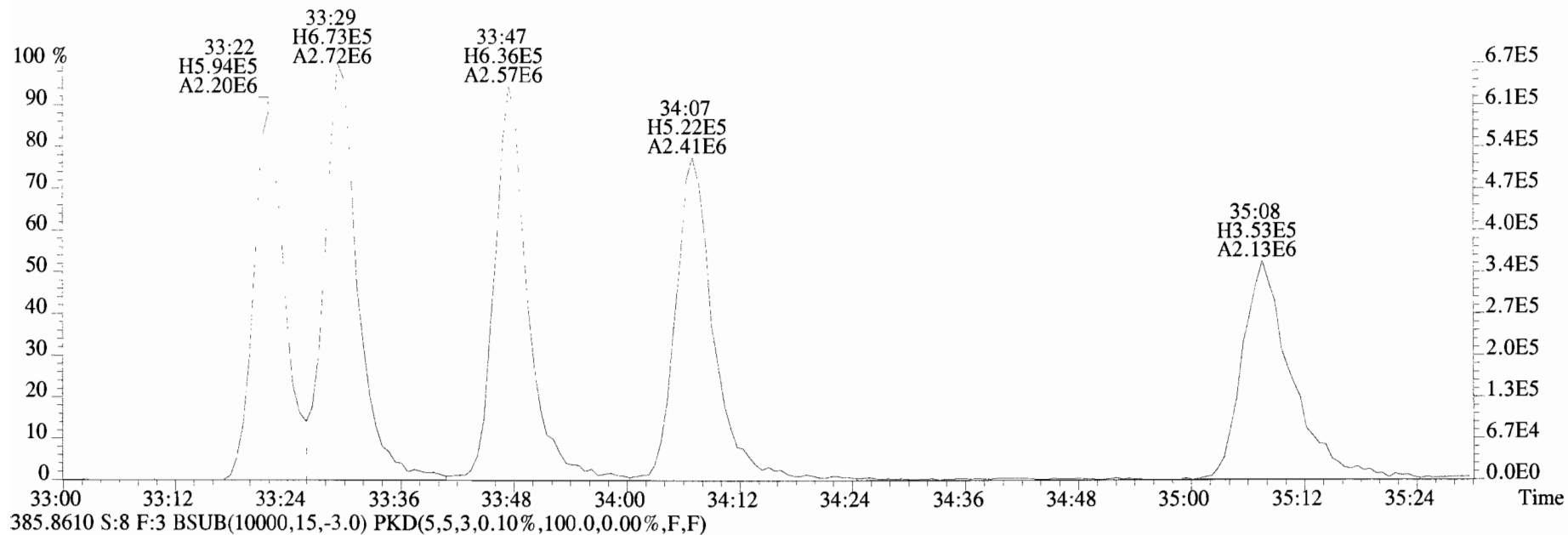
385.8610 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



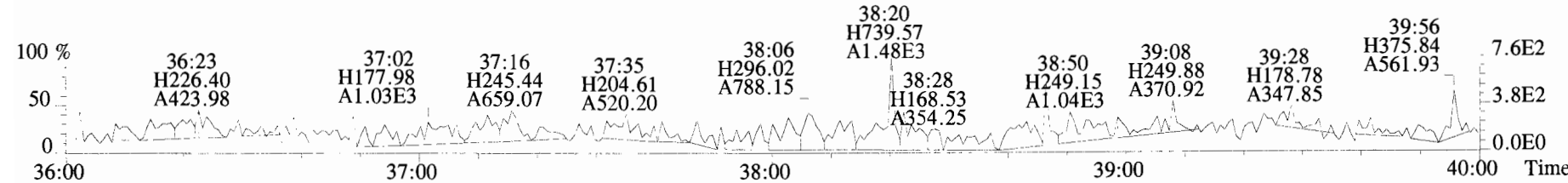
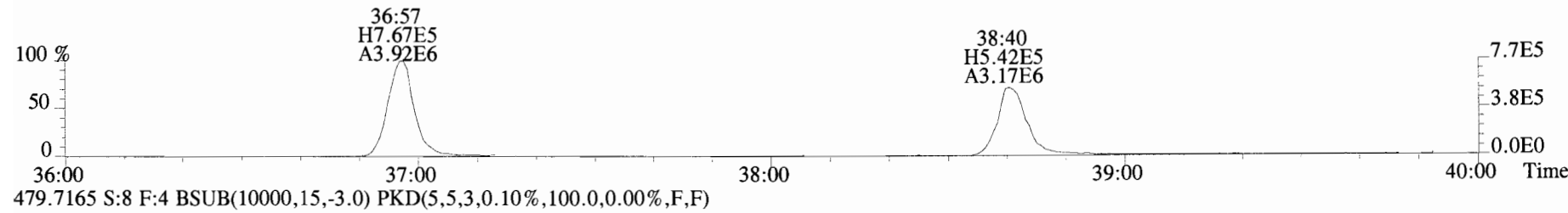
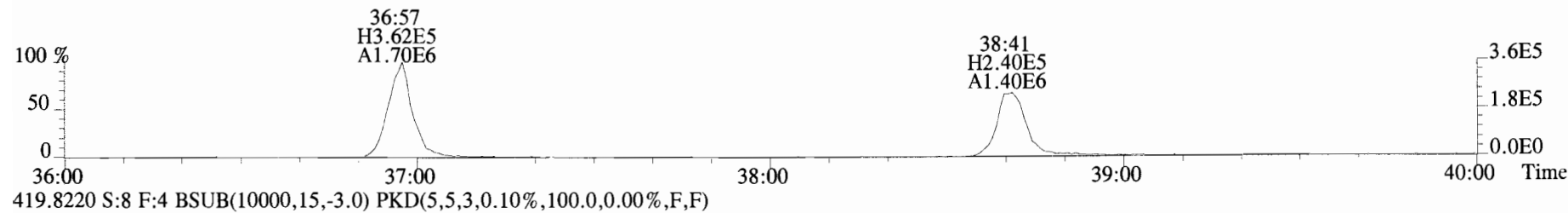
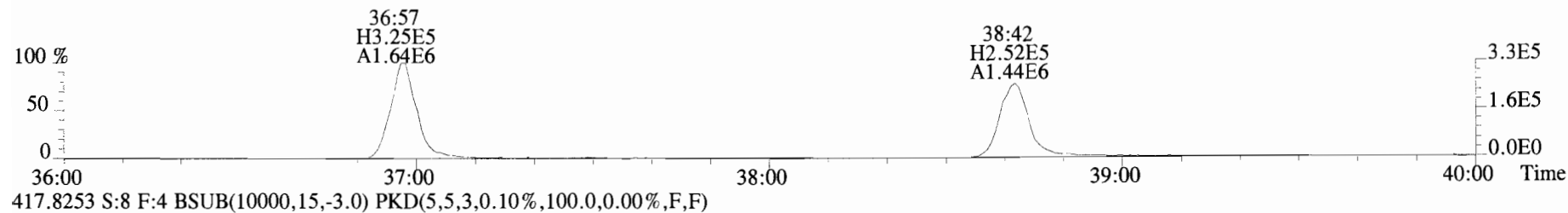
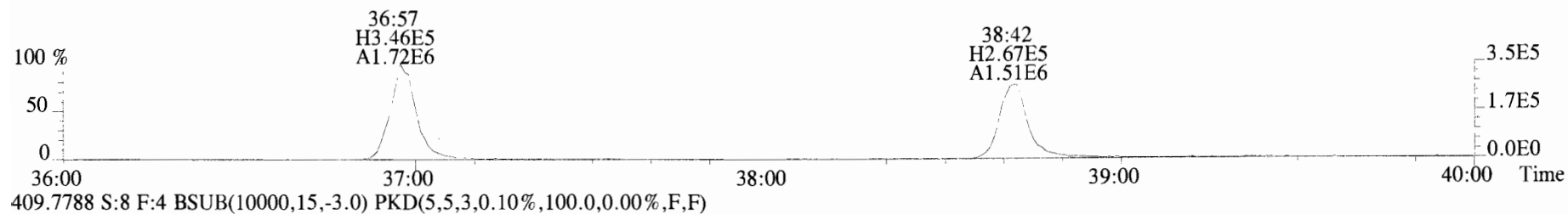
445.7555 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



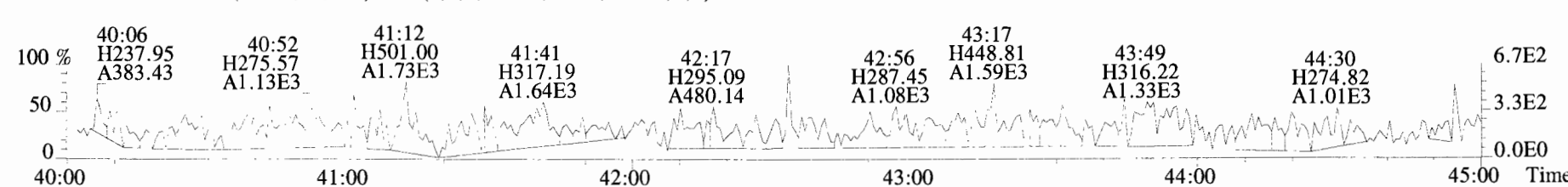
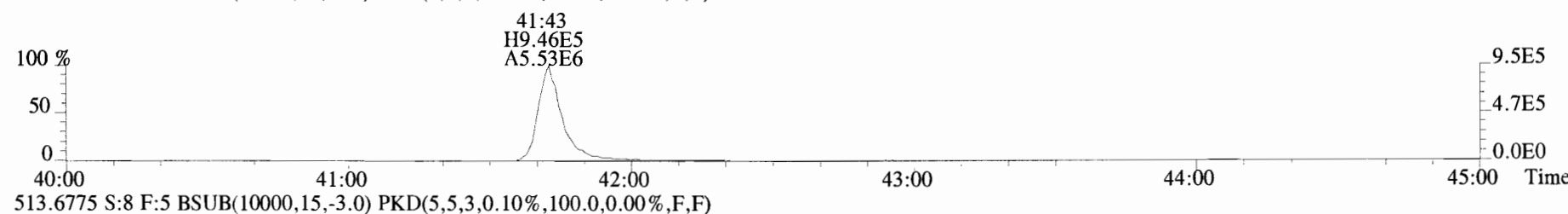
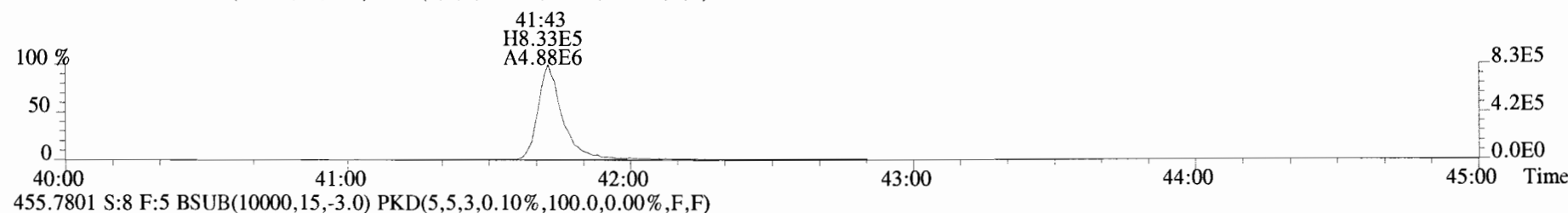
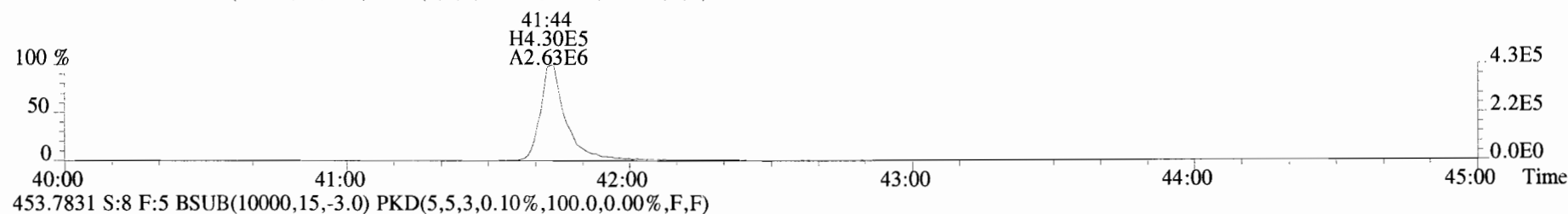
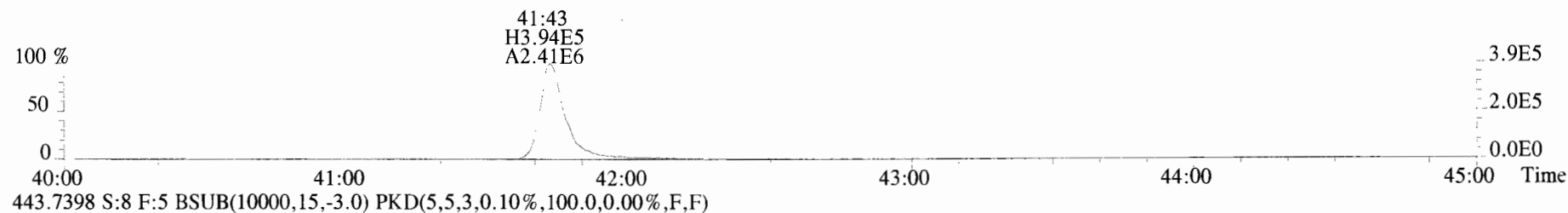
File:191009D1 #1-355 Acq: 9-OCT-2019 21:46:34 GC EI+ Voltage SIR Autospec-UltimaE
Sample#8 File Text:Vista Analytical Laboratory_VG7 Text:SS191009D1-1 1613 SSS 19C2207 Exp:OCDD_DB5
383.8639 S:8 F:3 BSUB(10000,15,-3.0) PKD(5,5,3,0.10%,100.0,0.00%,F,F)



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)



Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

He 5-8-19

DB 5/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-5-7-19.mdb 07 May 2019 12:51:47
 Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

Compound name: 2,3,7,8-TCDD
 Response Factor: 0.924948
 RRF SD: 0.0405637, Relative SD: 4.38551
 Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	0.250	0.88	NO	26.34	1.000	1.33e3	5.80e5	0.247	-1.2	0.914	MM
2	190507K1_3	10.0	0.78	NO	26.36	1.001	5.65e4	6.19e5	9.87	-1.3	0.913	MM
3	190507K1_4	0.500	0.80	NO	26.36	1.001	3.15e3	6.64e5	0.513	2.7	0.950	MM
4	190507K1_5	2.00	0.79	NO	26.34	1.001	1.19e4	6.91e5	1.85	-7.3	0.857	MM
5	190507K1_6	40.0	0.78	NO	26.36	1.001	2.26e5	6.01e5	40.7	1.8	0.941	bb
6	190507K1_7	300	0.78	NO	26.36	1.001	2.60e6	8.87e5	316	5.4	0.975	bb

Compound name: 1,2,3,7,8-PeCDD
 Response Factor: 0.904644
 RRF SD: 0.0649505, Relative SD: 7.17968
 Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	0.67	NO	31.14	1.001	4.13e3	3.79e5	1.20	-3.7	0.871	MM
2	190507K1_3	50.0	0.63	NO	31.14	1.001	1.80e5	4.47e5	44.5	-11.0	0.806	MM
3	190507K1_4	2.50	0.57	NO	31.14	1.001	1.07e4	4.65e5	2.54	1.6	0.919	bb
4	190507K1_5	10.0	0.66	NO	31.14	1.001	4.19e4	4.73e5	9.78	-2.2	0.885	MM
5	190507K1_6	200	0.61	NO	31.14	1.001	8.32e5	4.25e5	216	8.1	0.978	bb
6	190507K1_7	1500	0.62	NO	31.14	1.001	1.00e7	6.89e5	1610	7.1	0.969	MM

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 1,2,3,4,7,8-HxCDD

Response Factor: 1.06909

RRF SD: 0.071776, Relative SD: 6.71372

Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.38	NO	34.42	1.001	3.85e3	3.03e5	1.19	-4.8	1.02	bd
2	190507K1_3	50.0	1.28	NO	34.42	1.000	1.76e5	3.36e5	49.0	-2.0	1.05	bd
3	190507K1_4	2.50	1.25	NO	34.41	1.000	8.65e3	3.49e5	2.32	-7.4	0.990	bd
4	190507K1_5	10.0	1.24	NO	34.41	1.000	3.88e4	3.69e5	9.82	-1.8	1.05	MM
5	190507K1_6	200	1.25	NO	34.41	1.000	7.36e5	3.27e5	210	5.2	1.13	bd
6	190507K1_7	1500	1.25	NO	34.42	1.001	9.53e6	5.37e5	1660	10.7	1.18	bd

Compound name: 1,2,3,6,7,8-HxCDD

Response Factor: 0.967479

RRF SD: 0.0402916, Relative SD: 4.16459

Response type: Internal Std (Ref 21), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.40	NO	34.53	1.001	4.41e3	3.71e5	1.23	-1.6	0.952	MM
2	190507K1_3	50.0	1.26	NO	34.53	1.000	1.92e5	4.10e5	48.5	-3.0	0.938	db
3	190507K1_4	2.50	1.17	NO	34.53	1.001	9.34e3	4.07e5	2.37	-5.1	0.918	MM
4	190507K1_5	10.0	1.22	NO	34.52	1.000	4.16e4	4.30e5	9.99	-0.1	0.967	db
5	190507K1_6	200	1.25	NO	34.52	1.000	7.88e5	3.86e5	211	5.5	1.02	db
6	190507K1_7	1500	1.25	NO	34.52	1.000	1.02e7	6.73e5	1560	4.3	1.01	db

Compound name: 1,2,3,7,8,9-HxCDD

Response Factor: 0.977795

RRF SD: 0.0369, Relative SD: 3.7738

Response type: Internal Std (Ref 22), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.09	NO	34.81	1.000	3.66e3	2.90e5	1.29	3.2	1.01	MM
2	190507K1_3	50.0	1.35	NO	34.81	1.000	1.63e5	3.44e5	48.4	-3.2	0.947	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 1,2,3,7,8,9-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190507K1_4	2.50	1.22	NO	34.80	1.000	8.28e3	3.44e5	2.46	-1.4	0.964	MM
4	190507K1_5	10.0	1.22	NO	34.80	1.000	3.65e4	3.93e5	9.51	-4.9	0.929	bb
5	190507K1_6	200	1.22	NO	34.80	1.000	6.68e5	3.27e5	209	4.6	1.02	MM
6	190507K1_7	1500	1.20	NO	34.81	1.000	8.68e6	5.82e5	1530	1.8	0.995	MM

Compound name: 1,2,3,4,6,7,8-HpCDD

Response Factor: 1.03751

RRF SD: 0.0369608, Relative SD: 3.56246

Response type: Internal Std (Ref 23), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	1.25	0.97	NO	38.32	1.001	3.20e3	2.52e5	1.23	-1.9	1.02	MM
2	190507K1_3	50.0	1.03	NO	38.32	1.000	1.42e5	2.76e5	49.5	-0.9	1.03	bb
3	190507K1_4	2.50	1.16	NO	38.31	1.000	7.08e3	2.70e5	2.53	1.0	1.05	bb
4	190507K1_5	10.0	1.05	NO	38.31	1.000	2.98e4	3.04e5	9.46	-5.4	0.981	MM
5	190507K1_6	200	1.03	NO	38.31	1.000	5.83e5	2.74e5	205	2.5	1.06	MM
6	190507K1_7	1500	1.05	NO	38.31	1.000	7.58e6	4.65e5	1570	4.8	1.09	bb

Compound name: OCDD

Response Factor: 0.971773

RRF SD: 0.0504127, Relative SD: 5.1877

Response type: Internal Std (Ref 24), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	2.50	0.90	NO	41.48	1.001	5.20e3	4.62e5	2.32	-7.4	0.900	MM
2	190507K1_3	100	0.90	NO	41.48	1.000	2.35e5	4.72e5	103	2.6	0.997	MM
3	190507K1_4	5.00	0.95	NO	41.46	1.000	1.13e4	4.66e5	4.97	-0.5	0.966	MM
4	190507K1_5	20.0	0.89	NO	41.47	1.000	4.71e4	5.06e5	19.2	-4.2	0.931	MM
5	190507K1_6	400	0.90	NO	41.47	1.000	9.61e5	4.83e5	410	2.4	0.995	MM
6	190507K1_7	3000	0.90	NO	41.48	1.000	1.35e7	8.65e5	3210	7.0	1.04	MM

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 2,3,7,8-TCDF

Response Factor: 0.937613
 RRF SD: 0.0427885, Relative SD: 4.56356
 Response type: Internal Std (Ref 25), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	0.250	0.81	NO	25.50	1.001	1.85e3	8.07e5	0.245	-2.1	0.918	MM
2	190507K1_3	10.0	0.78	NO	25.51	1.001	7.75e4	8.61e5	9.59	-4.1	0.899	bb
3	190507K1_4	0.500	0.80	NO	25.50	1.001	4.06e3	8.97e5	0.482	-3.6	0.904	MM
4	190507K1_5	2.00	0.77	NO	25.50	1.001	1.71e4	9.28e5	1.97	-1.7	0.922	bb
5	190507K1_6	40.0	0.77	NO	25.50	1.001	3.18e5	8.09e5	42.0	5.0	0.984	bb
6	190507K1_7	300	0.78	NO	25.51	1.001	3.44e6	1.15e6	320	6.5	0.999	bb

Compound name: 1,2,3,7,8-PeCDF

Response Factor: 0.976196
 RRF SD: 0.0578773, Relative SD: 5.92886
 Response type: Internal Std (Ref 26), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.71	NO	29.89	1.000	6.85e3	6.20e5	1.13	-9.3	0.885	MM
2	190507K1_3	50.0	1.58	NO	29.91	1.001	3.23e5	6.71e5	49.3	-1.4	0.962	bb
3	190507K1_4	2.50	1.55	NO	29.89	1.000	1.67e4	6.91e5	2.48	-0.8	0.968	MM
4	190507K1_5	10.0	1.65	NO	29.89	1.000	6.93e4	7.19e5	9.86	-1.4	0.963	bd
5	190507K1_6	200	1.63	NO	29.89	1.000	1.34e6	6.45e5	213	6.7	1.04	bd
6	190507K1_7	1500	1.57	NO	29.91	1.001	1.58e7	1.02e6	1590	6.3	1.04	bb

Compound name: 2,3,4,7,8-PeCDF

Response Factor: 1.00488
 RRF SD: 0.0625517, Relative SD: 6.22482
 Response type: Internal Std (Ref 27), Area * (IS Conc. / IS Area)
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.69	NO	30.86	1.001	6.68e3	5.77e5	1.15	-7.8	0.926	MM
2	190507K1_3	50.0	1.58	NO	30.86	1.001	3.17e5	6.35e5	49.7	-0.5	1.00	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 2,3,4,7,8-PeCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190507K1_4	2.50	1.59	NO	30.86	1.001	1.67e4	6.65e5	2.50	0.0	1.00	bb
4	190507K1_5	10.0	1.58	NO	30.86	1.001	6.82e4	7.20e5	9.42	-5.8	0.947	bb
5	190507K1_6	200	1.58	NO	30.86	1.001	1.34e6	6.22e5	214	6.9	1.07	bb
6	190507K1_7	1500	1.58	NO	30.86	1.001	1.61e7	9.94e5	1610	7.2	1.08	bb

Compound name: 1,2,3,4,7,8-HxCDF

Response Factor: 1.24344

RRF SD: 0.0556273, Relative SD: 4.47366

Response type: Internal Std (Ref 28), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.34	NO	33.54	1.000	6.00e3	4.01e5	1.20	-3.7	1.20	bd
2	190507K1_3	50.0	1.25	NO	33.56	1.001	2.69e5	4.41e5	49.1	-1.8	1.22	bd
3	190507K1_4	2.50	1.24	NO	33.54	1.001	1.35e4	4.57e5	2.38	-4.9	1.18	bd
4	190507K1_5	10.0	1.26	NO	33.54	1.001	5.97e4	4.82e5	9.96	-0.4	1.24	bd
5	190507K1_6	200	1.24	NO	33.54	1.000	1.10e6	4.20e5	211	5.5	1.31	bd
6	190507K1_7	1500	1.24	NO	33.54	1.000	1.38e7	7.03e5	1580	5.4	1.31	bd

Compound name: 1,2,3,6,7,8-HxCDF

Response Factor: 1.09501

RRF SD: 0.0731388, Relative SD: 6.67929

Response type: Internal Std (Ref 29), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.35	NO	33.67	1.000	6.12e3	4.90e5	1.14	-8.8	0.999	MM
2	190507K1_3	50.0	1.26	NO	33.68	1.000	3.02e5	5.46e5	50.5	1.0	1.11	MM
3	190507K1_4	2.50	1.14	NO	33.68	1.001	1.42e4	5.55e5	2.33	-6.7	1.02	MM
4	190507K1_5	10.0	1.22	NO	33.67	1.000	6.32e4	5.73e5	10.1	0.7	1.10	MM
5	190507K1_6	200	1.23	NO	33.67	1.000	1.18e6	5.09e5	211	5.5	1.16	db
6	190507K1_7	1500	1.24	NO	33.68	1.000	1.52e7	8.53e5	1620	8.3	1.19	db

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 2,3,4,6,7,8-HxCDF

Response Factor: 1.1806

RRF SD: 0.0976101, Relative SD: 8.26786

Response type: Internal Std (Ref 30), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.22	NO	34.26	1.000	5.74e3	4.48e5	1.09	-13.1	1.03	MM
2	190507K1_3	50.0	1.26	NO	34.27	1.001	2.75e5	4.57e5	51.0	2.0	1.20	bb
3	190507K1_4	2.50	1.27	NO	34.26	1.000	1.40e4	4.86e5	2.43	-2.7	1.15	bd
4	190507K1_5	10.0	1.22	NO	34.26	1.001	5.76e4	5.05e5	9.67	-3.3	1.14	MM
5	190507K1_6	200	1.25	NO	34.26	1.001	1.12e6	4.40e5	216	8.1	1.28	bb
6	190507K1_7	1500	1.24	NO	34.26	1.000	1.40e7	7.27e5	1640	9.1	1.29	MM

Compound name: 1,2,3,7,8,9-HxCDF

Response Factor: 1.07281

RRF SD: 0.121558, Relative SD: 11.3308

Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.19	NO	35.17	1.000	3.73e3	3.43e5	1.01	-19.1	0.868	MM
2	190507K1_3	50.0	1.25	NO	35.19	1.000	2.00e5	3.80e5	49.1	-1.8	1.05	MM
3	190507K1_4	2.50	1.26	NO	35.18	1.000	1.02e4	3.91e5	2.42	-3.1	1.04	MM
4	190507K1_5	10.0	1.25	NO	35.18	1.000	4.51e4	4.16e5	10.1	1.1	1.08	MM
5	190507K1_6	200	1.25	NO	35.18	1.001	8.63e5	3.64e5	221	10.4	1.18	MM
6	190507K1_7	1500	1.24	NO	35.19	1.001	1.15e7	6.37e5	1690	12.5	1.21	bb

Compound name: 1,2,3,4,6,7,8-HpCDF

Response Factor: 1.12998

RRF SD: 0.056055, Relative SD: 4.96072

Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
1	190507K1_2	1.25	1.19	NO	36.92	1.001	4.83e3	3.64e5	1.18	-5.9	1.06	MM
2	190507K1_3	50.0	1.05	NO	36.94	1.001	2.21e5	3.98e5	49.3	-1.5	1.11	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 1,2,3,4,6,7,8-HpCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 190507K1_4	2.50	1.03	NO	36.91	1.000	1.12e4	4.08e5	2.44	-2.4	1.10	MM
4 190507K1_5	10.0	1.01	NO	36.91	1.000	4.63e4	4.18e5	9.80	-2.0	1.11	bb
5 190507K1_6	200	1.03	NO	36.91	1.000	8.93e5	3.80e5	208	4.0	1.18	MM
6 190507K1_7	1500	1.04	NO	36.92	1.000	1.14e7	6.22e5	1620	7.7	1.22	bb

Compound name: 1,2,3,4,7,8,9-HpCDF

Response Factor: 1.26094

RRF SD: 0.121952, Relative SD: 9.67152

Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 190507K1_2	1.25	1.07	NO	38.86	1.000	4.31e3	2.51e5	1.36	9.0	1.37	MM
2 190507K1_3	50.0	1.10	NO	38.87	1.000	1.69e5	2.88e5	46.4	-7.1	1.17	MM
3 190507K1_4	2.50	1.04	NO	38.86	1.000	8.36e3	2.91e5	2.28	-9.0	1.15	MM
4 190507K1_5	10.0	1.04	NO	38.86	1.000	3.47e4	3.06e5	8.99	-10.1	1.13	MM
5 190507K1_6	200	1.06	NO	38.86	1.000	7.19e5	2.58e5	221	10.3	1.39	bb
6 190507K1_7	1500	1.03	NO	38.87	1.000	9.34e6	4.62e5	1600	6.9	1.35	bb

Compound name: OCDF

Response Factor: 1.10253

RRF SD: 0.218115, Relative SD: 19.7831

Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 190507K1_2	2.50	0.91	NO	41.69	1.000	1.12e4	5.83e5	3.49	39.5	1.54	MM
2 190507K1_3	100	0.90	NO	41.71	1.000	3.03e5	6.08e5	90.4	-9.6	0.997	MM
3 190507K1_4	5.00	0.89	NO	41.70	1.000	1.58e4	6.30e5	4.54	-9.2	1.00	MM
4 190507K1_5	20.0	0.93	NO	41.69	1.000	6.07e4	6.40e5	17.2	-13.9	0.950	MM
5 190507K1_6	400	0.90	NO	41.70	1.000	1.21e6	5.80e5	378	-5.5	1.04	MM
6 190507K1_7	3000	0.91	NO	41.71	1.000	1.71e7	1.05e6	2960	-1.3	1.09	MM

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDD

Response Factor: 1.04889
 RRF SD: 0.0285302, Relative SD: 2.72003
 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	190507K1_2	100	0.78	NO	26.34	1.026	5.80e5	5.62e5	98.5	-1.5	1.03	bb
2	190507K1_3	100	0.80	NO	26.34	1.026	6.19e5	6.00e5	98.4	-1.6	1.03	bb
3	190507K1_4	100	0.78	NO	26.33	1.026	6.64e5	6.32e5	100	0.1	1.05	bb
4	190507K1_5	100	0.78	NO	26.33	1.025	6.91e5	6.60e5	99.9	-0.1	1.05	bb
5	190507K1_6	100	0.79	NO	26.34	1.026	6.01e5	5.86e5	97.8	-2.2	1.03	bb
6	190507K1_7	100	0.78	NO	26.34	1.026	8.87e5	8.04e5	105	5.3	1.10	bb

Compound name: 13C-1,2,3,7,8-PeCDD

Response Factor: 0.7429
 RRF SD: 0.0610463, Relative SD: 8.21729
 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	190507K1_2	100	0.63	NO	31.12	1.212	3.79e5	5.62e5	90.9	-9.1	0.675	MM
2	190507K1_3	100	0.61	NO	31.12	1.212	4.47e5	6.00e5	100	0.4	0.746	bb
3	190507K1_4	100	0.64	NO	31.12	1.212	4.65e5	6.32e5	99.1	-0.9	0.736	bb
4	190507K1_5	100	0.59	NO	31.12	1.212	4.73e5	6.60e5	96.5	-3.5	0.717	MM
5	190507K1_6	100	0.60	NO	31.12	1.212	4.25e5	5.86e5	97.8	-2.2	0.726	MM
6	190507K1_7	100	0.63	NO	31.12	1.212	6.89e5	8.04e5	115	15.4	0.857	MM

Compound name: 13C-1,2,3,4,7,8-HxCDD

Response Factor: 0.646258
 RRF SD: 0.0314471, Relative SD: 4.86603
 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	190507K1_2	100	1.34	NO	34.40	1.014	3.03e5	4.98e5	94.1	-5.9	0.608	bd
2	190507K1_3	100	1.24	NO	34.41	1.014	3.36e5	5.10e5	102	1.8	0.658	bd

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDD

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	190507K1_4	100	1.31	NO	34.40	1.014	3.49e5	5.59e5	96.7	-3.3	0.625	bd
4	190507K1_5	100	1.32	NO	34.40	1.014	3.69e5	5.73e5	99.7	-0.3	0.644	MM
5	190507K1_6	100	1.26	NO	34.40	1.014	3.27e5	5.09e5	99.5	-0.5	0.643	bd
6	190507K1_7	100	1.27	NO	34.40	1.014	5.37e5	7.67e5	108	8.3	0.700	bd

Compound name: 13C-1,2,3,6,7,8-HxCDD

Response Factor: 0.776669

RRF SD: 0.0552613, Relative SD: 7.11516

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	190507K1_2	100	1.28	NO	34.51	1.017	3.71e5	4.98e5	95.9	-4.1	0.745	MM
2	190507K1_3	100	1.25	NO	34.52	1.017	4.10e5	5.10e5	103	3.3	0.802	db
3	190507K1_4	100	1.28	NO	34.51	1.017	4.07e5	5.59e5	93.6	-6.4	0.727	MM
4	190507K1_5	100	1.26	NO	34.51	1.017	4.30e5	5.73e5	96.7	-3.3	0.751	db
5	190507K1_6	100	1.28	NO	34.51	1.017	3.86e5	5.09e5	97.5	-2.5	0.758	db
6	190507K1_7	100	1.27	NO	34.51	1.017	6.73e5	7.67e5	113	12.9	0.877	db

Compound name: 13C-1,2,3,7,8,9-HxCDD

Response Factor: 0.659499

RRF SD: 0.0613845, Relative SD: 9.30774

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	190507K1_2	100	1.25	NO	34.80	1.025	2.90e5	4.98e5	88.4	-11.6	0.583	MM
2	190507K1_3	100	1.18	NO	34.80	1.025	3.44e5	5.10e5	102	2.2	0.674	MM
3	190507K1_4	100	1.26	NO	34.78	1.025	3.44e5	5.59e5	93.2	-6.8	0.615	MM
4	190507K1_5	100	1.25	NO	34.78	1.025	3.93e5	5.73e5	104	3.9	0.685	bb
5	190507K1_6	100	1.32	NO	34.78	1.025	3.27e5	5.09e5	97.3	-2.7	0.642	MM
6	190507K1_7	100	1.25	NO	34.80	1.026	5.82e5	7.67e5	115	15.0	0.758	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,7,8-HpCDD

Response Factor: 0.534168

RRF SD: 0.0414632, Relative SD: 7.76221

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	190507K1_2	100	1.01	NO	38.30	1.128	2.52e5	4.98e5	94.6	-5.4	0.506	MM
2	190507K1_3	100	1.05	NO	38.31	1.129	2.76e5	5.10e5	101	1.3	0.541	MM
3	190507K1_4	100	1.06	NO	38.30	1.129	2.70e5	5.59e5	90.5	-9.5	0.484	MM
4	190507K1_5	100	1.09	NO	38.30	1.129	3.04e5	5.73e5	99.3	-0.7	0.530	MM
5	190507K1_6	100	1.06	NO	38.30	1.129	2.74e5	5.09e5	101	0.8	0.539	MM
6	190507K1_7	100	1.07	NO	38.31	1.129	4.65e5	7.67e5	113	13.4	0.606	bb

Compound name: 13C-OCDD

Response Factor: 0.470365

RRF SD: 0.0499896, Relative SD: 10.6278

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	190507K1_2	200	0.91	NO	41.46	1.221	4.62e5	4.98e5	198	-1.2	0.465	MM
2	190507K1_3	200	0.89	NO	41.47	1.222	4.72e5	5.10e5	196	-1.8	0.462	MM
3	190507K1_4	200	0.89	NO	41.46	1.222	4.66e5	5.59e5	177	-11.4	0.417	MM
4	190507K1_5	200	0.89	NO	41.46	1.222	5.06e5	5.73e5	188	-6.2	0.441	MM
5	190507K1_6	200	0.91	NO	41.46	1.222	4.83e5	5.09e5	202	0.8	0.474	MM
6	190507K1_7	200	0.90	NO	41.47	1.222	8.65e5	7.67e5	240	19.8	0.563	MM

Compound name: 13C-2,3,7,8-TCDF

Response Factor: 0.9775

RRF SD: 0.00806645, Relative SD: 0.825212

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	190507K1_2	100	0.79	NO	25.48	0.992	8.07e5	8.33e5	99.2	-0.8	0.970	bb
2	190507K1_3	100	0.76	NO	25.48	0.992	8.61e5	8.73e5	101	0.9	0.987	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-2,3,7,8-TCDF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3 190507K1_4	100	0.78	NO	25.48	0.993	8.97e5	9.16e5	100	0.2	0.979	bb
4 190507K1_5	100	0.78	NO	25.48	0.992	9.28e5	9.50e5	99.9	-0.1	0.977	bb
5 190507K1_6	100	0.77	NO	25.48	0.992	8.09e5	8.36e5	98.9	-1.1	0.967	bb
6 190507K1_7	100	0.79	NO	25.48	0.992	1.15e6	1.17e6	101	0.8	0.986	bb

Compound name: 13C-1,2,3,7,8-PeCDF

Response Factor: 0.777829

RRF SD: 0.0468157, Relative SD: 6.01876

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 190507K1_2	100	1.64	NO	29.89	1.164	6.20e5	8.33e5	95.7	-4.3	0.744	bd
2 190507K1_3	100	1.52	NO	29.89	1.164	6.71e5	8.73e5	98.8	-1.2	0.769	bb
3 190507K1_4	100	1.58	NO	29.89	1.165	6.91e5	9.16e5	97.0	-3.0	0.754	bb
4 190507K1_5	100	1.58	NO	29.89	1.164	7.19e5	9.50e5	97.4	-2.6	0.758	bb
5 190507K1_6	100	1.57	NO	29.89	1.164	6.45e5	8.36e5	99.1	-0.9	0.771	bb
6 190507K1_7	100	1.58	NO	29.89	1.164	1.02e6	1.17e6	112	12.0	0.871	bb

Compound name: 13C-2,3,4,7,8-PeCDF

Response Factor: 0.749922

RRF SD: 0.0548586, Relative SD: 7.31524

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 190507K1_2	100	1.56	NO	30.84	1.201	5.77e5	8.33e5	92.4	-7.6	0.693	bb
2 190507K1_3	100	1.60	NO	30.84	1.201	6.35e5	8.73e5	97.0	-3.0	0.727	bb
3 190507K1_4	100	1.61	NO	30.84	1.201	6.65e5	9.16e5	96.8	-3.2	0.726	bb
4 190507K1_5	100	1.58	NO	30.84	1.201	7.20e5	9.50e5	101	1.1	0.758	bb
5 190507K1_6	100	1.58	NO	30.84	1.201	6.22e5	8.36e5	99.1	-0.9	0.743	bb
6 190507K1_7	100	1.59	NO	30.84	1.201	9.94e5	1.17e6	114	13.7	0.853	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8-HxCDF

Response Factor: 0.845154

RRF SD: 0.04026, Relative SD: 4.76363

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	190507K1_2	100	0.52	NO	33.53	0.988	4.01e5	4.98e5	95.3	-4.7	0.806	bd
2	190507K1_3	100	0.52	NO	33.53	0.988	4.41e5	5.10e5	102	2.3	0.864	bd
3	190507K1_4	100	0.51	NO	33.52	0.988	4.57e5	5.59e5	96.8	-3.2	0.818	bd
4	190507K1_5	100	0.52	NO	33.52	0.988	4.82e5	5.73e5	99.5	-0.5	0.841	bd
5	190507K1_6	100	0.52	NO	33.53	0.988	4.20e5	5.09e5	97.7	-2.3	0.826	bd
6	190507K1_7	100	0.53	NO	33.53	0.988	7.03e5	7.67e5	108	8.4	0.916	bd

Compound name: 13C-1,2,3,6,7,8-HxCDF

Response Factor: 1.02668

RRF SD: 0.0516295, Relative SD: 5.02879

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	190507K1_2	100	0.53	NO	33.65	0.992	4.90e5	4.98e5	96.0	-4.0	0.986	db
2	190507K1_3	100	0.53	NO	33.67	0.992	5.46e5	5.10e5	104	4.2	1.07	db
3	190507K1_4	100	0.53	NO	33.65	0.992	5.55e5	5.59e5	96.7	-3.3	0.993	db
4	190507K1_5	100	0.54	NO	33.65	0.992	5.73e5	5.73e5	97.4	-2.6	1.00	MM
5	190507K1_6	100	0.52	NO	33.65	0.992	5.09e5	5.09e5	97.4	-2.6	1.00	db
6	190507K1_7	100	0.52	NO	33.67	0.992	8.53e5	7.67e5	108	8.3	1.11	db

Compound name: 13C-2,3,4,6,7,8-HxCDF

Response Factor: 0.89286

RRF SD: 0.0303616, Relative SD: 3.40049

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	190507K1_2	100	0.50	NO	34.25	1.009	4.48e5	4.98e5	101	0.8	0.900	bb
2	190507K1_3	100	0.52	NO	34.25	1.009	4.57e5	5.10e5	100	0.2	0.895	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-2,3,4,6,7,8-HxCDF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3	190507K1_4	100	0.53	NO	34.25	1.009	4.86e5	5.59e5	97.2	-2.8	0.868	bb
4	190507K1_5	100	0.53	NO	34.24	1.009	5.05e5	5.73e5	98.7	-1.3	0.881	MM
5	190507K1_6	100	0.52	NO	34.24	1.009	4.40e5	5.09e5	96.9	-3.1	0.865	MM
6	190507K1_7	100	0.52	NO	34.25	1.009	7.27e5	7.67e5	106	6.2	0.948	bb

Compound name: 13C-1,2,3,7,8,9-HxCDF

Response Factor: 0.734263

RRF SD: 0.05054, Relative SD: 6.88309

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	190507K1_2	100	0.53	NO	35.17	1.036	3.43e5	4.98e5	94.0	-6.0	0.690	MM
2	190507K1_3	100	0.51	NO	35.18	1.036	3.80e5	5.10e5	101	1.5	0.745	bb
3	190507K1_4	100	0.52	NO	35.17	1.036	3.91e5	5.59e5	95.3	-4.7	0.700	MM
4	190507K1_5	100	0.53	NO	35.17	1.037	4.16e5	5.73e5	98.8	-1.2	0.725	MM
5	190507K1_6	100	0.54	NO	35.16	1.036	3.64e5	5.09e5	97.5	-2.5	0.716	MM
6	190507K1_7	100	0.52	NO	35.17	1.036	6.37e5	7.67e5	113	13.0	0.830	MM

Compound name: 13C-1,2,3,4,6,7,8-HpCDF

Response Factor: 0.75417

RRF SD: 0.0338797, Relative SD: 4.49232

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	190507K1_2	100	0.47	NO	36.90	1.087	3.64e5	4.98e5	96.9	-3.1	0.731	bb
2	190507K1_3	100	0.45	NO	36.91	1.088	3.98e5	5.10e5	103	3.3	0.779	bd
3	190507K1_4	100	0.43	NO	36.90	1.088	4.08e5	5.59e5	96.7	-3.3	0.729	bb
4	190507K1_5	100	0.47	NO	36.90	1.088	4.18e5	5.73e5	96.7	-3.3	0.729	bd
5	190507K1_6	100	0.45	NO	36.90	1.088	3.80e5	5.09e5	98.9	-1.1	0.746	bd
6	190507K1_7	100	0.45	NO	36.91	1.088	6.22e5	7.67e5	108	7.6	0.811	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,7,8,9-HpCDF

Response Factor: 0.53899

RRF SD: 0.0380601, Relative SD: 7.06137

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	190507K1_2	100	0.45	NO	38.85	1.145	2.51e5	4.98e5	93.5	-6.5	0.504	MM
2	190507K1_3	100	0.44	NO	38.86	1.145	2.88e5	5.10e5	105	4.8	0.565	bd
3	190507K1_4	100	0.42	NO	38.85	1.145	2.91e5	5.59e5	96.6	-3.4	0.521	bb
4	190507K1_5	100	0.43	NO	38.85	1.145	3.06e5	5.73e5	99.2	-0.8	0.535	bb
5	190507K1_6	100	0.43	NO	38.85	1.145	2.58e5	5.09e5	94.1	-5.9	0.507	MM
6	190507K1_7	100	0.46	NO	38.86	1.145	4.62e5	7.67e5	112	11.7	0.602	bd

Compound name: 13C-OCDF

Response Factor: 0.592524

RRF SD: 0.046422, Relative SD: 7.83462

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	190507K1_2	200	0.89	NO	41.69	1.228	5.83e5	4.98e5	198	-1.2	0.586	MM
2	190507K1_3	200	0.88	NO	41.70	1.229	6.08e5	5.10e5	201	0.6	0.596	MM
3	190507K1_4	200	0.90	NO	41.69	1.229	6.30e5	5.59e5	190	-5.0	0.563	MM
4	190507K1_5	200	0.88	NO	41.68	1.228	6.40e5	5.73e5	188	-5.8	0.558	MM
5	190507K1_6	200	0.90	NO	41.69	1.229	5.80e5	5.09e5	192	-3.8	0.570	MM
6	190507K1_7	200	0.89	NO	41.70	1.229	1.05e6	7.67e5	230	15.2	0.683	MM

Compound name: 37Cl-2,3,7,8-TCDD

Response Factor: 1.06948

RRF SD: 0.0767834, Relative SD: 7.17951

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	190507K1_2	0.250			26.34	1.026	1.45e3	5.62e5	0.241	-3.6	1.03	bb
2	190507K1_3	10.0			26.36	1.026	6.16e4	6.00e5	9.60	-4.0	1.03	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 37Cl-2,3,7,8-TCDD

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc	%Dev	RRF	X = dropped
3 190507K1_4	0.500			26.36	1.027	3.13e3	6.32e5	0.463	-7.4	0.990	bb
4 190507K1_5	2.00			26.36	1.026	1.45e4	6.60e5	2.06	2.8	1.10	bd
5 190507K1_6	40.0			26.36	1.026	2.49e5	5.86e5	39.7	-0.6	1.06	bb
6 190507K1_7	200			26.36	1.026	1.94e6	8.04e5	226	12.9	1.21	bb

Compound name: 13C-1,2,3,4-TCDD

Response Factor: 1

RRF SD: 4.96507e-017, Relative SD: 4.96507e-015

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 190507K1_2	100	0.79	NO	25.68	1.000	5.62e5	5.62e5	100	0.0	1.00	bb
2 190507K1_3	100	0.79	NO	25.68	1.000	6.00e5	6.00e5	100	0.0	1.00	bb
3 190507K1_4	100	0.80	NO	25.67	1.000	6.32e5	6.32e5	100	0.0	1.00	bb
4 190507K1_5	100	0.80	NO	25.68	1.000	6.60e5	6.60e5	100	0.0	1.00	bb
5 190507K1_6	100	0.80	NO	25.68	1.000	5.86e5	5.86e5	100	-0.0	1.00	bb
6 190507K1_7	100	0.77	NO	25.68	1.000	8.04e5	8.04e5	100	0.0	1.00	bb

Compound name: 13C-1,2,3,4-TCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

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 190507K1_2	100	0.81	NO	24.05	1.000	8.33e5	8.33e5	100	0.0	1.00	bb
2 190507K1_3	100	0.80	NO	24.05	1.000	8.73e5	8.73e5	100	0.0	1.00	bb
3 190507K1_4	100	0.79	NO	24.05	1.000	9.16e5	9.16e5	100	0.0	1.00	bb
4 190507K1_5	100	0.78	NO	24.03	1.000	9.50e5	9.50e5	100	0.0	1.00	bb
5 190507K1_6	100	0.78	NO	24.05	1.000	8.36e5	8.36e5	100	0.0	1.00	bb
6 190507K1_7	100	0.79	NO	24.05	1.000	1.17e6	1.17e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-CRV.qld

Last Altered: Wednesday, May 08, 2019 7:55:45 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:57:59 AM Pacific Daylight Time

Compound name: 13C-1,2,3,4,6,9-HxCDF

Response Factor: 1

RRF SD: 0, Relative SD: 0

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	190507K1_2	100	0.53	NO	33.94	1.000	4.98e5	4.98e5	100	0.0	1.00	bd
2	190507K1_3	100	0.51	NO	33.94	1.000	5.10e5	5.10e5	100	0.0	1.00	MM
3	190507K1_4	100	0.52	NO	33.93	1.000	5.59e5	5.59e5	100	0.0	1.00	bb
4	190507K1_5	100	0.52	NO	33.93	1.000	5.73e5	5.73e5	100	0.0	1.00	bb
5	190507K1_6	100	0.52	NO	33.93	1.000	5.09e5	5.09e5	100	0.0	1.00	bb
6	190507K1_7	100	0.52	NO	33.93	1.000	7.67e5	7.67e5	100	0.0	1.00	bb

Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 8:06:43 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 8:06:44 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\CPSM-5-7-19.mdb 07 May 2019 13:29:19

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

#	Name	RT
1	1,3,6,8-TCDD (First)	22.43
2	1,2,8,9-TCDD (Last)	27.29
3	1,2,4,7,9-PeCDD (First)	29.01
4	1,2,3,8,9-PeCDD (Last)	31.50
5	1,2,4,6,7,9-HxCDD (First)	32.92
6	1,2,3,7,8,9-HxCDD (Last)	34.81
7	1,2,3,4,6,7,9-HpCDD (First)	37.32
8	1,2,3,4,6,7,8-HpCDD (Last)	38.32
9	1,3,6,8-TCDF (First)	20.23
10	1,2,8,9-TCDF (Last)	27.46
11	1,3,4,6,8-PeCDF (First)	27.36
12	1,2,3,8,9-PeCDF (Last)	31.76
13	1,2,3,4,6,8-HxCDF (First)	32.39
14	1,2,3,7,8,9-HxCDF (Last)	35.19
15	1,2,3,4,6,7,8-HpCDF (First)	36.94
16	1,2,3,4,7,8,9-HpCDF (Last)	38.87

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 8:00:20 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 8:00:34 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1613_rrt-5-7-19.mdb 07 May 2019 12:51:47

Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

Compound name: 2,3,7,8-TCDD

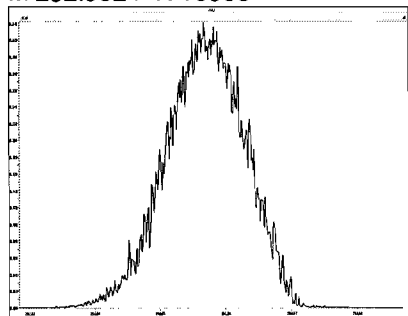
	Name	ID	Acq Date	Acq Time
1	190507K1_1 ^(A)	ST190507K1_1 1613 CS3 18J1008	07-May-19	10:05:54
2	190507K1_2	ST190507K1_2 1613 CS0 19C2201	07-May-19	11:18:22
3	190507K1_3	ST190507K1_3 1613 CS3 19C2204	07-May-19	12:16:36
4	190507K1_4	ST190507K1_4 1613 CS1 19C2202	07-May-19	13:04:59
5	190507K1_5	ST190507K1_5 1613 CS2 19C2203	07-May-19	13:51:47
6	190507K1_6	ST190507K1_6 1613 CS4 19C2205	07-May-19	14:39:24
7	190507K1_7	ST190507K1_7 1613 CS5 19C2206	07-May-19	15:27:02
8	190507K1_8	SS190507K1_1 1613 SSS 19C2207	07-May-19	16:16:59
9	190507K1_9	SOLVENT BLANK	07-May-19	17:12:35
10	190507K1_10	QC190507K1-1 1613 Method Blank 1	07-May-19	18:00:01
11	190507K2_1	ST190507K2_1 1613 CS3 18J1008	07-May-19	18:48:10

^(A) not used, used to get windows
in new column 11-5-8-19

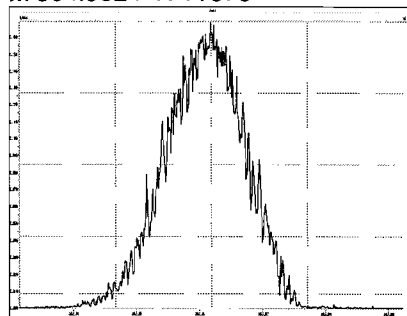
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 1 @ 200 (ppm)

Printed: Tuesday, May 07, 2019 11:13:04 Pacific Daylight Time

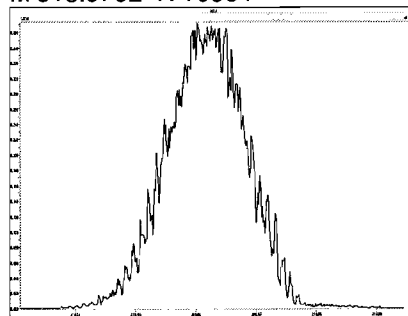
M 292.9824 R 10968



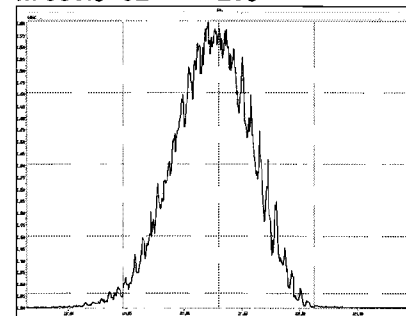
M 304.9824 R 11575



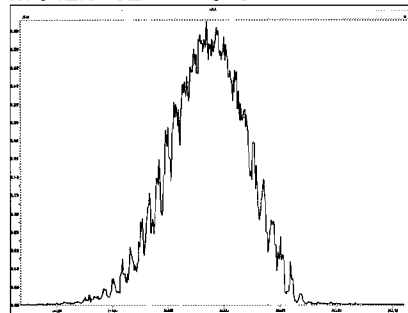
M 318.9792 R 10964



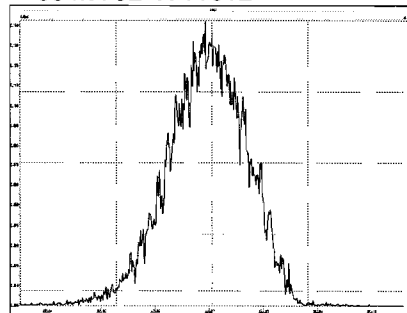
M 330.9792 R 11209



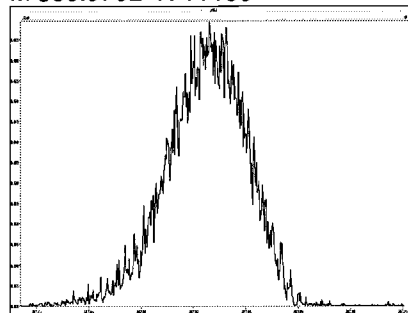
M 342.9792 R 11570



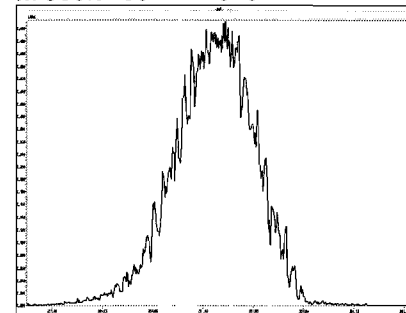
M 354.9792 R 11312



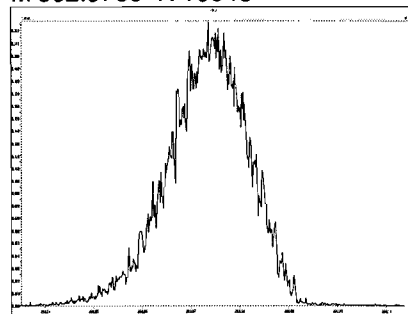
M 366.9792 R 11159



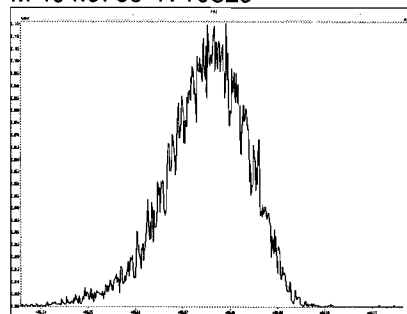
M 380.9760 R 11010



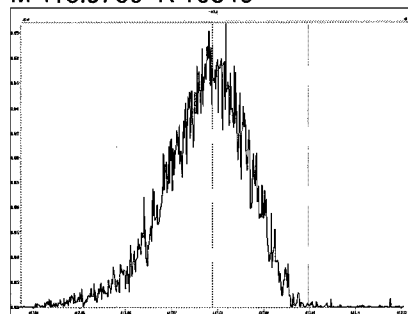
M 392.9760 R 10548



M 404.9760 R 10329



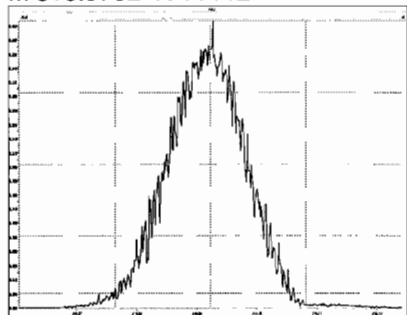
M 416.9760 R 10546



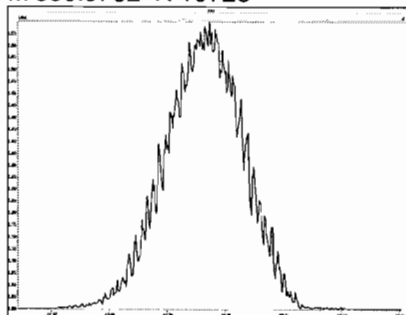
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 2 @ 200 (ppm)

Printed: Tuesday, May 07, 2019 11:13:43 Pacific Daylight Time

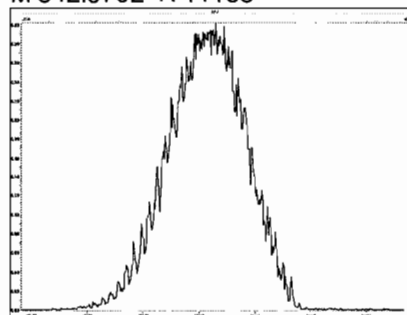
M 318.9792 R 11112



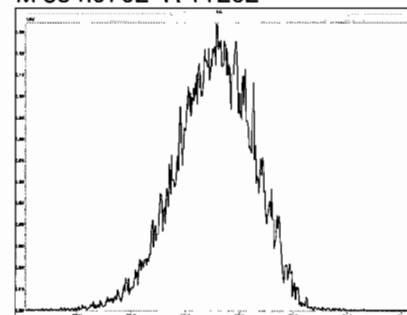
M 330.9792 R 10728



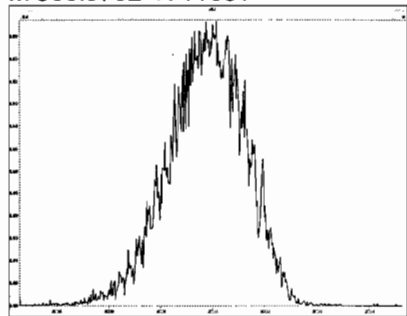
M 342.9792 R 11158



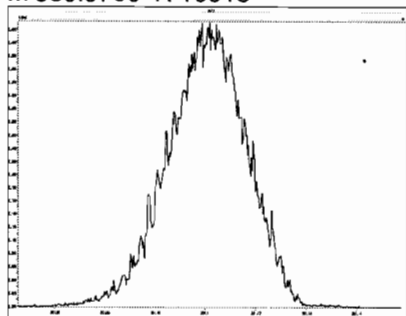
M 354.9792 R 11262



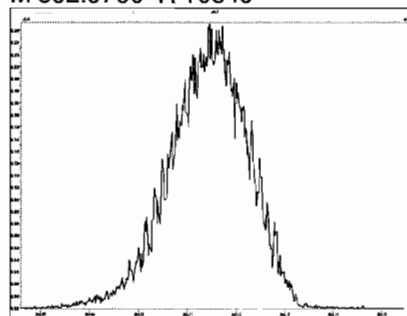
M 366.9792 R 11681



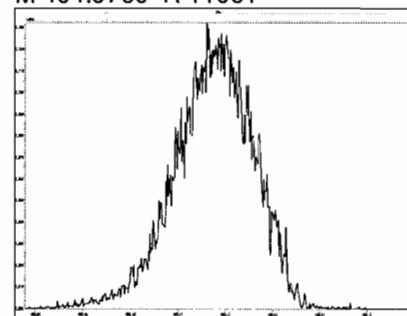
M 380.9760 R 10915



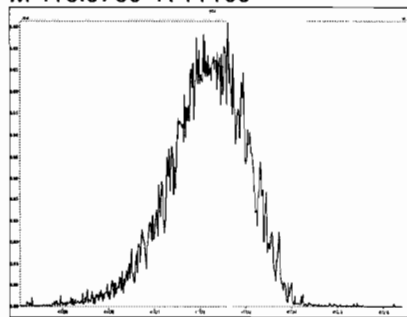
M 392.9760 R 10549



M 404.9760 R 11061



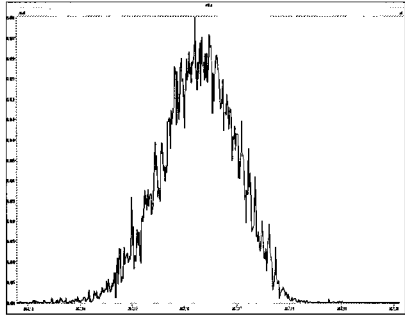
M 416.9760 R 11109



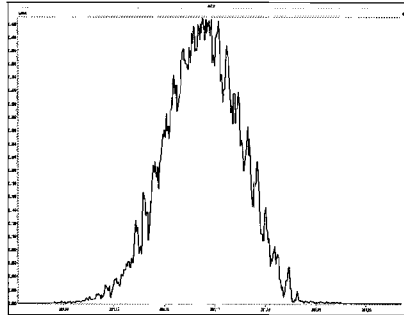
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, May 07, 2019 11:14:13 Pacific Daylight Time

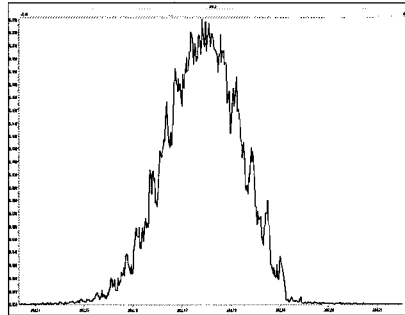
M 366.9792 R 12256



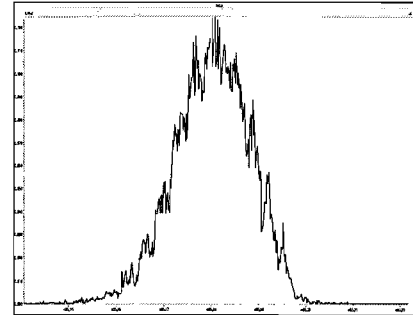
M 380.9760 R 11312



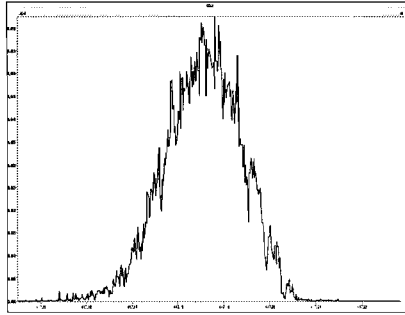
M 392.9760 R 10963



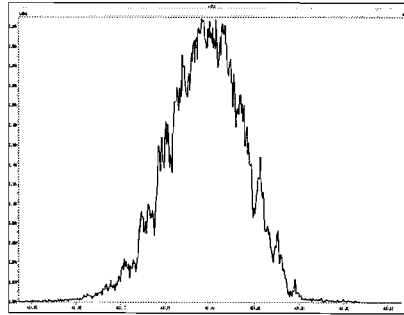
M 404.9760 R 11158



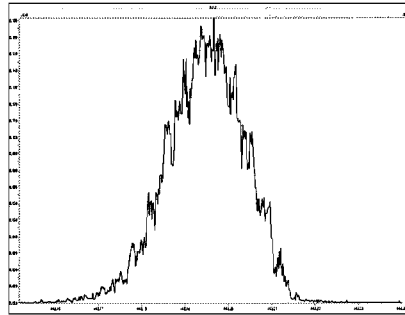
M 416.9760 R 11312



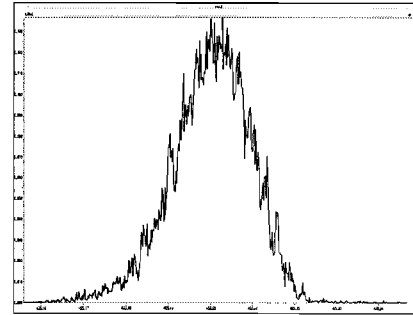
M 430.9728 R 11210



M 442.9728 R 11060



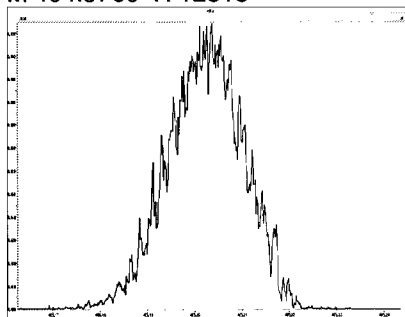
M 454.9728 R 11309



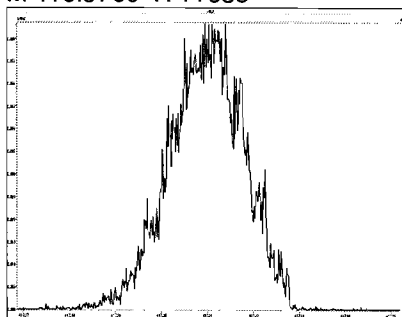
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, May 07, 2019 11:14:57 Pacific Daylight Time

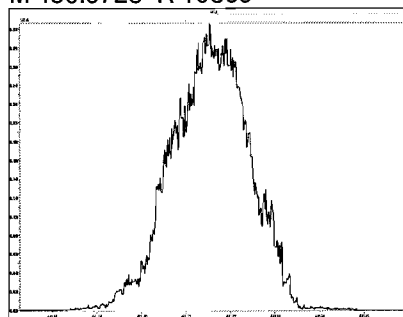
M 404.9760 R 12313



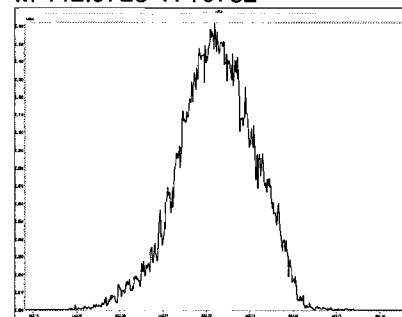
M 416.9760 R 11683



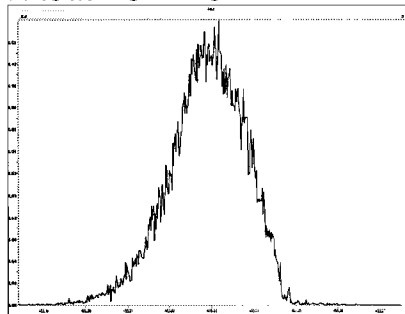
M 430.9728 R 10869



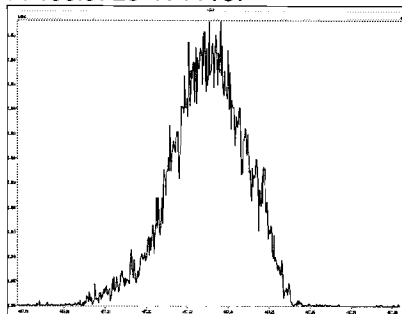
M 442.9728 R 10732



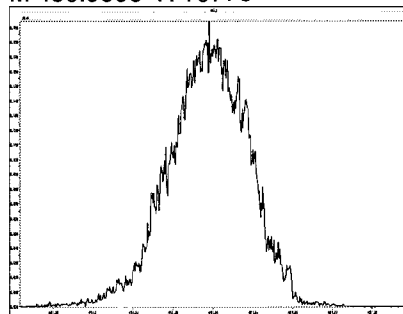
M 454.9728 R 11522



M 466.9728 R 11157



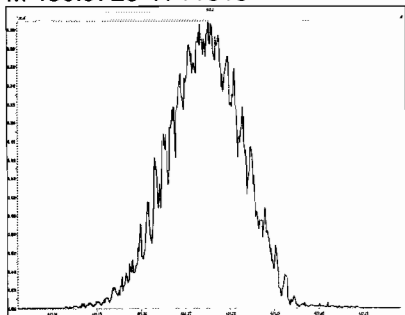
M 480.9696 R 10778



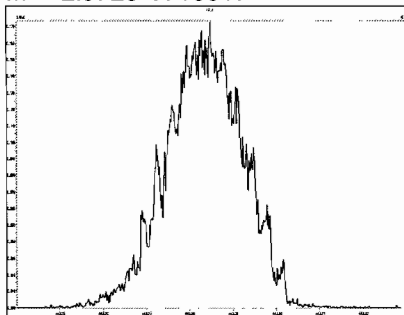
File: Experiment: ocdd_db5.exp Reference: pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, May 07, 2019 11:15:30 Pacific Daylight Time

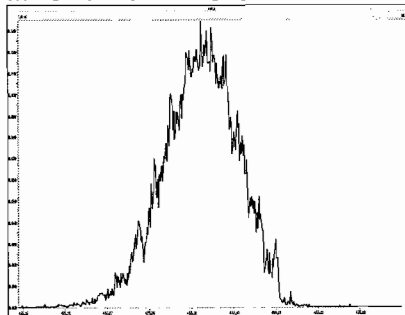
M 430.9728 R 11313



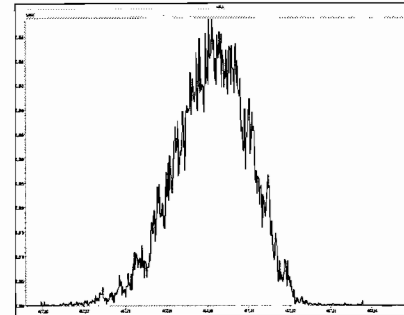
M 442.9728 R 10917



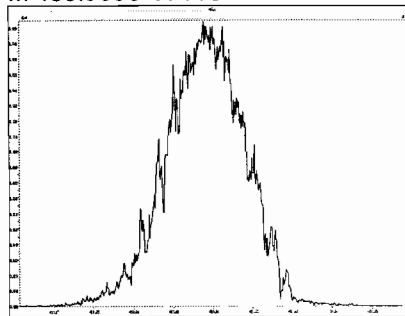
M 454.9728 R 11573



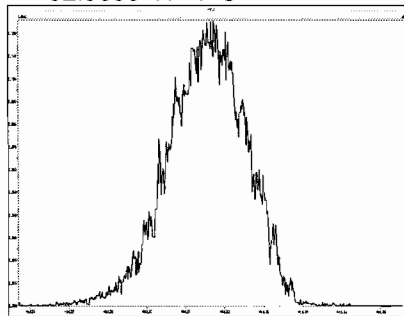
M 466.9728 R 11575



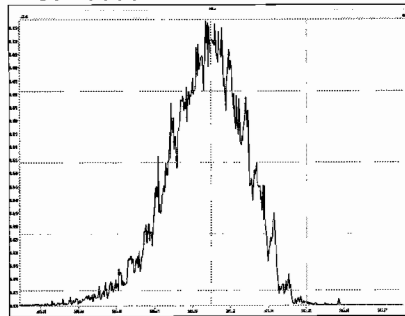
M 480.9696 R 11521



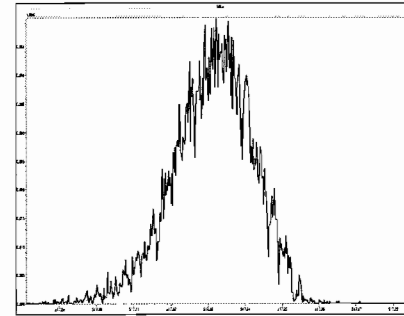
M 492.9696 R 11737



M 504.9696 R 11311



M 516.9697 R 11963



Dataset: Untitled

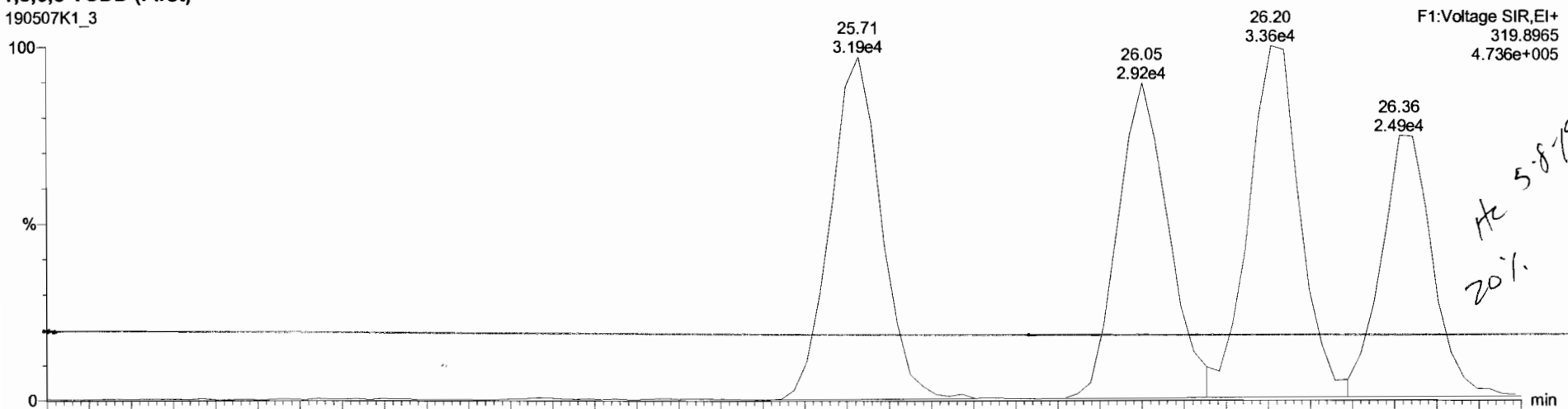
Last Altered: Wednesday, May 08, 2019 8:06:43 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 8:06:44 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\CPSM-5-7-19.mdb 07 May 2019 13:29:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

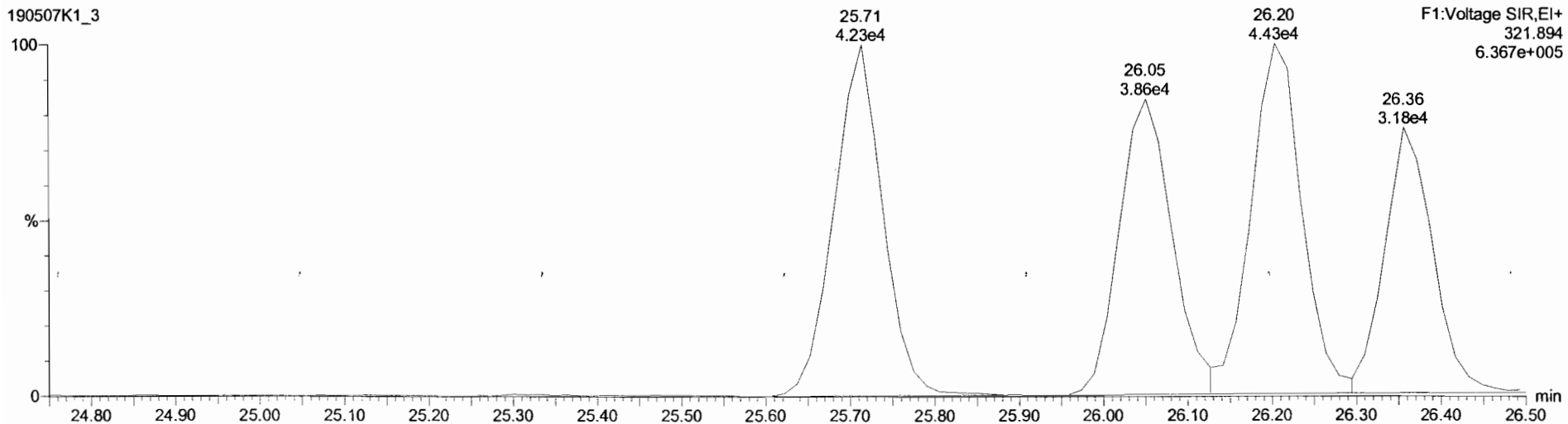
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,3,6,8-TCDD (First)

190507K1_3



190507K1_3



Dataset: Untitled

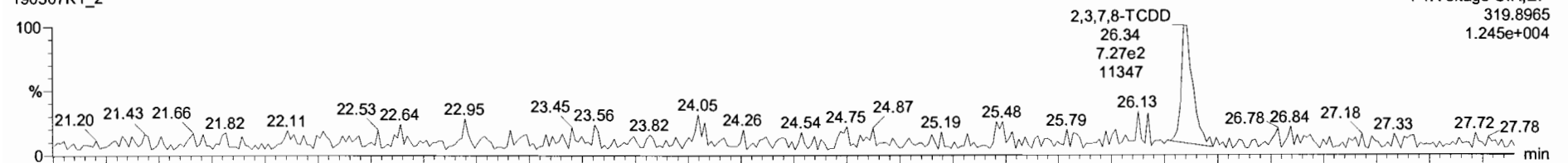
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\1613_rrt-5-7-19.mdb 07 May 2019 12:51:47
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 07 May 2019 16:51:46

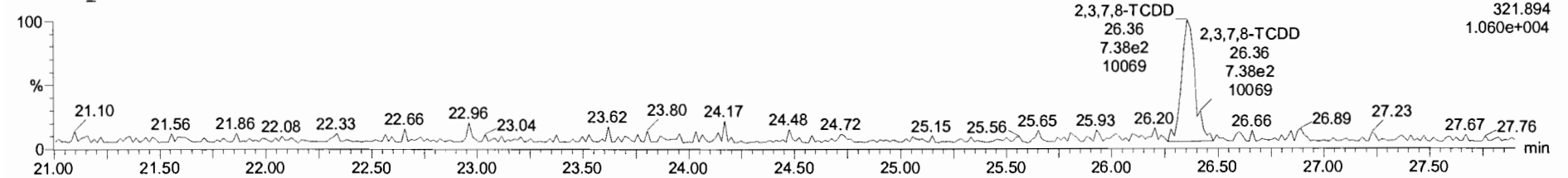
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

2,3,7,8-TCDD

190507K1_2

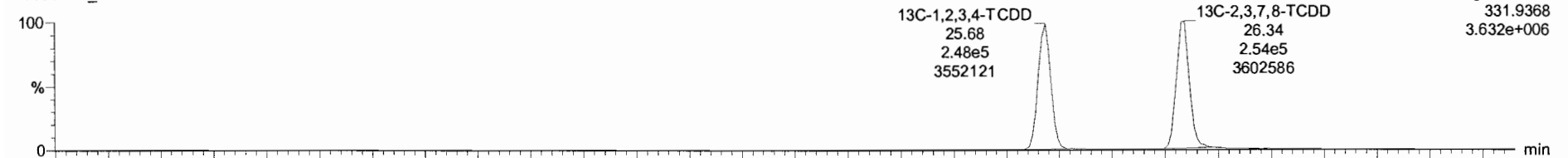


190507K1_2

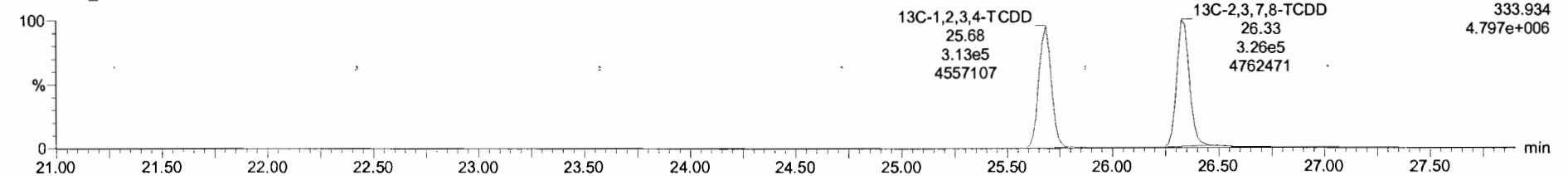


13C-2,3,7,8-TCDD

190507K1_2

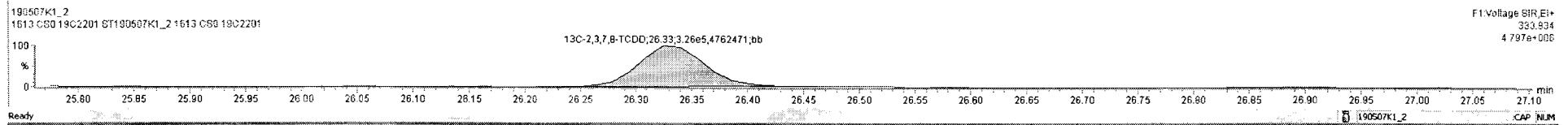
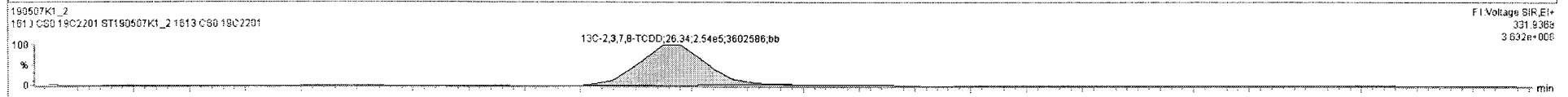
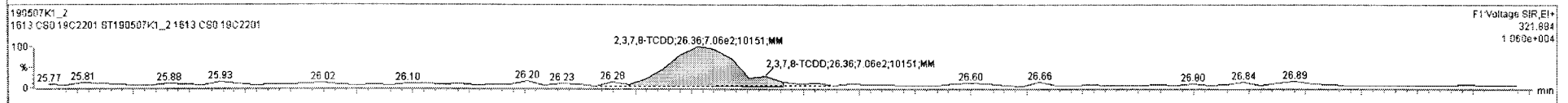
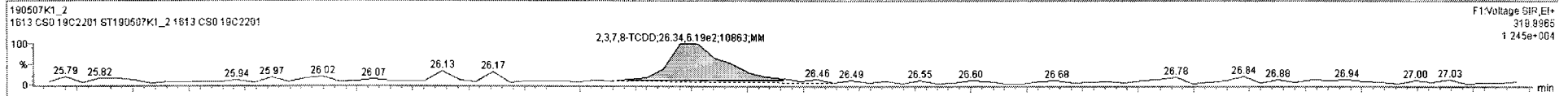


190507K1_2



190507k1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Peak	Name	Resp	RA	nY	RRF	WtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.33e3	0.86	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2	1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3	1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4	1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5	1,2,3,7,8,9-HxCDD	3.68e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6	1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.000	2.32	92.6	0.123	2.31
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.67	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.69e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.36	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.23	1.000	38.86	1.000	1.23	98.5	0.129	1.23
17	OCDF	1.16e4	0.86	NO	1.10	1.000	41.69	1.000	3.48	199	0.191	3.48
18	13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.27	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	



Dataset: Untitled

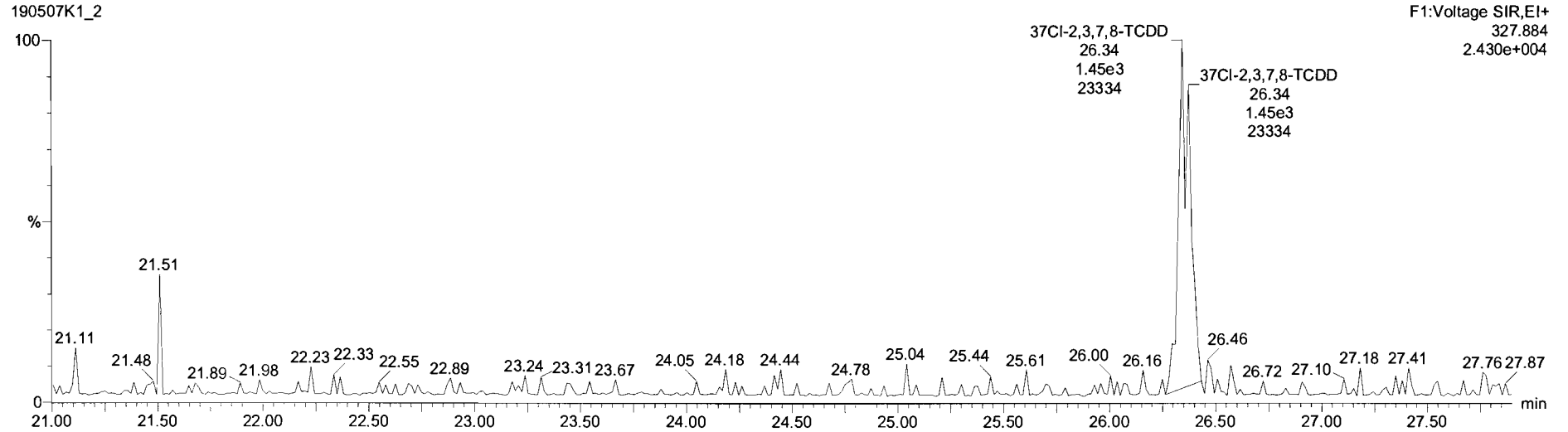
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

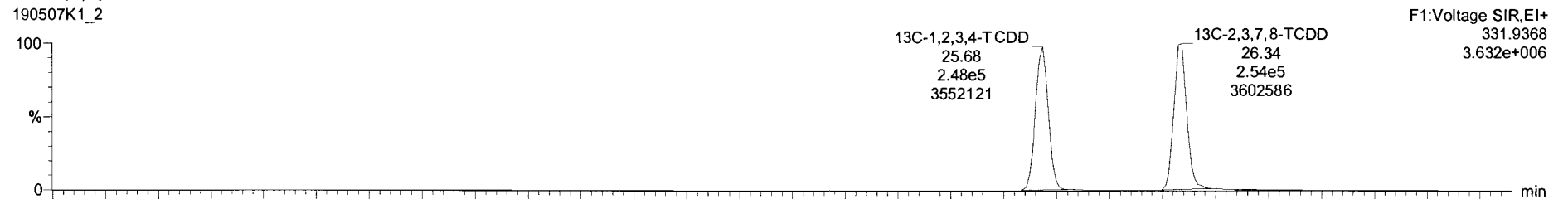
37Cl-2,3,7,8-TCDD

190507K1_2

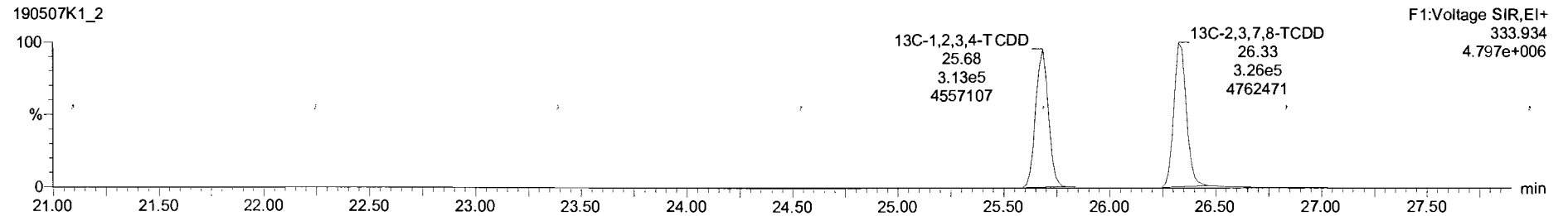


13C-1,2,3,4-TCDD

190507K1_2



190507K1_2



Dataset: Untitled

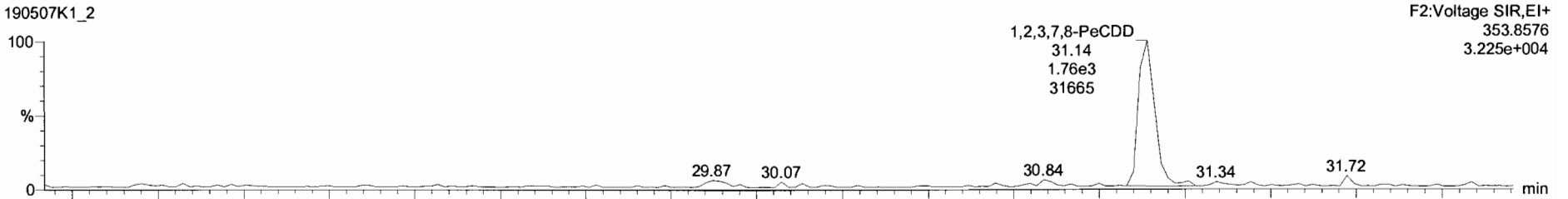
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

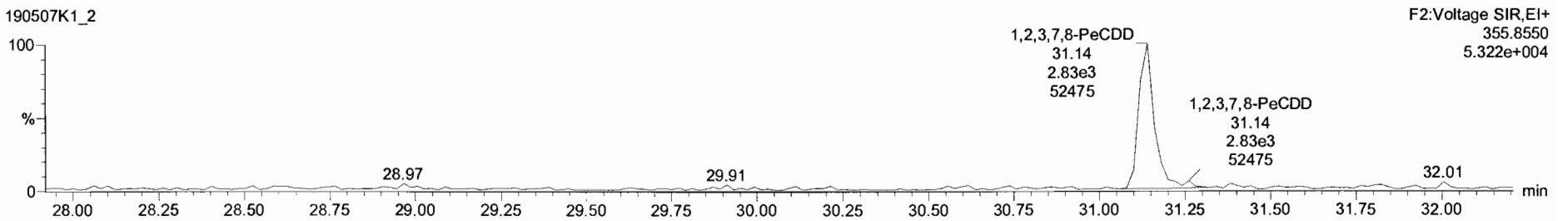
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

1,2,3,7,8-PeCDD

190507K1_2

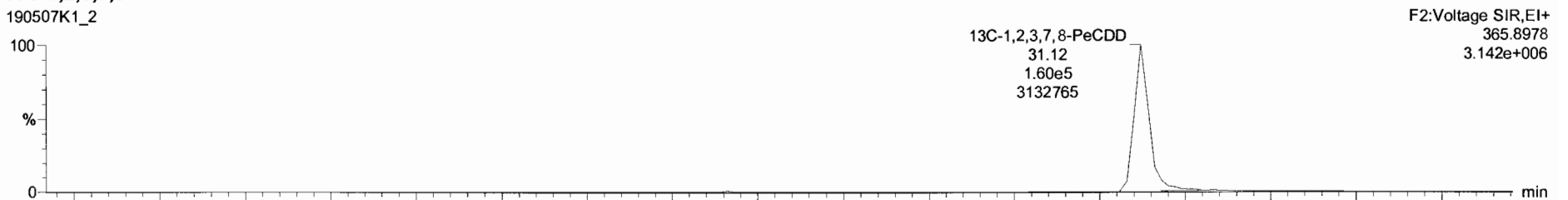


190507K1_2

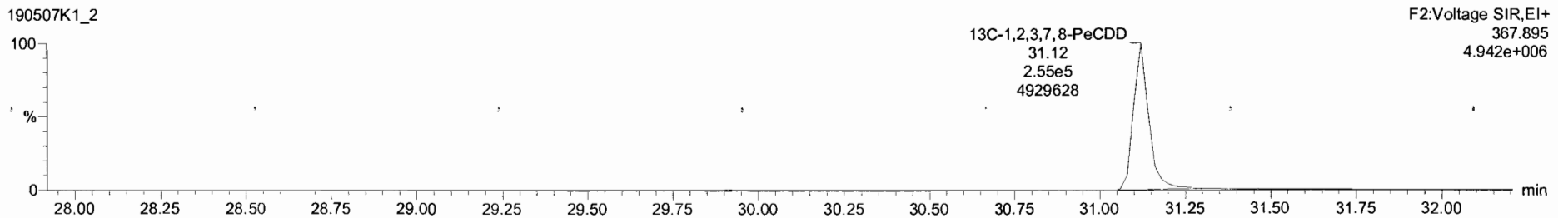


13C-1,2,3,7,8-PeCDD

190507K1_2



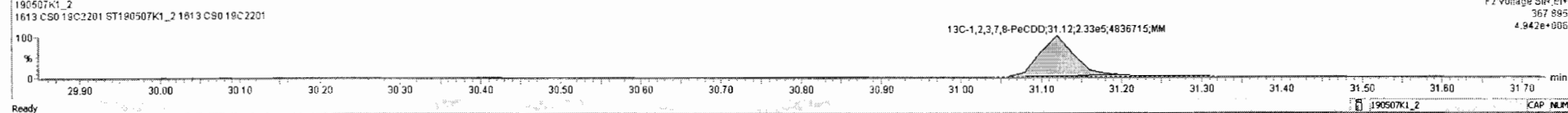
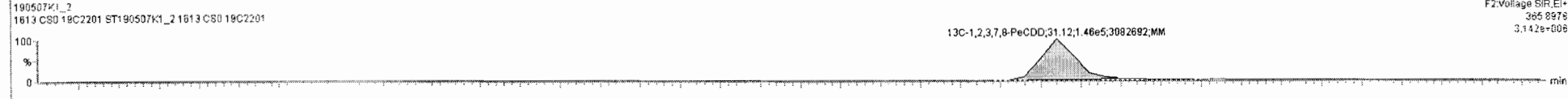
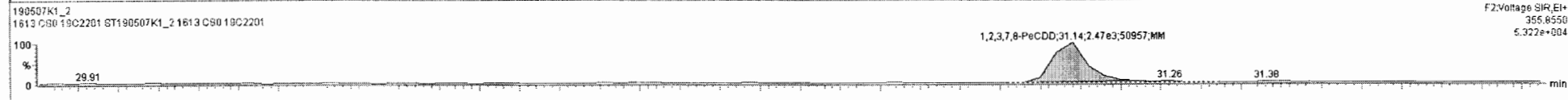
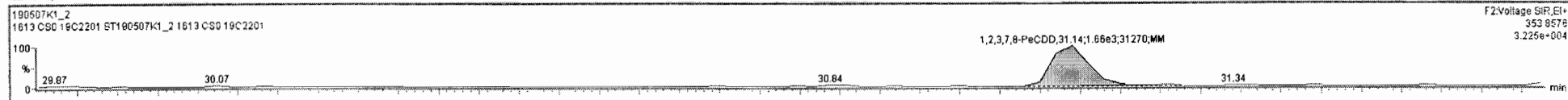
190507K1_2



Target1.ymx - 190507K1_CRY.qld - [Chromatogram]

190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Name	Resp	RA	n/y	RF	Wt%	RT	RRT	Conc.	%Rec	DJ	EMPC
29	13C-1,2,3,6,7,8-HxCDF	4.90e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470
30	13C-2,3,4,6,7,8-HxCDF	4.48e5	0.50	NO	0.89	1.000	34.25	1.009	101	101	0.541
31	13C-1,2,3,7,8-HxCDF	3.43e5	0.52	NO	0.73	1.000	35.17	1.036	94.0	94.0	0.658
32	13C-1,2,3,4,6,7,8-HpCDF	3.64e5	0.47	NO	0.75	1.000	36.90	1.067	96.9	96.9	0.489
33	13C-1,2,3,4,7,8-HpCDF	2.85e5	0.46	NO	0.55	1.000	38.85	1.145	104	104	0.669
34	13C-OCDF	6.04e5	0.89	NO	0.60	1.000	41.69	1.228	204	102	0.519
35	37Cl-2,3,7,8-TCDD	1.45e3			1.07	1.000	26.34	1.026	0.241	96.4	0.0328
36	13C-1,2,3,4-TCDD	5.62e5	0.79	NO	1.00	1.000	25.68	1.000	100	100	0.230
37	13C-1,2,3,4-TCDF	8.33e5	0.81	NO	1.00	1.000	24.05	1.000	100	100	0.408
38	13C-1,2,3,4,6,8-HxCDF	4.98e5	0.53	NO	1.00	1.000	33.94	1.000	100	100	0.483
39	Total Tetra-Dioxins				0.92	1.000		0.247			0.247
40	Total Penta-Dioxins				0.90	1.000		1.20		0.6640	1.20
41	Total Hexa-Dioxins				0.97	1.000		3.72		0.0506	3.72
42	Total Hepta-Dioxins				1.03	1.000		1.24		0.0752	1.24
43	Total Tetra-Furans				0.94	1.000		0.245		0.0508	0.245
44	1st Func. Penta-Furans				0.98	1.000				0.0230	
45	Total Penta-Furans				0.98	1.000		2.32		0.0806	2.32
46	Total Hexa-Furans				1.18	1.000		4.44		0.0766	4.44
47	Total Hepta-Furans				1.13	1.000		2.41		0.126	2.41
48	PFK1										
49	PFK2										
50	PFK3										
51	PFK4										



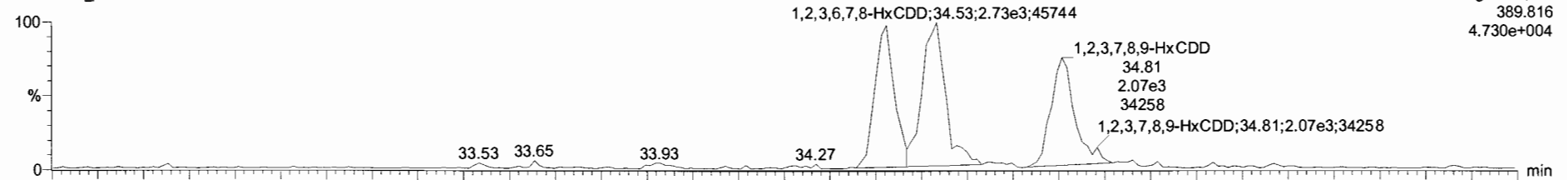
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

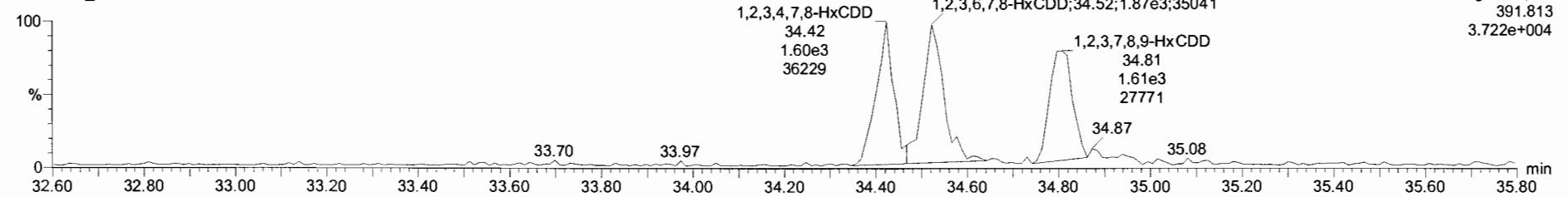
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

1,2,3,4,7,8-HxCDD

190507K1_2

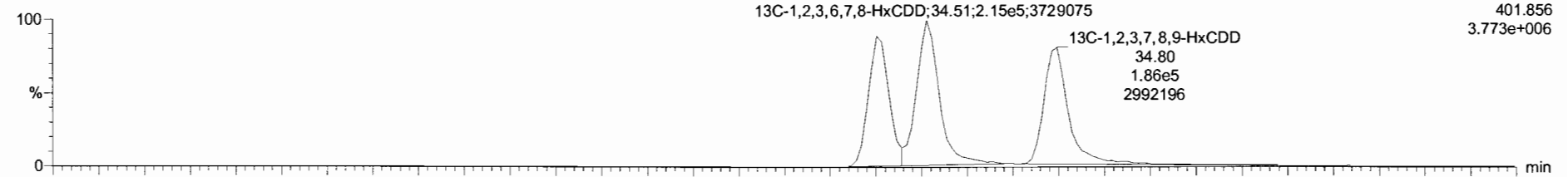


190507K1_2

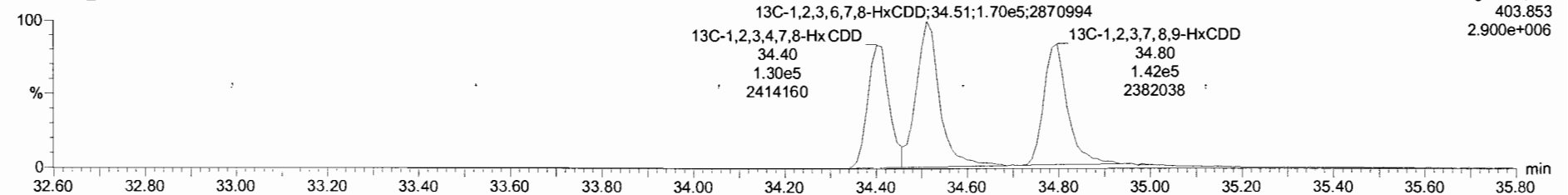


13C-1,2,3,4,7,8-HxCDD

190507K1_2



190507K1_2

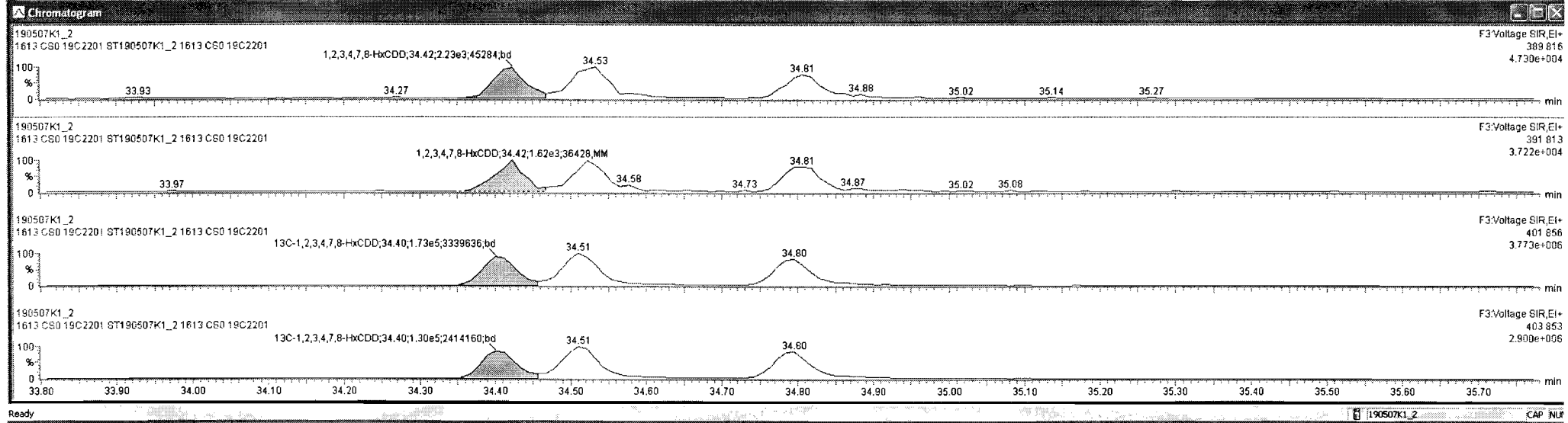


TargetLynx - 190507K1.CRV.qld

File Edit View Display Processing Window Help

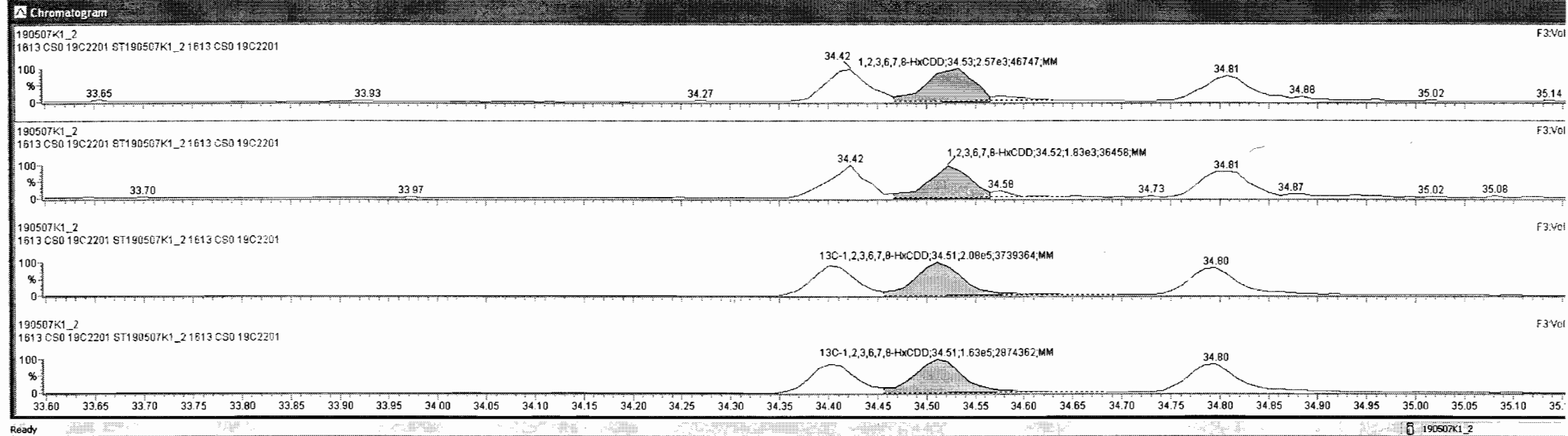
190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Name	Resp	RA	nY	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2 1,2,3,7,8-PeCDD	4.19e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3 1,2,3,4,7,8-HxCDD	3.65e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0483	1.19
4 1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5 1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6 1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7 OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8 2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9 1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.98	1.000	29.89	1.001	1.17	93.7	0.0634	1.17
10 2,3,4,7,8-PeCDF	6.68e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11 1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12 1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13 2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14 1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15 1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16 1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.66	1.000	1.37	109	0.127	1.37
17 OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18 13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19 13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20 13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.85	1.000	34.40	1.014	94.1	94.1	0.572	
21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22 13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23 13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	



190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Name	Resp	RA	nY	RRF	wtWtd	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2 1,2,3,7,8-PeCDD	4.13e3	0.87	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3 1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4 1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0468	1.23
5 1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6 1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7 OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8 2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9 1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10 2,3,4,7,8-PeCDF	6.69e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11 1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12 1,2,3,6,7,8-HxCDF	8.12e3	1.35	NO	1.09	1.000	33.87	1.000	1.14	91.4	0.0714	1.14
13 2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14 1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15 1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16 1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.37	109	0.127	1.37
17 OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18 13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	96.5	98.5	0.219	
19 13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20 13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.85	1.000	34.40	1.014	94.1	94.1	0.572	
21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22 13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.86	1.000	34.80	1.025	87.9	87.9	0.598	
23 13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	

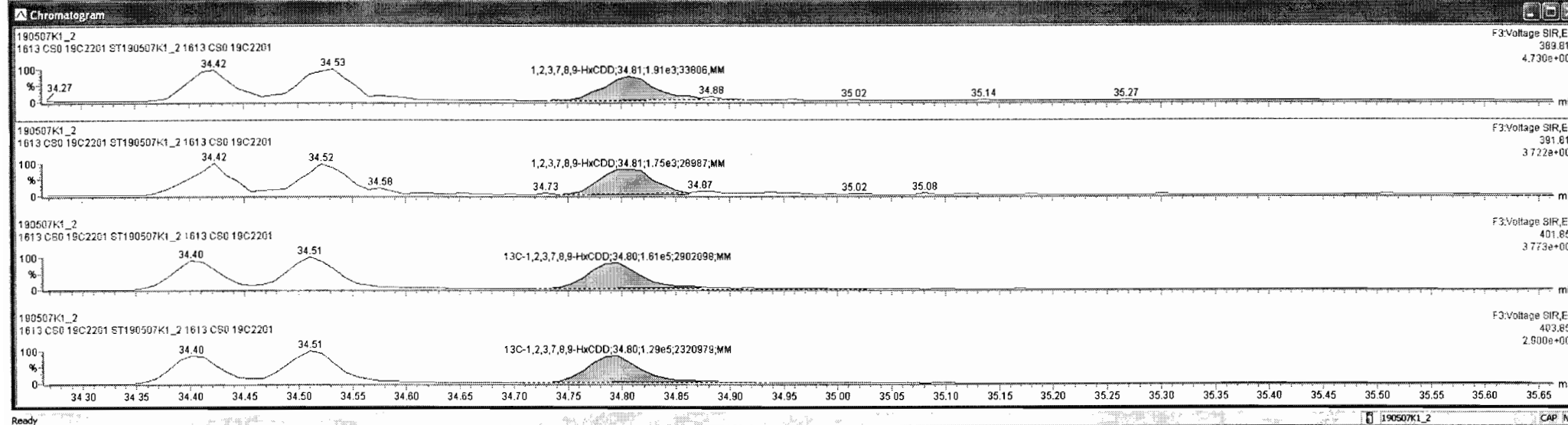


Target: lnx - 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Name	Resp	RA	rvy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2 1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3 1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4 1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5 1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6 1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	36.32	1.001	1.24	99.2	0.0752	1.24
7 OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8 2,3,7,8-TCDF	1.85e3	0.91	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0598	0.245
9 1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10 2,3,4,7,8-HxCDF	6.66e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11 1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12 1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13 2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14 1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15 1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.16	94.1	0.115	1.16
16 1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.37	109	0.127	1.37
17 OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18 13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19 13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20 13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22 13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23 13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	36.30	1.128	93.6	93.6	0.470	



Dataset: Untitled

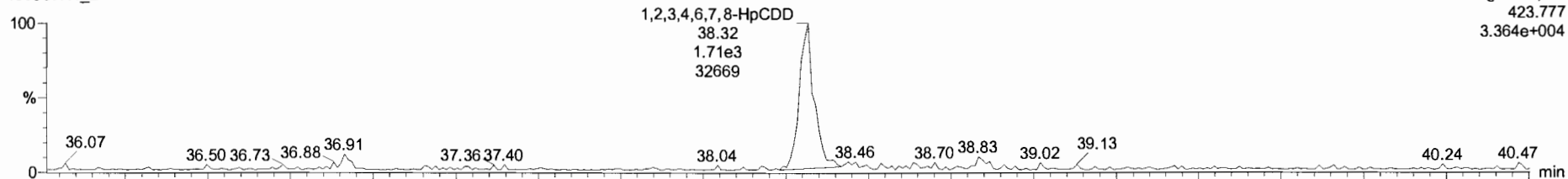
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

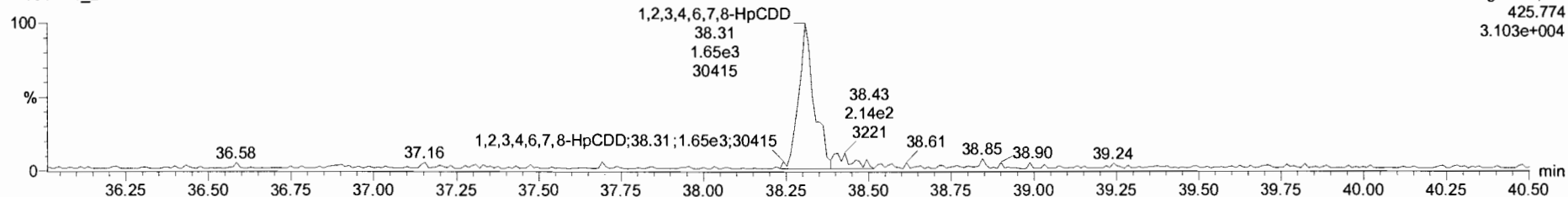
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

1,2,3,4,6,7,8-HpCDD

190507K1_2

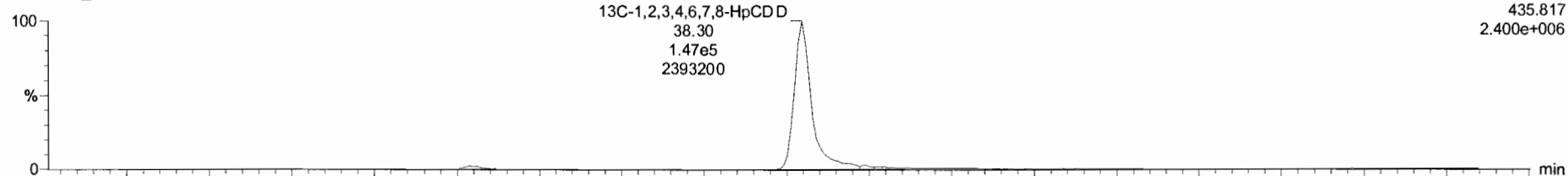


190507K1_2

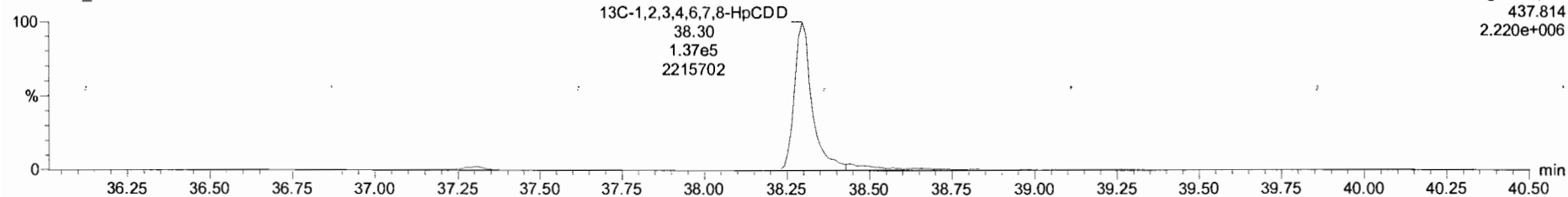


13C-1,2,3,4,6,7,8-HpCDD

190507K1_2



190507K1_2

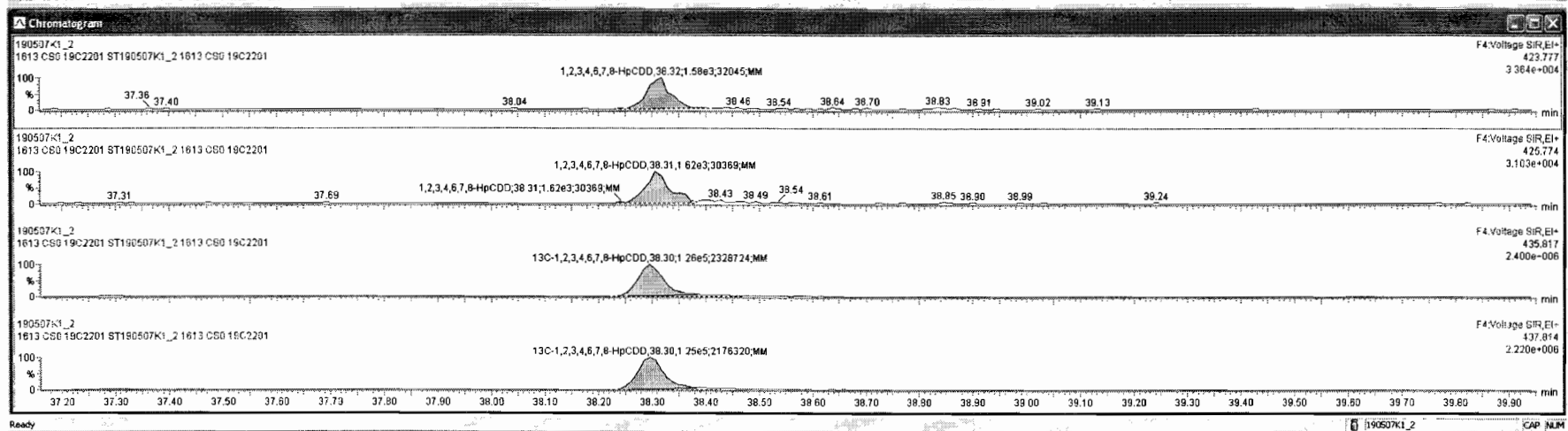


Target Lynx - 190507K1.CHV.qld

File Edit View Display Processing Window Help

190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

#	Name	Resp	RA	NY	RRF	WtVol	RT	RTI	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2	1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3	1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4	1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5	1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6	1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.88e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.88	1.000	1.37	109	0.127	1.37
17	OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	136	0.191	3.49
18	13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	

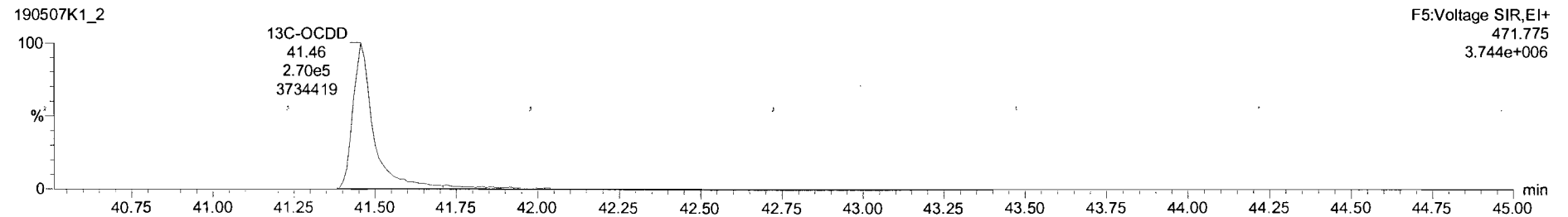
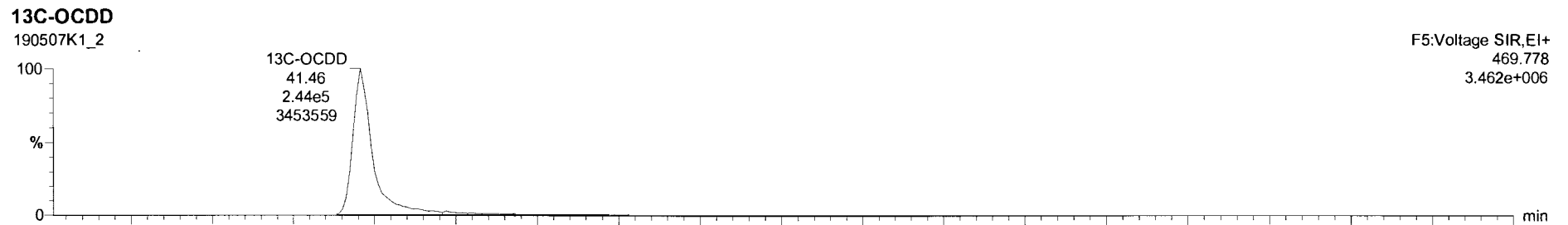
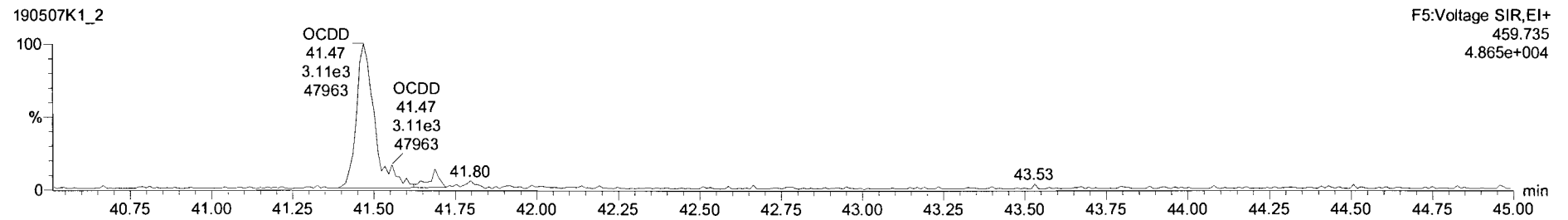
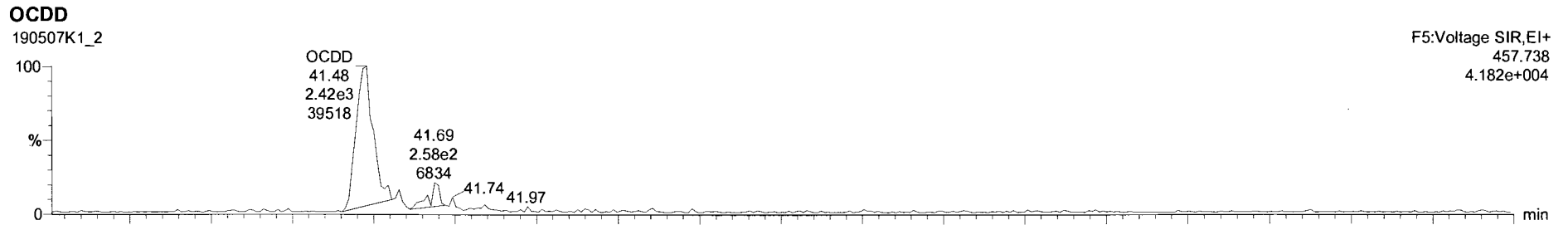


Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

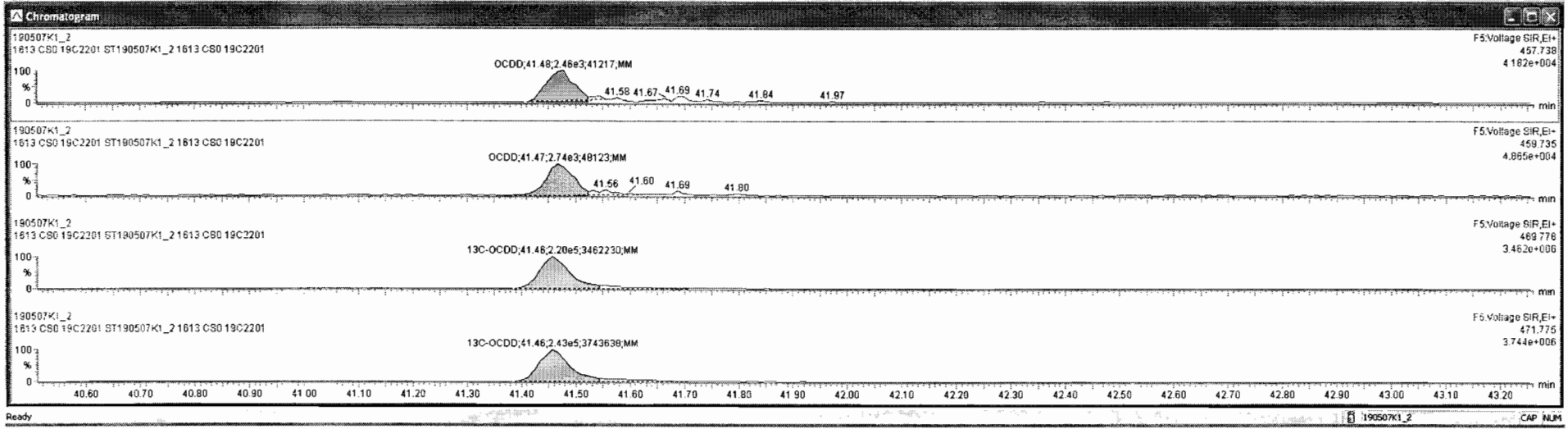
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201



Target: ynx - 190507K1-CRY.qld

190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

#	Name	Resp	RA	INJ	RRF	wt/ndc	RT	RR1	Conc.	%Rec	DL	EffC
1	2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2	1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3	1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4	1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5	1,2,3,7,8,9-HxCDD	3.86e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6	1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.88e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.37	109	0.127	1.37
17	OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18	13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.8	87.8	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	

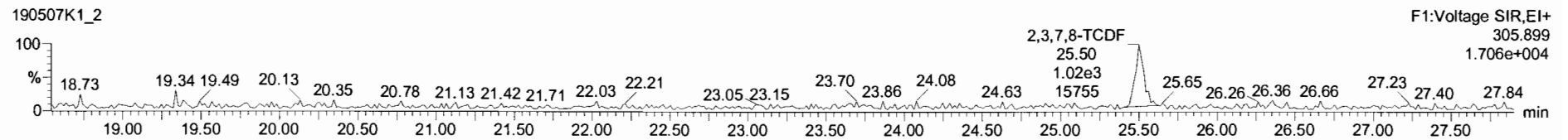
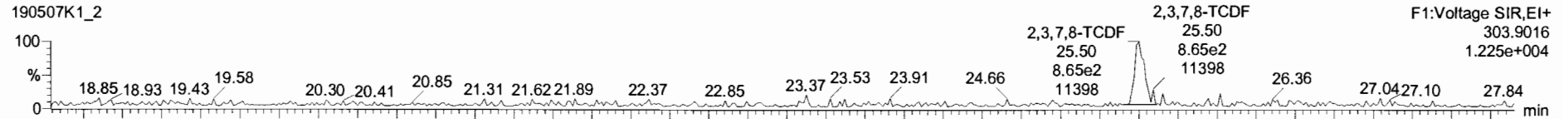


Dataset: Untitled

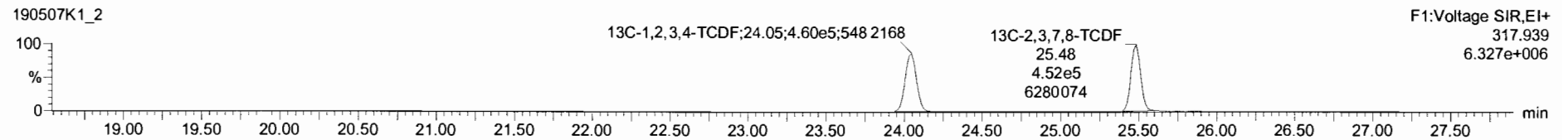
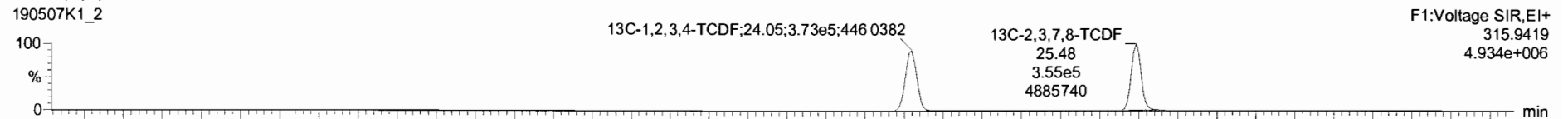
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

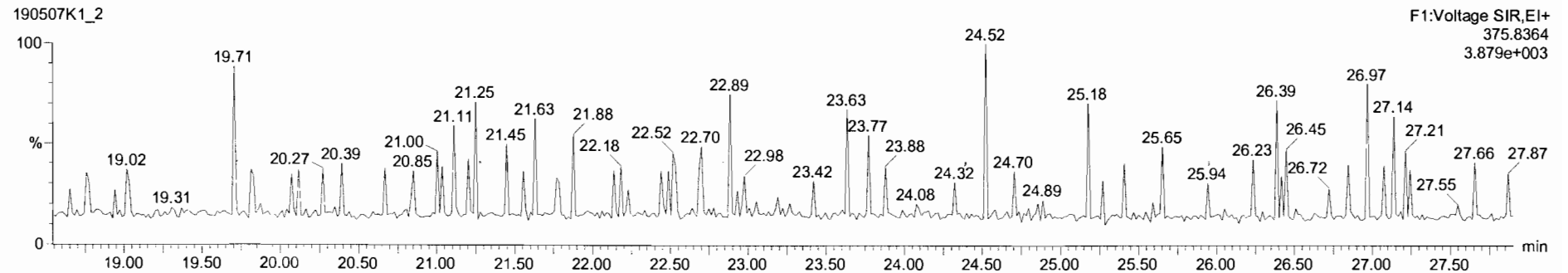
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



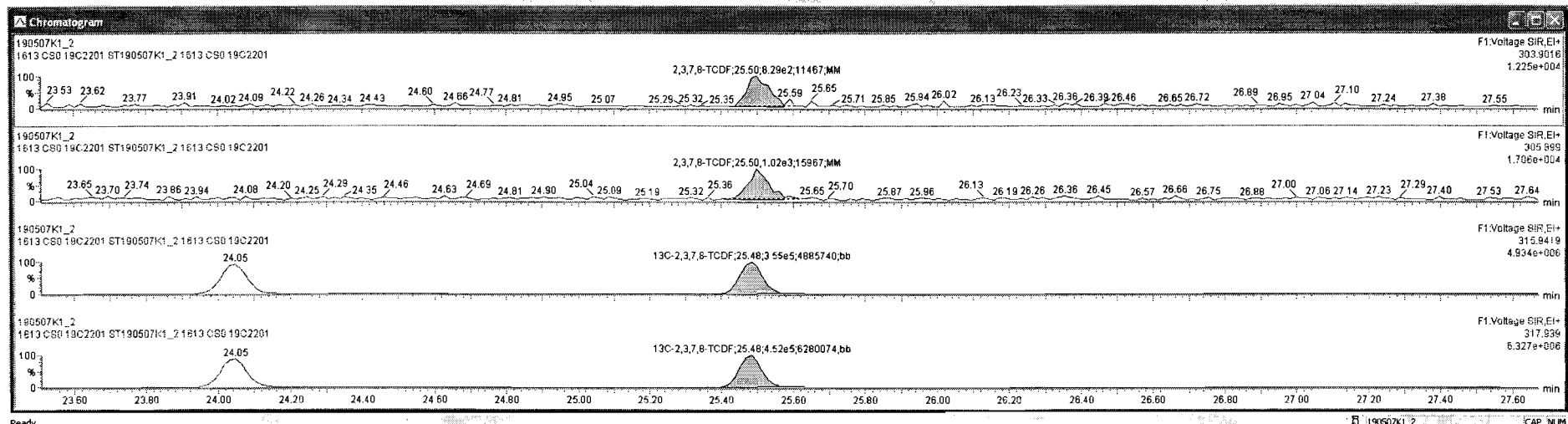
DPE1



TargetLynx 190507K1_CRY.gld

190507K1_2-ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

None	Resp	RA	riy	RRF	WtVol	RT	RRT	Conc	%Rec	DL	EMPC	
1	2,3,7,8-TCDD	1.33e3	0.86	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2	1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3	1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4	1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5	1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6	1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.95e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.8	0.0306	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.88	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.88e3	1.89	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.8	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.37	109	0.127	1.37
17	OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18	13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	80.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	85.9	95.9	0.476	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	



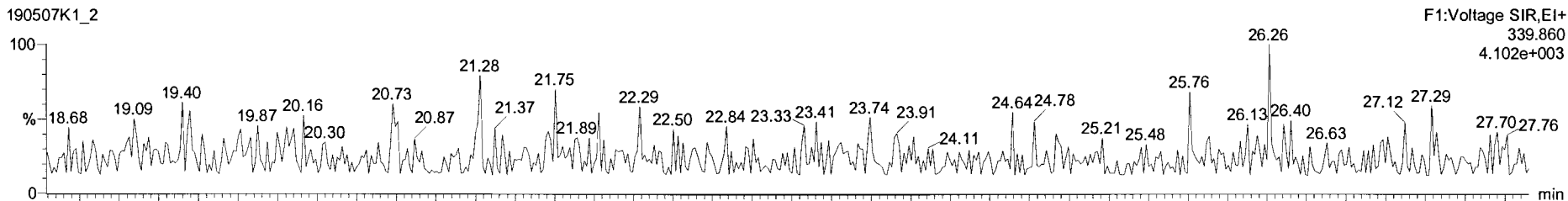
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

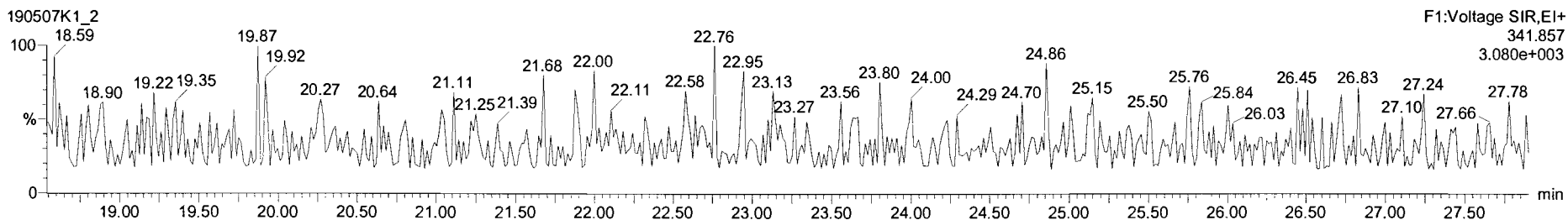
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

1st Func. Penta-Furans

190507K1_2

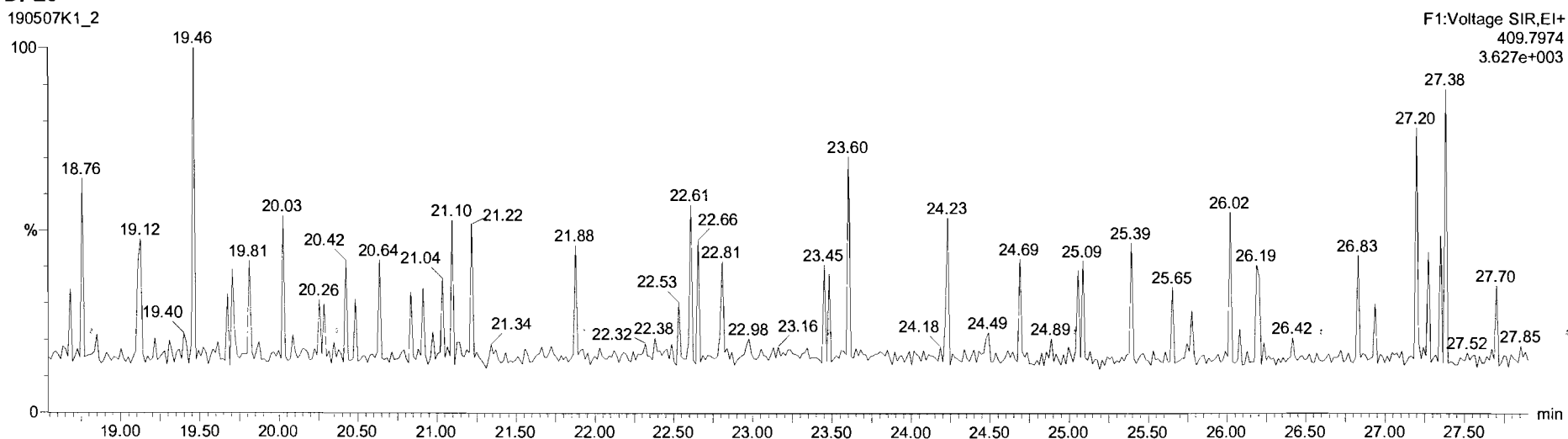


190507K1_2



DPE6

190507K1_2



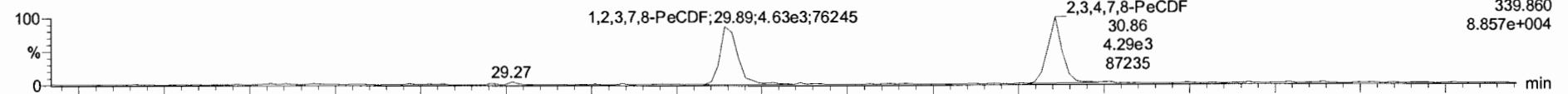
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

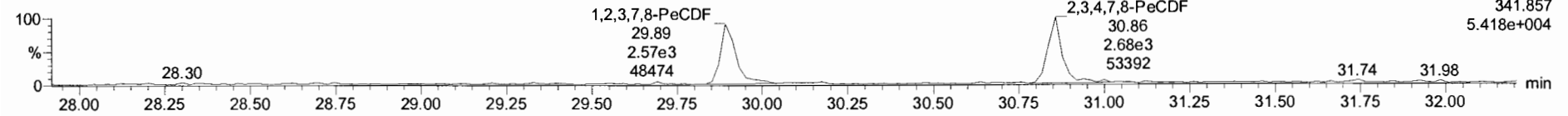
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

1,2,3,7,8-PeCDF

190507K1_2

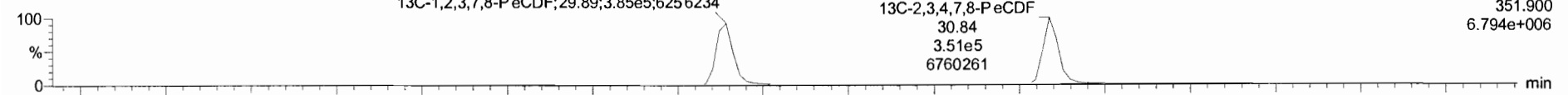


190507K1_2

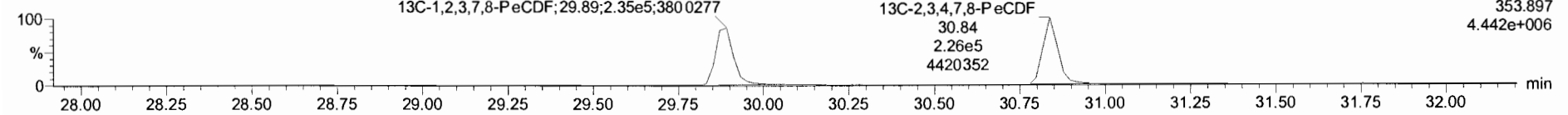


13C-1,2,3,7,8-PeCDF

190507K1_2

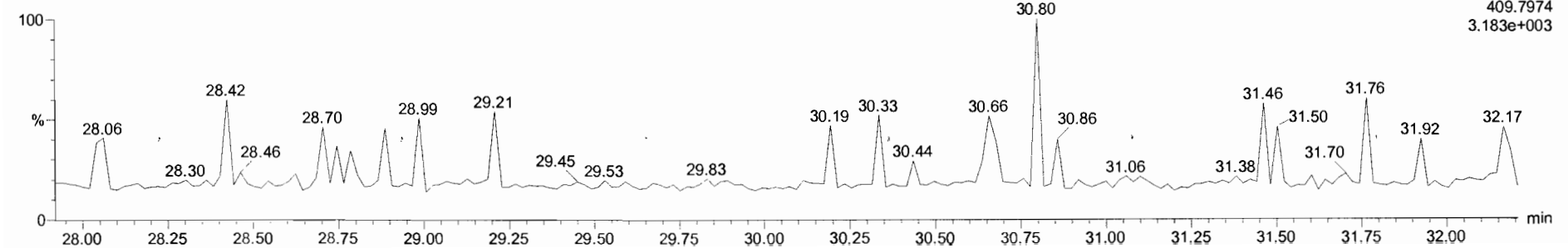


190507K1_2



DPE2

190507K1_2

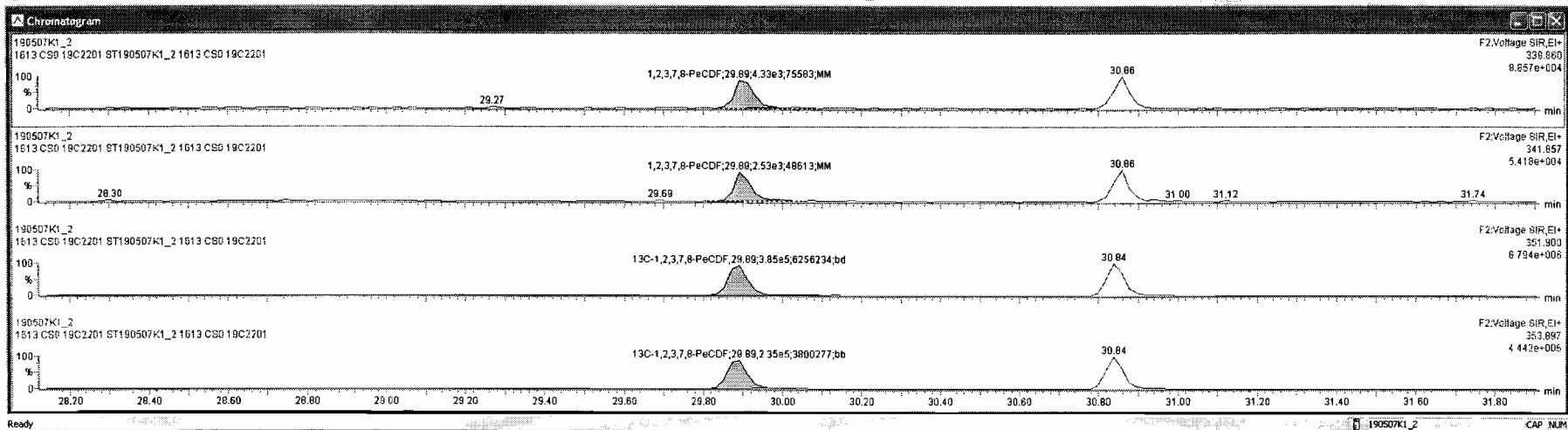


Target1.ymx - 190507K1.CHV.qld

File Edit View Display Processing Window Help

190507K1_2 - ST190507K1_2.1613.CS0.19C2201 - 1613.CS0.19C2201

1	Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2	1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3	1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4	1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.87	1.000	34.53	1.001	1.23	96.4	0.0448	1.23
5	1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.98	1.000	34.81	1.000	1.29	103	0.0567	1.29
6	1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.04	1.000	38.32	1.001	1.23	98.1	0.0744	1.23
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.85e3	0.91	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	6.85e3	1.71	NO	0.98	1.000	29.89	1.000	1.13	90.7	0.0637	1.13
10	2,3,4,7,8-PeCDF	6.68e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.10	1.000	33.67	1.000	1.14	91.2	0.0713	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.18	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.18	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HxCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.36	109	0.127	1.36
17	OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18	13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.478	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	88.4	88.4	0.561	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.53	1.000	38.30	1.128	94.8	94.8	0.475	

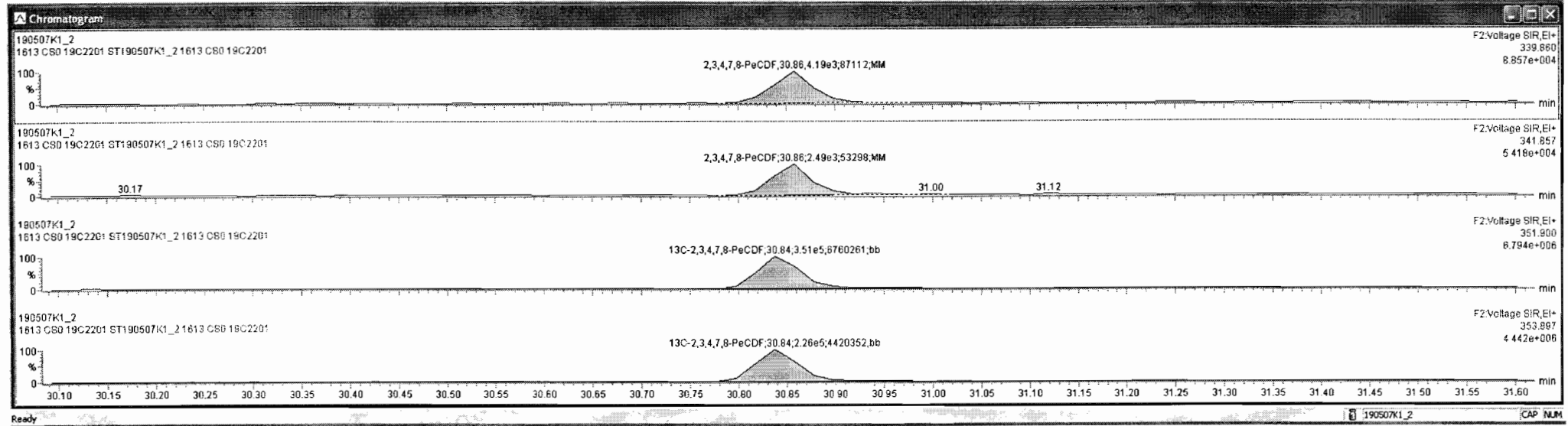


TargetLynx - 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Name	Resp	RA	NY	RRF	wtAvol	R1	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.33e3	0.88	NO	0.52	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2 1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	96.3	0.0640	1.20
3 1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4 1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5 1,2,3,7,8,9-HxCDD	3.66e3	1.09	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6 1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7 OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8 2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9 1,2,3,7,8-PeCDF	6.79e3	1.92	YES	0.97	1.000	29.89	1.000	1.12	89.9	0.0638	0.981
10 2,3,4,7,8-PeCDF	6.68e3	1.89	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11 1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12 1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13 2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14 1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15 1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16 1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.28	1.000	38.86	1.000	1.37	109	0.127	1.37
17 OCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18 13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19 13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20 13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.478	
22 13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.86	1.000	34.80	1.025	87.9	87.9	0.558	
23 13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	



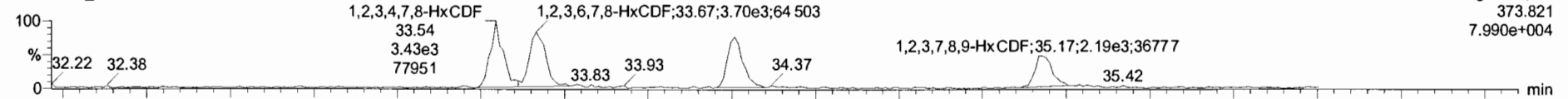
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

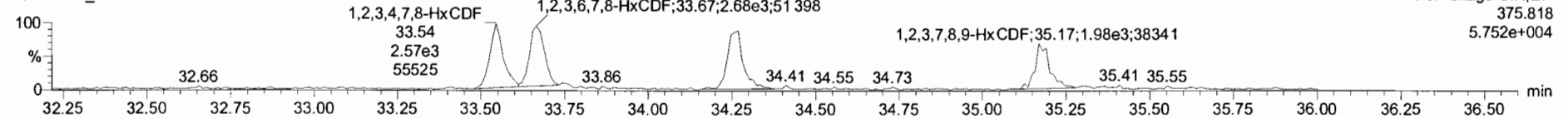
Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

1,2,3,4,7,8-HxCDF

190507K1_2

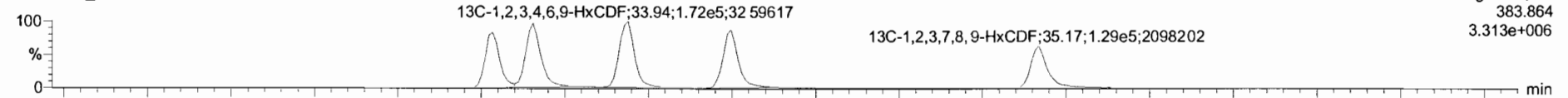


190507K1_2

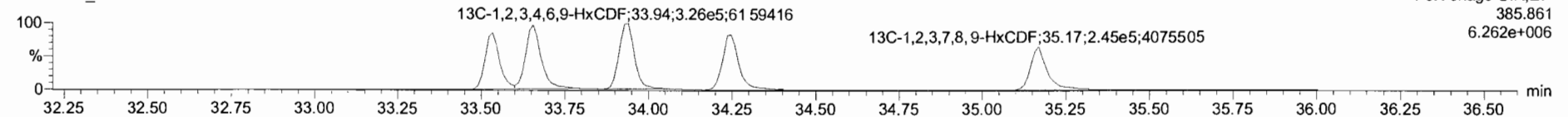


13C-1,2,3,4,7,8-HxCDF

190507K1_2

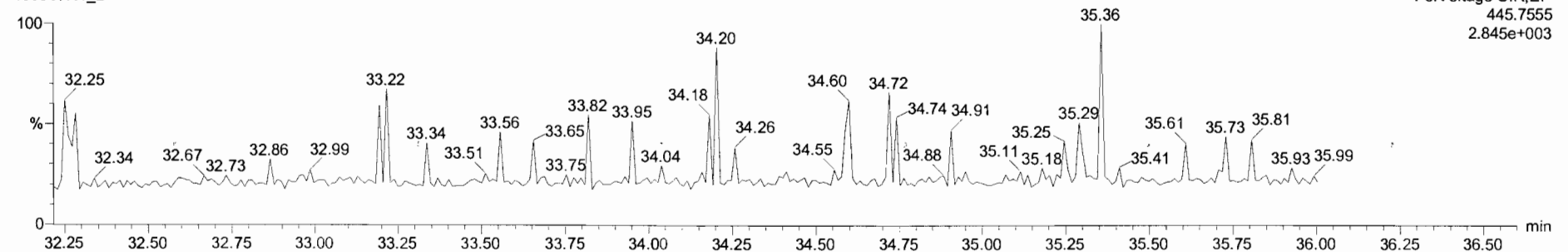


190507K1_2

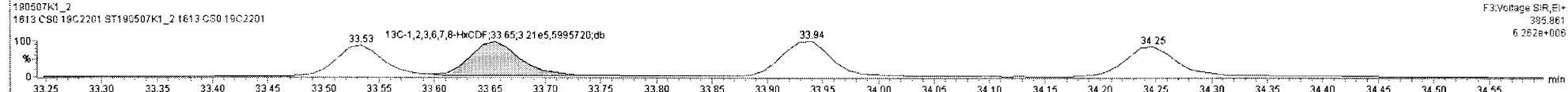
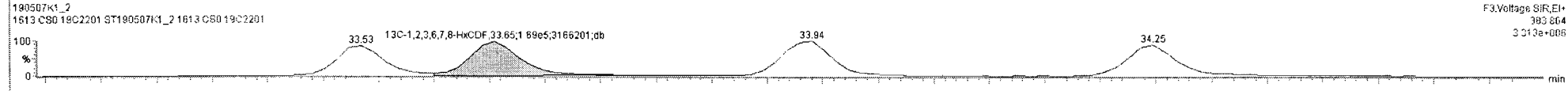
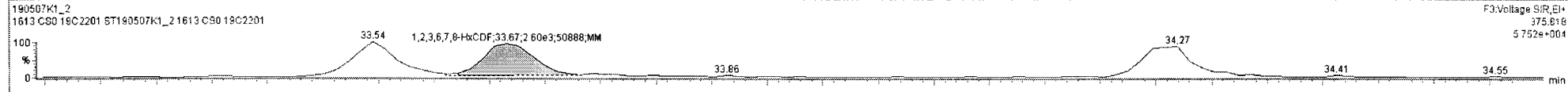
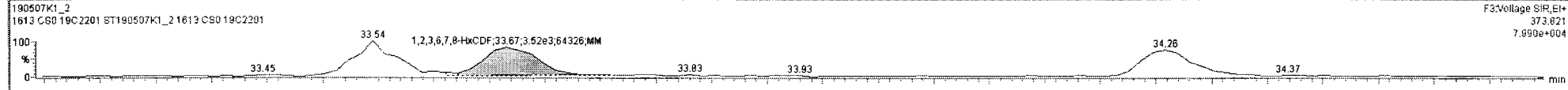


DPE3

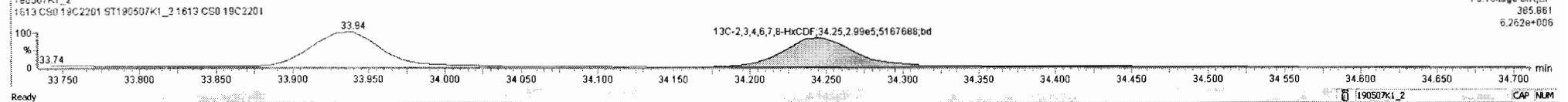
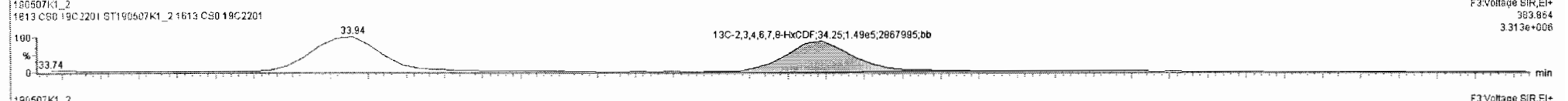
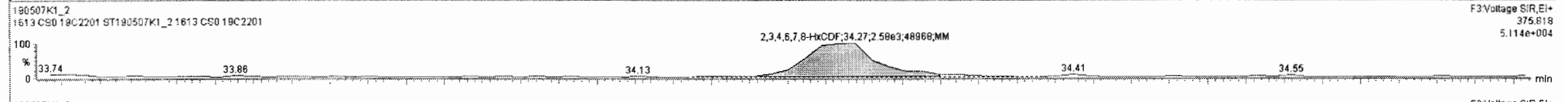
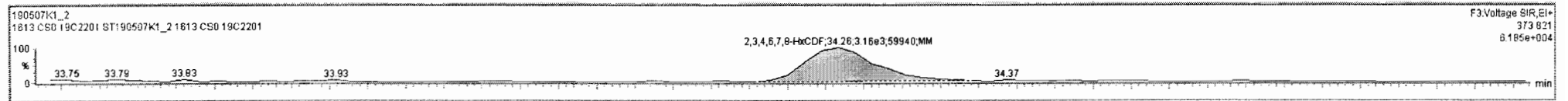
190507K1_2



Name	Resp	RA	nly	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
7 OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.000	2.32	92.6	0.123	2.31
8 2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9 1,2,3,7,8-PeCDF	7.12e3	1.67	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10 2,3,4,7,8-PeCDF	6.68e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11 1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12 1,2,3,6,7,8-HxCDF	6.12e3	1.38	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13 2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14 1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15 1,2,3,4,6,7,8-HxCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16 1,2,3,4,7,8,9-HxCDF	4.31e3	1.07	NO	1.23	1.000	38.86	1.000	1.23	98.5	0.129	1.23
17 OCDF	1.16e4	0.86	NO	1.10	1.000	41.69	1.000	3.48	139	0.191	3.48
18 13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	96.8	96.5	0.219	
19 13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20 13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.27	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22 13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.86	1.000	34.80	1.025	87.9	87.9	0.558	
23 13C-1,2,3,4,6,7,8-HxCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	
24 13C-OCDD	4.62e5	0.90	NO	0.47	1.000	41.46	1.222	198	98.8	0.525	
25 13C-2,3,7,8-TCDF	8.07e5	0.79	NO	0.98	1.000	25.48	0.992	99.2	99.2	0.417	
26 13C-1,2,3,7,8-PeCDF	6.20e5	1.64	NO	0.78	1.000	29.89	1.164	95.7	95.7	0.333	
27 13C-2,3,4,7,8-PeCDF	5.77e5	1.56	NO	0.75	1.000	30.84	1.201	92.4	92.4	0.346	
28 13C-1,2,3,4,7,8-HxCDF	4.01e5	0.52	NO	0.85	1.000	33.53	0.988	95.3	95.3	0.571	
29 13C-1,2,3,6,7,8-HxCDF	4.90e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470	
30 13C-2,3,4,6,7,8-HxCDF	4.48e5	0.50	NO	0.89	1.000	34.25	1.009	101	101	0.541	
31 13C-1,2,3,7,8,9-HxCDF	3.43e5	0.52	NO	0.73	1.000	35.17	1.036	94.0	94.0	0.658	



Name	Resp	RA	nV	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC	
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.000	2.32	92.6	0.123	2.31
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.67	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.68e3	1.89	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	8.12e3	1.36	NO	1.09	1.000	33.87	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.23	1.000	36.86	1.000	1.23	96.5	0.129	1.23
17	OCDF	1.16e4	0.86	NO	1.10	1.000	41.89	1.000	3.48	136	0.191	3.48
18	13C-2,3,7,8-TCDD	5.80e5	0.79	NO	1.05	1.000	26.34	1.025	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.93e5	1.34	NO	0.85	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.27	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.478	
22	13C-1,2,3,7,8,9-HxCDD	2.80e5	1.25	NO	0.86	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	36.90	1.128	93.6	93.6	0.470	
24	13C-OCDD	4.62e5	0.90	NO	0.47	1.000	41.46	1.222	198	98.8	0.525	
25	13C-2,3,7,8-TCDF	8.07e5	0.79	NO	0.98	1.000	25.48	0.992	99.2	99.2	0.417	
26	13C-1,2,3,7,8-PeCDF	6.20e5	1.64	NO	0.78	1.000	29.89	1.164	95.7	95.7	0.333	
27	13C-2,3,4,7,8-PeCDF	5.77e5	1.58	NO	0.75	1.000	30.84	1.201	92.4	92.4	0.346	
28	13C-1,2,3,4,7,8-HxCDF	4.01e5	0.52	NO	0.85	1.000	33.53	0.988	95.3	95.3	0.571	
28	13C-1,2,3,6,7,8-HxCDF	4.90e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470	
30	13C-2,3,4,6,7,8-HpCDF	4.48e5	0.50	NO	0.89	1.000	34.25	1.009	101	101	0.541	
31	13C-1,2,3,7,8,9-HxCDF	3.43e5	0.52	NO	0.73	1.000	35.17	1.036	94.0	94.0	0.658	

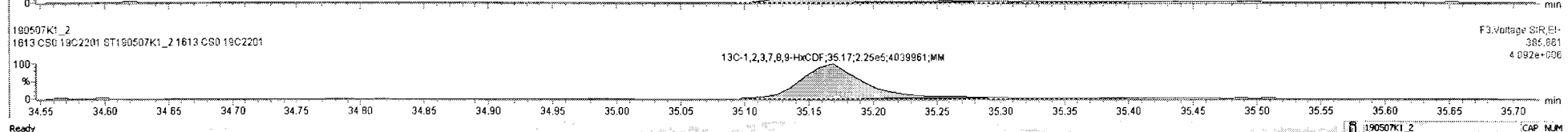
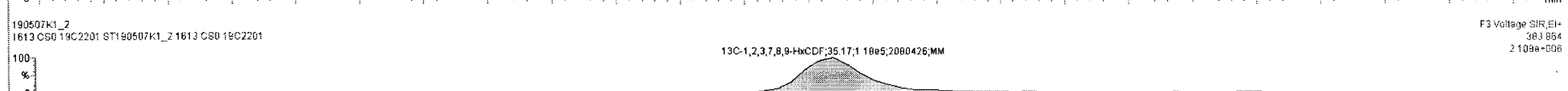
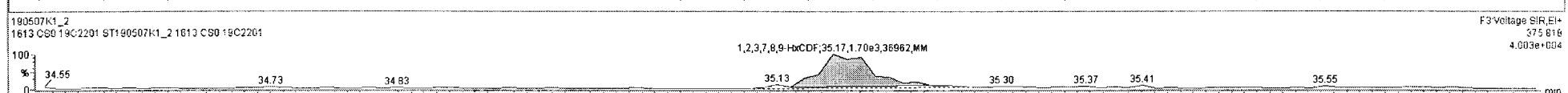
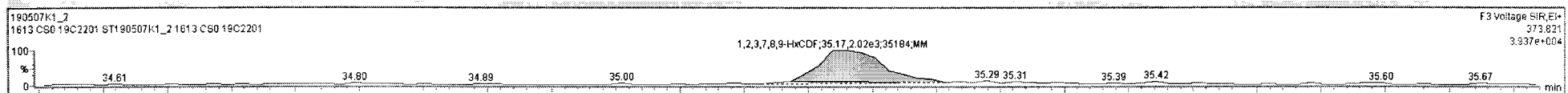


TargetLynx 190507K1_CRV.qld [Chromatogram]

File Edit View Display Processing Window Help

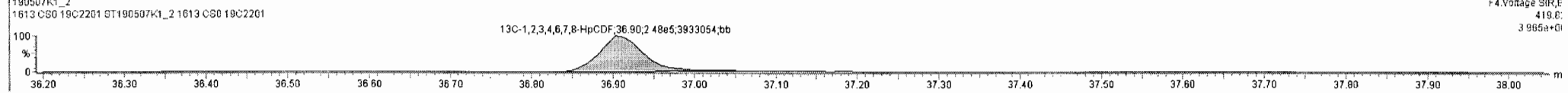
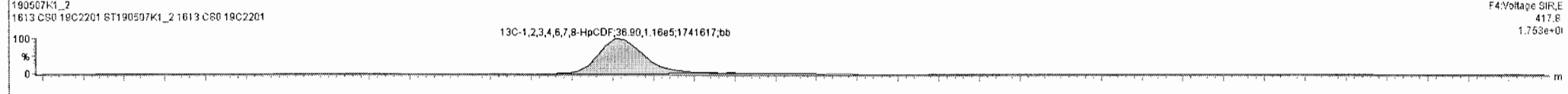
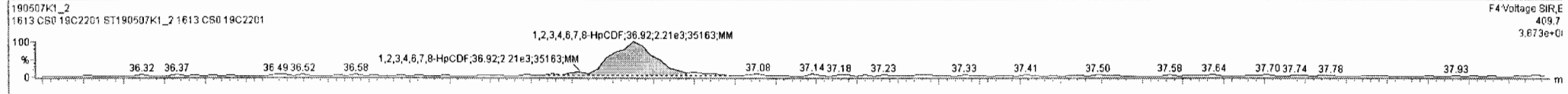
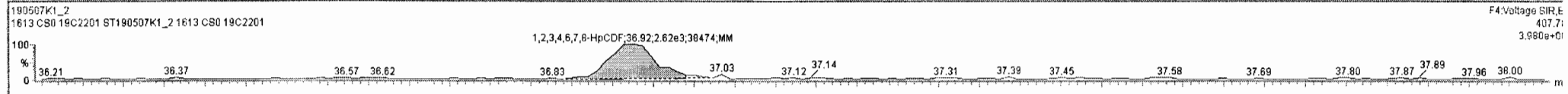
190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

#	Name	Resp	RA	nNY	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.000	2.32	92.6	0.123	2.31
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.67	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.68e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	95.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.36	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.79e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.23	1.000	38.86	1.000	1.23	96.5	0.129	1.23
17	OCDF	1.16e4	0.86	NO	1.10	1.000	41.69	1.000	3.48	139	0.191	3.48
18	13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	96.5	96.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.27	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.478	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	36.30	1.128	93.6	93.6	0.470	
24	13C-OCDD	4.82e5	0.90	NO	0.47	1.000	41.46	1.222	198	98.8	0.525	
25	13C-2,3,7,8-TCDF	8.07e5	0.79	NO	0.98	1.000	25.48	0.992	99.2	99.2	0.417	
26	13C-1,2,3,7,8-PeCDF	6.20e5	1.64	NO	0.78	1.000	29.89	1.164	95.7	95.7	0.333	
27	13C-2,3,4,7,8-PeCDF	5.77e5	1.56	NO	0.75	1.000	30.84	1.201	92.4	92.4	0.346	
28	13C-1,2,3,4,7,8-HxCDF	4.01e5	0.52	NO	0.85	1.000	33.53	0.988	95.3	95.3	0.571	
29	13C-1,2,3,6,7,8-HxCDF	4.90e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470	
30	13C-2,3,4,6,7,8-HxCDF	4.48e5	0.50	NO	0.89	1.000	34.25	1.009	101	101	0.541	
31	13C-1,2,3,7,8,9-HxCDF	3.43e5	0.52	NO	0.73	1.000	35.17	1.036	94.0	94.0	0.658	



190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
7 OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.000	2.32	92.6	0.123	2.31
8 2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9 1,2,3,7,8-PeCDF	7.12e3	1.67	NO	0.98	1.000	29.69	1.000	1.17	93.7	0.0634	1.17
10 2,3,4,7,8-PeCDF	6.68e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11 1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12 1,2,3,6,7,8-HxCDF	6.12e3	1.36	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13 2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	96.9	0.0704	1.09
14 1,2,3,7,8,9-HxCDF	3.79e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15 1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.16	84.1	0.115	1.16
16 1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.23	1.000	36.86	1.000	1.23	98.5	0.129	1.23
17 OCDF	1.16e4	0.86	NO	1.10	1.000	41.69	1.000	3.48	139	0.191	3.48
18 13C-2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19 13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20 13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21 13C-1,2,3,6,7,8-HxCDD	3.71e5	1.27	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22 13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23 13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	36.30	1.128	93.6	93.6	0.470	
24 13C-OCDD	4.62e5	0.90	NO	0.47	1.000	41.46	1.222	198	98.8	0.525	
25 13C-2,3,7,8-TCDF	8.07e5	0.79	NO	0.98	1.000	25.48	0.992	99.2	99.2	0.417	
26 13C-1,2,3,7,8-PeCDF	6.20e5	1.64	NO	0.78	1.000	29.89	1.164	95.7	95.7	0.333	
27 13C-2,3,4,7,8-PeCDF	5.77e5	1.56	NO	0.75	1.000	30.84	1.201	92.4	92.4	0.346	
28 13C-1,2,3,4,7,8-HxCDF	4.01e5	0.52	NO	0.85	1.000	33.53	0.988	95.3	95.3	0.571	
29 13C-1,2,3,6,7,8-HxCDF	4.90e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470	
30 13C-2,3,4,6,7,8-HxCDF	4.48e5	0.50	NO	0.89	1.000	34.25	1.009	101	101	0.541	
31 13C-1,2,3,7,8,9-HxCDF	3.43e5	0.52	NO	0.73	1.000	35.17	1.036	94.0	94.0	0.658	

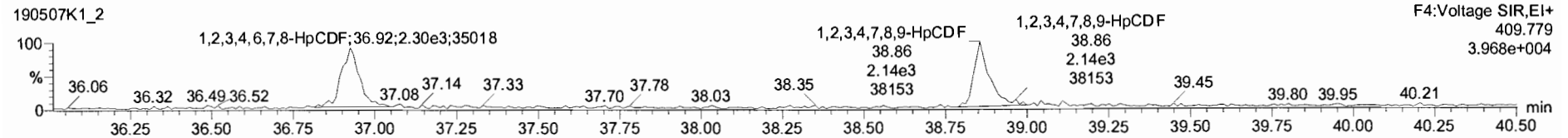
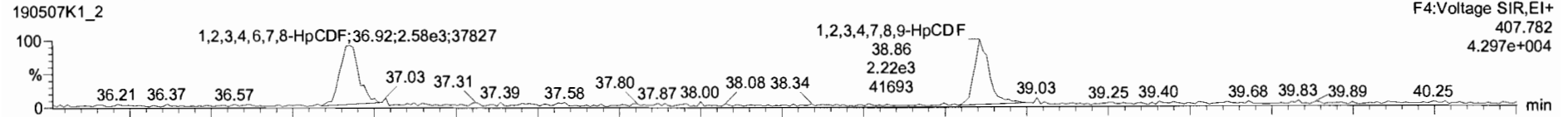


Dataset: Untitled

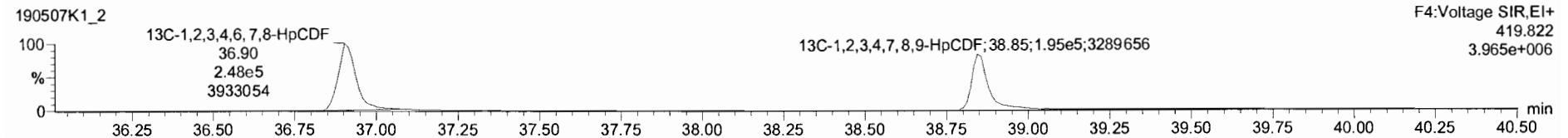
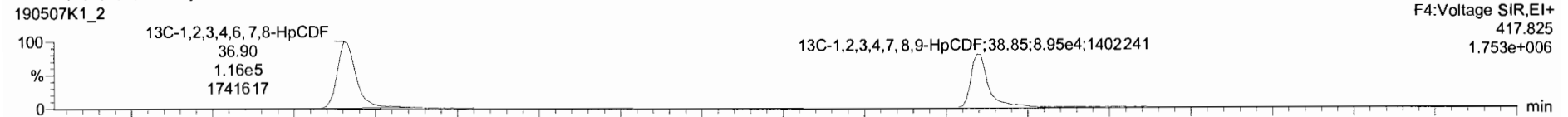
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

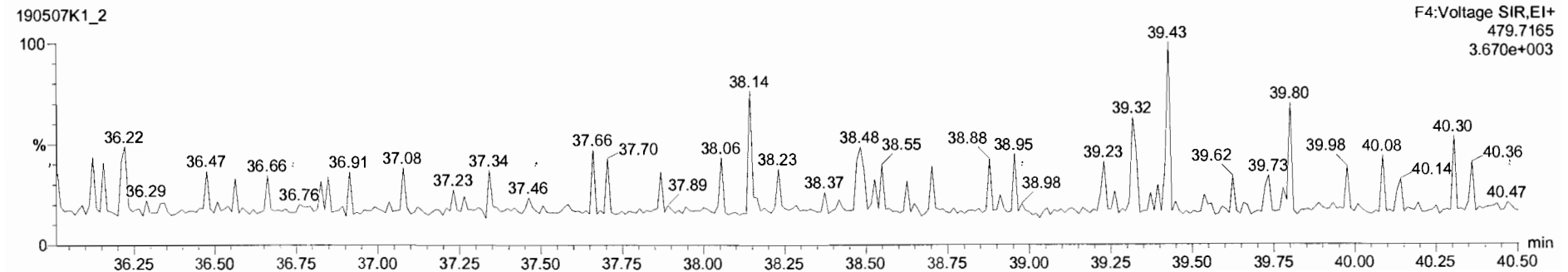
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF

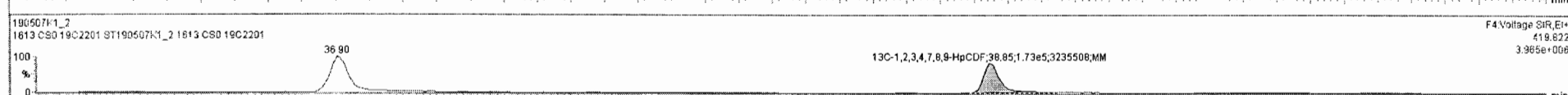
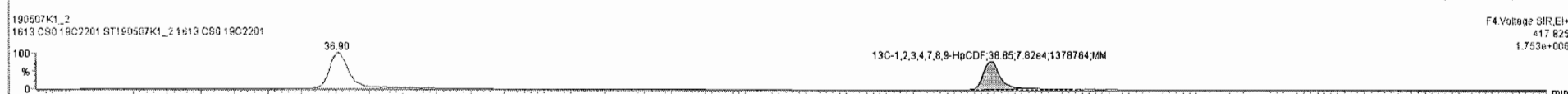
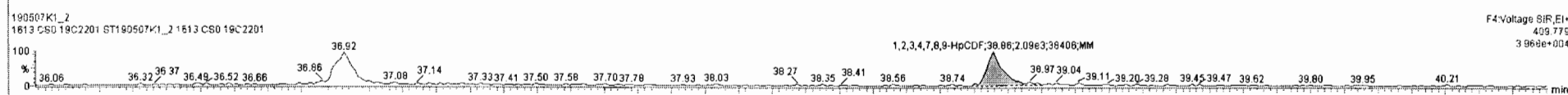
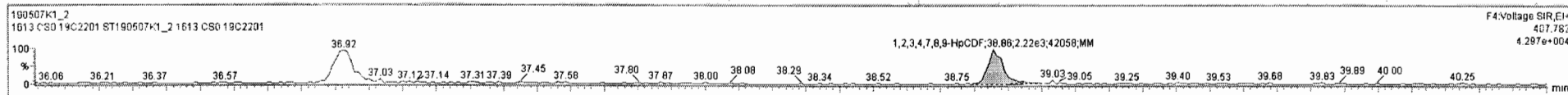
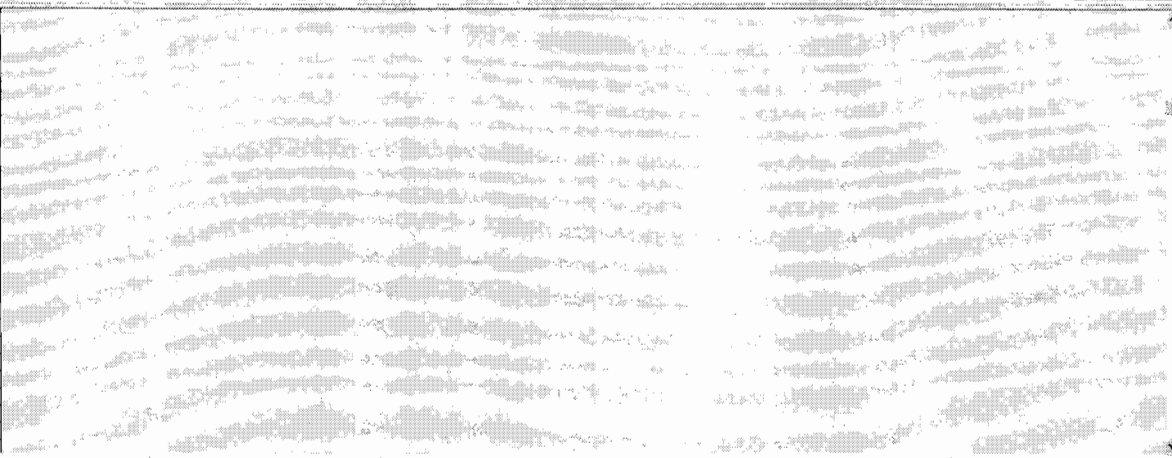


DPE4



190507K1_2 - ST190507K1_2 1613 CS0 19C2201 - 1613 CS0 19C2201

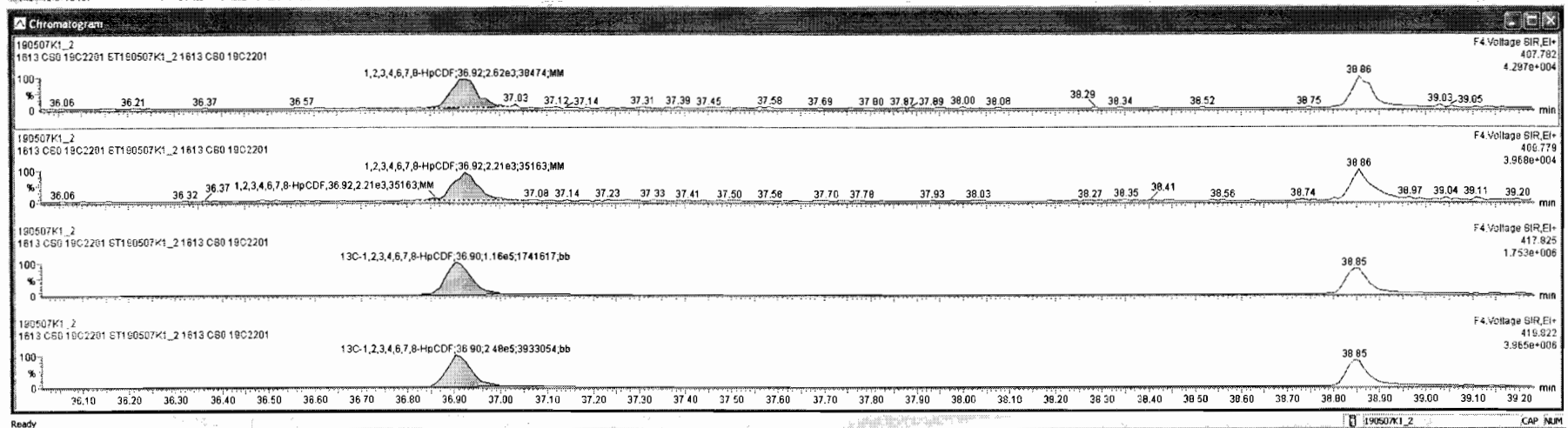
Name	Resp	RA	dy	RRF	wtAvl	RT	RRT	Conc	%Rec	DL	EMPC	
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.84	1.000	25.50	1.001	0.245	87.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.99	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.88e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	39.86	1.000	1.37	109	0.122	1.32
17	OCDF	1.16e4	0.85	NO	1.10	1.000	41.69	1.000	3.48	139	0.191	3.48
18	13C-2,3,7,8-TCDD	5.60e5	0.78	NO	1.05	1.000	26.34	1.026	89.5	99.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.85	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.86	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	
24	13C-OCDD	4.62e5	0.91	NO	0.47	1.000	41.46	1.221	198	98.8	0.525	
25	13C-2,3,7,8-TCDF	8.07e5	0.79	NO	0.98	1.000	25.48	0.992	99.2	99.2	0.417	
26	13C-1,2,3,7,8-PeCDF	6.20e5	1.64	NO	0.78	1.000	29.89	1.164	95.7	95.7	0.333	
27	13C-2,3,4,7,8-PeCDF	5.77e5	1.56	NO	0.75	1.000	30.84	1.201	92.4	92.4	0.346	
28	13C-1,2,3,4,7,8-HxCDF	4.01e5	0.52	NO	0.95	1.000	33.53	0.988	95.3	95.3	0.571	
29	13C-1,2,3,6,7,8-HxCDF	4.50e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470	
30	13C-2,3,4,6,7,8-HxCDF	4.48e5	0.50	NO	0.89	1.000	34.25	1.009	101	101	0.541	
31	13C-1,2,3,7,8,9-HxCDF	3.43e5	0.53	NO	0.73	1.000	35.17	1.036	94.0	94.0	0.658	



Target Lynx - 190507K1_CRY.qld

190507K1_2-ST190507K1_2-1613.CS0-19C2201-1613.CS0-19C2201

Name	Resp	RA	rv	REF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC	
1	2,3,7,8-TCDD	1.33e3	0.88	NO	0.92	1.000	26.34	1.000	0.247	98.8	0.0640	0.247
2	1,2,3,7,8-PeCDD	4.13e3	0.67	NO	0.90	1.000	31.14	1.001	1.20	95.3	0.0640	1.20
3	1,2,3,4,7,8-HxCDD	3.85e3	1.38	NO	1.07	1.000	34.42	1.001	1.19	95.2	0.0463	1.19
4	1,2,3,6,7,8-HxCDD	4.41e3	1.40	NO	0.97	1.000	34.53	1.001	1.23	98.4	0.0448	1.23
5	1,2,3,7,8,9-HxCDD	3.68e3	1.08	NO	0.97	1.000	34.81	1.000	1.30	104	0.0570	1.30
6	1,2,3,4,6,7,8-HpCDD	3.20e3	0.97	NO	1.03	1.000	38.32	1.001	1.24	99.2	0.0752	1.24
7	OCDD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0608	0.245
9	1,2,3,7,8-PeCDF	6.79e3	1.92	YES	0.97	1.000	29.89	1.000	1.12	89.9	0.0638	0.981
10	2,3,4,7,8-HxCDF	6.68e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0562	1.15
11	1,2,3,4,6,7,8-HxCDF	6.00e3	1.94	NO	1.24	1.000	33.54	1.000	1.20	95.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.09	86.9	0.0704	1.09
14	1,2,3,7,8,9-HxCDF	3.73e3	1.19	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.119	1.01
15	1,2,3,4,6,7,8-HpCDF	4.62e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	OCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.37	109	0.127	1.37
17	1,2,3,7,8-TCDF	1.12e4	0.91	NO	1.10	1.000	41.69	1.000	3.49	139	0.191	3.49
18	1,2,3,7,8-TCDD	5.80e5	0.78	NO	1.05	1.000	26.34	1.028	88.5	88.5	0.219	
19	1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22	1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.559	
23	1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	



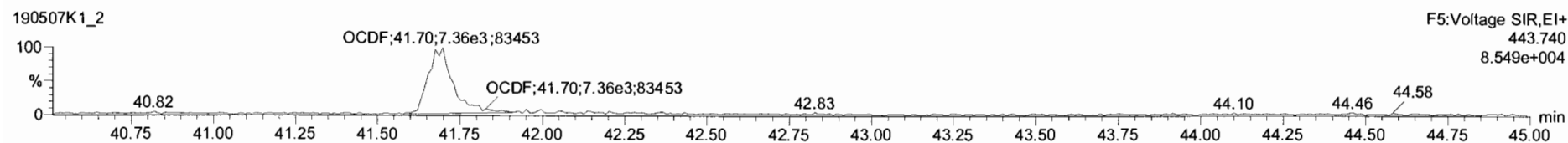
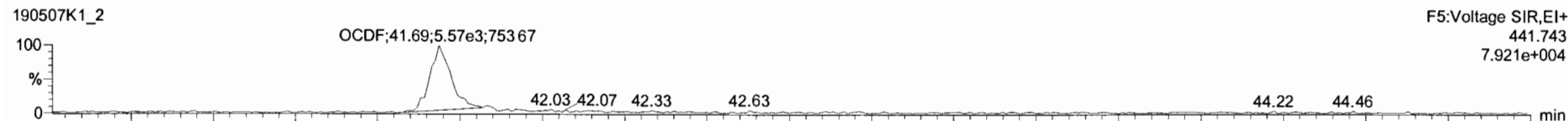
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

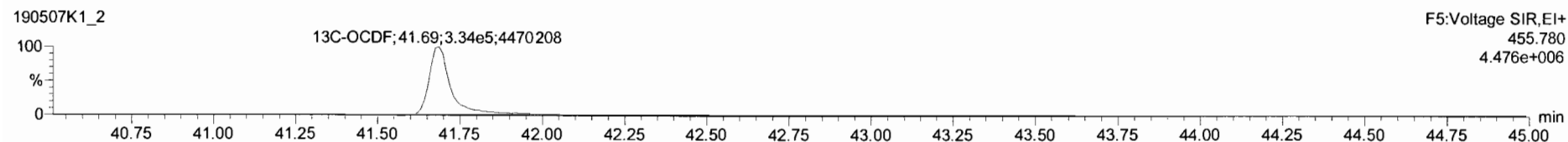
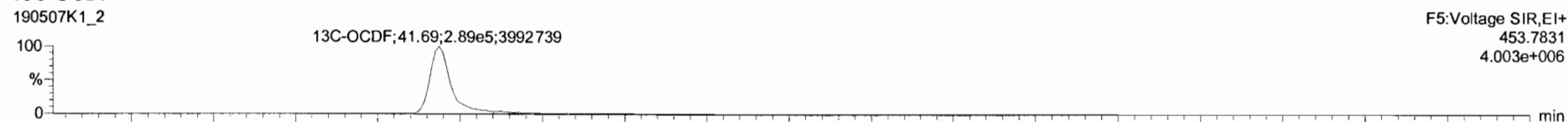
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201

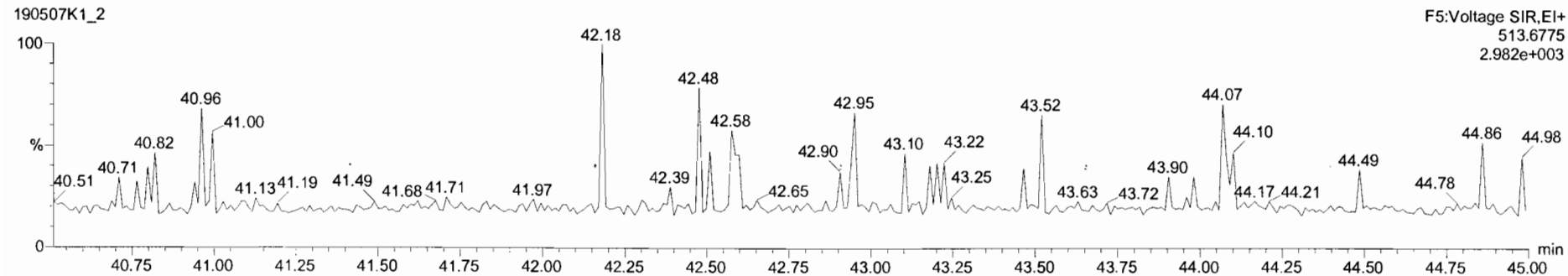
OCDF



13C-OCDF



DPE5

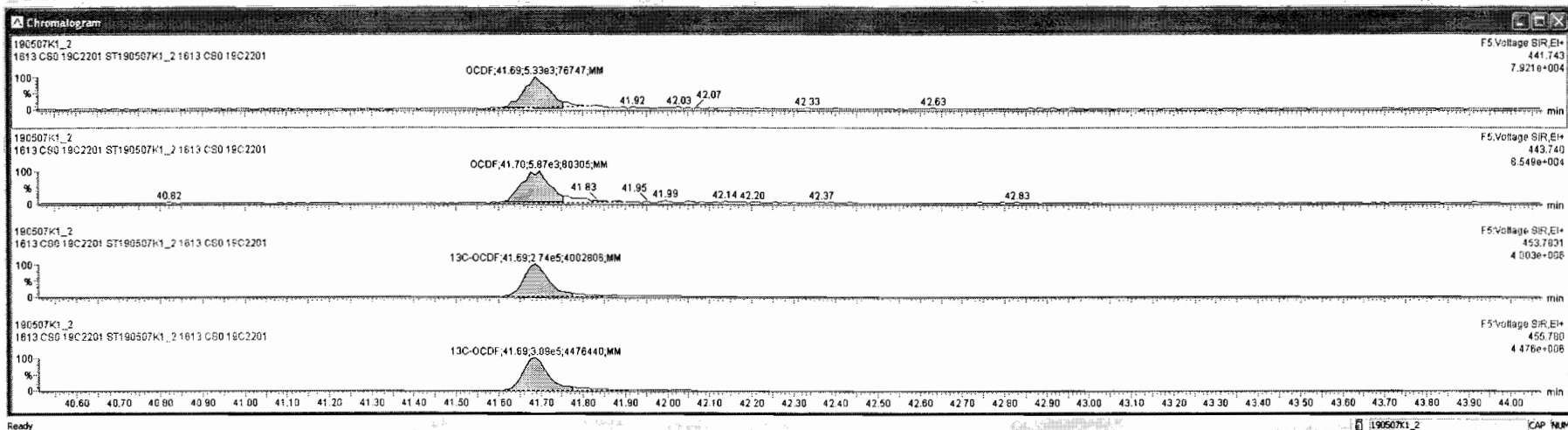


Target: ymx - 190507K1_CRV.gld

File Edit View Display Processing Window Help

190507K1_2 - ST190507K1_2-1613 CS0 19C2201 - 1613 CS0 19C2201

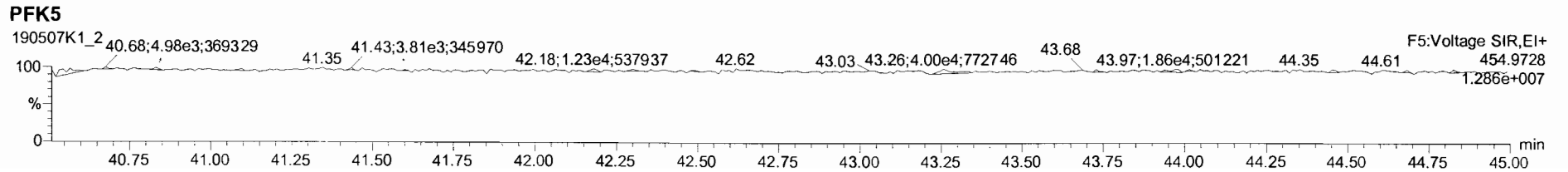
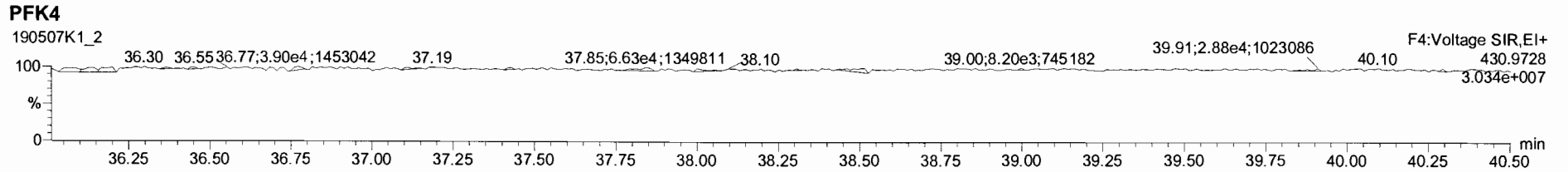
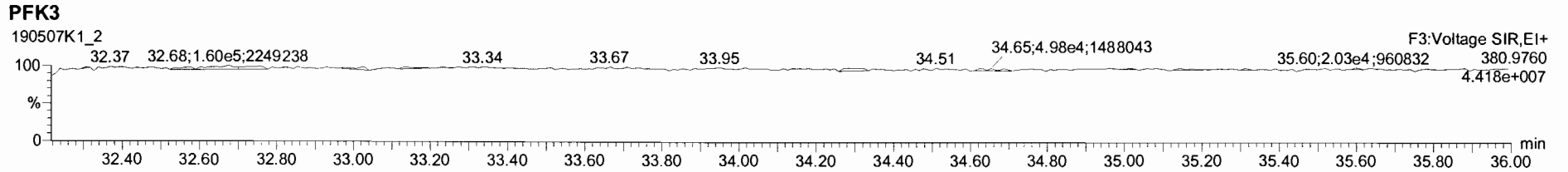
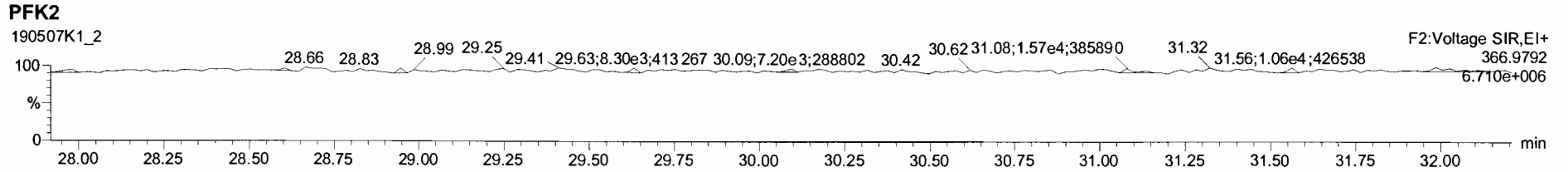
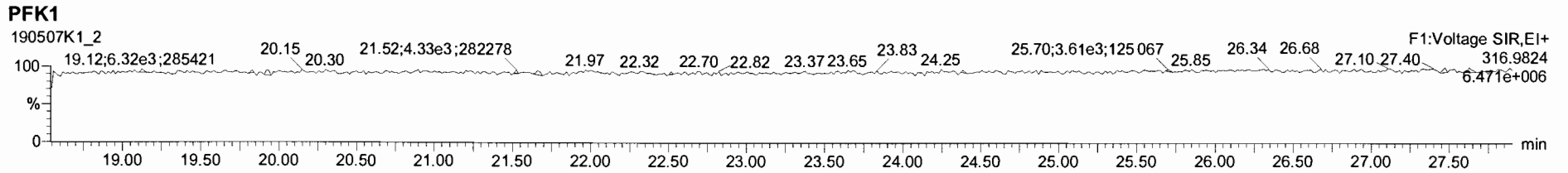
#	Name	Resp	RA	IIV	RRF	WtVol	RT	RRT	Conc	%Rec	DI	EMPC
7	OCD	5.20e3	0.90	NO	0.97	1.000	41.48	1.001	2.32	92.6	0.123	2.32
8	2,3,7,8-TCDF	1.85e3	0.81	NO	0.94	1.000	25.50	1.001	0.245	97.9	0.0508	0.245
9	1,2,3,7,8-PeCDF	7.12e3	1.68	NO	0.98	1.000	29.89	1.000	1.17	93.7	0.0634	1.17
10	2,3,4,7,8-PeCDF	6.88e3	1.69	NO	1.00	1.000	30.86	1.001	1.15	92.2	0.0662	1.15
11	1,2,3,4,7,8-HxCDF	6.00e3	1.34	NO	1.24	1.000	33.54	1.000	1.20	96.3	0.0720	1.20
12	1,2,3,6,7,8-HxCDF	6.12e3	1.35	NO	1.09	1.000	33.67	1.000	1.14	91.4	0.0714	1.14
13	2,3,4,6,7,8-HxCDF	5.74e3	1.22	NO	1.18	1.000	34.26	1.000	1.08	86.9	0.0704	1.08
14	1,2,3,7,8,9-HxCDF	3.73e3	1.18	NO	1.07	1.000	35.17	1.000	1.01	80.9	0.110	1.01
15	1,2,3,4,6,7,8-HpCDF	4.83e3	1.19	NO	1.13	1.000	36.92	1.001	1.18	94.1	0.115	1.18
16	1,2,3,4,7,8,9-HpCDF	4.31e3	1.07	NO	1.26	1.000	38.86	1.000	1.37	109	0.127	1.37
17	OCD	1.12e4	0.91	NO	1.10	1.000	41.60	1.000	3.48	138	0.191	3.48
18	13C-2,3,7,8-TCDD	5.90e5	0.78	NO	1.05	1.000	26.34	1.026	98.5	98.5	0.219	
19	13C-1,2,3,7,8-PeCDD	3.79e5	0.63	NO	0.74	1.000	31.12	1.212	90.9	90.9	0.224	
20	13C-1,2,3,4,7,8-HxCDD	3.03e5	1.34	NO	0.65	1.000	34.40	1.014	94.1	94.1	0.572	
21	13C-1,2,3,6,7,8-HxCDD	3.71e5	1.28	NO	0.78	1.000	34.51	1.017	95.9	95.9	0.476	
22	13C-1,2,3,7,8,9-HxCDD	2.90e5	1.25	NO	0.66	1.000	34.80	1.025	87.9	87.9	0.558	
23	13C-1,2,3,4,6,7,8-HpCDD	2.52e5	1.01	NO	0.54	1.000	38.30	1.128	93.6	93.6	0.470	
24	13C-OCD	4.62e5	0.91	NO	0.47	1.000	41.46	1.221	198	98.8	0.525	
25	13C-2,3,7,8-TCDF	8.07e5	0.79	NO	0.98	1.000	25.48	0.992	99.2	99.2	0.417	
26	13C-1,2,3,7,8-PeCDF	6.20e5	1.64	NO	0.78	1.000	29.89	1.164	95.7	95.7	0.333	
27	13C-2,3,4,7,8-PeCDF	5.77e5	1.56	NO	0.75	1.000	30.84	1.201	92.4	92.4	0.348	
28	13C-1,2,3,4,7,8-HxCDF	4.01e5	0.52	NO	0.85	1.000	33.53	0.988	95.3	95.3	0.571	
29	13C-1,2,3,6,7,8-HxCDF	4.90e5	0.53	NO	1.03	1.000	33.65	0.992	95.9	95.9	0.470	



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_2, Date: 07-May-2019, Time: 11:18:22, ID: ST190507K1_2 1613 CS0 19C2201, Description: 1613 CS0 19C2201



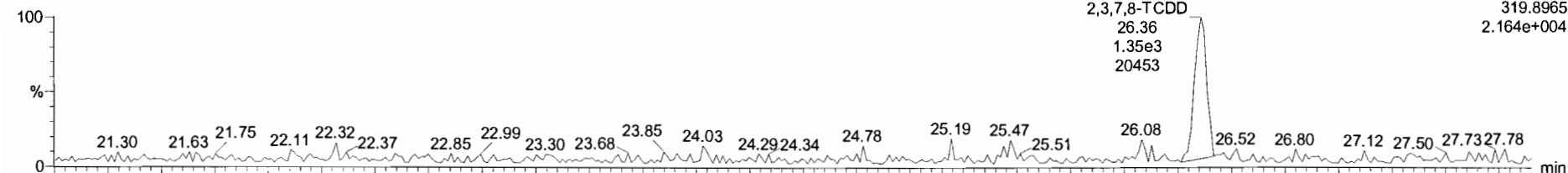
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

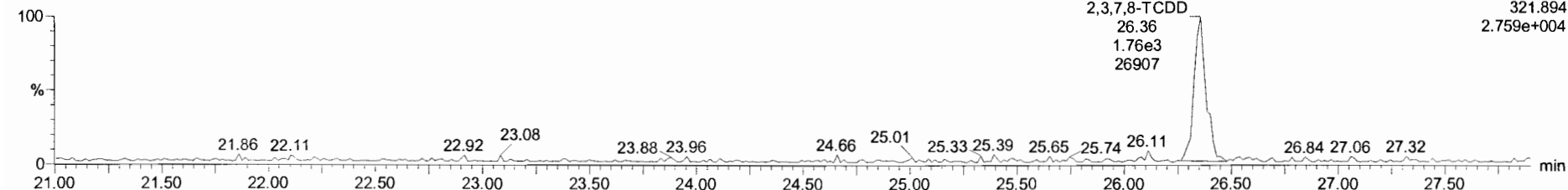
2,3,7,8-TCDD

190507K1_4



F1: Voltage SIR, EI+
319.8965
2.164e+004

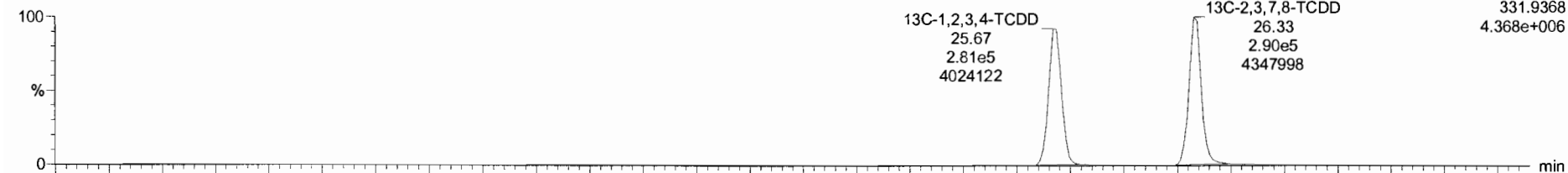
190507K1_4



F1: Voltage SIR, EI+
321.894
2.759e+004

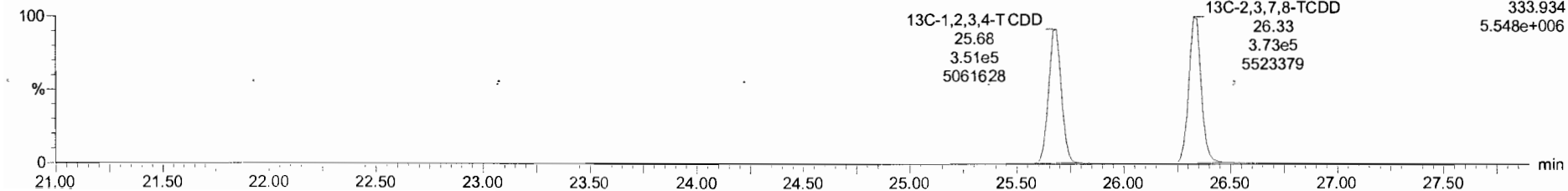
13C-2,3,7,8-TCDD

190507K1_4



F1: Voltage SIR, EI+
331.9368
4.368e+006

190507K1_4

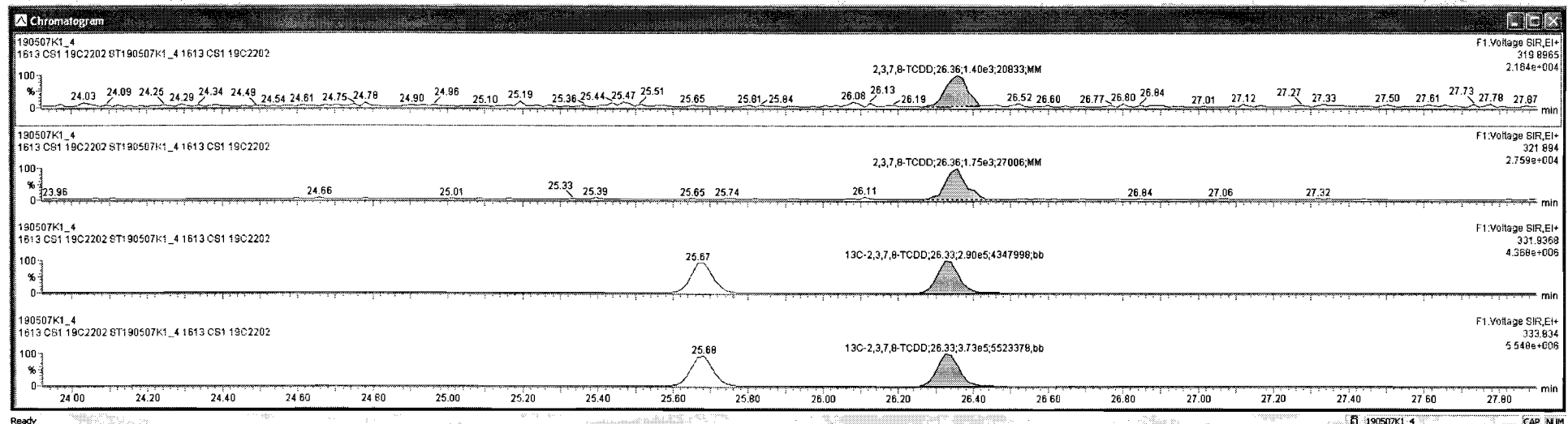


F1: Voltage SIR, EI+
333.934
5.548e+006

Target.ynx 190507K1 CRV.qld

190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

Name	Resp	RA	RY	RRF	wt/Vol	RT	RRT	Conc	%Rec	IL	EMPC
1 2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2 1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3 1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0980	2.32
4 1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5 1,2,3,7,8,9-HxCDD	8.26e3	1.22	NO	0.97	1.000	34.60	1.000	2.48	99.1	0.118	2.48
6 1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7 OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8 2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9 1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10 2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11 1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12 1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13 2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14 1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.16	1.000	2.42	96.9	0.138	2.42
15 1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.5	0.119	2.44
16 1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17 OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18 13C-2,3,7,8-TCDD	6.64e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19 13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20 13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.85	1.000	34.40	1.014	96.7	96.7	0.418	
21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.08	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



Dataset: Untitled

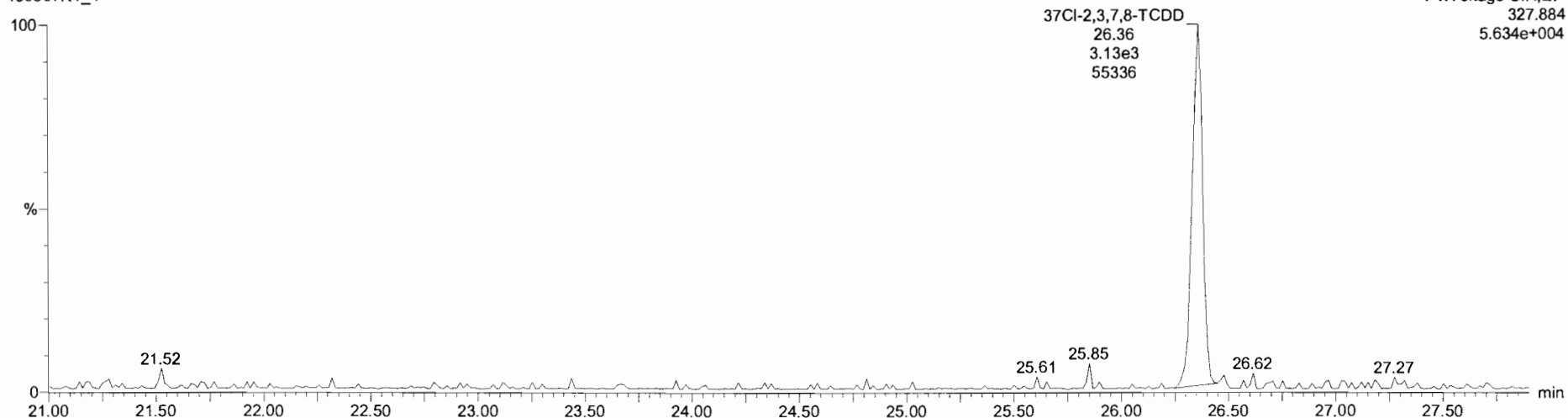
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

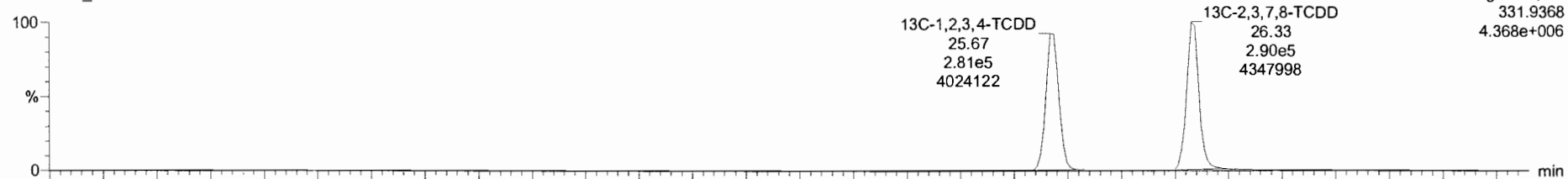
37Cl-2,3,7,8-TCDD

190507K1_4

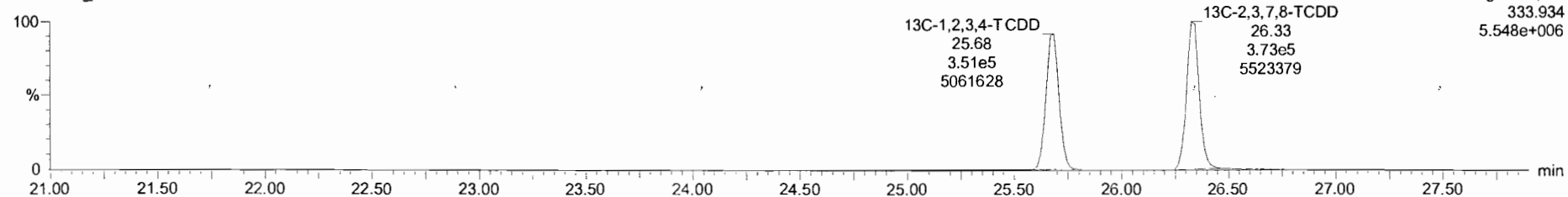


13C-1,2,3,4-TCDD

190507K1_4



190507K1_4



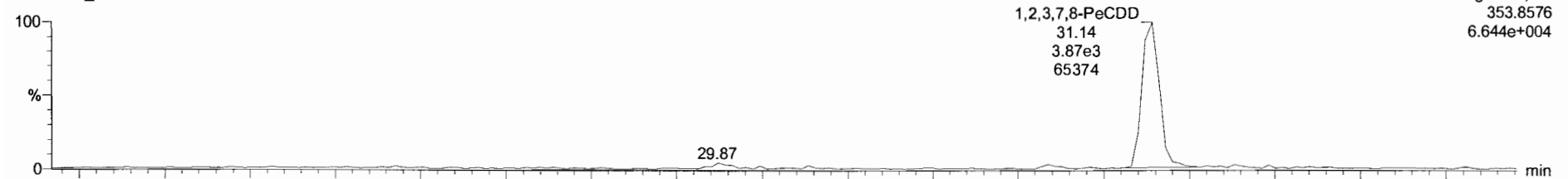
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

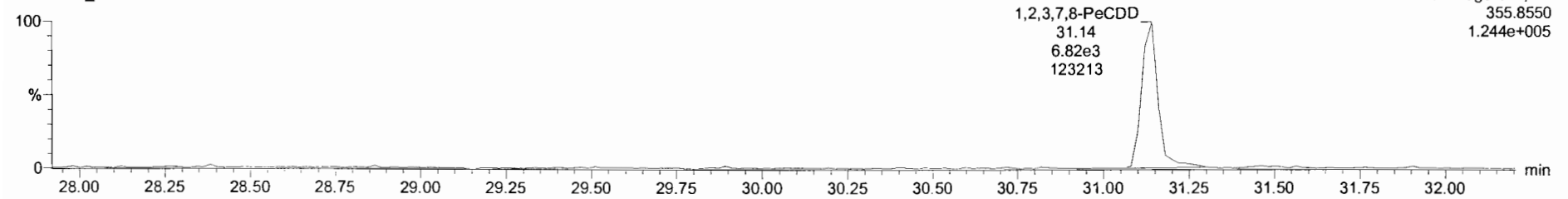
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

1,2,3,7,8-PeCDD

190507K1_4

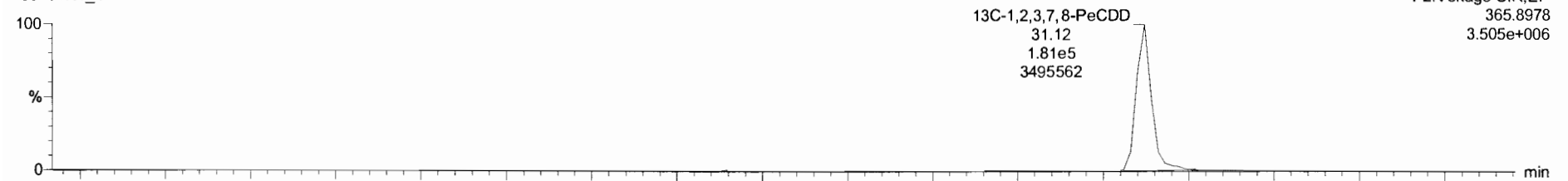


190507K1_4

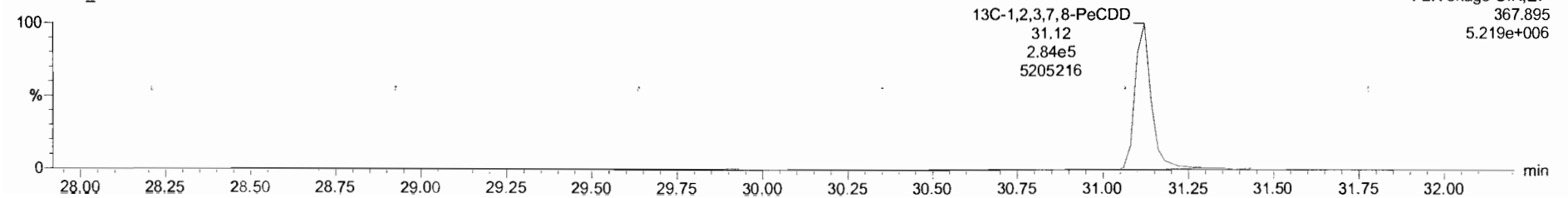


13C-1,2,3,7,8-PeCDD

190507K1_4



190507K1_4



Dataset: Untitled

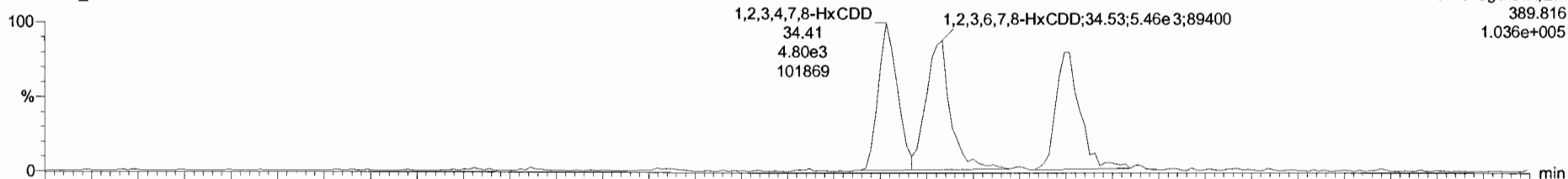
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

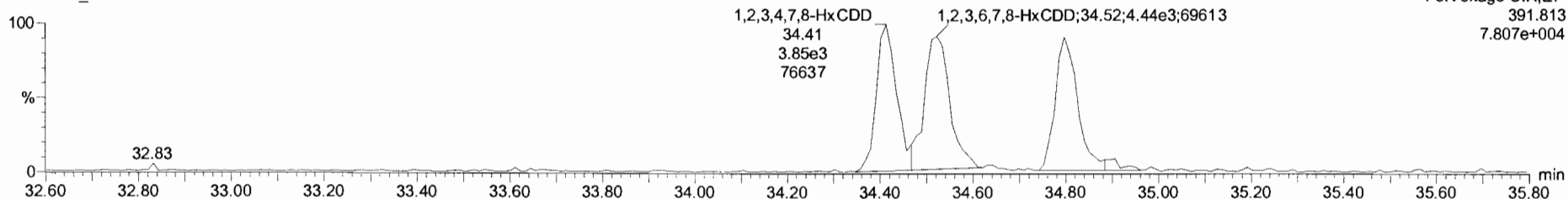
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

1,2,3,4,7,8-HxCDD

190507K1_4

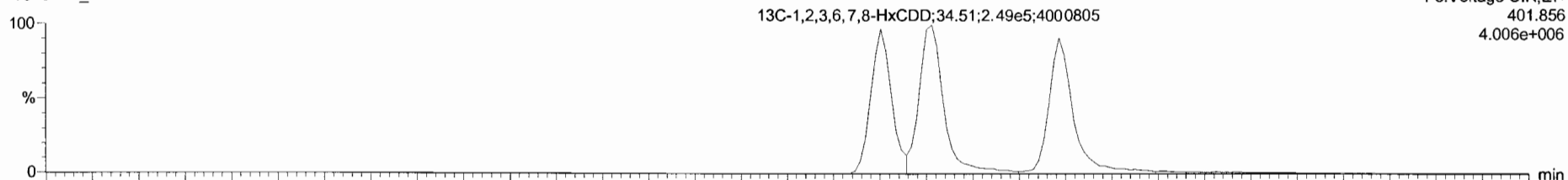


190507K1_4

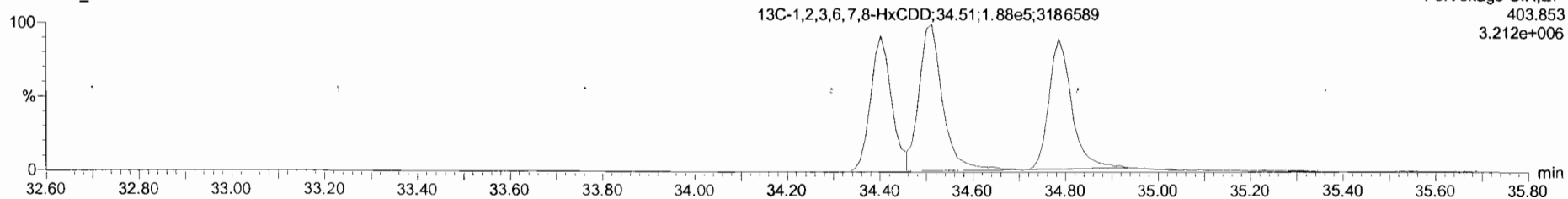


13C-1,2,3,4,7,8-HxCDD

190507K1_4



190507K1_4

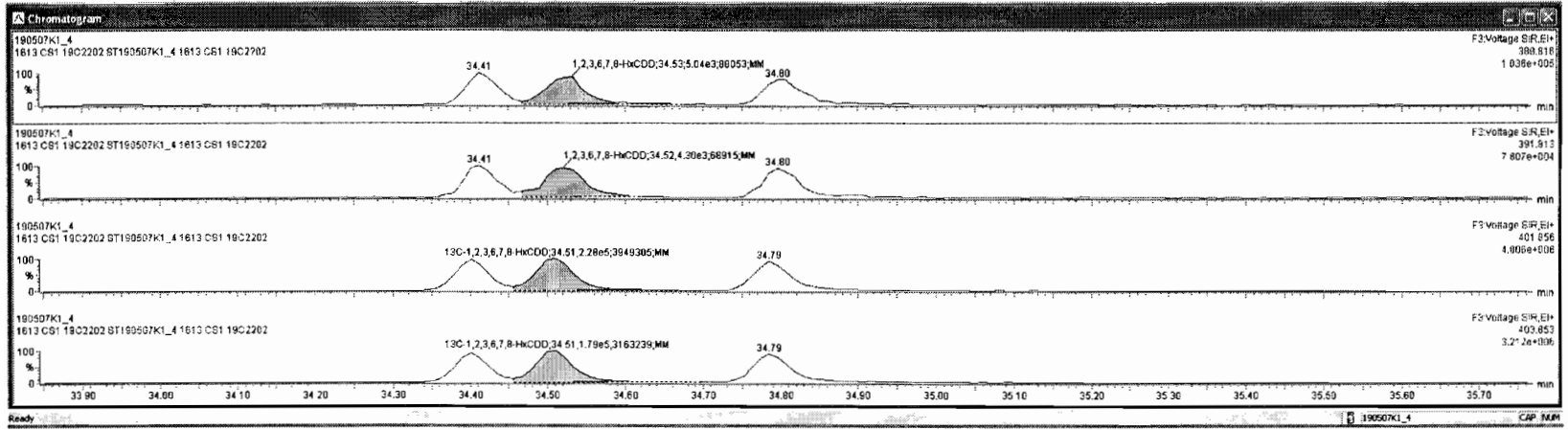


Targpt1.ynr 190507K1_CRY.qtd

File Edit View Display Processing Window Help

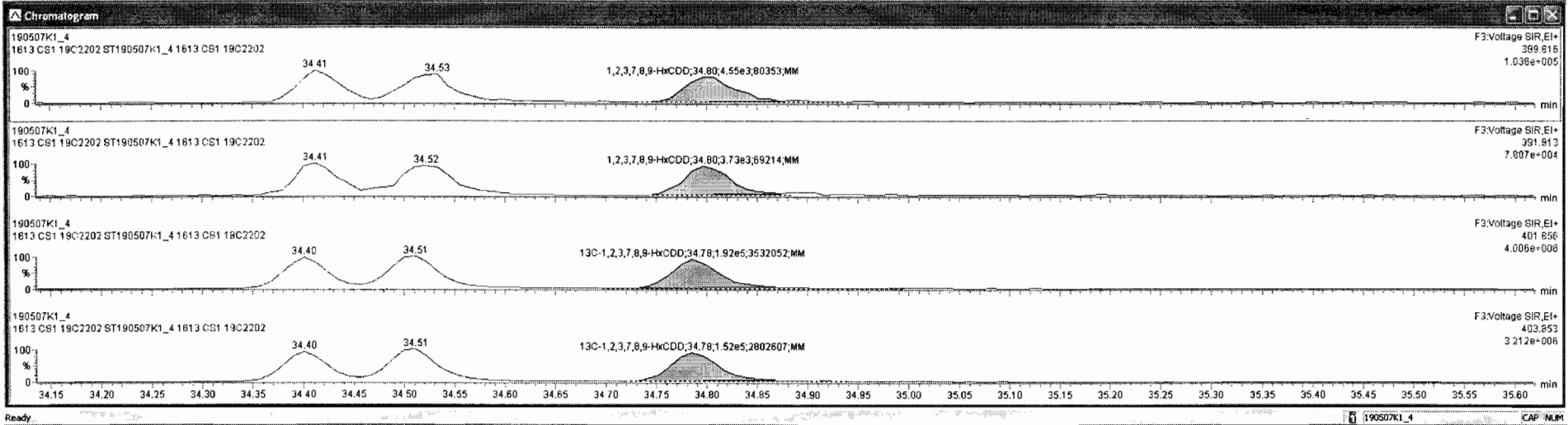
190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

#	Name	Resp	RA	rv	FWF	wt-wt	RT	RRT	Conv.	%Wgt	DC	EWPC
1	1,2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.38	1.001	0.513	100	0.8603	9.514
2	1,2,3,7,8-PeCDF	1.07e4	0.57	NO	0.80	1.000	37.14	1.001	2.54	102	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4	1,2,3,6,7,8-HxCDD	9.39e3	1.17	NO	0.97	1.000	34.53	1.001	2.27	94.8	0.107	2.27
5	1,2,3,7,8-HxCDF	8.29e3	1.22	NO	0.97	1.000	34.60	1.000	2.48	99.1	0.119	2.48
6	1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7	OCDD	1.13e4	0.95	NO	0.87	1.000	41.46	1.000	4.97	96.5	0.150	4.97
8	2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.87	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10	2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.66	1.001	2.50	100	0.0598	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.39	96.1	0.0897	2.39
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13	2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0848	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.43	98.9	0.138	2.42
15	1,2,3,4,6,7,8-HpCDF	1.17e4	1.03	NO	1.13	1.000	36.51	1.000	2.44	97.8	0.119	2.44
16	1,2,3,4,7,8,9-HpCDF	8.26e3	1.04	NO	1.26	1.000	38.86	1.000	2.29	91.4	0.141	2.28
17	OCDF	1.59e4	0.88	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18	13C-2,3,7,8-TCDD	8.84e5	0.78	NO	1.05	1.000	26.33	1.025	100	100	0.249	
19	13C-1,2,3,7,8-PeCDD	4.85e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7	0.418	
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.26	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



190507k1_4 - ST190507k1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

None	Resp	RA	Inv	RRF	WtVal	RT	RRT	Conc	%Rec	DL	EMPC	
1	2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2	1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4	1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5	1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.49	99.1	0.119	2.48
6	1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7	OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8	2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10	2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13	2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15	1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	38.91	1.000	2.44	97.6	0.119	2.44
16	1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17	OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18	13C-2,3,7,8-TCDD	6.84e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19	13C-1,2,3,7,8-PeCDD	4.85e5	0.84	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.85	1.000	34.40	1.014	96.7	96.7	0.418	
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.26	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.86	1.000	34.78	1.025	92.7	92.7	0.407	
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



Dataset: Untitled

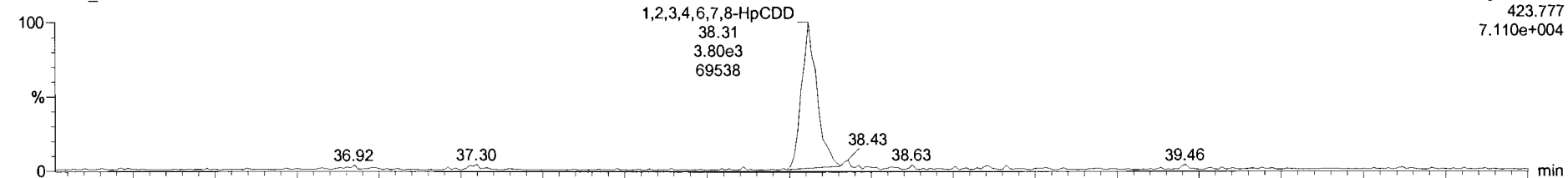
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

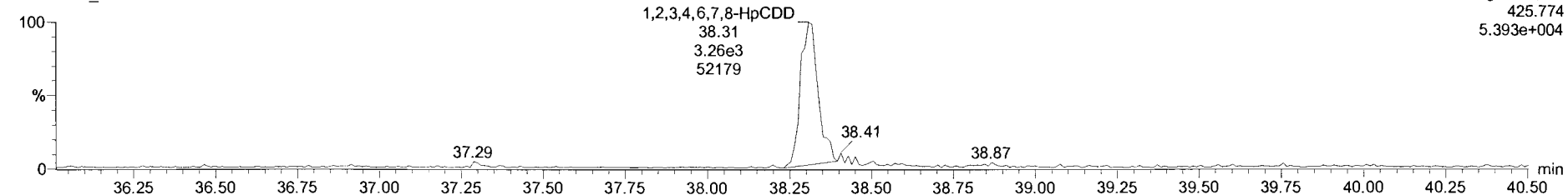
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

1,2,3,4,6,7,8-HpCDD

190507K1_4

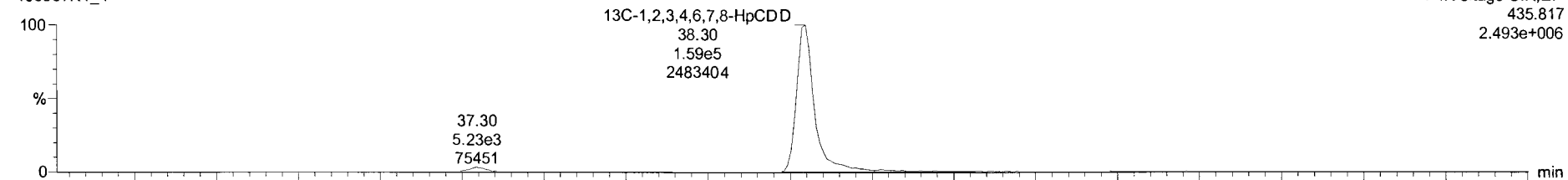


190507K1_4

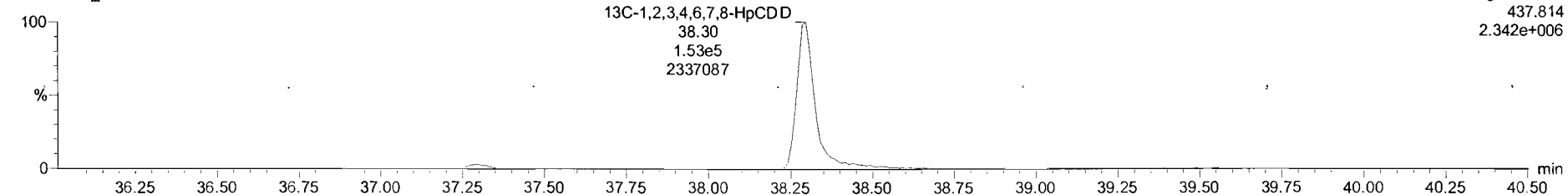


13C-1,2,3,4,6,7,8-HpCDD

190507K1_4



190507K1_4

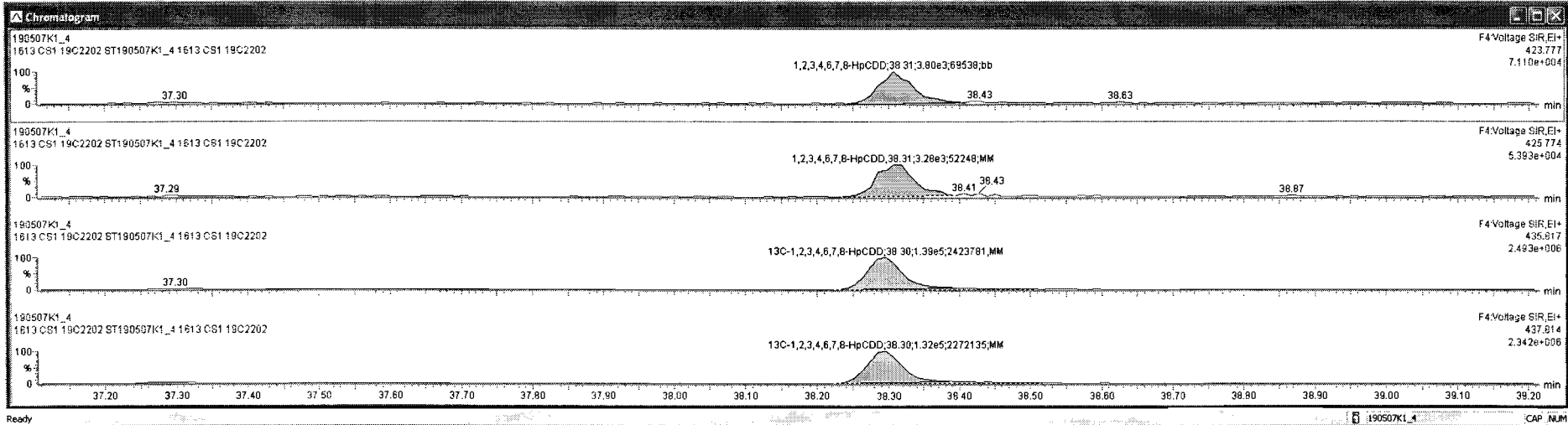


TargetLynx 190507K1.CRV.qld

File Edit View Display Processing Window Help

190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

Peak	Name	Resp	RA	dy	RF	w/Mol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2	1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.003	34.41	1.000	3.32	92.6	0.0980	2.32
4	1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5	1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6	1,2,3,4,6,7,8-HpCDD	7.09e3	1.16	NO	1.03	1.000	38.31	1.000	2.56	102	0.102	2.56
7	OCDD	1.13e4	0.85	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8	2,3,7,8-TCDF	4.05e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10	2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13	2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15	1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16	1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17	OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18	13C-2,3,7,8-TCDD	6.64e5	0.78	NO	1.05	1.000	26.33	1.026	100	100		249
19	13C-1,2,3,7,8-PeCDD	4.85e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1		331
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.85	1.000	34.40	1.014	96.7	96.7		418
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	83.6	93.8		348
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.68	1.000	34.78	1.025	92.7	92.7		407
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5		511

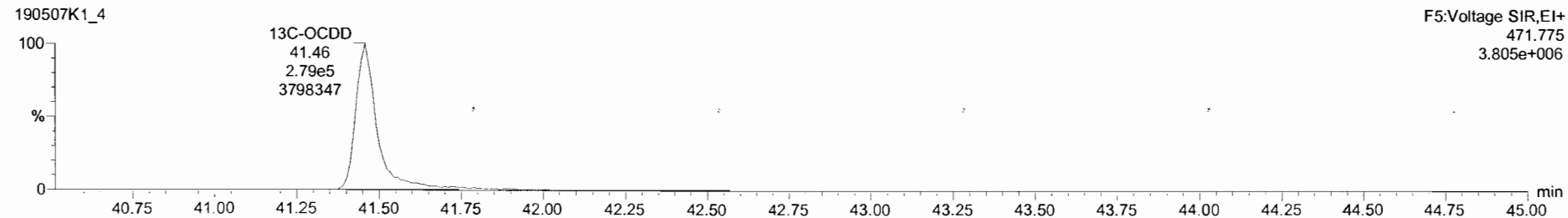
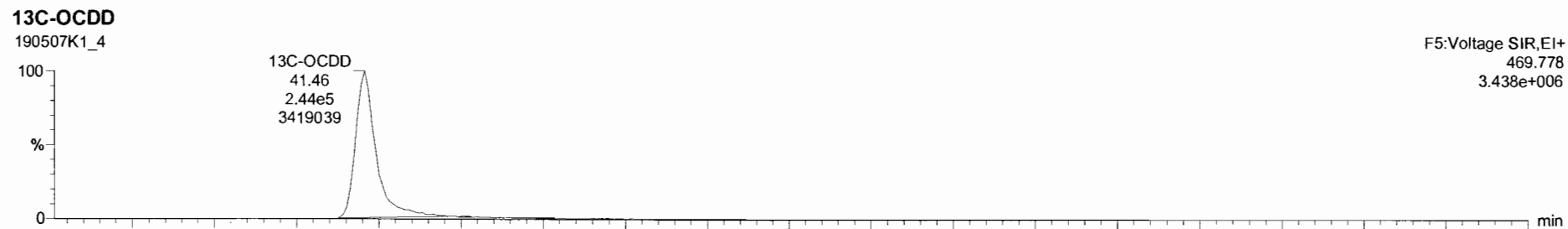
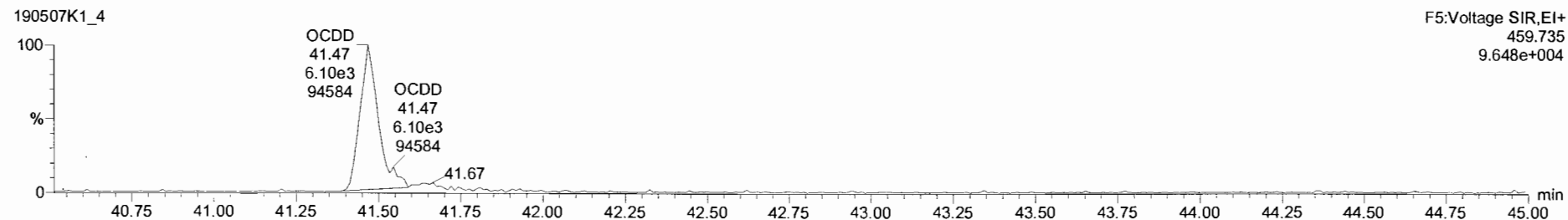
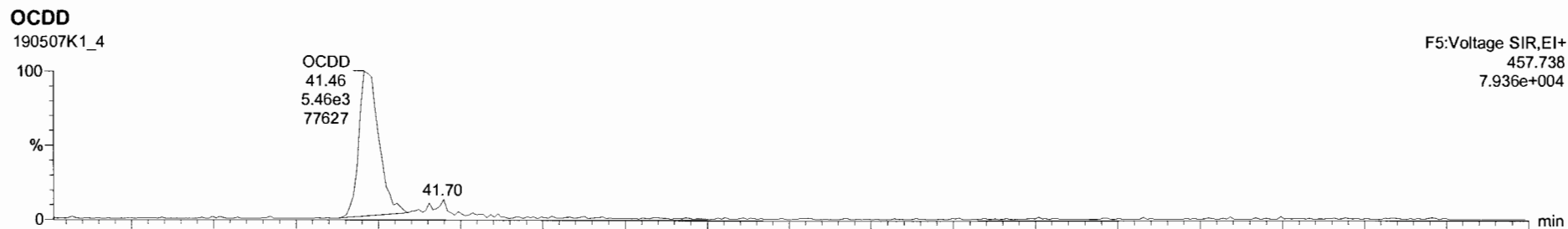


Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

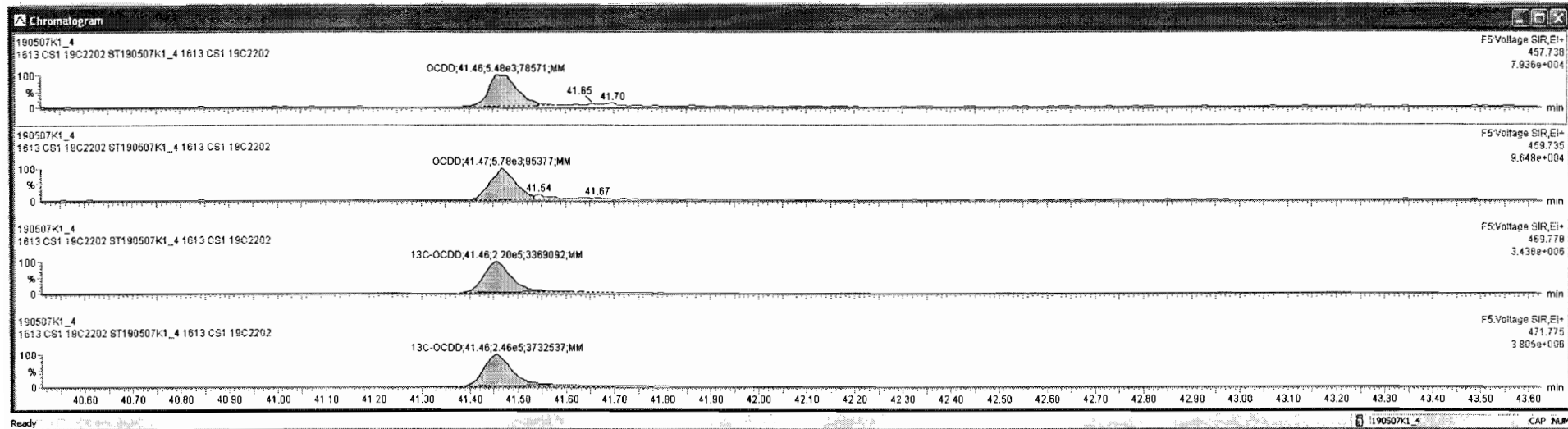


Target: ynx - 190507K1-CRW.gld

File Edit View Display Processing Window Help

190507K1_4-ST190507K1_4 1613 CS1 19C2202- 1613 CS1 19C2202

Name	Resp	RA	ny	RRF	retVal	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2 1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3 1,2,3,4,7,8-HxCDD	6.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4 1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5 1,2,3,7,8,9-HxCDD	8.29e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6 1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7 OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8 2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.462	96.4	0.0452	0.462
9 1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10 2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11 1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12 1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.88	1.001	2.34	93.4	0.0875	2.34
13 2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14 1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.16	1.000	2.42	96.9	0.139	2.42
15 1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16 1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	36.86	1.000	2.28	91.4	0.141	2.28
17 OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18 13C-2,3,7,8-TCDD	6.64e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19 13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20 13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.85	1.000	34.40	1.014	96.7	96.7	0.418	
21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.86	1.000	34.78	1.025	92.7	92.7	0.407	
23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.08	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



Dataset: Untitled

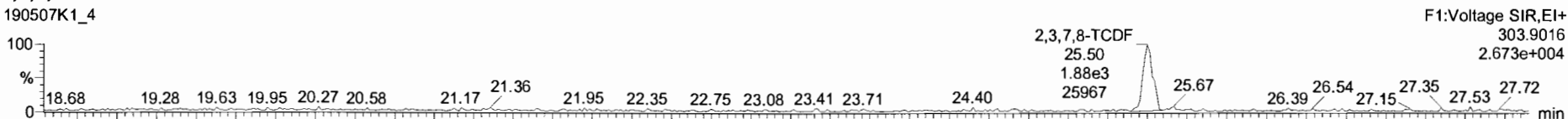
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

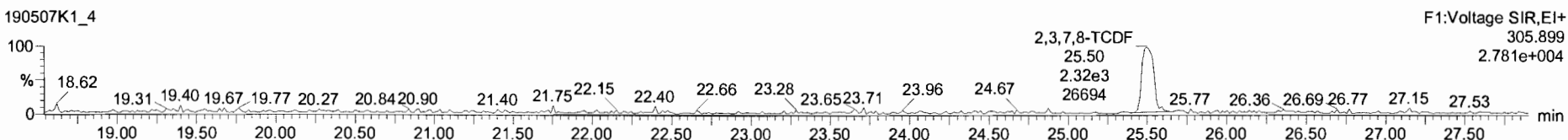
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

2,3,7,8-TCDF

190507K1_4

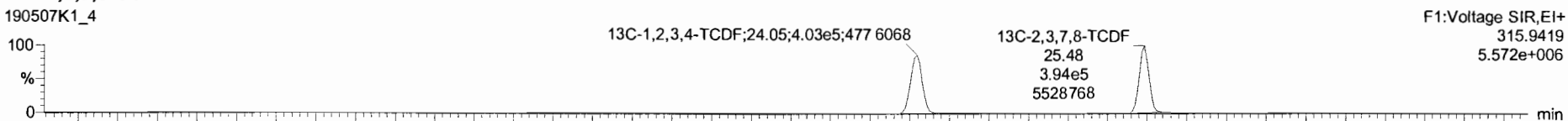


190507K1_4

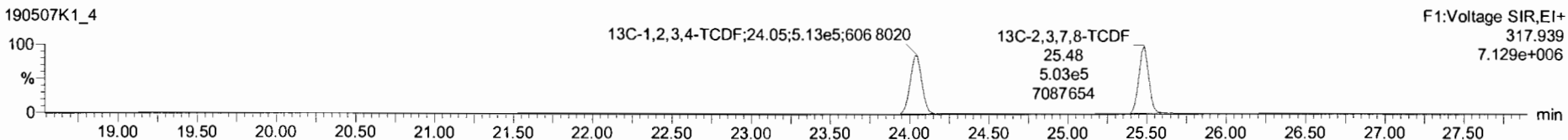


13C-2,3,7,8-TCDF

190507K1_4

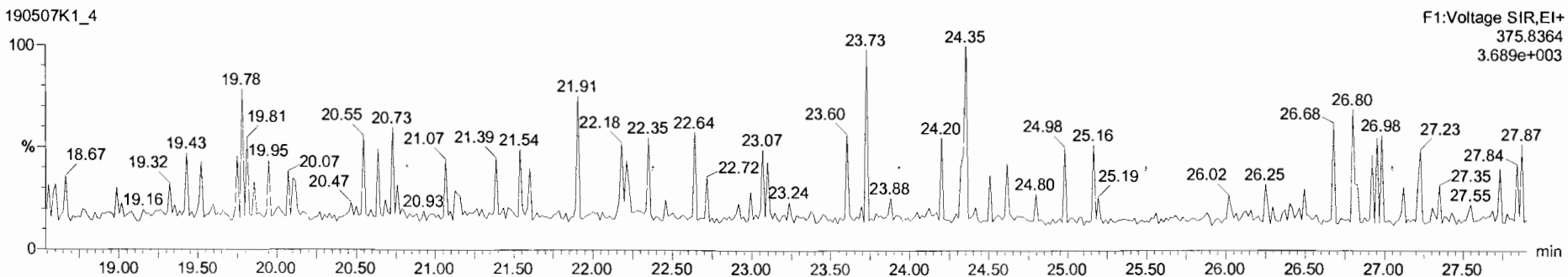


190507K1_4

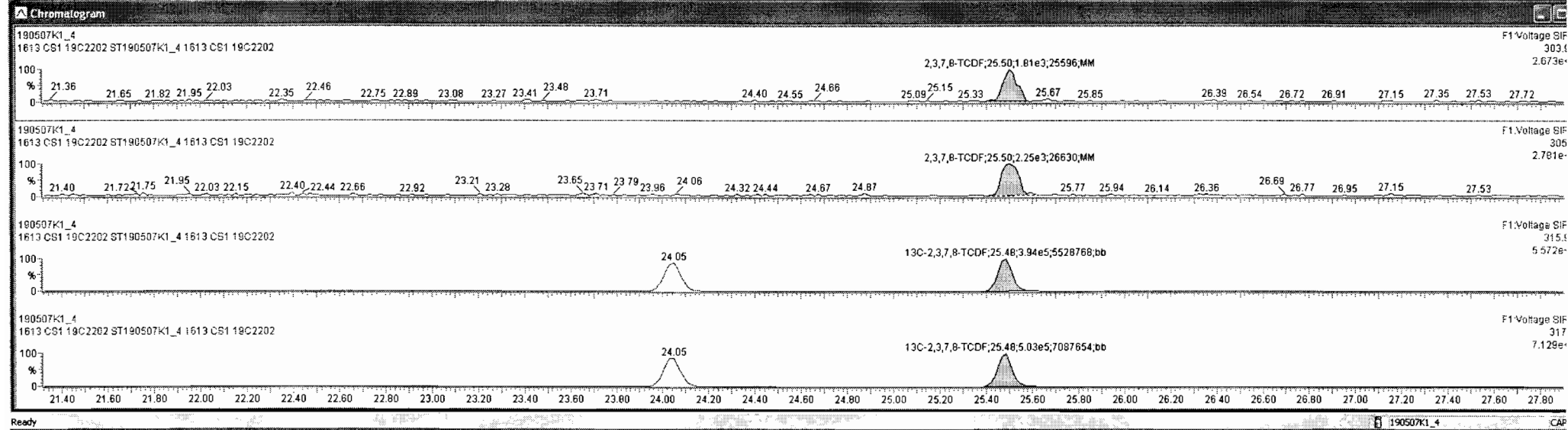


DPE1

190507K1_4



Name	Resp	RA	nY	RRF	wt/mol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0903	0.514
2 1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3 1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0980	2.32
4 1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5 1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.46	99.1	0.118	2.46
6 1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7 OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8 2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9 1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10 2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11 1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12 1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13 2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.16	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14 1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15 1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16 1,2,3,4,7,8,9-HpCDF	8.38e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17 OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18 13C-2,3,7,8-TCDD	6.84e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19 13C-1,2,3,7,8-PeCDD	4.85e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20 13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7	0.418	
21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



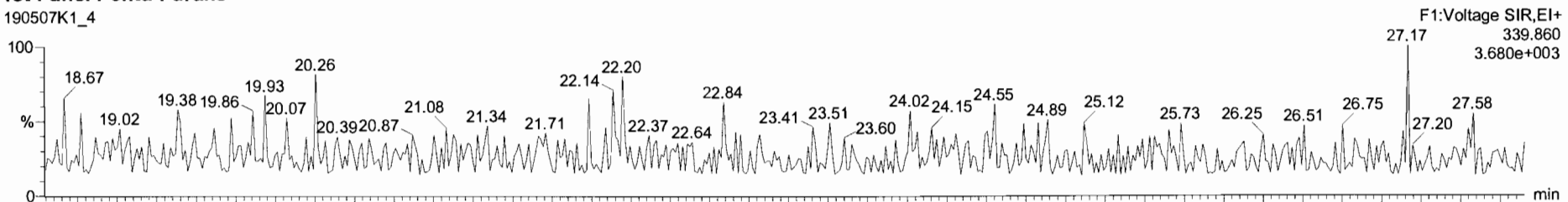
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

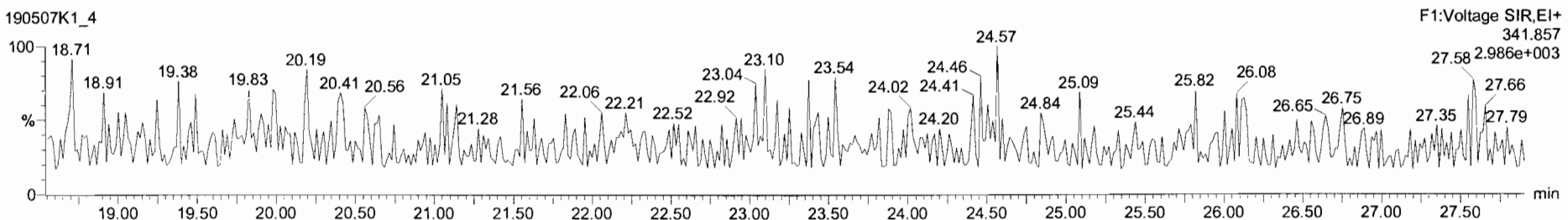
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

1st Func. Penta-Furans

190507K1_4

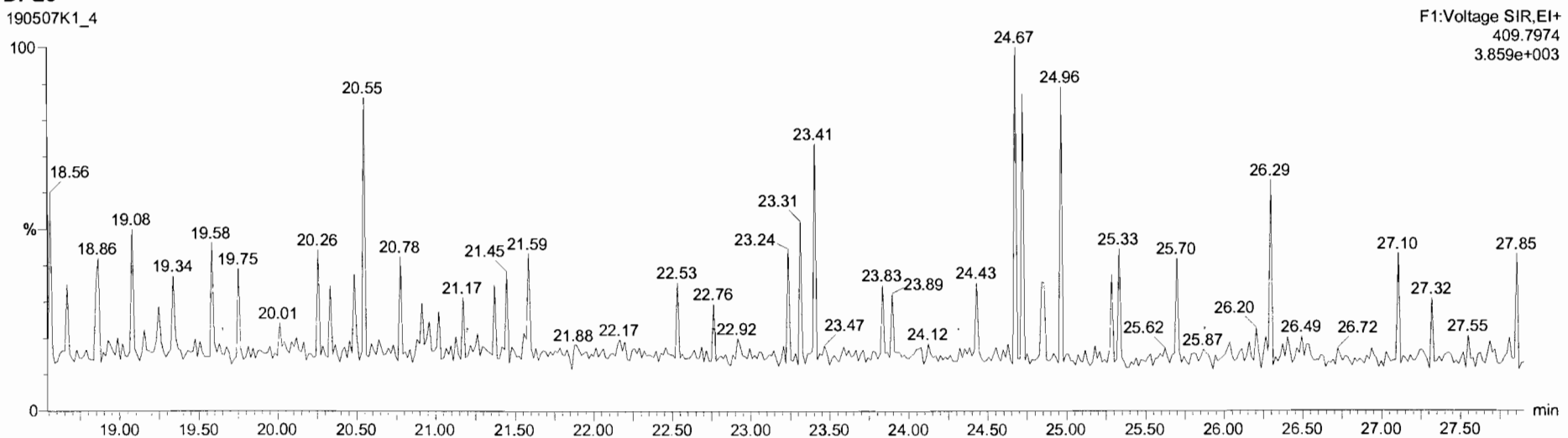


190507K1_4



DPE6

190507K1_4



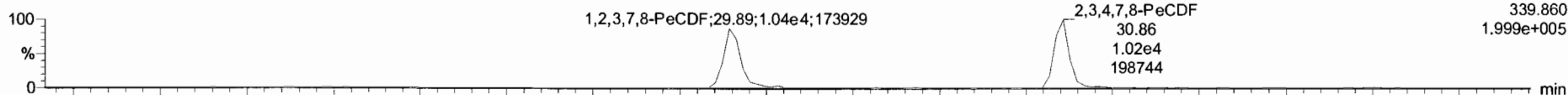
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

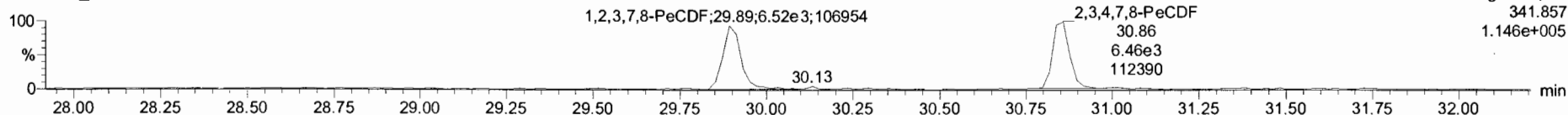
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

1,2,3,7,8-PeCDF

190507K1_4

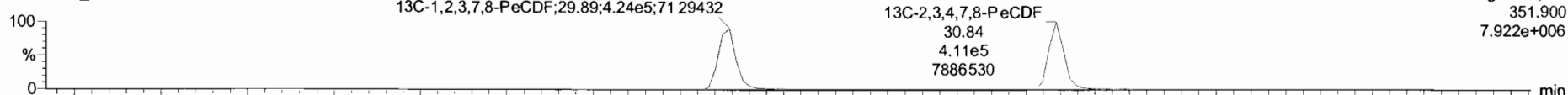


190507K1_4

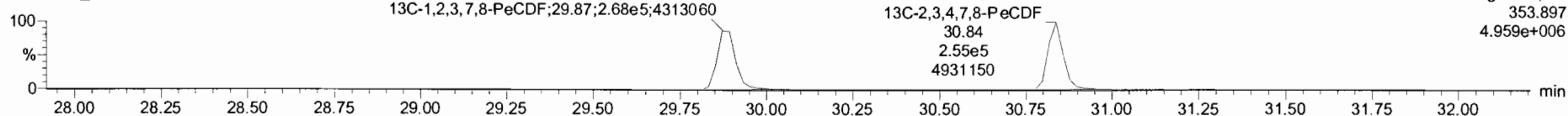


13C-1,2,3,7,8-PeCDF

190507K1_4

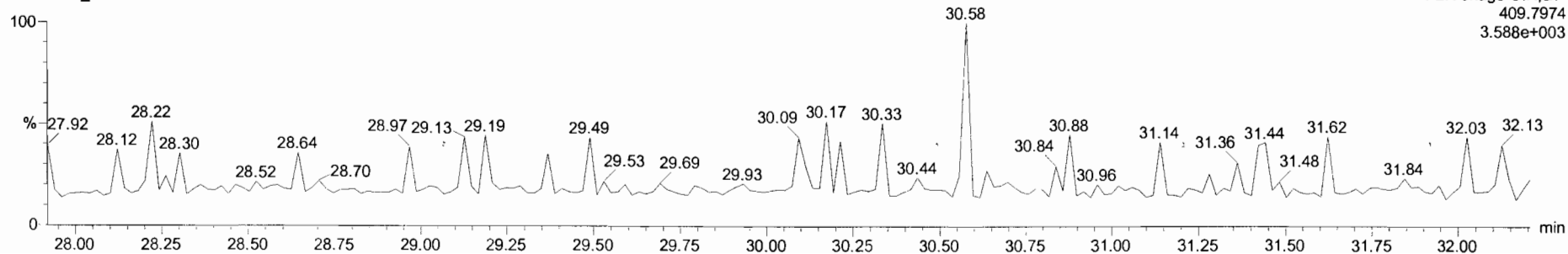


190507K1_4



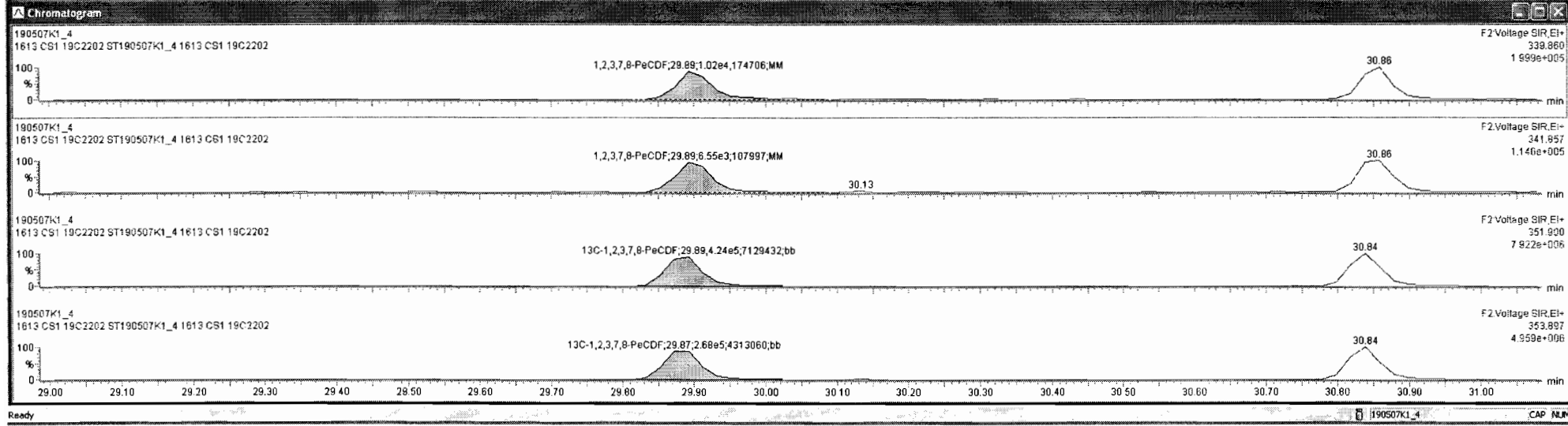
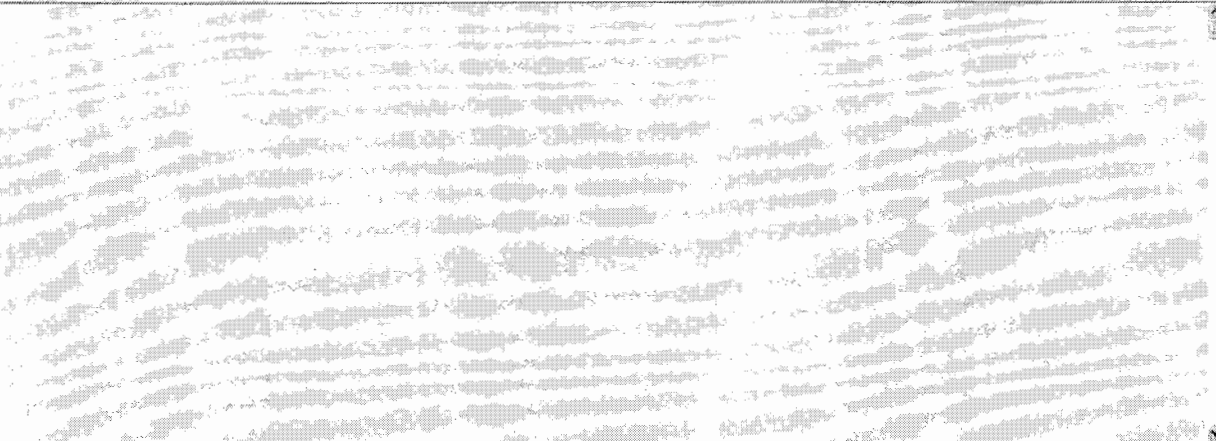
DPE2

190507K1_4



190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

Name	Resp	RA	n/y	RRF	wi/wi	RT	RRT	Conc	%Rec	DL	EMCC
1 2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2 1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3 1,2,3,4,7,8-HxCDD	8.85e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4 1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5 1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6 1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7 OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8 2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9 1,2,3,7,8-PeCDF	1.87e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	98.3	0.0877	2.48
10 2,3,4,7,8-PeCDF	1.87e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11 1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12 1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13 2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0548	2.43
14 1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15 1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16 1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17 OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18 13C-2,3,7,8-TCDD	6.84e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19 13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20 13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7	0.418	
21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.8	93.8	0.348	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



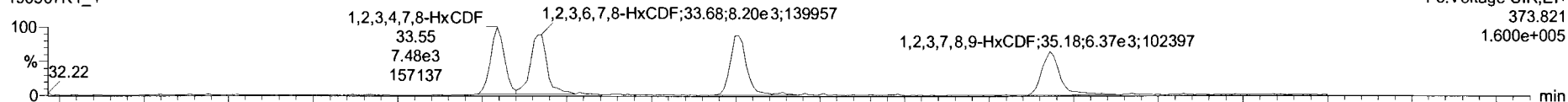
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

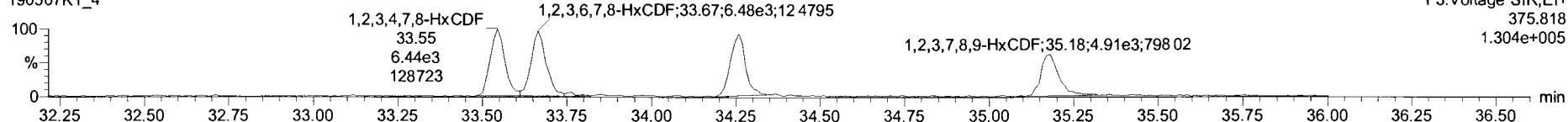
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

1,2,3,4,7,8-HxCDF

190507K1_4

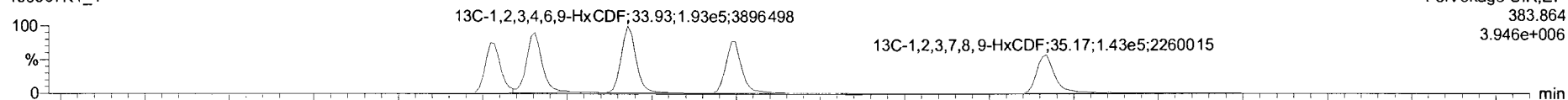


190507K1_4

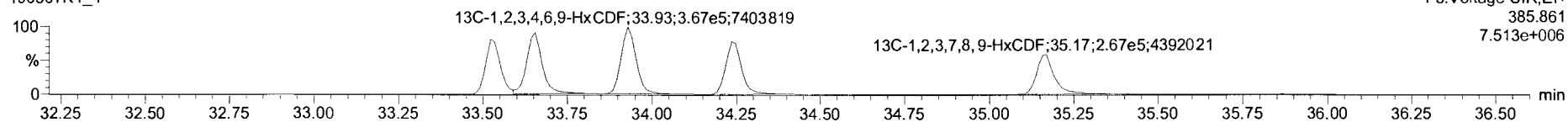


13C-1,2,3,4,7,8-HxCDF

190507K1_4

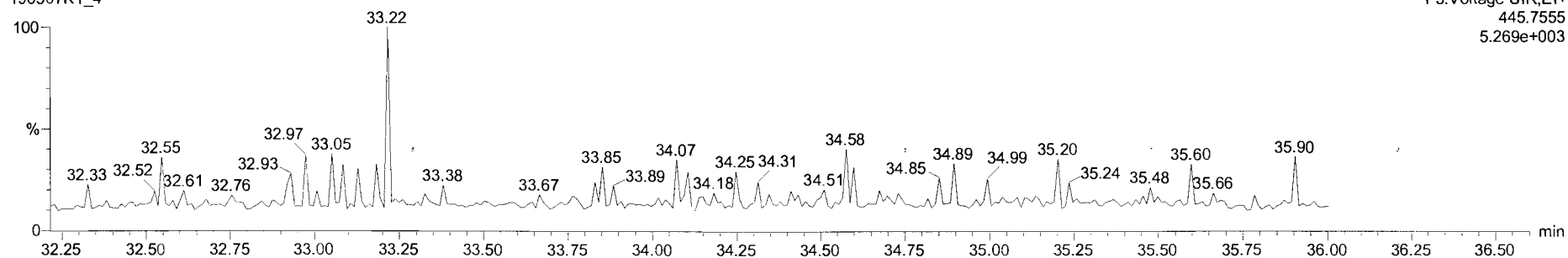


190507K1_4



DPE3

190507K1_4

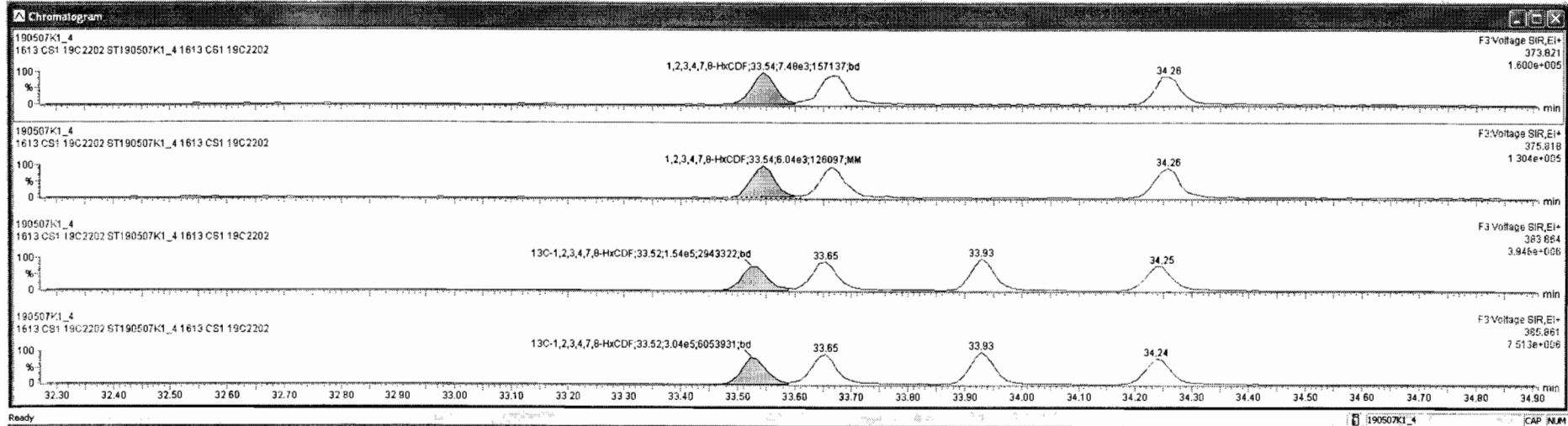


Target1.ynx - 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

KL	Name	Resp	RA	Hy	RHF	WtVol	RT	RRT	Conc	%Rec	DL	EMPG
1	2,3,7,8-TCDD	315e3	0.80	NO	0.92	1.000	26.26	1.001	0.513	103	0.0603	0.514
2	1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4	1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5	1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6	1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7	OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8	2,3,7,8-TCDF	4.08e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10	1,2,3,4,7,8-HxCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13	1,2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15	1,2,3,4,6,7,8-HxCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16	1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17	OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18	13C-2,3,7,8-TCDD	6.64e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19	13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7	0.418	
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	

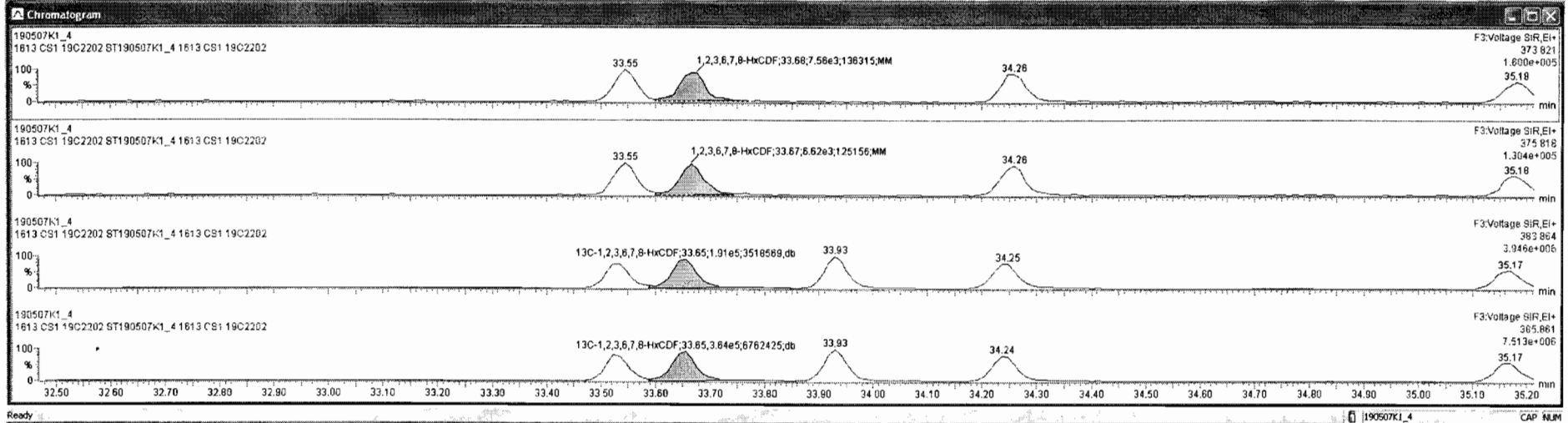


Target.ynx - 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_4-ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

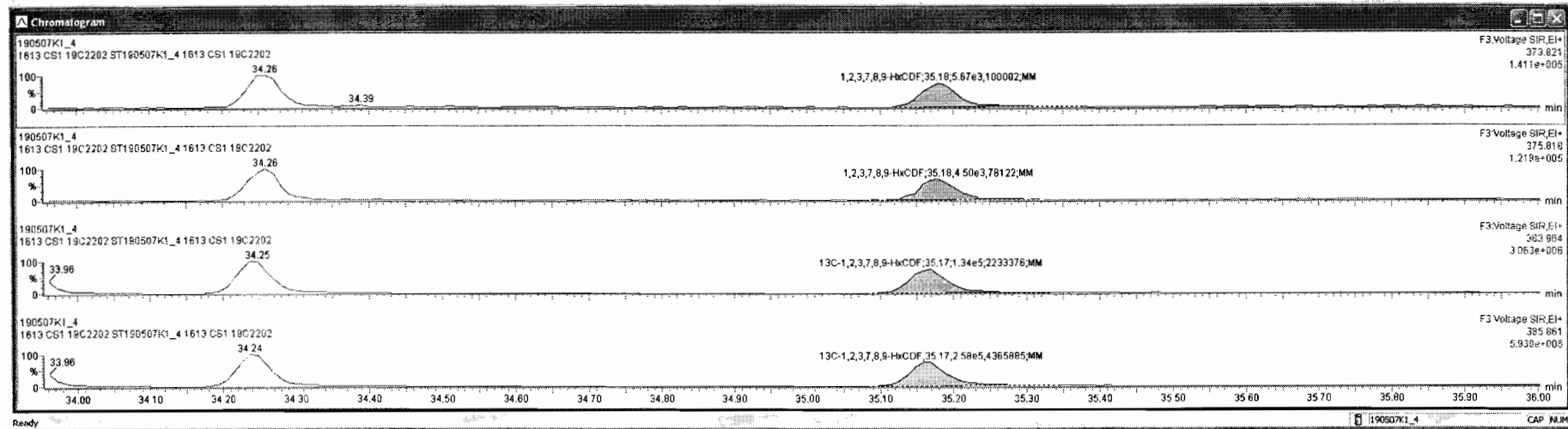
#	Name	Resp	RA	INVI	RPF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2	1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4	1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5	1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6	1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7	OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8	2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10	2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.03	1.000	33.68	1.001	2.34	93.4	0.0975	2.34
13	2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15	1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16	1,2,3,4,7,8,9-HxCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17	OCDF	1.58e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18	13C-2,3,7,8-TCDD	6.84e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19	13C-1,2,3,7,8-PeCDD	4.85e5	0.84	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.85	1.000	34.40	1.014	96.7	96.7	0.418	
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	36.30	1.129	89.5	89.5	0.511	



TargetLynx - 190507K1_CRY.gld
 File Edit View Display Processing Window Help

190507K1_4 # ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

Num	Name	Resp	RA	nW	RRF	WtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	28.38	1.001	0.513	100	0.0603	0.514
2	1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	100	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4	1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5	1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6	1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	100	0.102	2.55
7	OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	98.5	0.150	4.97
8	2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0877	2.48
10	2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.85	1.001	2.50	100	0.0598	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13	2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.16	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.25	NO	1.07	1.000	35.19	1.000	2.42	96.8	0.139	2.42
15	1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.8	0.119	2.44
16	1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.85	1.000	2.28	91.4	0.141	2.28
17	OCDF	1.58e4	0.88	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18	13C-2,3,7,8-TCDD	6.84e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19	13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.85	1.000	34.40	1.014	96.7	96.7	0.418	
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.86	1.000	34.78	1.025	92.7	92.7	0.407	
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



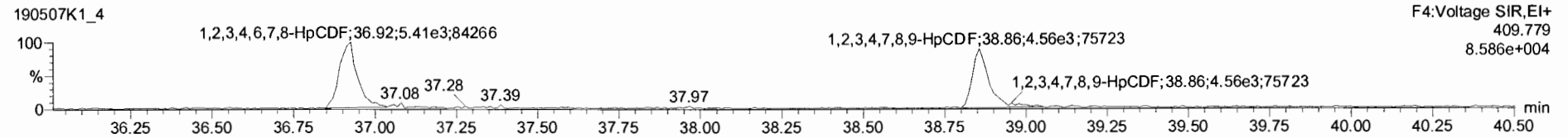
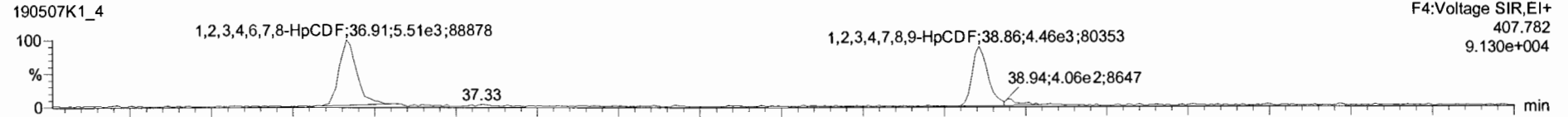
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

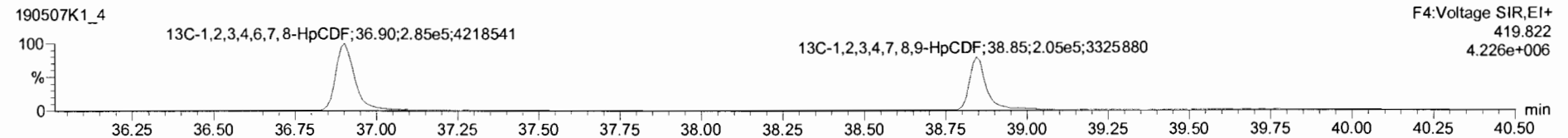
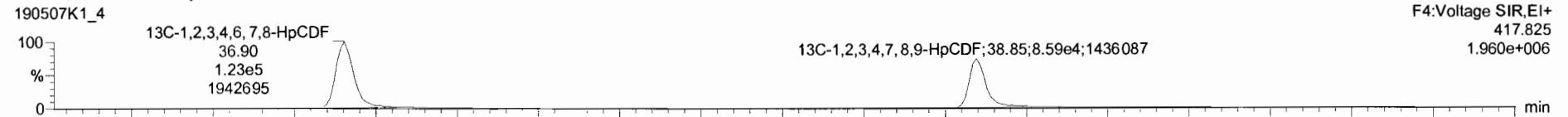
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

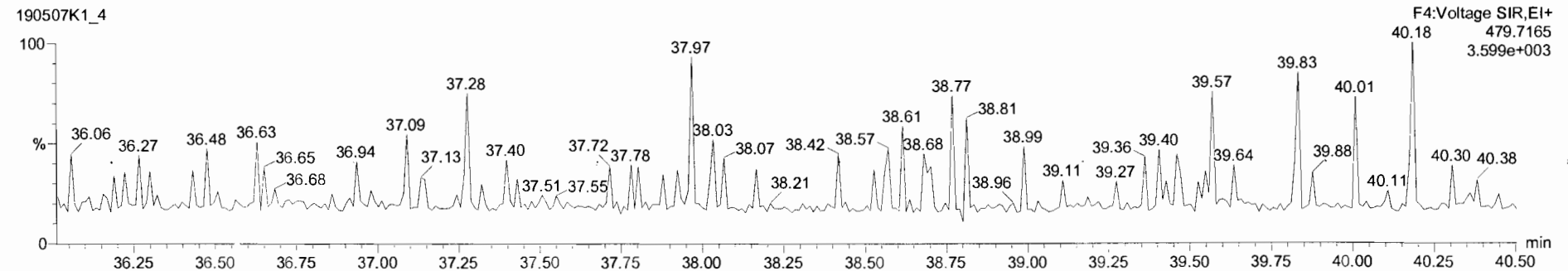
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



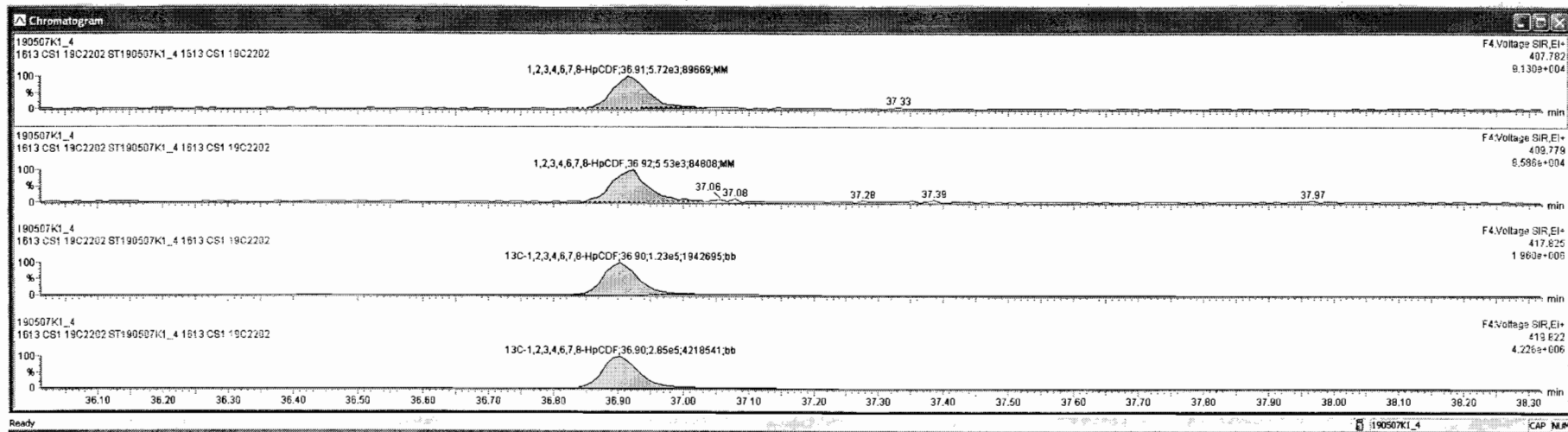
DPE4



Target: ynx - 190507K1_CRV.gld
 File Edit View Display Processing Window Help

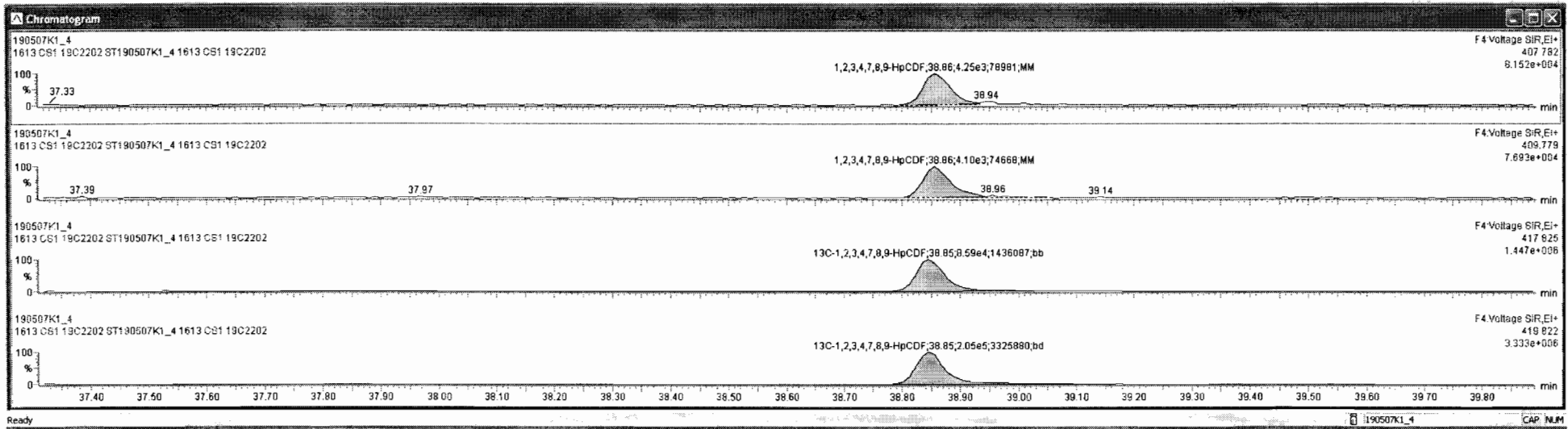
190507K1_4 - ST190507K1_4_1613 CS1 19C2202 - 1613 CS1 19C2202

Name	Resp	RA	NY	RRR	WAVG	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2 1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3 1,2,3,4,7,8-HxCDD	8.55e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0890	2.32
4 1,2,3,6,7,8-HxCDD	8.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5 1,2,3,7,8,9-HxCDD	8.26e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6 1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7 OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8 2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9 1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10 2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11 1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.36	95.1	0.0897	2.36
12 1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13 2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14 1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15 1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16 1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17 OCDF	1.59e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18 13C-2,3,7,8-TCDD	6.54e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19 13C-1,2,3,7,8-PeCDD	4.85e5	0.84	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20 13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7	0.418	
21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.78	1.025	92.7	92.7	0.407	
23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

Name	Resp	RA	nY	RRF	wtArd	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2 1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3 1,2,3,4,7,8-HxCDD	6.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0690	2.32
4 1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5 1,2,3,7,8,9-HxCDD	8.29e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6 1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7 OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8 2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9 1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	99.3	0.0677	2.48
10 2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0598	2.50
11 1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.38	95.1	0.0897	2.38
12 1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13 2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14 1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15 1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16 1,2,3,4,7,8,9-HpCDF	8.39e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17 OCDF	1.59e4	0.89	NO	1.10	1.000	41.70	1.000	4.54	90.8	0.195	4.54
18 13C-2,3,7,8-TCDD	6.64e5	0.78	NO	1.05	1.000	26.33	1.026	100	100		
19 13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1		
20 13C-1,2,3,4,7,8-HxCDD	3.48e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7		
21 13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6		
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.28	NO	0.66	1.000	34.78	1.025	92.7	92.7		
23 13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5		



Dataset: Untitled

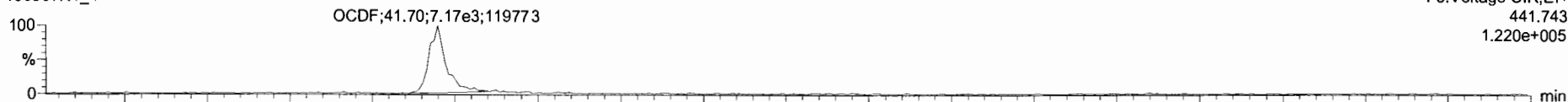
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

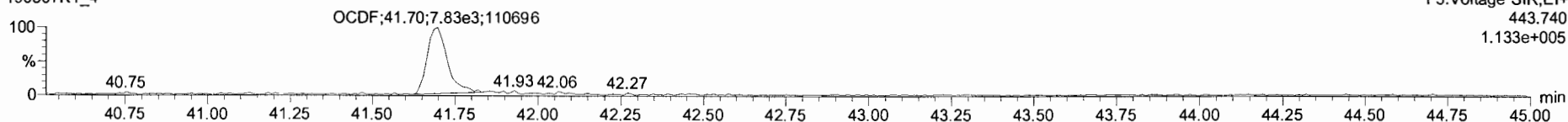
Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

OCDF

190507K1_4

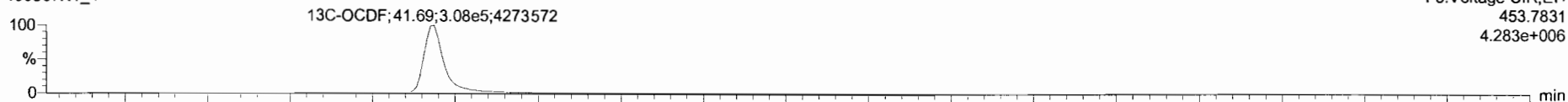


190507K1_4

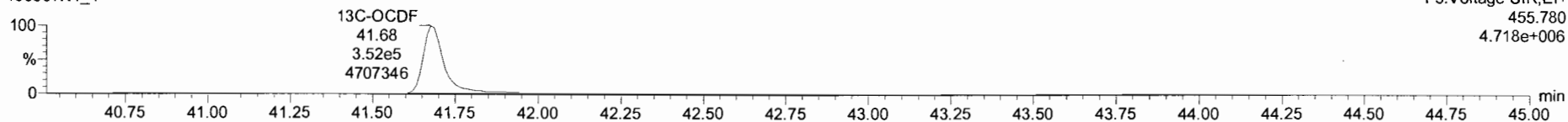


13C-OCDF

190507K1_4

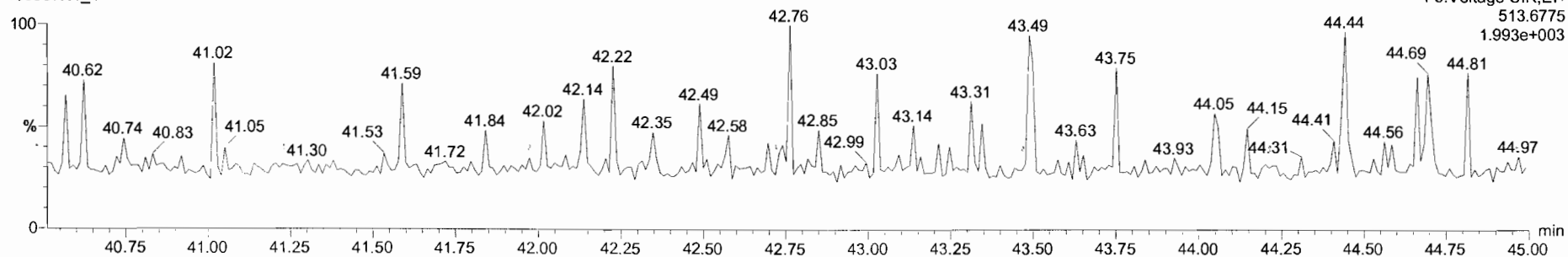


190507K1_4



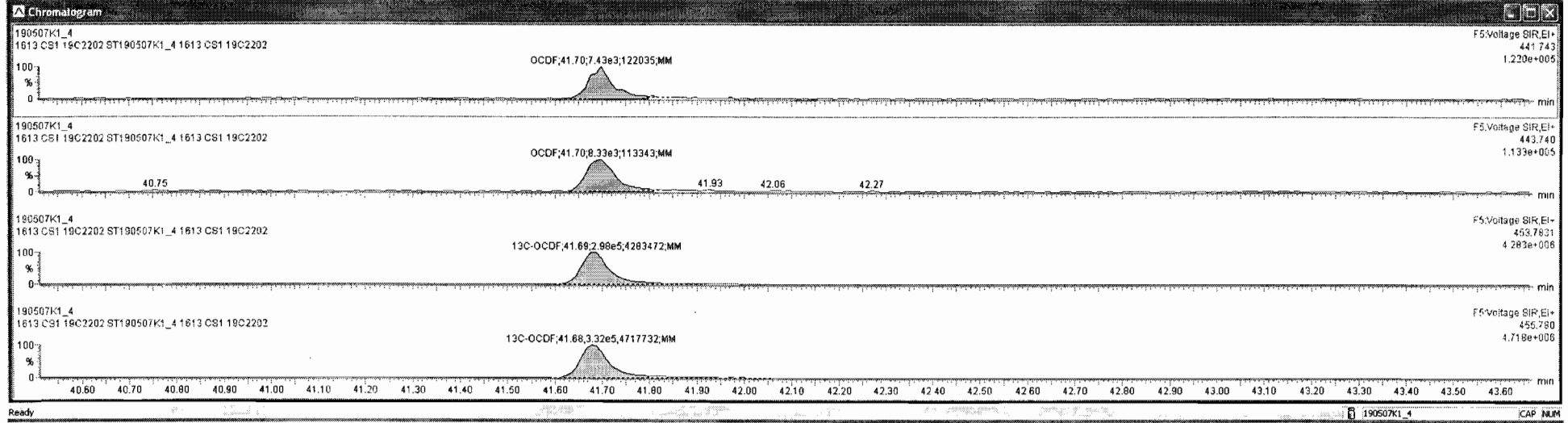
DPE5

190507K1_4



190507K1_4 - ST190507K1_4 1613 CS1 19C2202 - 1613 CS1 19C2202

Item	Name	Resp	RA	nHy	RRF	WtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	3.15e3	0.80	NO	0.92	1.000	26.36	1.001	0.513	103	0.0603	0.514
2	1,2,3,7,8-PeCDD	1.07e4	0.57	NO	0.90	1.000	31.14	1.001	2.54	102	0.0752	2.54
3	1,2,3,4,7,8-HxCDD	8.65e3	1.25	NO	1.07	1.000	34.41	1.000	2.32	92.6	0.0990	2.32
4	1,2,3,6,7,8-HxCDD	9.34e3	1.17	NO	0.97	1.000	34.53	1.001	2.37	94.9	0.107	2.37
5	1,2,3,7,8,9-HxCDD	8.28e3	1.22	NO	0.97	1.000	34.80	1.000	2.48	99.1	0.118	2.48
6	1,2,3,4,6,7,8-HpCDD	7.08e3	1.16	NO	1.03	1.000	38.31	1.000	2.55	102	0.102	2.55
7	OCDD	1.13e4	0.95	NO	0.97	1.000	41.46	1.000	4.97	99.5	0.150	4.97
8	2,3,7,8-TCDF	4.06e3	0.80	NO	0.94	1.000	25.50	1.001	0.482	96.4	0.0452	0.482
9	1,2,3,7,8-PeCDF	1.67e4	1.55	NO	0.97	1.000	29.89	1.000	2.48	98.3	0.0677	2.48
10	2,3,4,7,8-PeCDF	1.67e4	1.59	NO	1.00	1.000	30.86	1.001	2.50	100	0.0596	2.50
11	1,2,3,4,7,8-HxCDF	1.35e4	1.24	NO	1.24	1.000	33.54	1.001	2.36	95.1	0.0897	2.36
12	1,2,3,6,7,8-HxCDF	1.42e4	1.14	NO	1.09	1.000	33.68	1.001	2.34	93.4	0.0875	2.34
13	2,3,4,6,7,8-HxCDF	1.40e4	1.27	NO	1.18	1.000	34.26	1.000	2.43	97.3	0.0946	2.43
14	1,2,3,7,8,9-HxCDF	1.02e4	1.26	NO	1.07	1.000	35.18	1.000	2.42	96.9	0.139	2.42
15	1,2,3,4,6,7,8-HpCDF	1.12e4	1.03	NO	1.13	1.000	36.91	1.000	2.44	97.6	0.119	2.44
16	1,2,3,4,7,8,9-HpCDF	8.36e3	1.04	NO	1.26	1.000	38.86	1.000	2.28	91.4	0.141	2.28
17	OCDF	1.56e4	0.88	NO	1.10	1.000	41.70	1.000	4.54	90.6	0.195	4.54
18	13C-2,3,7,8-TCDD	6.64e5	0.78	NO	1.05	1.000	26.33	1.026	100	100	0.249	
19	13C-1,2,3,7,8-PeCDD	4.65e5	0.64	NO	0.74	1.000	31.12	1.212	99.1	99.1	0.331	
20	13C-1,2,3,4,7,8-HxCDD	3.49e5	1.31	NO	0.65	1.000	34.40	1.014	96.7	96.7	0.418	
21	13C-1,2,3,6,7,8-HxCDD	4.07e5	1.28	NO	0.78	1.000	34.51	1.017	93.6	93.6	0.348	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.26	NO	0.66	1.000	34.79	1.025	92.7	92.7	0.407	
23	13C-1,2,3,4,6,7,8-HpCDD	2.70e5	1.06	NO	0.54	1.000	38.30	1.129	89.5	89.5	0.511	



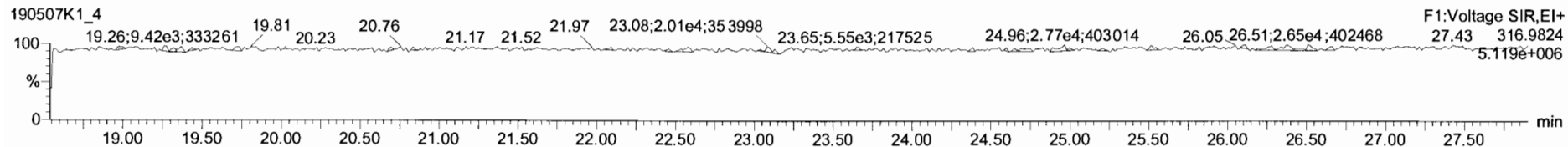
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

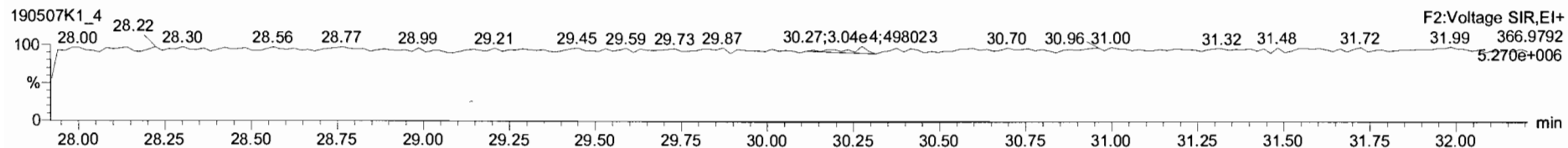
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_4, Date: 07-May-2019, Time: 13:04:59, ID: ST190507K1_4 1613 CS1 19C2202, Description: 1613 CS1 19C2202

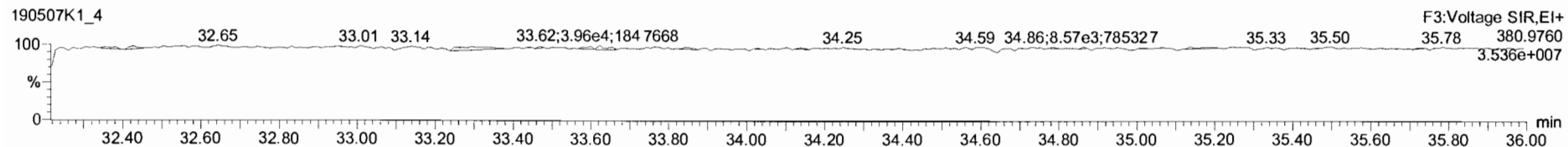
PFK1



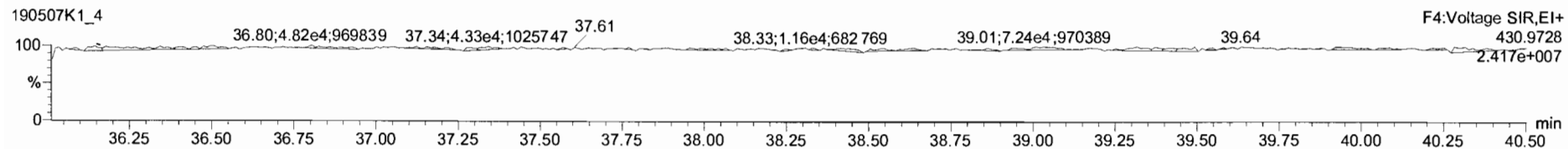
PFK2



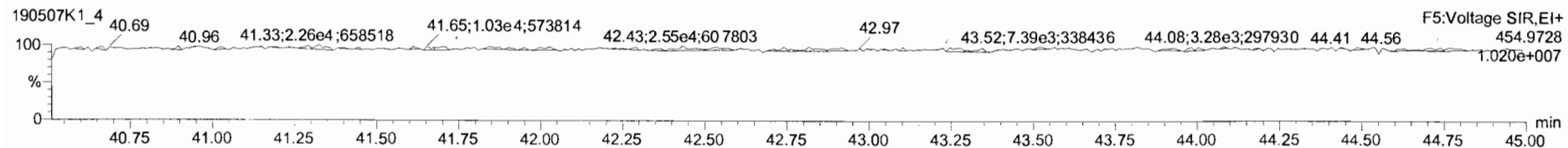
PFK3



PFK4



PFK5



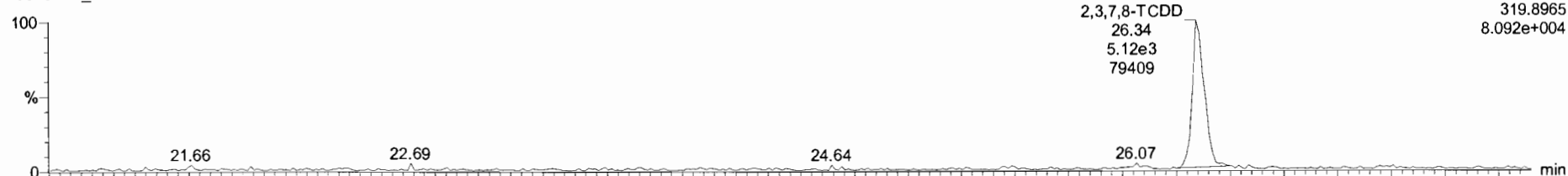
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

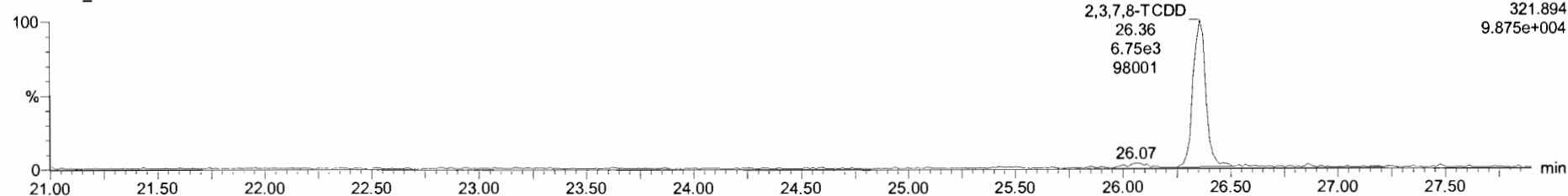
2,3,7,8-TCDD

190507K1_5



F1:Voltage SIR,EI+
319.8965
8.092e+004

190507K1_5



F1:Voltage SIR,EI+
321.894
9.875e+004

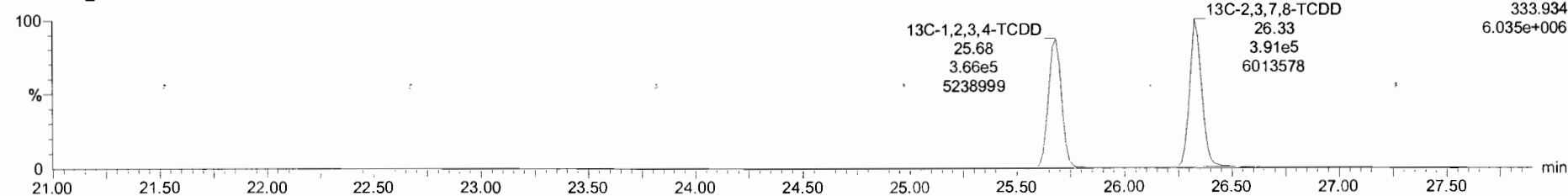
13C-2,3,7,8-TCDD

190507K1_5



F1:Voltage SIR,EI+
331.9368
4.700e+006

190507K1_5



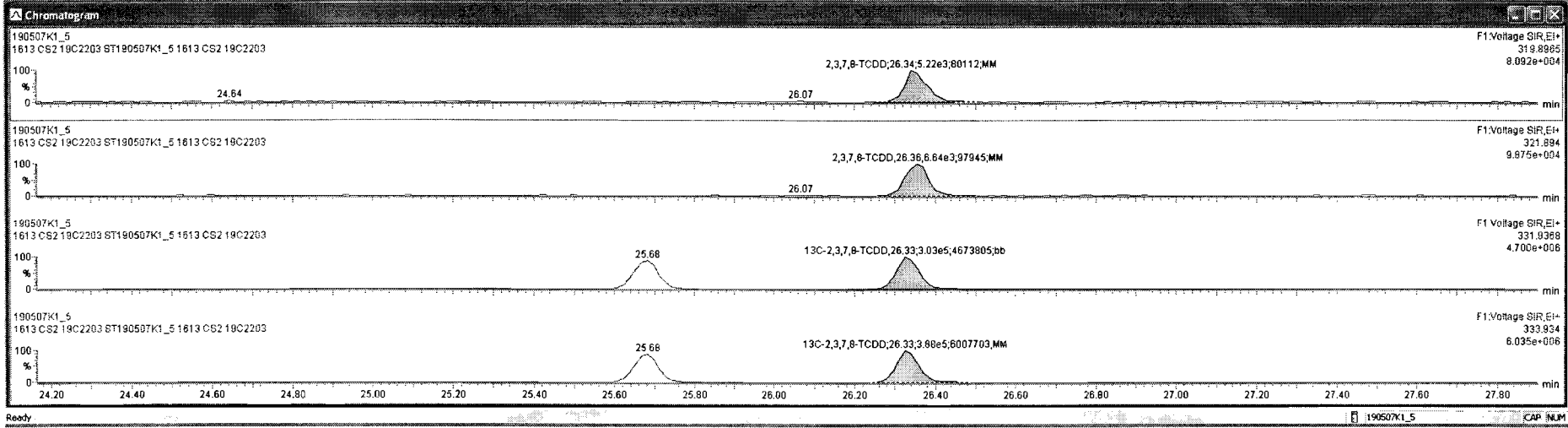
F1:Voltage SIR,EI+
333.934
6.035e+006

Targetlynx 190507K1_CRY.qtd

File Edit View Display Processing Window Help

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

Name	Resp	RA	RY	RRF	wt/vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.00	26.34	1.001	1.85	92.7	0.0542	1.85
2 1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.00	31.14	1.001	9.78	97.9	0.0751	9.78
3 1,2,3,4,7,8-HxCDD	3.88e4	1.24	NO	1.07	1.00	34.41	1.000	9.82	98.2	0.101	9.82
4 1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.00	34.52	1.000	9.99	99.9	0.101	9.99
5 1,2,3,7,8,9-HxCDD	3.85e4	1.22	NO	0.97	1.00	34.80	1.000	9.56	95.6	0.115	9.56
6 1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.00	38.31	1.000	9.56	95.6	0.144	9.56
7 OCDD	4.71e4	0.89	NO	0.97	1.00	41.47	1.000	19.2	95.8	0.204	19.2
8 2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.00	25.50	1.001	1.97	98.3	0.0457	1.97
9 1,2,3,7,8-PeCDF	6.93e4	1.85	NO	0.97	1.00	29.89	1.000	9.88	98.8	0.0670	9.88
10 2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.00	30.86	1.001	9.42	94.2	0.0598	9.42
11 1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.00	33.54	1.001	9.96	99.6	0.127	9.96
12 1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.09	1.00	33.67	1.000	9.99	99.9	0.133	9.99
13 2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.00	34.26	1.001	9.67	96.7	0.136	9.66
14 1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.00	35.18	1.000	10.1	101	0.218	10.1
15 1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.00	36.91	1.000	9.80	98.0	0.161	9.80
16 1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.00	38.86	1.000	9.02	90.2	0.189	9.02
17 OCDF	6.07e4	0.93	NO	1.10	1.00	41.69	1.000	17.2	96.1	0.218	17.2
18 13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.00	26.33	1.025	99.9	99.9	0.195	
19 13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.00	31.12	1.212	96.5	96.5	0.310	
20 13C-1,2,3,4,7,8-HxCDD	3.69e5	1.32	NO	0.85	1.00	34.40	1.014	99.7	99.7	0.476	
21 13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.00	34.51	1.017	96.7	96.7	0.396	
22 13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.88	1.00	34.78	1.025	103	103	0.484	
23 13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.00	38.30	1.129	98.2	98.2	0.458	



Dataset: Untitled

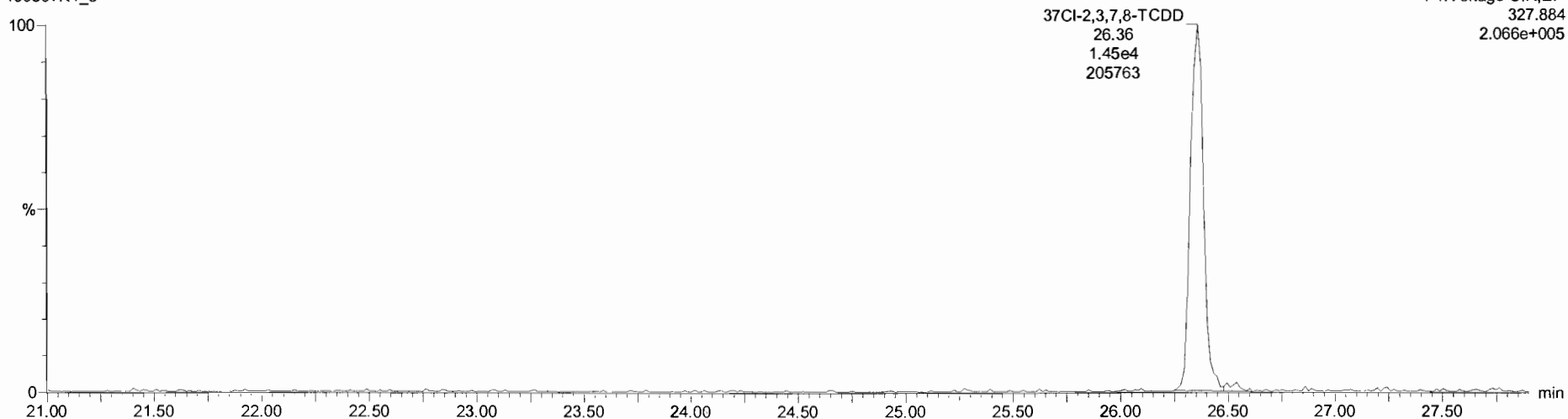
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

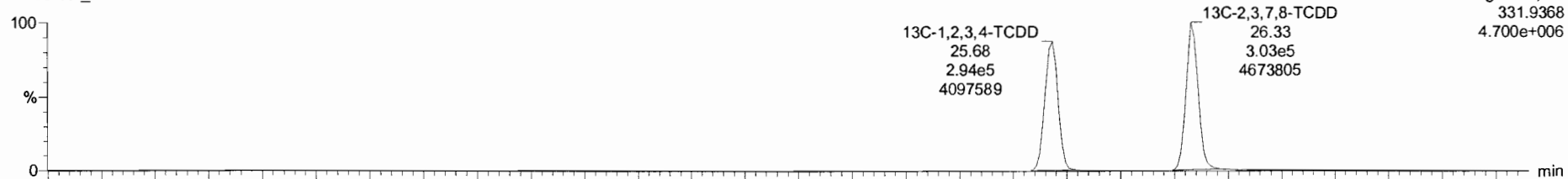
37Cl-2,3,7,8-TCDD

190507K1_5

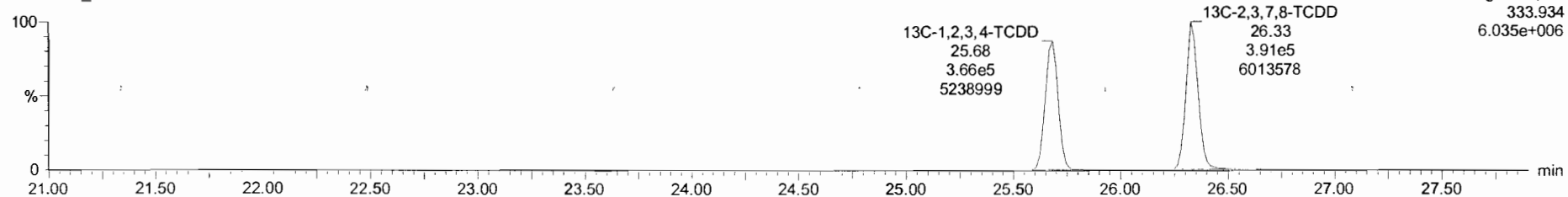


13C-1,2,3,4-TCDD

190507K1_5



190507K1_5



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

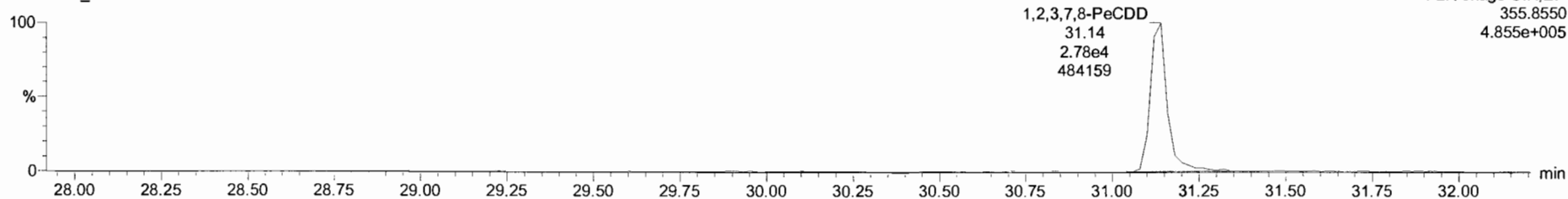
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

1,2,3,7,8-PeCDD

190507K1_5

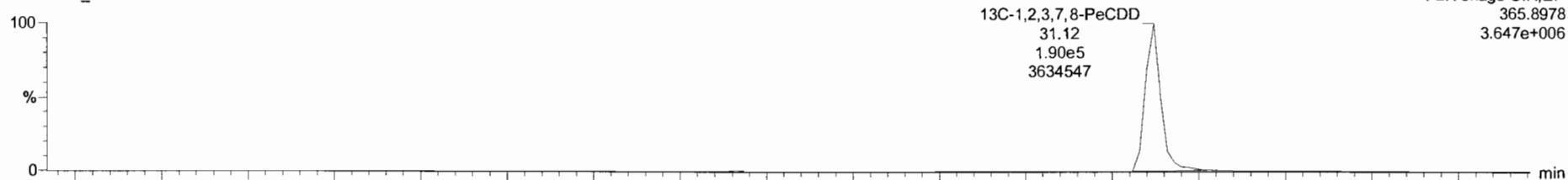


190507K1_5

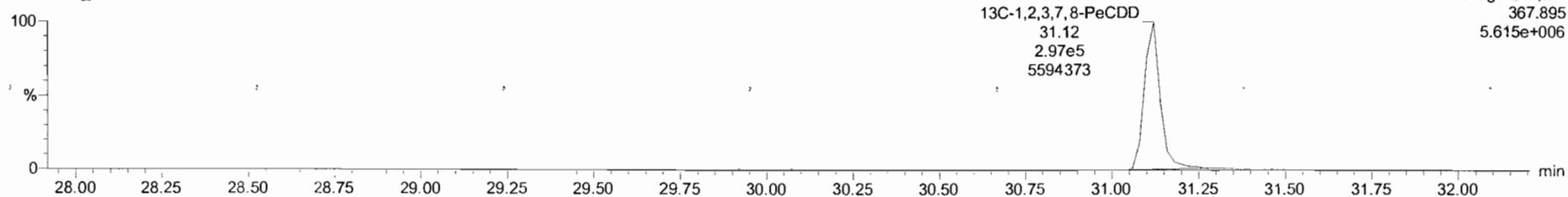


13C-1,2,3,7,8-PeCDD

190507K1_5



190507K1_5

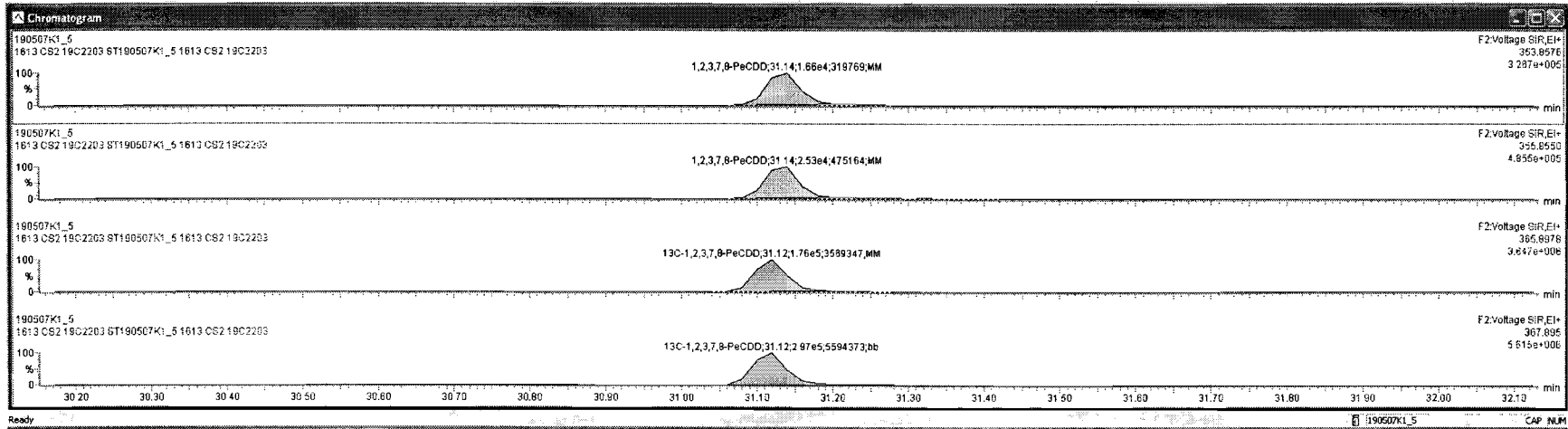


Target: ymx - 190507K1-CRV.qld

File Edit View Display Processing Window Help

190507K1_5-ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

Peak	Name	Resp	RA	RV	RPF	wt/wt	RT	RRT	Conc.	%Rec	DL	EMPC
1	1,2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0542	1.85
2	1,2,3,7,8-PeCDD	4.16e4	0.66	NO	0.96	1.000	31.34	1.001	9.79	97.9	0.0251	0.78
3	1,2,3,4,7,8-HxCDD	3.88e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.101	9.82
4	1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.101	9.99
5	1,2,3,7,8,9-HxCDD	3.85e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	95.6	0.115	9.56
6	1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.144	9.56
7	OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.204	19.2
8	2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	99.3	0.0457	1.97
9	1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.89	99.6	0.0670	9.89
10	2,3,4,7,8-PeCDF	6.92e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0559	9.42
11	1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.127	9.96
12	1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.09	1.000	33.67	1.003	9.99	99.9	0.133	9.99
13	2,3,4,6,7,8-HxCDF	5.78e4	1.22	NO	1.18	1.000	34.26	1.001	9.87	96.7	0.136	9.86
14	1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.219	10.1
15	1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.181	9.80
16	1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.92	99.2	0.169	9.92
17	OCDF	6.07e4	0.93	NO	1.10	1.000	41.69	1.000	17.2	86.1	0.218	17.2
18	13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.195	
19	13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.310	
20	13C-1,2,3,4,7,8-HxCDD	3.69e5	1.32	NO	0.65	1.000	34.40	1.014	99.7	99.7	0.476	
21	13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.398	
22	13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.464	
23	13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.129	98.2	98.2	0.456	



Dataset: Untitled

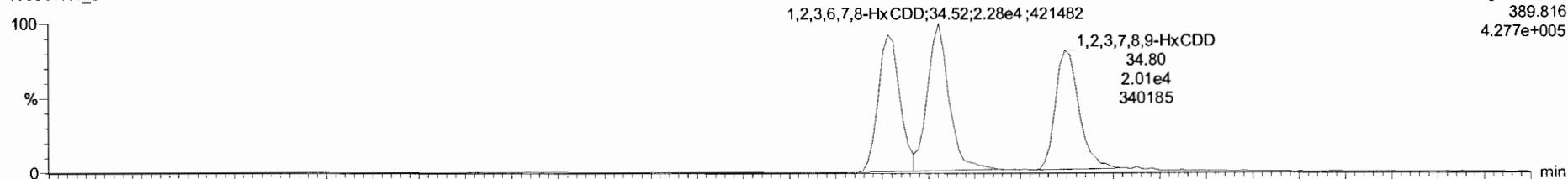
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

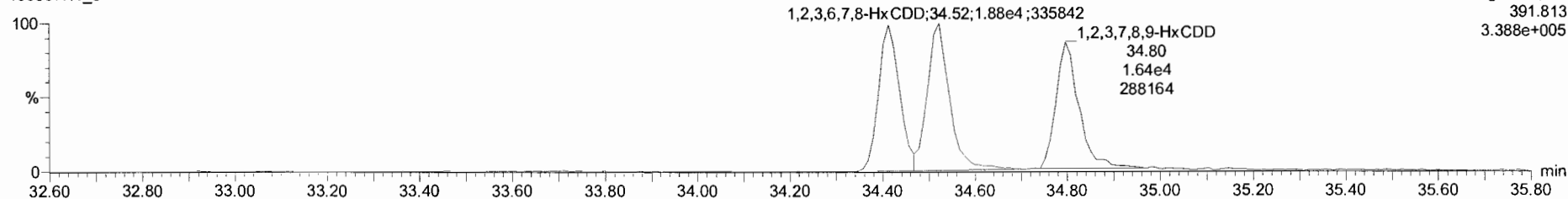
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

1,2,3,4,7,8-HxCDD

190507K1_5

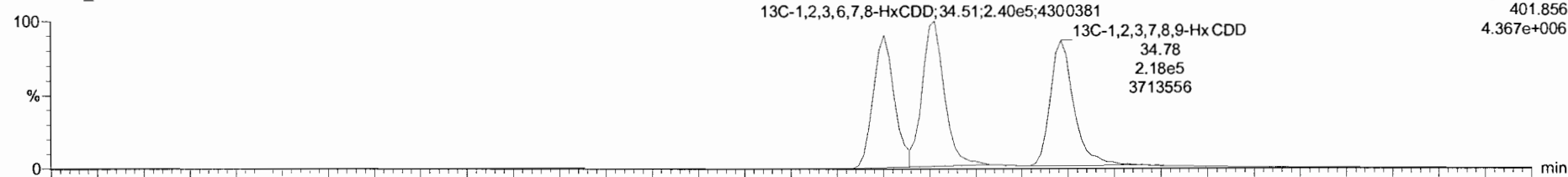


190507K1_5

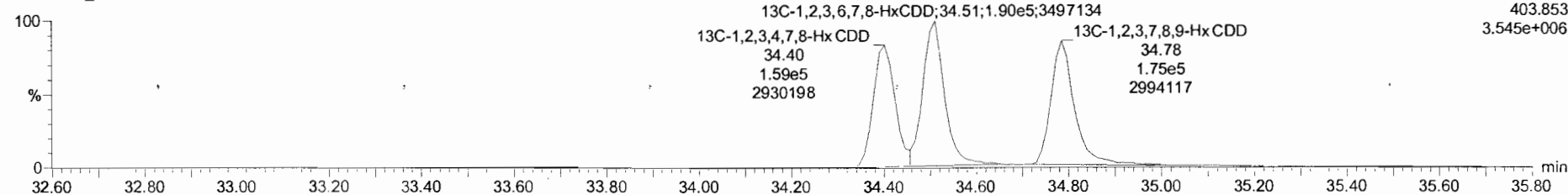


13C-1,2,3,4,7,8-HxCDD

190507K1_5



190507K1_5

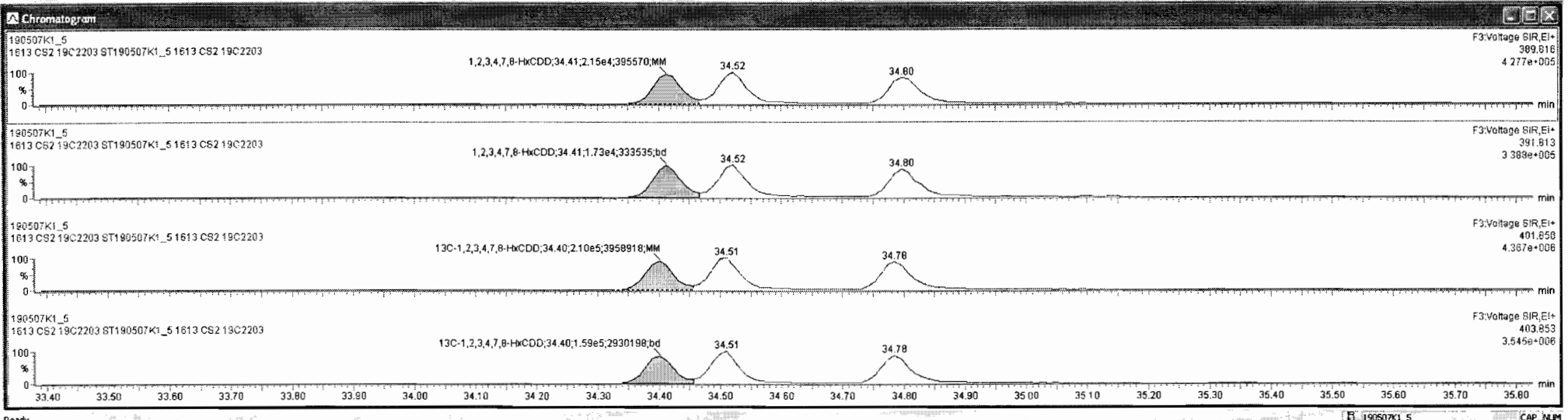


Target1.ymx - 190507K1.CRV.qld

File Edit View Display Processing Window Help

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

Name	Resp	RA	n/y	RRF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC	
1	2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0542	1.85
2	1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0751	9.78
3	1,2,3,4,7,8-HxCDD	3.88e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.101	9.82
4	1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.101	9.99
5	1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	95.6	0.115	9.56
6	1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.144	9.56
7	OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.204	19.2
8	2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0457	1.97
9	1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.88	98.8	0.0670	9.88
10	2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.85	1.001	9.42	94.2	0.0558	9.42
11	1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.98	99.6	0.127	9.98
12	1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.09	1.000	33.67	1.000	9.99	99.9	0.133	9.99
13	2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.136	9.66
14	1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.218	10.1
15	1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.161	9.80
16	1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.169	9.02
17	OCDF	6.07e4	0.93	NO	1.10	1.000	41.69	1.000	17.2	96.1	0.218	17.2
18	13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.195	
19	13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.310	
20	13C-1,2,3,4,7,8-HxCDD	3.69e5	1.32	NO	0.85	1.000	34.40	1.014	99.7	99.7	0.476	
21	13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.396	
22	13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.86	1.000	34.78	1.025	103	103	0.464	
23	13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.129	98.2	98.2	0.456	



Dataset: Untitled

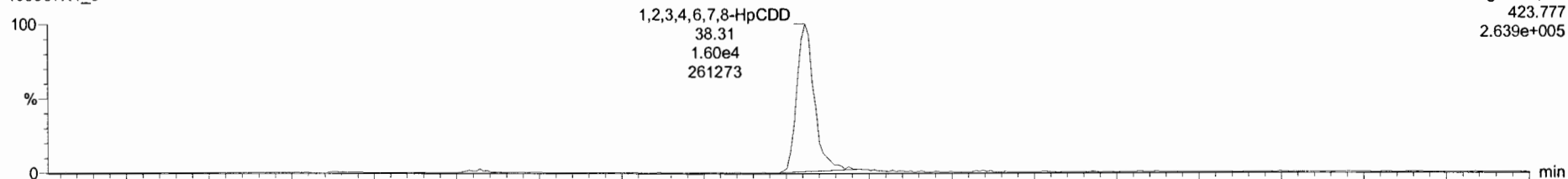
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

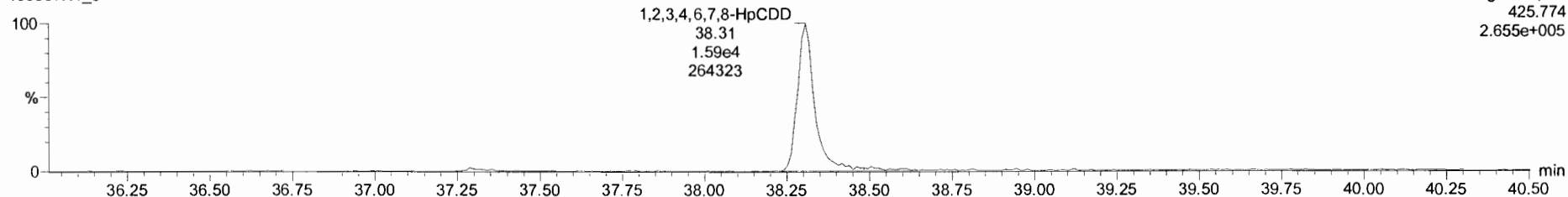
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

1,2,3,4,6,7,8-HpCDD

190507K1_5

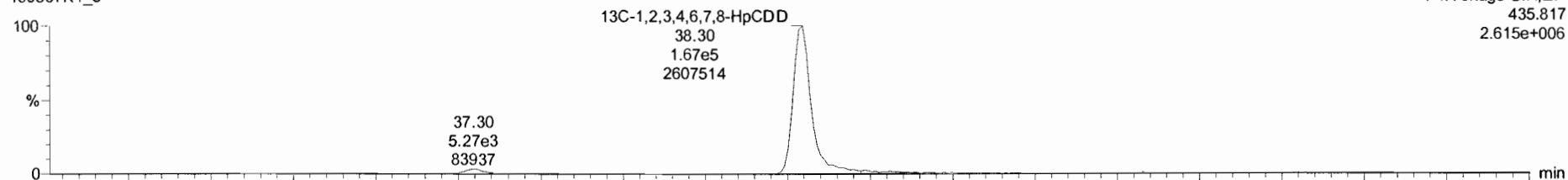


190507K1_5

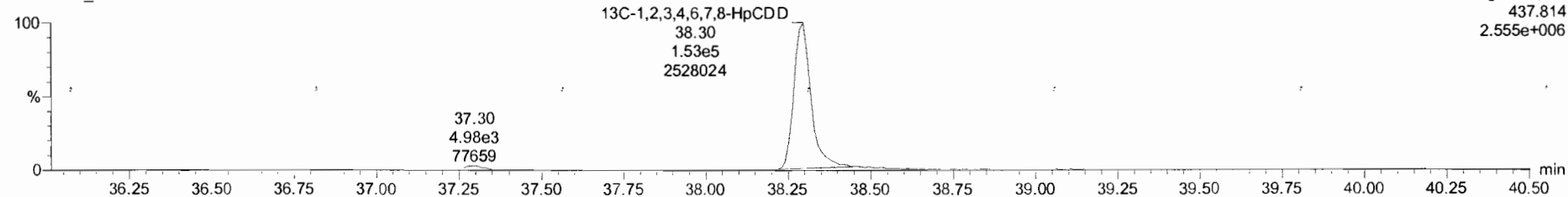


13C-1,2,3,4,6,7,8-HpCDD

190507K1_5



190507K1_5

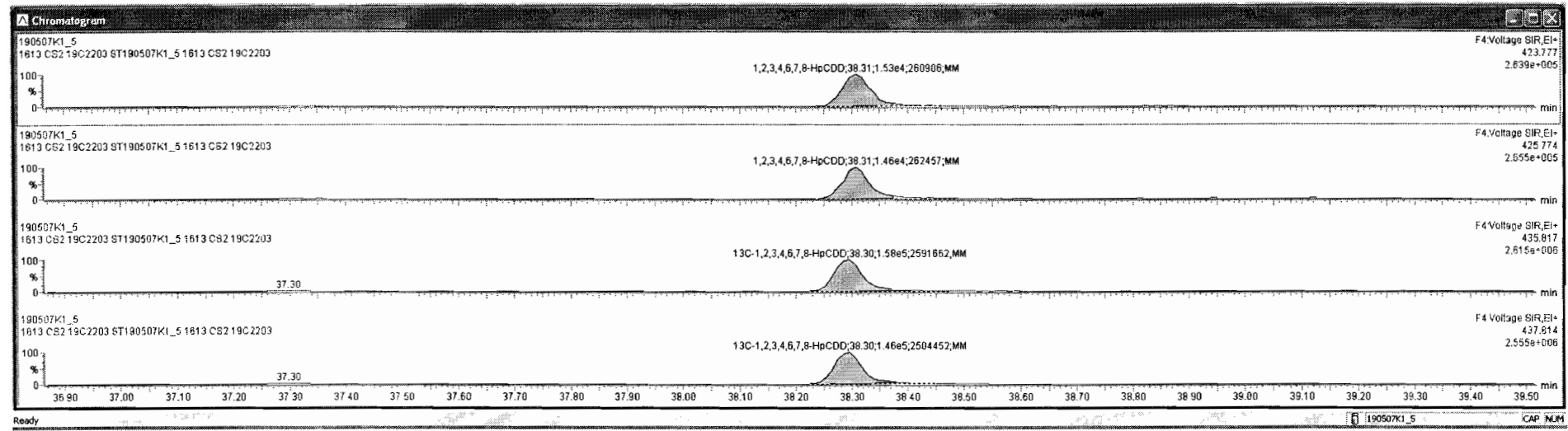


TargetLynx - 190507K1.CRV.qld

File Edit View Display Processing Window Help

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

#	Name	Resp	PA	nV	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.19e4	0.78	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0542	1.85
2	1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0751	9.78
3	1,2,3,4,7,8-HxCDD	3.88e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.101	9.82
4	1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.101	9.99
5	1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.60	1.000	9.56	95.6	0.115	9.56
6	1,2,3,4,6,7,8-HpCDD	2.28e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.144	9.56
7	OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.9	0.204	19.2
8	2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0457	1.97
9	1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.88	98.8	0.0670	9.88
10	2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0559	9.42
11	1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.127	9.96
12	1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.09	1.000	33.67	1.000	9.99	99.9	0.133	9.99
13	2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.136	9.66
14	1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.218	10.1
15	1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.21	1.000	9.80	98.0	0.161	9.80
16	1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.169	9.02
17	OCDF	6.07e4	0.93	NO	1.10	1.000	41.69	1.000	17.2	86.1	0.218	17.2
18	13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.195	
19	13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.310	
20	13C-1,2,3,4,7,8-HxCDD	3.89e5	1.32	NO	0.85	1.000	34.40	1.014	99.7	99.7	0.476	
21	13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.396	
22	13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.464	
23	13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.129	98.2	98.2	0.456	



Dataset: Untitled

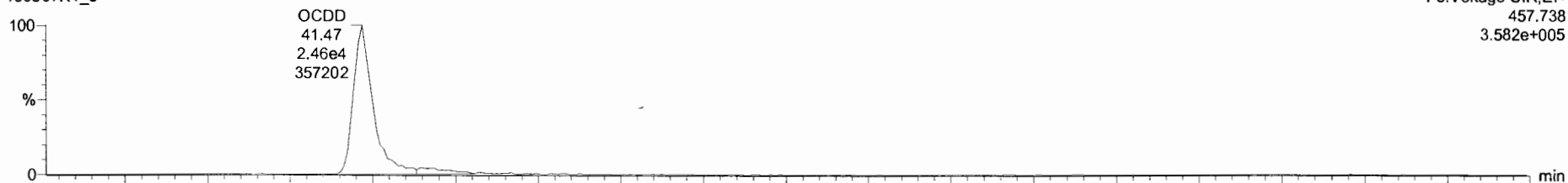
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

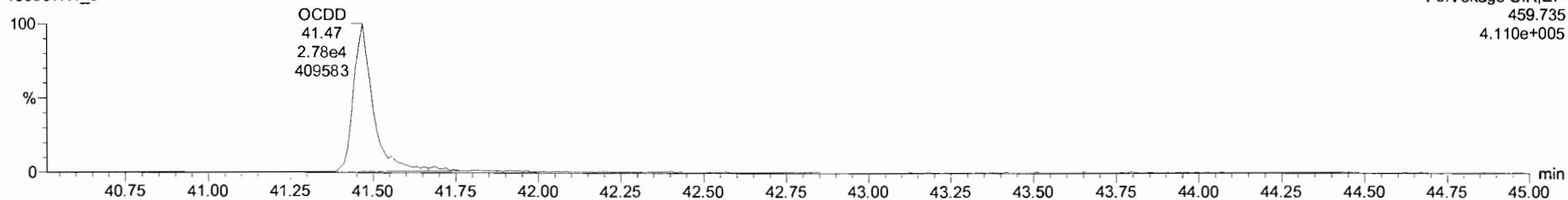
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

OCDD

190507K1_5

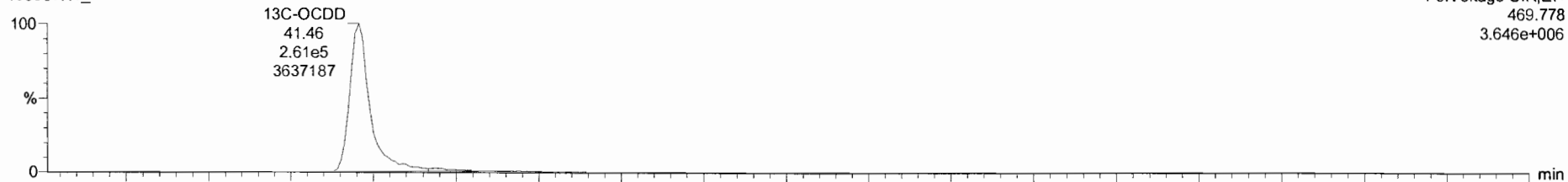


190507K1_5

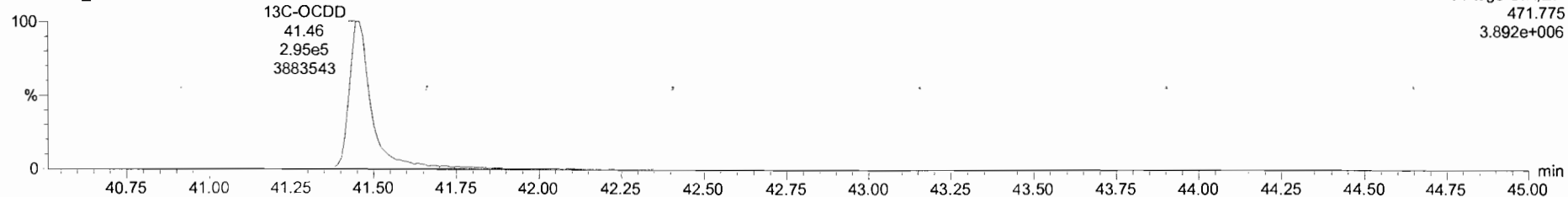


13C-OCDD

190507K1_5

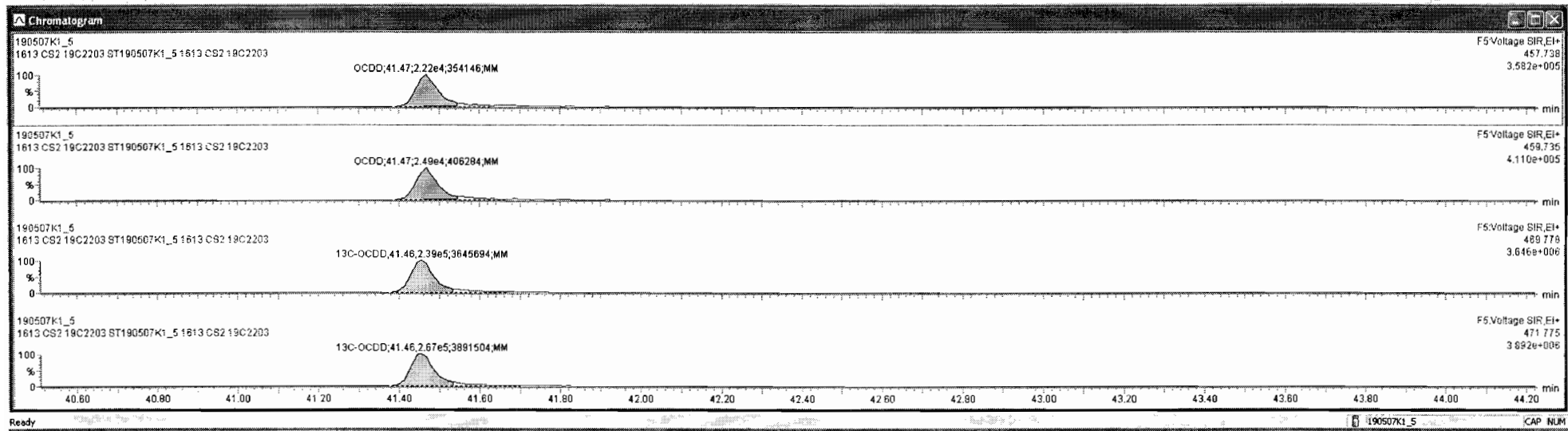


190507K1_5



190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

Name	Resp	RA	NY	RF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0542	1.85
2 1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0751	9.78
3 1,2,3,4,7,8-HxCDD	3.69e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.101	9.82
4 1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.101	9.99
5 1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	95.6	0.115	9.56
6 1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.144	9.56
7 OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.204	19.2
8 2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0457	1.97
9 1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.86	98.6	0.0670	9.86
10 2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0558	9.42
11 1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.127	9.96
12 1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.09	1.000	33.67	1.000	9.99	99.9	0.133	9.99
13 2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.136	9.66
14 1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.218	10.1
15 1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.181	9.80
16 1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.169	9.02
17 OCDF	6.07e4	0.93	NO	1.10	1.000	41.89	1.000	17.2	86.1	0.218	17.2
18 1,2,3,7,8-TCDF	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.195	
19 1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.310	
20 1,2,3,4,7,8-HxCDD	3.69e5	1.32	NO	0.65	1.000	34.40	1.014	99.7	99.7	0.476	
21 1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.396	
22 1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.464	
23 1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.129	99.2	99.2	0.456	



Dataset: Untitled

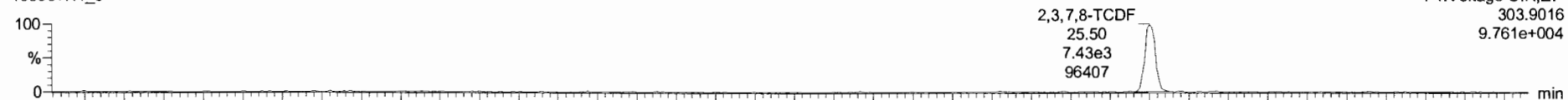
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

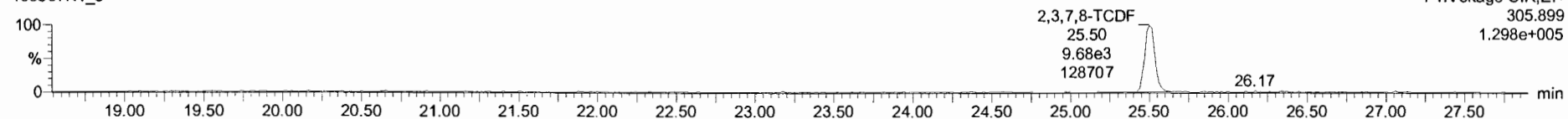
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

2,3,7,8-TCDF

190507K1_5

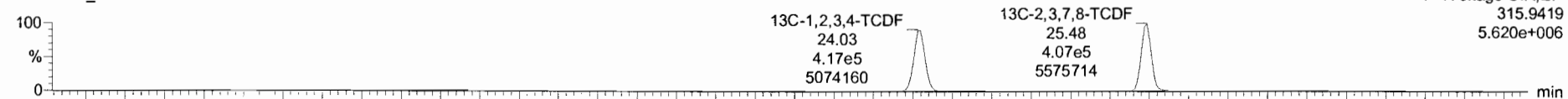


190507K1_5

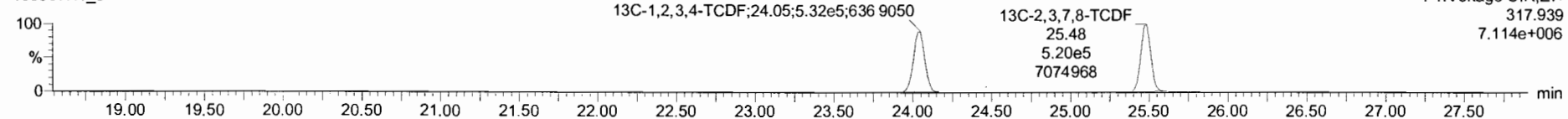


13C-2,3,7,8-TCDF

190507K1_5

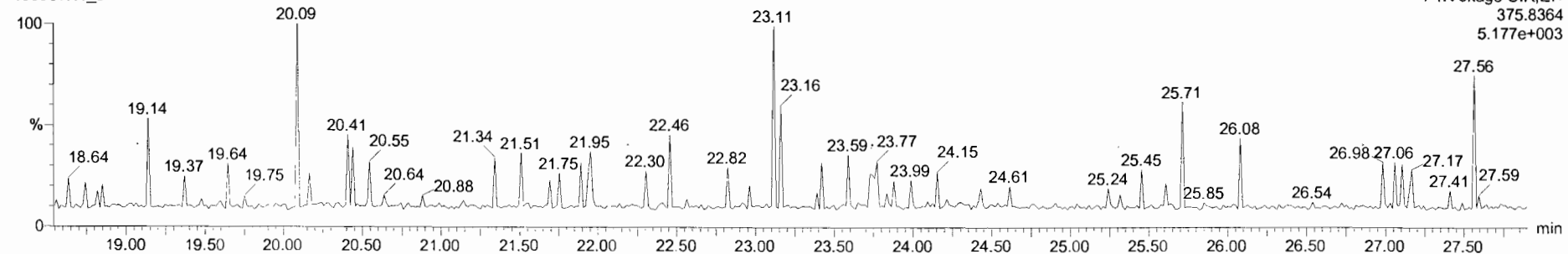


190507K1_5



DPE1

190507K1_5



Dataset: Untitled

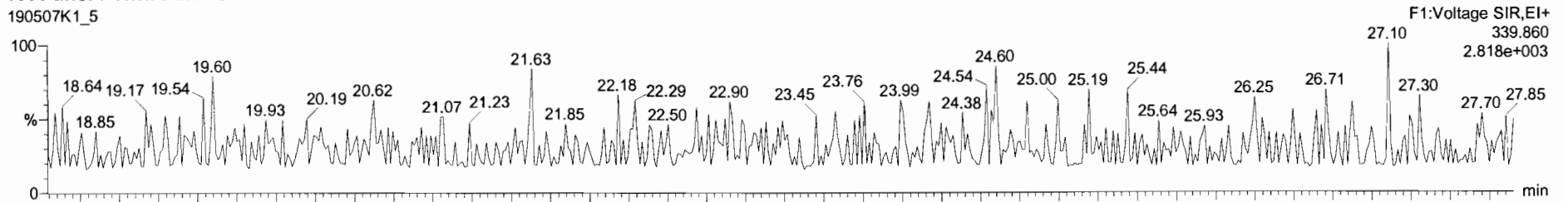
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

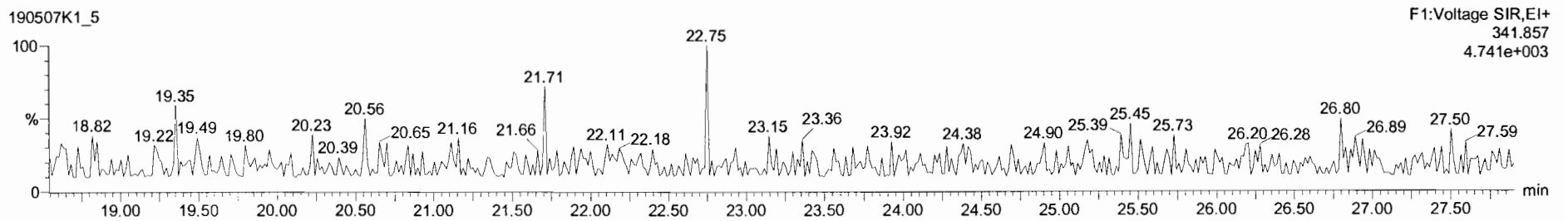
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

1st Func. Penta-Furans

190507K1_5

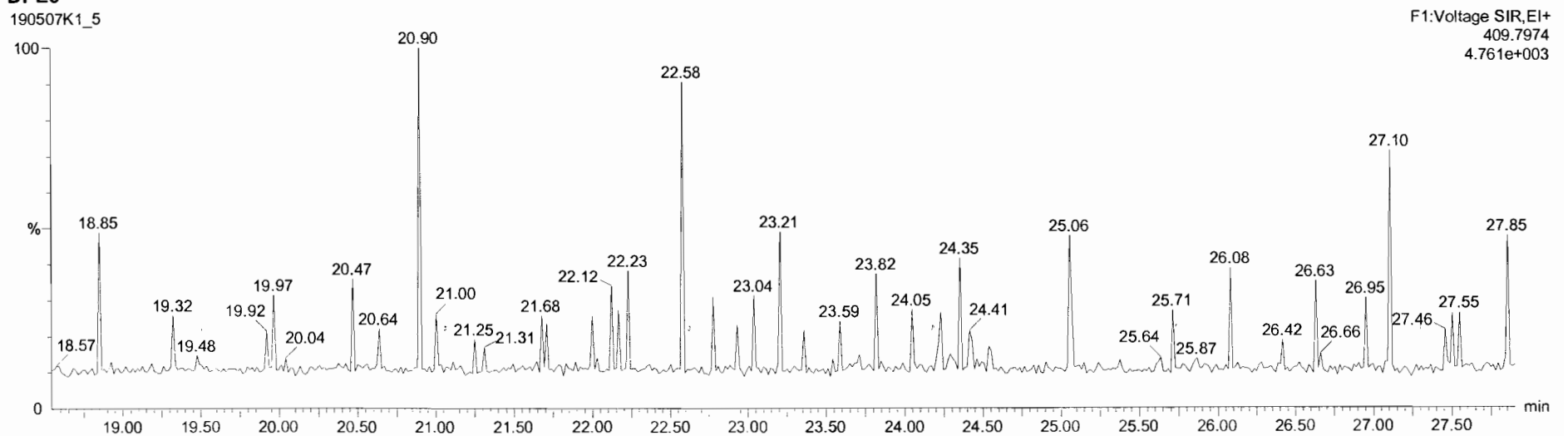


190507K1_5



DPE6

190507K1_5



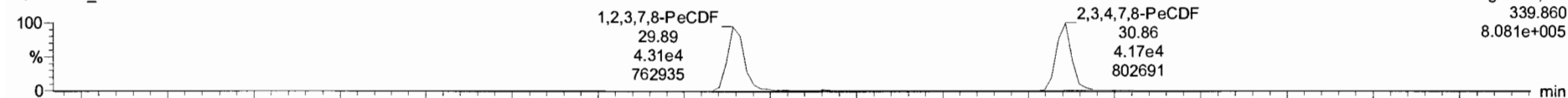
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

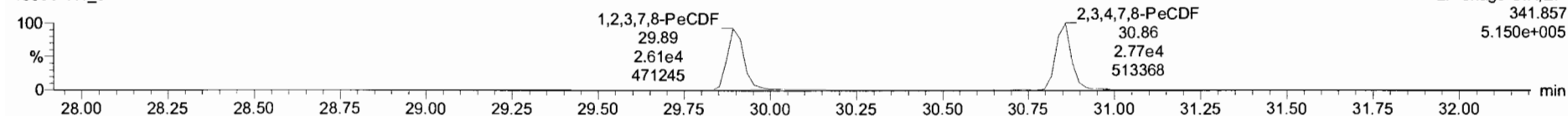
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

1,2,3,7,8-PeCDF

190507K1_5

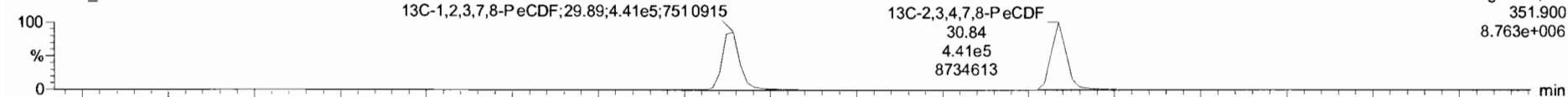


190507K1_5

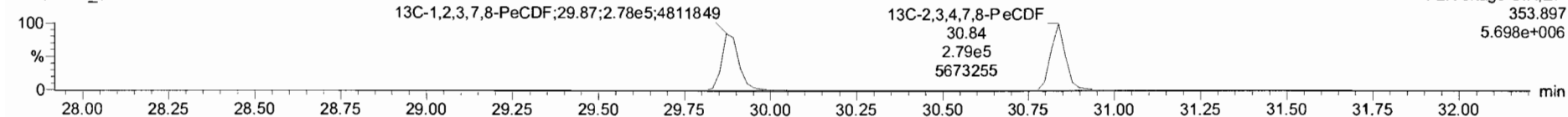


13C-1,2,3,7,8-PeCDF

190507K1_5

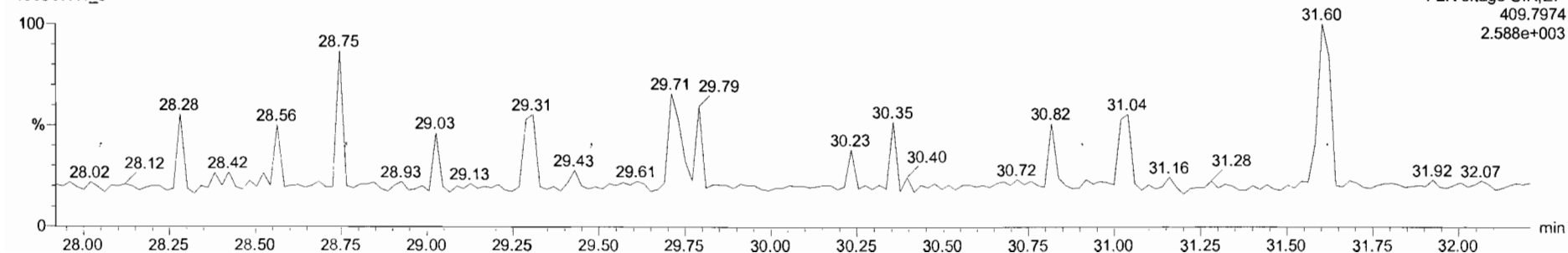


190507K1_5



DPE2

190507K1_5

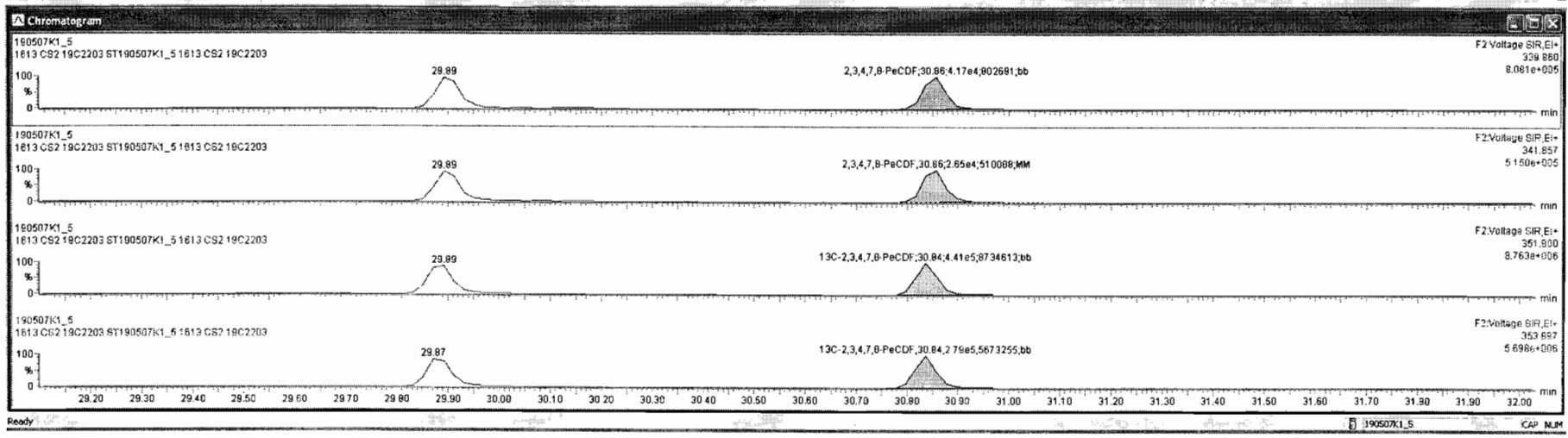


Target1.yml - 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_5 - ST:190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

#	Name	Resp	RA	rvj	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0542	1.85
2	1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0751	9.78
3	1,2,3,4,7,8-HxCDD	3.89e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.101	9.82
4	1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.101	9.99
5	1,2,3,7,8,9-HxCDD	3.85e4	1.22	NO	0.97	1.000	34.60	1.000	9.56	95.6	0.115	9.56
6	1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	36.31	1.000	9.56	95.6	0.144	9.56
7	OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.204	19.2
8	2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0457	1.97
9	1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	26.89	1.000	9.88	98.8	0.0670	9.88
10	2,3,4,7,8-PeCDF	8.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0558	9.42
11	1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.127	9.96
12	1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.09	1.000	33.67	1.000	9.99	99.9	0.133	9.99
13	2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.136	9.66
14	1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.218	10.1
15	1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.161	9.80
16	1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	36.86	1.000	9.02	90.2	0.189	9.02
17	OCDF	6.07e4	0.93	NO	1.10	1.000	41.69	1.000	17.2	96.1	0.218	17.2
18	13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.195	
19	13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.310	
20	13C-1,2,3,4,7,8-HxCDD	3.89e5	1.32	NO	0.65	1.000	34.40	1.014	99.7	99.7	0.476	
21	13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.396	
22	13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.464	
23	13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	36.30	1.128	98.2	98.2	0.456	



Dataset: Untitled

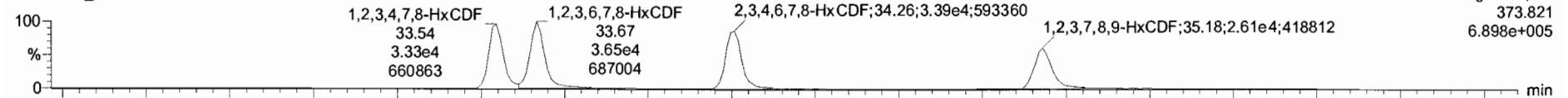
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

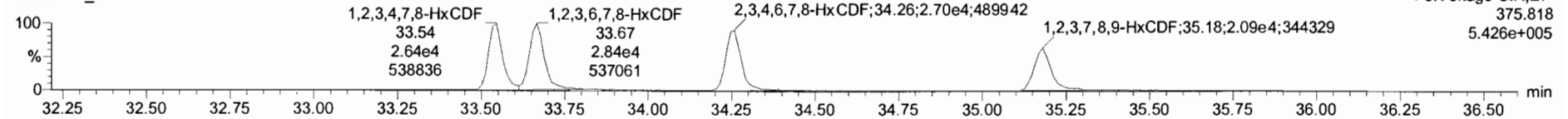
Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

1,2,3,4,7,8-HxCDF

190507K1_5

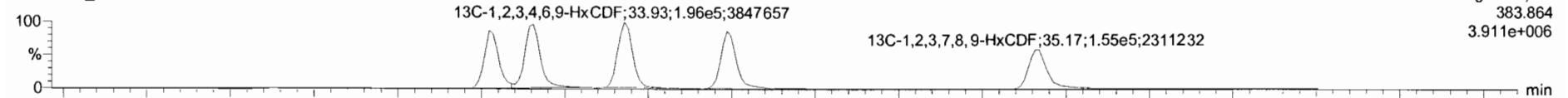


190507K1_5

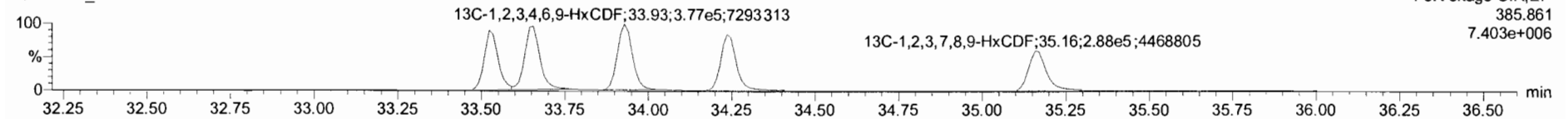


13C-1,2,3,4,7,8-HxCDF

190507K1_5

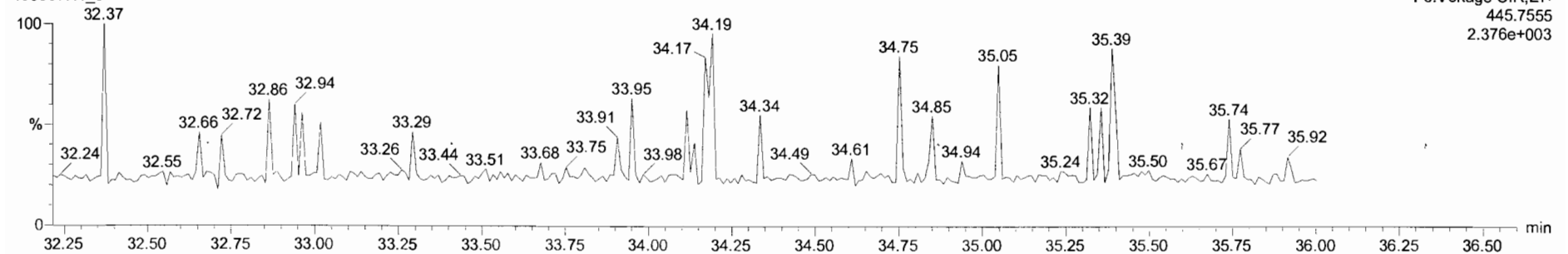


190507K1_5

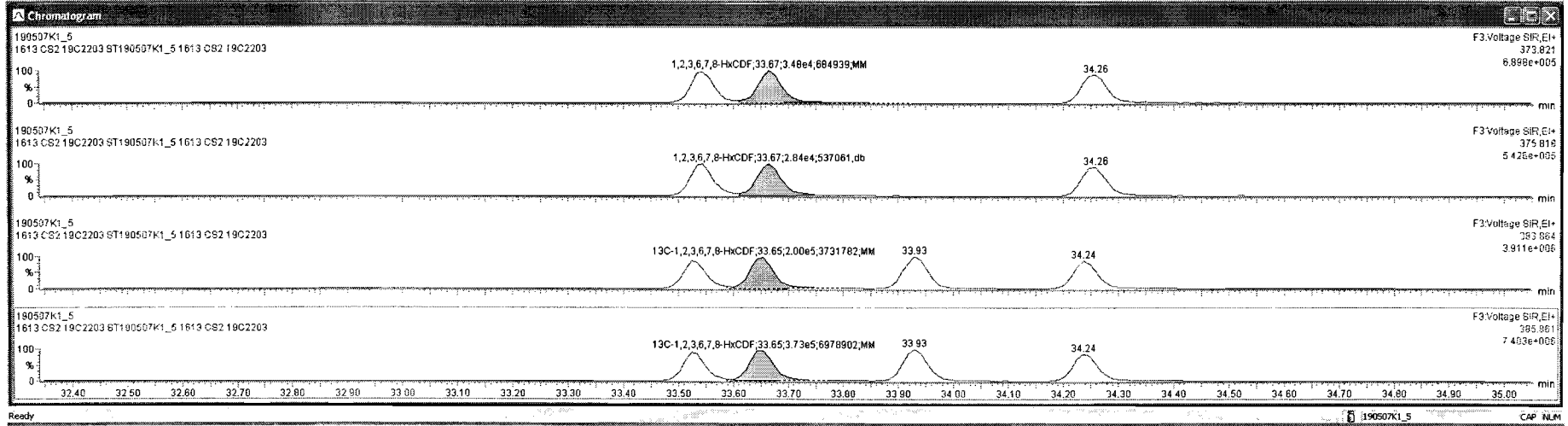


DPE3

190507K1_5



Name	Resp	RA	NY	RRF	StdVol	RT	RRT	Conc	%Rec	DL	BMPC
1 2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0451	1.85
2 1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0625	9.78
3 1,2,3,4,7,8-HxCDD	3.89e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.0838	9.82
4 1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.0838	9.99
5 1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	95.6	0.0960	9.56
6 1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.1120	9.56
7 OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.6	0.170	19.2
8 2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0361	1.97
9 1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.87	1.000	29.89	1.000	9.88	98.8	0.0558	9.88
10 2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0465	9.42
11 1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.106	9.96
12 1,2,3,6,7,8-HxCDF	6.52e4	1.22	NO	1.19	1.000	33.67	1.000	10.1	101	0.1111	10.1
13 2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.113	9.67
14 1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.182	10.1
15 1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.134	9.80
16 1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.140	9.02
17 OCDF	6.07e4	0.93	NO	1.10	1.000	41.69	1.000	17.2	86.1	0.182	17.2
18 13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.162	
19 13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.258	
20 13C-1,2,3,4,7,8-HxCDD	3.89e5	1.32	NO	0.85	1.000	34.40	1.014	99.7	99.7	0.396	
21 13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.330	
22 13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.386	
23 13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.128	98.2	98.2	0.380	

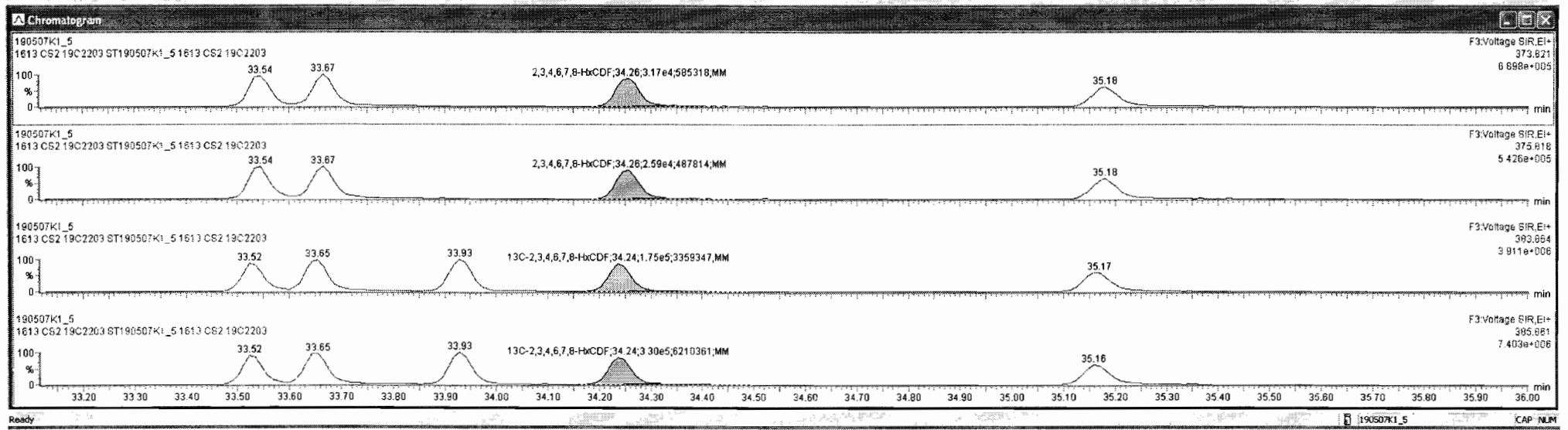


TargetLynx 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

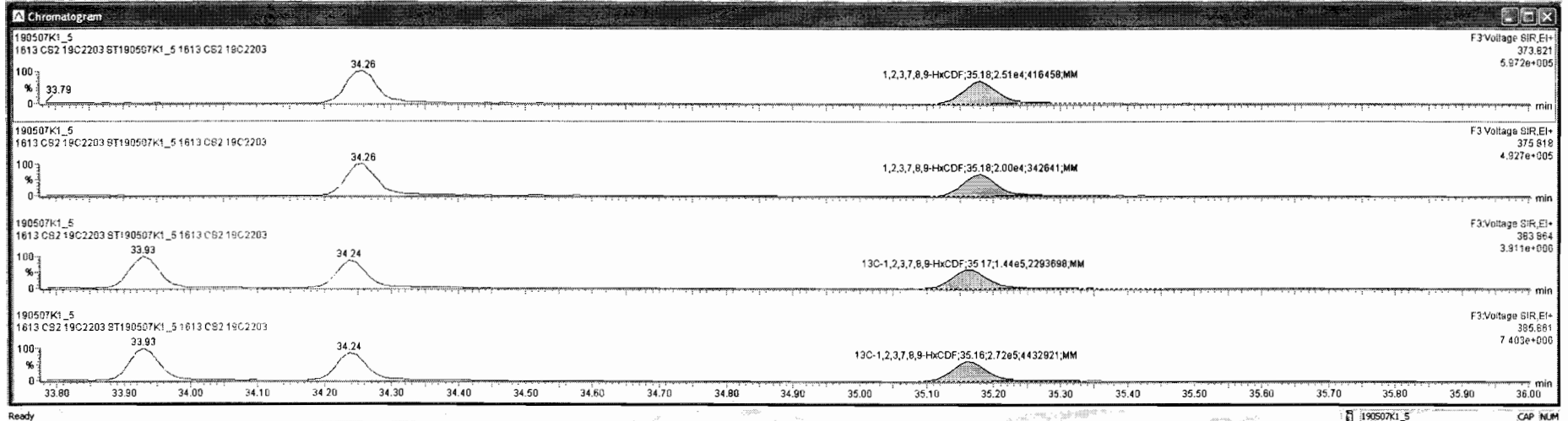
Name	Resp	RA	n/y	RfF	wt/Vol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0451	1.85
2 1,2,3,7,8-PeCDD	4.19e4	0.86	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0625	9.78
3 1,2,3,4,7,8-HxCDD	3.89e4	1.24	NO	1.07	1.000	34.41	1.000	9.62	98.2	0.0838	9.62
4 1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.0838	9.99
5 1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	95.6	0.0960	9.56
6 1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.120	9.56
7 OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.170	19.2
8 2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0381	1.97
9 1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.88	98.8	0.0558	9.88
10 2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0465	9.42
11 1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.106	9.96
12 1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.10	1.000	33.67	1.000	10.1	101	0.111	10.1
13 2,3,4,6,7,8-HxCDF	5.78e4	1.22	NO	1.18	1.000	34.26	1.001	9.97	96.7	0.113	9.67
14 1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.16	1.000	10.1	101	0.182	10.1
15 1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.134	9.80
16 1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.140	9.02
17 OCDF	6.07e4	0.93	NO	1.10	1.000	41.68	1.000	17.2	86.1	0.182	17.2
18 13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.162	
19 13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	86.5	96.5	0.258	
20 13C-1,2,3,4,7,8-HxCDD	3.89e5	1.32	NO	0.65	1.000	34.40	1.014	99.7	99.7	0.396	
21 13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	95.7	96.7	0.330	
22 13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.386	
23 13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.129	98.2	98.2	0.380	



Target: ynx_190507K1_CRV.qld*

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

Name	Resp	RA	inj	RRF	WtWd	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0451	1.85
2 1,2,3,7,8-PeCDD	4.19e4	0.86	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0625	9.78
3 1,2,3,4,7,8-HxCDD	3.88e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.0838	9.82
4 1,2,3,6,7,8-HxCDD	4.16e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.0838	9.99
5 1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	95.6	0.0960	9.56
6 1,2,3,4,6,7,8-HpCDD	2.99e4	1.05	NO	1.03	1.000	38.31	1.000	9.56	95.6	0.120	9.56
7 OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.170	19.2
8 2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0381	1.97
9 1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.88	98.8	0.0558	9.88
10 2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0465	9.42
11 1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.106	9.96
12 1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.10	1.000	33.67	1.000	10.1	101	0.111	10.1
13 2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.16	1.000	34.26	1.001	9.67	96.7	0.113	9.67
14 1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.182	10.1
15 1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.134	9.80
16 1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.68	1.000	9.02	90.2	0.140	9.02
17 OCDF	6.07e4	0.93	NO	1.10	1.000	41.69	1.000	17.2	86.1	0.182	17.2
18 13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.162	
19 13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.258	
20 13C-1,2,3,4,7,8-HxCDD	3.88e5	1.32	NO	0.85	1.000	34.40	1.014	99.7	99.7	0.396	
21 13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.330	
22 13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.396	
23 13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.129	98.2	98.2	0.390	



Dataset: Untitled

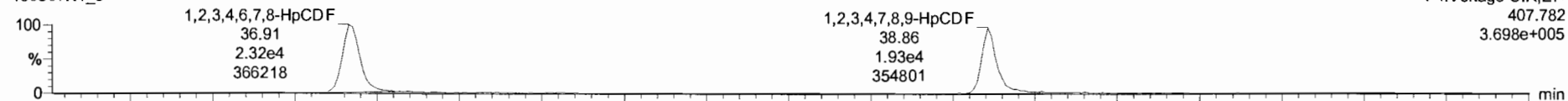
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

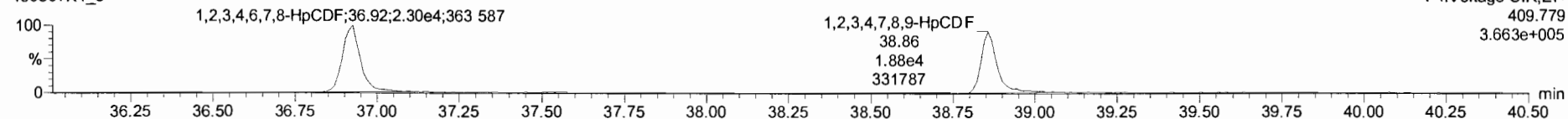
1,2,3,4,6,7,8-HpCDF

190507K1_5



F4:Voltage SIR,EI+
407.782
3.698e+005

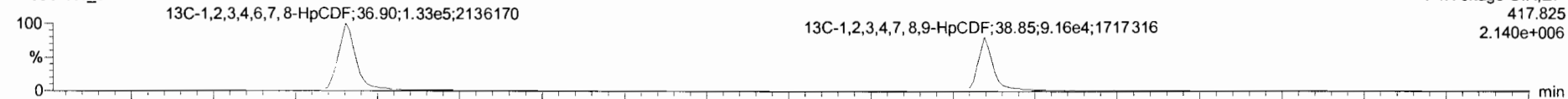
190507K1_5



F4:Voltage SIR,EI+
409.779
3.663e+005

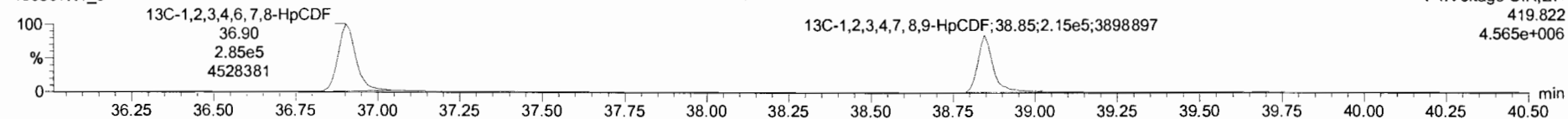
13C-1,2,3,4,6,7,8-HpCDF

190507K1_5



F4:Voltage SIR,EI+
417.825
2.140e+006

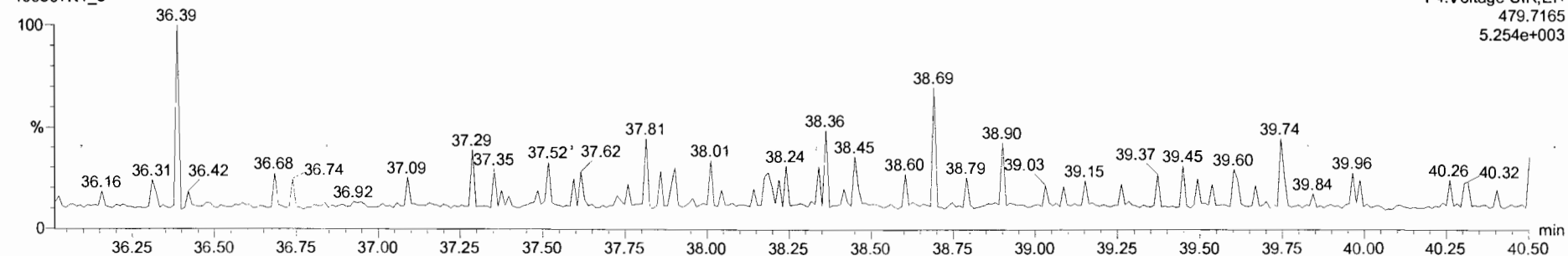
190507K1_5



F4:Voltage SIR,EI+
419.822
4.565e+006

DPE4

190507K1_5



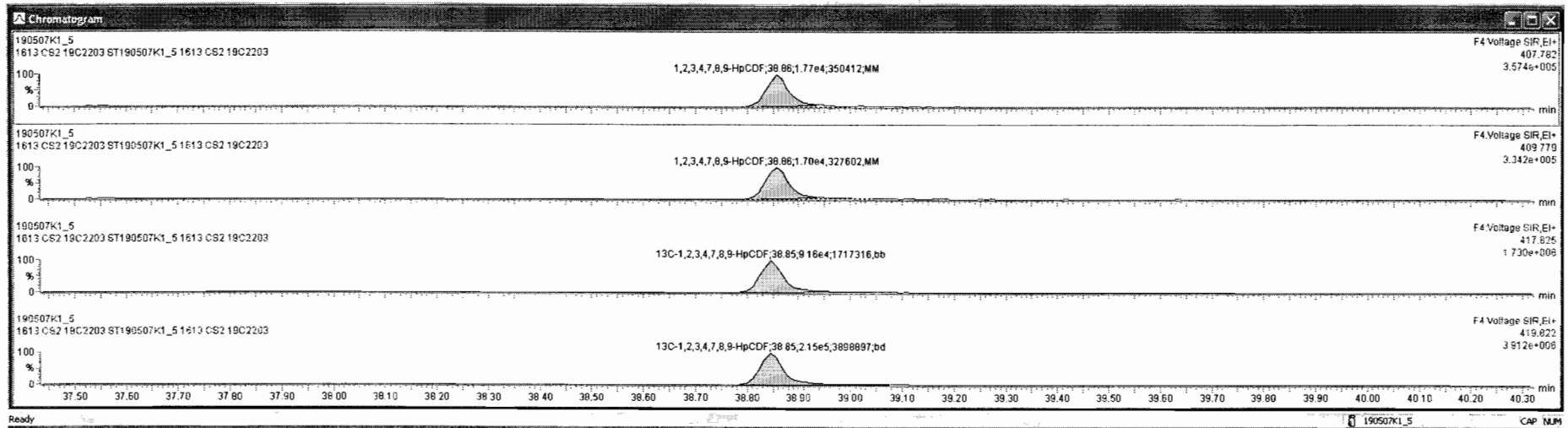
F4:Voltage SIR,EI+
479.7165
5.254e+003

Target: ymx - 190507K1_CRY.qld

File Edit View Display Processing Window Help

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

Name	Resp	RA	FlY	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0451	1.85
2 1,2,3,7,8-PeCDD	4.19e4	0.66	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0625	9.78
3 1,2,3,4,7,8-HxCDD	3.89e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	98.2	0.0838	9.82
4 1,2,3,6,7,8-HxCDD	4.18e4	1.22	NO	0.97	1.000	34.52	1.000	9.99	99.9	0.0838	9.99
5 1,2,3,7,8,9-HxCDD	3.65e4	1.22	NO	0.97	1.000	34.80	1.000	9.56	96.6	0.0960	9.56
6 1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	36.31	1.000	9.56	95.6	0.120	9.56
7 OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.170	19.2
8 2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0381	1.97
9 1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.88	98.8	0.0558	9.88
10 2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0465	9.42
11 1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.106	9.96
12 1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.10	1.000	33.67	1.000	10.1	101	0.111	10.1
13 2,3,4,6,7,8-HxCDF	5.78e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.113	9.67
14 1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.182	10.1
15 1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.134	9.80
16 1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.140	9.02
17 OCDF	6.07e4	0.93	NO	1.10	1.000	41.89	1.000	17.2	86.1	0.182	17.2
18 13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.162	
19 13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.259	
20 13C-1,2,3,4,7,8-HxCDD	3.69e5	1.32	NO	0.65	1.000	34.40	1.014	99.7	99.7	0.396	
21 13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.330	
22 13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.396	
23 13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.08	NO	0.54	1.000	38.30	1.129	98.2	98.2	0.390	



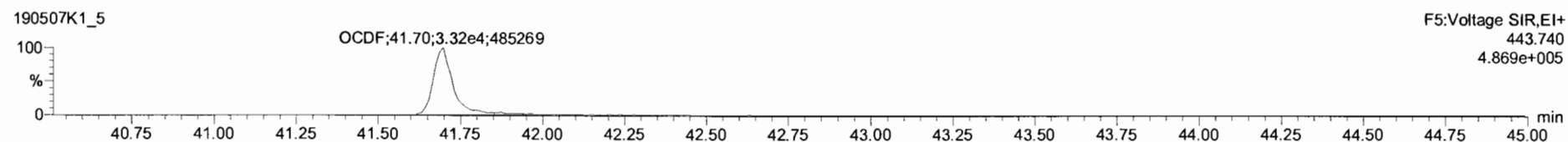
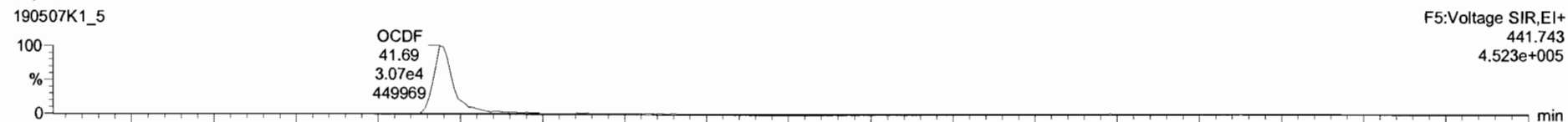
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

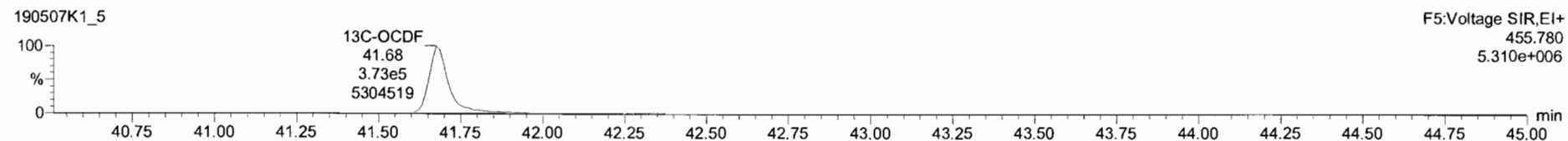
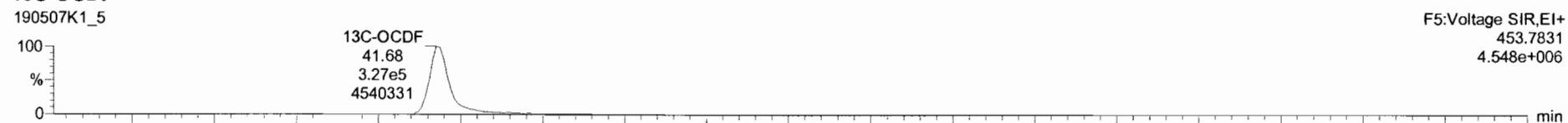
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203

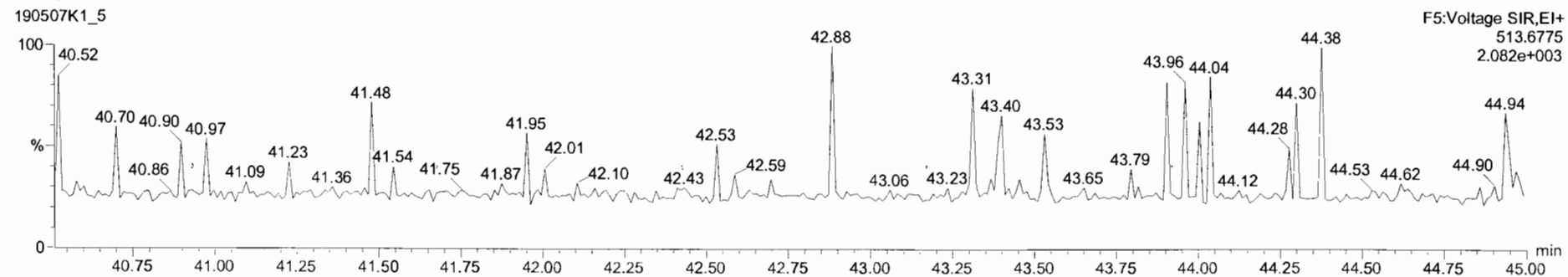
OCDF



13C-OCDF



DPE5

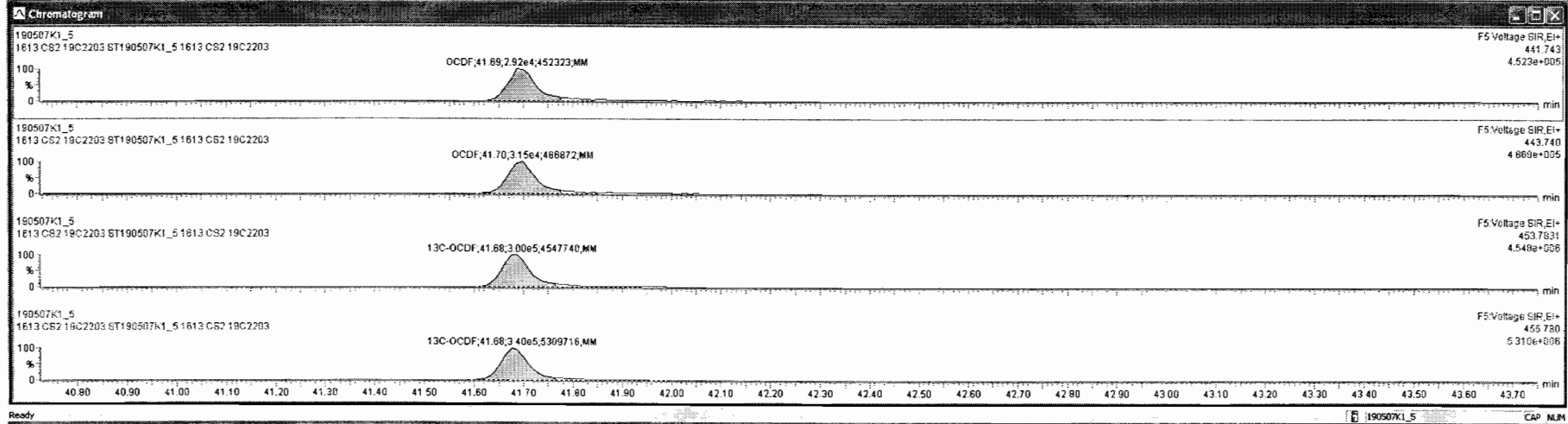


Target: ynx - 190507K1_CRY.qld

File Edit View Display Processing Window Help

190507K1_5 - ST190507K1_5 1613 CS2 19C2203 - 1613 CS2 19C2203

ID	Name	Resp	RA	IFY	RF	wt/nd	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	1.19e4	0.79	NO	0.92	1.000	26.34	1.001	1.85	92.7	0.0461	1.85
2	1,2,3,7,8-PeCDD	4.18e4	0.65	NO	0.90	1.000	31.14	1.001	9.78	97.8	0.0625	9.78
3	1,2,3,4,7,8-HxCDD	3.89e4	1.24	NO	1.07	1.000	34.41	1.000	9.82	88.2	0.0838	9.82
4	1,2,3,6,7,8-HxCDD	4.18e4	1.22	NO	0.97	1.000	34.52	1.000	9.89	99.9	0.0838	9.89
5	1,2,3,7,8,9-HxCDD	3.85e4	1.22	NO	0.87	1.000	34.80	1.000	9.56	95.6	0.0860	9.56
6	1,2,3,4,6,7,8-HpCDD	2.98e4	1.05	NO	1.03	1.000	36.31	1.000	9.56	95.6	0.120	9.56
7	OCDD	4.71e4	0.89	NO	0.97	1.000	41.47	1.000	19.2	95.8	0.170	19.2
8	2,3,7,8-TCDF	1.71e4	0.77	NO	0.94	1.000	25.50	1.001	1.97	98.3	0.0381	1.97
9	1,2,3,7,8-PeCDF	6.93e4	1.65	NO	0.97	1.000	29.89	1.000	9.88	98.8	0.0558	9.88
10	2,3,4,7,8-PeCDF	6.82e4	1.58	NO	1.00	1.000	30.86	1.001	9.42	94.2	0.0465	9.42
11	1,2,3,4,7,8-HxCDF	5.97e4	1.26	NO	1.24	1.000	33.54	1.001	9.96	99.6	0.106	9.96
12	1,2,3,6,7,8-HxCDF	6.32e4	1.22	NO	1.10	1.000	33.67	1.000	10.1	101	0.111	10.1
13	2,3,4,6,7,8-HxCDF	5.76e4	1.22	NO	1.18	1.000	34.26	1.001	9.67	96.7	0.113	9.67
14	1,2,3,7,8,9-HxCDF	4.51e4	1.25	NO	1.07	1.000	35.18	1.000	10.1	101	0.182	10.1
15	1,2,3,4,6,7,8-HpCDF	4.63e4	1.01	NO	1.13	1.000	36.91	1.000	9.80	98.0	0.134	9.80
16	1,2,3,4,7,8,9-HpCDF	3.47e4	1.04	NO	1.26	1.000	38.86	1.000	9.02	90.2	0.140	9.02
17	OCDF	6.07e4	0.93	NO	1.10	1.000	41.89	1.000	17.2	95.3	0.162	17.2
18	13C-2,3,7,8-TCDD	6.91e5	0.78	NO	1.05	1.000	26.33	1.025	99.9	99.9	0.162	
19	13C-1,2,3,7,8-PeCDD	4.73e5	0.59	NO	0.74	1.000	31.12	1.212	96.5	96.5	0.258	
20	13C-1,2,3,4,7,8-HxCDD	3.69e5	1.32	NO	0.65	1.000	34.40	1.014	99.7	99.7	0.306	
21	13C-1,2,3,6,7,8-HxCDD	4.30e5	1.26	NO	0.78	1.000	34.51	1.017	96.7	96.7	0.330	
22	13C-1,2,3,7,8,9-HxCDD	3.93e5	1.25	NO	0.66	1.000	34.78	1.025	103	103	0.306	
23	13C-1,2,3,4,6,7,8-HpCDD	3.04e5	1.09	NO	0.54	1.000	38.30	1.126	98.2	98.2	0.300	

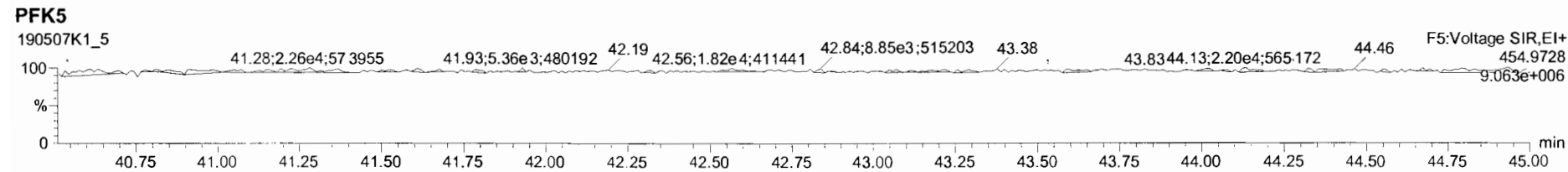
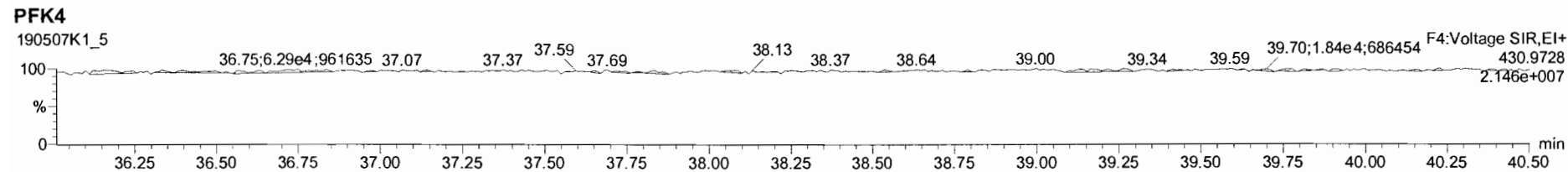
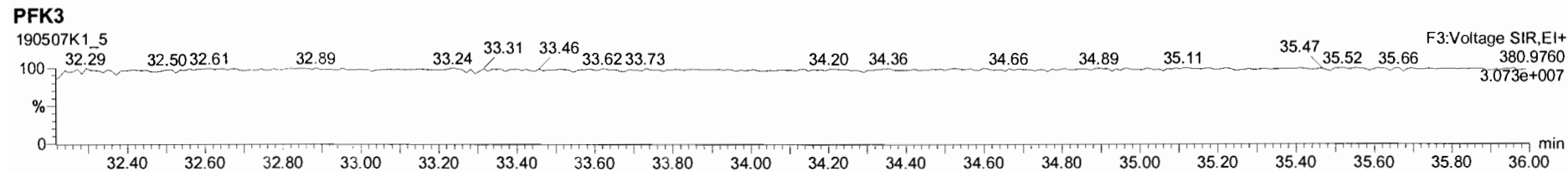
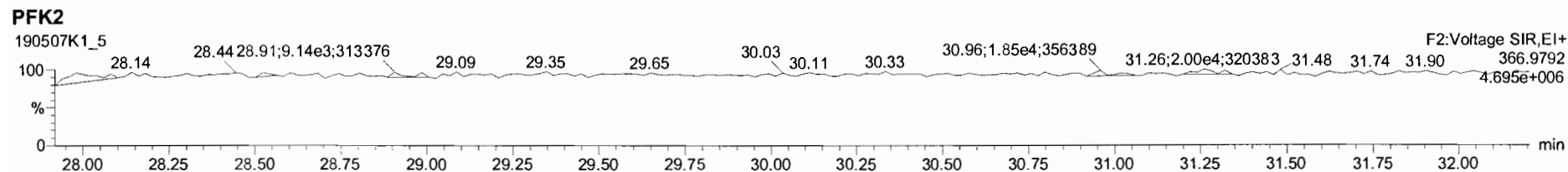
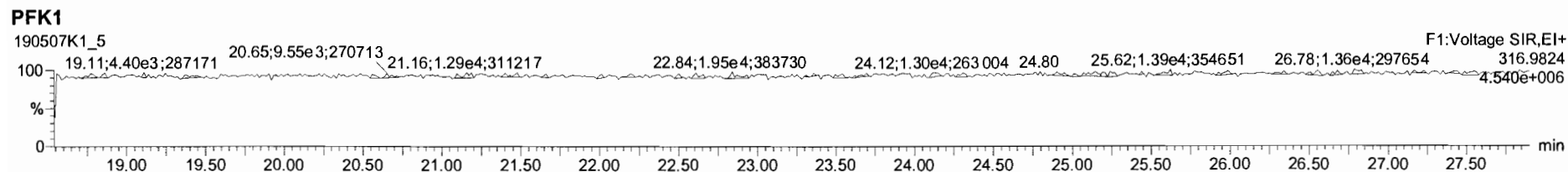


Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_5, Date: 07-May-2019, Time: 13:51:47, ID: ST190507K1_5 1613 CS2 19C2203, Description: 1613 CS2 19C2203



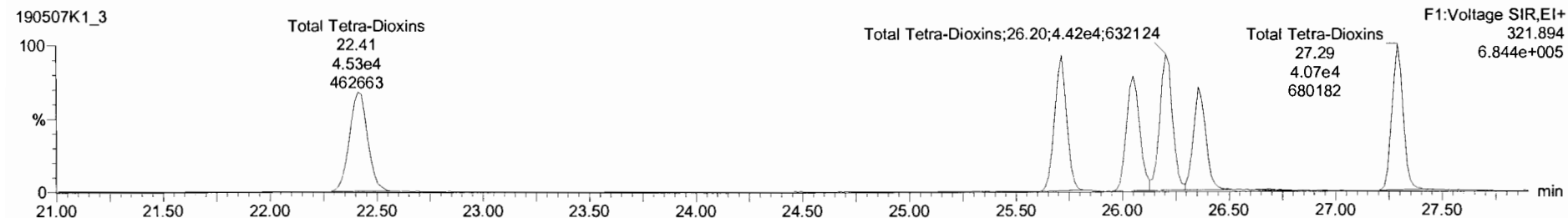
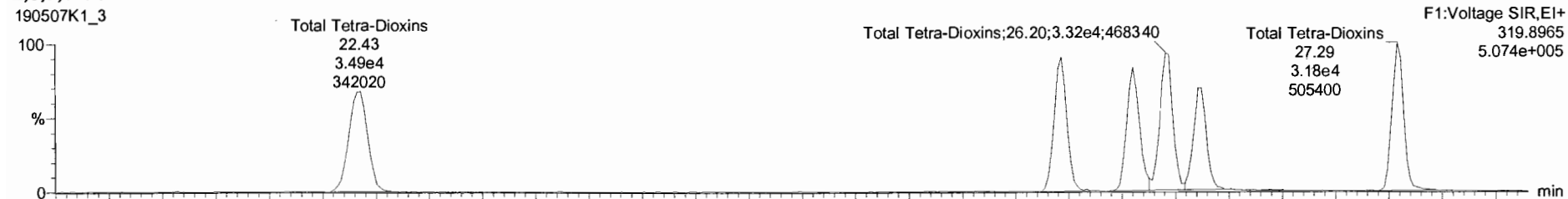
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

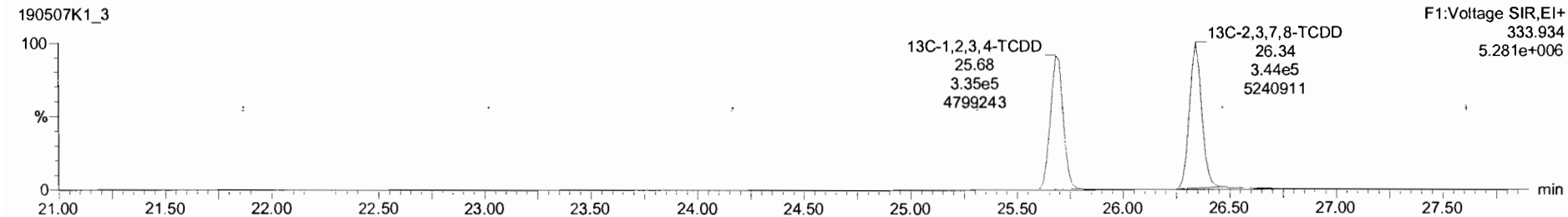
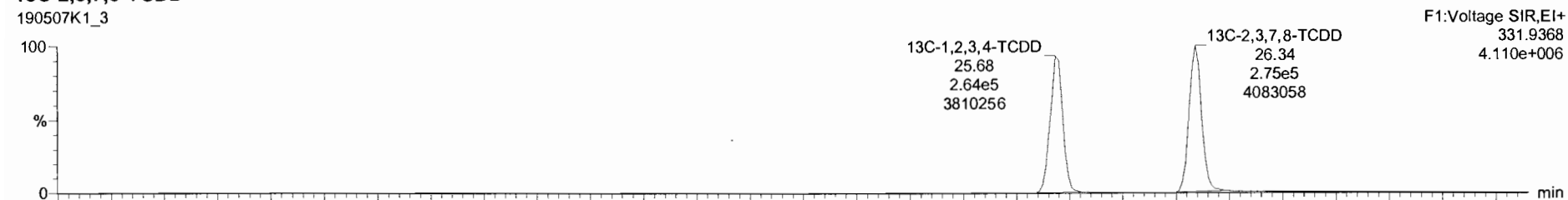
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

2,3,7,8-TCDD



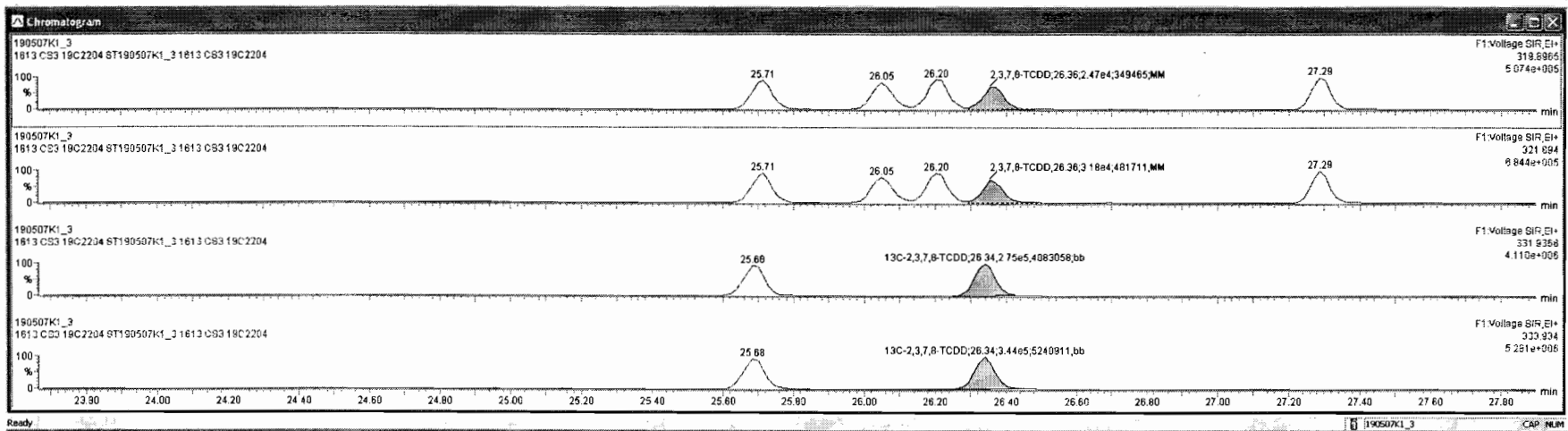
13C-2,3,7,8-TCDD



TargetLynx - 190507K1_CRW.gld

190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Name	Resp	RA	NV	RRF	wt/Vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.65e4	0.79	NO	0.92	1.000	26.36	1.001	9.97	96.7	0.0600	9.87
2 1,2,3,7,8-PeCDD	1.80e5	0.83	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3 1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4 1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.308	48.5
5 1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6 1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7 OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8 2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0657	9.59
9 1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	98.7	0.135	49.4
10 2,3,4,7,8-PeCDF	3.17e5	1.56	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.148	49.7
11 1,2,3,4,7,8-HxCDF	2.69e5	1.25	NO	1.24	1.000	33.58	1.001	48.1	98.2	0.274	48.1
12 1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13 2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.267	51.0
14 1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15 1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16 1,2,3,4,7,8,9-HpCDF	1.69e5	1.10	NO	1.26	1.000	38.87	1.000	46.6	93.2	0.350	46.6
17 OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18 13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	98.4	0.276	
19 13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20 13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.85	1.000	34.41	1.014	102	102	0.543	
21 13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.68	1.000	34.80	1.025	102	102	0.529	
23 13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	



Dataset: Untitled

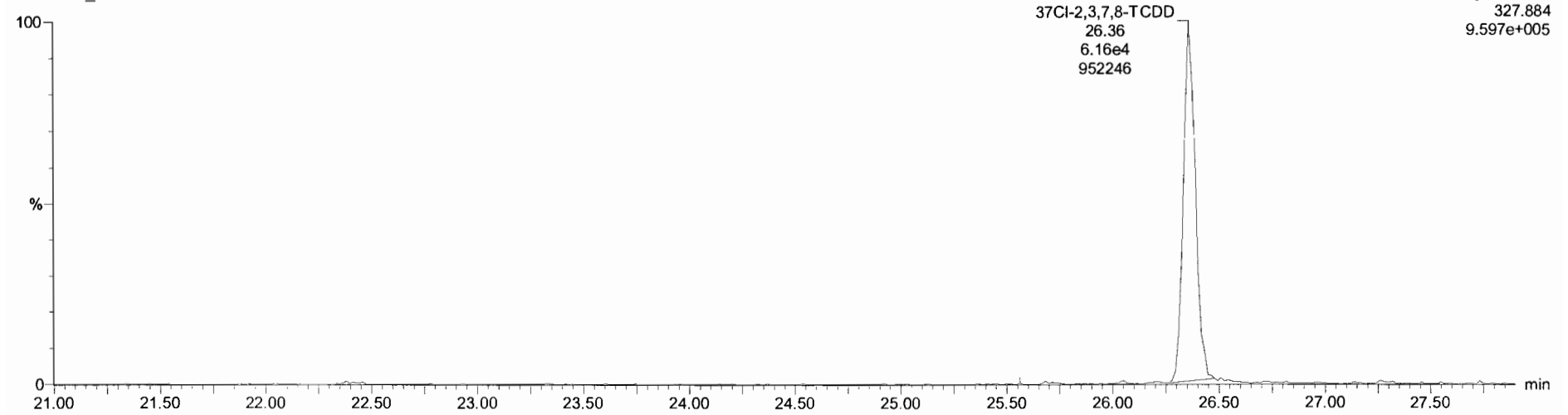
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

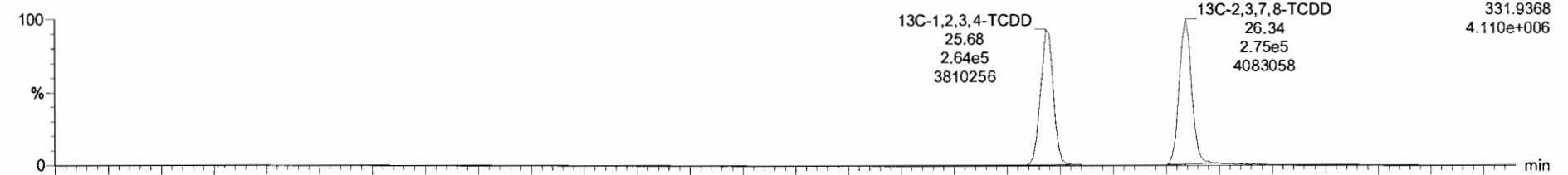
37Cl-2,3,7,8-TCDD

190507K1_3

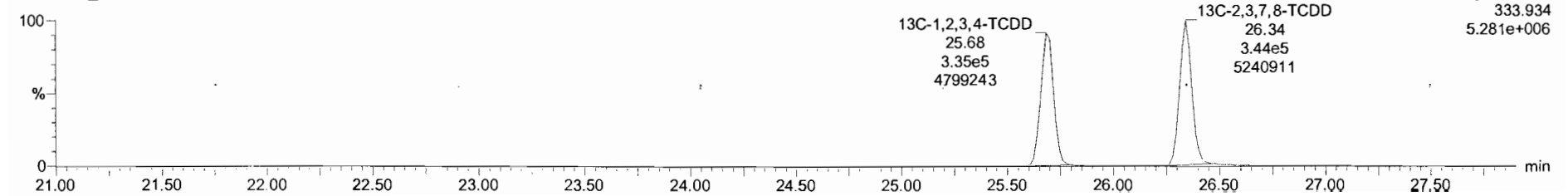


13C-1,2,3,4-TCDD

190507K1_3



190507K1_3



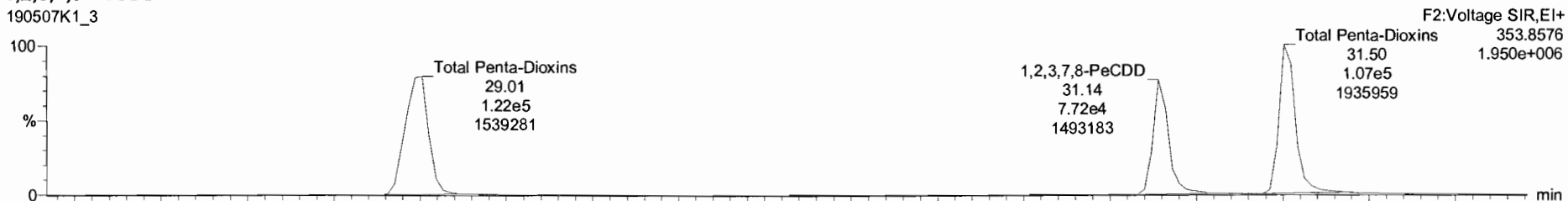
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

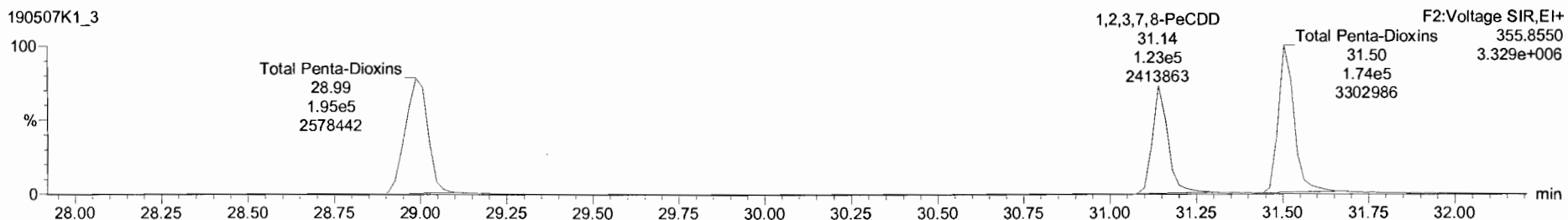
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,7,8-PeCDD

190507K1_3

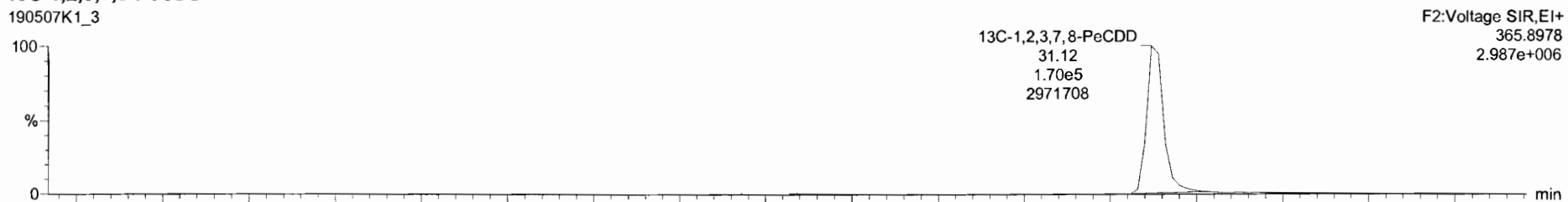


190507K1_3

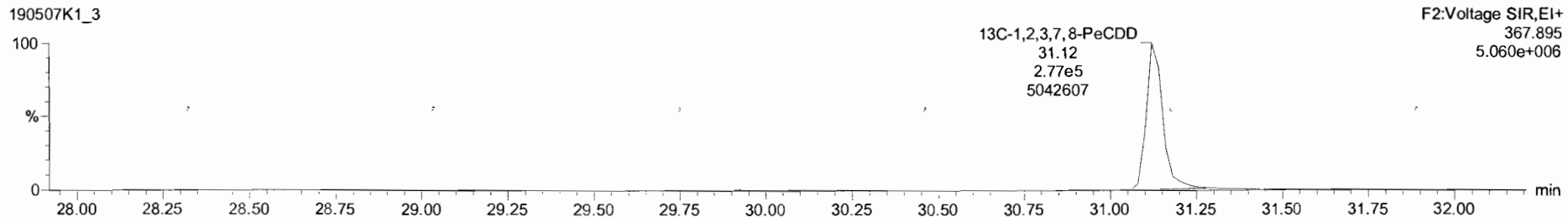


13C-1,2,3,7,8-PeCDD

190507K1_3



190507K1_3

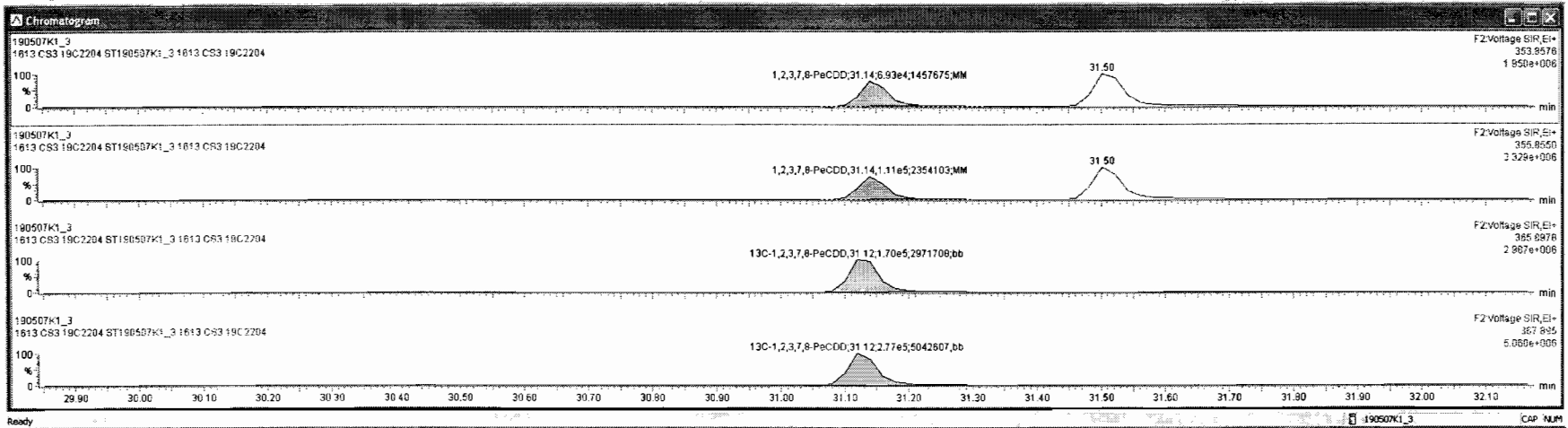


TargetLynx - 190507K1.CRV.qid

File Edit View Display Processing Window Help

190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Name	Resp	RA	nV	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	98.7	0.0900	9.87
2 1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.80	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3 1,2,3,4,7,8-HxCDD	1.76e5	1.26	NO	1.07	1.000	34.42	1.000	49.0	96.0	0.299	49.0
4 1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.308	48.5
5 1,2,3,7,8-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6 1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7 OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8 2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9 1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.81	1.001	49.4	96.7	0.135	49.4
10 2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	98.5	0.149	49.7
11 1,2,3,4,7,8-HxCDF	2.68e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	98.2	0.274	49.1
12 1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13 2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14 1,2,3,7,8-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15 1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16 1,2,3,4,7,8-HpCDF	1.68e5	1.10	NO	1.26	1.000	38.87	1.000	46.6	93.2	0.350	46.6
17 OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18 13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	98.4	0.275	
19 13C-1,2,3,7,8-PeCDD	4.47e5	0.81	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20 13C-1,2,3,4,7,8-HxCDD	3.38e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21 13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22 13C-1,2,3,7,8-HxCDD	3.44e5	1.18	NO	0.66	1.000	34.80	1.025	102	102	0.529	
23 13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	



Dataset: Untitled

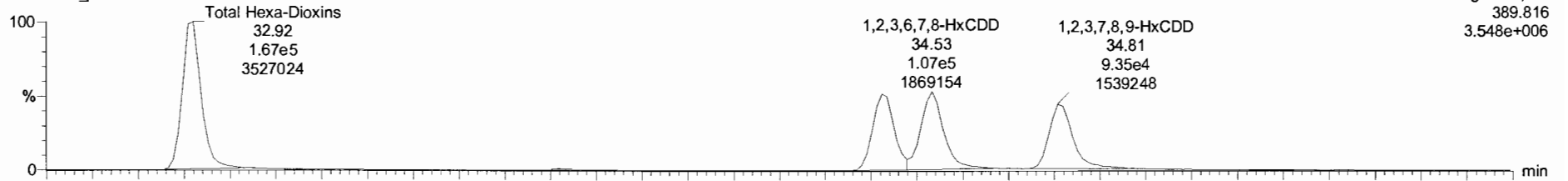
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

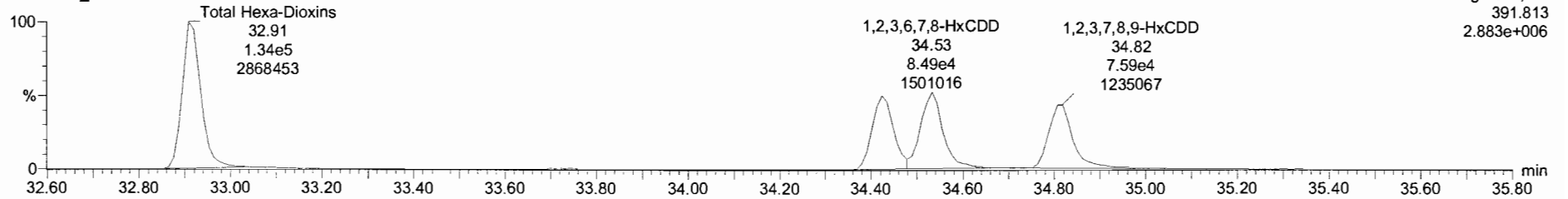
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,7,8-HxCDD

190507K1_3

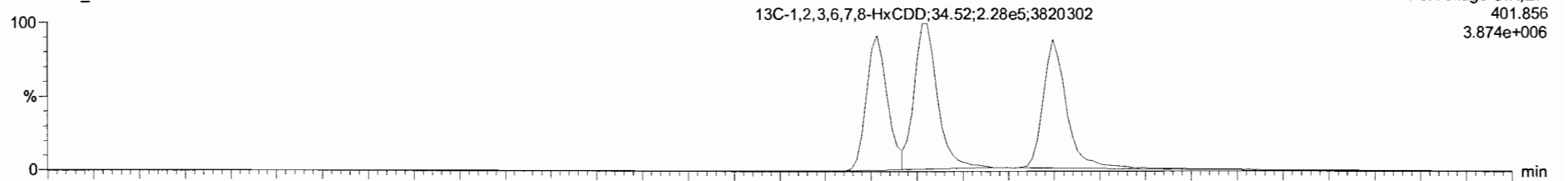


190507K1_3

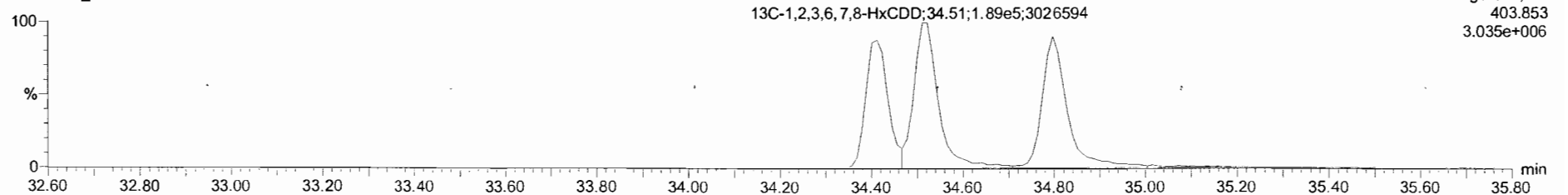


13C-1,2,3,4,7,8-HxCDD

190507K1_3



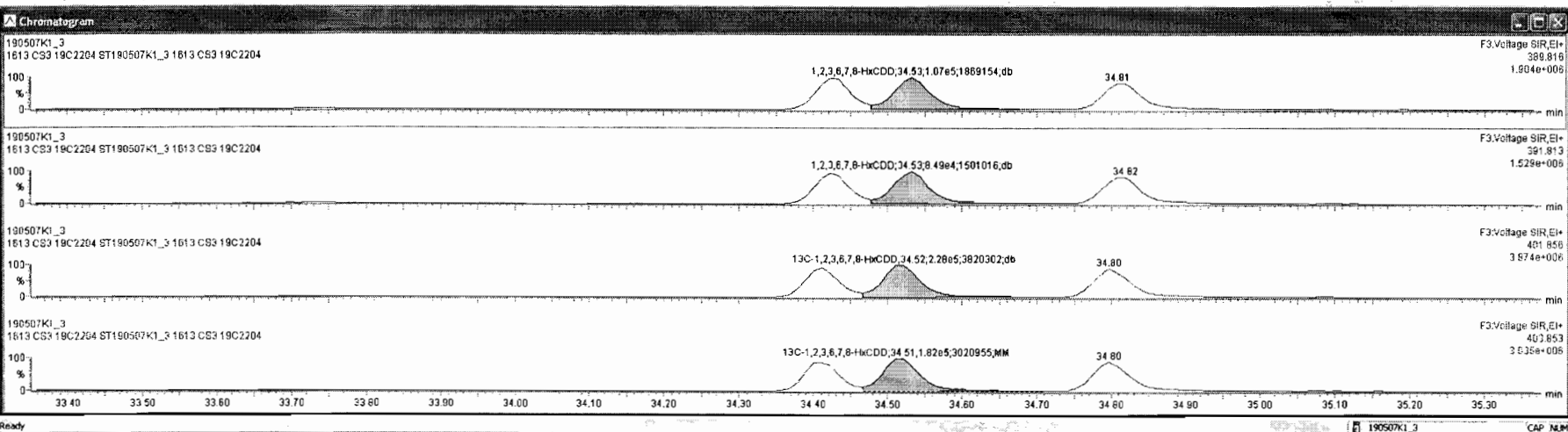
190507K1_3



Target: ymx - 190507K1_CRV.qld

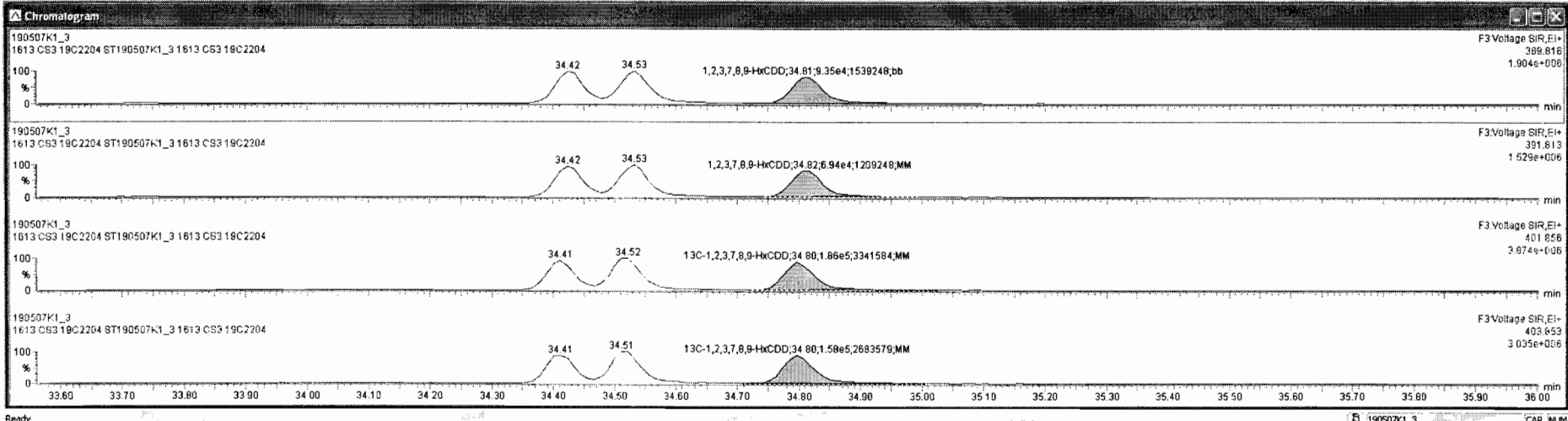
190507K1_3 - ST:190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Peak	Name	Resp	RA	n/y	RRF	WAcq	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	25.36	1.001	9.87	96.7	0.0900	9.87
2	1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3	1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4	1,2,3,6,7,8-HxCDD	1.92e5	1.28	NO	0.97	1.000	34.53	1.006	46.5	97.0	0.308	46.5
5	1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6	1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7	OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8	2,3,7,8-TCDF	7.75e4	0.79	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9	1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	98.7	0.135	49.4
10	2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.145	49.7
11	1,2,3,4,7,8-HxCDF	2.69e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	98.2	0.274	49.1
12	1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.89	1.000	50.6	101	0.280	50.6
13	2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14	1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15	1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16	1,2,3,4,7,8,9-HpCDF	1.89e5	1.10	NO	1.26	1.000	38.87	1.000	46.8	93.2	0.350	46.5
17	OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18	13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	25.34	1.026	98.4	98.4	0.276	
19	13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20	13C-1,2,3,4,7,8-PeCDD	3.38e5	1.24	NO	0.85	1.000	34.41	1.014	102	102	0.543	
21	13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.86	1.000	34.80	1.025	102	102	0.529	
23	13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	36.31	1.126	100	100	0.557	



190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Line	Name	Resp	RA	dy	RF	WtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	98.7	0.0900	9.87
2	1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3	1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4	1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	46.5	97.0	0.308	46.5
5	1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6	1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7	OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8	2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9	1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	98.7	0.135	49.4
10	1,2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11	1,2,3,4,7,8-HxCDF	2.69e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	98.2	0.274	49.1
12	1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13	2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14	1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15	1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16	1,2,3,4,7,8,9-HpCDF	1.69e5	1.10	NO	1.26	1.000	38.87	1.000	46.6	93.2	0.350	46.6
17	OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18	13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	28.34	1.026	98.4	98.4	0.276	
19	13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20	13C-1,2,3,4,7,8-HxCDD	3.38e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21	13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.66	1.000	34.80	1.025	102	102	0.529	
23	13C-1,2,3,4,6,7,8-HpCDD	2.78e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	



Dataset: Untitled

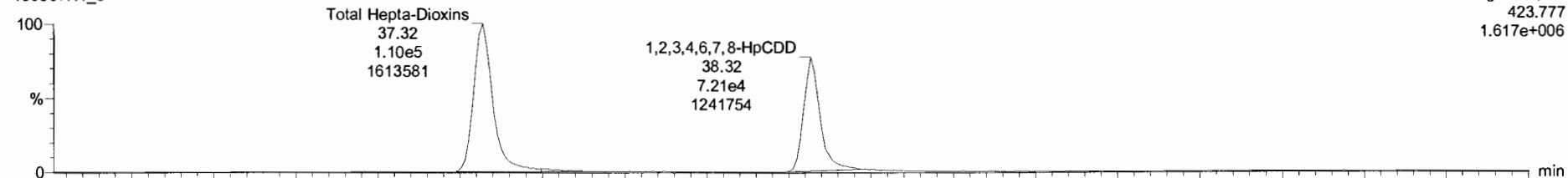
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

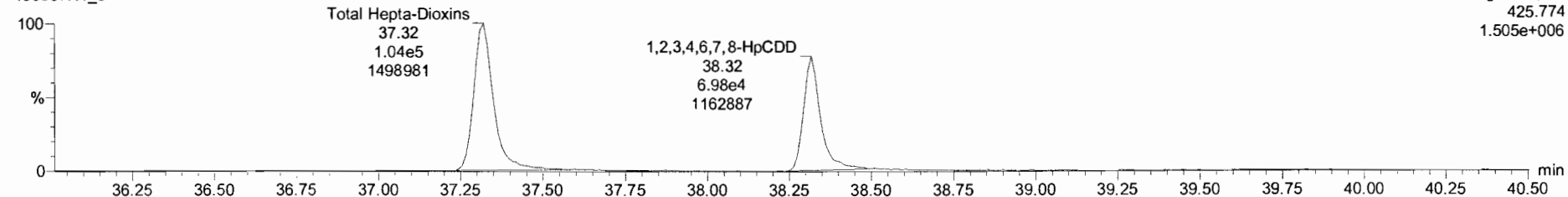
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,6,7,8-HpCDD

190507K1_3

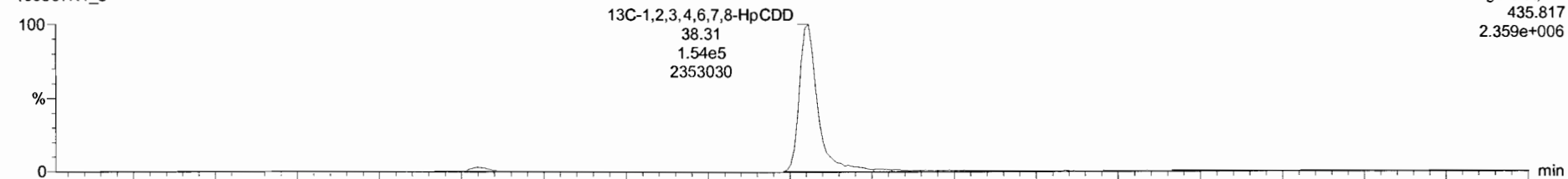


190507K1_3

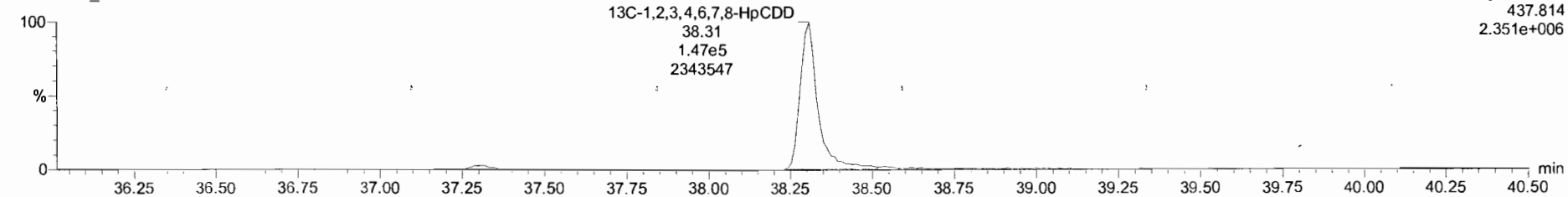


13C-1,2,3,4,6,7,8-HpCDD

190507K1_3

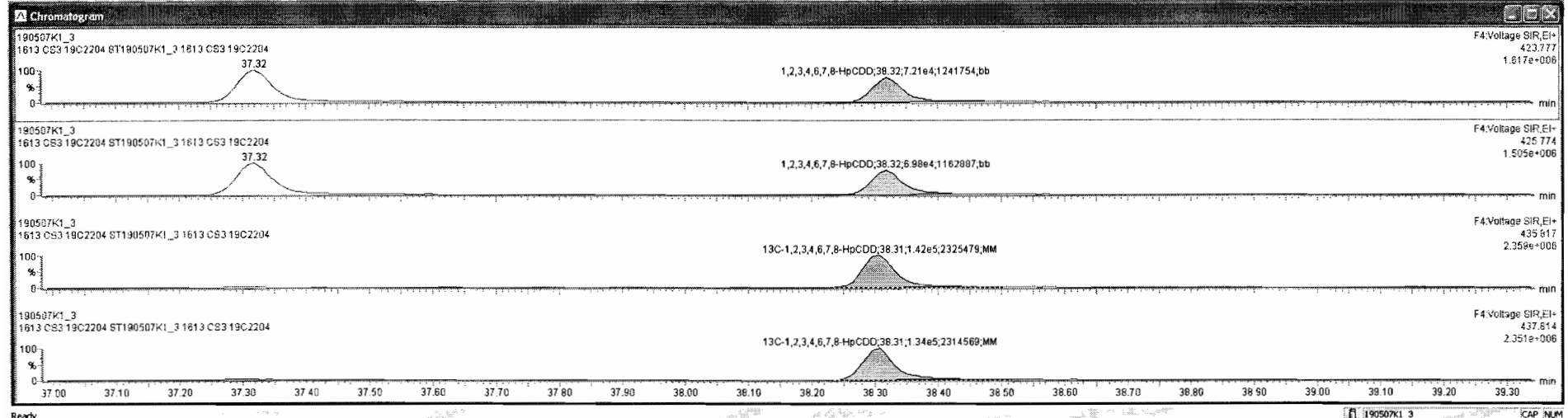
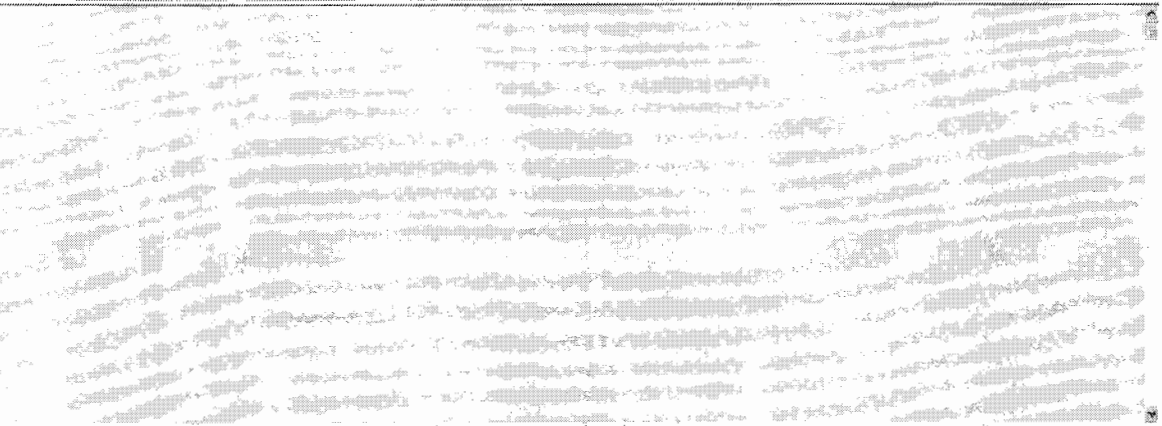


190507K1_3



190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Name	Resp	RA	RY	RRF	wVoi	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.85e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	98.7	0.0800	9.87
2 1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	69.0	0.154	44.5
3 1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	88.0	0.299	49.0
4 1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.308	48.5
5 1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6 1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7 OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8 2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	85.9	0.0857	9.59
9 1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	98.7	0.135	49.4
10 2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11 1,2,3,4,7,8-HxCDF	2.69e5	1.25	NO	1.24	1.000	33.58	1.001	49.1	99.2	0.274	49.1
12 1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13 2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14 1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15 1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16 1,2,3,4,7,8,9-HpCDF	1.69e5	1.10	NO	1.28	1.000	38.87	1.000	46.6	93.2	0.350	46.6
17 OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18 13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	98.4	0.276	
19 13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20 13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21 13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.68	1.000	34.80	1.025	102	102	0.529	
23 13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

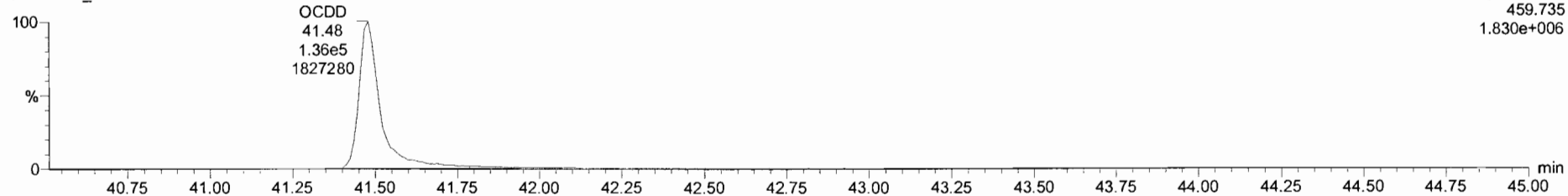
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

OCDD

190507K1_3

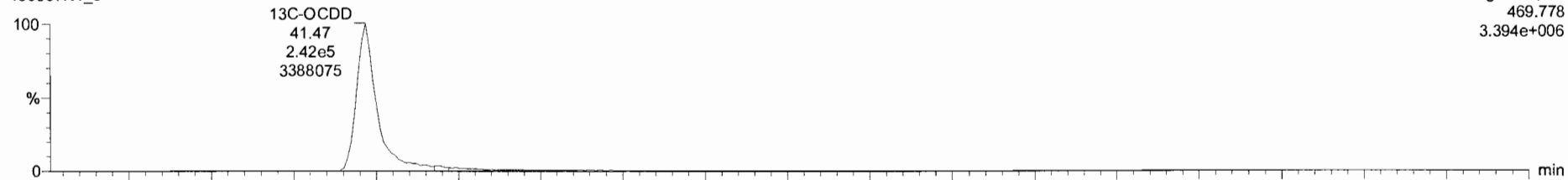


190507K1_3

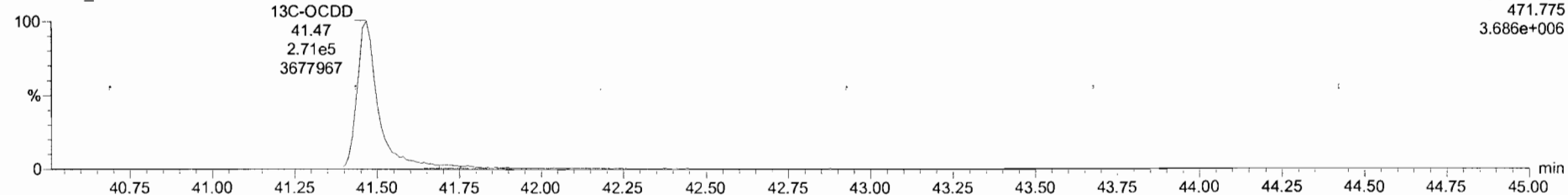


13C-OCDD

190507K1_3



190507K1_3

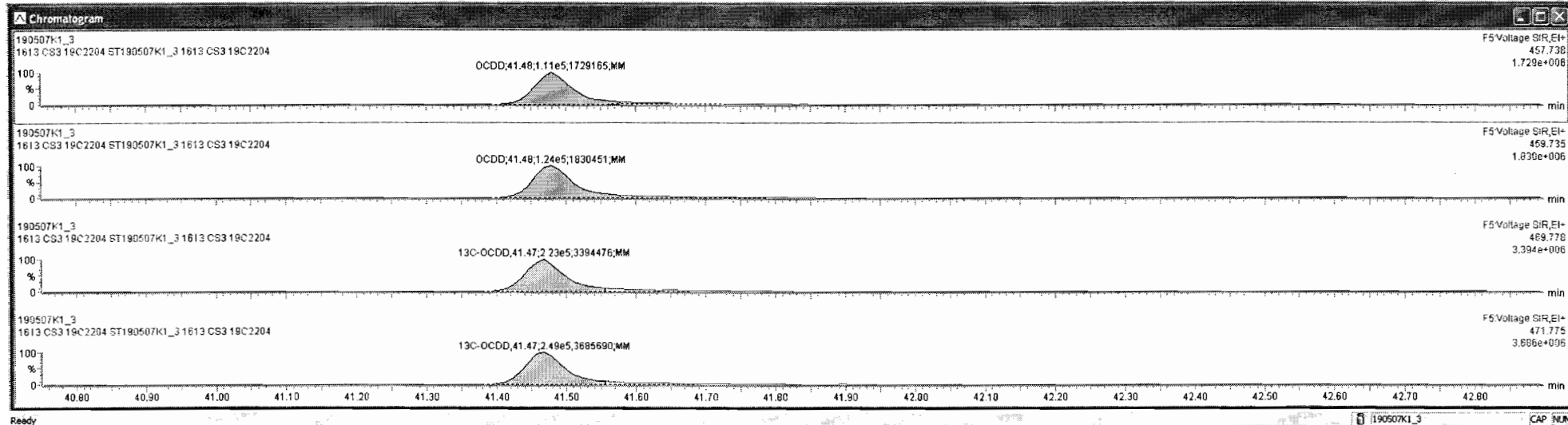


TargetLynx - 190507K1 - CRV.qld

File Edit View Display Processing Window Help

190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Name	Resp	RA	nly	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.97	96.7	0.0900	9.87
2 1,2,3,7,8-PeCDD	1.80e5	0.83	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3 1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4 1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.306	48.5
5 1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6 1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7 OCDD	2.35e5	0.80	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8 2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9 1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	96.7	0.135	49.4
10 2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	98.5	0.148	49.7
11 1,2,3,4,7,8-HxCDF	2.69e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	98.2	0.274	49.1
12 1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.88	1.000	50.6	101	0.280	50.6
13 2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.16	1.000	34.27	1.001	51.0	102	0.287	51.0
14 1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15 1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16 1,2,3,4,7,8,9-HpCDF	1.89e5	1.10	NO	1.26	1.000	38.87	1.000	46.6	93.2	0.360	46.6
17 OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18 13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	96.4	0.276	
19 13C-1,2,3,7,8-PeCDD	4.47e5	0.81	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20 13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21 13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.86	1.000	34.60	1.025	102	102	0.529	
23 13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	

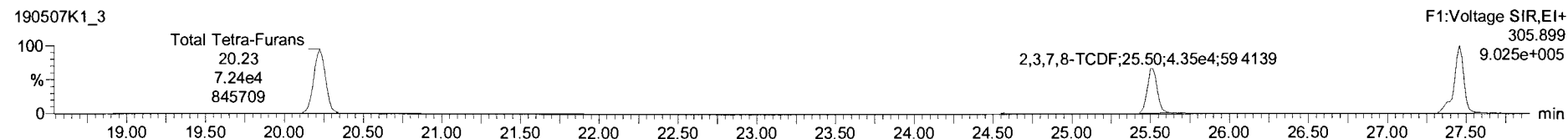


Dataset: Untitled

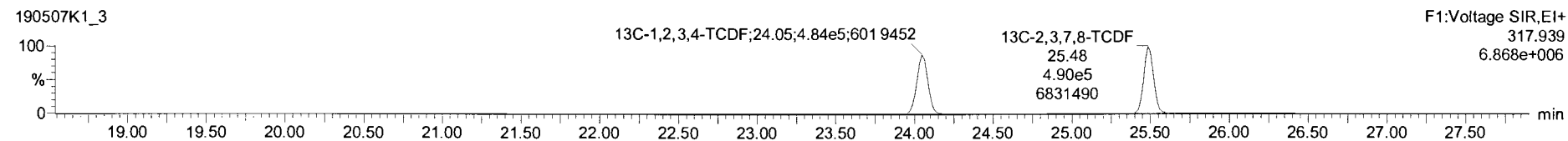
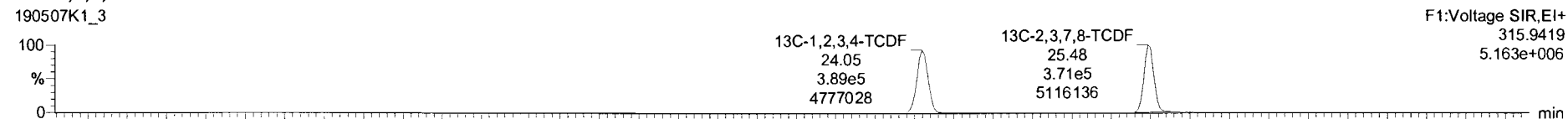
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

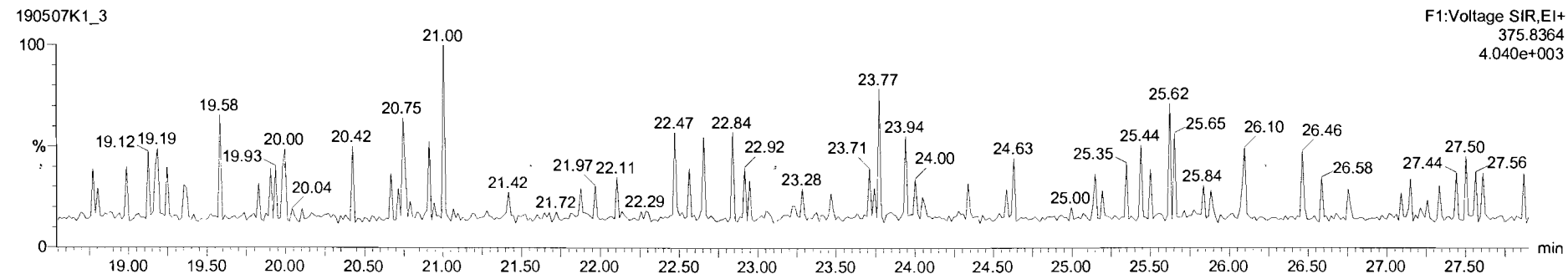
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1



Dataset: Untitled

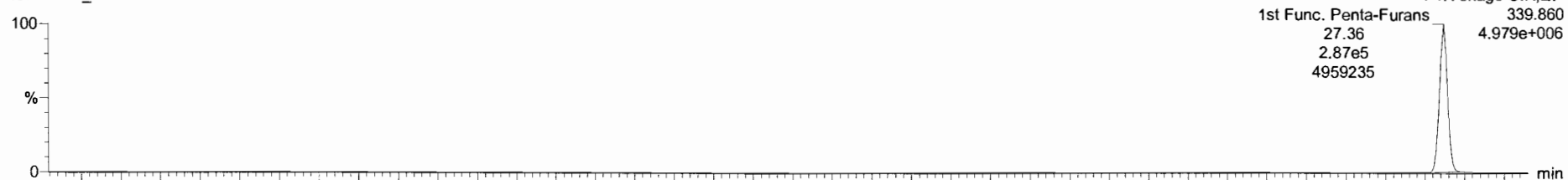
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

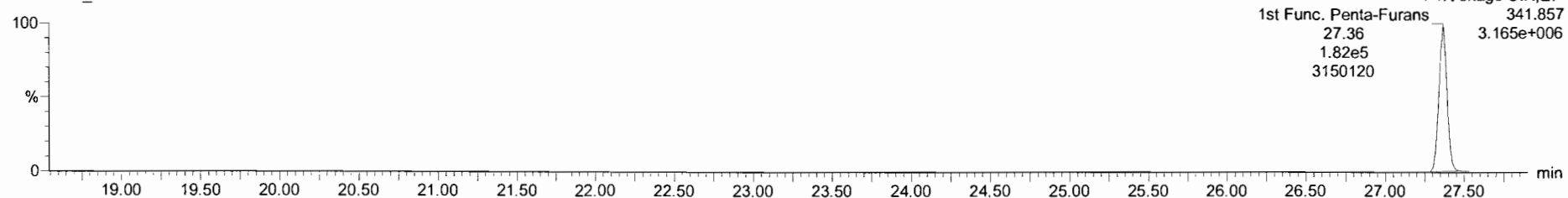
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1st Func. Penta-Furans

190507K1_3

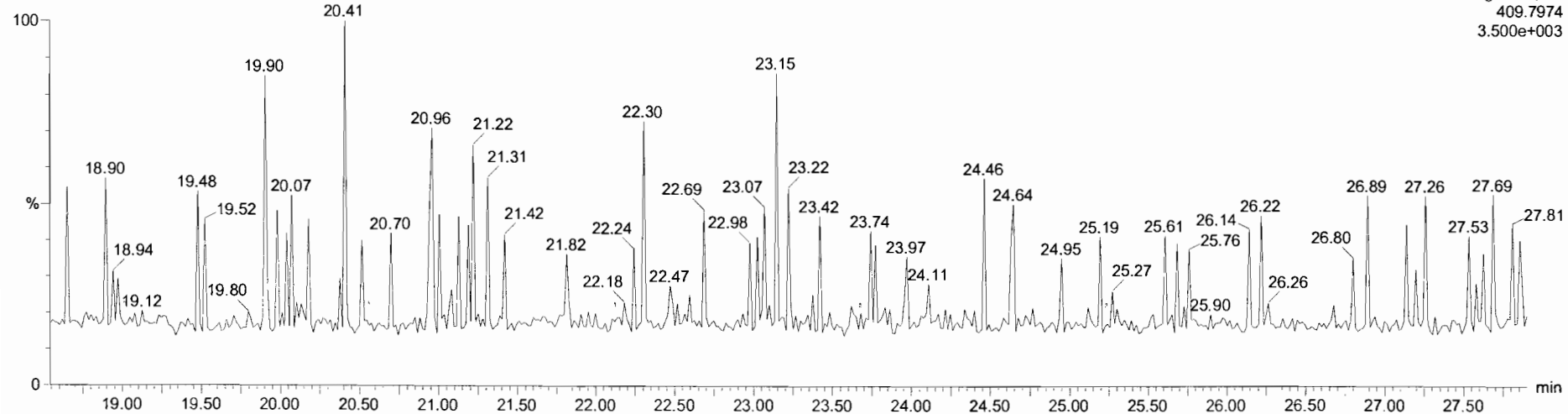


190507K1_3



DPE6

190507K1_3



Dataset: Untitled

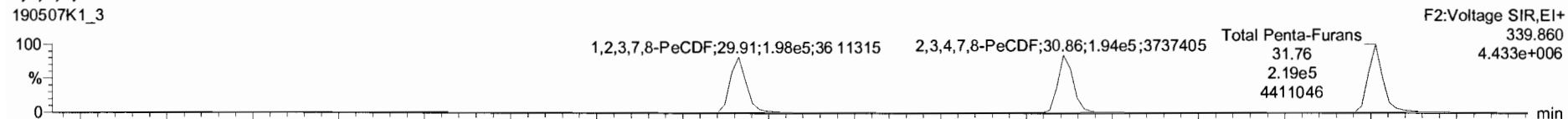
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

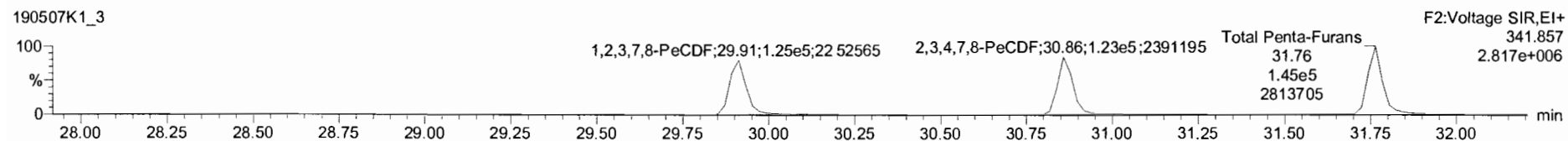
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,7,8-PeCDF

190507K1_3

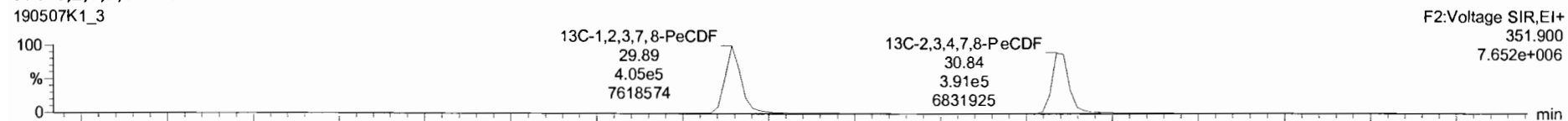


190507K1_3

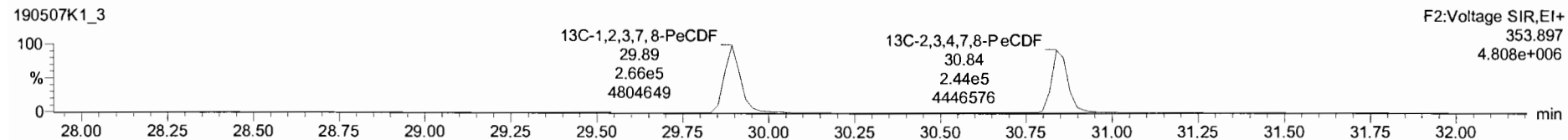


13C-1,2,3,7,8-PeCDF

190507K1_3

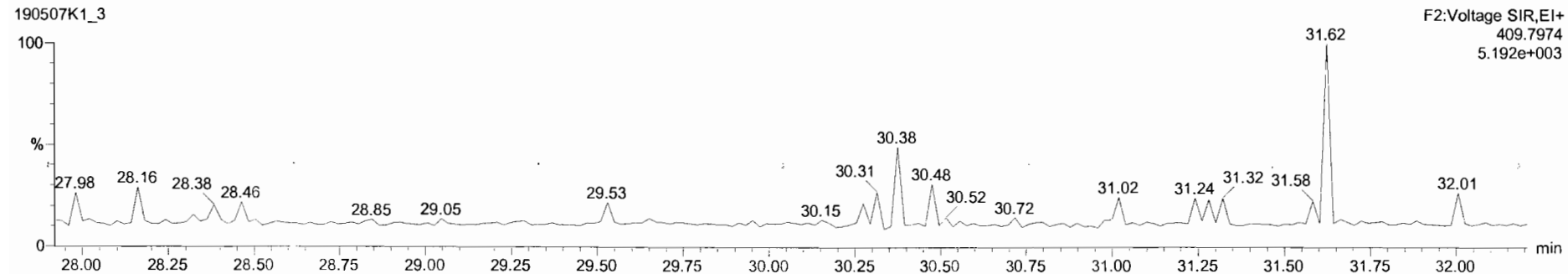


190507K1_3



DPE2

190507K1_3



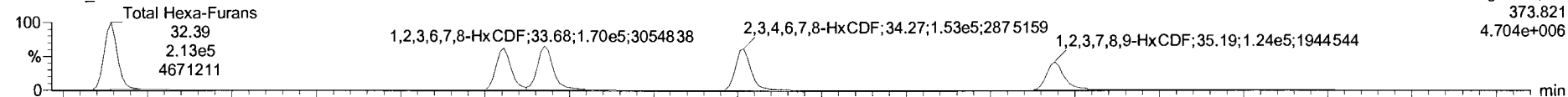
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

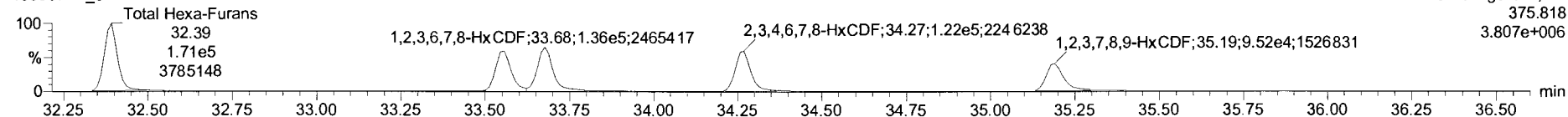
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

1,2,3,4,7,8-HxCDF

190507K1_3

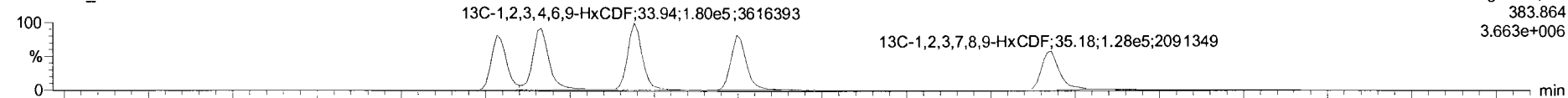


190507K1_3

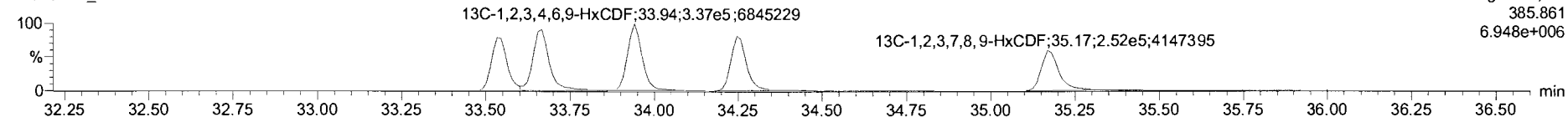


13C-1,2,3,4,7,8-HxCDF

190507K1_3

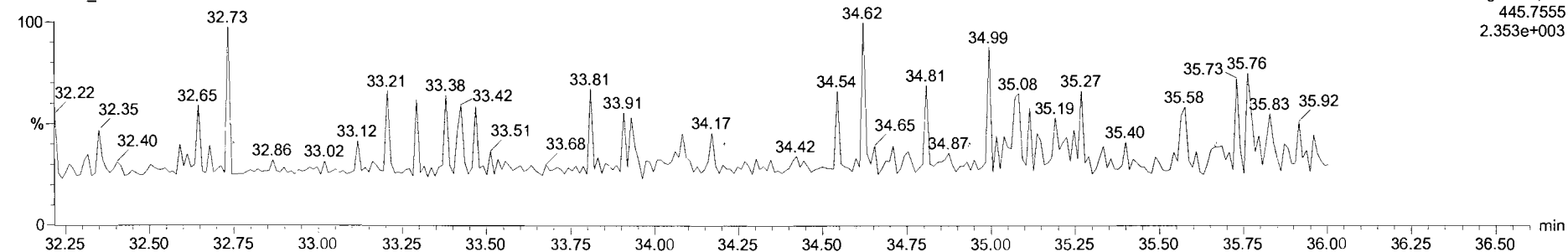


190507K1_3



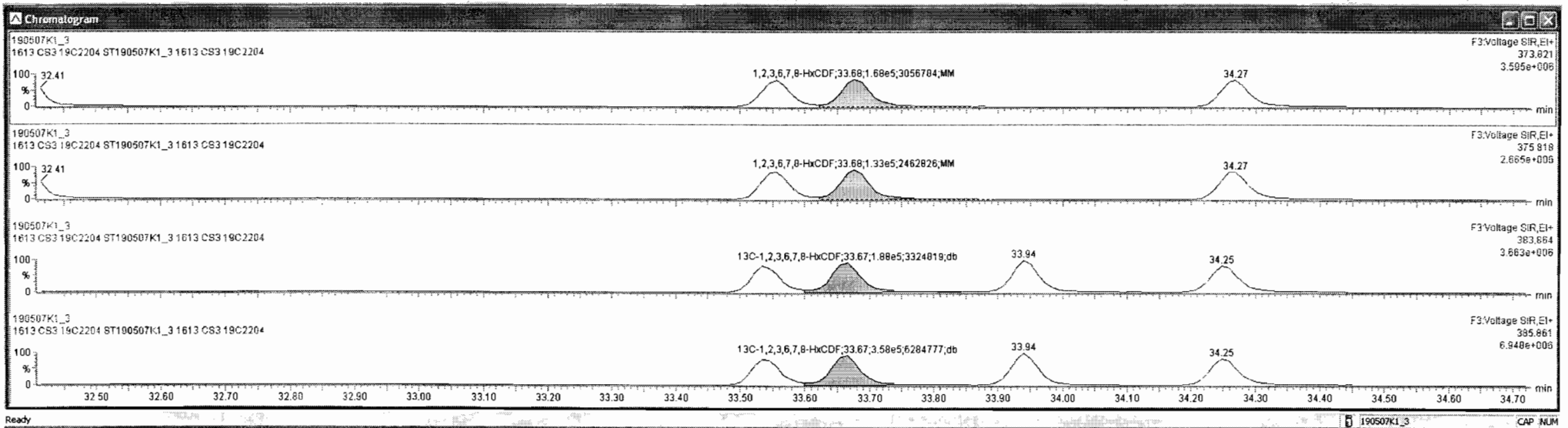
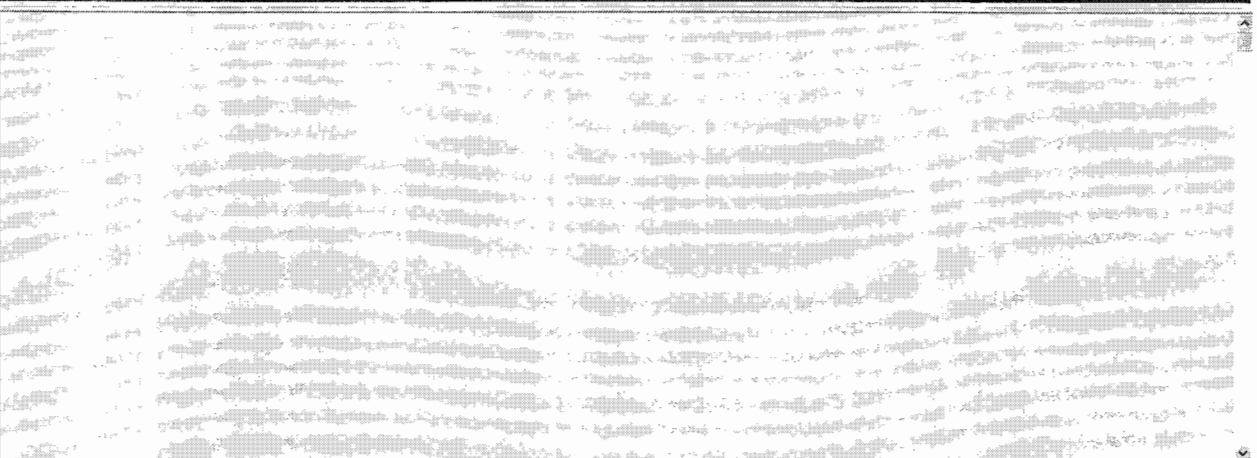
DPE3

190507K1_3



190507K1_3 - ST 190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Name	Resp	RA	nNy	RRF	wtVol	RT	PRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.85e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	98.7	0.0900	9.87
2 1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	99.0	0.154	44.5
3 1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	96.0	0.299	49.0
4 1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.306	48.5
5 1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.61	1.000	48.7	97.3	0.340	48.7
6 1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7 OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8 2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9 1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	96.7	0.135	49.4
10 2,3,4,7,8-HxCDF	3.17e5	1.59	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11 1,2,3,4,7,8-HxCDF	2.69e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	98.2	0.274	49.1
12 1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13 2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14 1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15 1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16 1,2,3,4,7,8,9-HpCDF	1.69e5	1.10	NO	1.26	1.000	38.87	1.000	46.6	93.2	0.350	46.6
17 OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18 1,3C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.028	98.4	98.4	0.276	
19 1,3C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20 1,3C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.85	1.000	34.41	1.014	102	102	0.543	
21 1,3C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22 1,3C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.66	1.000	34.80	1.025	102	102	0.529	
23 1,3C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	

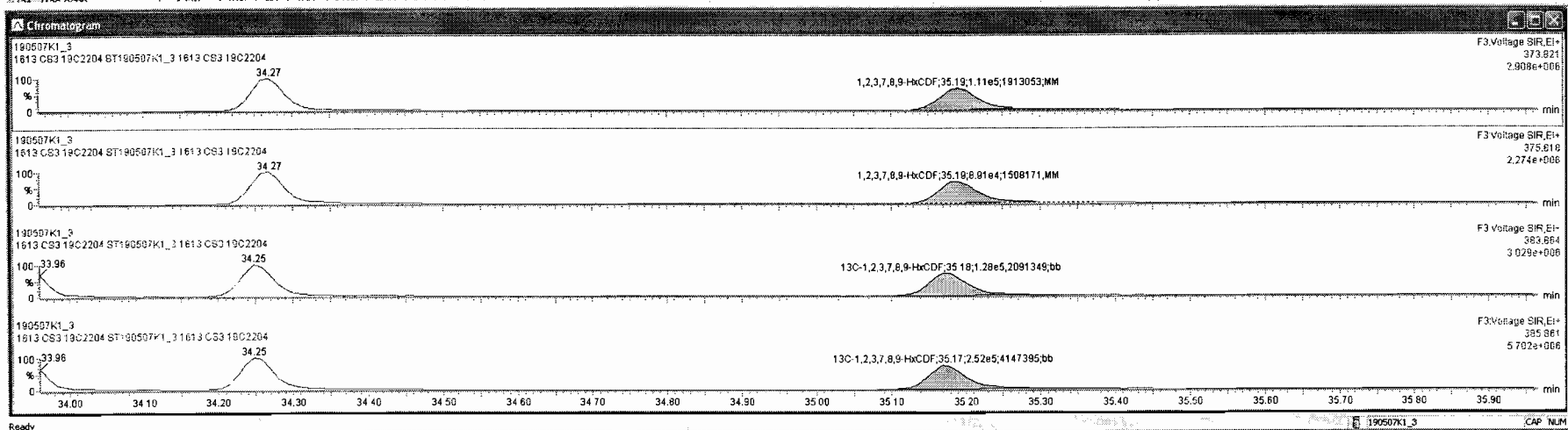


Target: ymx - 190507K1_CRV.qld

File Edit View Display Processing Window Help

190507K1_3 ST:190507K1_3 1613 CS3 19C2204 1613 CS3 19C2204

Name	Resp	RA	NY	RRF	WtVol	RT	RR1	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	98.7	0.0900	9.87
2 1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3 1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4 1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	46.5	97.0	0.308	46.5
5 1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6 1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7 OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8 2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9 1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	98.7	0.135	49.4
10 2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11 1,2,3,4,7,8-HxCDF	2.89e5	1.25	NO	1.24	1.000	33.58	1.001	49.1	98.2	0.274	49.1
12 1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13 2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14 1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15 1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16 1,2,3,4,7,8,9-HpCDF	1.89e5	1.10	NO	1.26	1.000	38.87	1.000	46.6	93.2	0.350	46.6
17 OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18 13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	98.4	0.276	
19 13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20 13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21 13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22 13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.66	1.000	34.80	1.025	102	102	0.529	
23 13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	

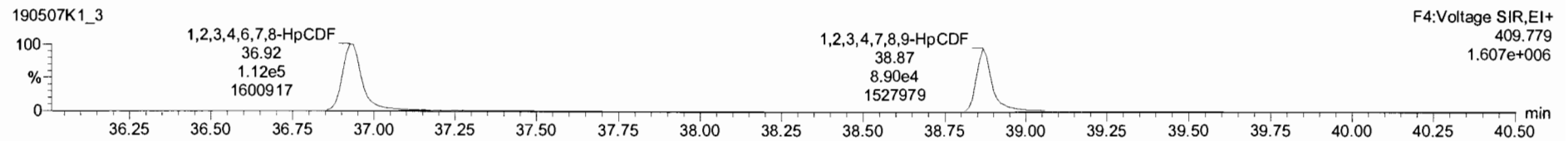
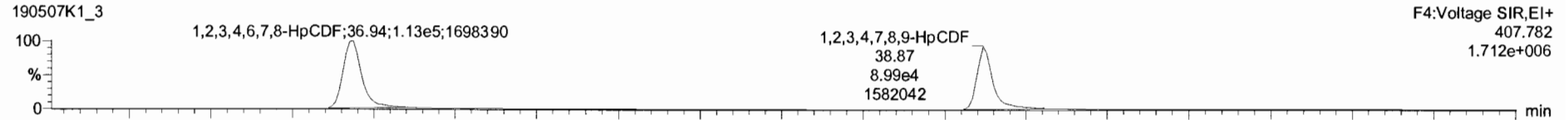


Dataset: Untitled

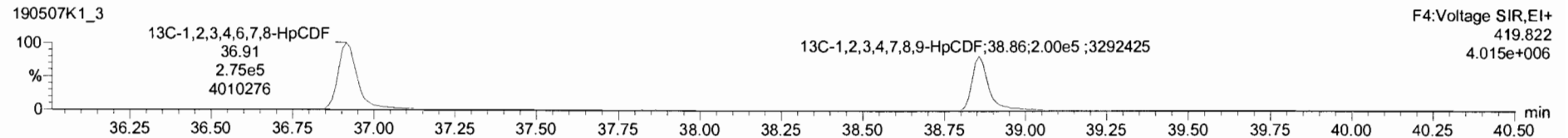
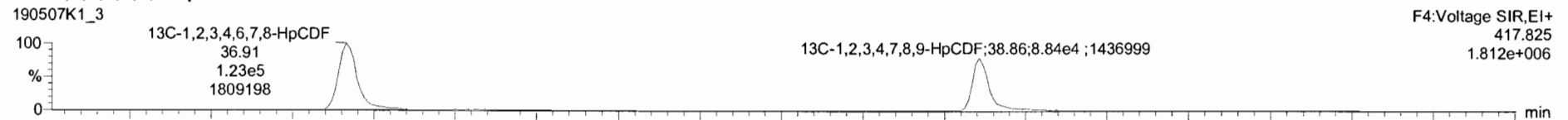
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

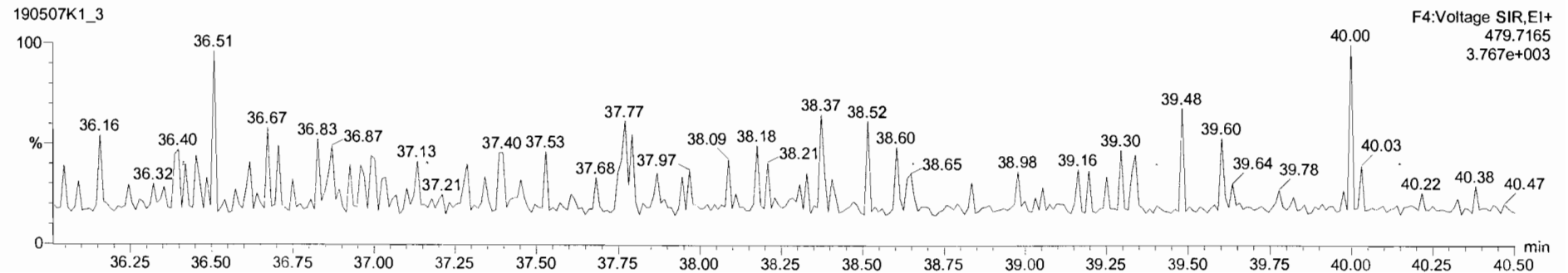
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

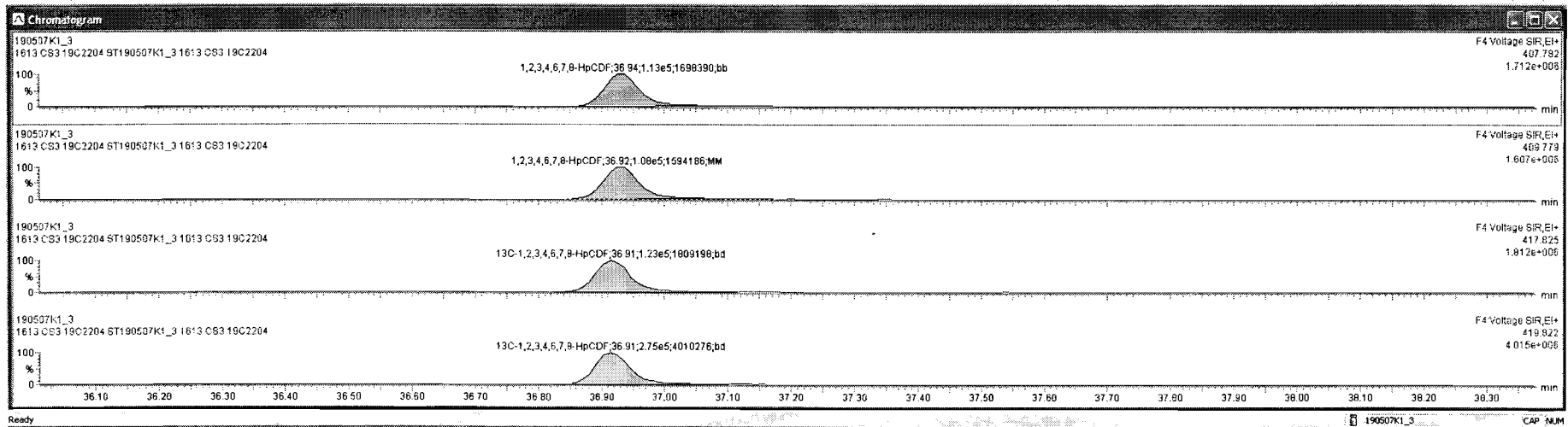


Target: ynx - 190507K1-CRV.qld

File Edit View Display Processing Window Help

190507K1_3-ST190507K1_3_1613 CS3 19C2204 - 1613 CS3 19C2204

SL	Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	98.7	0.0900	9.87
2	1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3	1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4	1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.308	48.5
5	1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.61	1.000	48.7	97.3	0.340	48.7
6	1,2,3,4,6,7,8-HxCDD	1.42e5	1.03	NO	1.03	1.000	36.32	1.000	50.1	100	0.364	50.1
7	OCDF	2.35e5	0.90	NO	0.97	1.000	41.46	1.000	103	103	0.327	103
8	2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0657	9.59
9	1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	98.7	0.135	49.4
10	2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11	1,2,3,4,7,8-HxCDF	2.89e5	1.25	NO	1.24	1.000	33.96	1.001	49.1	98.2	0.274	49.1
12	1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13	2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14	1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15	1,2,3,4,6,7,8-HpCDF	2.22e5	1.05	NO	1.13	1.000	36.54	1.001	49.3	98.5	0.311	49.3
16	1,2,3,4,7,8,9-HpCDF	1.89e5	1.10	NO	1.26	1.000	38.67	1.000	46.6	93.2	0.350	46.6
17	OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18	13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	98.4	0.276	
19	13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20	13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21	13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.66	1.000	34.80	1.025	102	102	0.529	
23	13C-1,2,3,4,6,7,8-HpCDD	2.78e5	1.05	NO	0.54	1.000	36.31	1.129	100	100	0.557	

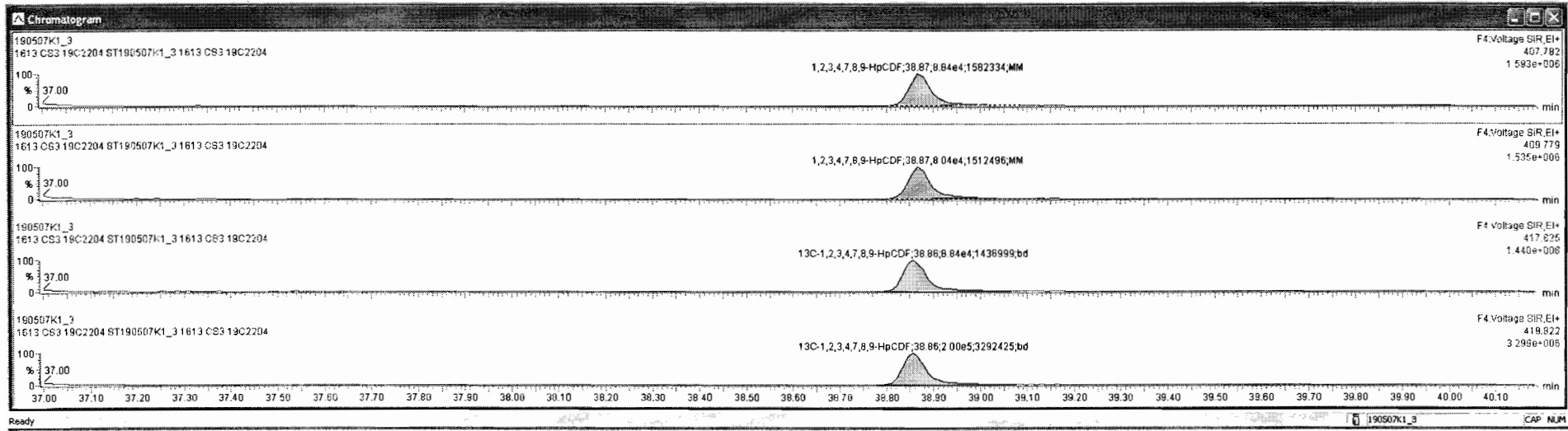


Target: ynx - 190507K1_CRV.qid

File Edit View Display Processing Window Help

190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

#	Name	Resp	RA	nly	RRF	wtVol	RT	RR1	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.87	96.7	0.0900	9.87
2	1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3	1,2,3,4,7,8-HxCDD	1.78e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4	1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.308	48.5
5	1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6	1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	38.32	1.000	50.1	100	0.364	50.1
7	OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8	2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.58	95.9	0.0857	9.58
9	1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	99.7	0.135	49.4
10	2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11	1,2,3,4,7,8-HxCDF	2.89e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	99.2	0.274	49.1
12	1,2,3,6,7,8-HxCDF	3.02e5	1.25	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13	2,3,4,6,7,8-HxCDF	2.75e5	1.25	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14	1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	98.2	0.443	49.1
15	1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	98.5	0.311	49.3
16	1,2,3,4,7,8,9-HpCDF	1.89e5	1.10	NO	1.26	1.000	38.97	1.000	46.6	93.2	0.350	46.6
17	OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	90.4	90.4	0.372	90.4
18	13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	98.4	98.4	0.276	
19	13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20	13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.65	1.000	34.41	1.014	102	102	0.543	
21	13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.66	1.000	34.80	1.025	102	102	0.529	
23	13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

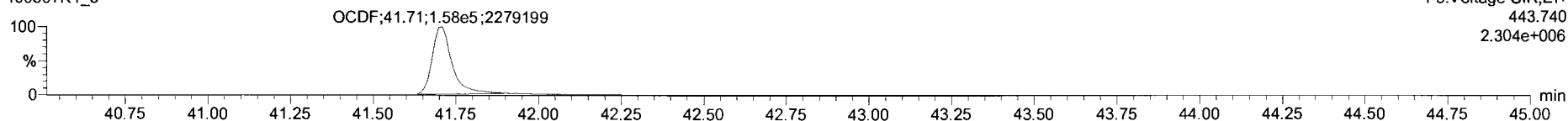
Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

OCDF

190507K1_3

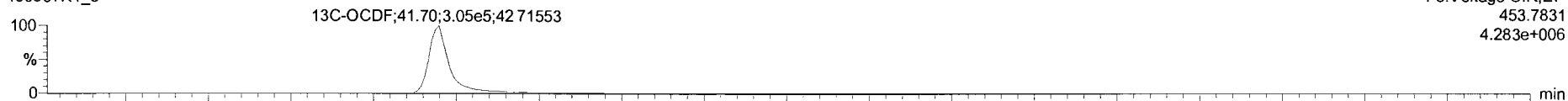


190507K1_3

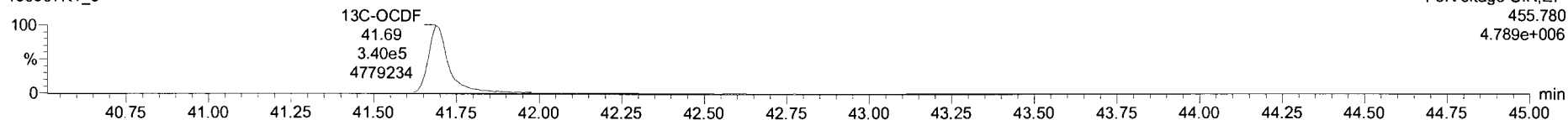


13C-OCDF

190507K1_3

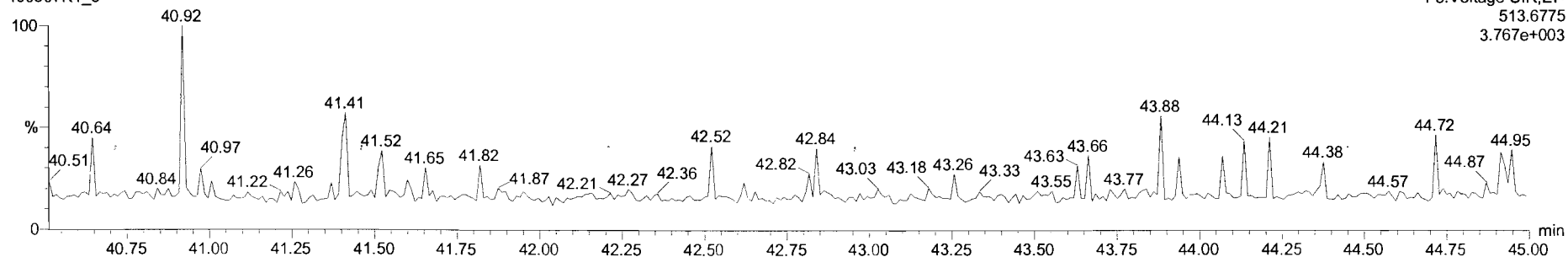


190507K1_3



DPE5

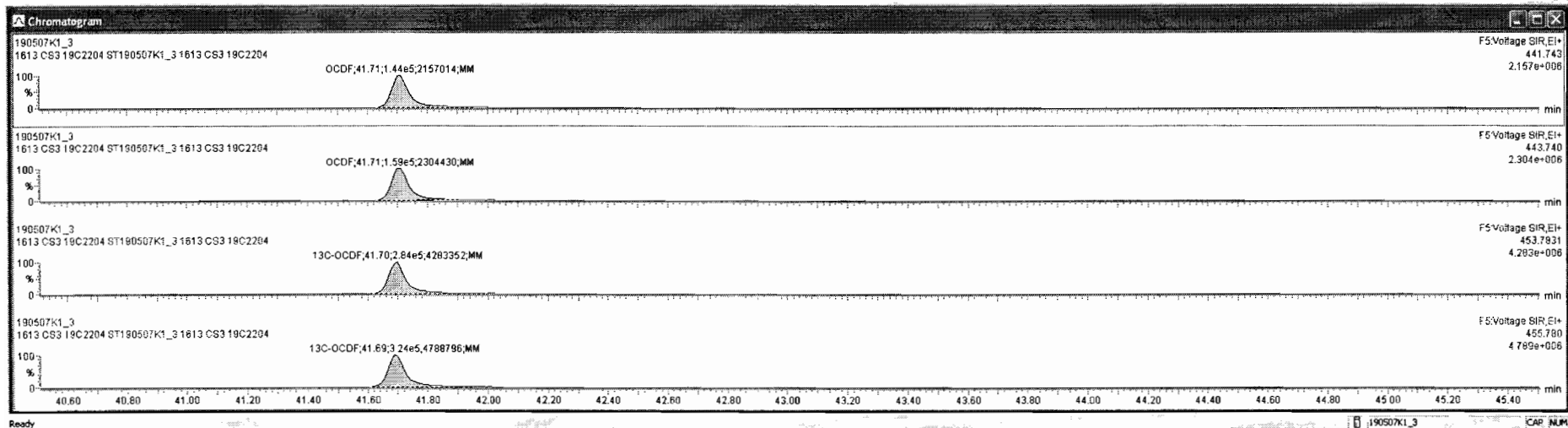
190507K1_3



Targetl.ynx - 190507K1.CRW.qld

190507K1_3 - ST190507K1_3 1613 CS3 19C2204 - 1613 CS3 19C2204

Name	Resp	RA	DV	RRF	WtWol	RT	RRT	Conc	%Rec	DL	EMPC	
1	2,3,7,8-TCDD	5.65e4	0.78	NO	0.92	1.000	26.36	1.001	9.97	99.7	0.0900	9.97
2	1,2,3,7,8-PeCDD	1.80e5	0.63	NO	0.90	1.000	31.14	1.001	44.5	89.0	0.154	44.5
3	1,2,3,4,7,8-HxCDD	1.76e5	1.28	NO	1.07	1.000	34.42	1.000	49.0	98.0	0.299	49.0
4	1,2,3,6,7,8-HxCDD	1.92e5	1.26	NO	0.97	1.000	34.53	1.000	48.5	97.0	0.308	48.5
5	1,2,3,7,8,9-HxCDD	1.63e5	1.35	NO	0.97	1.000	34.81	1.000	48.7	97.3	0.340	48.7
6	1,2,3,4,6,7,8-HpCDD	1.42e5	1.03	NO	1.03	1.000	39.32	1.000	50.1	100	0.364	50.1
7	OCDD	2.35e5	0.90	NO	0.97	1.000	41.48	1.000	103	103	0.327	103
8	2,3,7,8-TCDF	7.75e4	0.78	NO	0.94	1.000	25.51	1.001	9.59	95.9	0.0857	9.59
9	1,2,3,7,8-PeCDF	3.23e5	1.58	NO	0.97	1.000	29.91	1.001	49.4	99.7	0.135	49.4
10	2,3,4,7,8-PeCDF	3.17e5	1.58	NO	1.00	1.000	30.86	1.001	49.7	99.5	0.149	49.7
11	1,2,3,4,7,8-HxCDF	2.89e5	1.25	NO	1.24	1.000	33.56	1.001	49.1	99.2	0.274	49.1
12	1,2,3,6,7,8-HxCDF	3.02e5	1.26	NO	1.09	1.000	33.68	1.000	50.6	101	0.280	50.6
13	2,3,4,6,7,8-HxCDF	2.75e5	1.26	NO	1.18	1.000	34.27	1.001	51.0	102	0.287	51.0
14	1,2,3,7,8,9-HxCDF	2.00e5	1.25	NO	1.07	1.000	35.19	1.000	49.1	99.2	0.443	49.1
15	1,2,3,4,6,7,8-HpCDF	2.21e5	1.05	NO	1.13	1.000	36.94	1.001	49.3	99.5	0.311	49.3
16	1,2,3,4,7,8,9-HpCDF	1.69e5	1.10	NO	1.26	1.000	38.67	1.000	46.8	93.2	0.350	46.8
17	OCDF	3.03e5	0.90	NO	1.10	1.000	41.71	1.000	80.4	80.4	0.372	80.4
18	13C-2,3,7,8-TCDD	6.19e5	0.80	NO	1.05	1.000	26.34	1.026	99.4	99.4	0.276	
19	13C-1,2,3,7,8-PeCDD	4.47e5	0.61	NO	0.74	1.000	31.12	1.212	100	100	0.183	
20	13C-1,2,3,4,7,8-HxCDD	3.36e5	1.24	NO	0.85	1.000	34.41	1.014	102	102	0.543	
21	13C-1,2,3,6,7,8-HxCDD	4.10e5	1.25	NO	0.78	1.000	34.52	1.017	103	103	0.452	
22	13C-1,2,3,7,8,9-HxCDD	3.44e5	1.18	NO	0.86	1.000	34.80	1.025	102	102	0.529	
23	13C-1,2,3,4,6,7,8-HpCDD	2.76e5	1.05	NO	0.54	1.000	38.31	1.129	100	100	0.557	

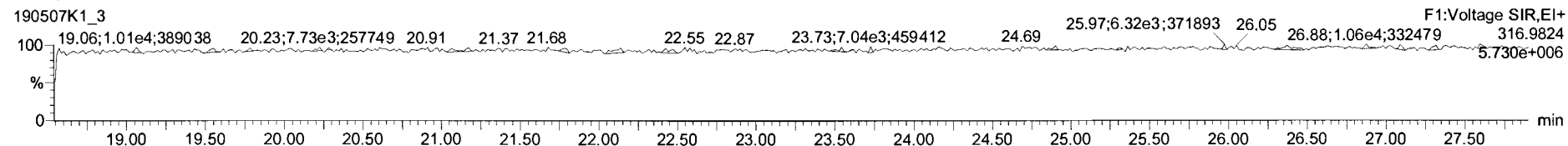


Dataset: Untitled

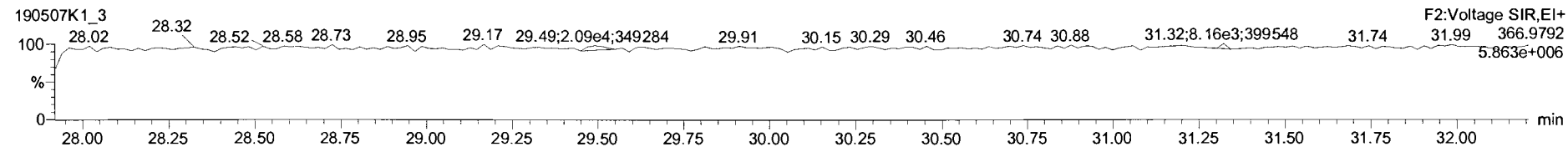
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_3, Date: 07-May-2019, Time: 12:16:36, ID: ST190507K1_3 1613 CS3 19C2204, Description: 1613 CS3 19C2204

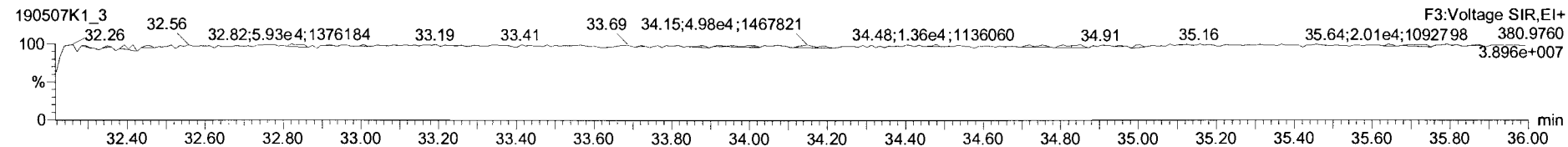
PFK1



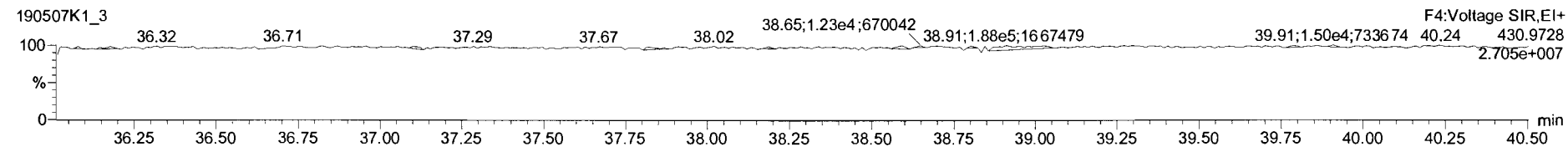
PFK2



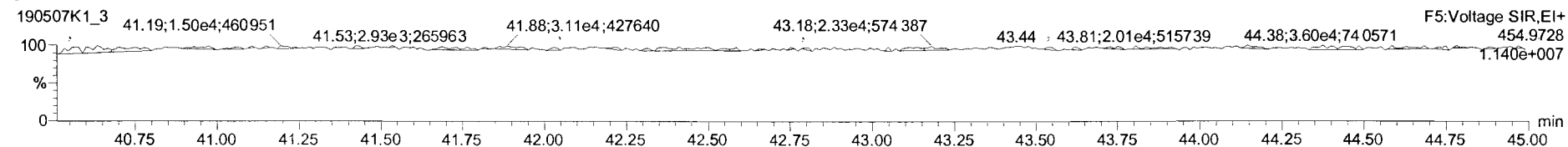
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

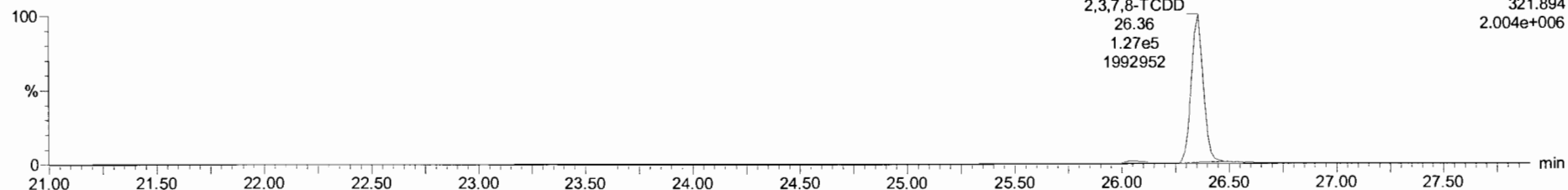
2,3,7,8-TCDD

190507K1_6



F1:Voltage SIR,EI+
319.8965
1.616e+006

190507K1_6



F1:Voltage SIR,EI+
321.894
2.004e+006

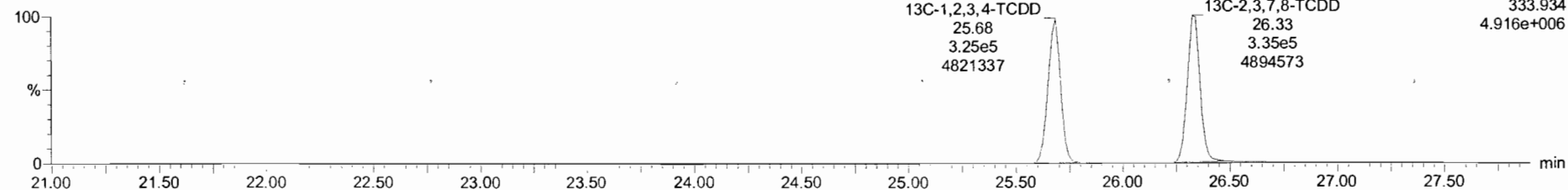
13C-2,3,7,8-TCDD

190507K1_6



F1:Voltage SIR,EI+
331.9368
3.869e+006

190507K1_6



F1:Voltage SIR,EI+
333.934
4.916e+006

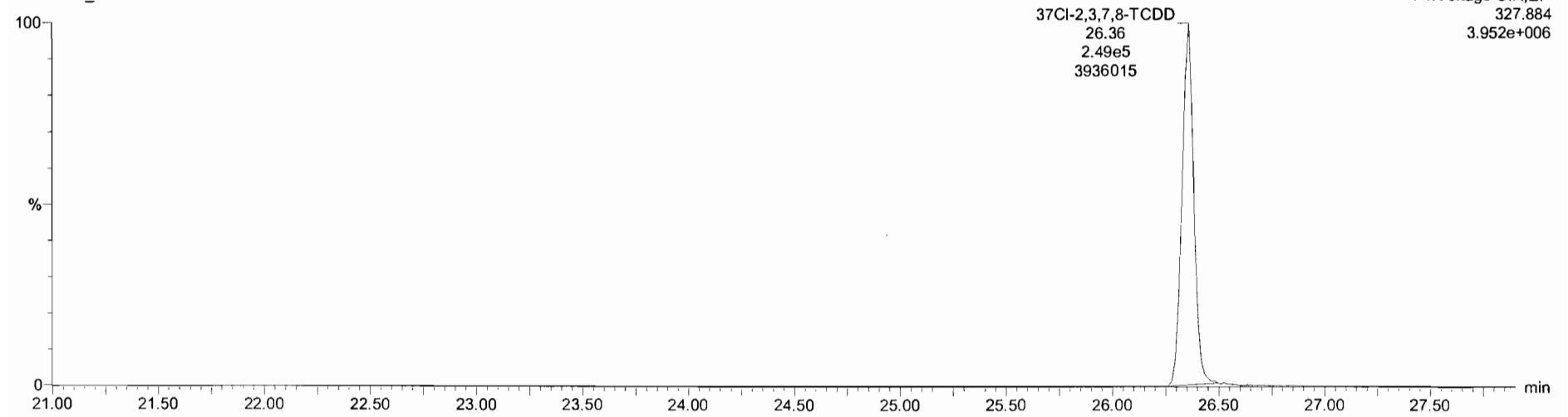
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

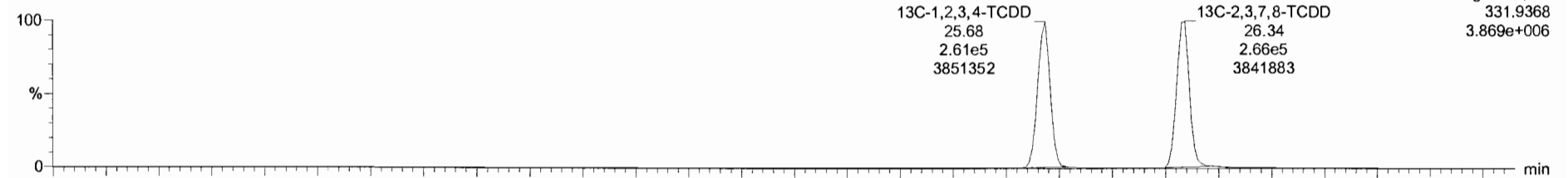
37Cl-2,3,7,8-TCDD

190507K1_6

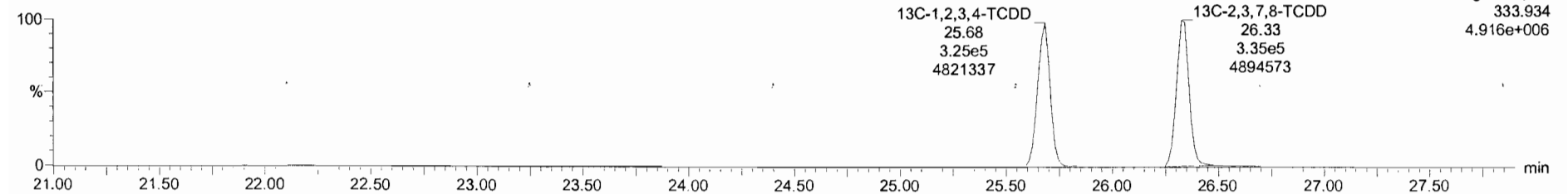


13C-1,2,3,4-TCDD

190507K1_6



190507K1_6



Dataset: Untitled

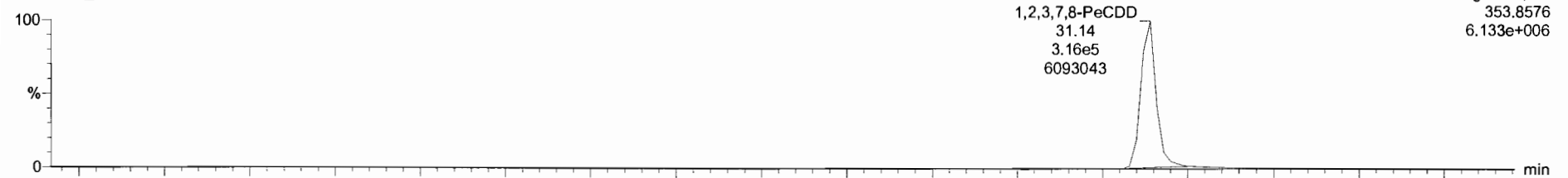
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

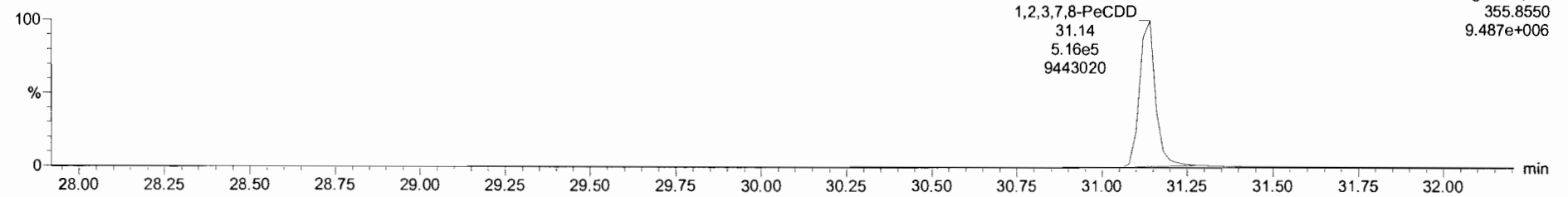
Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

1,2,3,7,8-PeCDD

190507K1_6

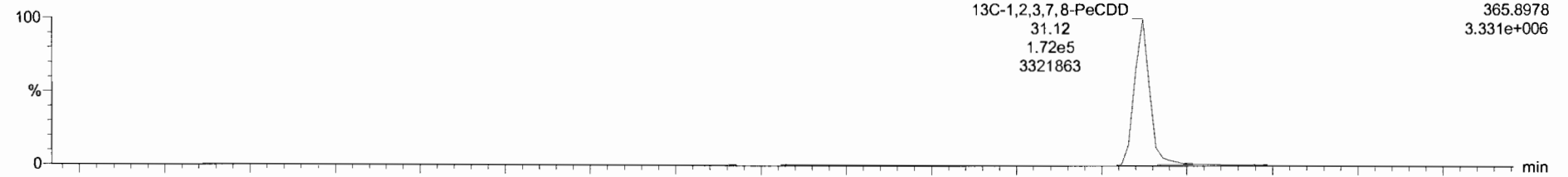


190507K1_6

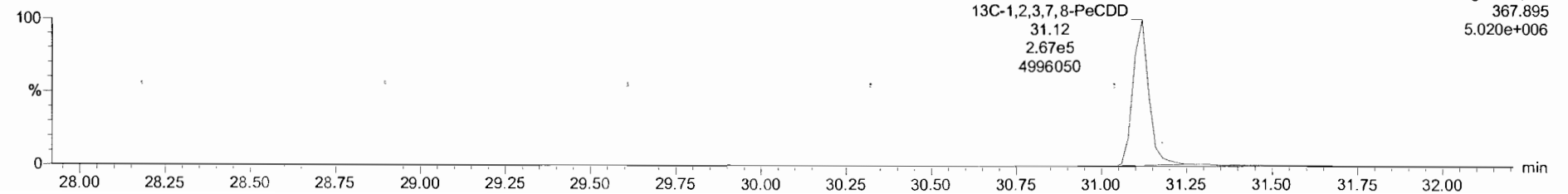


13C-1,2,3,7,8-PeCDD

190507K1_6

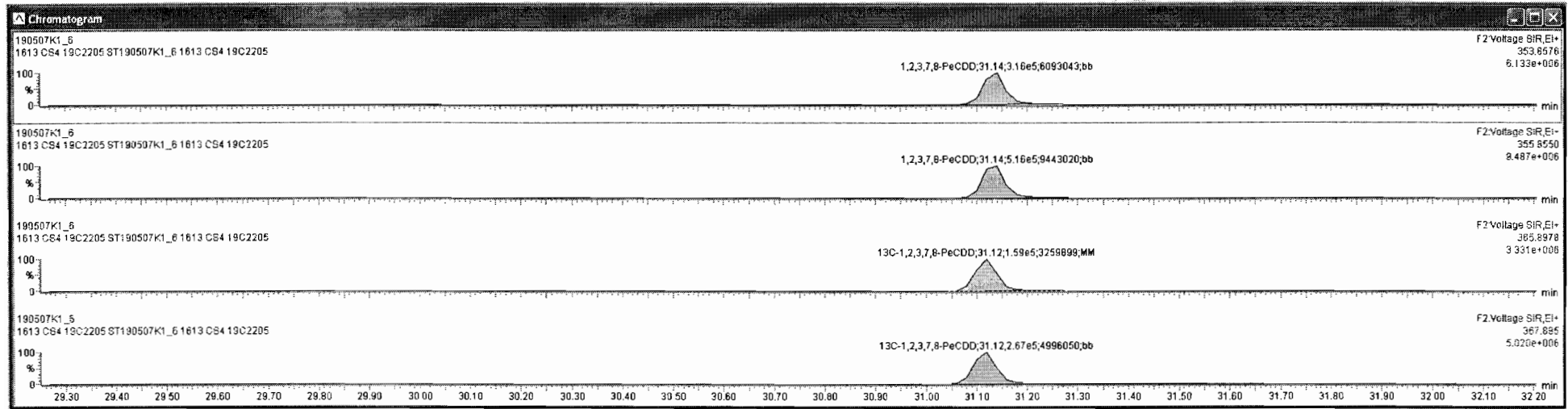


190507K1_6



190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

Name	Resp	RA	n/y	PRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.26e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0876	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	198	0.152	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.366	210
4 1,2,3,6,7,8-HxCDD	7.88e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.367	211
5 1,2,3,7,8,9-HxCDD	6.68e5	1.22	NO	0.97	1.000	34.80	1.000	204	102	0.434	204
6 1,2,3,6,7,8-HpCDD	5.83e5	1.03	NO	1.03	1.000	38.31	1.000	194	97.0	0.503	194
7 OCDD	9.61e5	0.89	NO	0.97	1.000	41.47	1.000	410	102	0.534	410
8 2,3,7,8-TCDF	3.18e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0721	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.87	1.000	29.89	1.000	214	107	0.142	214
10 2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.124	214
11 1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.310	211
12 1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.306	211
13 2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.16	1.000	34.26	1.001	216	108	0.314	216
14 1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.483	221
15 1,2,3,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.435	208
16 1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.507	217
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.484	378
18 13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.223	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.303	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	98.5	98.5	0.789	
21 13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.656	
22 13C-1,2,3,7,8,9-HxCDD	3.37e5	1.40	NO	0.66	1.000	34.78	1.025	100	100	0.789	
23 13C-1,2,3,4,6,7,8-HpCDD	2.93e5	1.05	NO	0.54	1.000	38.30	1.129	106	106	0.468	



Dataset: Untitled

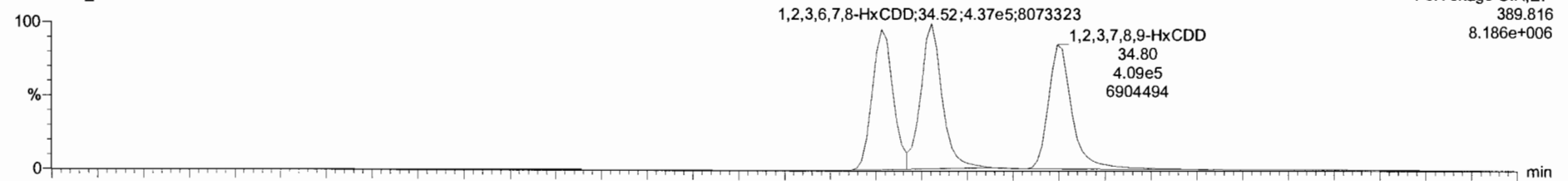
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

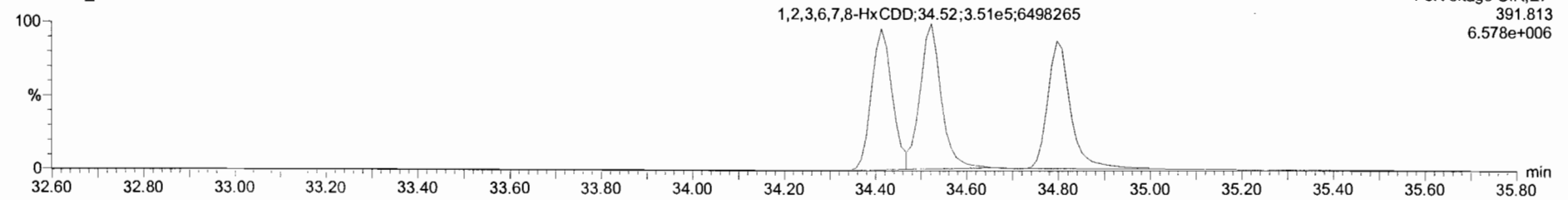
1,2,3,4,7,8-HxCDD

190507K1_6



F3: Voltage SIR, EI+
389.816
8.186e+006

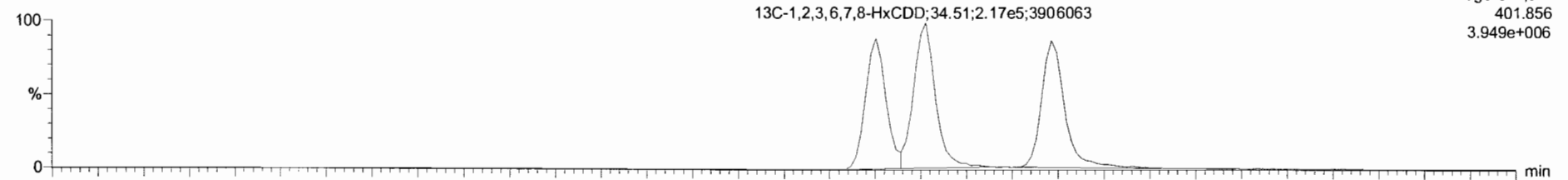
190507K1_6



F3: Voltage SIR, EI+
391.813
6.578e+006

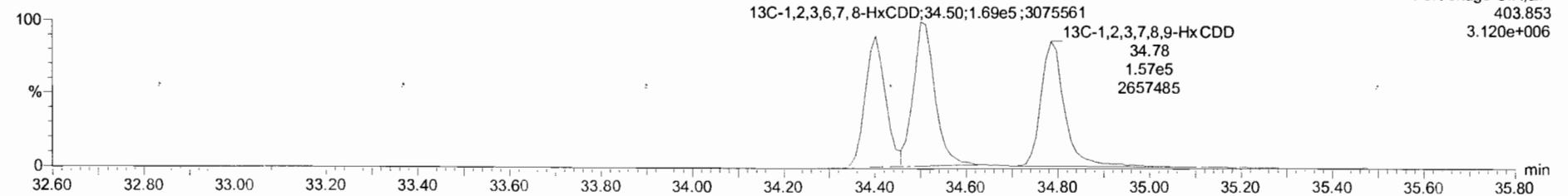
13C-1,2,3,4,7,8-HxCDD

190507K1_6



F3: Voltage SIR, EI+
401.856
3.949e+006

190507K1_6



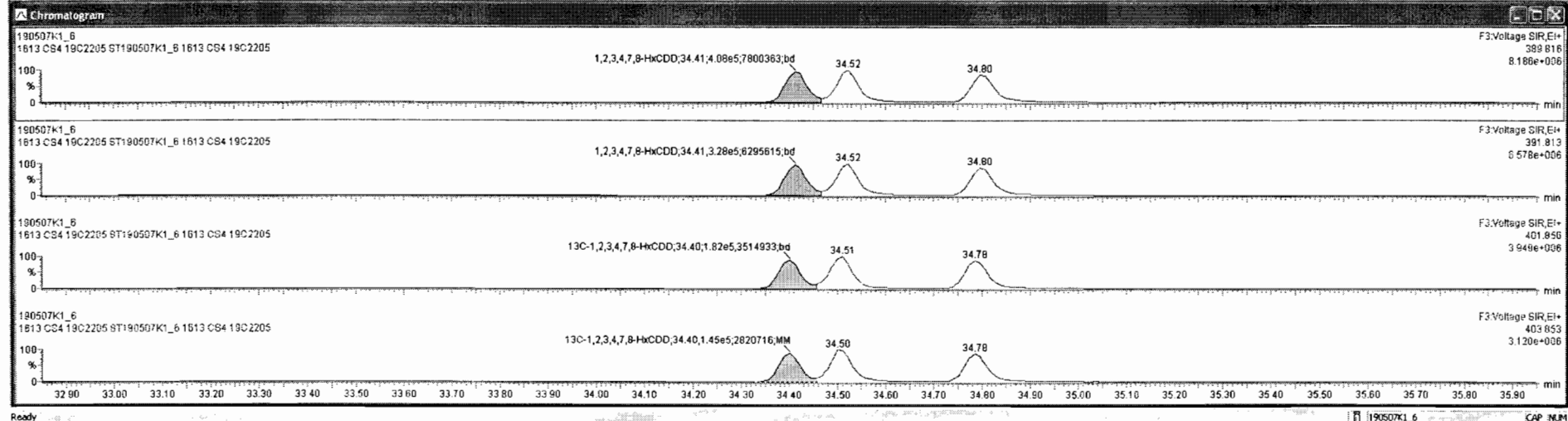
F3: Voltage SIR, EI+
403.853
3.120e+006

Target:lynx - 190507K1-CRY.qld

File Edit View Display Processing Window Help

190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

Name	Resp	RA	nA	RRF	wtAval	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.26e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0676	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	108	0.152	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.366	210
4 1,2,3,6,7,8-HxCDD	7.88e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.367	211
5 1,2,3,7,8-HxCDD	6.68e5	1.22	NO	0.97	1.000	34.80	1.000	204	102	0.434	204
6 1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.03	1.000	38.31	1.000	194	97.0	0.503	194
7 OCDD	9.61e5	0.89	NO	0.97	1.000	41.47	1.000	410	102	0.534	410
8 2,3,7,8-TCDF	3.18e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0721	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.142	214
10 2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.66	1.001	214	107	0.124	214
11 1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.310	211
12 1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.306	211
13 2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.314	216
14 1,2,3,7,8-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.483	221
15 1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.435	208
16 1,2,3,4,7,8,9-HpCDF	7.13e5	1.06	NO	1.26	1.000	38.88	1.000	217	109	0.507	217
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.464	378
18 13C-2,3,7,8-TCDD	5.01e5	0.78	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.223	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.303	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	99.5	99.5	0.789	
21 13C-1,2,3,6,7,8-HxCDD	3.86e5	1.26	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.656	
22 13C-1,2,3,7,8-HxCDD	3.37e5	1.40	NO	0.66	1.000	34.78	1.025	100	100	0.769	
23 13C-1,2,3,4,6,7,8-HpCDD	2.93e5	1.05	NO	0.54	1.000	36.30	1.129	106	106	0.488	

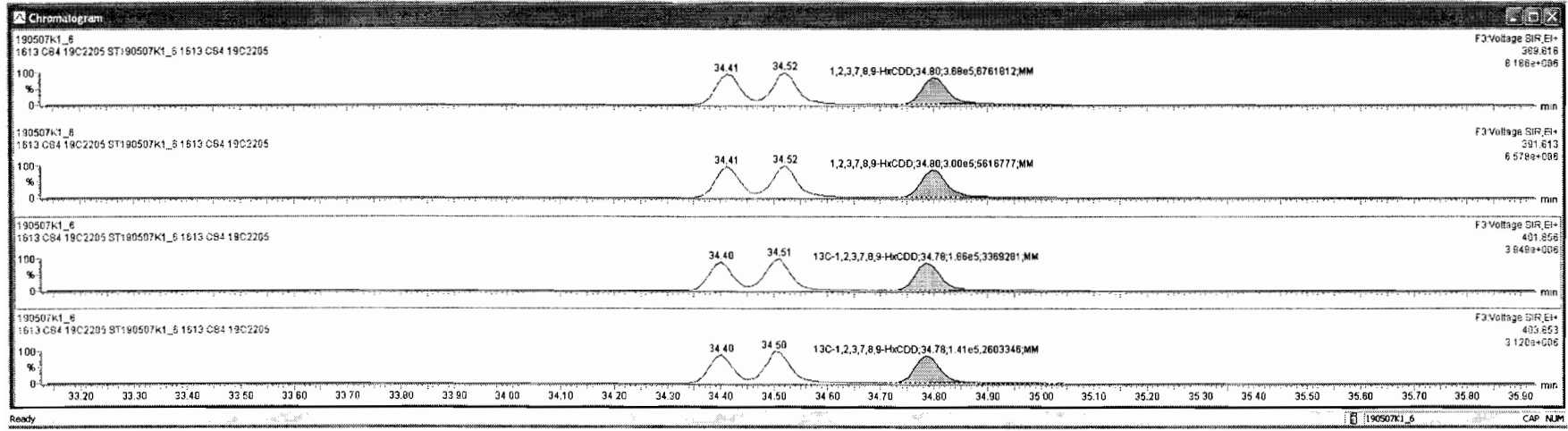


TargetLynx - 190507K1_CRY.qld

File Edit View Display Processing Window Help

190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

SL	Name	Resp	RA	inj	RRF	wtVoi	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.26e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0730	40.7
2	1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3	1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4	1,2,3,6,7,8-HxCDD	7.89e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5	1,2,3,7,8,9-HxCDD	8.89e5	1.22	NO	0.98	1.000	34.80	1.000	208	105	0.356	208
6	1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.03	1.000	38.31	1.000	194	97.0	0.419	194
7	OCDD	9.61e5	0.80	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8	2,3,7,8-TCDF	3.18e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0601	42.0
9	1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.118	214
10	2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11	1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12	1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.255	211
13	2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.262	216
14	1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.402	221
15	1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.363	208
16	1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.423	217
17	OCDF	1.21e6	0.80	NO	1.10	1.000	41.70	1.000	378	94.5	0.387	378
18	13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19	13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20	13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	99.5	99.5	0.657	
21	13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22	13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.66	1.000	34.78	1.025	97.2	97.2	0.644	
23	13C-1,2,3,4,6,7,8-HpCDD	2.93e5	1.05	NO	0.54	1.000	38.30	1.128	106	106	0.390	



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

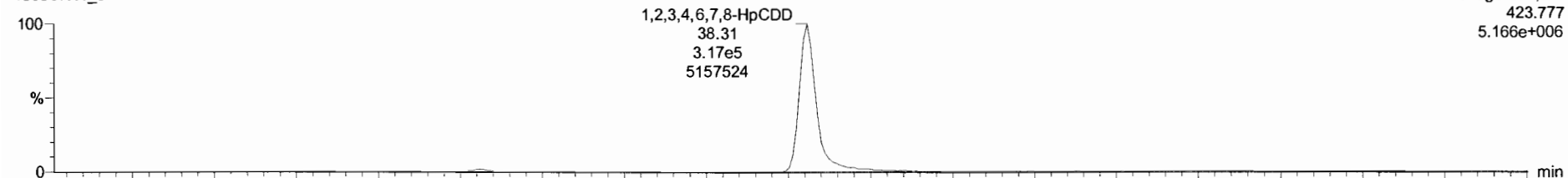
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

1,2,3,4,6,7,8-HpCDD

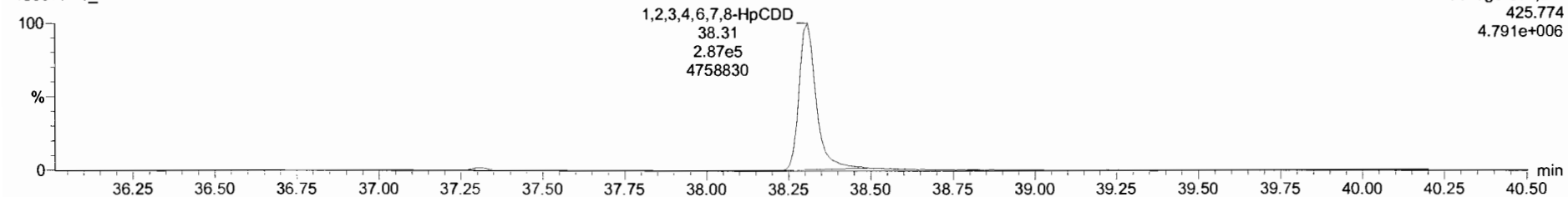
190507K1_6

F4:Voltage SIR,EI+
423.777
5.166e+006



190507K1_6

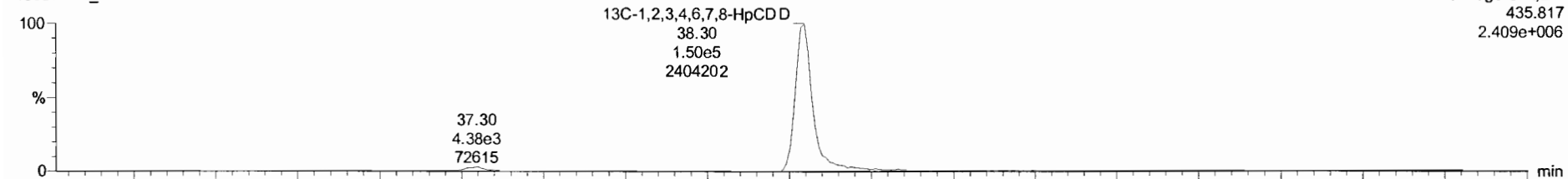
F4:Voltage SIR,EI+
425.774
4.791e+006



13C-1,2,3,4,6,7,8-HpCDD

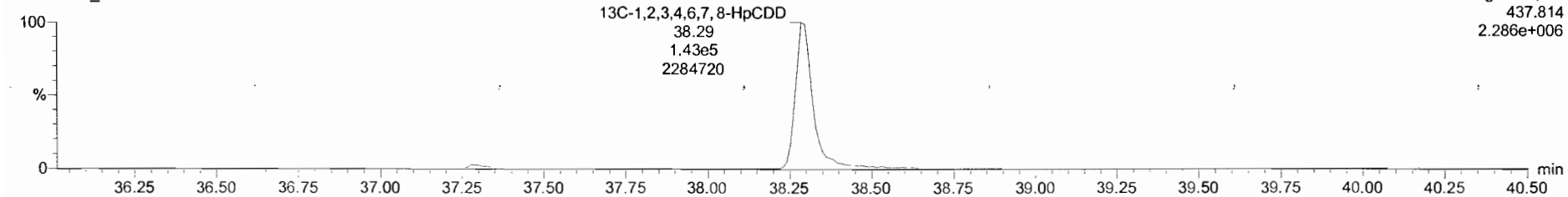
190507K1_6

F4:Voltage SIR,EI+
435.817
2.409e+006



190507K1_6

F4:Voltage SIR,EI+
437.814
2.286e+006

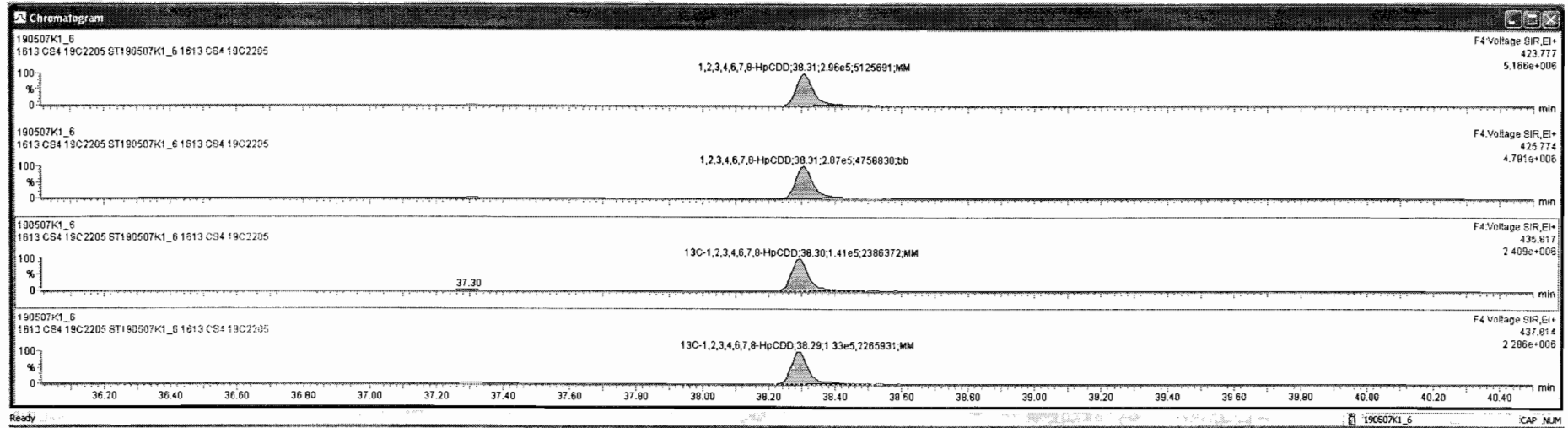


TargetLynx 190507K1_6.DRV.qld

File Edit View Display Processing Window Help

190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

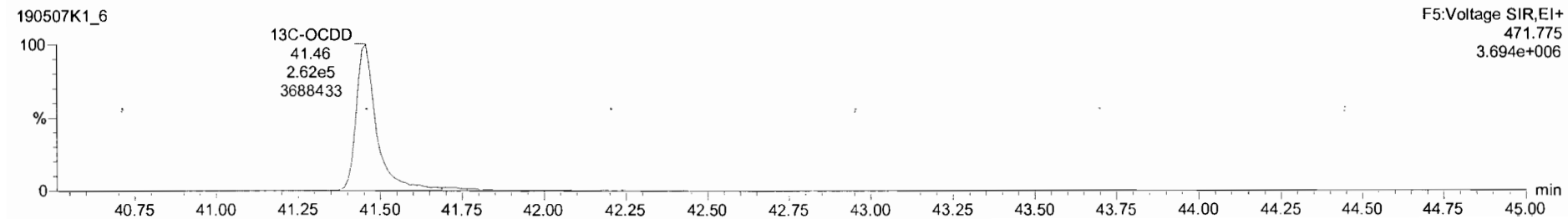
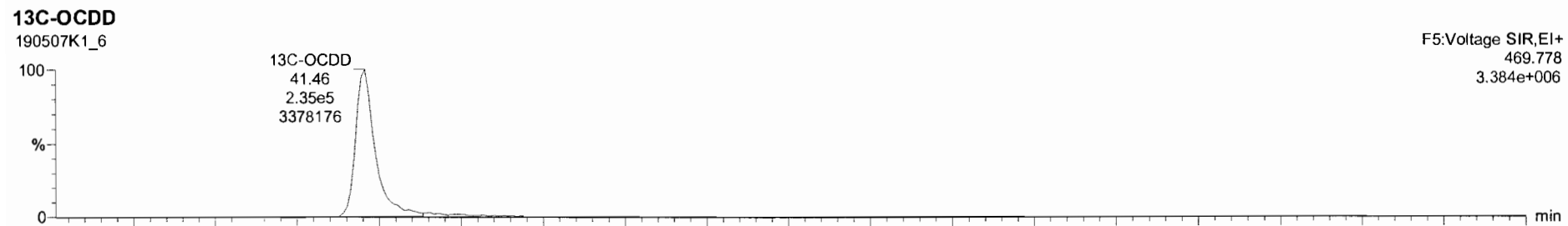
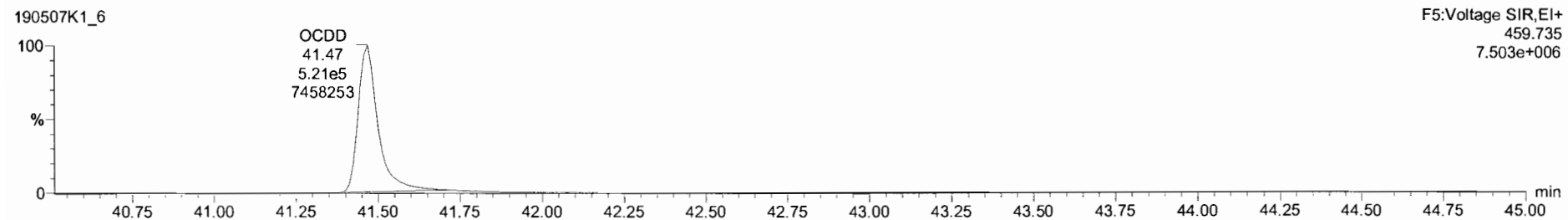
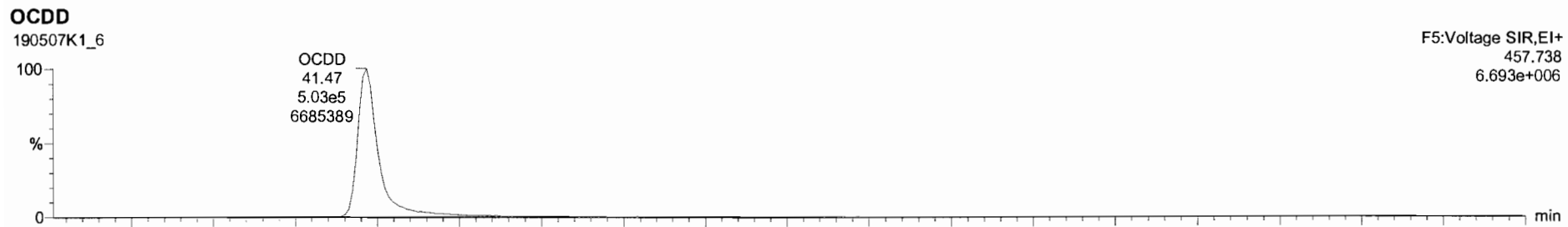
Name	Resp	RA	riy	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.26e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0730	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4 1,2,3,6,7,8-HxCDD	7.88e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5 1,2,3,7,8,9-HxCDD	6.68e5	1.22	NO	0.98	1.000	34.80	1.000	209	105	0.356	209
6 1,2,3,4,6,7,8-HpCDD	5.29e5	1.03	NO	1.04	1.000	38.31	1.000	205	102	0.423	205
7 OCDD	9.61e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8 2,3,7,8-TCDF	3.19e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0601	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.118	214
10 2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11 1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12 1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.255	211
13 2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.262	216
14 1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.402	221
15 1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.363	208
16 1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.423	217
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.387	378
18 13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	99.5	99.5	0.657	
21 13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22 13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.66	1.000	34.78	1.025	97.3	97.3	0.644	
23 13C-1,2,3,4,6,7,8-HpCDD	2.74e5	1.06	NO	0.53	1.000	38.30	1.129	101	101	0.394	



Dataset: Untitled

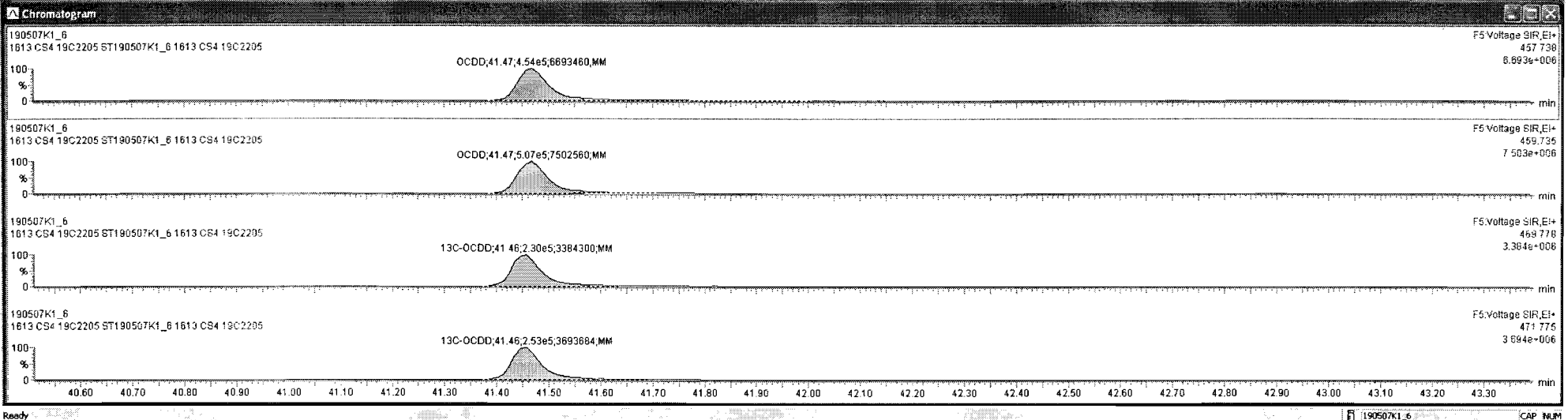
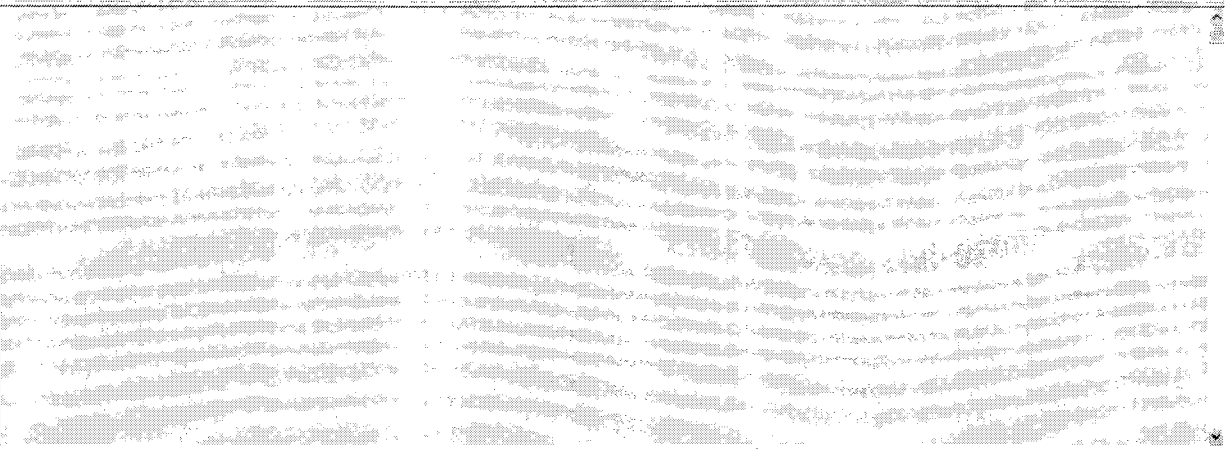
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205



190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

Name	Resp	RA	NA	RRF	wt/wt	RT	RRV	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.29e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0730	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4 1,2,3,6,7,8-HxCDD	7.88e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5 1,2,3,7,8,9-HxCDD	6.69e5	1.22	NO	0.98	1.000	34.80	1.000	209	105	0.356	209
6 1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.04	1.000	38.31	1.000	205	102	0.421	205
7 OCDD	9.61e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8 2,3,7,8-TCDF	3.18e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0601	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.118	214
10 2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11 1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12 1,2,3,6,7,8-HxCDF	1.19e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.255	211
13 2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.262	216
14 1,2,3,7,8,9-HxCDF	9.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.402	221
15 1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	209	104	0.363	209
16 1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.423	217
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	376	94.5	0.367	376
18 13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	99.5	99.5	0.657	
21 13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22 13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.66	1.000	34.78	1.025	97.3	97.3	0.644	
23 13C-1,2,3,4,6,7,8-HpCDD	2.74e5	1.06	NO	0.53	1.000	38.30	1.129	101	101	0.394	



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

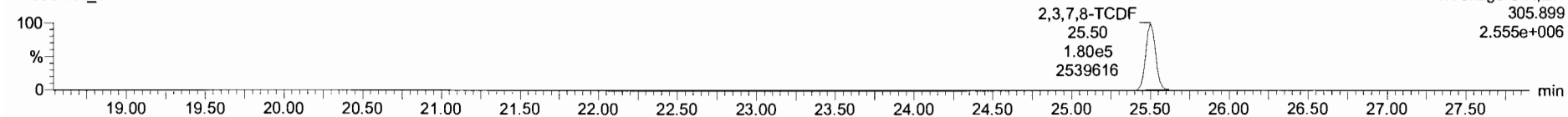
Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

2,3,7,8-TCDF

190507K1_6

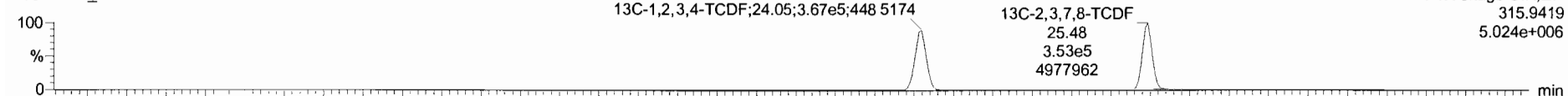


190507K1_6

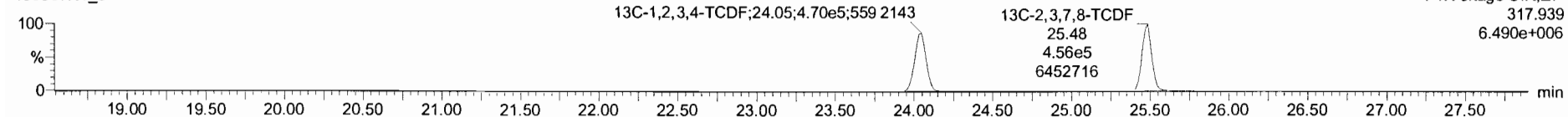


13C-2,3,7,8-TCDF

190507K1_6

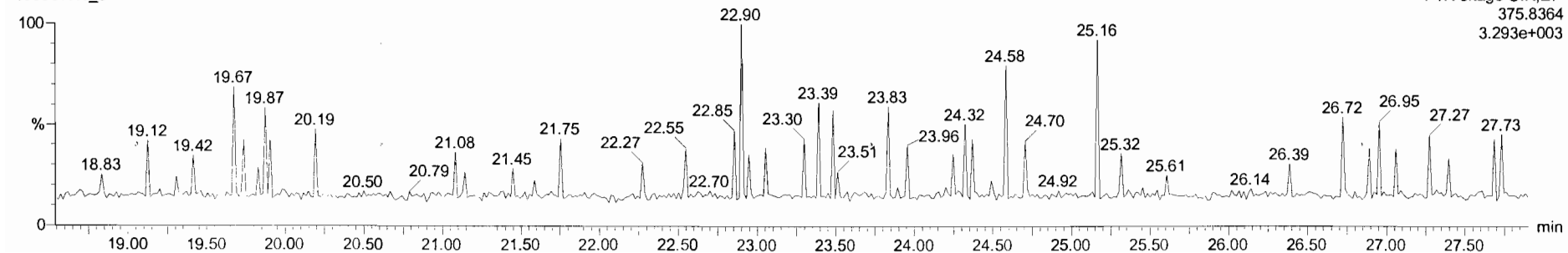


190507K1_6



DPE1

190507K1_6



Dataset: Untitled

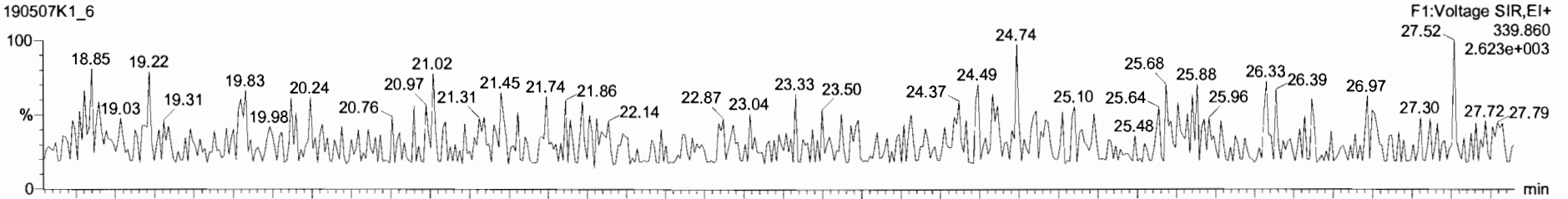
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

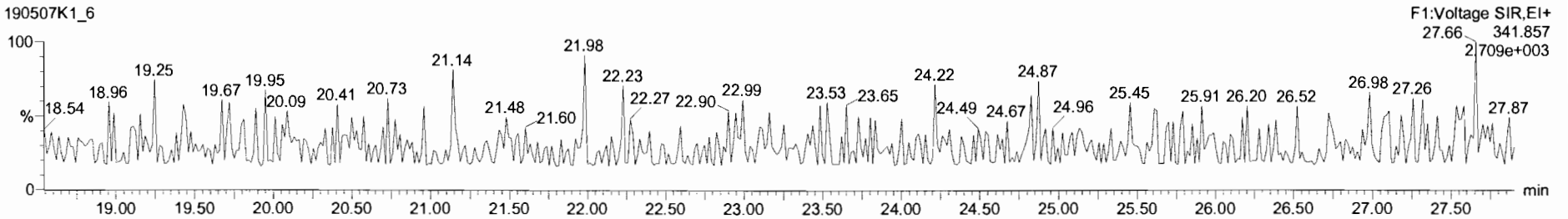
Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

1st Func. Penta-Furans

190507K1_6

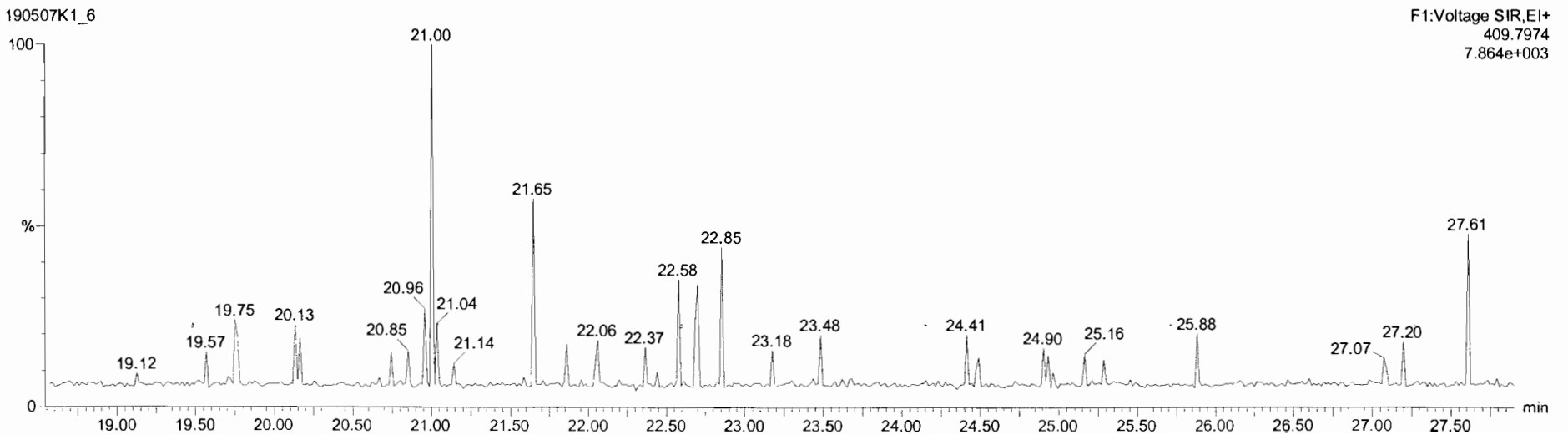


190507K1_6



DPE6

190507K1_6



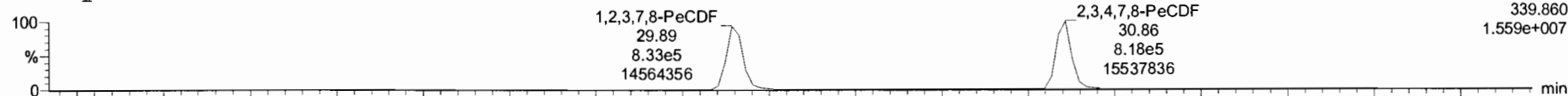
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

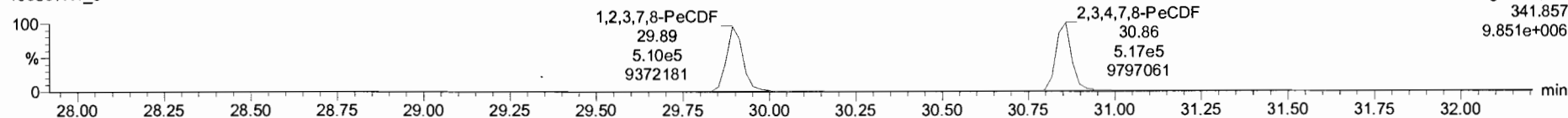
Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

1,2,3,7,8-PeCDF

190507K1_6

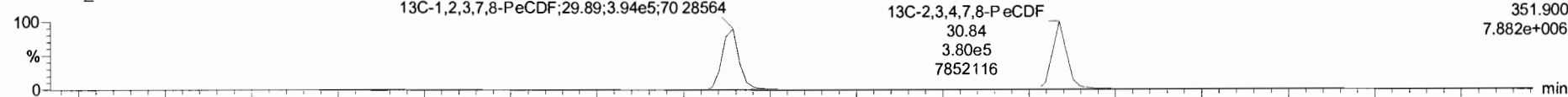


190507K1_6

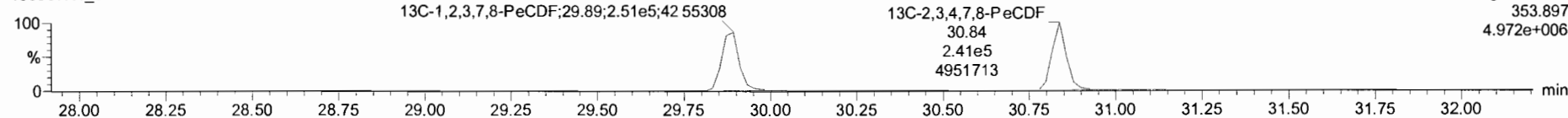


13C-1,2,3,7,8-PeCDF

190507K1_6

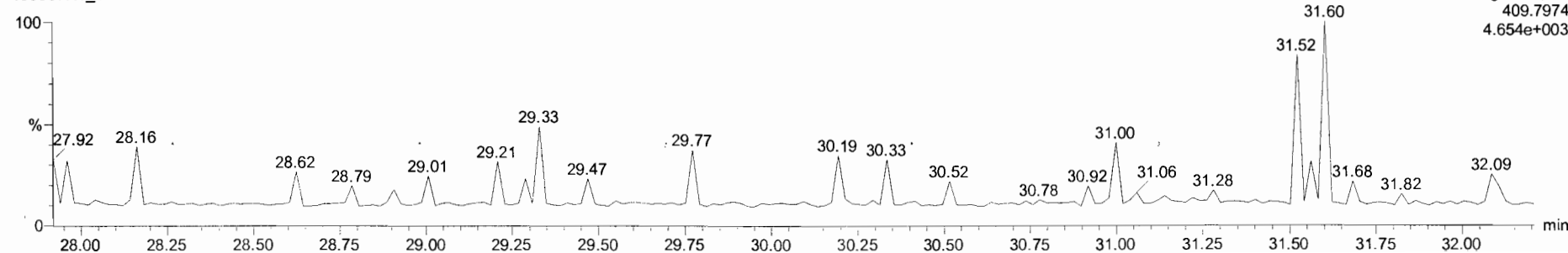


190507K1_6



DPE2

190507K1_6



Dataset: Untitled

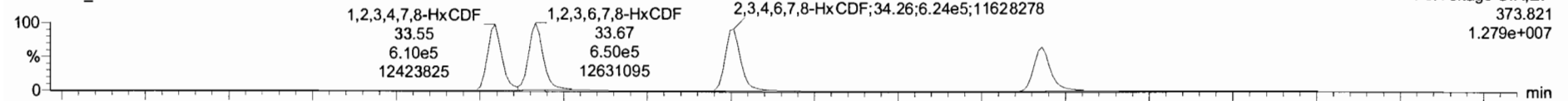
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

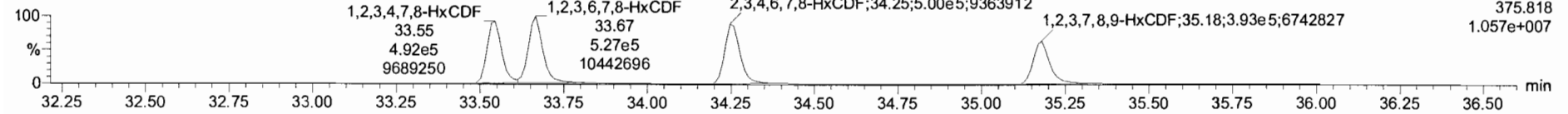
Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

1,2,3,4,7,8-HxCDF

190507K1_6

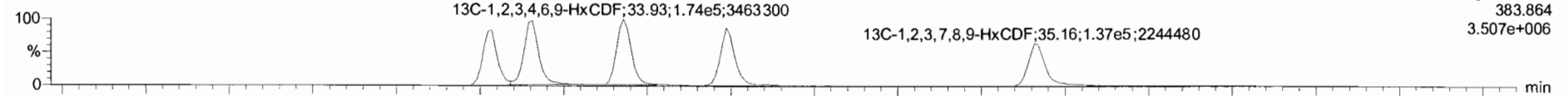


190507K1_6

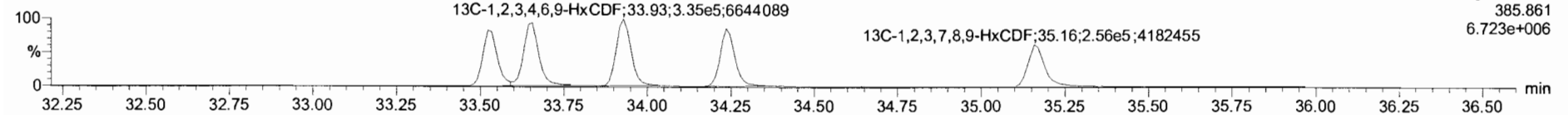


13C-1,2,3,4,7,8-HxCDF

190507K1_6

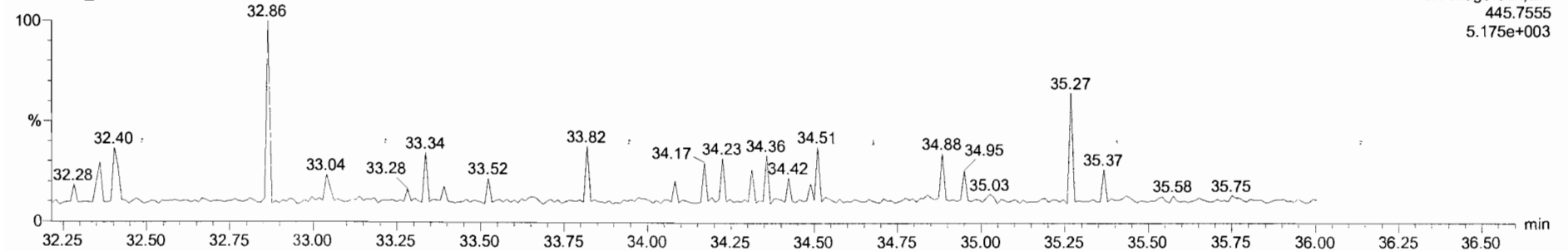


190507K1_6



DPE3

190507K1_6

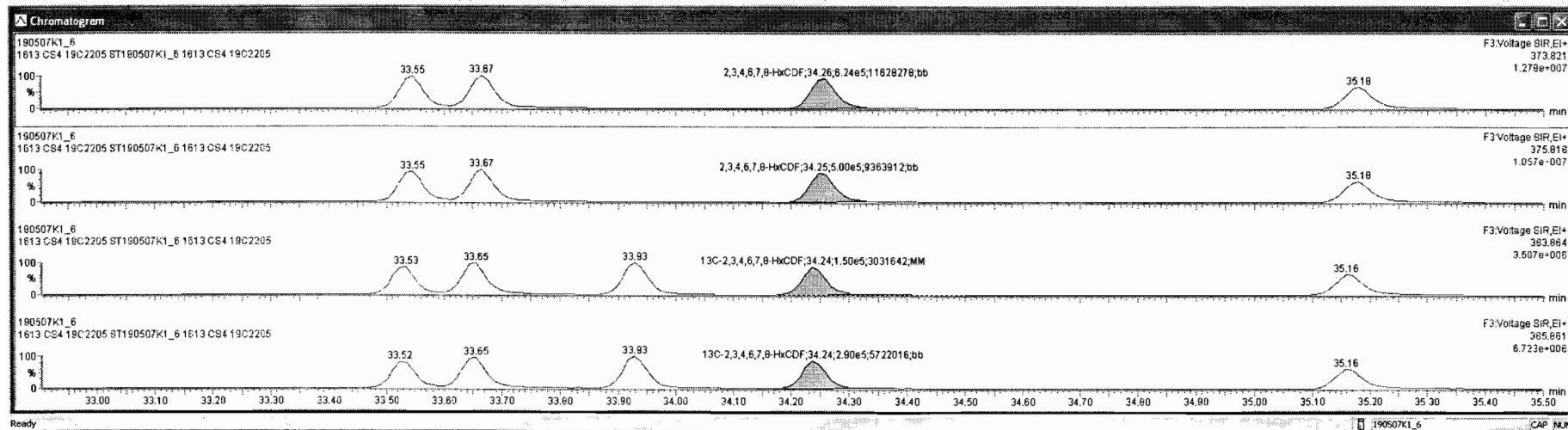


TargetLynk - 190507K1.CRV.qld

File Edit View Display Processing Window Help

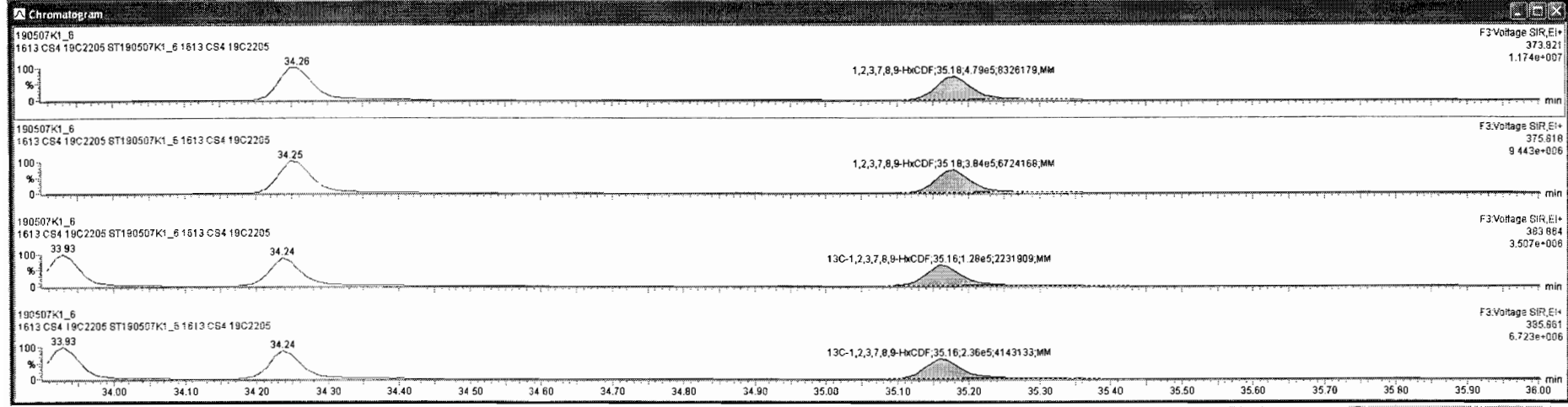
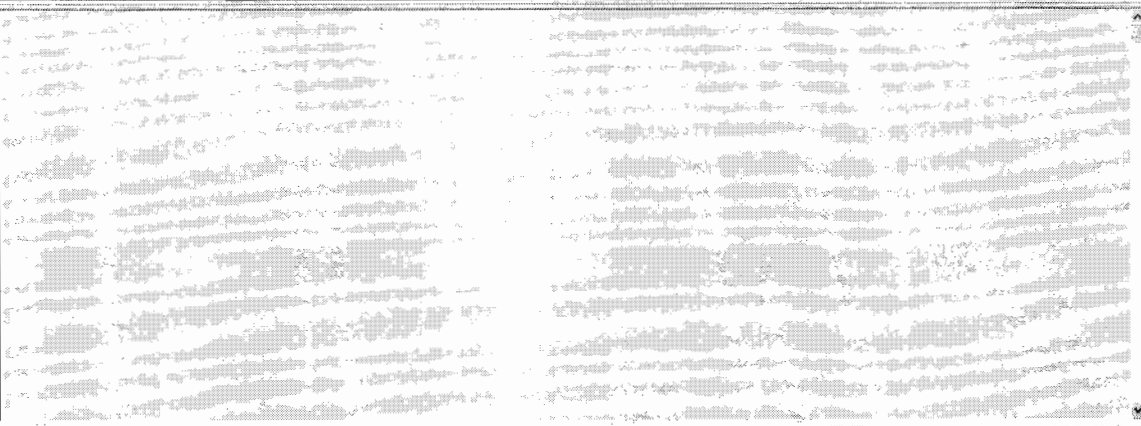
190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

#	Name	Resp	RA	oxy	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.26e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0730	40.7
2	1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	218	108	0.127	216
3	1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4	1,2,3,6,7,8-HxCDD	7.86e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5	1,2,3,7,8,9-HxCDD	6.68e5	1.22	NO	0.96	1.000	34.80	1.000	209	105	0.356	209
6	1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.04	1.000	38.31	1.000	205	102	0.421	205
7	OCDD	9.61e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8	2,3,7,8-TCDF	3.19e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0801	42.0
9	1,2,3,7,8-PeCDF	1.34e5	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.118	214
10	2,3,4,7,8-PeCDF	1.34e5	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11	1,2,3,4,7,8-HxCDF	1.10e5	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12	1,2,3,6,7,8-HxCDF	1.18e5	1.23	NO	1.10	1.000	33.67	1.000	211	108	0.255	211
13	2,3,4,6,7,8-HxCDF	1.12e5	1.25	NO	1.10	1.000	34.26	1.001	210	108	0.262	210
14	1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.19	1.001	221	110	0.402	221
15	1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.363	208
16	1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.423	217
17	OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.387	378
18	13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19	13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20	13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	99.5	99.5	0.657	
21	13C-1,2,3,6,7,8-HxCDD	3.86e5	1.26	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22	13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.66	1.000	34.78	1.025	97.3	97.3	0.644	
23	13C-1,2,3,4,6,7,8-HpCDD	2.74e5	1.06	NO	0.53	1.000	38.30	1.129	101	101	0.394	



190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

Name	Resp	RA	NY	RRF	WtVol	RT	RRT	Conc.	%Rec	DL	EMEC
1 2,3,7,8-TCDD	2.29e5	0.78	NO	0.52	1.000	26.36	1.001	40.7	102	0.0730	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.51	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4 1,2,3,6,7,8-HxCDD	7.89e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5 1,2,3,7,8,9-HxCDD	6.69e5	1.22	NO	0.98	1.000	34.80	1.000	209	105	0.356	209
6 1,2,3,4,6,7,8-HpCDD	5.89e5	1.03	NO	1.04	1.000	38.31	1.000	205	102	0.421	205
7 OCDD	9.61e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8 2,3,7,8-TCDF	3.18e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0601	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.118	214
10 2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11 1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12 1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.255	211
13 2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.262	216
14 1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.402	221
15 1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.363	208
16 1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.423	217
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.387	378
18 13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.65	1.000	34.40	1.014	99.5	99.5	0.657	
21 13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22 13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.66	1.000	34.78	1.025	97.3	97.3	0.644	
23 13C-1,2,3,4,6,7,8-HpCDD	2.74e5	1.08	NO	0.53	1.000	38.30	1.129	101	101	0.394	



Dataset: Untitled

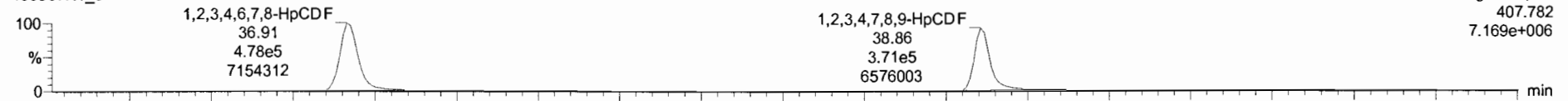
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

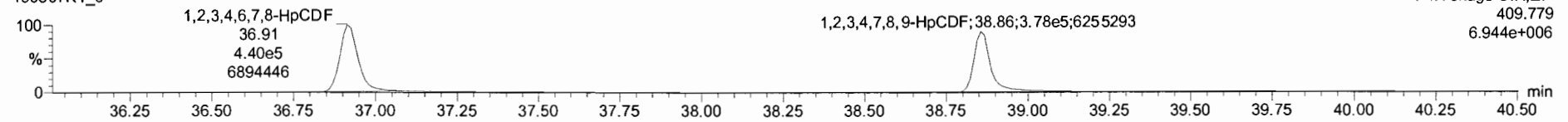
1,2,3,4,6,7,8-HpCDF

190507K1_6



F4:Voltage SIR,EI+
407.782
7.169e+006

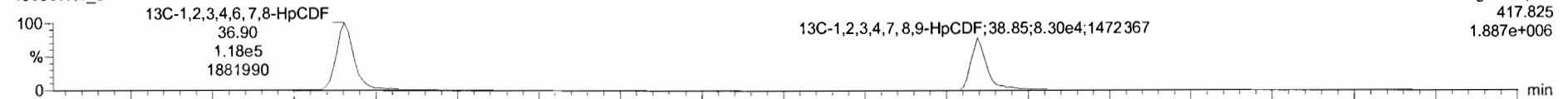
190507K1_6



F4:Voltage SIR,EI+
409.779
6.944e+006

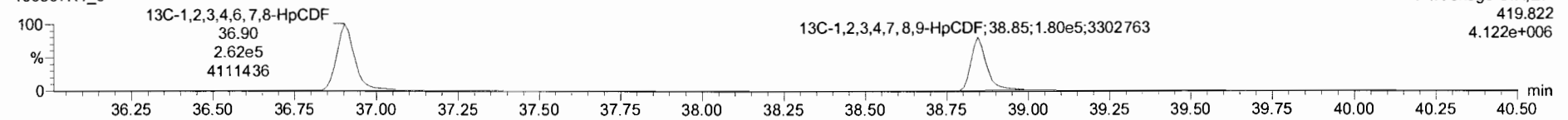
13C-1,2,3,4,6,7,8-HpCDF

190507K1_6



F4:Voltage SIR,EI+
417.825
1.887e+006

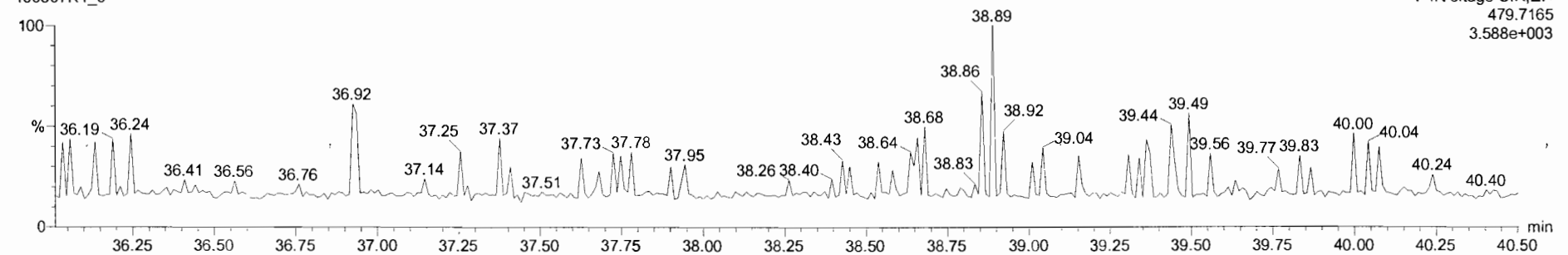
190507K1_6



F4:Voltage SIR,EI+
419.822
4.122e+006

DPE4

190507K1_6



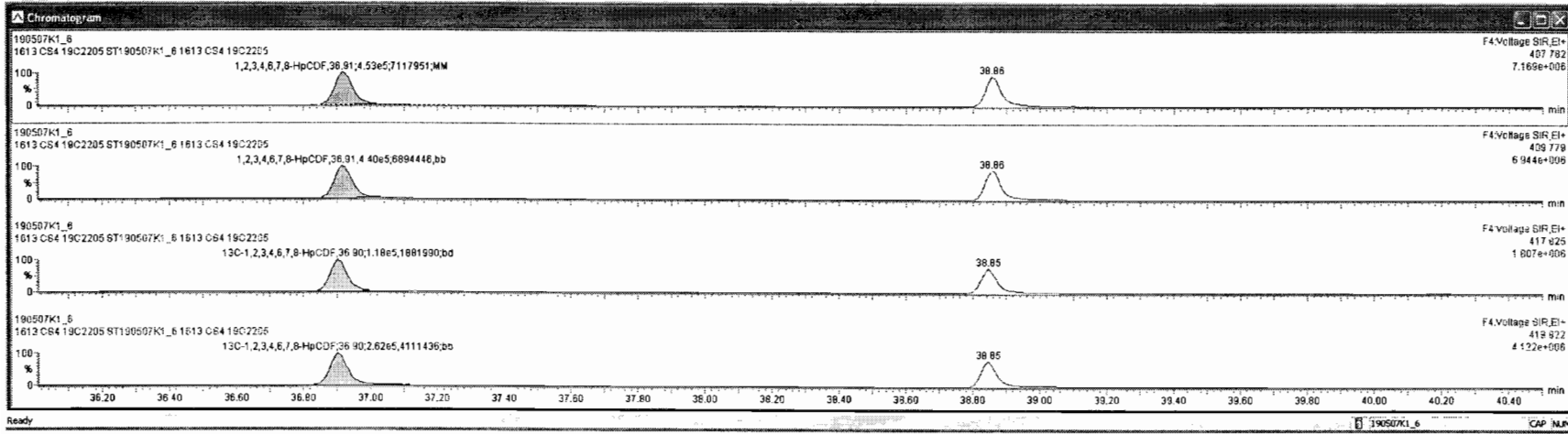
F4:Voltage SIR,EI+
479.7165
3.588e+003

Target:lynx 190507K1_CRY.gid

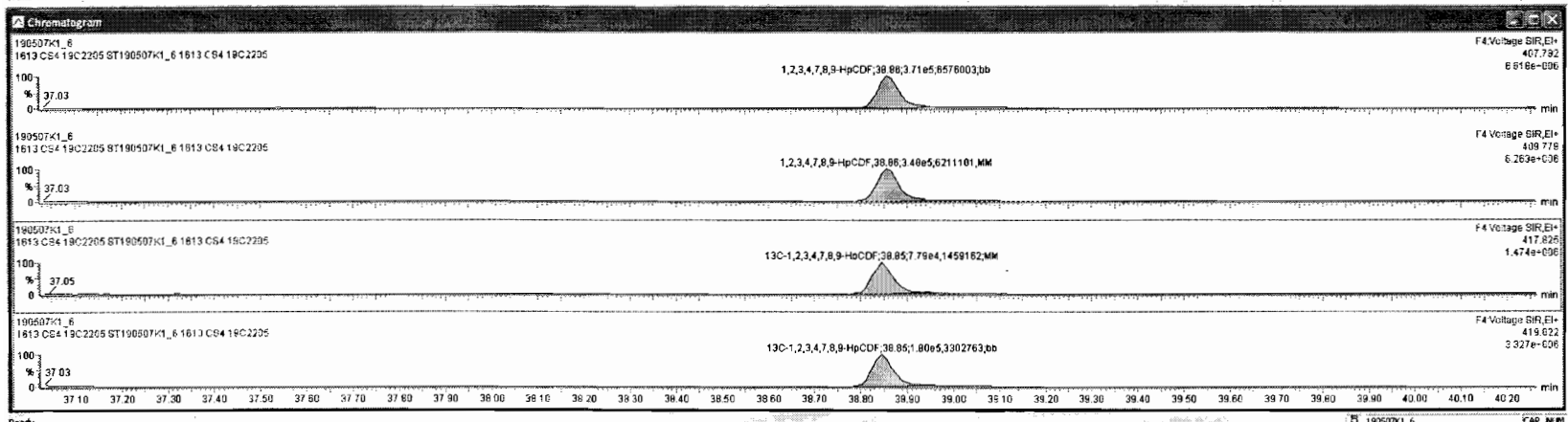
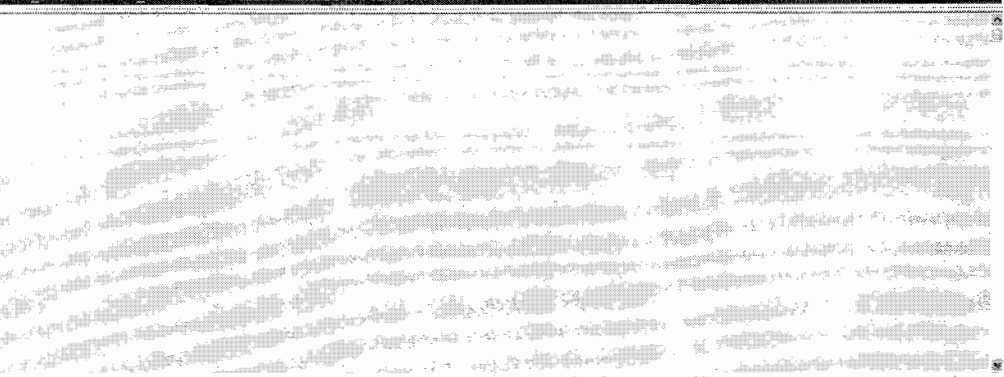
File Edit View Display Processing Window Help

190507K1_6 - ST190507K1_6_1613 CS4 19C2205 - 1613 CS4 19C2205

#	Name	Resp	RA	ntf	RRF	Vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.26e5	0.76	NO	0.92	1.000	26.36	1.001	40.7	102	0.0730	40.7
2	1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3	1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4	1,2,3,6,7,8-HxCDD	7.88e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5	1,2,3,7,8,9-HxCDD	6.68e5	1.22	NO	0.98	1.000	34.80	1.000	209	105	0.356	209
6	1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.04	1.000	36.91	1.000	205	102	0.421	205
7	OCDD	9.61e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8	2,3,7,8-TCDF	3.10e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0601	42.0
9	1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.85	1.000	214	107	0.118	214
10	2,3,4,7,8-HxCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11	1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12	1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.265	211
13	2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.262	216
14	1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.10	1.001	221	110	0.402	221
15	1,2,3,6,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	206	104	0.363	206
16	1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	217	109	0.423	217
17	OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.367	378
18	13C-2,3,7,8-TCDD	8.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19	13C-1,2,3,7,8-PeCDD	4.25e5	0.80	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20	13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.85	1.000	34.40	1.014	99.5	99.5	0.657	
21	13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22	13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.86	1.000	34.78	1.025	97.3	97.3	0.644	
23	13C-1,2,3,4,6,7,8-HpCDD	2.74e5	1.06	NO	0.53	1.000	36.30	1.129	101	101	0.394	



Name	Resp	RA	dy	RP	wtVol	RT	RRT	Conc	S&Rec	DL	dBPC
1 2,3,7,8-TCDD	2.29e5	0.78	NO	0.82	1.000	26.36	1.001	40.7	102	0.0730	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.51	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4 1,2,3,6,7,8-HxCDD	7.88e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5 1,2,3,7,8,9-HxCDD	6.68e5	1.22	NO	0.98	1.000	34.80	1.000	209	105	0.356	209
6 1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.04	1.000	36.21	1.000	205	102	0.421	205
7 OCDD	9.81e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8 2,3,7,8-TCDF	3.19e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0801	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.83	NO	0.97	1.000	29.89	1.000	214	107	0.116	214
10 1,2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11 1,2,3,4,7,8-HxCDF	1.19e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.296	211
12 1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.255	211
13 1,2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.28	1.001	216	108	0.262	216
14 1,2,3,7,8,9-HxCDF	8.83e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.402	221
15 1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	209	104	0.363	209
16 1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.88	1.000	221	110	0.407	221
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.387	378
18 13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.85	1.000	34.40	1.014	99.5	99.5	0.657	
21 13C-1,2,3,6,7,8-HxCDD	3.86e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22 13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.86	1.000	34.78	1.025	97.5	97.5	0.544	
23 13C-1,2,3,4,6,7,8-HpCDD	2.24e5	1.08	NO	0.53	1.000	36.30	1.129	101	101	0.394	



Dataset: Untitled

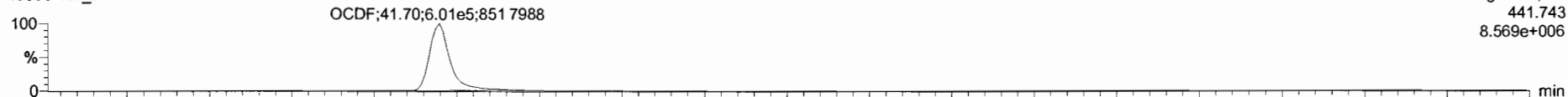
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

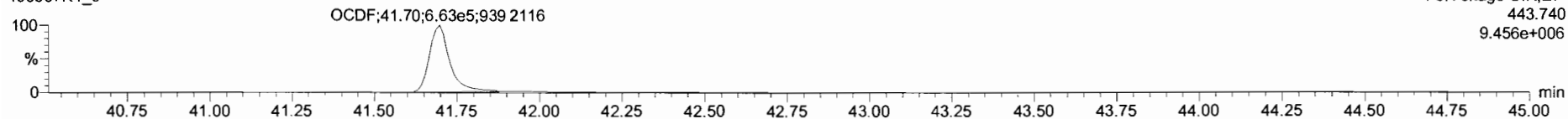
Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

OCDF

190507K1_6

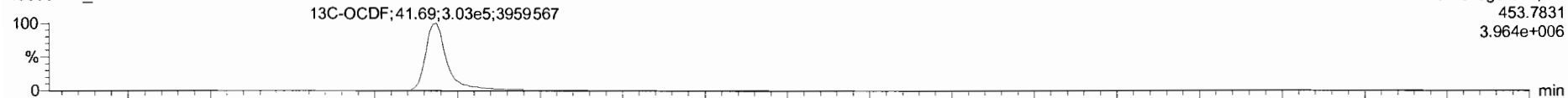


190507K1_6

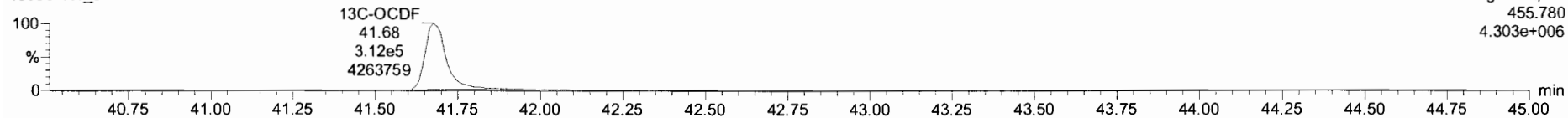


13C-OCDF

190507K1_6

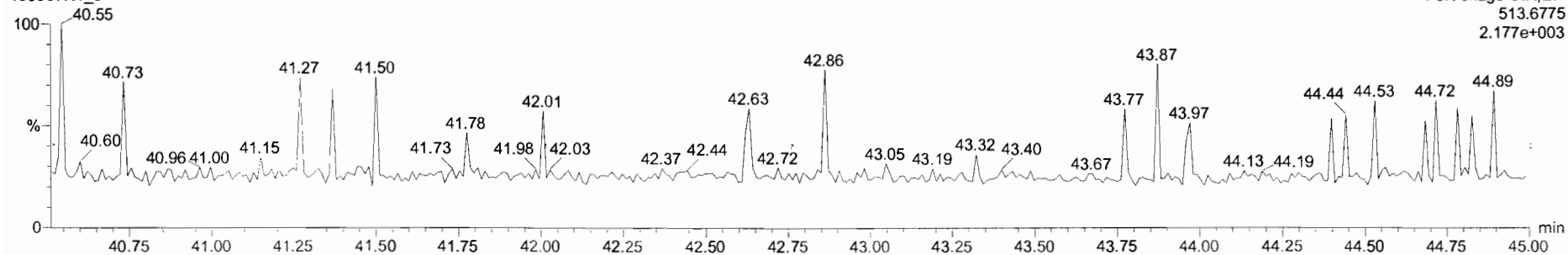


190507K1_6



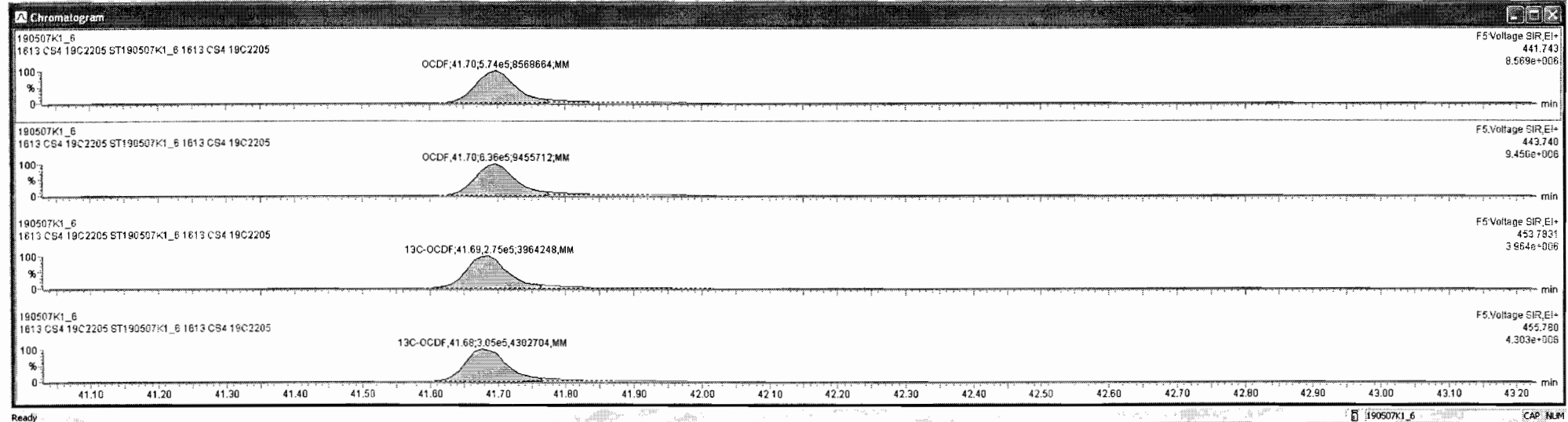
DPE5

190507K1_6



190507K1_6 - ST190507K1_6 1613 CS4 19C2205 - 1613 CS4 19C2205

Name	Resp	RA	n/y	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.26e5	0.78	NO	0.92	1.000	26.36	1.001	40.7	102	0.0730	40.7
2 1,2,3,7,8-PeCDD	8.32e5	0.61	NO	0.90	1.000	31.14	1.001	216	108	0.127	216
3 1,2,3,4,7,8-HxCDD	7.36e5	1.25	NO	1.07	1.000	34.41	1.000	210	105	0.305	210
4 1,2,3,6,7,8-HxCDD	7.89e5	1.25	NO	0.97	1.000	34.52	1.000	211	106	0.306	211
5 1,2,3,7,8,9-HxCDD	6.69e5	1.22	NO	0.98	1.000	34.80	1.000	209	105	0.356	209
6 1,2,3,4,6,7,8-HpCDD	5.83e5	1.03	NO	1.04	1.000	38.31	1.000	205	102	0.421	205
7 OCDD	9.61e5	0.90	NO	0.97	1.000	41.47	1.000	410	102	0.445	410
8 2,3,7,8-TCDF	3.18e5	0.77	NO	0.94	1.000	25.50	1.001	42.0	105	0.0601	42.0
9 1,2,3,7,8-PeCDF	1.34e6	1.63	NO	0.97	1.000	29.89	1.000	214	107	0.118	214
10 2,3,4,7,8-PeCDF	1.34e6	1.58	NO	1.00	1.000	30.86	1.001	214	107	0.103	214
11 1,2,3,4,7,8-HxCDF	1.10e6	1.24	NO	1.24	1.000	33.54	1.000	211	105	0.259	211
12 1,2,3,6,7,8-HxCDF	1.18e6	1.23	NO	1.10	1.000	33.67	1.000	211	106	0.255	211
13 2,3,4,6,7,8-HxCDF	1.12e6	1.25	NO	1.18	1.000	34.26	1.001	216	108	0.262	216
14 1,2,3,7,8,9-HxCDF	8.63e5	1.25	NO	1.07	1.000	35.18	1.001	221	110	0.402	221
15 1,2,3,4,6,7,8-HpCDF	8.93e5	1.03	NO	1.13	1.000	36.91	1.000	208	104	0.363	208
16 1,2,3,4,7,8,9-HpCDF	7.19e5	1.06	NO	1.26	1.000	38.86	1.000	221	110	0.407	221
17 OCDF	1.21e6	0.90	NO	1.10	1.000	41.70	1.000	378	94.5	0.387	378
18 13C-2,3,7,8-TCDD	6.01e5	0.79	NO	1.05	1.000	26.34	1.026	97.8	97.8	0.186	
19 13C-1,2,3,7,8-PeCDD	4.25e5	0.60	NO	0.74	1.000	31.12	1.212	97.8	97.8	0.253	
20 13C-1,2,3,4,7,8-HxCDD	3.27e5	1.26	NO	0.85	1.000	34.40	1.014	99.5	99.5	0.657	
21 13C-1,2,3,6,7,8-HxCDD	3.88e5	1.28	NO	0.78	1.000	34.51	1.017	97.5	97.5	0.547	
22 13C-1,2,3,7,8,9-HxCDD	3.27e5	1.32	NO	0.86	1.000	34.78	1.025	97.3	97.3	0.644	
23 13C-1,2,3,4,6,7,8-HpCDD	2.74e5	1.06	NO	0.53	1.000	38.30	1.129	101	101	0.394	



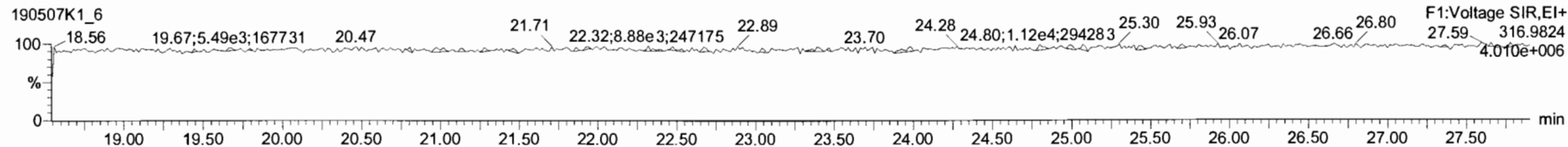
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

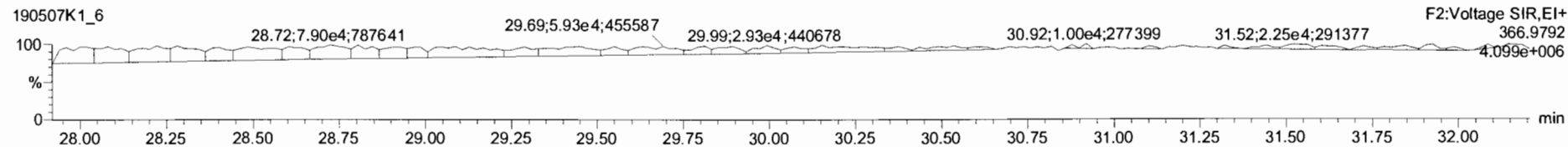
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_6, Date: 07-May-2019, Time: 14:39:24, ID: ST190507K1_6 1613 CS4 19C2205, Description: 1613 CS4 19C2205

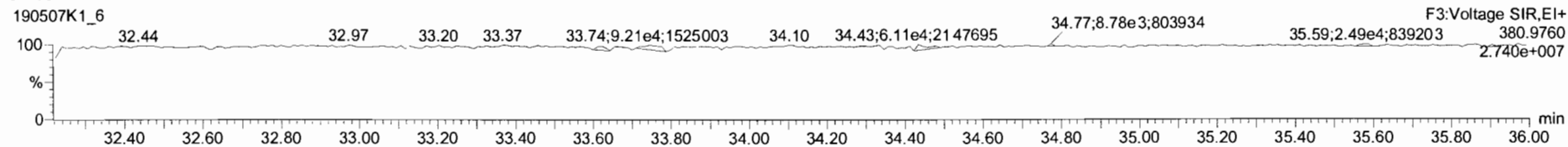
PFK1



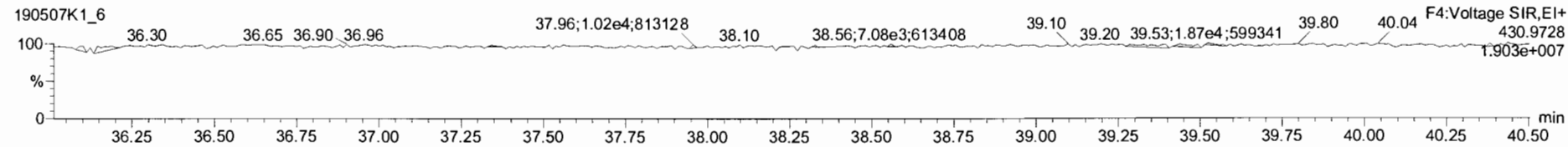
PFK2



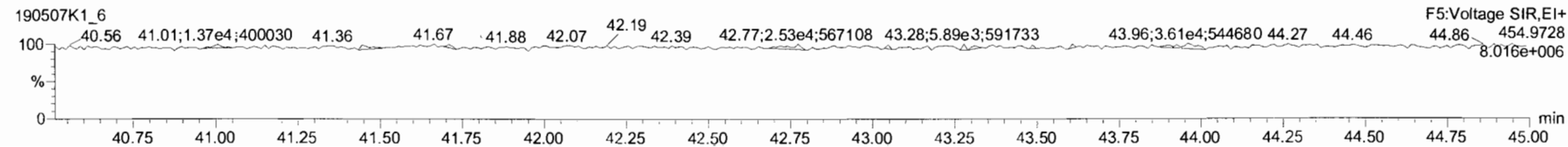
PFK3



PFK4



PFK5



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

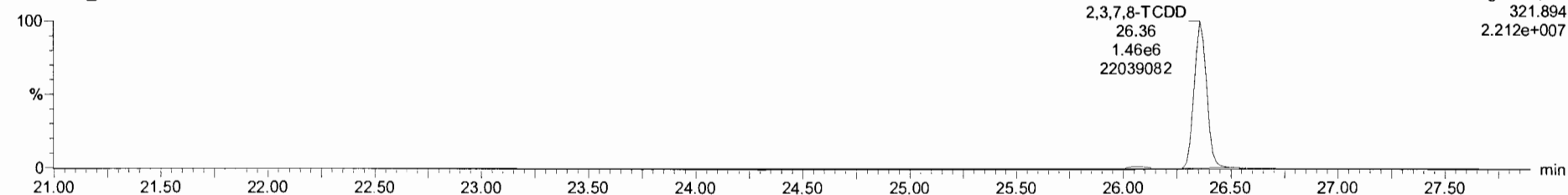
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

2,3,7,8-TCDD

190507K1_7



190507K1_7

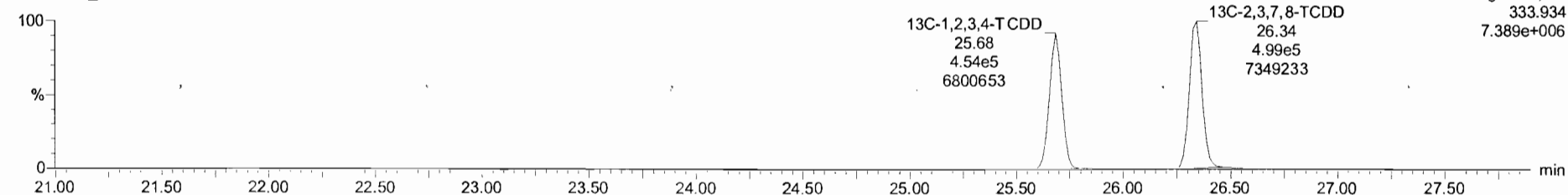


13C-2,3,7,8-TCDD

190507K1_7



190507K1_7



Dataset: Untitled

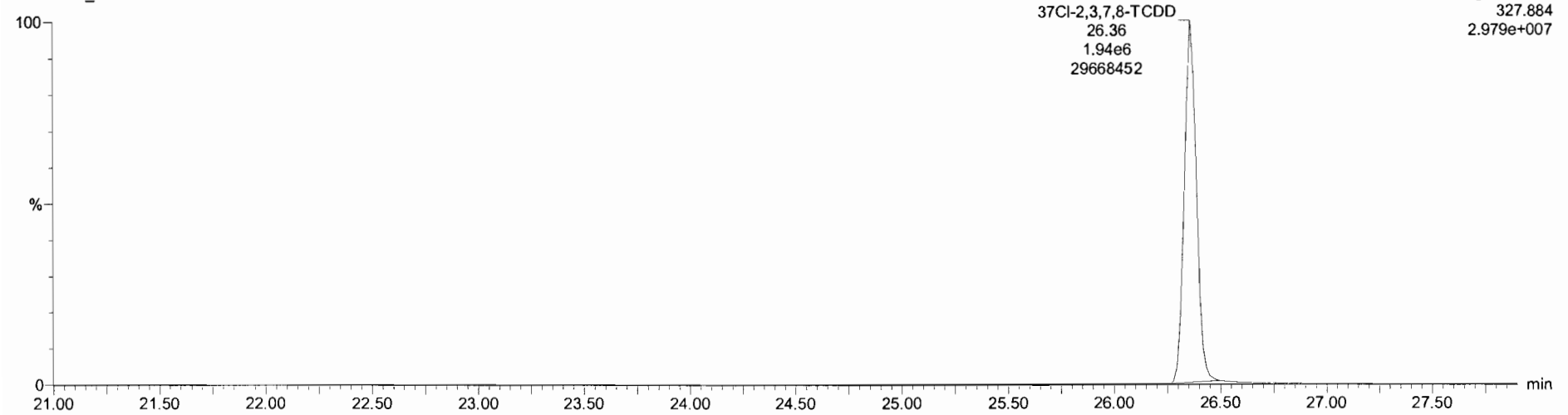
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

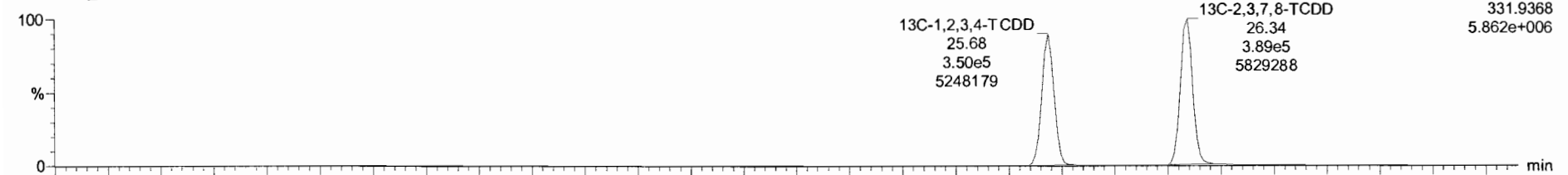
37Cl-2,3,7,8-TCDD

190507K1_7

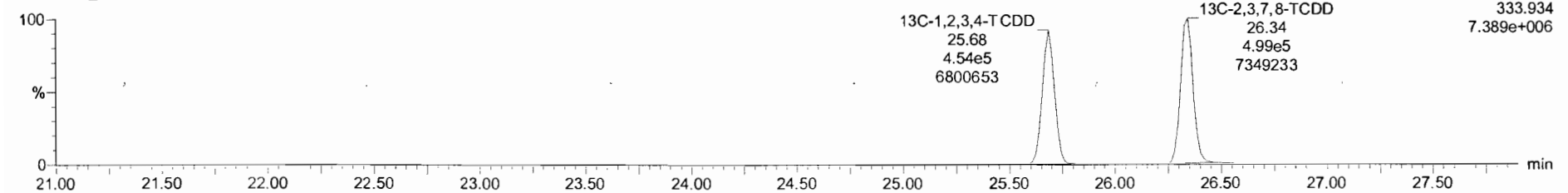


13C-1,2,3,4-TCDD

190507K1_7



190507K1_7



Dataset: Untitled

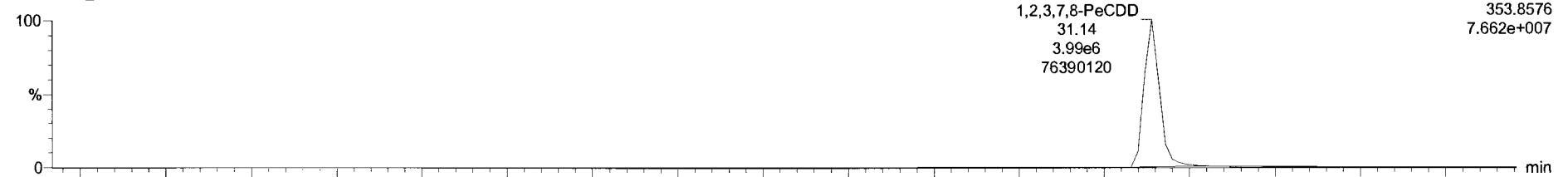
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

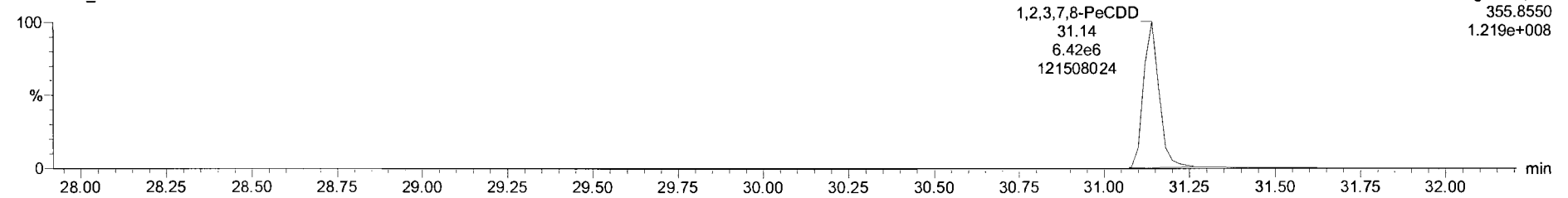
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

1,2,3,7,8-PeCDD

190507K1_7

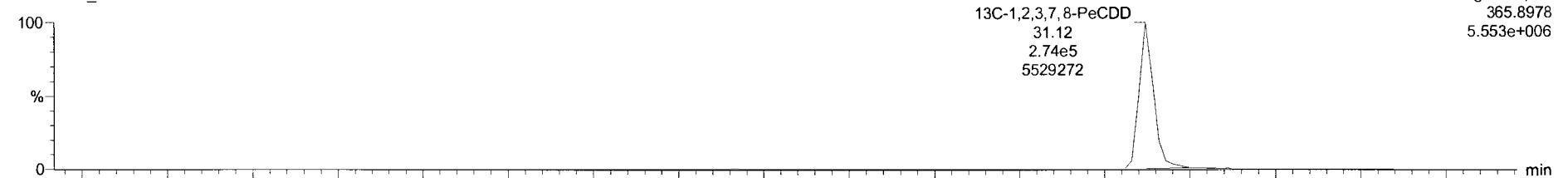


190507K1_7

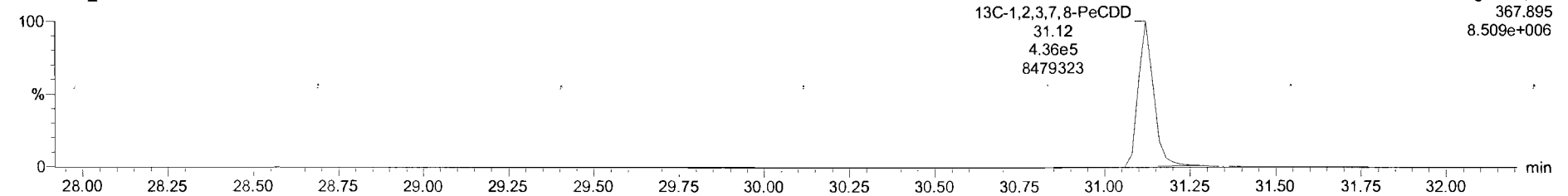


13C-1,2,3,7,8-PeCDD

190507K1_7

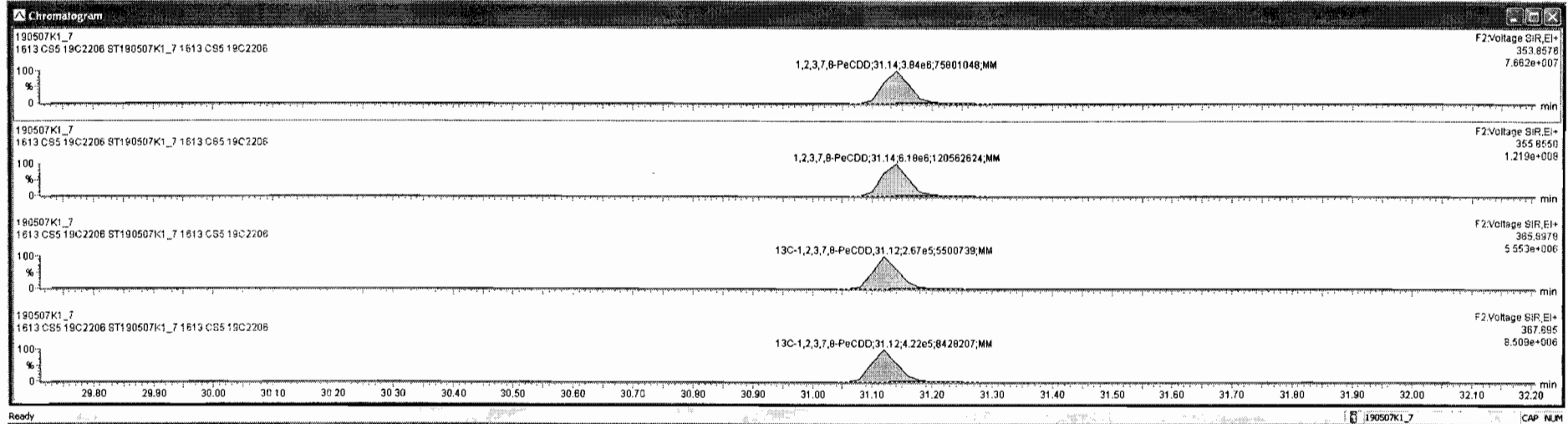


190507K1_7



190507K1_7 - ST190507K1_7_1613 CS5 19C2206 - 1613 CS5 19C2206

#	Name	Resp	RA	nV	RRF	WtNol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.60e6	0.78	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2	1,2,3,7,8-PeCDD	1.00e7	0.52	NO	0.90	1.000	31.14	1.001	1610	107	0.0666	1610
3	1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1660	111	0.470	1660
4	1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1580	104	0.446	1580
5	1,2,3,7,8,9-HxCDD	8.89e6	1.20	NO	0.98	1.000	34.61	1.000	1530	102	0.497	1530
6	1,2,3,4,6,7,8-HpCDD	7.56e6	1.05	NO	1.04	1.000	36.31	1.000	1570	105	0.634	1570
7	OCDD	1.35e7	0.90	NO	0.97	1.000	41.48	1.000	3210	107	1.20	3210
8	2,3,7,8-TCDF	3.44e6	0.78	NO	0.94	1.000	25.51	1.001	320	107	0.0887	320
9	1,2,3,7,8-PeCDF	1.56e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10	2,3,4,7,8-PeCDF	1.61e7	1.58	NO	1.00	1.000	30.86	1.001	1610	107	0.234	1610
11	1,2,3,4,7,8-HxCDF	1.38e7	1.24	NO	1.24	1.000	33.54	1.000	1580	105	0.629	1580
12	1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.68	1.000	1620	108	0.664	1620
13	2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1640	109	0.693	1640
14	1,2,3,7,8,9-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.19	1.001	1690	112	0.966	1690
15	1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.92	1.000	1620	106	0.892	1620
16	1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	38.67	1.000	1600	107	0.926	1600
17	OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	99.7	0.468	2960
18	13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.028	105	105	0.169	
19	13C-1,2,3,7,8-PeCDD	6.89e5	0.63	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20	13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.65	1.000	34.40	1.014	108	108	0.235	
21	13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.196	
22	13C-1,2,3,7,8,9-HxCDD	5.93e5	1.25	NO	0.66	1.000	34.80	1.026	115	115	0.231	
23	13C-1,2,3,4,6,7,8-HpCDD	4.65e5	1.07	NO	0.53	1.000	36.31	1.129	113	113	0.326	



Dataset: Untitled

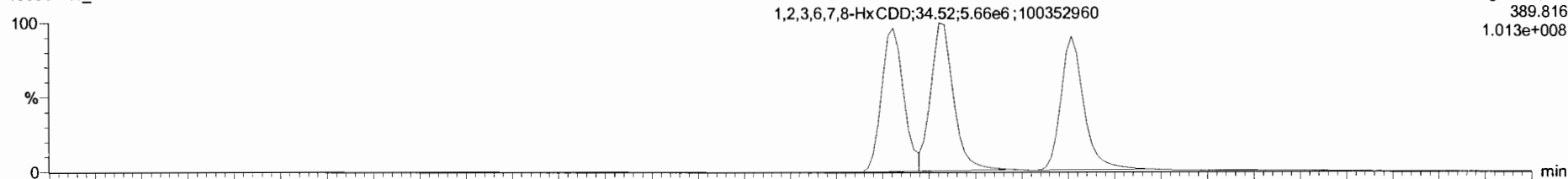
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

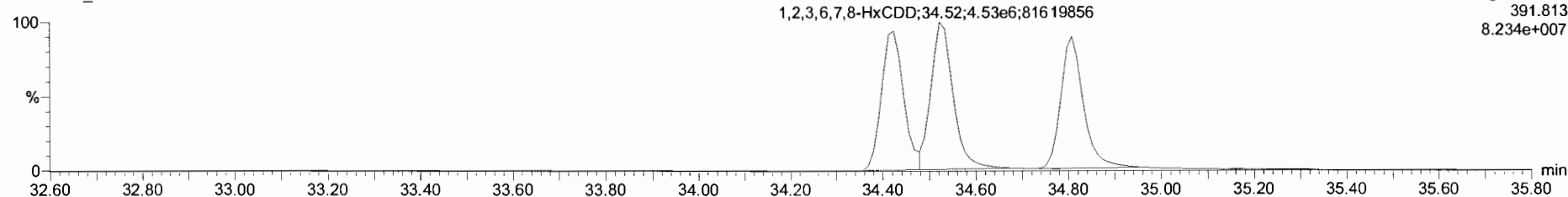
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

1,2,3,4,7,8-HxCDD

190507K1_7

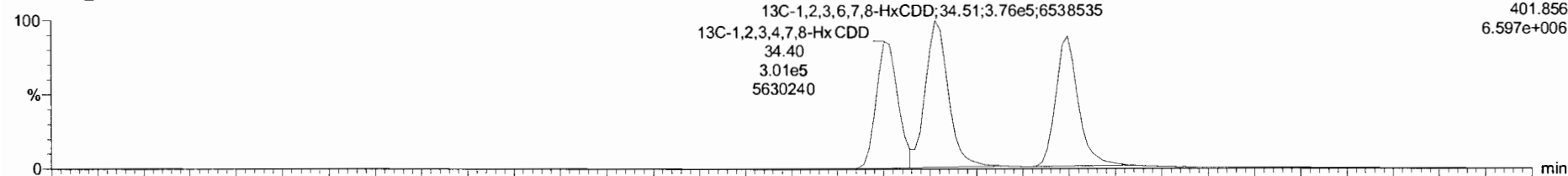


190507K1_7

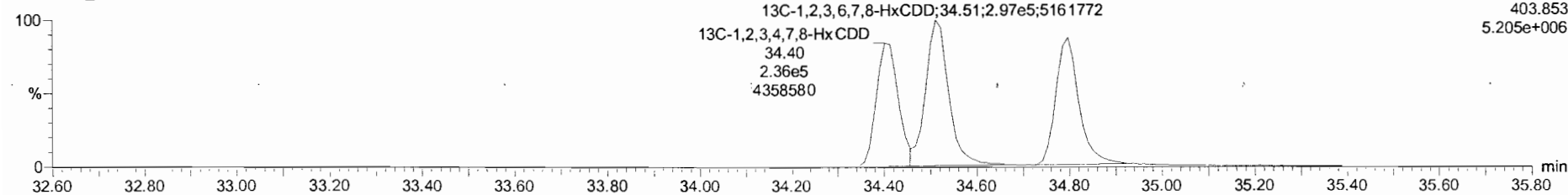


13C-1,2,3,4,7,8-HxCDD

190507K1_7



190507K1_7

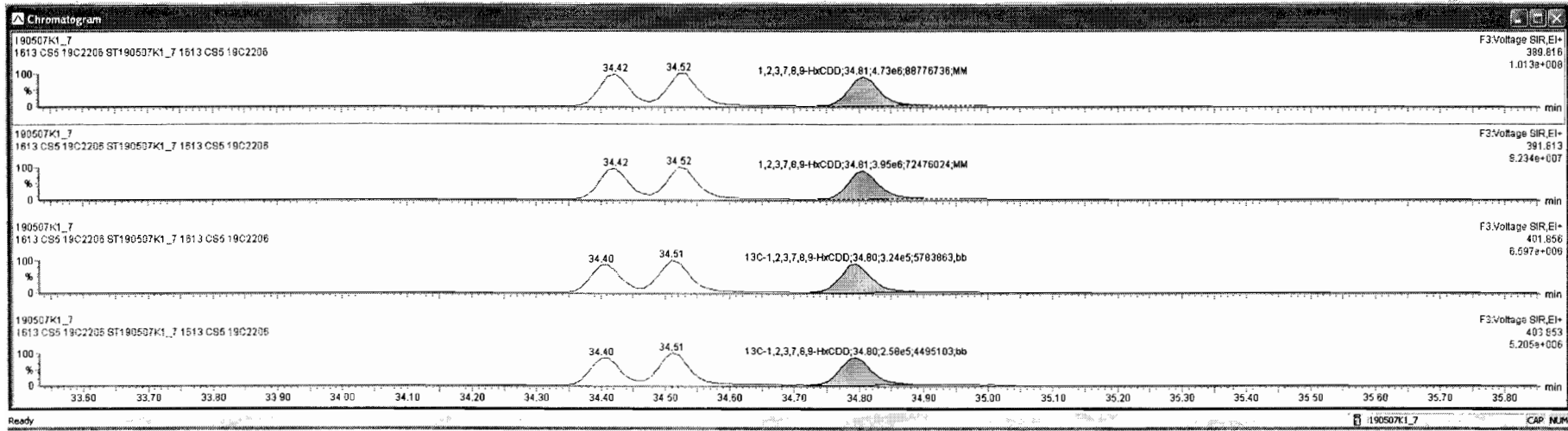


Target: ynx - 190507K1-CRV.qld

File Edit View Display Processing Window Help

190507K1_7 - ST190507K1_7 1613 CS5 19C2206 - 1613 CS5 19C2206

#	Name	Resp	RA	IV	RRF	wtVol	RT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.60e6	0.76	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2	1,2,3,7,8-PeCDD	1.00e7	0.62	NO	0.90	1.000	31.14	1.001	1610	107	0.0869	1610
3	1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1660	111	0.470	1660
4	1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1560	104	0.446	1560
5	1,2,3,7,8,9-HxCDD	8.89e6	1.20	NO	0.96	1.000	34.81	1.000	1530	102	0.497	1530
6	1,2,3,4,6,7,8-HpCDD	7.58e6	1.05	NO	1.04	1.000	38.31	1.000	1570	105	0.634	1570
7	OCDD	1.35e7	0.90	NO	0.97	1.000	41.48	1.000	3210	107	1.20	3210
8	2,3,7,8-TCDF	3.44e6	0.76	NO	0.94	1.000	25.51	1.001	320	107	0.0867	320
9	1,2,3,7,8-PeCDF	1.58e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10	2,3,4,7,8-HxCDF	1.61e7	1.58	NO	1.00	1.000	30.86	1.001	1610	107	0.224	1610
11	1,2,3,4,7,8-HxCDF	1.38e7	1.24	NO	1.24	1.000	33.54	1.000	1580	105	0.629	1580
12	1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.68	1.000	1620	108	0.664	1620
13	2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1640	109	0.693	1640
14	1,2,3,7,8,9-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.19	1.001	1690	112	0.966	1690
15	1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.52	1.000	1620	108	0.852	1620
16	1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	38.87	1.000	1600	107	0.926	1600
17	OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	99.7	0.468	2960
18	13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.026	105	105	0.169	
19	13C-1,2,3,7,8-PeCDD	6.89e5	0.63	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20	13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.65	1.000	34.40	1.014	108	108	0.235	
21	13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.196	
22	13C-1,2,3,7,8,9-HxCDD	5.82e5	1.25	NO	0.66	1.000	34.80	1.026	115	115	0.231	
23	13C-1,2,3,4,6,7,8-HpCDD	4.85e5	1.07	NO	0.53	1.000	38.31	1.129	113	113	0.326	



Dataset: Untitled

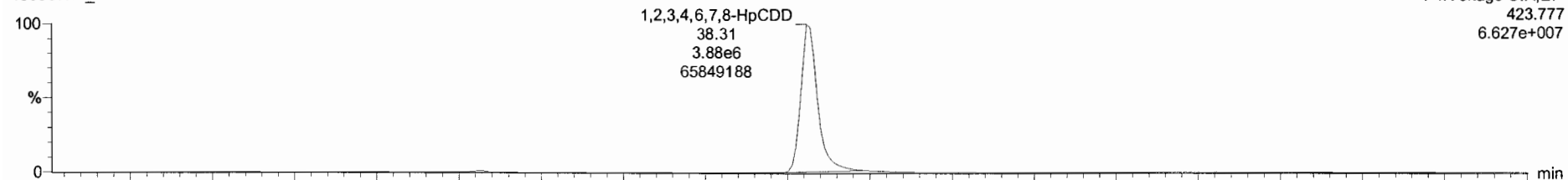
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

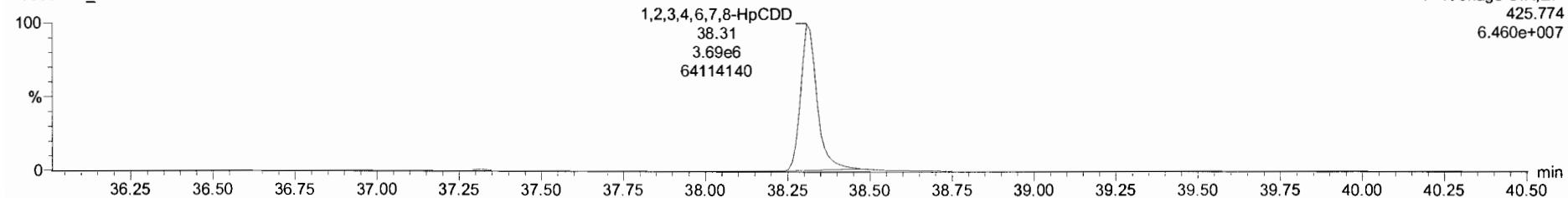
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

1,2,3,4,6,7,8-HpCDD

190507K1_7

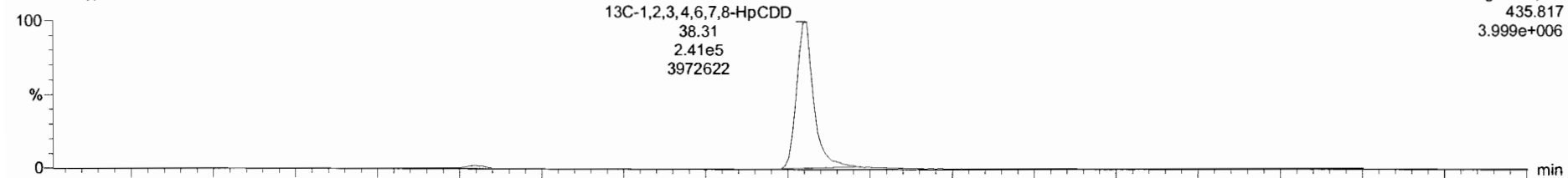


190507K1_7

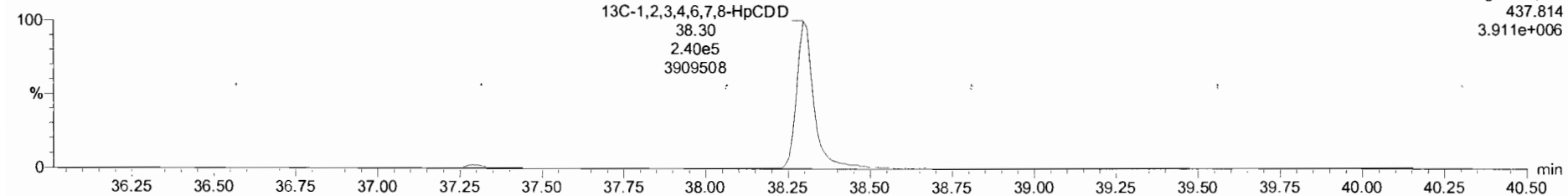


13C-1,2,3,4,6,7,8-HpCDD

190507K1_7



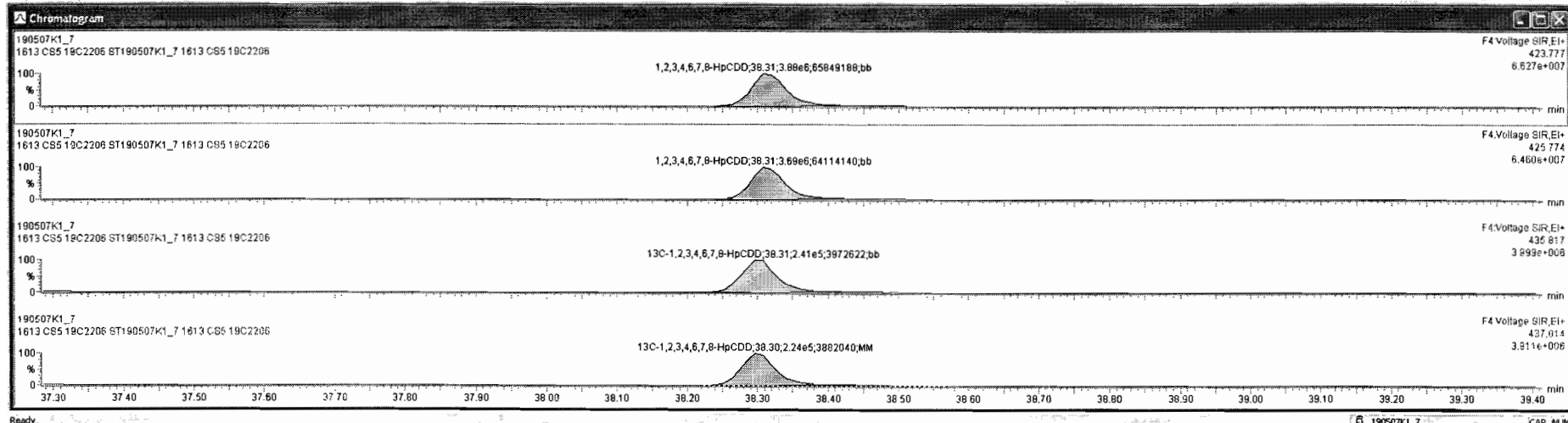
190507K1_7



TargetLynx - 190507K1_CRY.qld

190507K1_7 - ST190507K1_7 1613 CS5 19C2206 - 1613 CS5 19C2206

Peak	Name	Resp	RA	Inv	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1	2,3,7,8-TCDD	2.60e6	0.78	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2	1,2,3,7,8-PeCDD	1.00e7	0.62	NO	0.90	1.000	31.14	1.001	1610	107	0.0868	1610
3	1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1660	111	0.470	1660
4	1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1560	104	0.446	1560
5	1,2,3,7,8-HxCDD	6.68e6	1.20	NO	0.98	1.000	34.81	1.000	1530	102	0.497	1530
6	1,2,3,4,6,7,8-HpCDD	7.59e6	1.05	NO	1.04	1.000	36.31	1.000	1570	105	0.634	1570
7	OCDD	1.35e7	0.90	NO	0.97	1.000	41.46	1.000	3210	107	1.20	3210
8	2,3,7,8-TCDF	3.44e6	0.78	NO	0.94	1.000	25.51	1.001	320	107	0.0997	320
9	1,2,3,7,8-PeCDF	1.59e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10	2,3,4,7,8-PeCDF	1.61e7	1.58	NO	1.00	1.000	30.86	1.001	1610	107	0.234	1610
11	1,2,3,4,7,8-HxCDF	1.38e7	1.24	NO	1.24	1.000	33.54	1.000	1580	105	0.629	1580
12	1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.66	1.000	1620	108	0.664	1620
13	2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1540	109	0.693	1540
14	1,2,3,7,8-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.19	1.001	1690	112	0.966	1690
15	1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.92	1.000	1620	108	0.892	1620
16	1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	36.87	1.000	1600	107	0.926	1600
17	OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	98.7	0.468	2960
18	13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.026	105	105	0.169	
19	13C-1,2,3,7,8-PeCDD	6.89e5	0.63	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20	13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.65	1.000	34.40	1.014	108	108	0.235	
21	13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.198	
22	13C-1,2,3,7,8-HxCDD	5.82e5	1.25	NO	0.66	1.000	34.80	1.026	115	115	0.231	
23	13C-1,2,3,4,6,7,8-HpCDD	4.65e5	1.07	NO	0.53	1.000	36.31	1.129	113	113	0.326	

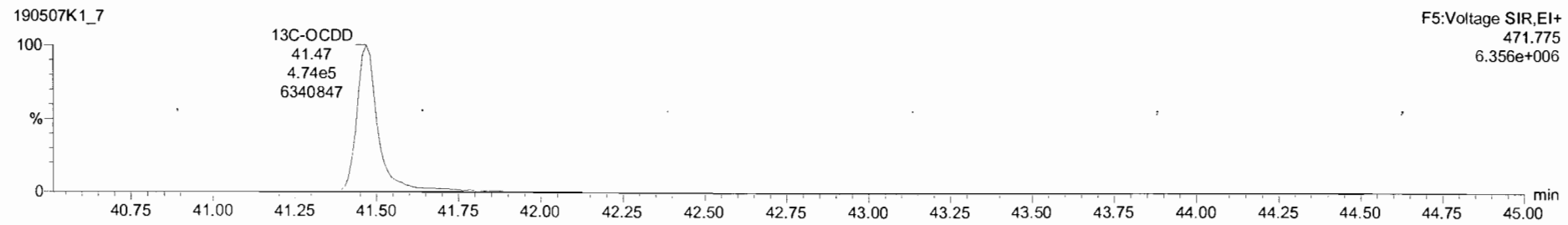
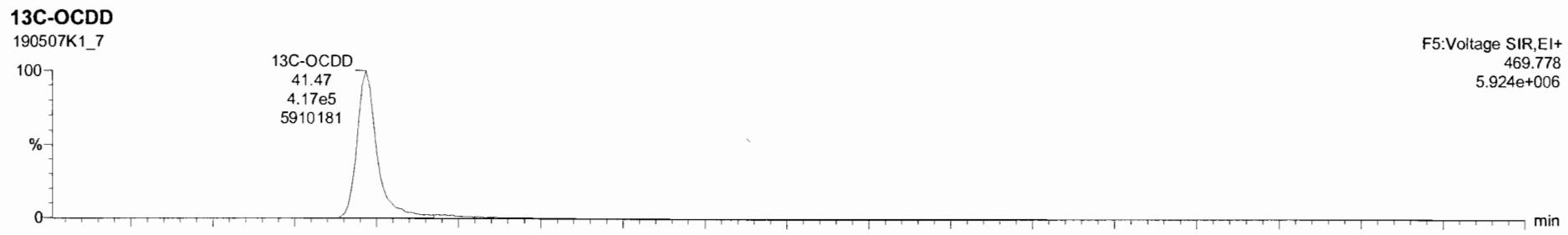
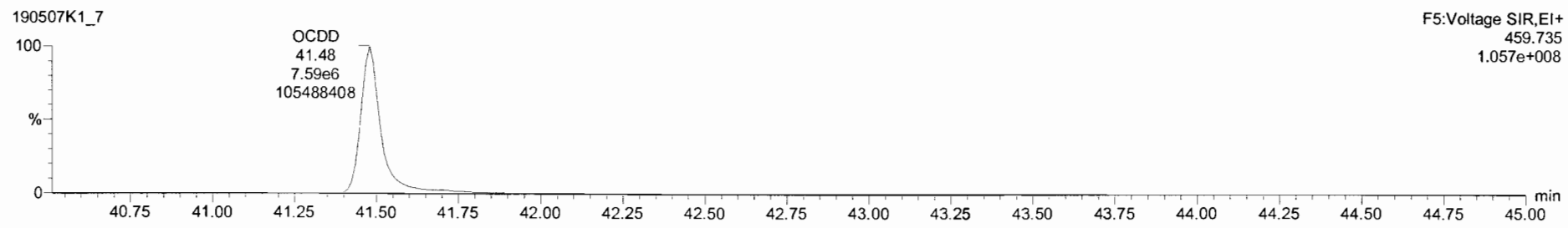
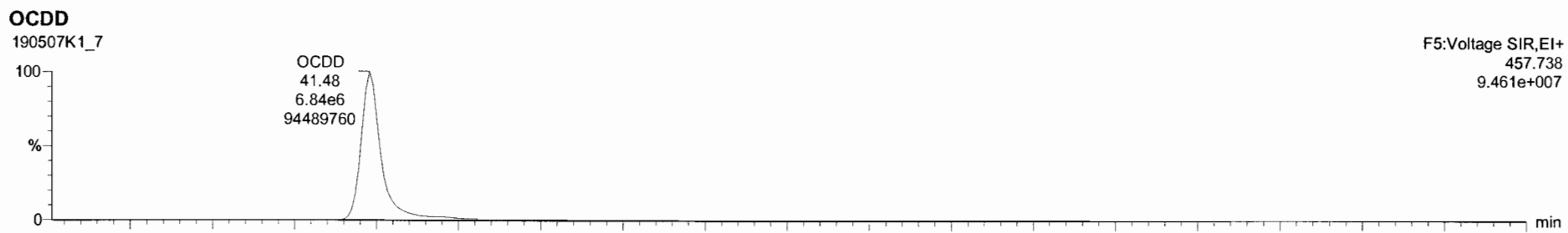


Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

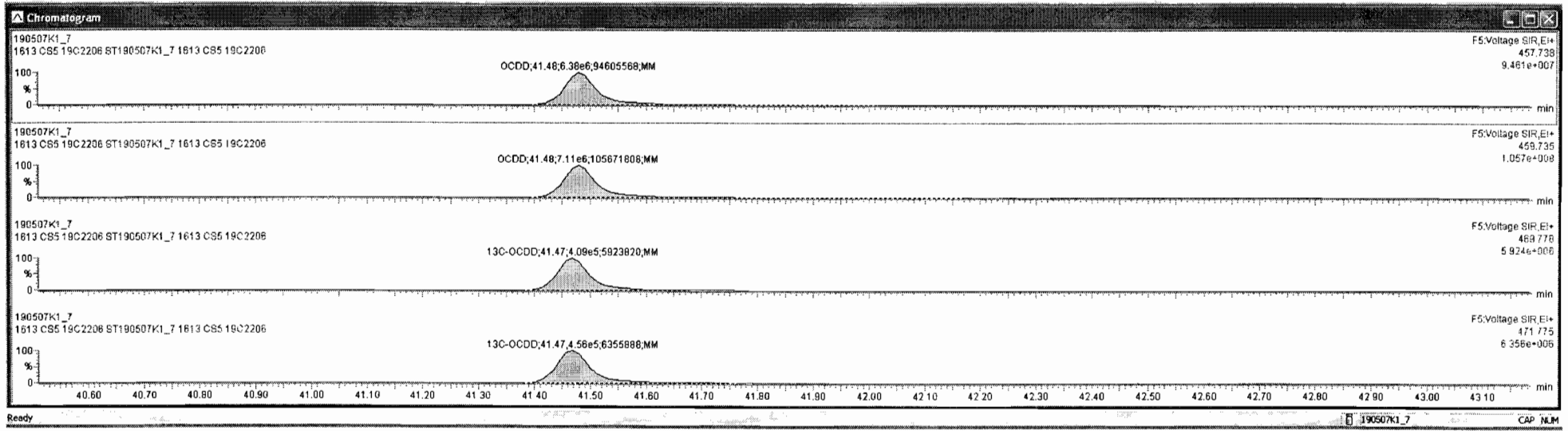
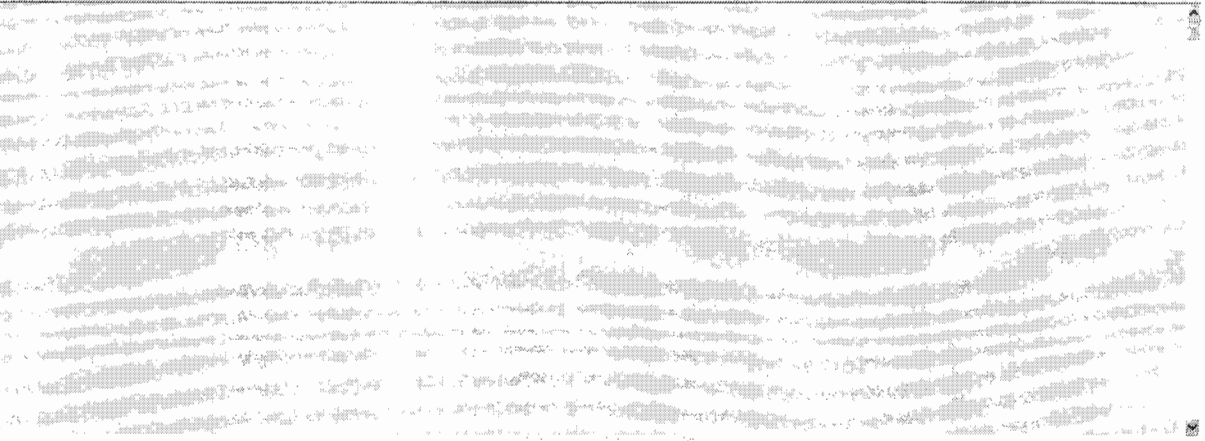
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206



190507K1_7 - ST190507K1_7 1613 CS5 19C2206 - 1613 CS5 19C2206

Name	Resp	RA	nV	RRF	wtVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.60e6	0.78	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2 1,2,3,7,8-PeCDD	1.00e7	0.62	NO	0.90	1.000	31.14	1.001	1610	107	0.0868	1610
3 1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1660	111	0.470	1660
4 1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1590	104	0.446	1560
5 1,2,3,7,8,9-HxCDD	8.68e6	1.20	NO	0.98	1.000	34.81	1.000	1530	102	0.497	1530
6 1,2,3,4,6,7,8-HpCDD	7.58e6	1.05	NO	1.04	1.000	38.31	1.000	1570	105	0.634	1570
7 OCDD	1.35e7	0.90	NO	0.97	1.000	41.46	1.000	3210	107	1.20	3210
8 2,3,7,8-TCDF	3.44e6	0.78	NO	0.94	1.000	25.51	1.001	320	107	0.0867	320
9 1,2,3,7,8-PeCDF	1.58e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10 2,3,4,7,8-PeCDF	1.61e7	1.58	NO	1.00	1.000	30.86	1.001	1610	107	0.234	1610
11 1,2,3,4,7,8-HxCDF	1.38e7	1.24	NO	1.24	1.000	33.54	1.000	1590	105	0.629	1590
12 1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.68	1.000	1620	108	0.664	1620
13 2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1640	109	0.693	1640
14 1,2,3,7,8,9-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.19	1.001	1690	112	0.966	1690
15 1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.92	1.000	1620	108	0.892	1620
16 1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	36.67	1.000	1600	107	0.926	1600
17 OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	98.7	0.466	2960
18 13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.026	105	105	0.169	
19 13C-1,2,3,7,8-PeCDD	6.89e5	0.63	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20 13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.85	1.000	34.40	1.014	108	108	0.235	
21 13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.196	
22 13C-1,2,3,7,8,9-HxCDD	5.82e5	1.25	NO	0.66	1.000	34.80	1.026	115	115	0.231	
23 13C-1,2,3,4,6,7,8-HpCDD	4.85e5	1.07	NO	0.53	1.000	38.31	1.129	113	113	0.326	



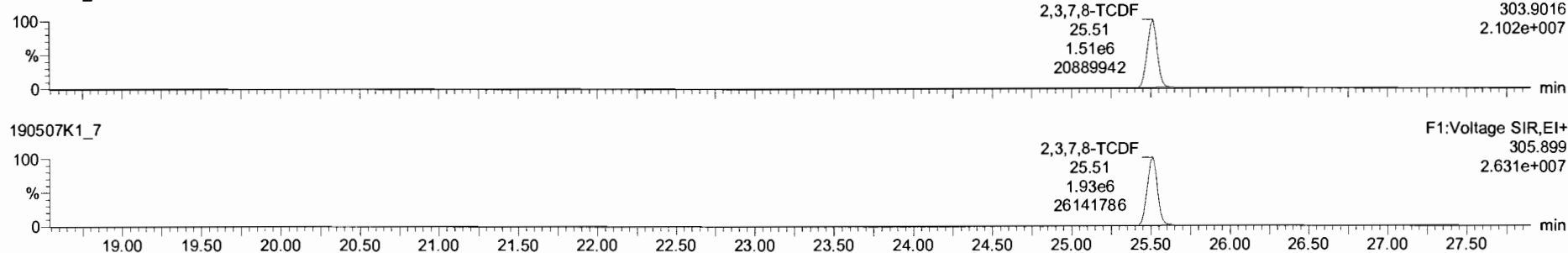
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

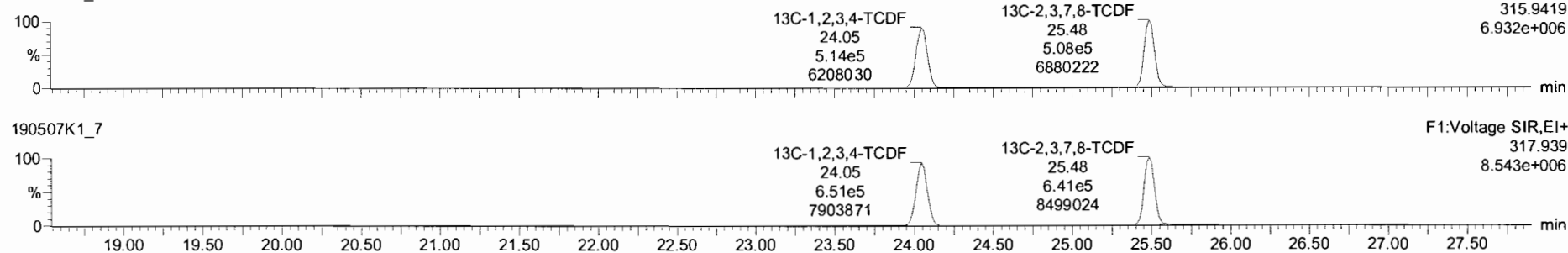
2,3,7,8-TCDF

190507K1_7



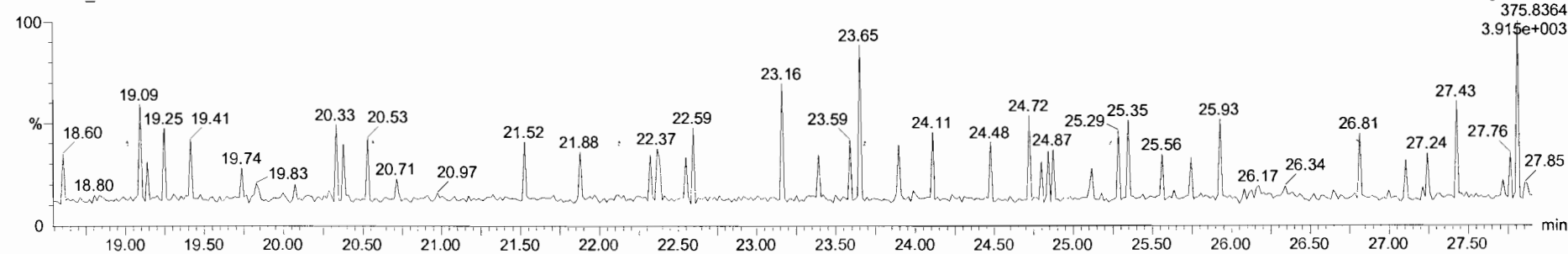
13C-2,3,7,8-TCDF

190507K1_7



DPE1

190507K1_7



Dataset: Untitled

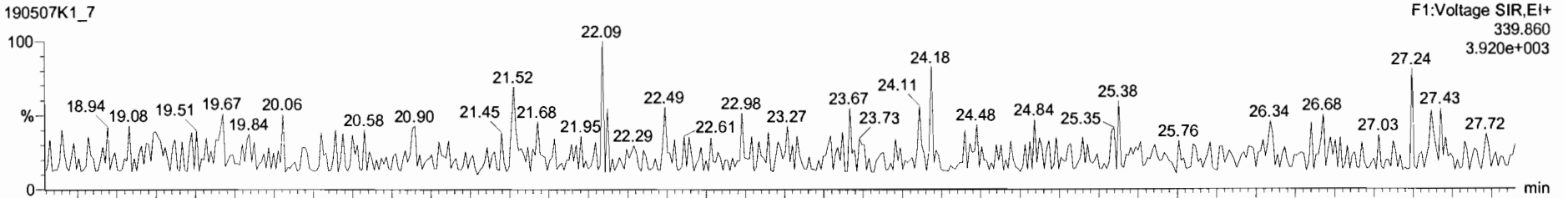
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

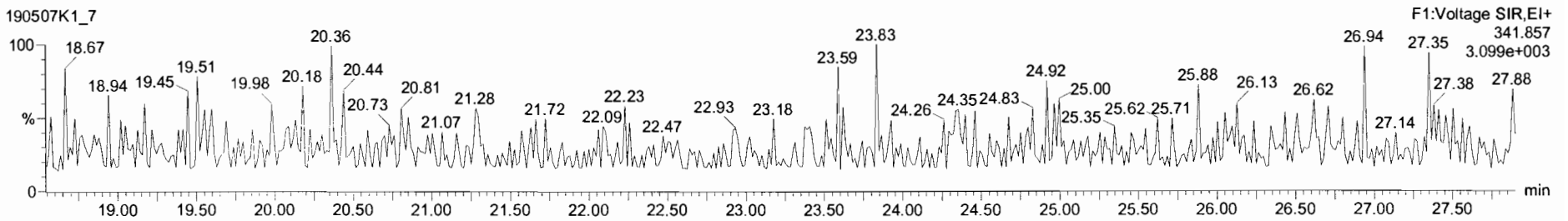
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

1st Func. Penta-Furans

190507K1_7

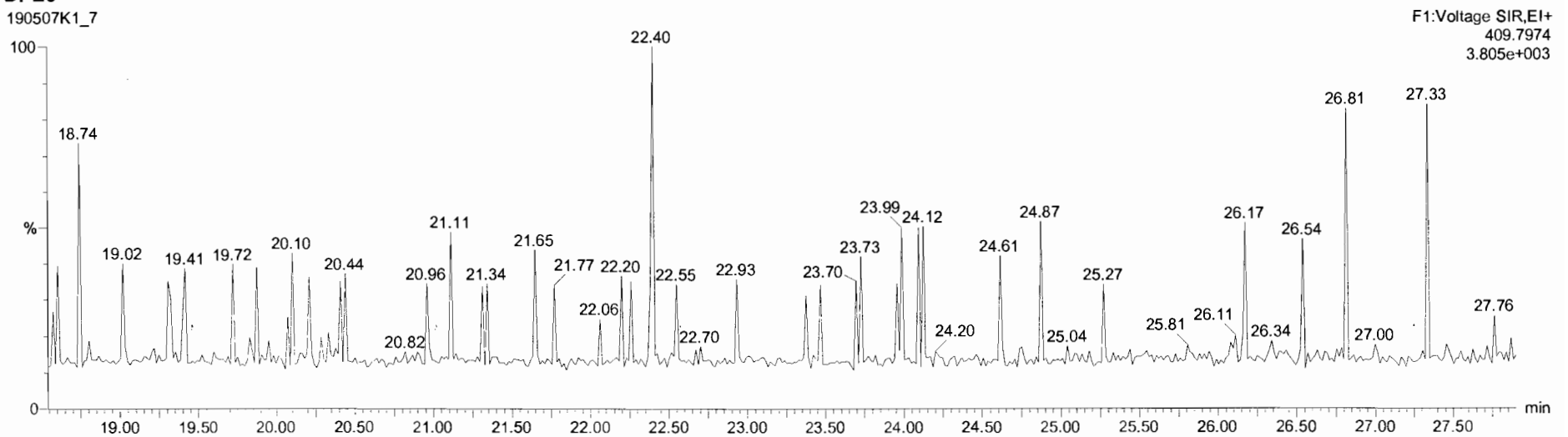


190507K1_7



DPE6

190507K1_7



Dataset: Untitled

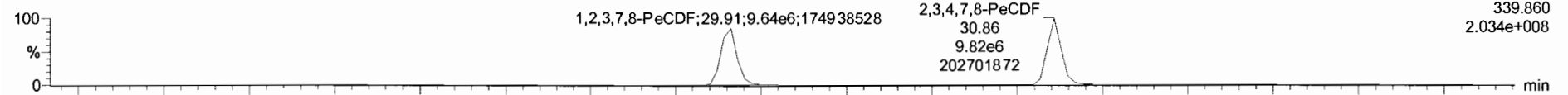
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

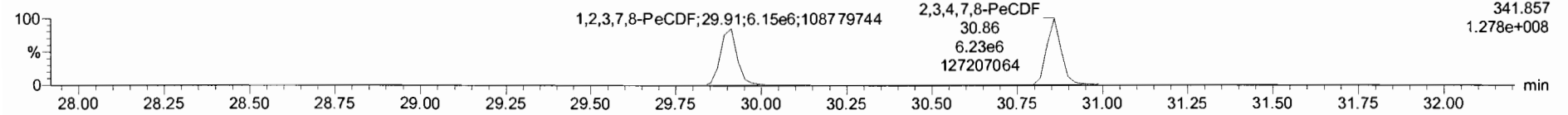
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

1,2,3,7,8-PeCDF

190507K1_7

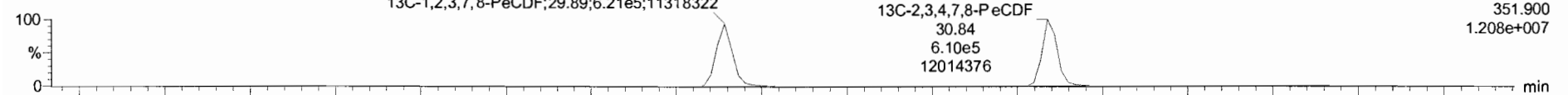


190507K1_7

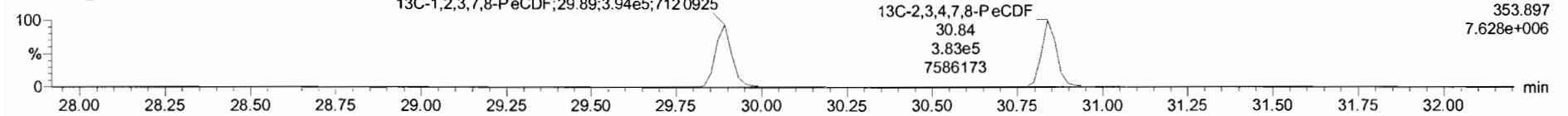


13C-1,2,3,7,8-PeCDF

190507K1_7

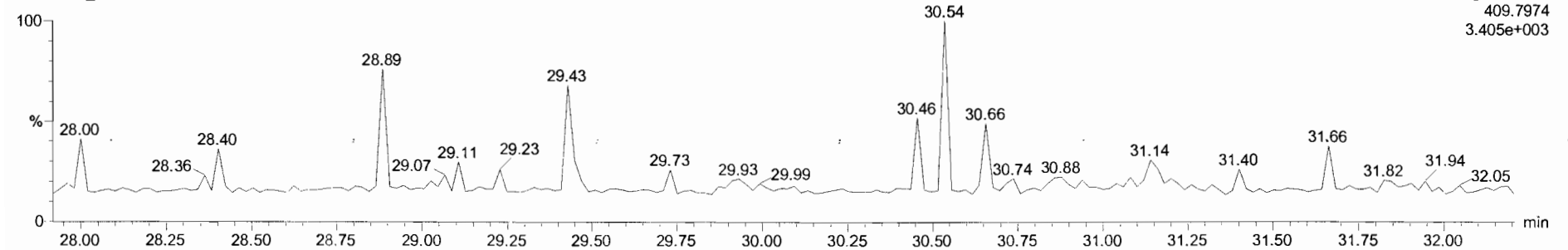


190507K1_7



DPE2

190507K1_7



Dataset: Untitled

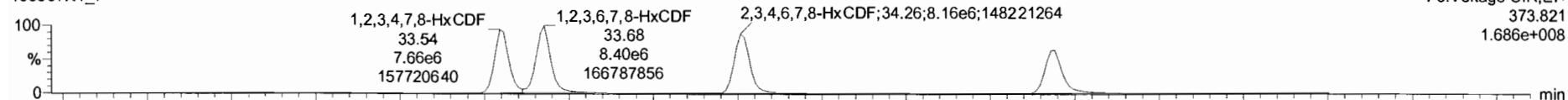
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

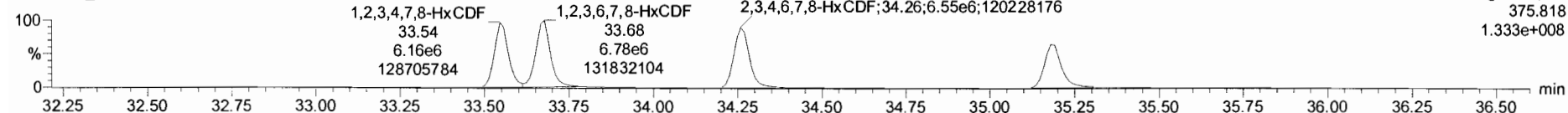
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

1,2,3,4,7,8-HxCDF

190507K1_7

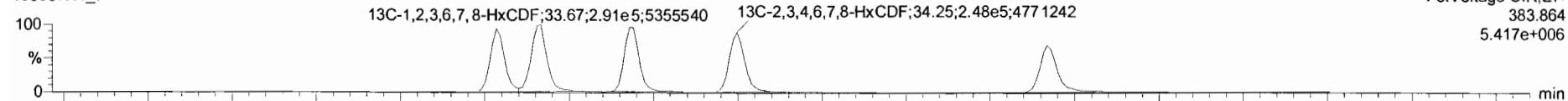


190507K1_7

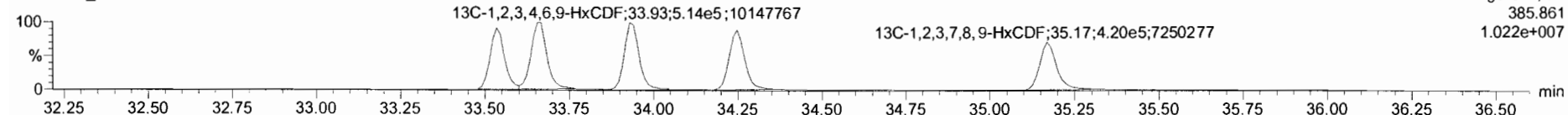


13C-1,2,3,4,7,8-HxCDF

190507K1_7

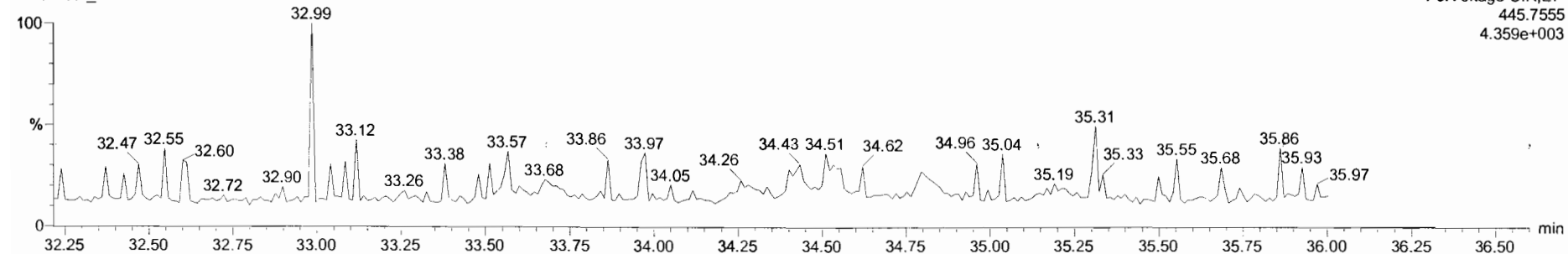


190507K1_7

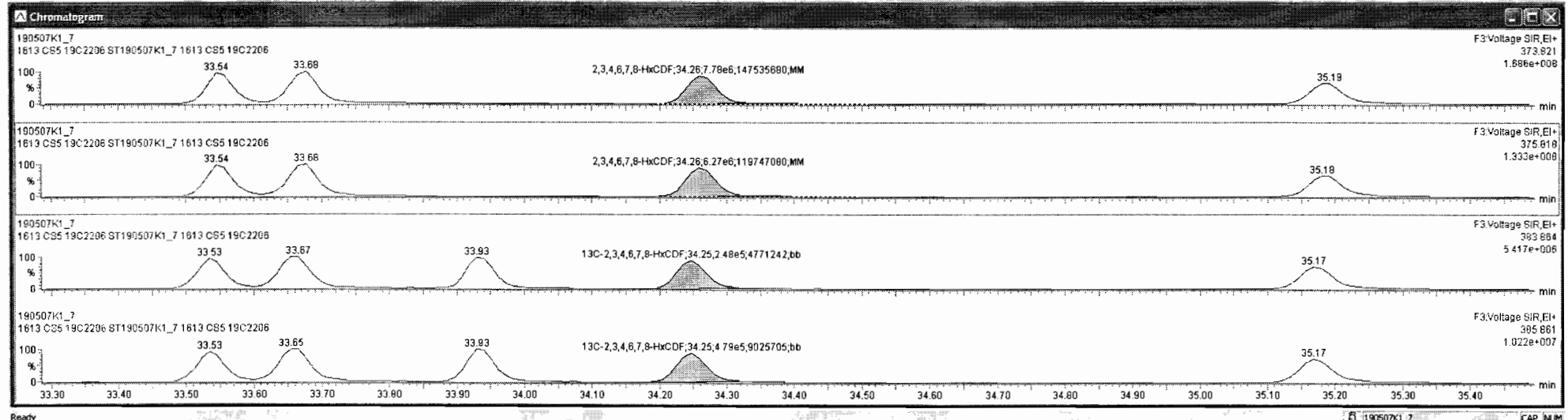
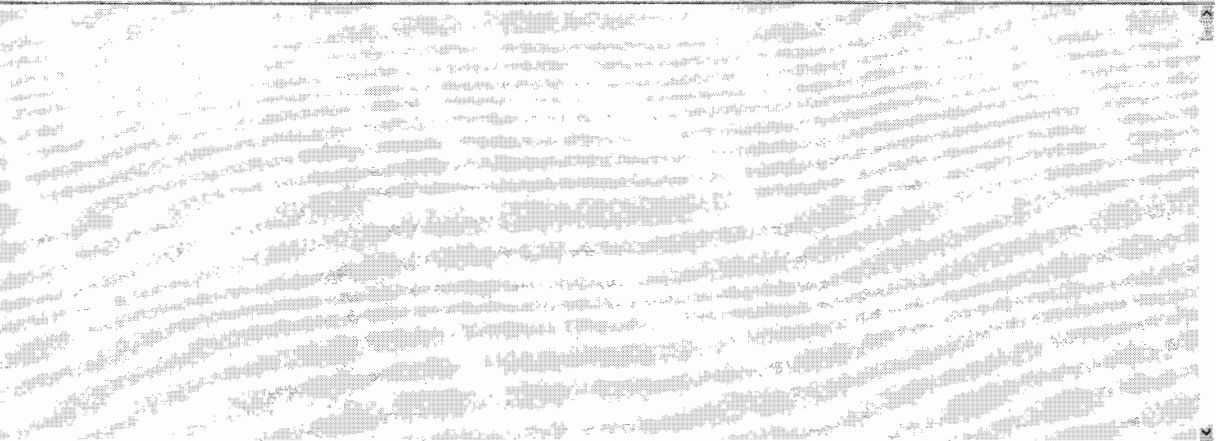


DPE3

190507K1_7

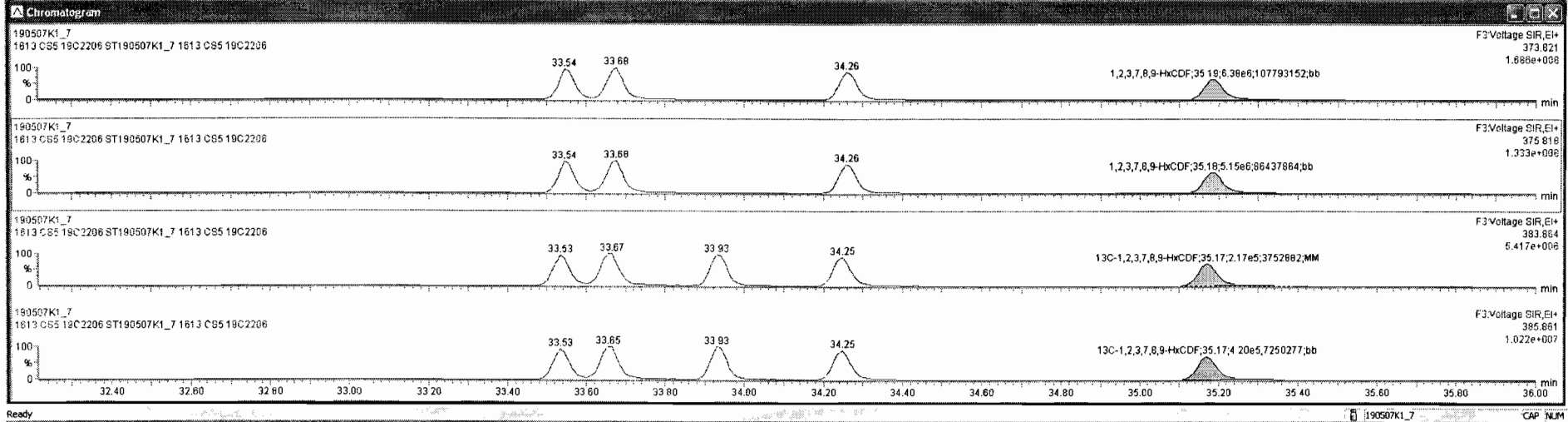
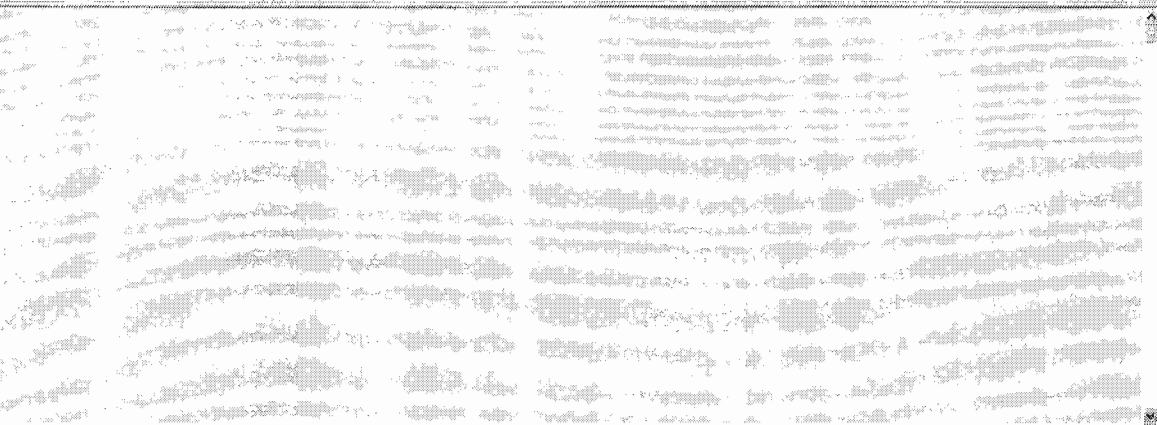


Name	Resp	RA	nAy	RRF	wt/vol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.60e6	0.78	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2 1,2,3,7,8-PeCDD	1.00e7	0.62	NO	0.90	1.000	31.14	1.001	1610	107	0.0868	1610
3 1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1660	111	0.470	1660
4 1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1560	104	0.446	1560
5 1,2,3,7,8,9-HxCDD	8.88e6	1.20	NO	0.98	1.000	34.81	1.000	1530	102	0.497	1530
6 1,2,3,4,6,7,8-HpCDD	7.58e6	1.05	NO	1.04	1.000	38.31	1.000	1570	105	0.634	1570
7 OCDD	1.35e7	0.90	NO	0.97	1.000	41.48	1.000	3210	107	1.20	3210
8 2,3,7,8-TCDF	3.44e6	0.78	NO	0.94	1.000	25.51	1.001	320	107	0.0887	320
9 1,2,3,7,8-PeCDF	1.58e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10 2,3,4,7,8-PeCDF	1.61e7	1.58	NO	1.00	1.000	30.86	1.001	1610	107	0.234	1610
11 1,2,3,4,7,8-HxCDF	1.38e7	1.24	NO	1.24	1.000	33.54	1.000	1580	105	0.529	1580
12 1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.68	1.000	1620	108	0.664	1620
13 2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1490	109	0.683	1490
14 1,2,3,7,8,9-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.19	1.001	1690	112	0.966	1690
15 1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.92	1.000	1620	108	0.852	1620
16 1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	38.87	1.000	1600	107	0.926	1600
17 OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	98.7	0.468	2960
18 13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.026	105	105	0.169	
19 13C-1,2,3,7,8-PeCDD	6.89e5	0.63	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20 13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.55	1.000	34.40	1.014	108	108	0.235	
21 13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.196	
22 13C-1,2,3,7,8,9-HxCDD	5.82e5	1.25	NO	0.86	1.000	34.80	1.026	115	115	0.231	
23 13C-1,2,3,4,6,7,8-HpCDD	4.65e5	1.07	NO	0.53	1.000	38.31	1.129	113	113	0.326	



190507K1_7-ST190507K1_7_1613 CS5 19C2206 - 1613 CS5 19C2206

Name	Resp	RA	RY	RRF	wt/val	RT	RRF	Conc	%Rec	DL	EMPG
1 2,3,7,8-TCDD	2.60e6	0.78	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2 1,2,3,7,8-PeCDD	1.00e7	0.62	NO	0.90	1.000	31.14	1.001	1610	107	0.0868	1610
3 1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1680	111	0.470	1680
4 1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1560	104	0.446	1560
5 1,2,3,7,8,9-HxCDD	8.68e6	1.20	NO	0.99	1.000	34.81	1.000	1530	102	0.497	1530
6 1,2,3,4,6,7,8-HpCDD	7.58e6	1.05	NO	1.04	1.000	38.31	1.000	1570	105	0.634	1570
7 OCDD	1.35e7	0.90	NO	0.97	1.000	41.46	1.000	3210	107	1.20	3210
8 2,3,7,8-TCDF	3.44e6	0.78	NO	0.94	1.000	25.51	1.001	320	107	0.0887	320
9 1,2,3,7,8-PeCDF	1.58e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10 2,3,4,7,8-PeCDF	1.81e7	1.58	NO	1.00	1.000	30.66	1.001	1610	107	0.234	1610
11 1,2,3,4,7,8-HxCDF	1.38e7	1.24	NO	1.24	1.000	33.54	1.000	1580	105	0.629	1580
12 1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.68	1.000	1620	108	0.664	1620
13 2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1640	109	0.693	1640
14 1,2,3,7,8,9-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.13	1.001	1690	112	0.968	1690
15 1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.92	1.000	1620	108	0.892	1620
16 1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	36.87	1.000	1600	107	0.928	1600
17 OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	98.7	0.468	2960
18 13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.026	105	105	0.169	
19 13C-1,2,3,7,8-PeCDD	6.89e5	0.63	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20 13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.65	1.000	34.40	1.014	108	108	0.235	
21 13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.196	
22 13C-1,2,3,7,8,9-HxCDD	5.82e5	1.25	NO	0.66	1.000	34.80	1.026	115	115	0.231	
23 13C-1,2,3,4,6,7,8-HpCDD	4.65e5	1.07	NO	0.53	1.000	38.31	1.129	113	113	0.326	

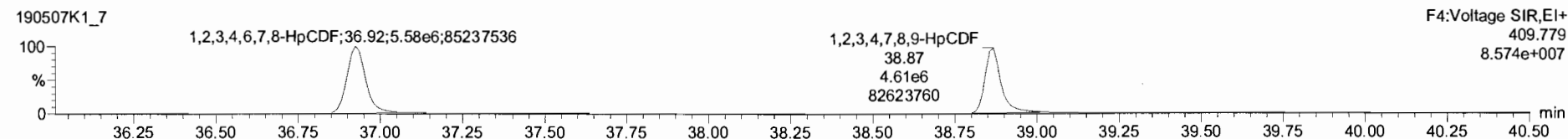
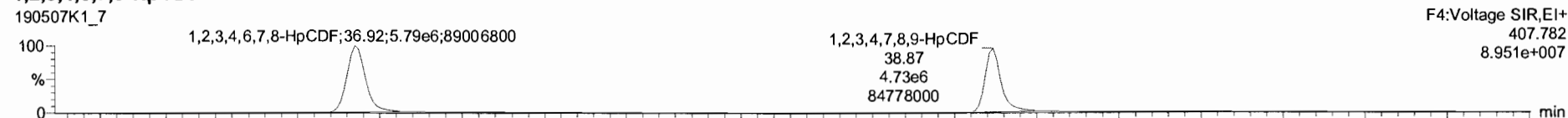


Dataset: Untitled

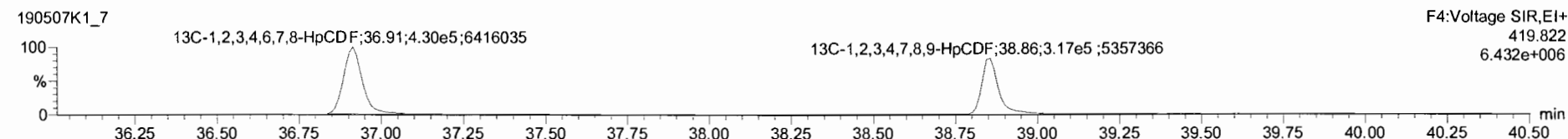
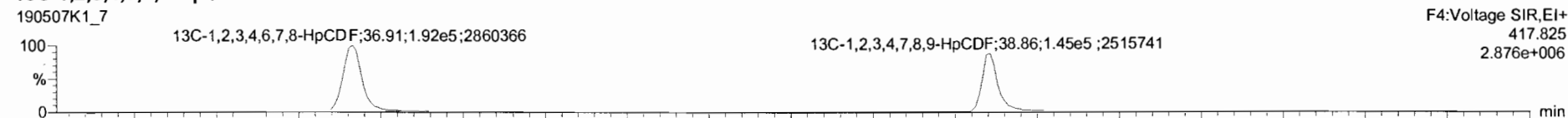
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

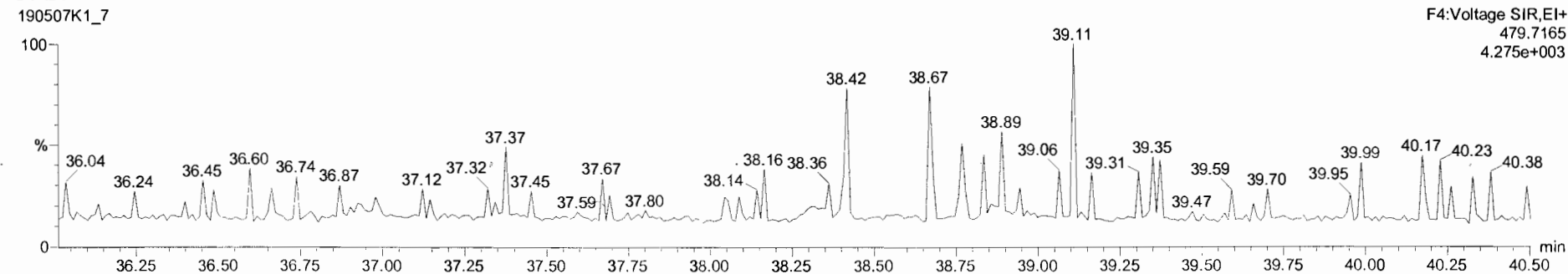
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4



Dataset: Untitled

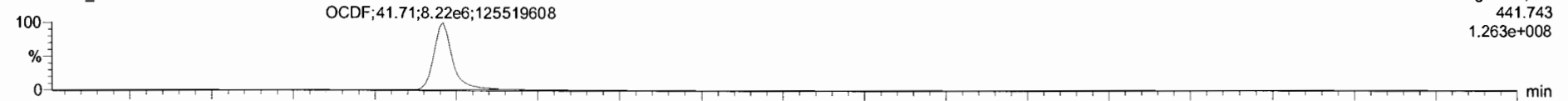
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

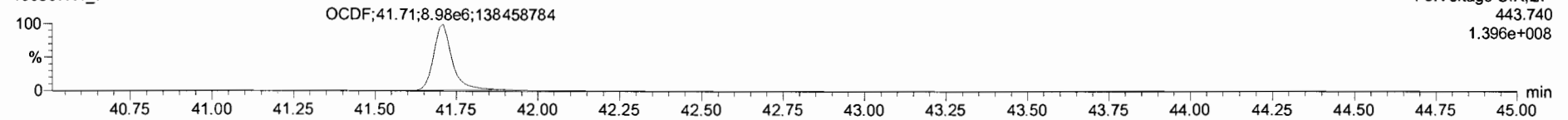
Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

OCDF

190507K1_7

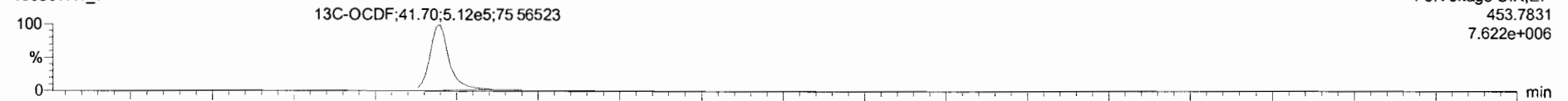


190507K1_7

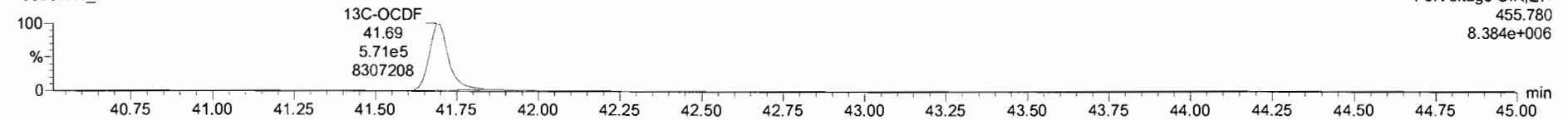


13C-OCDF

190507K1_7

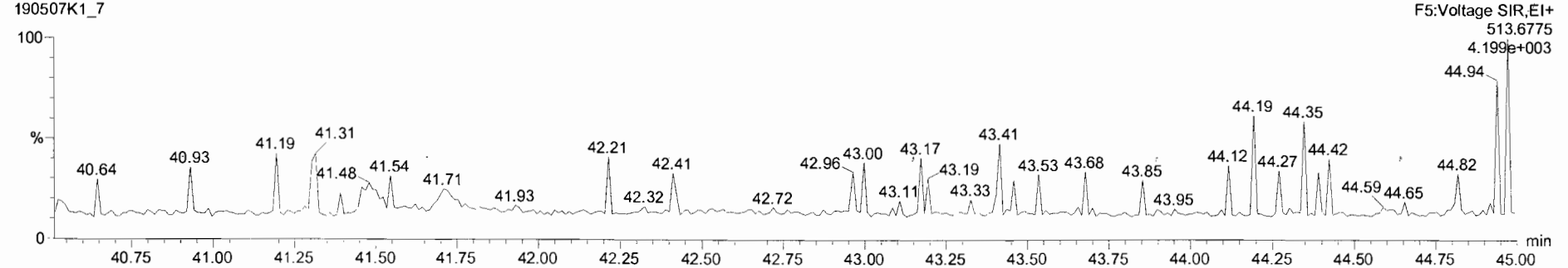


190507K1_7

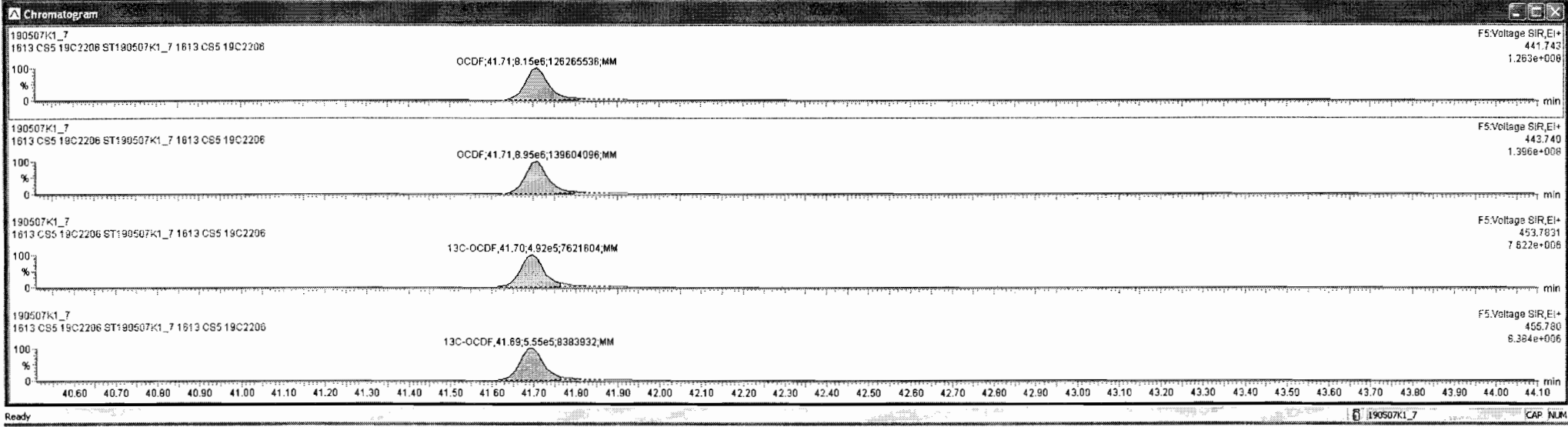


DPE5

190507K1_7



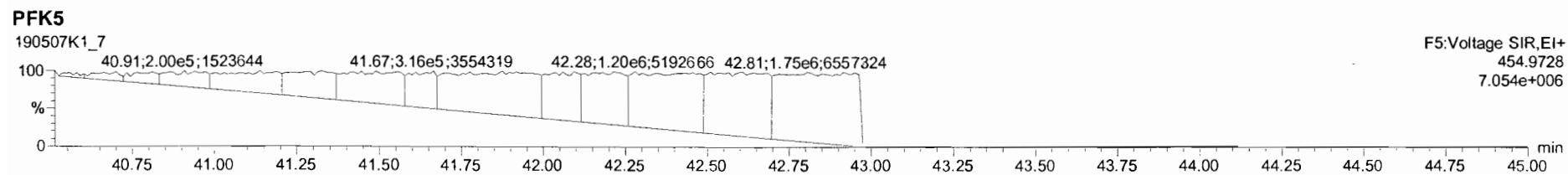
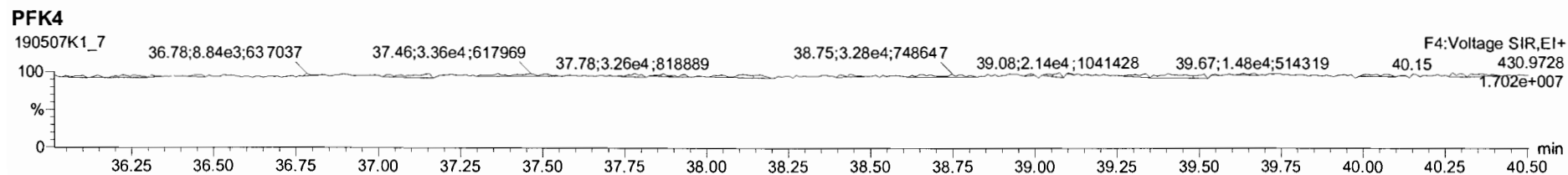
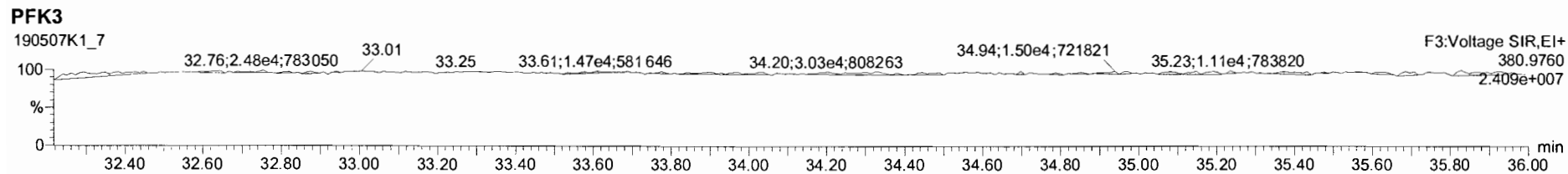
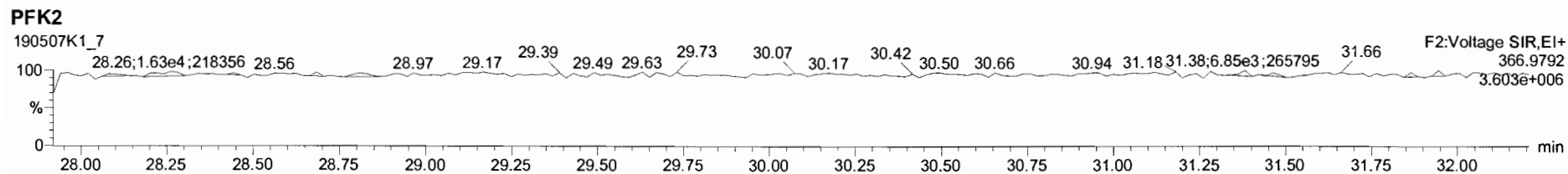
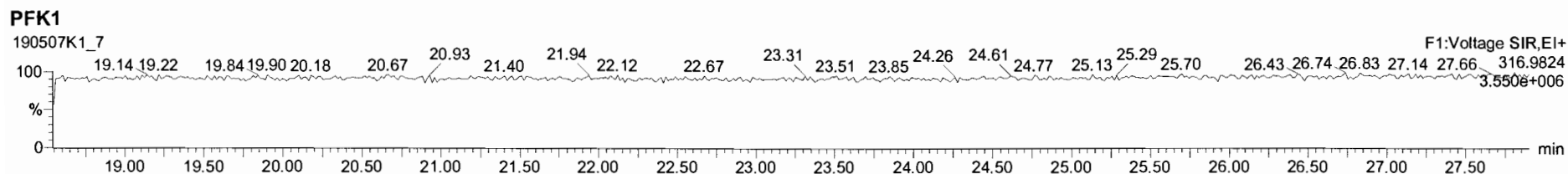
Name	Resp	RA	nly	RFF	wMVol	RT	RRT	Conc	%Rec	DL	EMPC
1 2,3,7,8-TCDD	2.60e6	0.78	NO	0.92	1.000	26.36	1.001	316	105	0.0742	316
2 1,2,3,7,8-PeCDD	1.00e7	0.82	NO	0.90	1.000	31.14	1.001	1610	107	0.0868	1610
3 1,2,3,4,7,8-HxCDD	9.53e6	1.25	NO	1.07	1.000	34.42	1.001	1660	111	0.470	1660
4 1,2,3,6,7,8-HxCDD	1.02e7	1.25	NO	0.97	1.000	34.52	1.000	1560	104	0.446	1560
5 1,2,3,7,8,9-HxCDD	8.68e6	1.20	NO	0.98	1.000	34.81	1.000	1530	102	0.497	1530
6 1,2,3,4,6,7,8-HpCDD	7.58e6	1.05	NO	1.04	1.000	38.31	1.000	1570	105	0.634	1570
7 OCDD	1.35e7	0.90	NO	0.97	1.000	41.48	1.000	3210	107	1.20	3210
8 2,3,7,8-TCDF	3.44e6	0.78	NO	0.94	1.000	25.51	1.001	320	107	0.0887	320
9 1,2,3,7,8-PeCDF	1.58e7	1.57	NO	0.97	1.000	29.91	1.001	1600	106	0.255	1600
10 2,3,4,7,8-PeCDF	1.61e7	1.58	NO	1.00	1.000	30.86	1.001	1610	107	0.234	1610
11 1,2,3,4,7,8-HxCDF	1.36e7	1.24	NO	1.24	1.000	33.54	1.000	1590	105	0.628	1590
12 1,2,3,6,7,8-HxCDF	1.52e7	1.24	NO	1.10	1.000	33.68	1.000	1620	108	0.664	1620
13 2,3,4,6,7,8-HxCDF	1.40e7	1.24	NO	1.18	1.000	34.26	1.000	1640	109	0.693	1640
14 1,2,3,7,8,9-HxCDF	1.15e7	1.24	NO	1.07	1.000	35.19	1.001	1690	112	0.966	1690
15 1,2,3,4,6,7,8-HpCDF	1.14e7	1.04	NO	1.13	1.000	36.92	1.000	1620	108	0.892	1620
16 1,2,3,4,7,8,9-HpCDF	9.34e6	1.03	NO	1.26	1.000	38.87	1.000	1600	107	0.926	1600
17 OCDF	1.71e7	0.91	NO	1.10	1.000	41.71	1.000	2960	96.7	0.468	2960
18 13C-2,3,7,8-TCDD	8.87e5	0.78	NO	1.05	1.000	26.34	1.026	105	105	0.169	
19 13C-1,2,3,7,8-PeCDD	6.89e5	0.83	NO	0.74	1.000	31.12	1.212	115	115	0.166	
20 13C-1,2,3,4,7,8-HxCDD	5.37e5	1.27	NO	0.65	1.000	34.40	1.014	108	108	0.235	
21 13C-1,2,3,6,7,8-HxCDD	6.73e5	1.27	NO	0.78	1.000	34.51	1.017	113	113	0.196	
22 13C-1,2,3,7,8,9-HxCDD	5.82e5	1.25	NO	0.66	1.000	34.80	1.026	115	115	0.231	
23 13C-1,2,3,4,6,7,8-HpCDD	4.65e5	1.07	NO	0.53	1.000	38.31	1.129	113	113	0.326	



Dataset: Untitled

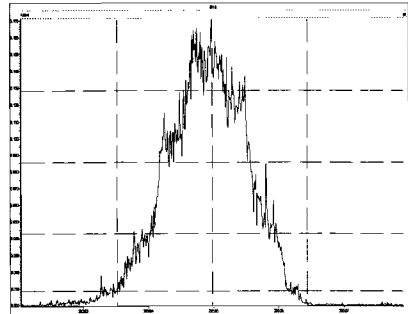
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_7, Date: 07-May-2019, Time: 15:27:02, ID: ST190507K1_7 1613 CS5 19C2206, Description: 1613 CS5 19C2206

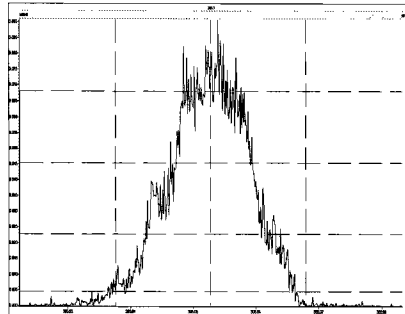


Printed: Tuesday, May 07, 2019 17:12:33 Pacific Daylight Time

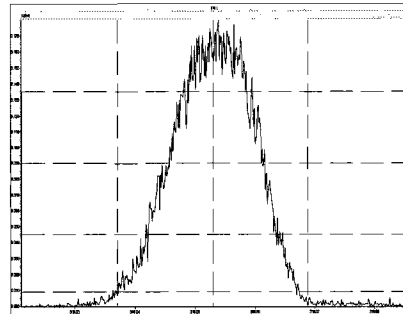
M 292.9824 R 10916



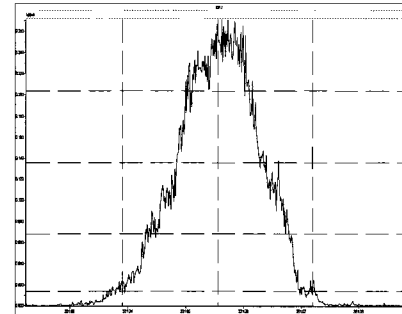
M 304.9824 R 10795



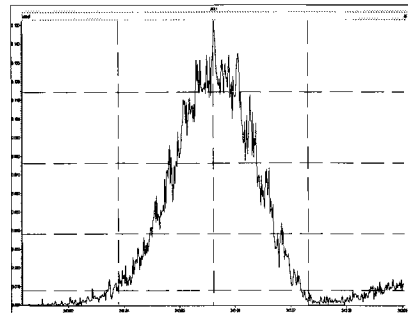
M 318.9792 R 10616



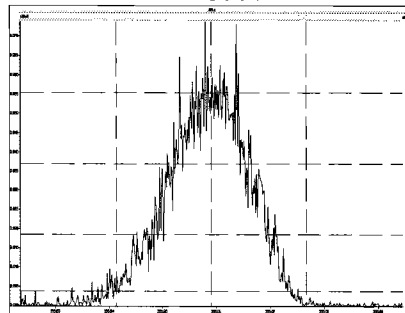
M 330.9792 R 10712



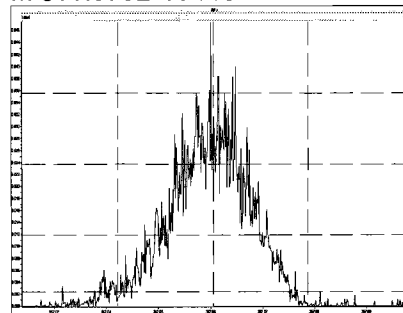
M 342.9792 R 10225



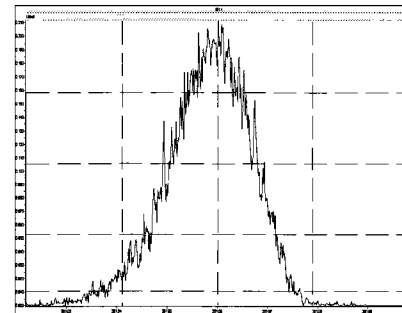
M 354.9792 R 10661



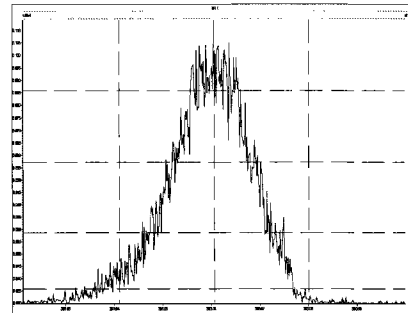
M 366.9792 R 11900



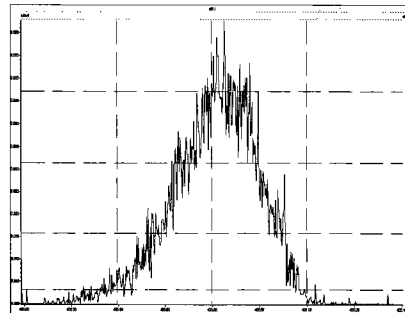
M 380.9760 R 10163



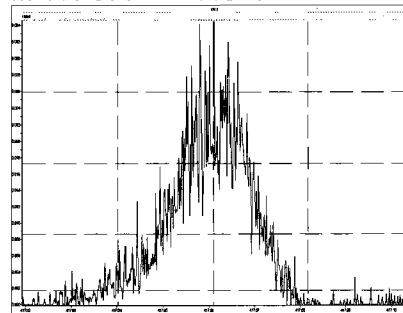
M 392.9760 R 10481



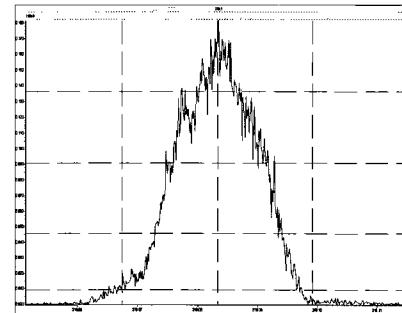
M 404.9760 R 10930



M 416.9760 R 11876

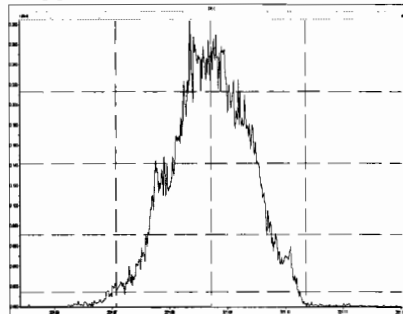


M 318.9792 R 10663

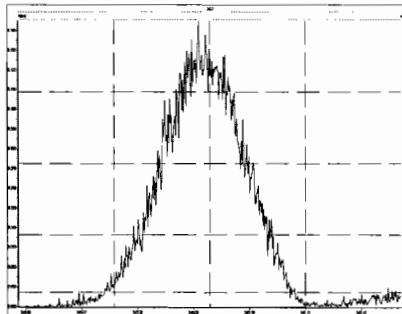


Printed: Tuesday, May 07, 2019 17:12:33 Pacific Daylight Time

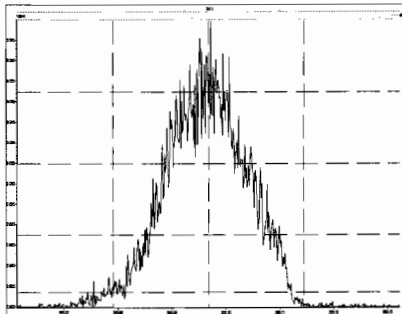
M 330.9792 R 10310



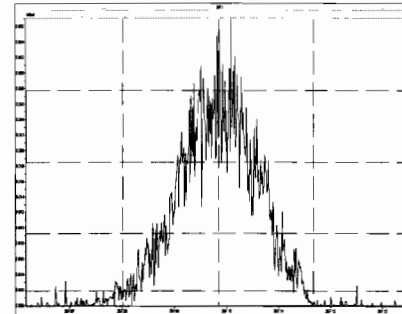
M 342.9792 R 10373



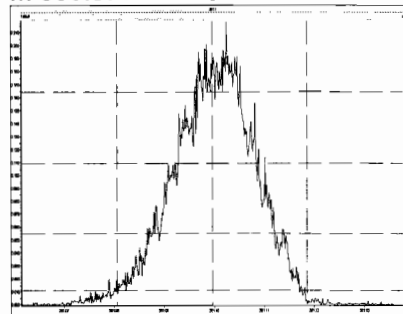
M 354.9792 R 10990



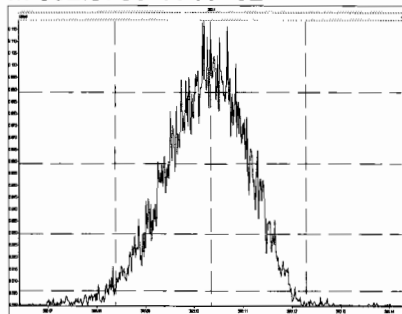
M 366.9792 R 11887



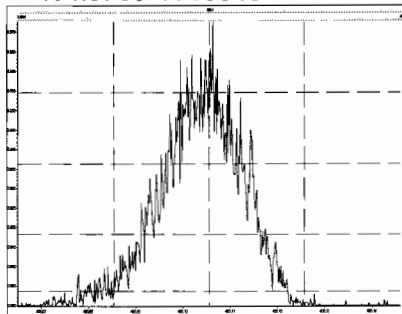
M 380.9760 R 10292



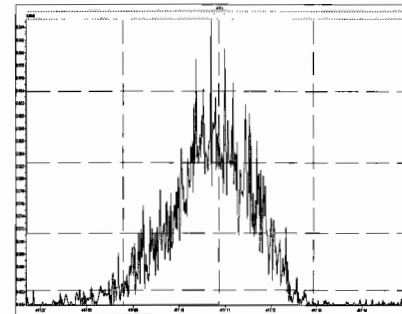
M 392.9760 R 10752



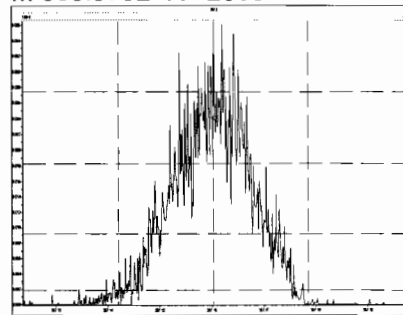
M 404.9760 R 10846



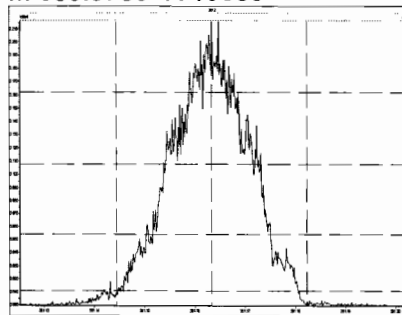
M 416.9760 R 12627



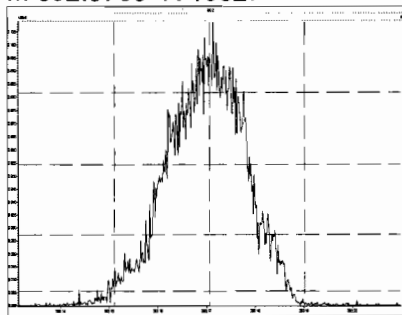
M 366.9792 R 12059



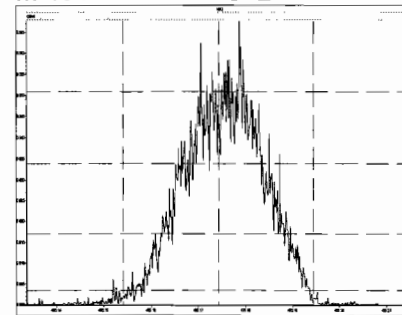
M 380.9760 R 10638



M 392.9760 R 10827

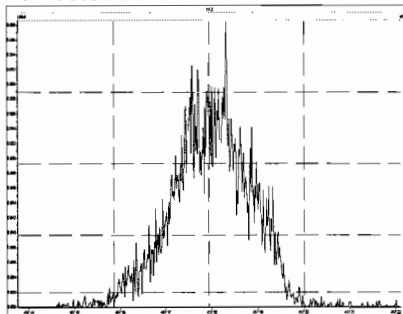


M 404.9760 R 11962

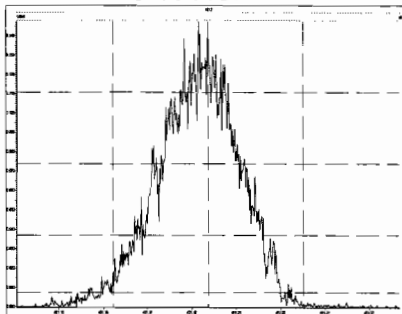


Printed: Tuesday, May 07, 2019 17:12:33 Pacific Daylight Time

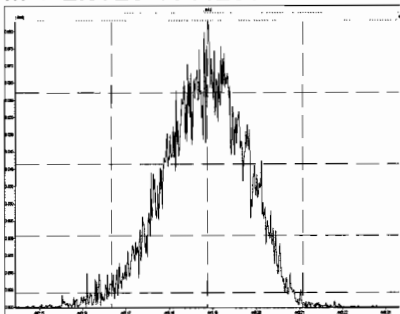
M 416.9760 R 12562



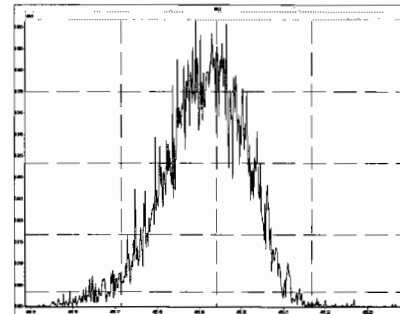
M 430.9728 R 11034



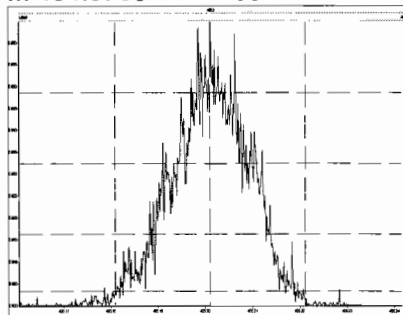
M 442.9728 R 11261



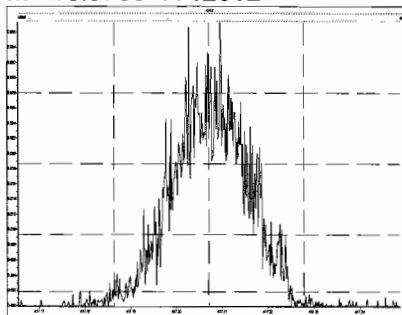
M 454.9728 R 10734



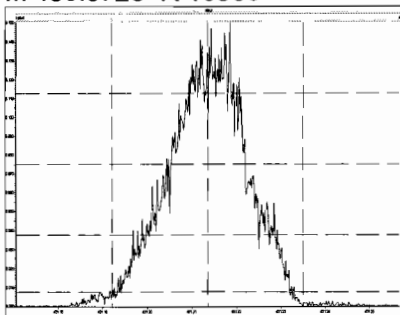
M 404.9760 R 11709



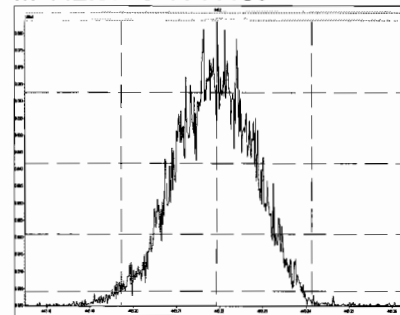
M 416.9760 R 12502



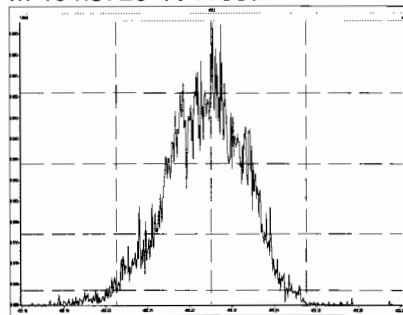
M 430.9728 R 10965



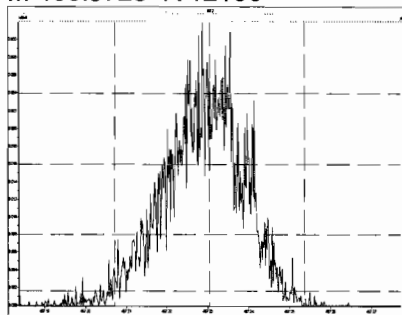
M 442.9728 R 11135



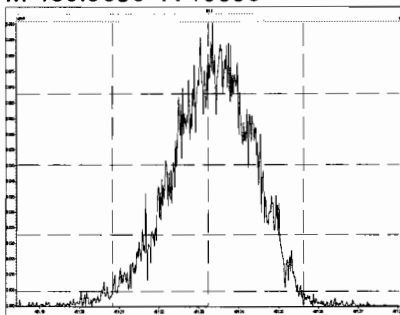
M 454.9728 R 11037



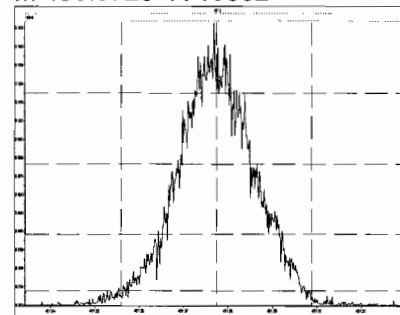
M 466.9728 R 12186



M 480.9696 R 10695

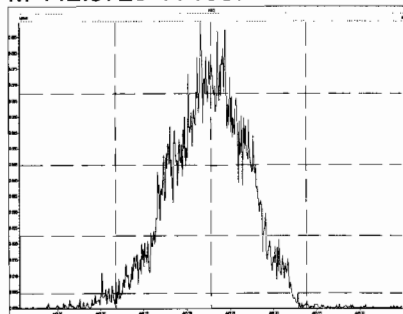


M 430.9728 R 10552

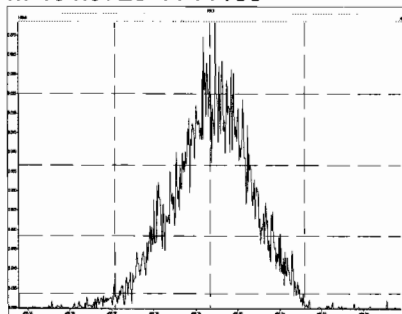


Printed: Tuesday, May 07, 2019 17:12:33 Pacific Daylight Time

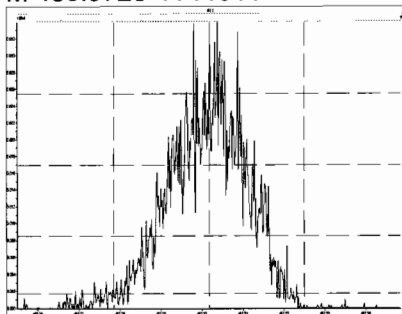
M 442.9728 R 10874



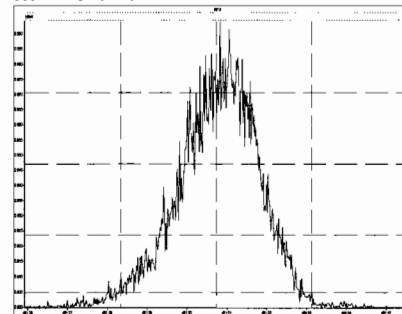
M 454.9728 R 11188



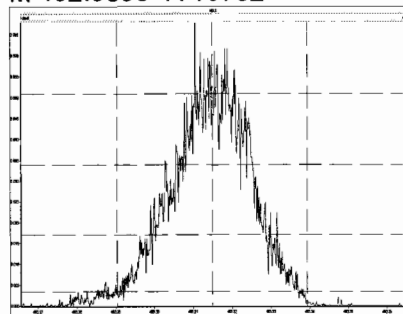
M 466.9728 R 11911



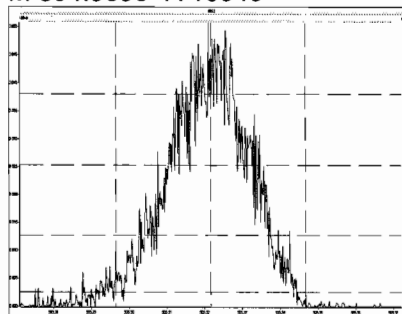
M 480.9696 R 10886



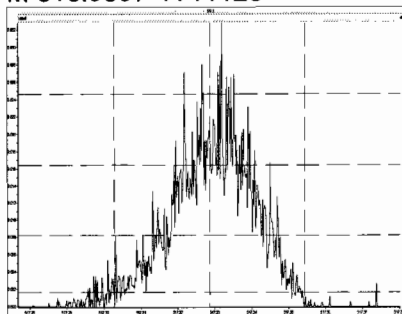
M 492.9696 R 10732



M 504.9696 R 10949



M 516.9697 R 11126



Dataset: U:\VG11.PRO\Results\190507K1\190507K1-8.qld
 Last Altered: Wednesday, May 08, 2019 8:00:45 AM Pacific Daylight Time
 Printed: Wednesday, May 08, 2019 8:07:46 AM Pacific Daylight Time

hz 5.8.19 DB 5/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-5-7-19.mdb 07 May 2019 12:51:47
 Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	2,3,7,8-TCDD	7.60e4	0.76	NO	0.925	1.000	26.372	26.36	1.001	1.001	9.9167	99.2	0.0527	9.92
2	1,2,3,7,8-PeCDD	2.83e5	0.63	NO	0.905	1.000	31.141	31.14	1.001	1.001	52.411	105	0.0779	52.4
3	1,2,3,4,7,8-HxCDD	2.56e5	1.24	NO	1.07	1.000	34.422	34.42	1.000	1.000	51.689	103	0.157	51.7
4	1,2,3,6,7,8-HxCDD	2.85e5	1.28	NO	0.967	1.000	34.511	34.53	1.000	1.001	54.377	109	0.161	54.4
5	1,2,3,7,8,9-HxCDD	2.46e5	1.25	NO	0.978	1.000	34.831	34.81	1.001	1.000	50.269	101	0.173	50.3
6	1,2,3,4,6,7,8-HpCDD	1.96e5	1.05	NO	1.04	1.000	38.308	38.32	1.000	1.001	47.654	95.3	0.186	47.7
7	OCDD	3.61e5	0.90	NO	0.972	1.000	41.457	41.47	1.000	1.000	105.18	105	0.228	105
8	2,3,7,8-TCDF	1.06e5	0.77	NO	0.938	1.000	25.510	25.51	1.001	1.001	10.161	102	0.0528	10.2
9	1,2,3,7,8-PeCDF	4.45e5	1.56	NO	0.976	1.000	29.913	29.91	1.001	1.001	51.910	104	0.0756	51.9
10	2,3,4,7,8-PeCDF	4.90e5	1.55	NO	1.00	1.000	30.869	30.86	1.001	1.001	56.296	113	0.0742	56.3
11	1,2,3,4,7,8-HxCDF	3.98e5	1.24	NO	1.24	1.000	33.534	33.56	1.000	1.001	53.288	107	0.159	53.3
12	1,2,3,6,7,8-HxCDF	4.37e5	1.15	NO	1.10	1.000	33.665	33.68	1.000	1.001	54.868	110	0.164	54.9
13	2,3,4,6,7,8-HxCDF	3.80e5	1.25	NO	1.18	1.000	34.282	34.27	1.001	1.001	51.927	104	0.183	51.9
14	1,2,3,7,8,9-HxCDF	3.02e5	1.22	NO	1.07	1.000	35.169	35.19	1.000	1.001	53.429	107	0.261	53.4
15	1,2,3,4,6,7,8-HpCDF	3.31e5	1.04	NO	1.13	1.000	36.951	36.92	1.001	1.000	56.517	113	0.264	56.5
16	1,2,3,4,7,8,9-HpCDF	2.56e5	0.99	NO	1.26	1.000	38.856	38.87	1.000	1.000	53.867	108	0.275	53.9
17	OCDF	4.34e5	0.87	NO	1.10	1.000	41.687	41.70	1.000	1.000	93.430	93.4	0.200	93.4
18	13C-2,3,7,8-TCDD	8.29e5	0.78	NO	1.05	1.000	26.343	26.34	1.026	1.026	102.10	102	0.130	
19	13C-1,2,3,7,8-PeCDD	5.96e5	0.63	NO	0.743	1.000	31.123	31.12	1.212	1.212	103.75	104	0.218	
20	13C-1,2,3,4,7,8-HxCDD	4.63e5	1.29	NO	0.646	1.000	34.402	34.41	1.014	1.014	102.33	102	0.354	
21	13C-1,2,3,6,7,8-HxCDD	5.41e5	1.25	NO	0.777	1.000	34.510	34.51	1.017	1.017	99.464	99.5	0.295	
22	13C-1,2,3,7,8,9-HxCDD	5.00e5	1.25	NO	0.659	1.000	34.799	34.80	1.025	1.025	108.25	108	0.347	
23	13C-1,2,3,4,6,7,8-HpCDD	3.97e5	1.11	NO	0.534	1.000	38.301	38.30	1.128	1.128	106.06	106	0.355	
24	13C-OCDD	7.05e5	0.93	NO	0.470	1.000	41.461	41.46	1.222	1.222	214.10	107	0.519	
25	13C-2,3,7,8-TCDF	1.11e6	0.77	NO	0.977	1.000	25.483	25.48	0.992	0.992	101.03	101	0.194	
26	13C-1,2,3,7,8-PeCDF	8.78e5	1.59	NO	0.778	1.000	29.892	29.89	1.164	1.164	100.03	100	0.293	
27	13C-2,3,4,7,8-PeCDF	8.67e5	1.59	NO	0.750	1.000	30.843	30.84	1.201	1.201	102.41	102	0.304	
28	13C-1,2,3,4,7,8-HxCDF	6.01e5	0.51	NO	0.845	1.000	33.529	33.53	0.988	0.988	101.56	102	0.419	
29	13C-1,2,3,6,7,8-HxCDF	7.27e5	0.52	NO	1.03	1.000	33.652	33.65	0.992	0.992	101.03	101	0.345	
30	13C-2,3,4,6,7,8-HxCDF	6.20e5	0.53	NO	0.893	1.000	34.249	34.25	1.009	1.009	99.164	99.2	0.397	
31	13C-1,2,3,7,8,9-HxCDF	5.26e5	0.53	NO	0.734	1.000	35.169	35.17	1.036	1.036	102.34	102	0.483	

Dataset: U:\VG11.PRO\Results\190507K1\190507K1-8.qld

Last Altered: Wednesday, May 08, 2019 8:00:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 8:07:46 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	13C-1,2,3,4,6,7,8-HpCDF	5.19e5	0.45	NO	0.754	1.000	36.900	36.91	1.087	1.088	98.155	98.2	0.323	
33	13C-1,2,3,4,7,8,9-HpCDF	3.76e5	0.44	NO	0.539	1.000	38.851	38.86	1.145	1.145	99.700	99.7	0.452	
34	13C-OCDF	8.43e5	0.90	NO	0.593	1.000	41.689	41.69	1.228	1.228	202.98	101	0.322	
35	37Cl-2,3,7,8-TCDD	8.22e4			1.07	1.000	26.343	26.36	1.026	1.026	9.9341	99.3	0.0341	
36	13C-1,2,3,4-TCDD	7.74e5	0.80	NO	1.00	1.000	25.680	25.68	1.000	1.000	100.00	100	0.137	
37	13C-1,2,3,4-TCDF	1.13e6	0.79	NO	1.00	1.000	24.050	24.05	1.000	1.000	100.00	100	0.190	
38	13C-1,2,3,4,6,9-HxCDF	7.01e5	0.53	NO	1.00	1.000	33.940	33.94	1.000	1.000	100.00	100	0.354	

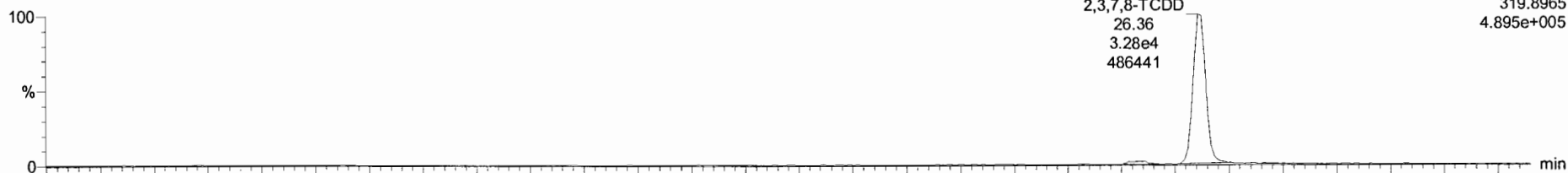
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

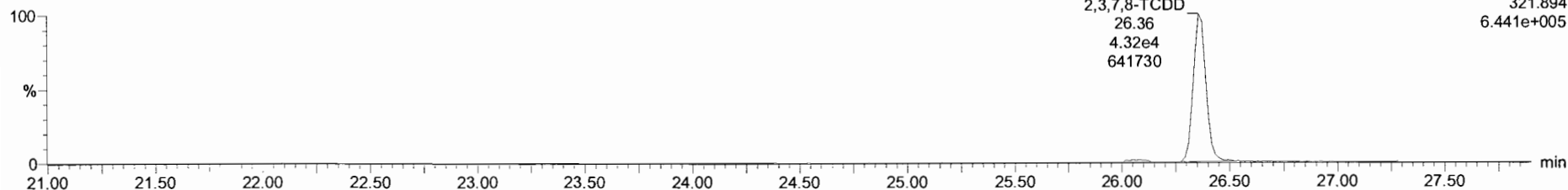
Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

2,3,7,8-TCDD

190507K1_8

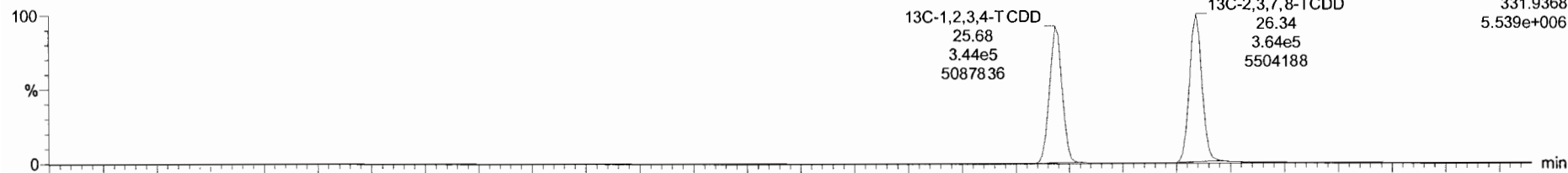


190507K1_8

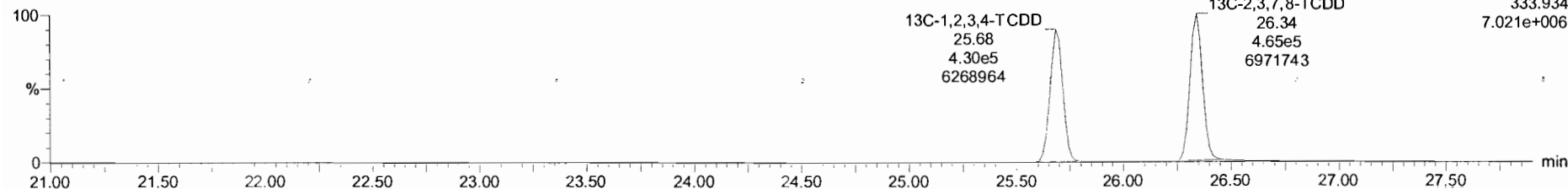


13C-2,3,7,8-TCDD

190507K1_8



190507K1_8



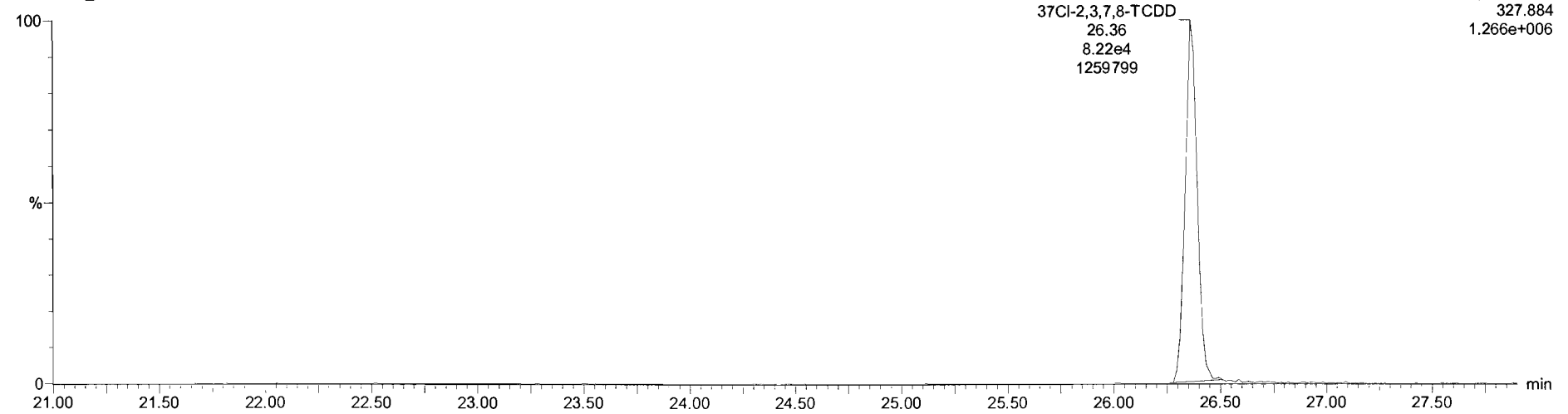
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

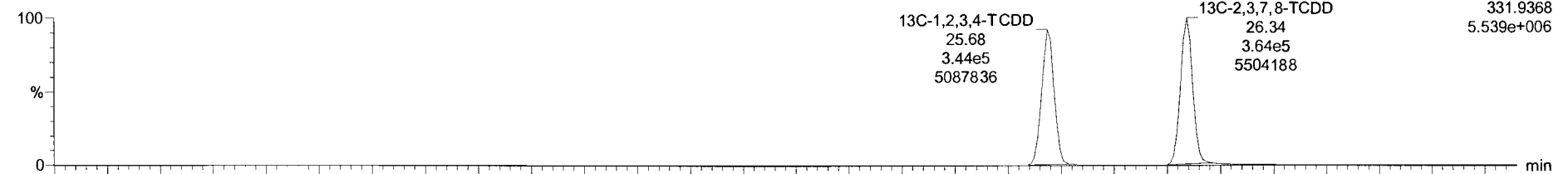
37Cl-2,3,7,8-TCDD

190507K1_8

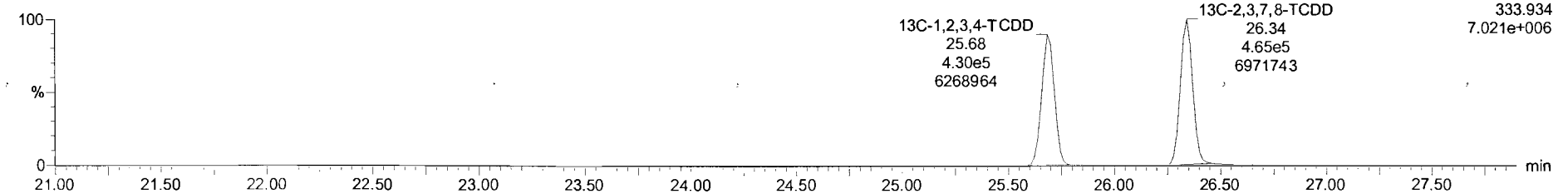


13C-1,2,3,4-TCDD

190507K1_8



190507K1_8



Dataset: Untitled

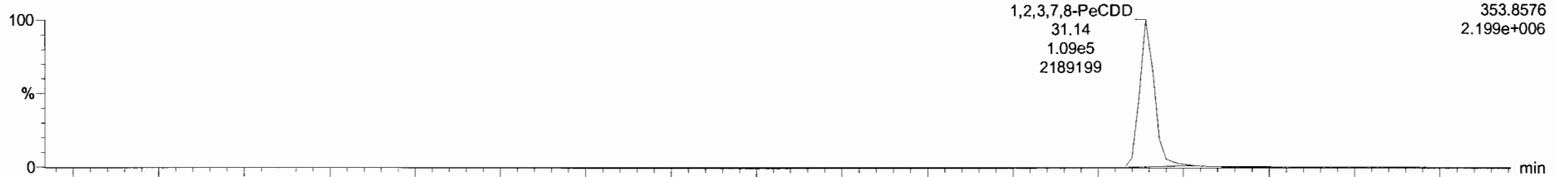
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

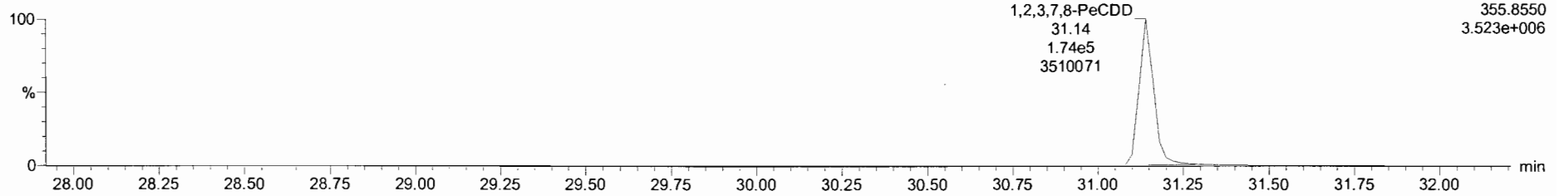
Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

1,2,3,7,8-PeCDD

190507K1_8

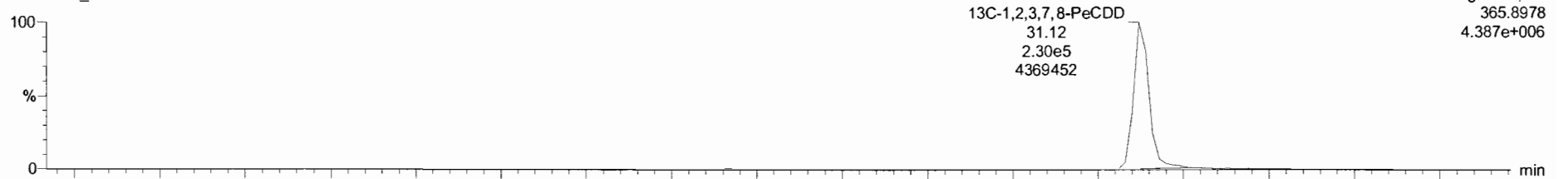


190507K1_8

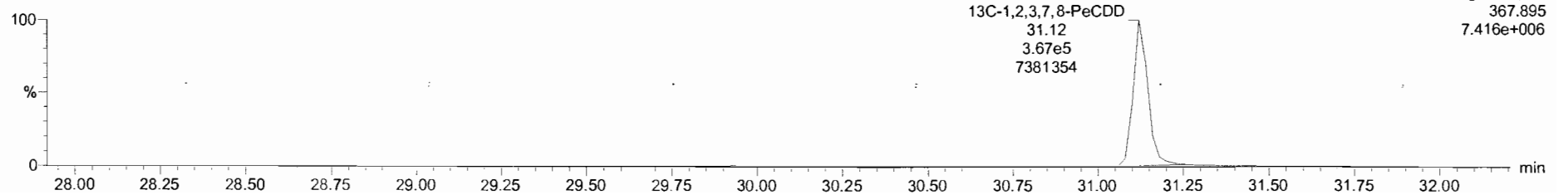


13C-1,2,3,7,8-PeCDD

190507K1_8



190507K1_8



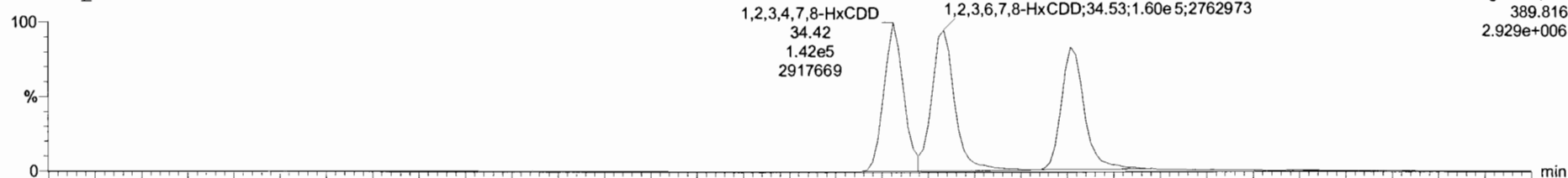
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

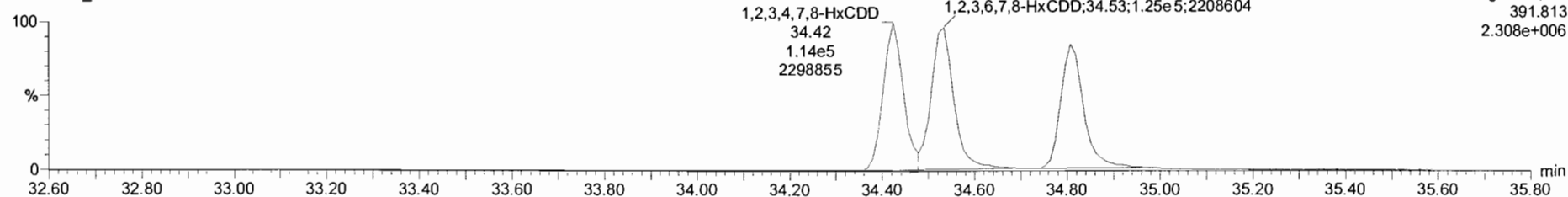
Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

1,2,3,4,7,8-HxCDD

190507K1_8

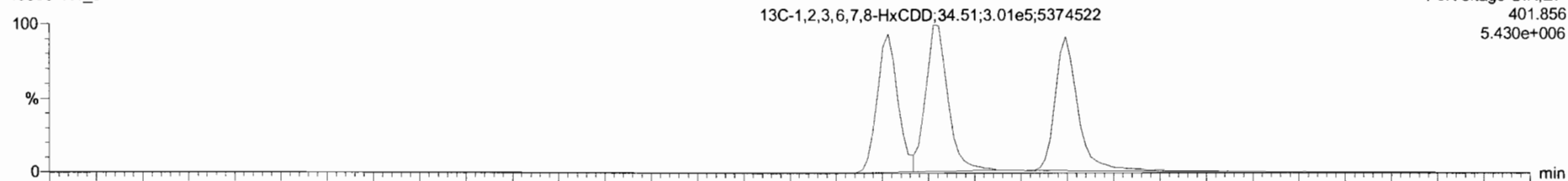


190507K1_8

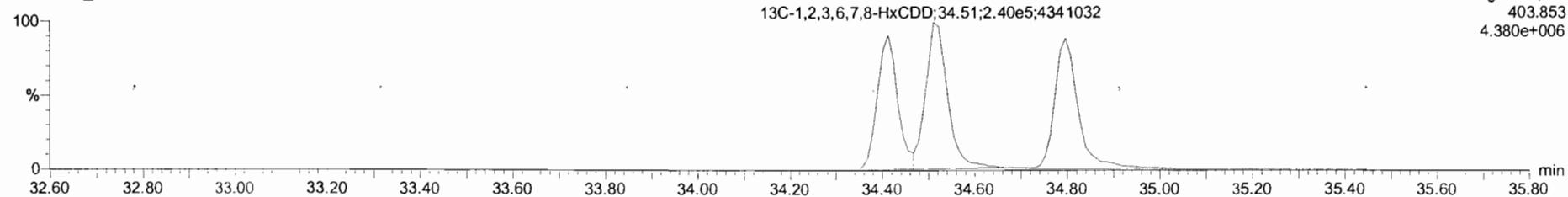


13C-1,2,3,4,7,8-HxCDD

190507K1_8



190507K1_8



Dataset: Untitled

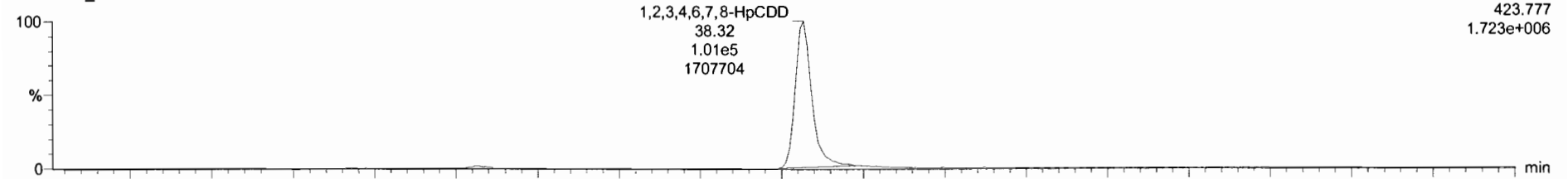
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

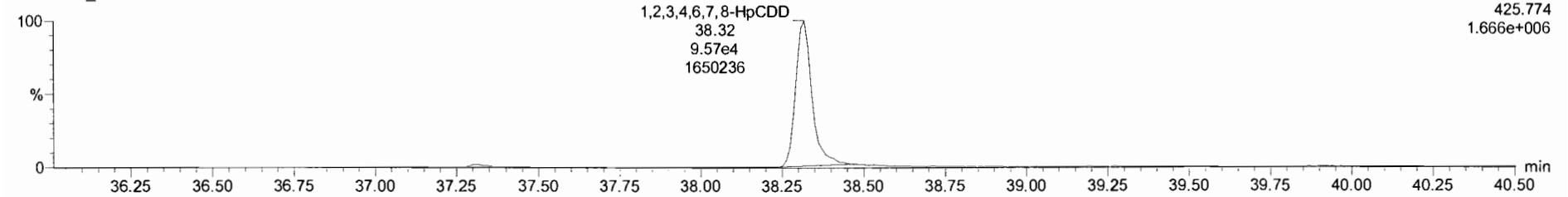
Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

1,2,3,4,6,7,8-HpCDD

190507K1_8

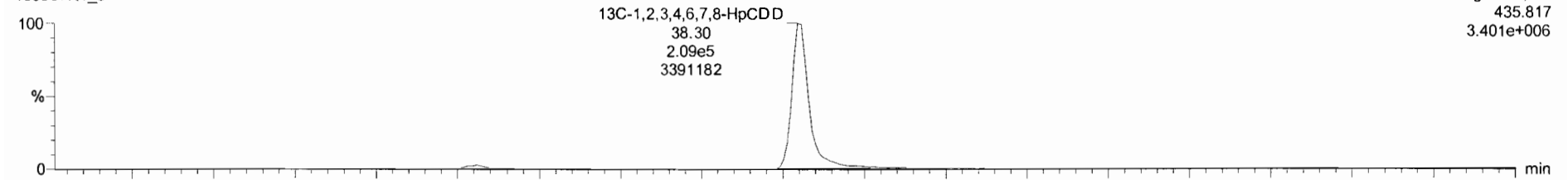


190507K1_8

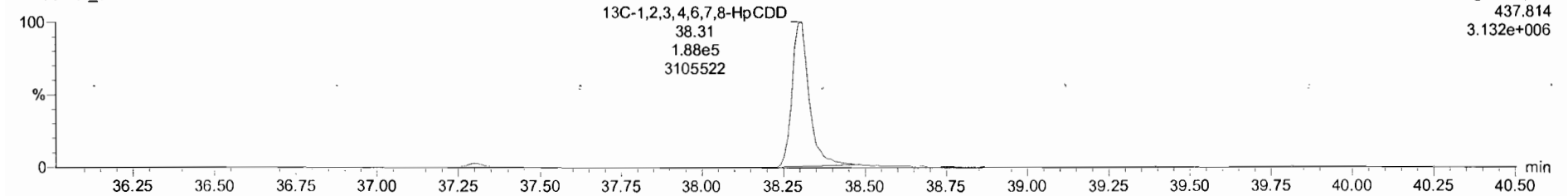


¹³C-1,2,3,4,6,7,8-HpCDD

190507K1_8



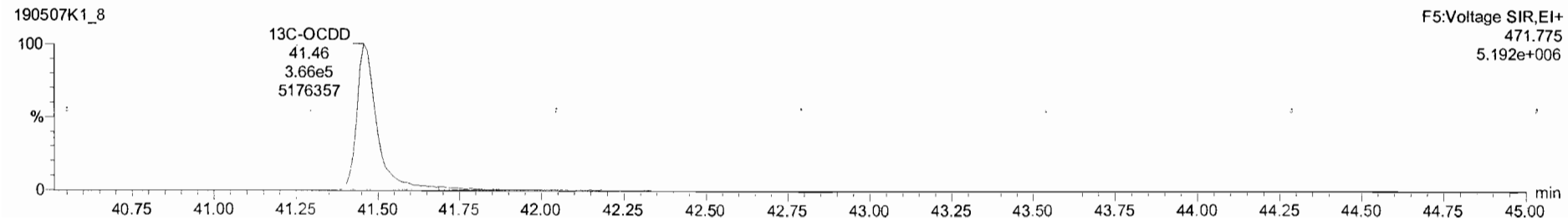
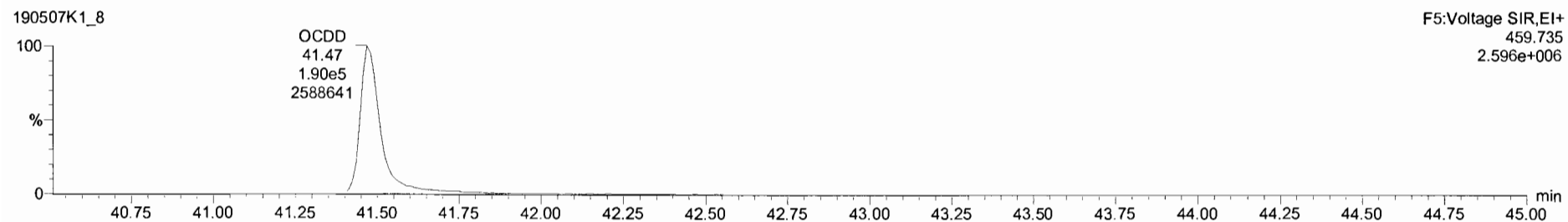
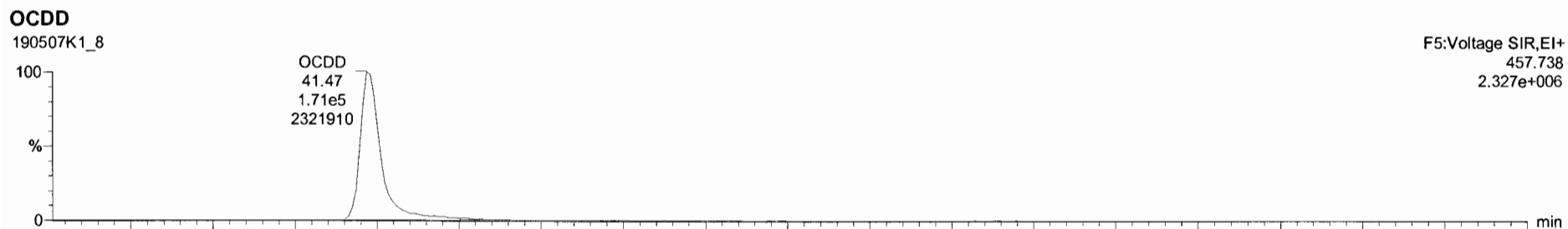
190507K1_8



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

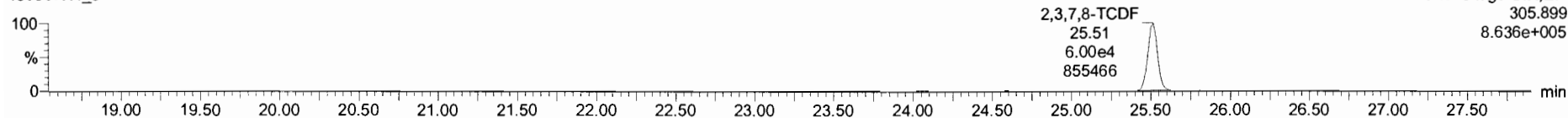
Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

2,3,7,8-TCDF

190507K1_8

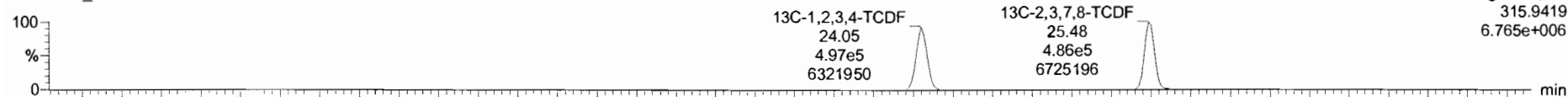


190507K1_8

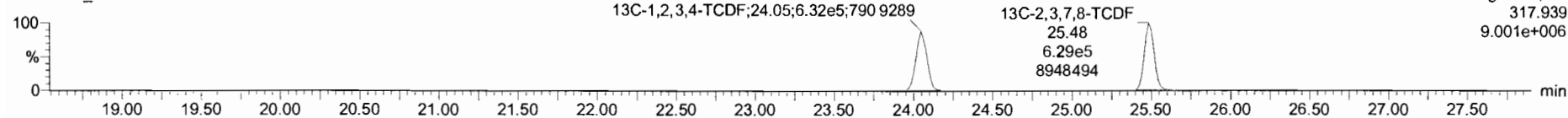


13C-2,3,7,8-TCDF

190507K1_8

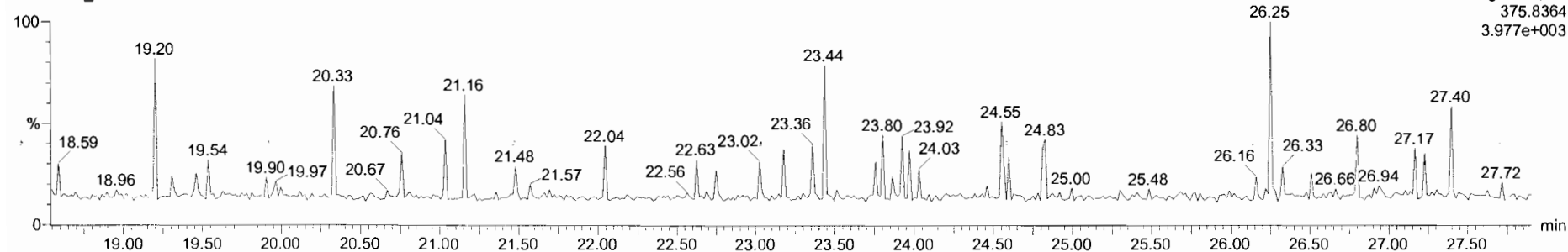


190507K1_8



DPE1

190507K1_8

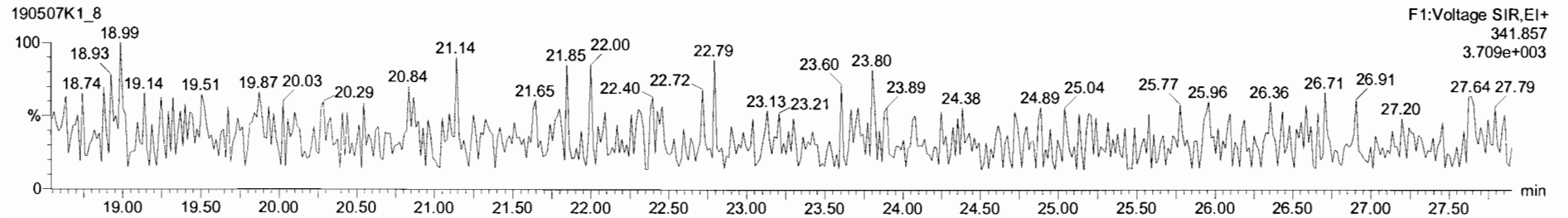
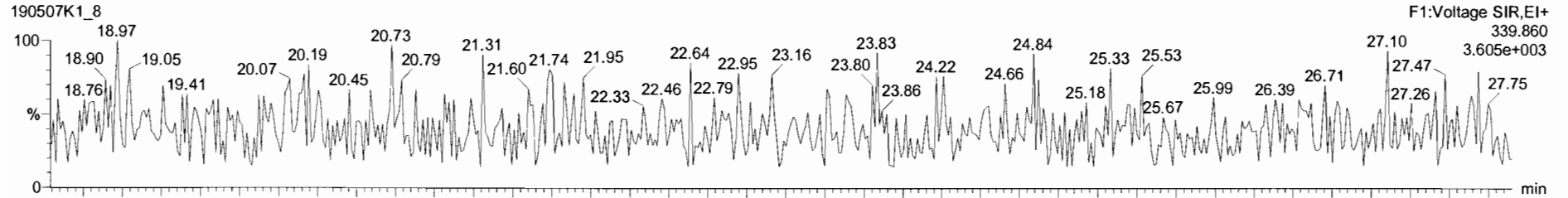


Dataset: Untitled

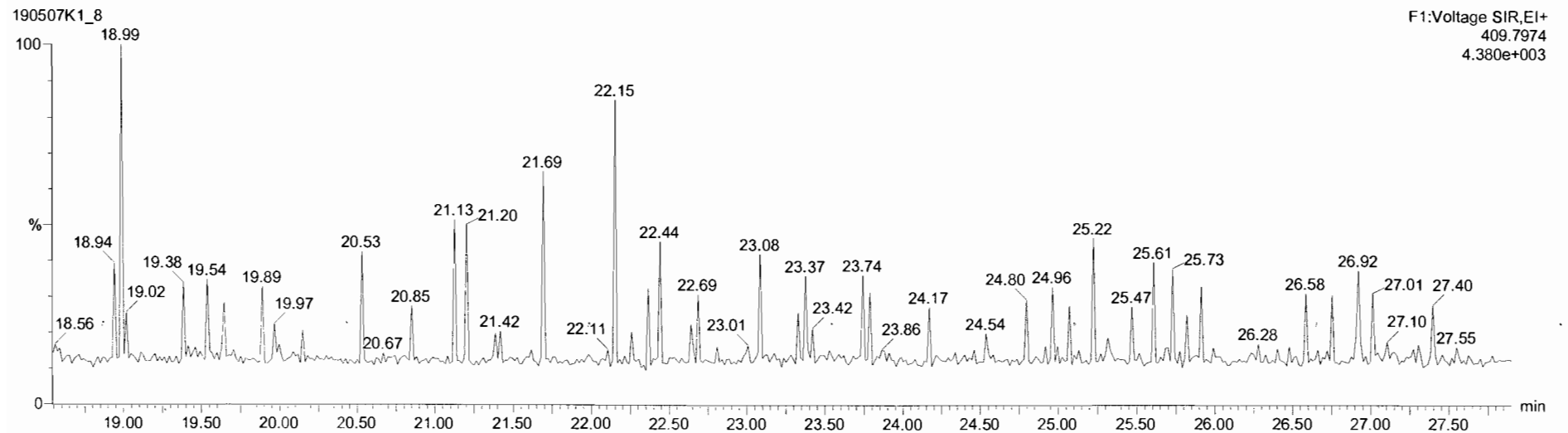
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

1st Func. Penta-Furans



DPE6



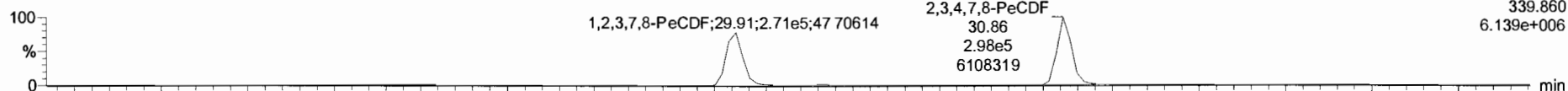
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

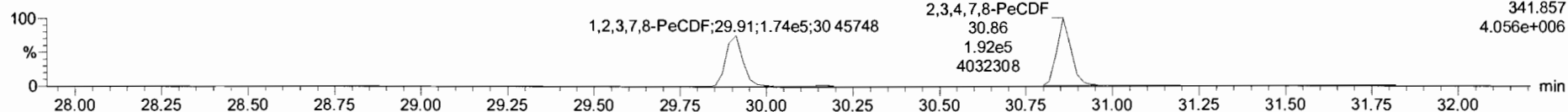
1,2,3,7,8-PeCDF

190507K1_8



F2:Voltage SIR,EI+
339.860
6.139e+006

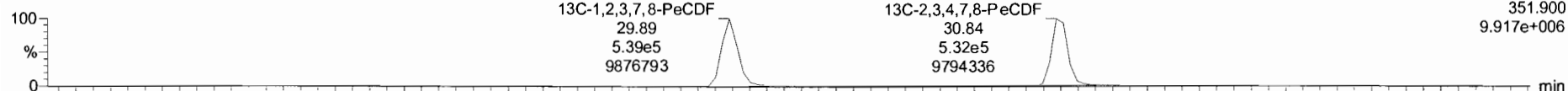
190507K1_8



F2:Voltage SIR,EI+
341.857
4.056e+006

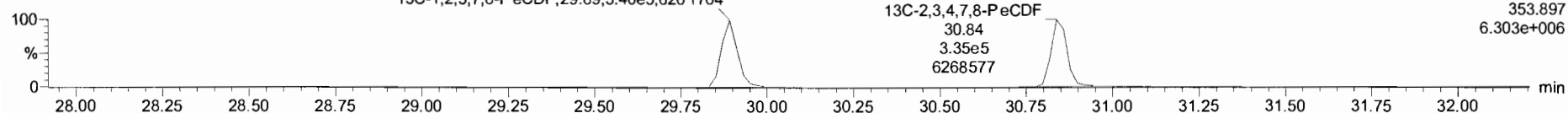
13C-1,2,3,7,8-PeCDF

190507K1_8



F2:Voltage SIR,EI+
351.900
9.917e+006

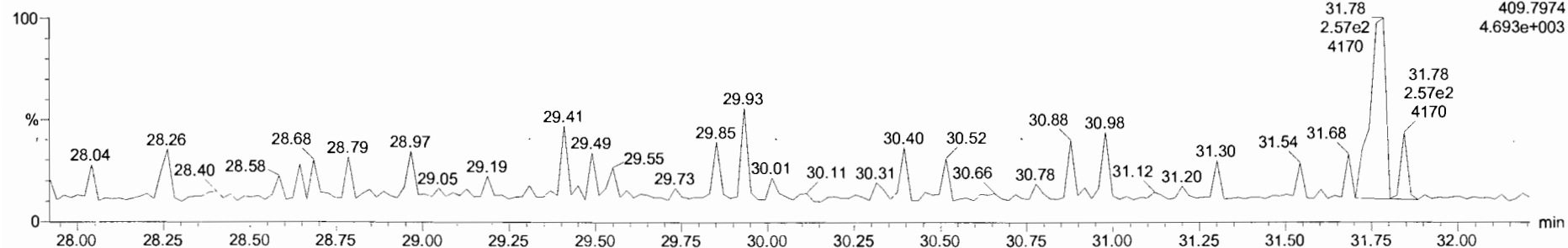
190507K1_8



F2:Voltage SIR,EI+
353.897
6.303e+006

DPE2

190507K1_8



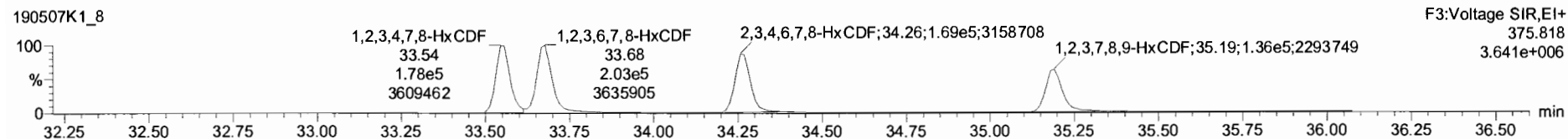
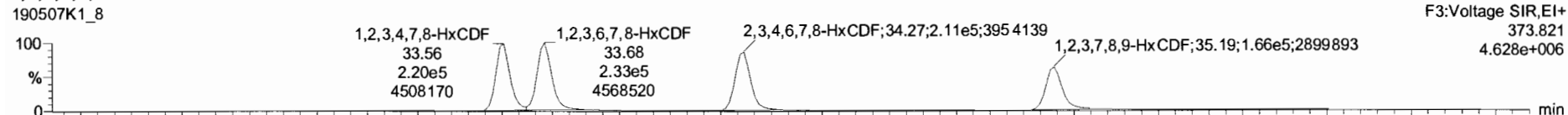
F2:Voltage SIR,EI+
409.7974
4.693e+003

Dataset: Untitled

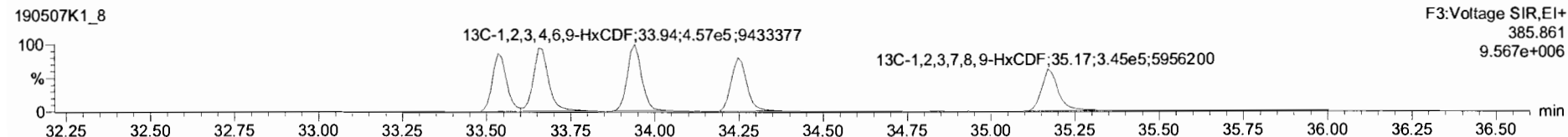
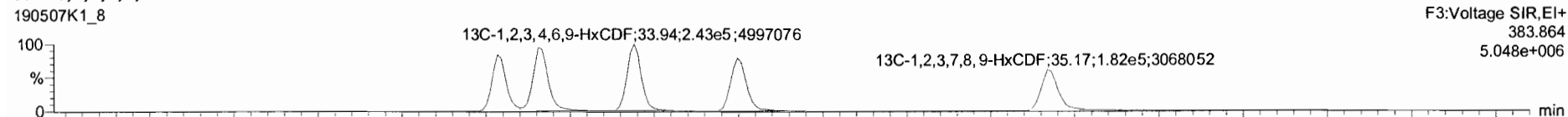
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

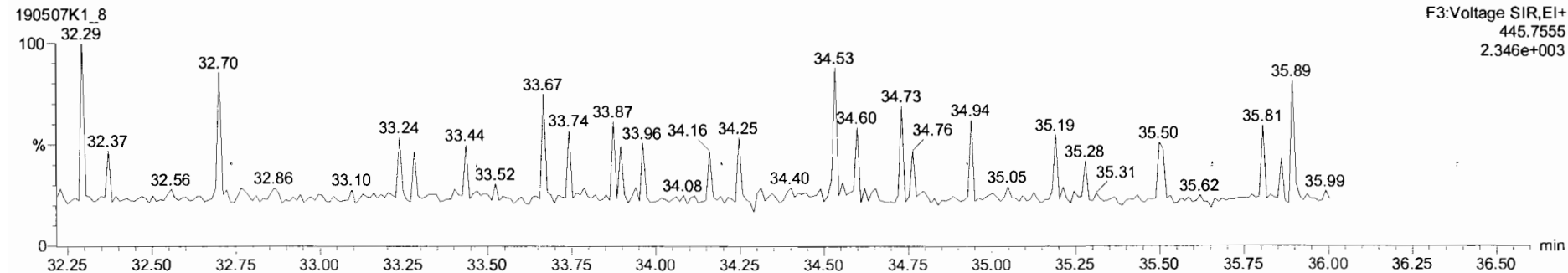
1,2,3,4,7,8-HxCDF



13C-1,2,3,4,7,8-HxCDF



DPE3

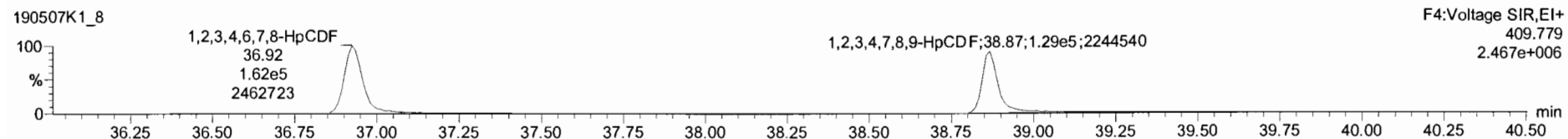
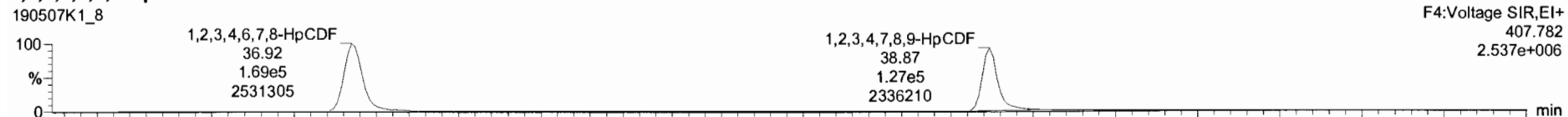


Dataset: Untitled

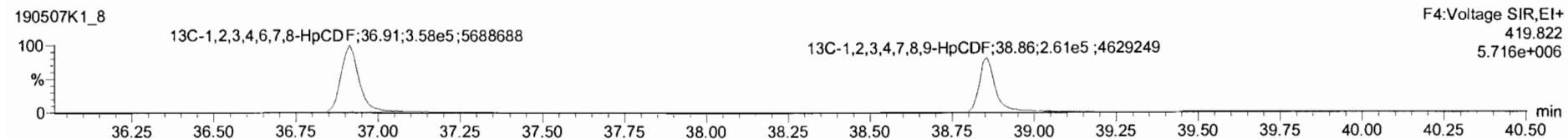
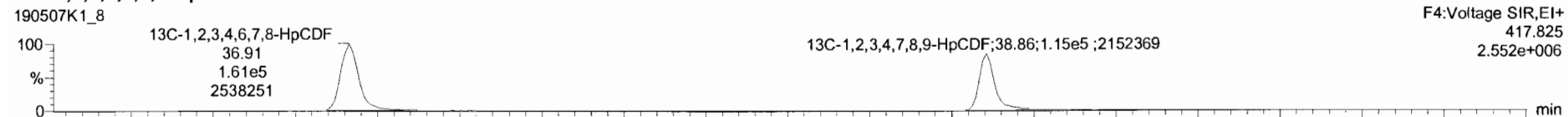
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

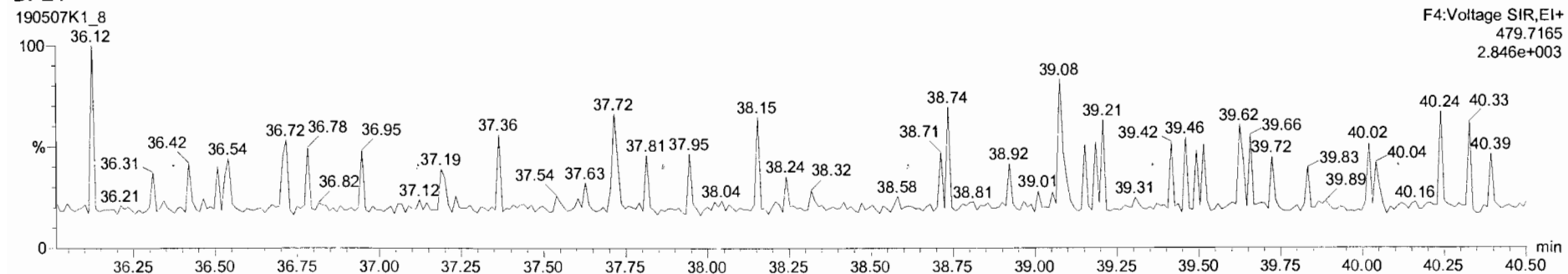
1,2,3,4,6,7,8-HpCDF



13C-1,2,3,4,6,7,8-HpCDF



DPE4

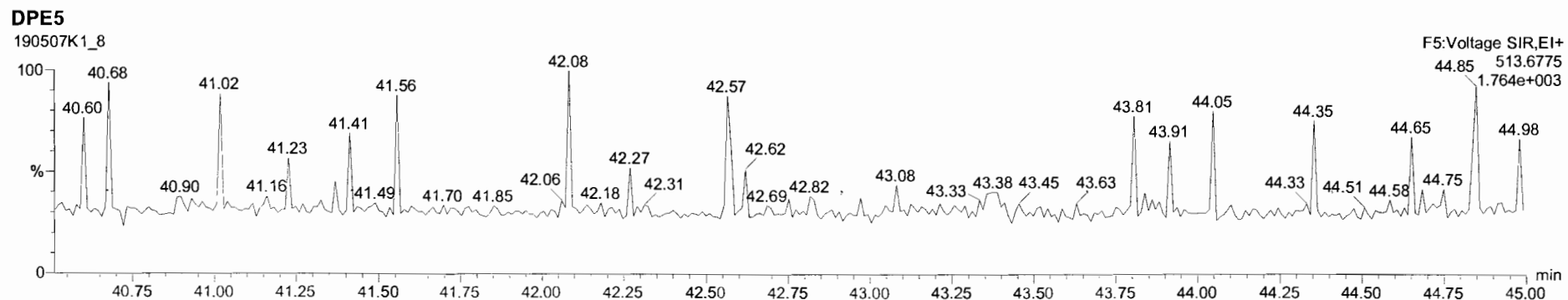
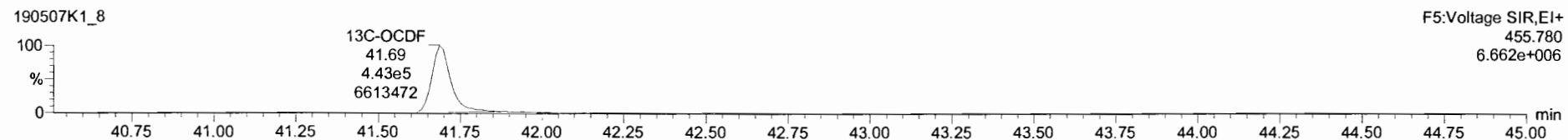
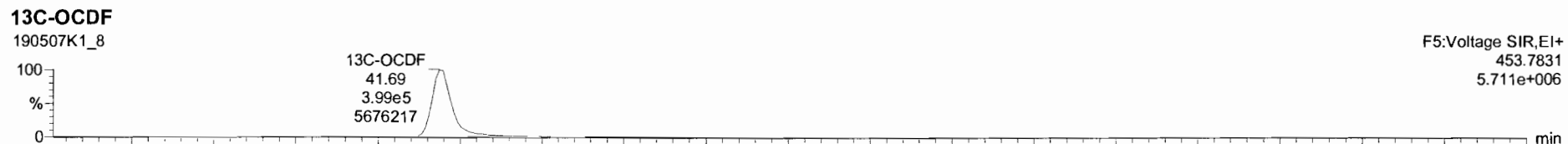
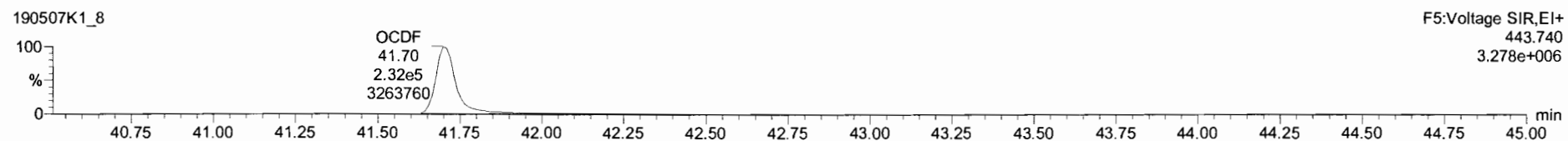
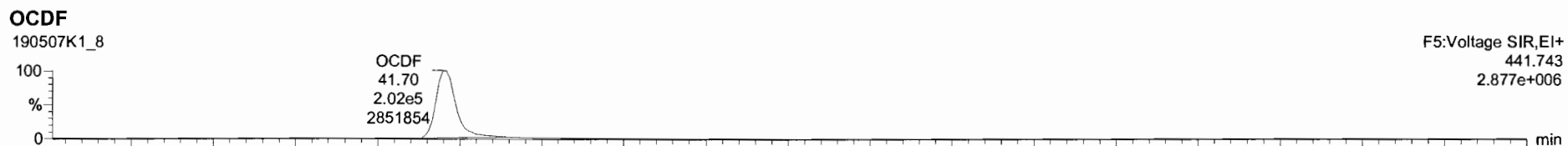


Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207



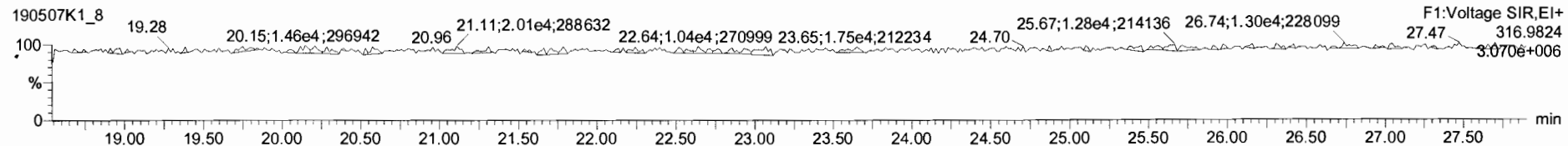
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

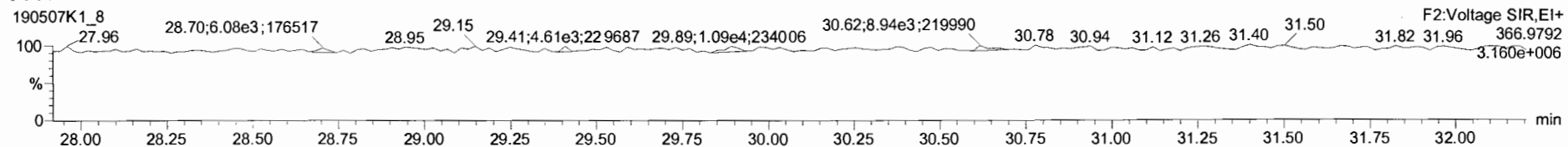
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K1_8, Date: 07-May-2019, Time: 16:16:59, ID: SS190507K1_1 1613 SSS 19C2207, Description: 1613 SSS 19C2207

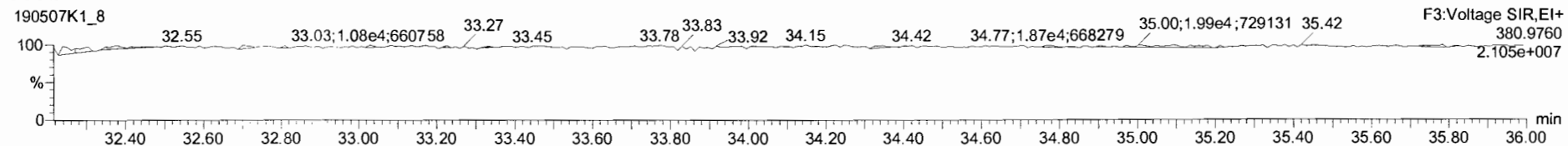
PFK1



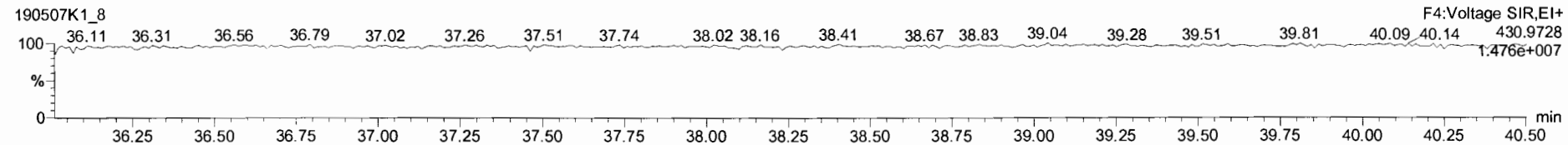
PFK2



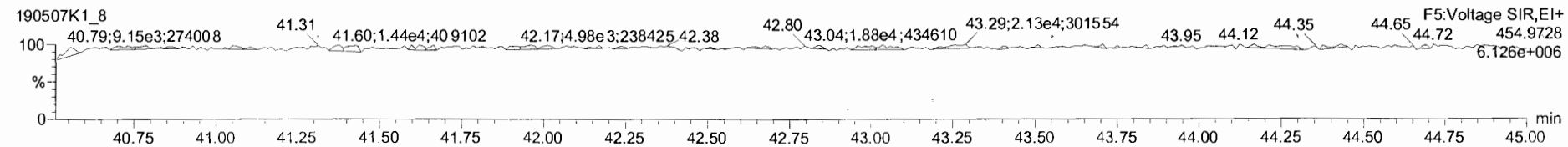
PFK3



PFK4



PFK5



Dataset: U:\VG11.PRO\Results\190507K1\190507K2-1.qld

Last Altered: Wednesday, May 08, 2019 8:10:45 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 8:11:52 AM Pacific Daylight Time

Hc 5-8-19

DB 5/20/19

Method: U:\VG11.PRO\MethDB\1613_rrt-5-7-19.mdb 07 May 2019 12:51:47
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
1	1 2,3,7,8-TCDD	4.96e4	0.78	NO	0.925	1.000	26.372	26.36	1.001	1.001	9.7504	97.5	0.0601	9.75
2	2 1,2,3,7,8-PeCDD	1.92e5	0.60	NO	0.905	1.000	31.141	31.14	1.001	1.001	52.019	104	0.135	52.0
3	3 1,2,3,4,7,8-HxCDD	1.65e5	1.26	NO	1.07	1.000	34.422	34.42	1.000	1.000	40.468	80.9	0.208	40.5
4	4 1,2,3,6,7,8-HxCDD	1.70e5	1.27	NO	0.967	1.000	34.522	34.53	1.000	1.000	52.044	104	0.299	52.0
5	5 1,2,3,7,8,9-HxCDD	1.57e5	1.21	NO	0.978	1.000	34.831	34.81	1.001	1.000	49.488	99.0	0.295	49.5
6	6 1,2,3,4,6,7,8-HpCDD	1.25e5	1.09	NO	1.04	1.000	38.308	38.32	1.000	1.001	46.558	93.1	0.278	46.6
7	7 OCDD	2.20e5	0.89	NO	0.972	1.000	41.468	41.48	1.000	1.000	116.21	116	0.310	116
8	8 2,3,7,8-TCDF	6.88e4	0.78	NO	0.938	1.000	25.510	25.51	1.001	1.001	9.8653	98.7	0.0599	9.87
9	9 1,2,3,7,8-PeCDF	2.98e5	1.59	NO	0.976	1.000	29.913	29.91	1.001	1.001	48.808	97.6	0.107	48.8
10	10 2,3,4,7,8-PeCDF	3.02e5	1.60	NO	1.00	1.000	30.869	30.86	1.001	1.001	50.503	101	0.112	50.5
11	11 1,2,3,4,7,8-HxCDF	2.51e5	1.28	NO	1.24	1.000	33.534	33.56	1.000	1.001	42.310	84.6	0.183	42.3
12	12 1,2,3,6,7,8-HxCDF	2.65e5	1.25	NO	1.10	1.000	33.676	33.68	1.000	1.000	49.107	98.2	0.216	49.1
13	13 2,3,4,6,7,8-HxCDF	2.52e5	1.24	NO	1.18	1.000	34.282	34.27	1.001	1.001	47.589	95.2	0.219	47.6
14	14 1,2,3,7,8,9-HxCDF	1.94e5	1.26	NO	1.07	1.000	35.169	35.19	1.000	1.001	48.711	97.4	0.322	48.7
15	15 1,2,3,4,6,7,8-HpCDF	1.91e5	1.04	NO	1.13	1.000	36.951	36.92	1.001	1.000	50.687	101	0.231	50.7
16	16 1,2,3,4,7,8,9-HpCDF	1.57e5	0.99	NO	1.26	1.000	38.856	38.87	1.000	1.000	51.308	103	0.248	51.3
17	17 OCDF	2.63e5	0.85	NO	1.10	1.000	41.687	41.70	1.000	1.000	92.671	92.7	0.237	92.7
18	18 13C-2,3,7,8-TCDD	5.49e5	0.79	NO	1.05	1.000	26.343	26.34	1.026	1.026	101.33	101	0.176	
19	19 13C-1,2,3,7,8-PeCDD	4.08e5	0.63	NO	0.743	1.000	31.123	31.12	1.212	1.212	106.23	106	0.222	
20	20 13C-1,2,3,4,7,8-HxCDD	3.81e5	1.26	NO	0.646	1.000	34.402	34.41	1.014	1.014	127.08	127	0.322	
21	21 13C-1,2,3,6,7,8-HxCDD	3.37e5	1.28	NO	0.777	1.000	34.510	34.52	1.017	1.017	93.509	93.5	0.268	
22	22 13C-1,2,3,7,8,9-HxCDD	3.24e5	1.27	NO	0.659	1.000	34.799	34.80	1.025	1.025	105.79	106	0.315	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.59e5	1.05	NO	0.534	1.000	38.301	38.30	1.128	1.128	104.55	105	0.389	
24	24 13C-OCDD	3.90e5	0.88	NO	0.470	1.000	41.461	41.47	1.222	1.222	178.53	89.3	0.468	
25	25 13C-2,3,7,8-TCDF	7.44e5	0.79	NO	0.977	1.000	25.483	25.48	0.992	0.992	101.65	102	0.294	
26	26 13C-1,2,3,7,8-PeCDF	6.25e5	1.56	NO	0.778	1.000	29.893	29.89	1.164	1.164	107.38	107	0.390	
27	27 13C-2,3,4,7,8-PeCDF	5.95e5	1.57	NO	0.750	1.000	30.843	30.84	1.201	1.201	106.00	106	0.405	
28	28 13C-1,2,3,4,7,8-HxCDF	4.78e5	0.51	NO	0.845	1.000	33.529	33.53	0.988	0.988	121.85	122	0.545	
29	29 13C-1,2,3,6,7,8-HxCDF	4.92e5	0.52	NO	1.03	1.000	33.652	33.67	0.992	0.992	103.24	103	0.448	
30	30 13C-2,3,4,6,7,8-HxCDF	4.49e5	0.52	NO	0.893	1.000	34.249	34.25	1.009	1.009	108.34	108	0.515	
31	31 13C-1,2,3,7,8,9-HxCDF	3.71e5	0.54	NO	0.734	1.000	35.169	35.17	1.036	1.036	108.96	109	0.627	
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.34e5	0.43	NO	0.754	1.000	36.900	36.91	1.087	1.088	95.313	95.3	0.389	

Dataset: U:\VG11.PRO\Results\190507K1\190507K2-1.qld

Last Altered: Wednesday, May 08, 2019 8:10:45 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 8:11:52 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.42e5	0.47	NO	0.539	1.000	38.851	38.86	1.145	1.145	96.836	96.8	0.545	
34	34 13C-OCDF	5.14e5	0.89	NO	0.593	1.000	41.689	41.69	1.228	1.228	186.97	93.5	0.402	
35	35 37Cl-2,3,7,8-TCDD	5.28e4			1.07	1.000	26.343	26.36	1.026	1.026	9.5583	95.6	0.0488	
36	36 13C-1,2,3,4-TCDD	5.17e5	0.77	NO	1.00	1.000	25.680	25.68	1.000	1.000	100.00	100	0.184	
37	37 13C-1,2,3,4-TCDF	7.49e5	0.80	NO	1.00	1.000	24.050	24.06	1.000	1.000	100.00	100	0.288	
38	38 13C-1,2,3,4,6,9-HxCDF	4.64e5	0.51	NO	1.00	1.000	33.940	33.94	1.000	1.000	100.00	100	0.460	

Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 8:05:38 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 8:05:41 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\CPSM-5-7-19.mdb 07 May 2019 13:29:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

#	Name	RT
1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	27.29
3	1,2,4,7,9-PeCDD (First)	28.99
4	1,2,3,8,9-PeCDD (Last)	31.50
5	1,2,4,6,7,9-HxCDD (First)	32.91
6	1,2,3,7,8,9-HxCDD (Last)	34.81
7	1,2,3,4,6,7,9-HpCDD (First)	37.31
8	1,2,3,4,6,7,8-HpCDD (Last)	38.32
9	1,3,6,8-TCDF (First)	20.23
10	1,2,8,9-TCDF (Last)	27.46
11	1,3,4,6,8-PeCDF (First)	27.36
12	1,2,3,8,9-PeCDF (Last)	31.76
13	1,2,3,4,6,8-HxCDF (First)	32.38
14	1,2,3,7,8,9-HxCDF (Last)	35.19
15	1,2,3,4,6,7,8-HpCDF (First)	36.92
16	1,2,3,4,7,8,9-HpCDF (Last)	38.87

Dataset: Untitled

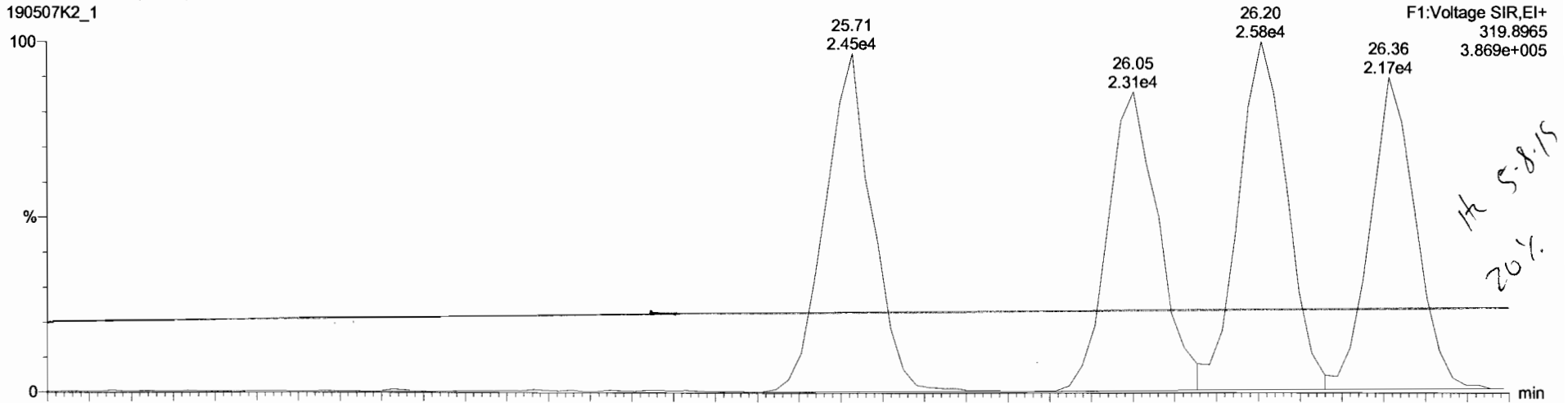
Last Altered: Wednesday, May 08, 2019 8:05:38 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 8:05:41 AM Pacific Daylight Time

Method: U:\VG11.PRO\MethDB\CPSM-5-7-19.mdb 07 May 2019 13:29:19
Calibration: U:\VG11.PRO\CurveDB\db5_1613vg11-5-7-19.cdb 08 May 2019 07:55:45

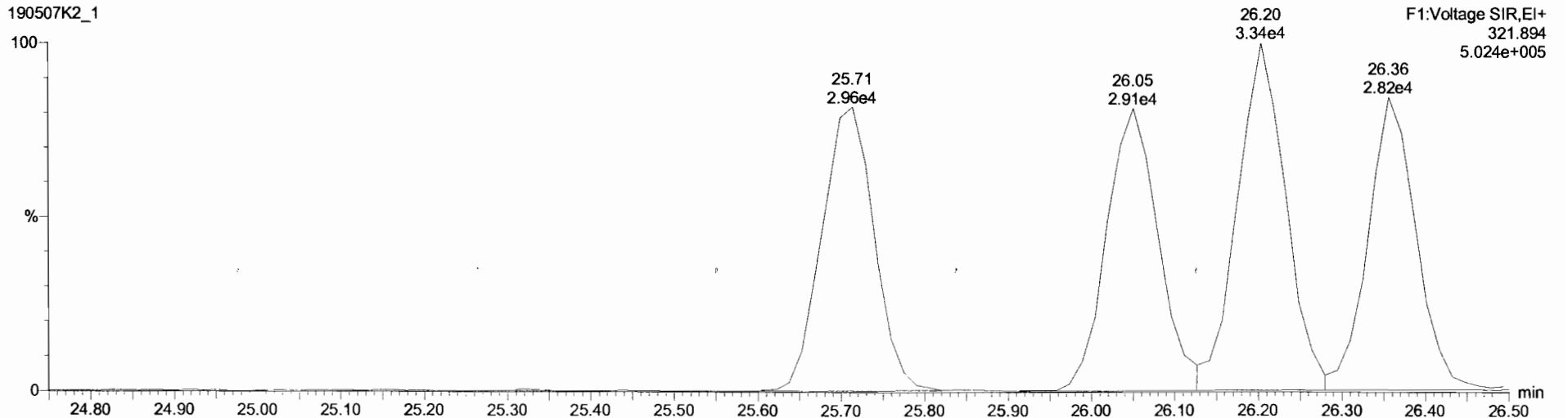
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1,3,6,8-TCDD (First)

190507K2_1



190507K2_1



Dataset: Untitled

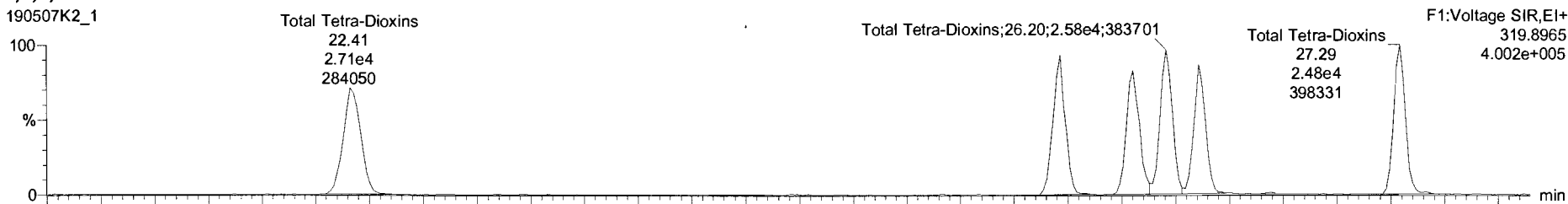
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

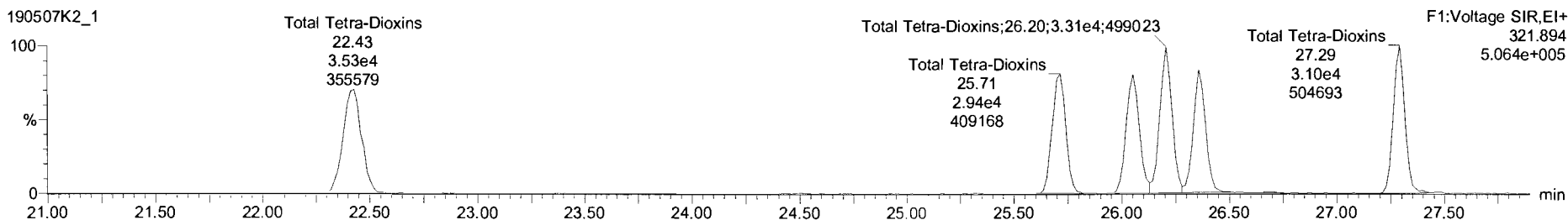
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

2,3,7,8-TCDD

190507K2_1



190507K2_1

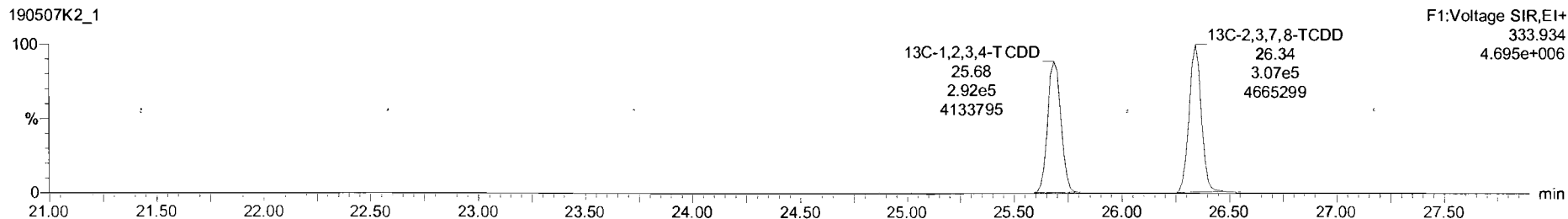


13C-2,3,7,8-TCDD

190507K2_1



190507K2_1



Dataset: Untitled

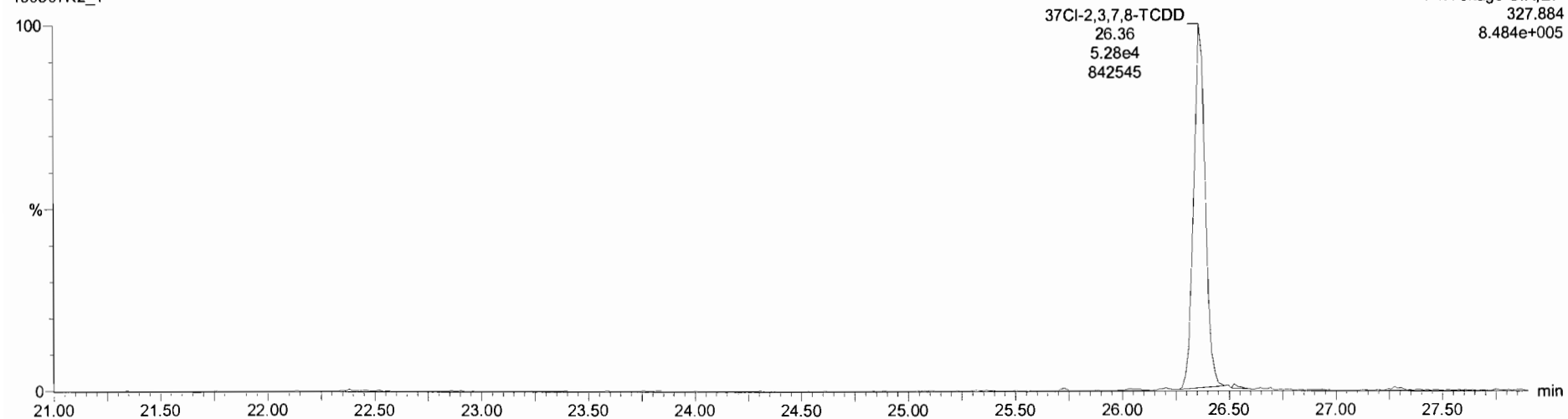
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

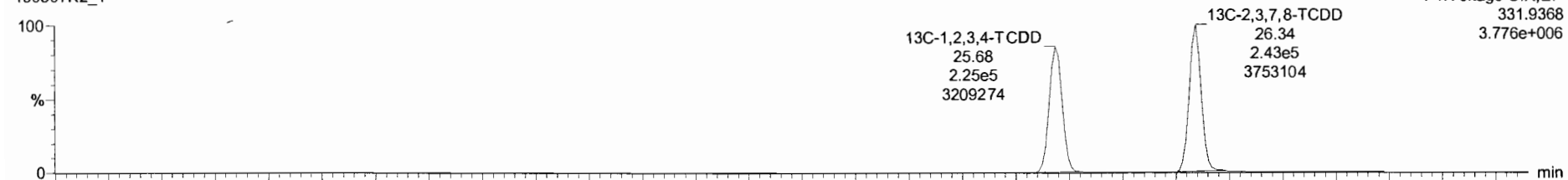
37Cl-2,3,7,8-TCDD

190507K2_1

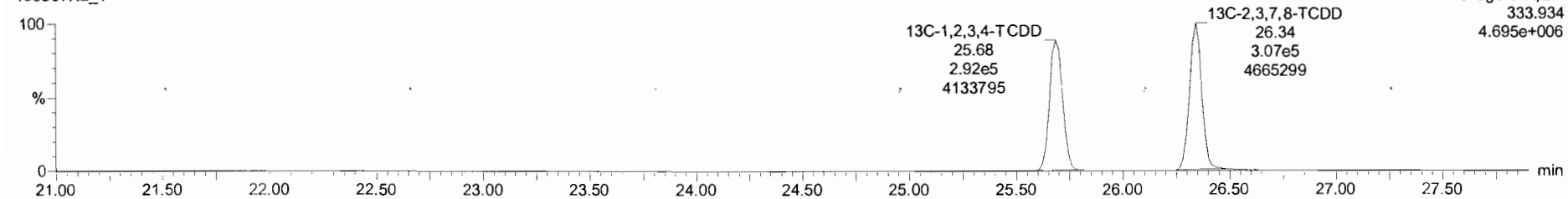


13C-1,2,3,4-TCDD

190507K2_1



190507K2_1

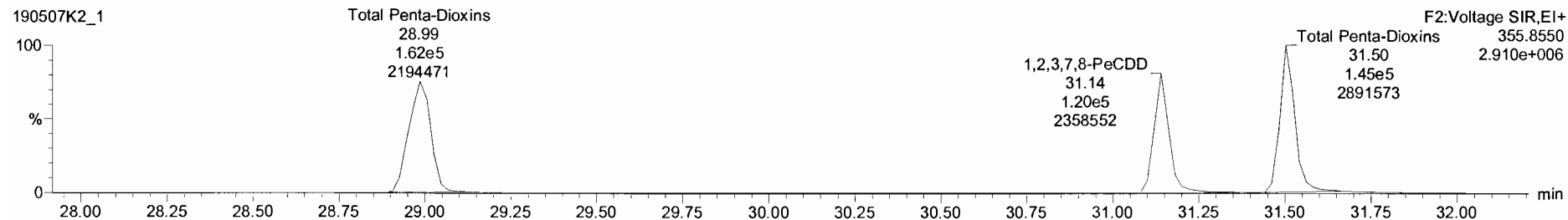
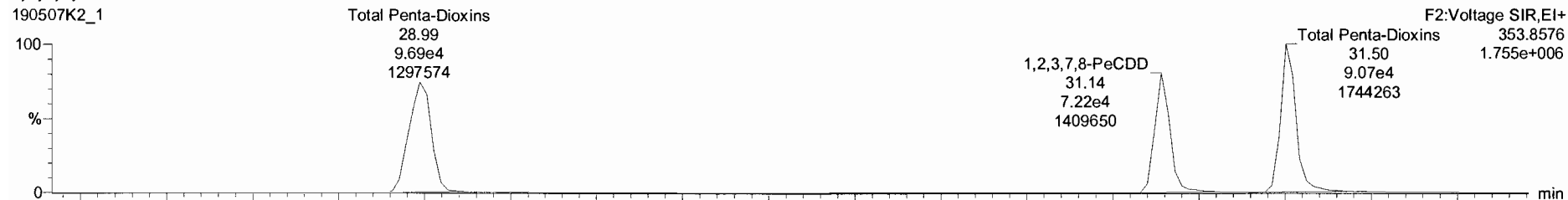


Dataset: Untitled

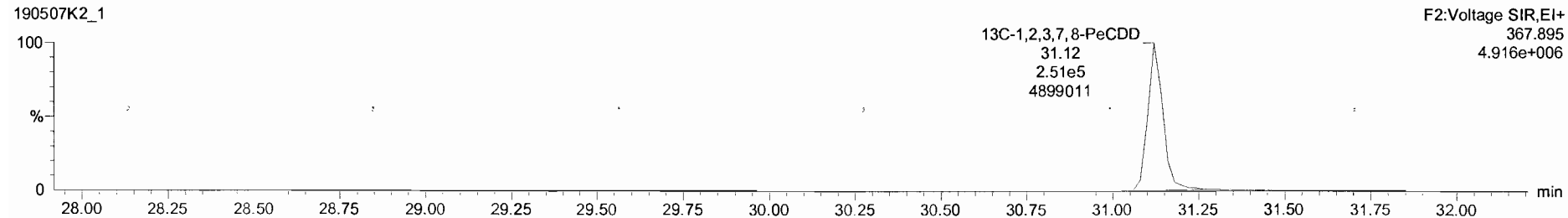
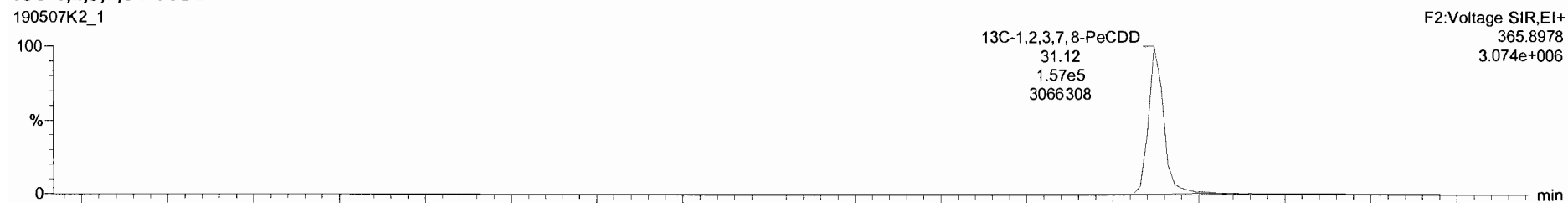
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1,2,3,7,8-PeCDD



13C-1,2,3,7,8-PeCDD

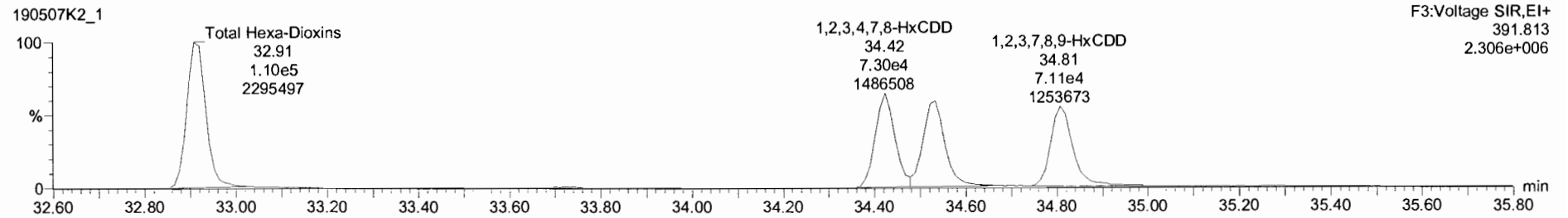
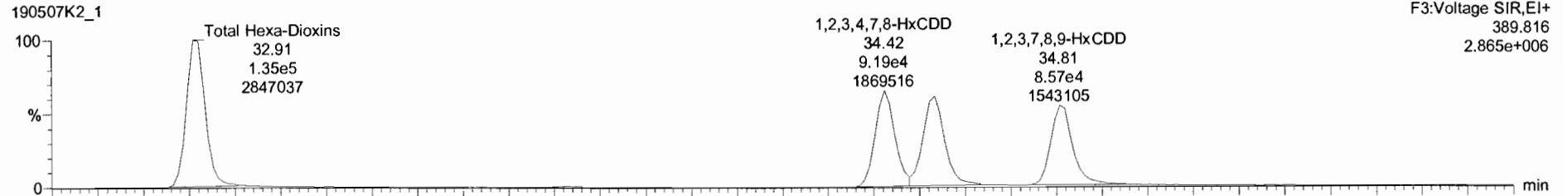


Dataset: Untitled

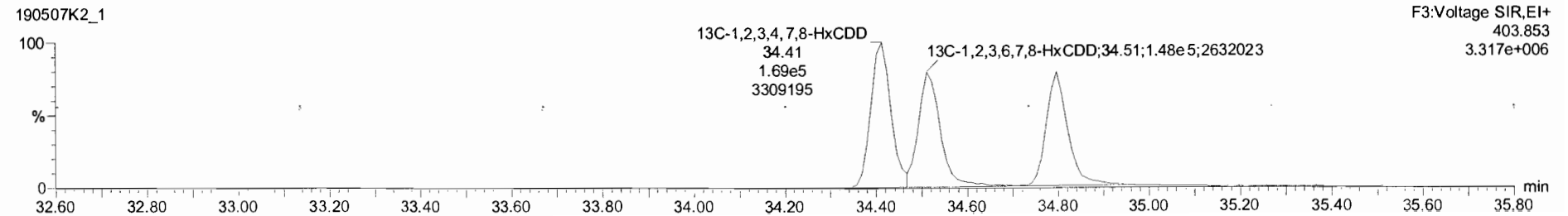
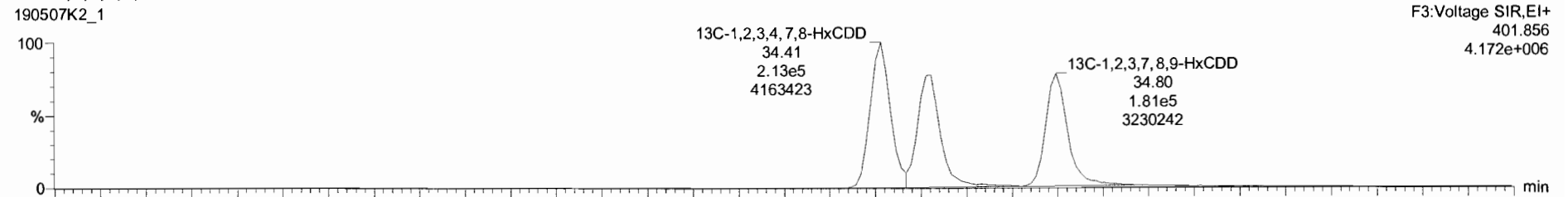
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1,2,3,4,7,8-HxCDD



13C-1,2,3,4,7,8-HxCDD



Dataset: Untitled

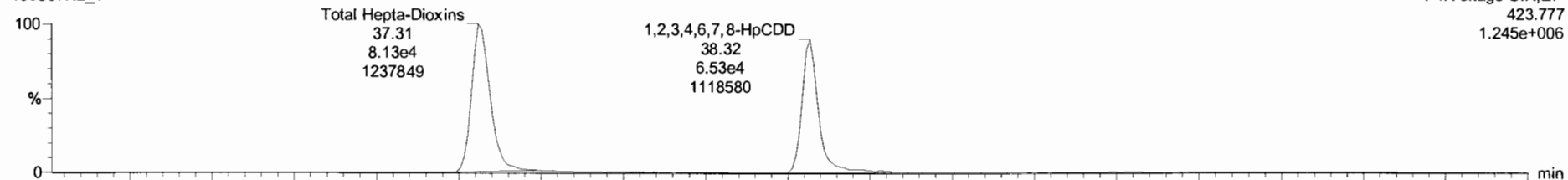
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

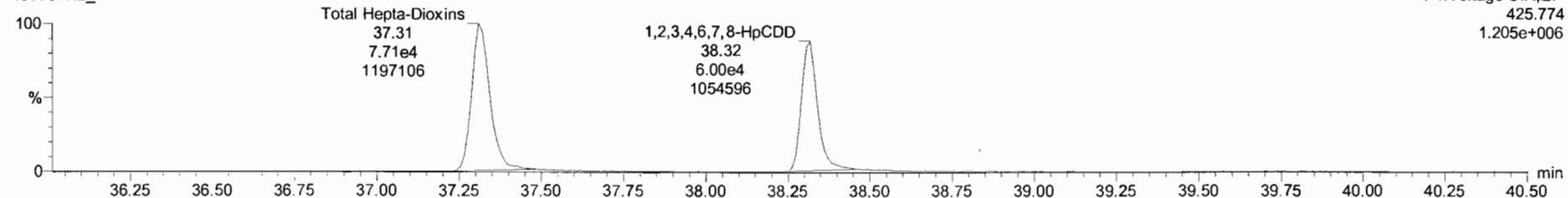
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1,2,3,4,6,7,8-HpCDD

190507K2_1

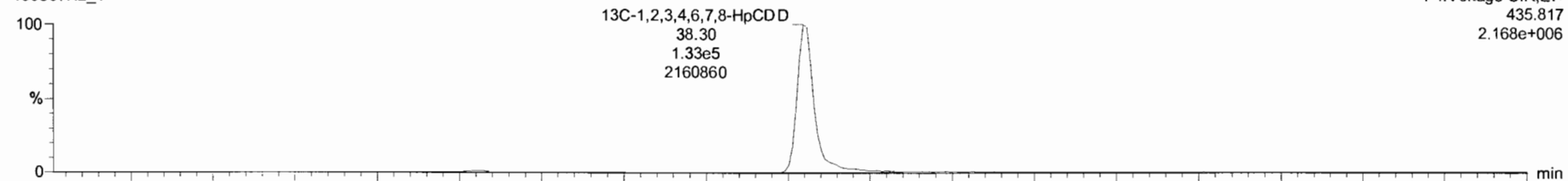


190507K2_1

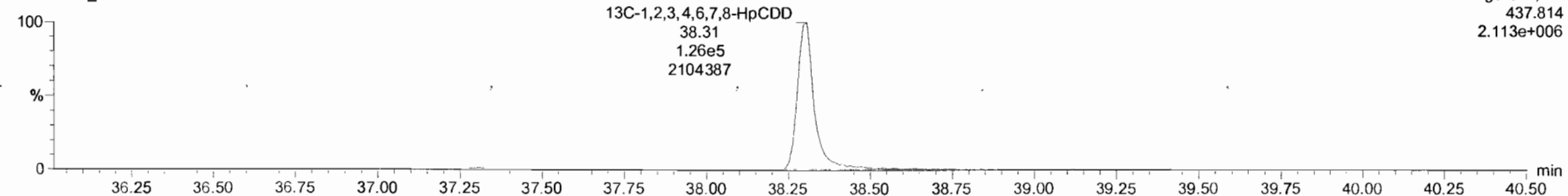


13C-1,2,3,4,6,7,8-HpCDD

190507K2_1



190507K2_1



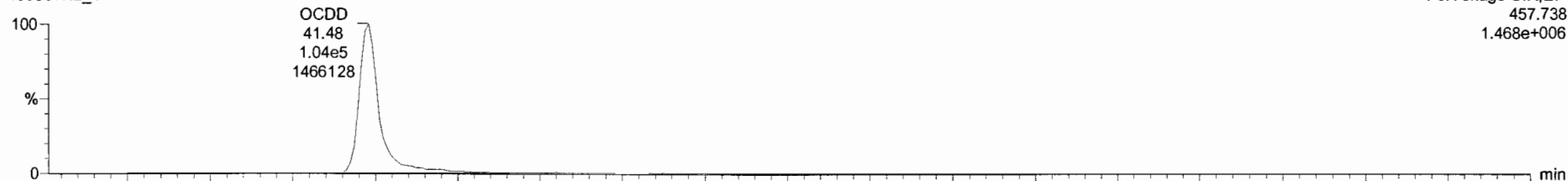
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

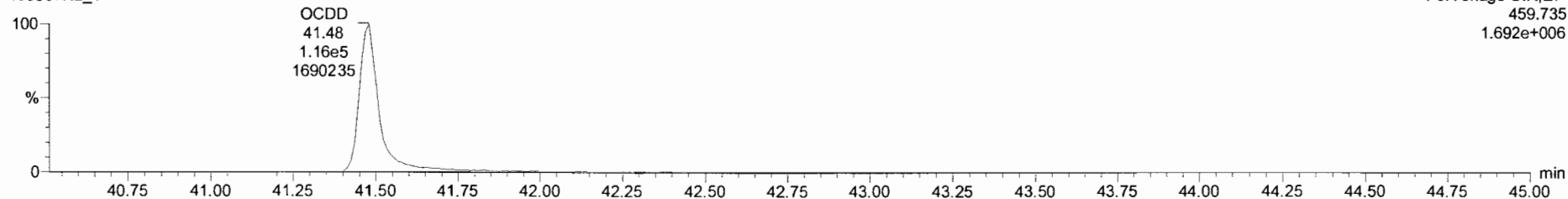
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

OCDD

190507K2_1

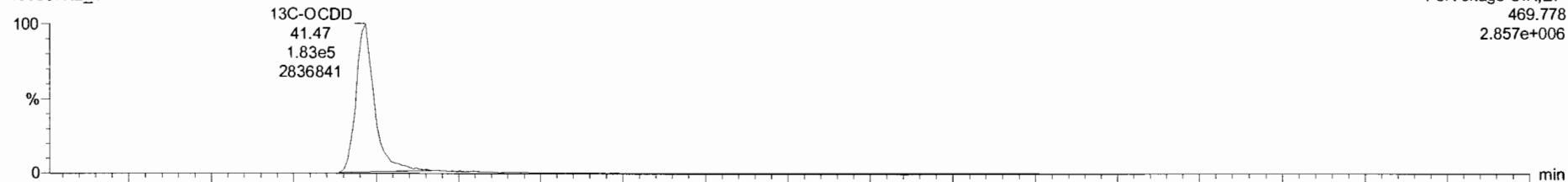


190507K2_1

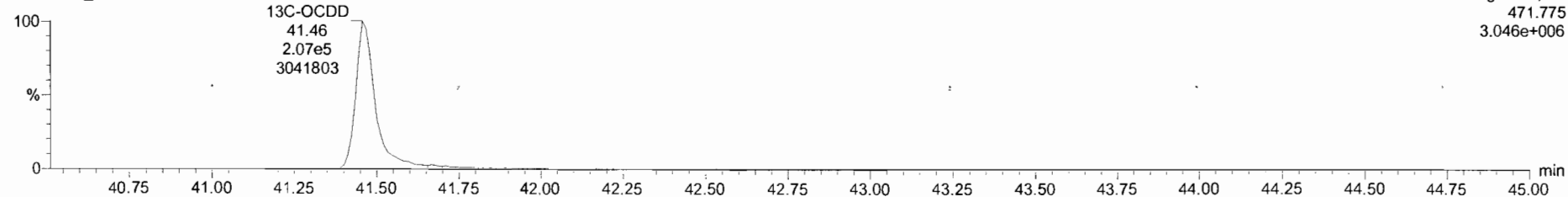


13C-OCDD

190507K2_1



190507K2_1

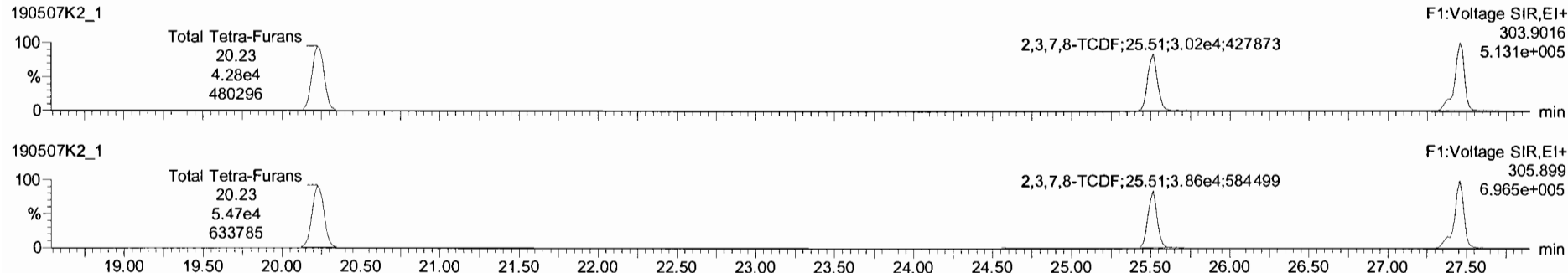


Dataset: Untitled

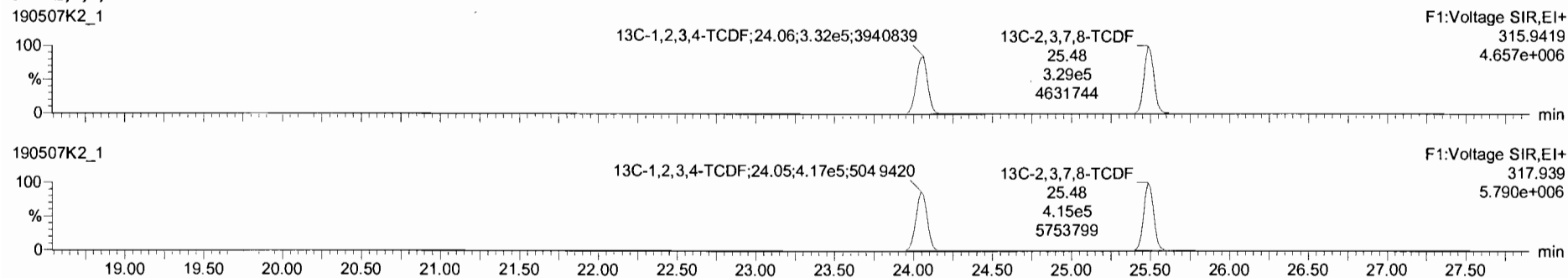
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

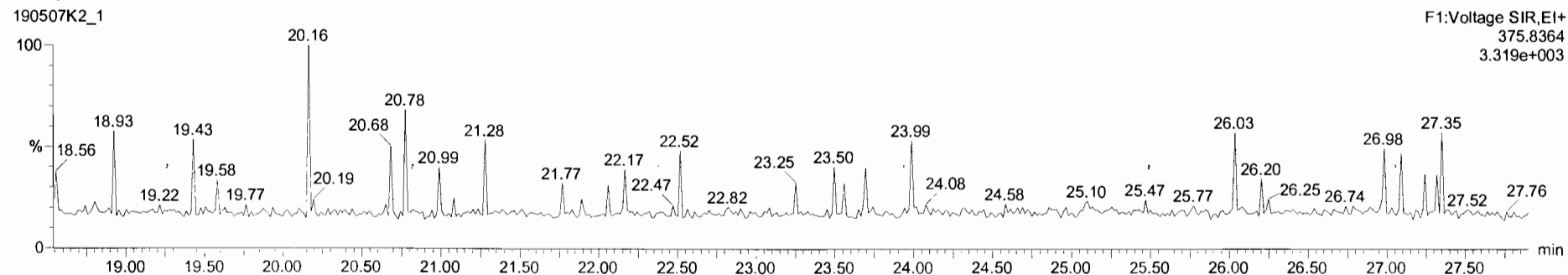
2,3,7,8-TCDF



13C-2,3,7,8-TCDF



DPE1



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

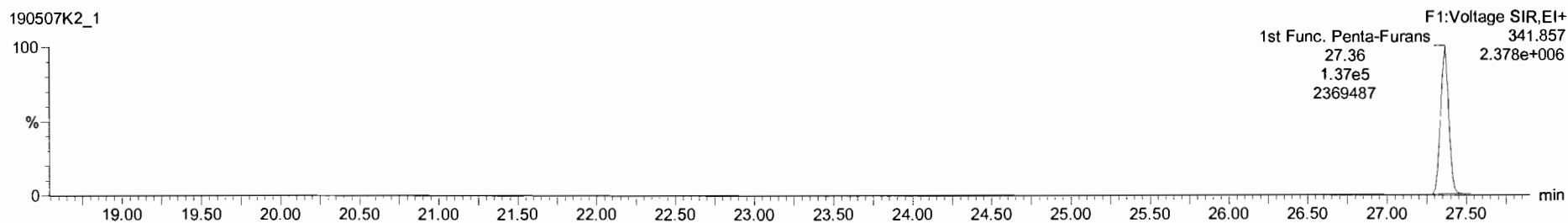
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1st Func. Penta-Furans

190507K2_1

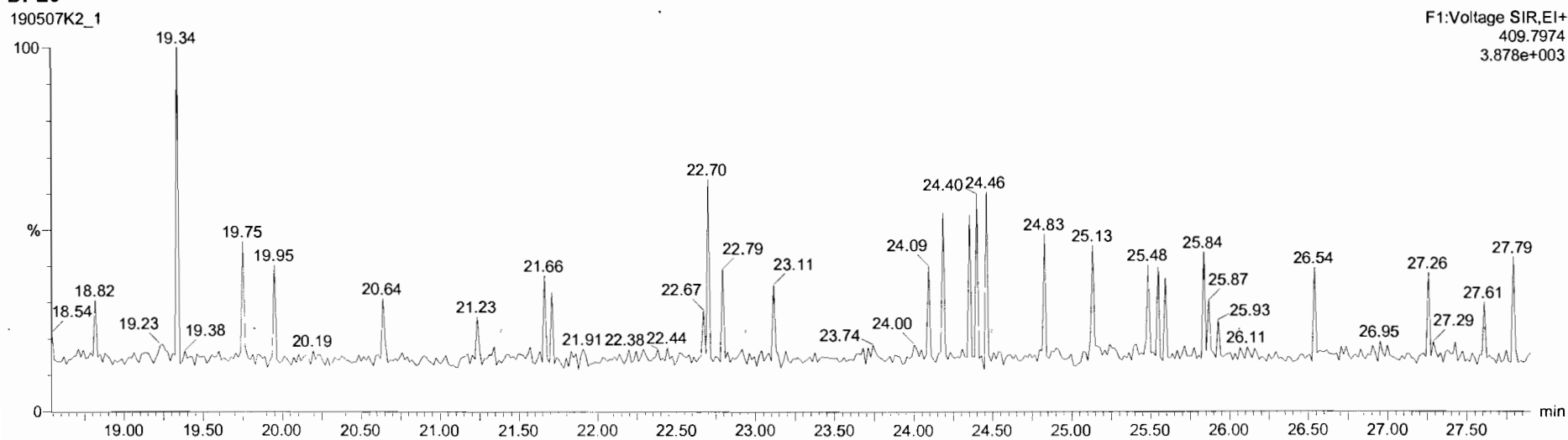


190507K2_1



DPE6

190507K2_1



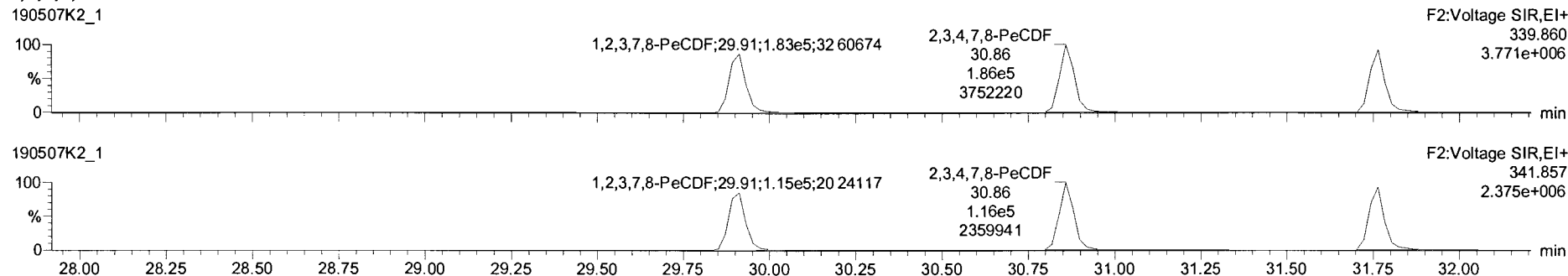
Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

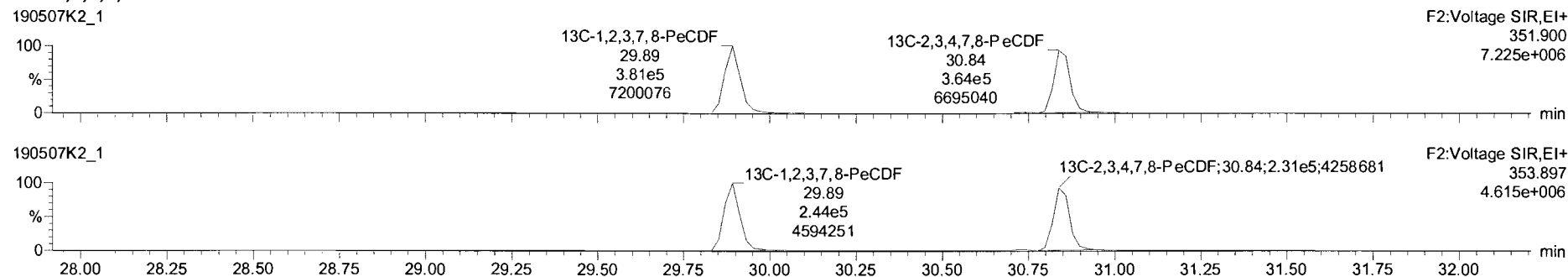
1,2,3,7,8-PeCDF

190507K2_1



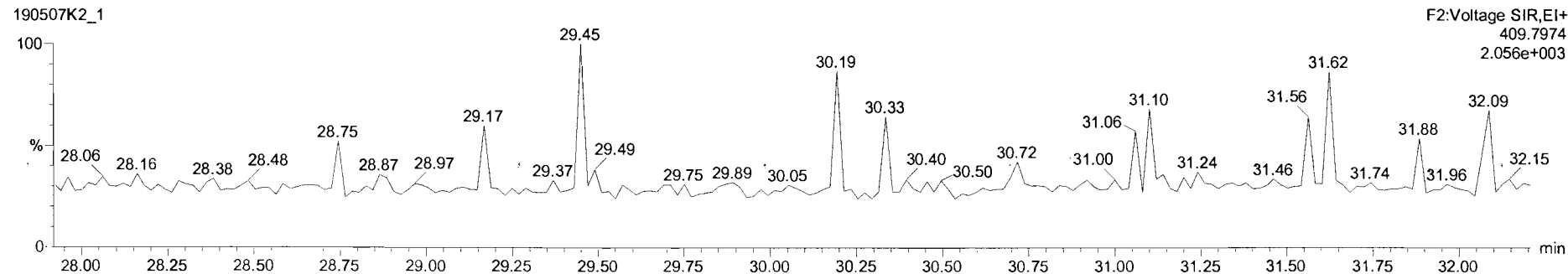
13C-1,2,3,7,8-PeCDF

190507K2_1



DPE2

190507K2_1



Dataset: Untitled

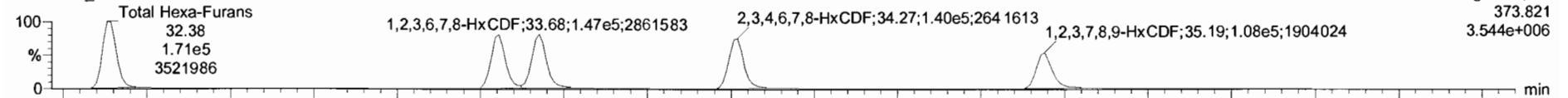
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

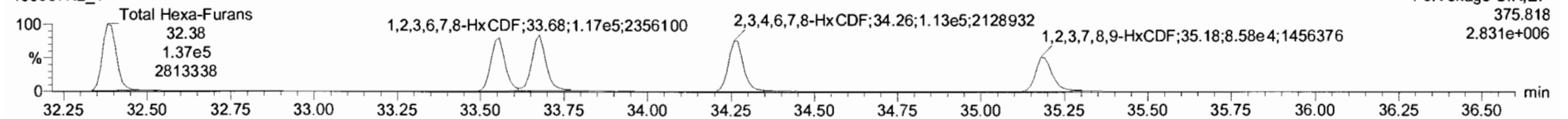
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1,2,3,4,7,8-HxCDF

190507K2_1

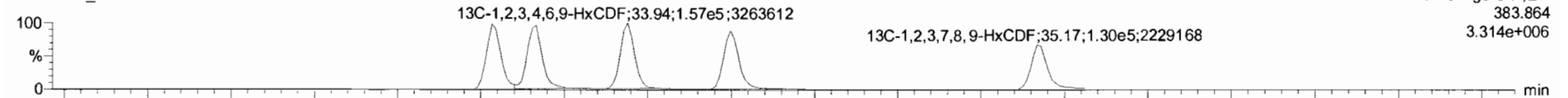


190507K2_1

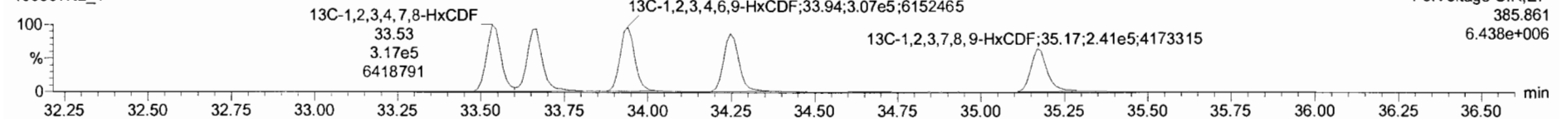


13C-1,2,3,4,7,8-HxCDF

190507K2_1

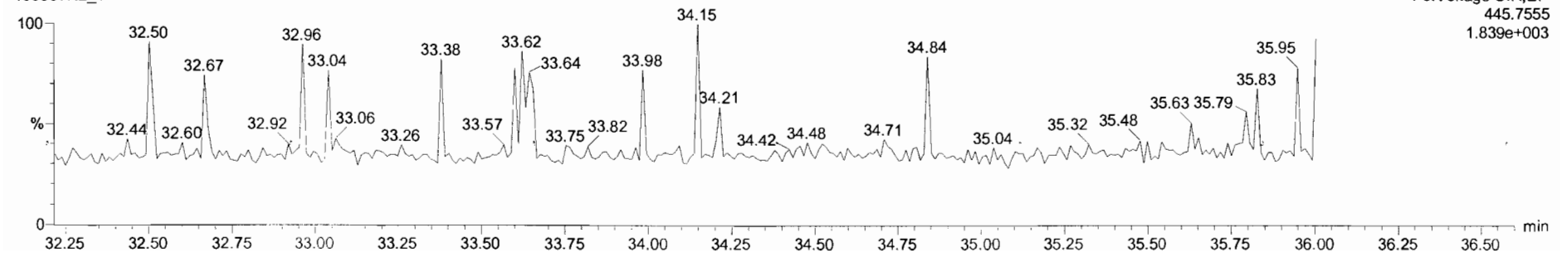


190507K2_1



DPE3

190507K2_1



Dataset: Untitled

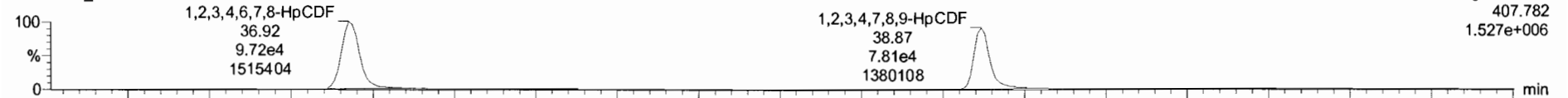
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

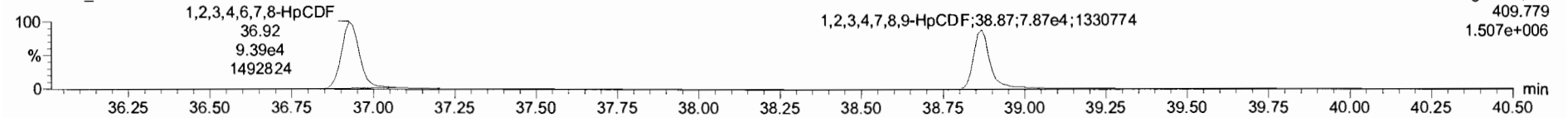
Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

1,2,3,4,6,7,8-HpCDF

190507K2_1

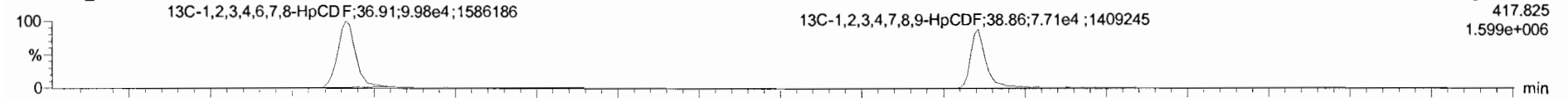


190507K2_1

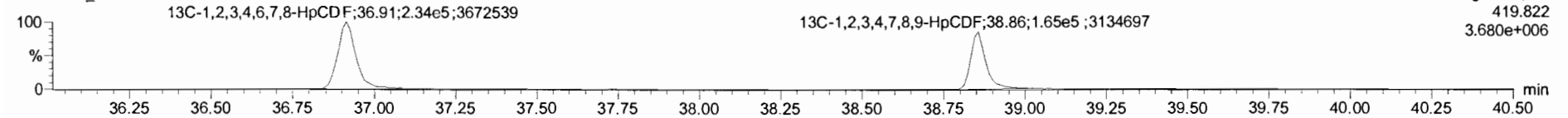


13C-1,2,3,4,6,7,8-HpCDF

190507K2_1

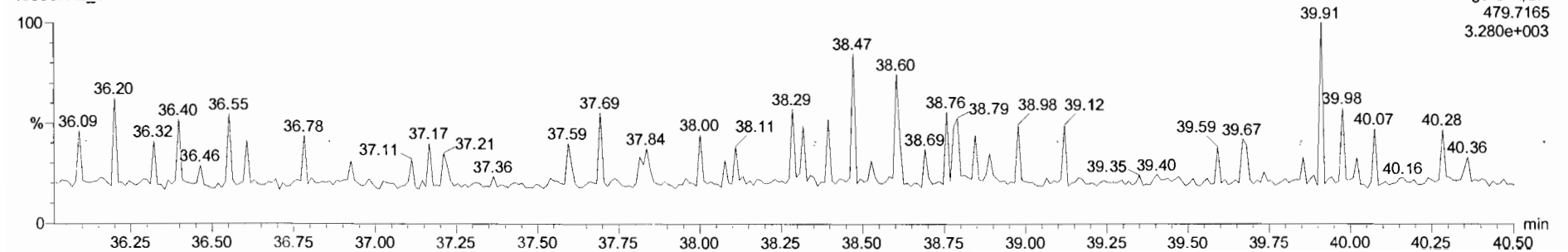


190507K2_1



DPE4

190507K2_1

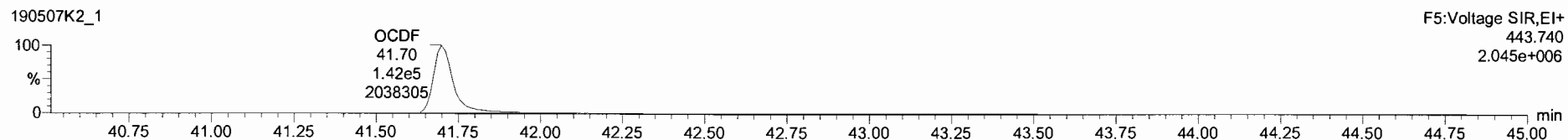
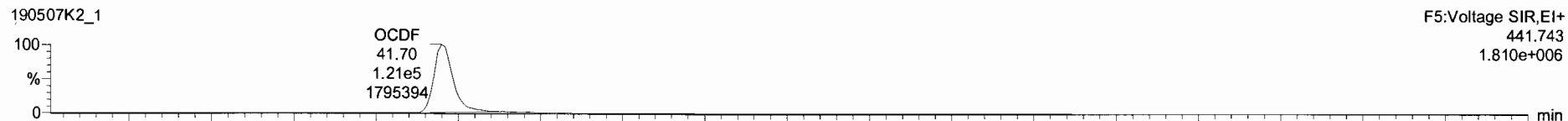


Dataset: Untitled

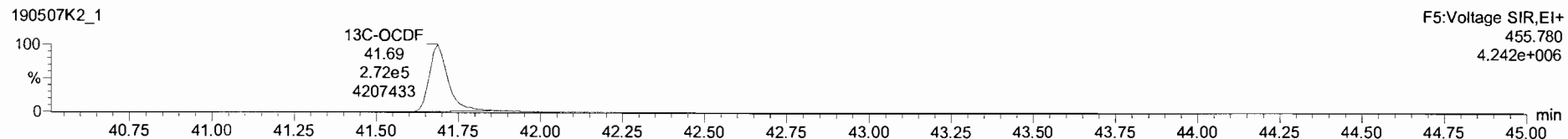
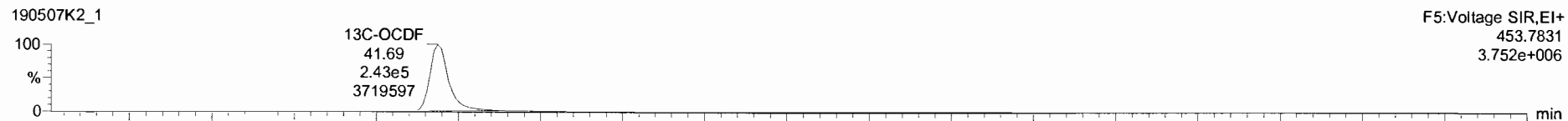
Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time
Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

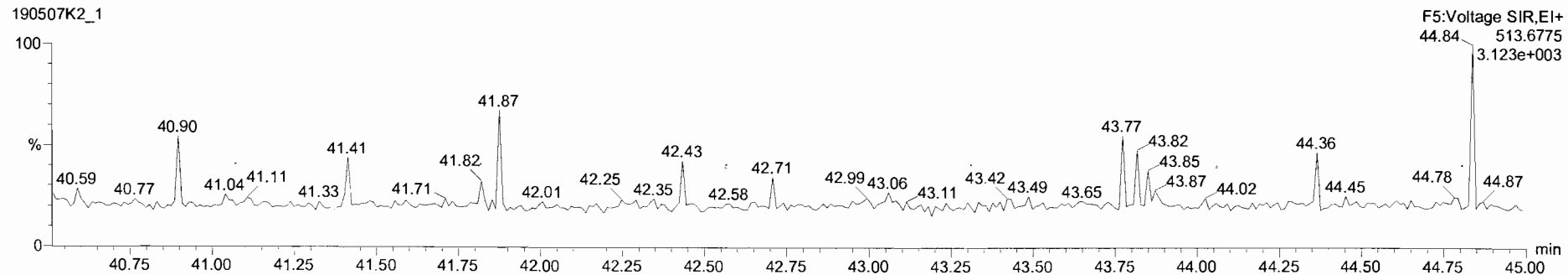
OCDF



13C-OCDF



DPE5



Dataset: Untitled

Last Altered: Wednesday, May 08, 2019 7:14:27 AM Pacific Daylight Time

Printed: Wednesday, May 08, 2019 7:19:34 AM Pacific Daylight Time

Name: 190507K2_1, Date: 07-May-2019, Time: 18:48:10, ID: ST190507K2_1 1613 CS3 18J1008, Description: 1613 CS3 18J1008

