

December 30, 2020

**Vista Work Order No. 2002549**

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 November 19, 2020 under your Project Name 'GascoSiltronic: US Moorings'.

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](mailto: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. 2002549**

### **Case Narrative**

#### **Sample Condition on Receipt:**

Five sediment samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. The collection time for sample "USMPDI-018SG-201116" was listed as "00:00" on the container label. The sample collection time was reported as it was listed on the Chain of Custody.

#### **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-DIOXIN GC column.

##### Holding Times

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

##### Quality Control

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

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

As requested, a laboratory duplicate was performed on sample "USMPDI-018SG-201116". The RPDs out of the acceptance criteria are reported in bold font on the datasheet.

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

##### **EPA Method 1668A**

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

##### Holding Times

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

##### Quality Control

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

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

As requested, a laboratory duplicate was performed on sample "USMPDI-018SG-201116". The RPD was out of the acceptance criteria for PCB-181.

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

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# Sample Inventory Report

<b>Vista Sample ID</b>	<b>Client Sample ID</b>	<b>Sampled</b>	<b>Received</b>	<b>Components/Containers</b>
2002549-01	USMPDI-013SG-201116	16-Nov-20 12:15	19-Nov-20 09:33	Amber Glass, 120 mL
2002549-02	USMPDI-014SG-201116	16-Nov-20 11:10	19-Nov-20 09:33	Amber Glass, 120 mL
2002549-03	USMPDI-018SG-201116	DUP16-Nov-20 14:20	19-Nov-20 09:33	Amber Glass, 120 mL Amber Glass, 120 mL
2002549-04	USMPDI-022SG-201116	16-Nov-20 15:25	19-Nov-20 09:33	Amber Glass, 120 mL
2002549-05	USMPDI-1022SG-201116	16-Nov-20 15:25	19-Nov-20 09:33	Amber Glass, 120 mL

## **ANALYTICAL RESULTS**

Sample ID: Method Blank					EPA Method 1613B				
Matrix: Solid Sample Size: 10.0 g		QC Batch: B0L0042 Date Extracted: 07-Dec-2020 11:51		Lab Sample: B0L0042-BLK1 Date Analyzed : 16-Dec-20 17:03 Column: ZB-DIOXIN					
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.206			IS 13C-2,3,7,8-TCDD	100	25 - 164		
1,2,3,7,8-PeCDD	ND	0.172			13C-1,2,3,7,8-PeCDD	97.3	25 - 181		
1,2,3,4,7,8-HxCDD	ND	0.297			13C-1,2,3,4,7,8-HxCDD	115	32 - 141		
1,2,3,6,7,8-HxCDD	ND	0.322			13C-1,2,3,6,7,8-HxCDD	111	28 - 130		
1,2,3,7,8,9-HxCDD	ND	0.305			13C-1,2,3,7,8,9-HxCDD	112	32 - 141		
1,2,3,4,6,7,8-HpCDD	ND	0.204			13C-1,2,3,4,6,7,8-HpCDD	102	23 - 140		
OCDD	ND	0.246			13C-OCDD	86.5	17 - 157		
2,3,7,8-TCDF	ND	0.163			13C-2,3,7,8-TCDF	101	24 - 169		
1,2,3,7,8-PeCDF	ND	0.133			13C-1,2,3,7,8-PeCDF	105	24 - 185		
2,3,4,7,8-PeCDF	ND	0.130			13C-2,3,4,7,8-PeCDF	110	21 - 178		
1,2,3,4,7,8-HxCDF	ND	0.0895			13C-1,2,3,4,7,8-HxCDF	98.8	26 - 152		
1,2,3,6,7,8-HxCDF	ND	0.0907			13C-1,2,3,6,7,8-HxCDF	95.7	26 - 123		
2,3,4,6,7,8-HxCDF	ND	0.0946			13C-2,3,4,6,7,8-HxCDF	100	28 - 136		
1,2,3,7,8,9-HxCDF	ND	0.114			13C-1,2,3,7,8,9-HxCDF	98.0	29 - 147		
1,2,3,4,6,7,8-HpCDF	ND	0.0942			13C-1,2,3,4,6,7,8-HpCDF	81.5	28 - 143		
1,2,3,4,7,8,9-HpCDF	ND	0.0948			13C-1,2,3,4,7,8,9-HpCDF	88.6	26 - 138		
OCDF	ND	0.276			13C-OCDF	83.0	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	85.3	35 - 197		
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>				
					TEQMinWHO2005Dioxin		0.00		
<b>TOTALS</b>									
Total TCDD	ND	0.130							
Total PeCDD	ND	0.0717							
Total HxCDD	ND	0.147							
Total HpCDD	ND	0.139							
Total TCDF	ND	0.0676							
Total PeCDF	ND	0.0457							
Total HxCDF	ND	0.0616							
Total HpCDF	ND	0.0603							

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 Sample Size: 10.0 g		QC Batch: B0L0042 Date Extracted: 07-Dec-2020 11:51		Lab Sample: B0L0042-BS1 Date Analyzed: 16-Dec-20 15:31 Column: ZB-DIOXIN			
Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
2,3,7,8-TCDD	18.3	20.0	91.3	67 - 158	IS 13C-2,3,7,8-TCDD	102	20 - 175
1,2,3,7,8-PeCDD	93.2	100	93.2	70 - 142	13C-1,2,3,7,8-PeCDD	99.0	21 - 227
1,2,3,4,7,8-HxCDD	89.6	100	89.6	70 - 164	13C-1,2,3,4,7,8-HxCDD	114	21 - 193
1,2,3,6,7,8-HxCDD	89.0	100	89.0	76 - 134	13C-1,2,3,6,7,8-HxCDD	111	25 - 163
1,2,3,7,8,9-HxCDD	87.7	100	87.7	64 - 162	13C-1,2,3,7,8,9-HxCDD	115	21 - 193
1,2,3,4,6,7,8-HpCDD	87.2	100	87.2	70 - 140	13C-1,2,3,4,6,7,8-HpCDD	104	26 - 166
OCDD	183	200	91.6	78 - 144	13C-OCDD	87.2	13 - 199
2,3,7,8-TCDF	15.6	20.0	77.8	75 - 158	13C-2,3,7,8-TCDF	104	22 - 152
1,2,3,7,8-PeCDF	87.0	100	87.0	80 - 134	13C-1,2,3,7,8-PeCDF	104	21 - 192
2,3,4,7,8-PeCDF	92.9	100	92.9	68 - 160	13C-2,3,4,7,8-PeCDF	109	13 - 328
1,2,3,4,7,8-HxCDF	92.3	100	92.3	72 - 134	13C-1,2,3,4,7,8-HxCDF	97.2	19 - 202
1,2,3,6,7,8-HxCDF	88.2	100	88.2	84 - 130	13C-1,2,3,6,7,8-HxCDF	95.6	21 - 159
2,3,4,6,7,8-HxCDF	89.2	100	89.2	70 - 156	13C-2,3,4,6,7,8-HxCDF	97.7	22 - 176
1,2,3,7,8,9-HxCDF	88.8	100	88.8	78 - 130	13C-1,2,3,7,8,9-HxCDF	102	17 - 205
1,2,3,4,6,7,8-HpCDF	89.0	100	89.0	82 - 122	13C-1,2,3,4,6,7,8-HpCDF	80.9	21 - 158
1,2,3,4,7,8,9-HpCDF	85.9	100	85.9	78 - 138	13C-1,2,3,4,7,8,9-HpCDF	87.8	20 - 186
OCDF	189	200	94.3	63 - 170	13C-OCDF	81.5	13 - 199
					CRS 37Cl-2,3,7,8-TCDD	89.4	31 - 191

LCL-UCL - Lower control limit - upper control limit



**Sample ID: USMPDI-013SG-201116** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002549-01      Date Received: 19-Nov-2020 9:33
Project: GascoSiltronic: US Moorings	Sample Size: 27.4 g	QC Batch: B0L0042      Date Extracted: 07-Dec-2020 11:51
Date Collected: 16-Nov-2020 12:15	% Solids: 36.8	Date Analyzed: 17-Dec-20 11:56      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.200			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.251			13C-1,2,3,7,8-PeCDD	98.5	25 - 181	
1,2,3,4,7,8-HxCDD	0.934			J	13C-1,2,3,4,7,8-HxCDD	109	32 - 141	
1,2,3,6,7,8-HxCDD	5.67				13C-1,2,3,6,7,8-HxCDD	110	28 - 130	
1,2,3,7,8,9-HxCDD	1.90			J	13C-1,2,3,7,8,9-HxCDD	107	32 - 141	
1,2,3,4,6,7,8-HpCDD	124				13C-1,2,3,4,6,7,8-HpCDD	99.9	23 - 140	
OCDD	1190				13C-OCDD	90.5	17 - 157	
2,3,7,8-TCDF	13.9				13C-2,3,7,8-TCDF	99.0	24 - 169	
1,2,3,7,8-PeCDF	50.4				13C-1,2,3,7,8-PeCDF	97.7	24 - 185	
2,3,4,7,8-PeCDF	18.9				13C-2,3,4,7,8-PeCDF	102	21 - 178	
1,2,3,4,7,8-HxCDF	77.3				13C-1,2,3,4,7,8-HxCDF	100	26 - 152	
1,2,3,6,7,8-HxCDF	16.4				13C-1,2,3,6,7,8-HxCDF	101	26 - 123	
2,3,4,6,7,8-HxCDF	5.21				13C-2,3,4,6,7,8-HxCDF	101	28 - 136	
1,2,3,7,8,9-HxCDF	1.60			J	13C-1,2,3,7,8,9-HxCDF	99.7	29 - 147	
1,2,3,4,6,7,8-HpCDF	33.2				13C-1,2,3,4,6,7,8-HpCDF	88.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	10.6				13C-1,2,3,4,7,8,9-HpCDF	91.3	26 - 138	
OCDF	90.3				13C-OCDF	84.8	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	89.0	35 - 197	

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

TEQMinWHO2005Dioxin      21.5

<b>TOTALS</b>		
Total TCDD	2.34	
Total PeCDD	1.55	3.47
Total HxCDD	23.3	36.3
Total HpCDD	273	
Total TCDF	31.1	33.5
Total PeCDF	106	
Total HxCDF	142	
Total HpCDF	97.9	

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: USMPDI-014SG-201116** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002549-02      Date Received: 19-Nov-2020 9:33
Project: GascoSiltronic: US Moorings	Sample Size: 25.0 g	QC Batch: B0L0042      Date Extracted: 07-Dec-2020 11:51
Date Collected: 16-Nov-2020 11:10	% Solids: 40.5	Date Analyzed: 17-Dec-20 12:43      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.136			IS 13C-2,3,7,8-TCDD	101	25 - 164	
1,2,3,7,8-PeCDD	ND	0.197			13C-1,2,3,7,8-PeCDD	96.8	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.437			13C-1,2,3,4,7,8-HxCDD	113	32 - 141	
1,2,3,6,7,8-HxCDD	2.26			J	13C-1,2,3,6,7,8-HxCDD	117	28 - 130	
1,2,3,7,8,9-HxCDD	ND		0.854		13C-1,2,3,7,8,9-HxCDD	113	32 - 141	
1,2,3,4,6,7,8-HpCDD	110				13C-1,2,3,4,6,7,8-HpCDD	100	23 - 140	
OCDD	1150				13C-OCDD	91.6	17 - 157	
2,3,7,8-TCDF	2.90				13C-2,3,7,8-TCDF	101	24 - 169	
1,2,3,7,8-PeCDF	6.39				13C-1,2,3,7,8-PeCDF	100	24 - 185	
2,3,4,7,8-PeCDF	3.47				13C-2,3,4,7,8-PeCDF	103	21 - 178	
1,2,3,4,7,8-HxCDF	11.2				13C-1,2,3,4,7,8-HxCDF	101	26 - 152	
1,2,3,6,7,8-HxCDF	2.80				13C-1,2,3,6,7,8-HxCDF	100	26 - 123	
2,3,4,6,7,8-HxCDF	1.30			J	13C-2,3,4,6,7,8-HxCDF	101	28 - 136	
1,2,3,7,8,9-HxCDF	0.504			J	13C-1,2,3,7,8,9-HxCDF	102	29 - 147	
1,2,3,4,6,7,8-HpCDF	9.23				13C-1,2,3,4,6,7,8-HpCDF	89.0	28 - 143	
1,2,3,4,7,8,9-HpCDF	1.42			J	13C-1,2,3,4,7,8,9-HpCDF	92.9	26 - 138	
OCDF	16.1				13C-OCDF	87.9	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	94.8	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      4.89

<b>TOTALS</b>				
Total TCDD	0.732			
Total PeCDD	0.635			
Total HxCDD	19.5		20.3	
Total HpCDD	283			
Total TCDF	5.75		7.70	
Total PeCDF	19.7		20.1	
Total HxCDF	30.0			
Total HpCDF	26.0			

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: USMPDI-018SG-201116** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002549-03      Date Received: 19-Nov-2020 9:33
Project: GascoSiltronic: US Moorings	Sample Size: 23.1 g	QC Batch: B0L0042      Date Extracted: 07-Dec-2020 11:51
Date Collected: 16-Nov-2020 14:20	% Solids: 43.9	Date Analyzed: 17-Dec-20 13:29      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.140			IS 13C-2,3,7,8-TCDD	97.2	25 - 164	
1,2,3,7,8-PeCDD	ND	0.362			13C-1,2,3,7,8-PeCDD	97.9	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.297			13C-1,2,3,4,7,8-HxCDD	107	32 - 141	
1,2,3,6,7,8-HxCDD	1.09			J	13C-1,2,3,6,7,8-HxCDD	107	28 - 130	
1,2,3,7,8,9-HxCDD	ND	0.303			13C-1,2,3,7,8,9-HxCDD	106	32 - 141	
1,2,3,4,6,7,8-HpCDD	28.3				13C-1,2,3,4,6,7,8-HpCDD	98.2	23 - 140	
OCDD	270				13C-OCDD	89.7	17 - 157	
2,3,7,8-TCDF	3.02				13C-2,3,7,8-TCDF	95.7	24 - 169	
1,2,3,7,8-PeCDF	3.19				13C-1,2,3,7,8-PeCDF	96.3	24 - 185	
2,3,4,7,8-PeCDF	2.24			J	13C-2,3,4,7,8-PeCDF	102	21 - 178	
1,2,3,4,7,8-HxCDF	5.17				13C-1,2,3,4,7,8-HxCDF	101	26 - 152	
1,2,3,6,7,8-HxCDF	1.51			J	13C-1,2,3,6,7,8-HxCDF	98.7	26 - 123	
2,3,4,6,7,8-HxCDF	ND		0.611		13C-2,3,4,6,7,8-HxCDF	98.5	28 - 136	
1,2,3,7,8,9-HxCDF	0.305			J	13C-1,2,3,7,8,9-HxCDF	99.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	5.43				13C-1,2,3,4,6,7,8-HpCDF	84.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		1.31		13C-1,2,3,4,7,8,9-HpCDF	89.6	26 - 138	
OCDF	13.9				13C-OCDF	87.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	93.8	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      2.30

<b>TOTALS</b>				
Total TCDD	0.448			
Total PeCDD	ND	0.362		
Total HxCDD	6.24		9.28	
Total HpCDD	75.5			
Total TCDF	7.32		11.0	
Total PeCDF	12.0		12.5	
Total HxCDF	14.1		14.8	
Total HpCDF	14.2		15.5	

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

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

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: USMPDI-018SG-201116		QC Batch: B0L0042		Lab Sample: B0L0042-DUP2					
Source LabNumber: 2002549-03		Date Extracted: 07-Dec-2020 11:51		Date Analyzed: 17-Dec-20 14:15 Column: ZB-DIOXIN					
Matrix: Solid									
Sample Size: 22.9 g									
Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers	
2,3,7,8-TCDD	ND	0.179			IS 13C-2,3,7,8-TCDD	93.5	25 - 164		
1,2,3,7,8-PeCDD	ND		0.631		13C-1,2,3,7,8-PeCDD	91.9	25 - 181		
1,2,3,4,7,8-HxCDD	0.756			J	13C-1,2,3,4,7,8-HxCDD	107	32 - 141		
1,2,3,6,7,8-HxCDD	3.69				13C-1,2,3,6,7,8-HxCDD	108	28 - 130		
1,2,3,7,8,9-HxCDD	1.65			J	13C-1,2,3,7,8,9-HxCDD	106	32 - 141		
1,2,3,4,6,7,8-HpCDD	96.6				13C-1,2,3,4,6,7,8-HpCDD	96.8	23 - 140		
OCDD	1030				13C-OCDD	89.3	17 - 157		
2,3,7,8-TCDF	6.80				13C-2,3,7,8-TCDF	98.9	24 - 169		
1,2,3,7,8-PeCDF	9.03				13C-1,2,3,7,8-PeCDF	96.1	24 - 185		
2,3,4,7,8-PeCDF	4.96				13C-2,3,4,7,8-PeCDF	104	21 - 178		
1,2,3,4,7,8-HxCDF	13.7				13C-1,2,3,4,7,8-HxCDF	101	26 - 152		
1,2,3,6,7,8-HxCDF	4.35				13C-1,2,3,6,7,8-HxCDF	96.5	26 - 123		
2,3,4,6,7,8-HxCDF	2.06			J	13C-2,3,4,6,7,8-HxCDF	97.2	28 - 136		
1,2,3,7,8,9-HxCDF	0.764			J	13C-1,2,3,7,8,9-HxCDF	98.1	29 - 147		
1,2,3,4,6,7,8-HpCDF	17.3				13C-1,2,3,4,6,7,8-HpCDF	86.8	28 - 143		
1,2,3,4,7,8,9-HpCDF	3.22				13C-1,2,3,4,7,8,9-HpCDF	91.5	26 - 138		
OCDF	46.0				13C-OCDF	88.2	17 - 157		
					CRS 37Cl-2,3,7,8-TCDD	90.8	35 - 197		
					<b>Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)</b>				
					TEQMinWHO2005Dioxin		6.63		
<b>TOTALS</b>									
Total TCDD	2.68								
Total PeCDD	3.18		4.65						
Total HxCDD	21.4		31.8						
Total HpCDD	251								
Total TCDF	24.8		26.9						
Total PeCDF	29.1		30.7						
Total HxCDF	47.0								
Total HpCDF	57.2								

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.

weight.

The sample size is reported in wet

Sample ID: Duplicate					EPA Method 1613B				
Source Client ID: USMPDI-018SG-201116					Duplicate Lab Sample: B0L0042-DUP2				
Source LabNumber: 2002549-03									
Matrix: Solid									
Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limits	Labeled Standard	Dup %R	Source %R	LCL-UCL	
2,3,7,8-TCDD	ND	ND	NA	35	IS 13C-2,3,7,8-TCDD	93.5	97.2	25 - 164	
1,2,3,7,8-PeCDD	ND	ND	NA	35	13C-1,2,3,7,8-PeCDD	91.9	97.9	25 - 181	
1,2,3,4,7,8-HxCDD	0.756	ND	#	35	13C-1,2,3,4,7,8-HxCDD	107	107	32 - 141	
1,2,3,6,7,8-HxCDD	3.69	1.09	109	35	13C-1,2,3,6,7,8-HxCDD	108	107	28 - 130	
1,2,3,7,8,9-HxCDD	1.65	ND	#	35	13C-1,2,3,7,8,9-HxCDD	106	106	32 - 141	
1,2,3,4,6,7,8-HpCDD	96.6	28.3	109	35	13C-1,2,3,4,6,7,8-HpCDD	96.8	98.2	23 - 140	
OCDD	1030	270	117	35	13C-OCDD	89.3	89.7	17 - 157	
2,3,7,8-TCDF	6.80	3.02	77.1	35	13C-2,3,7,8-TCDF	98.9	95.7	24 - 169	
1,2,3,7,8-PeCDF	9.03	3.19	95.5	35	13C-1,2,3,7,8-PeCDF	96.1	96.3	24 - 185	
2,3,4,7,8-PeCDF	4.96	2.24	75.4	35	13C-2,3,4,7,8-PeCDF	104	102	21 - 178	
1,2,3,4,7,8-HxCDF	13.7	5.17	90.6	35	13C-1,2,3,4,7,8-HxCDF	101	101	26 - 152	
1,2,3,6,7,8-HxCDF	4.35	1.51	97.1	35	13C-1,2,3,6,7,8-HxCDF	96.5	98.7	26 - 123	
2,3,4,6,7,8-HxCDF	2.06	ND	#	35	13C-2,3,4,6,7,8-HxCDF	97.2	98.5	28 - 136	
1,2,3,7,8,9-HxCDF	0.764	0.305	85.9	35	13C-1,2,3,7,8,9-HxCDF	98.1	99.4	29 - 147	
1,2,3,4,6,7,8-HpCDF	17.3	5.43	104	35	13C-1,2,3,4,6,7,8-HpCDF	86.8	84.5	28 - 143	
1,2,3,4,7,8,9-HpCDF	3.22	ND	#	35	13C-1,2,3,4,7,8,9-HpCDF	91.5	89.6	26 - 138	
OCDF	46.0	13.9	107	35	13C-OCDF	88.2	87.2	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.8	93.8	35 - 197	

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

**Sample ID: USMPDI-022SG-201116** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002549-04      Date Received: 19-Nov-2020 9:33
Project: GascoSiltronic: US Moorings	Sample Size: 25.3 g	QC Batch: B0L0042      Date Extracted: 07-Dec-2020 11:51
Date Collected: 16-Nov-2020 15:25	% Solids: 39.7	Date Analyzed: 17-Dec-20 15:01      Column: ZB-DIOXIN

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
2,3,7,8-TCDD	ND	0.134			IS 13C-2,3,7,8-TCDD	97.9	25 - 164	
1,2,3,7,8-PeCDD	ND	0.202			13C-1,2,3,7,8-PeCDD	94.1	25 - 181	
1,2,3,4,7,8-HxCDD	ND	0.293			13C-1,2,3,4,7,8-HxCDD	115	32 - 141	
1,2,3,6,7,8-HxCDD	1.41			J	13C-1,2,3,6,7,8-HxCDD	111	28 - 130	
1,2,3,7,8,9-HxCDD	0.560			J	13C-1,2,3,7,8,9-HxCDD	113	32 - 141	
1,2,3,4,6,7,8-HpCDD	27.3				13C-1,2,3,4,6,7,8-HpCDD	104	23 - 140	
OCDD	196				13C-OCDD	92.0	17 - 157	
2,3,7,8-TCDF	ND		0.651		13C-2,3,7,8-TCDF	101	24 - 169	
1,2,3,7,8-PeCDF	ND		0.543		13C-1,2,3,7,8-PeCDF	103	24 - 185	
2,3,4,7,8-PeCDF	ND		0.370		13C-2,3,4,7,8-PeCDF	104	21 - 178	
1,2,3,4,7,8-HxCDF	0.983			J	13C-1,2,3,4,7,8-HxCDF	103	26 - 152	
1,2,3,6,7,8-HxCDF	0.264			J	13C-1,2,3,6,7,8-HxCDF	100	26 - 123	
2,3,4,6,7,8-HxCDF	0.208			J	13C-2,3,4,6,7,8-HxCDF	103	28 - 136	
1,2,3,7,8,9-HxCDF	ND	0.205			13C-1,2,3,7,8,9-HxCDF	106	29 - 147	
1,2,3,4,6,7,8-HpCDF	3.04				13C-1,2,3,4,6,7,8-HpCDF	89.3	28 - 143	
1,2,3,4,7,8,9-HpCDF	ND		0.264		13C-1,2,3,4,7,8,9-HpCDF	94.9	26 - 138	
OCDF	5.35				13C-OCDF	87.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	90.4	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      0.706

<b>TOTALS</b>								
Total TCDD	ND	0.134						
Total PeCDD	ND	0.202						
Total HxCDD	4.25		6.79					
Total HpCDD	58.6							
Total TCDF	0.451		1.46					
Total PeCDF	0.900		2.30					
Total HxCDF	5.75							
Total HpCDF	8.93		9.19					

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: USMPDI-1022SG-201116** **EPA Method 1613B**

<b>Client Data</b>	<b>Sample Data</b>	<b>Laboratory Data</b>
Name: Anchor QEA, LLC	Matrix: Sediment	Lab Sample: 2002549-05      Date Received: 19-Nov-2020 9:33
Project: GascoSiltronic: US Moorings	Sample Size: 24.7 g	QC Batch: B0L0042      Date Extracted: 07-Dec-2020 11:51
Date Collected: 16-Nov-2020 15:29	% Solids: 40.7	Date Analyzed: 17-Dec-20 15:47      Column: ZB-DIOXIN

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	107	25 - 164	
1,2,3,7,8-PeCDD	ND		0.395		13C-1,2,3,7,8-PeCDD	103	25 - 181	
1,2,3,4,7,8-HxCDD	0.714			J	13C-1,2,3,4,7,8-HxCDD	123	32 - 141	
1,2,3,6,7,8-HxCDD	ND		2.96		13C-1,2,3,6,7,8-HxCDD	119	28 - 130	
1,2,3,7,8,9-HxCDD	1.27			J	13C-1,2,3,7,8,9-HxCDD	122	32 - 141	
1,2,3,4,6,7,8-HpCDD	78.8				13C-1,2,3,4,6,7,8-HpCDD	112	23 - 140	
OCDD	795				13C-OCDD	96.7	17 - 157	
2,3,7,8-TCDF	6.76				13C-2,3,7,8-TCDF	108	24 - 169	
1,2,3,7,8-PeCDF	14.4				13C-1,2,3,7,8-PeCDF	108	24 - 185	
2,3,4,7,8-PeCDF	6.51				13C-2,3,4,7,8-PeCDF	113	21 - 178	
1,2,3,4,7,8-HxCDF	35.5				13C-1,2,3,4,7,8-HxCDF	111	26 - 152	
1,2,3,6,7,8-HxCDF	10.7				13C-1,2,3,6,7,8-HxCDF	106	26 - 123	
2,3,4,6,7,8-HxCDF	2.22			J	13C-2,3,4,6,7,8-HxCDF	107	28 - 136	
1,2,3,7,8,9-HxCDF	1.30			J	13C-1,2,3,7,8,9-HxCDF	112	29 - 147	
1,2,3,4,6,7,8-HpCDF	39.2				13C-1,2,3,4,6,7,8-HpCDF	95.2	28 - 143	
1,2,3,4,7,8,9-HpCDF	7.08				13C-1,2,3,4,7,8,9-HpCDF	105	26 - 138	
OCDF	73.1				13C-OCDF	94.4	17 - 157	
					CRS 37Cl-2,3,7,8-TCDD	83.5	35 - 197	

**Toxic Equivalent Quotient (TEQ) Data (pg/g dry wt)**  
 TEQMinWHO2005Dioxin      9.74

<b>TOTALS</b>				
Total TCDD	1.32			
Total PeCDD	1.04		1.44	
Total HxCDD	16.7		19.7	
Total HpCDD	182			
Total TCDF	17.7		19.1	
Total PeCDF	36.5		37.7	
Total HxCDF	72.9			
Total HpCDF	92.6			

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

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

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0L0053	Lab Sample: B0L0053-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 14-Dec-20 17:19 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND	0.286			PCB-44	ND	0.383		
PCB-2	ND		0.821		PCB-45	ND	0.379		
PCB-3	ND		1.33		PCB-46	ND	0.395		
PCB-4/10	ND	2.09			PCB-47	ND	0.336		
PCB-5/8	ND	1.58			PCB-48/75	ND	0.280		
PCB-6	ND	1.55			PCB-50	ND	0.288		
PCB-7/9	ND	1.64			PCB-51	ND	0.304		
PCB-11	ND	1.54			PCB-52/69	ND	0.281		
PCB-12/13	ND	1.68			PCB-53	ND	0.324		
PCB-14	ND	1.67			PCB-54	ND	0.237		
PCB-15	ND	1.68			PCB-55	ND	0.232		
PCB-16/32	ND	0.345			PCB-56/60	ND	0.261		
PCB-17	ND	0.424			PCB-57	ND	0.229		
PCB-18	ND	0.395			PCB-58	ND	0.228		
PCB-19	ND	0.407			PCB-61/70	ND	0.252		
PCB-20/21/33	ND	0.321			PCB-62	ND	0.280		
PCB-22	ND	0.309			PCB-63	ND	0.254		
PCB-23	ND	0.328			PCB-65	ND	0.250		
PCB-24/27	ND	0.305			PCB-66/76	ND	0.230		
PCB-25	ND	0.320			PCB-67	ND	0.243		
PCB-26	ND	0.320			PCB-68	ND	0.244		
PCB-28	ND	0.288			PCB-73	ND	0.233		
PCB-29	ND	0.340			PCB-74	ND	0.227		
PCB-30	ND	0.257			PCB-77	ND	0.269		
PCB-31	ND	0.284			PCB-78	ND	0.256		
PCB-34	ND	0.333			PCB-79	ND	0.233		
PCB-35	ND	0.338			PCB-80	ND	0.229		
PCB-36	ND	0.331			PCB-81	ND	0.274		
PCB-37	ND	0.344			PCB-82	ND	0.507		
PCB-38	ND		0.720		PCB-83	ND	0.286		
PCB-39	ND	0.353			PCB-84/92	ND	0.438		
PCB-40	ND	0.507			PCB-85/116	ND	0.361		
PCB-41/64/71/72	ND	0.260			PCB-86	ND	0.420		
PCB-42/59	ND	0.298			PCB-87/117/125	ND	0.332		
PCB-43/49	ND	0.329			PCB-88/91	ND	0.430		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

See



**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0L0053	Lab Sample: B0L0053-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 14-Dec-20 17:19 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND	0.408			PCB-137	ND	0.331		
PCB-90/101	ND	0.400			PCB-138/163/164	ND	0.271		
PCB-93	ND	0.514			PCB-139/149	0.489			J
PCB-94	ND	0.471			PCB-140	ND	0.302		
PCB-95/98/102	ND	0.366			PCB-141	ND	0.336		
PCB-96	ND	0.289			PCB-142	ND	0.393		
PCB-97	ND	0.396			PCB-144	ND	0.285		
PCB-99	ND	0.364			PCB-145	ND	0.201		
PCB-100	ND	0.353			PCB-146/165	ND	0.287		
PCB-103	ND	0.369			PCB-147	ND	0.277		
PCB-104	ND	0.289			PCB-148	ND	0.296		
PCB-105	ND	0.295			PCB-150	ND	0.211		
PCB-106/118	ND	0.313			PCB-151	ND	0.292		
PCB-107/109	ND	0.292			PCB-152	ND	0.194		
PCB-108/112	ND	0.357			PCB-153	ND	0.273		
PCB-110	ND	0.297			PCB-154	ND	0.274		
PCB-111/115	ND	0.275			PCB-155	ND	0.231		
PCB-113	ND	0.287			PCB-156	ND	0.249		
PCB-114	ND	0.297			PCB-157	ND	0.293		
PCB-119	ND	0.291			PCB-158/160	ND	0.275		
PCB-120	ND	0.248			PCB-159	ND	0.241		
PCB-121	ND	0.267			PCB-166	ND	0.256		
PCB-122	ND	0.346			PCB-167	ND	0.263		
PCB-123	ND	0.323			PCB-168	ND	0.261		
PCB-124	ND	0.300			PCB-169	ND	0.267		
PCB-126	ND	0.275			PCB-170	ND	0.256		
PCB-127	ND	0.267			PCB-171	ND	0.241		
PCB-128/162	ND	0.316			PCB-172	ND	0.234		
PCB-129	ND	0.388			PCB-173	ND	0.275		
PCB-130	ND	0.390			PCB-174	ND	0.245		
PCB-131/133	ND	0.352			PCB-175	ND	0.218		
PCB-132/161	ND	0.282			PCB-176	ND	0.167		
PCB-134/143	ND	0.377			PCB-177	ND	0.257		
PCB-135	ND	0.273			PCB-178	ND	0.224		
PCB-136	ND	0.224			PCB-179	ND	0.173		

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0L0053	Lab Sample: B0L0053-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 14-Dec-20 17:19 Column: ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	ND	0.226			Total octaCB	0.930			
PCB-181	ND	0.221			Total nonaCB	ND	0.127		
PCB-182/187	ND	0.197			DecaCB	ND	0.0680		
PCB-183	ND	0.204			Total PCB	1.42			
PCB-184	ND	0.163							
PCB-185	ND	0.237							
PCB-186	ND	0.151							
PCB-188	ND	0.161							
PCB-189	ND	0.170							
PCB-190	ND	0.196							
PCB-191	ND	0.195							
PCB-192	ND	0.182							
PCB-193	ND	0.200							
PCB-194	0.930			J					
PCB-195	ND	0.221							
PCB-196/203	ND	0.252							
PCB-197	ND	0.197							
PCB-198	ND	0.273							
PCB-199	ND	0.269							
PCB-200	ND	0.209							
PCB-201	ND	0.210							
PCB-202	ND	0.191							
PCB-204	ND	0.199							
PCB-205	ND	0.167							
PCB-206	ND	0.127							
PCB-207	ND	0.102							
PCB-208	ND	0.100							
PCB-209	ND	0.0680							
Total monoCB	ND		2.15						
Total diCB	ND	2.09							
Total triCB	ND		0.720						
Total tetraCB	ND	0.507							
Total pentaCB	ND	0.514							
Total hexaCB	0.489								
Total heptaCB	ND	0.257							

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

See

**Sample ID: Method Blank**

**EPA Method 1668A**

Matrix: Solid	QC Batch: B0L0053	Lab Sample: B0L0053-BLK1
Sample Size: 5.00 g	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 14-Dec-20 17:19 Column: ZB-1

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	69.6	15 - 150		13C-PCB-157	62.9	25 - 150	
13C-PCB-3	71.0	15 - 150		13C-PCB-159	62.9	25 - 150	
13C-PCB-4	62.7	25 - 150		13C-PCB-167	62.8	25 - 150	
13C-PCB-11	64.2	25 - 150		13C-PCB-169	62.9	25 - 150	
13C-PCB-9	64.6	25 - 150		13C-PCB-170	64.5	25 - 150	
13C-PCB-19	70.6	25 - 150		13C-PCB-180	63.8	25 - 150	
13C-PCB-28	57.5	25 - 150		13C-PCB-188	62.8	25 - 150	
13C-PCB-32	69.1	25 - 150		13C-PCB-189	64.3	25 - 150	
13C-PCB-37	58.6	25 - 150		13C-PCB-194	62.2	25 - 150	
13C-PCB-47	64.3	25 - 150		13C-PCB-202	74.5	25 - 150	
13C-PCB-52	64.1	25 - 150		13C-PCB-206	66.0	25 - 150	
13C-PCB-54	66.3	25 - 150		13C-PCB-208	66.5	25 - 150	
13C-PCB-70	63.9	25 - 150		13C-PCB-209	73.6	25 - 150	
13C-PCB-77	61.0	25 - 150		CRS 13C-PCB-79	63.6	30 - 135	
13C-PCB-80	63.7	25 - 150		13C-PCB-178	69.5	30 - 135	
13C-PCB-81	62.3	25 - 150					
13C-PCB-95	63.9	25 - 150					
13C-PCB-97	63.8	25 - 150					
13C-PCB-101	63.1	25 - 150					
13C-PCB-104	67.2	25 - 150					
13C-PCB-105	57.2	25 - 150					
13C-PCB-114	56.3	25 - 150					
13C-PCB-118	62.8	25 - 150					
13C-PCB-123	64.3	25 - 150					
13C-PCB-126	55.3	25 - 150					
13C-PCB-127	56.9	25 - 150					
13C-PCB-138	62.8	25 - 150					
13C-PCB-141	63.0	25 - 150					
13C-PCB-153	62.5	25 - 150					
13C-PCB-155	74.1	25 - 150					
13C-PCB-156	62.8	25 - 150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

See

**Sample ID: OPR**

**EPA Method 1668A**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0L0053  
Date Extracted: 08-Dec-2020 6:16

Lab Sample: B0L0053-BS1  
Date Analyzed: 14-Dec-20 15:19 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
PCB-1	965	1000	96.5	50 - 150	IS 13C-PCB-1	73.7	15 - 140
PCB-3	976	1000	97.6	50 - 150	IS 13C-PCB-3	69.4	15 - 140
PCB-4/10	1990	2000	99.3	50 - 150	IS 13C-PCB-4	66.0	30 - 140
PCB-15	1010	1000	101	50 - 150	IS 13C-PCB-11	64.0	30 - 140
PCB-19	955	1000	95.5	50 - 150	IS 13C-PCB-9	67.6	30 - 140
PCB-37	1020	1000	102	50 - 150	IS 13C-PCB-19	71.9	30 - 140
PCB-54	1000	1000	100	50 - 150	IS 13C-PCB-28	68.0	30 - 140
PCB-77	976	1000	97.6	50 - 150	IS 13C-PCB-32	74.5	30 - 140
PCB-81	985	1000	98.5	50 - 150	IS 13C-PCB-37	66.9	30 - 140
PCB-104	934	1000	93.4	50 - 150	IS 13C-PCB-47	68.2	30 - 140
PCB-105	1010	1000	101	50 - 150	IS 13C-PCB-52	68.9	30 - 140
PCB-106/118	1900	2000	95.2	50 - 150	IS 13C-PCB-54	66.7	30 - 140
PCB-114	998	1000	99.8	50 - 150	IS 13C-PCB-70	67.2	30 - 140
PCB-123	918	1000	91.8	50 - 150	IS 13C-PCB-77	64.8	30 - 140
PCB-126	992	1000	99.2	50 - 150	IS 13C-PCB-80	66.5	30 - 140
PCB-155	977	1000	97.7	50 - 150	IS 13C-PCB-81	65.2	30 - 140
PCB-156	959	1000	95.9	50 - 150	IS 13C-PCB-95	64.7	30 - 140
PCB-157	959	1000	95.9	50 - 150	IS 13C-PCB-97	66.9	30 - 140
PCB-167	988	1000	98.8	50 - 150	IS 13C-PCB-101	65.5	30 - 140
PCB-169	962	1000	96.2	50 - 150	IS 13C-PCB-104	70.4	30 - 140
PCB-188	960	1000	96.0	50 - 150	IS 13C-PCB-105	60.7	30 - 140
PCB-189	959	1000	95.9	50 - 150	IS 13C-PCB-114	59.2	30 - 140
PCB-202	929	1000	92.9	50 - 150	IS 13C-PCB-118	66.9	30 - 140
PCB-205	1050	1000	105	50 - 150	IS 13C-PCB-123	69.0	30 - 140
PCB-206	962	1000	96.2	50 - 150	IS 13C-PCB-126	60.6	30 - 140
PCB-208	980	1000	98.0	50 - 150	IS 13C-PCB-127	60.0	30 - 140
PCB-209	925	1000	92.5	50 - 150	IS 13C-PCB-138	65.2	30 - 140
					IS 13C-PCB-141	66.1	30 - 140
					IS 13C-PCB-153	66.3	30 - 140
					IS 13C-PCB-155	76.0	30 - 140
					IS 13C-PCB-156	66.4	30 - 140
					IS 13C-PCB-157	66.1	30 - 140
					IS 13C-PCB-159	68.0	30 - 140
					IS 13C-PCB-167	67.5	30 - 140
					IS 13C-PCB-169	66.3	30 - 140
					IS 13C-PCB-170	66.7	30 - 140
					IS 13C-PCB-180	65.7	30 - 140
					IS 13C-PCB-188	66.7	30 - 140
					IS 13C-PCB-189	65.3	30 - 140
					IS 13C-PCB-194	65.7	30 - 140

**Sample ID: OPR**

**EPA Method 1668A**

Matrix: Solid  
Sample Size: 5.00 g

QC Batch: B0L0053  
Date Extracted: 08-Dec-2020 6:16

Lab Sample: B0L0053-BS1  
Date Analyzed: 14-Dec-20 15:19 Column: ZB-1

Analyte	Amt Found (pg/g)	Spike Amt	%R	Limits	Labeled Standard	%R	LCL-UCL
					IS 13C-PCB-202	78.6	30 - 140
					IS 13C-PCB-206	71.5	30 - 140
					IS 13C-PCB-208	72.7	30 - 140
					IS 13C-PCB-209	81.7	30 - 140
					CRS 13C-PCB-79	64.3	25 - 125
					CRS 13C-PCB-178	72.1	25 - 125

LCL-UCL - Lower control limit - upper control limit

**Sample ID: USMPDI-013SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-01	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	13.9 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 12:15	% Solids:	36.8	Date Analyzed :	15-Dec-20 12:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	7.21				PCB-44	175			
PCB-2	10.4				PCB-45	20.3			
PCB-3	6.56				PCB-46	10.6			
PCB-4/10	27.0				PCB-47	122			
PCB-5/8	50.8				PCB-48/75	28.8			
PCB-6	11.8				PCB-50	1.52			J
PCB-7/9	ND		5.44		PCB-51	23.2			
PCB-11	67.4				PCB-52/69	244			
PCB-12/13	8.05			J	PCB-53	35.6			
PCB-14	ND	1.09			PCB-54	6.06			
PCB-15	42.2				PCB-55	3.50			J
PCB-16/32	50.5				PCB-56/60	124			
PCB-17	41.3				PCB-57	ND		1.09	
PCB-18	77.2				PCB-58	1.55			J
PCB-19	26.2				PCB-61/70	280			
PCB-20/21/33	69.7				PCB-62	ND	0.246		
PCB-22	42.2				PCB-63	9.53			
PCB-23	ND	0.413			PCB-65	ND	0.220		
PCB-24/27	8.49			J	PCB-66/76	219			
PCB-25	17.0				PCB-67	5.51			
PCB-26	28.1				PCB-68	4.63			J
PCB-28	142				PCB-73	0.997			J
PCB-29	ND		0.809		PCB-74	99.8			
PCB-30	ND	0.247			PCB-77	26.8			
PCB-31	123				PCB-78	ND		1.34	
PCB-34	ND		1.32		PCB-79	6.37			
PCB-35	ND		3.04		PCB-80	ND	0.177		
PCB-36	ND	0.352			PCB-81	1.94			J
PCB-37	50.5				PCB-82	42.6			
PCB-38	3.63			J	PCB-83	ND	0.201		
PCB-39	ND	0.374			PCB-84/92	189			
PCB-40	32.3				PCB-85/116	64.4			
PCB-41/64/71/72	164				PCB-86	ND	0.295		
PCB-42/59	55.9				PCB-87/117/125	135			
PCB-43/49	193				PCB-88/91	74.7			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-013SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-01	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	13.9 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 12:15	% Solids:	36.8	Date Analyzed :	15-Dec-20 12:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	3.37			J	PCB-137	24.1			
PCB-90/101	499				PCB-138/163/164	658			
PCB-93	ND	0.374			PCB-139/149	511			B
PCB-94	4.83			J	PCB-140	6.06			
PCB-95/98/102	305				PCB-141	120			
PCB-96	4.85			J	PCB-142	ND	0.483		
PCB-97	112				PCB-144	23.5			
PCB-99	216				PCB-145	ND	0.108		
PCB-100	12.1				PCB-146/165	122			
PCB-103	11.9				PCB-147	17.2			
PCB-104	ND		1.05		PCB-148	ND		2.45	
PCB-105	160				PCB-150	3.12			J
PCB-106/118	418				PCB-151	159			
PCB-107/109	33.0				PCB-152	ND		0.758	
PCB-108/112	17.8				PCB-153	664			
PCB-110	480				PCB-154	18.7			
PCB-111/115	6.65			J	PCB-155	ND		0.591	
PCB-113	ND		0.984		PCB-156	57.0			
PCB-114	8.85				PCB-157	12.1			
PCB-119	18.1				PCB-158/160	62.4			
PCB-120	ND		2.50		PCB-159	ND	0.291		
PCB-121	ND	0.195			PCB-166	1.94			J
PCB-122	ND		4.12		PCB-167	23.6			
PCB-123	7.64				PCB-168	1.24			J
PCB-124	16.1				PCB-169	ND	0.323		
PCB-126	ND		2.91		PCB-170	193			
PCB-127	ND	0.482			PCB-171	51.8			
PCB-128/162	88.0				PCB-172	31.6			
PCB-129	21.1				PCB-173	5.36			
PCB-130	47.0				PCB-174	205			
PCB-131/133	20.4				PCB-175	7.62			
PCB-132/161	154				PCB-176	25.9			
PCB-134/143	31.9				PCB-177	125			
PCB-135	86.0				PCB-178	48.8			
PCB-136	88.7				PCB-179	99.5			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-013SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-01	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	13.9 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 12:15	% Solids:	36.8	Date Analyzed :	15-Dec-20 12:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	455				Total octaCB	466			
PCB-181	2.81			J	Total nonaCB	106			
PCB-182/187	268				DecaCB	95.5			
PCB-183	113				Total PCB	11100			
PCB-184	ND		0.977						
PCB-185	21.7								
PCB-186	ND	0.405							
PCB-188	ND		0.372						
PCB-189	7.10								
PCB-190	38.1								
PCB-191	7.51								
PCB-192	ND	0.460							
PCB-193	26.3								
PCB-194	102			B					
PCB-195	43.3								
PCB-196/203	128								
PCB-197	4.77			J					
PCB-198	6.12								
PCB-199	118								
PCB-200	15.4								
PCB-201	17.9								
PCB-202	24.7								
PCB-204	ND	0.266							
PCB-205	5.10								
PCB-206	72.9								
PCB-207	9.99								
PCB-208	23.0								
PCB-209	95.5								
Total monoCB	24.2								
Total diCB	207		213						
Total triCB	680		685						
Total tetraCB	1900								
Total pentaCB	2840		2850						
Total hexaCB	3020		3030						
Total heptaCB	1730		1740						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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



**Sample ID: USMPDI-013SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-01
Project:	GascoSiltronic: US Moorings	Sample Size:	13.9 g	Date Received:	19-Nov-2020 9:33
Date Collected:	16-Nov-2020 12:15	% Solids:	36.8	QC Batch:	B0L0053
				Date Analyzed :	15-Dec-20 12:32 Column: ZB-1
				Date Extracted:	08-Dec-2020 6:16

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	90.5	15 -150		13C-PCB-170	98.8	25 -150	
13C-PCB-3	104	15 -150		13C-PCB-180	100	25 -150	
13C-PCB-4	86.7	25 -150		13C-PCB-188	93.4	25 -150	
13C-PCB-11	96.2	25 -150		13C-PCB-189	99.4	25 -150	
13C-PCB-9	90.8	25 -150		13C-PCB-194	103	25 -150	
13C-PCB-19	95.0	25 -150		13C-PCB-202	113	25 -150	
13C-PCB-28	85.8	25 -150		13C-PCB-206	101	25 -150	
13C-PCB-32	97.5	25 -150		13C-PCB-208	112	25 -150	
13C-PCB-37	93.9	25 -150		13C-PCB-209	107	25 -150	
13C-PCB-47	88.6	25 -150		CRS 13C-PCB-79	91.2	30 -135	
13C-PCB-52	88.3	25 -150		13C-PCB-178	98.0	30 -135	
13C-PCB-54	85.1	25 -150					
13C-PCB-70	93.1	25 -150					
13C-PCB-77	93.3	25 -150					
13C-PCB-80	94.2	25 -150					
13C-PCB-81	93.3	25 -150					
13C-PCB-95	89.2	25 -150					
13C-PCB-97	93.6	25 -150					
13C-PCB-101	93.9	25 -150					
13C-PCB-104	90.8	25 -150					
13C-PCB-105	86.0	25 -150					
13C-PCB-114	86.5	25 -150					
13C-PCB-118	95.3	25 -150					
13C-PCB-123	99.6	25 -150					
13C-PCB-126	79.7	25 -150					
13C-PCB-127	87.5	25 -150					
13C-PCB-138	95.5	25 -150					
13C-PCB-141	94.6	25 -150					
13C-PCB-153	94.0	25 -150					
13C-PCB-155	105	25 -150					
13C-PCB-156	96.9	25 -150					
13C-PCB-157	97.0	25 -150					
13C-PCB-159	95.5	25 -150					
13C-PCB-167	95.4	25 -150					
13C-PCB-169	97.8	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-014SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-02
Project:	GascoSiltronic: US Moorings	Sample Size:	13.4 g	Date Received:	19-Nov-2020 9:33
Date Collected:	16-Nov-2020 11:10	% Solids:	40.5	QC Batch:	B0L0053
				Date Analyzed :	15-Dec-20 13:32 Column: ZB-1
				Date Extracted:	08-Dec-2020 6:16

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	7.77				PCB-44	157			
PCB-2	14.5				PCB-45	18.1			
PCB-3	7.15				PCB-46	9.64			
PCB-4/10	21.6				PCB-47	111			
PCB-5/8	40.6				PCB-48/75	25.4			
PCB-6	8.69				PCB-50	1.19			J
PCB-7/9	ND	0.989			PCB-51	24.9			
PCB-11	73.6				PCB-52/69	231			
PCB-12/13	5.22			J	PCB-53	31.9			
PCB-14	ND	0.946			PCB-54	5.23			
PCB-15	35.7				PCB-55	3.37			J
PCB-16/32	45.0				PCB-56/60	104			
PCB-17	32.9				PCB-57	1.39			J
PCB-18	61.4				PCB-58	ND		0.948	
PCB-19	22.6				PCB-61/70	240			
PCB-20/21/33	62.0				PCB-62	ND	0.274		
PCB-22	36.7				PCB-63	7.79			
PCB-23	ND	0.381			PCB-65	ND	0.245		
PCB-24/27	7.32			J	PCB-66/76	184			
PCB-25	14.1				PCB-67	5.00			
PCB-26	22.4				PCB-68	3.67			J
PCB-28	123				PCB-73	ND	0.206		
PCB-29	ND	0.395			PCB-74	84.9			
PCB-30	ND	0.212			PCB-77	23.1			
PCB-31	94.8				PCB-78	ND		1.10	
PCB-34	ND		1.55		PCB-79	5.82			
PCB-35	2.80			J	PCB-80	ND	0.192		
PCB-36	ND	0.338			PCB-81	ND	0.234		
PCB-37	45.1				PCB-82	36.3			
PCB-38	3.17			J	PCB-83	ND	0.223		
PCB-39	ND		0.881		PCB-84/92	171			
PCB-40	27.9				PCB-85/116	57.6			
PCB-41/64/71/72	144				PCB-86	ND		1.21	
PCB-42/59	49.3				PCB-87/117/125	122			
PCB-43/49	172				PCB-88/91	69.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-014SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-02	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	13.4 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 11:10	% Solids:	40.5	Date Analyzed :	15-Dec-20 13:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	2.57			J	PCB-137	23.2			
PCB-90/101	462				PCB-138/163/164	584			
PCB-93	ND	0.411			PCB-139/149	461			B
PCB-94	4.92				PCB-140	4.37			J
PCB-95/98/102	285				PCB-141	107			
PCB-96	4.41			J	PCB-142	ND	0.446		
PCB-97	98.3				PCB-144	23.7			
PCB-99	194				PCB-145	ND		0.212	
PCB-100	10.9				PCB-146/165	103			
PCB-103	11.1				PCB-147	15.3			
PCB-104	1.12			J	PCB-148	ND		2.29	
PCB-105	140				PCB-150	2.59			J
PCB-106/118	369				PCB-151	144			
PCB-107/109	29.4				PCB-152	0.861			J
PCB-108/112	15.7				PCB-153	579			
PCB-110	409				PCB-154	15.1			
PCB-111/115	6.05			J	PCB-155	ND		0.525	
PCB-113	ND	0.226			PCB-156	52.7			
PCB-114	8.97				PCB-157	12.3			
PCB-119	14.7				PCB-158/160	57.5			
PCB-120	ND		2.02		PCB-159	8.53			
PCB-121	ND	0.214			PCB-166	ND		1.36	
PCB-122	ND		4.40		PCB-167	22.1			
PCB-123	6.12				PCB-168	ND		0.644	
PCB-124	14.6				PCB-169	1.06			J
PCB-126	4.02			J	PCB-170	159			
PCB-127	ND	0.399			PCB-171	43.3			
PCB-128/162	78.7				PCB-172	25.9			
PCB-129	18.4				PCB-173	ND		2.99	
PCB-130	38.9				PCB-174	180			
PCB-131/133	17.9				PCB-175	6.11			
PCB-132/161	144				PCB-176	22.6			
PCB-134/143	28.0				PCB-177	108			
PCB-135	72.9				PCB-178	41.3			
PCB-136	83.0				PCB-179	87.4			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-014SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-02	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	13.4 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 11:10	% Solids:	40.5	Date Analyzed :	15-Dec-20 13:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	380				Total octaCB	371			
PCB-181	ND	0.320			Total nonaCB	78.5		85.3	
PCB-182/187	235				DecaCB	72.3			
PCB-183	94.6				Total PCB	9700			
PCB-184	0.717			J					
PCB-185	21.3								
PCB-186	ND	0.233							
PCB-188	ND		0.551						
PCB-189	ND		6.69						
PCB-190	34.2								
PCB-191	6.82								
PCB-192	ND	0.264							
PCB-193	22.0								
PCB-194	80.9			B					
PCB-195	34.3								
PCB-196/203	100								
PCB-197	4.02			J					
PCB-198	5.42								
PCB-199	97.5								
PCB-200	11.2								
PCB-201	12.4								
PCB-202	20.4								
PCB-204	ND	0.327							
PCB-205	4.51			J					
PCB-206	59.6								
PCB-207	ND		6.80						
PCB-208	18.9								
PCB-209	72.3								
Total monoCB	29.4								
Total diCB	185								
Total triCB	573		576						
Total tetraCB	1670								
Total pentaCB	2550		2560						
Total hexaCB	2700								
Total heptaCB	1470		1480						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-014SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-02
Project:	GascoSiltronic: US Moorings	Sample Size:	13.4 g	Date Received:	19-Nov-2020 9:33
Date Collected:	16-Nov-2020 11:10	% Solids:	40.5	QC Batch:	B0L0053
				Date Analyzed :	15-Dec-20 13:32 Column: ZB-1
				Date Extracted:	08-Dec-2020 6:16

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	97.0	15 -150		13C-PCB-170	100	25 -150	
13C-PCB-3	100	15 -150		13C-PCB-180	97.7	25 -150	
13C-PCB-4	87.4	25 -150		13C-PCB-188	92.1	25 -150	
13C-PCB-11	95.7	25 -150		13C-PCB-189	97.3	25 -150	
13C-PCB-9	91.3	25 -150		13C-PCB-194	109	25 -150	
13C-PCB-19	94.4	25 -150		13C-PCB-202	112	25 -150	
13C-PCB-28	94.0	25 -150		13C-PCB-206	109	25 -150	
13C-PCB-32	99.3	25 -150		13C-PCB-208	119	25 -150	
13C-PCB-37	96.1	25 -150		13C-PCB-209	118	25 -150	
13C-PCB-47	88.2	25 -150		CRS 13C-PCB-79	91.9	30 -135	
13C-PCB-52	90.2	25 -150		13C-PCB-178	98.6	30 -135	
13C-PCB-54	84.7	25 -150					
13C-PCB-70	91.4	25 -150					
13C-PCB-77	90.8	25 -150					
13C-PCB-80	93.2	25 -150					
13C-PCB-81	94.0	25 -150					
13C-PCB-95	88.8	25 -150					
13C-PCB-97	94.0	25 -150					
13C-PCB-101	92.1	25 -150					
13C-PCB-104	90.7	25 -150					
13C-PCB-105	83.7	25 -150					
13C-PCB-114	83.9	25 -150					
13C-PCB-118	93.7	25 -150					
13C-PCB-123	95.6	25 -150					
13C-PCB-126	78.3	25 -150					
13C-PCB-127	84.9	25 -150					
13C-PCB-138	92.2	25 -150					
13C-PCB-141	92.4	25 -150					
13C-PCB-153	91.0	25 -150					
13C-PCB-155	105	25 -150					
13C-PCB-156	94.4	25 -150					
13C-PCB-157	95.0	25 -150					
13C-PCB-159	94.3	25 -150					
13C-PCB-167	94.7	25 -150					
13C-PCB-169	94.6	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-018SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-03	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	11.6 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 14:20	% Solids:	43.9	Date Analyzed :	15-Dec-20 14:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	ND		6.58		PCB-44	234			
PCB-2	13.7				PCB-45	29.6			
PCB-3	10.8				PCB-46	12.7			
PCB-4/10	22.8				PCB-47	136			
PCB-5/8	43.4				PCB-48/75	43.0			
PCB-6	ND		9.81		PCB-50	1.80			J
PCB-7/9	ND	1.20			PCB-51	23.8			
PCB-11	66.0				PCB-52/69	312			
PCB-12/13	ND		9.30		PCB-53	43.0			
PCB-14	ND	1.16			PCB-54	5.66			
PCB-15	57.6				PCB-55	4.54			J
PCB-16/32	58.4				PCB-56/60	175			
PCB-17	51.8				PCB-57	2.53			J
PCB-18	89.4				PCB-58	ND		1.85	
PCB-19	27.7				PCB-61/70	397			
PCB-20/21/33	97.9				PCB-62	ND	0.383		
PCB-22	56.7				PCB-63	13.4			
PCB-23	ND	0.455			PCB-65	ND	0.342		
PCB-24/27	9.02			J	PCB-66/76	324			
PCB-25	22.0				PCB-67	8.75			
PCB-26	35.8				PCB-68	6.26			
PCB-28	219				PCB-73	1.43			J
PCB-29	ND	0.471			PCB-74	142			
PCB-30	ND	0.271			PCB-77	36.1			
PCB-31	162				PCB-78	1.65			J
PCB-34	ND		2.60		PCB-79	8.05			
PCB-35	4.01			J	PCB-80	ND	0.280		
PCB-36	ND	0.391			PCB-81	2.95			J
PCB-37	77.0				PCB-82	49.6			
PCB-38	3.77			J	PCB-83	ND	0.237		
PCB-39	ND		1.57		PCB-84/92	226			
PCB-40	42.2				PCB-85/116	74.3			
PCB-41/64/71/72	222				PCB-86	ND	0.349		
PCB-42/59	78.5				PCB-87/117/125	155			
PCB-43/49	256				PCB-88/91	86.7			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-018SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-03	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	11.6 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 14:20	% Solids:	43.9	Date Analyzed :	15-Dec-20 14:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	4.11			J	PCB-137	24.0			
PCB-90/101	624				PCB-138/163/164	704			
PCB-93	ND	0.439			PCB-139/149	579			B
PCB-94	5.02				PCB-140	ND		5.94	
PCB-95/98/102	363				PCB-141	133			
PCB-96	4.37			J	PCB-142	ND	0.647		
PCB-97	131				PCB-144	29.1			
PCB-99	272				PCB-145	ND	0.129		
PCB-100	10.8				PCB-146/165	141			
PCB-103	14.3				PCB-147	17.8			
PCB-104	ND		1.11		PCB-148	ND		2.97	
PCB-105	169				PCB-150	3.25			J
PCB-106/118	488				PCB-151	183			
PCB-107/109	43.0				PCB-152	ND		0.614	
PCB-108/112	21.6				PCB-153	734			
PCB-110	556				PCB-154	21.0			
PCB-111/115	7.41			J	PCB-155	0.608			J
PCB-113	2.33			J	PCB-156	57.3			
PCB-114	9.38				PCB-157	11.5			
PCB-119	22.2				PCB-158/160	64.4			
PCB-120	4.03			J	PCB-159	ND	0.360		
PCB-121	ND		0.756		PCB-166	2.06			J
PCB-122	5.38				PCB-167	24.8			
PCB-123	7.92				PCB-168	ND		1.26	
PCB-124	18.6				PCB-169	ND	0.379		
PCB-126	ND		2.94		PCB-170	194			
PCB-127	ND	0.497			PCB-171	53.9			
PCB-128/162	88.1				PCB-172	33.1			
PCB-129	21.3				PCB-173	ND		4.41	
PCB-130	46.5				PCB-174	220			
PCB-131/133	23.8				PCB-175	8.84			
PCB-132/161	176				PCB-176	29.0			
PCB-134/143	35.2				PCB-177	133			
PCB-135	97.0				PCB-178	53.0			
PCB-136	105				PCB-179	112			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-018SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-03	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	11.6 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 14:20	% Solids:	43.9	Date Analyzed :	15-Dec-20 14:32	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	481				Total octaCB	442		451	
PCB-181	2.90			J	Total nonaCB	102			
PCB-182/187	299				DecaCB	99.6			
PCB-183	120				Total PCB	12900			
PCB-184	ND		0.553						
PCB-185	25.0								
PCB-186	ND	0.246							
PCB-188	1.11			J					
PCB-189	7.63								
PCB-190	42.7								
PCB-191	8.31								
PCB-192	ND	0.267							
PCB-193	26.3								
PCB-194	99.7			B					
PCB-195	35.5								
PCB-196/203	123								
PCB-197	ND		4.25						
PCB-198	ND		5.01						
PCB-199	121								
PCB-200	15.6								
PCB-201	17.1								
PCB-202	24.5								
PCB-204	ND	0.321							
PCB-205	5.51								
PCB-206	69.5								
PCB-207	10.1								
PCB-208	22.3								
PCB-209	99.6								
Total monoCB	24.5		31.0						
Total diCB	190		209						
Total triCB	914		918						
Total tetraCB	2560		2570						
Total pentaCB	3370		3380						
Total hexaCB	3320		3330						
Total heptaCB	1850		1860						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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



**Sample ID: USMPDI-018SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-03
Project:	GascoSiltronic: US Moorings	Sample Size:	11.6 g	Date Received:	19-Nov-2020 9:33
Date Collected:	16-Nov-2020 14:20	% Solids:	43.9	QC Batch:	B0L0053
				Date Analyzed :	15-Dec-20 14:32 Column: ZB-1
				Date Extracted:	08-Dec-2020 6:16

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	87.9	15 -150		13C-PCB-170	102	25 -150	
13C-PCB-3	89.2	15 -150		13C-PCB-180	101	25 -150	
13C-PCB-4	78.9	25 -150		13C-PCB-188	89.6	25 -150	
13C-PCB-11	89.3	25 -150		13C-PCB-189	101	25 -150	
13C-PCB-9	83.8	25 -150		13C-PCB-194	97.5	25 -150	
13C-PCB-19	85.6	25 -150		13C-PCB-202	114	25 -150	
13C-PCB-28	91.4	25 -150		13C-PCB-206	96.1	25 -150	
13C-PCB-32	93.4	25 -150		13C-PCB-208	101	25 -150	
13C-PCB-37	93.9	25 -150		13C-PCB-209	100	25 -150	
13C-PCB-47	88.4	25 -150		CRS 13C-PCB-79	88.3	30 -135	
13C-PCB-52	88.5	25 -150		13C-PCB-178	95.5	30 -135	
13C-PCB-54	87.0	25 -150					
13C-PCB-70	90.9	25 -150					
13C-PCB-77	90.2	25 -150					
13C-PCB-80	91.6	25 -150					
13C-PCB-81	91.3	25 -150					
13C-PCB-95	86.1	25 -150					
13C-PCB-97	90.0	25 -150					
13C-PCB-101	88.2	25 -150					
13C-PCB-104	90.8	25 -150					
13C-PCB-105	77.2	25 -150					
13C-PCB-114	78.3	25 -150					
13C-PCB-118	89.9	25 -150					
13C-PCB-123	91.4	25 -150					
13C-PCB-126	77.2	25 -150					
13C-PCB-127	81.2	25 -150					
13C-PCB-138	89.9	25 -150					
13C-PCB-141	92.6	25 -150					
13C-PCB-153	84.1	25 -150					
13C-PCB-155	101	25 -150					
13C-PCB-156	94.6	25 -150					
13C-PCB-157	95.5	25 -150					
13C-PCB-159	91.2	25 -150					
13C-PCB-167	94.7	25 -150					
13C-PCB-169	95.1	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116	QC Batch: B0L0053	Lab Sample: B0L0053-DUP1
Source LabNumber: 2002549-03	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 15-Dec-20 11:31 Column: ZB-1
Matrix: Solid		
Sample Size: 11.8 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	9.55				PCB-42/59	83.6			
PCB-2	12.1				PCB-43/49	269			
PCB-3	13.0				PCB-44	255			
PCB-4/10	ND		21.7		PCB-45	30.0			
PCB-5/8	49.3				PCB-46	13.2			
PCB-6	11.5				PCB-47	141			
PCB-7/9	ND	1.23			PCB-48/75	45.0			
PCB-11	75.3				PCB-50	ND		1.57	
PCB-12/13	13.3				PCB-51	24.2			
PCB-14	ND	1.21			PCB-52/69	342			
PCB-15	59.4				PCB-53	41.3			
PCB-16/32	59.3				PCB-54	ND		5.61	
PCB-17	52.9				PCB-55	4.19			J
PCB-18	87.1				PCB-56/60	184			
PCB-19	24.7				PCB-57	2.25			J
PCB-20/21/33	96.1				PCB-58	2.43			J
PCB-22	55.3				PCB-61/70	426			
PCB-23	ND	0.337			PCB-62	ND	0.289		
PCB-24/27	9.35			J	PCB-63	13.2			
PCB-25	20.8				PCB-65	ND	0.258		
PCB-26	34.9				PCB-66/76	330			
PCB-28	207				PCB-67	9.28			
PCB-29	1.13			J	PCB-68	6.74			
PCB-30	ND	0.223			PCB-73	1.21			J
PCB-31	177				PCB-74	155			
PCB-34	2.64			J	PCB-77	37.7			
PCB-35	4.88				PCB-78	ND		1.53	
PCB-36	1.27			J	PCB-79	8.65			
PCB-37	78.5				PCB-80	ND	0.220		
PCB-38	3.74			J	PCB-81	ND		2.20	
PCB-39	1.55			J	PCB-82	51.5			
PCB-40	48.4				PCB-83	ND	0.207		
PCB-41/64/71/72	238				PCB-84/92	244			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

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

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116	QC Batch: B0L0053	Lab Sample: B0L0053-DUP1
Source LabNumber: 2002549-03	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 15-Dec-20 11:31 Column: ZB-1
Matrix: Solid		
Sample Size: 11.8 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-85/116	73.7				PCB-130	52.7			
PCB-86	ND	0.305			PCB-131/133	24.3			
PCB-87/117/125	151				PCB-132/161	176			
PCB-88/91	85.9				PCB-134/143	35.1			
PCB-89	ND		3.82		PCB-135	106			
PCB-90/101	623				PCB-136	113			
PCB-93	ND	0.397			PCB-137	24.9			
PCB-94	4.89				PCB-138/163/164	708			
PCB-95/98/102	388				PCB-139/149	620			B
PCB-96	4.83				PCB-140	ND		6.38	
PCB-97	130				PCB-141	135			
PCB-99	261				PCB-142	ND		1.05	
PCB-100	11.4				PCB-144	26.0			
PCB-103	14.8				PCB-145	ND	0.0939		
PCB-104	ND		0.813		PCB-146/165	140			
PCB-105	167				PCB-147	19.7			
PCB-106/118	457				PCB-148	2.86			J
PCB-107/109	38.4				PCB-150	ND		3.58	
PCB-108/112	19.5				PCB-151	195			
PCB-110	552				PCB-152	ND		0.652	
PCB-111/115	6.50			J	PCB-153	739			
PCB-113	1.72			J	PCB-154	23.6			
PCB-114	10.7				PCB-155	ND		0.427	
PCB-119	22.5				PCB-156	56.6			
PCB-120	ND		3.34		PCB-157	11.6			
PCB-121	ND	0.206			PCB-158/160	67.2			
PCB-122	5.08				PCB-159	ND	0.263		
PCB-123	6.33				PCB-166	ND		1.76	
PCB-124	18.1				PCB-167	23.6			
PCB-126	2.95			J	PCB-168	1.62			J
PCB-127	ND	0.498			PCB-169	ND	0.295		
PCB-128/162	86.1				PCB-170	193			
PCB-129	22.5				PCB-171	53.8			

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

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

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116	QC Batch: B0L0053	Lab Sample: B0L0053-DUP1
Source LabNumber: 2002549-03	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 15-Dec-20 11:31 Column: ZB-1
Matrix: Solid		
Sample Size: 11.8 g		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-172	32.2				PCB-207	10.9			
PCB-173	4.71			J	PCB-208	23.3			
PCB-174	234				PCB-209	109			
PCB-175	ND		7.54						
PCB-176	29.8								
PCB-177	132								
PCB-178	49.0								
PCB-179	111								
PCB-180	469								
PCB-181	7.38								
PCB-182/187	287								
PCB-183	122								
PCB-184	ND		0.623						
PCB-185	25.0								
PCB-186	0.491			J					
PCB-188	ND		0.726						
PCB-189	ND		6.61						
PCB-190	40.3								
PCB-191	ND		6.72						
PCB-192	ND	0.301							
PCB-193	25.5								
PCB-194	97.9			B					
PCB-195	45.2								
PCB-196/203	126								
PCB-197	ND		4.18						
PCB-198	6.61								
PCB-199	121								
PCB-200	15.9								
PCB-201	ND		15.0						
PCB-202	23.8								
PCB-204	ND		0.372						
PCB-205	5.54								
PCB-206	72.9								

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

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

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116	QC Batch: B0L0053	Lab Sample: B0L0053-DUP1
Source LabNumber: 2002549-03	Date Extracted: 08-Dec-2020 6:16	Date Analyzed: 15-Dec-20 11:31 Column: ZB-1
Matrix: Solid		
Sample Size: 11.8 g		

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	97.8	15 - 150		13C-PCB-157	98.4	25 - 150	
13C-PCB-3	96.0	15 - 150		13C-PCB-159	97.8	25 - 150	
13C-PCB-4	87.1	25 - 150		13C-PCB-167	98.5	25 - 150	
13C-PCB-11	93.7	25 - 150		13C-PCB-169	99.1	25 - 150	
13C-PCB-9	91.8	25 - 150		13C-PCB-170	102	25 - 150	
13C-PCB-19	97.2	25 - 150		13C-PCB-180	99.3	25 - 150	
13C-PCB-28	106	25 - 150		13C-PCB-188	90.6	25 - 150	
13C-PCB-32	104	25 - 150		13C-PCB-189	98.1	25 - 150	
13C-PCB-37	103	25 - 150		13C-PCB-194	98.8	25 - 150	
13C-PCB-47	94.4	25 - 150		13C-PCB-202	115	25 - 150	
13C-PCB-52	95.1	25 - 150		13C-PCB-206	98.9	25 - 150	
13C-PCB-54	90.4	25 - 150		13C-PCB-208	109	25 - 150	
13C-PCB-70	94.8	25 - 150		13C-PCB-209	110	25 - 150	
13C-PCB-77	93.9	25 - 150		CRS 13C-PCB-79	93.7	30 - 135	
13C-PCB-80	96.4	25 - 150		13C-PCB-178	102	30 - 135	
13C-PCB-81	94.4	25 - 150					
13C-PCB-95	90.8	25 - 150					
13C-PCB-97	95.6	25 - 150					
13C-PCB-101	95.8	25 - 150					
13C-PCB-104	96.1	25 - 150					
13C-PCB-105	87.2	25 - 150					
13C-PCB-114	87.2	25 - 150					
13C-PCB-118	96.0	25 - 150					
13C-PCB-123	97.6	25 - 150					
13C-PCB-126	80.5	25 - 150					
13C-PCB-127	88.0	25 - 150					
13C-PCB-138	94.4	25 - 150					
13C-PCB-141	95.8	25 - 150					
13C-PCB-153	95.3	25 - 150					
13C-PCB-155	106	25 - 150					
13C-PCB-156	98.7	25 - 150					

DL - Sample specific estimated detection limit

EMPC - Estimated maximum possible concentration

LCL-UCL - Lower control limit - upper control limit

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

The sample size is reported in wet weight. See

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116  
 Source LabNumber: 2002549-03  
 Matrix: Solid

Duplicate Lab Sample: B0L0053-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-1	9.55	ND	#	35	PCB-43/49	269	256	5.10	35
PCB-2	12.1	13.7	12.4	35	PCB-44	255	234	8.88	35
PCB-3	13.0	10.8	18.1	35	PCB-45	30.0	29.6	1.35	35
PCB-4/10	ND	22.8	#	35	PCB-46	13.2	12.7	3.39	35
PCB-5/8	49.3	43.4	12.6	35	PCB-47	141	136	3.98	35
PCB-6	11.5	ND	#	35	PCB-48/75	45.0	43.0	4.38	35
PCB-7/9	ND	ND	NA	35	PCB-50	ND	1.80	#	35
PCB-11	75.3	66.0	13.2	35	PCB-51	24.2	23.8	1.54	35
PCB-12/13	13.3	ND	#	35	PCB-52/69	342	312	9.15	35
PCB-14	ND	ND	NA	35	PCB-53	41.3	43.0	4.00	35
PCB-15	59.4	57.6	3.02	35	PCB-54	ND	5.66	#	35
PCB-16/32	59.3	58.4	1.54	35	PCB-55	4.19	4.54	7.97	35
PCB-17	52.9	51.8	2.09	35	PCB-56/60	184	175	4.86	35
PCB-18	87.1	89.4	2.71	35	PCB-57	2.25	2.53	11.7	35
PCB-19	24.7	27.7	11.4	35	PCB-58	2.43	ND	#	35
PCB-20/21/33	96.1	97.9	1.86	35	PCB-61/70	426	397	6.93	35
PCB-22	55.3	56.7	2.35	35	PCB-62	ND	ND	NA	35
PCB-23	ND	ND	NA	35	PCB-63	13.2	13.4	1.76	35
PCB-24/27	9.35	9.02	3.55	35	PCB-65	ND	ND	NA	35
PCB-25	20.8	22.0	5.86	35	PCB-66/76	330	324	1.82	35
PCB-26	34.9	35.8	2.60	35	PCB-67	9.28	8.75	5.88	35
PCB-28	207	219	5.25	35	PCB-68	6.74	6.26	7.38	35
PCB-29	1.13	ND	#	35	PCB-73	1.21	1.43	16.2	35
PCB-30	ND	ND	NA	35	PCB-74	155	142	8.91	35
PCB-31	177	162	8.56	35	PCB-77	37.7	36.1	4.38	35
PCB-34	2.64	ND	#	35	PCB-78	ND	1.65	#	35
PCB-35	4.88	4.01	19.4	35	PCB-79	8.65	8.05	7.21	35
PCB-36	1.27	ND	#	35	PCB-80	ND	ND	NA	35
PCB-37	78.5	77.0	1.87	35	PCB-81	ND	2.95	#	35
PCB-38	3.74	3.77	0.821	35	PCB-82	51.5	49.6	3.72	35
PCB-39	1.55	ND	#	35	PCB-83	ND	ND	NA	35
PCB-40	48.4	42.2	13.8	35	PCB-84/92	244	226	7.58	35
PCB-41/64/71/72	238	222	7.21	35	PCB-85/116	73.7	74.3	0.902	35
PCB-42/59	83.6	78.5	6.24	35	PCB-86	ND	ND	NA	35

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

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

The results are reported in dry weight.

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

the MDT

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116  
 Source LabNumber: 2002549-03  
 Matrix: Solid

Duplicate Lab Sample: B0L0053-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-87/117/125	151	155	2.56	35	PCB-134/143	35.1	35.2	0.258	35
PCB-88/91	85.9	86.7	0.844	35	PCB-135	106	97.0	9.32	35
PCB-89	ND	4.11	#	35	PCB-136	113	105	7.35	35
PCB-90/101	623	624	0.248	35	PCB-137	24.9	24.0	3.74	35
PCB-93	ND	ND	NA	35	PCB-138/163/164	708	704	0.597	35
PCB-94	4.89	5.02	2.68	35	PCB-139/149	620	579	6.88	35
PCB-95/98/102	388	363	6.71	35	PCB-140	ND	ND	NA	35
PCB-96	4.83	4.37	10.0	35	PCB-141	135	133	1.76	35
PCB-97	130	131	0.699	35	PCB-142	ND	ND	NA	35
PCB-99	261	272	3.83	35	PCB-144	26.0	29.1	11.1	35
PCB-100	11.4	10.8	5.39	35	PCB-145	ND	ND	NA	35
PCB-103	14.8	14.3	3.55	35	PCB-146/165	140	141	0.708	35
PCB-104	ND	ND	NA	35	PCB-147	19.7	17.8	10.1	35
PCB-105	167	169	0.864	35	PCB-148	2.86	ND	#	35
PCB-106/118	457	488	6.45	35	PCB-150	ND	3.25	#	35
PCB-107/109	38.4	43.0	11.3	35	PCB-151	195	183	6.70	35
PCB-108/112	19.5	21.6	10.3	35	PCB-152	ND	ND	NA	35
PCB-110	552	556	0.668	35	PCB-153	739	734	0.773	35
PCB-111/115	6.50	7.41	13.1	35	PCB-154	23.6	21.0	11.5	35
PCB-113	1.72	2.33	29.9	35	PCB-155	ND	0.608	#	35
PCB-114	10.7	9.38	13.4	35	PCB-156	56.6	57.3	1.32	35
PCB-119	22.5	22.2	1.36	35	PCB-157	11.6	11.5	1.15	35
PCB-120	ND	4.03	#	35	PCB-158/160	67.2	64.4	4.26	35
PCB-121	ND	ND	NA	35	PCB-159	ND	ND	NA	35
PCB-122	5.08	5.38	5.77	35	PCB-166	ND	2.06	#	35
PCB-123	6.33	7.92	22.3	35	PCB-167	23.6	24.8	4.69	35
PCB-124	18.1	18.6	2.88	35	PCB-168	1.62	ND	#	35
PCB-126	2.95	ND	#	35	PCB-169	ND	ND	NA	35
PCB-127	ND	ND	NA	35	PCB-170	193	194	0.265	35
PCB-128/162	86.1	88.1	2.23	35	PCB-171	53.8	53.9	0.135	35
PCB-129	22.5	21.3	5.80	35	PCB-172	32.2	33.1	2.81	35
PCB-130	52.7	46.5	12.4	35	PCB-173	4.71	ND	#	35
PCB-131/133	24.3	23.8	2.08	35	PCB-174	234	220	6.33	35
PCB-132/161	176	176	0.0222	35	PCB-175	ND	8.84	#	35

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

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

The results are reported in dry weight.

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

the MDL

**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116  
 Source LabNumber: 2002549-03  
 Matrix: Solid

Duplicate Lab Sample: B0L0053-DUP1

Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit	Analyte	Dup Conc. (pg/g)	Source Conc.	RPD	RPD Limit
PCB-176	29.8	29.0	2.65	35					
PCB-177	132	133	0.983	35					
PCB-178	49.0	53.0	7.80	35					
PCB-179	111	112	1.33	35					
PCB-180	469	481	2.62	35					
PCB-181	7.38	2.90	<b>87.2</b>	35					
PCB-182/187	287	299	3.88	35					
PCB-183	122	120	2.16	35					
PCB-184	ND	ND	NA	35					
PCB-185	25.0	25.0	0.127	35					
PCB-186	0.491	ND	#	35					
PCB-188	ND	1.11	#	35					
PCB-189	ND	7.63	#	35					
PCB-190	40.3	42.7	5.94	35					
PCB-191	ND	8.31	#	35					
PCB-192	ND	ND	NA	35					
PCB-193	25.5	26.3	3.03	35					
PCB-194	97.9	99.7	1.86	35					
PCB-195	45.2	35.5	24.2	35					
PCB-196/203	126	123	2.27	35					
PCB-197	ND	ND	NA	35					
PCB-198	6.61	ND	#	35					
PCB-199	121	121	0.0141	35					
PCB-200	15.9	15.6	1.70	35					
PCB-201	ND	17.1	#	35					
PCB-202	23.8	24.5	3.12	35					
PCB-204	ND	ND	NA	35					
PCB-205	5.54	5.51	0.508	35					
PCB-206	72.9	69.5	4.76	35					
PCB-207	10.9	10.1	7.59	35					
PCB-208	23.3	22.3	4.59	35					
PCB-209	109	99.6	8.70	35					

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

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

The results are reported in dry weight.

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

the MSF



**Sample ID: Duplicate**

**EPA Method 1668A**

Source Client ID: USMPDI-018SG-201116  
 Source LabNumber: 2002549-03  
 Matrix: Solid

Duplicate Lab Sample: B0L0053-DUP1

	Labeled Standard	Dup %R	Source %R	LCL-UCL		Labeled Standard	Dup %R	Source %R	LCL-UCL
IS	13C-PCB-1	97.8	87.9	15-150		13C-PCB-159	97.8	91.2	25-150
	13C-PCB-3	96.0	89.2	15-150		13C-PCB-167	98.5	94.7	25-150
	13C-PCB-4	87.1	78.9	25-150		13C-PCB-169	99.1	95.1	25-150
	13C-PCB-11	93.7	89.3	25-150		13C-PCB-170	102	102	25-150
	13C-PCB-9	91.8	83.8	25-150		13C-PCB-180	99.3	101	25-150
	13C-PCB-19	97.2	85.6	25-150		13C-PCB-188	90.6	89.6	25-150
	13C-PCB-28	106	91.4	25-150		13C-PCB-189	98.1	101	25-150
	13C-PCB-32	104	93.4	25-150		13C-PCB-194	98.8	97.5	25-150
	13C-PCB-37	103	93.9	25-150		13C-PCB-202	115	114	25-150
	13C-PCB-47	94.4	88.4	25-150		13C-PCB-206	98.9	96.1	25-150
	13C-PCB-52	95.1	88.5	25-150		13C-PCB-208	109	101	25-150
	13C-PCB-54	90.4	87.0	25-150		13C-PCB-209	110	100	25-150
	13C-PCB-70	94.8	90.9	25-150	CRS	13C-PCB-79	93.7	88.3	30-135
	13C-PCB-77	93.9	90.2	25-150		13C-PCB-178	102	95.5	30-135
	13C-PCB-80	96.4	91.6	25-150					
	13C-PCB-81	94.4	91.3	25-150					
	13C-PCB-95	90.8	86.1	25-150					
	13C-PCB-97	95.6	90.0	25-150					
	13C-PCB-101	95.8	88.2	25-150					
	13C-PCB-104	96.1	90.8	25-150					
	13C-PCB-105	87.2	77.2	25-150					
	13C-PCB-114	87.2	78.3	25-150					
	13C-PCB-118	96.0	89.9	25-150					
	13C-PCB-123	97.6	91.4	25-150					
	13C-PCB-126	80.5	77.2	25-150					
	13C-PCB-127	88.0	81.2	25-150					
	13C-PCB-138	94.4	89.9	25-150					
	13C-PCB-141	95.8	92.6	25-150					
	13C-PCB-153	95.3	84.1	25-150					
	13C-PCB-155	106	101	25-150					
	13C-PCB-156	98.7	94.6	25-150					
	13C-PCB-157	98.4	95.5	25-150					

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

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

The results are reported in dry weight.

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

the MDL

**Sample ID: USMPDI-022SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-04	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	12.8 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 15:25	% Solids:	39.7	Date Analyzed :	15-Dec-20 18:19 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	13.4				PCB-44	233			
PCB-2	13.3				PCB-45	26.4			
PCB-3	8.55				PCB-46	12.1			
PCB-4/10	24.3				PCB-47	140			
PCB-5/8	46.6				PCB-48/75	35.9			
PCB-6	11.2				PCB-50	ND		1.66	
PCB-7/9	7.36			J	PCB-51	34.0			
PCB-11	60.0				PCB-52/69	313			
PCB-12/13	7.67			J	PCB-53	46.6			
PCB-14	ND	0.502			PCB-54	6.84			
PCB-15	46.6				PCB-55	3.82			J
PCB-16/32	52.0				PCB-56/60	153			
PCB-17	41.3				PCB-57	1.45			J
PCB-18	73.5				PCB-58	1.44			J
PCB-19	22.6				PCB-61/70	348			
PCB-20/21/33	71.7				PCB-62	ND	0.308		
PCB-22	45.4				PCB-63	11.4			
PCB-23	ND	0.335			PCB-65	ND	0.276		
PCB-24/27	8.24			J	PCB-66/76	271			
PCB-25	17.9				PCB-67	7.24			
PCB-26	28.0				PCB-68	5.10			
PCB-28	168				PCB-73	1.36			J
PCB-29	ND		0.979		PCB-74	114			
PCB-30	ND	0.193			PCB-77	31.6			
PCB-31	121				PCB-78	1.22			J
PCB-34	1.54			J	PCB-79	ND		5.73	
PCB-35	3.78			J	PCB-80	ND	0.226		
PCB-36	0.873			J	PCB-81	1.81			J
PCB-37	56.7				PCB-82	56.9			
PCB-38	3.30			J	PCB-83	ND	0.184		
PCB-39	0.952			J	PCB-84/92	235			
PCB-40	40.5				PCB-85/116	79.6			
PCB-41/64/71/72	195				PCB-86	1.68			J
PCB-42/59	70.3				PCB-87/117/125	175			
PCB-43/49	246				PCB-88/91	90.5			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-022SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-04	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	12.8 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 15:25	% Solids:	39.7	Date Analyzed :	15-Dec-20 18:19	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	ND		4.38		PCB-137	26.6			
PCB-90/101	636				PCB-138/163/164	765			
PCB-93	10.5				PCB-139/149	604			B
PCB-94	6.18				PCB-140	ND		4.94	
PCB-95/98/102	385				PCB-141	139			
PCB-96	4.97				PCB-142	ND		0.419	
PCB-97	140				PCB-144	33.0			
PCB-99	252				PCB-145	0.187			J
PCB-100	11.3				PCB-146/165	136			
PCB-103	12.1				PCB-147	18.4			
PCB-104	1.40			J	PCB-148	3.66			J
PCB-105	184				PCB-150	3.21			J
PCB-106/118	482				PCB-151	187			
PCB-107/109	39.3				PCB-152	1.15			J
PCB-108/112	22.0				PCB-153	747			
PCB-110	581				PCB-154	19.7			
PCB-111/115	5.94			J	PCB-155	0.936			J
PCB-113	9.02				PCB-156	66.0			
PCB-114	10.0				PCB-157	14.6			
PCB-119	19.0				PCB-158/160	74.5			
PCB-120	3.33			J	PCB-159	ND	0.388		
PCB-121	1.56			J	PCB-166	2.13			J
PCB-122	6.22				PCB-167	27.1			
PCB-123	7.65				PCB-168	ND		0.961	
PCB-124	19.8				PCB-169	ND	0.456		
PCB-126	3.34			J	PCB-170	202			
PCB-127	ND	0.509			PCB-171	60.4			
PCB-128/162	102				PCB-172	34.4			
PCB-129	23.7				PCB-173	4.51			J
PCB-130	47.8				PCB-174	236			
PCB-131/133	23.3				PCB-175	9.27			
PCB-132/161	192				PCB-176	29.3			
PCB-134/143	36.1				PCB-177	142			
PCB-135	94.8				PCB-178	49.1			
PCB-136	111				PCB-179	110			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-022SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-04	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	12.8 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 15:25	% Solids:	39.7	Date Analyzed :	15-Dec-20 18:19	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	493				Total octaCB	457		462	
PCB-181	ND	0.441			Total nonaCB	311			
PCB-182/187	284				DecaCB	3350			
PCB-183	124				Total PCB	16300			
PCB-184	0.779			J					
PCB-185	26.8								
PCB-186	ND	0.293							
PCB-188	0.659			J					
PCB-189	7.68								
PCB-190	43.7								
PCB-191	8.13								
PCB-192	ND	0.363							
PCB-193	27.8								
PCB-194	101			B					
PCB-195	43.0								
PCB-196/203	127								
PCB-197	4.44			J					
PCB-198	4.96								
PCB-199	120								
PCB-200	14.8								
PCB-201	16.4								
PCB-202	25.2								
PCB-204	ND		0.488						
PCB-205	ND		4.40						
PCB-206	151								
PCB-207	63.5								
PCB-208	96.5								
PCB-209	3350								
Total monoCB	35.2								
Total diCB	204								
Total triCB	717		718						
Total tetraCB	2350		2360						
Total pentaCB	3490		3500						
Total hexaCB	3500		3510						
Total heptaCB	1900								

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-022SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-04
Project:	GascoSiltronic: US Moorings	Sample Size:	12.8 g	Date Received:	19-Nov-2020 9:33
Date Collected:	16-Nov-2020 15:25	% Solids:	39.7	QC Batch:	B0L0053
				Date Analyzed :	15-Dec-20 18:19 Column: ZB-1
				Date Extracted:	08-Dec-2020 6:16

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	78.3	15 -150		13C-PCB-170	98.3	25 -150	
13C-PCB-3	98.4	15 -150		13C-PCB-180	97.8	25 -150	
13C-PCB-4	86.1	25 -150		13C-PCB-188	96.5	25 -150	
13C-PCB-11	89.7	25 -150		13C-PCB-189	98.3	25 -150	
13C-PCB-9	89.6	25 -150		13C-PCB-194	110	25 -150	
13C-PCB-19	102	25 -150		13C-PCB-202	114	25 -150	
13C-PCB-28	100	25 -150		13C-PCB-206	109	25 -150	
13C-PCB-32	103	25 -150		13C-PCB-208	120	25 -150	
13C-PCB-37	97.7	25 -150		13C-PCB-209	117	25 -150	
13C-PCB-47	87.9	25 -150		CRS 13C-PCB-79	103	30 -135	
13C-PCB-52	86.1	25 -150		13C-PCB-178	105	30 -135	
13C-PCB-54	89.3	25 -150					
13C-PCB-70	91.7	25 -150					
13C-PCB-77	97.1	25 -150					
13C-PCB-80	94.3	25 -150					
13C-PCB-81	96.6	25 -150					
13C-PCB-95	84.9	25 -150					
13C-PCB-97	95.3	25 -150					
13C-PCB-101	91.7	25 -150					
13C-PCB-104	89.3	25 -150					
13C-PCB-105	87.1	25 -150					
13C-PCB-114	84.3	25 -150					
13C-PCB-118	95.8	25 -150					
13C-PCB-123	91.6	25 -150					
13C-PCB-126	76.9	25 -150					
13C-PCB-127	87.5	25 -150					
13C-PCB-138	95.6	25 -150					
13C-PCB-141	94.8	25 -150					
13C-PCB-153	94.6	25 -150					
13C-PCB-155	101	25 -150					
13C-PCB-156	95.9	25 -150					
13C-PCB-157	94.3	25 -150					
13C-PCB-159	94.3	25 -150					
13C-PCB-167	94.1	25 -150					
13C-PCB-169	91.0	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-1022SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-05	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	12.4 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 15:29	% Solids:	40.7	Date Analyzed :	15-Dec-20 19:19 Column: ZB-1		

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-1	4.74			J	PCB-44	221			
PCB-2	11.4				PCB-45	25.5			
PCB-3	6.08				PCB-46	12.4			
PCB-4/10	19.2				PCB-47	134			
PCB-5/8	37.7				PCB-48/75	36.5			
PCB-6	ND		9.31		PCB-50	ND		1.82	
PCB-7/9	ND	0.897			PCB-51	28.2			
PCB-11	159				PCB-52/69	314			
PCB-12/13	ND	0.872			PCB-53	40.7			
PCB-14	ND	0.868			PCB-54	ND		5.62	
PCB-15	40.5				PCB-55	3.45			J
PCB-16/32	51.8				PCB-56/60	147			
PCB-17	42.6				PCB-57	ND		1.47	
PCB-18	76.2				PCB-58	ND		1.47	
PCB-19	22.7				PCB-61/70	328			
PCB-20/21/33	76.7				PCB-62	ND	0.357		
PCB-22	45.3				PCB-63	ND		10.1	
PCB-23	ND	0.475			PCB-65	ND	0.319		
PCB-24/27	8.12			J	PCB-66/76	250			
PCB-25	19.4				PCB-67	7.00			
PCB-26	32.6				PCB-68	4.29			J
PCB-28	164				PCB-73	ND	0.285		
PCB-29	ND	0.492			PCB-74	117			
PCB-30	ND	0.280			PCB-77	29.2			
PCB-31	125				PCB-78	1.48			J
PCB-34	ND		1.42		PCB-79	ND		6.04	
PCB-35	3.85			J	PCB-80	ND	0.253		
PCB-36	ND		1.18		PCB-81	2.76			J
PCB-37	59.3				PCB-82	56.3			
PCB-38	ND		2.95		PCB-83	ND	0.343		
PCB-39	ND	0.435			PCB-84/92	243			
PCB-40	35.8				PCB-85/116	73.7			
PCB-41/64/71/72	194				PCB-86	ND	0.504		
PCB-42/59	68.4				PCB-87/117/125	167			
PCB-43/49	231				PCB-88/91	88.0			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-1022SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-05	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	12.4 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 15:29	% Solids:	40.7	Date Analyzed :	15-Dec-20 19:19	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-89	4.59			J	PCB-137	28.0			
PCB-90/101	622				PCB-138/163/164	728			
PCB-93	ND	0.629			PCB-139/149	553			B
PCB-94	5.53				PCB-140	7.40			
PCB-95/98/102	388				PCB-141	136			
PCB-96	5.05				PCB-142	ND	0.646		
PCB-97	137				PCB-144	31.2			
PCB-99	256				PCB-145	ND	0.168		
PCB-100	12.0				PCB-146/165	127			
PCB-103	12.3				PCB-147	18.5			
PCB-104	ND		1.09		PCB-148	2.07			J
PCB-105	190				PCB-150	ND		2.69	
PCB-106/118	483				PCB-151	176			
PCB-107/109	37.4				PCB-152	1.18			J
PCB-108/112	22.3				PCB-153	710			
PCB-110	567				PCB-154	18.5			
PCB-111/115	7.43			J	PCB-155	ND		0.404	
PCB-113	7.75				PCB-156	66.4			
PCB-114	9.65				PCB-157	13.5			
PCB-119	18.7				PCB-158/160	72.8			
PCB-120	ND		2.94		PCB-159	ND		8.27	
PCB-121	ND	0.327			PCB-166	ND		1.90	
PCB-122	5.52				PCB-167	26.1			
PCB-123	7.86				PCB-168	ND		1.01	
PCB-124	ND		19.8		PCB-169	ND	0.409		
PCB-126	ND		2.43		PCB-170	190			
PCB-127	ND	0.691			PCB-171	54.1			
PCB-128/162	101				PCB-172	33.8			
PCB-129	25.0				PCB-173	4.75			J
PCB-130	53.0				PCB-174	221			
PCB-131/133	22.7				PCB-175	8.74			
PCB-132/161	178				PCB-176	31.0			
PCB-134/143	36.6				PCB-177	131			
PCB-135	89.7				PCB-178	50.7			
PCB-136	100				PCB-179	104			

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

**Sample ID: USMPDI-1022SG-201116**

**EPA Method 1668A**

Client Data		Sample Data		Laboratory Data			
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-05	Date Received:	19-Nov-2020 9:33
Project:	GascoSiltronic: US Moorings	Sample Size:	12.4 g	QC Batch:	B0L0053	Date Extracted:	08-Dec-2020 6:16
Date Collected:	16-Nov-2020 15:29	% Solids:	40.7	Date Analyzed :	15-Dec-20 19:19	Column:	ZB-1

Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers	Analyte	Conc. (pg/g)	DL	EMPC	Qualifiers
PCB-180	464				Total octaCB	441		450	
PCB-181	ND		4.29		Total nonaCB	107			
PCB-182/187	275				DecaCB	106			
PCB-183	118				Total PCB	12400			
PCB-184	ND		0.766						
PCB-185	23.9								
PCB-186	ND	0.293							
PCB-188	ND		0.729						
PCB-189	7.25								
PCB-190	42.3								
PCB-191	7.99								
PCB-192	ND	0.330							
PCB-193	26.3								
PCB-194	94.0			B					
PCB-195	41.9								
PCB-196/203	124								
PCB-197	4.29			J					
PCB-198	ND		4.27						
PCB-199	121								
PCB-200	15.3								
PCB-201	16.6								
PCB-202	23.7								
PCB-204	ND	0.415							
PCB-205	ND		4.60						
PCB-206	73.4								
PCB-207	10.8								
PCB-208	23.2								
PCB-209	106								
Total monoCB	22.2								
Total diCB	256		265						
Total triCB	728		733						
Total tetraCB	2230		2260						
Total pentaCB	3430		3450						
Total hexaCB	3320		3340						
Total heptaCB	1790		1800						

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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



**Sample ID: USMPDI-1022SG-201116**

**EPA Method 1668A**

<b>Client Data</b>		<b>Sample Data</b>		<b>Laboratory Data</b>	
Name:	Anchor QEA, LLC	Matrix:	Sediment	Lab Sample:	2002549-05
Project:	GascoSiltronic: US Moorings	Sample Size:	12.4 g	Date Received:	19-Nov-2020 9:33
Date Collected:	16-Nov-2020 15:29	% Solids:	40.7	QC Batch:	B0L0053
				Date Analyzed :	15-Dec-20 19:19 Column: ZB-1
				Date Extracted:	08-Dec-2020 6:16

Labeled Standard	%R	LCL-UCL	Qualifiers	Labeled Standard	%R	LCL-UCL	Qualifiers
IS 13C-PCB-1	107	15 -150		13C-PCB-170	99.2	25 -150	
13C-PCB-3	103	15 -150		13C-PCB-180	94.3	25 -150	
13C-PCB-4	87.9	25 -150		13C-PCB-188	87.9	25 -150	
13C-PCB-11	89.9	25 -150		13C-PCB-189	96.7	25 -150	
13C-PCB-9	91.5	25 -150		13C-PCB-194	97.9	25 -150	
13C-PCB-19	104	25 -150		13C-PCB-202	108	25 -150	
13C-PCB-28	92.6	25 -150		13C-PCB-206	99.3	25 -150	
13C-PCB-32	100	25 -150		13C-PCB-208	105	25 -150	
13C-PCB-37	98.0	25 -150		13C-PCB-209	106	25 -150	
13C-PCB-47	80.9	25 -150		CRS 13C-PCB-79	87.3	30 -135	
13C-PCB-52	80.3	25 -150		13C-PCB-178	99.1	30 -135	
13C-PCB-54	75.7	25 -150					
13C-PCB-70	87.3	25 -150					
13C-PCB-77	86.3	25 -150					
13C-PCB-80	87.3	25 -150					
13C-PCB-81	87.5	25 -150					
13C-PCB-95	85.3	25 -150					
13C-PCB-97	91.2	25 -150					
13C-PCB-101	88.1	25 -150					
13C-PCB-104	86.9	25 -150					
13C-PCB-105	76.7	25 -150					
13C-PCB-114	77.8	25 -150					
13C-PCB-118	87.5	25 -150					
13C-PCB-123	90.5	25 -150					
13C-PCB-126	77.1	25 -150					
13C-PCB-127	80.1	25 -150					
13C-PCB-138	91.6	25 -150					
13C-PCB-141	90.1	25 -150					
13C-PCB-153	87.8	25 -150					
13C-PCB-155	98.6	25 -150					
13C-PCB-156	91.7	25 -150					
13C-PCB-157	91.5	25 -150					
13C-PCB-159	90.7	25 -150					
13C-PCB-167	92.3	25 -150					
13C-PCB-169	94.5	25 -150					

DL - Sample specific estimated detection limit

LCL-UCL- Lower control limit - upper control limit

EMPC - Estimated maximum possible concentration

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

## 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
K	EMPC (specific projects only)
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
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)

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**

2002549

2.7°C

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

**Project:** GascoSiltronic: US Moorings  
**Client:** NW Natural

**COC ID:** VISTA-20201117-162022  
**Sample Custodian:** SN  
**Lab:** VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
001	USMPDI-013SG-201116	N	SE	11/16/2020	12:15	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
002	USMPDI-014SG-201116	N	SE	11/16/2020	11:10	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
<del>003</del>	<del>USMPDI-015SG-00-0-5-201116</del>	<del>N</del>	<del>SE</del>	<del>11/16/2020</del>	<del>11:28</del>	<del>2</del>	<del><input type="checkbox"/></del>	<del>Dioxin/Furans PCB Congeners Total solids (VISTA)</del>	<del>E1613B E1668A SM2540G</del>	<del>30 30 30</del>	<del>4°C 4°C 4°C</del>
004	USMPDI-018SG-201116	N	SE	11/16/2020	0:00	2	<input checked="" type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
005	USMPDI-022SG-201116	N	SE	11/16/2020	15:25	1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners Total solids (VISTA)	E1613B E1668A SM2540G	30 30 30	4°C 4°C 4°C
006	USMPDI-1022SG-201116	FD	SE	11/16/2020		1	<input type="checkbox"/>	Dioxin/Furans PCB Congeners	E1613B E1668A	30 30	4°C 4°C

Comment:					
Relinquished By	Received By	Relinquished By	Received By	Relinquished By	Received By
Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	Signature:
Print Name: <i>Sasha Norwood</i>	Print Name: <i>Kinsley Scardina</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor QEA</i>	Company: <i>VALU</i>	Company:	Company:	Company:	Company:
Date/Time: <i>11/18/20 @ 0725</i>	Date/Time: <i>11/19/20 0933</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

**ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY**

2002549  
2.7°C

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

**Project:** GascoSiltronic: US Moorings  
**Client:** NW Natural

**COC ID:** VISTA-20201117-162022  
**Sample Custodian:** SN  
**Lab:** VISTA

COC Sample Number	Field Sample ID	Sample Type	Matrix	Collected Date	Time	Containers #	Lab QC*	Test Request	Method	TAT**	Preservative
006	USMPDI-1022SG-201116	FD	SE	11/16/2020		1	<input type="checkbox"/>				
Total solids (VISTA)									SM2540G	30	4°C

Comment:					
Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature: <i>[Signature]</i>	Signature: <i>Kinsey Seardi</i>	Signature:	Signature:	Signature:	Signature:
Print Name: <i>Sasha Norwood</i>	Print Name: <i>Kinsey Seardi</i>	Print Name:	Print Name:	Print Name:	Print Name:
Company: <i>Anchor OEA</i>	Company: <i>VAL</i>	Company:	Company:	Company:	Company:
Date/Time: <i>11/18/20 @ 0725</i>	Date/Time: <i>11/19/20 0933</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:

\* Lab QC Requested for sample when box is checked \*\* TAT = Turn Around Time in DAYS # POC = Project Point of Contact

# Sample Log-In Checklist

 Page # 1 of 1

 Vista Work Order #: 2002549

 TAT std

Samples Arrival:	Date/Time		Initials:		Location:		
	<u>11/19/20</u>	<u>0933</u>	<u>KS</u>		<u>WR-2</u>		
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac	<input type="radio"/> GLS	<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"/> Techni Ice	<input type="radio"/> Dry Ice	<input type="radio"/> None
Temp °C: <u>2.7</u>	(uncorrected)		Probe used: Y <input checked="" type="radio"/> N		Thermometer ID: <u>1R-4</u>		
Temp °C: <u>2.7</u>	(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>      </u>	Trk # <u>7721 2382 3553</u>		
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	Vista	<input checked="" type="radio"/> Client	Retain
		<input checked="" type="radio"/> Return	Dispose
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time		Initials:
	<u>11/19/20 1221</u>		<u>KS</u>
	Location:		<u>WR-2</u>
	Shelf/Rack:		<u>H-4</u>
COC Anomaly/Sample Acceptance Form completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:



# CoC/Label Reconciliation Report WO# 2002549

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2002549-01	A USMPDI-013SG-201116		16-Nov-20 12:15	Amber Glass, 120 mL	Solid	
2002549-02	A USMPDI-014SG-201116		16-Nov-20 11:10	Amber Glass, 120 mL	Solid	
2002549-03	A USMPDI-018SG-201116		16-Nov-20 14:20	Amber Glass, 120 mL	Solid	DUP
2002549-03	B USMPDI-018SG-201116		16-Nov-20 14:20	Amber Glass, 120 mL	Solid	DUP
2002549-04	A USMPDI-022SG-201116		16-Nov-20 15:25	Amber Glass, 120 mL	Solid	
2002549-05	A USMPDI-1022SG-201116		16-Nov-20 15:29	Amber Glass, 120 mL	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.  
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?		✓	
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		
Preservation Documented: Na2S2O3 Trizma <u>None</u> Other		✓	✓
If Chlorinated or Drinking Water Samples, Acceptable Preservation?			✓

Comments: (A) Collection date is matching, but collection time is not present on sample label (00:00).  
(B) Sample time was taken from the sample label.

Verified by/Date: HS 11/19/20



# ANOMALY FORM

Vista Work Order 2002549

Initial/Date The following checked issues were noted during sample receipt and login:

- \_\_\_\_\_  1. The samples were received out of temperature at (WI-PHT): \_\_\_\_\_  
Was Ice present: Yes No Melted Blue Ice
- \_\_\_\_\_  2. The Chain-of-Custody (CoC) was not relinquished properly.
- \_\_\_\_\_  3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
- \_\_\_\_\_  4. The sample(s) did not include a sample collection time. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  5. A sample ID discrepancy was found. See the Reconciliation report.  
The CoC Sample ID will be used unless notified otherwise.
- KS 11/20/20  6. A sample date and/or time discrepancy was found. See the Reconciliation report.  
The CoC Sample date/time will be used unless notified otherwise.
- \_\_\_\_\_  7. The CoC did not include a sample matrix. The following sample matrix will be used: \_\_\_\_\_
- \_\_\_\_\_  8. Insufficient volume received for analysis. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  9. The backup bottle was received broken. Sample Name: \_\_\_\_\_
- \_\_\_\_\_  10. CoC not received, illegible or destroyed.
- \_\_\_\_\_  11. The sample(s) were received out of holding time. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  12. The CoC did not include an analysis. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  13. Sample(s) received without collection date. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  14. Sample(s) not received. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  15. Sample(s) received broken. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  16. An incorrect container-type was used. All or Sample Name: \_\_\_\_\_
- \_\_\_\_\_  17. Other:

Bolded items require sign-off

Client Contacted: \_\_\_\_\_

Date of Contact: \_\_\_\_\_

Vista Client Manager: \_\_\_\_\_

Resolution:

## **EXTRACTION INFORMATION**

Process Sheet  
**Workorder: 2002549**

Prep Expiration: 2021-11-16  
 Client: Anchor QEA, LLC

**Workorder Due: 17-Dec-20 00:00**  
 TAT: 28

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

Prep Batch: BOL0042

Prep Data Entered: EM 12/09/20  
Date and Initials

Initial Sequence: SOL0047

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002549-01	<input checked="" type="checkbox"/>	USMPDI-013SG-201116	19-Nov-20 09:33	WR-2 H-4	
2002549-02	<input checked="" type="checkbox"/>	USMPDI-014SG-201116	19-Nov-20 09:33	WR-2 H-4	
2002549-03	<input checked="" type="checkbox"/>	USMPDI-018SG-201116	19-Nov-20 09:33	WR-2 H-4	<b>DUP</b>
2002549-04	<input checked="" type="checkbox"/>	USMPDI-022SG-201116	19-Nov-20 09:33	WR-2 H-4	
2002549-05	<input checked="" type="checkbox"/>	USMPDI-1022SG-201116	19-Nov-20 09:33	WR-2 H-4	

**WO Comments: 1613: 10g dw**  
**1668A: 5g dw**

Pre-Prep Check Out: AO 11/28/20  
 Pre-Prep Check In: EM 11/28/20

Prep Check Out: DG 12/07/20  
 Prep Check In: DG 12/07/20

Prep Reconciled Initials/Date: AO 11/28/20  
 Spike Reconciled Initials/Date: DG 12/07/20  
 VialBoxID: Ornament

PREPARATION BENCH SHEET

Matrix: Solid

BOL0042

Chemist: DG

Method: 1613 Full List

Prep Date/Time: 07-Dec-20 11:51

Prepared using: HRMS - Soxhlet

\*EM 12/09/20

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	RS CHEM/WIT DATE
A1	BOL0042-BLK1	N/A	(10.00)	DG RP 12/07/20	DG QD 12/08/20	N/A	EM 12/09/20	EM 12/09/20	EM 12/09/20	EM ME 12/09/20
A2	BOL0042-BS1	↓	(10.00)				5*			
A3	BOL0042-DUP1 2002492-03	11.79	11.82				Gray			
A4	BOL0042-DUP2 2002549-03	22.76	22.86				Black/Brown yellow			
A5	2002492-01	14.03	14.16				Gray			
A7	2002492-02	12.55	12.68							
A8	2002492-03	11.79	11.86							
A9	2002492-04	12.96	12.98							
A10	2002492-05	13.89	14.00							
A11	2002492-06	15.41	15.62				Black/Brown yellow			
B1	2002492-07	14.01	14.06				Brown			
B2	2002492-08	12.12	12.35				Gray			
B3	2002492-09	12.19	12.23							
B5	2002549-01	27.18	27.44			N/A	EM 12/09/20 ©	EM 12/09/20	QD 12/09/20	EM ME 12/09/20
B6	2002549-02	24.71	24.99							

IS: 20F1101, 10µL (3)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: DG 12/07/20	Soxhlet Siphoned Chemist/Date: DG 12/07/20	Notes: (A) 20E0701, 10µL (4) DG 12/08/20
NS: 20F0107, 10µL (4)	Start Date/Time: 12/07/20	SOLV: TOL	Check In: DG 12/07/20	(B) Sample fell on rotovap DG 12/08/20	
PS/CRS: 20E0701, 10µL (1)	1346	Other: N/A	Balance ID: HRMS-8	(C) Black/Brown/Yellow EM 12/09/20	
RS: 20H2502, 10µL (6)	Stop Date/Time: 12/08/20	Final Volume(s): 20µL C14			
Diox/F PCB PAH PEST PBDE HCB				Vial Transfer Chemist/Date: EM 12/09/20	

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  
 7 = Soxhlet approached dryness

PREPARATION BENCH SHEET

Matrix: Solid

BOL0042

Chemist: DG

Method: 1613 Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 07-Dec-20 11:51

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/ DATE	Column Packer: N/A	ABSG CHEM/ DATE	AA CHEM/ DATE	Florisil CHEM/ DATE	RS CHEM/WIT DATE
B7	2002549-03	22.76	23.06	DG PL 12/07/20	DG QD 12/08/20	N/A	EM 12/09/20	EM 12/09/20	EM 12/09/20	EM 12/09/20	EM ME 12/09/20
B8	2002549-04	25.21	25.26	↓	↓	↓	↓	BROWN	↓	↓	↓
B9	2002549-05	24.58	24.65	↓	↓	↓	↓	BLACK/BROWN/YELLOW	↓	↓	↓
B10	2002550-01	12.88	12.96	↓	↓	↓	↓	BROWN	↓	↓	↓
B11	2002550-02	11.01	11.09	↓	↓	↓	↓	↓	↓	↓	↓
B12	2002550-03	8.00	8.12	↓	↓	↓	↓	BLACK/BROWN/YELLOW	↓	↓	↓
C1	2002550-04	9.95	9.99	↓	↓	↓	↓	Red/Yellow/GREEN	↓	↓	↓

IS: 20F1101, 10µL (V3)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: DG 12/07/20	Soxhlet Siphoned Chemist/Date: DG 12/07/20	Notes: (A) 20E0701, 10µL (V6) DG 12/08/20
NS: 20F0107, 10µL (V4)	Start Date/Time	SOLV: TOL	Chemist/Date: DG 12/07/20	DG 12/07/20	(C) Black/Brown/Yellow EM 12/09/20
PS/CRS: (A) 20E0701, 10µL (V1)	12/07/20	Other: N/A	Check In: DG 12/07/20		
RS: 20H2502, 10µL (V6)	1346 Stop Date/Time	Final Volume(s) 20µL	Chemist/Date: DG 12/07/20	Vial Transfer Chemist/Date: DG 12/07/20	
Diox/F PCB PAH PEST PBDE HCB	12/08/20 0600	C14	Balance ID: HRMS-8	12/09/20	

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
- 7 = Soxhlet approached dryness

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002492-01	14.16 ✓	71.28712	10.0943	20 ✓	07-Dec-20 11:51	DG ✓			Sediment	1613 Full List
2002492-02	12.68 ✓	79.7066	10.1068	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002492-03	11.86 ✓	84.78261	10.0552	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002492-04	12.98 ✓	77.14286	10.0131	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002492-05	14 ✓	72	10.0800	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002492-06	15.62 ✓	64.87854	10.1340	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002492-07	14.06 ✓	71.36565	10.0340	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002492-08	12.35 ✓	82.51029	10.1900	20 ✓	07-Dec-20 11:51	DG ✓			Sediment	1613 Full List
<del>2002492-09</del>	<del>12.23</del>	<del>82.35294</del>	<del>10.0718</del>	<del>20</del>	<del>07-Dec-20 11:51</del>	<del>DG</del>			<del>Sediment</del>	<del>1613 Full List</del>
2002549-01	27.44 ✓	36.79245	10.0958 ✓	20 ✓	07-Dec-20 11:51	DG ✓			Sediment	1613 Full List
2002549-02	24.99 ✓	40.46435	10.1120 ✓	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002549-03	23.06 ✓	43.94141	10.1329 ✓	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002549-04	25.26 ✓	39.66481	10.0193 ✓	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002549-05	24.65 ✓	40.68555	10.0290 ✓	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002550-01	12.96 ✓	38.82726	5.0320	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002550-02	11.09 ✓	45.41667	5.0367	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002550-03	8.12 ✓	62.48331	5.0736	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
2002550-04	9.99 ✓	50.27322	5.0223	20	07-Dec-20 11:51	DG			Sediment	1613 Full List
B0L0042-BLK1	10 ✓	100	(10.00)	20	07-Dec-20 11:51	DG				QC
B0L0042-BS1	10 ✓	100	(10.00)	20	07-Dec-20 11:51	DG	20F0107 ✓	10 ✓		QC
B0L0042-DUP1	11.82 ✓	84.78261	10.021304520	20	07-Dec-20 11:51	DG				QC
B0L0042-DUP2	22.86 ✓	43.94141	10.0450063	20 ✓	07-Dec-20 11:51	DG ✓				QC

All bolded data on report verified against written benchsheet by (initial/date) EM 12/09/20

Percent Moisture/ Percent Solids

D2216-90 BATCH ID B0K0213

Analyst: AO	Test Code: %Moist/%Solids	Data Entry Verified by: (Initial and Date) <u>AO 12/01/20</u>
Analyte: Dried at 110°C+/-5°C	Units: %	
Oven ID: 01 02		

Inst HRMS-9 Date/Time IN: 11/28/20 0840 Date/Time OUT: 12/01/20 730

Particle Size	SampID	SampType	Initial and Date:		G			K				N		Sample Homogenized*
			AO 11/28/20	AO 12/01/20	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added			
	2002549-01	Sample	Pan Tare Wt. (gms) 1.2600	Wet Pan and Sample Weight (g) 6.5600	Dry Pan and Sample Weight (g) 3.2100	1.9500	36.79	MUD	NA	NA	NA	NA	NA	X
	2002549-02	Sample	1.2600	7.2900	3.7000	2.4400	40.46	MUD	NA	NA	NA	NA	NA	X
	2002549-03	Sample	1.2700	8.7800	4.5700	3.3000	43.94	MUD	NA	NA	NA	NA	NA	X
	2002549-04	Sample	1.2700	6.6400	3.4000	2.1300	39.66	MUD	NA	NA	NA	NA	NA	X
	2002549-05	Sample	1.2600	7.9700	3.9900	2.7300	40.69	MUD	NA	NA	NA	NA	NA	X

\*Sample homogenized in sample container unless otherwise noted.



Percent Moisture/ Percent Solids

D2216-90

BATCH ID B0K0213

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

Inst: **HRMS-9**      Date/Time IN: **11/28/20 0840**      Date/Time OUT: **12/01/20 730**

B		C	D			E	F	G	H	I	K	L	M	N	O	P
Particle Size		SamplID	SampType	Initial and Date:		11/28/20	12/01/20					11/28/20			11/28/20	
				Pan Tare Wt. (gms)	Wet Pan and Sample Weight (g)	Dry Pan and Sample Weight (g)	Dry Sample Weight (g)	%Solids RawVal	Visual Inspection	Cl-	pH Before	pH After	Acid Added	Sample Homogenized*		
		2002549-01	Sample	1.26	6.56	3.21			Mud					X		
		2002549-02	Sample	1.26	7.29	3.70			↓					X		
		2002549-03	Sample	1.27	8.78	4.57			↓					X		
		2002549-04	Sample	1.27	6.64	3.40			↓					X		
		2002549-05	Sample	1.26	7.97	3.99			↓					X		

\*Sample homogenized in sample container unless otherwise noted.

Process Sheet  
 Workorder: **2002549**

Prep Expiration: 2021-11-16  
 Client: Anchor QEA, LLC

Workorder Due: **17-Dec-20 00:00**

TAT: 28

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

Prep Batch: BOL0053

Prep Data Entered: EM 12/12/20  
Date and Initials

Initial Sequence: SO L0037

LabSampleID	Recon	ClientSampleID	Date Received	Location	Comments
2002549-01	<input checked="" type="checkbox"/>	USMPDI-013SG-201116	19-Nov-20 09:33	WR-2 H-4	
2002549-02	<input checked="" type="checkbox"/>	USMPDI-014SG-201116	19-Nov-20 09:33	WR-2 H-4	
2002549-03	<input checked="" type="checkbox"/>	USMPDI-018SG-201116	19-Nov-20 09:33	WR-2 H-4	DUP
2002549-04	<input checked="" type="checkbox"/>	USMPDI-022SG-201116	19-Nov-20 09:33	WR-2 H-4	
2002549-05	<input checked="" type="checkbox"/>	USMPDI-1022SG-201116	19-Nov-20 09:33	WR-2 H-4	

WO Comments: **1613: 10g dw**  
**1668A: 5g dw**

Pre-Prep Check Out: \_\_\_\_\_  
 Pre-Prep Check In: \_\_\_\_\_

Prep Check Out: AO 12/08/20  
 Prep Check In: IM 12/08/20

Prep Reconciled Initials/Date: AO 12/08/20  
 Spike Reconciled Initials/Date: IM 12/08/20  
 VialBoxID: Rudolph

PREPARATION BENCH SHEET

Matrix: Solid

BOL0053

Chemist: AO

Method: 1668A Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 08-Dec-20 06:16

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	RS CHEM/WIT DATE
A1	BOL0053-BLK1	NA	(5.00)	AO 1M 12/08/20	EM AO 12/10/20	EM 12/10/20	EM 12/10/20	N/A	N/A	EM (K) 12/12/20
A2	BOL0053-BS (B)	↓	(5.00)	↓	↓	↓	↓	↓	↓	↓
A3	BOL0053-DUP1 2002549-03	11.38	11.79	↓	↓	N/A	Black/Brown/ Yellow	↓	↓	↓
A4	2002549-01	13.59	13.87	↓	↓	↓	↓	↓	↓	↓
A5	2002549-02	12.36	13.38	↓	↓	↓	↓	↓	↓	↓
A7	2002549-03	11.38	11.04	↓	↓	↓	↓	↓	↓	↓
A8	2002549-04	12.61	12.80	↓	↓	↓	↓	↓	↓	↓
A9	2002549-05	12.29	12.35	↓	↓	↓	↓	↓	↓	↓
A10	2002550-01	12.88	13.01	↓	↓	↓	Black/ Brown	↓	↓	↓
A11	2002550-02 (3/A)	11.01	11.84	↓	↓	↓	Brown/ orange/black	↓	↓	↓
A12	2002550-03	8.00	8.03	↓	↓	↓	Brown/Black/ Yellow	↓	↓	↓
B1	2002550-04 (A)	9.95	10.13	↓	↓	↓	Brown/Black/ orange	↓	↓	↓
B2	2002582-01 (B)	6.77	7.45	↓	↓	EM 12/10/20	Brown/Yellow/ Black	↓	↓	↓
B3	2002582-02 (3)	6.89	7.11	↓	↓	N/A	↓	↓	↓	↓
B4	2002582-03	11.71	11.89	↓	↓	↓	↓	↓	↓	↓

IS: <u>20J1204, 10ML (V3)</u>	Cycle Time	APP: SEFUN SOX (S)	Check Out: <u>AO 12/08/20</u>	Soxhlet Siphoned Chemist/Date: <u>EM 12/10/20</u>	Notes: (3) EM 12/10/20 (A) sample bubbling on rotovap despite adjusting pressure & temp. Rotovapped slower to minimize this EM 12/10/20 (B) Glass stopper leaked during AP. < 5% of sample lost EM 12/10/20 (K) yellow EM 12/10/20
NS: <u>20J1205, 10ML (V6)</u>	Start Date/Time: <u>12/08/20 1:30</u>	SOLV: <u>Tol.</u>	Check In: <u>1M 12/08/20</u>	Chemist/Date: <u>EM 12/08/20</u>	
PS/CRS: <u>20J1206, 10ML (V4)</u>	Stop Date/Time: <u>12/09/20 5:45</u>	Other: <u>NA</u>	Balance ID: <u>HRMS-08</u>	Vial Transfer Chemist/Date: <u>EM 12/12/20</u>	
RS: <u>20J1208, 10ML (V4)</u>		Final Volume(s): <u>C9 100ML</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  
 7 = Soxhlet approached dryness

PREPARATION BENCH SHEET

Matrix: Solid

B0L0053

Chemist: AO

Method: 1668A Full List

Prepared using: HRMS - Soxhlet

Prep Date/Time: 08-Dec-20 06:16

Sox	VISTA Sample ID	G Eqv	Sample Amt. (g)	IS/NS CHEM/WIT DATE	CRS/PS CHEM/WIT DATE	AP CHEM/DATE	ABSG CHEM/DATE	AA CHEM/DATE	Florisil CHEM/DATE	RS CHEM/WIT DATE
B5	2002582-04	8.99	9.17	AO IM 12/08/20	EM 00 12/10/20	N/A	EM 12/10/20	N/A	N/A	EM 12/12/20
B6	2002582-05 (3)	13.12	13.34	T	T	T	Brown/gray	T	T	T
B7	2002582-06	13.87	14.09	T	T	T	T	T	T	T
B8	2002582-07 (3)	10.49	10.63	T	T	T	T	T	T	T
B9	2002582-08	7.25	7.45	T	T	T	T	T	T	T

IS: 20J1204, 10µL (V3)	Cycle Time	APP: SEFUN SOX (SDS)	Check Out: AO 12/08/20	Soxhlet Siphoned Chemist/Date:	Notes: (3) EM 12/10/20
NS: 20J1205, 10µL (V6)	Start Date/Time: 12/08/20 1230	SOLV: TOL	Check In: IM 12/08/20		(*) Brown/yellow/black EM 12/10/20
PS/CRS: 20J1206, 10µL (V4)	Stop Date/Time: 12/09/20 545	Other: N/A	Balance ID: HRMS-08	Vial Transfer Chemist/Date: EM 12/12/20	
RS: 20J1208, 10µL (V4)		Final Volume(s): C9 100µL			
Diox/F (PCB) PAH PEST PBDE HCB					

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
- 7 = Soxhlet approached dryness

Batch: B0L0053

Matrix: Solid

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
2002549-01	13.87 ✓	36.79245	5.1031 ✓	100 ✓	08-Dec-20 06:16	ACO ✓			Sediment	1668A Full List
2002549-02	13.38 ✓	40.46435	5.4141 ✓	100 ✓	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002549-03	11.64 ✓	43.94141	5.1148 ✓	100 ✓	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002549-04	12.8 ✓	39.66481	5.0771 ✓	100 ✓	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002549-05	12.35 ✓	40.68555	5.0247 ✓	100 ✓	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002550-01	13.01 ✓	38.82726	5.0514	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002550-02	11.84 ✓	45.41667	5.3773	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002550-03	8.03 ✓	62.48331	5.0174	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002550-04	10.13 ✓	50.27322	5.0927	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-01	7.45 ✓	73.80515	5.4985	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-02	7.11 ✓	72.61363	5.1628	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-03	11.89 ✓	42.71186	5.0784	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-04	9.17 ✓	55.58699	5.0973	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-05	13.34 ✓	38.09524	5.0819	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-06	14.09 ✓	36.05948	5.0808	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-07	10.63 ✓	47.67081	5.0674	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
2002582-08	7.45 ✓	69.00958	5.1412	100	08-Dec-20 06:16	ACO			Sediment	1668A Full List
<b>B0L0053-BLK1</b>	<b>5 ✓</b>	<b>100</b>	<b>(5.00)</b>	<b>100</b>	<b>08-Dec-20 06:16</b>	<b>ACO</b>				QC
<b>B0L0053-BS1</b>	<b>5 ✓</b>	<b>100</b>	<b>(5.00)</b>	<b>100</b>	<b>08-Dec-20 06:16</b>	<b>ACO</b>	<b>20J1205 ✓</b>	<b>10 ✓</b>		QC
<b>B0L0053-DUP1</b>	<b>11.79 ✓</b>	<b>43.94141</b>	<b>5.1806224</b>	<b>100 ✓</b>	<b>08-Dec-20 06:16</b>	<b>ACO ✓</b>				QC

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

*EM* 12/12/20

Printed: 12/12/2020 3:45:12PM  
Page 1 of 1

SAMPLE DATA – EPA METHOD 1613

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:55:45 Pacific Standard Time

*DB 12/17/20 CT 12/17/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

#	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			NO	1.00	10.000	26.051		1.001				0.206	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.000	30.509		1.001				0.172	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	10.000	33.744		1.000				0.297	
4	4 1,2,3,6,7,8-HxCDD			NO	1.02	10.000	33.854		1.000				0.322	
5	5 1,2,3,7,8,9-HxCDD			NO	1.06	10.000	34.163		1.001				0.305	
6	6 1,2,3,4,6,7,8-HpCDD			NO	1.00	10.000	37.564		1.000				0.204	
7	7 OCDD			NO	0.952	10.000	40.713		1.000				0.246	
8	8 2,3,7,8-TCDF			NO	1.01	10.000	25.403		1.001				0.163	
9	9 1,2,3,7,8-PeCDF			NO	0.998	10.000	29.321		1.001				0.133	
10	10 2,3,4,7,8-PeCDF			NO	1.07	10.000	30.337		1.001				0.130	
11	11 1,2,3,4,7,8-HxCDF			NO	1.05	10.000	32.834		1.000				0.0895	
12	12 1,2,3,6,7,8-HxCDF			NO	1.10	10.000	32.976		1.000				0.0907	
13	13 2,3,4,6,7,8-HxCDF			NO	1.09	10.000	33.669		1.001				0.0946	
14	14 1,2,3,7,8,9-HxCDF			NO	1.08	10.000	34.633		1.000				0.114	
15	15 1,2,3,4,6,7,8-HpCDF			NO	1.13	10.000	36.250		1.001				0.0942	
16	16 1,2,3,4,7,8,9-HpCDF			NO	1.29	10.000	38.222		1.000				0.0948	
17	17 OCDF			NO	0.953	10.000	41.042		1.000				0.276	
18	18 13C-2,3,7,8-TCDD	7.64e4	0.76	NO	1.17	10.000	25.959	26.02	1.026	1.028	200.77	100	1.24	
19	19 13C-1,2,3,7,8-PeCDD	5.78e4	0.64	NO	0.914	10.000	30.510	30.49	1.206	1.205	194.64	97.3	0.607	
20	20 13C-1,2,3,4,7,8-HxCDD	4.32e4	1.28	NO	0.634	10.000	33.739	33.73	1.014	1.014	229.73	115	1.00	
21	21 13C-1,2,3,6,7,8-HxCDD	4.79e4	1.25	NO	0.724	10.000	33.849	33.85	1.017	1.018	222.86	111	0.877	
22	22 13C-1,2,3,7,8,9-HxCDD	4.75e4	1.21	NO	0.716	10.000	34.118	34.13	1.025	1.026	223.52	112	0.887	
23	23 13C-1,2,3,4,6,7,8-HpCDD	3.99e4	1.09	NO	0.660	10.000	37.565	37.55	1.129	1.129	203.74	102	1.72	
24	24 13C-OCDD	6.02e4	0.86	NO	0.587	10.000	40.573	40.71	1.219	1.224	346.04	86.5	0.784	
25	25 13C-2,3,7,8-TCDF	9.75e4	0.74	NO	1.02	10.000	25.359	25.38	1.002	1.003	201.56	101	1.38	
26	26 13C-1,2,3,7,8-PeCDF	8.40e4	1.59	NO	0.842	10.000	29.240	29.30	1.156	1.158	210.71	105	0.673	
27	27 13C-2,3,4,7,8-PeCDF	8.31e4	1.63	NO	0.802	10.000	30.133	30.31	1.191	1.198	219.03	110	0.706	
28	28 13C-1,2,3,4,7,8-HxCDF	5.88e4	0.50	NO	1.00	10.000	32.874	32.83	0.988	0.987	197.56	98.8	1.03	
29	29 13C-1,2,3,6,7,8-HxCDF	5.79e4	0.51	NO	1.02	10.000	33.007	32.97	0.992	0.991	191.49	95.7	1.01	
30	30 13C-2,3,4,6,7,8-HxCDF	5.67e4	0.53	NO	0.955	10.000	33.576	33.63	1.009	1.011	200.11	100	1.08	
31	31 13C-1,2,3,7,8,9-HxCDF	4.95e4	0.52	NO	0.851	10.000	34.651	34.63	1.041	1.041	195.90	98.0	1.21	

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:55:45 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.10e4	0.42	NO	0.848	10.000	36.168	36.21	1.087	1.088	162.90	81.5	1.22	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.28e4	0.42	NO	0.624	10.000	38.164	38.22	1.147	1.149	177.17	88.6	1.66	
34	34 13C-OCDF	7.20e4	0.87	NO	0.730	10.000	40.726	41.04	1.224	1.234	332.20	83.0	0.836	
35	35 37Cl-2,3,7,8-TCDD	2.67e4			1.21	10.000	25.956	26.05	1.026	1.030	68.205	85.3	0.123	
36	36 13C-1,2,3,4-TCDD	6.49e4	0.78	NO	1.00	10.000	25.300	25.30	1.000	1.000	200.00	100	1.46	
37	37 13C-1,2,3,4-TCDF	9.47e4	0.79	NO	1.00	10.000	23.880	23.90	1.000	1.000	200.00	100	1.41	
38	38 13C-1,2,3,4,6,9-HxCDF	5.94e4	0.49	NO	1.00	10.000	33.310	33.27	1.000	1.000	200.00	100	1.03	
39	39 Total Tetra-Dioxins				1.00	10.000	24.620		0.000				0.130	
40	40 Total Penta-Dioxins				0.935	10.000	29.960		0.000				0.0717	
41	41 Total Hexa-Dioxins				1.02	10.000	33.635		0.000				0.147	
42	42 Total Hepta-Dioxins				1.00	10.000	37.640		0.000				0.139	
43	43 Total Tetra-Furans				1.01	10.000	23.610		0.000				0.0676	
44	44 1st Func. Penta-Furans				0.998	10.000	26.750		0.000				0.0273	
45	45 Total Penta-Furans				0.998	10.000	29.275		0.000				0.0457	
46	46 Total Hexa-Furans				1.09	10.000	33.555		0.000				0.0616	
47	47 Total Hepta-Furans				1.13	10.000	37.835		0.000				0.0603	



Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:55:45 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

Tetra-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Penta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Hexa-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Hepta-Dioxins

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Tetra-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Penta-Furans function 1

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:55:45 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

Penta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

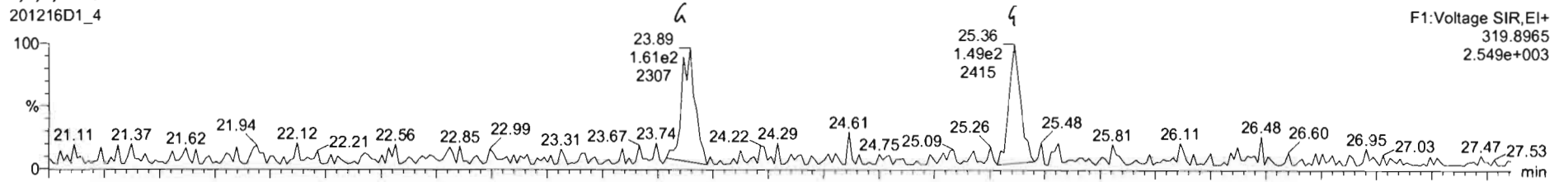
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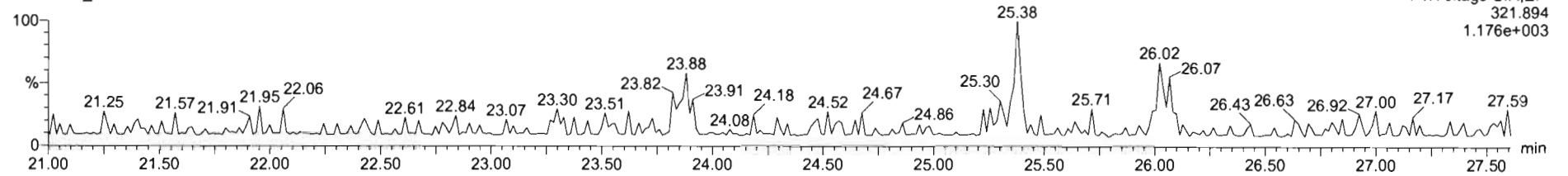
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2,3,7,8-TCDD

201216D1\_4

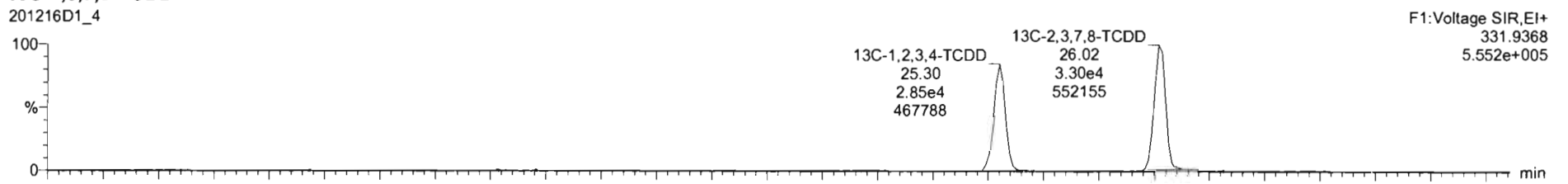


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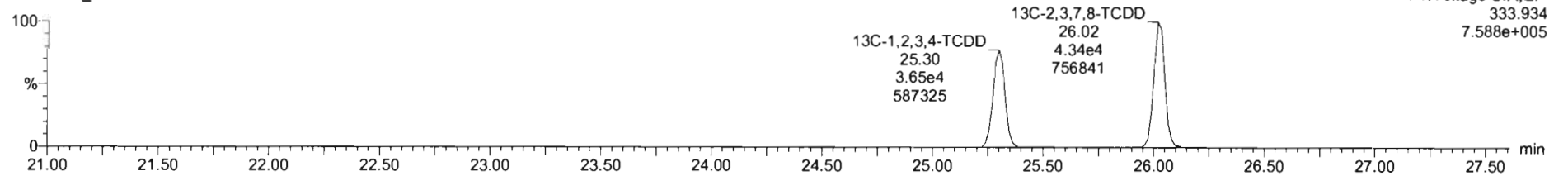


13C-2,3,7,8-TCDD

201216D1\_4



201216D1\_4



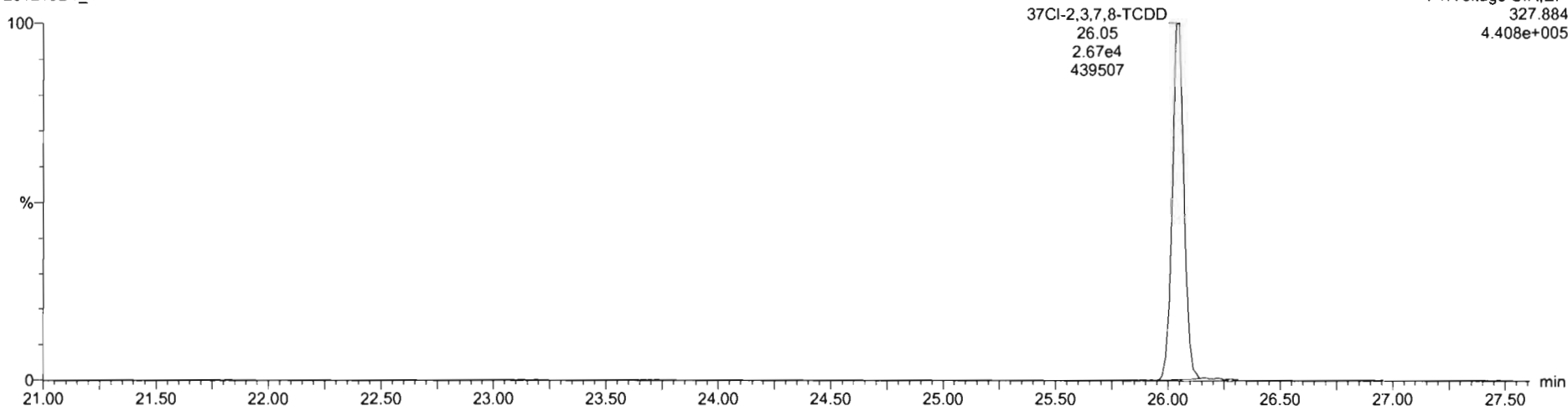
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Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

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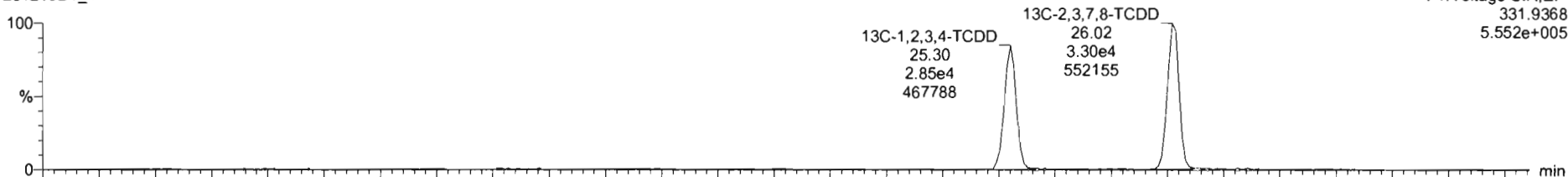
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201216D1\_4

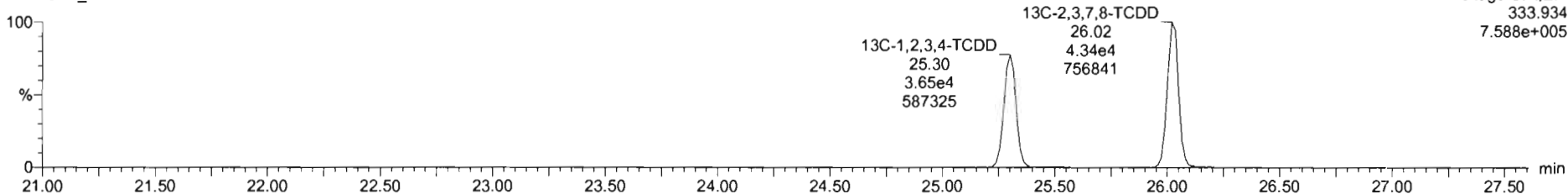


**13C-1,2,3,4-TCDD**

201216D1\_4



201216D1\_4



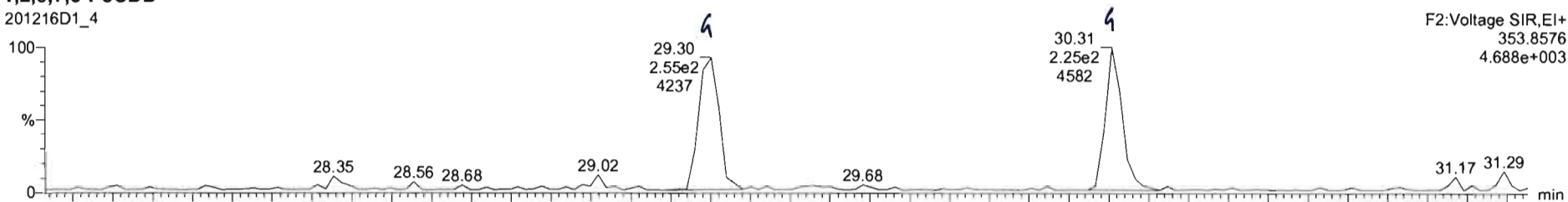
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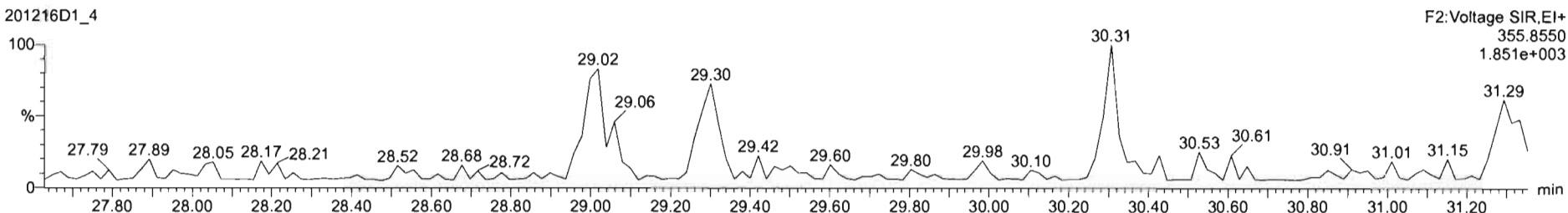
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1,2,3,7,8-PeCDD

201216D1\_4

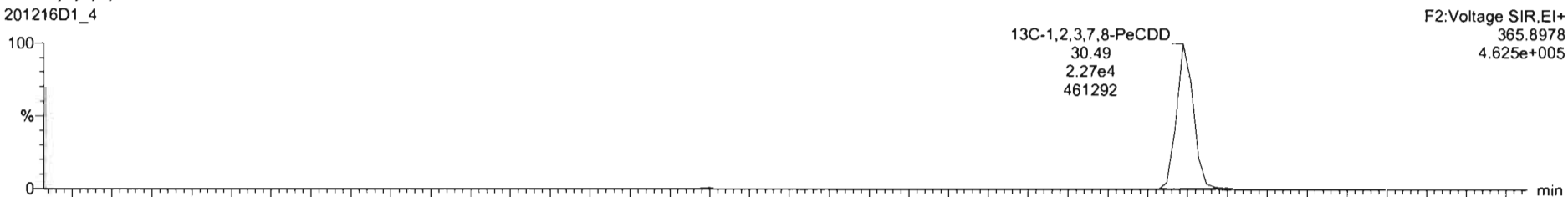


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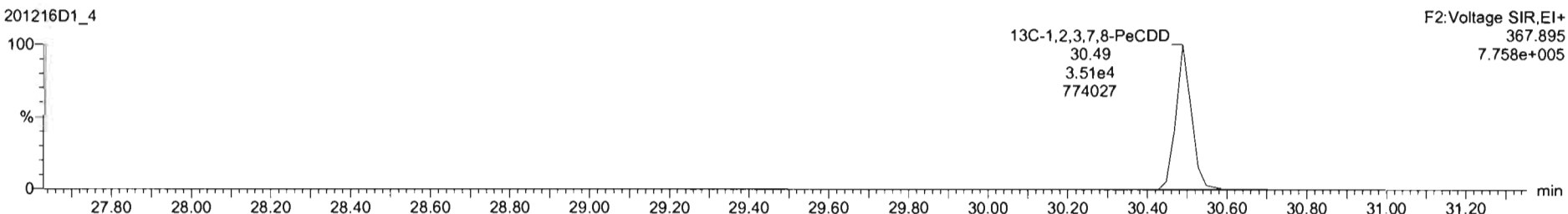


13C-1,2,3,7,8-PeCDD

201216D1\_4



201216D1\_4

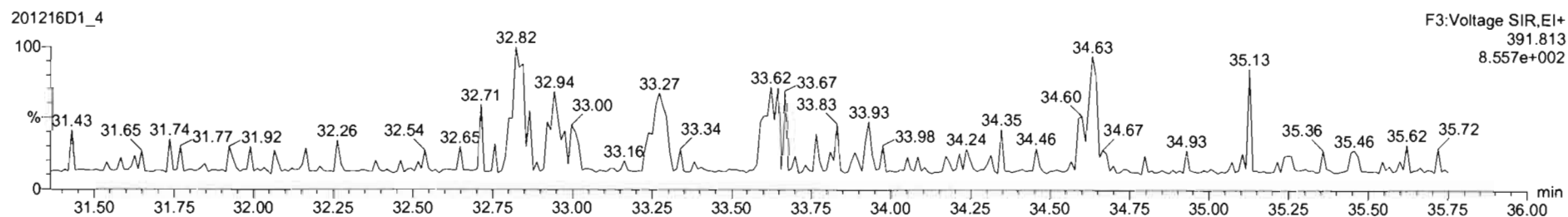
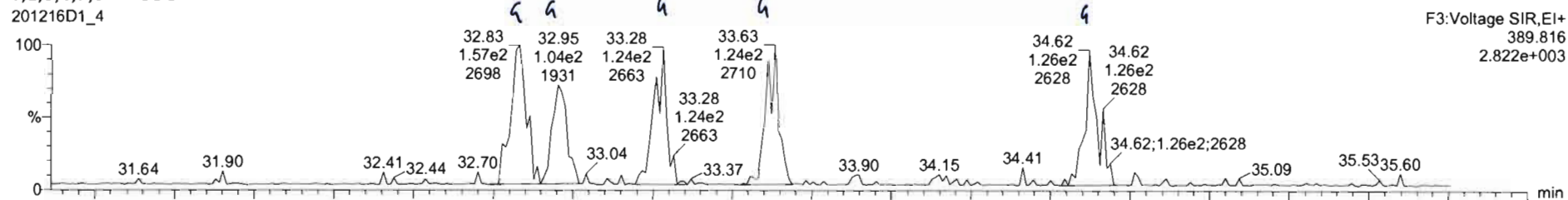


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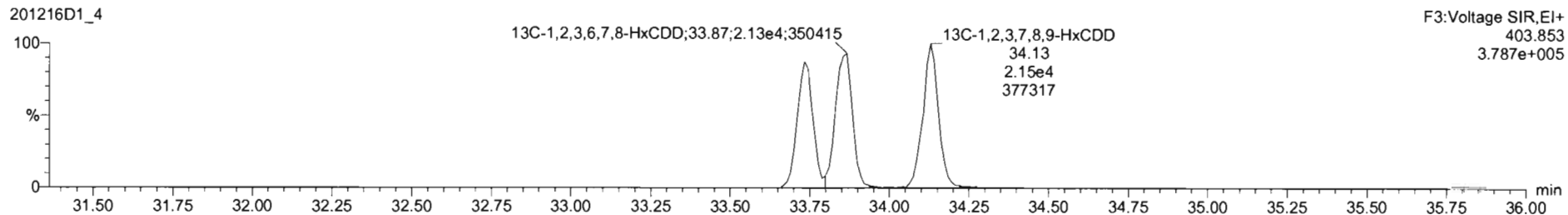
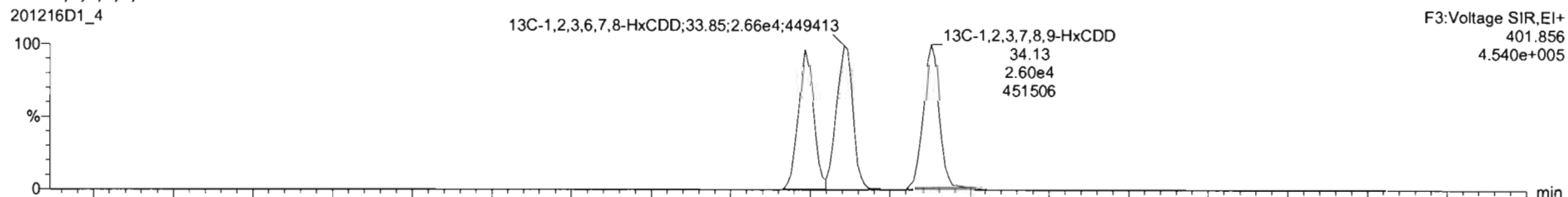
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Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

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



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

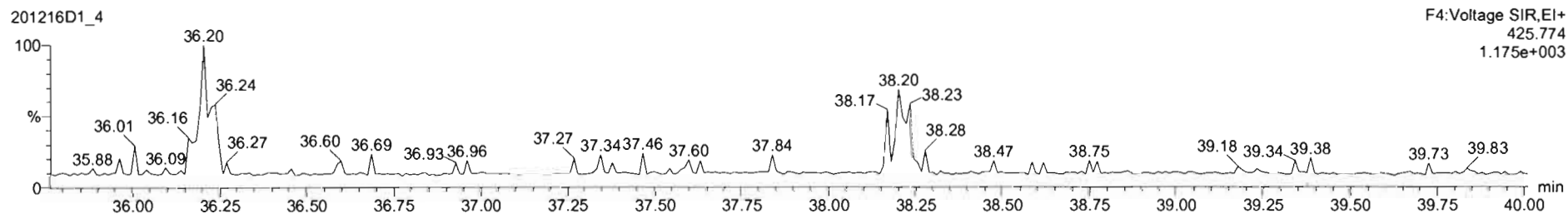
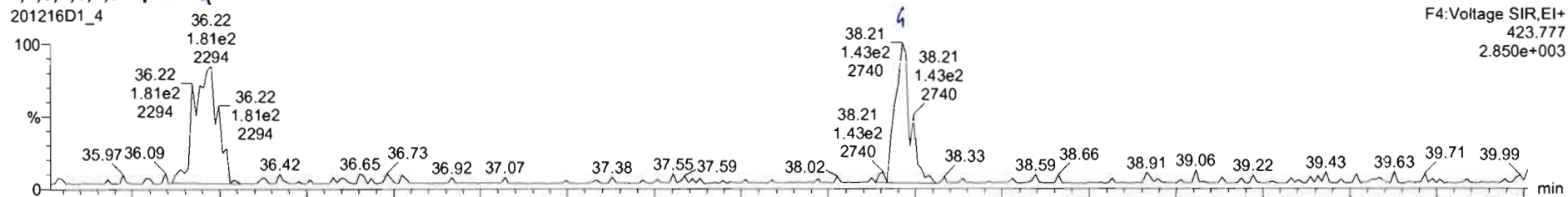


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

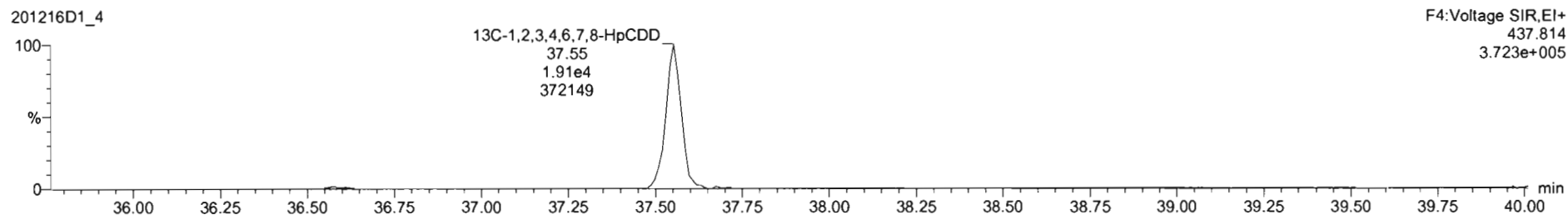
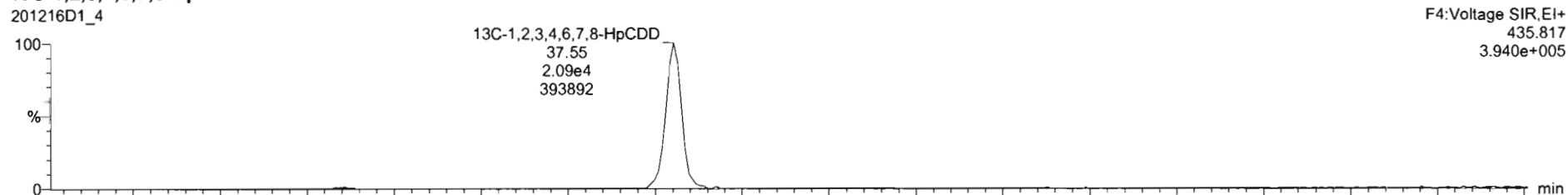
Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

1,2,3,4,6,7,8-HpCDD<sub>g</sub>



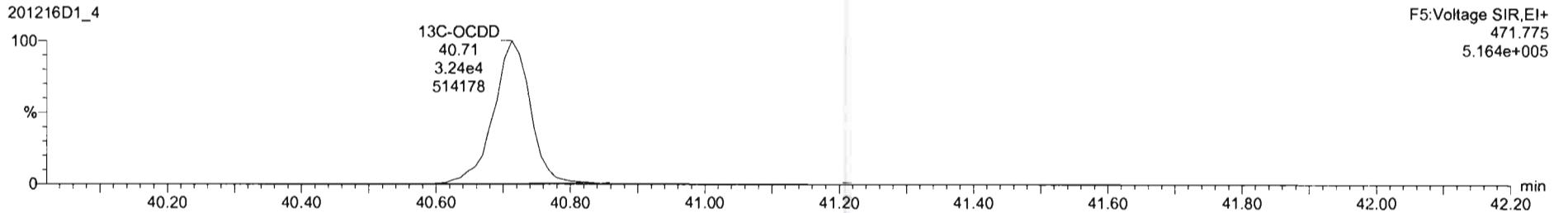
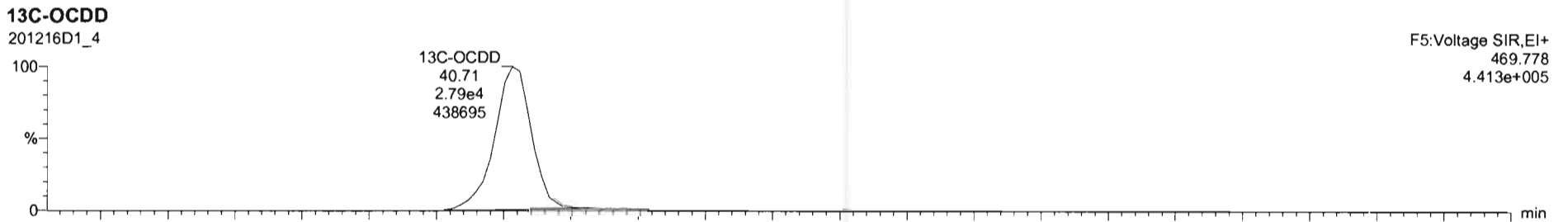
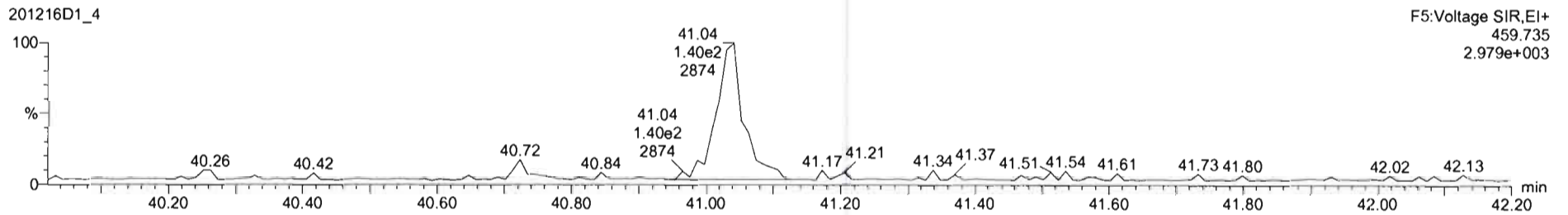
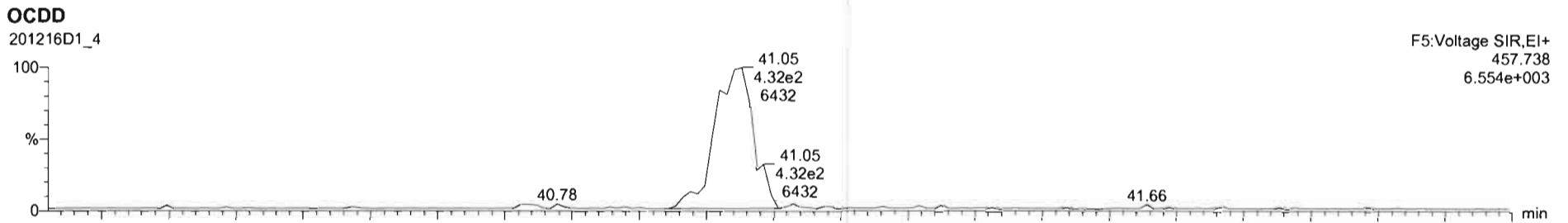
13C-1,2,3,4,6,7,8-HpCDD



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank





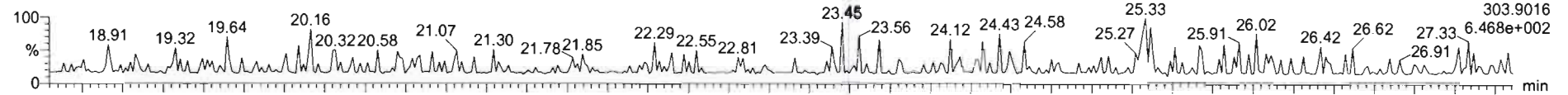
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

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Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

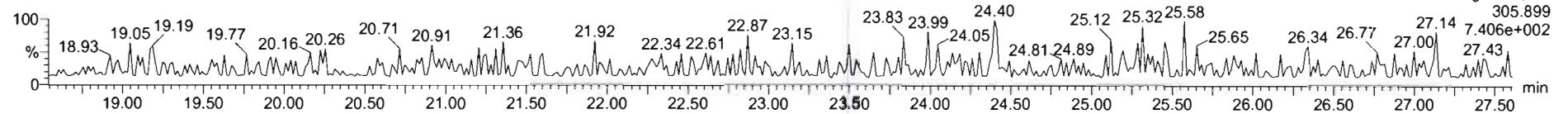
Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

**2,3,7,8-TCDF**

201216D1\_4

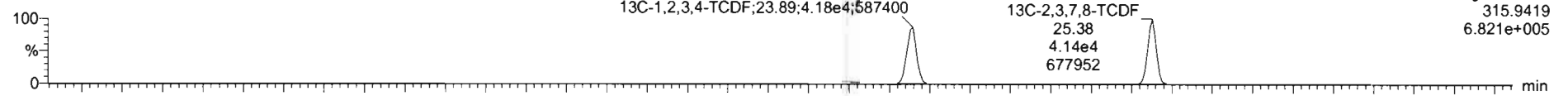


201216D1\_4

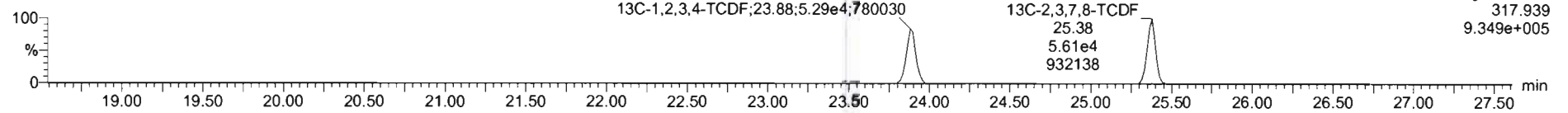


**13C-2,3,7,8-TCDF**

201216D1\_4

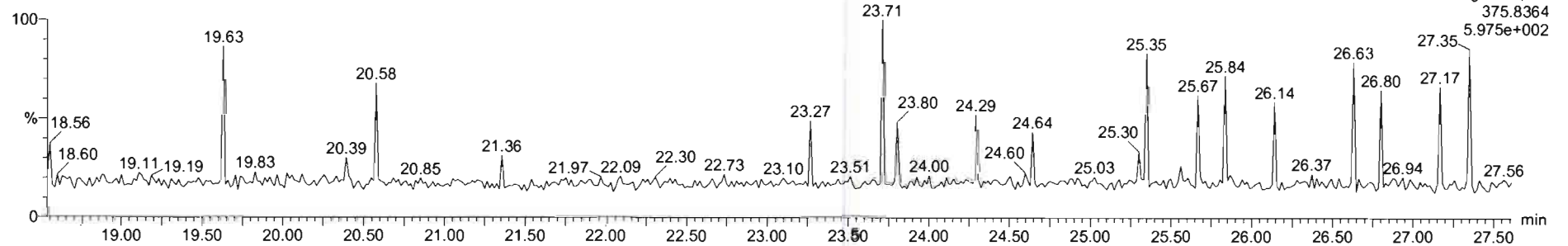


201216D1\_4



**DPE1**

201216D1\_4

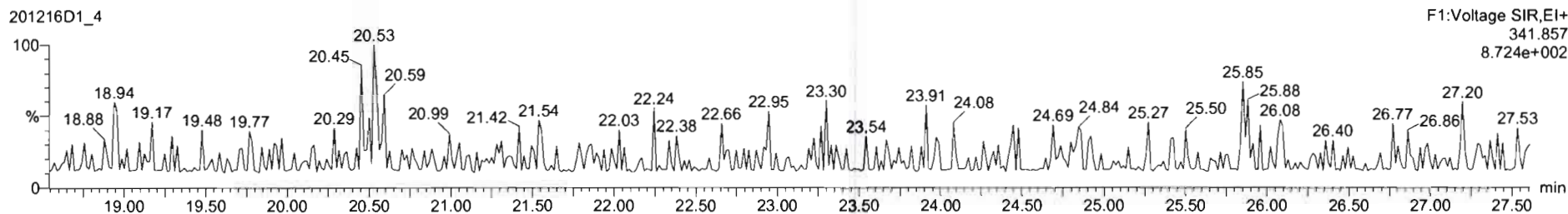
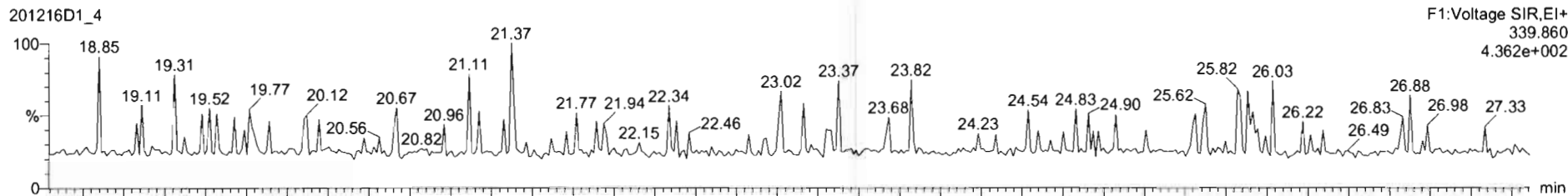


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

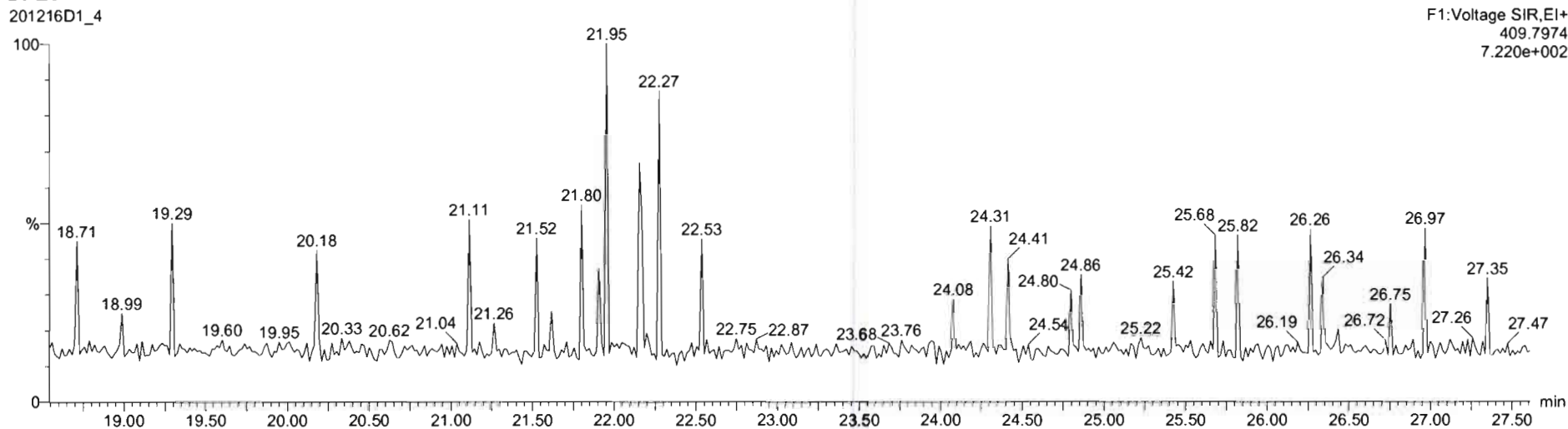
Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

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DPE6

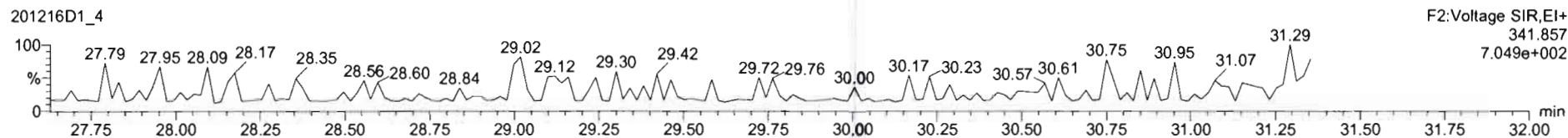
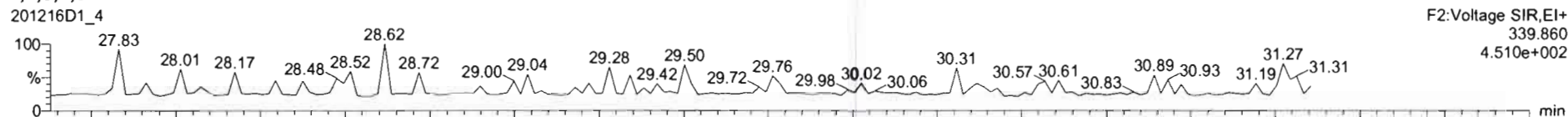


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

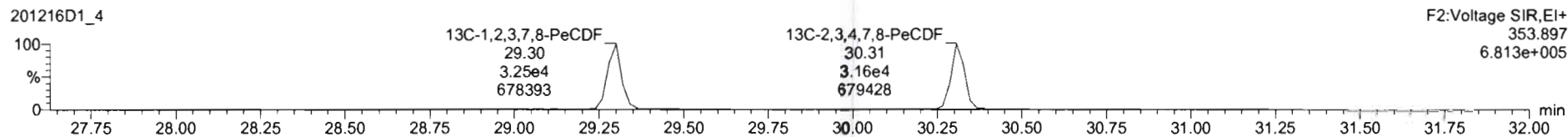
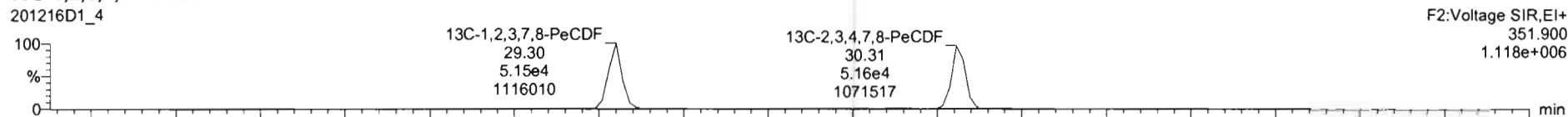
Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

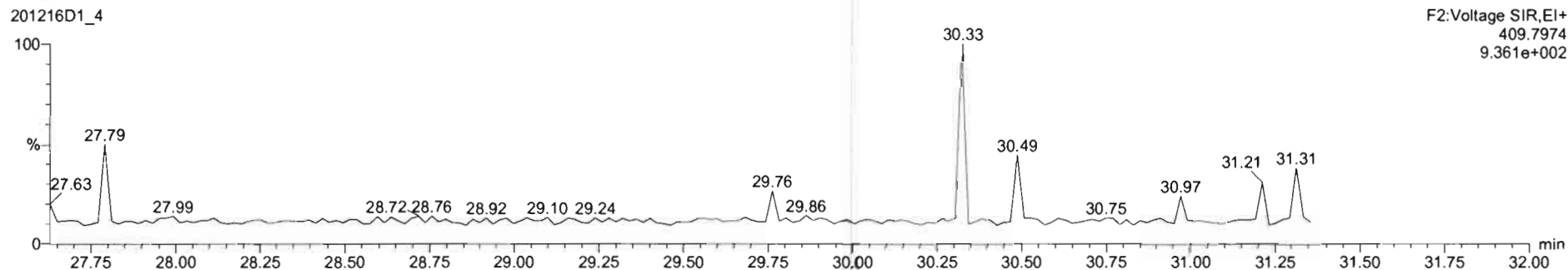
1,2,3,7,8-PeCDF



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



DPE2



Vista Analytical Laboratory

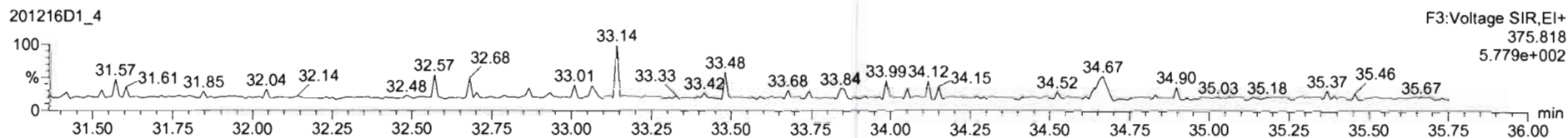
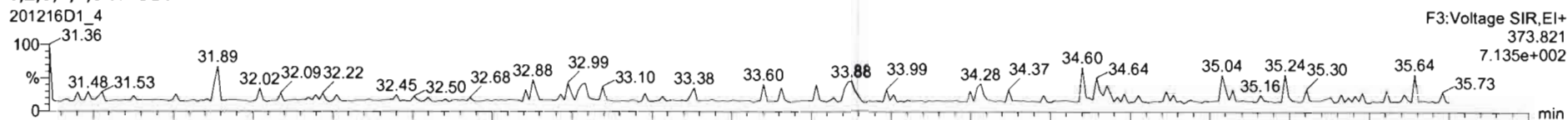
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time

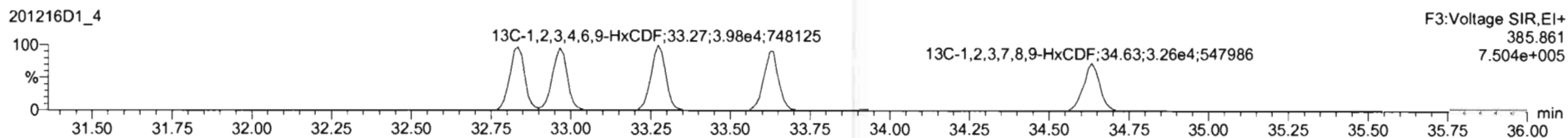
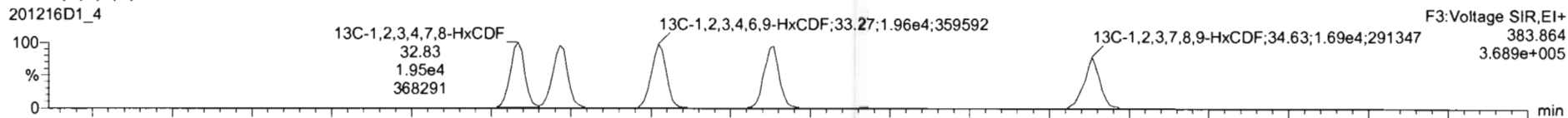
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

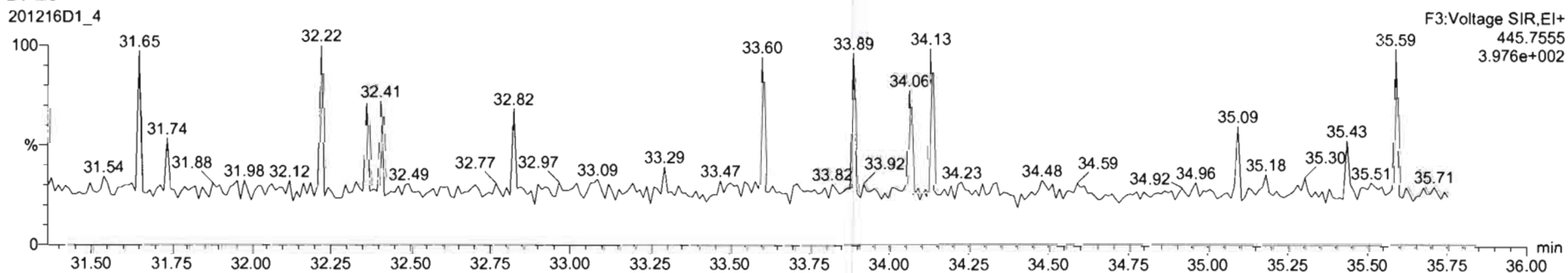
1,2,3,4,7,8-HxCDF



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



DPE3

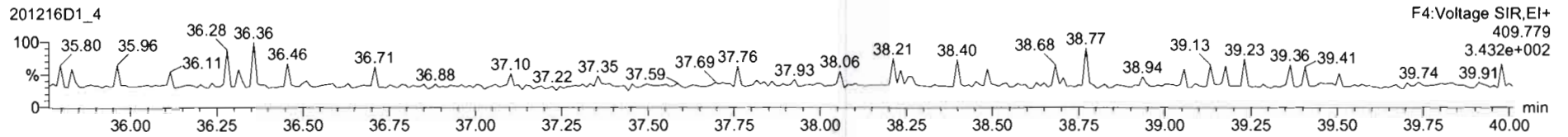
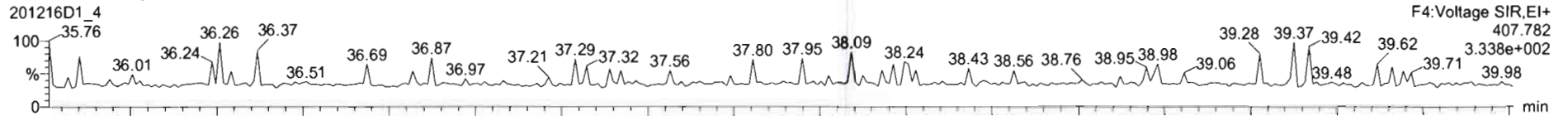


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

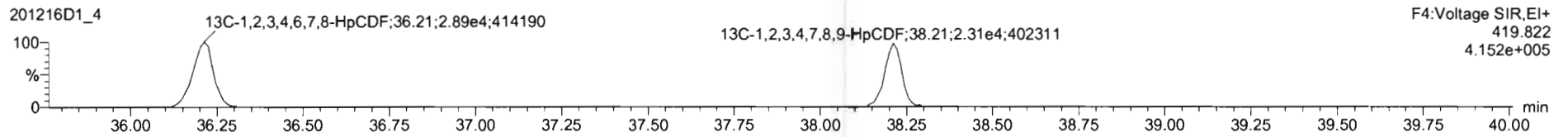
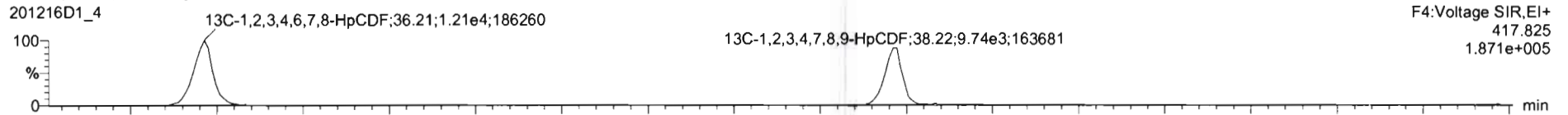
Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

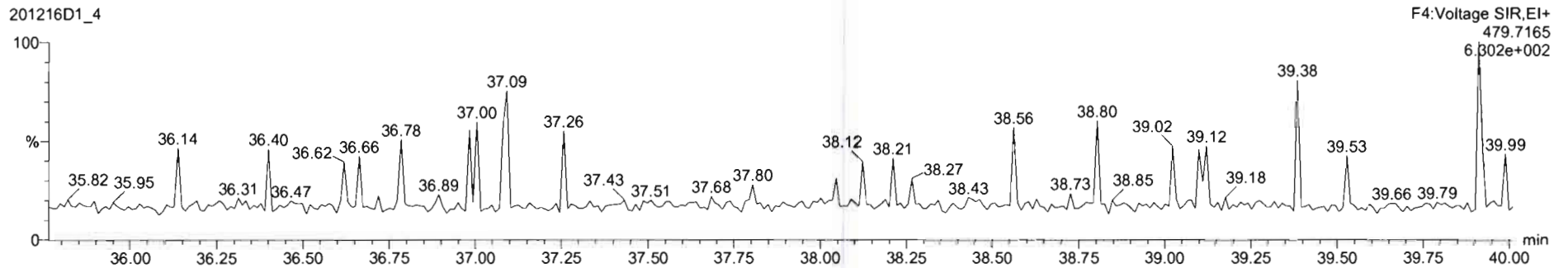
1,2,3,4,6,7,8-HpCDF



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



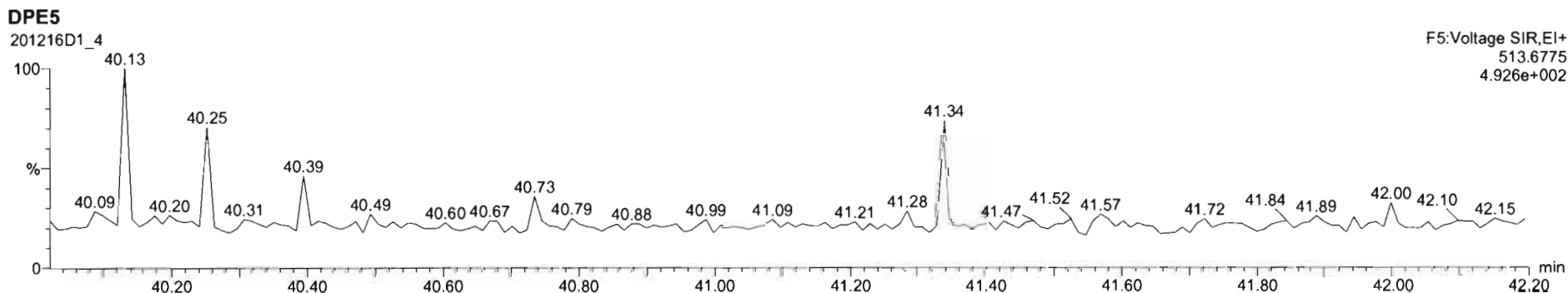
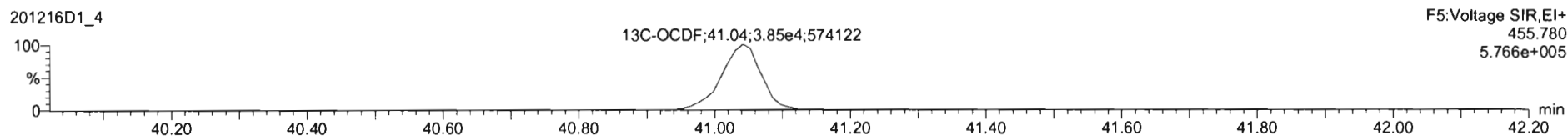
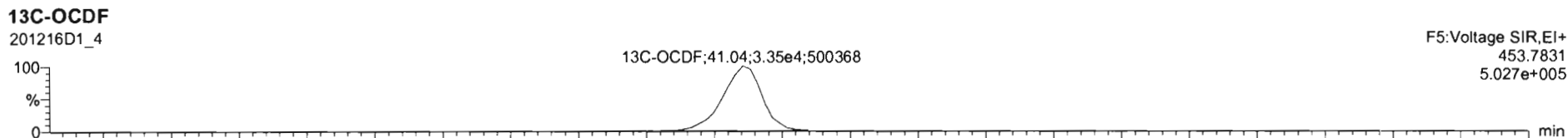
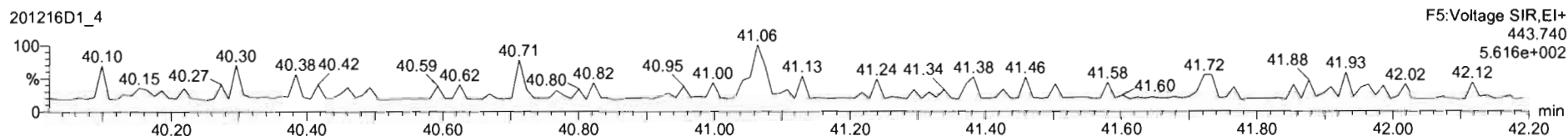
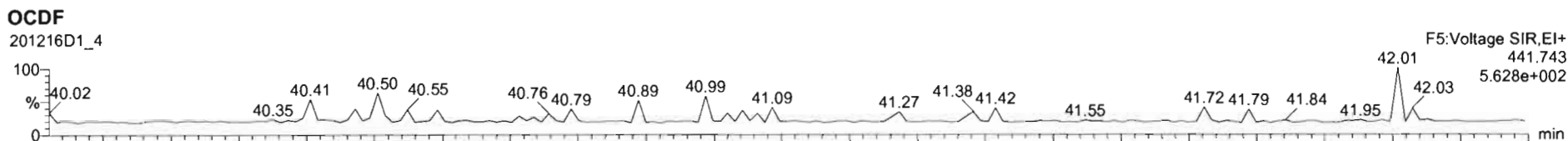
DPE4



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

Last Altered: Thursday, December 17, 2020 21:44:20 Pacific Standard Time  
Printed: Thursday, December 17, 2020 09:43:17 Pacific Standard Time

Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

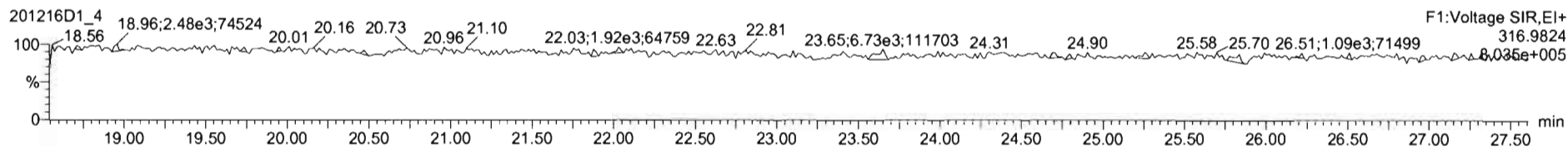


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_4.qld

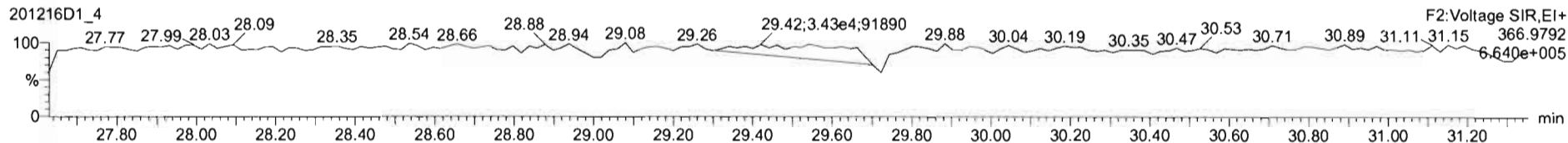
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Name: 201216D1\_4, Date: 16-Dec-2020, Time: 17:03:49, ID: B0L0042-BLK1 Method Blank 10, Description: Method Blank

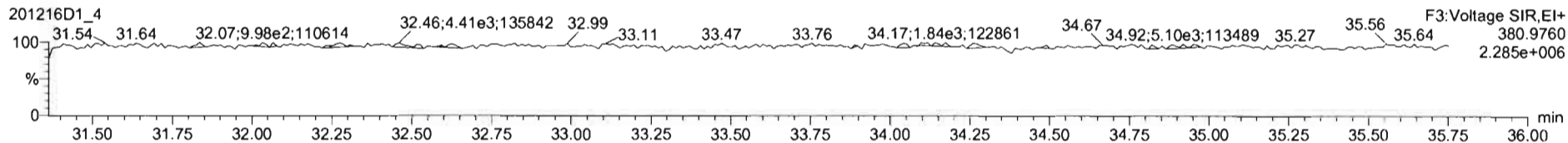
PFK1



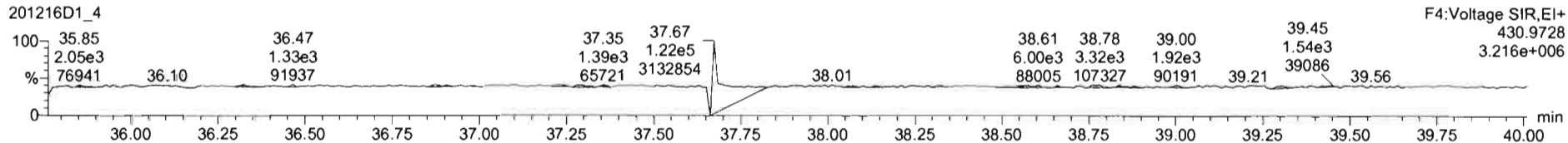
PFK2



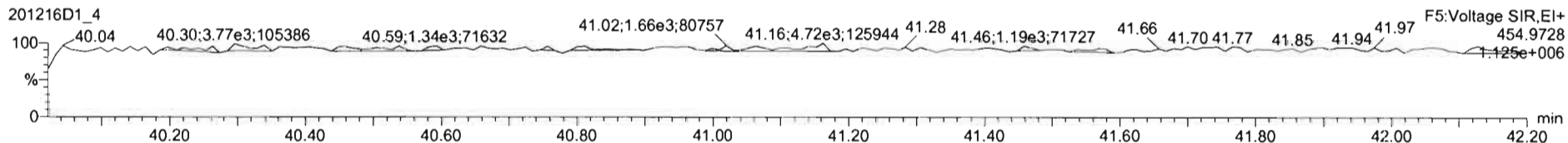
PFK3



PFK4



PFK5



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:20:17 Pacific Standard Time

*DB 12/16/20 @ 7:12/10/2020*

Method: C:\MassLynx\Default.pro\Methdb\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

#	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	8.02e3	0.73	NO	1.00	10.000	26.051	26.03	1.001	1.001	18.261	91.3 <i>67-158</i>	0.123	18.3
2	2 1,2,3,7,8-PeCDD	2.90e4	0.62	NO	0.935	10.000	30.509	30.51	1.001	1.001	93.189	93.2 <i>70-142</i>	0.194	93.2
3	3 1,2,3,4,7,8-HxCDD	2.39e4	1.28	NO	1.15	10.000	33.744	33.74	1.000	1.000	89.589	89.6 <i>70-164</i>	0.472	89.6
4	4 1,2,3,6,7,8-HxCDD	2.36e4	1.26	NO	1.02	10.000	33.855	33.87	1.000	1.000	88.990	89.0 <i>76-134</i>	0.492	89.0
5	5 1,2,3,7,8,9-HxCDD	2.46e4	1.24	NO	1.06	10.000	34.152	34.14	1.001	1.001	87.697	87.7 <i>66-162</i>	0.466	87.7
6	6 1,2,3,4,6,7,8-HpCDD	1.93e4	1.01	NO	1.00	10.000	37.564	37.56	1.000	1.000	87.209	87.2 <i>70-140</i>	0.561	87.2
7	7 OCDD	2.87e4	0.88	NO	0.952	10.000	40.713	40.72	1.000	1.000	183.28	91.6 <i>78-144</i>	0.390	183
8	8 2,3,7,8-TCDF	8.89e3	0.74	NO	1.01	10.000	25.388	25.38	1.001	1.001	15.568	77.8 <i>75-158</i>	0.0995	15.6
9	9 1,2,3,7,8-PeCDF	4.05e4	1.58	NO	0.998	10.000	29.300	29.30	1.001	1.001	87.011	87.0 <i>80-134</i>	0.272	87.0
10	10 2,3,4,7,8-PeCDF	4.63e4	1.64	NO	1.07	10.000	30.337	30.33	1.001	1.001	92.861	92.9 <i>68-166</i>	0.230	92.9
11	11 1,2,3,4,7,8-HxCDF	3.04e4	1.21	NO	1.05	10.000	32.823	32.85	1.000	1.001	92.283	92.3 <i>72-134</i>	0.425	92.3
12	12 1,2,3,6,7,8-HxCDF	3.04e4	1.24	NO	1.10	10.000	32.965	32.98	1.000	1.001	88.197	88.2 <i>84-130</i>	0.399	88.2
13	13 2,3,4,6,7,8-HxCDF	2.91e4	1.20	NO	1.09	10.000	33.658	33.64	1.001	1.000	89.157	89.2 <i>70-156</i>	0.443	89.2
14	14 1,2,3,7,8,9-HxCDF	2.68e4	1.26	NO	1.08	10.000	34.634	34.64	1.000	1.000	88.784	88.8 <i>78-130</i>	0.536	88.8
15	15 1,2,3,4,6,7,8-HpCDF	2.22e4	1.04	NO	1.13	10.000	36.239	36.21	1.001	1.000	89.040	89.0 <i>82-122</i>	0.731	89.0
16	16 1,2,3,4,7,8,9-HpCDF	1.95e4	1.01	NO	1.29	10.000	38.211	38.22	1.000	1.000	85.852	85.9 <i>78-138</i>	0.599	85.9
17	17 OCDF	3.44e4	0.88	NO	0.953	10.000	41.042	41.05	1.000	1.000	188.69	94.3 <i>63-170</i>	0.410	189
18	18 13C-2,3,7,8-TCDD	8.77e4	0.75	NO	1.17	10.000	25.943	26.02	1.026	1.029	203.34	102 <i>20-175</i>	0.738	
19	19 13C-1,2,3,7,8-PeCDD	6.65e4	0.62	NO	0.914	10.000	30.492	30.49	1.206	1.206	197.99	99.0 <i>21-227</i>	0.542	
20	20 13C-1,2,3,4,7,8-HxCDD	4.63e4	1.31	NO	0.634	10.000	33.739	33.73	1.014	1.014	227.09	114 <i>21-193</i>	0.964	
21	21 13C-1,2,3,6,7,8-HxCDD	5.18e4	1.26	NO	0.724	10.000	33.849	33.85	1.017	1.017	222.41	111 <i>25-163</i>	0.843	
22	22 13C-1,2,3,7,8,9-HxCDD	5.28e4	1.27	NO	0.716	10.000	34.118	34.12	1.025	1.025	229.10	115 <i>21-193</i>	0.853	
23	23 13C-1,2,3,4,6,7,8-HpCDD	4.41e4	1.04	NO	0.660	10.000	37.565	37.55	1.129	1.129	207.59	104 <i>26-166</i>	1.60	
24	24 13C-OCDD	6.58e4	0.89	NO	0.587	10.000	40.573	40.71	1.219	1.224	348.61	87.2 <i>13-198</i>	0.631	
25	25 13C-2,3,7,8-TCDF	1.13e5	0.75	NO	1.02	10.000	25.344	25.36	1.002	1.003	207.28	104 <i>22-152</i>	0.829	
26	26 13C-1,2,3,7,8-PeCDF	9.34e4	1.66	NO	0.842	10.000	29.223	29.28	1.156	1.158	208.36	104 <i>21-192</i>	0.717	
27	27 13C-2,3,4,7,8-PeCDF	9.29e4	1.62	NO	0.802	10.000	30.115	30.31	1.191	1.199	217.75	109 <i>13-328</i>	0.753	
28	28 13C-1,2,3,4,7,8-HxCDF	6.27e4	0.50	NO	1.00	10.000	32.874	32.82	0.988	0.986	194.33	97.2 <i>19-202</i>	0.899	
29	29 13C-1,2,3,6,7,8-HxCDF	6.27e4	0.48	NO	1.02	10.000	33.007	32.95	0.992	0.990	191.15	95.6 <i>21-159</i>	0.885	
30	30 13C-2,3,4,6,7,8-HxCDF	6.01e4	0.48	NO	0.955	10.000	33.576	33.62	1.009	1.011	195.41	97.7 <i>22-176</i>	0.944	
31	31 13C-1,2,3,7,8,9-HxCDF	5.58e4	0.49	NO	0.851	10.000	34.651	34.63	1.041	1.041	203.73	102 <i>17-205</i>	1.06	



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time

Printed: Wednesday, December 16, 2020 16:20:17 Pacific Standard Time

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	4.42e4	0.43	NO	0.848	10.000	36.168	36.20	1.087	1.088	161.82	80.9 <i>21-158</i>	1.12	
33	33 13C-1,2,3,4,7,8,9-HpCDF	3.53e4	0.41	NO	0.624	10.000	38.164	38.21	1.147	1.148	175.51	87.8 <i>20-186</i>	1.53	
34	34 13C-OCDF	7.65e4	0.85	NO	0.730	10.000	40.726	41.04	1.224	1.233	325.90	81.5 <i>13-198</i>	0.584	
35	35 37Cl-2,3,7,8-TCDD	3.18e4			1.21	10.000	25.941	26.03	1.026	1.030	71.549	89.4 <i>31-191</i>	0.101	
36	36 13C-1,2,3,4-TCDD	7.35e4	0.78	NO	1.00	10.000	25.300	25.29	1.000	1.000	200.00	100	0.866	
37	37 13C-1,2,3,4-TCDF	1.06e5	0.77	NO	1.00	10.000	23.880	23.88	1.000	1.000	200.00	100	0.847	
38	38 13C-1,2,3,4,6,9-HxCDF	6.44e4	0.49	NO	1.00	10.000	33.310	33.27	1.000	1.000	200.00	100	0.901	

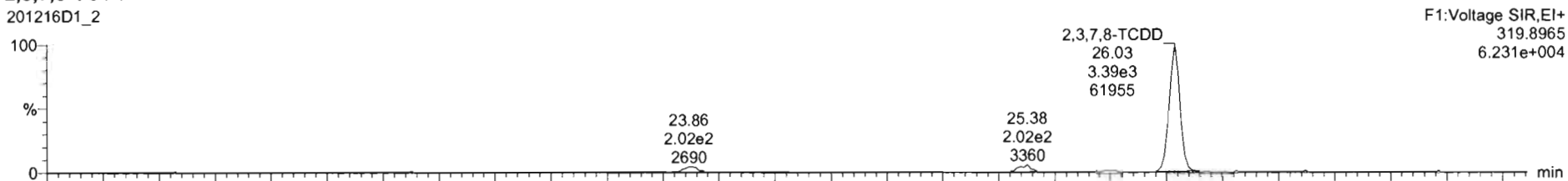
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

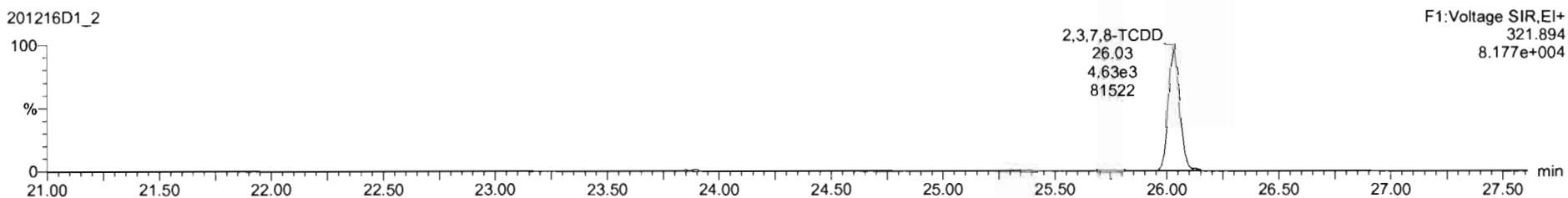
Method: C:\MassLynx\Default.pro\Methdb\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

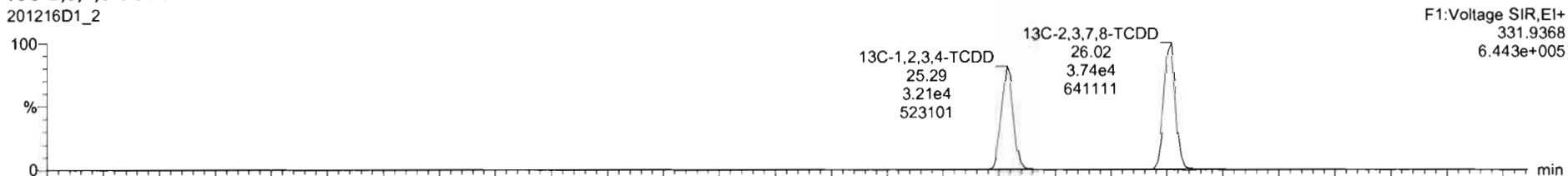
**2,3,7,8-TCDD**  
201216D1\_2



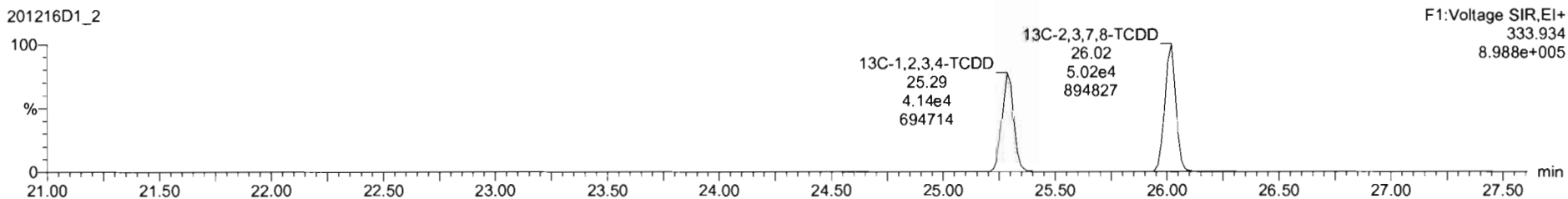
201216D1\_2



**13C-2,3,7,8-TCDD**  
201216D1\_2



201216D1\_2



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

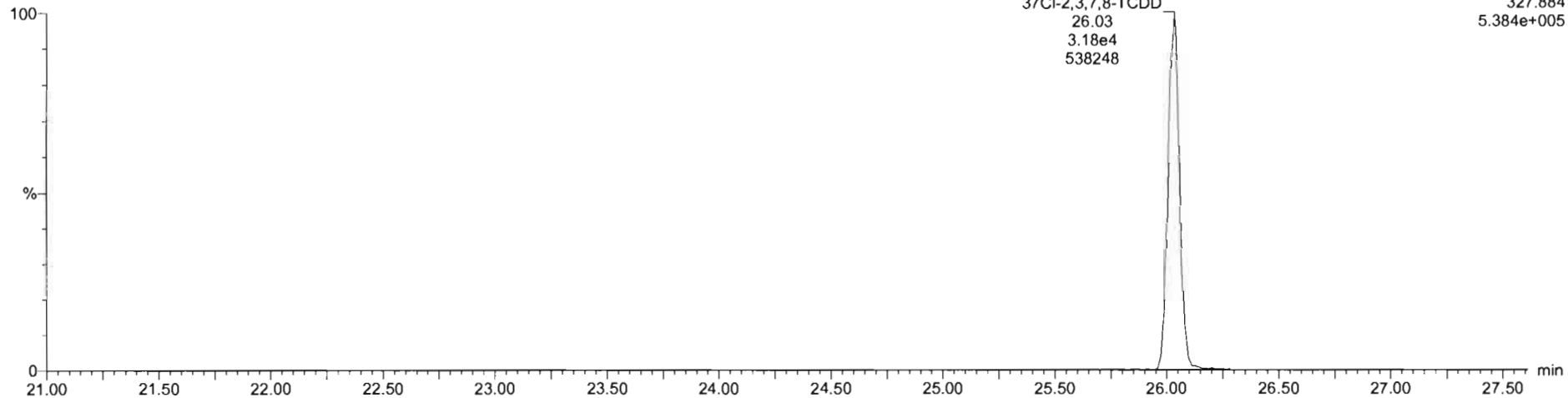
Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

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

201216D1\_2

37Cl-2,3,7,8-TCDD  
26.03  
3.18e4  
538248

F1:Voltage SIR,EI+  
327.884  
5.384e+005



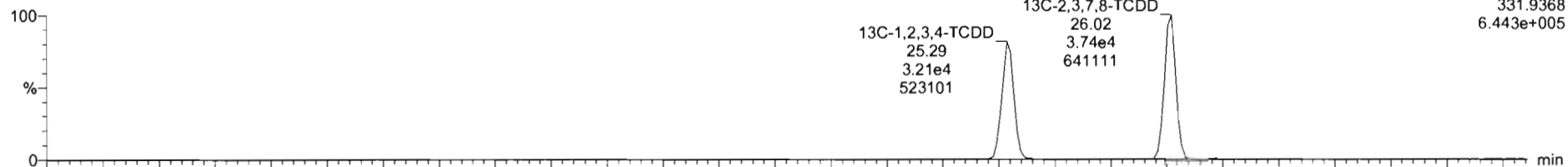
**13C-1,2,3,4-TCDD**

201216D1\_2

13C-1,2,3,4-TCDD  
25.29  
3.21e4  
523101

13C-2,3,7,8-TCDD  
26.02  
3.74e4  
641111

F1:Voltage SIR,EI+  
331.9368  
6.443e+005

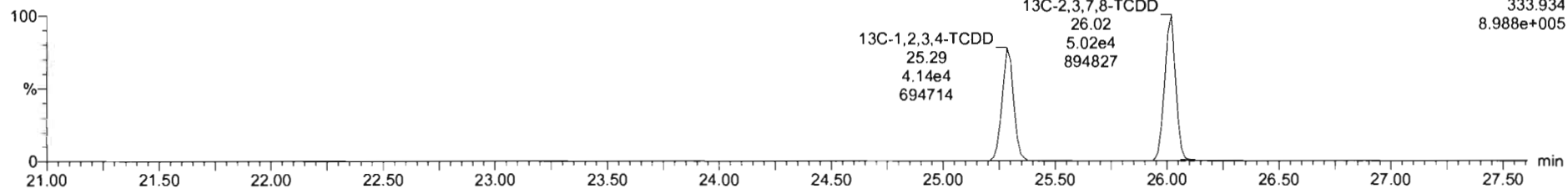


201216D1\_2

13C-1,2,3,4-TCDD  
25.29  
4.14e4  
694714

13C-2,3,7,8-TCDD  
26.02  
5.02e4  
894827

F1:Voltage SIR,EI+  
333.934  
8.988e+005



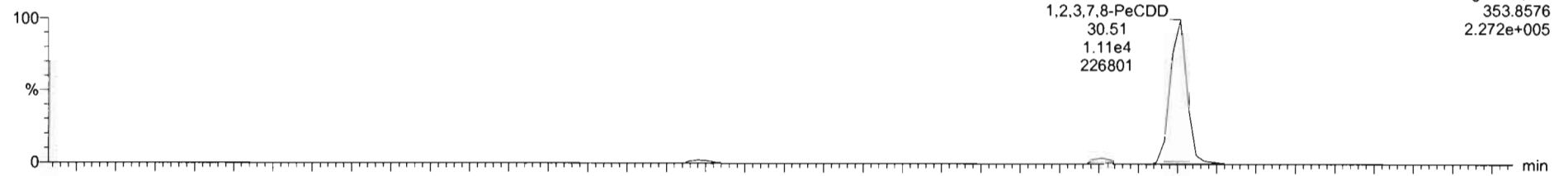
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

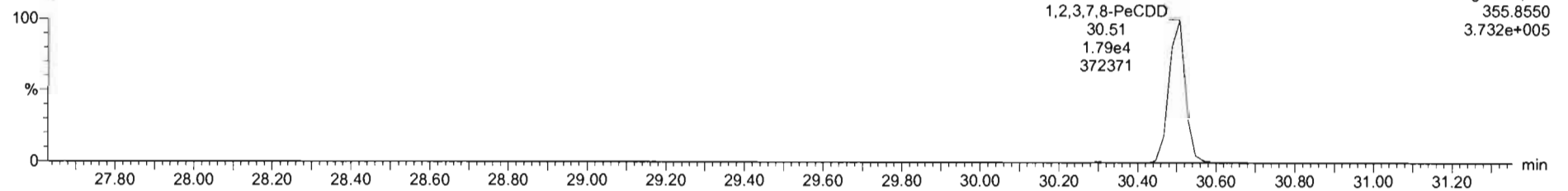
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1,2,3,7,8-PeCDD

201216D1\_2

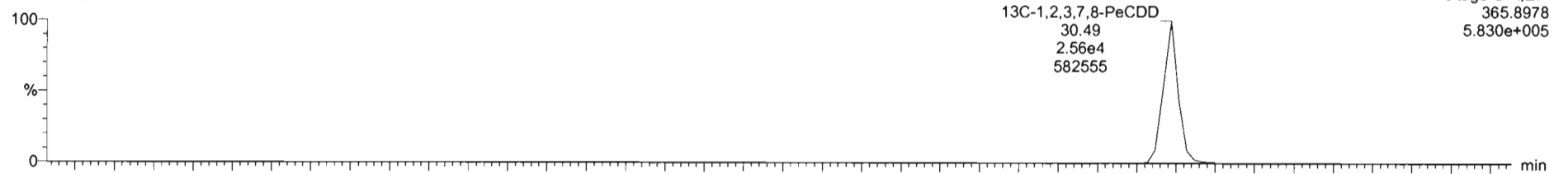


201216D1\_2

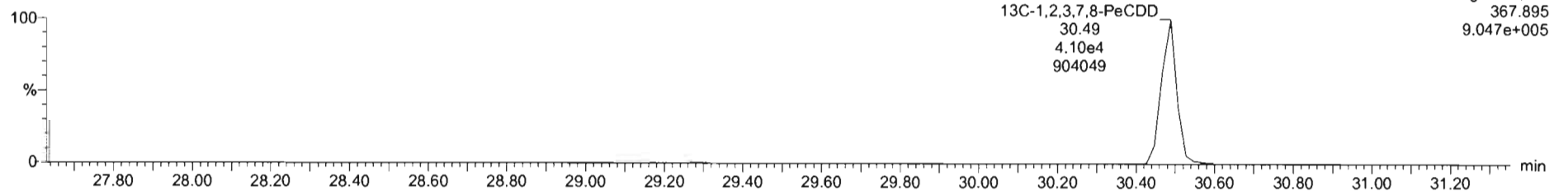


13C-1,2,3,7,8-PeCDD

201216D1\_2



201216D1\_2



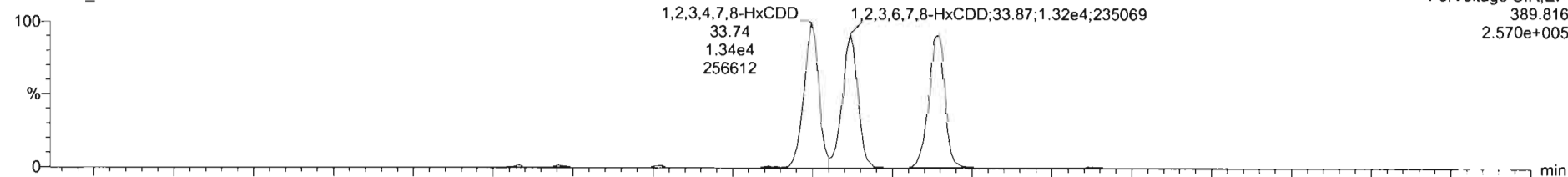
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

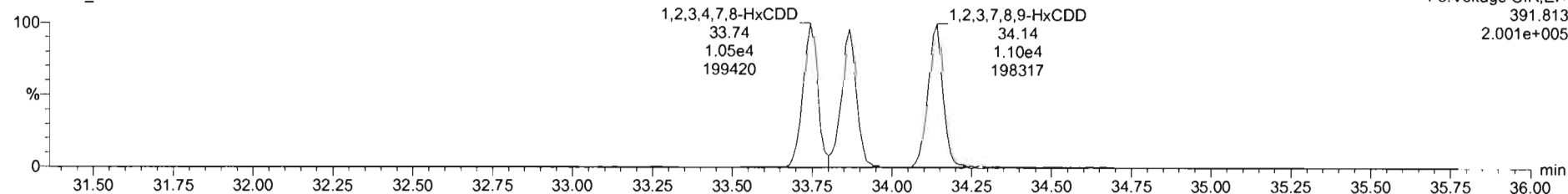
1,2,3,4,7,8-HxCDD

201216D1\_2



F3:Voltage SIR,EI+  
389.816  
2.570e+005

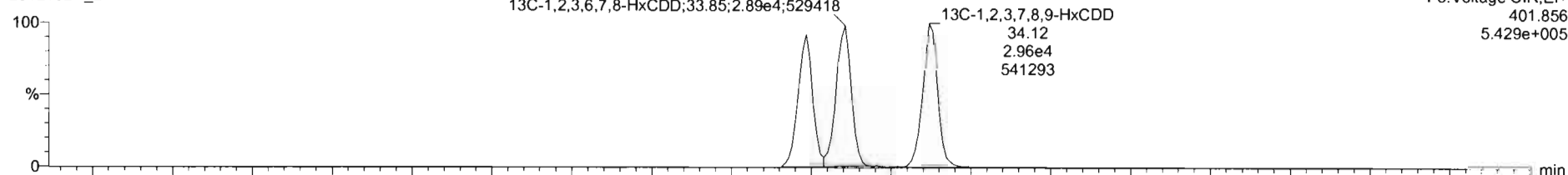
201216D1\_2



F3:Voltage SIR,EI+  
391.813  
2.001e+005

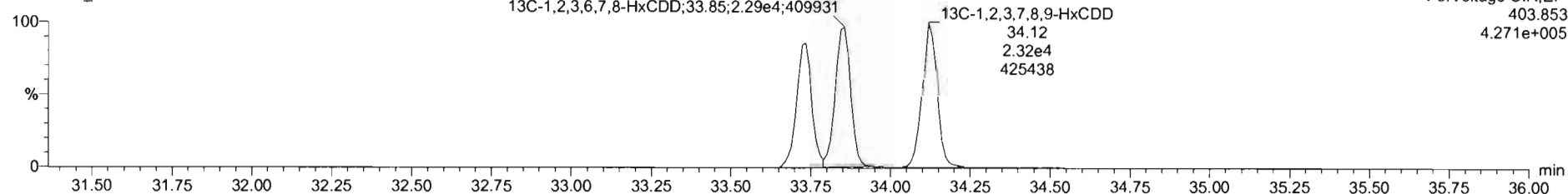
13C-1,2,3,4,7,8-HxCDD

201216D1\_2



F3:Voltage SIR,EI+  
401.856  
5.429e+005

201216D1\_2



F3:Voltage SIR,EI+  
403.853  
4.271e+005

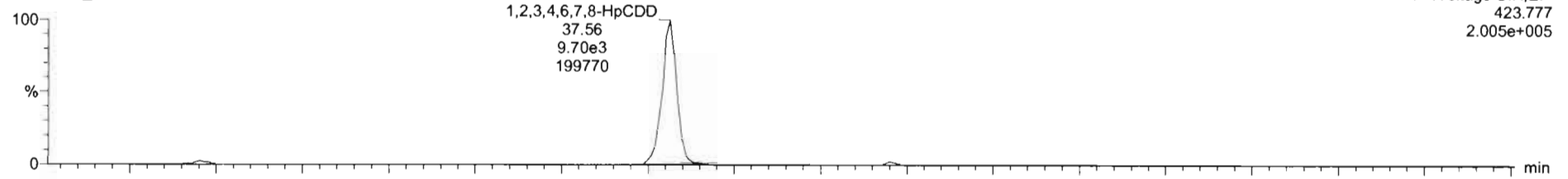
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

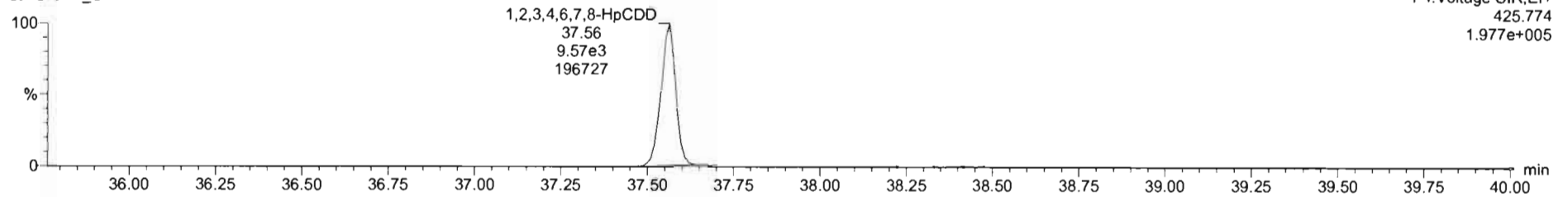
Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

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

201216D1\_2

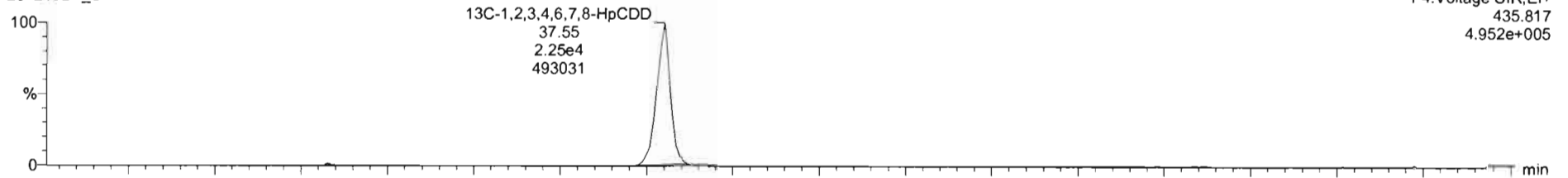


201216D1\_2

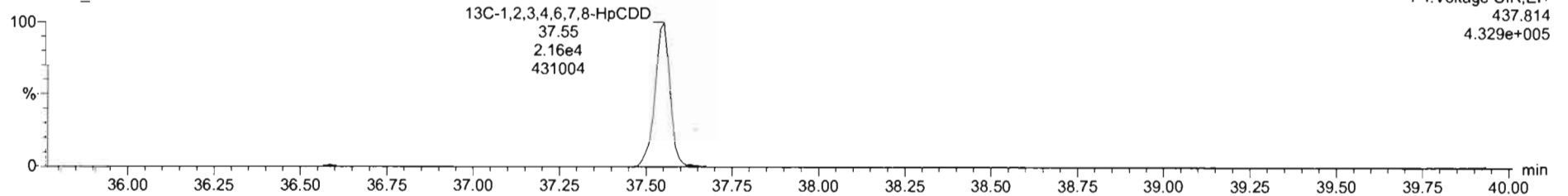


**13C-1,2,3,4,6,7,8-HpCDD**

201216D1\_2



201216D1\_2



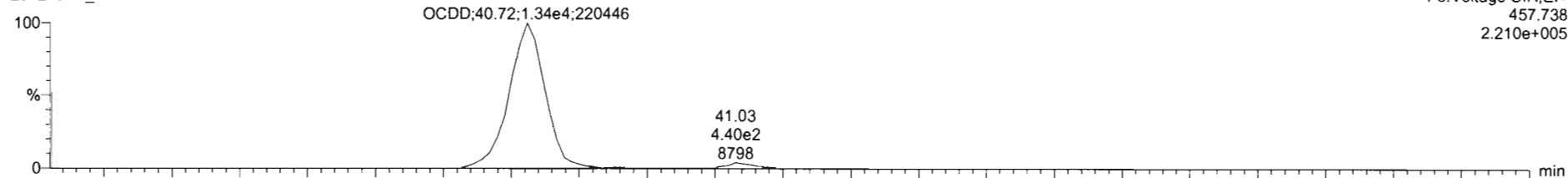
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

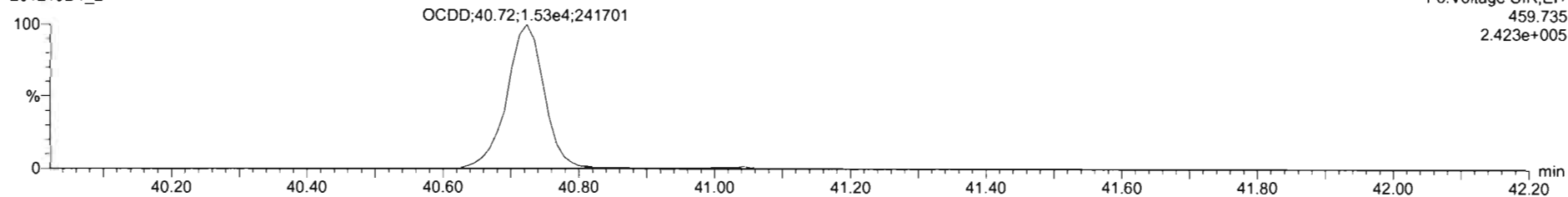
Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

**OCDD**

201216D1\_2

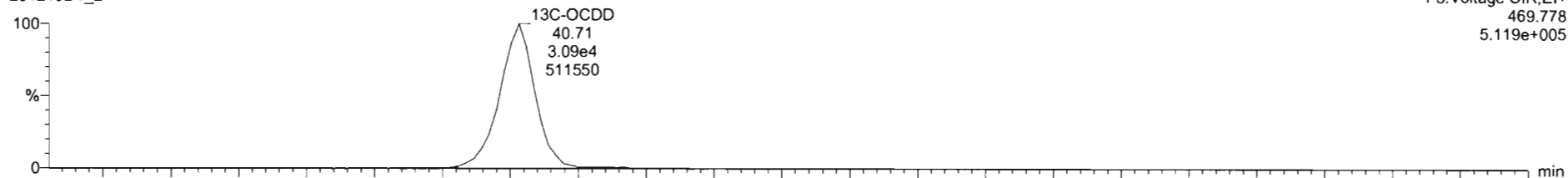


201216D1\_2

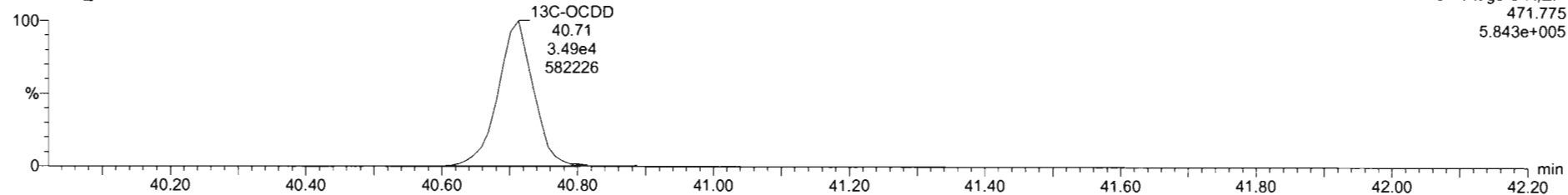


**13C-OCDD**

201216D1\_2



201216D1\_2



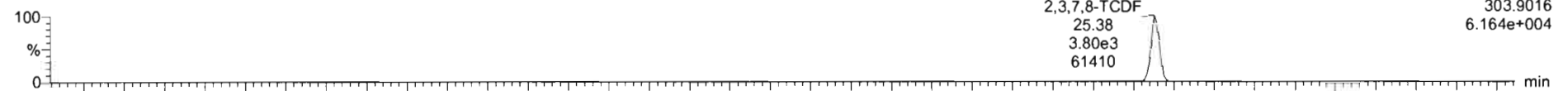
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

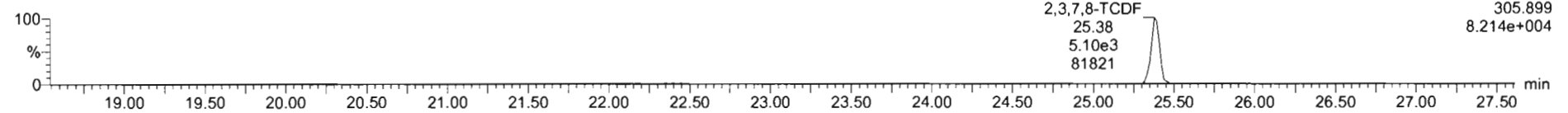
Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

**2,3,7,8-TCDF**

201216D1\_2

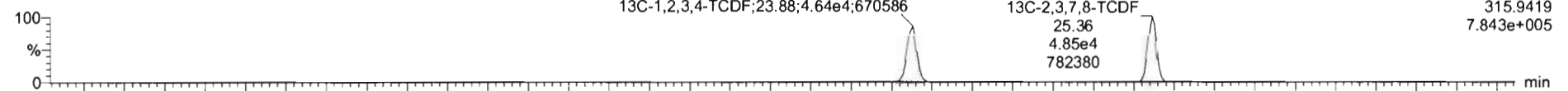


201216D1\_2

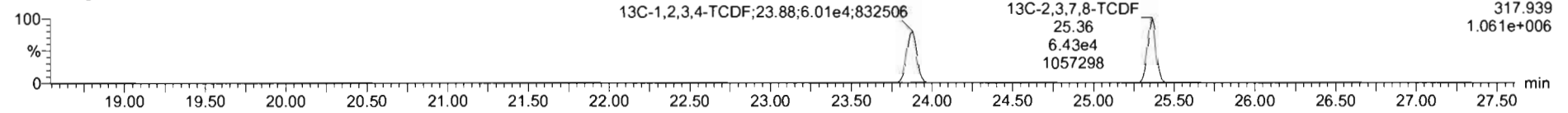


**13C-2,3,7,8-TCDF**

201216D1\_2

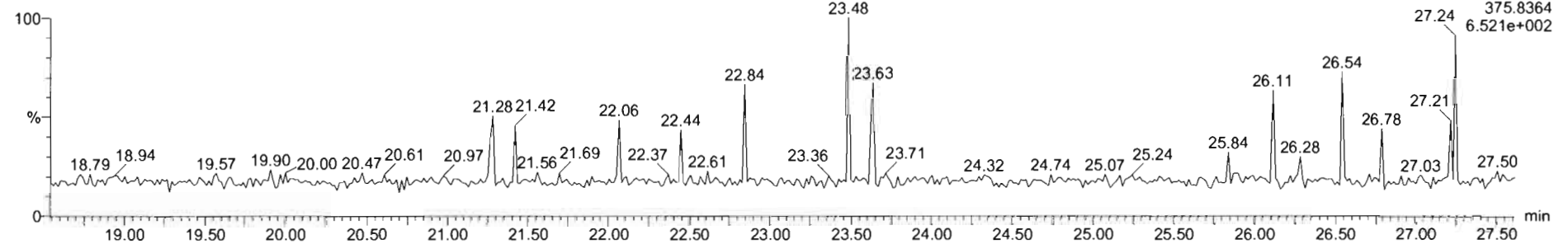


201216D1\_2



**DPE1**

201216D1\_2





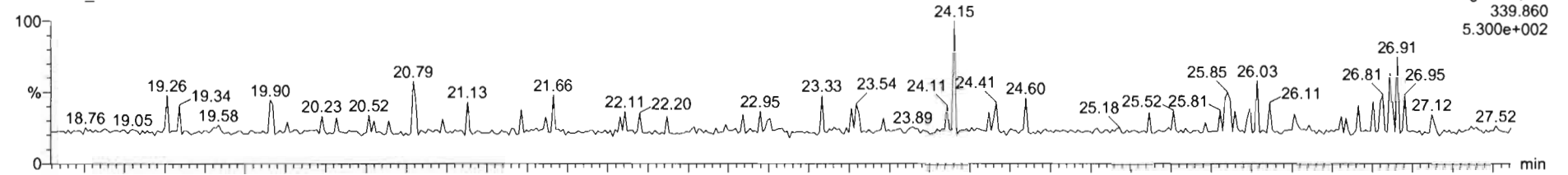
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

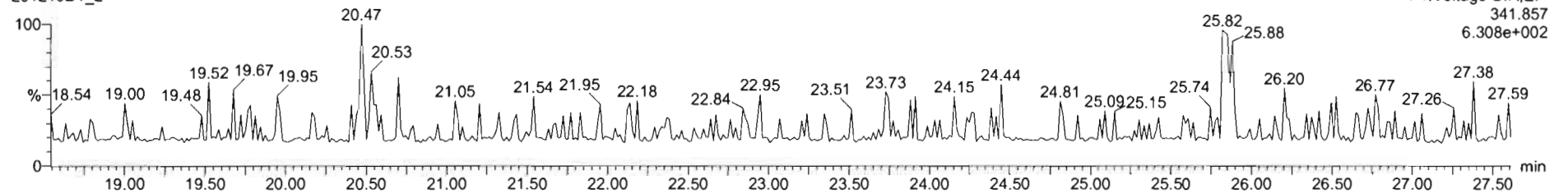
Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

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201216D1\_2

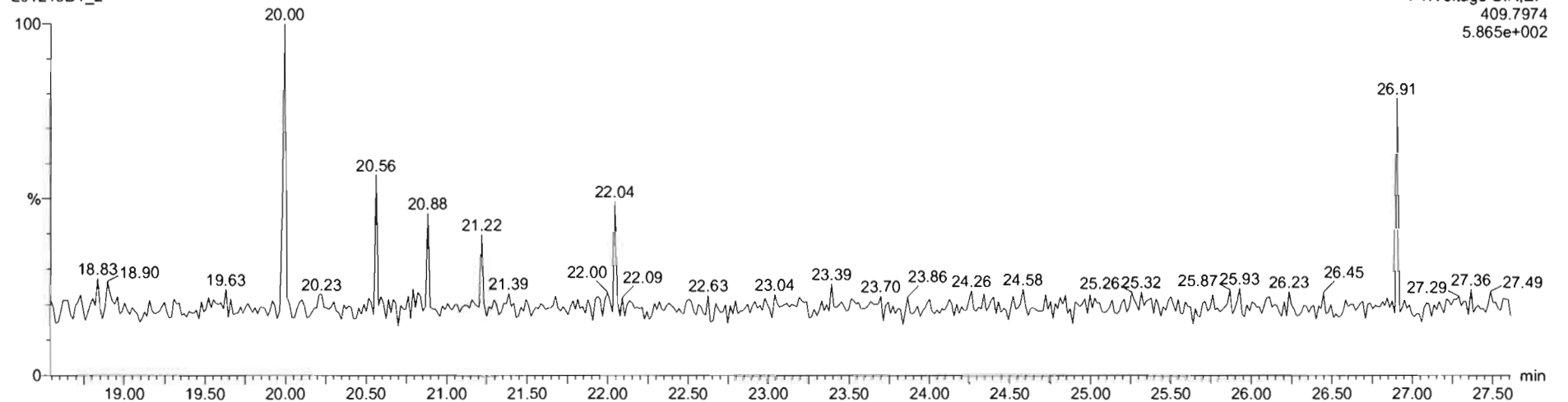


201216D1\_2



DPE6

201216D1\_2



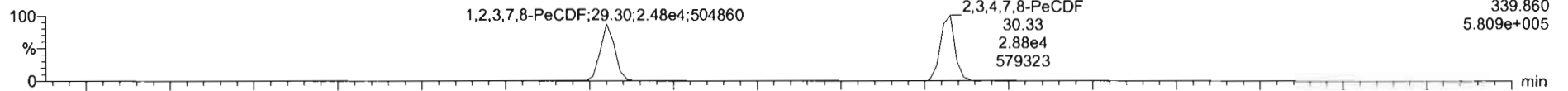
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

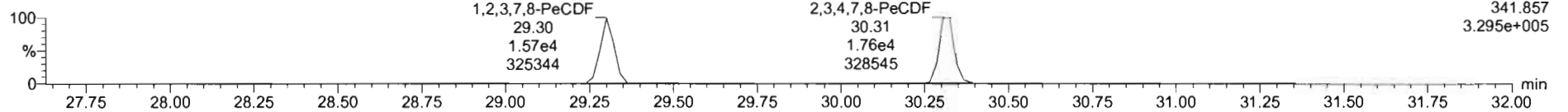
**1,2,3,7,8-PeCDF**

201216D1\_2



F2:Voltage SIR,EI+  
339.860  
5.809e+005

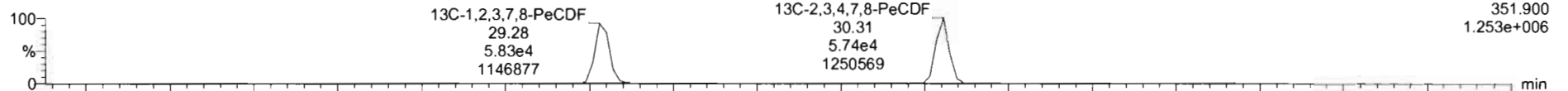
201216D1\_2



F2:Voltage SIR,EI+  
341.857  
3.295e+005

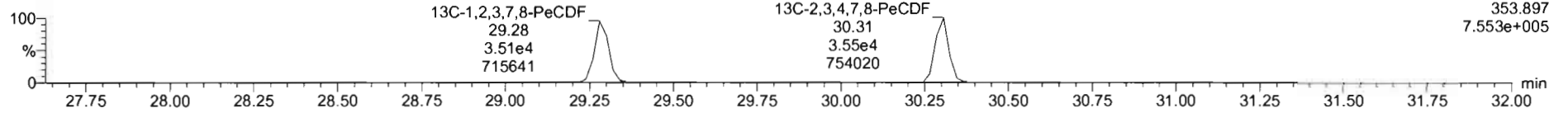
**13C-1,2,3,7,8-PeCDF**

201216D1\_2



F2:Voltage SIR,EI+  
351.900  
1.253e+006

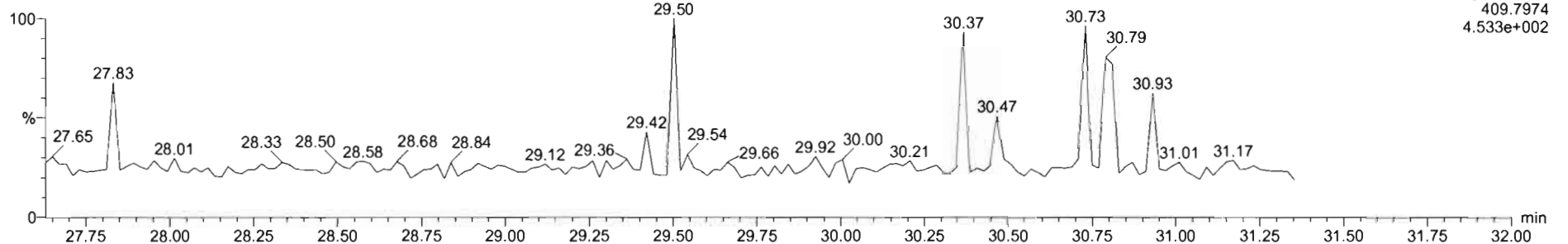
201216D1\_2



F2:Voltage SIR,EI+  
353.897  
7.553e+005

**DPE2**

201216D1\_2



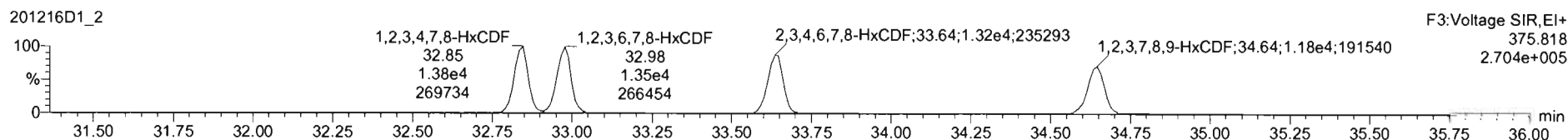
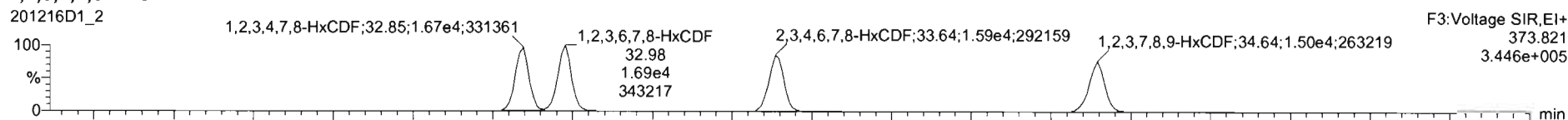
F2:Voltage SIR,EI+  
409.7974  
4.533e+002

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

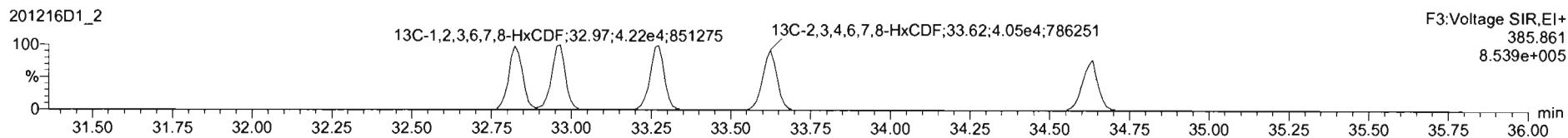
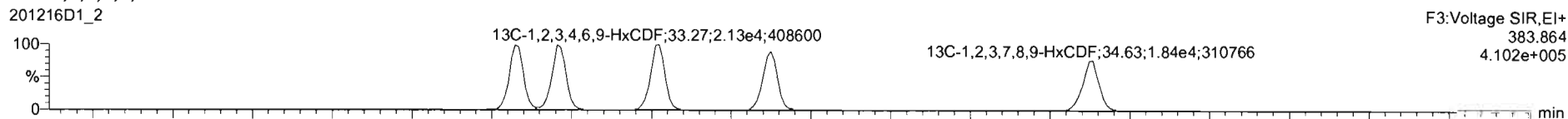
Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

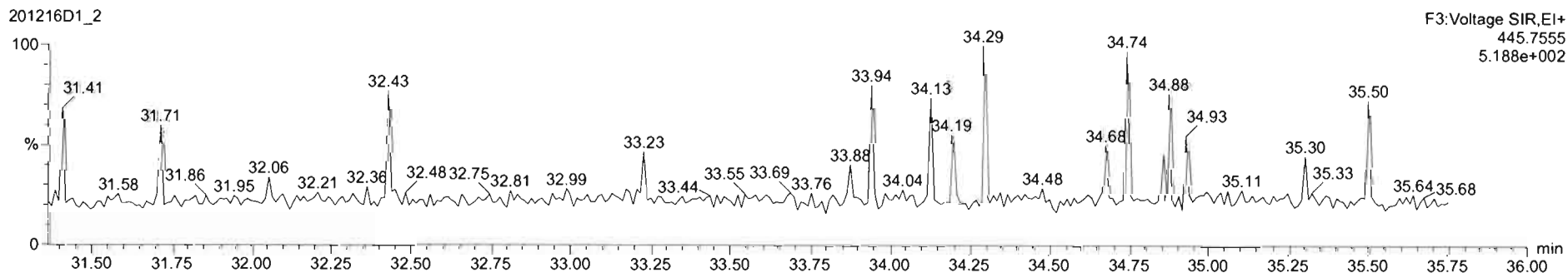
1,2,3,4,7,8-HxCDF



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



DPE3

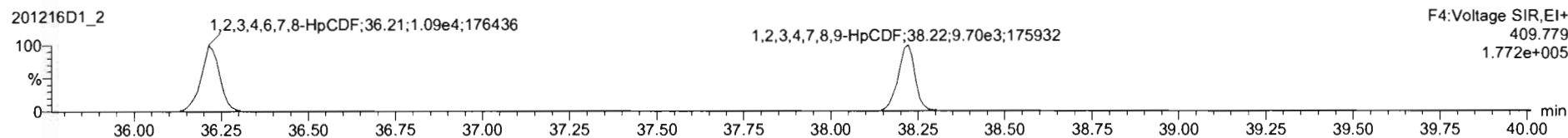
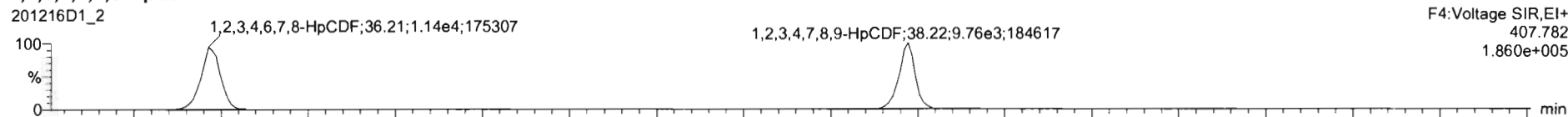


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

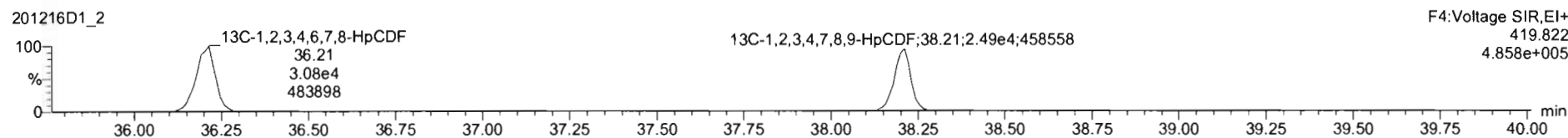
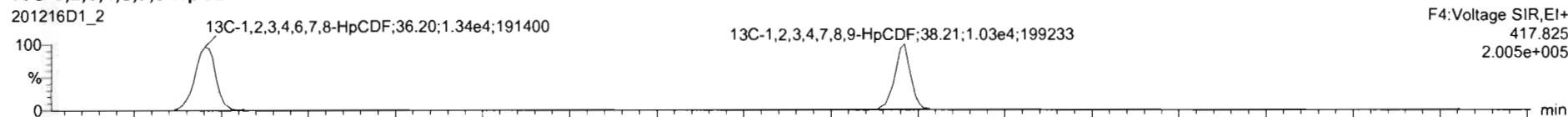
Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

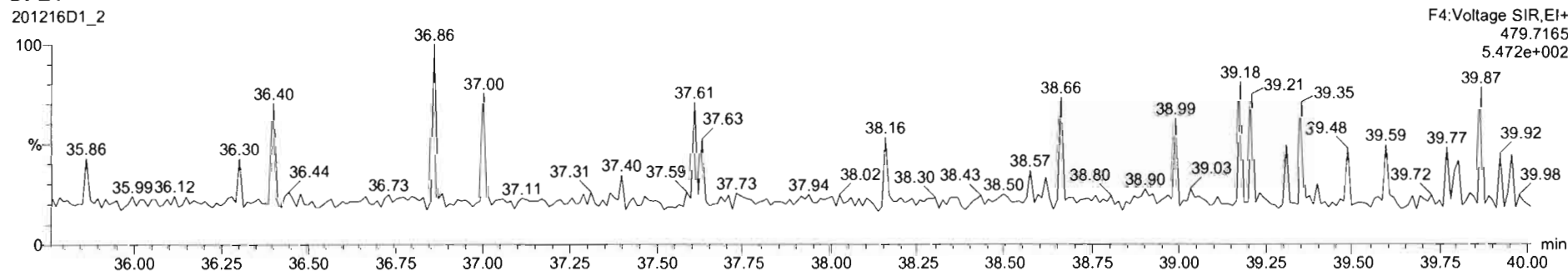
**1,2,3,4,6,7,8-HpCDF**



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



**DPE4**



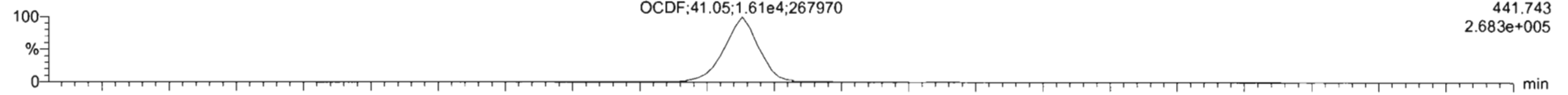
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

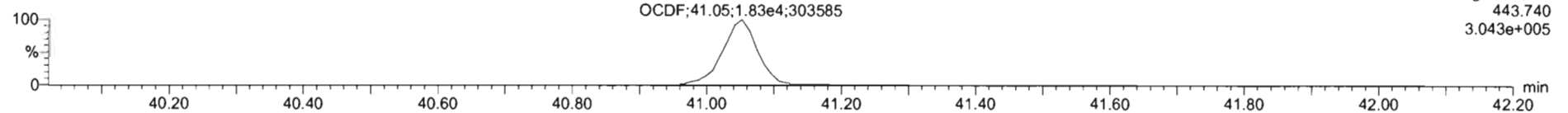
Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR

**OCDF**

201216D1\_2

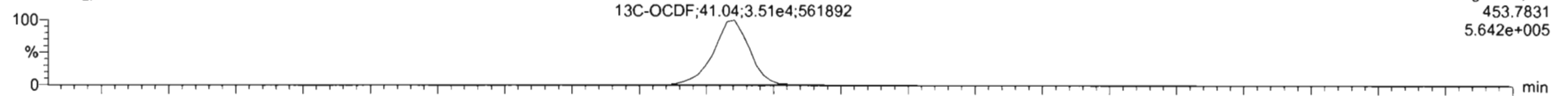


201216D1\_2

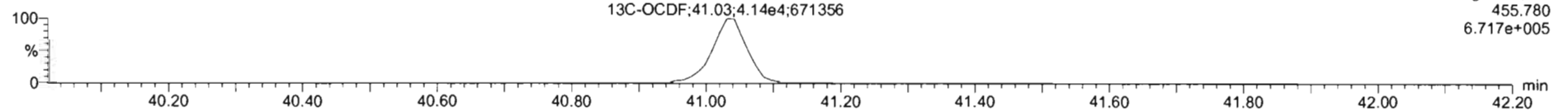


**13C-OCDF**

201216D1\_2

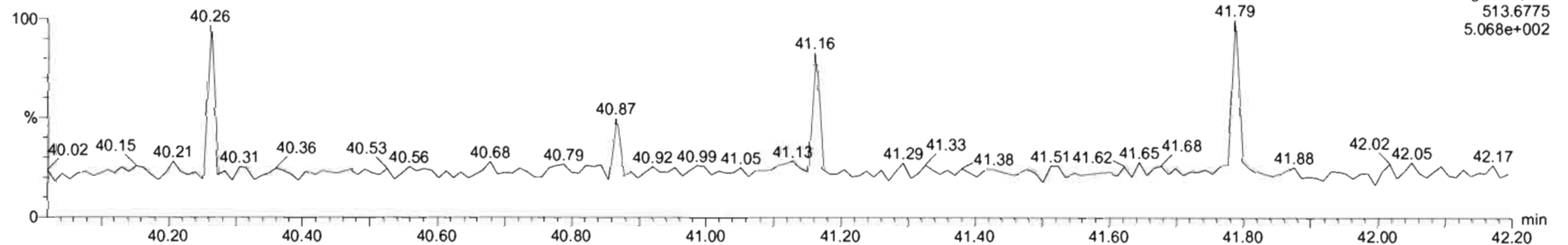


201216D1\_2



**DPE5**

201216D1\_2

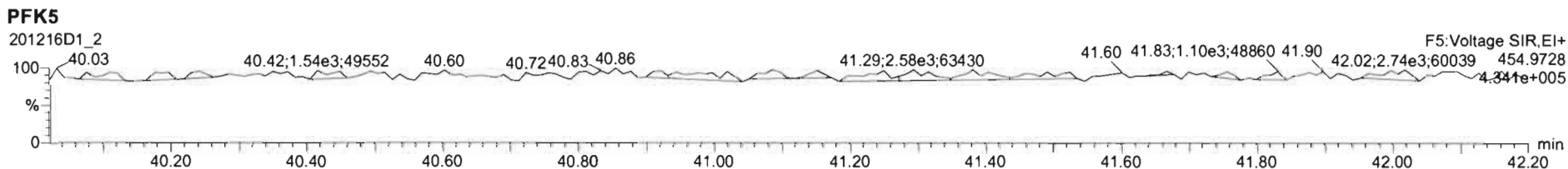
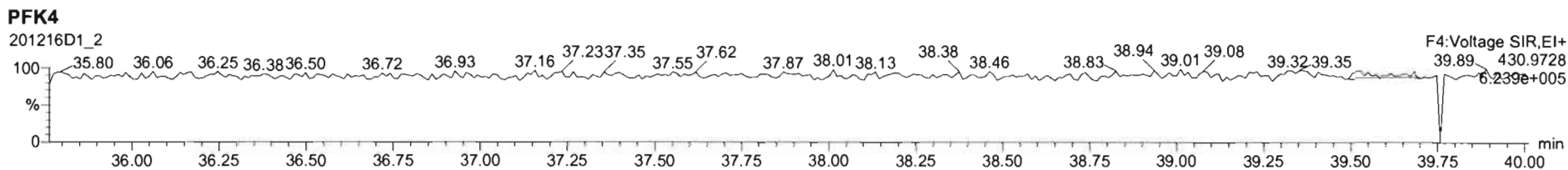
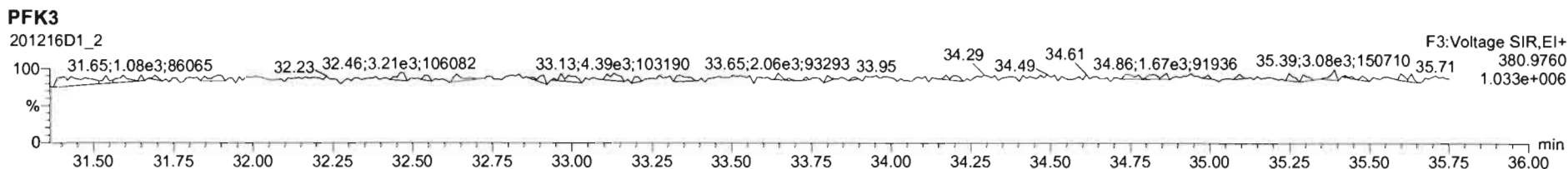
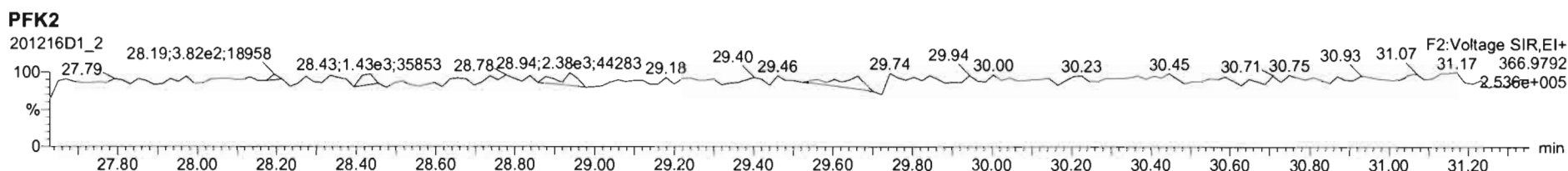
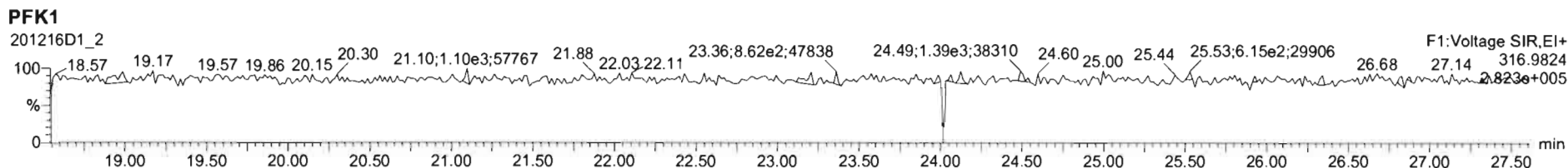


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_2.qld

Last Altered: Wednesday, December 16, 2020 16:19:12 Pacific Standard Time

Printed: Wednesday, December 16, 2020 16:19:49 Pacific Standard Time

Name: 201216D1\_2, Date: 16-Dec-2020, Time: 15:31:24, ID: B0L0042-BS1 OPR 10, Description: OPR



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_3.qld

Last Altered: Monday, December 21, 2020 14:04:06 Pacific Standard Time  
Printed: Monday, December 21, 2020 14:05:04 Pacific Standard Time

*DB 12/21/20*

Method: C:\MassLynx\Default.pro\Methdb\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

*7/11/20  
12/21/20*

Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

#	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			NO	1.00	10.096	26.051		1.001				0.200	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.096	30.508		1.001				0.251	
3	3 1,2,3,4,7,8-HxCDD	3.42e2	1.36	NO	1.15	10.096	33.744	33.77	1.000	1.001	0.93361		0.529	0.934
4	4 1,2,3,6,7,8-HxCDD	2.13e3	1.24	NO	1.02	10.096	33.854	33.88	1.000	1.001	5.6663		0.554	5.67
5	5 1,2,3,7,8,9-HxCDD	7.08e2	1.18	NO	1.06	10.096	34.163	34.15	1.001	1.001	1.9017		0.596	1.90
6	6 1,2,3,4,6,7,8-HpCDD	3.77e4	1.04	NO	1.00	10.096	37.563	37.56	1.000	1.000	124.14		1.69	124
7	7 OCDD	2.78e5	0.86	NO	0.952	10.096	40.713	40.73	1.000	1.001	1194.5		1.00	1190
8	8 2,3,7,8-TCDF	1.08e4	0.71	NO	1.01	10.096	25.387	25.39	1.001	1.001	13.879		0.257	13.9
9	9 1,2,3,7,8-PeCDF	3.14e4	1.62	NO	0.998	10.096	29.300	29.30	1.001	1.001	50.396		0.412	50.4
10	10 2,3,4,7,8-PeCDF	1.26e4	1.60	NO	1.07	10.096	30.336	30.33	1.001	1.001	18.882		0.330	18.9
11	11 1,2,3,4,7,8-HxCDF	3.75e4	1.22	NO	1.05	10.096	32.823	32.85	1.000	1.001	77.348		0.442	77.3
12	12 1,2,3,6,7,8-HxCDF	8.57e3	1.21	NO	1.10	10.096	32.965	32.98	1.000	1.001	16.412		0.453	16.4
13	13 2,3,4,6,7,8-HxCDF	2.52e3	1.27	NO	1.09	10.096	33.658	33.65	1.001	1.001	5.2124		0.482	5.21
14	14 1,2,3,7,8,9-HxCDF	6.74e2	1.30	NO	1.08	10.096	34.633	34.64	1.000	1.000	1.5975		0.626	1.60
15	15 1,2,3,4,6,7,8-HpCDF	1.29e4	1.03	NO	1.13	10.096	36.250	36.22	1.001	1.000	33.248		0.638	33.2
16	16 1,2,3,4,7,8,9-HpCDF	3.56e3	1.10	NO	1.29	10.096	38.211	38.23	1.000	1.001	10.556		0.603	10.6
17	17 OCDF	2.45e4	0.87	NO	0.953	10.096	41.042	41.05	1.000	1.000	90.255		0.454	90.3
18	18 13C-2,3,7,8-TCDD	1.14e5	0.77	NO	1.17	10.096	25.959	26.02	1.026	1.028	200.27	101	1.16	
19	19 13C-1,2,3,7,8-PeCDD	8.62e4	0.61	NO	0.914	10.096	30.510	30.49	1.206	1.205	195.09	98.5	0.567	
20	20 13C-1,2,3,4,7,8-HxCDD	6.31e4	1.28	NO	0.634	10.096	33.739	33.73	1.014	1.014	216.55	109	1.34	
21	21 13C-1,2,3,6,7,8-HxCDD	7.27e4	1.25	NO	0.724	10.096	33.849	33.85	1.017	1.017	218.33	110	1.17	
22	22 13C-1,2,3,7,8,9-HxCDD	6.95e4	1.27	NO	0.716	10.096	34.118	34.13	1.025	1.026	211.30	107	1.18	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.01e4	1.07	NO	0.660	10.096	37.565	37.55	1.129	1.129	197.96	99.9	1.64	
24	24 13C-OCDD	9.67e4	0.87	NO	0.587	10.096	40.573	40.71	1.219	1.224	358.75	90.5	1.01	
25	25 13C-2,3,7,8-TCDF	1.52e5	0.74	NO	1.02	10.096	25.359	25.36	1.002	1.002	196.05	99.0	0.800	
26	26 13C-1,2,3,7,8-PeCDF	1.24e5	1.58	NO	0.842	10.096	29.240	29.28	1.156	1.157	193.63	97.7	0.642	
27	27 13C-2,3,4,7,8-PeCDF	1.23e5	1.60	NO	0.802	10.096	30.133	30.31	1.191	1.198	202.95	102	0.675	
28	28 13C-1,2,3,4,7,8-HxCDF	9.14e4	0.51	NO	1.00	10.096	32.874	32.82	0.988	0.986	198.29	100	1.17	
29	29 13C-1,2,3,6,7,8-HxCDF	9.41e4	0.50	NO	1.02	10.096	33.007	32.96	0.992	0.990	200.93	101	1.15	
30	30 13C-2,3,4,6,7,8-HxCDF	8.80e4	0.51	NO	0.955	10.096	33.576	33.62	1.009	1.011	200.35	101	1.23	
31	31 13C-1,2,3,7,8,9-HxCDF	7.73e4	0.48	NO	0.851	10.096	34.651	34.63	1.041	1.041	197.51	99.7	1.38	

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_3.qld

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Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	6.82e4	0.41	NO	0.848	10.096	36.168	36.21	1.087	1.088	174.70	88.2	1.33	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.19e4	0.43	NO	0.624	10.096	38.164	38.21	1.147	1.148	180.79	91.3	1.80	
34	34 13C-OCDF	1.13e5	0.87	NO	0.730	10.096	40.726	41.04	1.224	1.233	336.10	84.8	0.932	
35	35 37Cl-2,3,7,8-TCDD	4.12e4			1.21	10.096	25.956	26.03	1.026	1.029	70.563	89.0	0.158	
36	36 13C-1,2,3,4-TCDD	9.58e4	0.77	NO	1.00	10.096	25.300	25.30	1.000	1.000	198.10	100	1.36	
37	37 13C-1,2,3,4-TCDF	1.50e5	0.76	NO	1.00	10.096	23.880	23.88	1.000	1.000	198.10	100	0.817	
38	38 13C-1,2,3,4,6,9-HxCDF	9.11e4	0.51	NO	1.00	10.096	33.310	33.27	1.000	1.000	198.10	100	1.17	
39	39 Total Tetra-Dioxins				1.00	10.096	24.620		0.000		2.3420		0.200	2.34
40	40 Total Penta-Dioxins				0.935	10.096	29.960		0.000		1.5466		0.251	3.47
41	41 Total Hexa-Dioxins				1.02	10.096	33.635		0.000		23.266		0.588	36.3
42	42 Total Hepta-Dioxins				1.00	10.096	37.640		0.000		273.25		1.69	273
43	43 Total Tetra-Furans				1.01	10.096	23.610		0.000		31.127		0.257	33.5
44	44 1st Func. Penta-Furans				0.998	10.096	26.750		0.000		5.7569		0.0894	5.76
45	45 Total Penta-Furans				0.998	10.096	29.275		0.000		99.798		0.383	99.8
46	46 Total Hexa-Furans				1.09	10.096	33.555		0.000		141.81		0.492	142
47	47 Total Hepta-Furans				1.13	10.096	37.835		0.000		97.913		0.659	97.9



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Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_3.qld

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Method: C:\MassLynx\Default.pro\Methdb\1613\_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.44	3.673e3	3.666e3	2.934e2	3.315e2	0.89	NO	6.248e2	1.0877	1.0877	0.200
2	Total Tetra-Dioxins	25.77	5.256e3	5.918e3	3.244e2	3.962e2	0.82	NO	7.206e2	1.2543	1.2543	0.200

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.31	3.065e3	5.229e3	2.607e2	3.687e2	0.71	NO	6.294e2	1.5466	1.5466	0.251
2	Total Penta-Dioxins	28.80	2.000e3	2.543e3	7.583e1	1.572e2	0.48	YES	0.000e0	0.00000	0.48214	0.251
3	Total Penta-Dioxins	29.48	2.193e3	2.562e3	2.072e2	2.315e2	0.90	YES	0.000e0	0.00000	0.92728	0.251
4	Total Penta-Dioxins	29.76	1.948e3	2.300e3	1.151e2	1.286e2	0.90	YES	0.000e0	0.00000	0.51512	0.251

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.10	4.269e4	3.305e4	2.247e3	1.728e3	1.30	NO	3.976e3	11.241	11.241	0.588
2	Total Hexa-Dioxins	32.71	4.512e3	4.500e3	2.559e2	2.295e2	1.11	NO	4.855e2	1.3726	1.3726	0.588
3	Total Hexa-Dioxins	32.98	4.554e4	3.085e4	3.021e3	2.060e3	1.47	YES	0.000e0	0.00000	13.046	0.588
4	Total Hexa-Dioxins	33.09	4.876e3	4.069e3	2.778e2	2.320e2	1.20	NO	5.098e2	1.4414	1.4414	0.588
5	1,2,3,4,7,8-HxCDD	33.77	3.452e3	2.794e3	1.975e2	1.449e2	1.36	NO	3.425e2	0.93361	0.93361	0.529
6	1,2,3,6,7,8-HxCDD	33.88	1.773e4	1.502e4	1.180e3	9.486e2	1.24	NO	2.129e3	5.6663	5.6663	0.554
7	Total Hexa-Dioxins	34.02	2.498e3	1.855e3	1.395e2	1.112e2	1.25	NO	2.507e2	0.70876	0.70876	0.588
8	1,2,3,7,8,9-HxCDD	34.15	5.072e3	4.948e3	3.829e2	3.253e2	1.18	NO	7.082e2	1.9017	1.9017	0.596

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.61	3.266e5	3.197e5	2.310e4	2.221e4	1.04	NO	4.531e4	149.11	149.11	1.69
2	1,2,3,4,6,7,8-HpCDD	37.56	3.273e5	3.134e5	1.919e4	1.853e4	1.04	NO	3.772e4	124.14	124.14	1.69

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Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.62	6.722e3	7.704e3	5.109e2	6.503e2	0.79	NO	1.161e3	1.4951	1.4951	0.257
2	Total Tetra-Furans	22.47	7.925e3	1.192e4	7.769e2	1.180e3	0.66	NO	1.957e3	2.5194	2.5194	0.257
3	Total Tetra-Furans	22.93	3.680e3	5.350e3	3.091e2	3.841e2	0.80	NO	6.932e2	0.89245	0.89245	0.257
4	Total Tetra-Furans	23.27	3.009e3	4.159e3	2.395e2	3.550e2	0.67	NO	5.945e2	0.76543	0.76543	0.257
5	Total Tetra-Furans	23.96	5.167e3	6.429e3	5.759e2	7.875e2	0.73	NO	0.000e0	0.00000	1.7554	0.257
6	Total Tetra-Furans	24.43	3.926e4	5.569e4	2.812e3	3.928e3	0.72	NO	6.741e3	8.6787	8.6787	0.257
7	Total Tetra-Furans	24.72	2.398e3	3.229e3	1.717e2	1.993e2	0.86	NO	3.710e2	0.47769	0.47769	0.257
8	Total Tetra-Furans	25.27	5.984e3	8.366e3	3.715e2	4.467e2	0.83	NO	8.182e2	1.0534	1.0534	0.257
9	2,3,7,8-TCDF	25.39	6.952e4	9.948e4	4.473e3	6.307e3	0.71	NO	1.078e4	13.879	13.879	0.257
10	Total Tetra-Furans	25.68	2.690e3	4.377e3	2.607e2	3.731e2	0.70	NO	6.338e2	0.81604	0.81604	0.257
11	Total Tetra-Furans	27.01	4.421e3	4.281e3	2.358e2	2.503e2	0.94	YES	0.000e0	0.00000	0.57044	0.257
12	Total Tetra-Furans	27.20	2.850e3	5.216e3	1.702e2	2.568e2	0.66	NO	4.270e2	0.54976	0.54976	0.257

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.80	3.559e4	2.352e4	2.194e3	1.385e3	1.58	NO	3.579e3	5.7569	5.7569	0.0894

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.19	3.488e3	2.688e3	2.688e2	1.712e2	1.57	NO	4.399e2	0.70756	0.70756	0.383
2	Total Penta-Furans	28.35	9.931e4	6.840e4	5.777e3	3.869e3	1.49	NO	9.646e3	15.514	15.514	0.383
3	Total Penta-Furans	28.96	5.706e3	4.240e3	4.066e2	2.609e2	1.56	NO	6.674e2	1.0735	1.0735	0.383
4	Total Penta-Furans	29.10	1.583e4	1.121e4	8.765e2	6.125e2	1.43	NO	1.489e3	2.3949	2.3949	0.383
5	1,2,3,7,8-PeCDF	29.30	3.536e5	2.345e5	1.938e4	1.198e4	1.62	NO	3.137e4	50.396	50.396	0.412
6	Total Penta-Furans	29.54	6.792e4	4.042e4	3.691e3	2.261e3	1.63	NO	5.952e3	9.5723	9.5723	0.383
7	2,3,4,7,8-PeCDF	30.33	1.466e5	8.884e4	7.764e3	4.862e3	1.60	NO	1.263e4	18.882	18.882	0.330
8	Total Penta-Furans	31.19	4.942e3	4.086e3	4.561e2	3.256e2	1.40	NO	7.817e2	1.2573	1.2573	0.383

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Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.58	2.272e4	1.972e4	1.026e3	9.199e2	1.12	NO	1.946e3	4.0415	4.0415	0.492
2	Total Hexa-Furans	31.75	7.090e4	5.611e4	3.482e3	2.912e3	1.20	NO	6.394e3	13.279	13.279	0.492
3	Total Hexa-Furans	32.37	8.952e4	6.677e4	4.710e3	3.774e3	1.25	NO	8.484e3	17.620	17.620	0.492
4	1,2,3,4,7,8-HxCDF	32.85	3.633e5	3.031e5	2.059e4	1.694e4	1.22	NO	3.754e4	77.348	77.348	0.442
5	1,2,3,6,7,8-HxCDF	32.98	7.115e4	6.329e4	4.696e3	3.879e3	1.21	NO	8.574e3	16.412	16.412	0.453
6	2,3,4,6,7,8-HxCDF	33.65	2.179e4	1.692e4	1.406e3	1.111e3	1.27	NO	2.517e3	5.2124	5.2124	0.482
7	1,2,3,7,8,9-HxCDF	34.64	1.502e4	1.311e4	3.808e2	2.936e2	1.30	NO	6.743e2	1.5975	1.5975	0.626
8	Total Hexa-Furans	34.67	2.949e4	2.228e4	1.681e3	1.352e3	1.24	NO	3.033e3	6.2995	6.2995	0.492

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.22	8.408e4	9.005e4	6.551e3	6.382e3	1.03	NO	1.293e4	33.248	33.248	0.638
2	Total Hepta-Furans	36.93	1.436e5	1.391e5	9.381e3	9.156e3	1.02	NO	1.854e4	54.109	54.109	0.659
3	1,2,3,4,7,8,9-HpCDF	38.23	2.891e4	2.760e4	1.863e3	1.693e3	1.10	NO	3.556e3	10.556	10.556	0.603

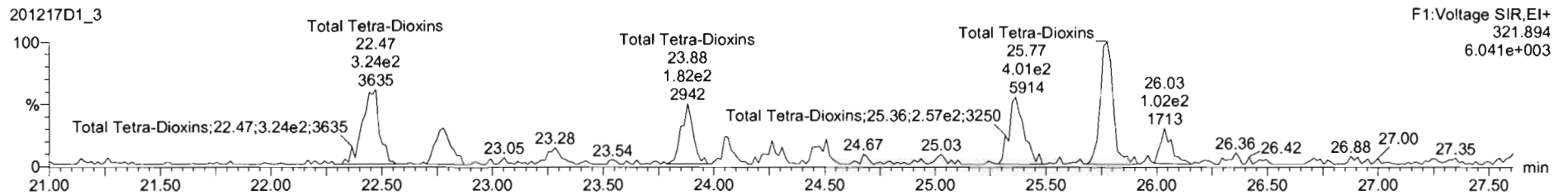
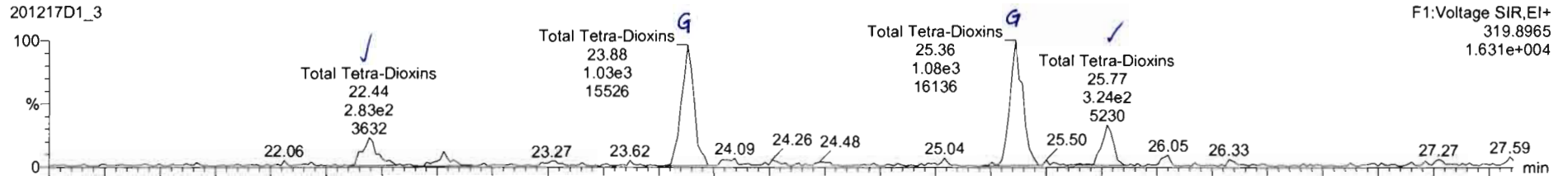
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Printed: Friday, December 18, 2020 09:38:23 Pacific Standard Time

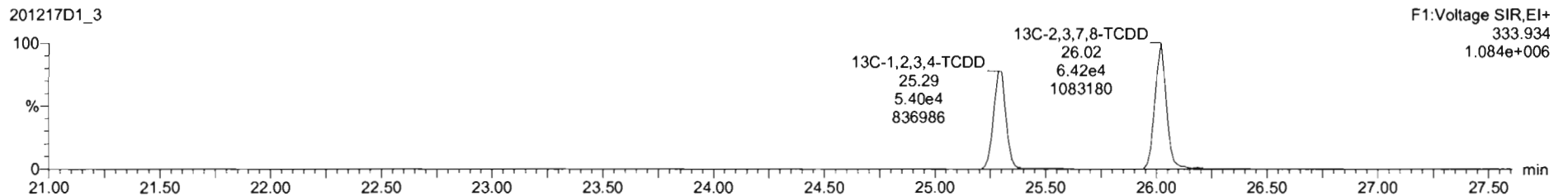
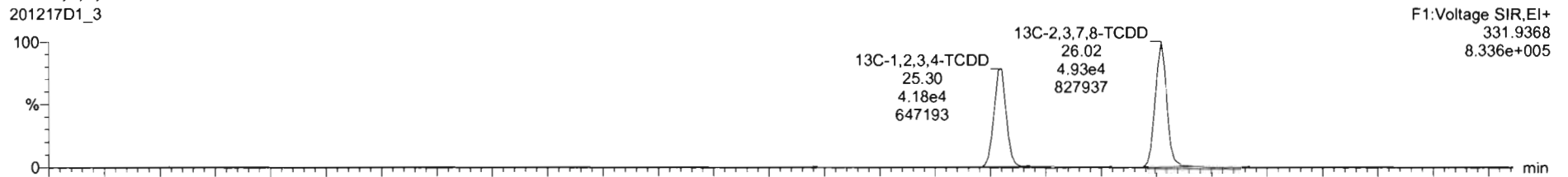
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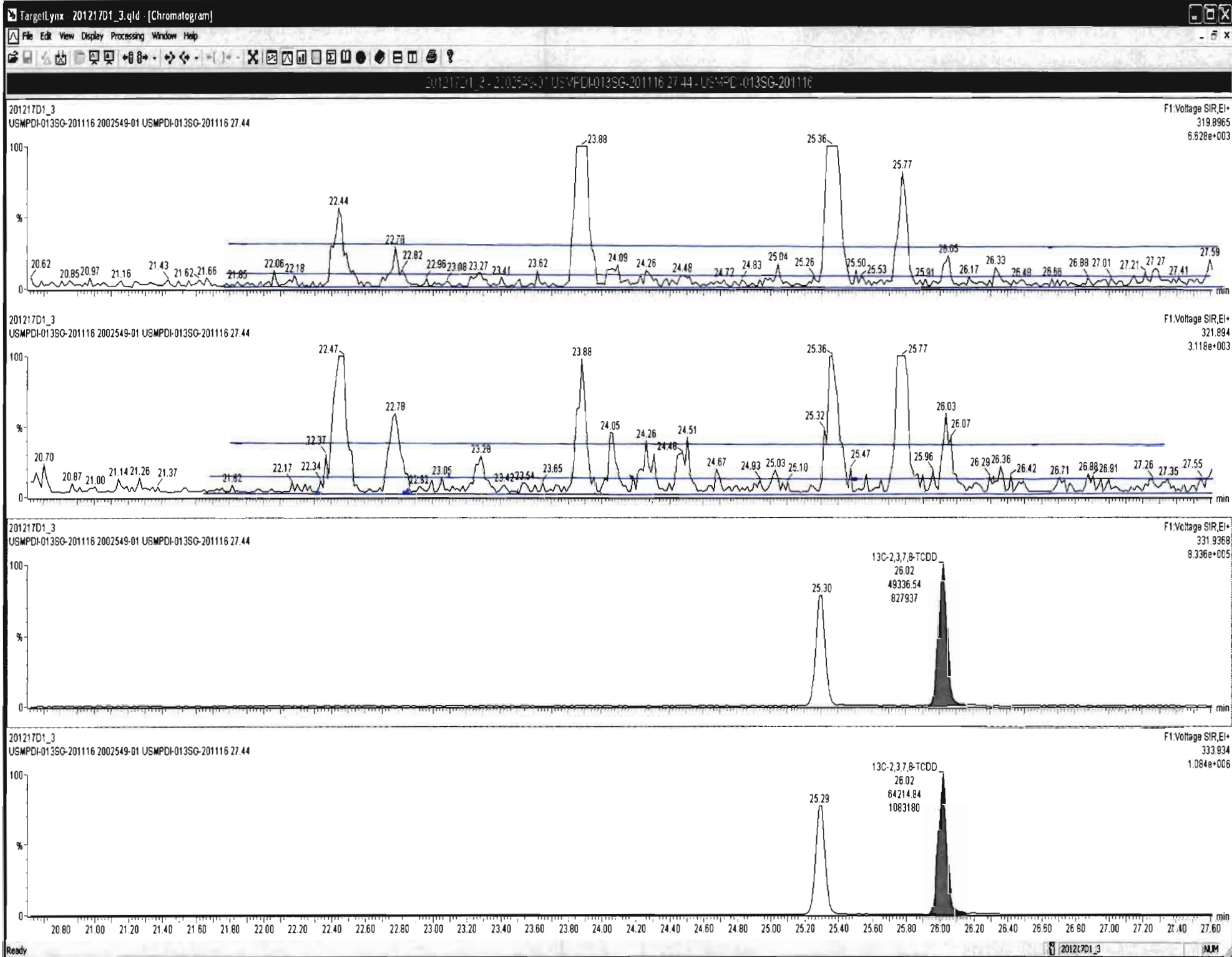
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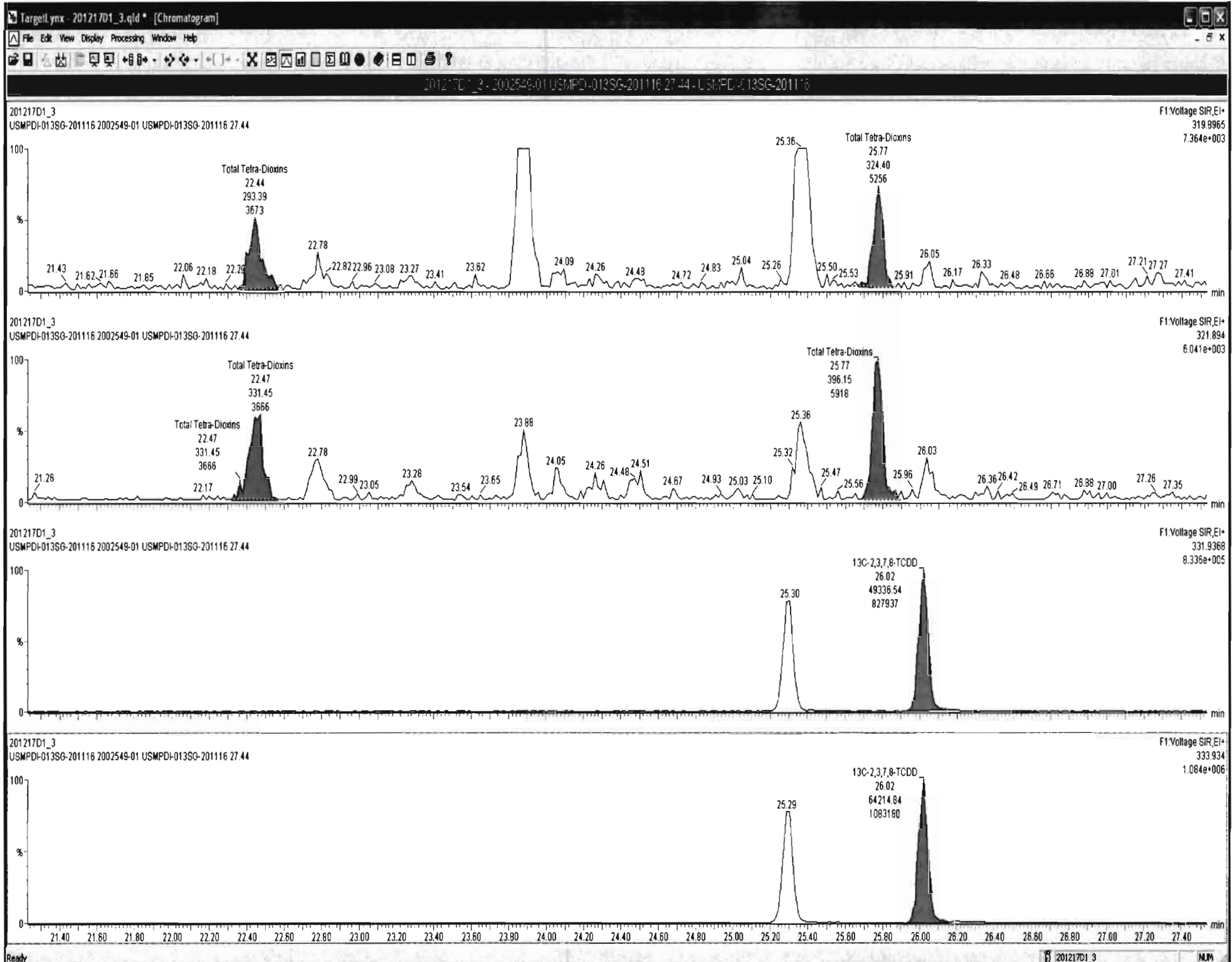
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13C-2,3,7,8-TCDD







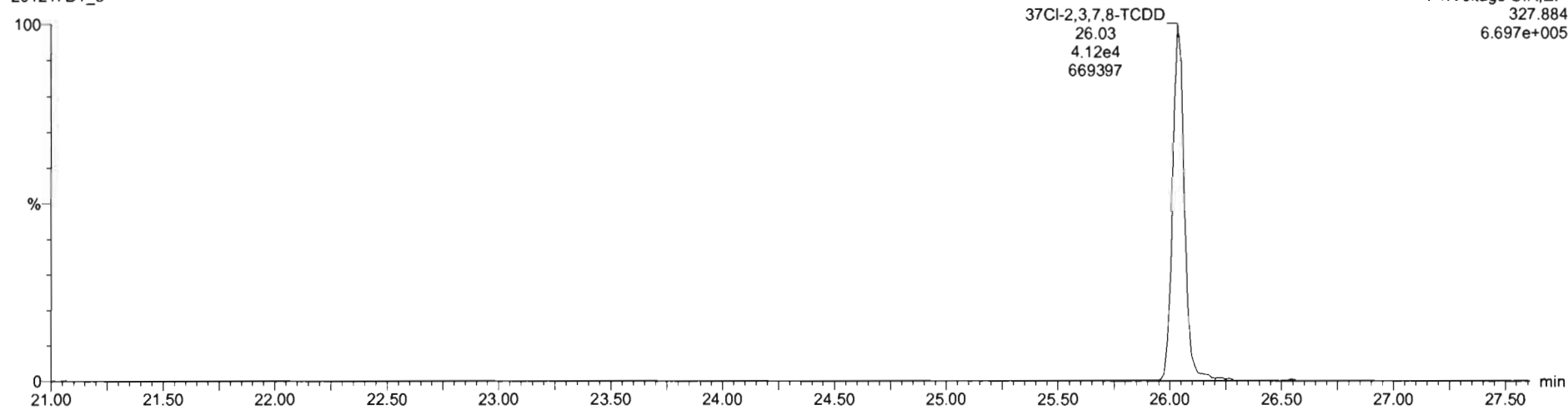
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Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

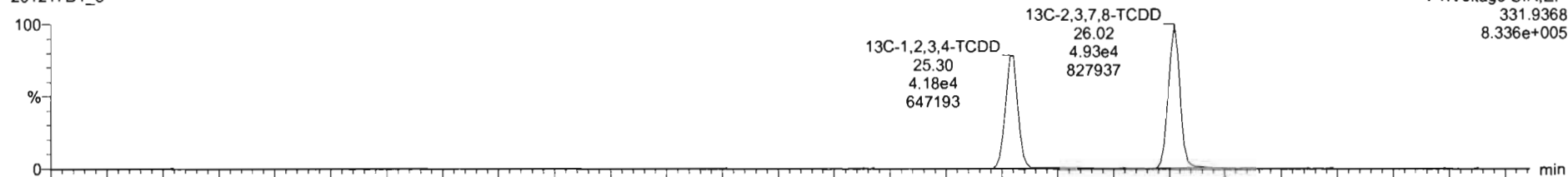
37Cl-2,3,7,8-TCDD

201217D1\_3

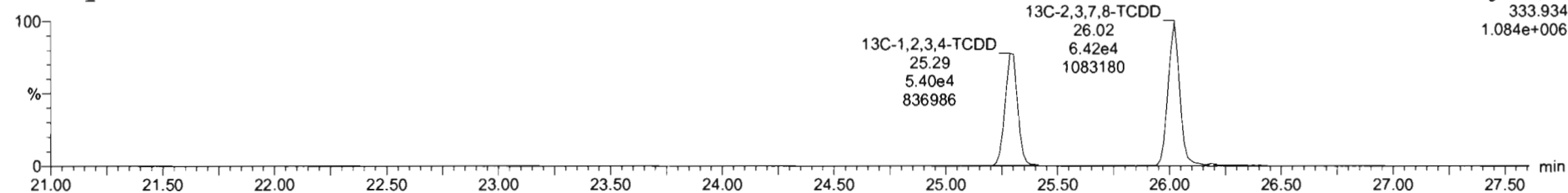


13C-1,2,3,4-TCDD

201217D1\_3



201217D1\_3



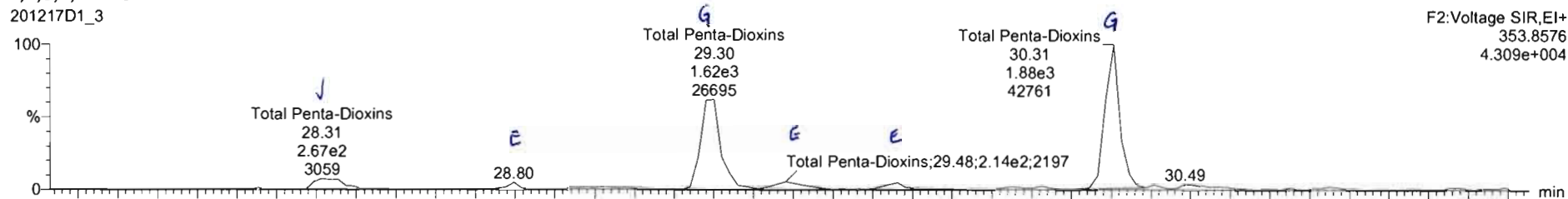
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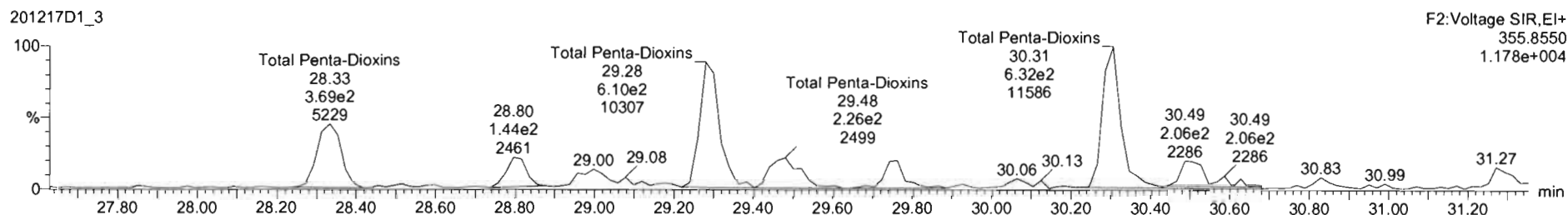
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1,2,3,7,8-PeCDD

201217D1\_3

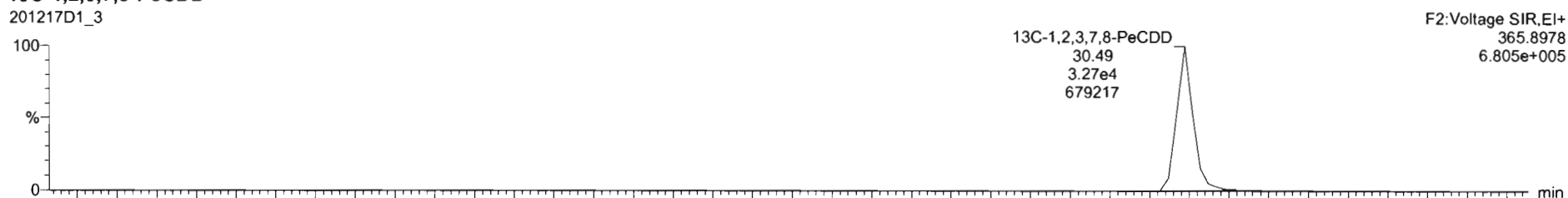


201217D1\_3

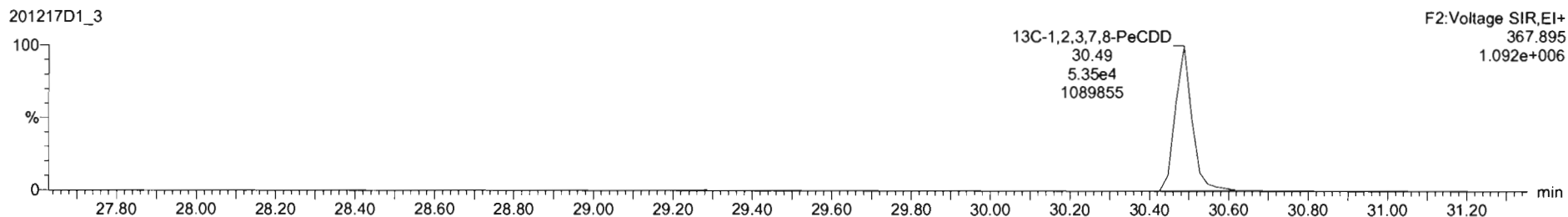


13C-1,2,3,7,8-PeCDD

201217D1\_3

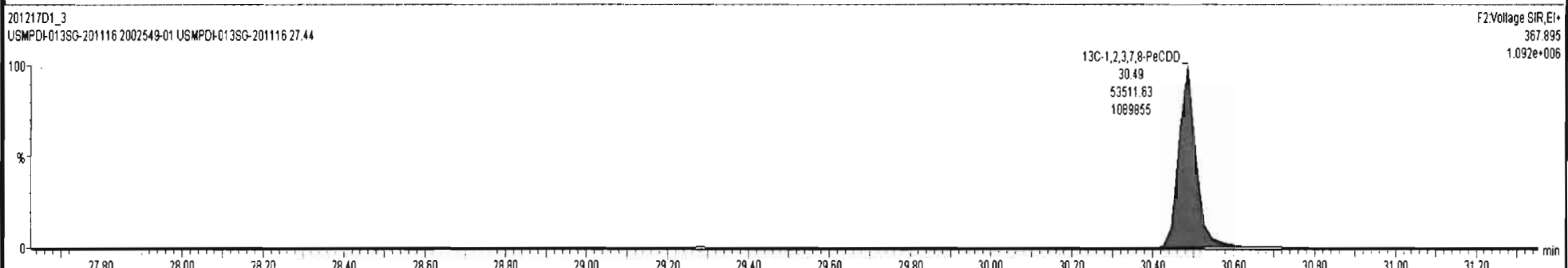
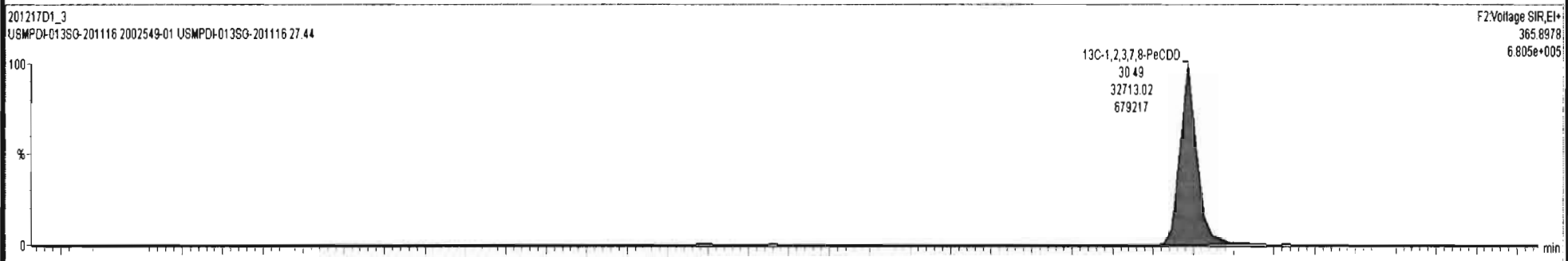
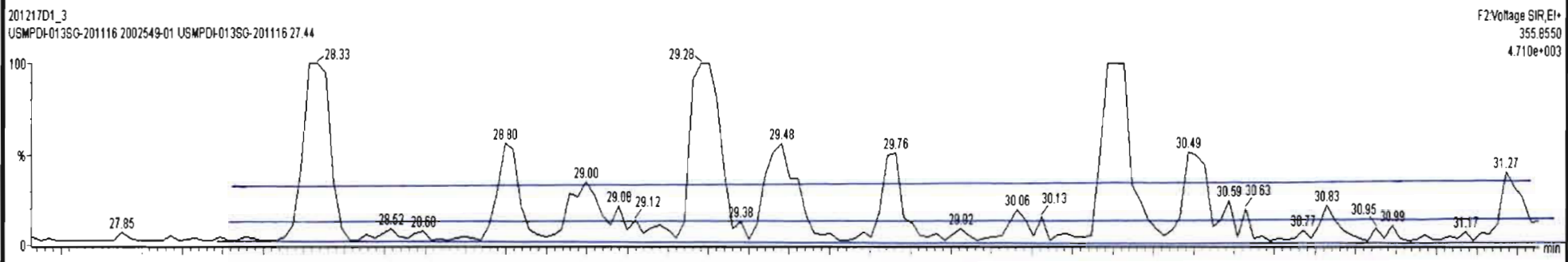
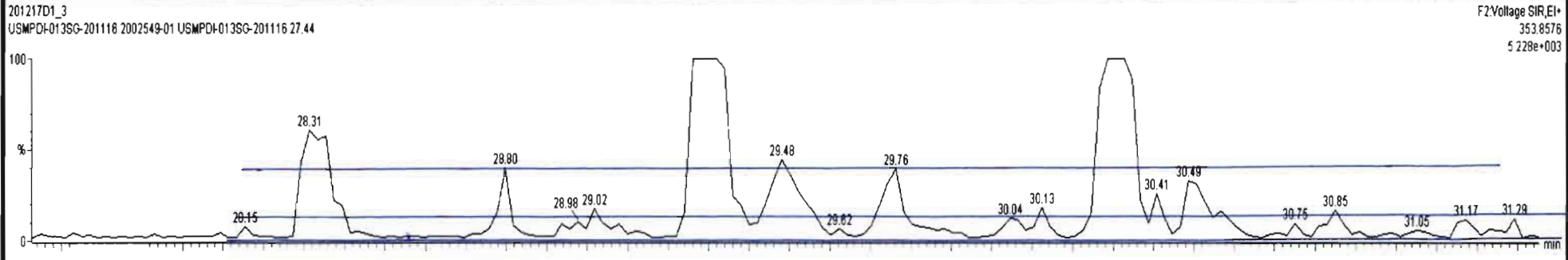


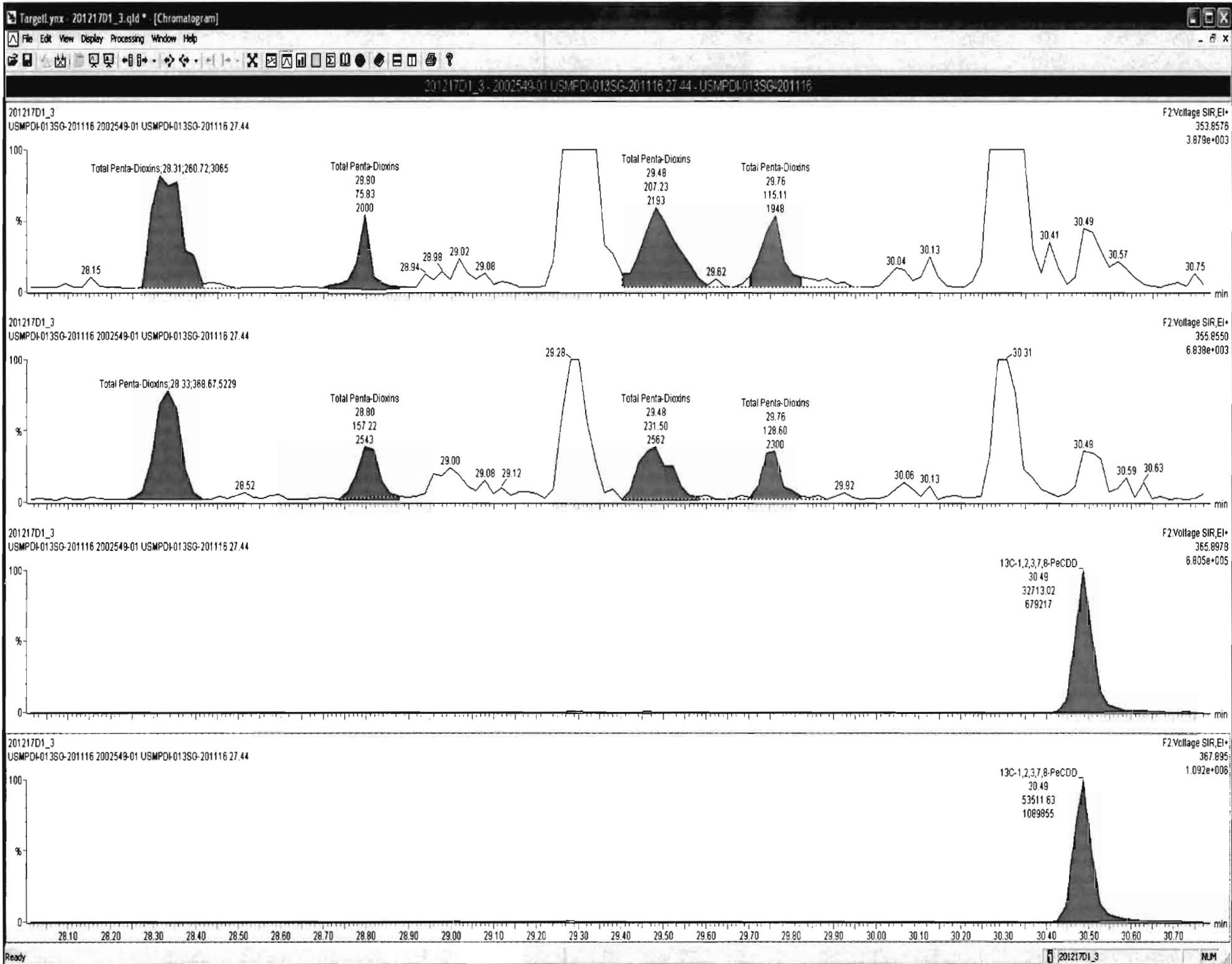
201217D1\_3





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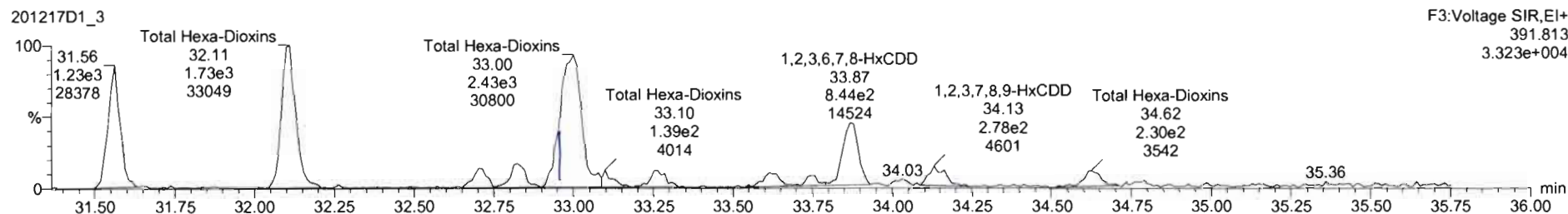
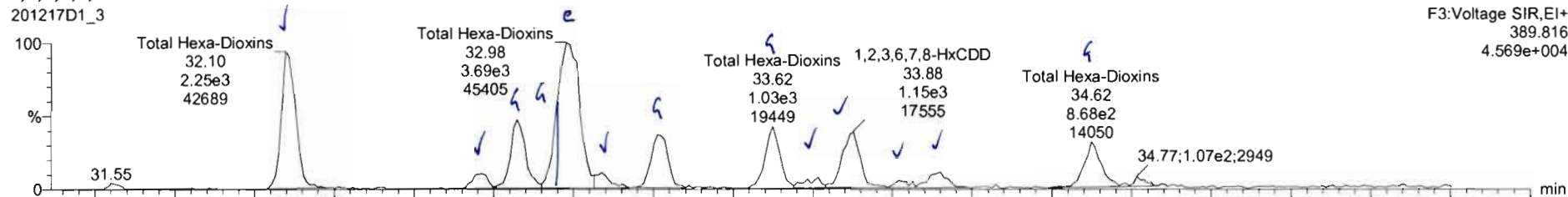
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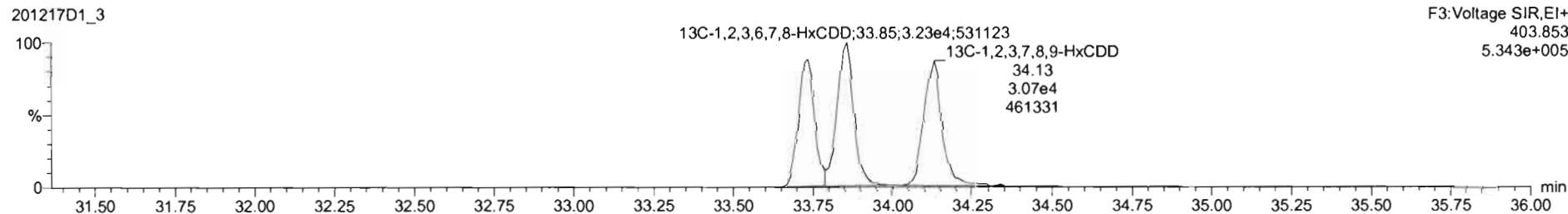
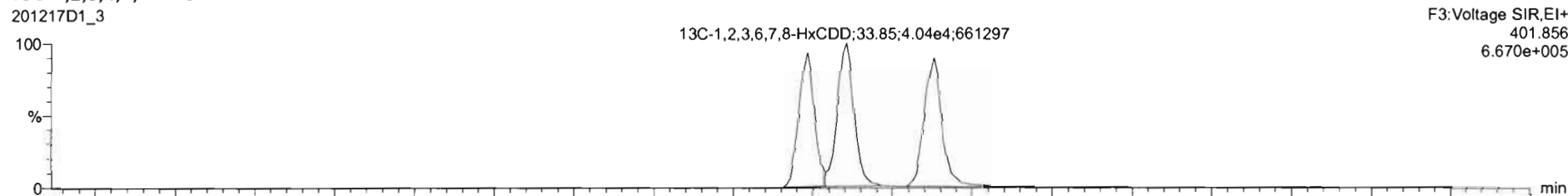
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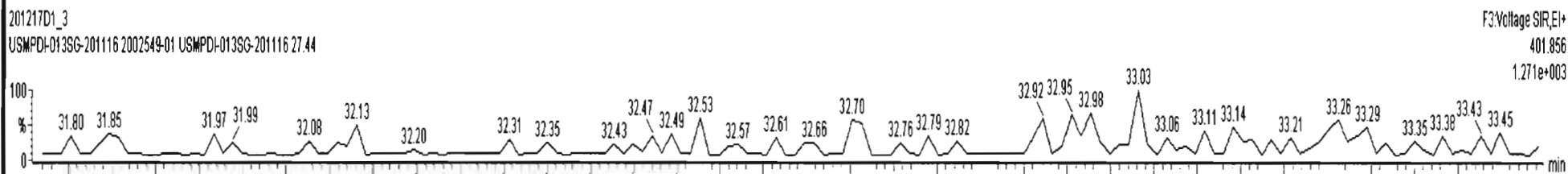
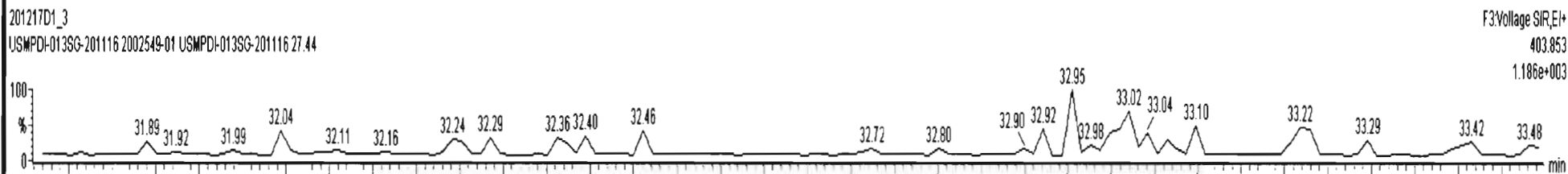
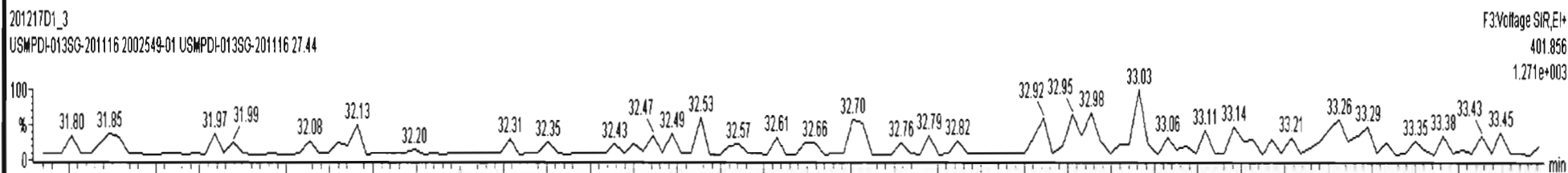
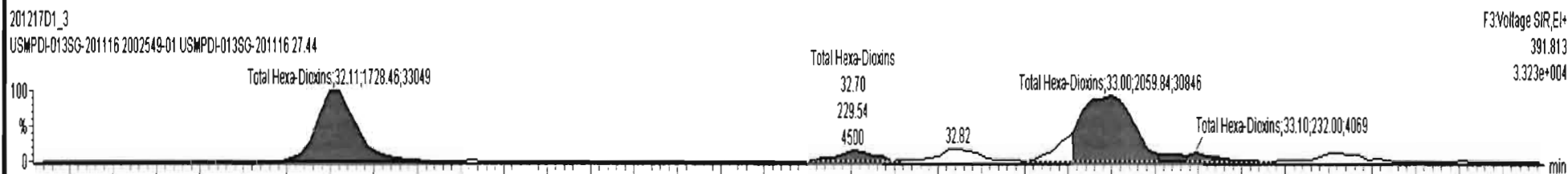
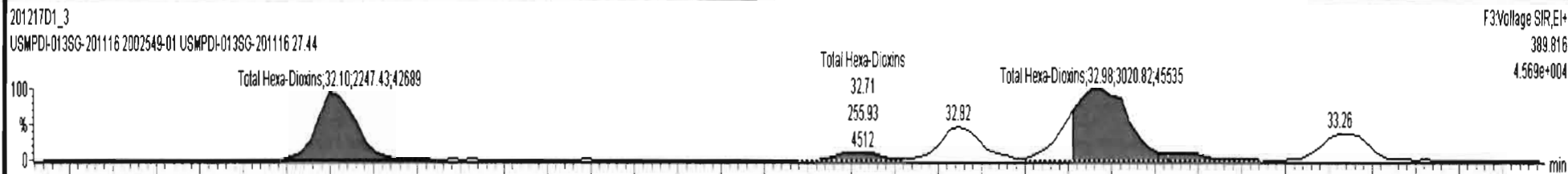
1,2,3,4,7,8-HxCDD

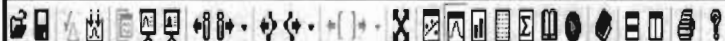


13C-1,2,3,4,7,8-HxCDD

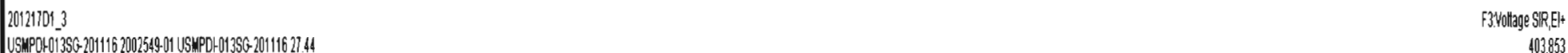
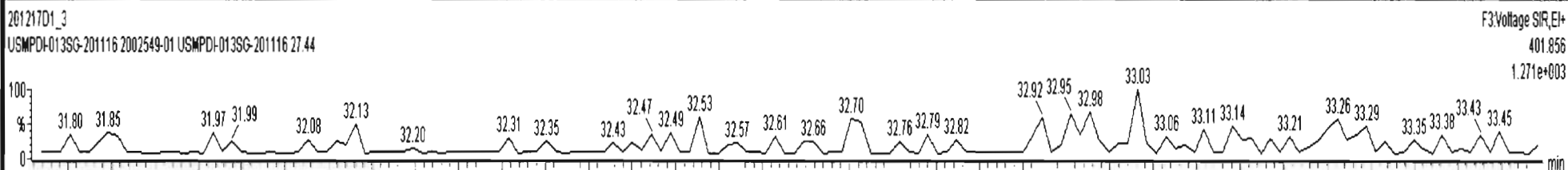
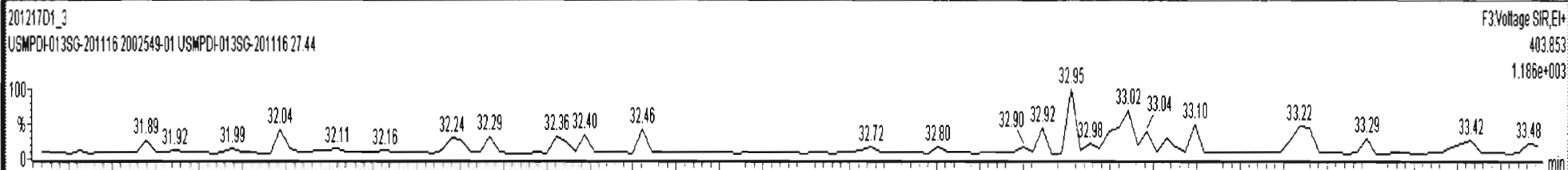
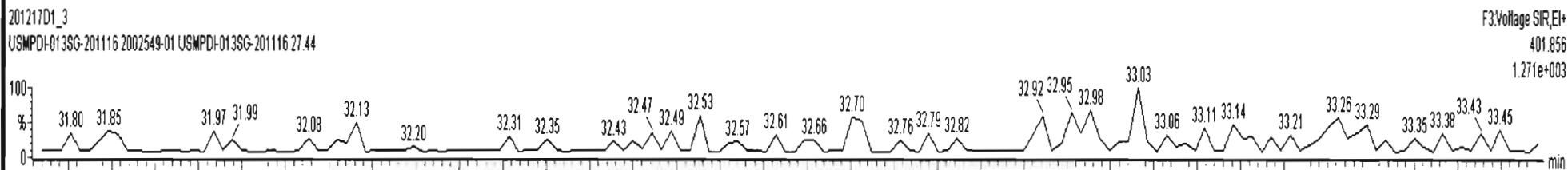
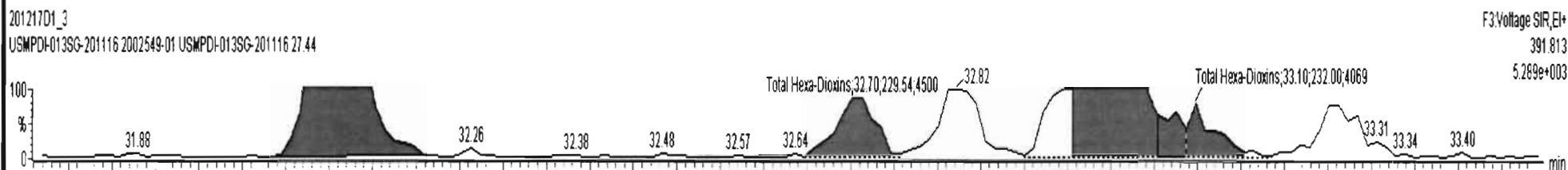
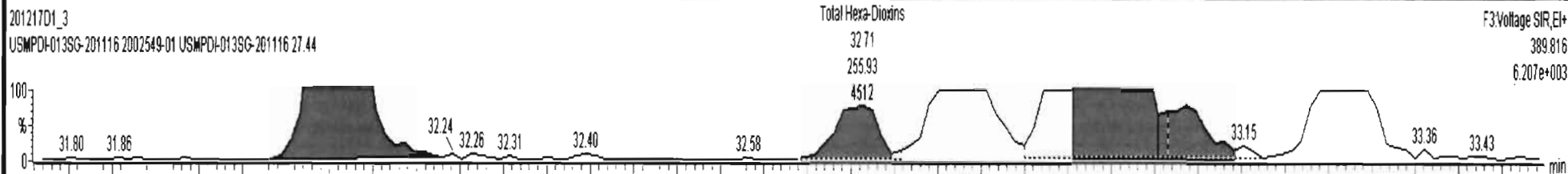


201217D1\_3 - 2002549-01 USMPD-013SG-201116 27.44 - USMPD-013SG-201116



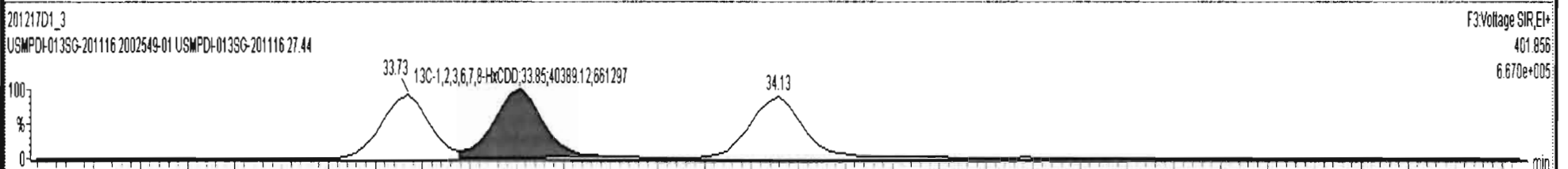
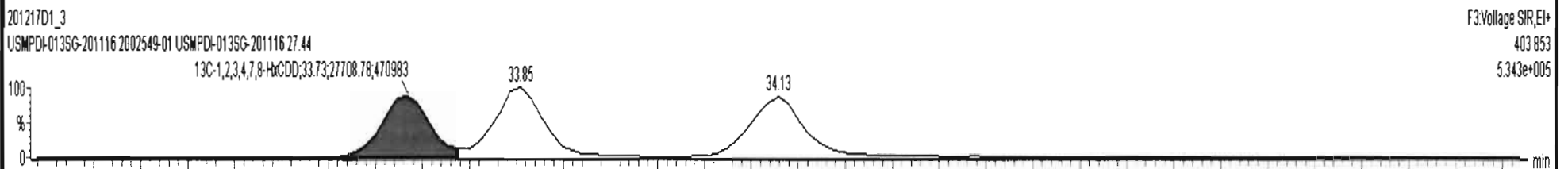
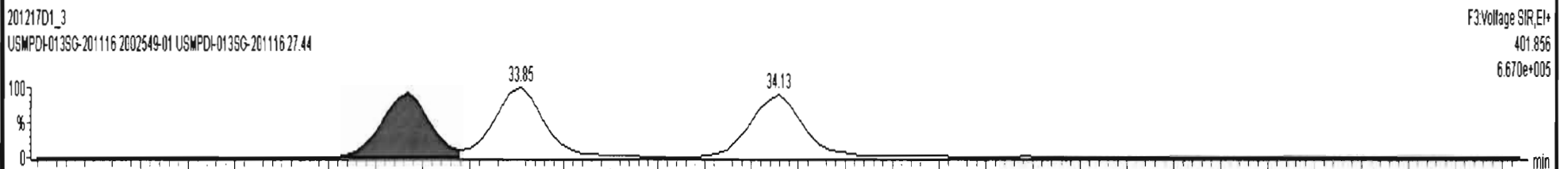
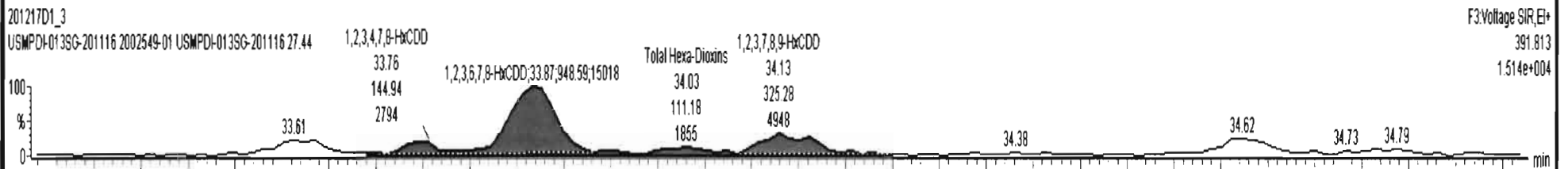
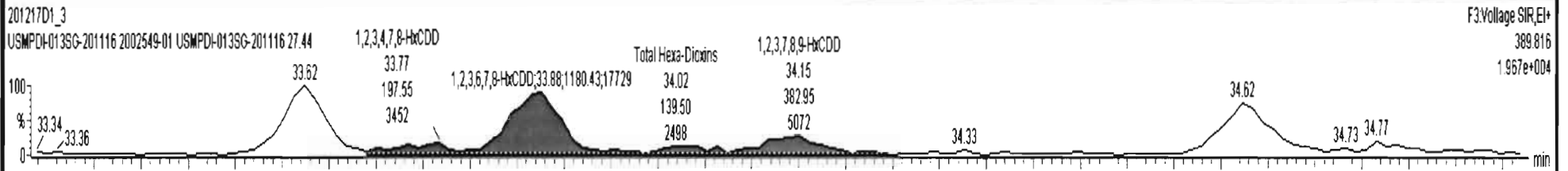


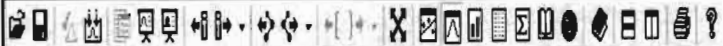
201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116



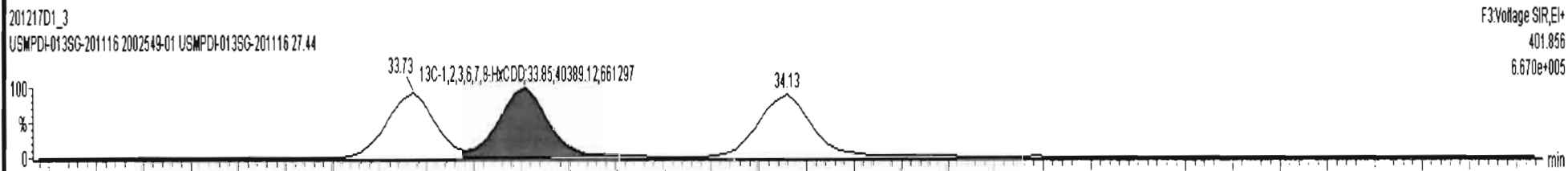
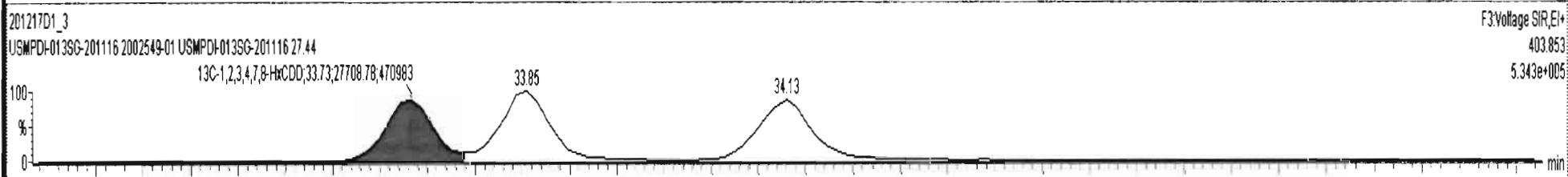
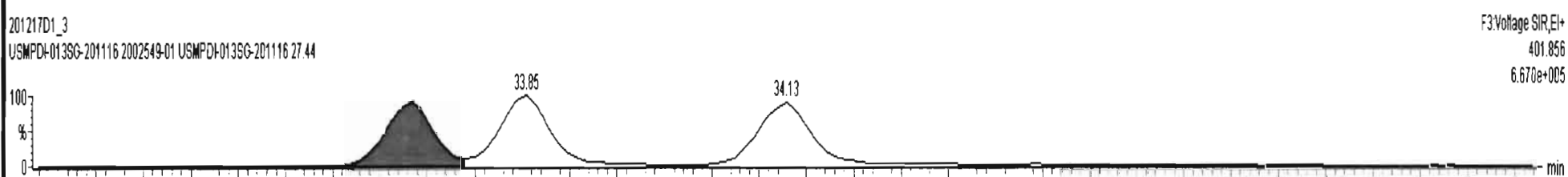
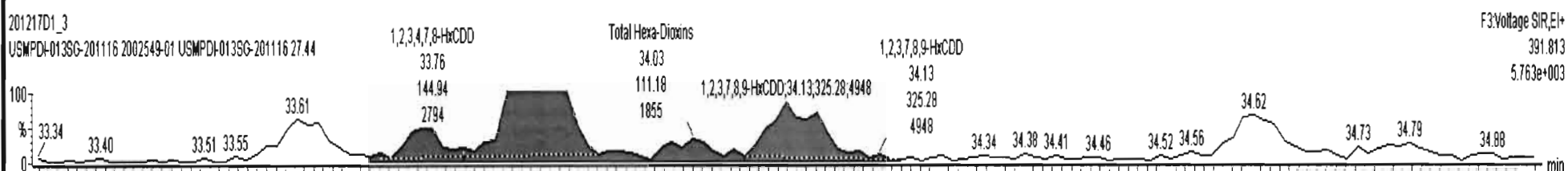
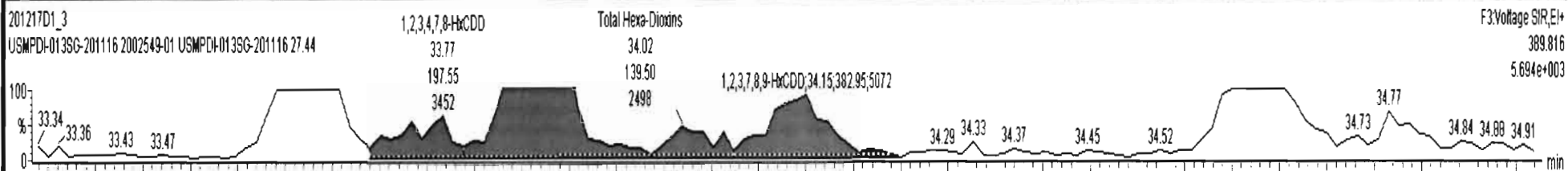


201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116





201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116

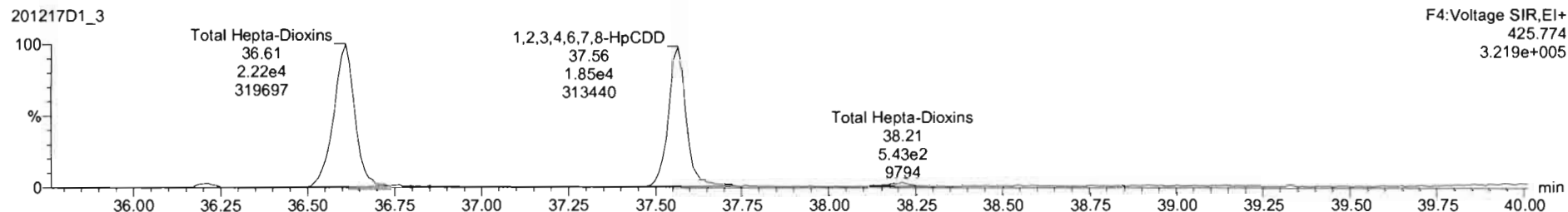
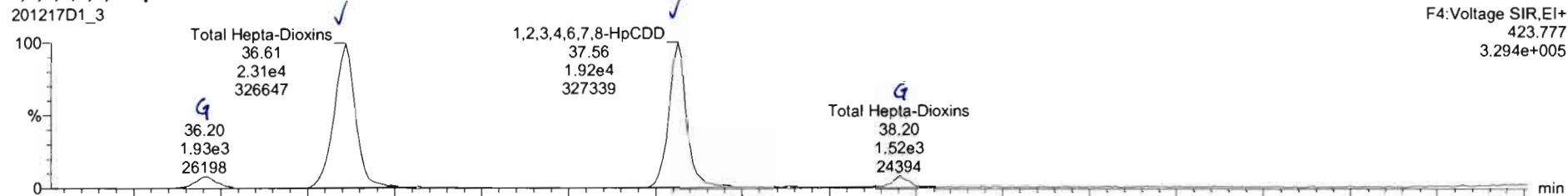


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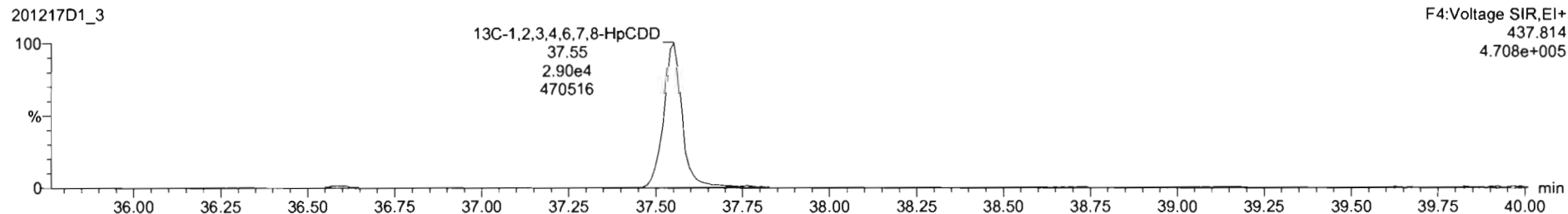
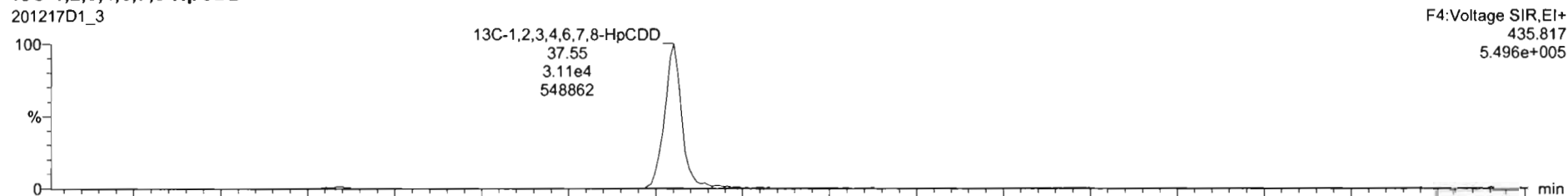
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1,2,3,4,6,7,8-HpCDD



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

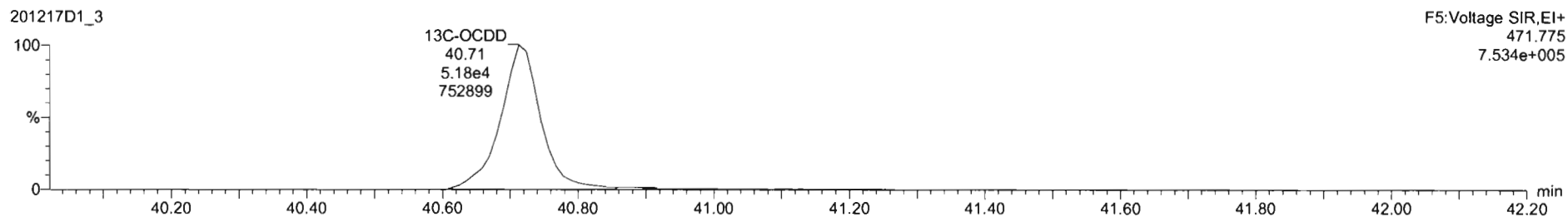
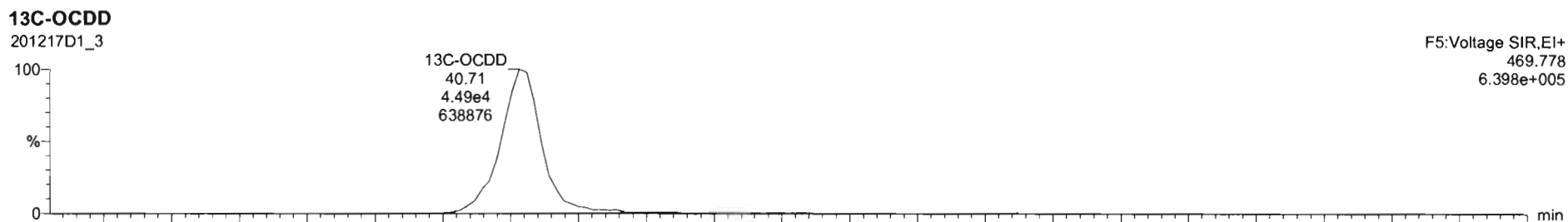
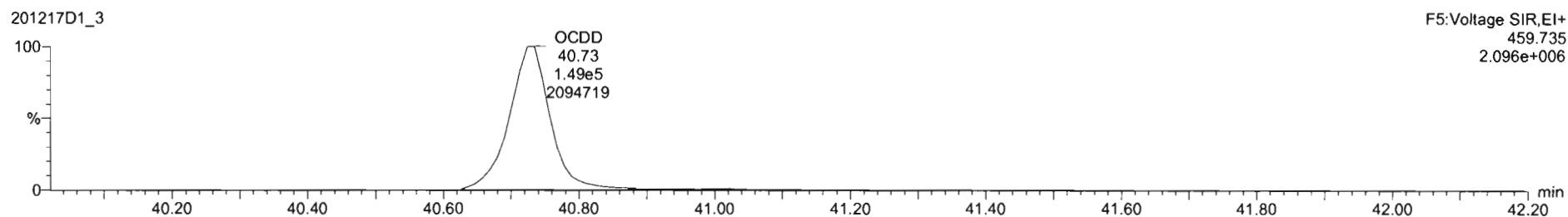
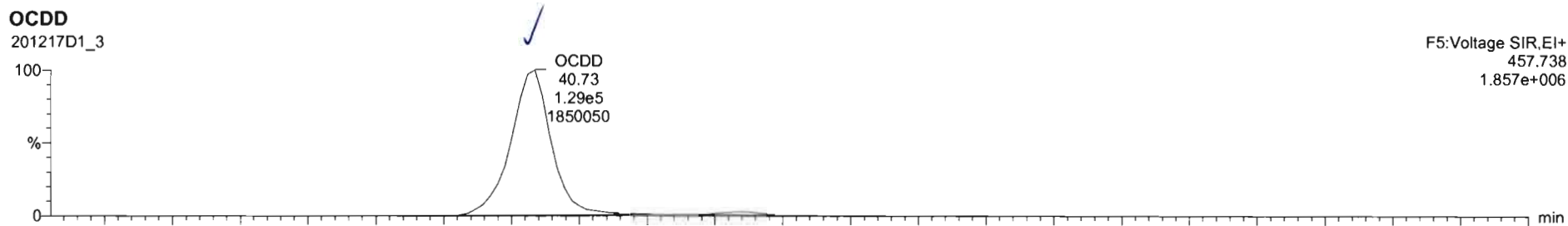




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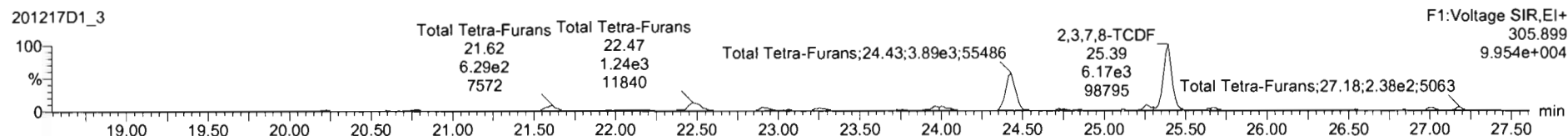
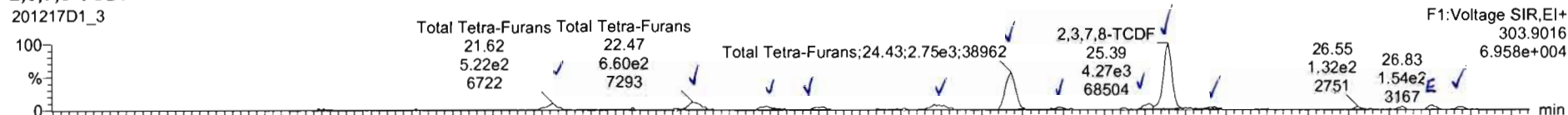


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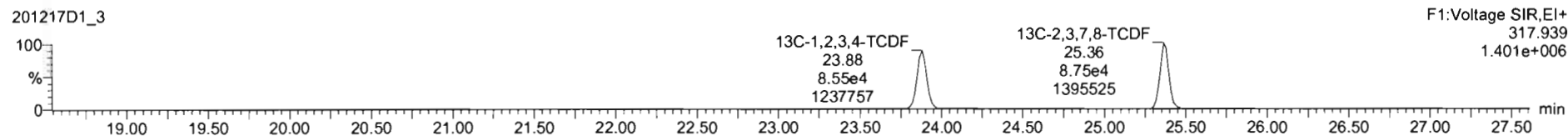
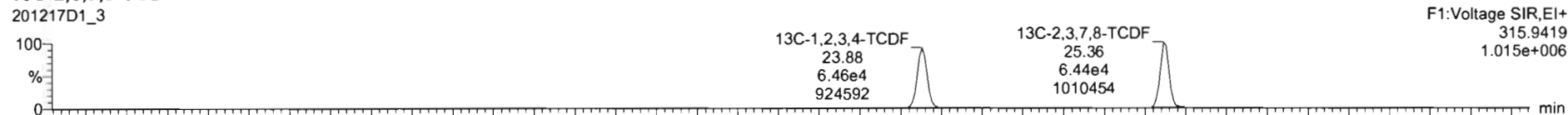
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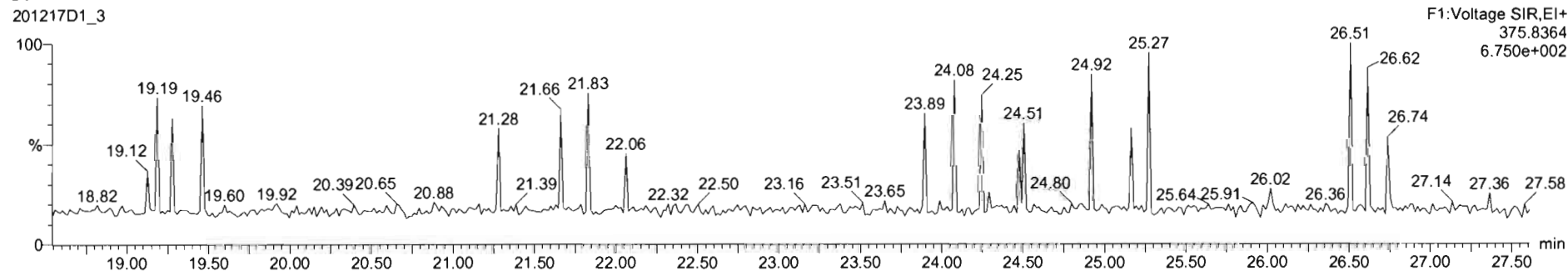
2,3,7,8-TCDF

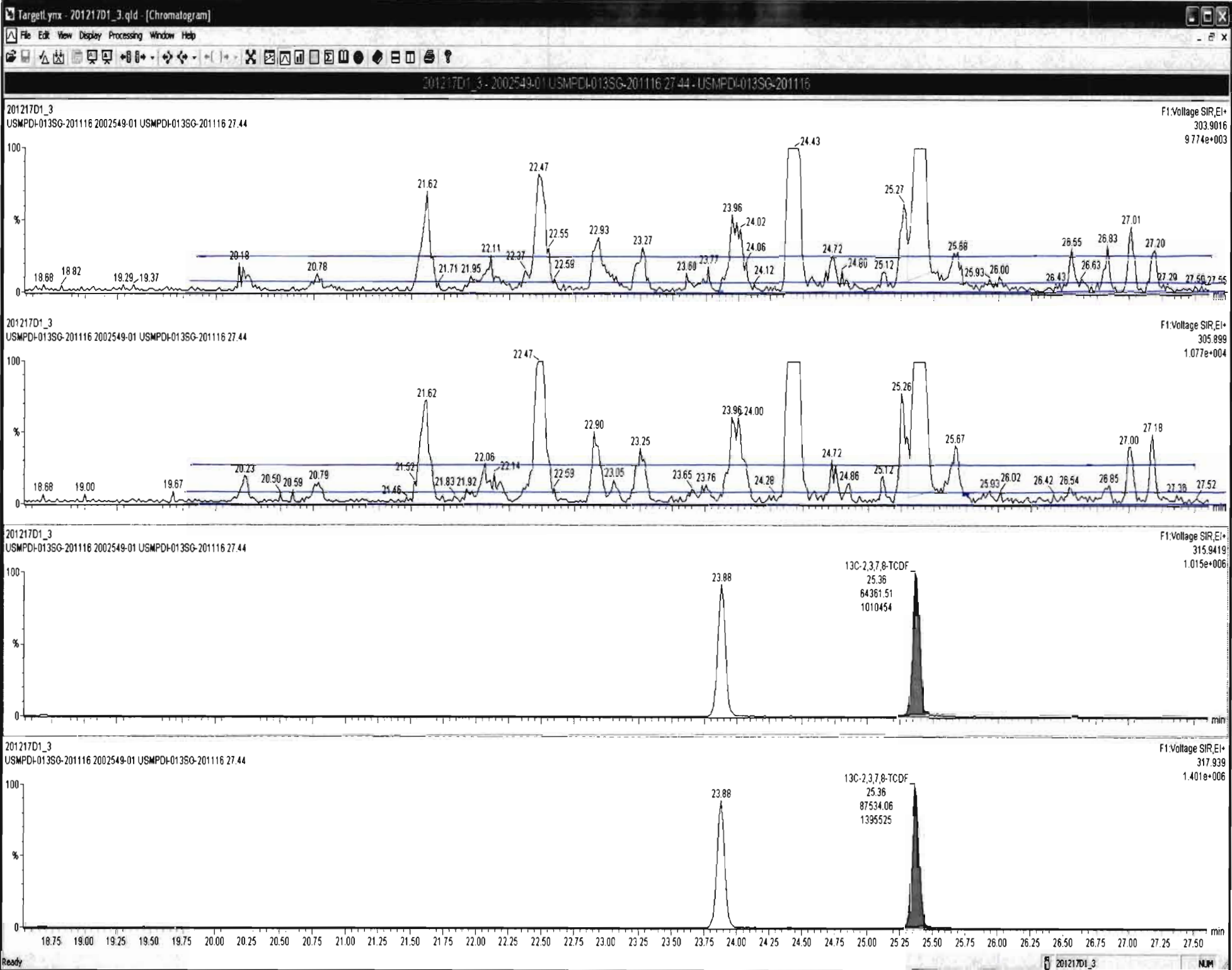


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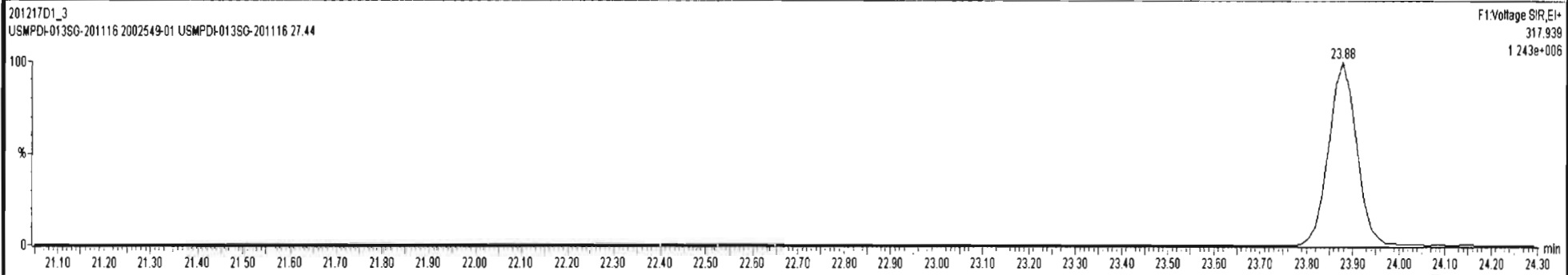
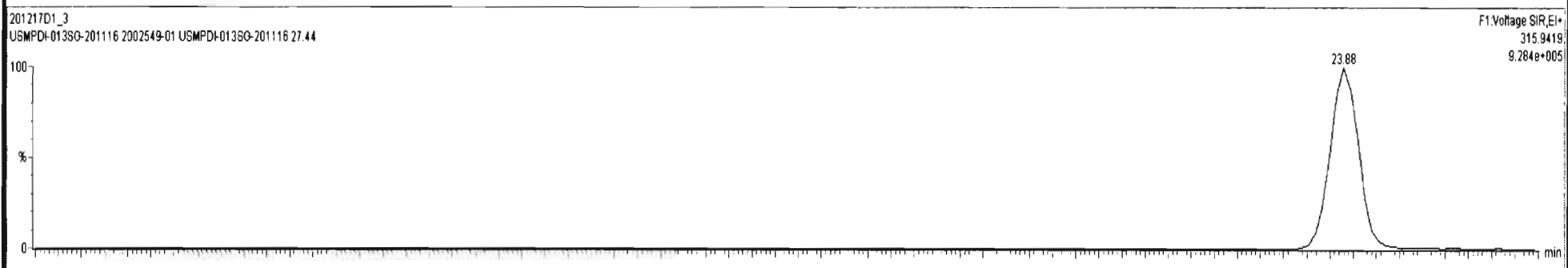
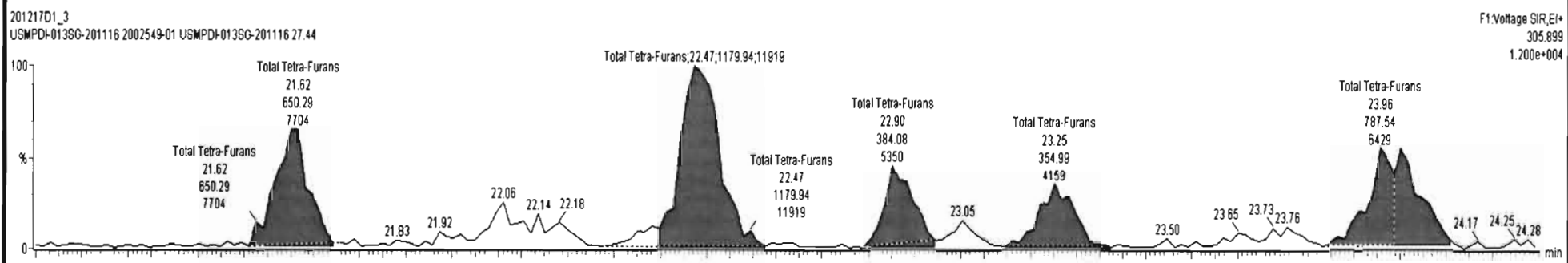
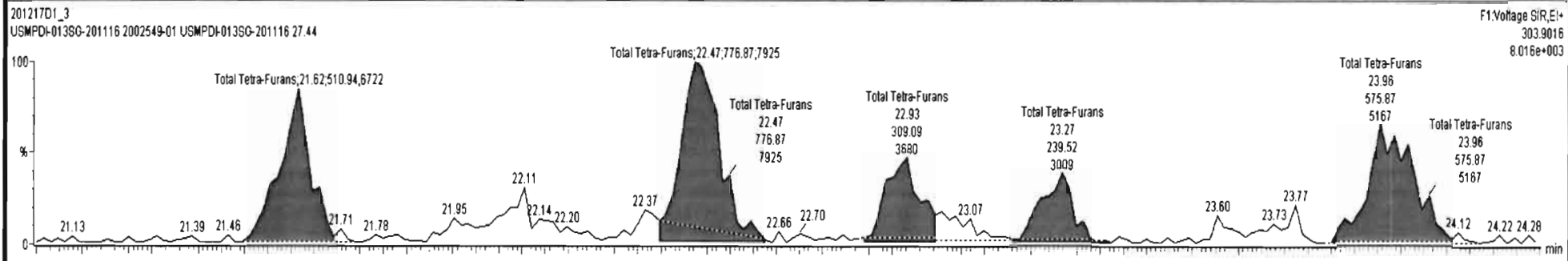


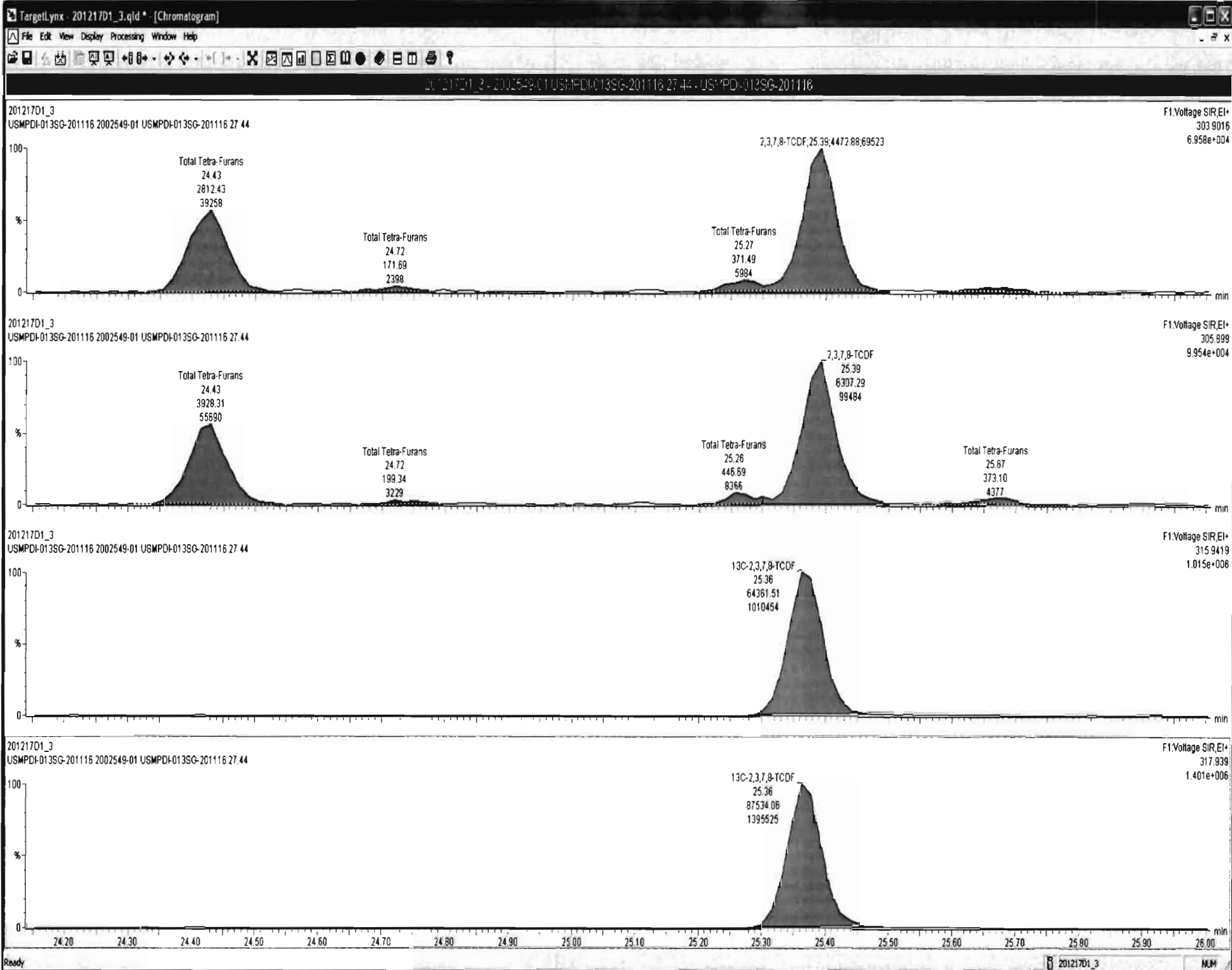
DPE1

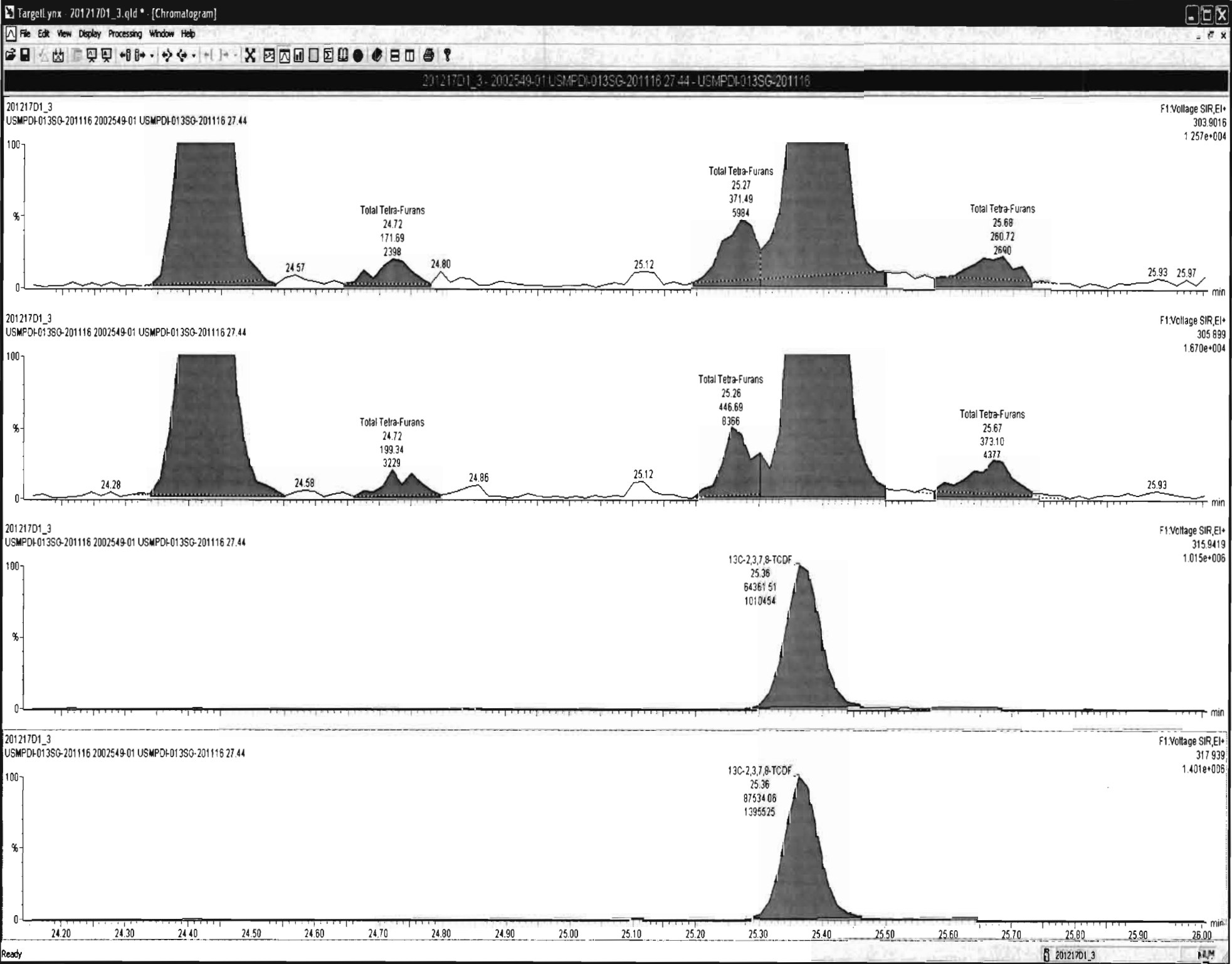


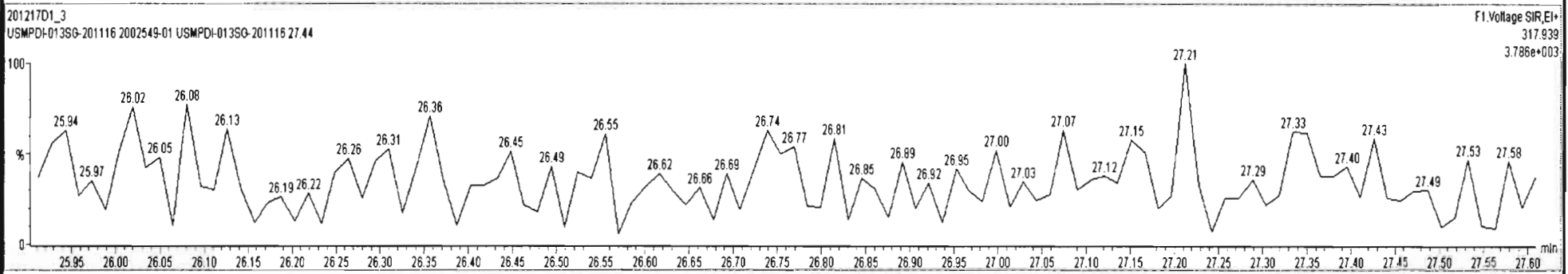
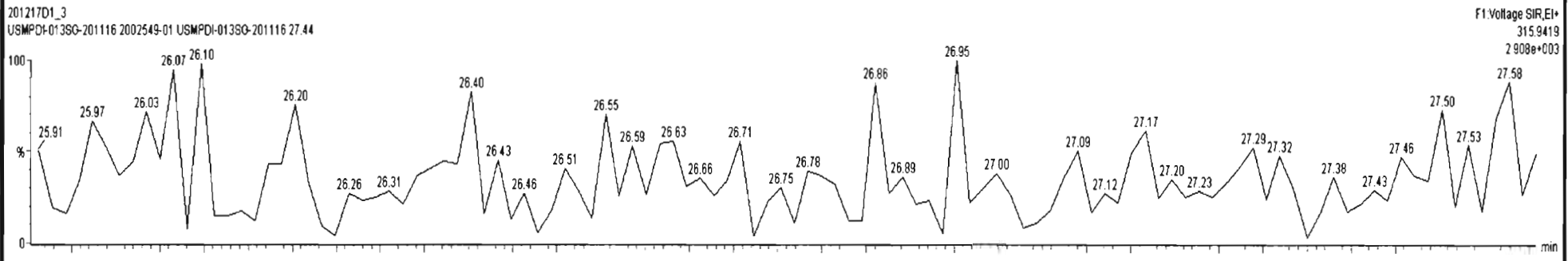
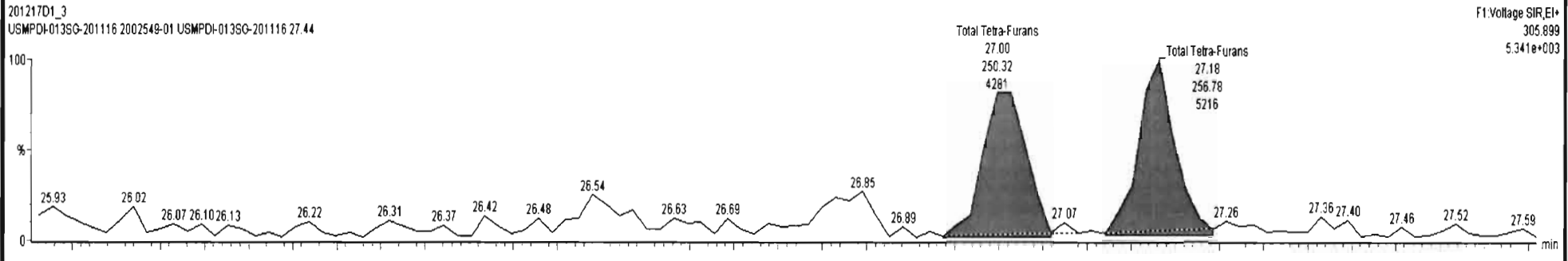
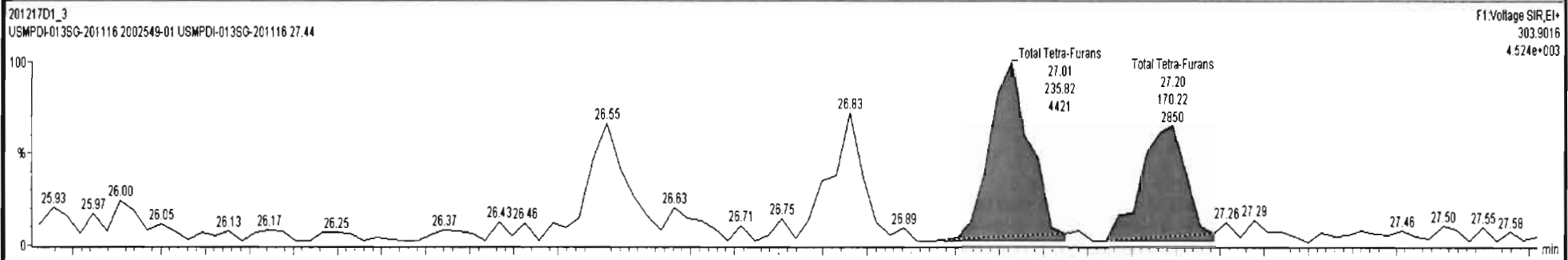


201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116









Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_3.qld

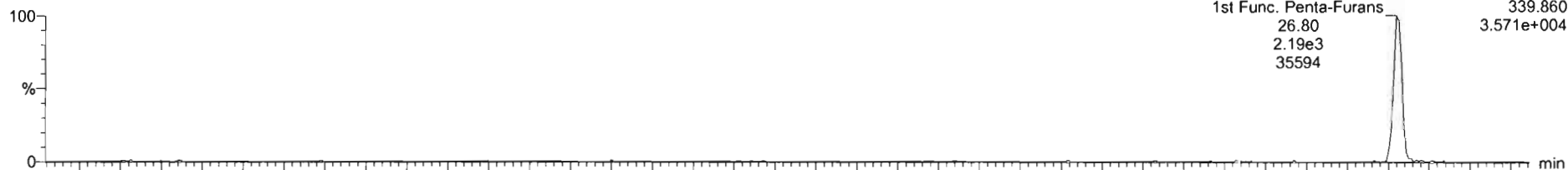
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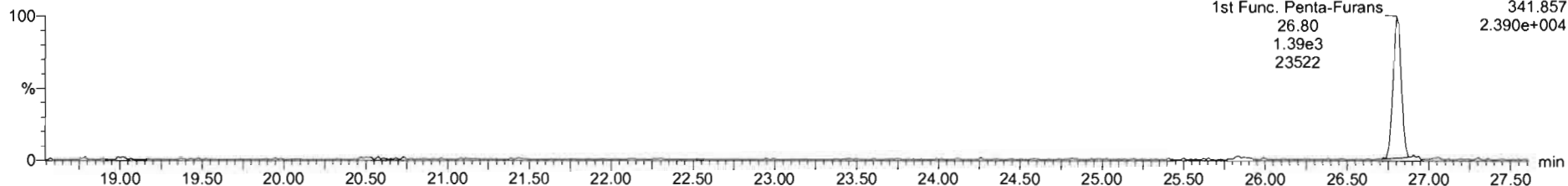
Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

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201217D1\_3

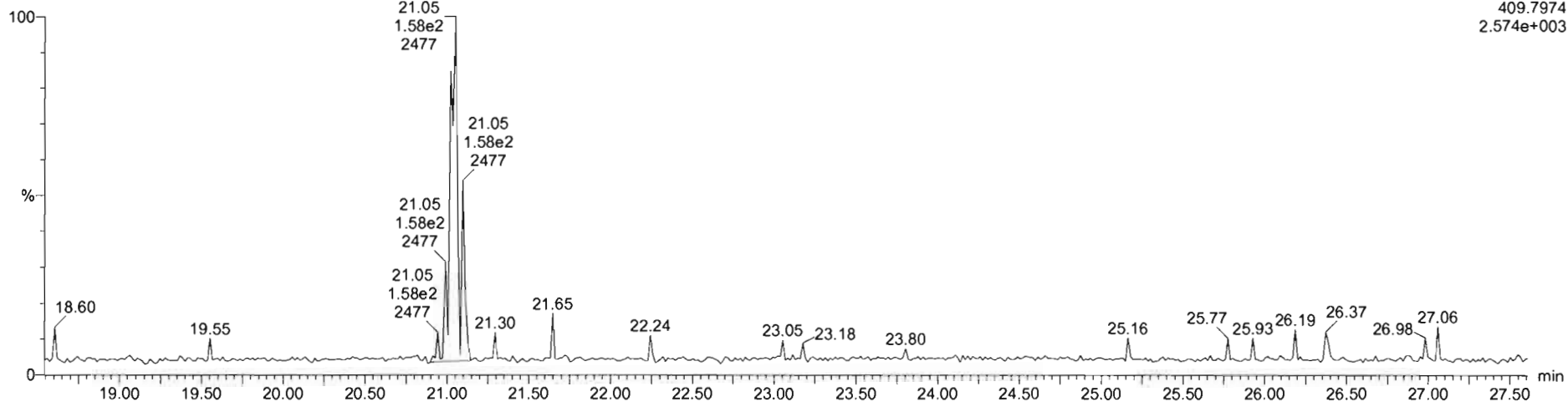


201217D1\_3



DPE6

201217D1\_3



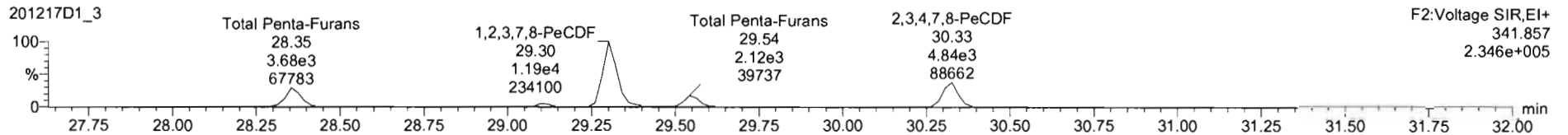
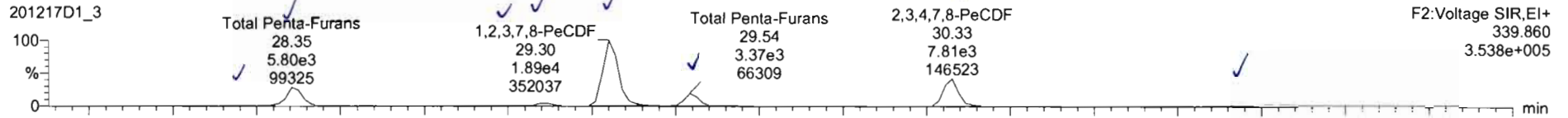


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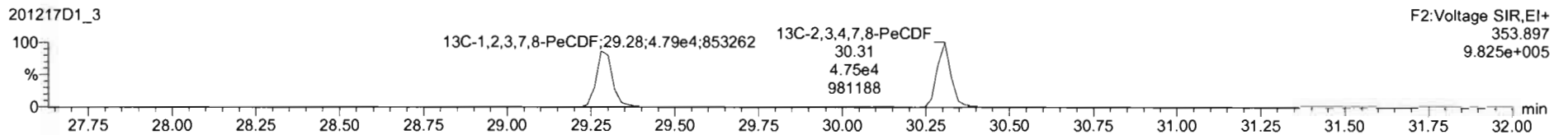
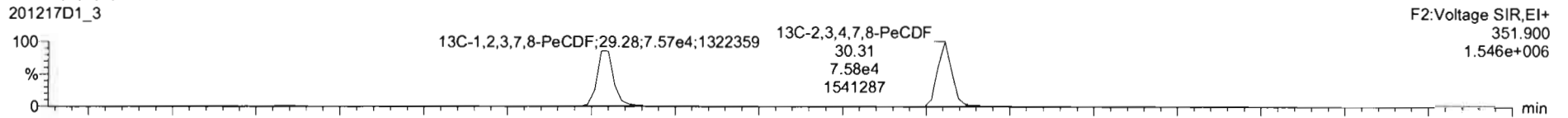
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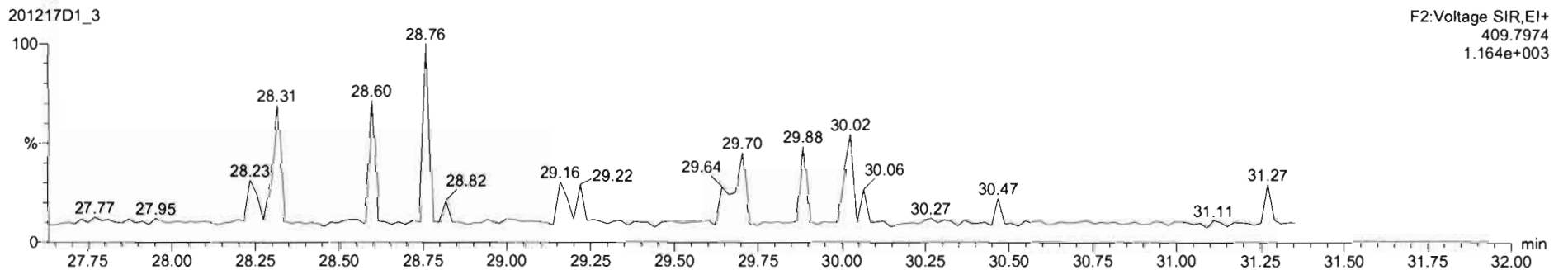
1,2,3,7,8-PeCDF

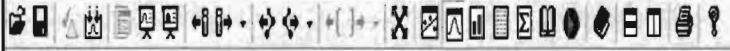


13C-1,2,3,7,8-PeCDF

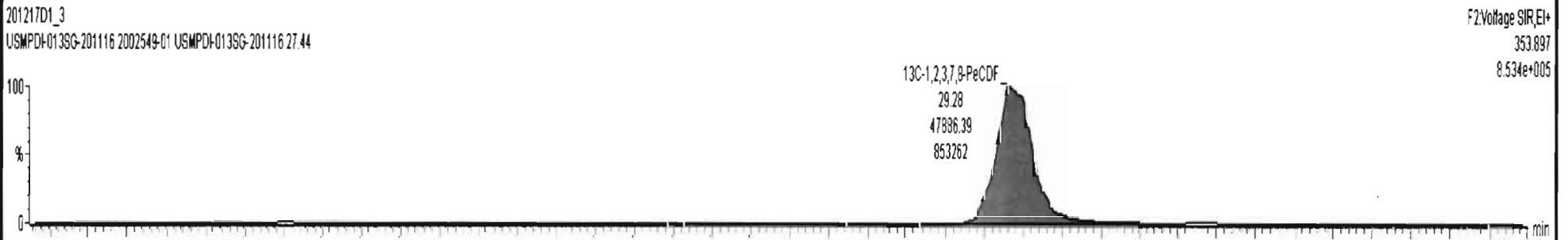
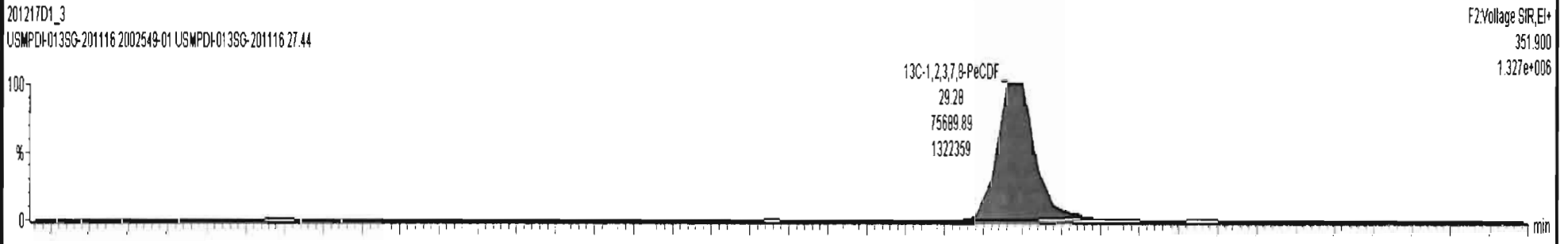
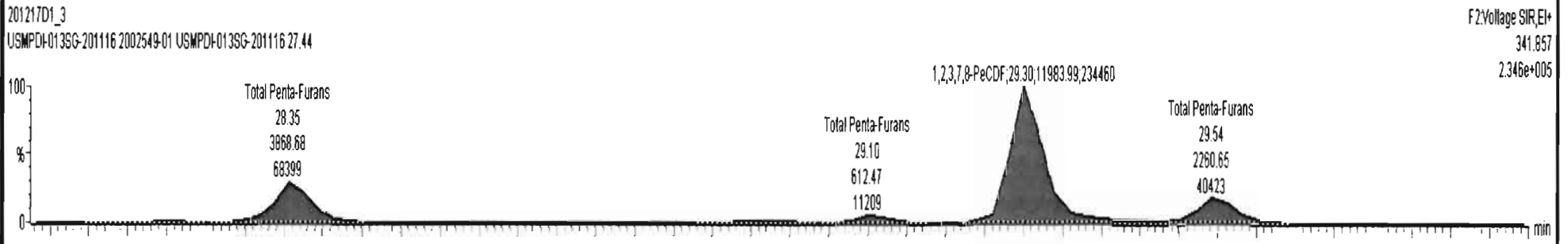
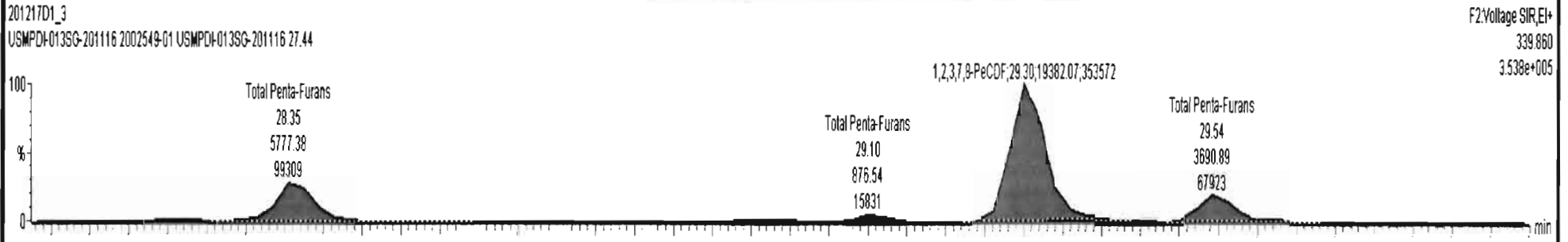


DPE2



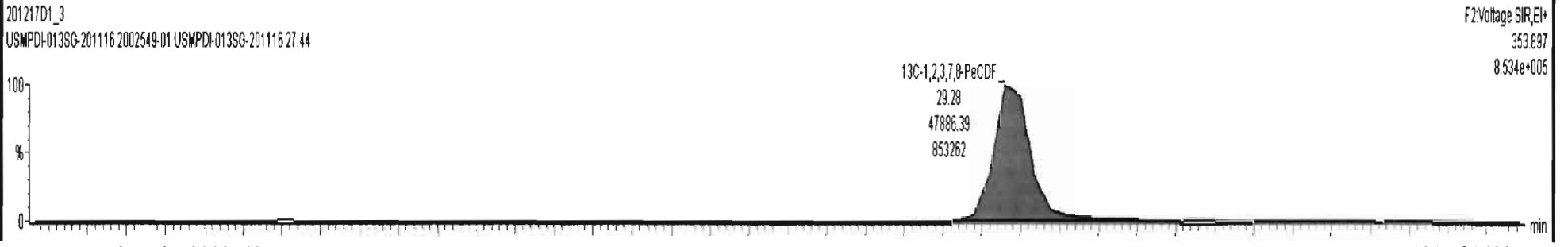
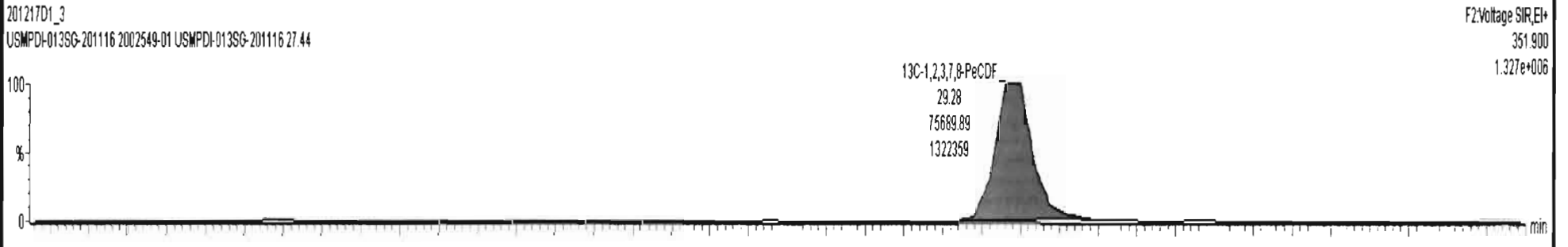
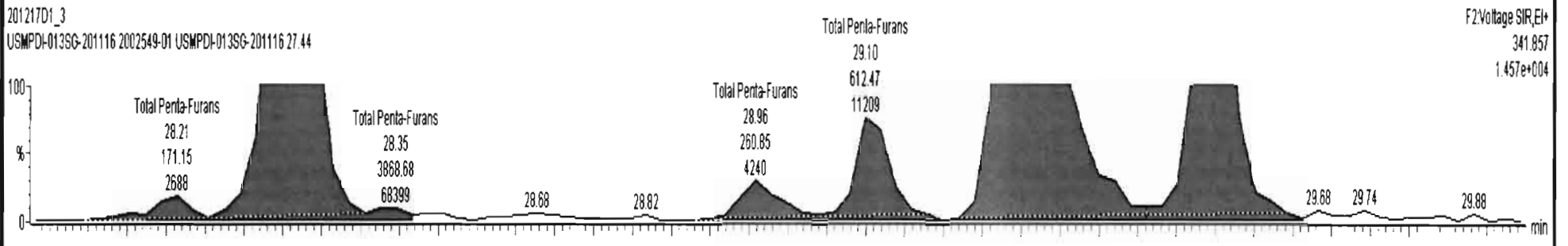
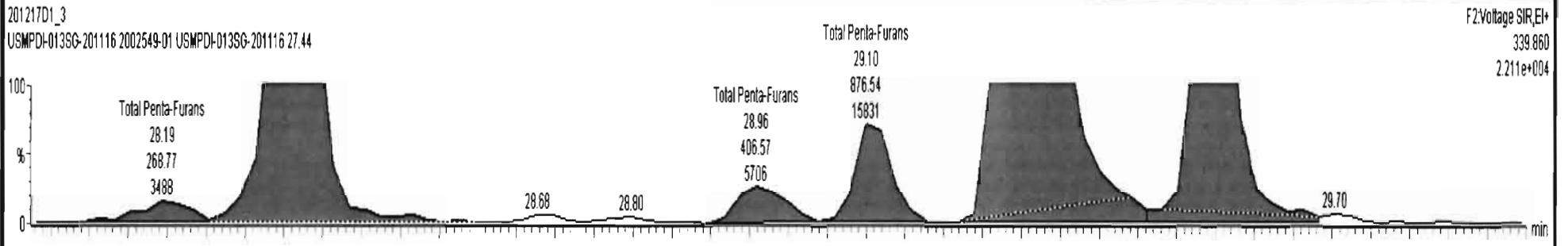


201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116





201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116



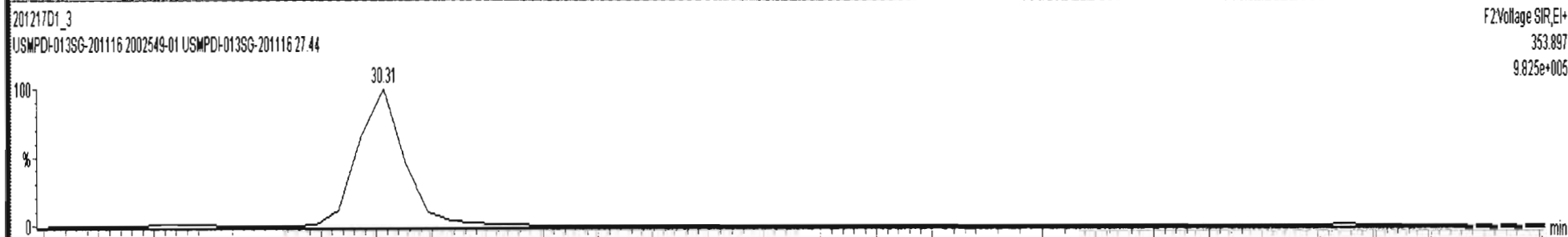
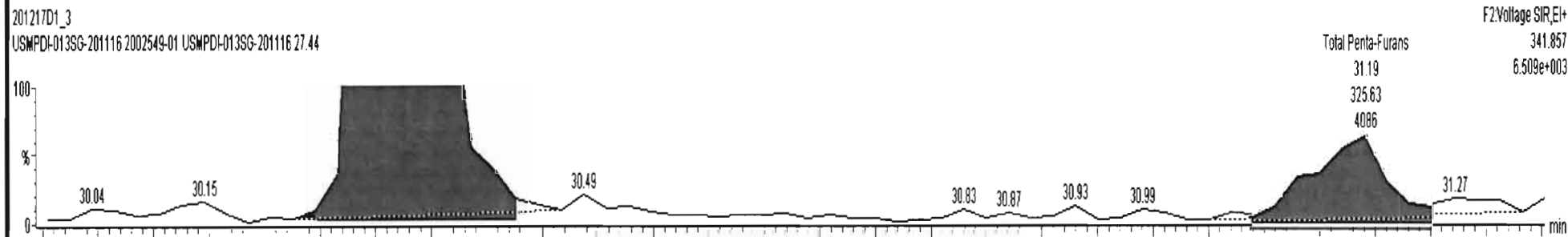
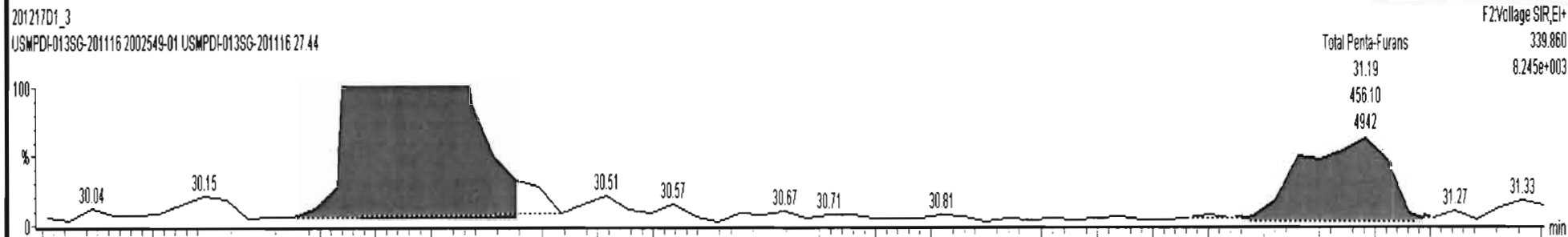


201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116





201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116

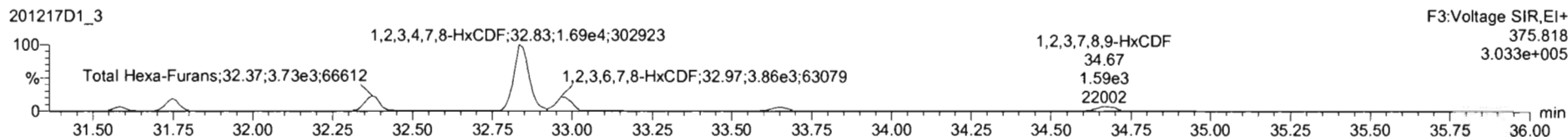
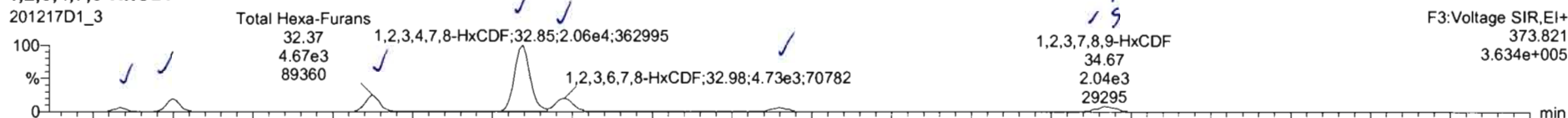


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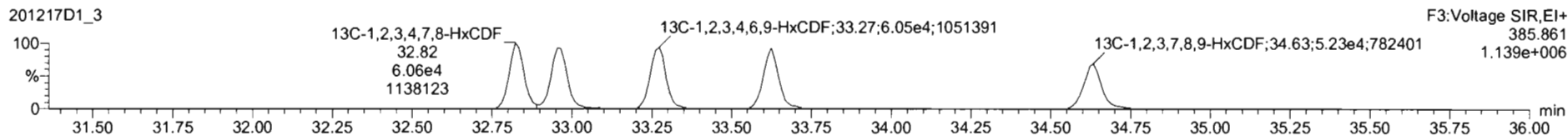
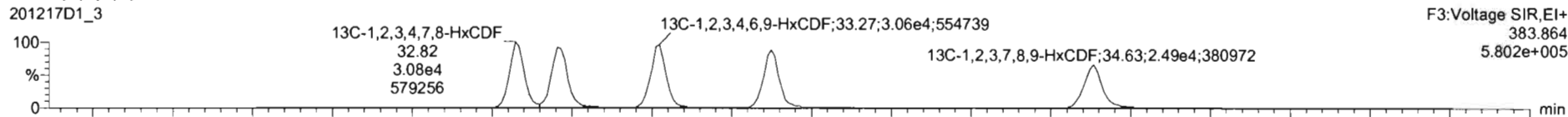
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Printed: Friday, December 18, 2020 09:38:23 Pacific Standard Time

Name: 201217D1\_3, Date: 17-Dec-2020, Time: 11:56:55, ID: 2002549-01 USMPDI-013SG-201116 27.44, Description: USMPDI-013SG-201116

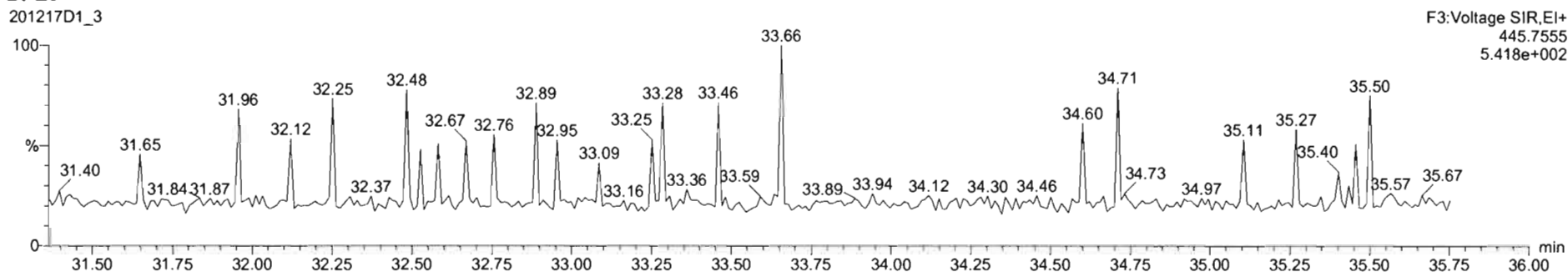
1,2,3,4,7,8-HxCDF



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



DPE3



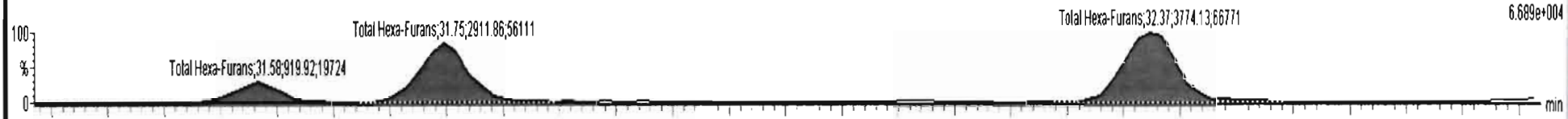


201217D1\_3-2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116

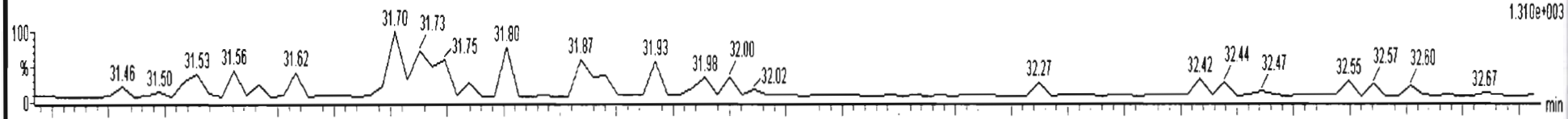
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USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44 8.965e+004



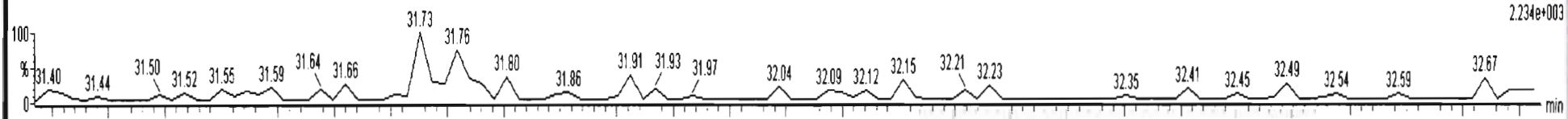
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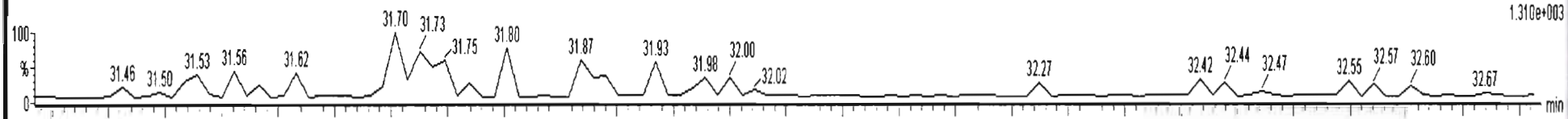
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USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44 1.310e+003



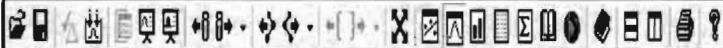
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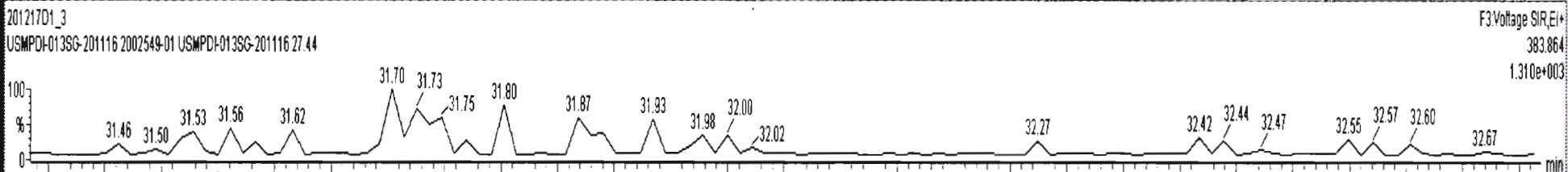
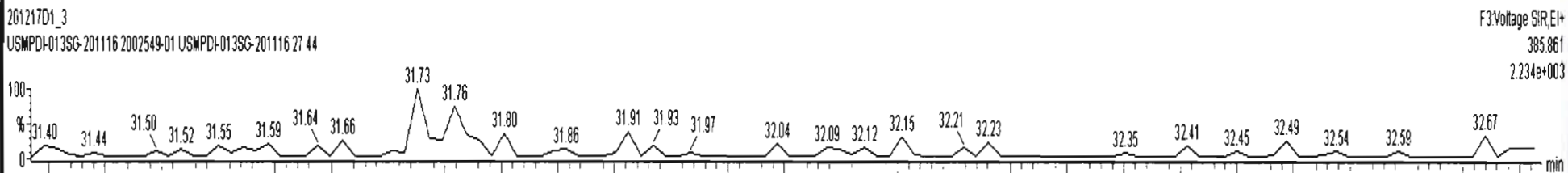
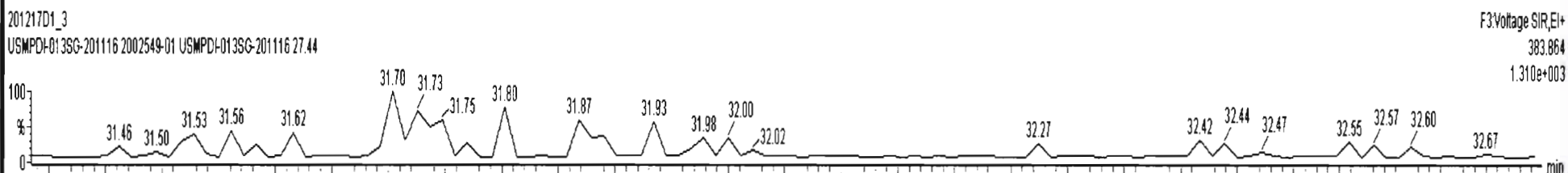
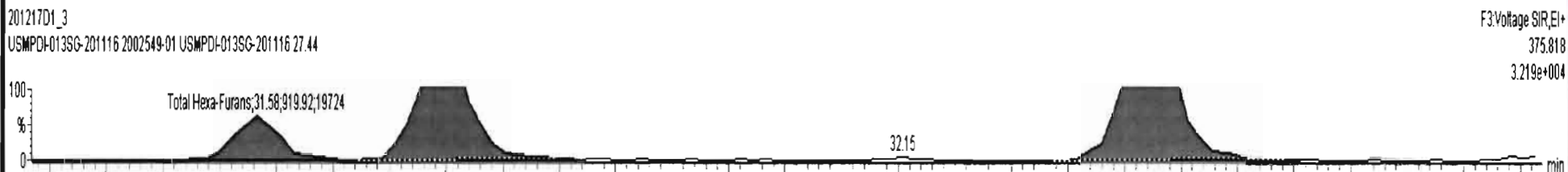
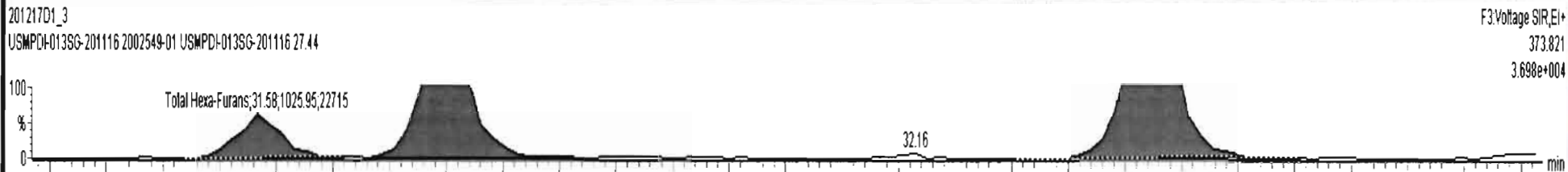
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USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44 1.310e+003



201217D1\_3 F3:Voltage SIR,EI+ 385.861  
USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44



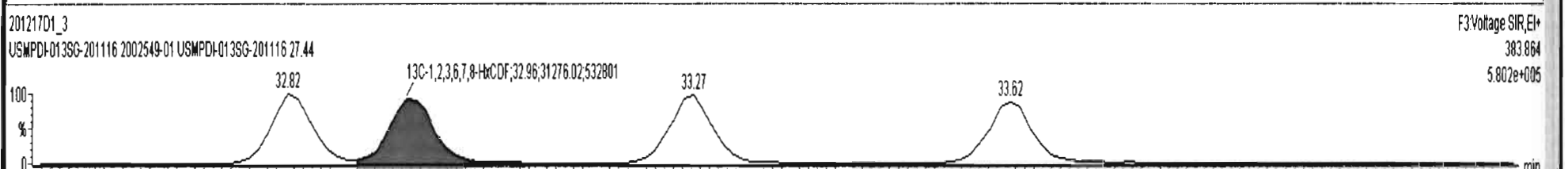
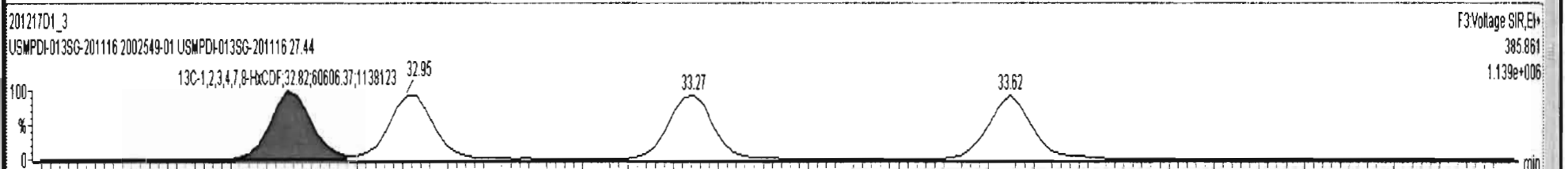
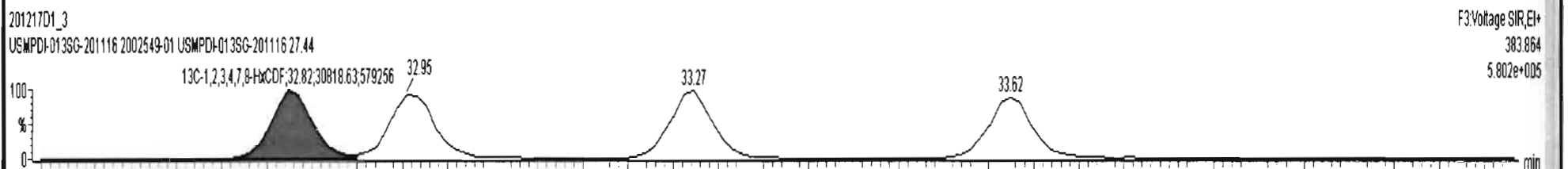
20121701\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116

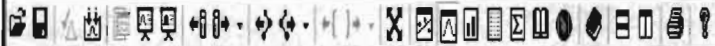




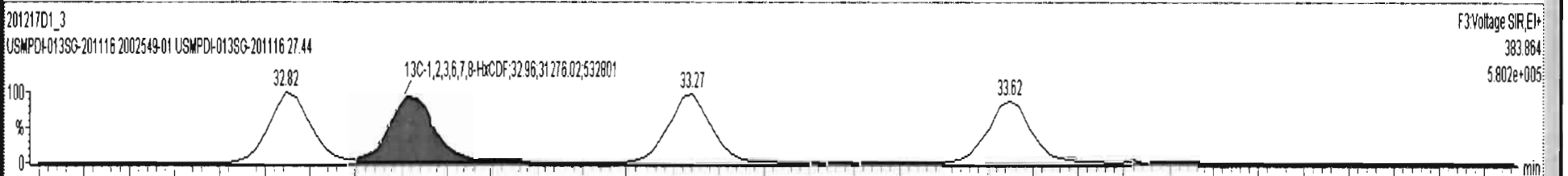
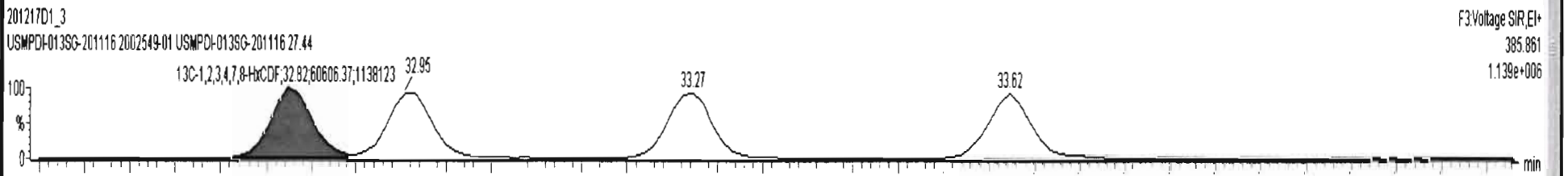
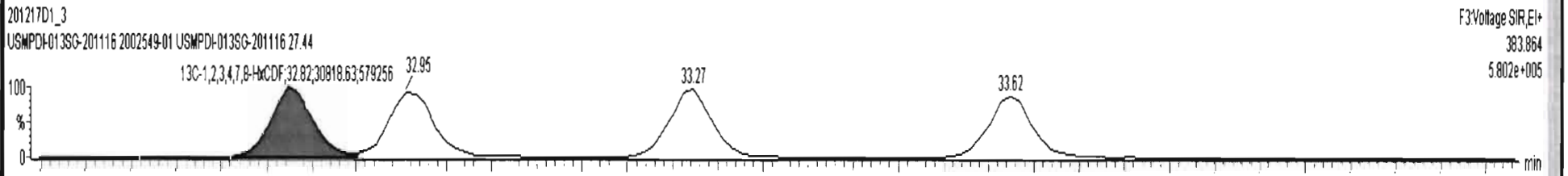
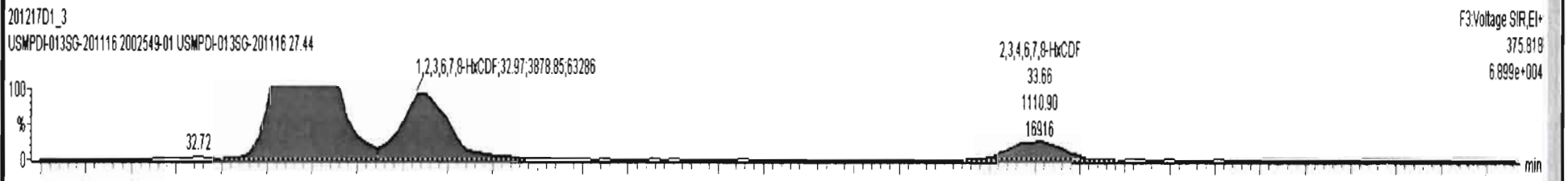


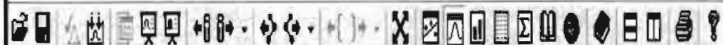
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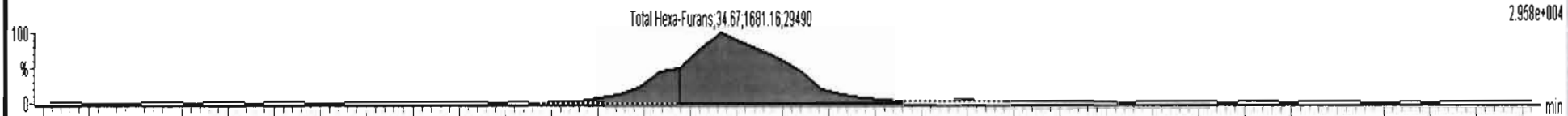
201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116



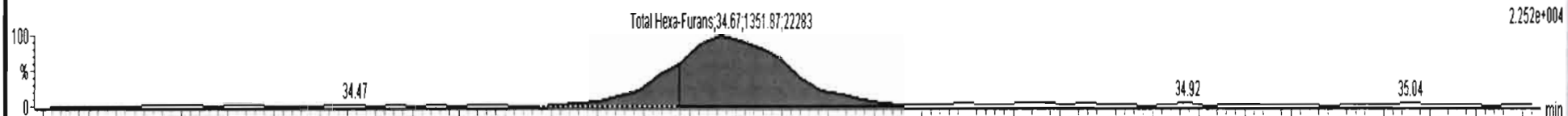


201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116

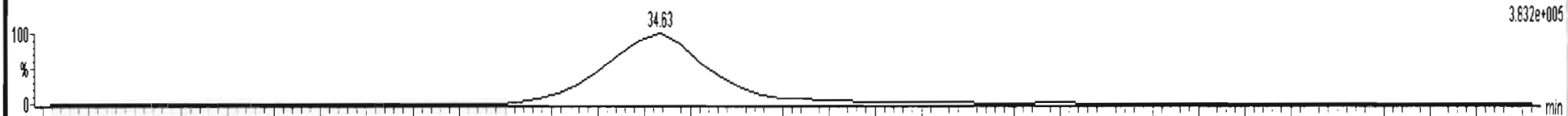
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USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44 373.821  
2.958e+004



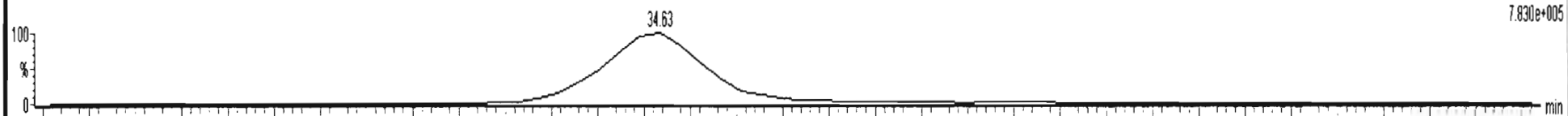
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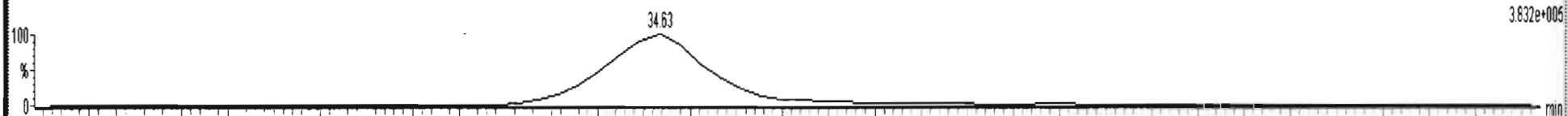
201217D1\_3 F3:Voltage SIR,EI+  
USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44 383.864  
3.632e+005



201217D1\_3 F3:Voltage SIR,EI+  
USMPDI-013SG-201116 2002549-01 USMPDI-013SG-201116 27.44 385.861  
7.830e+005



201217D1\_3 F3:Voltage SIR,EI+  
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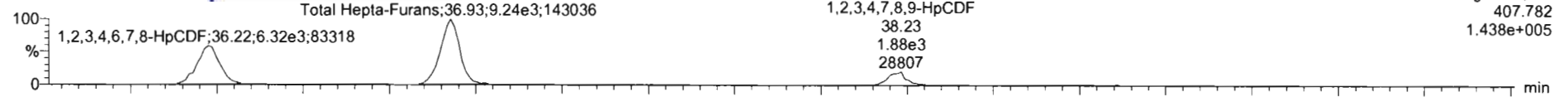
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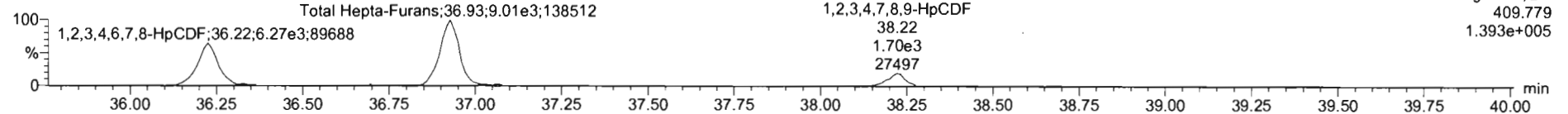
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**1,2,3,4,6,7,8-HpCDF**

201217D1\_3

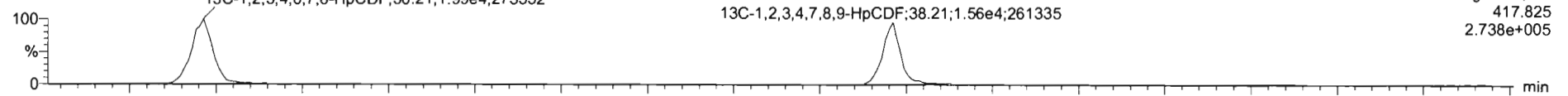


201217D1\_3

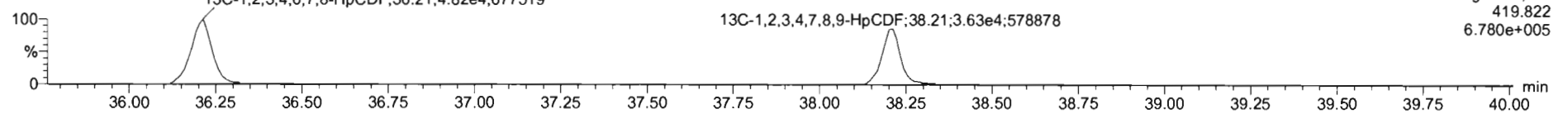


**13C-1,2,3,4,6,7,8-HpCDF**

201217D1\_3

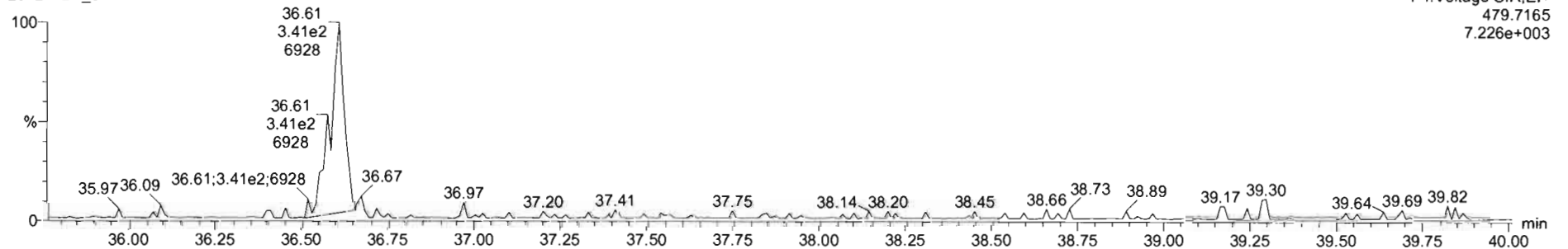


201217D1\_3



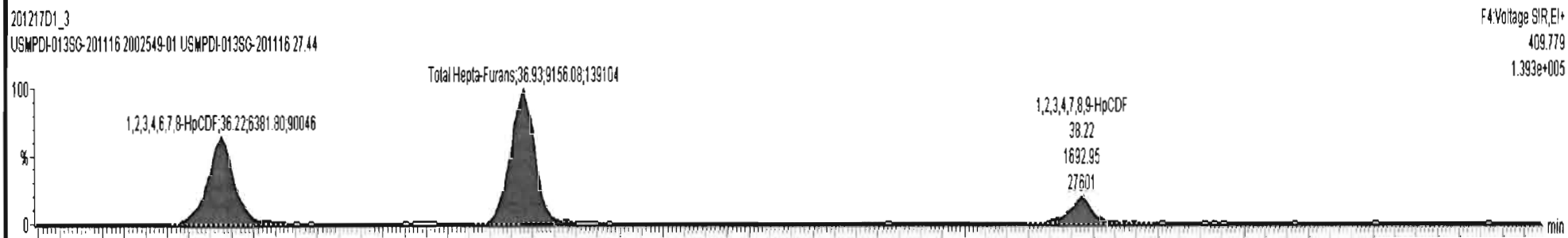
**DPE4**

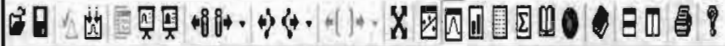
201217D1\_3



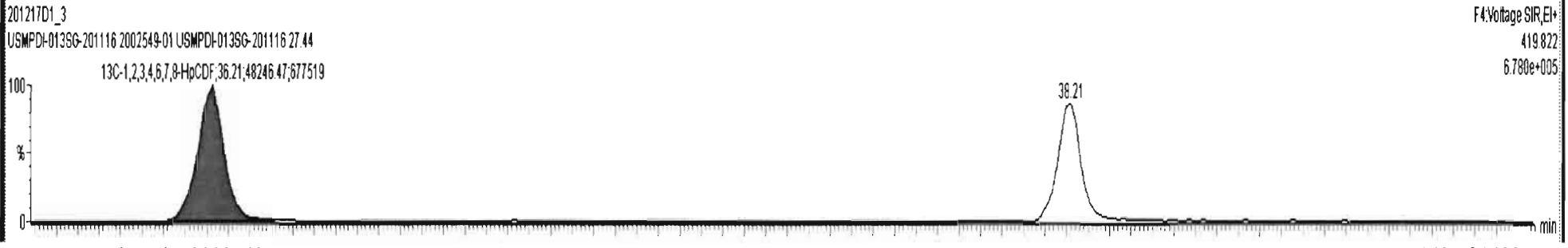
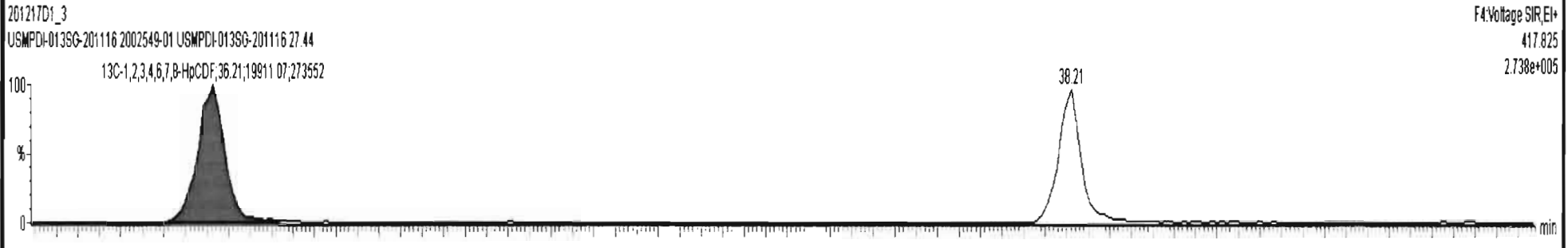
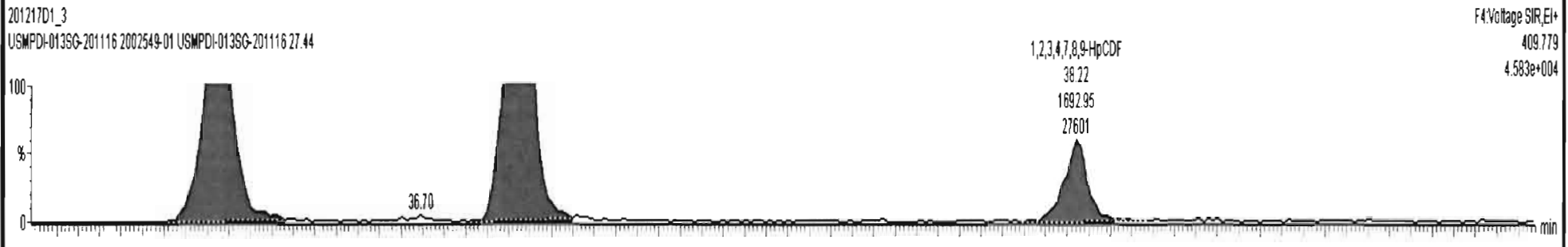
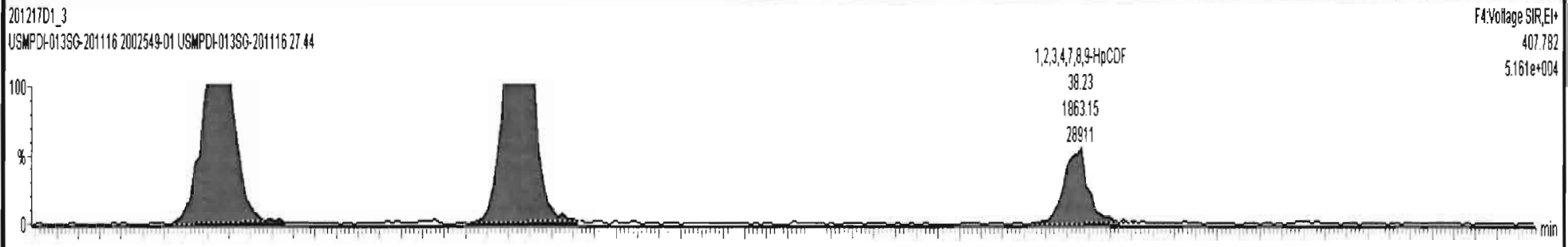


201217D1\_3 - 2002549-01 USM PDI-013SG-201116 27.44 - USM PDI-013SG-201116





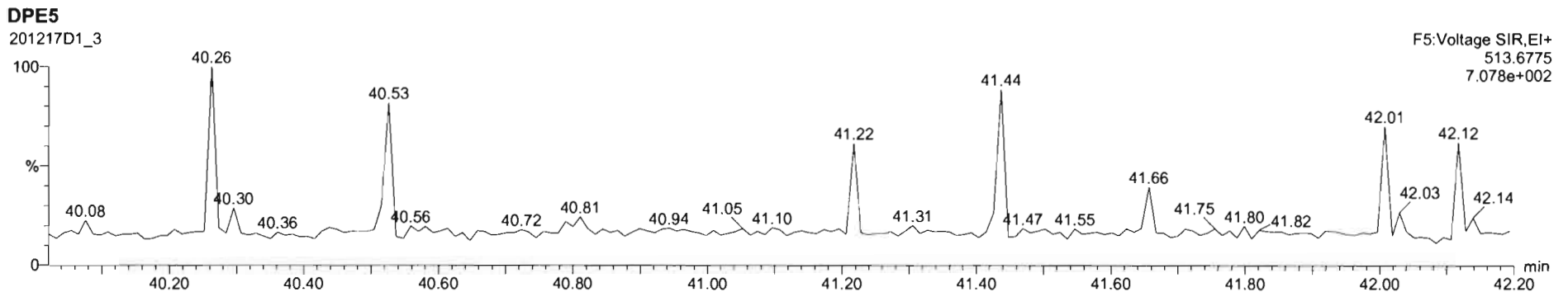
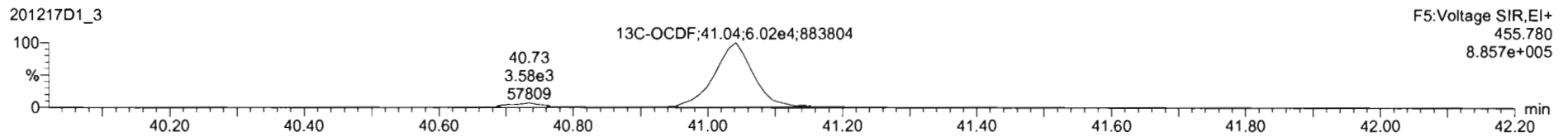
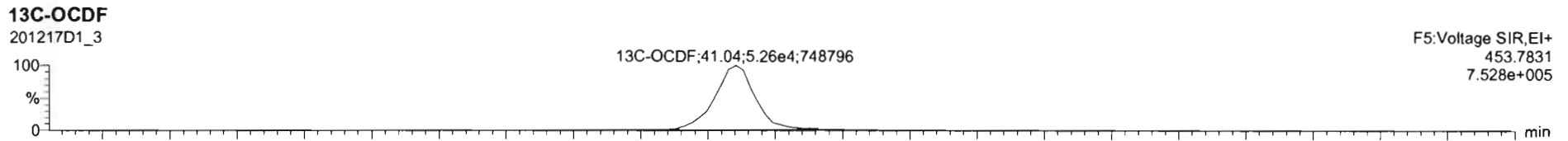
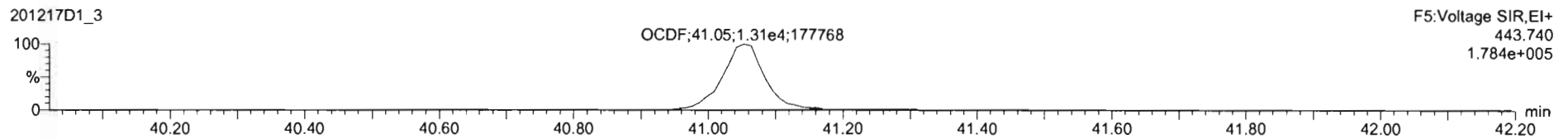
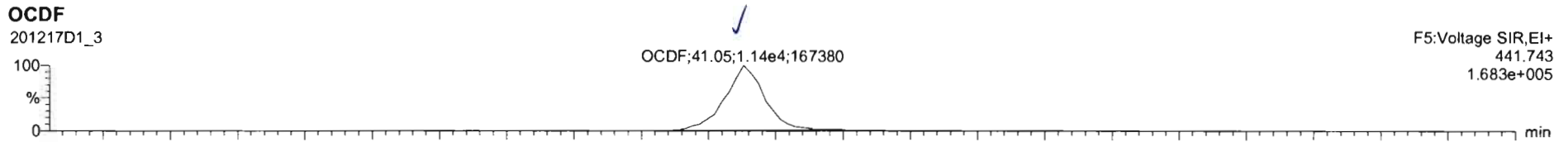
201217D1\_3 - 2002549-01 USMPDI-013SG-201116 27.44 - USMPDI-013SG-201116



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_3.qld

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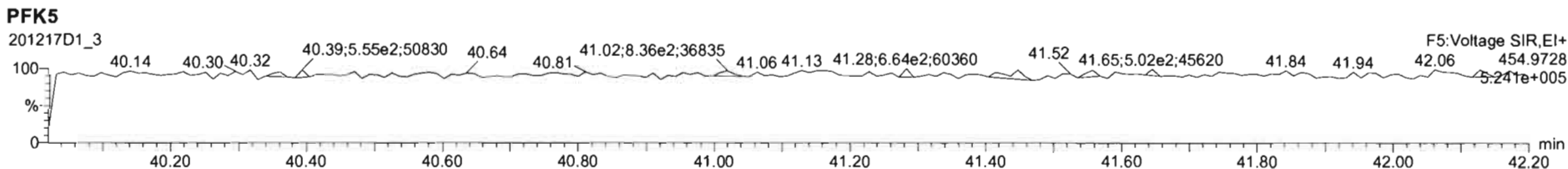
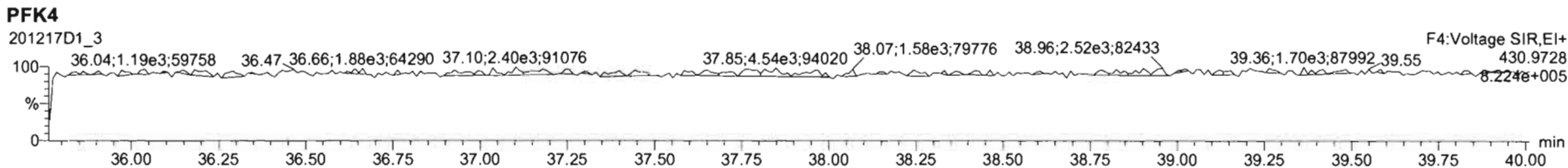
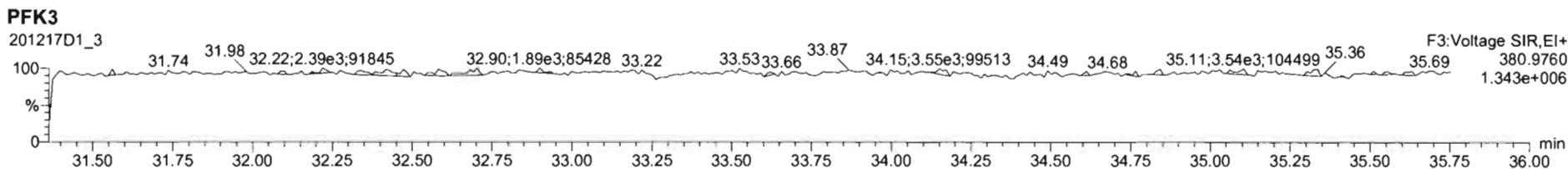
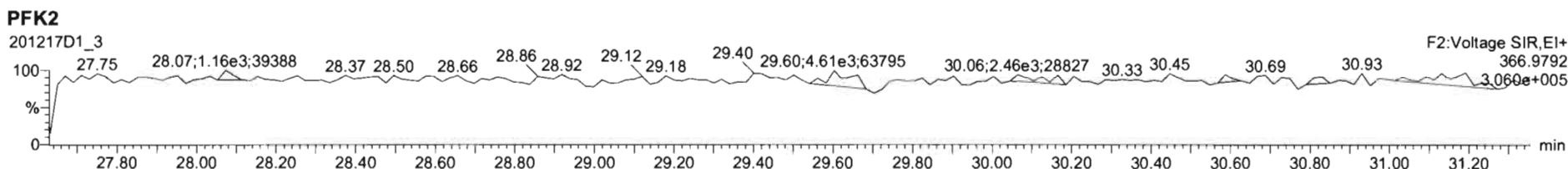
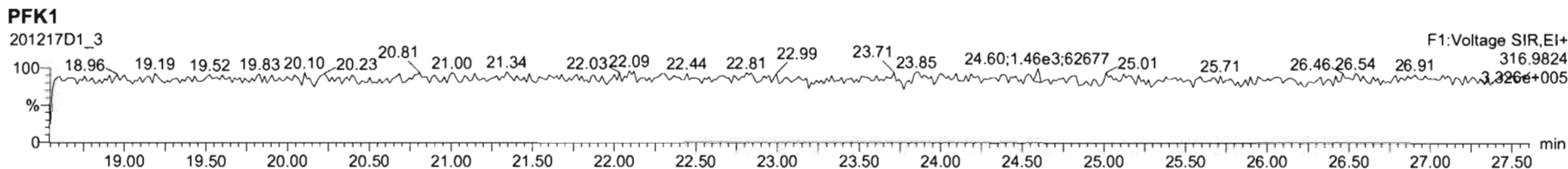
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*DB 12/21/20*

Method: Untitled 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

*Turn  
12/21/20*

Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

#	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			NO	1.00	10.112	26.066		1.001				0.136	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.112	30.508		1.001				0.197	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	10.112	33.755		1.000				0.437	
4	4 1,2,3,6,7,8-HxCDD	9.53e2	1.24	NO	1.02	10.112	33.866	33.89	1.000	1.001	2.2584		0.443	2.26
5	5 1,2,3,7,8,9-HxCDD	4.08e2	1.55	YES	1.06	10.112	34.174	34.14	1.001	1.000	0.97160		0.499	0.854
6	6 1,2,3,4,6,7,8-HpCDD	3.56e4	1.02	NO	1.00	10.112	37.564	37.58	1.000	1.001	109.85		1.48	110
7	7 OCDD	2.88e5	0.88	NO	0.952	10.112	40.724	40.74	1.000	1.000	1154.2		0.909	1150
8	8 2,3,7,8-TCDF	2.43e3	0.74	NO	1.01	10.112	25.403	25.41	1.001	1.001	2.8997		0.217	2.90
9	9 1,2,3,7,8-PeCDF	4.31e3	1.69	NO	0.998	10.112	29.321	29.32	1.001	1.001	6.3944		0.174	6.39
10	10 2,3,4,7,8-PeCDF	2.47e3	1.53	NO	1.07	10.112	30.336	30.33	1.001	1.001	3.4727		0.162	3.47
11	11 1,2,3,4,7,8-HxCDF	5.85e3	1.15	NO	1.05	10.112	32.834	32.86	1.000	1.001	11.242		0.234	11.2
12	12 1,2,3,6,7,8-HxCDF	1.53e3	1.23	NO	1.10	10.112	32.976	32.98	1.000	1.000	2.8040		0.224	2.80
13	13 2,3,4,6,7,8-HxCDF	6.65e2	1.33	NO	1.09	10.112	33.669	33.66	1.001	1.001	1.3023		0.248	1.30
14	14 1,2,3,7,8,9-HxCDF	2.30e2	1.22	NO	1.08	10.112	34.634	34.67	1.000	1.001	0.50364		0.313	0.504
15	15 1,2,3,4,6,7,8-HpCDF	3.85e3	1.01	NO	1.13	10.112	36.261	36.24	1.001	1.000	9.2341		0.402	9.23
16	16 1,2,3,4,7,8,9-HpCDF	5.18e2	1.09	NO	1.29	10.112	38.211	38.23	1.000	1.001	1.4236		0.385	1.42
17	17 OCDF	4.79e3	0.87	NO	0.953	10.112	41.053	41.06	1.000	1.000	16.060		0.455	16.1
18	18 13C-2,3,7,8-TCDD	1.20e5	0.75	NO	1.17	10.112	25.959	26.03	1.026	1.029	200.30	101	1.08	
19	19 13C-1,2,3,7,8-PeCDD	8.96e4	0.60	NO	0.914	10.112	30.510	30.49	1.206	1.205	191.51	96.8	0.728	
20	20 13C-1,2,3,4,7,8-HxCDD	6.88e4	1.30	NO	0.634	10.112	33.750	33.74	1.014	1.014	222.72	113	1.13	
21	21 13C-1,2,3,6,7,8-HxCDD	8.15e4	1.27	NO	0.724	10.112	33.860	33.87	1.017	1.017	230.81	117	0.984	
22	22 13C-1,2,3,7,8,9-HxCDD	7.83e4	1.26	NO	0.716	10.112	34.129	34.14	1.025	1.026	224.43	113	0.996	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.39e4	1.05	NO	0.660	10.112	37.578	37.55	1.129	1.128	198.50	100	1.35	
24	24 13C-OCDD	1.04e5	0.89	NO	0.587	10.112	40.587	40.72	1.219	1.224	362.20	91.6	0.829	
25	25 13C-2,3,7,8-TCDF	1.63e5	0.76	NO	1.02	10.112	25.359	25.38	1.002	1.003	199.68	101	0.752	
26	26 13C-1,2,3,7,8-PeCDF	1.34e5	1.59	NO	0.842	10.112	29.240	29.30	1.156	1.158	198.37	100	0.912	
27	27 13C-2,3,4,7,8-PeCDF	1.31e5	1.61	NO	0.802	10.112	30.133	30.31	1.191	1.198	204.38	103	0.958	
28	28 13C-1,2,3,4,7,8-HxCDF	9.79e4	0.51	NO	1.00	10.112	32.885	32.83	0.988	0.986	200.20	101	1.54	
29	29 13C-1,2,3,6,7,8-HxCDF	9.83e4	0.49	NO	1.02	10.112	33.018	32.97	0.992	0.990	197.80	100	1.51	
30	30 13C-2,3,4,6,7,8-HxCDF	9.28e4	0.51	NO	0.955	10.112	33.587	33.63	1.009	1.011	199.31	101	1.61	
31	31 13C-1,2,3,7,8,9-HxCDF	8.36e4	0.49	NO	0.851	10.112	34.662	34.63	1.041	1.041	201.49	102	1.81	

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_4.qld

Last Altered: Monday, December 21, 2020 15:10:34 Pacific Standard Time  
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Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.29e4	0.43	NO	0.848	10.112	36.180	36.22	1.087	1.088	176.06	89.0	1.36	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.59e4	0.42	NO	0.624	10.112	38.177	38.21	1.147	1.148	183.73	92.9	1.85	
34	34 13C-OCDF	1.24e5	0.91	NO	0.730	10.112	40.740	41.05	1.224	1.233	347.67	87.9	0.691	
35	35 37Cl-2,3,7,8-TCDD	4.63e4			1.21	10.112	25.956	26.05	1.026	1.030	75.008	94.8	0.220	
36	36 13C-1,2,3,4-TCDD	1.01e5	0.77	NO	1.00	10.112	25.300	25.30	1.000	1.000	197.78	100	1.27	
37	37 13C-1,2,3,4-TCDF	1.58e5	0.79	NO	1.00	10.112	23.880	23.90	1.000	1.000	197.78	100	0.769	
38	38 13C-1,2,3,4,6,9-HxCDF	9.65e4	0.49	NO	1.00	10.112	33.310	33.28	1.000	1.000	197.78	100	1.54	
39	39 Total Tetra-Dioxins				1.00	10.112	24.620		0.000		0.73185		0.136	0.732
40	40 Total Penta-Dioxins				0.935	10.112	29.960		0.000		0.63508		0.197	0.635
41	41 Total Hexa-Dioxins				1.02	10.112	33.635		0.000		19.482		0.483	20.3
42	42 Total Hepta-Dioxins				1.00	10.112	37.640		0.000		282.51		1.48	283
43	43 Total Tetra-Furans				1.01	10.112	23.610		0.000		5.7536		0.217	7.70
44	44 1st Func. Penta-Furans				0.998	10.112	26.750		0.000		2.5974		0.0715	2.60
45	45 Total Penta-Furans				0.998	10.112	29.275		0.000		17.106		0.174	17.5
46	46 Total Hexa-Furans				1.09	10.112	33.555		0.000		30.020		0.251	30.0
47	47 Total Hepta-Furans				1.13	10.112	37.835		0.000		26.016		0.418	26.0

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_4.qld

Last Altered: Monday, December 21, 2020 15:10:34 Pacific Standard Time

Printed: Monday, December 21, 2020 15:11:40 Pacific Standard Time

Method: Untitled 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	25.77	3.703e3	3.730e3	2.050e2	2.409e2	0.85	NO	4.458e2	0.73185	0.73185	0.136

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.33	1.977e3	2.697e3	1.064e2	1.626e2	0.65	NO	2.690e2	0.63508	0.63508	0.197

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.12	4.286e4	3.251e4	2.118e3	1.653e3	1.28	NO	3.771e3	9.5578	9.5578	0.483
2	Total Hexa-Dioxins	32.71	4.100e3	3.341e3	1.842e2	1.674e2	1.10	NO	3.516e2	0.89121	0.89121	0.483
3	Total Hexa-Dioxins	32.99	3.030e4	2.020e4	1.390e3	9.817e2	1.42	NO	2.372e3	6.0116	6.0116	0.483
4	Total Hexa-Dioxins	33.10	3.144e3	2.731e3	1.564e2	1.446e2	1.08	NO	3.010e2	0.76297	0.76297	0.483
5	1,2,3,6,7,8-HxCDD	33.89	7.878e3	7.293e3	5.268e2	4.262e2	1.24	NO	9.530e2	2.2584	2.2584	0.443
6	1,2,3,7,8,9-HxCDD	34.14	4.173e3	2.820e3	2.481e2	1.601e2	1.55	YES	4.083e2	0.00000	0.85364	0.499

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.62	4.300e5	3.951e5	2.852e4	2.737e4	1.04	NO	5.589e4	172.66	172.66	1.48
2	1,2,3,4,6,7,8-HpCDD	37.58	3.188e5	3.156e5	1.792e4	1.764e4	1.02	NO	3.556e4	109.85	109.85	1.48

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Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_4.qld

Last Altered: Monday, December 21, 2020 15:10:34 Pacific Standard Time

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Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.60	2.867e3	3.864e3	2.667e2	3.640e2	0.73	NO	6.307e2	0.75376	0.75376	0.217
2	Total Tetra-Furans	22.50	3.708e3	3.497e3	3.249e2	3.334e2	0.97	YES	0.000e0	0.00000	0.70519	0.217
3	Total Tetra-Furans	22.95	1.826e3	1.930e3	1.241e2	1.244e2	1.00	YES	0.000e0	0.00000	0.26321	0.217
4	Total Tetra-Furans	23.97	2.321e3	2.107e3	2.183e2	2.885e2	0.76	NO	0.000e0	0.00000	0.60572	0.217
5	Total Tetra-Furans	24.44	1.039e3	1.242e4	6.780e2	8.934e2	0.76	NO	1.571e3	1.8780	1.8780	0.217
6	Total Tetra-Furans	25.29	3.260e3	2.677e3	1.796e2	1.758e2	1.02	YES	0.000e0	0.00000	0.37191	0.217
7	2,3,7,8-TCDF	25.41	1.523e4	2.188e4	1.036e3	1.390e3	0.74	NO	2.426e3	2.8997	2.8997	0.217
8	Total Tetra-Furans	27.03	1.676e3	2.581e3	8.303e1	1.028e2	0.81	NO	1.858e2	0.22211	0.22211	0.217

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.82	1.800e4	1.133e4	1.059e3	6.756e2	1.57	NO	1.735e3	2.5974	2.5974	0.0715

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.37	2.656e4	1.690e4	1.538e3	1.045e3	1.47	NO	2.583e3	3.8675	3.8675	0.174
2	Total Penta-Furans	28.98	2.967e3	2.243e3	1.687e2	1.616e2	1.04	YES	0.000e0	0.00000	0.41540	0.174
3	Total Penta-Furans	29.12	4.767e3	2.725e3	2.790e2	1.913e2	1.46	NO	4.703e2	0.70409	0.70409	0.174
4	1,2,3,7,8-PeCDF	29.32	4.828e4	2.712e4	2.710e3	1.602e3	1.69	NO	4.312e3	6.3944	6.3944	0.174
5	Total Penta-Furans	29.56	1.925e4	1.641e4	1.032e3	7.498e2	1.38	NO	1.782e3	2.6676	2.6676	0.174
6	2,3,4,7,8-PeCDF	30.33	3.174e4	2.058e4	1.498e3	9.758e2	1.53	NO	2.474e3	3.4727	3.4727	0.162

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_4.qld

Last Altered: Monday, December 21, 2020 15:10:34 Pacific Standard Time

Printed: Monday, December 21, 2020 15:11:40 Pacific Standard Time

Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.59	1.041e4	7.798e3	4.678e2	3.701e2	1.26	NO	8.379e2	1.6357	1.6357	0.251
2	Total Hexa-Furans	31.76	3.015e4	2.403e4	1.432e3	1.227e3	1.17	NO	2.659e3	5.1911	5.1911	0.251
3	Total Hexa-Furans	32.37	3.553e4	3.213e4	1.787e3	1.524e3	1.17	NO	3.311e3	6.4644	6.4644	0.251
4	1,2,3,4,7,8-HxCDF	32.86	5.667e4	4.997e4	3.131e3	2.721e3	1.15	NO	5.852e3	11.242	11.242	0.234
5	1,2,3,6,7,8-HxCDF	32.98	1.445e4	1.235e4	8.456e2	6.864e2	1.23	NO	1.532e3	2.8040	2.8040	0.224
6	2,3,4,6,7,8-HxCDF	33.66	5.783e3	4.192e3	3.792e2	2.855e2	1.33	NO	6.647e2	1.3023	1.3023	0.248
7	1,2,3,7,8,9-HxCDF	34.67	4.386e3	3.853e3	1.265e2	1.039e2	1.22	NO	2.304e2	0.50364	0.50364	0.313
8	Total Hexa-Furans	34.68	6.181e3	4.334e3	2.543e2	1.952e2	1.30	NO	4.495e2	0.87758	0.87758	0.251

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.24	2.615e4	2.824e4	1.934e3	1.911e3	1.01	NO	3.845e3	9.2341	9.2341	0.402
2	Total Hepta-Furans	36.93	4.593e4	4.632e4	2.823e3	2.830e3	1.00	NO	5.653e3	15.358	15.358	0.418
3	1,2,3,4,7,8,9-HpCDF	38.23	4.765e3	4.368e3	2.696e2	2.481e2	1.09	NO	5.177e2	1.4236	1.4236	0.385

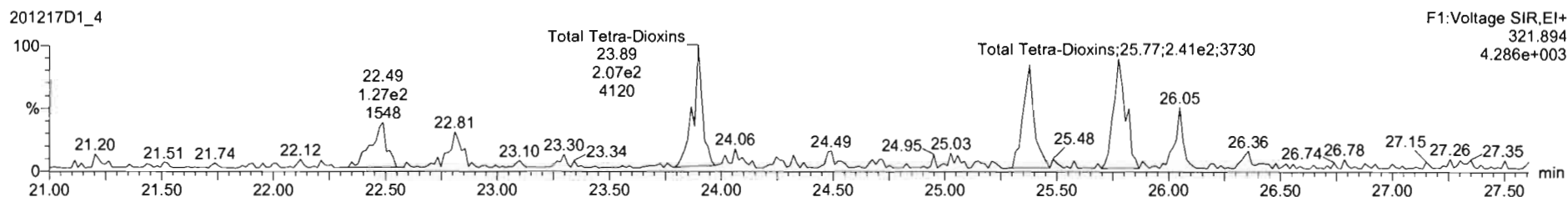
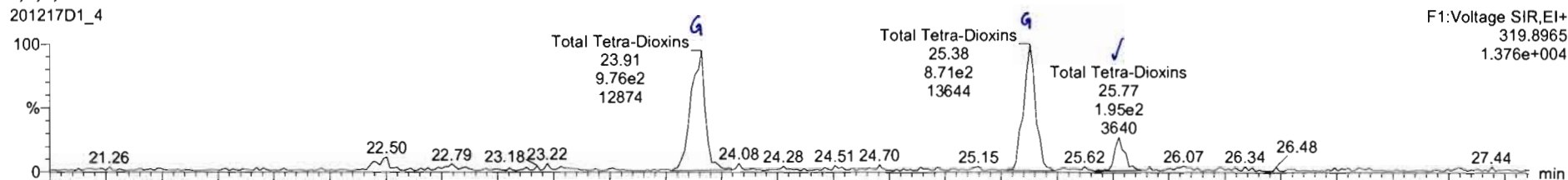
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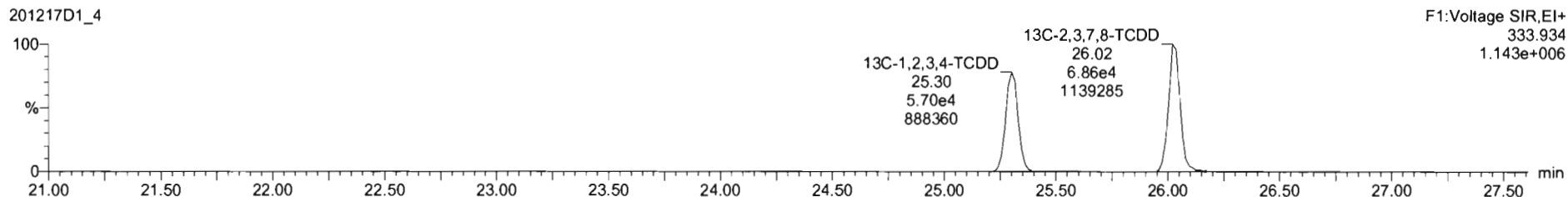
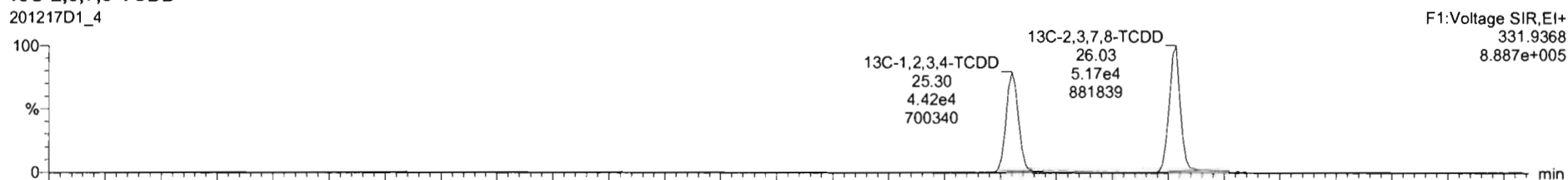
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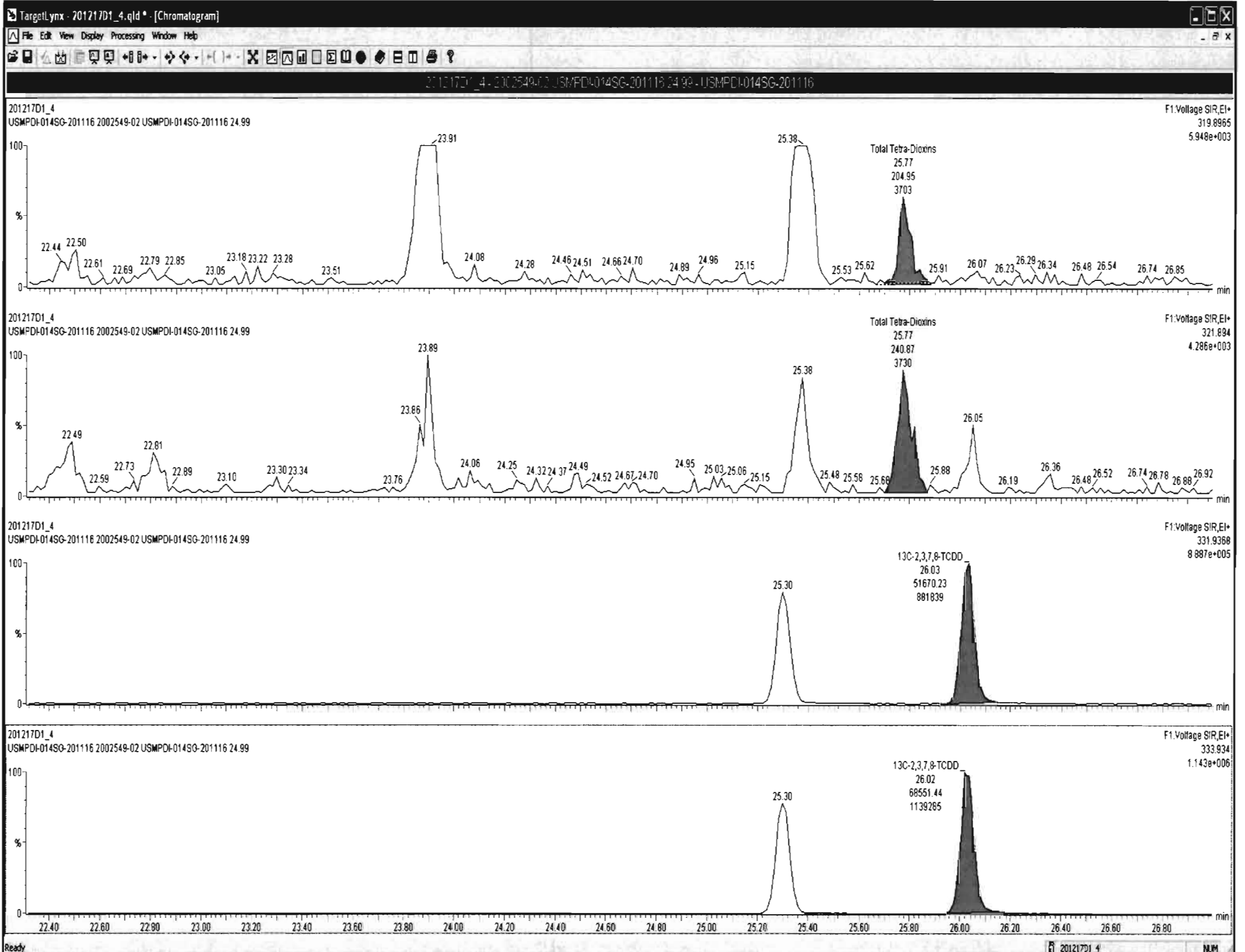
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2,3,7,8-TCDD



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





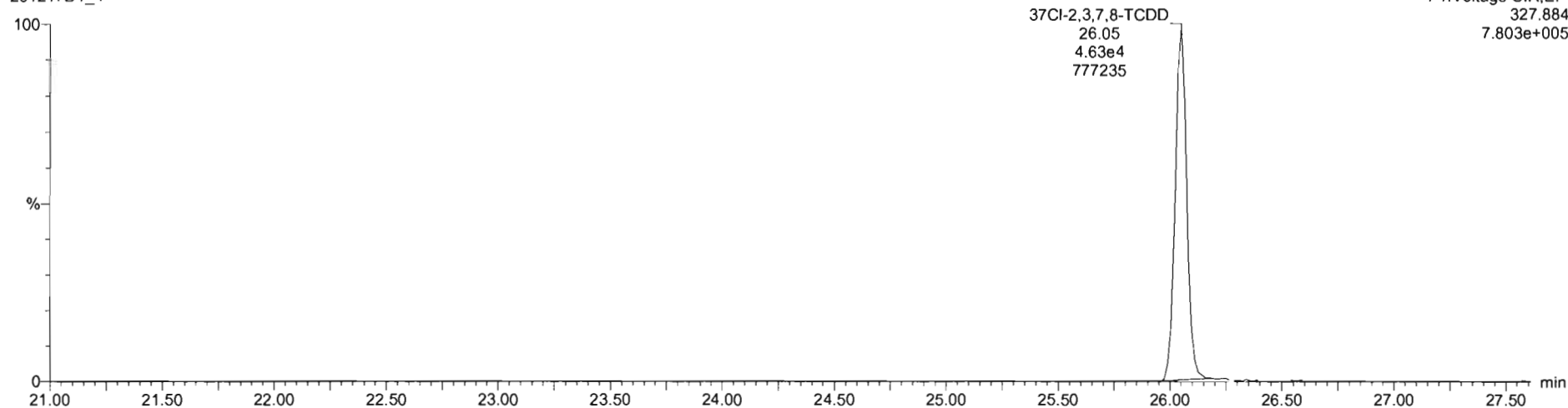
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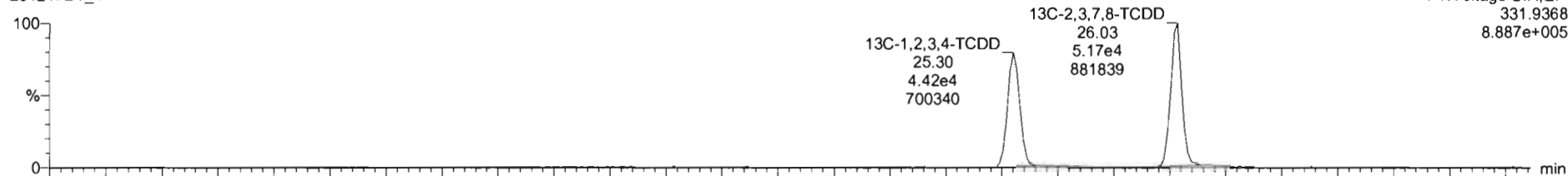
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201217D1\_4

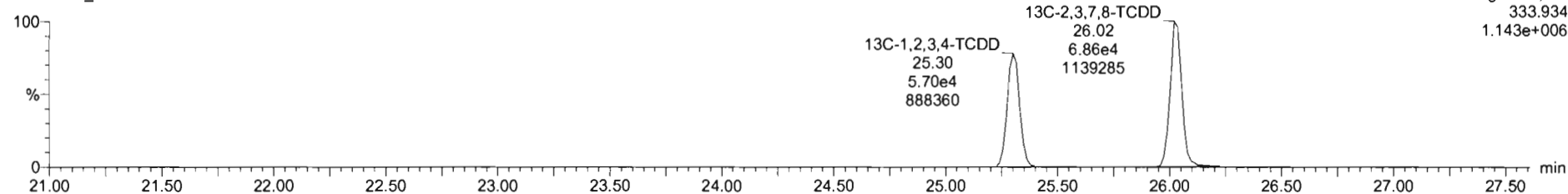


**13C-1,2,3,4-TCDD**

201217D1\_4



201217D1\_4





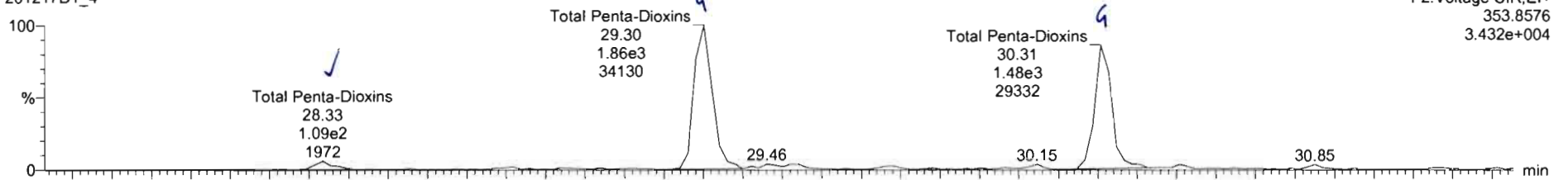
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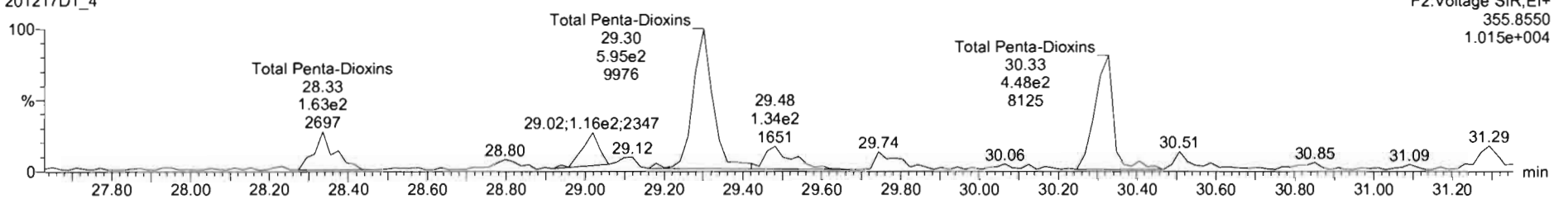
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**1,2,3,7,8-PeCDD**

201217D1\_4

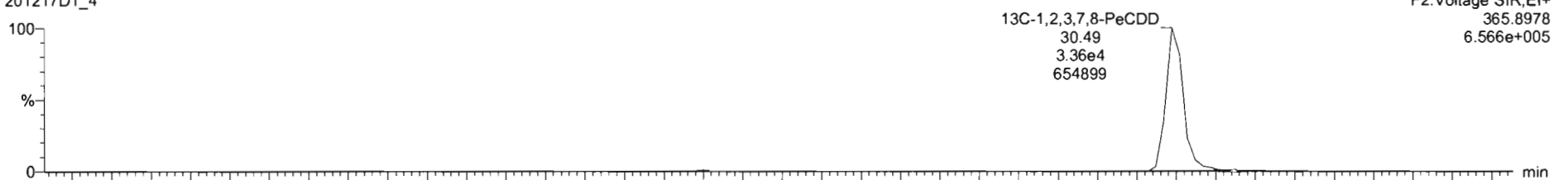


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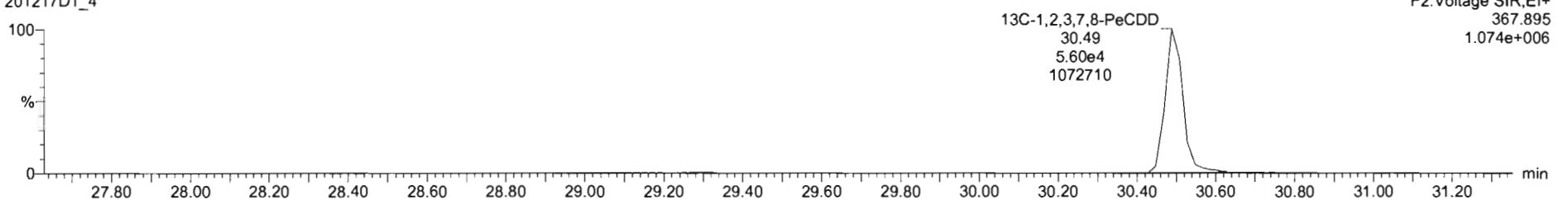


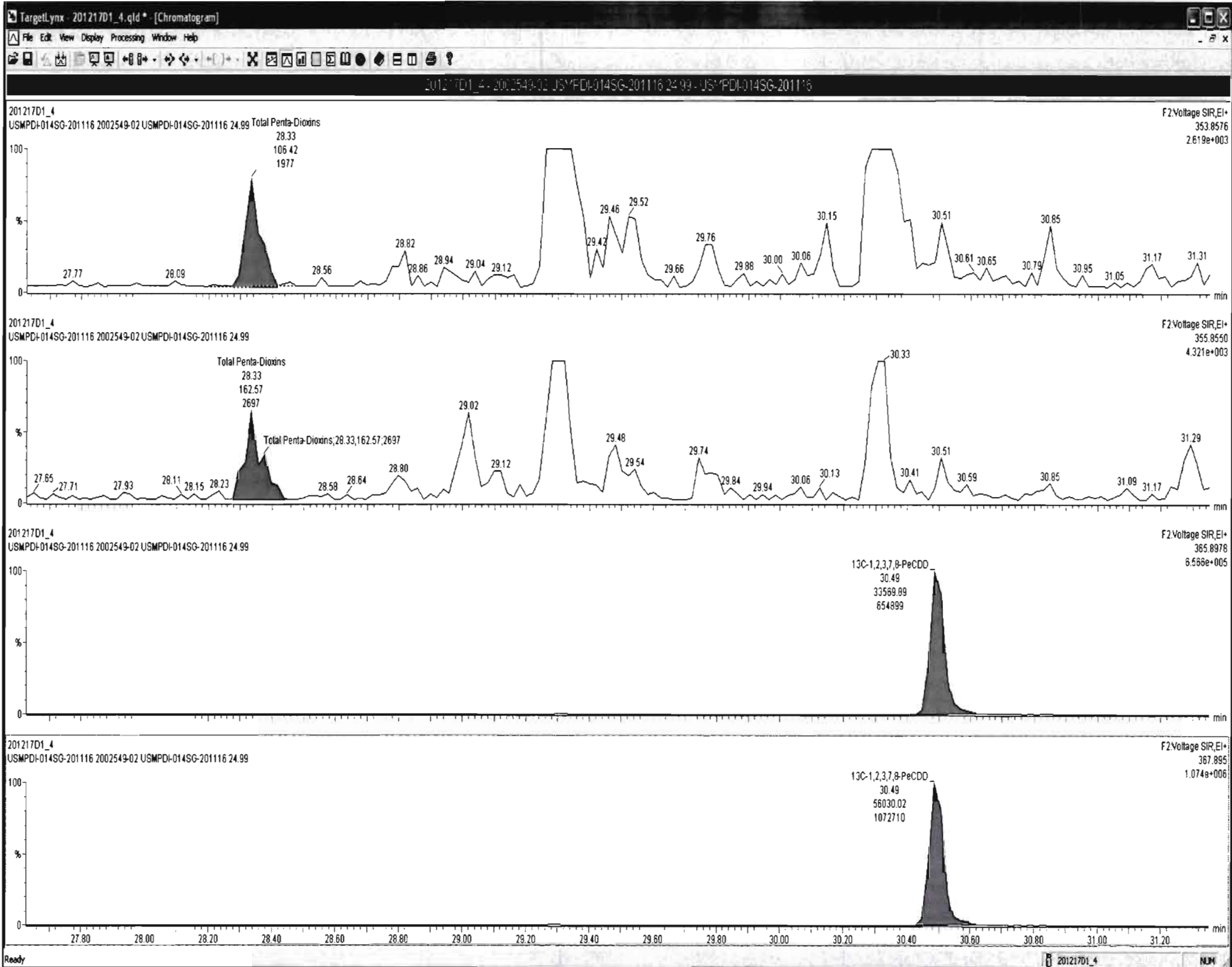
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201217D1\_4



201217D1\_4



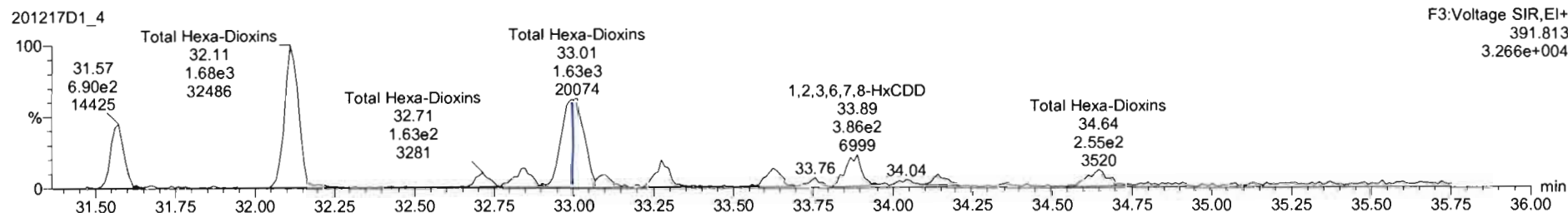
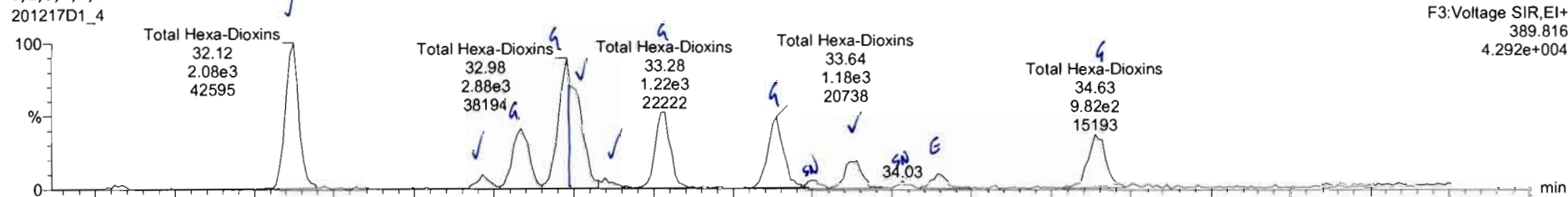


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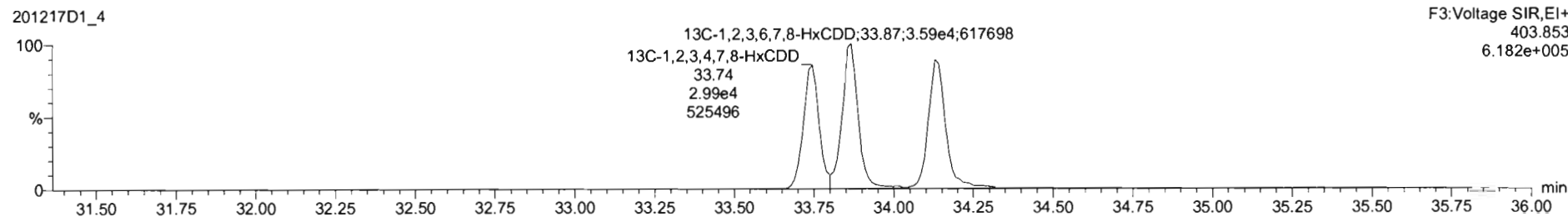
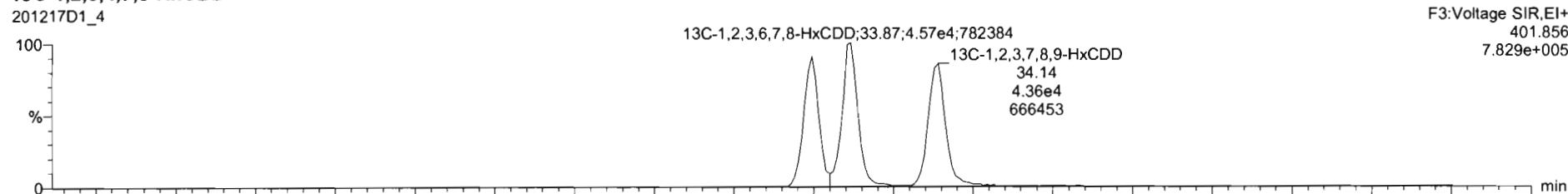
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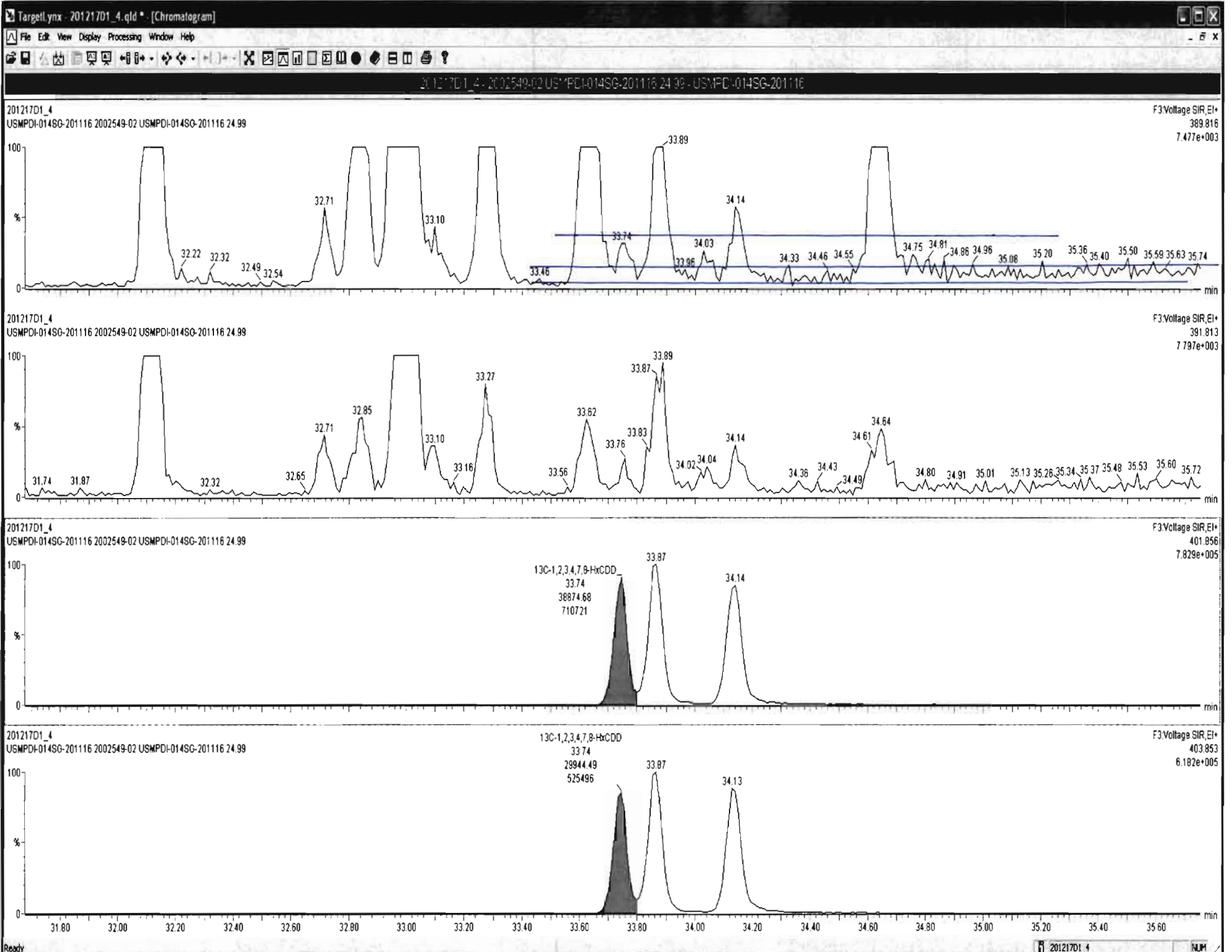
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**1,2,3,4,7,8-HxCDD**



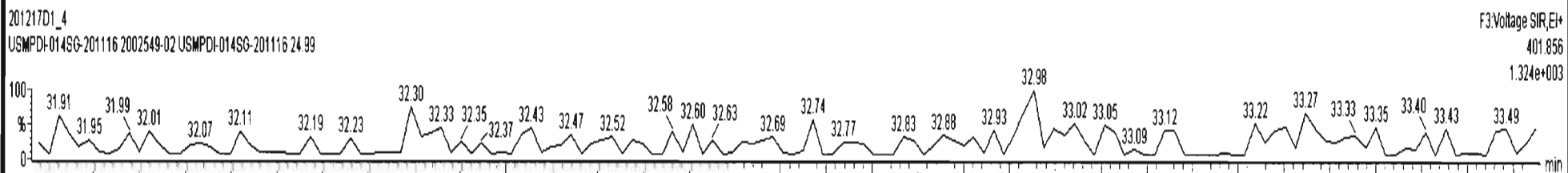
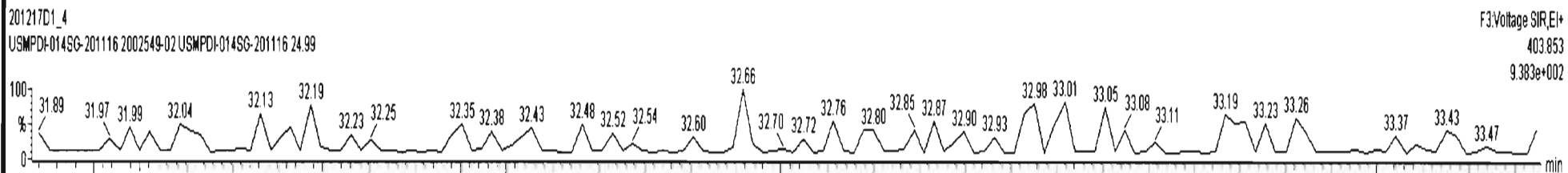
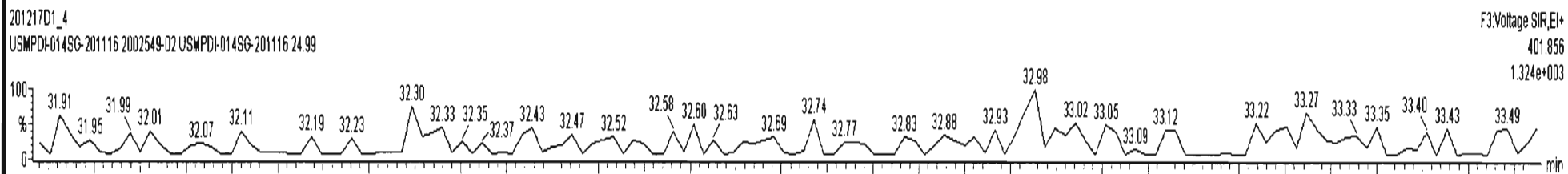
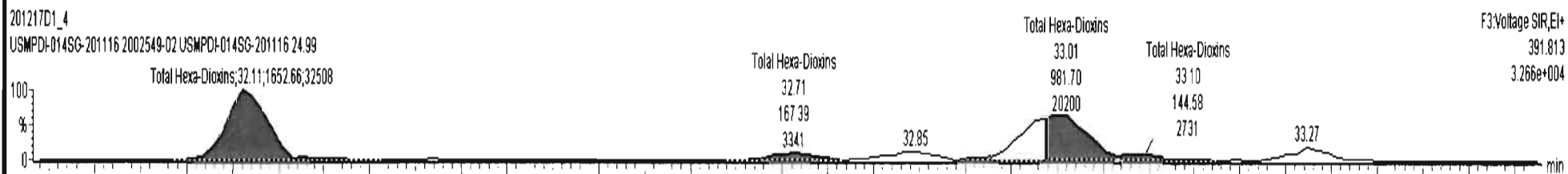
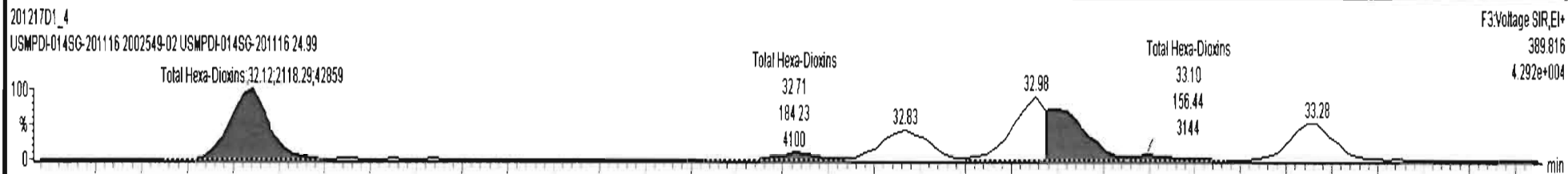
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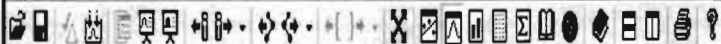




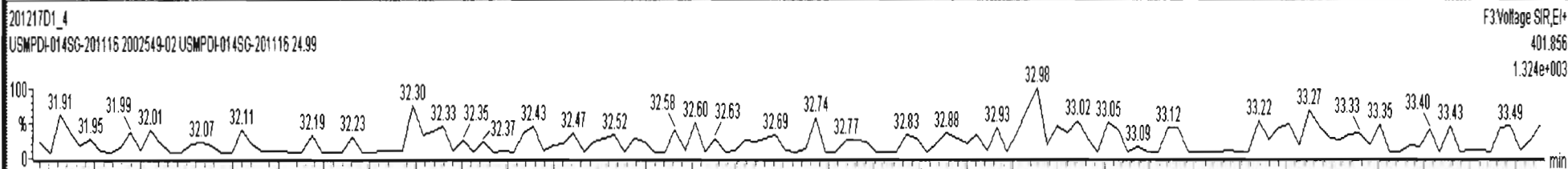
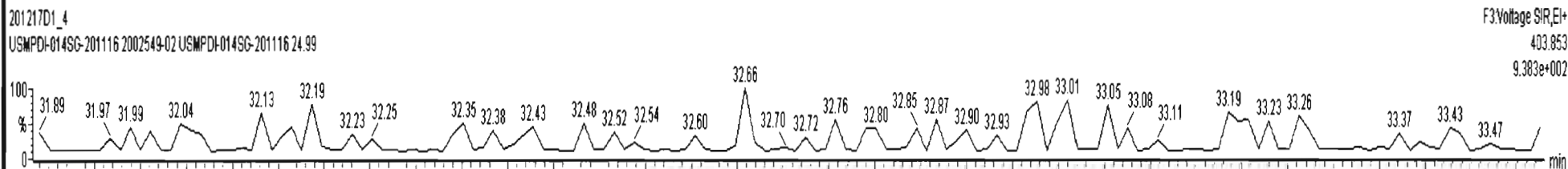
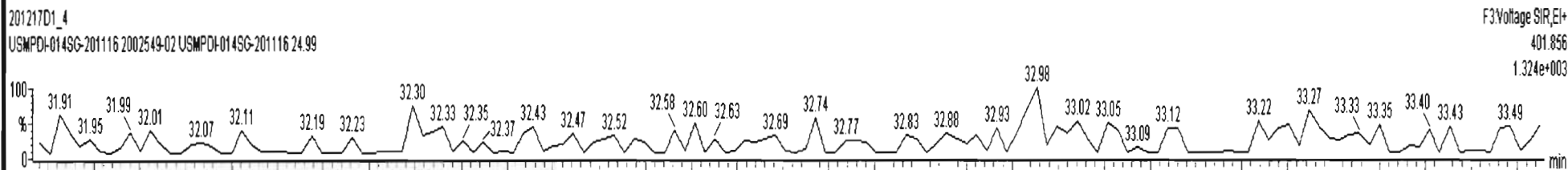
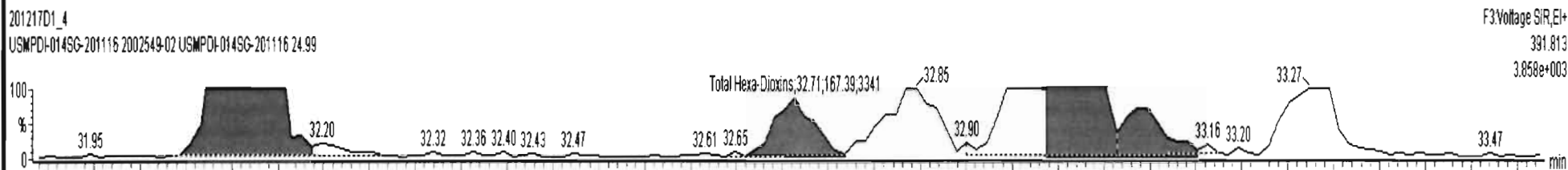
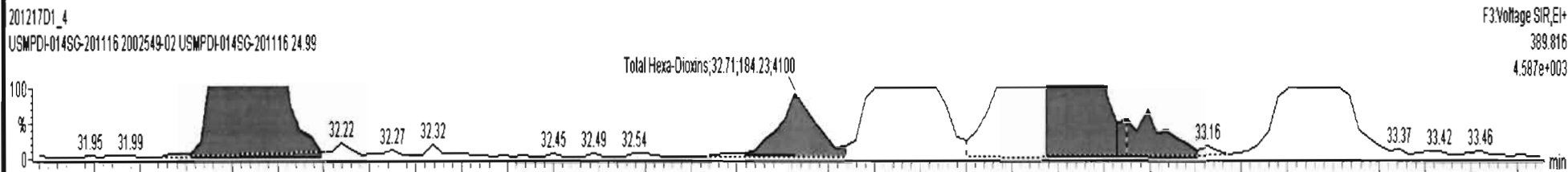


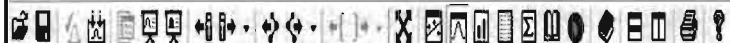
201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116



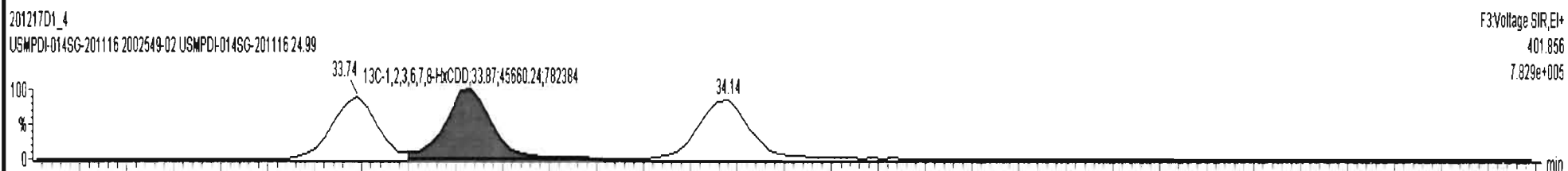
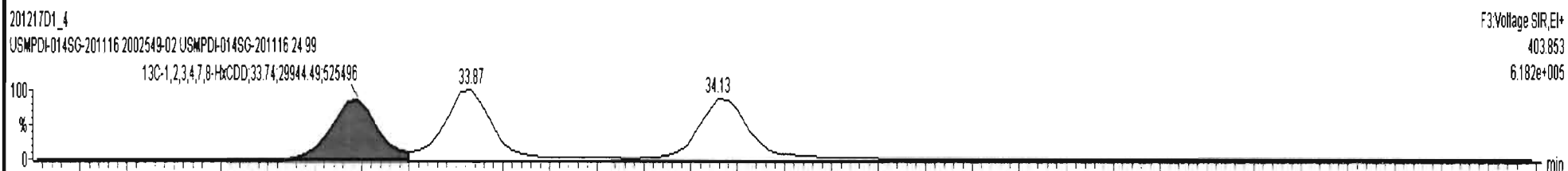
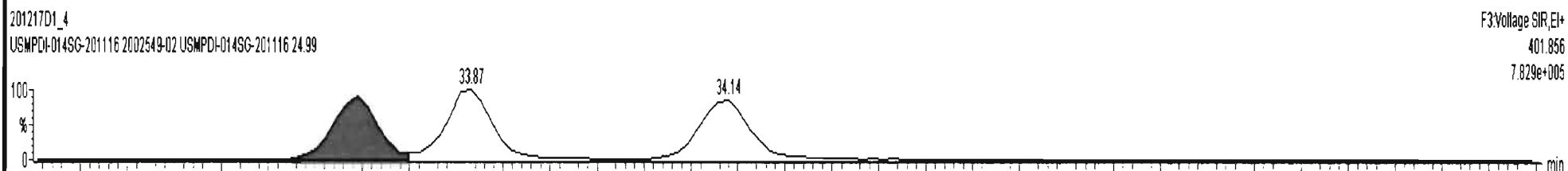
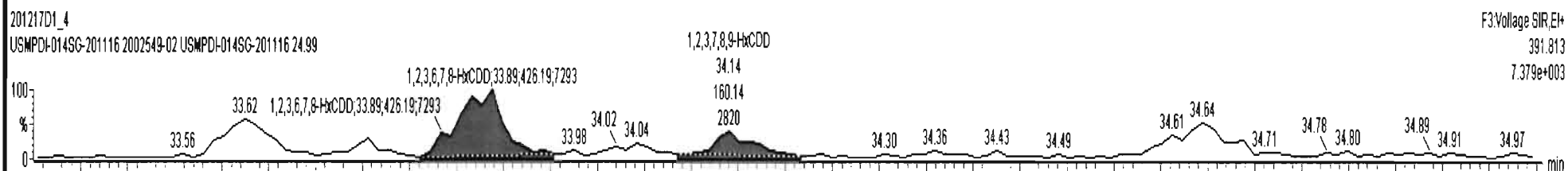
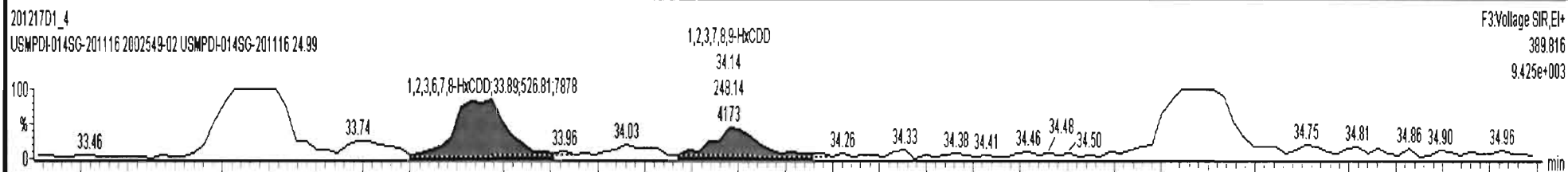


201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116





201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116

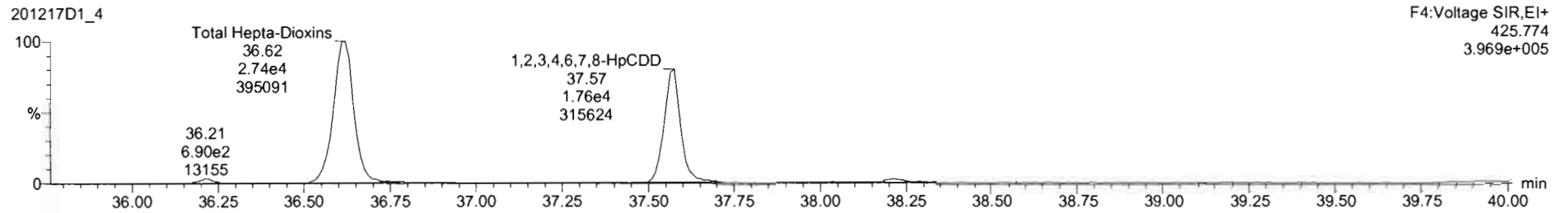
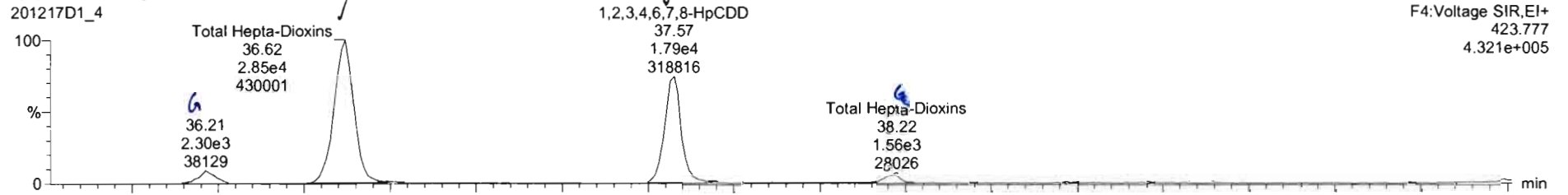


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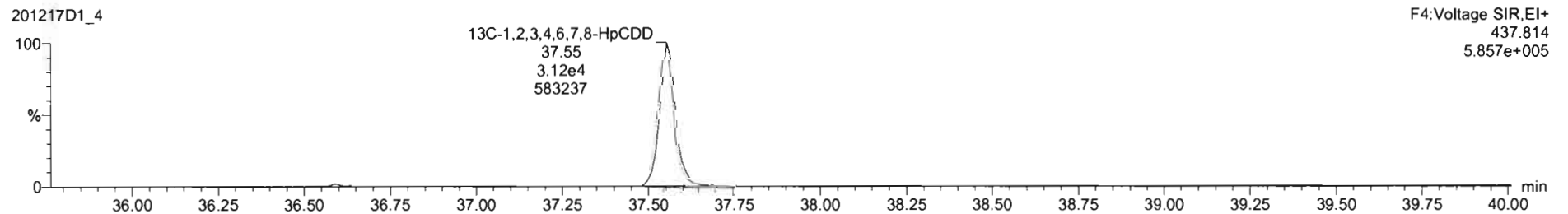
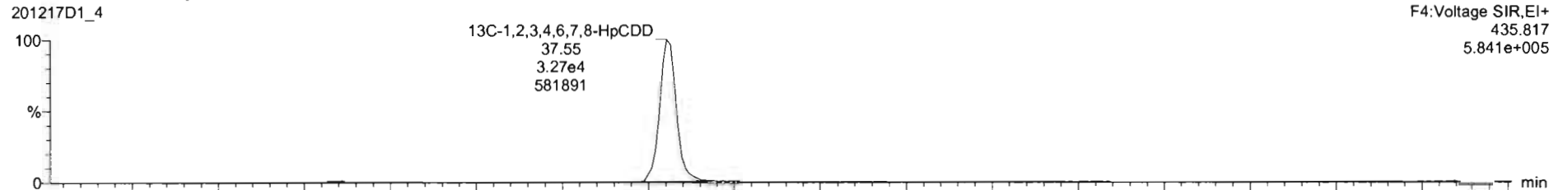
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Printed: Friday, December 18, 2020 09:38:52 Pacific Standard Time

Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

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



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

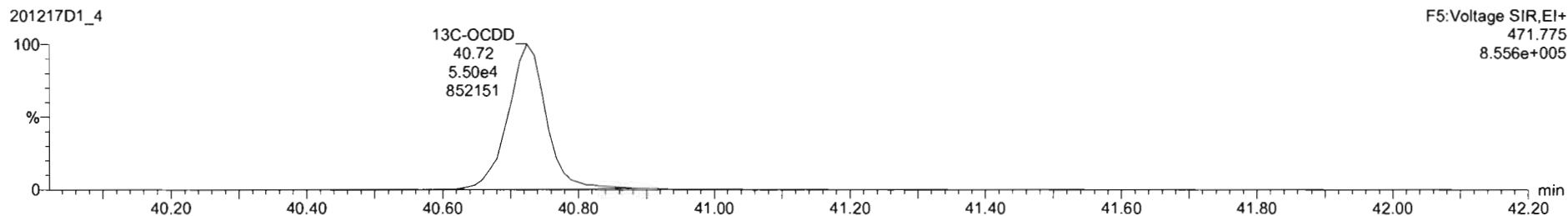
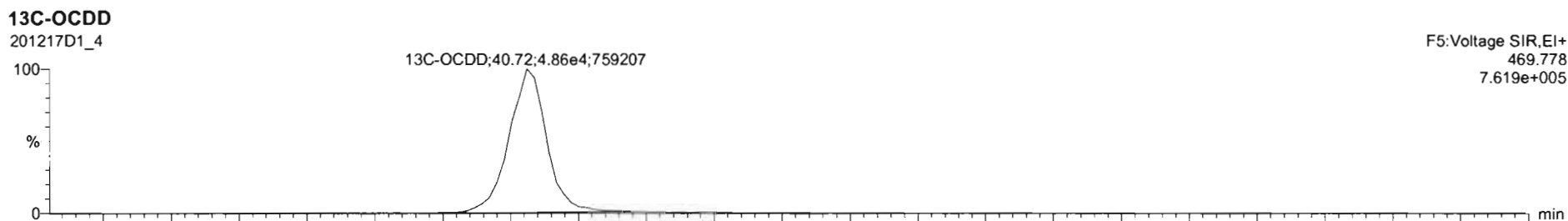
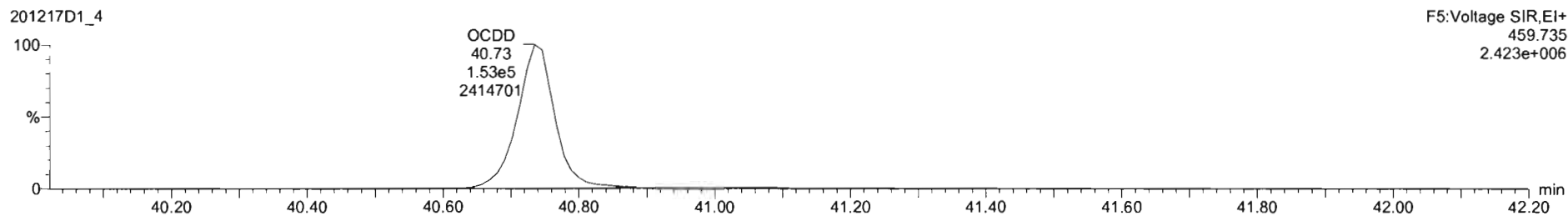
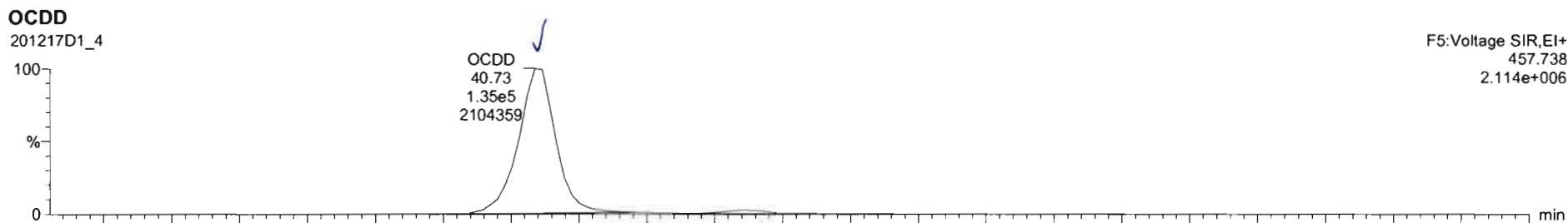




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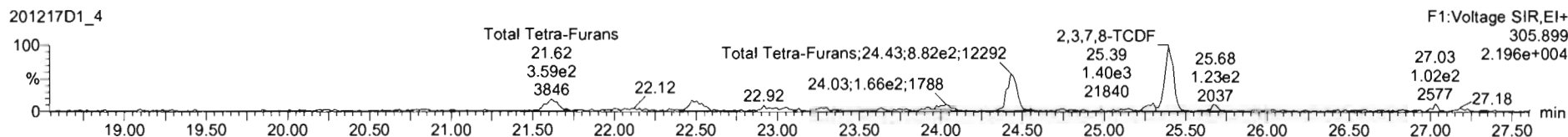
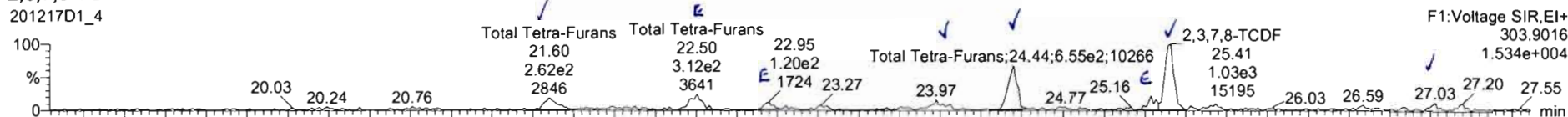


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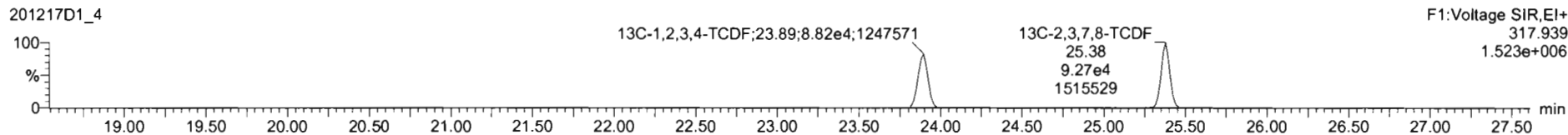
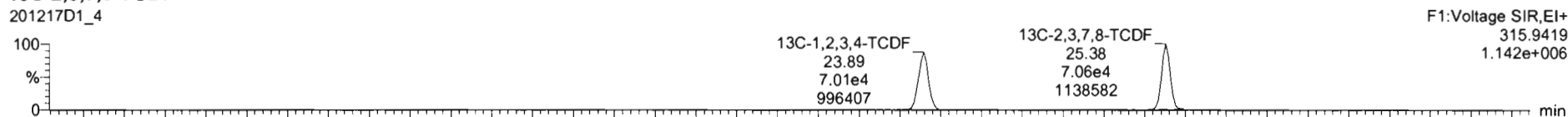
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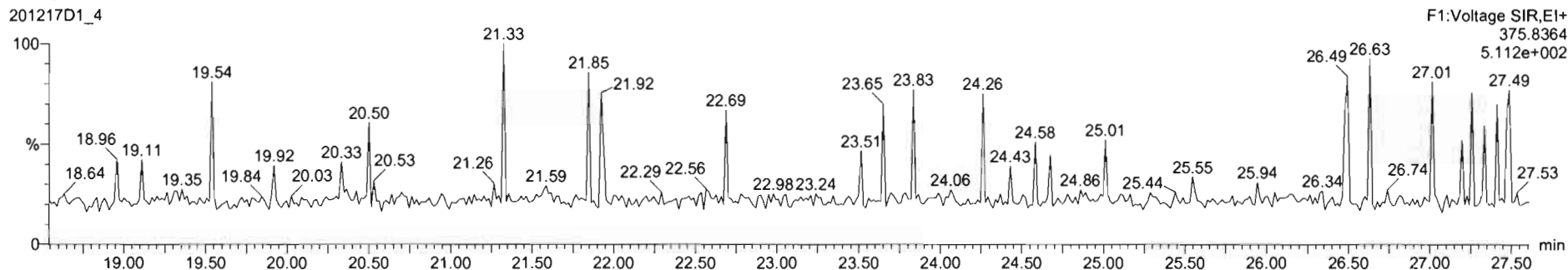
2,3,7,8-TCDF

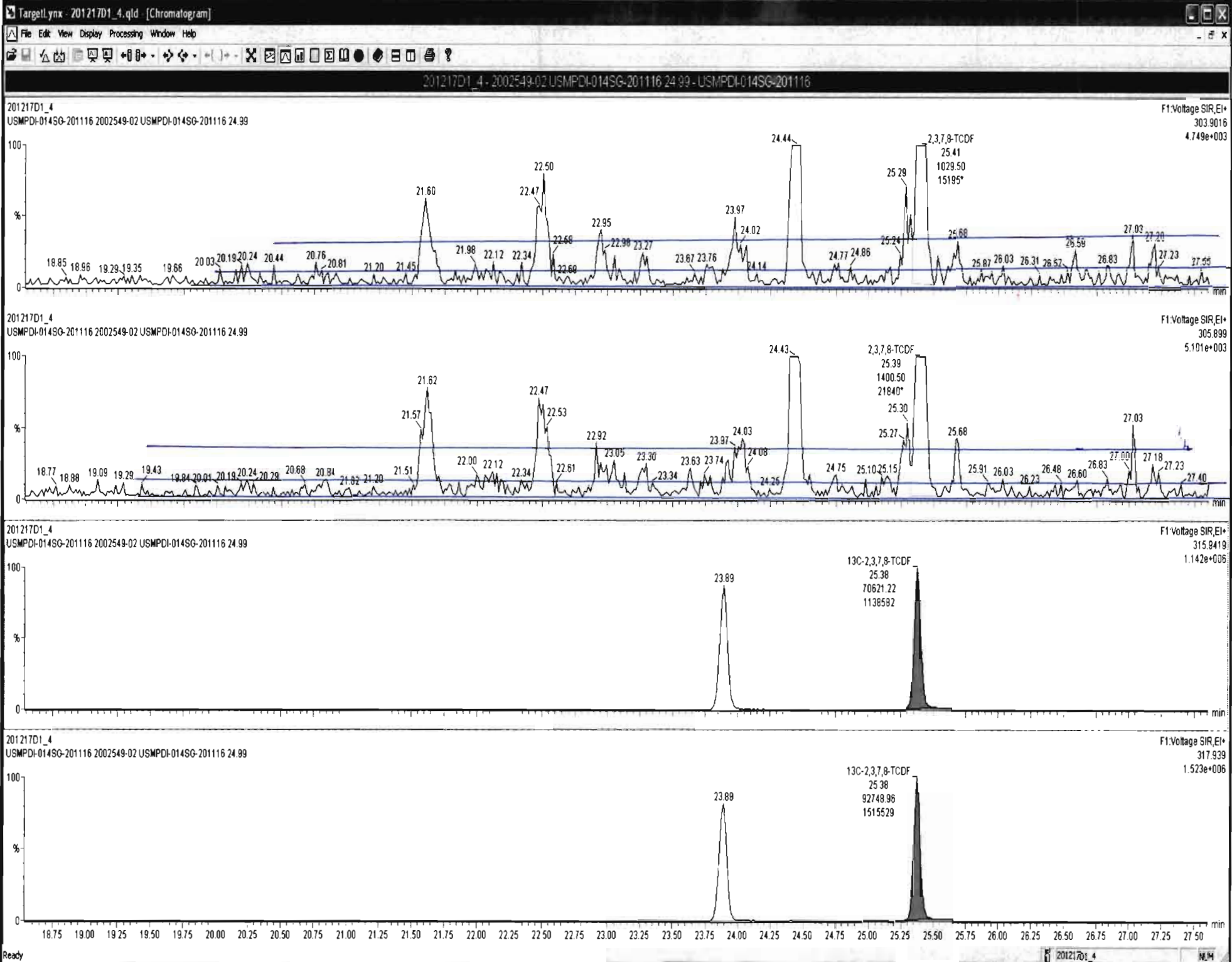


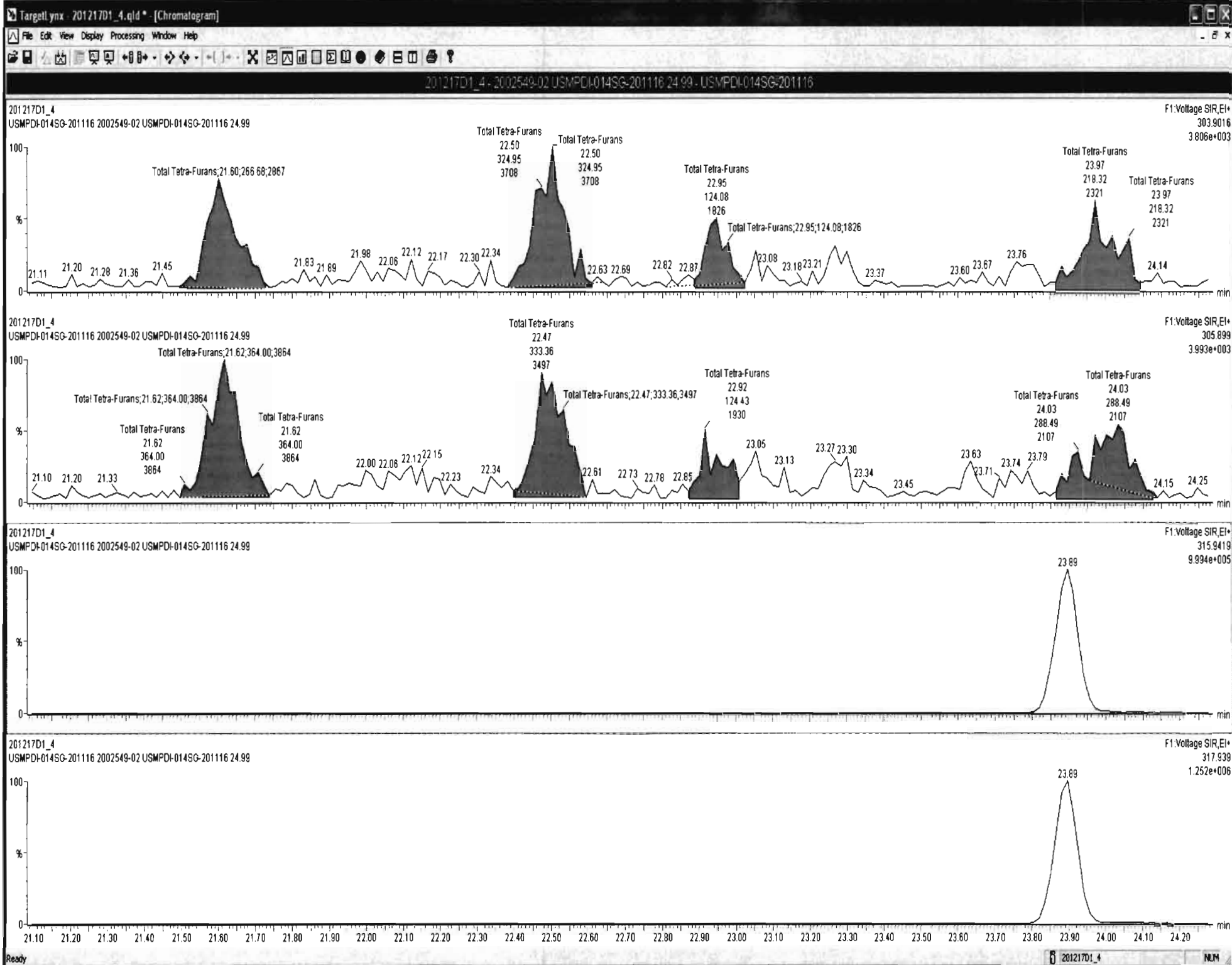
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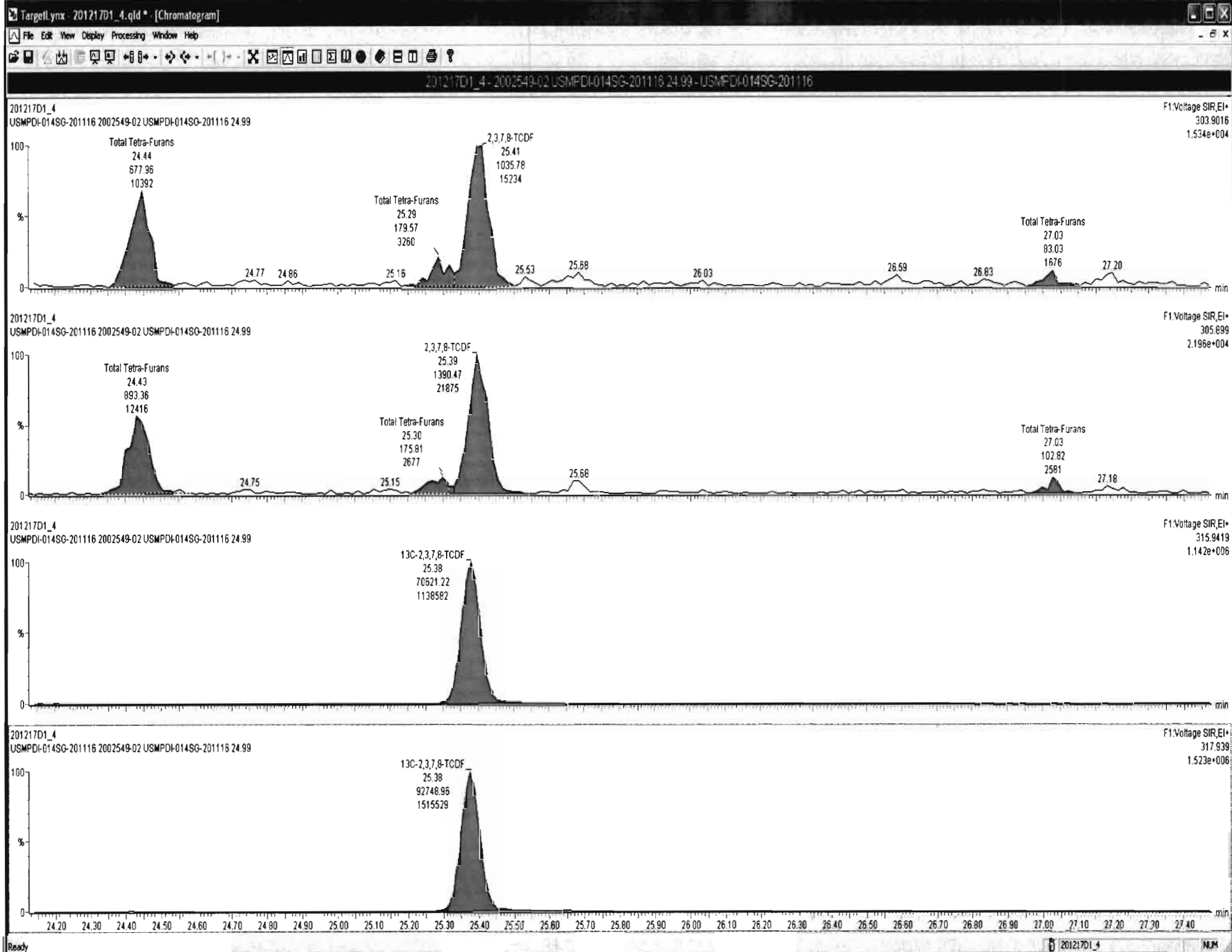


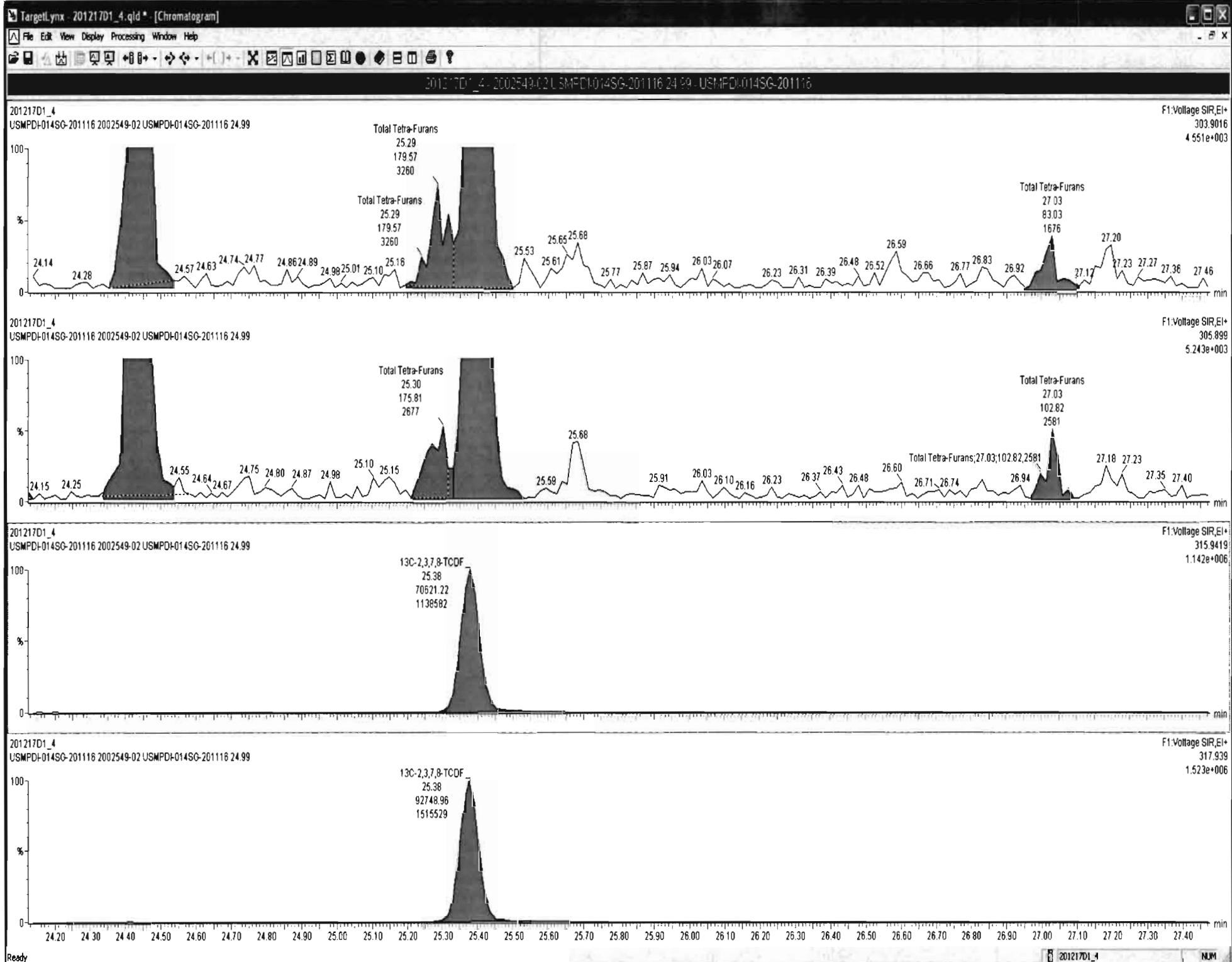
DPE1











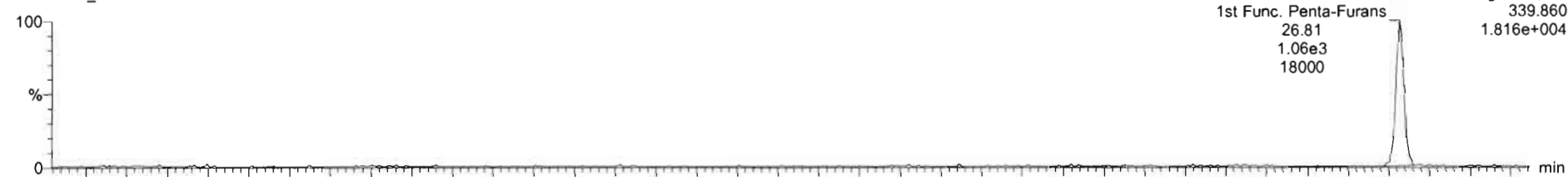
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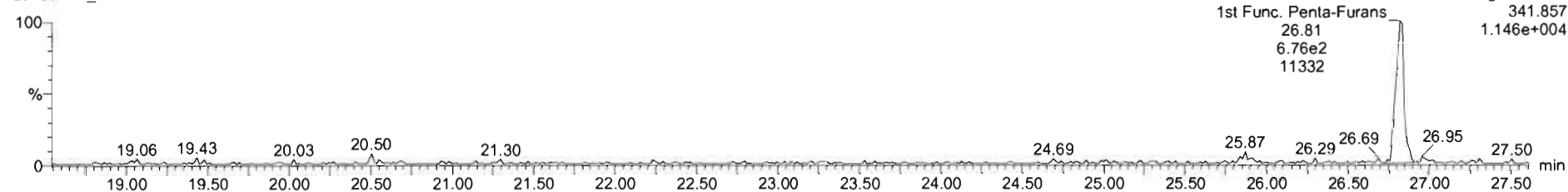
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201217D1\_4

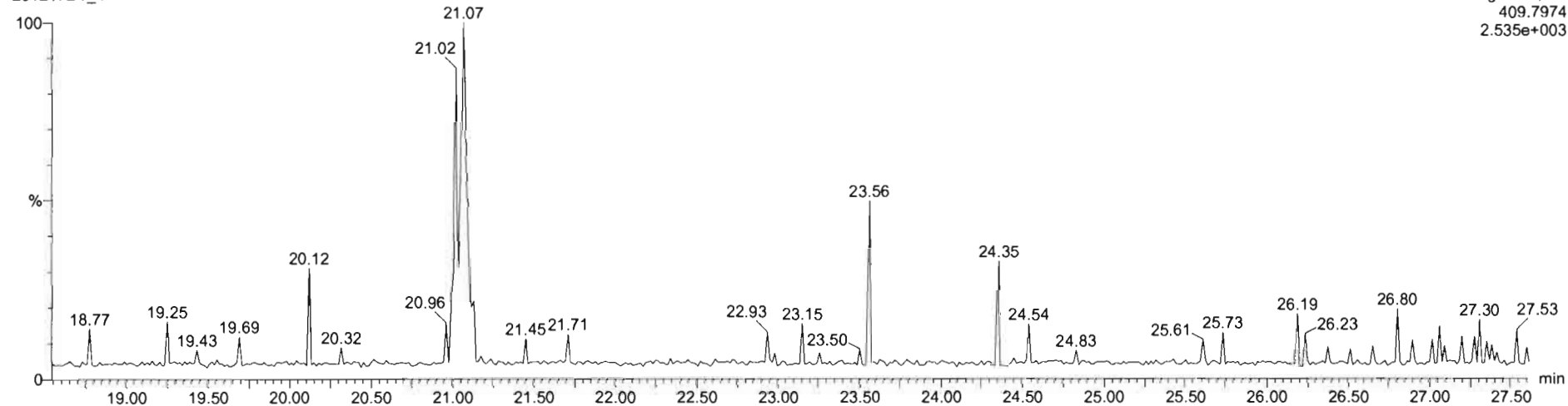


201217D1\_4



DPE6

201217D1\_4

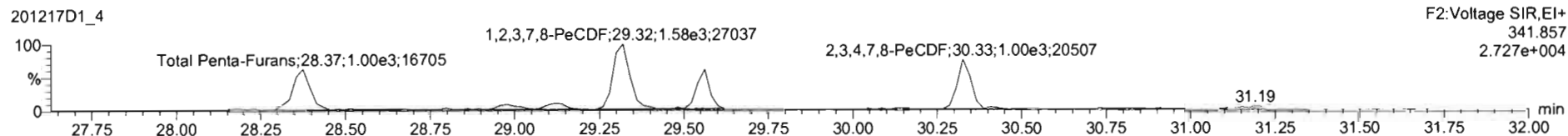
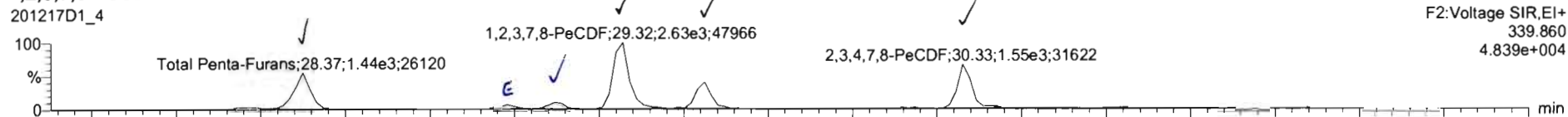


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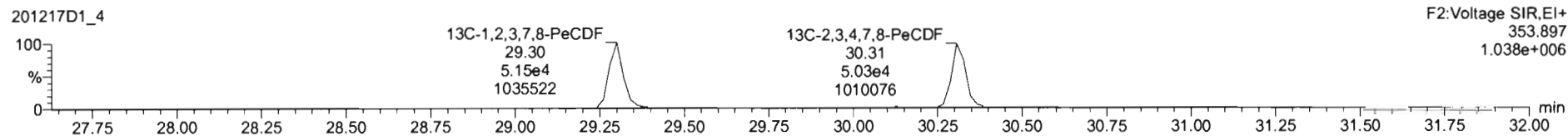
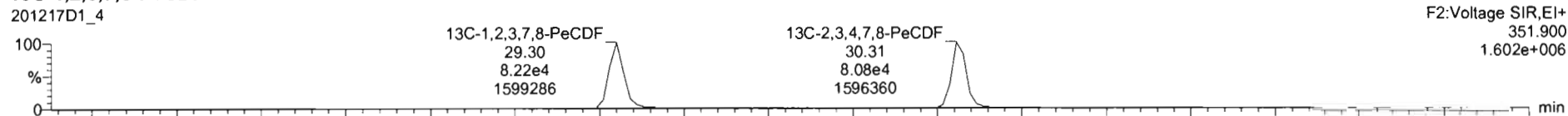
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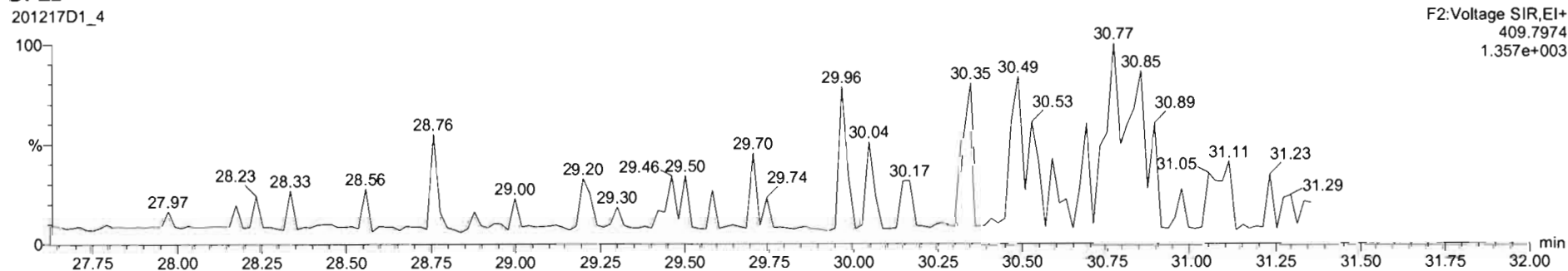
1,2,3,7,8-PeCDF



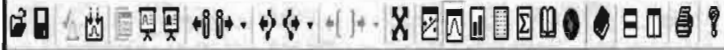
13C-1,2,3,7,8-PeCDF



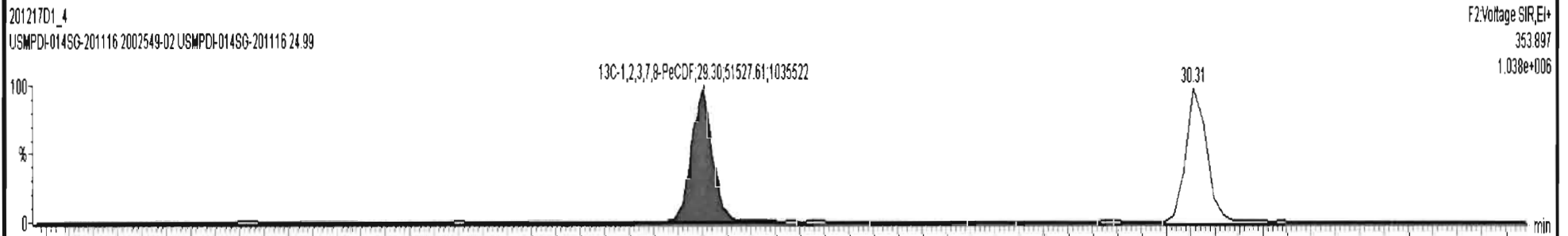
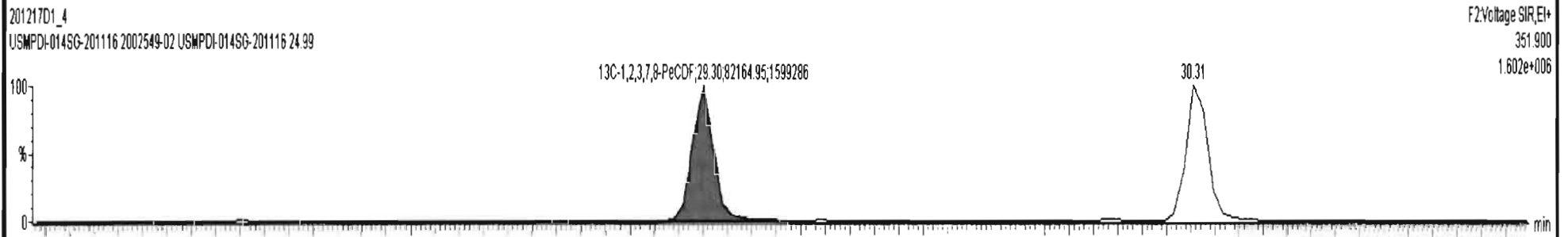
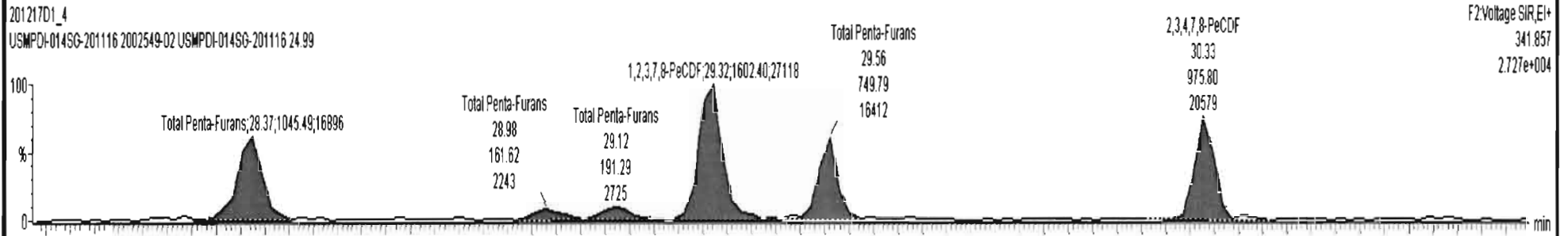
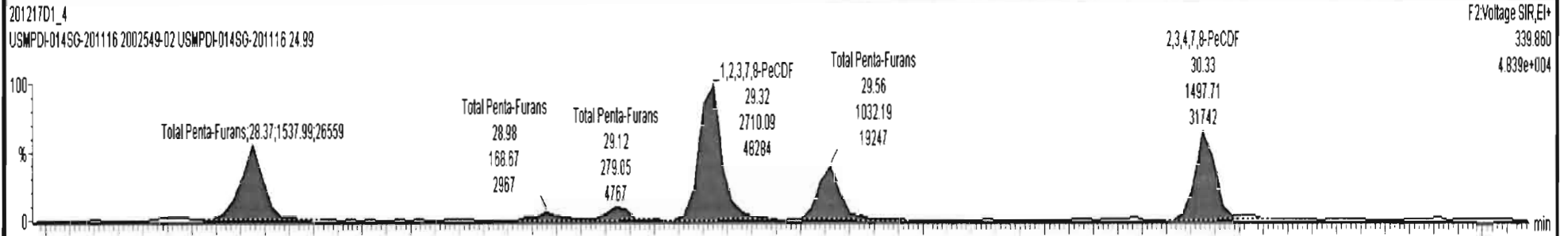
DPE2

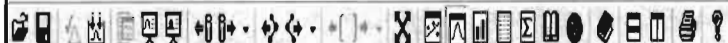




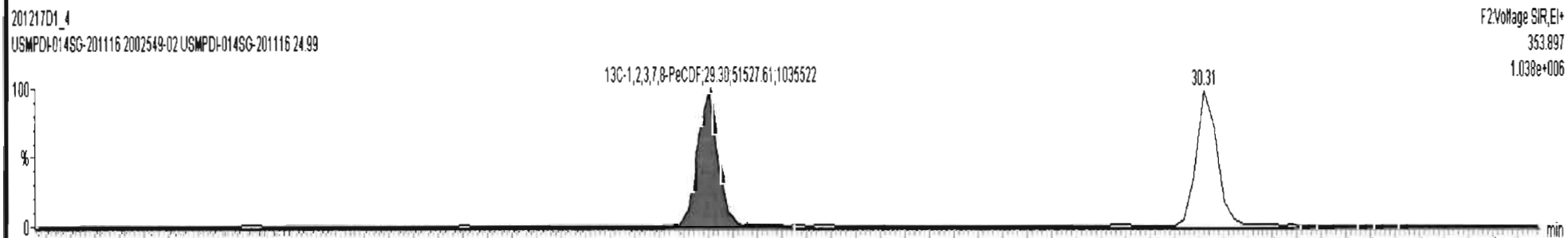
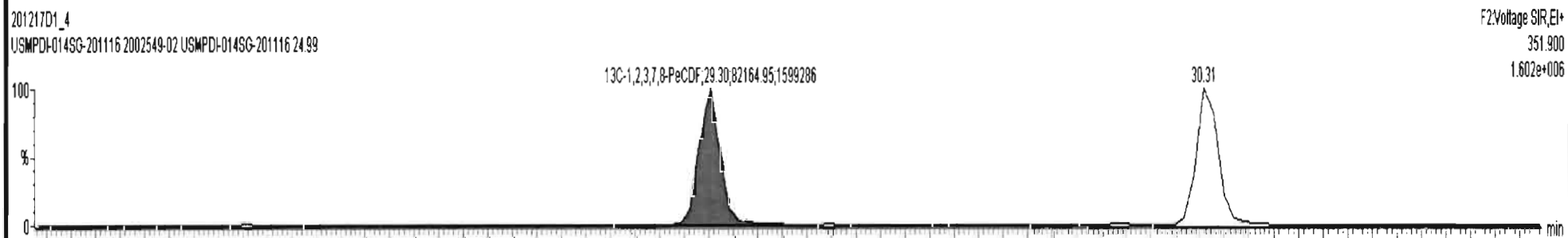
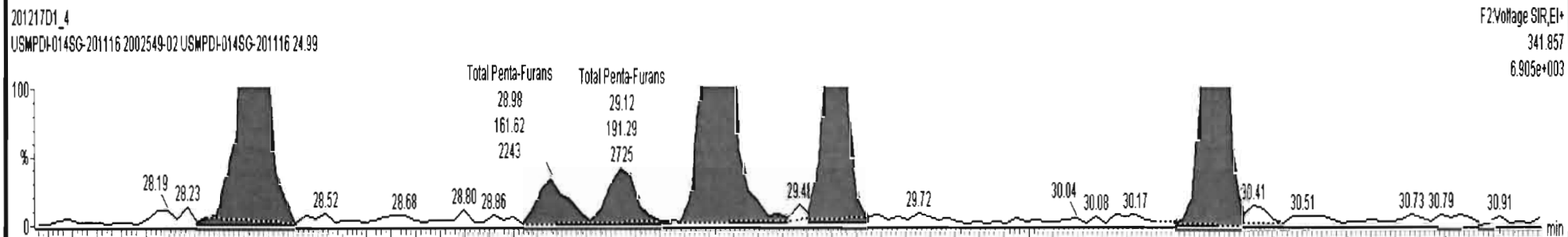
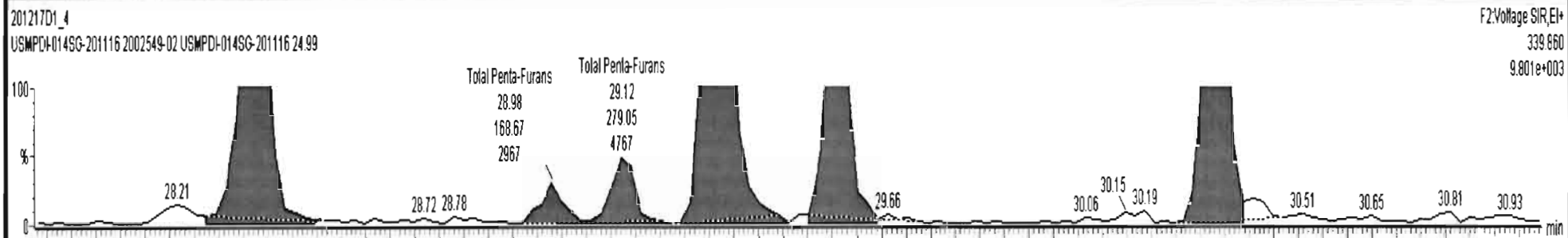


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201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116



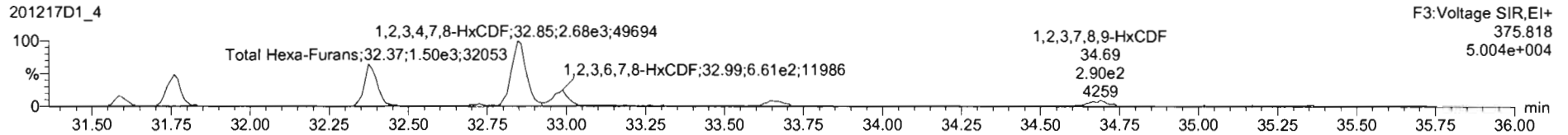
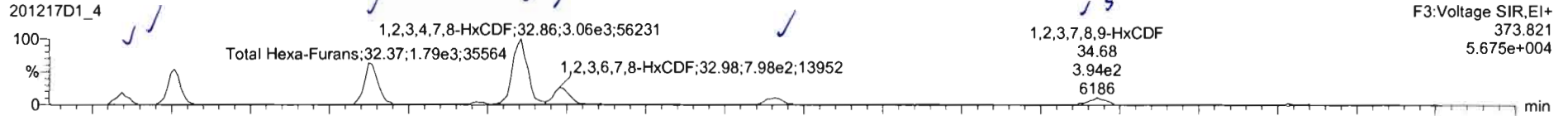
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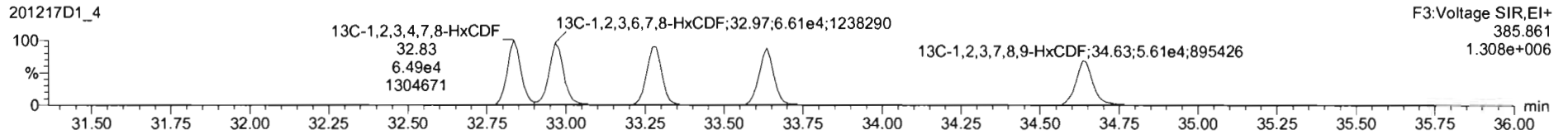
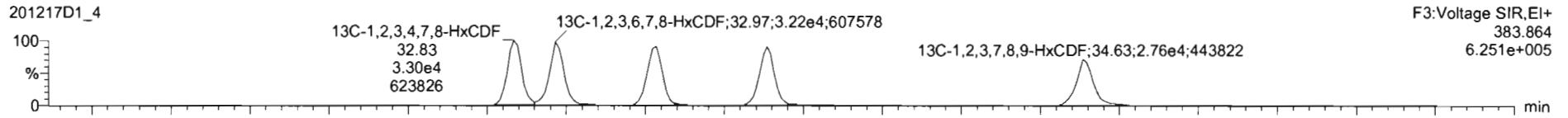
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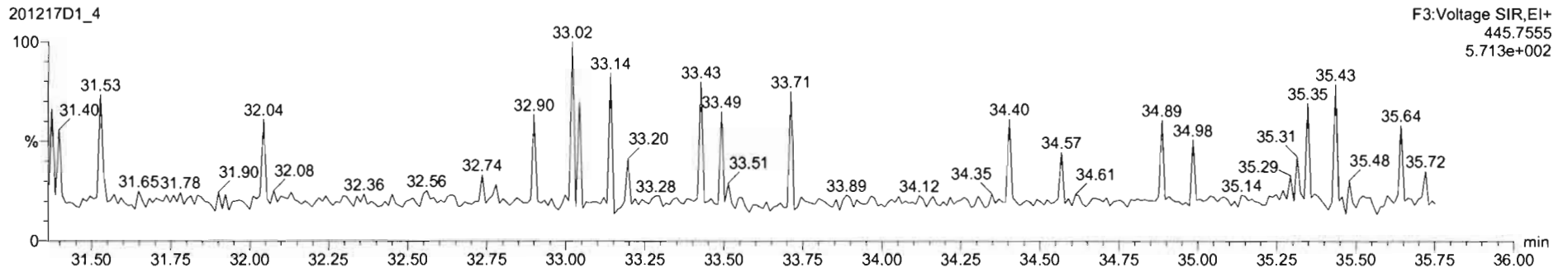
1,2,3,4,7,8-HxCDF

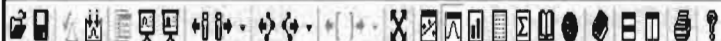


13C-1,2,3,4,7,8-HxCDF



DPE3

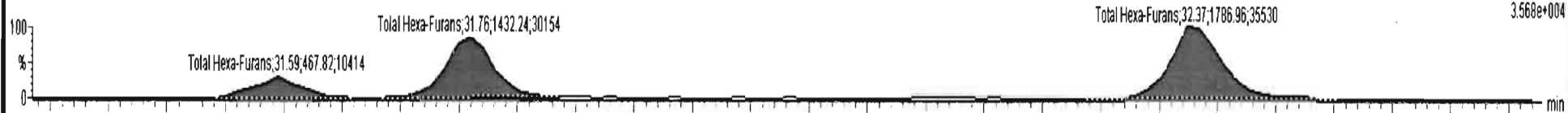




201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116

201217D1\_4  
USMPDI-014SG-201116 2002549-02 USMPDI-014SG-201116 24.99

F3:Voltage SIR,EI+  
373.821  
3.568e+004



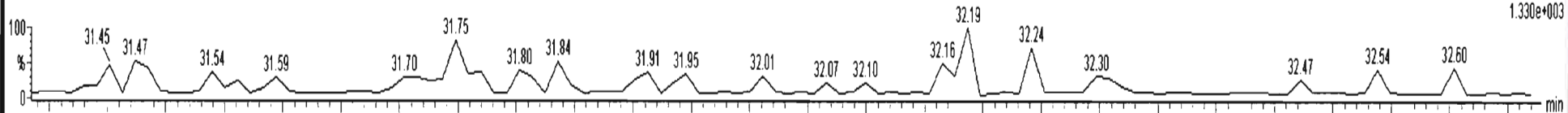
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USMPDI-014SG-201116 2002549-02 USMPDI-014SG-201116 24.99

F3:Voltage SIR,EI+  
375.818  
3.225e+004



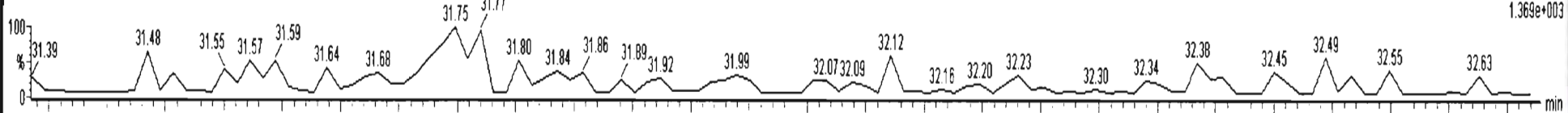
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F3:Voltage SIR,EI+  
383.864  
1.330e+003



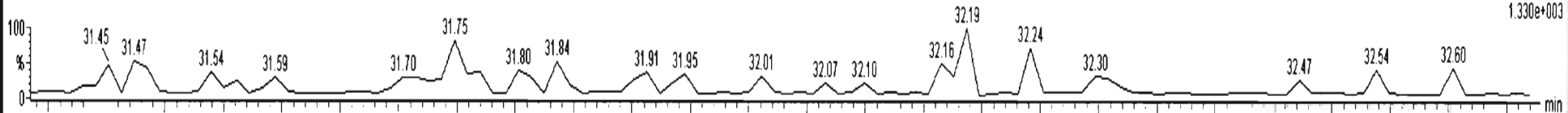
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F3:Voltage SIR,EI+  
385.861  
1.369e+003



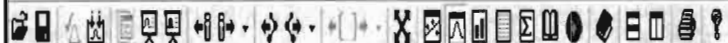
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F3:Voltage SIR,EI+  
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1.330e+003



201217D1\_4  
USMPDI-014SG-201116 2002549-02 USMPDI-014SG-201116 24.99

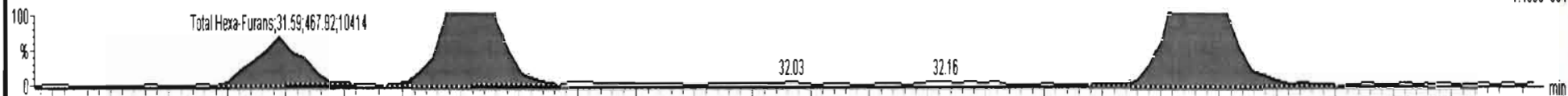
F3:Voltage SIR,EI+  
385.861



201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116

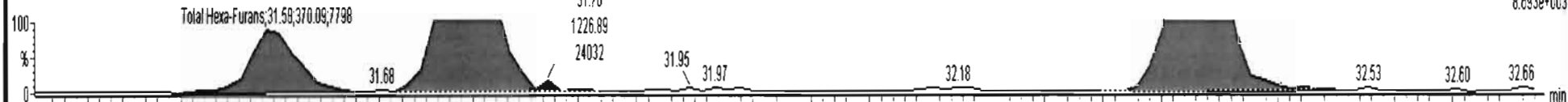
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F3:Voltage SIR,EI+  
373.821  
1.488e+004



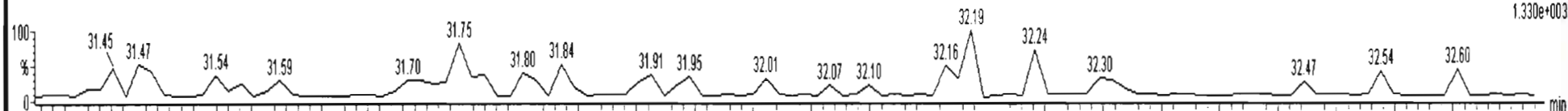
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F3:Voltage SIR,EI+  
375.818  
8.693e+003



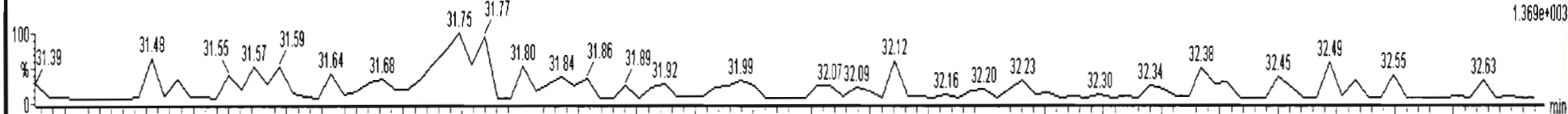
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F3:Voltage SIR,EI+  
383.864  
1.330e+003



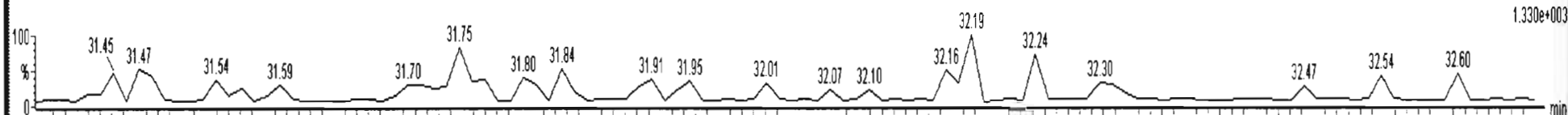
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F3:Voltage SIR,EI+  
385.861  
1.369e+003



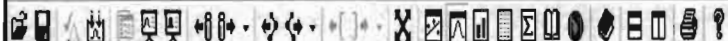
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F3:Voltage SIR,EI+  
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1.330e+003

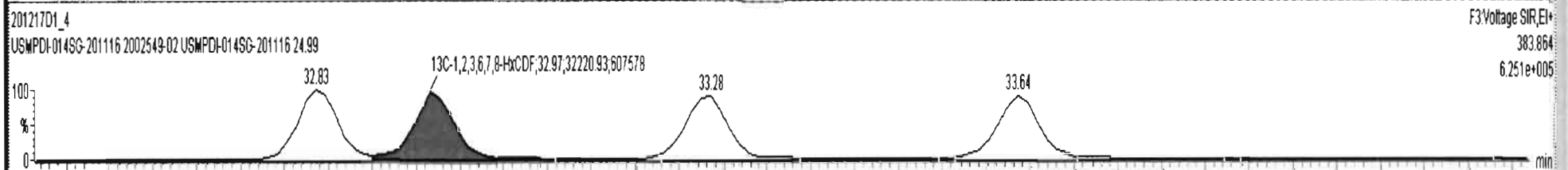
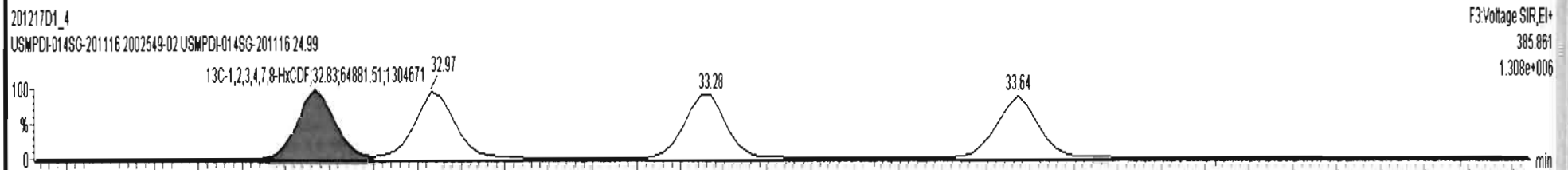
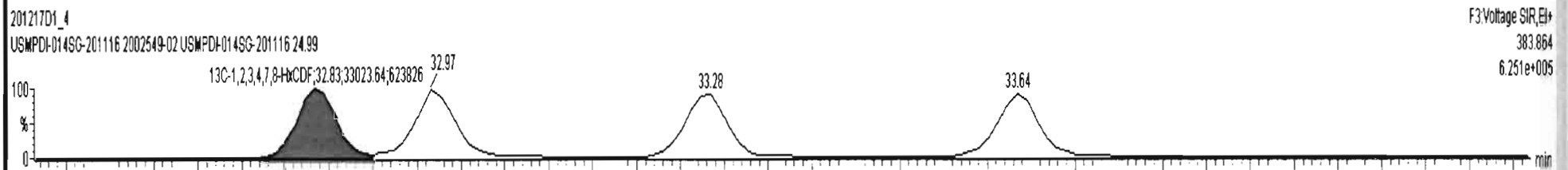
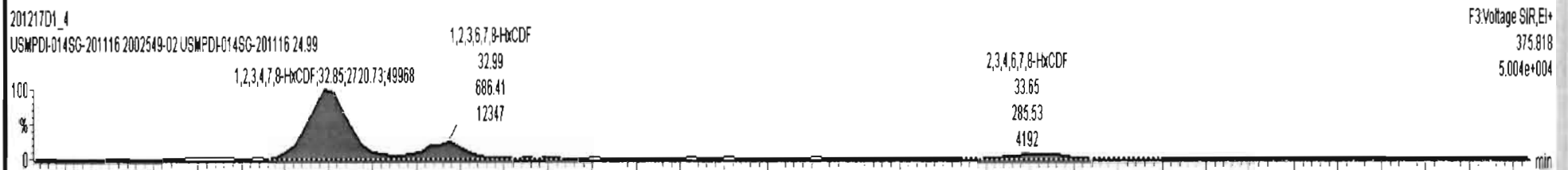


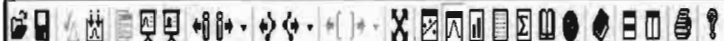
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F3:Voltage SIR,EI+  
385.861

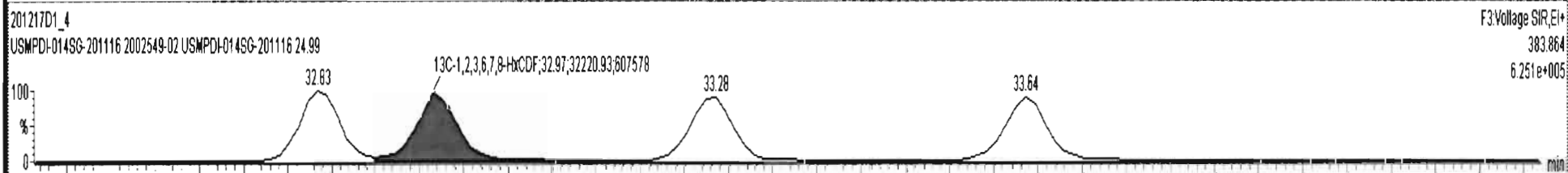
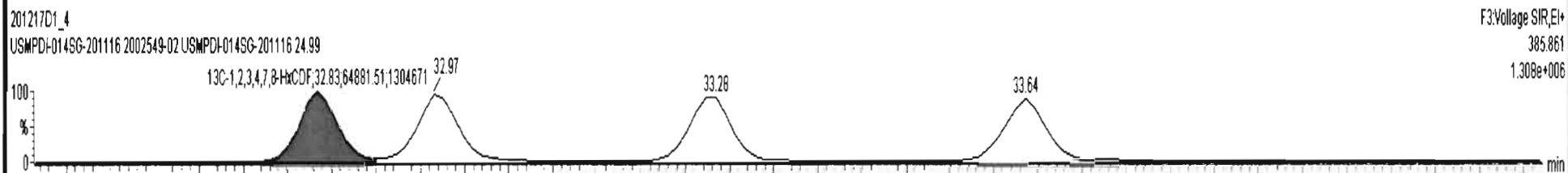
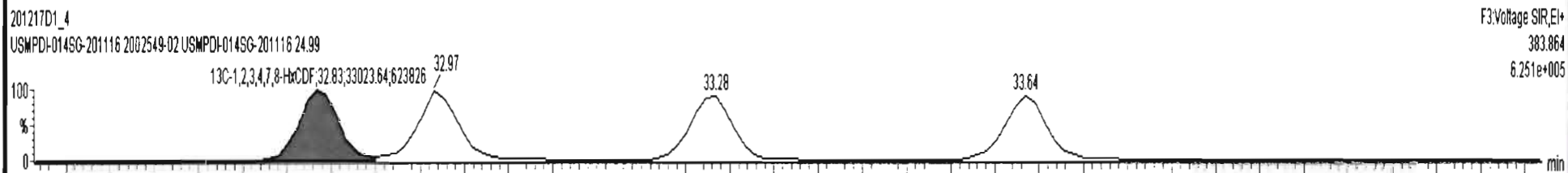
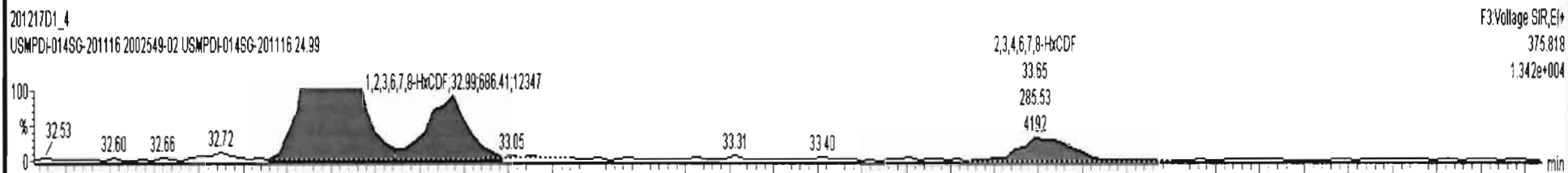


201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116



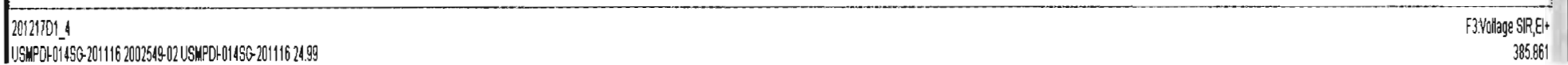
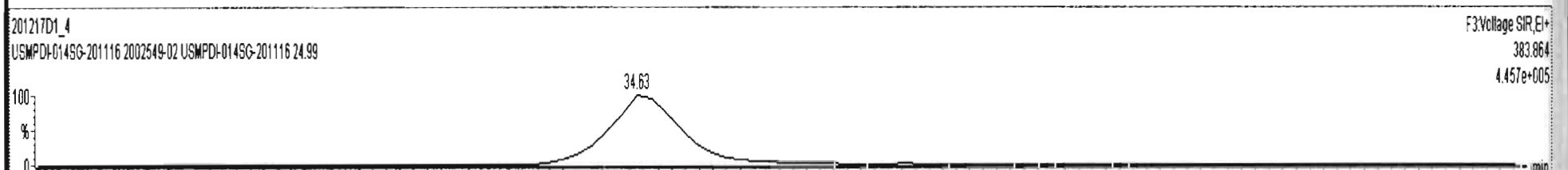
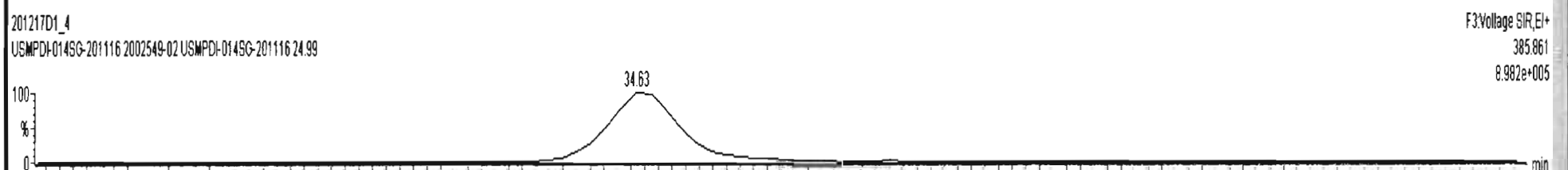
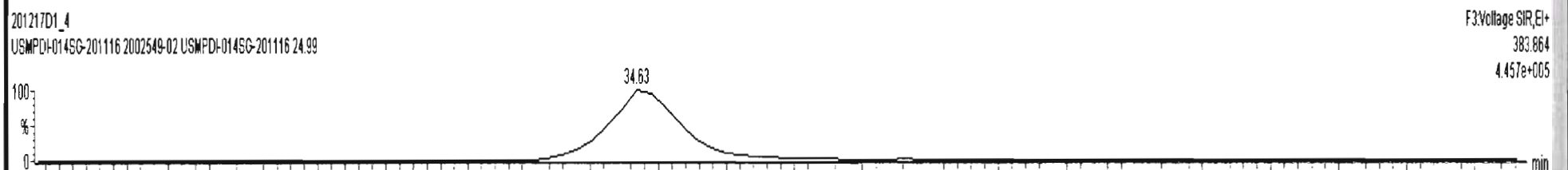
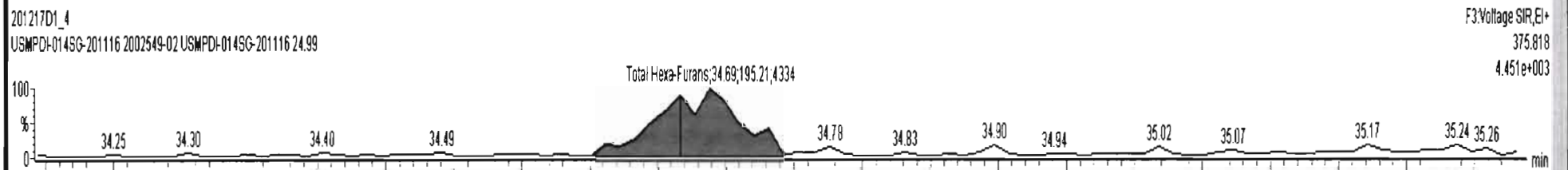
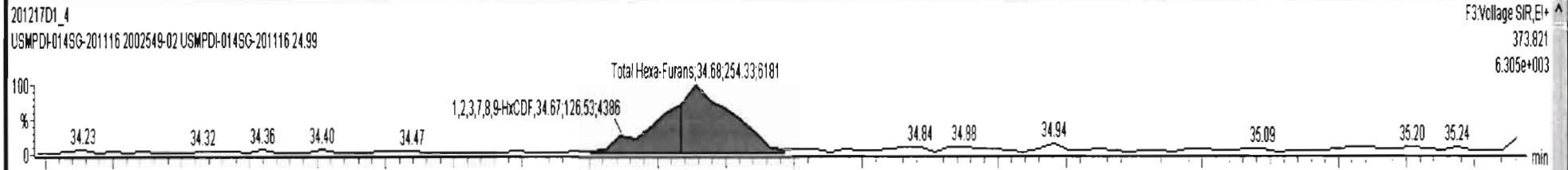


201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116





201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116





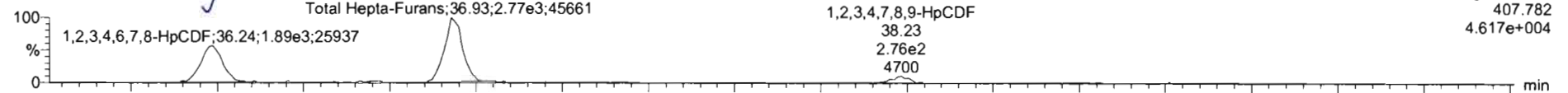
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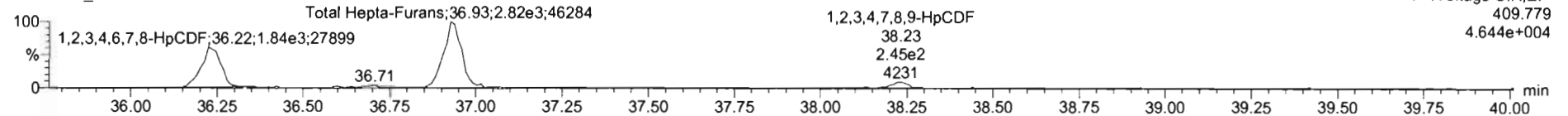
Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116

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

201217D1\_4

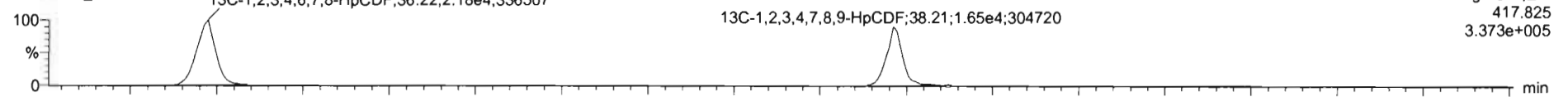


201217D1\_4

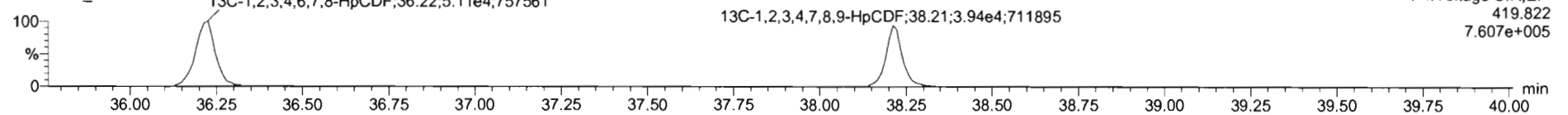


**13C-1,2,3,4,6,7,8-HpCDF**

201217D1\_4

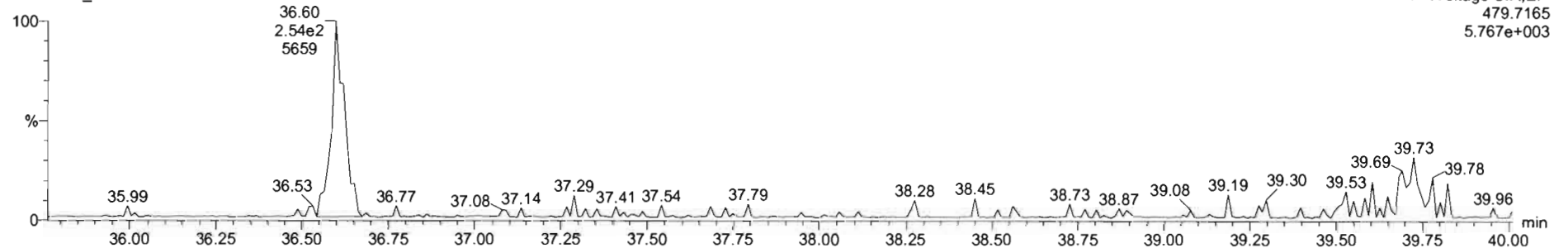


201217D1\_4



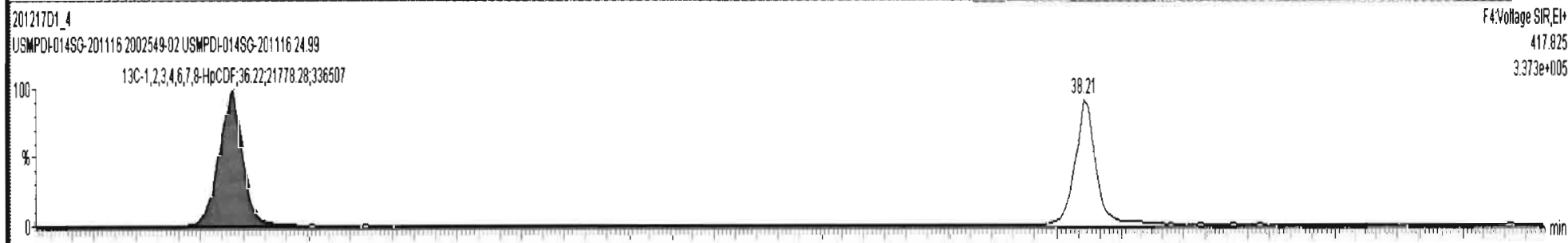
**DPE4**

201217D1\_4

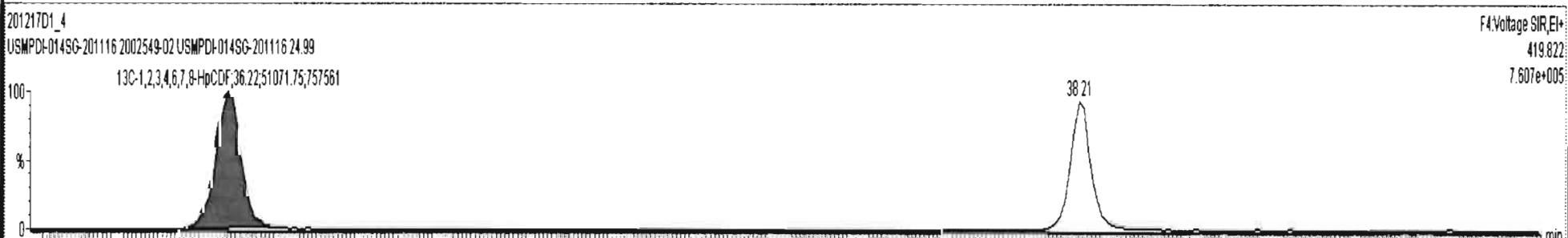
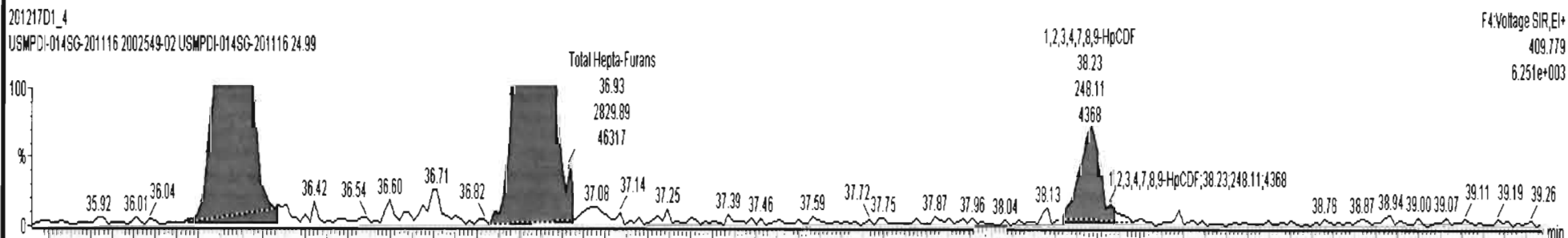
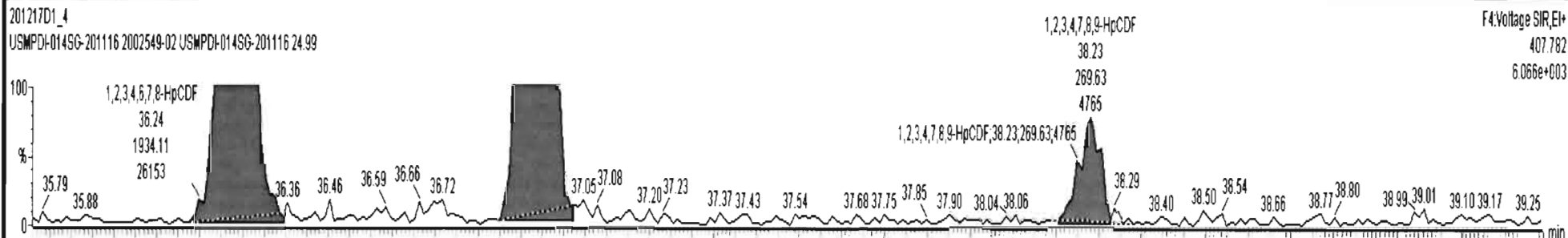




201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116



201217D1\_4 - 2002549-02 USMPDI-014SG-201116 24.99 - USMPDI-014SG-201116

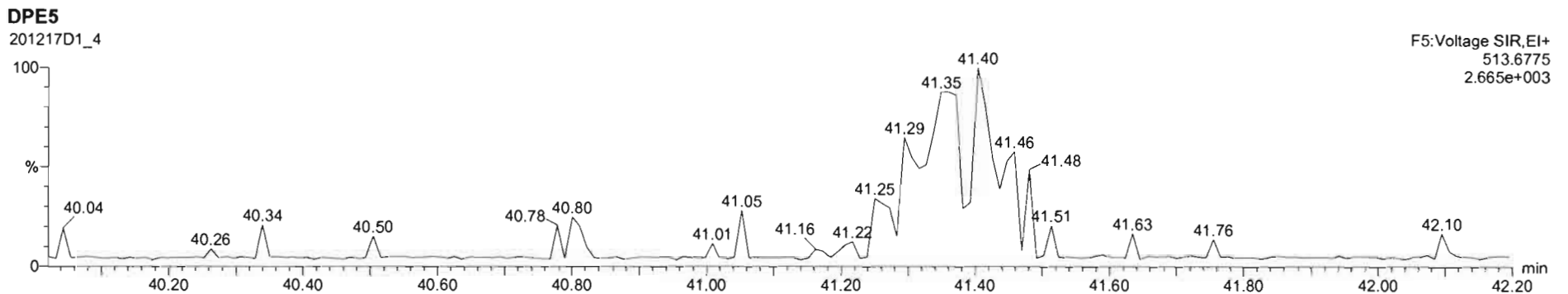
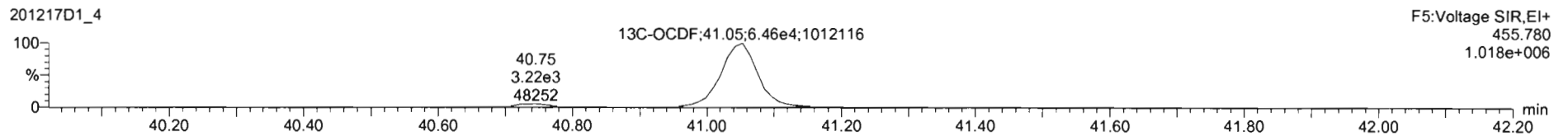
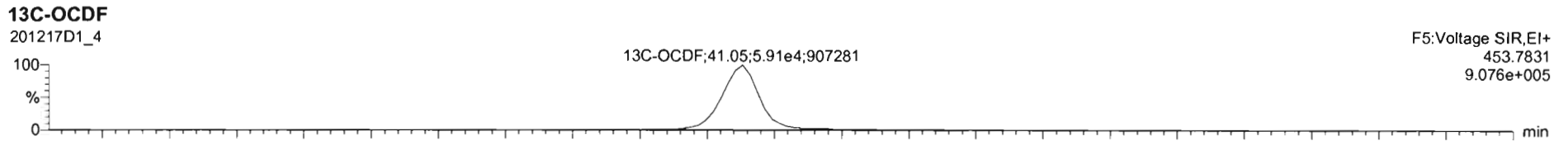
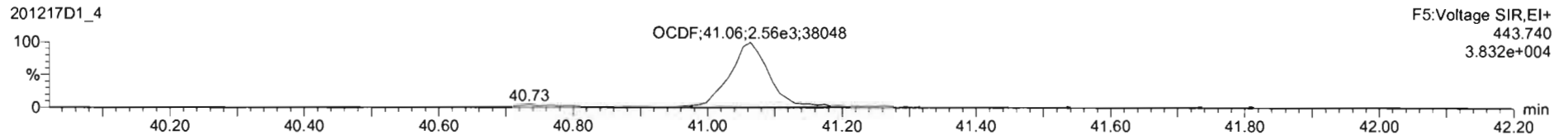
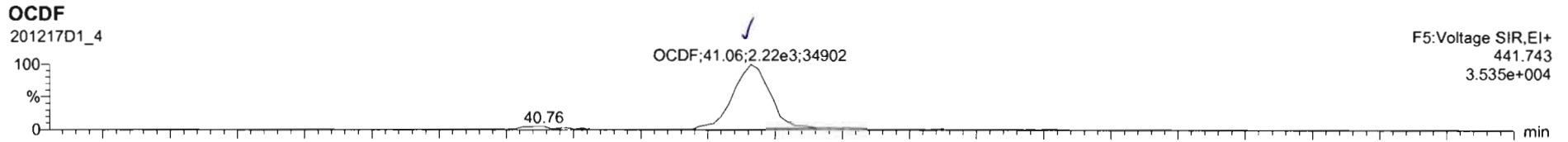


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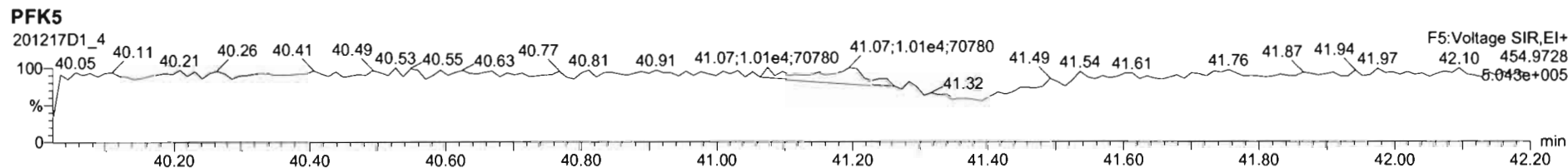
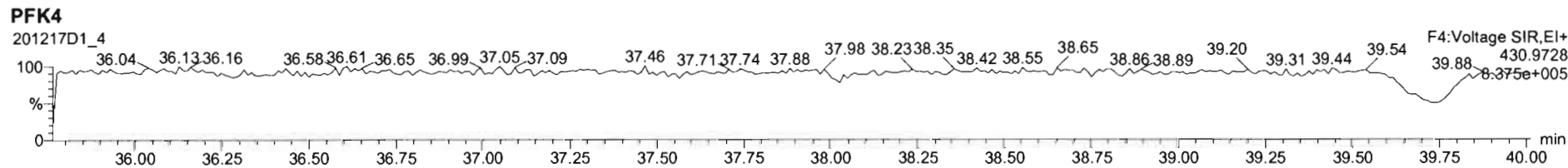
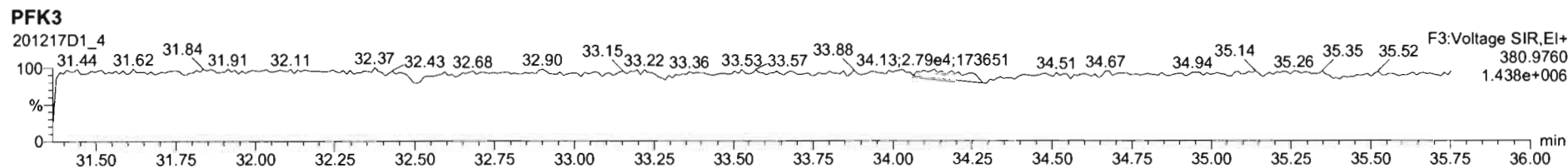
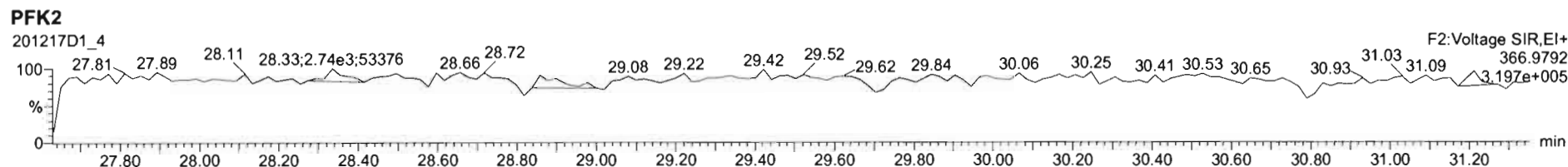
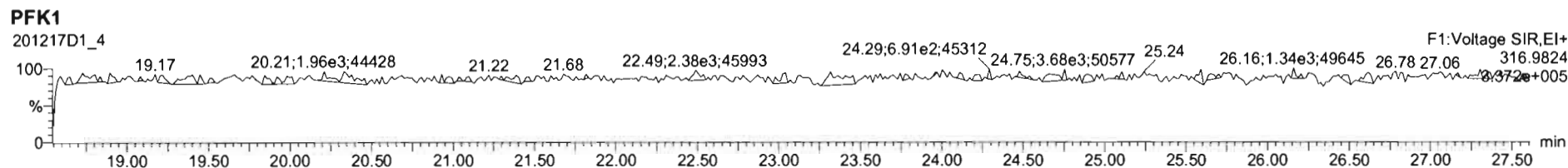
Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_4.qld

Last Altered: Friday, December 18, 2020 09:38:30 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:38:52 Pacific Standard Time

Name: 201217D1\_4, Date: 17-Dec-2020, Time: 12:43:05, ID: 2002549-02 USMPDI-014SG-201116 24.99, Description: USMPDI-014SG-201116



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_5.qld

Last Altered: Monday, December 21, 2020 15:46:11 Pacific Standard Time  
Printed: Monday, December 21, 2020 15:47:05 Pacific Standard Time

*DB 12/21/20*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

*Wm 10/26/20*

Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

#	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			NO	1.00	10.133	26.066		1.001				0.140	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.133	30.528		1.001				0.362	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	10.133	33.755		1.000				0.297	
4	4 1,2,3,6,7,8-HxCDD	4.71e2	1.42	NO	1.02	10.133	33.865	33.88	1.000	1.000	1.0945		0.284	1.09
5	5 1,2,3,7,8,9-HxCDD			NO	1.06	10.133	34.174		1.001				0.303	
6	6 1,2,3,4,6,7,8-HpCDD	1.00e4	1.03	NO	1.00	10.133	37.574	37.57	1.000	1.000	28.278		0.872	28.3
7	7 OCDD	7.38e4	0.91	NO	0.952	10.133	40.723	40.74	1.000	1.001	270.37		0.780	270
8	8 2,3,7,8-TCDF	2.54e3	0.76	NO	1.01	10.133	25.403	25.39	1.001	1.001	3.0160		0.243	3.02
9	9 1,2,3,7,8-PeCDF	2.20e3	1.54	NO	0.998	10.133	29.321	29.32	1.001	1.001	3.1942		0.155	3.19
10	10 2,3,4,7,8-PeCDF	1.67e3	1.52	NO	1.07	10.133	30.356	30.33	1.001	1.000	2.2417		0.141	2.24
11	11 1,2,3,4,7,8-HxCDF	3.00e3	1.24	NO	1.05	10.133	32.845	32.86	1.000	1.000	5.1716		0.180	5.17
12	12 1,2,3,6,7,8-HxCDF	9.08e2	1.36	NO	1.10	10.133	32.987	33.00	1.000	1.001	1.5061		0.176	1.51
13	13 2,3,4,6,7,8-HxCDF	3.71e2	1.03	YES	1.09	10.133	33.680	33.67	1.001	1.001	0.66610		0.202	0.611
14	14 1,2,3,7,8,9-HxCDF	1.52e2	1.10	NO	1.08	10.133	34.645	34.66	1.000	1.000	0.30513		0.248	0.305
15	15 1,2,3,4,6,7,8-HpCDF	2.40e3	0.97	NO	1.13	10.133	36.272	36.26	1.001	1.001	5.4283		0.324	5.43
16	16 1,2,3,4,7,8,9-HpCDF	5.75e2	1.28	YES	1.29	10.133	38.222	38.23	1.000	1.000	1.4669		0.305	1.31
17	17 OCDF	4.60e3	0.89	NO	0.953	10.133	41.053	41.06	1.000	1.000	13.945		0.384	13.9
18	18 13C-2,3,7,8-TCDD	1.22e5	0.76	NO	1.17	10.133	25.959	26.03	1.026	1.029	191.93	97.2	0.994	
19	19 13C-1,2,3,7,8-PeCDD	9.54e4	0.61	NO	0.914	10.133	30.510	30.51	1.206	1.206	193.26	97.9	0.471	
20	20 13C-1,2,3,4,7,8-HxCDD	7.32e4	1.25	NO	0.634	10.133	33.750	33.74	1.014	1.014	211.91	107	1.02	
21	21 13C-1,2,3,6,7,8-HxCDD	8.30e4	1.25	NO	0.724	10.133	33.860	33.87	1.017	1.017	210.42	107	0.888	
22	22 13C-1,2,3,7,8,9-HxCDD	8.13e4	1.19	NO	0.716	10.133	34.129	34.14	1.025	1.026	208.52	106	0.899	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.98e4	1.06	NO	0.660	10.133	37.578	37.56	1.129	1.129	193.86	98.2	1.60	
24	24 13C-OCDD	1.13e5	0.92	NO	0.587	10.133	40.587	40.72	1.219	1.224	354.17	89.7	1.33	
25	25 13C-2,3,7,8-TCDF	1.64e5	0.77	NO	1.02	10.133	25.359	25.38	1.002	1.003	188.79	95.7	0.683	
26	26 13C-1,2,3,7,8-PeCDF	1.36e5	1.60	NO	0.842	10.133	29.240	29.30	1.156	1.158	190.16	96.3	0.673	
27	27 13C-2,3,4,7,8-PeCDF	1.37e5	1.62	NO	0.802	10.133	30.133	30.33	1.191	1.199	200.90	102	0.707	
28	28 13C-1,2,3,4,7,8-HxCDF	1.09e5	0.50	NO	1.00	10.133	32.885	32.85	0.988	0.987	199.27	101	1.07	
29	29 13C-1,2,3,6,7,8-HxCDF	1.08e5	0.49	NO	1.02	10.133	33.018	32.98	0.992	0.991	194.88	98.7	1.05	
30	30 13C-2,3,4,6,7,8-HxCDF	1.01e5	0.51	NO	0.955	10.133	33.587	33.65	1.009	1.011	194.41	98.5	1.12	
31	31 13C-1,2,3,7,8,9-HxCDF	9.10e4	0.48	NO	0.851	10.133	34.662	34.65	1.041	1.041	196.26	99.4	1.26	

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_5.qld

Last Altered: Monday, December 21, 2020 15:46:11 Pacific Standard Time

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Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

#	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	7.71e4	0.42	NO	0.848	10.133	36.180	36.24	1.087	1.089	166.76	84.5	1.18	
33	13C-1,2,3,4,7,8,9-HpCDF	6.02e4	0.42	NO	0.624	10.133	38.177	38.22	1.147	1.148	176.94	89.6	1.60	
34	13C-OCDF	1.37e5	0.85	NO	0.730	10.133	40.740	41.05	1.224	1.233	344.07	87.2	0.792	
35	37Cl-2,3,7,8-TCDD	4.83e4			1.21	10.133	25.956	26.05	1.026	1.030	74.027	93.8	0.122	
36	13C-1,2,3,4-TCDD	1.07e5	0.79	NO	1.00	10.133	25.300	25.30	1.000	1.000	197.38	100	1.17	
37	13C-1,2,3,4-TCDF	1.68e5	0.76	NO	1.00	10.133	23.880	23.90	1.000	1.000	197.38	100	0.698	
38	13C-1,2,3,4,6,9-HxCDF	1.08e5	0.50	NO	1.00	10.133	33.310	33.28	1.000	1.000	197.38	100	1.07	
39	Total Tetra-Dioxins				1.00	10.133	24.620		0.000		0.44775		0.140	0.448
40	Total Penta-Dioxins				0.935	10.133	29.960		0.000				0.105	
41	Total Hexa-Dioxins				1.02	10.133	33.635		0.000		6.2360		0.310	9.28
42	Total Hepta-Dioxins				1.00	10.133	37.640		0.000		75.508		0.872	75.5
43	Total Tetra-Furans				1.01	10.133	23.610		0.000		7.3223		0.243	11.0
44	1st Func. Penta-Furans				0.998	10.133	26.750		0.000		1.7051		0.0609	1.71
45	Total Penta-Furans				0.998	10.133	29.275		0.000		10.247		0.153	10.8
46	Total Hexa-Furans				1.09	10.133	33.555		0.000		14.147		0.198	14.8
47	Total Hepta-Furans				1.13	10.133	37.835		0.000		14.215		0.334	15.5

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Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_5.qld

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Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	25.77	1.752e3	3.063e3	1.262e2	1.503e2	0.84	NO	2.765e2	0.44775	0.44775	0.140

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.13	2.227e4	1.703e4	1.055e3	8.246e2	1.28	NO	1.879e3	4.5772	4.5772	0.310
2	Total Hexa-Dioxins	32.74	2.616e3	2.299e3	1.356e2	9.604e1	1.41	NO	2.317e2	0.56425	0.56425	0.310
3	Total Hexa-Dioxins	33.00	1.824e4	1.041e4	8.474e2	5.575e2	1.52	YES	0.000e0	0.00000	3.0412	0.310
4	1,2,3,6,7,8-HxCDD	33.88	4.478e3	3.524e3	2.764e2	1.950e2	1.42	NO	4.714e2	1.0945	1.0945	0.284

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.62	1.092e5	1.142e5	8.311e3	8.403e3	0.99	NO	1.671e4	47.230	47.230	0.872
2	1,2,3,4,6,7,8-HpCDD	37.57	8.595e4	7.915e4	5.090e3	4.918e3	1.03	NO	1.001e4	28.278	28.278	0.872



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_5.qld

Last Altered: Monday, December 21, 2020 15:46:11 Pacific Standard Time  
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Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.63	2.628e3	3.505e3	2.132e2	3.466e2	0.62	YES	0.000e0	0.00000	0.58255	0.243
2	Total Tetra-Furans	22.50	4.834e3	6.853e3	4.264e2	6.006e2	0.71	NO	1.027e3	1.2206	1.2206	0.243
3	Total Tetra-Furans	22.92	2.470e3	3.447e3	1.996e2	2.220e2	0.90	YES	0.000e0	0.00000	0.46707	0.243
4	Total Tetra-Furans	23.27	3.182e3	2.226e3	1.499e2	1.502e2	1.00	YES	0.000e0	0.00000	0.31598	0.243
5	Total Tetra-Furans	24.00	3.506e3	4.205e3	3.902e2	4.920e2	0.79	NO	0.000e0	0.00000	1.0486	0.243
6	Total Tetra-Furans	24.44	1.537e4	2.033e4	1.085e3	1.511e3	0.72	NO	2.596e3	3.0857	3.0857	0.243
7	Total Tetra-Furans	25.29	5.225e3	5.715e3	3.859e2	3.793e2	1.02	YES	0.000e0	0.00000	0.79785	0.243
8	2,3,7,8-TCDF	25.39	1.718e4	2.231e4	1.095e3	1.443e3	0.76	NO	2.538e3	3.0160	3.0160	0.243
9	Total Tetra-Furans	27.04	2.034e3	1.873e3	1.372e2	1.237e2	1.11	YES	0.000e0	0.00000	0.26016	0.243
10	Total Tetra-Furans	27.20	1.394e3	3.025e3	9.200e1	1.600e2	0.58	YES	0.000e0	0.00000	0.25135	0.243

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.83	1.302e4	7.318e3	7.403e2	4.355e2	1.70	NO	1.176e3	1.7051	1.7051	0.0609

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.37	1.526e4	1.095e4	1.033e3	6.511e2	1.59	NO	1.684e3	2.4424	2.4424	0.153
2	Total Penta-Furans	28.98	4.128e3	3.121e3	2.251e2	2.117e2	1.06	YES	0.000e0	0.00000	0.53709	0.153
3	Total Penta-Furans	29.14	6.637e3	4.678e3	3.434e2	2.220e2	1.55	NO	5.654e2	0.81983	0.81983	0.153
4	1,2,3,7,8-PeCDF	29.32	2.377e4	1.532e4	1.331e3	8.655e2	1.54	NO	2.196e3	3.1942	3.1942	0.155
5	Total Penta-Furans	29.56	1.083e4	5.956e3	6.686e2	3.992e2	1.67	NO	1.068e3	1.5485	1.5485	0.153
6	2,3,4,7,8-PeCDF	30.33	1.815e4	1.175e4	1.008e3	6.611e2	1.52	NO	1.669e3	2.2417	2.2417	0.141

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Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_5.qld

Last Altered: Monday, December 21, 2020 15:46:11 Pacific Standard Time

Printed: Monday, December 21, 2020 15:47:05 Pacific Standard Time

Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.59	5.086e3	3.794e3	2.446e2	1.873e2	1.31	NO	4.320e2	0.76637	0.76637	0.198
2	Total Hexa-Furans	31.77	1.420e4	1.367e4	7.998e2	6.868e2	1.16	NO	1.487e3	2.6374	2.6374	0.198
3	Total Hexa-Furans	32.40	2.110e4	1.449e4	9.494e2	7.663e2	1.24	NO	1.716e3	3.0438	3.0438	0.198
4	1,2,3,4,7,8-HxCDF	32.86	2.930e4	2.359e4	1.660e3	1.339e3	1.24	NO	3.000e3	5.1716	5.1716	0.180
5	1,2,3,6,7,8-HxCDF	33.00	8.029e3	6.260e3	5.237e2	3.839e2	1.36	NO	9.076e2	1.5061	1.5061	0.176
6	2,3,4,6,7,8-HxCDF	33.67	3.013e3	3.798e3	1.887e2	1.826e2	1.03	YES	3.712e2	0.00000	0.61147	0.202
7	1,2,3,7,8,9-HxCDF	34.66	3.343e3	2.750e3	7.983e1	7.239e1	1.10	NO	1.522e2	0.30513	0.30513	0.248
8	Total Hexa-Furans	34.70	4.151e3	3.384e3	2.284e2	1.755e2	1.30	NO	4.039e2	0.71656	0.71656	0.198

Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.26	1.501e4	1.720e4	1.182e3	1.215e3	0.97	NO	2.397e3	5.4283	5.4283	0.324
2	Total Hepta-Furans	36.95	2.660e4	2.462e4	1.759e3	1.695e3	1.04	NO	3.455e3	8.7869	8.7869	0.334
3	1,2,3,4,7,8,9-HpCDF	38.23	5.548e3	4.145e3	3.233e2	2.518e2	1.28	YES	5.752e2	0.00000	1.3103	0.305

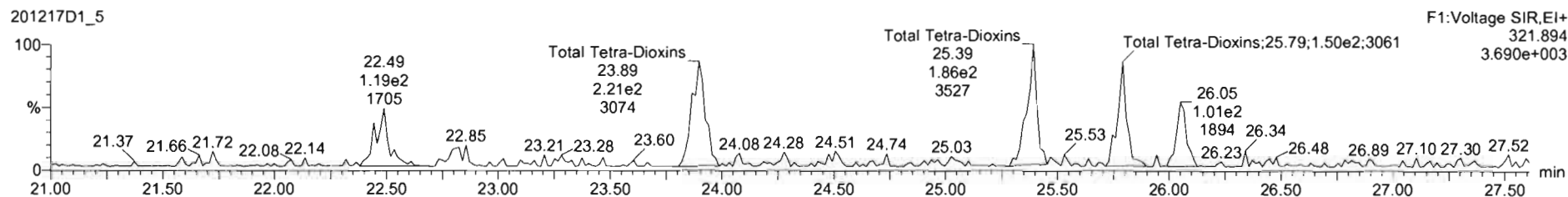
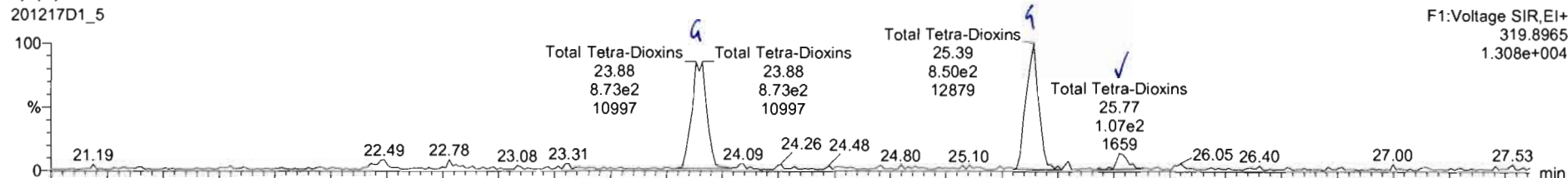
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Last Altered: Friday, December 18, 2020 09:38:58 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:39:22 Pacific Standard Time

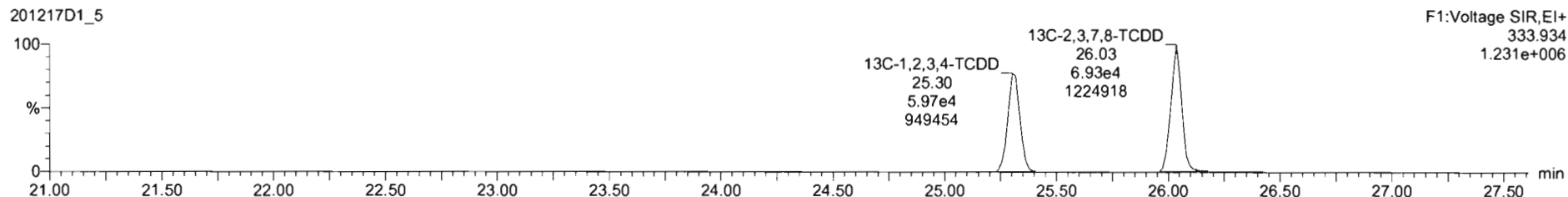
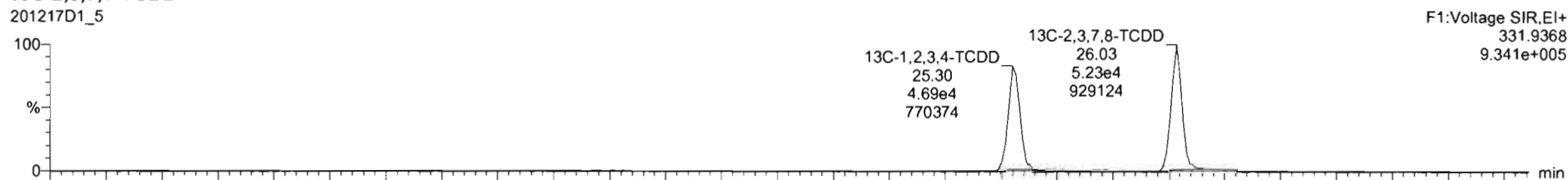
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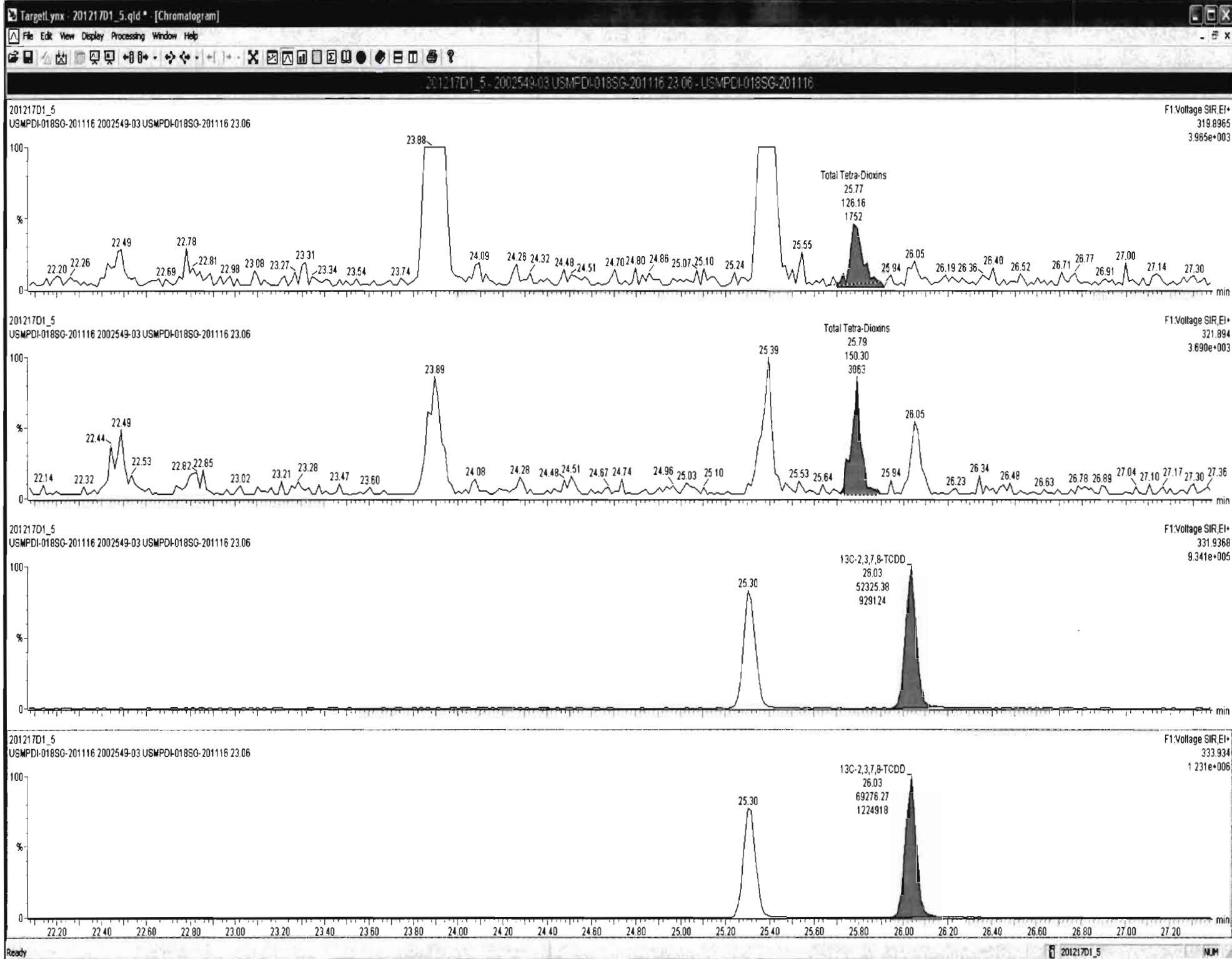
Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

### 2,3,7,8-TCDD



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





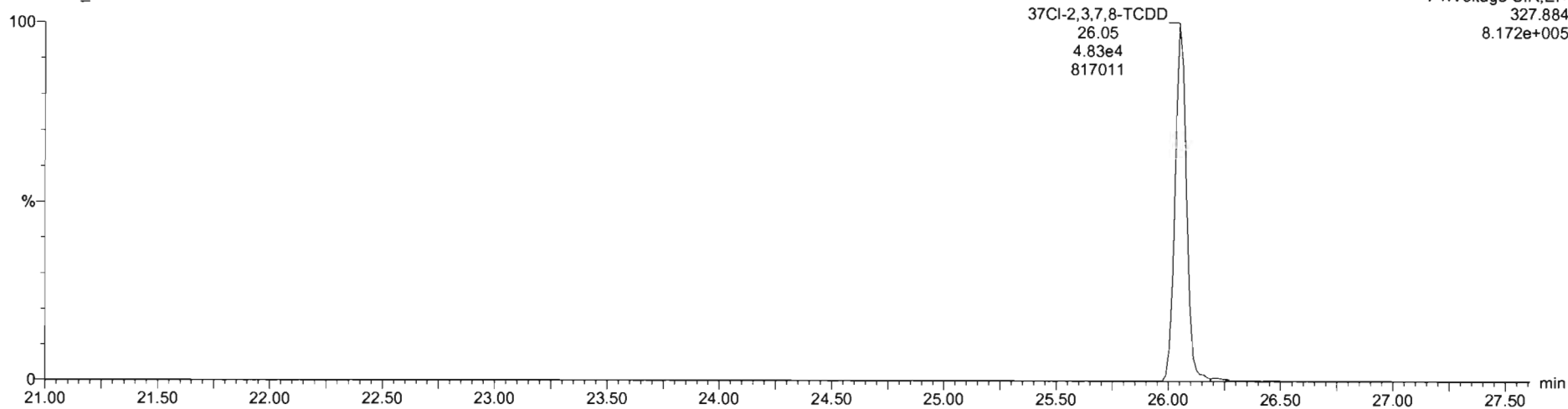
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Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

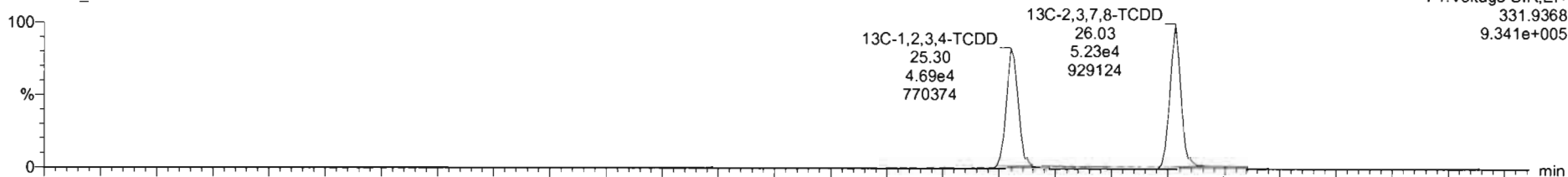
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201217D1\_5

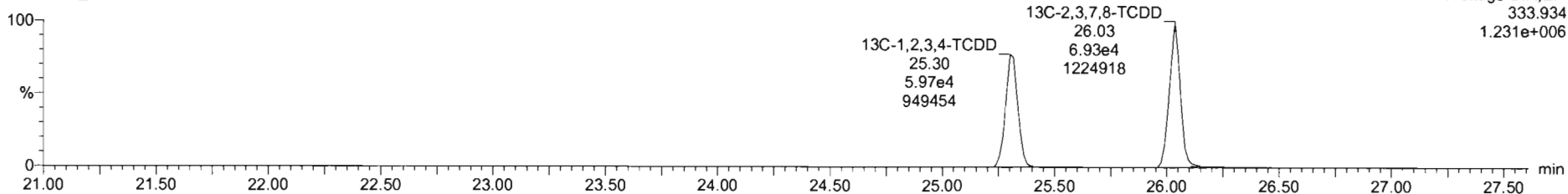


**13C-1,2,3,4-TCDD**

201217D1\_5



201217D1\_5

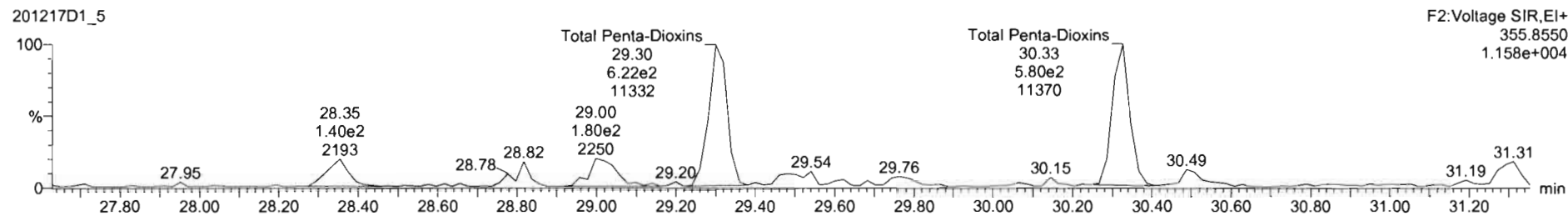
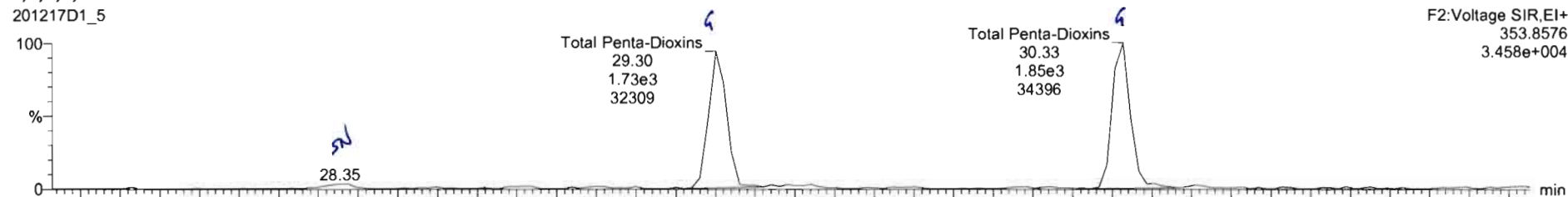


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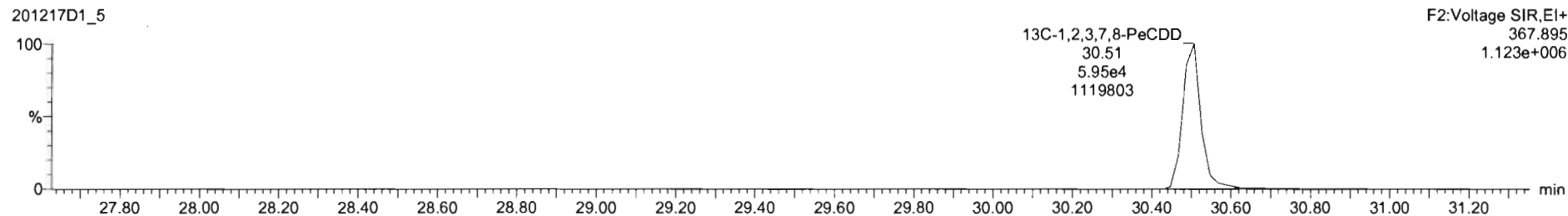
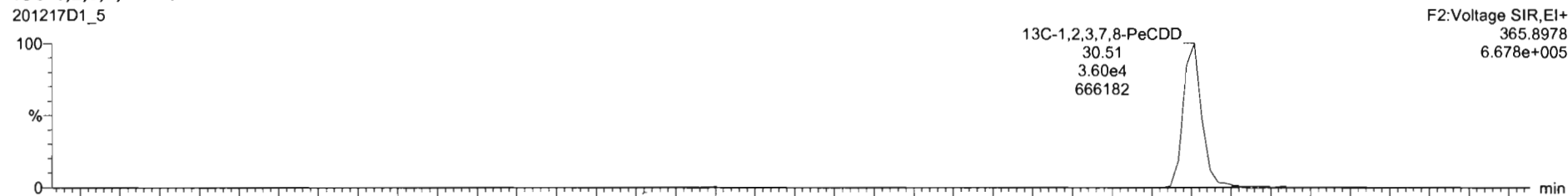
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Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

1,2,3,7,8-PeCDD



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



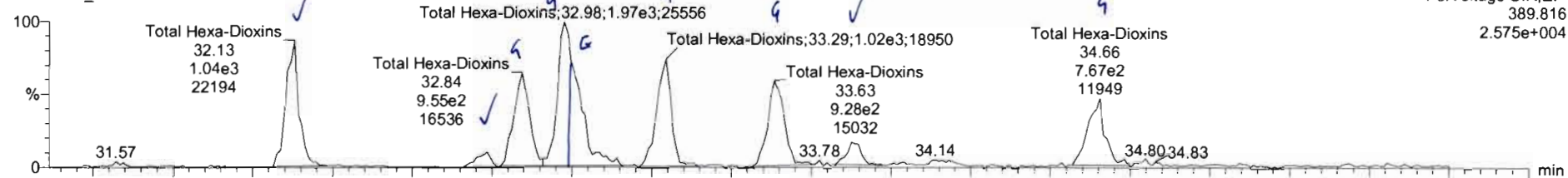
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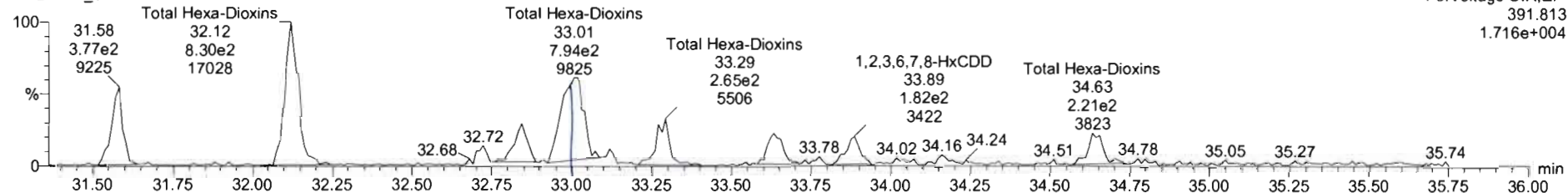
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1,2,3,4,7,8-HxCDD

201217D1\_5

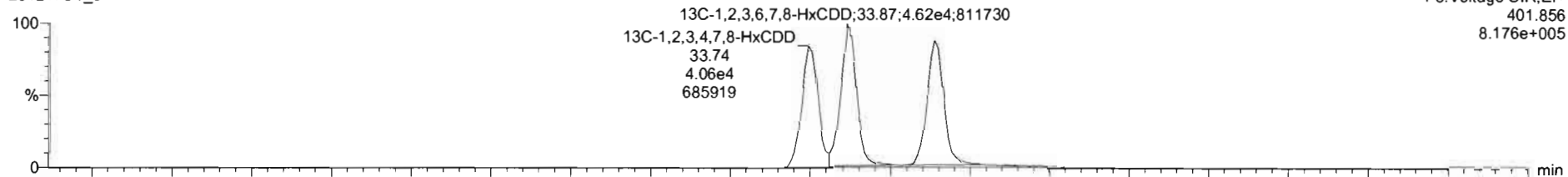


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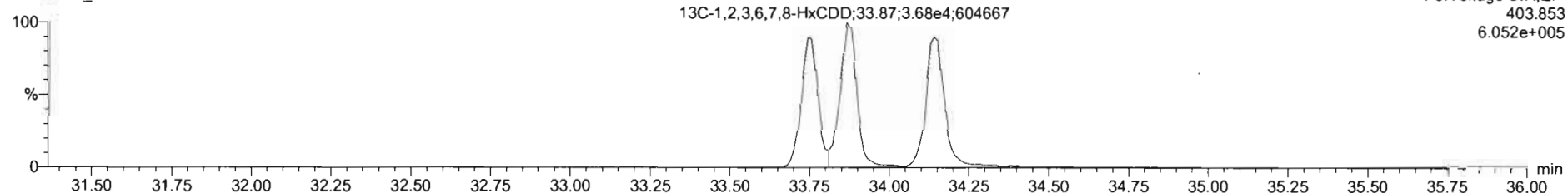


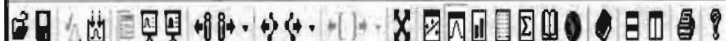
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201217D1\_5

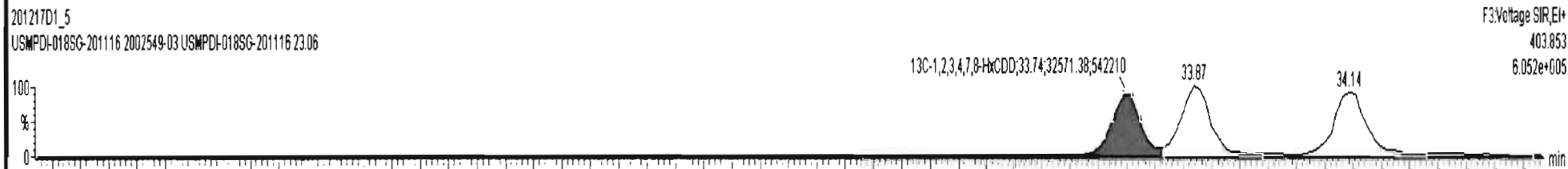
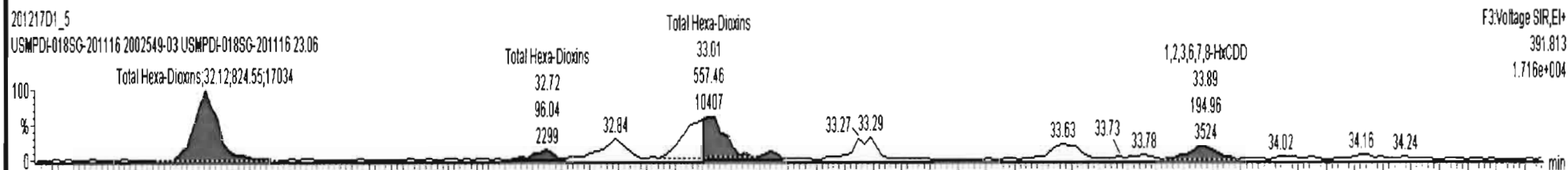
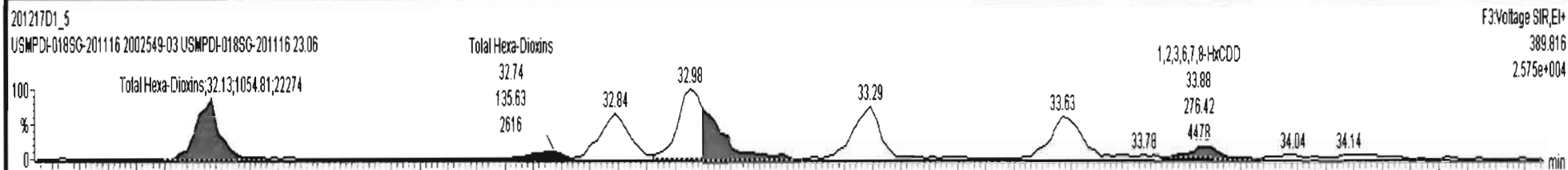


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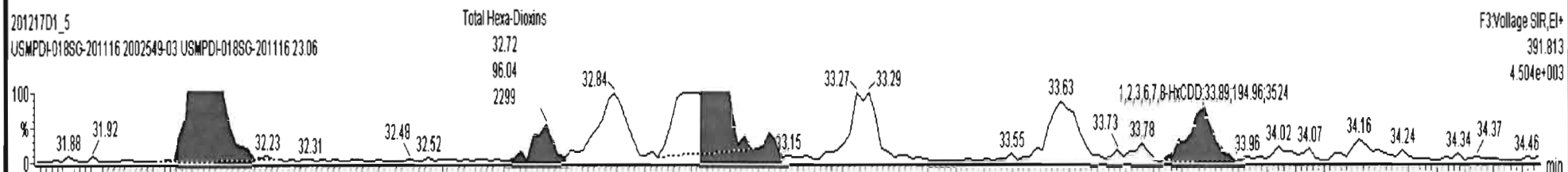
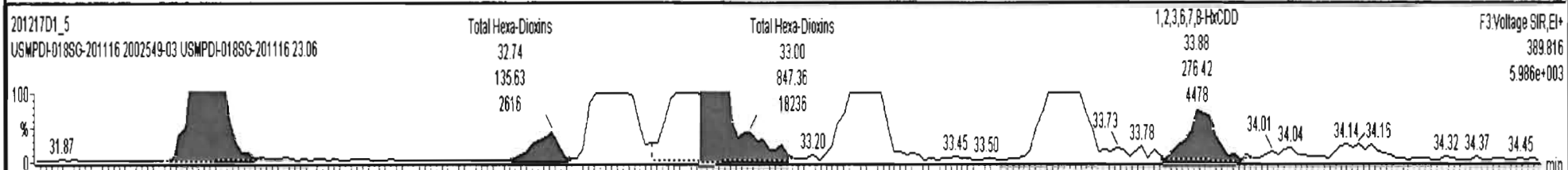
201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116







201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116



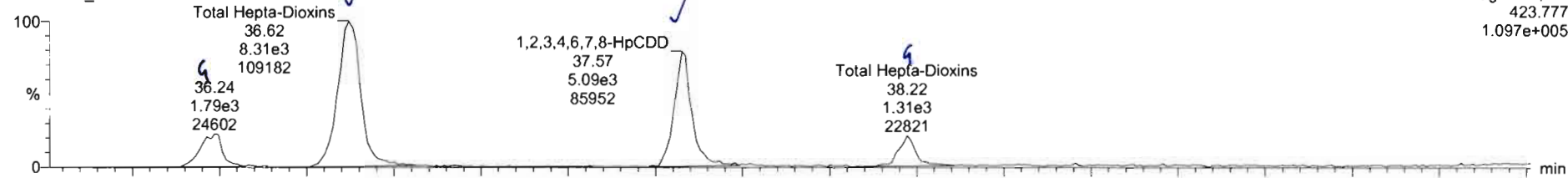
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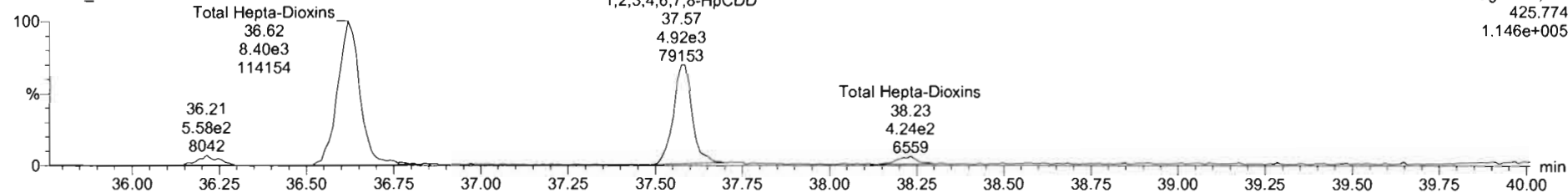
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1,2,3,4,6,7,8-HpCDD

201217D1\_5

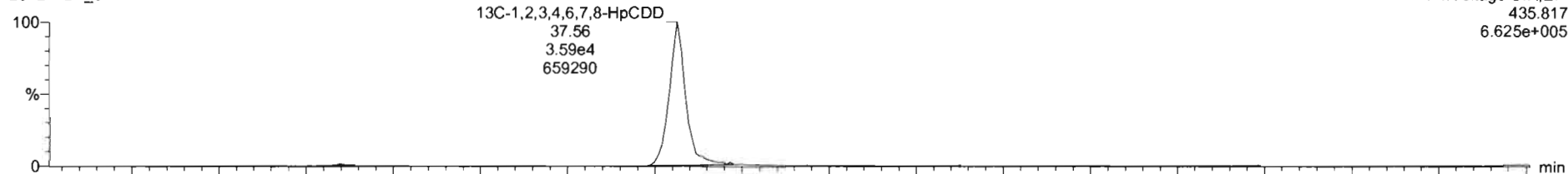


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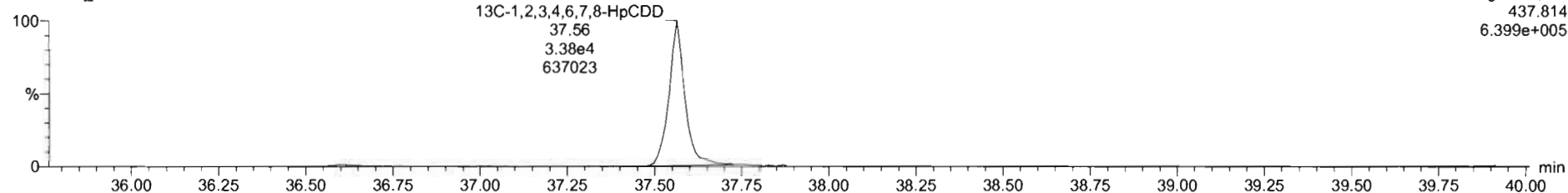


13C-1,2,3,4,6,7,8-HpCDD

201217D1\_5



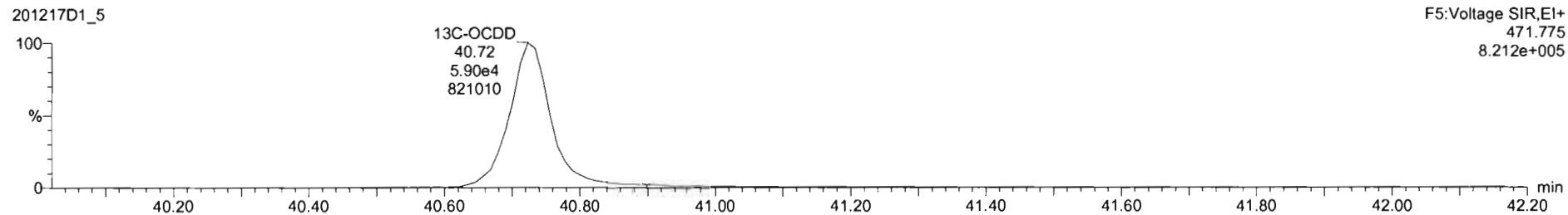
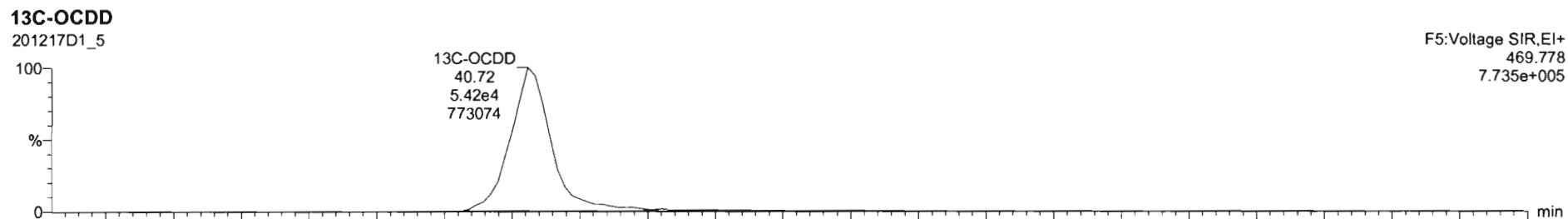
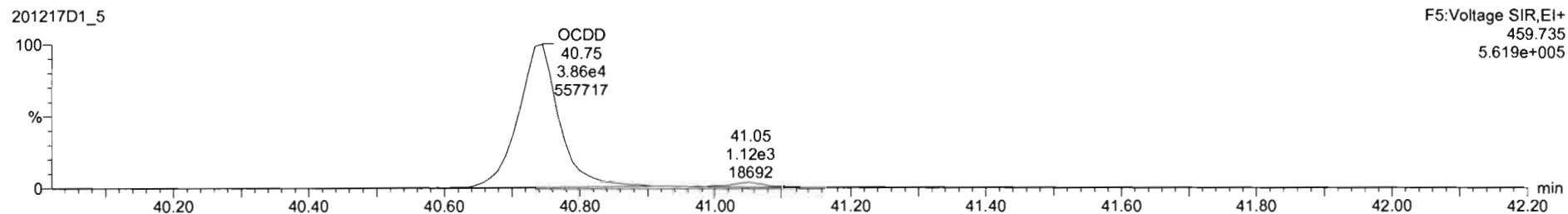
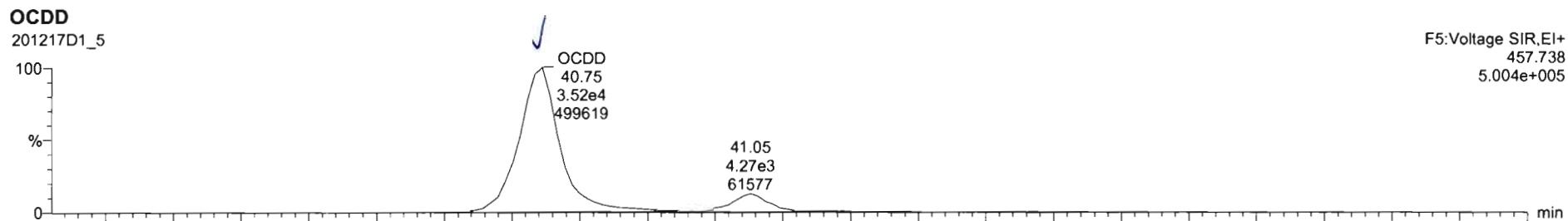
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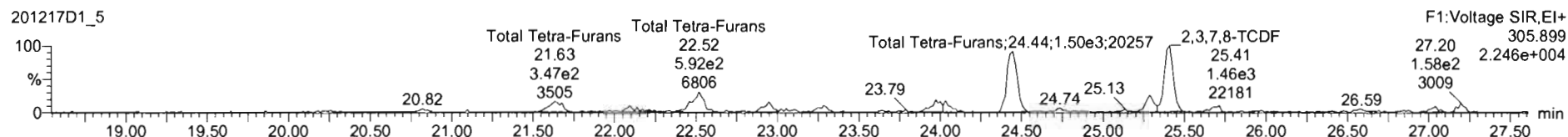
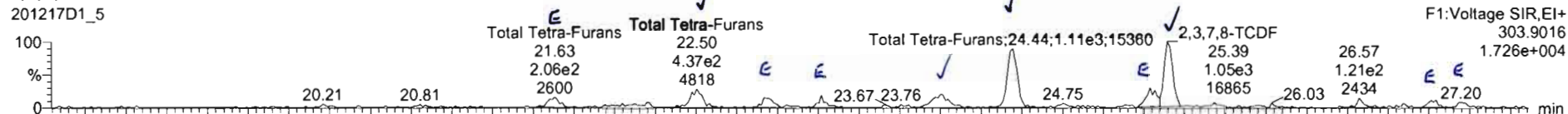


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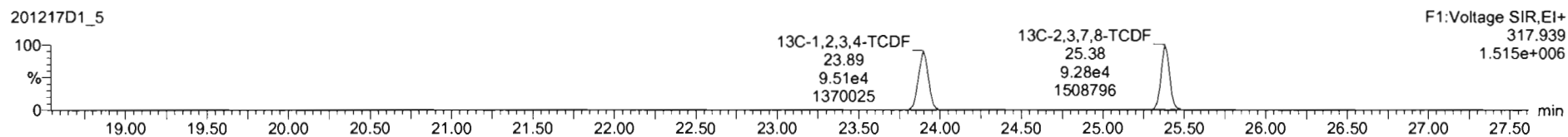
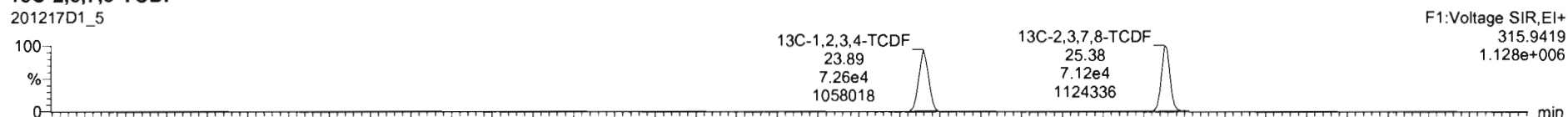
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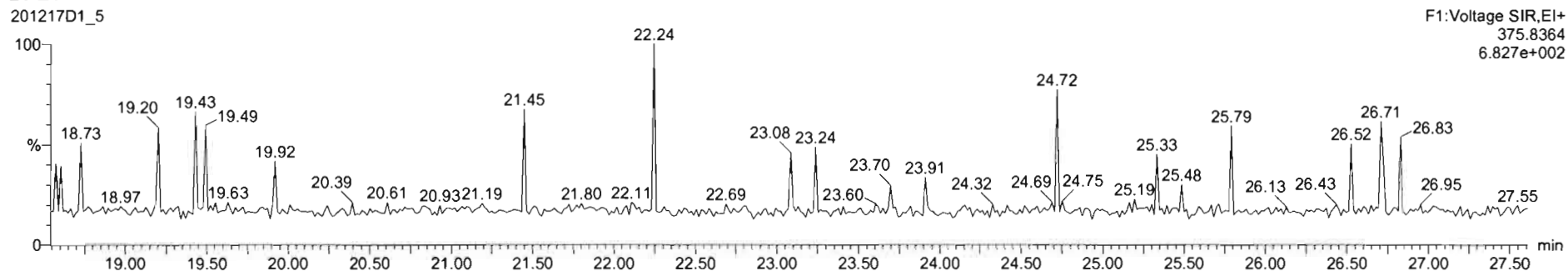
### 2,3,7,8-TCDF

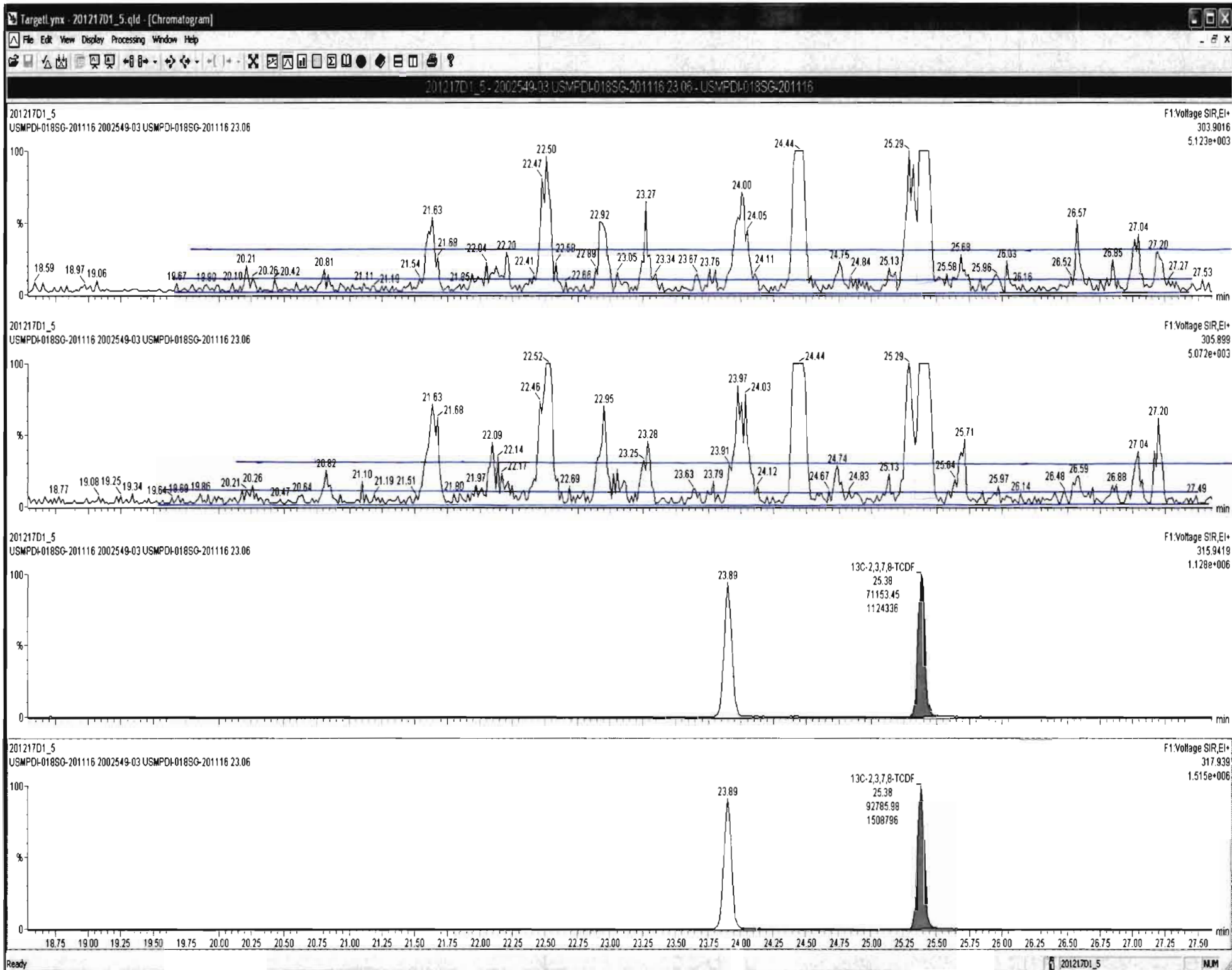


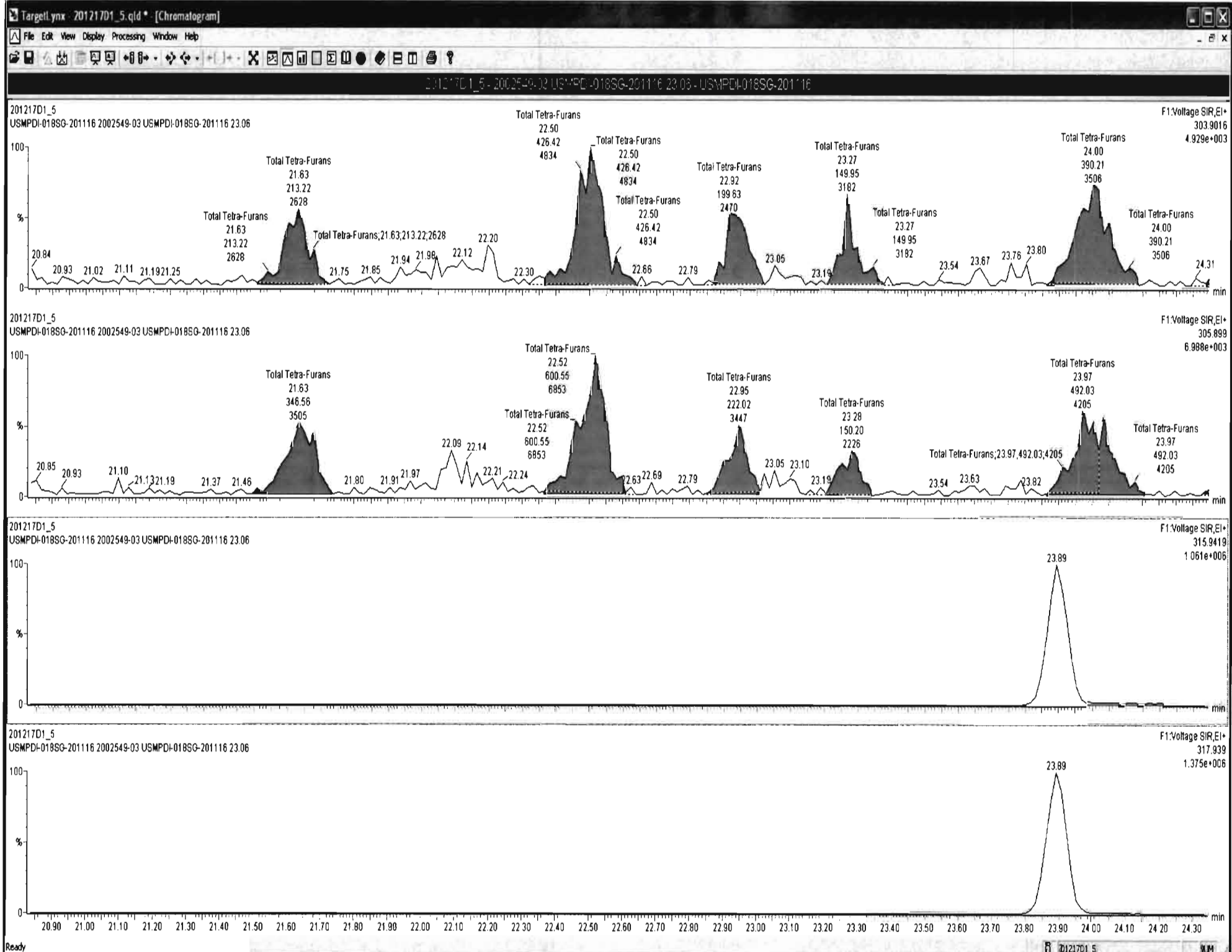
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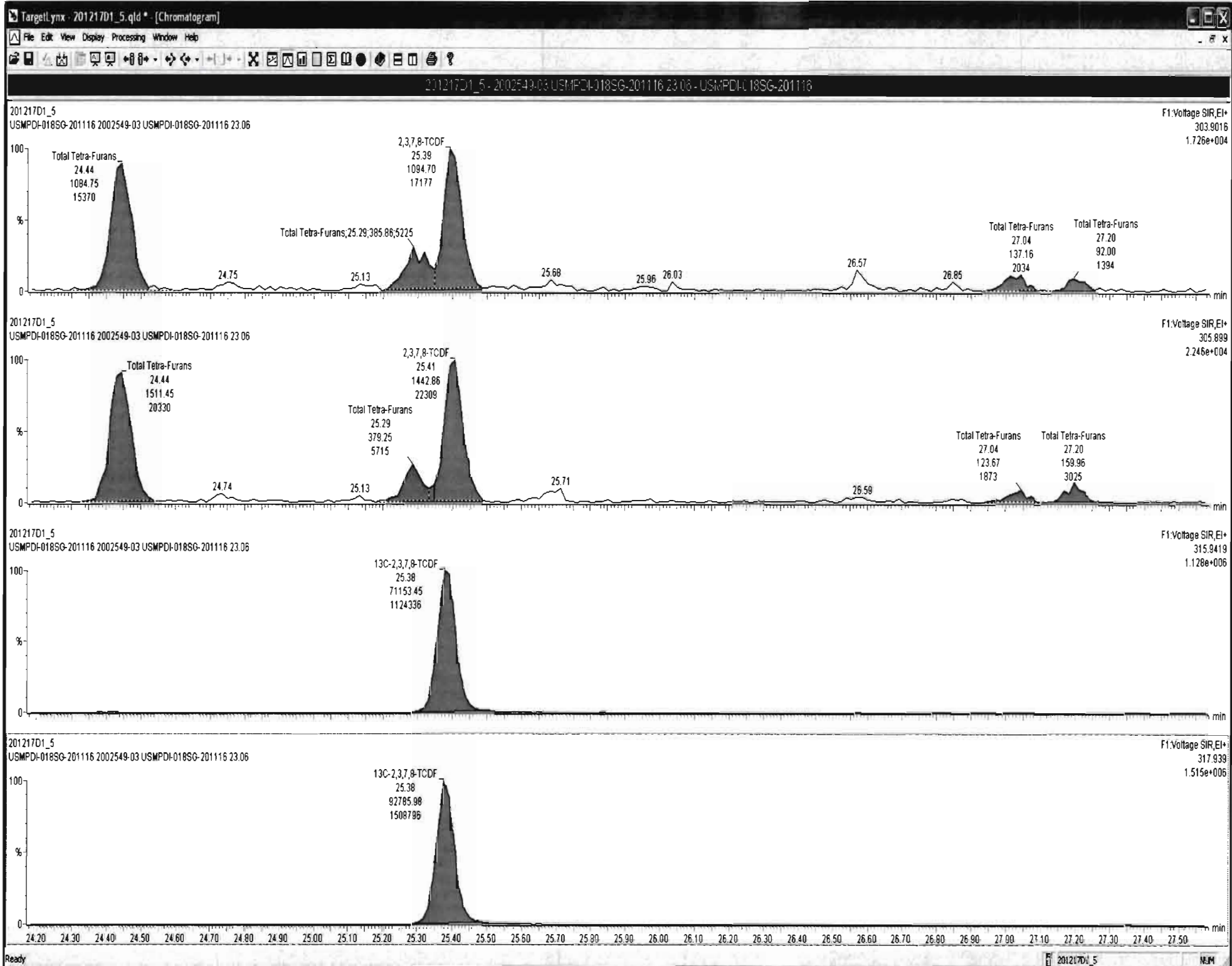


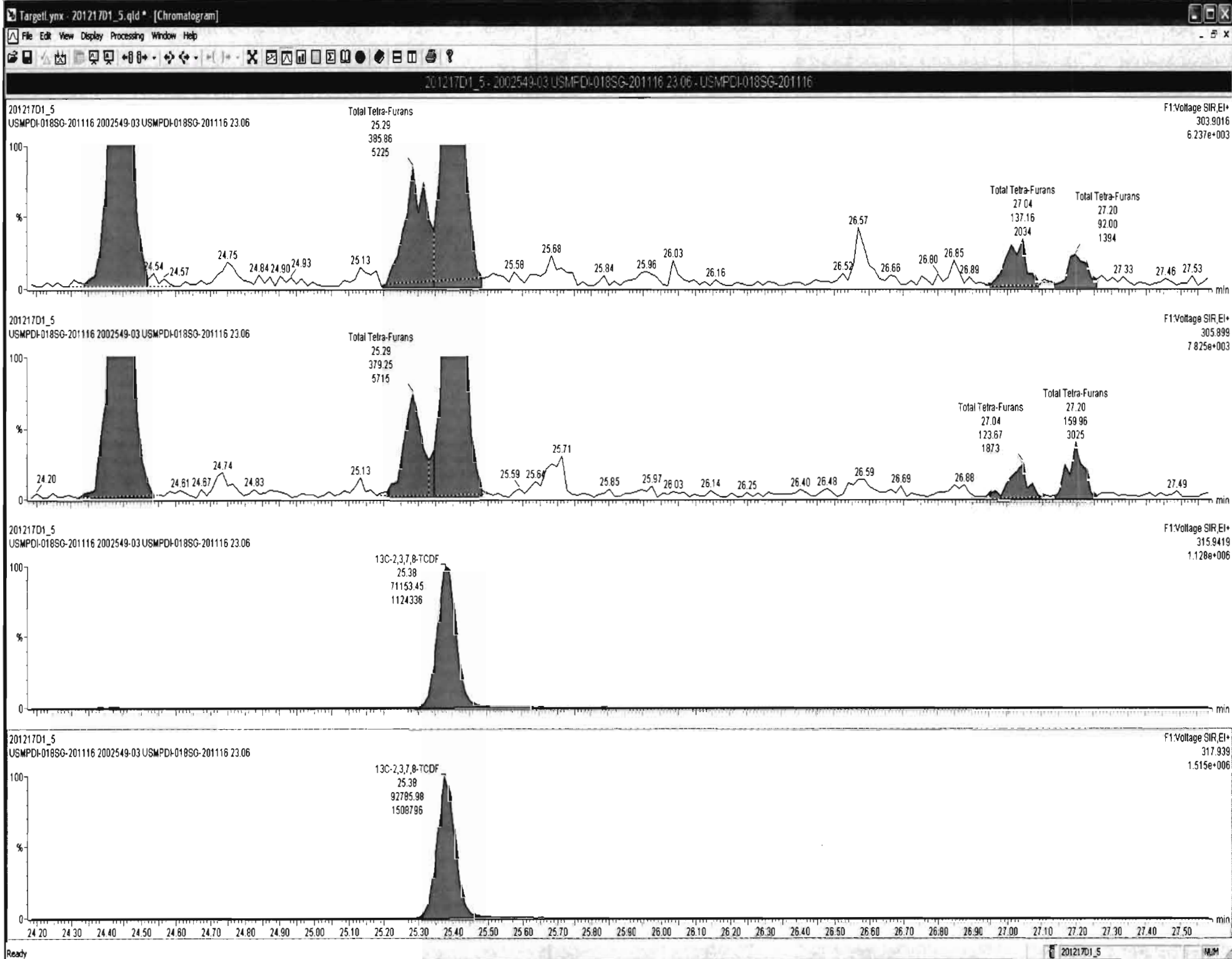
### DPE1













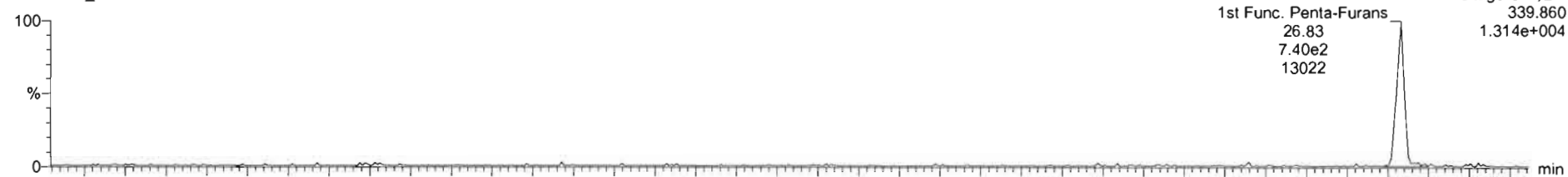
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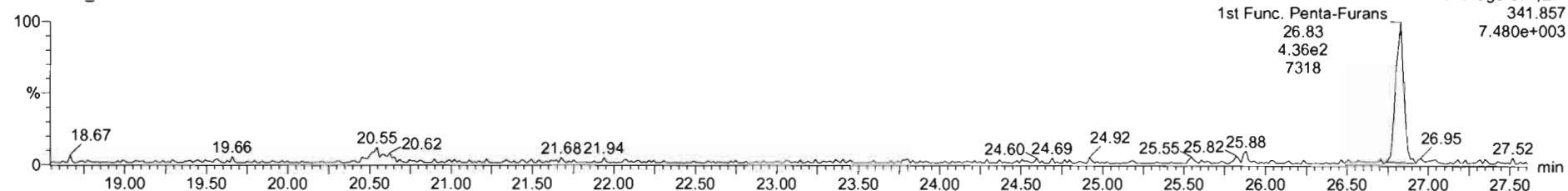
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1st Func. Penta-Furans

201217D1\_5

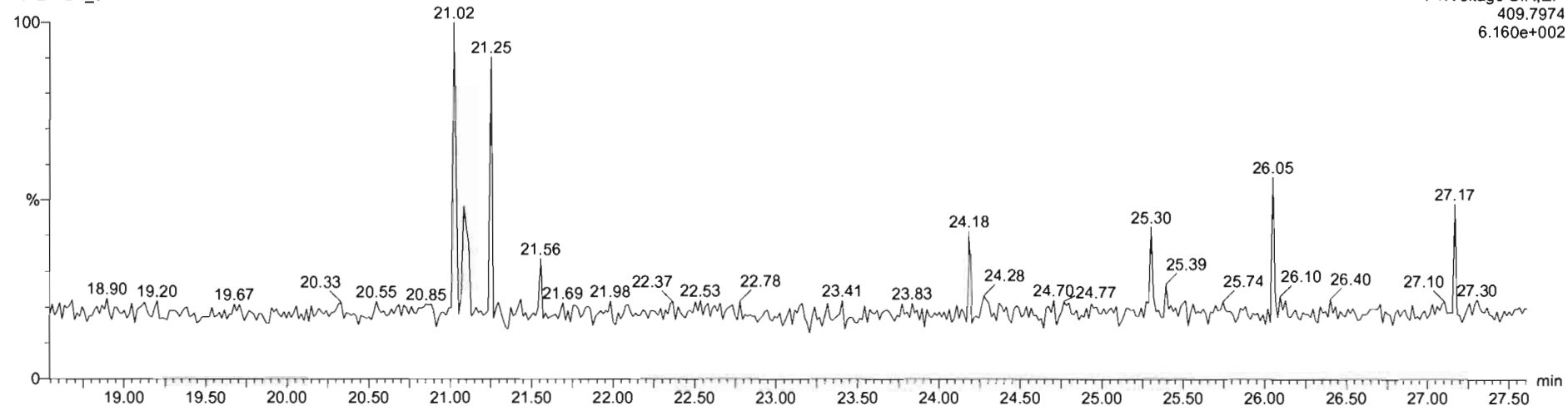


201217D1\_5



DPE6

201217D1\_5

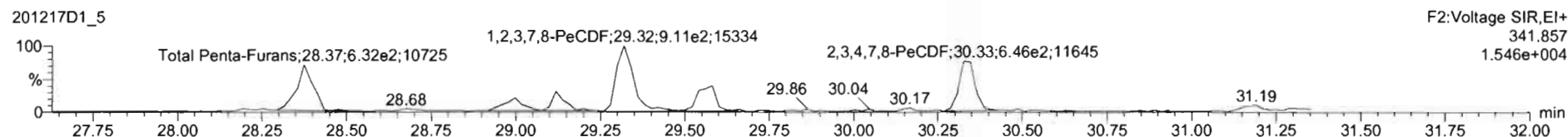
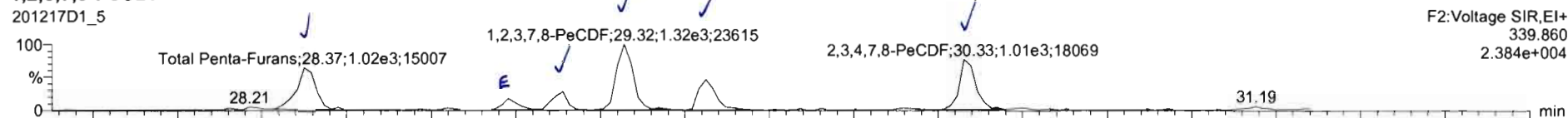


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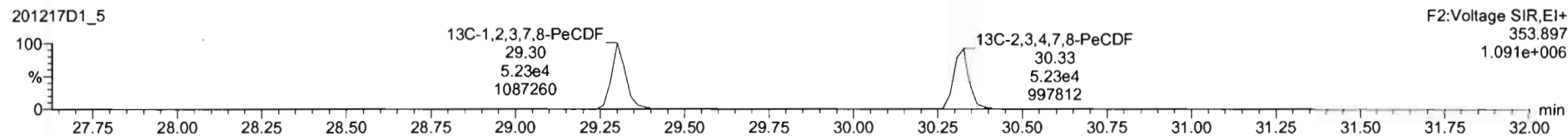
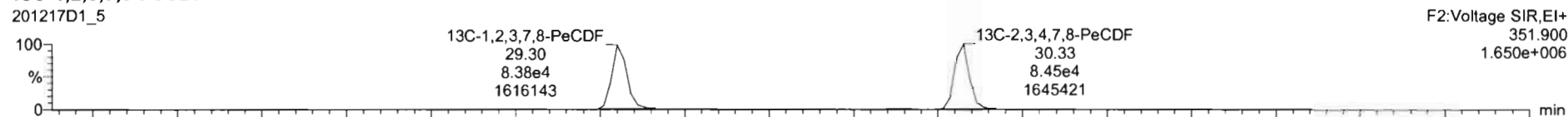
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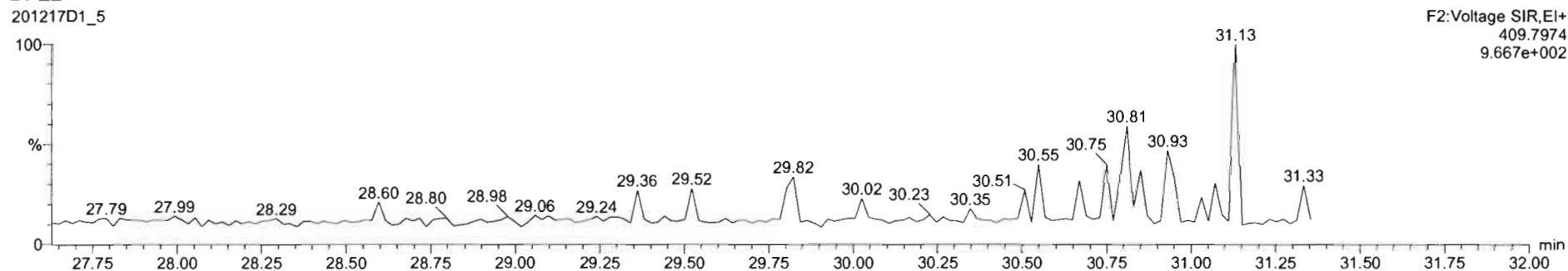
**1,2,3,7,8-PeCDF**



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

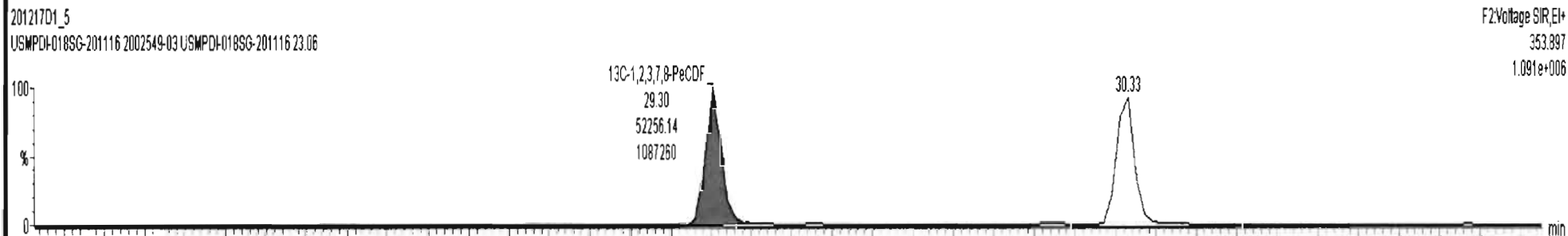
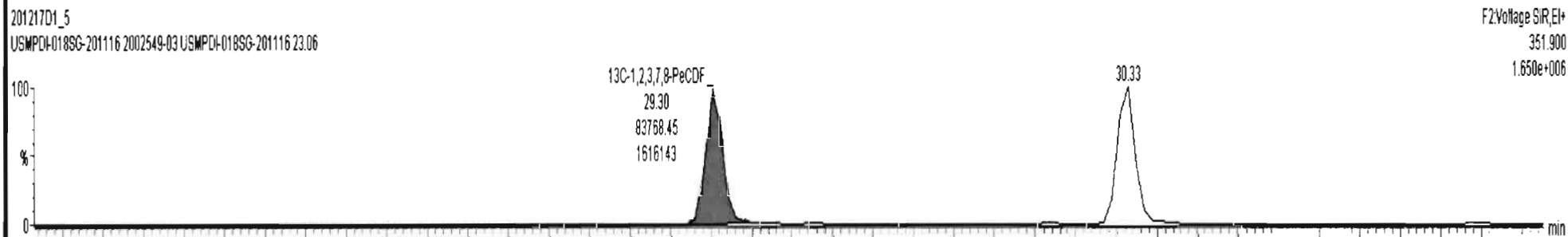
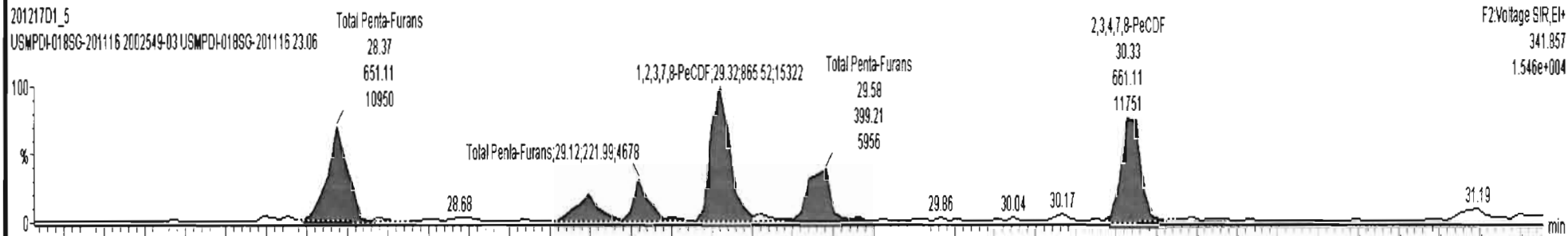
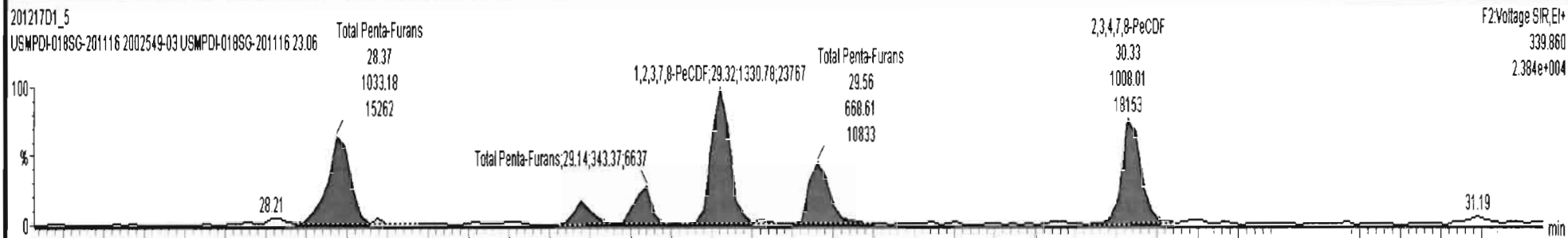


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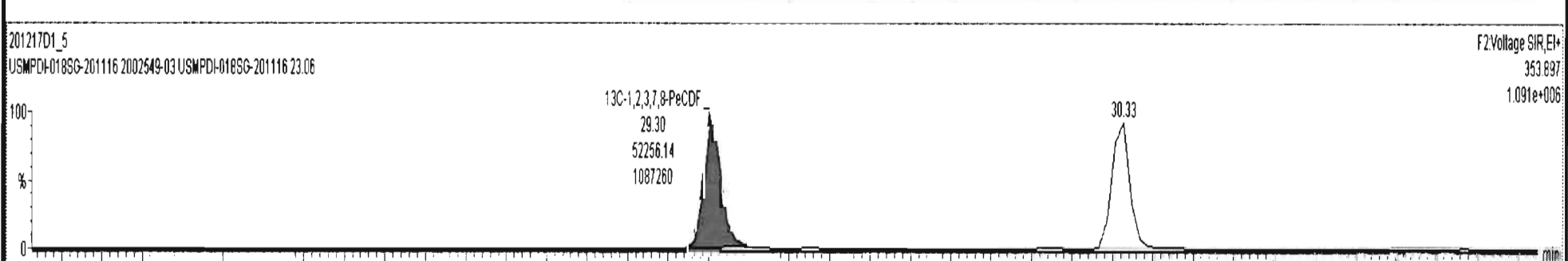
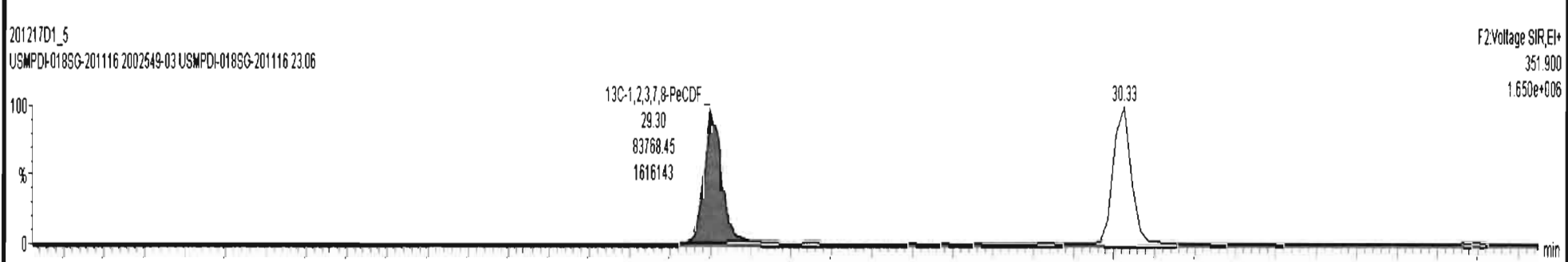
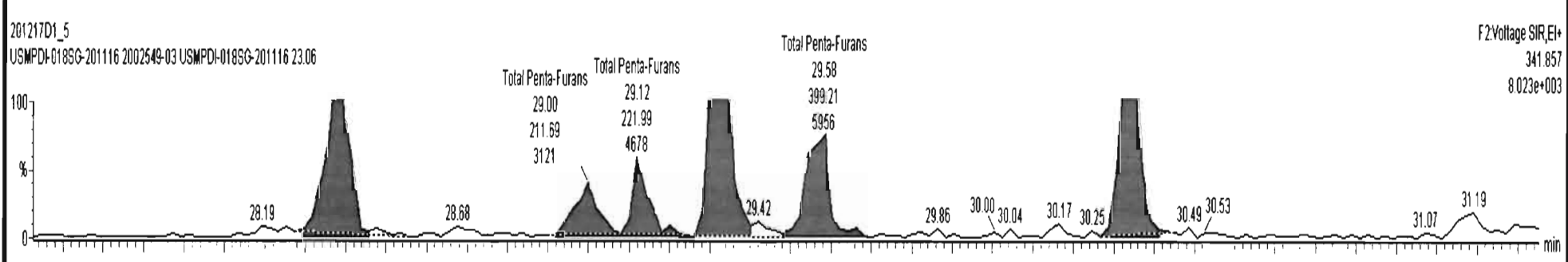
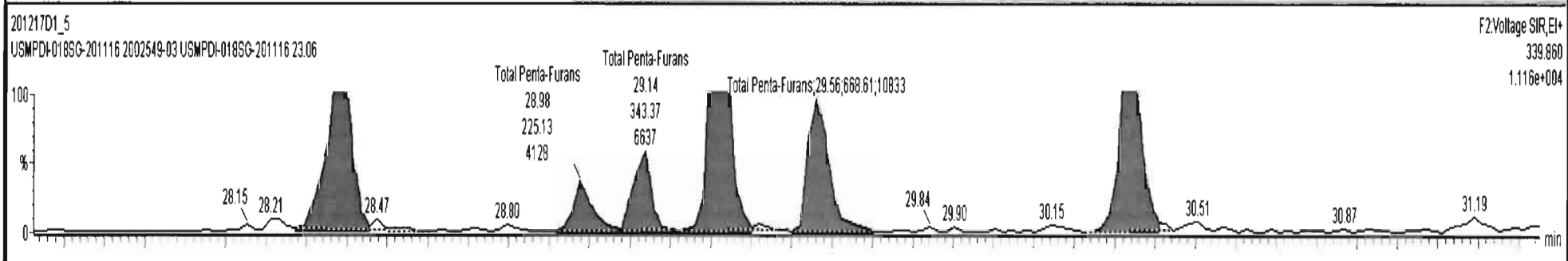




201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116



201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116

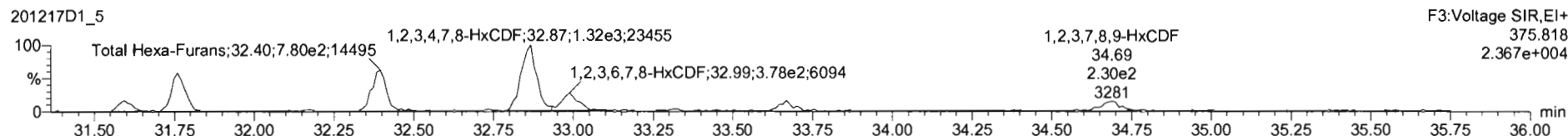
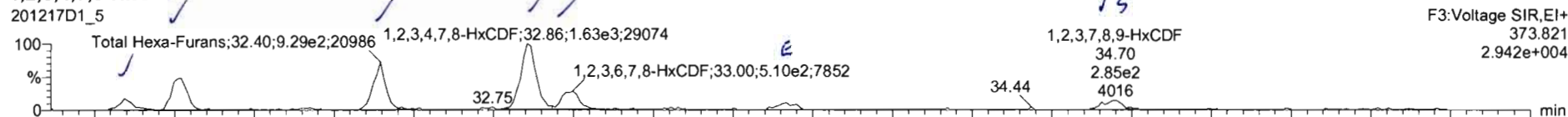


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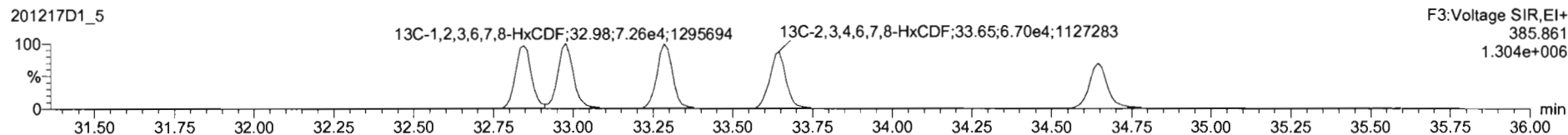
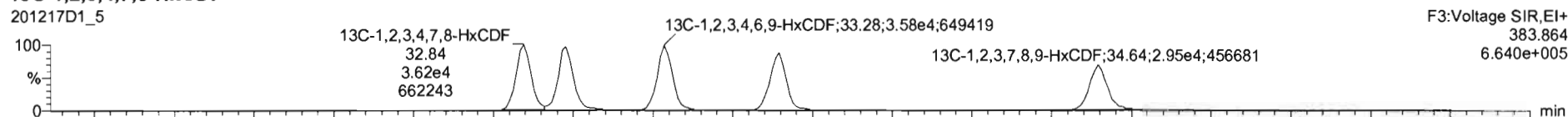
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Printed: Friday, December 18, 2020 09:39:22 Pacific Standard Time

Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

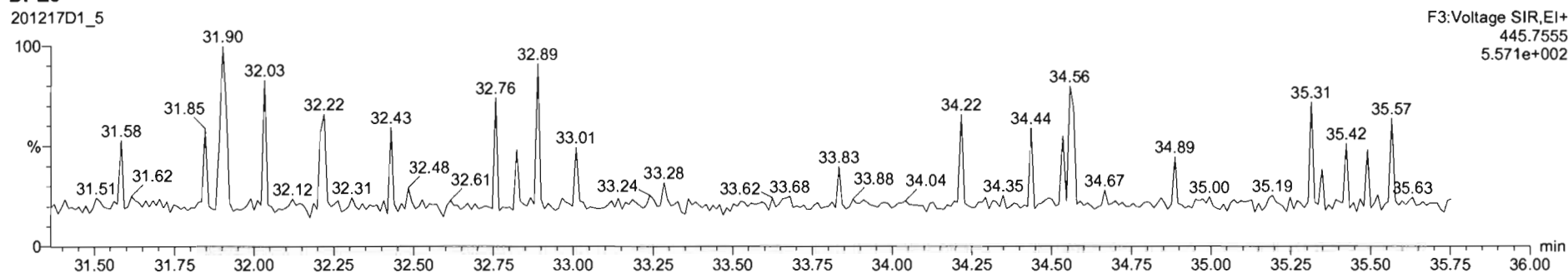
1,2,3,4,7,8-HxCDF

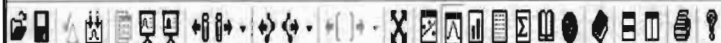


13C-1,2,3,4,7,8-HxCDF

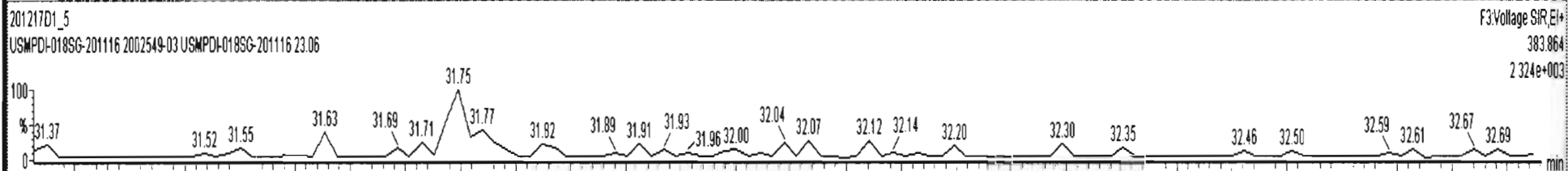
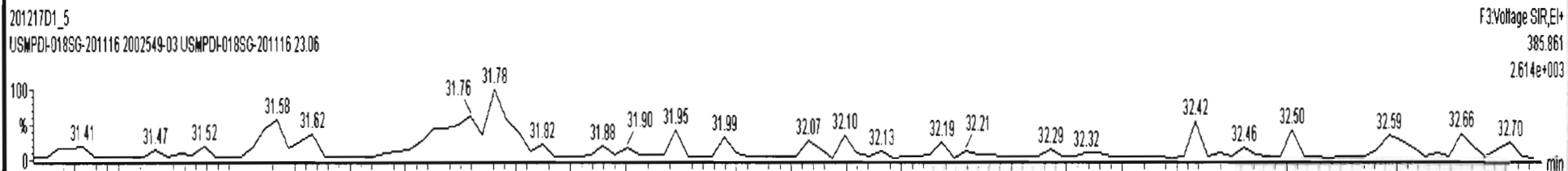
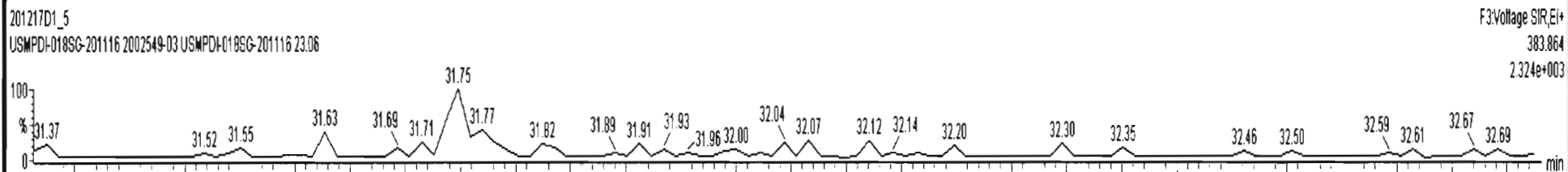


DPE3



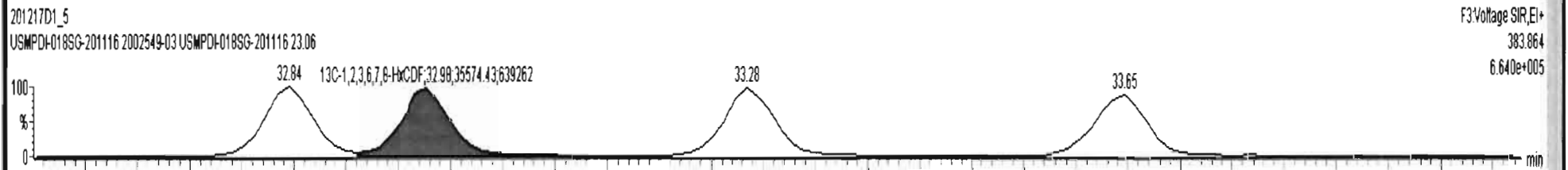
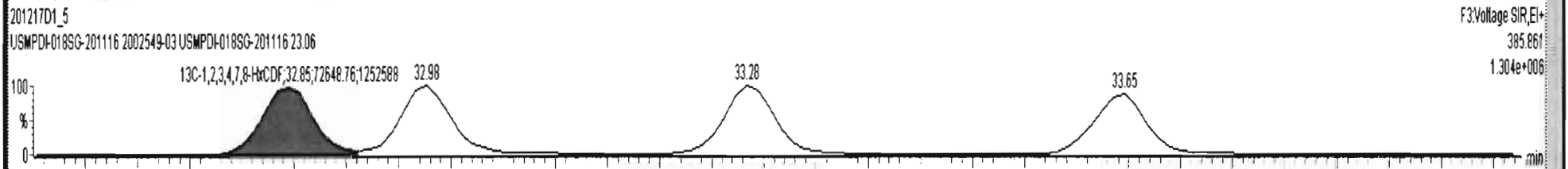
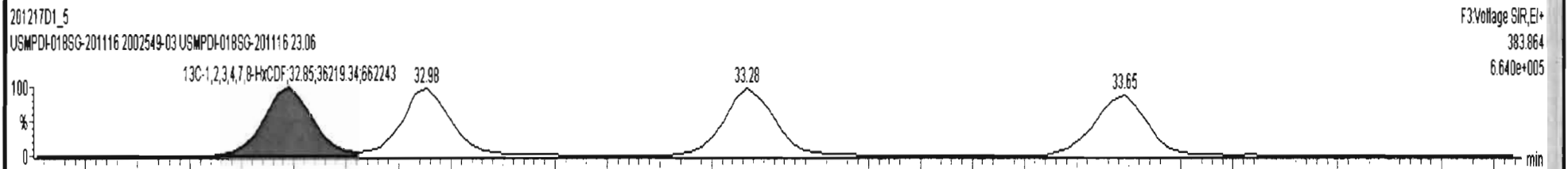
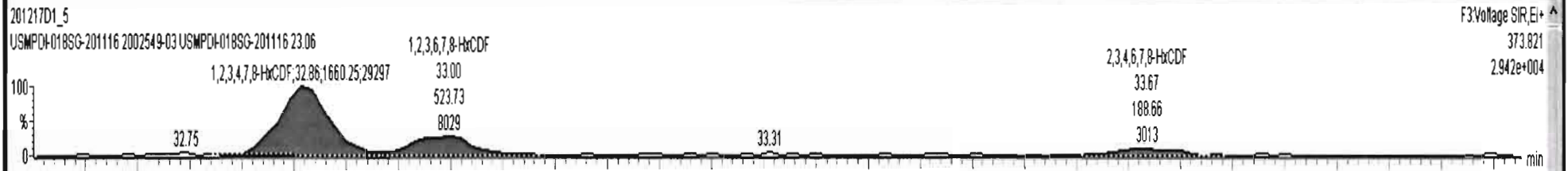


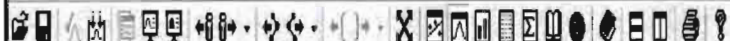
201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116



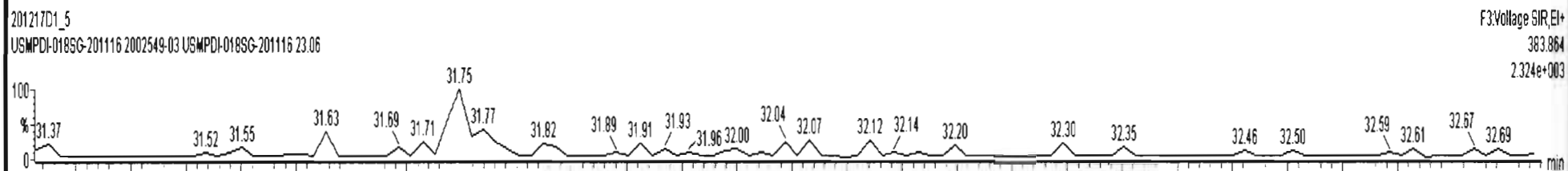
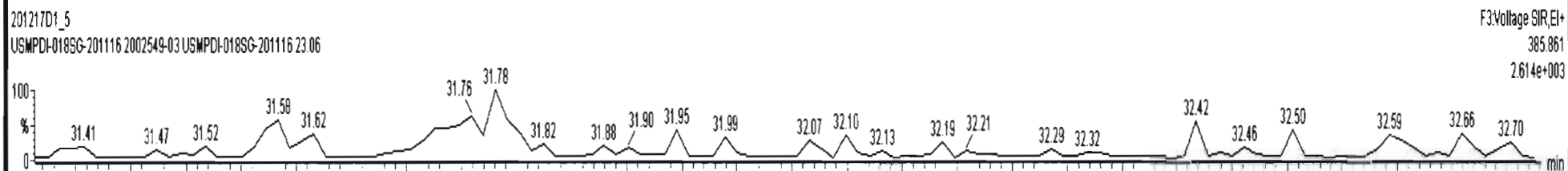
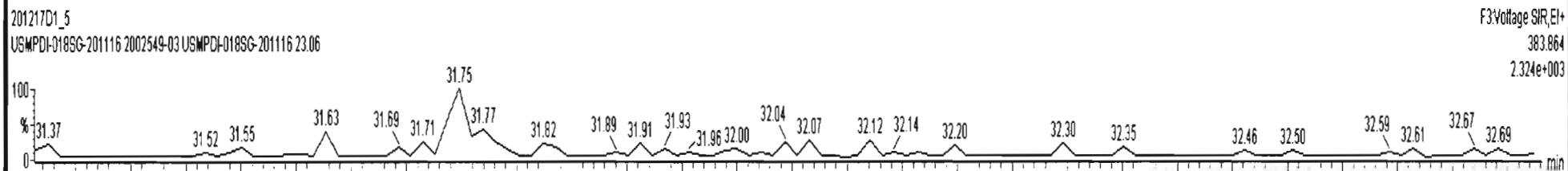
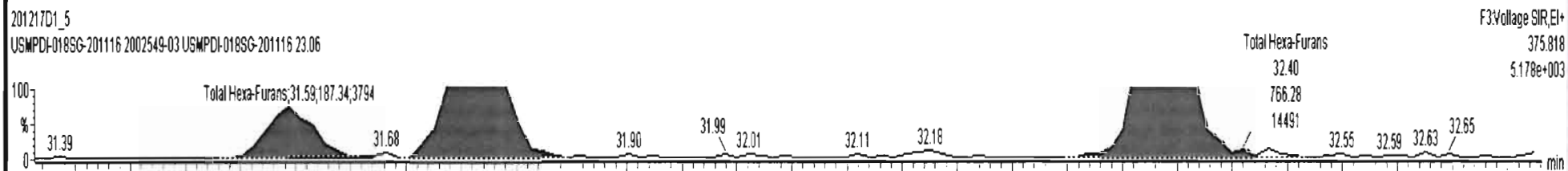
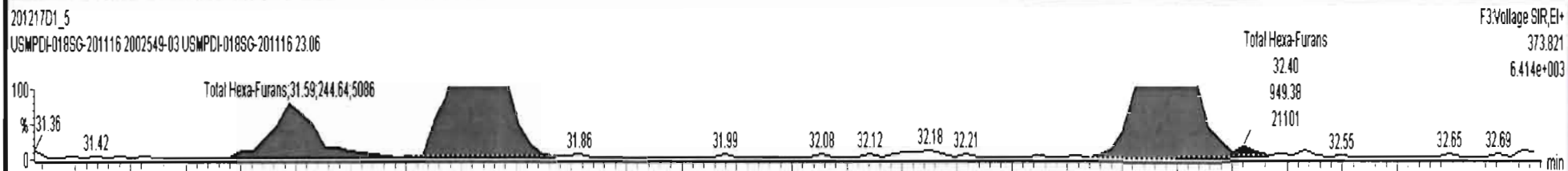


201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116





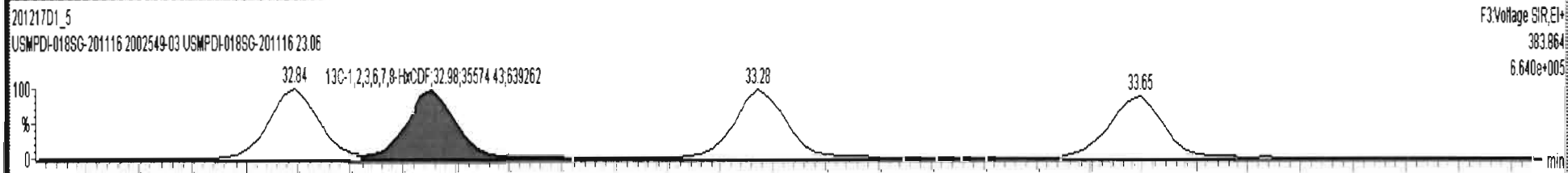
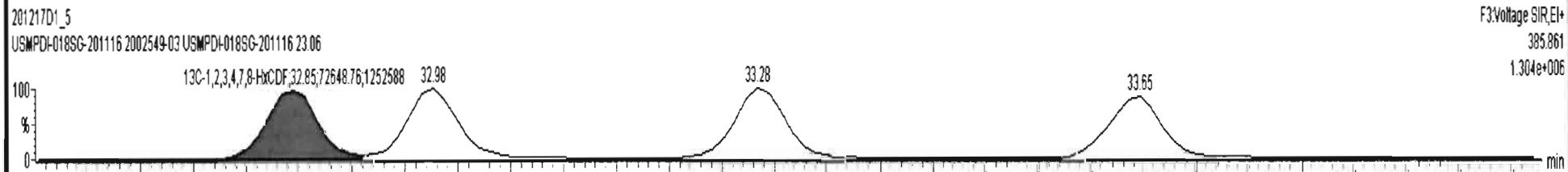
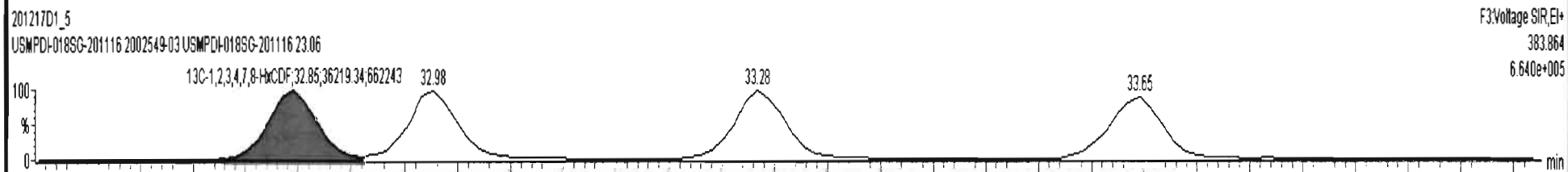
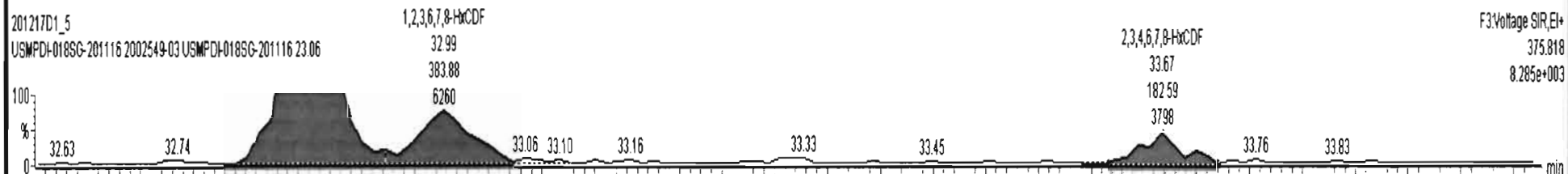
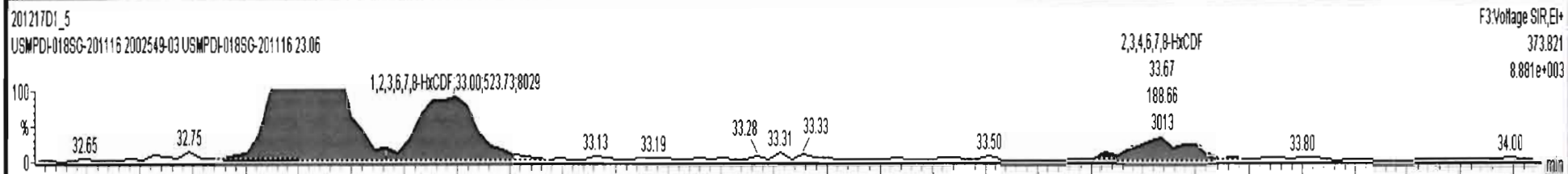
201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116

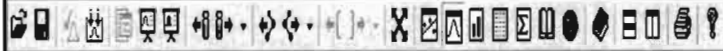




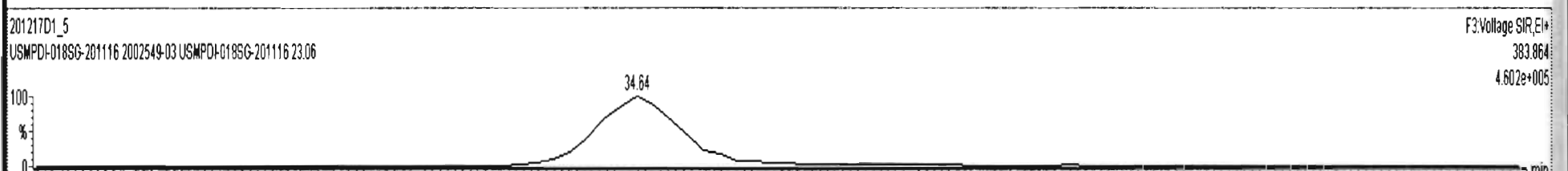
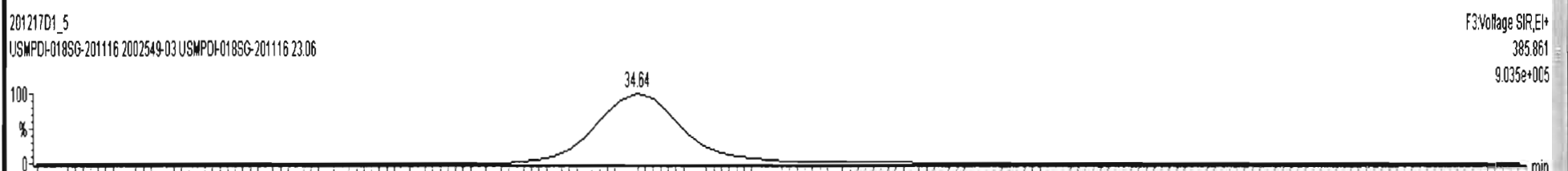
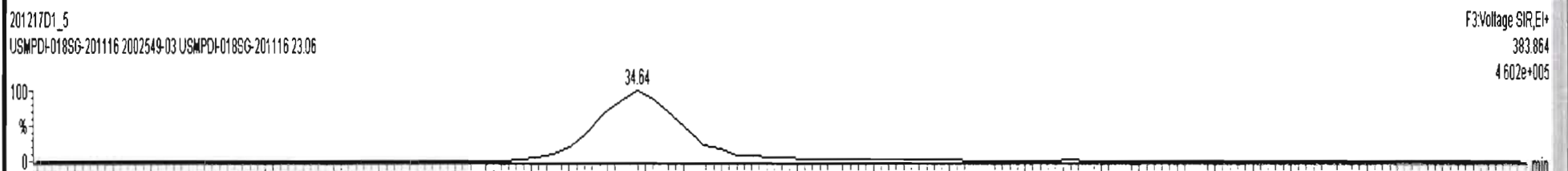
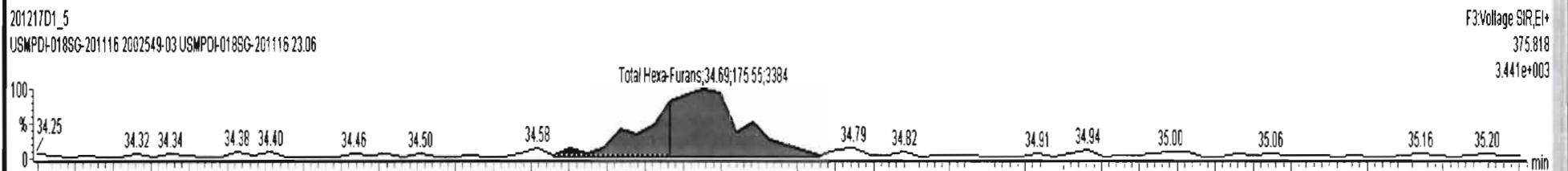
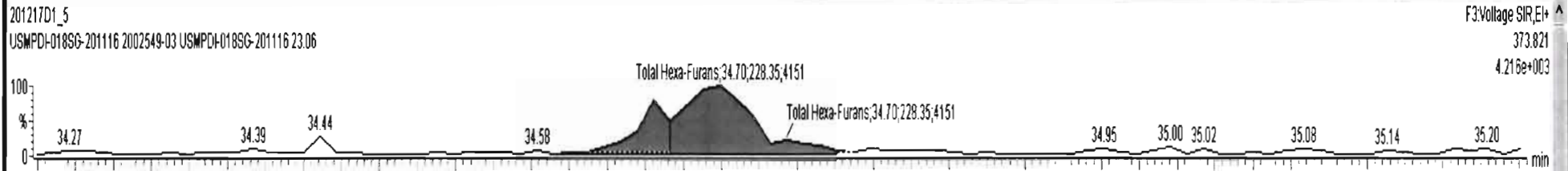


201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116





201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116

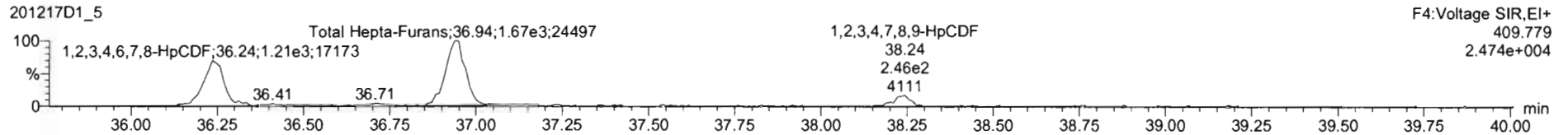
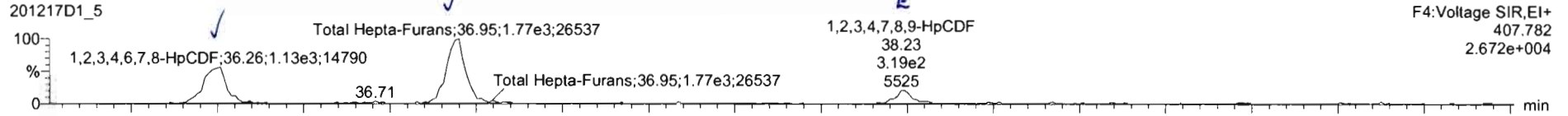


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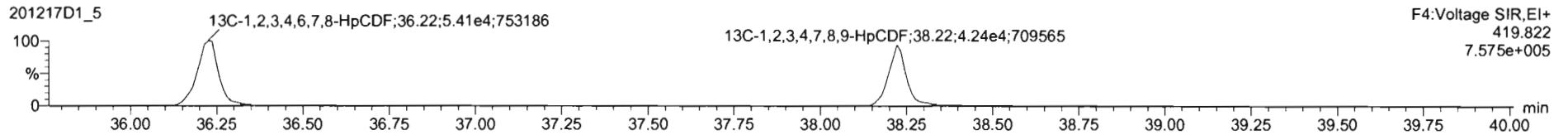
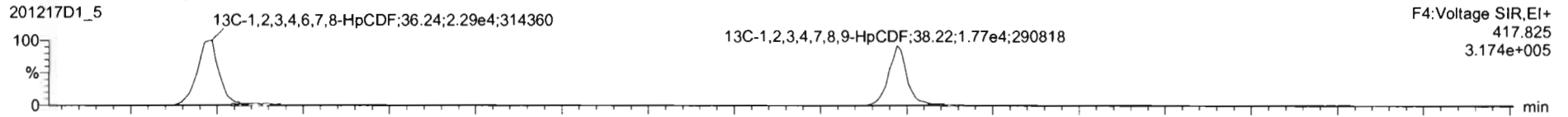
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Printed: Friday, December 18, 2020 09:39:22 Pacific Standard Time

Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

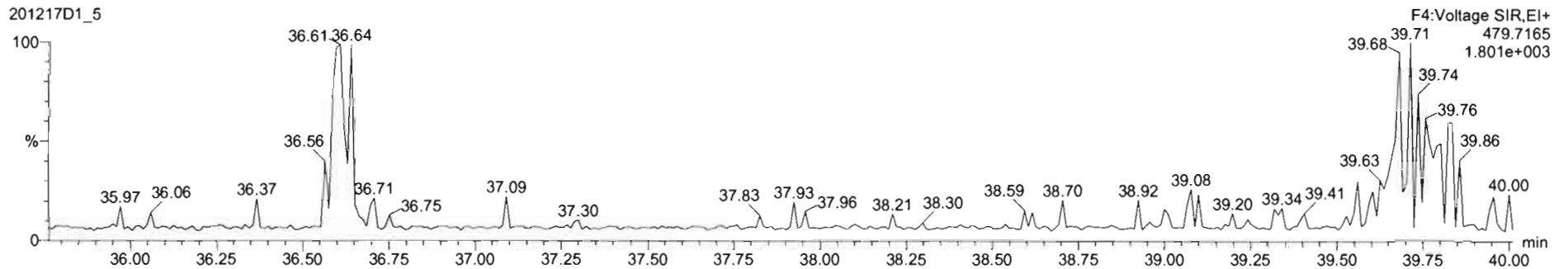
**1,2,3,4,6,7,8-HpCDF**

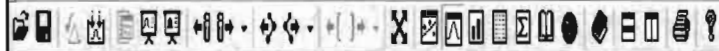


**13C-1,2,3,4,6,7,8-HpCDF**

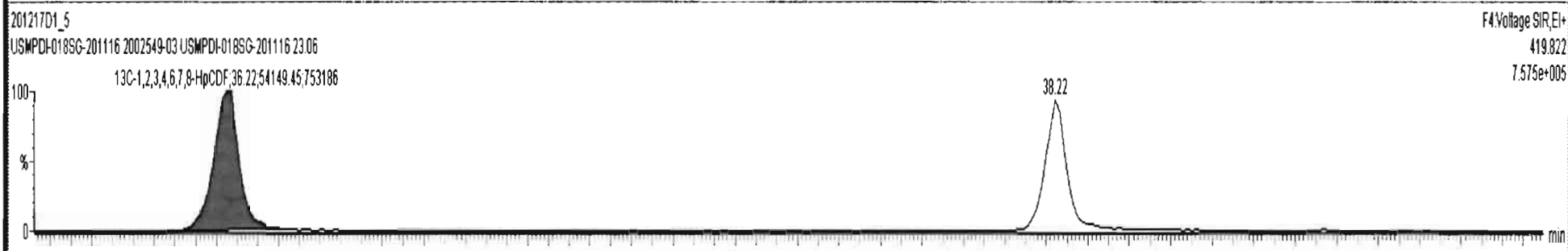
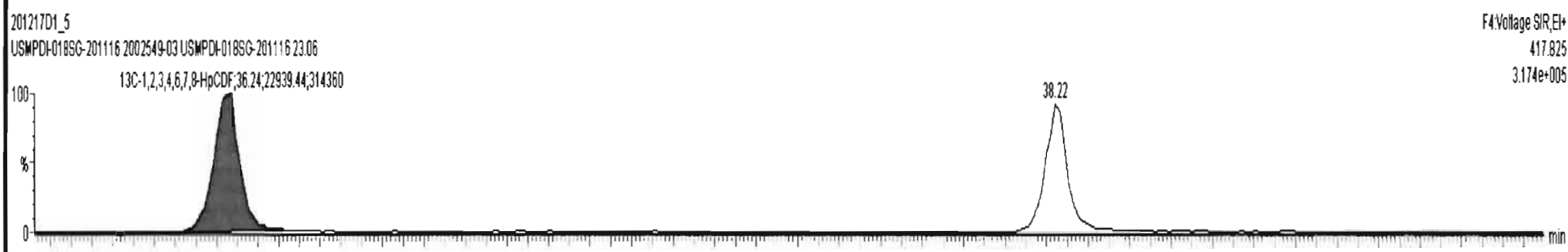
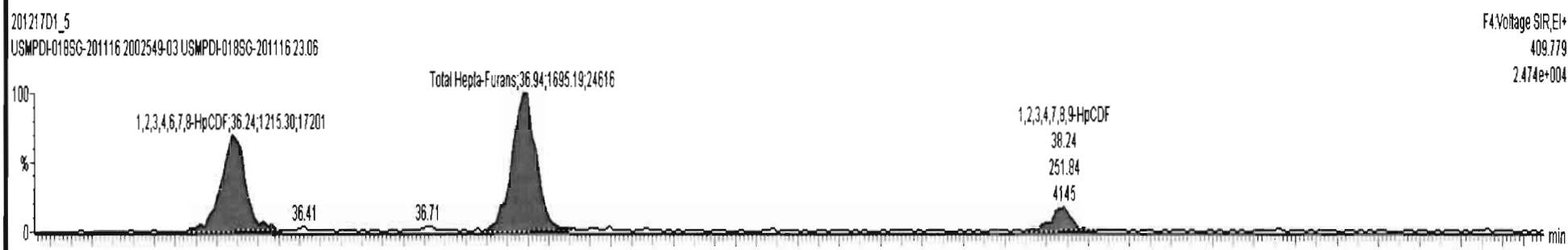
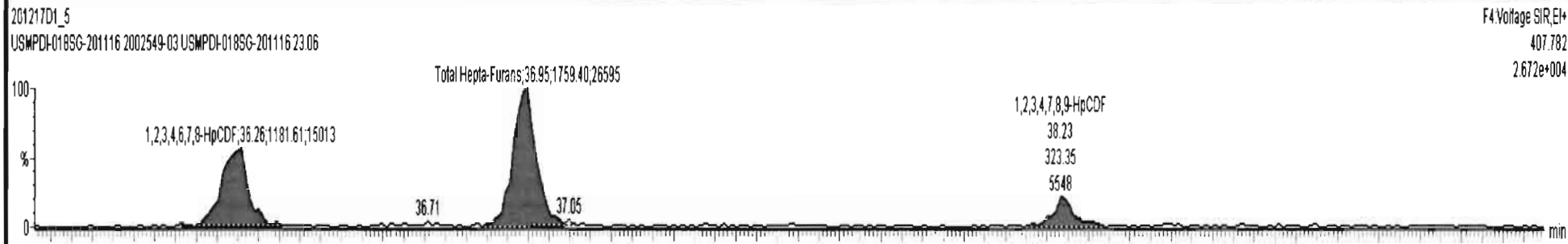


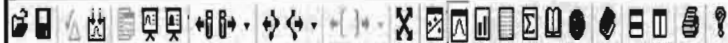
**DPE4**



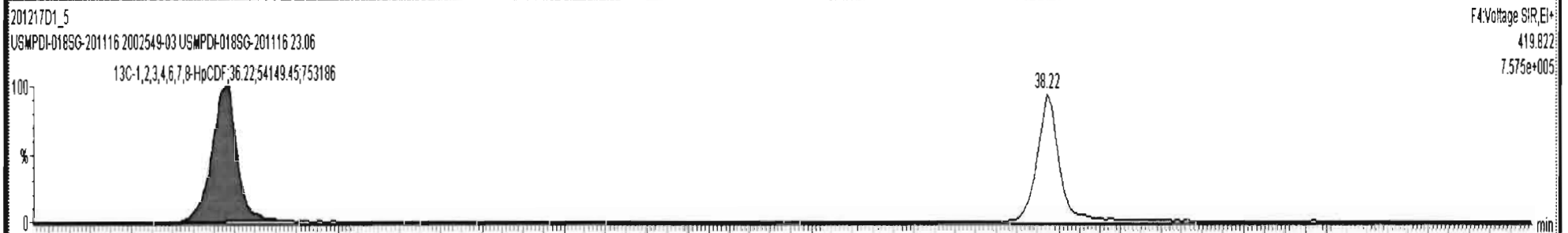
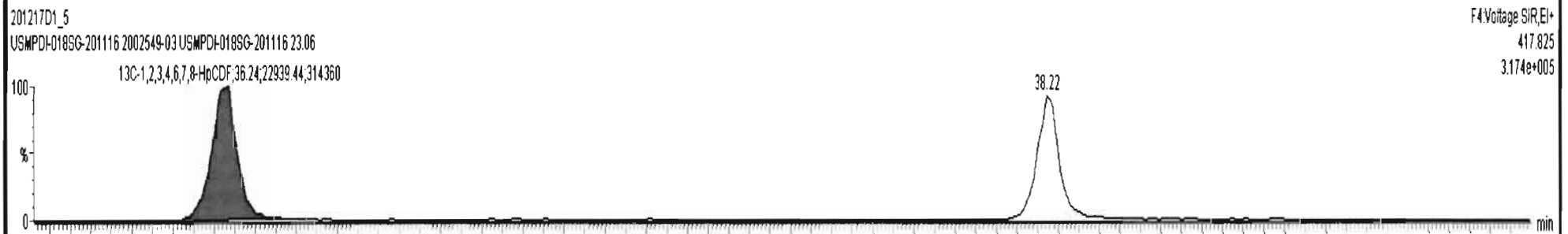
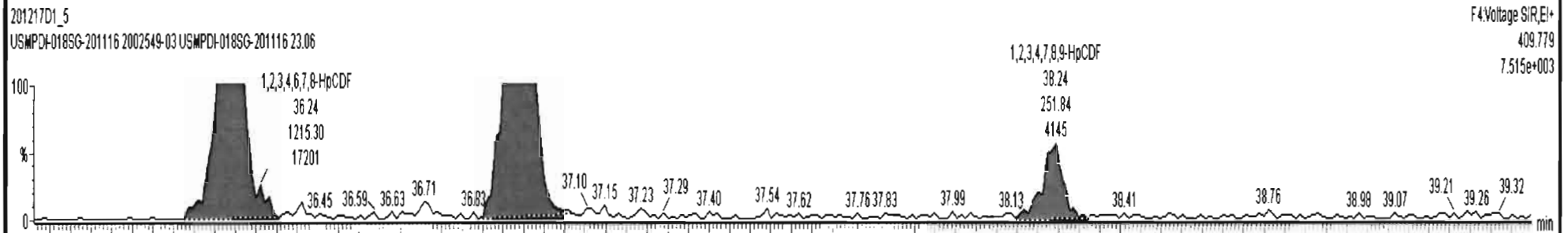
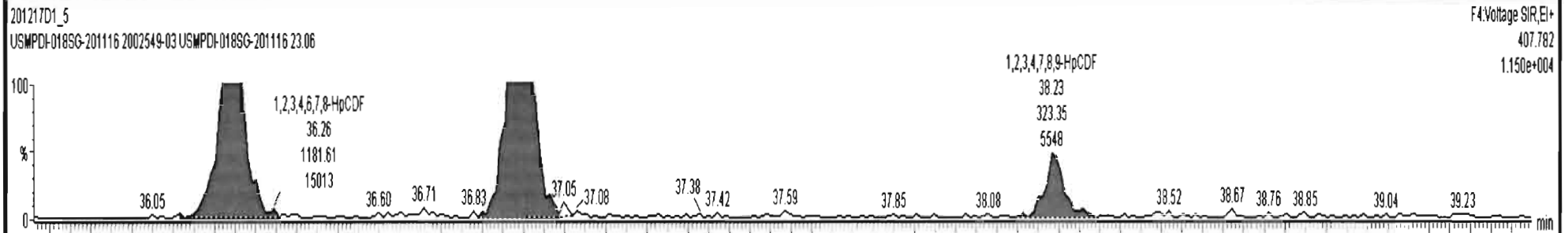


201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116





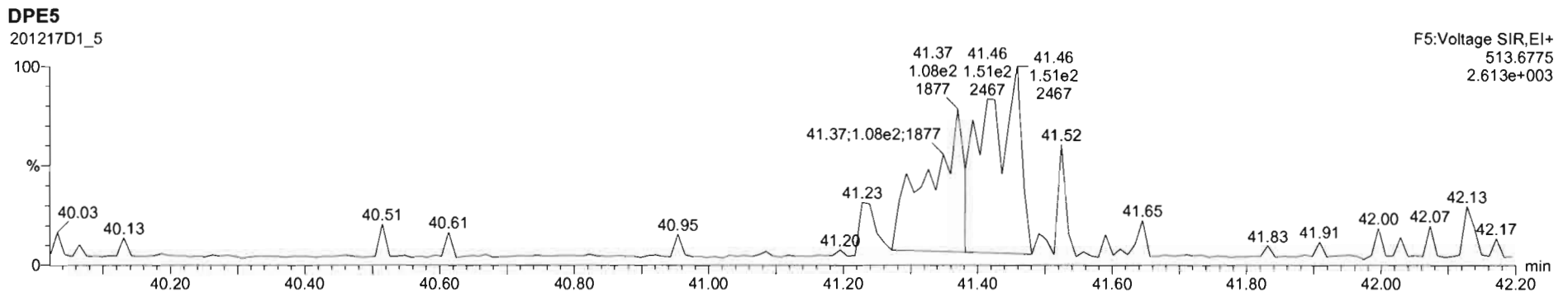
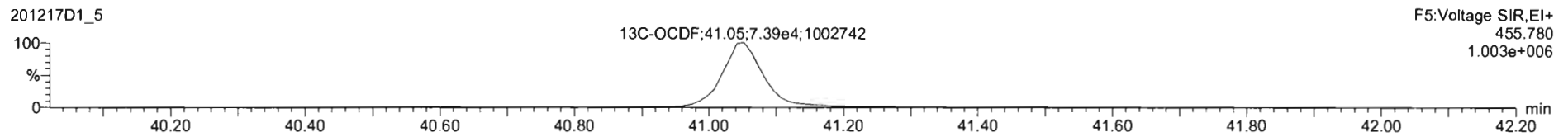
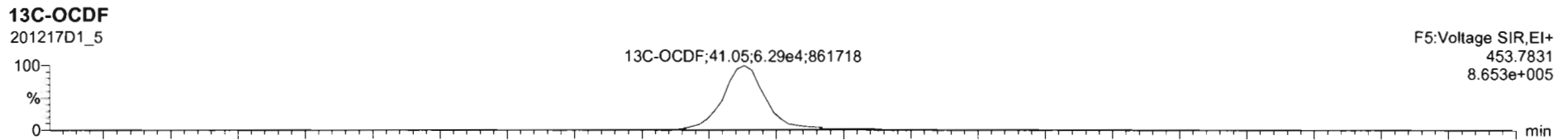
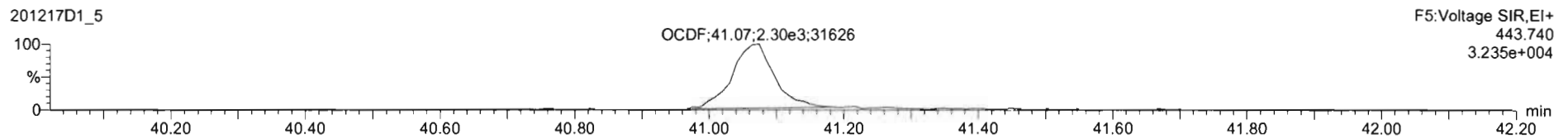
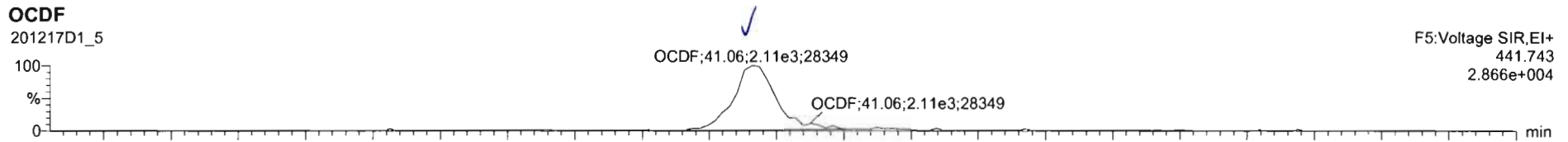
201217D1\_5 - 2002549-03 USMPDI-018SG-201116 23.06 - USMPDI-018SG-201116

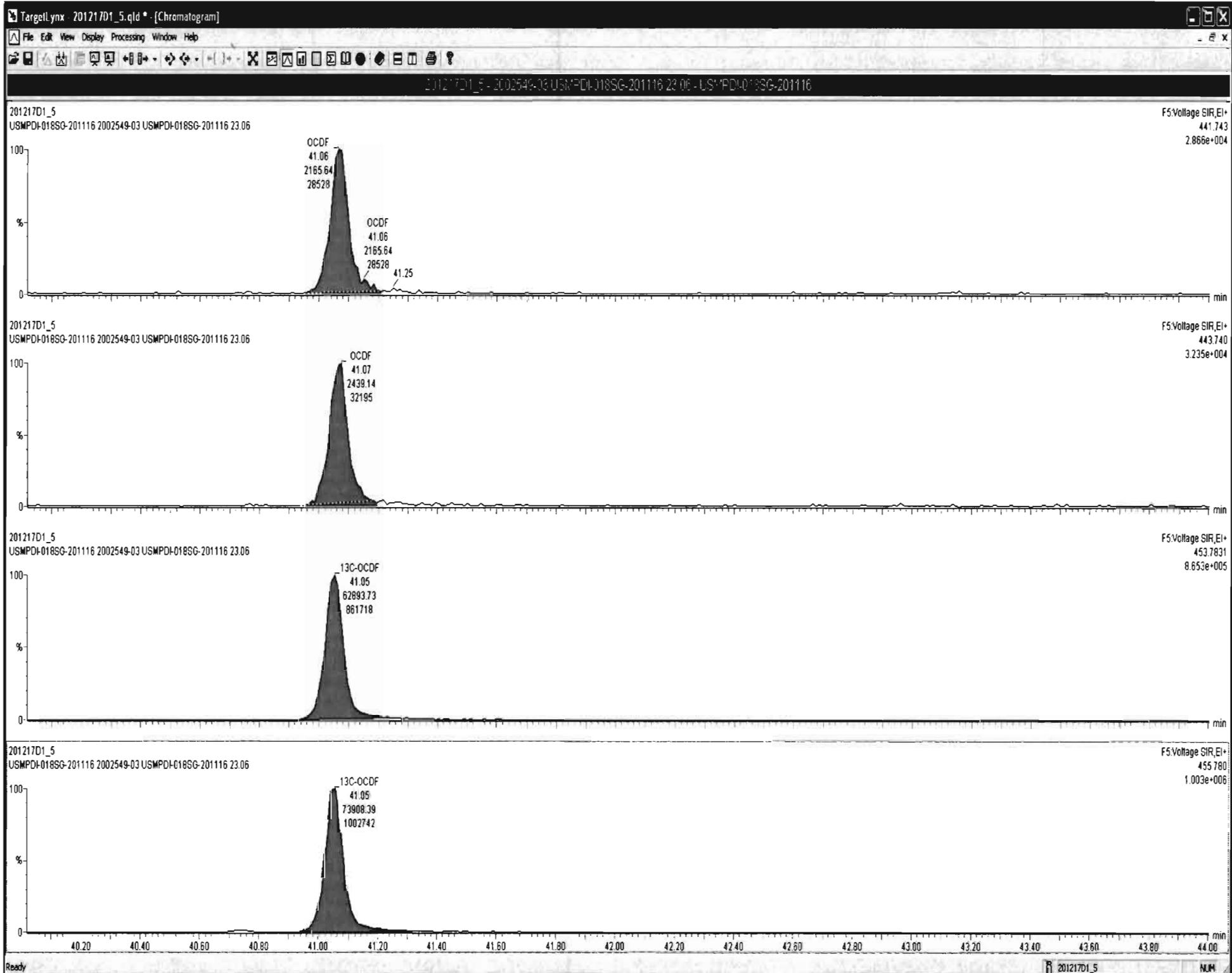


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Last Altered: Friday, December 18, 2020 09:38:58 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:39:22 Pacific Standard Time

Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116

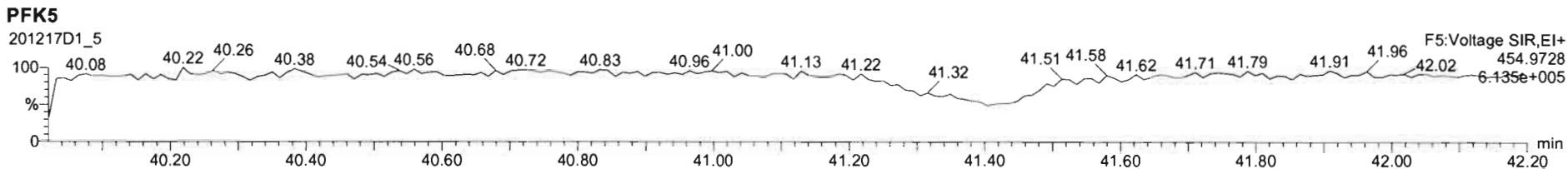
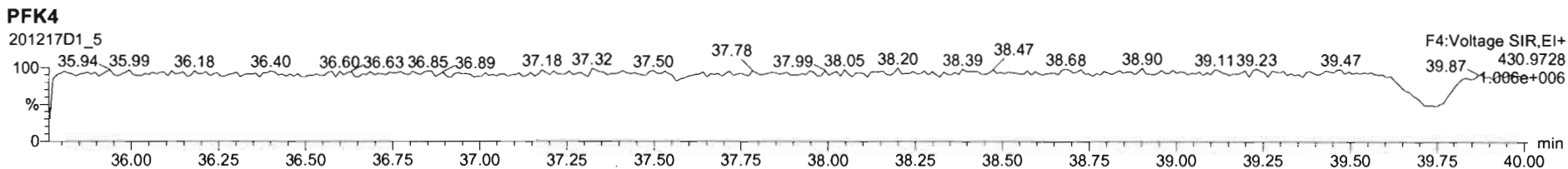
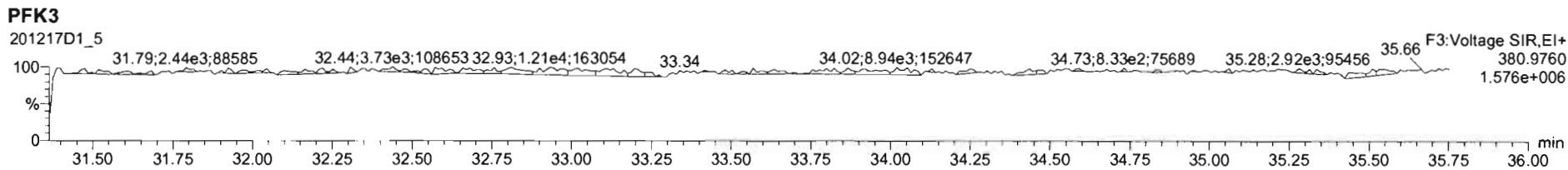
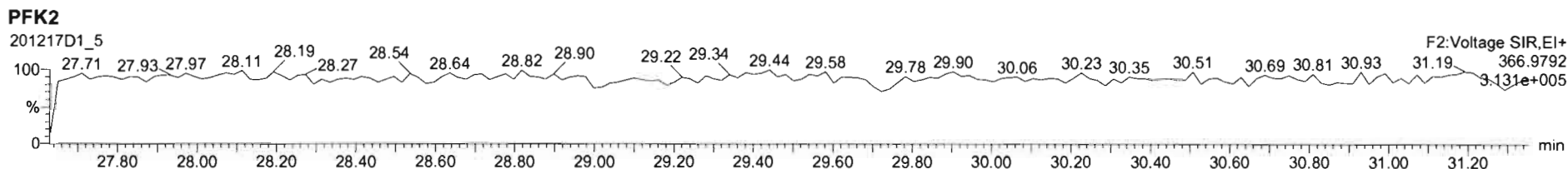
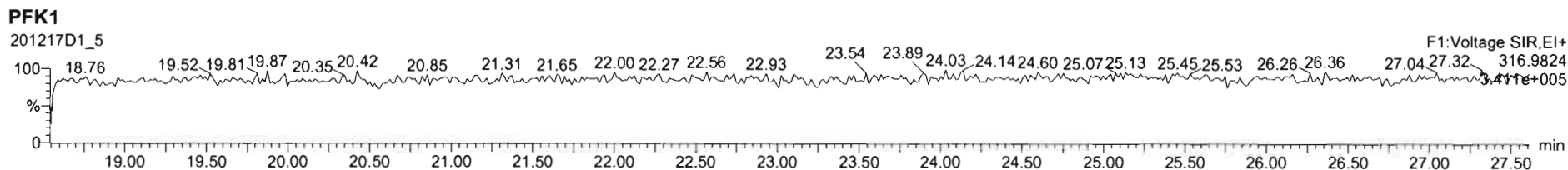




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Name: 201217D1\_5, Date: 17-Dec-2020, Time: 13:29:15, ID: 2002549-03 USMPDI-018SG-201116 23.06, Description: USMPDI-018SG-201116





Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Tuesday, December 22, 2020 10:28:16 Pacific Standard Time  
Printed: Tuesday, December 22, 2020 10:29:17 Pacific Standard Time

*DB 12/22/20*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

*Min 10/20/20*

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

#	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			NO	1.00	10.045	26.066		1.001				0.179	
2	2 1,2,3,7,8-PeCDD	2.88e2	0.76	YES	0.935	10.045	30.529	30.51	1.001	1.000	0.68182		0.213	0.631
3	3 1,2,3,4,7,8-HxCDD	3.10e2	1.41	NO	1.15	10.045	33.755	33.77	1.000	1.001	0.75648		0.549	0.756
4	4 1,2,3,6,7,8-HxCDD	1.56e3	1.07	NO	1.02	10.045	33.866	33.88	1.000	1.000	3.6915		0.564	3.69
5	5 1,2,3,7,8,9-HxCDD	6.98e2	1.21	NO	1.06	10.045	34.174	34.15	1.001	1.000	1.6474		0.567	1.65
6	6 1,2,3,4,6,7,8-HpCDD	3.26e4	1.01	NO	1.00	10.045	37.564	37.58	1.000	1.001	96.607		1.45	96.6
7	7 OCDD	2.71e5	0.89	NO	0.952	10.045	40.724	40.74	1.000	1.001	1033.0		1.07	1030
8	8 2,3,7,8-TCDF	5.74e3	0.80	NO	1.01	10.045	25.403	25.41	1.001	1.001	6.7979		0.242	6.80
9	9 1,2,3,7,8-PeCDF	6.01e3	1.50	NO	0.998	10.045	29.321	29.32	1.001	1.001	9.0331		0.185	9.03
10	10 2,3,4,7,8-PeCDF	3.66e3	1.53	NO	1.07	10.045	30.357	30.33	1.001	1.000	4.9570		0.179	4.96
11	11 1,2,3,4,7,8-HxCDF	7.67e3	1.29	NO	1.05	10.045	32.845	32.86	1.000	1.000	13.729		0.273	13.7
12	12 1,2,3,6,7,8-HxCDF	2.47e3	1.19	NO	1.10	10.045	32.987	32.99	1.000	1.000	4.3477		0.275	4.35
13	13 2,3,4,6,7,8-HxCDF	1.10e3	1.19	NO	1.09	10.045	33.669	33.66	1.001	1.001	2.0610		0.319	2.06
14	14 1,2,3,7,8,9-HxCDF	3.64e2	1.14	NO	1.08	10.045	34.645	34.68	1.000	1.001	0.76429		0.383	0.764
15	15 1,2,3,4,6,7,8-HpCDF	7.57e3	1.02	NO	1.13	10.045	36.261	36.24	1.001	1.000	17.261		0.523	17.3
16	16 1,2,3,4,7,8,9-HpCDF	1.25e3	1.17	NO	1.29	10.045	38.222	38.22	1.000	1.000	3.2191		0.472	3.22
17	17 OCDF	1.49e4	0.85	NO	0.953	10.045	41.053	41.06	1.000	1.000	46.030		0.492	46.0
18	18 13C-2,3,7,8-TCDD	1.18e5	0.77	NO	1.17	10.045	25.974	26.03	1.026	1.028	186.17	93.5	0.987	
19	19 13C-1,2,3,7,8-PeCDD	9.01e4	0.61	NO	0.914	10.045	30.529	30.51	1.206	1.205	182.89	91.9	0.533	
20	20 13C-1,2,3,4,7,8-HxCDD	7.09e4	1.30	NO	0.634	10.045	33.750	33.74	1.014	1.014	212.46	107	0.940	
21	21 13C-1,2,3,6,7,8-HxCDD	8.19e4	1.23	NO	0.724	10.045	33.860	33.87	1.017	1.017	214.84	108	0.822	
22	22 13C-1,2,3,7,8,9-HxCDD	7.95e4	1.21	NO	0.716	10.045	34.129	34.14	1.025	1.026	211.03	106	0.832	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.70e4	1.05	NO	0.660	10.045	37.578	37.55	1.129	1.128	192.74	96.8	1.22	
24	24 13C-OCDD	1.10e5	0.90	NO	0.587	10.045	40.587	40.72	1.219	1.224	355.52	89.3	0.931	
25	25 13C-2,3,7,8-TCDF	1.66e5	0.74	NO	1.02	10.045	25.374	25.38	1.002	1.002	196.92	98.9	0.749	
26	26 13C-1,2,3,7,8-PeCDF	1.33e5	1.59	NO	0.842	10.045	29.258	29.30	1.156	1.157	191.34	96.1	0.932	
27	27 13C-2,3,4,7,8-PeCDF	1.37e5	1.62	NO	0.802	10.045	30.151	30.33	1.191	1.198	207.00	104	0.978	
28	28 13C-1,2,3,4,7,8-HxCDF	1.06e5	0.51	NO	1.00	10.045	32.885	32.85	0.988	0.987	200.21	101	0.947	
29	29 13C-1,2,3,6,7,8-HxCDF	1.03e5	0.51	NO	1.02	10.045	33.018	32.98	0.992	0.991	192.06	96.5	0.932	
30	30 13C-2,3,4,6,7,8-HxCDF	9.73e4	0.51	NO	0.955	10.045	33.587	33.63	1.009	1.011	193.52	97.2	0.994	
31	31 13C-1,2,3,7,8,9-HxCDF	8.75e4	0.49	NO	0.851	10.045	34.662	34.65	1.041	1.041	195.33	98.1	1.12	

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Tuesday, December 22, 2020 10:28:16 Pacific Standard Time

Printed: Tuesday, December 22, 2020 10:29:17 Pacific Standard Time

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	7.72e4	0.42	NO	0.848	10.045	36.180	36.22	1.087	1.088	172.79	86.8	1.16	
33	33 13C-1,2,3,4,7,8,9-HpCDF	5.99e4	0.44	NO	0.624	10.045	38.177	38.22	1.147	1.148	182.24	91.5	1.58	
34	34 13C-OCDF	1.35e5	0.89	NO	0.730	10.045	40.740	41.05	1.224	1.233	351.29	88.2	1.14	
35	35 37Cl-2,3,7,8-TCDD	4.70e4			1.21	10.045	25.972	26.05	1.026	1.029	72.307	90.8	0.164	
36	36 13C-1,2,3,4-TCDD	1.07e5	0.78	NO	1.00	10.045	25.300	25.32	1.000	1.000	199.10	100	1.16	
37	37 13C-1,2,3,4-TCDF	1.64e5	0.77	NO	1.00	10.045	23.880	23.90	1.000	1.000	199.10	100	0.766	
38	38 13C-1,2,3,4,6,9-HxCDF	1.05e5	0.50	NO	1.00	10.045	33.310	33.28	1.000	1.000	199.10	100	0.949	
39	39 Total Tetra-Dioxins				1.00	10.045	24.620		0.000		2.6841		0.179	2.68
40	40 Total Penta-Dioxins				0.935	10.045	29.960		0.000		3.1826		0.213	4.65
41	41 Total Hexa-Dioxins				1.02	10.045	33.635		0.000		21.396		0.588	31.8
42	42 Total Hepta-Dioxins				1.00	10.045	37.640		0.000		251.00		1.45	251
43	43 Total Tetra-Furans				1.01	10.045	23.610		0.000		24.826		0.242	26.9
44	44 1st Func. Penta-Furans				0.998	10.045	26.750		0.000		4.9111		0.0727	4.91
45	45 Total Penta-Furans				0.998	10.045	29.275		0.000		24.158		0.189	25.8
46	46 Total Hexa-Furans				1.09	10.045	33.555		0.000		47.025		0.308	47.0
47	47 Total Hepta-Furans				1.13	10.045	37.835		0.000		57.176		0.529	57.2

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Tuesday, December 22, 2020 10:28:16 Pacific Standard Time

Printed: Tuesday, December 22, 2020 10:29:17 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.46	3.765e3	6.460e3	3.438e2	4.800e2	0.72	NO	8.238e2	1.3911	1.3911	0.179
2	Total Tetra-Dioxins	25.79	5.004e3	6.719e3	3.314e2	4.342e2	0.76	NO	7.656e2	1.2930	1.2930	0.179

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.35	4.253e3	5.774e3	2.578e2	4.342e2	0.59	NO	6.920e2	1.6359	1.6359	0.213
2	Total Penta-Dioxins	28.82	1.904e3	2.754e3	8.101e1	1.478e2	0.55	NO	0.000e0	0.00000	0.54090	0.213
3	Total Penta-Dioxins	29.46	1.973e3	2.921e3	1.572e2	2.265e2	0.69	NO	3.837e2	0.90709	0.90709	0.213
4	Total Penta-Dioxins	29.78	1.389e3	2.205e3	1.088e2	1.618e2	0.67	NO	2.706e2	0.63964	0.63964	0.213
5	1,2,3,7,8-PeCDD	30.51	2.517e3	3.876e3	1.246e2	1.639e2	0.76	YES	2.884e2	0.00000	0.63142	0.213
6	Total Penta-Dioxins	30.59	1.164e3	1.271e3	8.075e1	7.547e1	1.07	YES	0.000e0	0.00000	0.29080	0.213

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.12	5.693e4	4.286e4	2.887e3	2.276e3	1.27	NO	5.162e3	12.965	12.965	0.588
2	Total Hexa-Dioxins	32.72	6.542e3	5.117e3	3.260e2	2.700e2	1.21	NO	5.960e2	1.4967	1.4967	0.588
3	Total Hexa-Dioxins	33.00	4.612e4	2.969e4	2.702e3	1.846e3	1.46	YES	0.000e0	0.00000	10.385	0.588
4	Total Hexa-Dioxins	33.10	4.164e3	3.907e3	1.849e2	1.490e2	1.24	NO	3.340e2	0.83877	0.83877	0.588
5	1,2,3,4,7,8-HxCDD	33.77	3.496e3	2.559e3	1.813e2	1.289e2	1.41	NO	3.102e2	0.75648	0.75648	0.549
6	1,2,3,6,7,8-HxCDD	33.88	1.196e4	1.175e4	8.048e2	7.504e2	1.07	NO	1.555e3	3.6915	3.6915	0.564
7	1,2,3,7,8,9-HxCDD	34.15	6.855e3	4.727e3	3.818e2	3.163e2	1.21	NO	6.981e2	1.6474	1.6474	0.567

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.61	3.767e5	3.658e5	2.658e4	2.546e4	1.04	NO	5.204e4	154.39	154.39	1.45
2	1,2,3,4,6,7,8-HpCDD	37.58	2.905e5	2.754e5	1.640e4	1.616e4	1.01	NO	3.257e4	96.607	96.607	1.45

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Tuesday, December 22, 2020 10:28:16 Pacific Standard Time

Printed: Tuesday, December 22, 2020 10:29:17 Pacific Standard Time

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	20.24	2.255e3	2.698e3	1.771e2	1.730e2	1.02	YES	0.000e0	0.00000	0.36294	0.242
2	Total Tetra-Furans	21.63	8.954e3	9.541e3	7.528e2	9.261e2	0.81	NO	1.679e3	1.9901	1.9901	0.242
3	Total Tetra-Furans	22.08	3.074e3	4.471e3	3.938e2	5.418e2	0.73	NO	9.356e2	1.1090	1.1090	0.242
4	Total Tetra-Furans	22.50	8.880e3	1.202e4	8.144e2	1.093e3	0.74	NO	1.908e3	2.2613	2.2613	0.242
5	Total Tetra-Furans	22.95	6.308e3	7.042e3	4.229e2	4.996e2	0.85	NO	9.225e2	1.0934	1.0934	0.242
6	Total Tetra-Furans	23.05	1.594e3	1.671e3	1.229e2	1.451e2	0.85	NO	2.679e2	0.31757	0.31757	0.242
7	Total Tetra-Furans	23.25	3.446e3	4.157e3	2.630e2	2.975e2	0.88	NO	5.605e2	0.66435	0.66435	0.242
8	Total Tetra-Furans	24.00	7.039e3	8.448e3	9.088e2	1.162e3	0.78	NO	2.071e3	2.4544	2.4544	0.242
9	Total Tetra-Furans	24.44	2.780e4	3.760e4	2.036e3	2.801e3	0.73	NO	4.837e3	5.7327	5.7327	0.242
10	Total Tetra-Furans	24.74	2.190e3	2.849e3	1.819e2	2.082e2	0.87	NO	3.901e2	0.46234	0.46234	0.242
11	Total Tetra-Furans	25.13	2.249e3	1.969e3	1.074e2	1.151e2	0.93	YES	0.000e0	0.00000	0.24151	0.242
12	Total Tetra-Furans	25.27	7.189e3	9.924e3	4.858e2	6.043e2	0.80	NO	1.090e3	1.2921	1.2921	0.242
13	2,3,7,8-TCDF	25.41	3.978e4	4.814e4	2.548e3	3.187e3	0.80	NO	5.735e3	6.7979	6.7979	0.242
14	Total Tetra-Furans	25.68	3.743e3	5.641e3	2.405e2	3.088e2	0.78	NO	5.493e2	0.65105	0.65105	0.242
15	Total Tetra-Furans	26.57	5.365e3	2.178e3	2.783e2	1.283e2	2.17	YES	0.000e0	0.00000	0.26924	0.242
16	Total Tetra-Furans	26.85	2.370e3	1.447e3	1.217e2	8.425e1	1.44	YES	0.000e0	0.00000	0.17676	0.242
17	Total Tetra-Furans	27.01	3.999e3	4.977e3	2.586e2	2.682e2	0.96	YES	0.000e0	0.00000	0.56276	0.242
18	Total Tetra-Furans	27.21	3.740e3	4.539e3	2.187e2	2.320e2	0.94	YES	0.000e0	0.00000	0.48676	0.242

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.82	3.547e4	2.081e4	2.030e3	1.286e3	1.58	NO	3.316e3	4.9111	4.9111	0.0727

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Tuesday, December 22, 2020 10:28:16 Pacific Standard Time

Printed: Tuesday, December 22, 2020 10:29:17 Pacific Standard Time

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.21	3.798e3	2.278e3	2.951e2	1.383e2	2.13	YES	0.000e0	0.00000	0.52234	0.189
2	Total Penta-Furans	28.38	4.063e4	2.646e4	2.675e3	1.820e3	1.47	NO	4.496e3	6.6590	6.6590	0.189
3	Total Penta-Furans	28.98	8.766e3	7.274e3	4.676e2	4.284e2	1.09	YES	0.000e0	0.00000	1.1396	0.189
4	Total Penta-Furans	29.12	6.748e3	4.314e3	3.960e2	2.684e2	1.47	NO	6.644e2	0.98414	0.98414	0.189
5	1,2,3,7,8-PeCDF	29.32	7.742e4	4.884e4	3.602e3	2.407e3	1.50	NO	6.008e3	9.0331	9.0331	0.185
6	Total Penta-Furans	29.56	2.097e4	1.203e4	1.039e3	6.658e2	1.56	NO	1.704e3	2.5247	2.5247	0.189
7	2,3,4,7,8-PeCDF	30.33	4.047e4	2.535e4	2.214e3	1.443e3	1.53	NO	3.656e3	4.9570	4.9570	0.179

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.59	1.841e4	1.414e4	8.942e2	6.935e2	1.29	NO	1.588e3	2.9541	2.9541	0.308
2	Total Hexa-Furans	31.76	5.844e4	4.651e4	2.879e3	2.197e3	1.31	NO	5.076e3	9.4450	9.4450	0.308
3	Total Hexa-Furans	32.38	7.233e4	5.844e4	3.735e3	3.112e3	1.20	NO	6.847e3	12.740	12.740	0.308
4	1,2,3,4,7,8-HxCDF	32.86	7.628e4	5.560e4	4.317e3	3.348e3	1.29	NO	7.665e3	13.729	13.729	0.273
5	1,2,3,6,7,8-HxCDF	32.99	2.231e4	2.005e4	1.345e3	1.129e3	1.19	NO	2.474e3	4.3477	4.3477	0.275
6	2,3,4,6,7,8-HxCDF	33.66	9.842e3	7.657e3	5.948e2	5.007e2	1.19	NO	1.095e3	2.0610	2.0610	0.319
7	1,2,3,7,8,9-HxCDF	34.68	7.353e3	5.583e3	1.935e2	1.700e2	1.14	NO	3.635e2	0.76429	0.76429	0.383
8	Total Hexa-Furans	34.69	7.671e3	5.451e3	3.098e2	2.186e2	1.42	NO	5.285e2	0.98330	0.98330	0.308

**Hepta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.24	4.929e4	5.368e4	3.816e3	3.750e3	1.02	NO	7.566e3	17.261	17.261	0.523
2	Total Hepta-Furans	36.94	1.134e5	1.080e5	7.184e3	7.100e3	1.01	NO	1.428e4	36.696	36.696	0.529
3	1,2,3,4,7,8,9-HpCDF	38.22	1.033e4	8.725e3	6.713e2	5.742e2	1.17	NO	1.245e3	3.2191	3.2191	0.472

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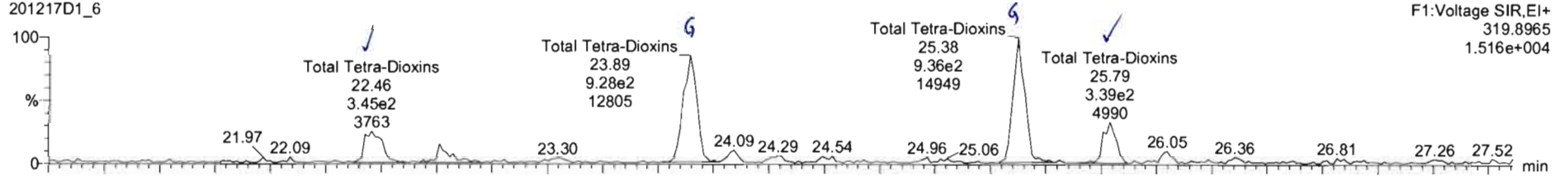
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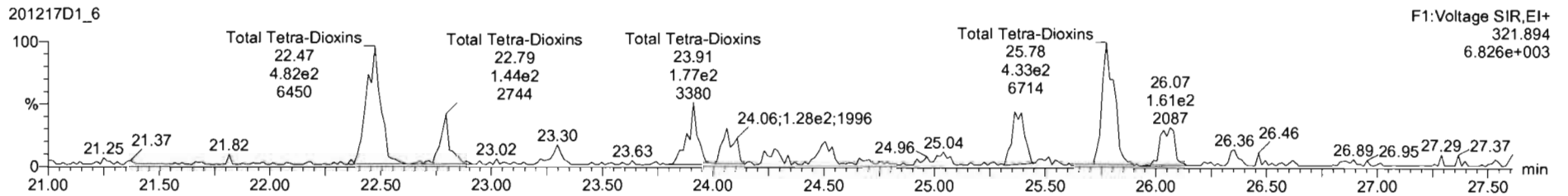
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2,3,7,8-TCDD

201217D1\_6

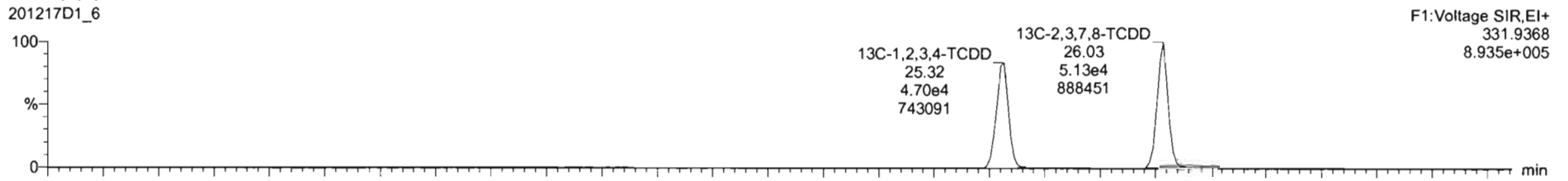


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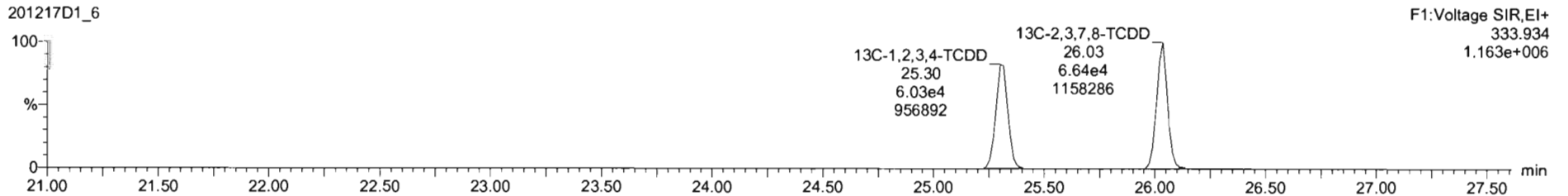


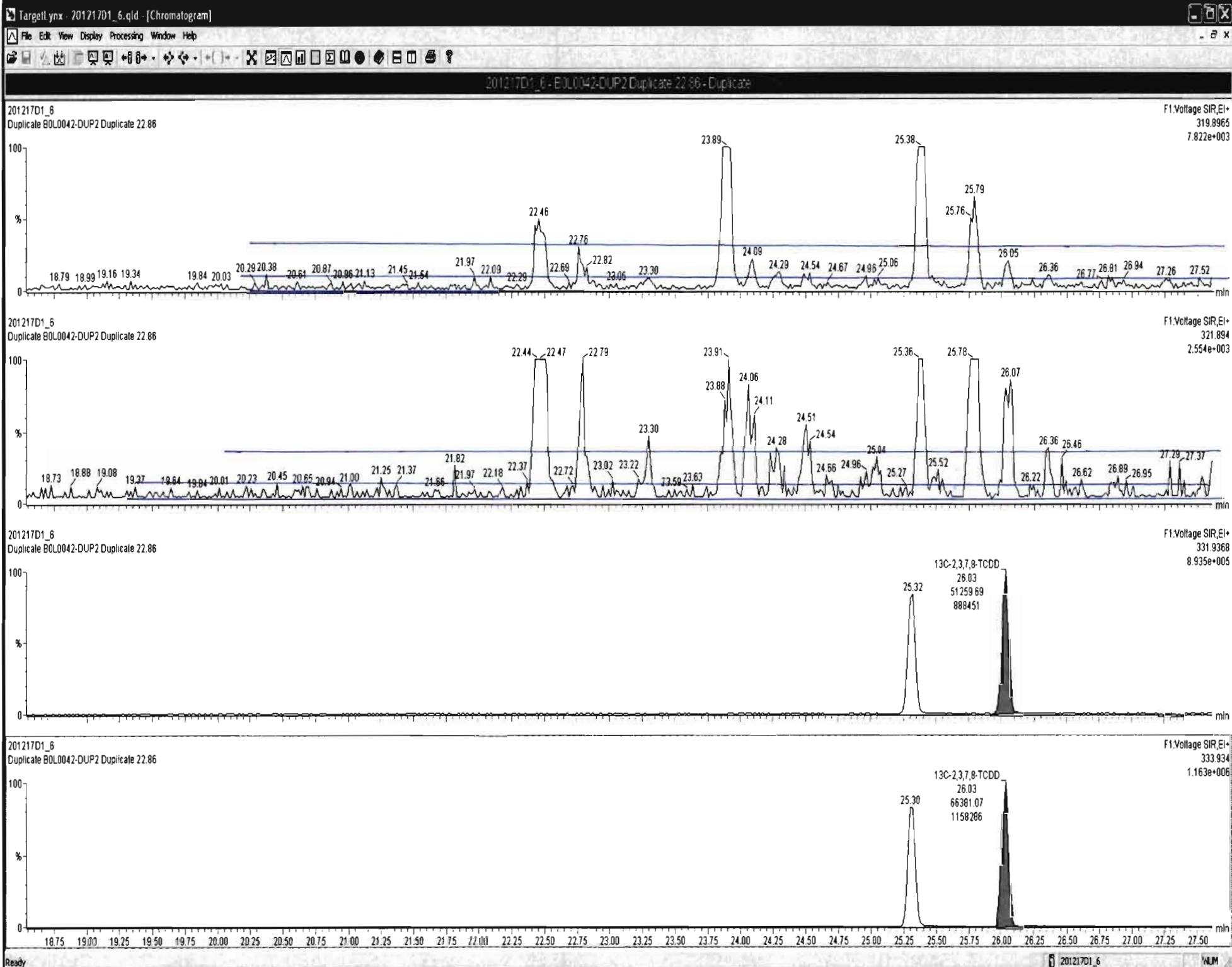
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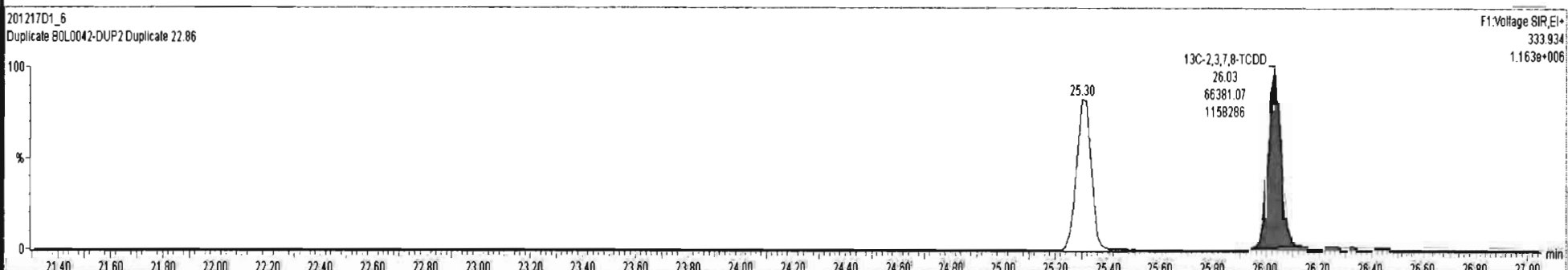
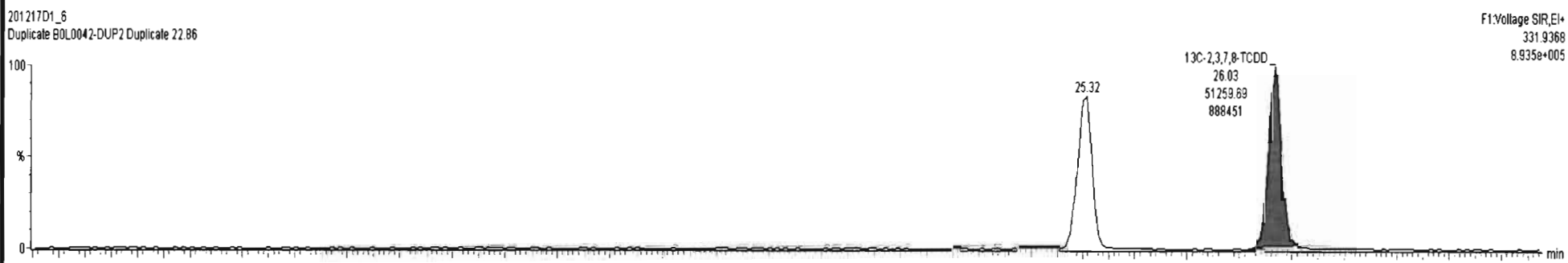
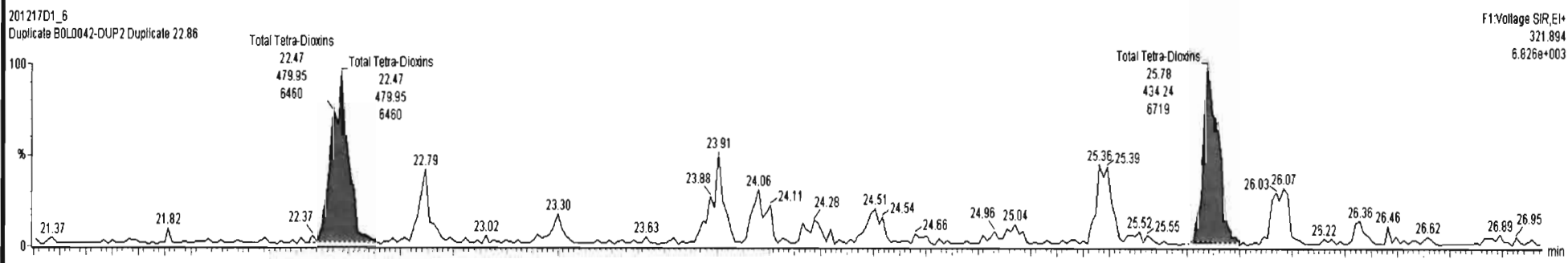
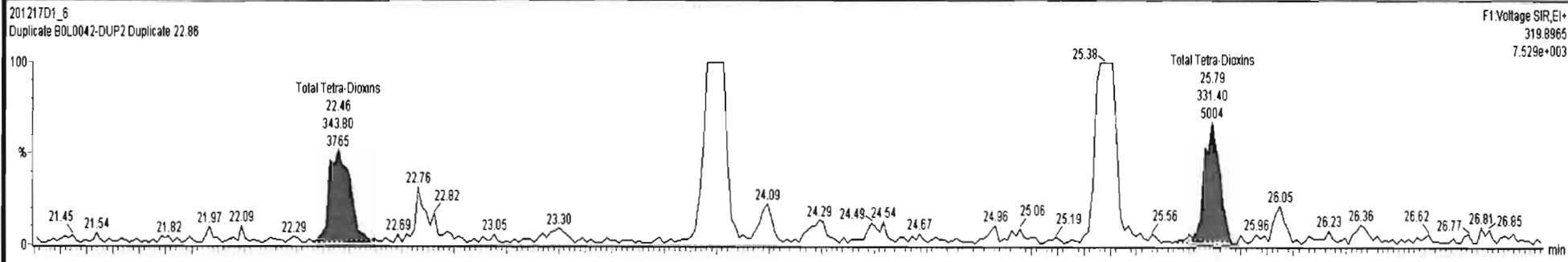
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201217D1\_6









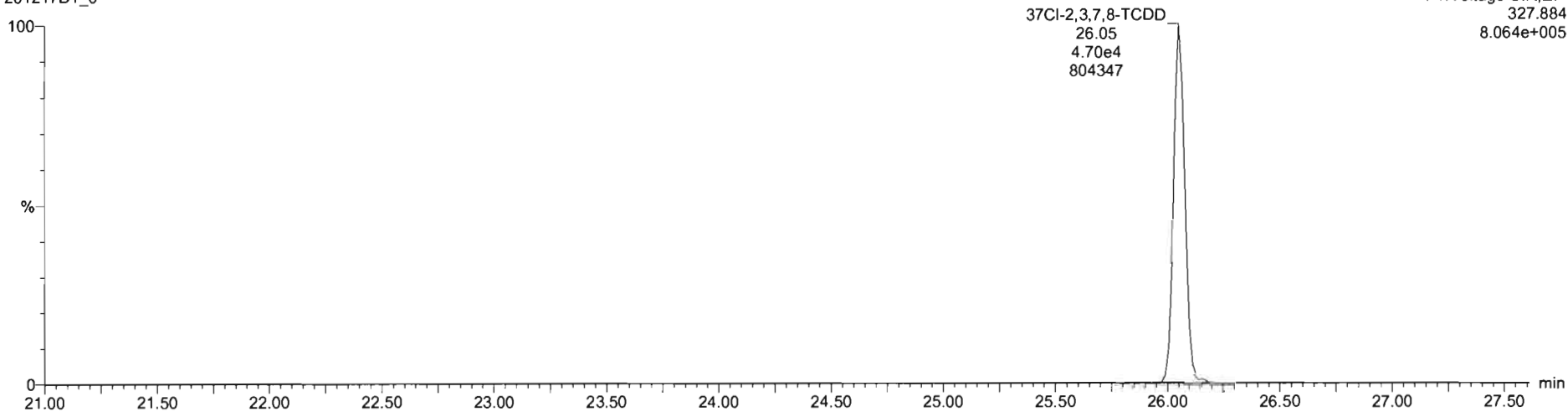
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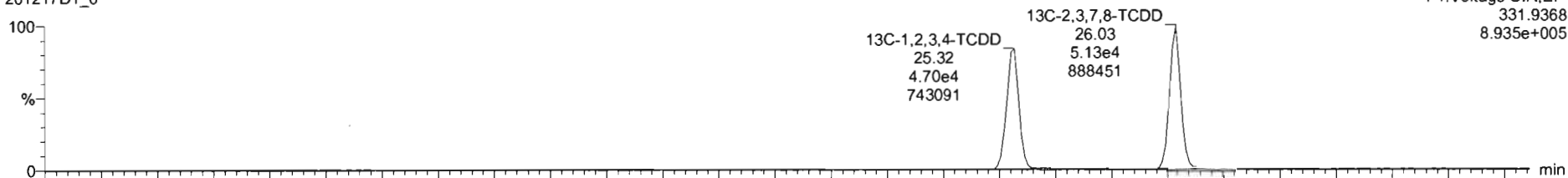
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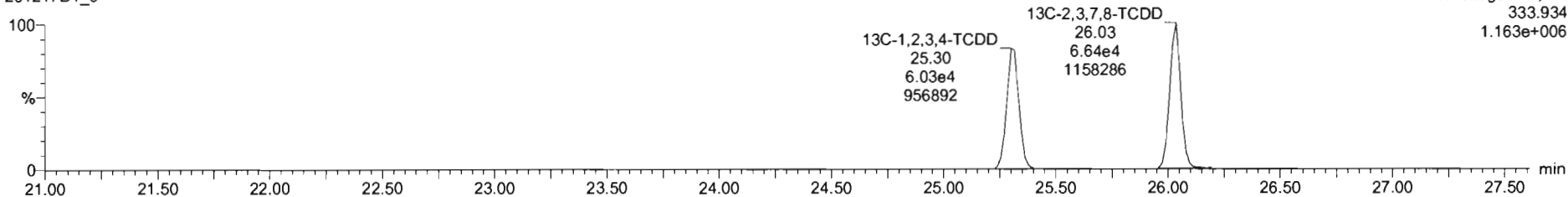


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201217D1\_6



201217D1\_6



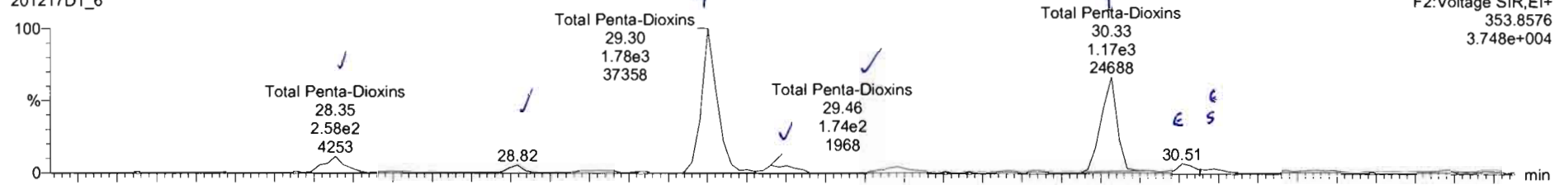
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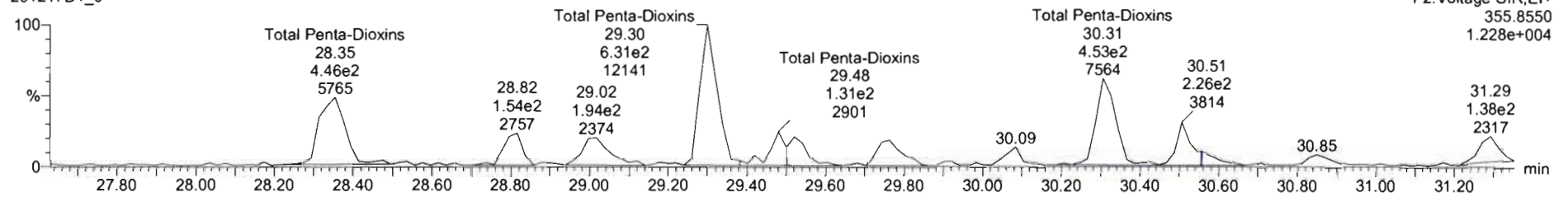
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1,2,3,7,8-PeCDD

201217D1\_6

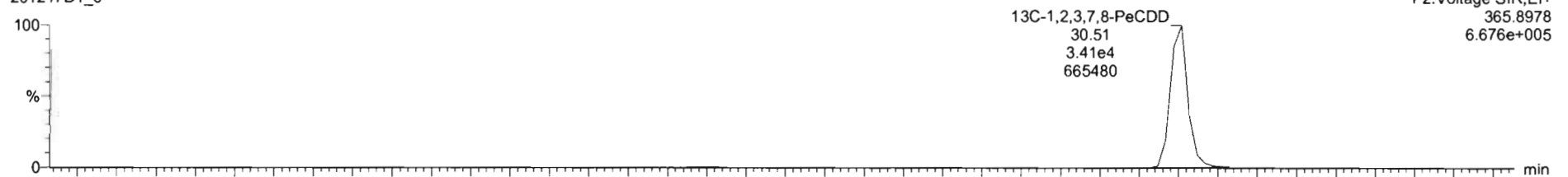


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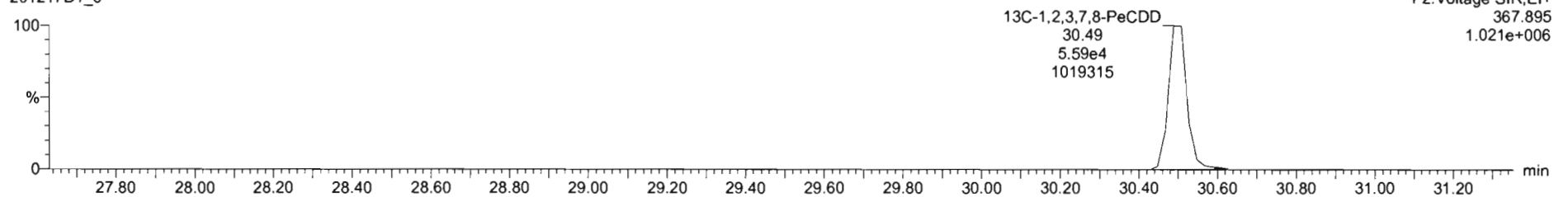


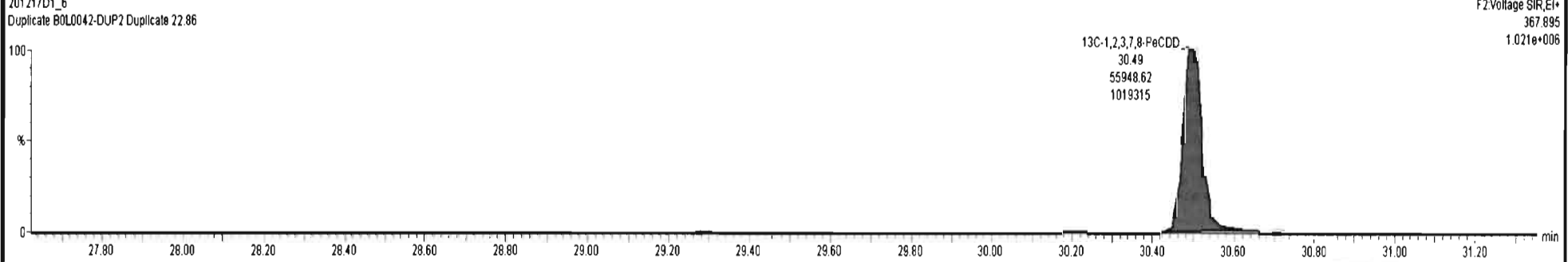
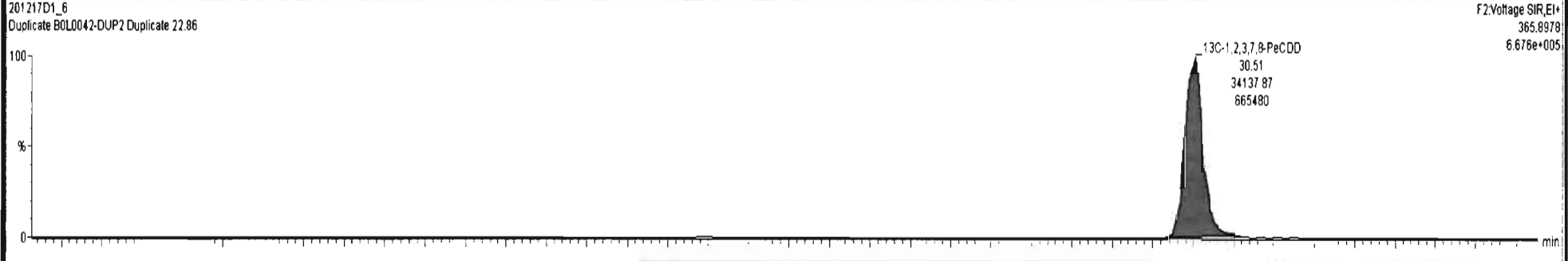
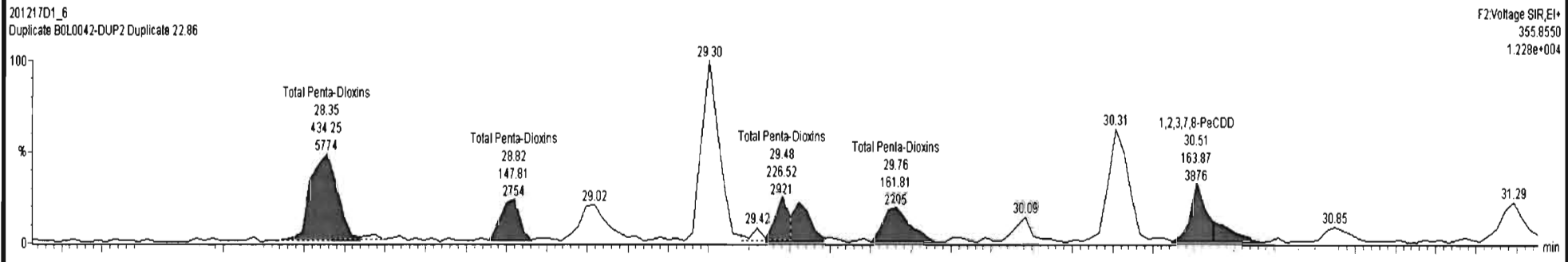
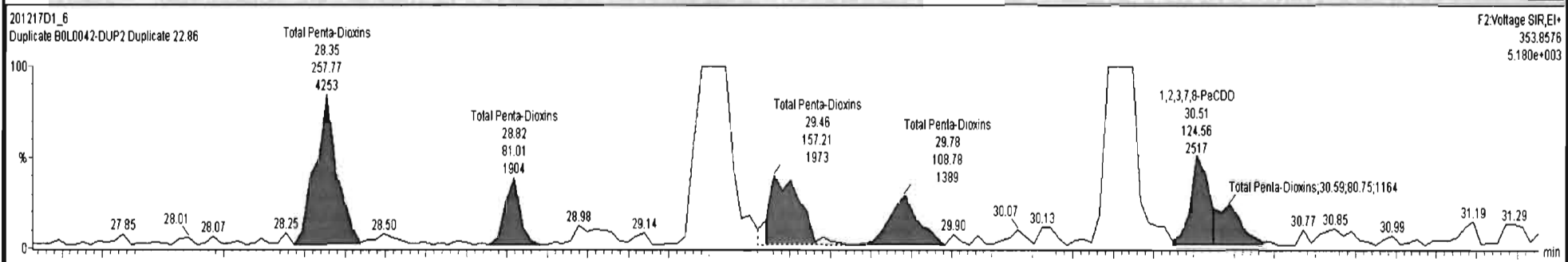
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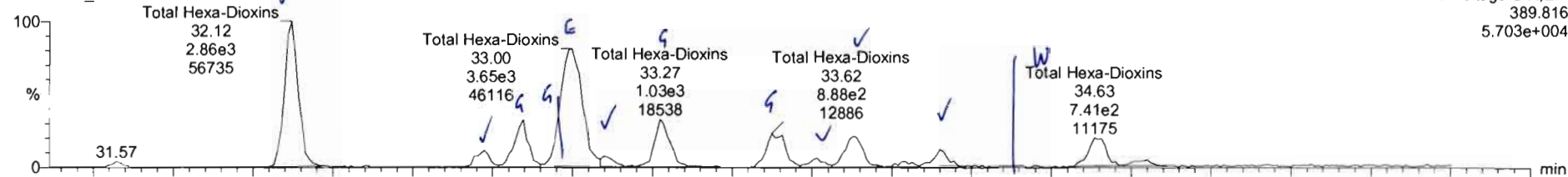
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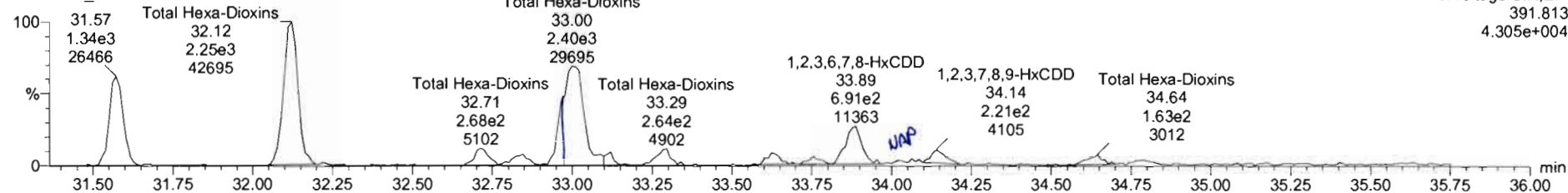
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1,2,3,4,7,8-HxCDD

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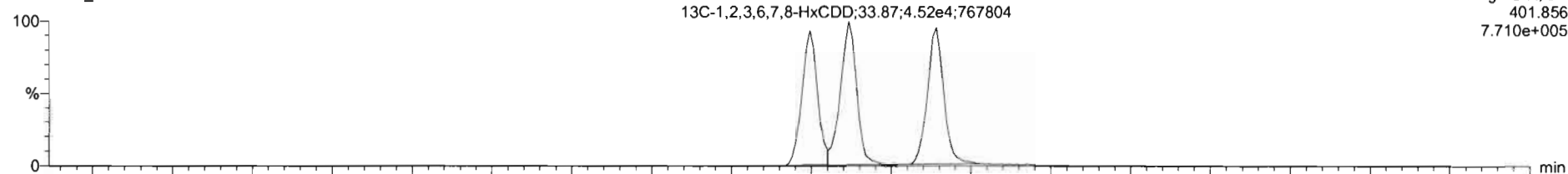


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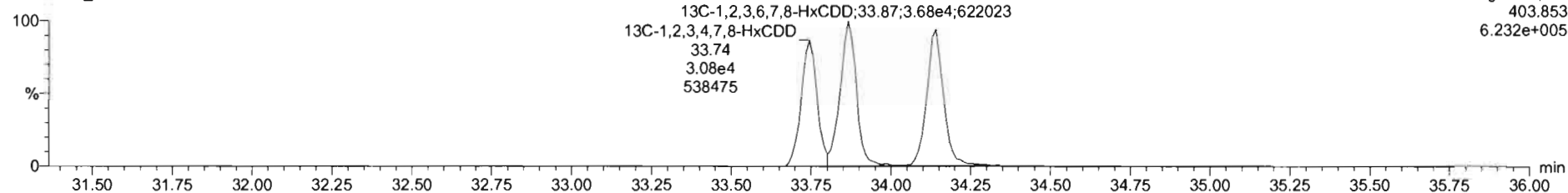


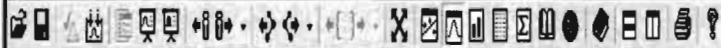
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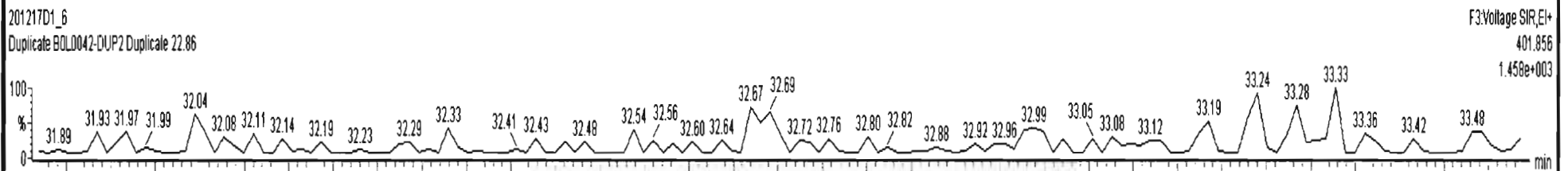
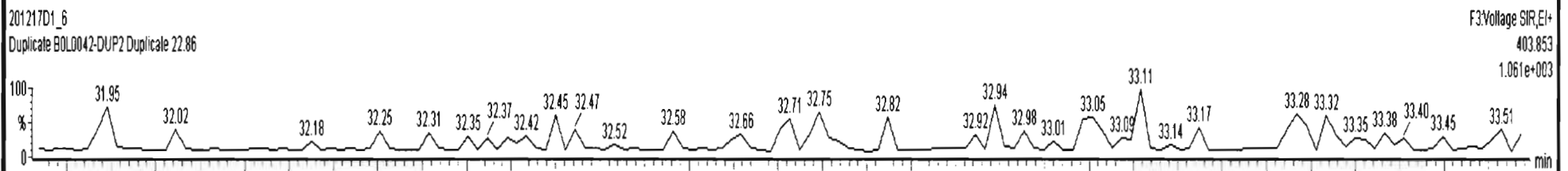
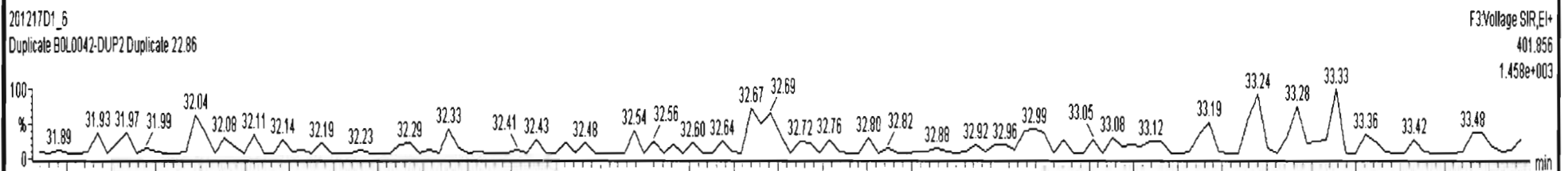
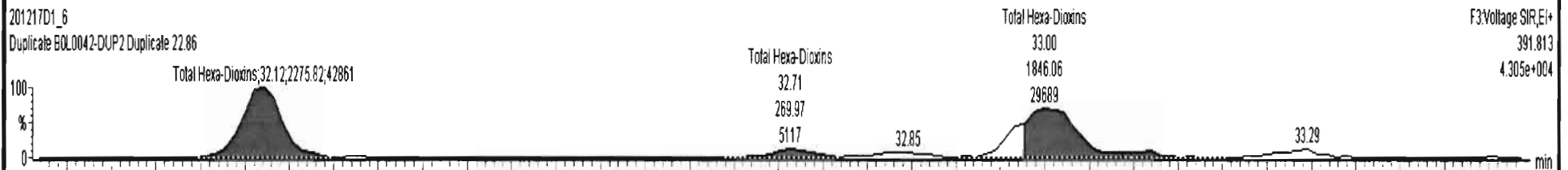
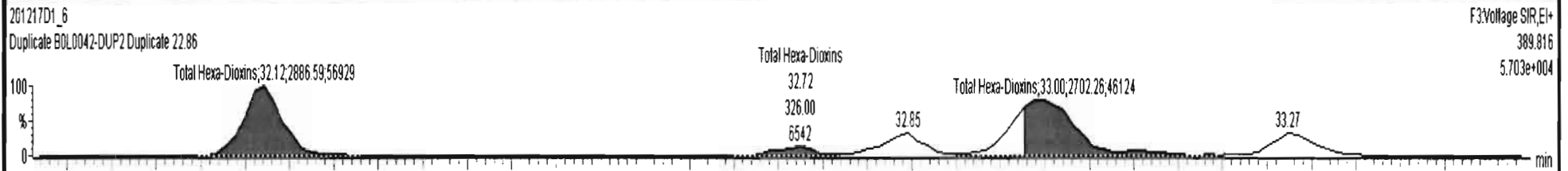


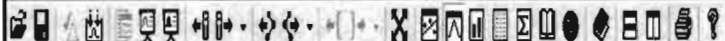
201217D1\_6



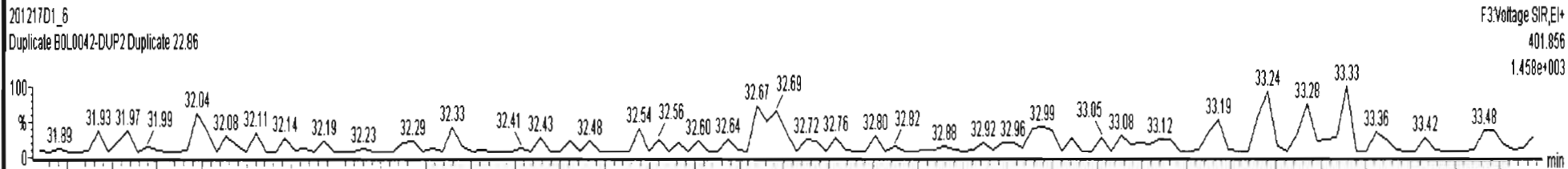
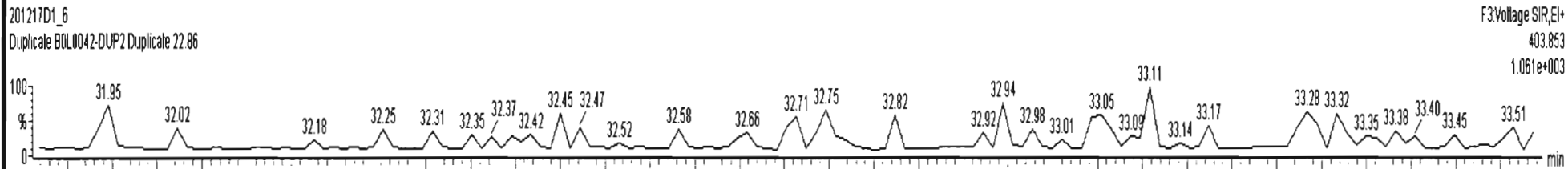
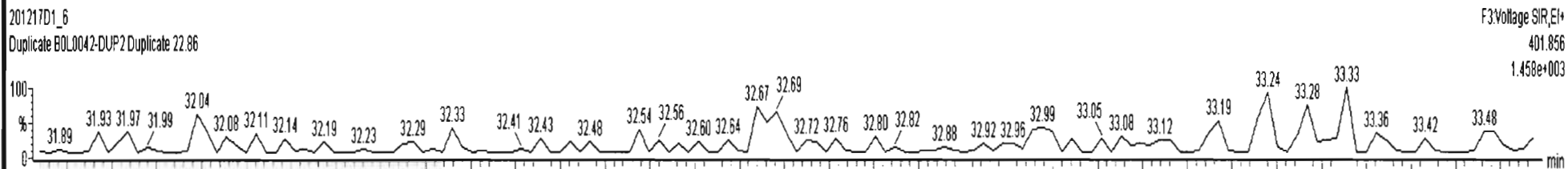
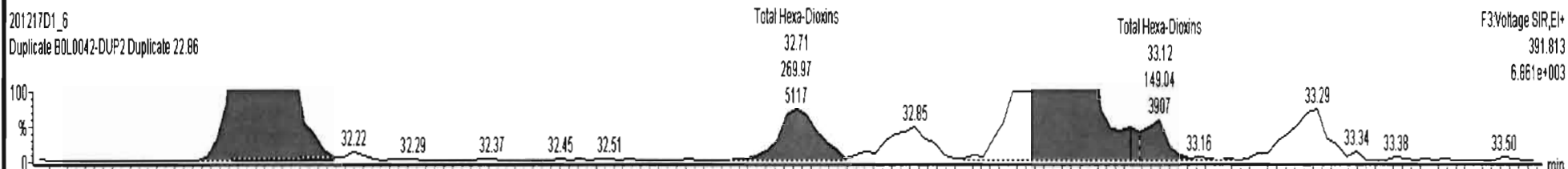
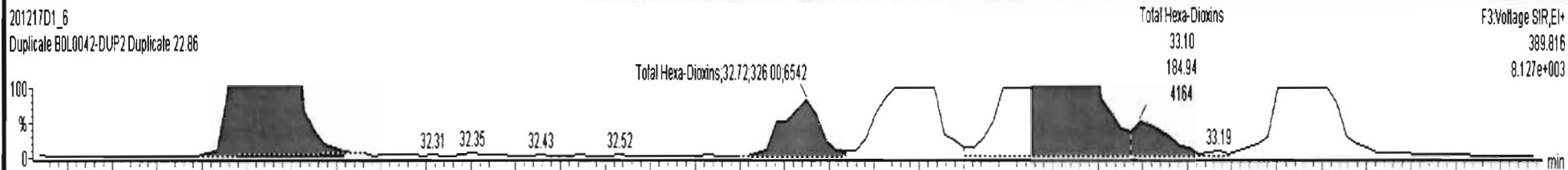


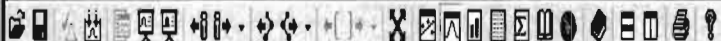
201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate



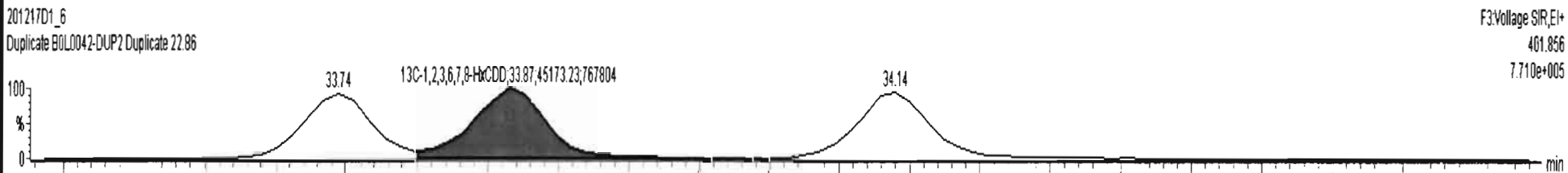
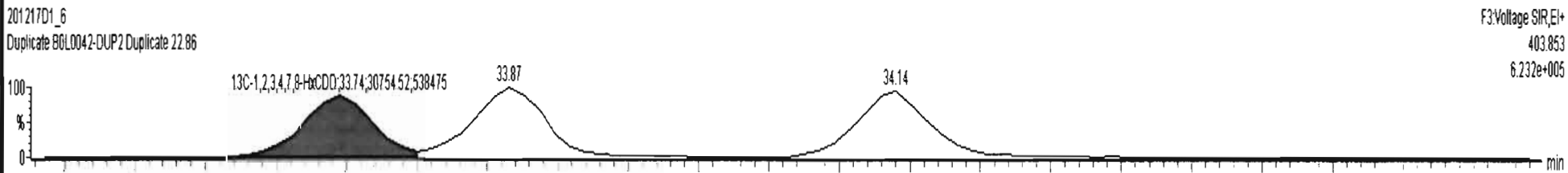
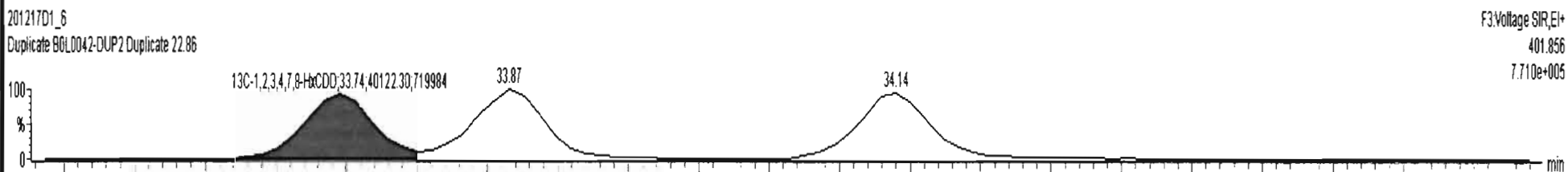
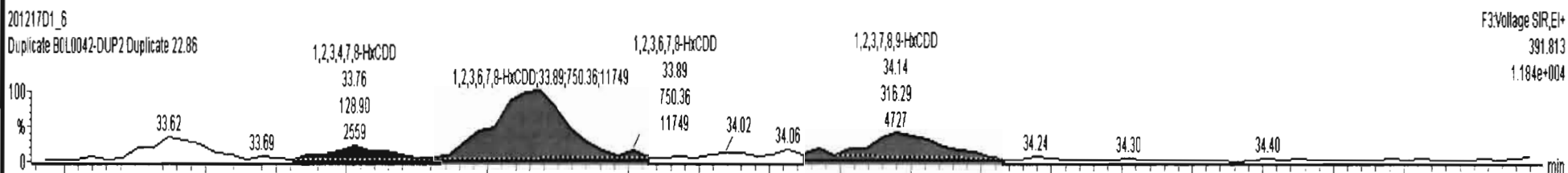
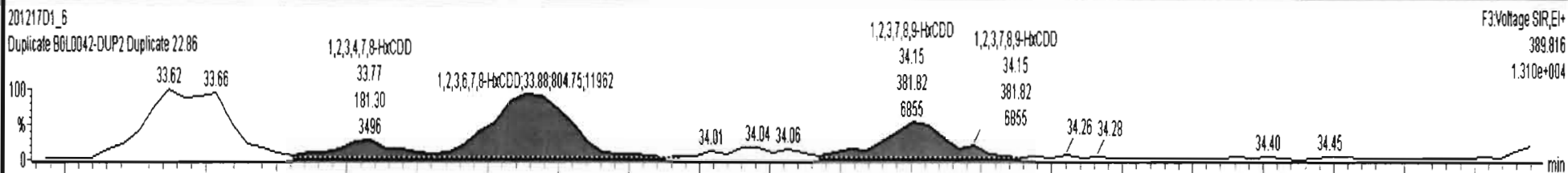


201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate



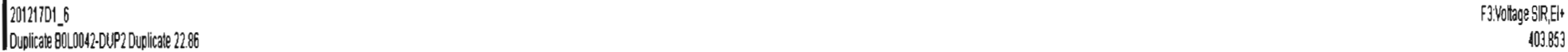
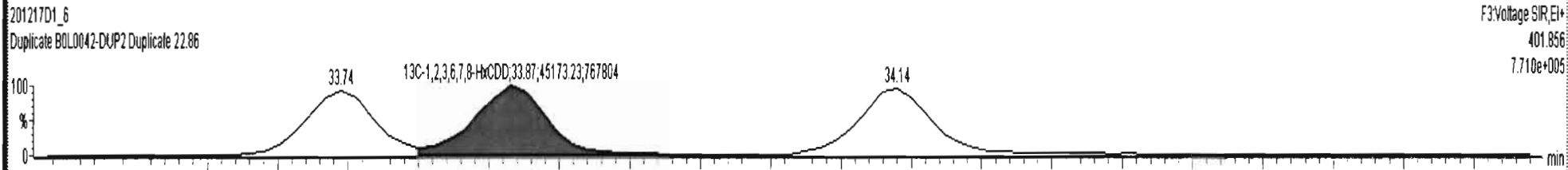
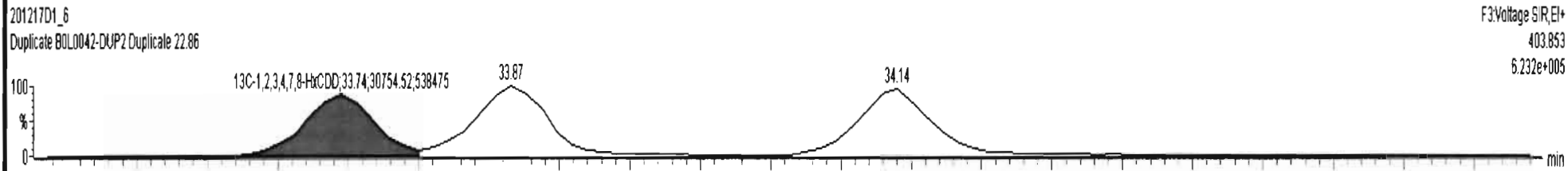
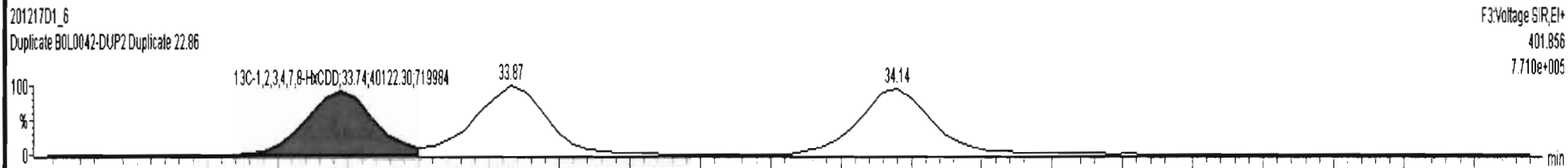
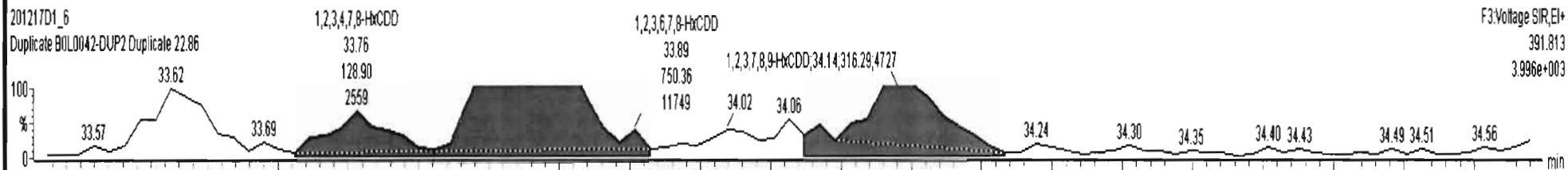
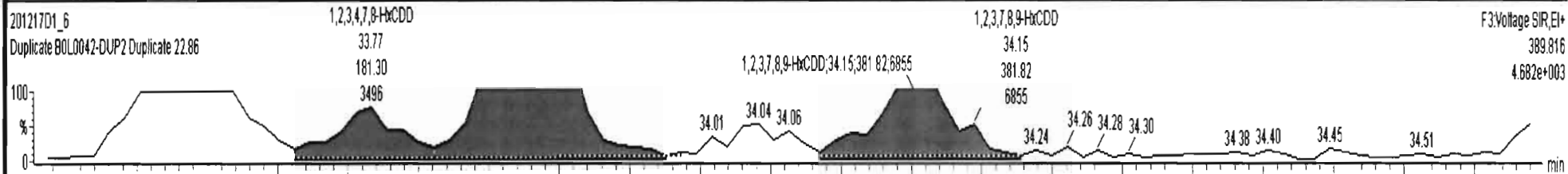


201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate





201217D1\_6 - BOL0042-DUP2 Duplicate 22.86 - Duplicate





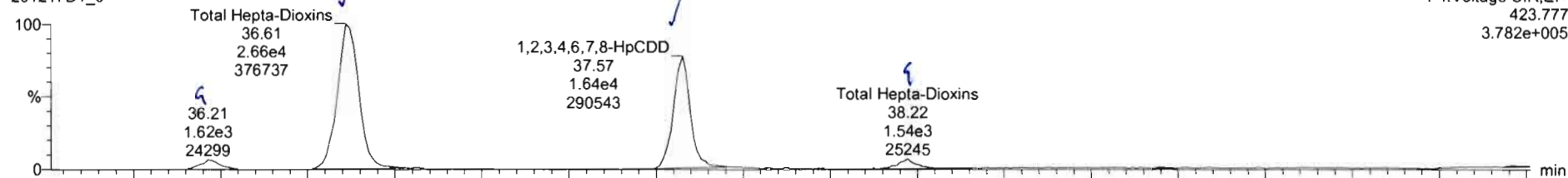
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Printed: Friday, December 18, 2020 09:41:00 Pacific Standard Time

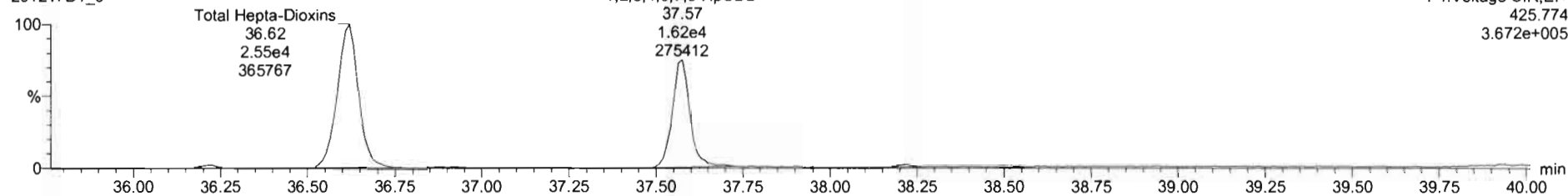
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1,2,3,4,6,7,8-HpCDD

201217D1\_6

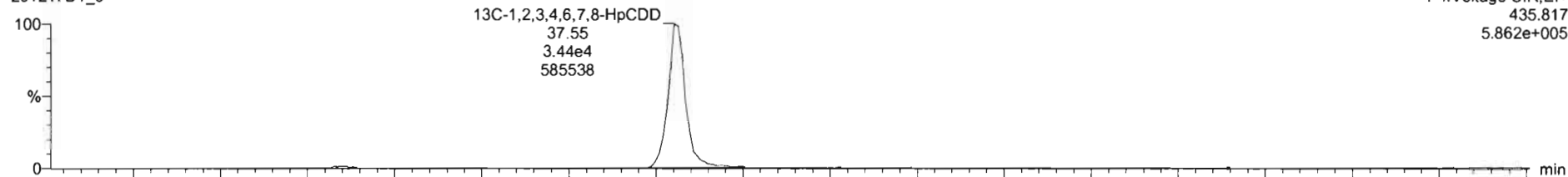


201217D1\_6

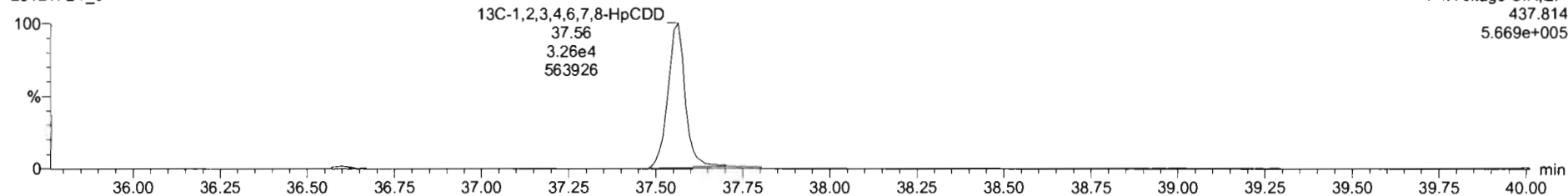


13C-1,2,3,4,6,7,8-HpCDD

201217D1\_6



201217D1\_6

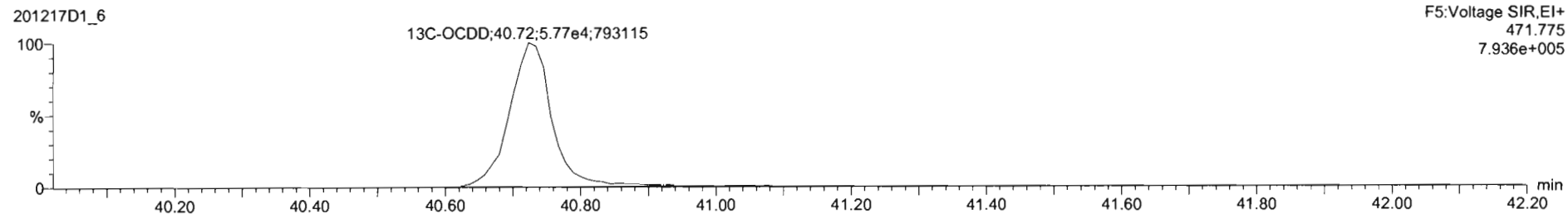
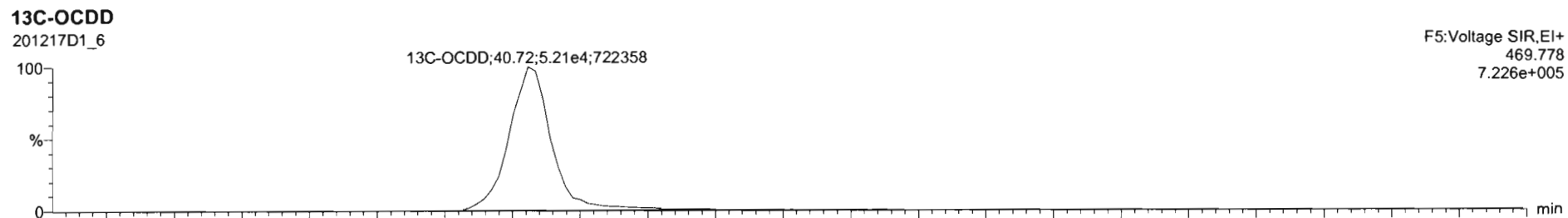
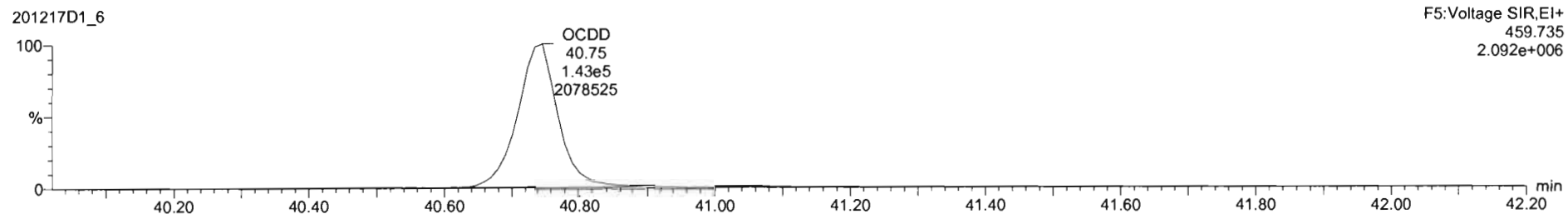
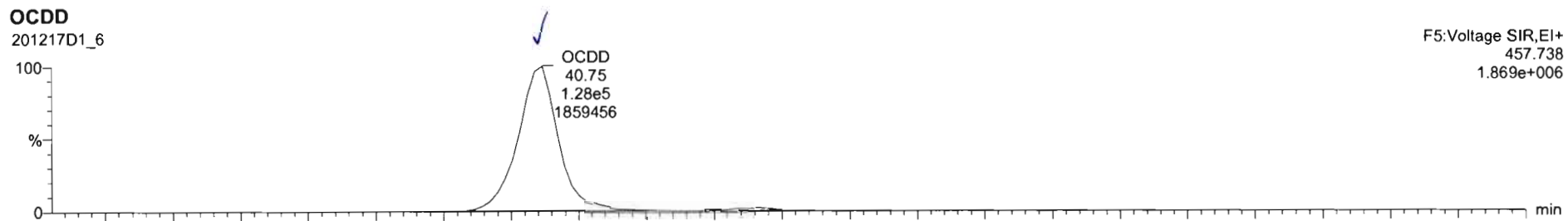


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Last Altered: Friday, December 18, 2020 09:40:38 Pacific Standard Time

Printed: Friday, December 18, 2020 09:41:00 Pacific Standard Time

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

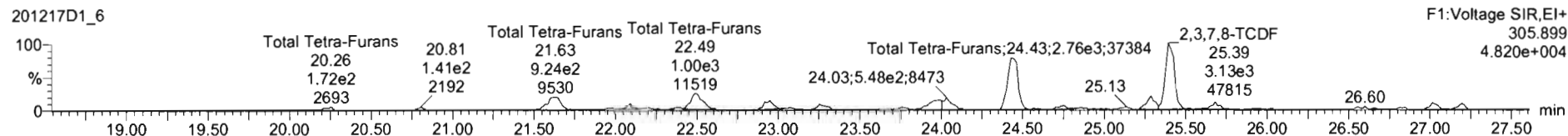
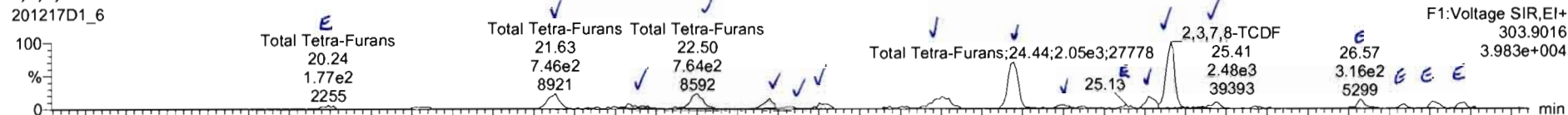


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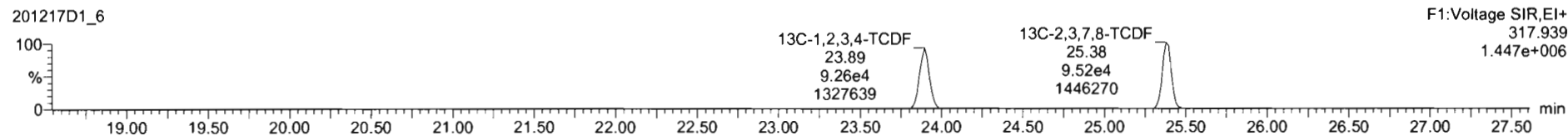
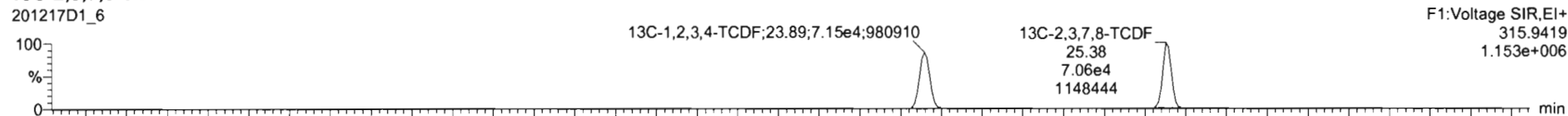
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Printed: Friday, December 18, 2020 09:41:00 Pacific Standard Time

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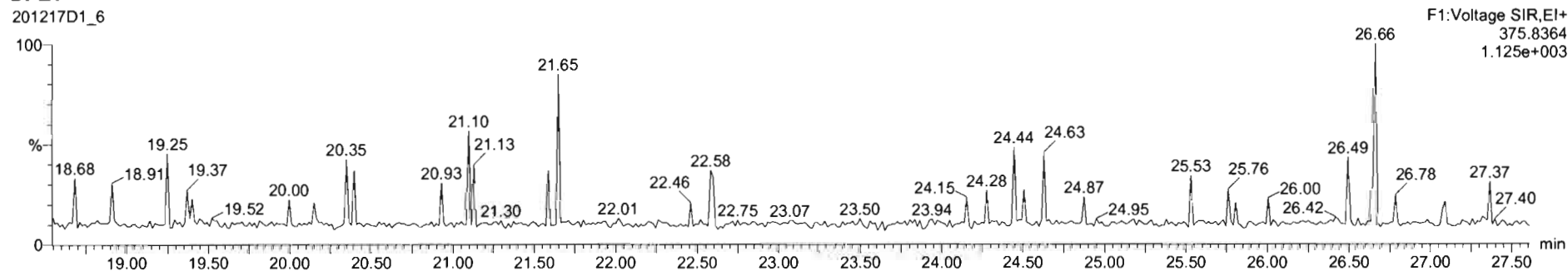
2,3,7,8-TCDF



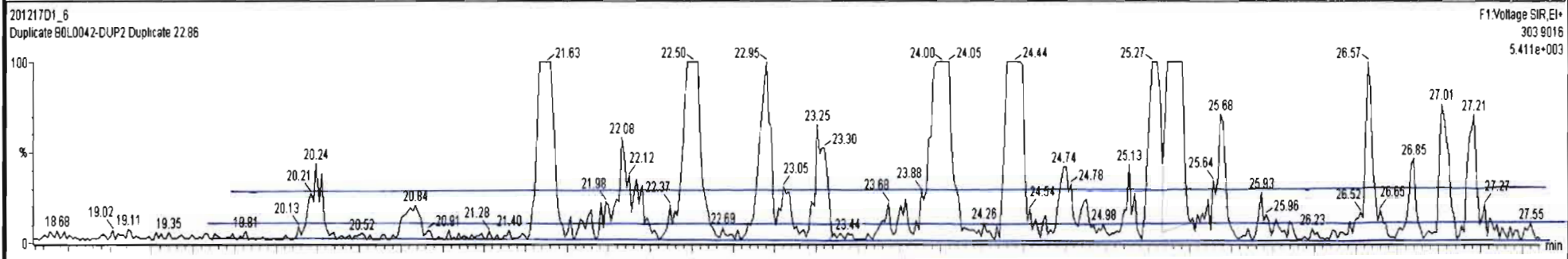
13C-2,3,7,8-TCDF



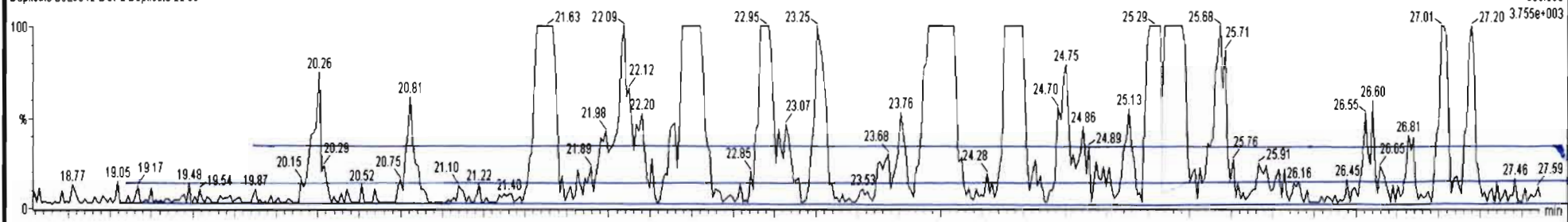
DPE1



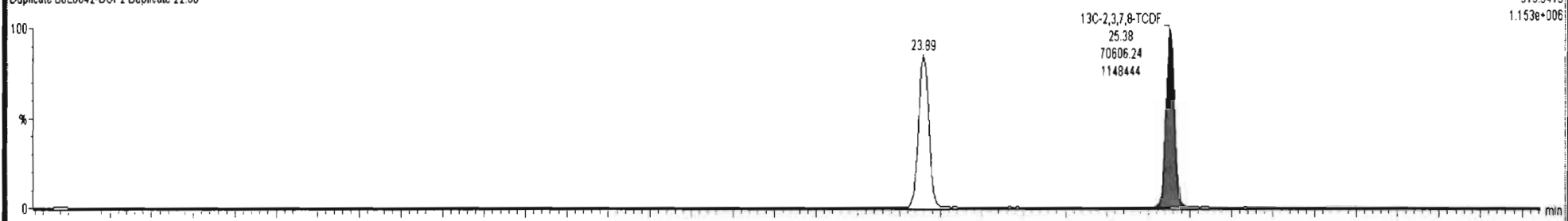
201217D1\_6 Duplicate 80L0042-DUP2 Duplicate 22.86



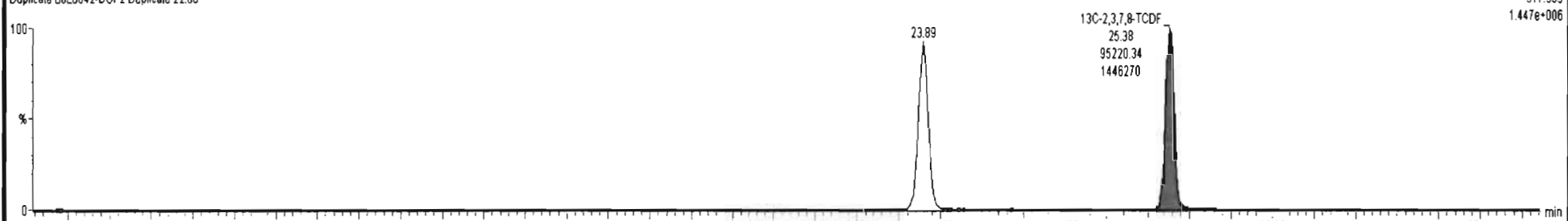
201217D1\_6 Duplicate 80L0042-DUP2 Duplicate 22.86

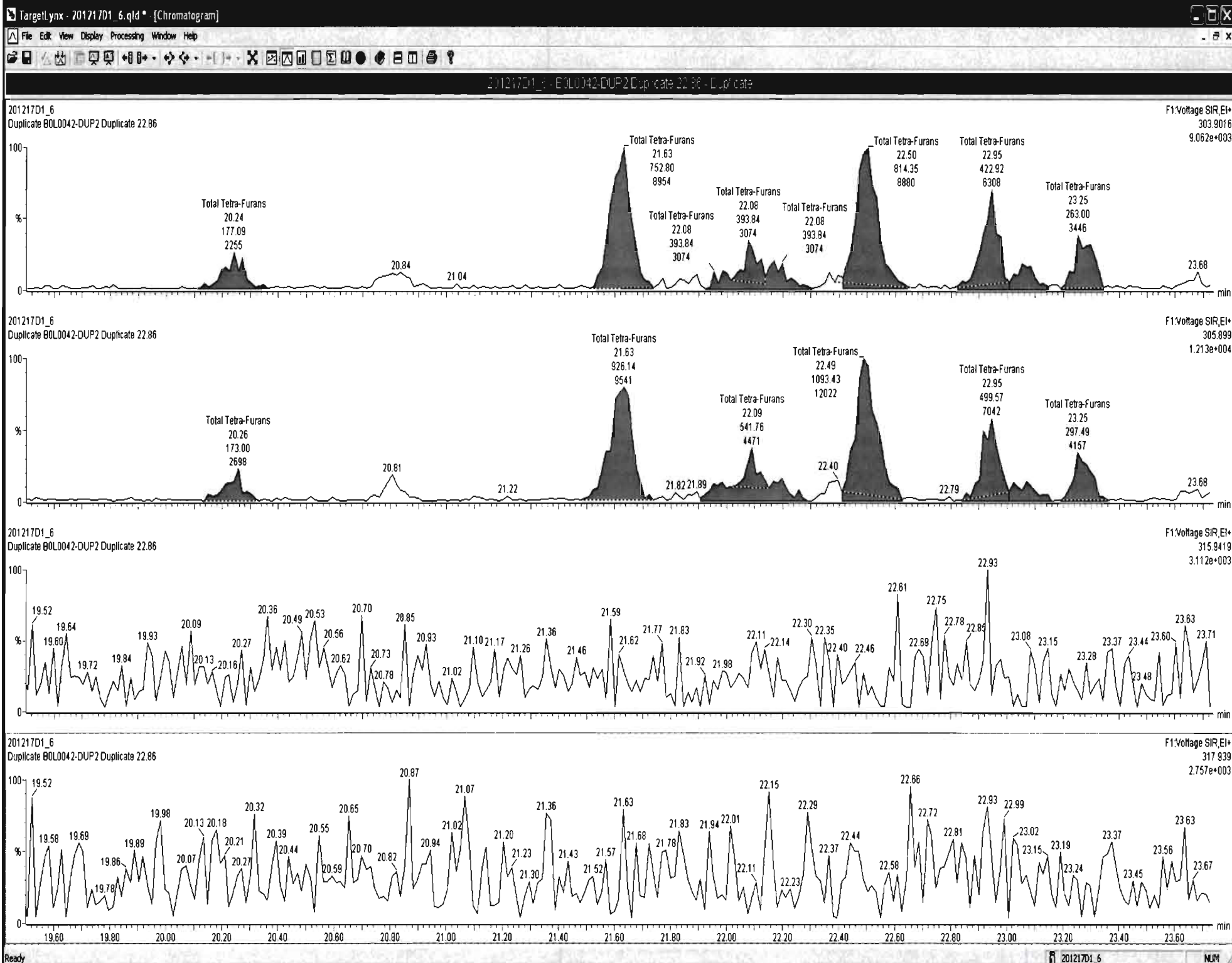


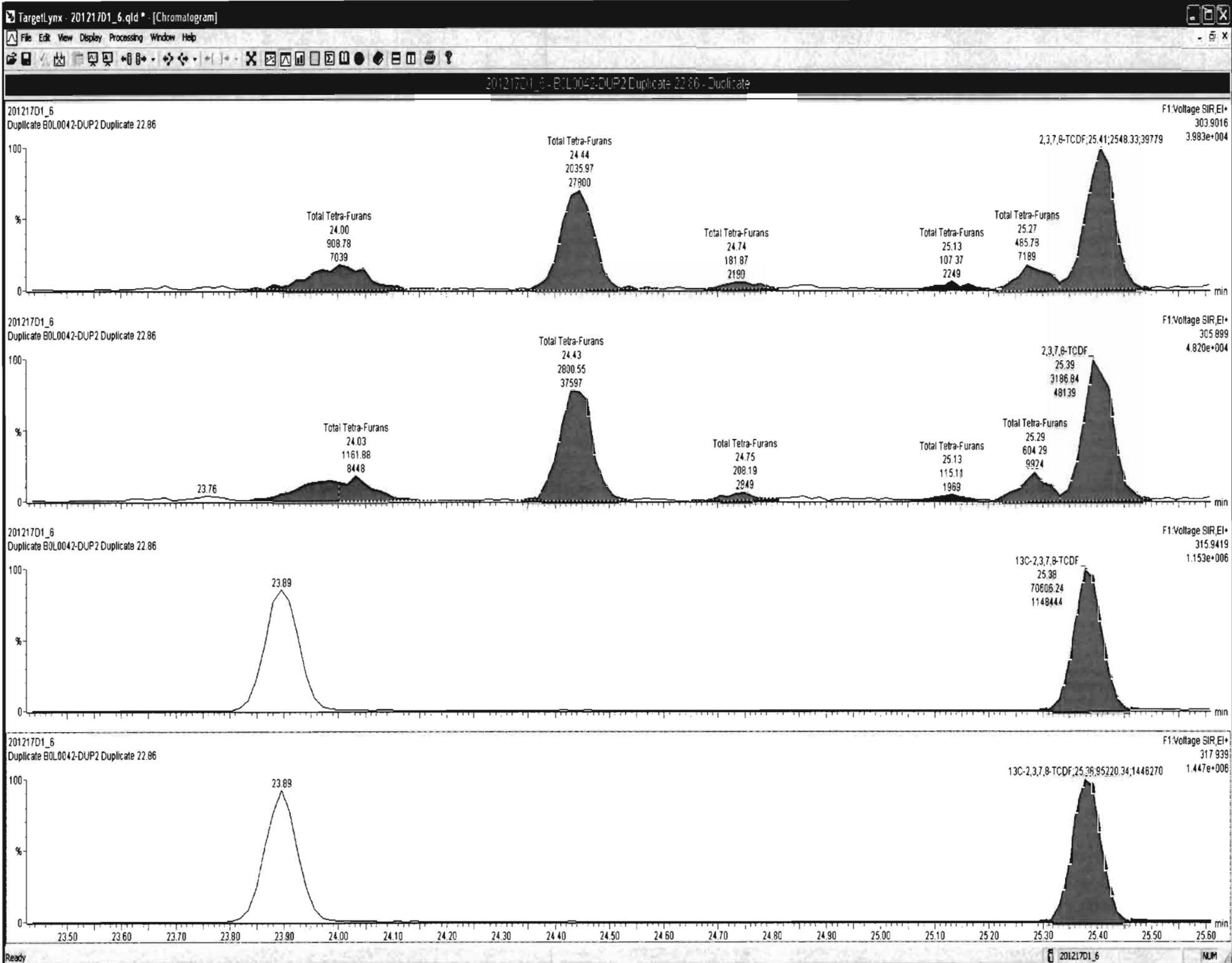
201217D1\_6 Duplicate 80L0042-DUP2 Duplicate 22.86

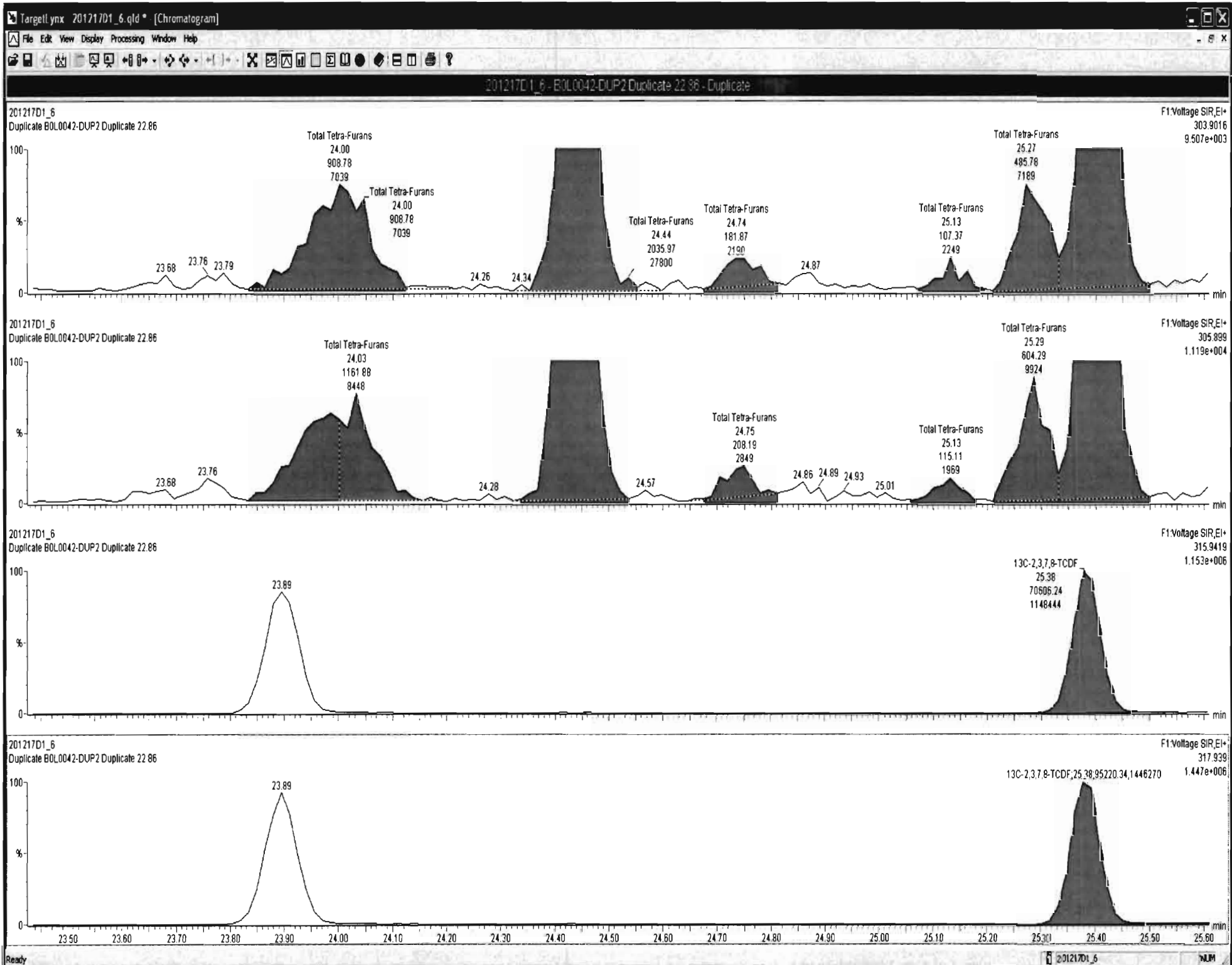


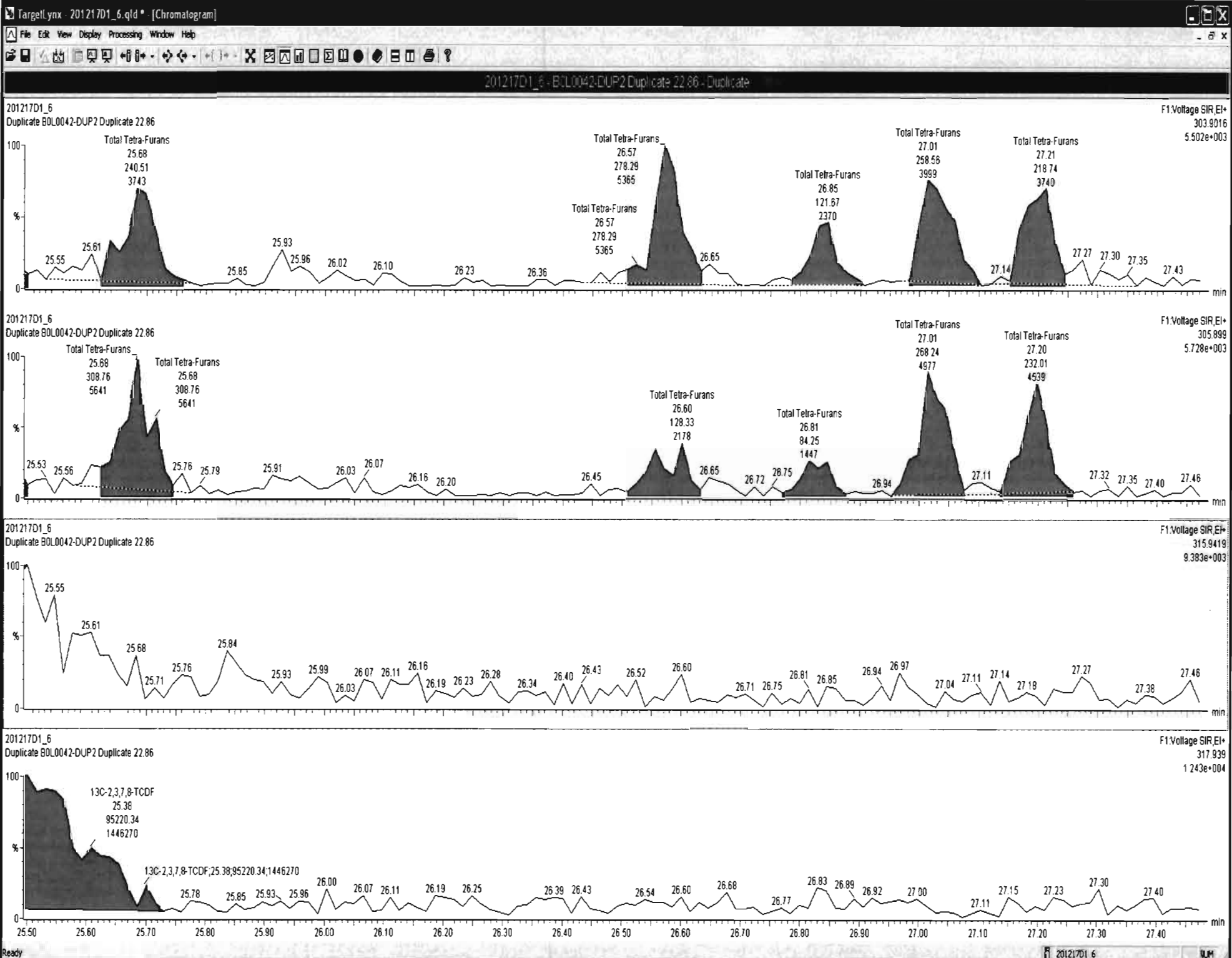
201217D1\_6 Duplicate 80L0042-DUP2 Duplicate 22.86













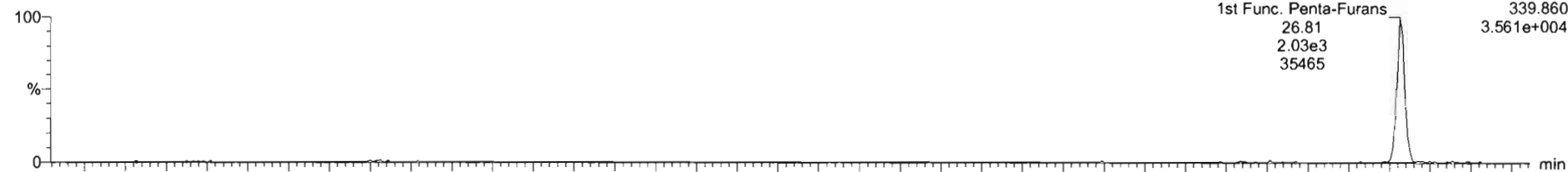
Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

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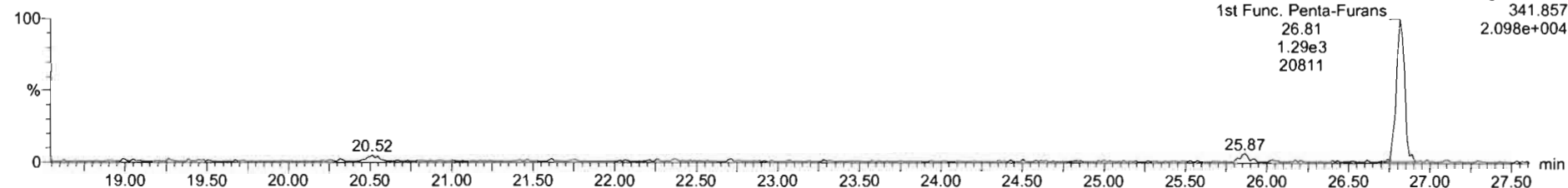
Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

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201217D1\_6

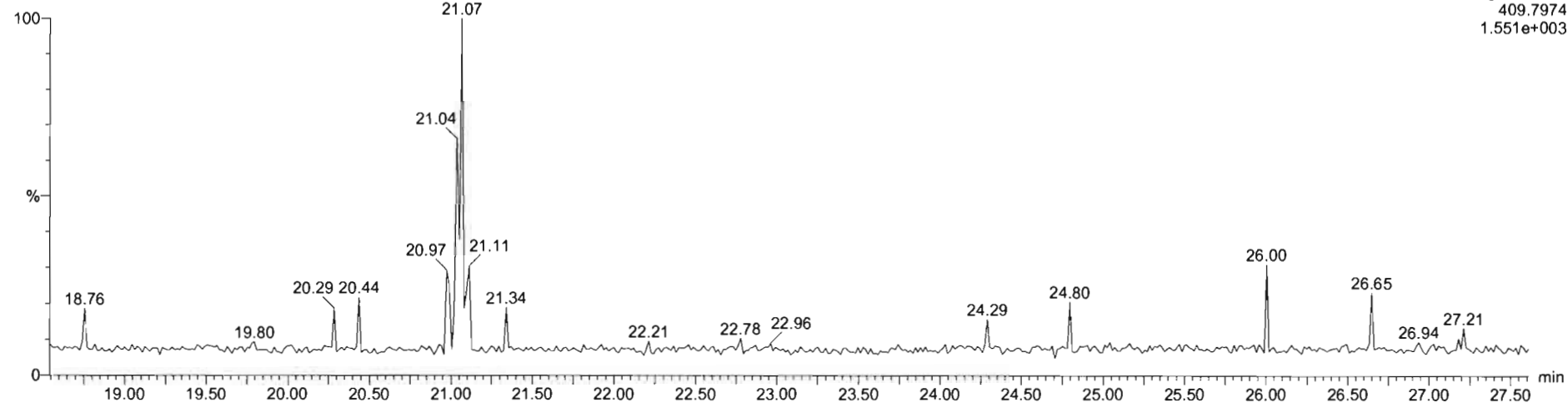


201217D1\_6



DPE6

201217D1\_6

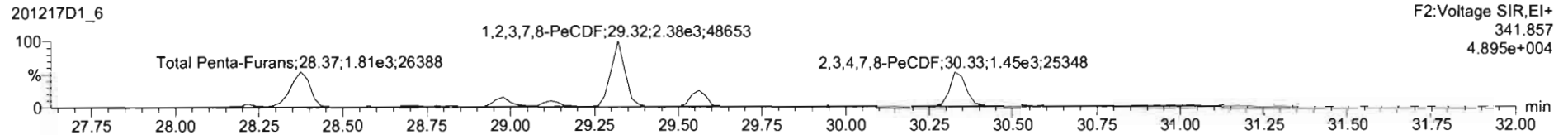
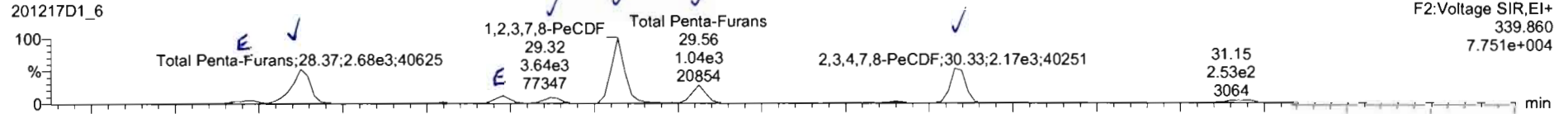


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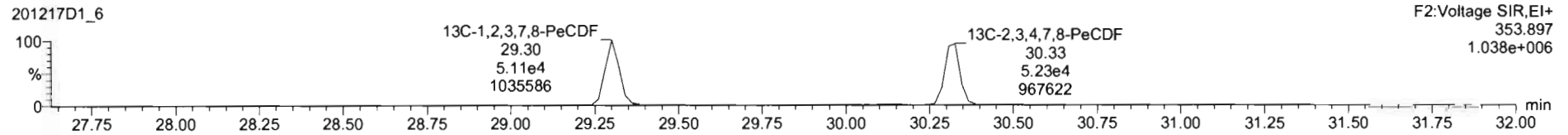
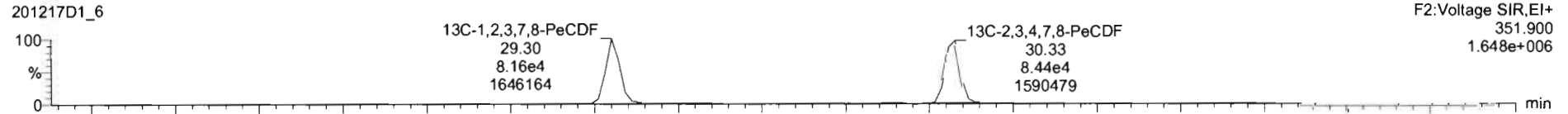
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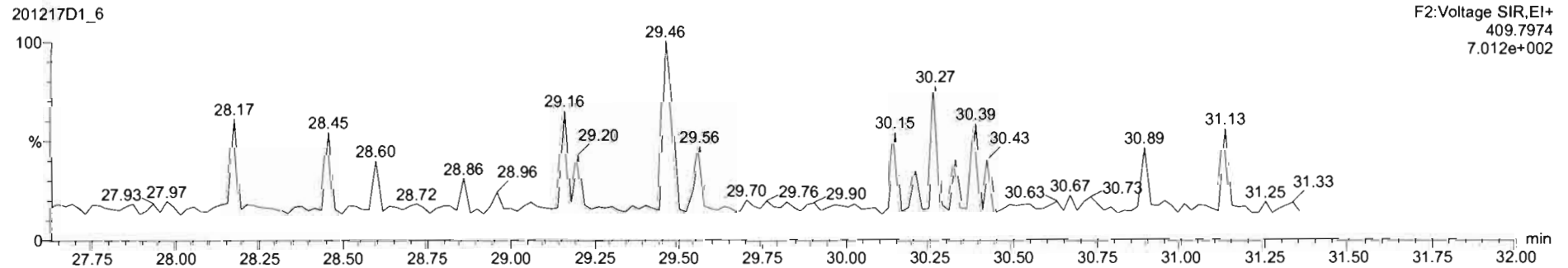
1,2,3,7,8-PeCDF

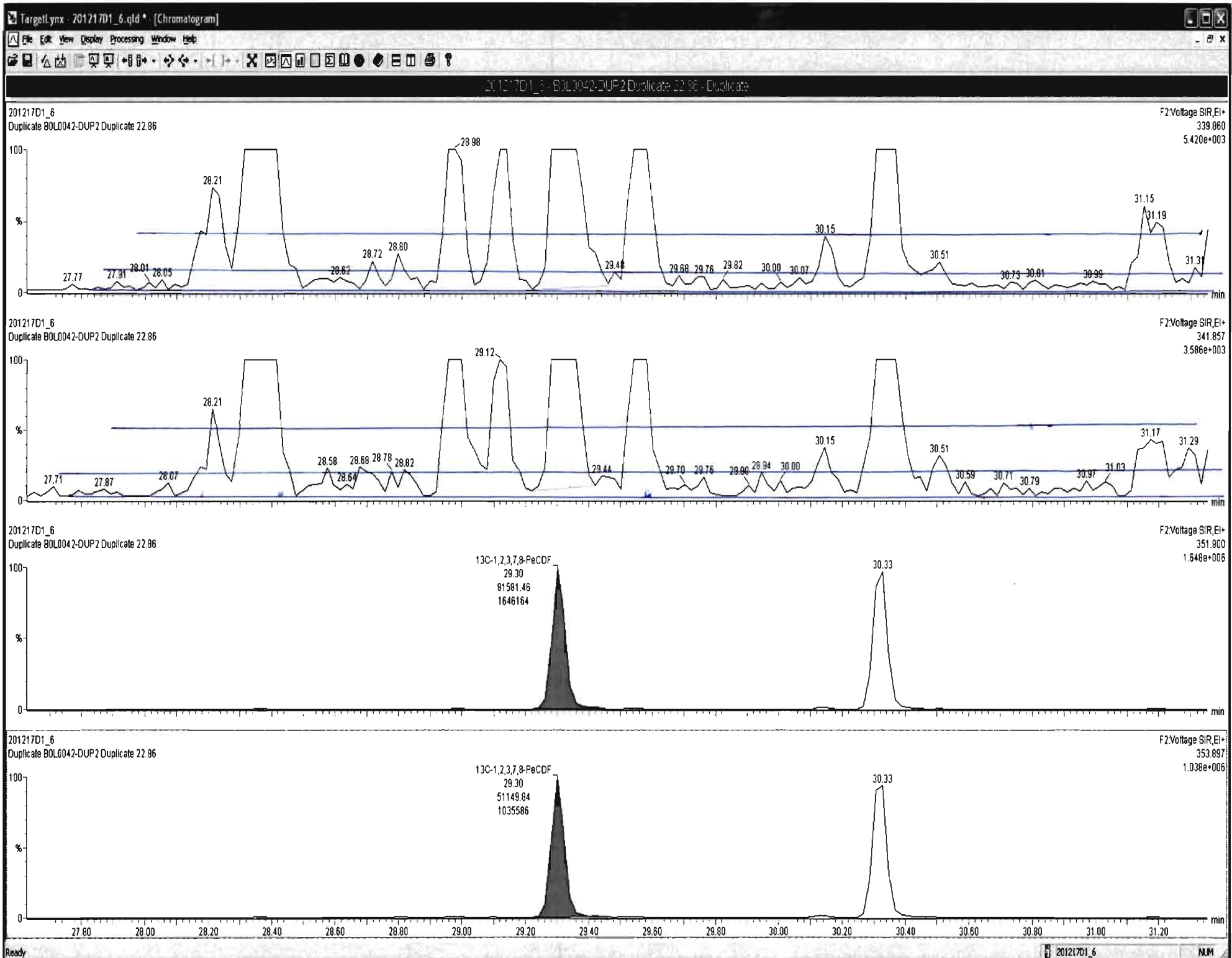


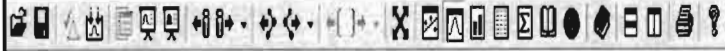
13C-1,2,3,7,8-PeCDF



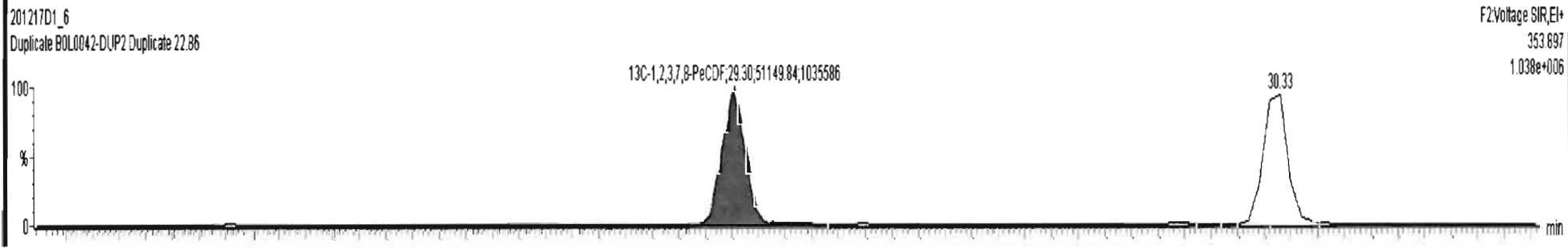
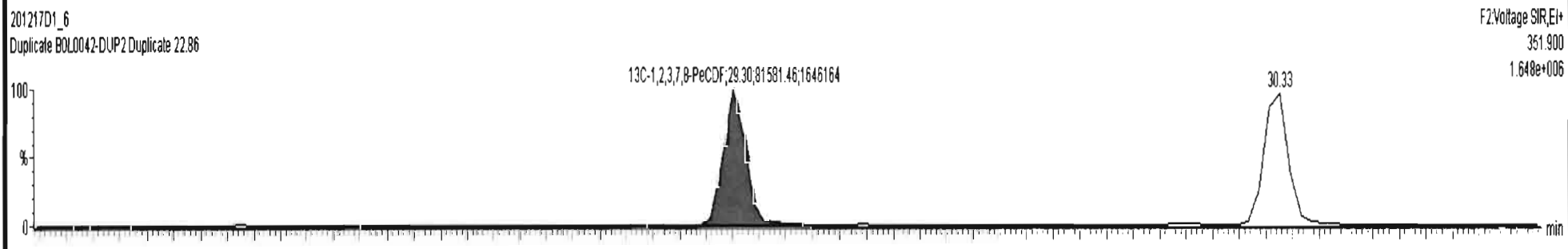
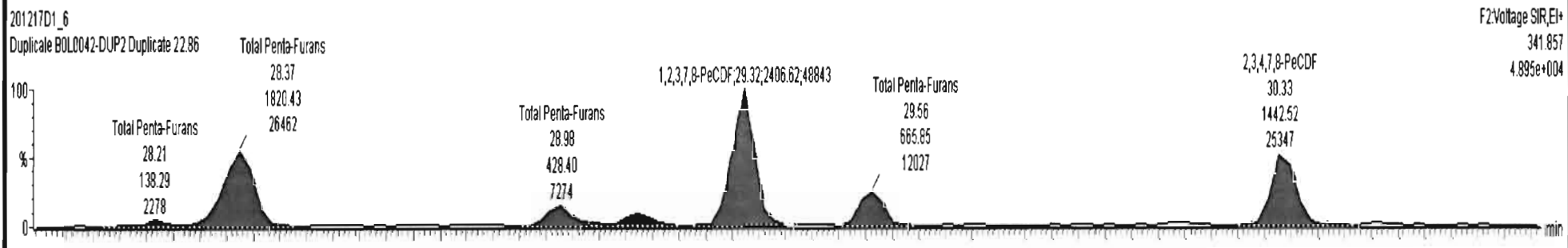
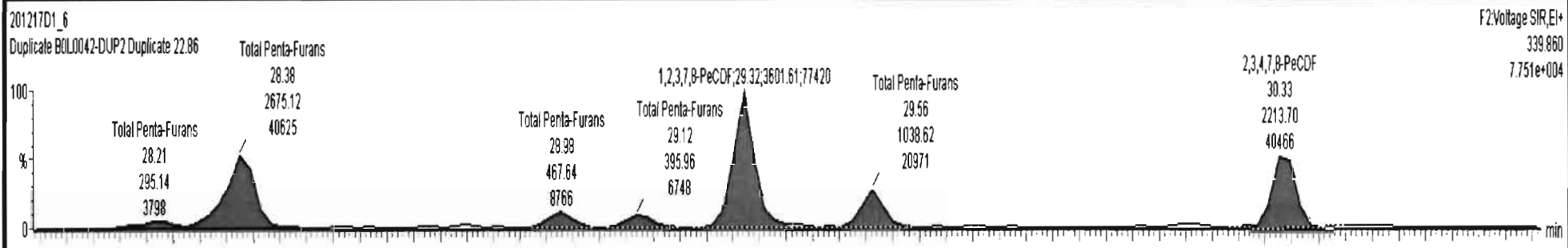
DPE2

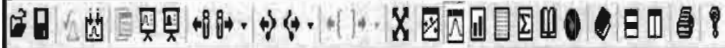




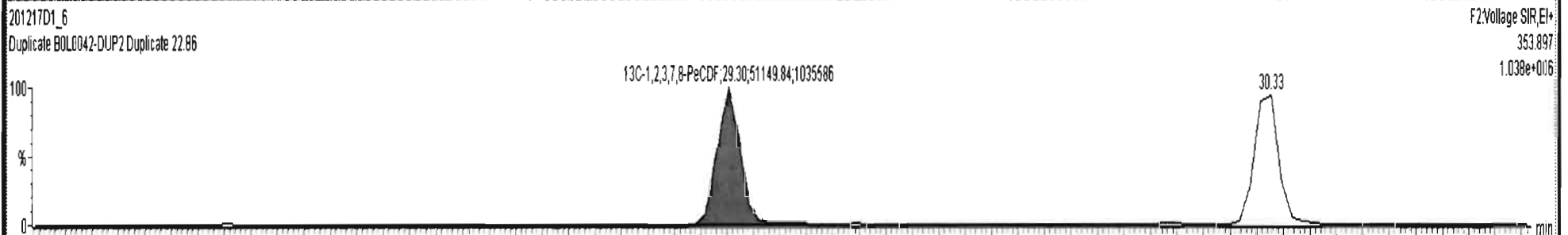
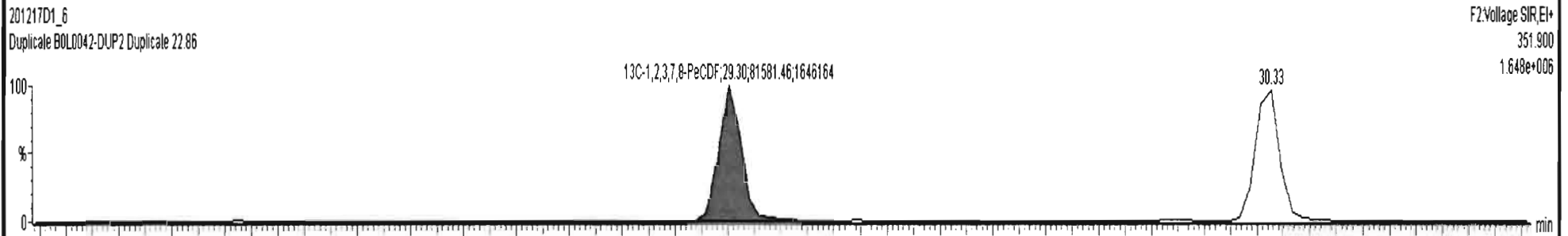
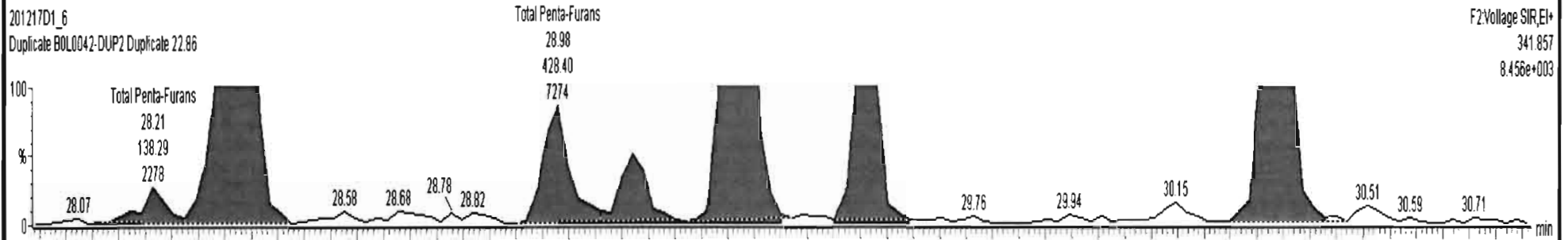
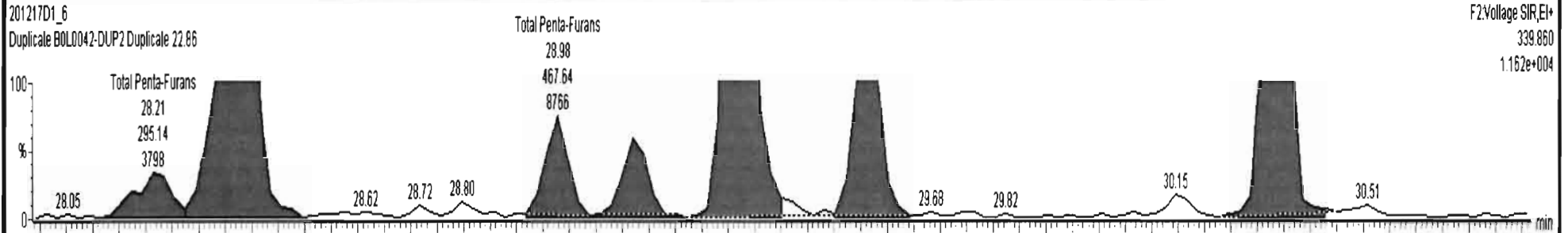


201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate





201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate

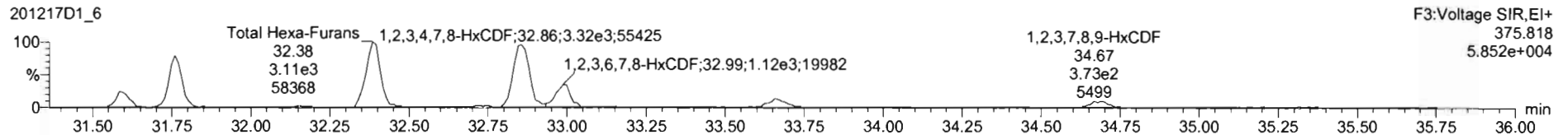
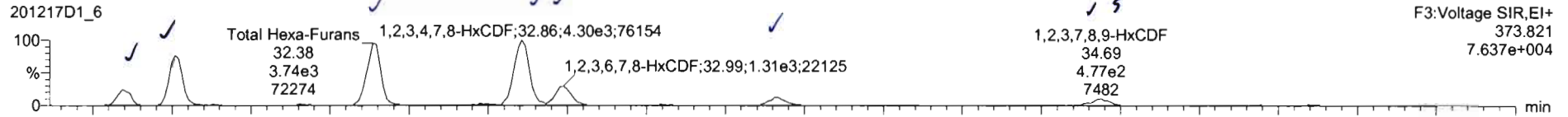


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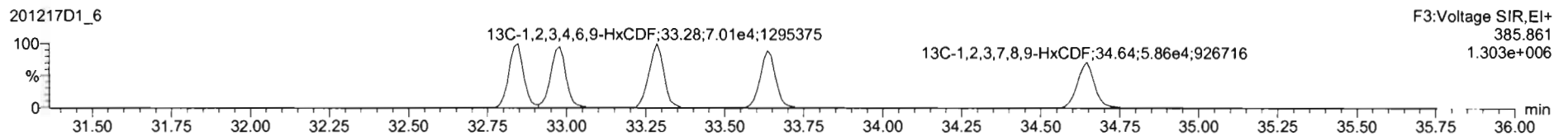
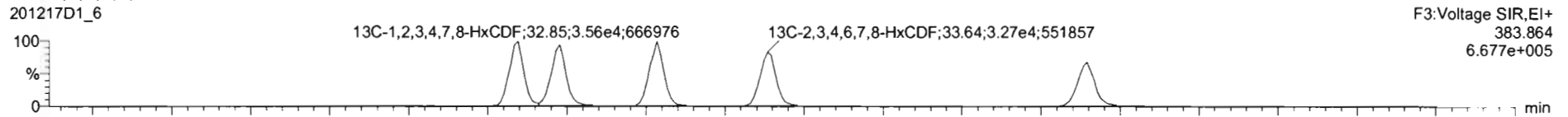
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Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

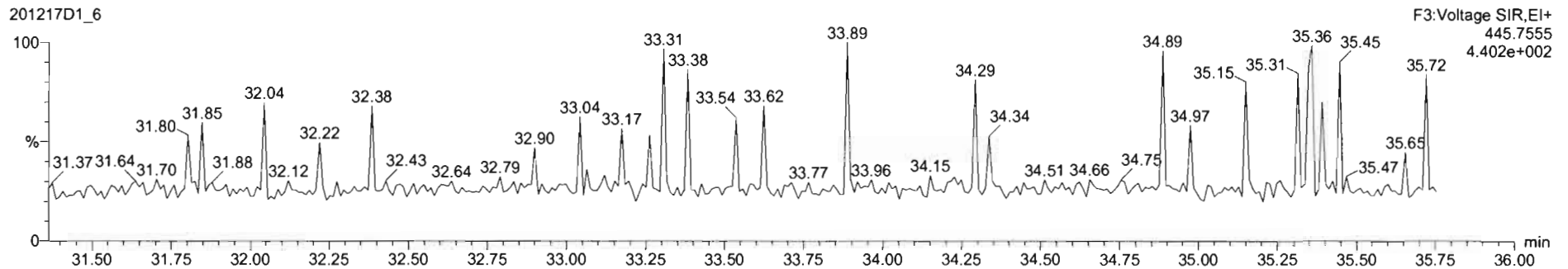
1,2,3,4,7,8-HxCDF



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

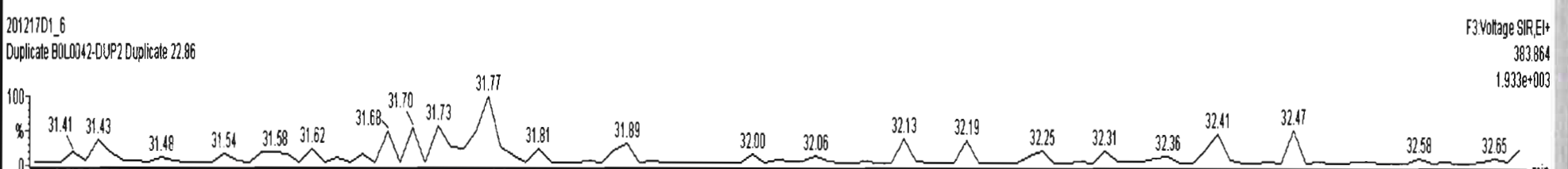
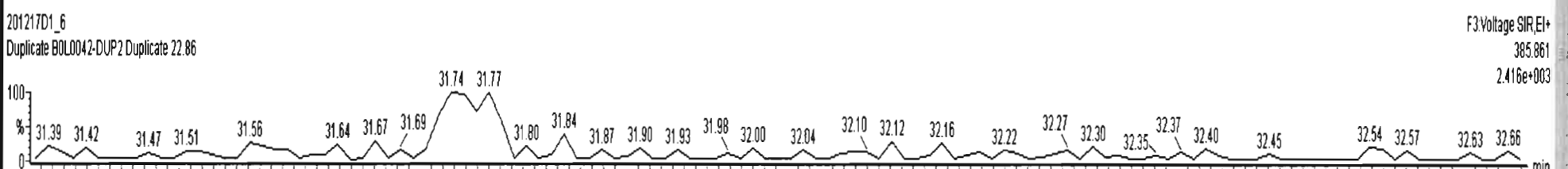
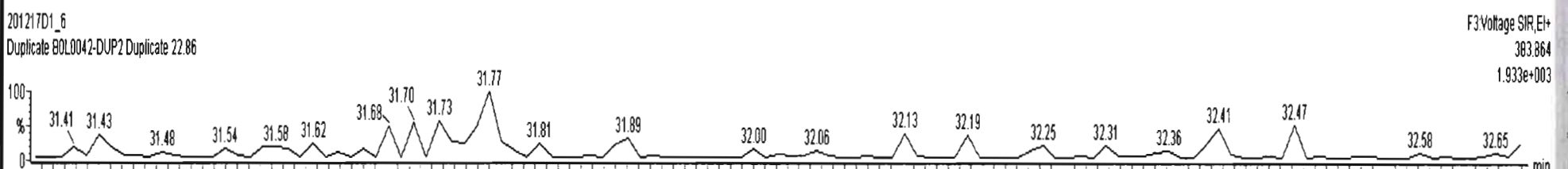
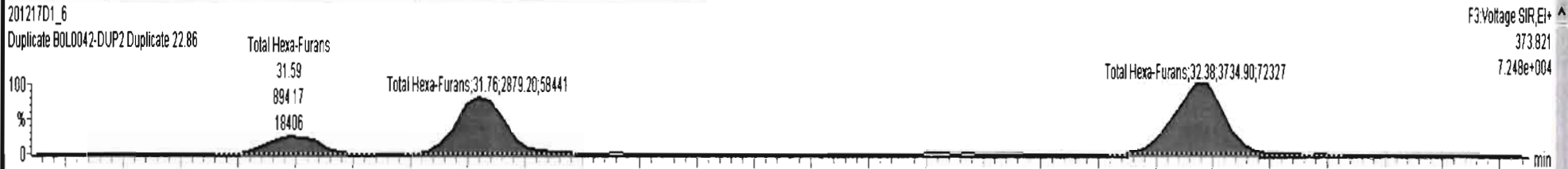


DPE3



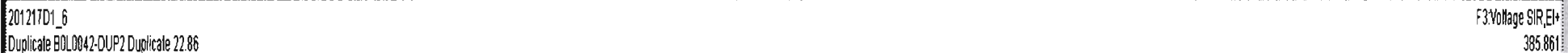
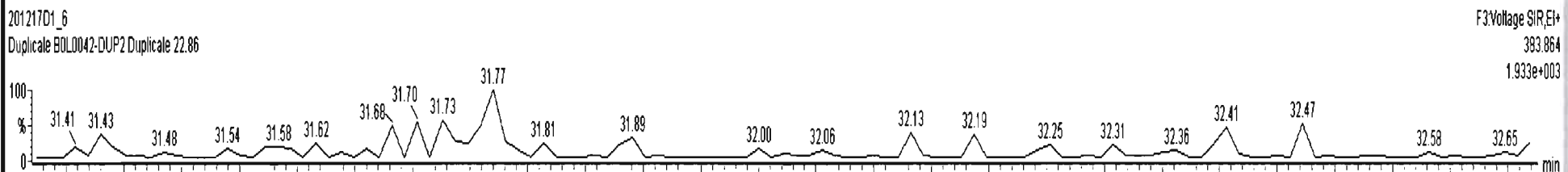
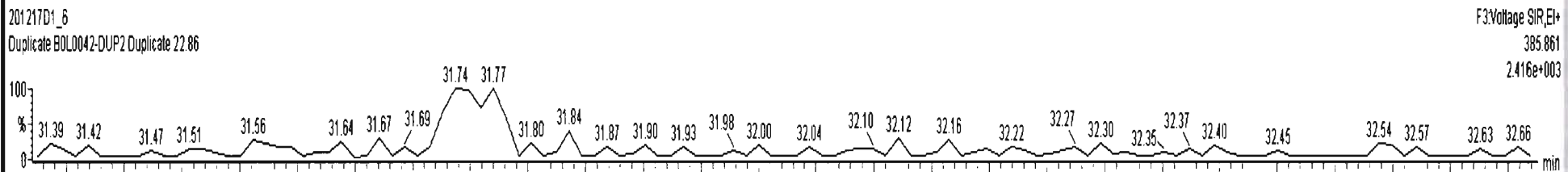
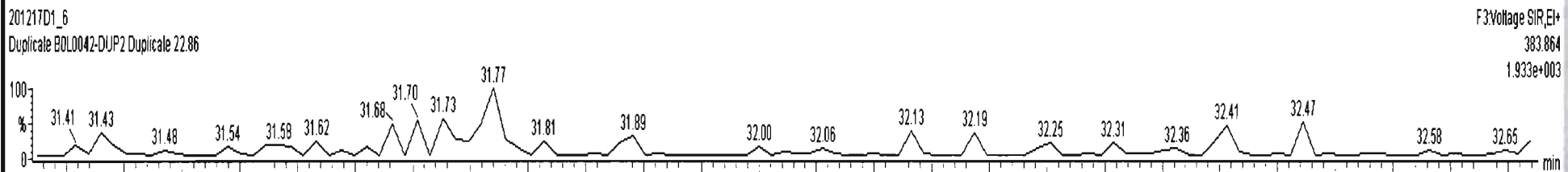
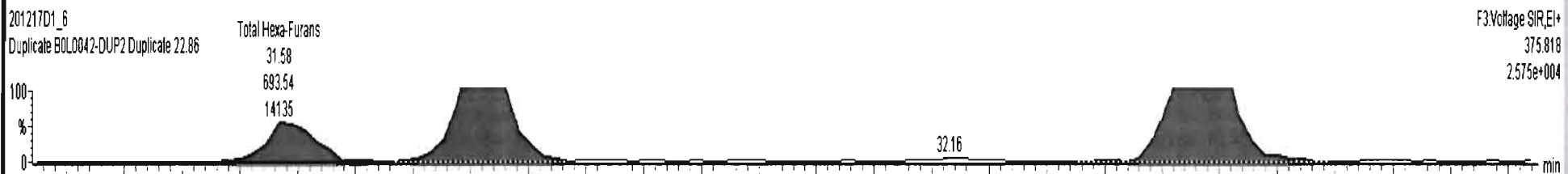
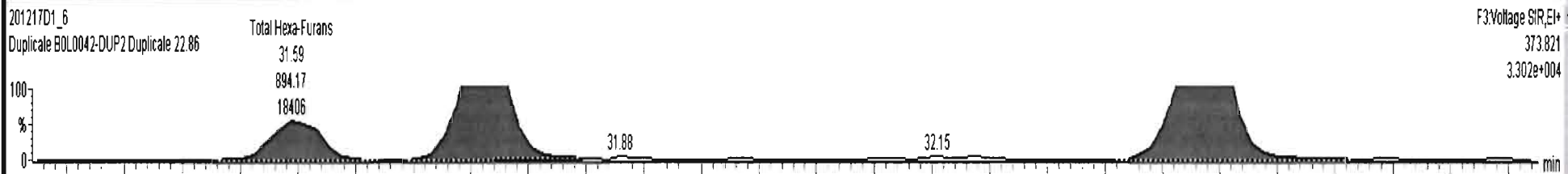


201217D1\_6 - BOL0042-DUP2 Duplicate 22.86 - Duplicate

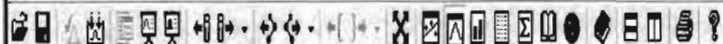




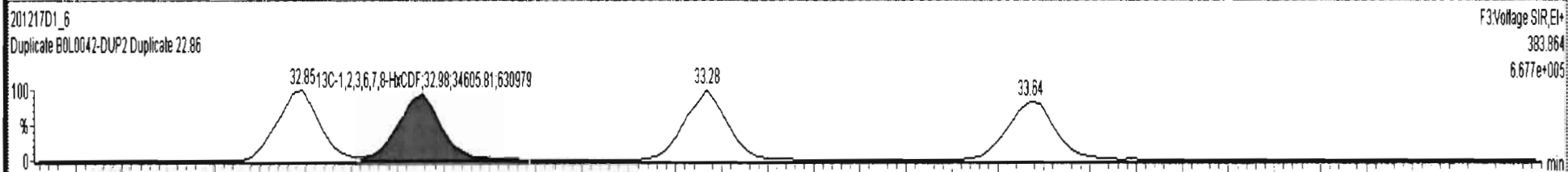
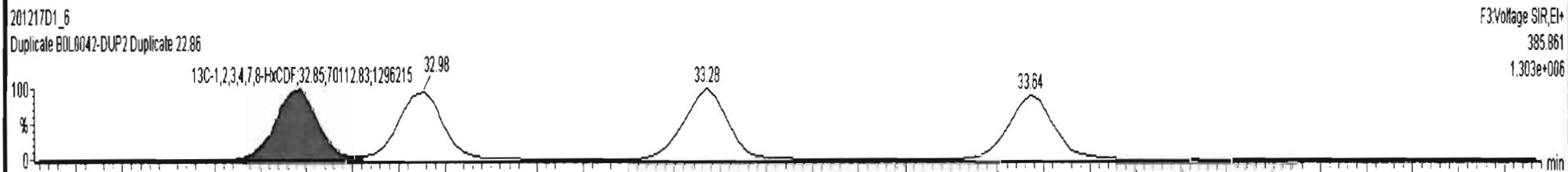
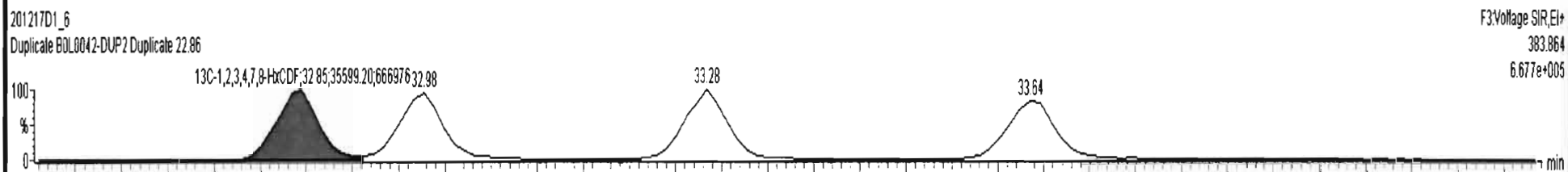
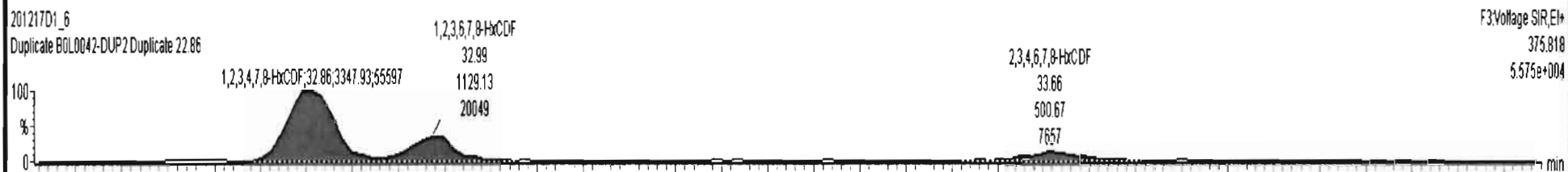
201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate





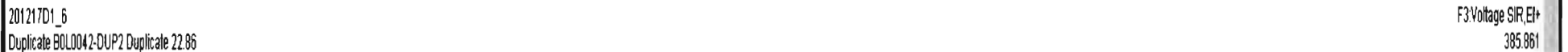
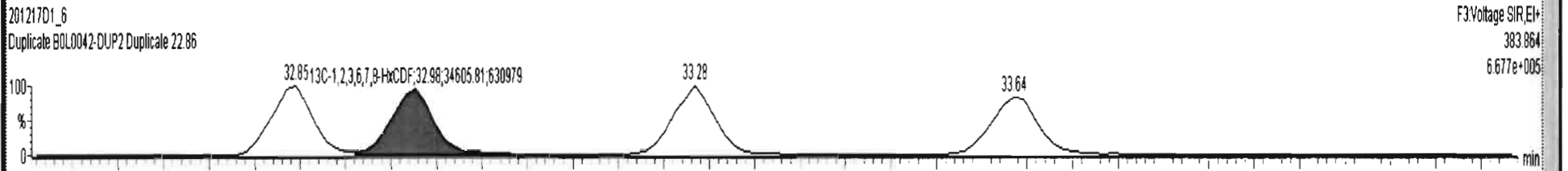
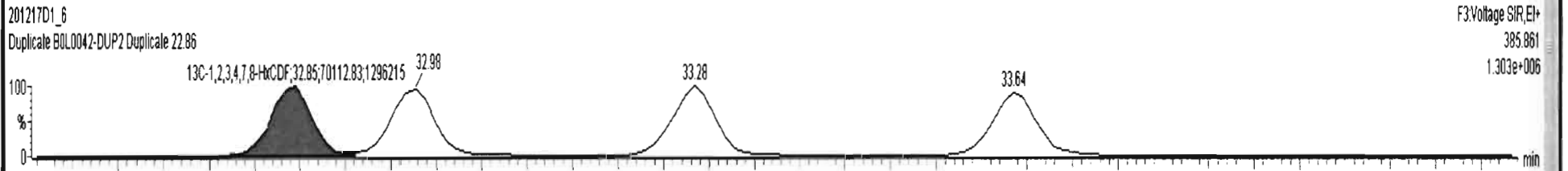
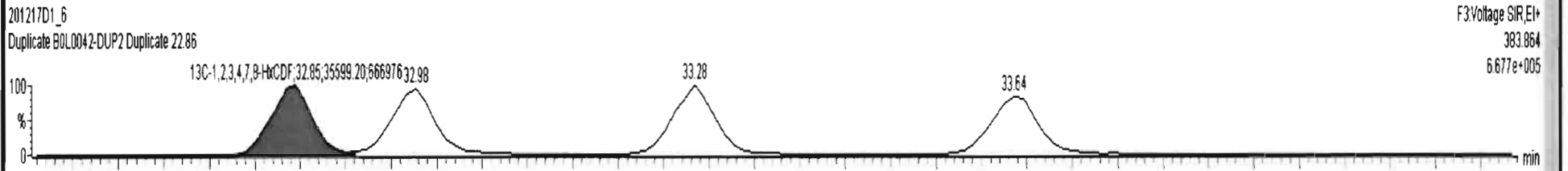
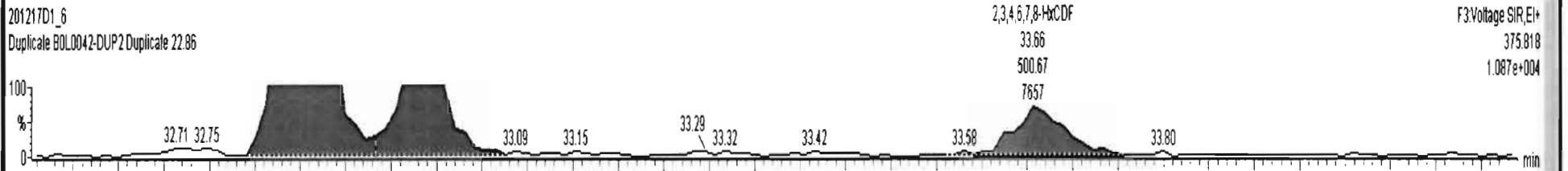
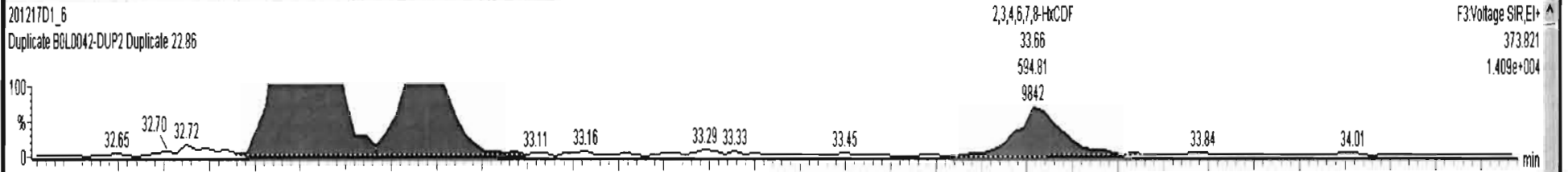


201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate



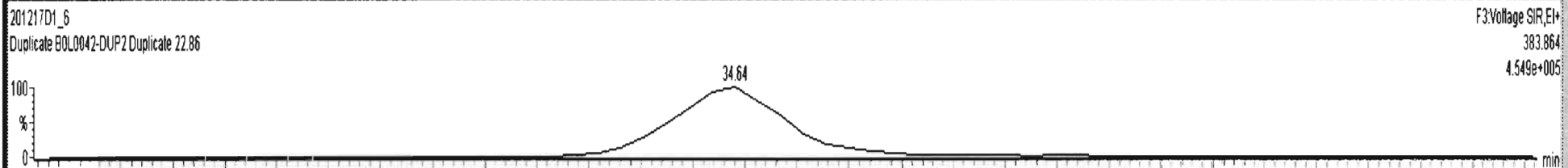
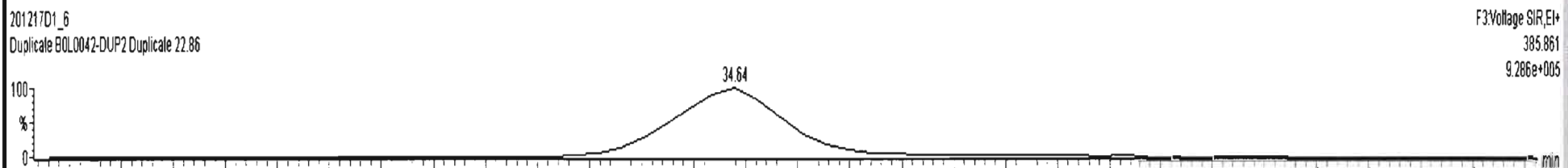
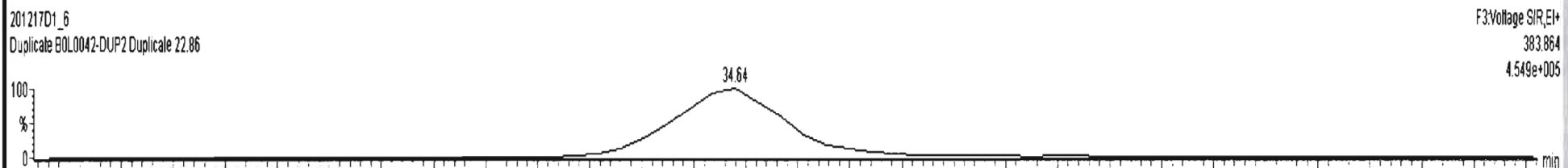
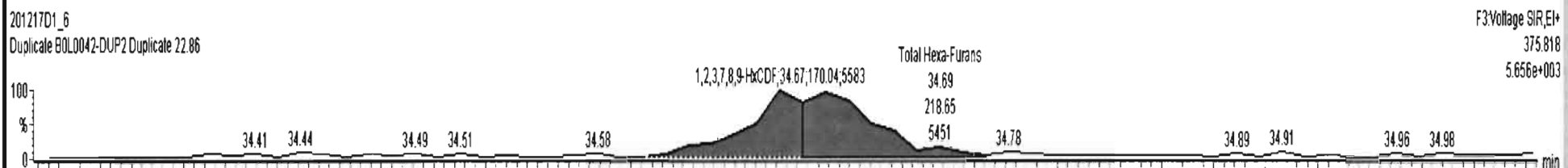
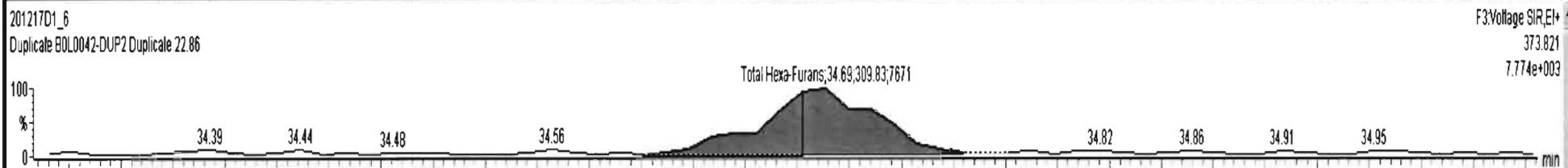


201217D1\_6-BOL0042-DUP2 Duplicate 22.86 - Duplicate





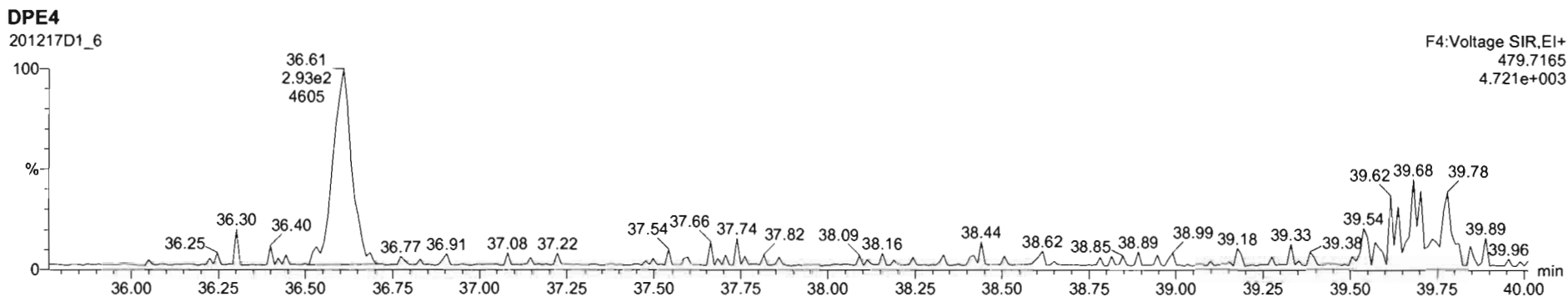
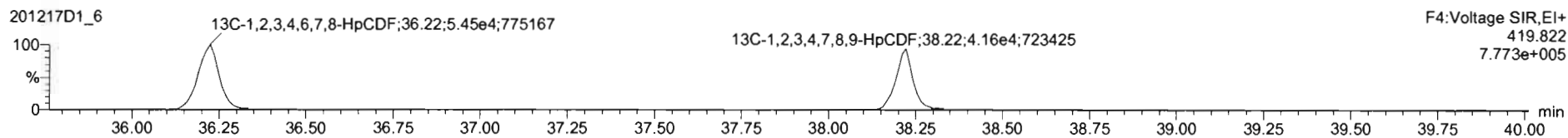
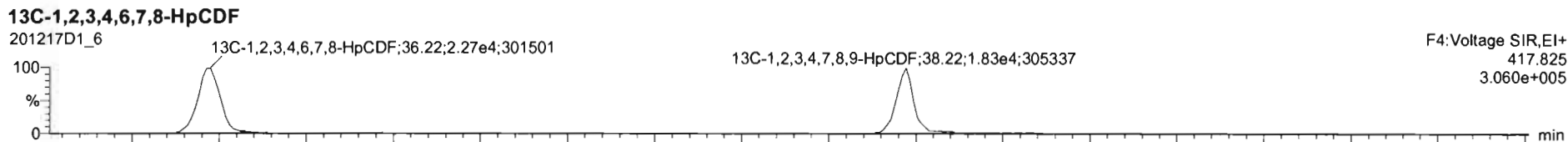
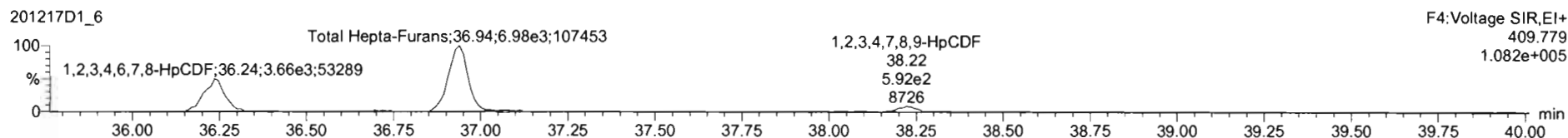
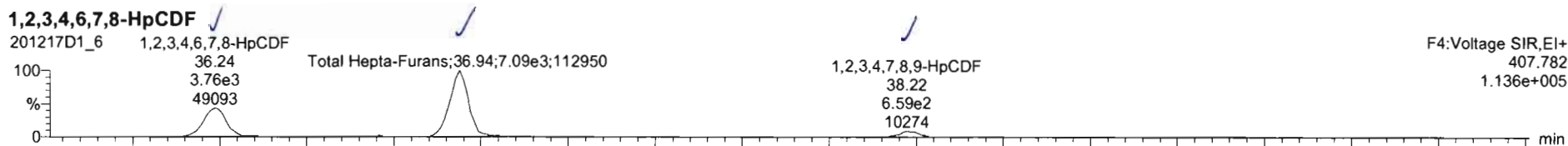
201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate



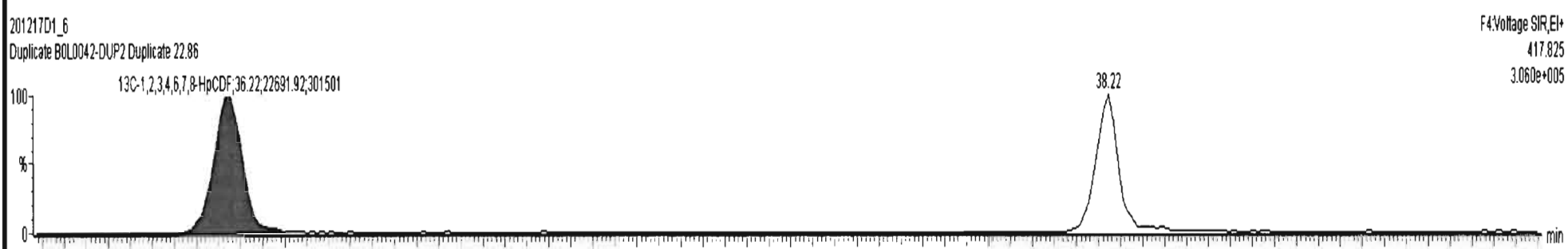
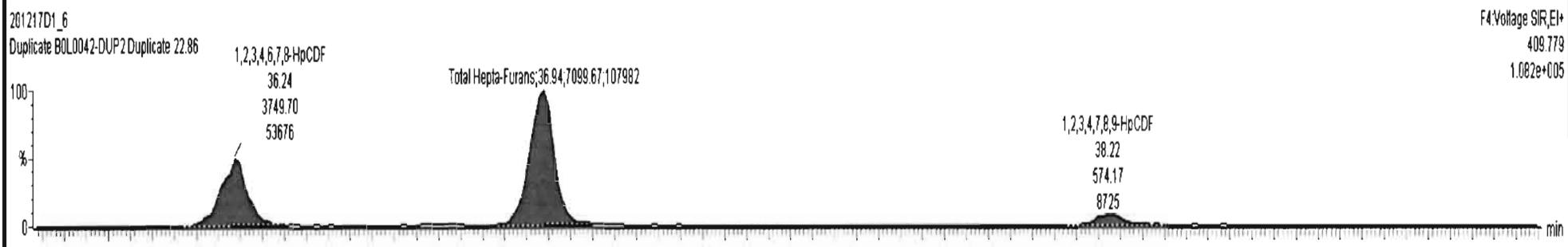
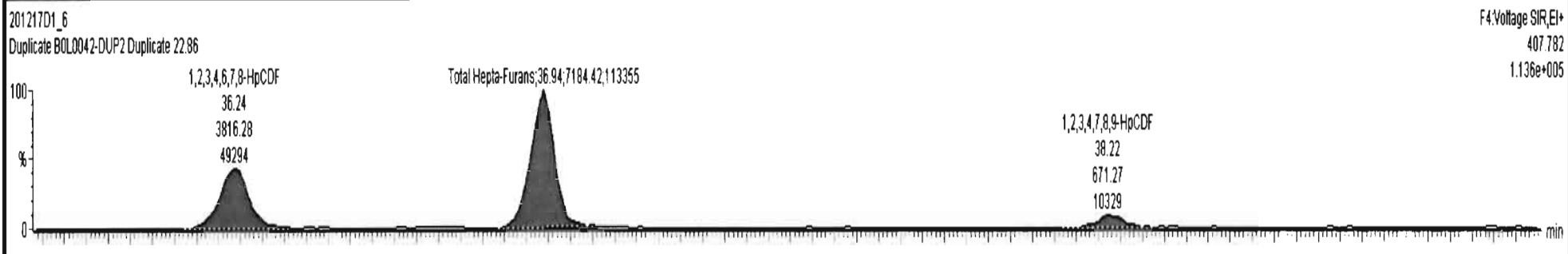
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Last Altered: Friday, December 18, 2020 09:40:38 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:00 Pacific Standard Time

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate

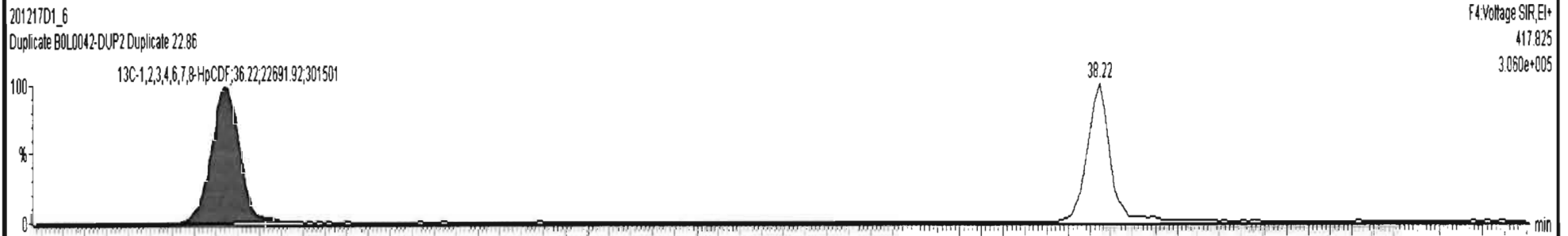
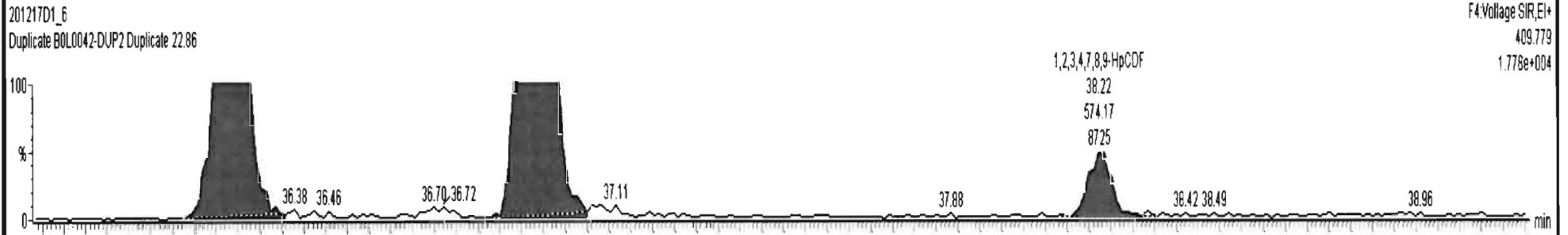
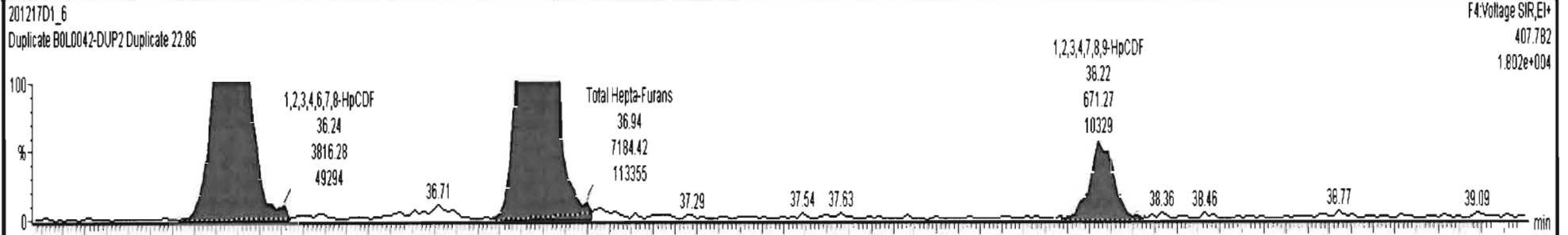


201217D1\_6 - B0L0042-DUP2 Duplicate 22.86 - Duplicate





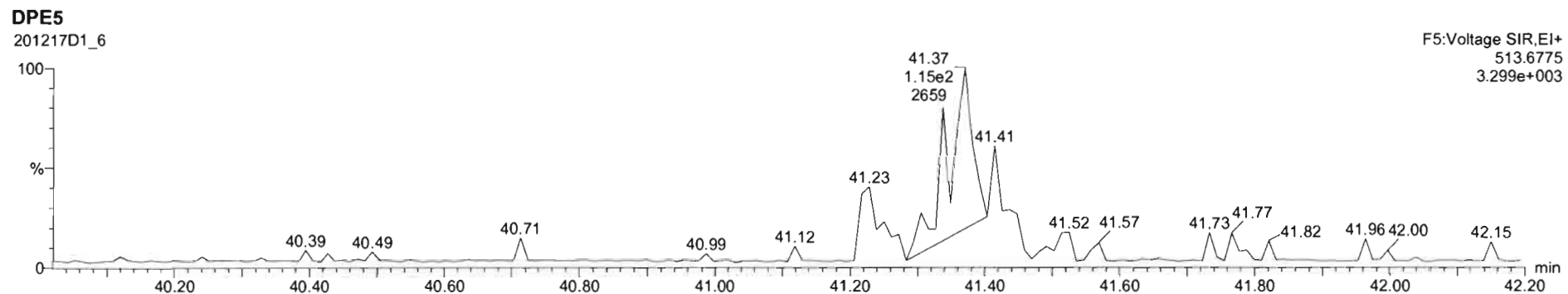
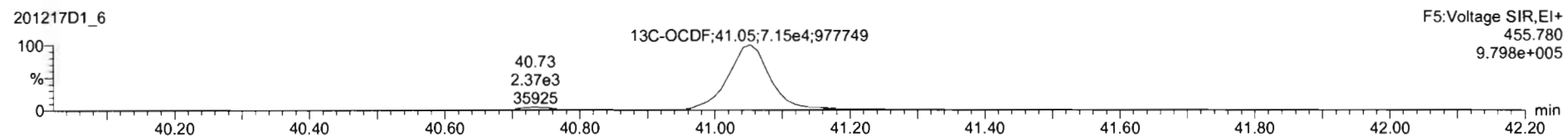
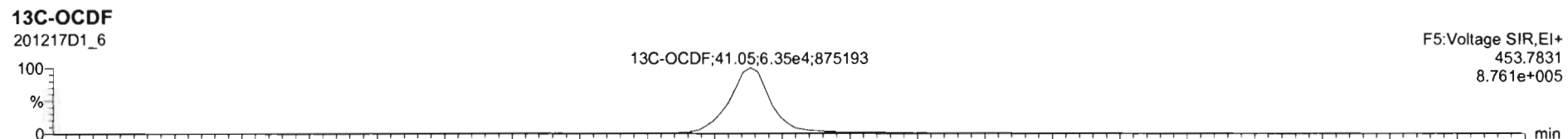
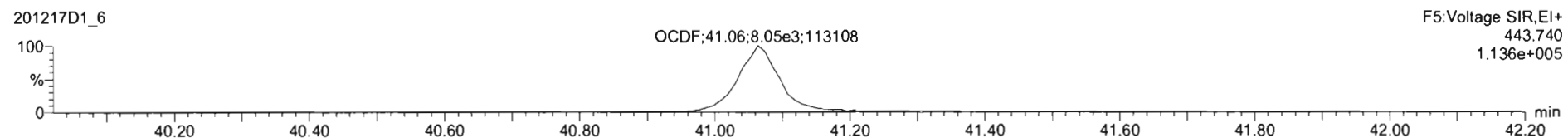
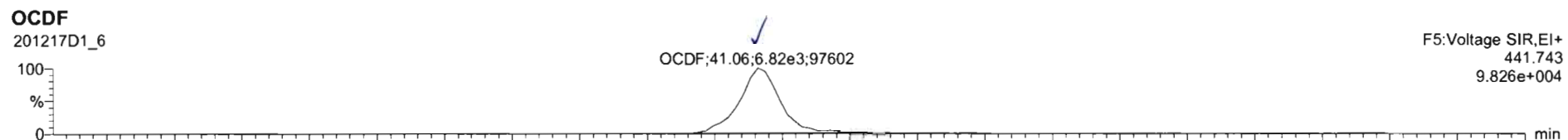
201217D1\_6 - BOL0042-DUP2 Duplicate 22.86 - Duplicate



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Friday, December 18, 2020 09:40:38 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:00 Pacific Standard Time

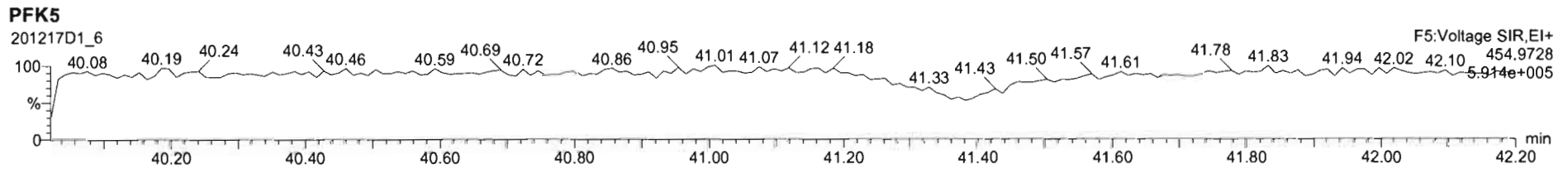
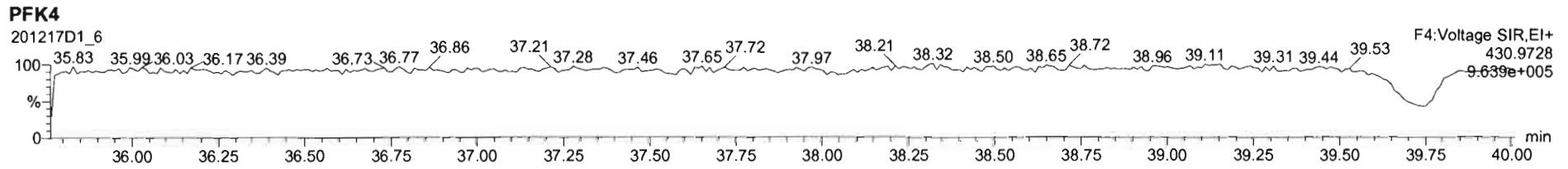
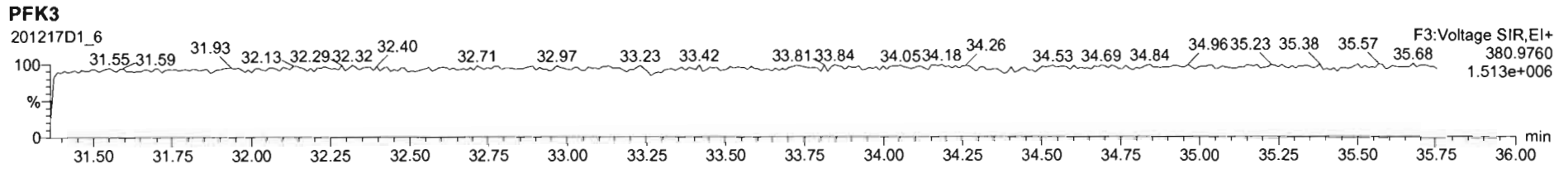
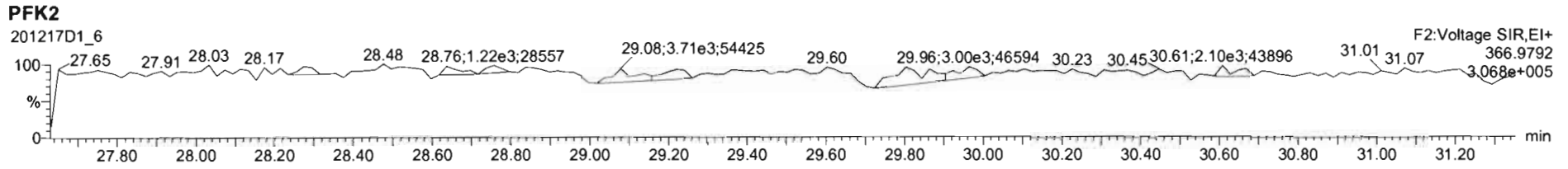
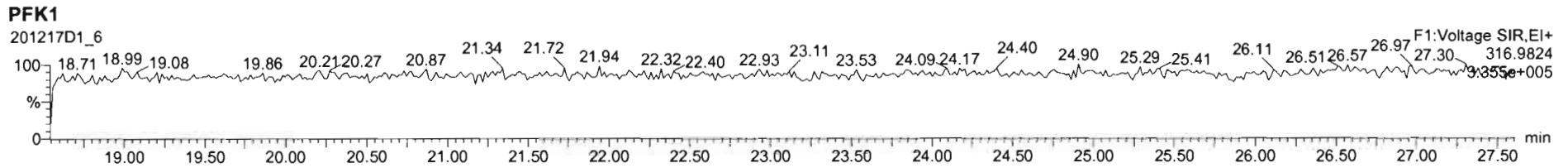
Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_6.qld

Last Altered: Friday, December 18, 2020 09:40:38 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:00 Pacific Standard Time

Name: 201217D1\_6, Date: 17-Dec-2020, Time: 14:15:24, ID: B0L0042-DUP2 Duplicate 22.86, Description: Duplicate





Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_7.qld

Last Altered: Tuesday, December 22, 2020 10:57:46 Pacific Standard Time  
Printed: Tuesday, December 22, 2020 10:58:42 Pacific Standard Time

*DB 12/22/20*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

*mm 12/22/20*

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

#	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			NO	1.00	10.019	26.066		1.001				0.134	
2	2 1,2,3,7,8-PeCDD			NO	0.935	10.019	30.508		1.001				0.202	
3	3 1,2,3,4,7,8-HxCDD			NO	1.15	10.019	33.755		1.000				0.293	
4	4 1,2,3,6,7,8-HxCDD	5.80e2	1.42	NO	1.02	10.019	33.866	33.88	1.000	1.000	1.4070		0.315	1.41
5	5 1,2,3,7,8,9-HxCDD	2.40e2	1.31	NO	1.06	10.019	34.163	34.14	1.001	1.000	0.56023		0.295	0.560
6	6 1,2,3,4,6,7,8-HpCDD	9.37e3	1.03	NO	1.00	10.019	37.563	37.56	1.000	1.000	27.270		0.623	27.3
7	7 OCDD	5.04e4	0.87	NO	0.952	10.019	40.723	40.74	1.000	1.000	195.79		0.564	196
8	8 2,3,7,8-TCDF	5.83e2	0.89	YES	1.01	10.019	25.403	25.41	1.001	1.001	0.69725		0.142	0.651
9	9 1,2,3,7,8-PeCDF	4.16e2	1.21	YES	0.998	10.019	29.321	29.32	1.001	1.001	0.60296		0.151	0.543
10	10 2,3,4,7,8-PeCDF	3.19e2	2.09	YES	1.07	10.019	30.336	30.33	1.001	1.001	0.44846		0.157	0.370
11	11 1,2,3,4,7,8-HxCDF	5.34e2	1.23	NO	1.05	10.019	32.834	32.86	1.000	1.001	0.98285		0.153	0.983
12	12 1,2,3,6,7,8-HxCDF	1.48e2	1.21	NO	1.10	10.019	32.976	32.98	1.000	1.000	0.26410		0.149	0.264
13	13 2,3,4,6,7,8-HxCDF	1.12e2	1.11	NO	1.09	10.019	33.669	33.68	1.001	1.001	0.20817		0.165	0.208
14	14 1,2,3,7,8,9-HxCDF			NO	1.08	10.019	34.634		1.000				0.205	
15	15 1,2,3,4,6,7,8-HpCDF	1.31e3	1.13	NO	1.13	10.019	36.250	36.22	1.001	1.000	3.0412		0.231	3.04
16	16 1,2,3,4,7,8,9-HpCDF	1.26e2	1.55	YES	1.29	10.019	38.211	38.21	1.000	1.000	0.32934		0.215	0.264
17	17 OCDF	1.63e3	0.95	NO	0.953	10.019	41.053	41.05	1.000	1.000	5.3520		0.220	5.35
18	18 13C-2,3,7,8-TCDD	1.23e5	0.78	NO	1.17	10.019	25.959	26.03	1.026	1.029	195.37	97.9	0.886	
19	19 13C-1,2,3,7,8-PeCDD	9.24e4	0.65	NO	0.914	10.019	30.510	30.49	1.206	1.205	187.76	94.1	0.397	
20	20 13C-1,2,3,4,7,8-HxCDD	7.29e4	1.29	NO	0.634	10.019	33.750	33.74	1.014	1.014	229.52	115	0.993	
21	21 13C-1,2,3,6,7,8-HxCDD	8.03e4	1.27	NO	0.724	10.019	33.860	33.87	1.017	1.017	221.30	111	0.869	
22	22 13C-1,2,3,7,8,9-HxCDD	8.07e4	1.25	NO	0.716	10.019	34.129	34.13	1.025	1.025	224.90	113	0.879	
23	23 13C-1,2,3,4,6,7,8-HpCDD	6.85e4	1.05	NO	0.660	10.019	37.578	37.55	1.129	1.128	206.90	104	1.62	
24	24 13C-OCDD	1.08e5	0.85	NO	0.587	10.019	40.587	40.72	1.219	1.224	367.47	92.0	0.617	
25	25 13C-2,3,7,8-TCDF	1.65e5	0.77	NO	1.02	10.019	25.359	25.38	1.002	1.003	202.55	101	0.752	
26	26 13C-1,2,3,7,8-PeCDF	1.38e5	1.68	NO	0.842	10.019	29.240	29.30	1.156	1.158	205.79	103	0.724	
27	27 13C-2,3,4,7,8-PeCDF	1.32e5	1.58	NO	0.802	10.019	30.133	30.31	1.191	1.198	207.05	104	0.761	
28	28 13C-1,2,3,4,7,8-HxCDF	1.03e5	0.49	NO	1.00	10.019	32.885	32.83	0.988	0.986	205.30	103	0.824	
29	29 13C-1,2,3,6,7,8-HxCDF	1.02e5	0.51	NO	1.02	10.019	33.018	32.97	0.992	0.990	199.76	100	0.811	
30	30 13C-2,3,4,6,7,8-HxCDF	9.86e4	0.49	NO	0.955	10.019	33.587	33.63	1.009	1.011	205.99	103	0.865	
31	31 13C-1,2,3,7,8,9-HxCDF	8.99e4	0.50	NO	0.851	10.019	34.662	34.63	1.041	1.041	210.78	106	0.971	

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_7.qld

Last Altered: Tuesday, December 22, 2020 10:57:46 Pacific Standard Time  
Printed: Tuesday, December 22, 2020 10:58:42 Pacific Standard Time

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

#	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	7.58e4	0.43	NO	0.848	10.019	36.180	36.21	1.087	1.088	178.25	89.3	1.21	
33	13C-1,2,3,4,7,8,9-HpCDF	5.93e4	0.42	NO	0.624	10.019	38.177	38.21	1.147	1.148	189.50	94.9	1.64	
34	13C-OCDF	1.28e5	0.88	NO	0.730	10.019	40.740	41.05	1.224	1.233	349.11	87.4	0.795	
35	37Cl-2,3,7,8-TCDD	4.69e4			1.21	10.019	25.956	26.05	1.026	1.030	72.193	90.4	0.103	
36	13C-1,2,3,4-TCDD	1.07e5	0.78	NO	1.00	10.019	25.300	25.30	1.000	1.000	199.61	100	1.04	
37	13C-1,2,3,4-TCDF	1.59e5	0.76	NO	1.00	10.019	23.880	23.90	1.000	1.000	199.61	100	0.768	
38	13C-1,2,3,4,6,9-HxCDF	1.00e5	0.50	NO	1.00	10.019	33.310	33.28	1.000	1.000	199.61	100	0.826	
39	Total Tetra-Dioxins				1.00	10.019	24.620		0.000				0.0746	
40	Total Penta-Dioxins				0.935	10.019	29.960		0.000				0.0907	
41	Total Hexa-Dioxins				1.02	10.019	33.635		0.000		4.2496		0.316	6.79
42	Total Hepta-Dioxins				1.00	10.019	37.640		0.000		58.571		0.623	58.6
43	Total Tetra-Furans				1.01	10.019	23.610		0.000		0.45066		0.142	1.46
44	1st Func. Penta-Furans				0.998	10.019	26.750		0.000		0.66696		0.0507	0.667
45	Total Penta-Furans				0.998	10.019	29.275		0.000		0.23266		0.160	1.63
46	Total Hexa-Furans				1.09	10.019	33.555		0.000		5.7454		0.166	5.75
47	Total Hepta-Furans				1.13	10.019	37.835		0.000		8.9295		0.237	9.19

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_7.qld

Last Altered: Tuesday, December 22, 2020 10:57:46 Pacific Standard Time

Printed: Tuesday, December 22, 2020 10:58:42 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.11	8.831e3	7.154e3	4.535e2	3.629e2	1.25	NO	8.165e2	2.0423	2.0423	0.316
2	Total Hexa-Dioxins	32.71	1.484e3	9.880e2	5.358e1	4.242e1	1.26	NO	9.599e1	0.24011	0.24011	0.316
3	Total Hexa-Dioxins	32.98	2.031e4	9.238e3	7.937e2	4.536e2	1.75	YES	0.000e0	0.00000	2.5417	0.316
4	1,2,3,6,7,8-HxCDD	33.88	5.633e3	3.611e3	3.397e2	2.399e2	1.42	NO	5.796e2	1.4070	1.4070	0.315
5	1,2,3,7,8,9-HxCDD	34.14	2.140e3	1.594e3	1.363e2	1.039e2	1.31	NO	2.402e2	0.56023	0.56023	0.295

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.61	7.157e4	7.556e4	5.451e3	5.301e3	1.03	NO	1.075e4	31.301	31.301	0.623
2	1,2,3,4,6,7,8-HpCDD	37.56	8.376e4	8.200e4	4.746e3	4.621e3	1.03	NO	9.368e3	27.270	27.270	0.623

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.65	9.590e2	1.314e3	5.929e1	1.036e2	0.57	YES	0.000e0	0.00000	0.16300	0.142
2	Total Tetra-Furans	24.44	3.258e3	3.206e3	1.568e2	2.200e2	0.71	NO	3.768e2	0.45066	0.45066	0.142
3	Total Tetra-Furans	25.33	2.009e3	1.737e3	1.144e2	9.193e1	1.24	YES	0.000e0	0.00000	0.19459	0.142
4	2,3,7,8-TCDF	25.41	3.958e3	5.595e3	2.754e2	3.077e2	0.89	YES	5.830e2	0.00000	0.65128	0.142

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_7.qld

Last Altered: Tuesday, December 22, 2020 10:57:46 Pacific Standard Time  
Printed: Tuesday, December 22, 2020 10:58:42 Pacific Standard Time

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.82	6.459e3	2.920e3	2.742e2	1.759e2	1.56	NO	4.501e2	0.66696	0.66696	0.0507

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.37	3.501e3	2.979e3	2.003e2	1.718e2	1.17	YES	0.000e0	0.00000	0.48842	0.160
2	1,2,3,7,8-PeCDF	29.32	5.381e3	3.631e3	2.276e2	1.881e2	1.21	YES	4.156e2	0.00000	0.54314	0.151
3	Total Penta-Furans	29.54	2.344e3	1.234e3	9.404e1	6.296e1	1.49	NO	1.570e2	0.23266	0.23266	0.160
4	2,3,4,7,8-PeCDF	30.33	4.418e3	1.998e3	2.157e2	1.031e2	2.09	YES	3.188e2	0.00000	0.36981	0.157

**Hexa-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.60	3.525e3	2.801e3	1.589e2	1.316e2	1.21	NO	2.905e2	0.54188	0.54188	0.166
2	Total Hexa-Furans	31.76	9.995e3	7.799e3	4.461e2	3.797e2	1.18	NO	8.258e2	1.5402	1.5402	0.166
3	Total Hexa-Furans	32.38	1.236e4	9.164e3	6.859e2	4.980e2	1.38	NO	1.184e3	2.2081	2.2081	0.166
4	1,2,3,4,7,8-HxCDF	32.86	5.443e3	4.828e3	2.942e2	2.400e2	1.23	NO	5.342e2	0.98285	0.98285	0.153
5	1,2,3,6,7,8-HxCDF	32.98	1.953e3	1.632e3	8.119e1	6.718e1	1.21	NO	1.484e2	0.26410	0.26410	0.149
6	2,3,4,6,7,8-HxCDF	33.68	1.058e3	9.180e2	5.877e1	5.304e1	1.11	NO	1.118e2	0.20817	0.20817	0.165

**Hepta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.22	9.087e3	8.759e3	6.915e2	6.140e2	1.13	NO	1.306e3	3.0412	3.0412	0.231
2	Total Hepta-Furans	36.93	1.910e4	2.011e4	1.169e3	1.084e3	1.08	NO	2.253e3	5.8883	5.8883	0.237
3	1,2,3,4,7,8,9-HpCDF	38.21	1.525e3	1.087e3	7.643e1	4.935e1	1.55	YES	1.258e2	0.00000	0.26361	0.215

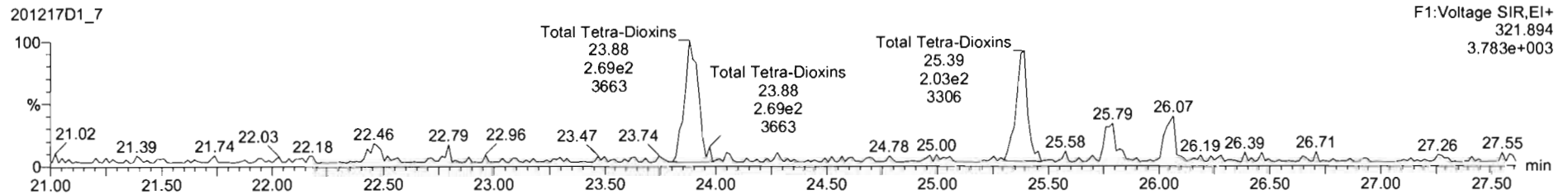
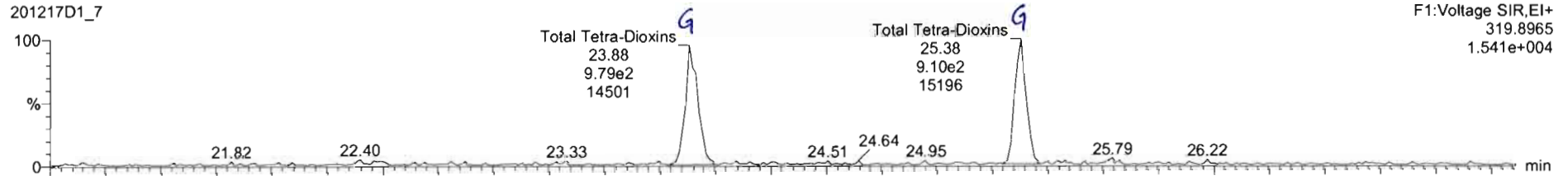
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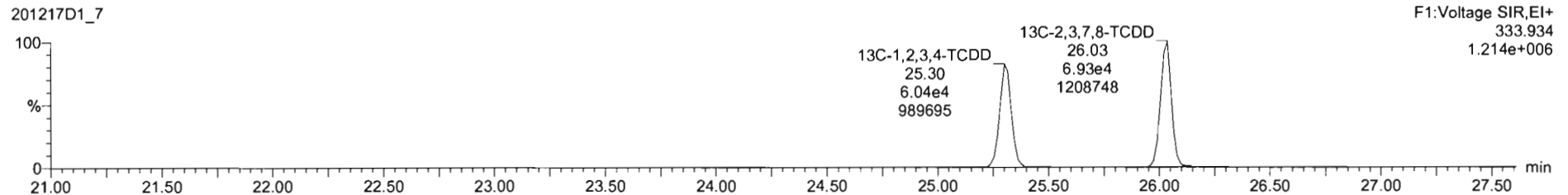
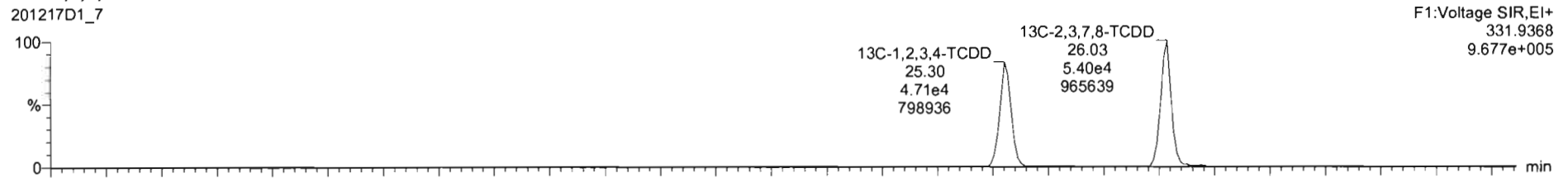
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Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

2,3,7,8-TCDD



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



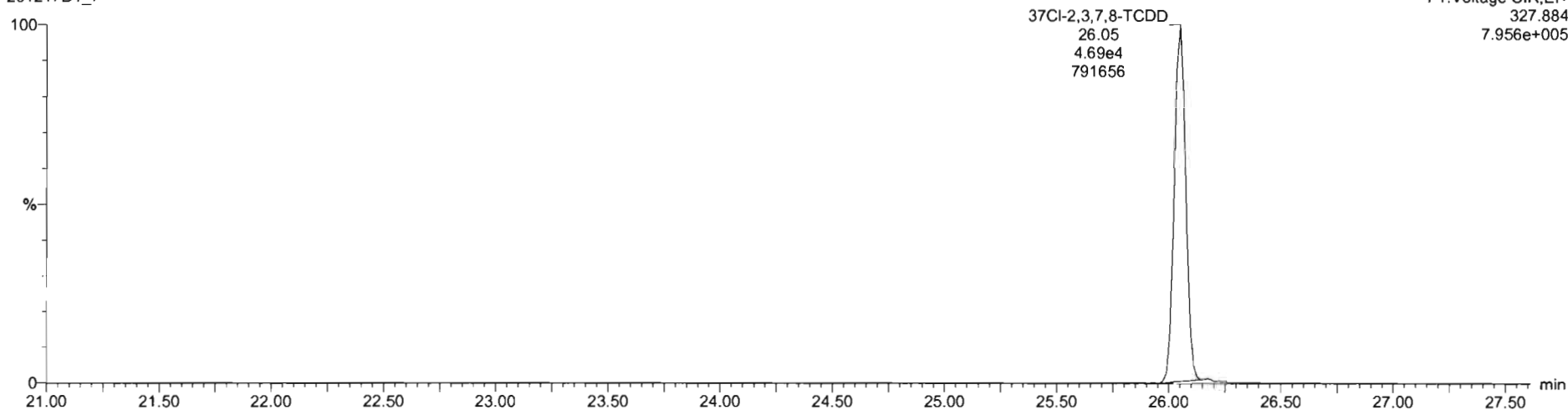
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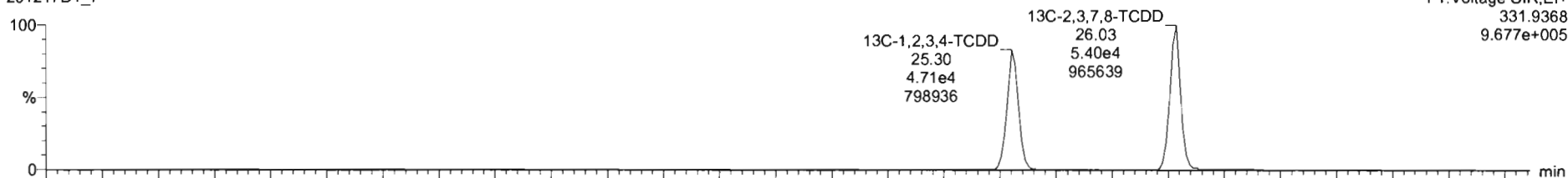
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201217D1\_7

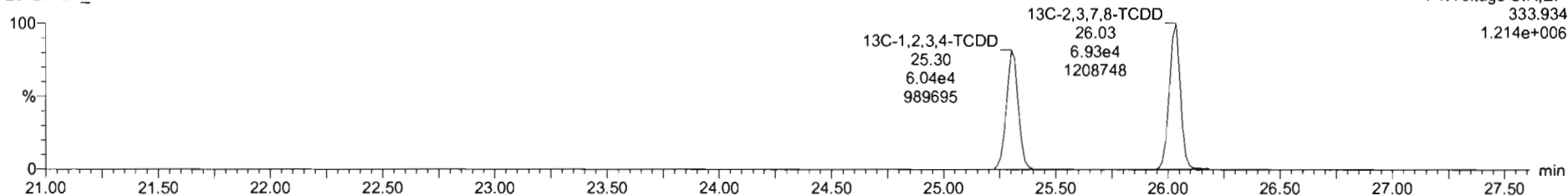


**13C-1,2,3,4-TCDD**

201217D1\_7



201217D1\_7



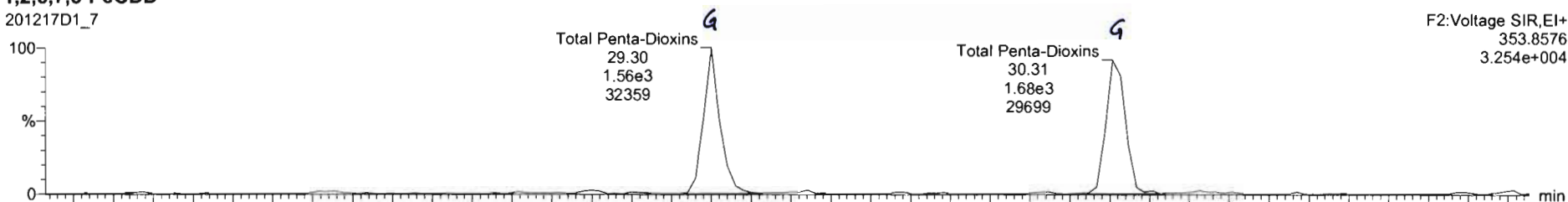
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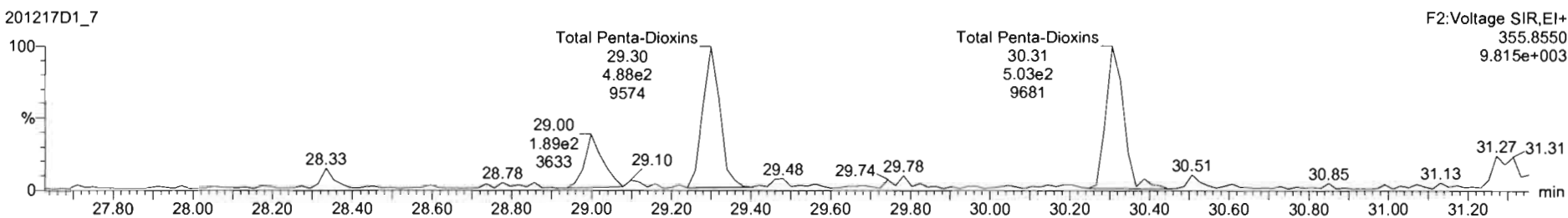
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1,2,3,7,8-PeCDD

201217D1\_7

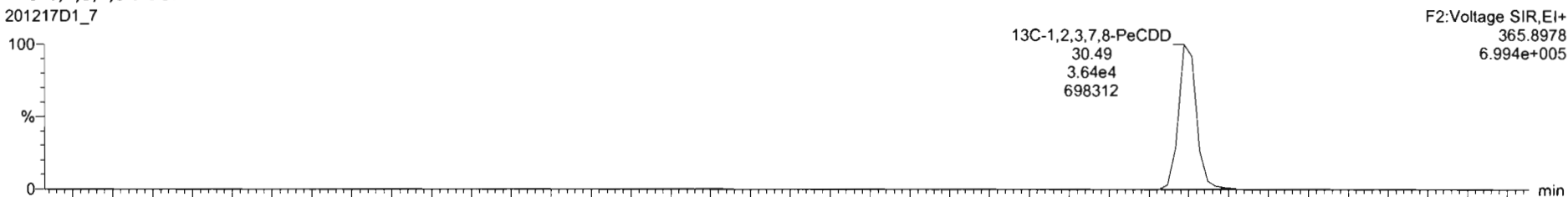


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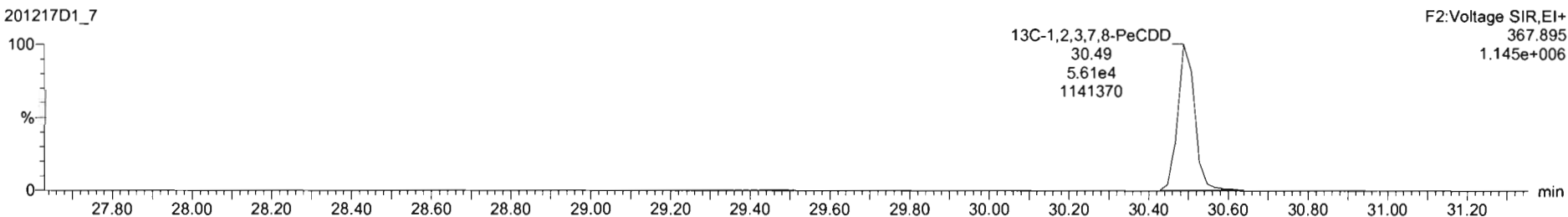


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201217D1\_7



201217D1\_7



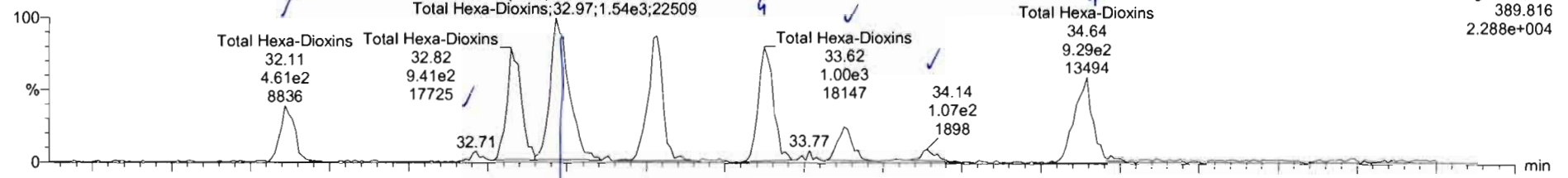
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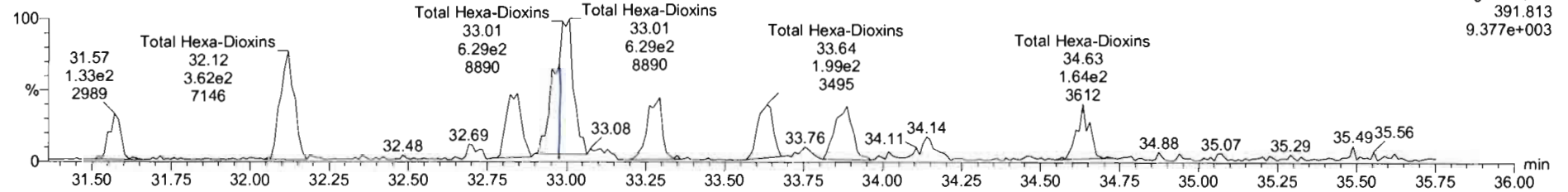
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1,2,3,4,7,8-HxCDD

201217D1\_7

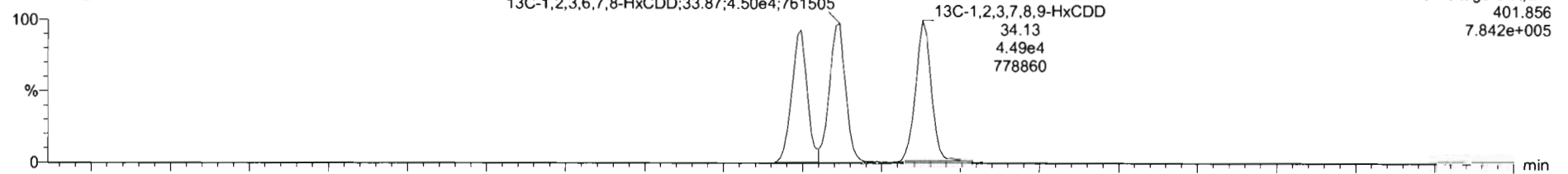


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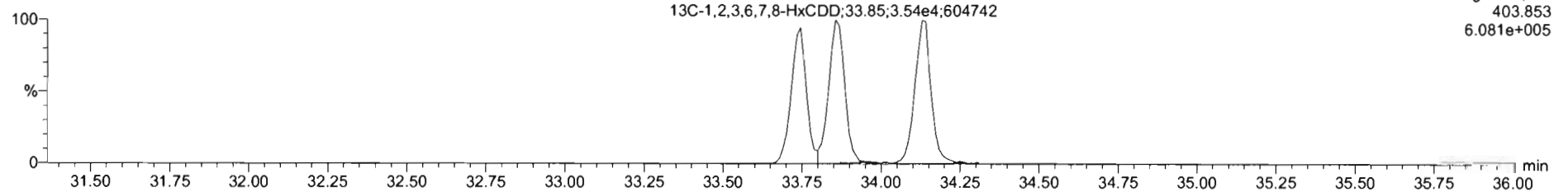


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201217D1\_7



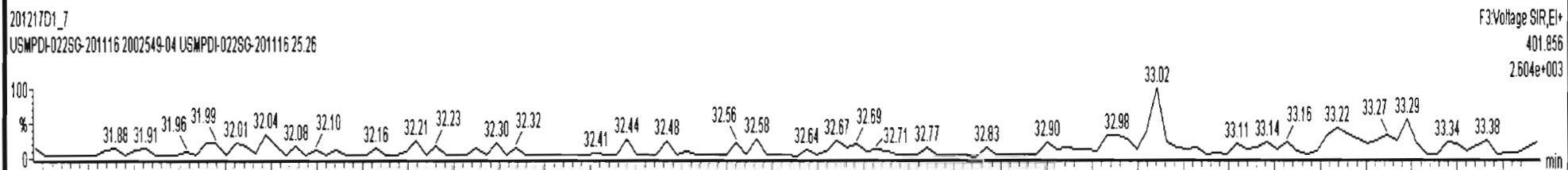
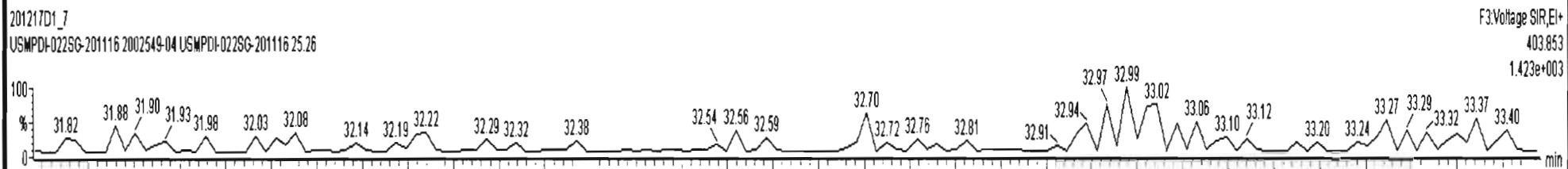
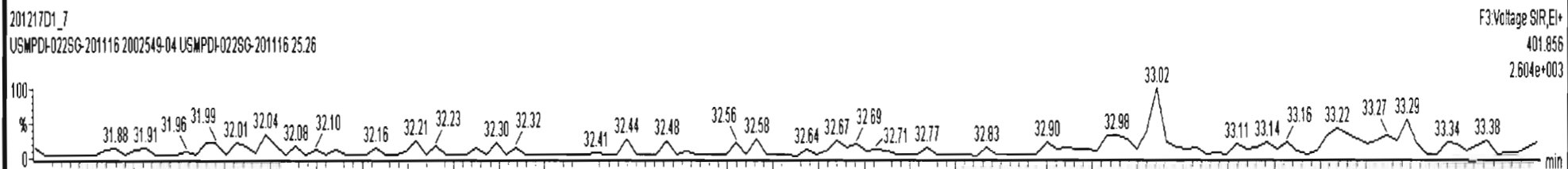
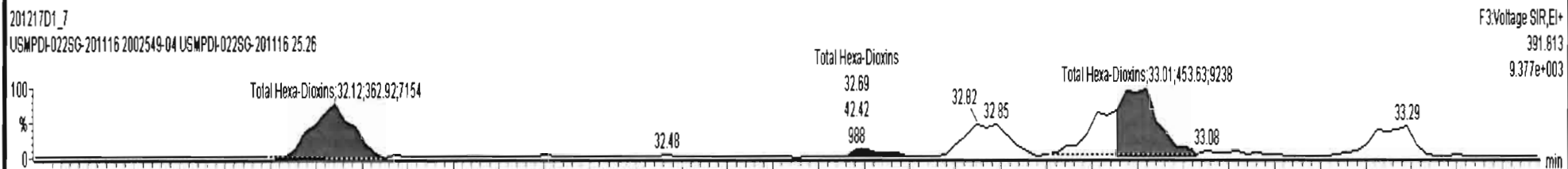
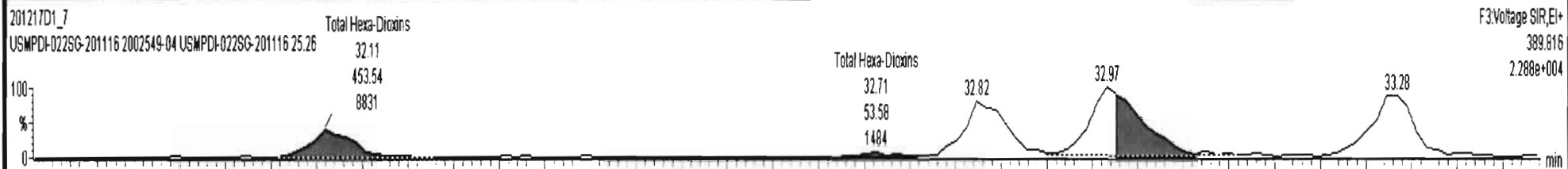
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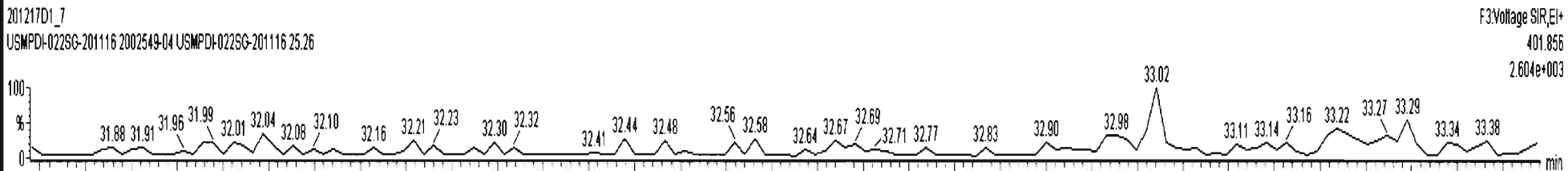
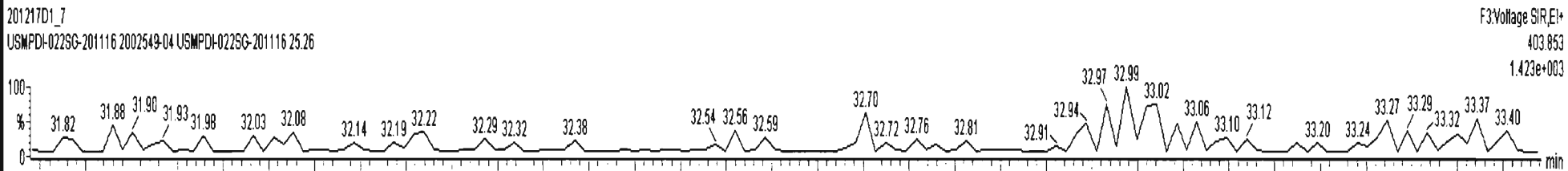
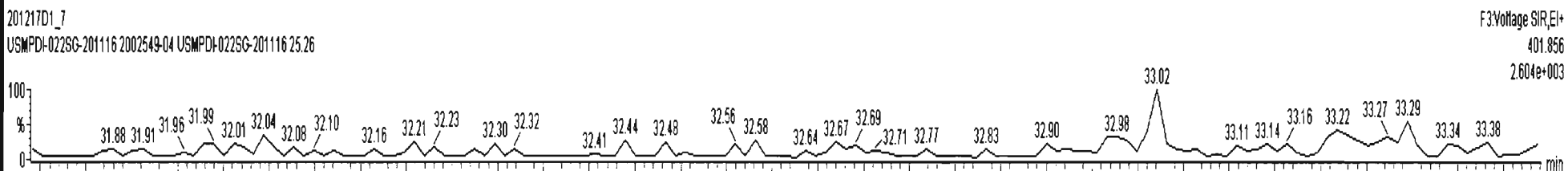
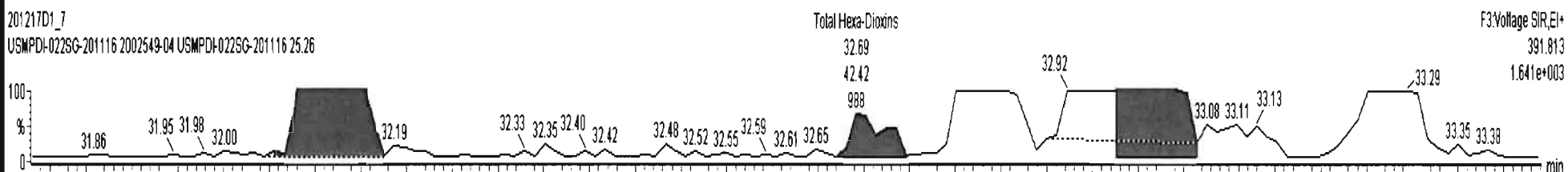
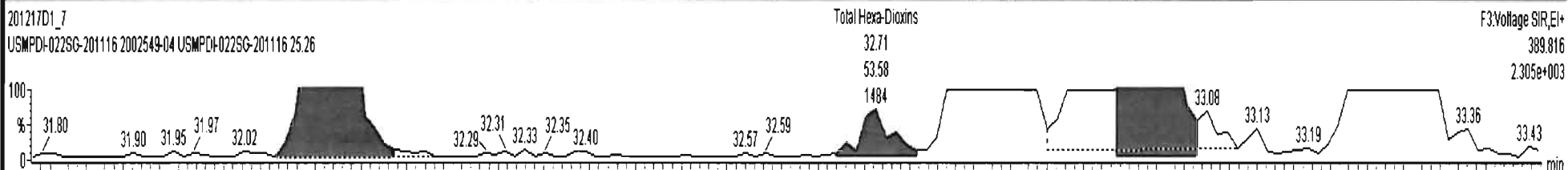




201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116

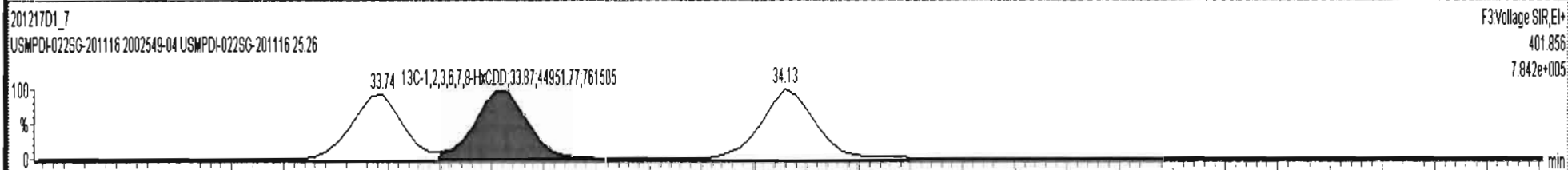
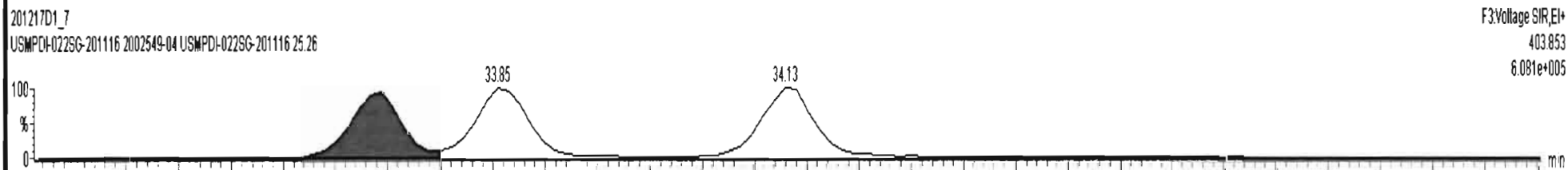
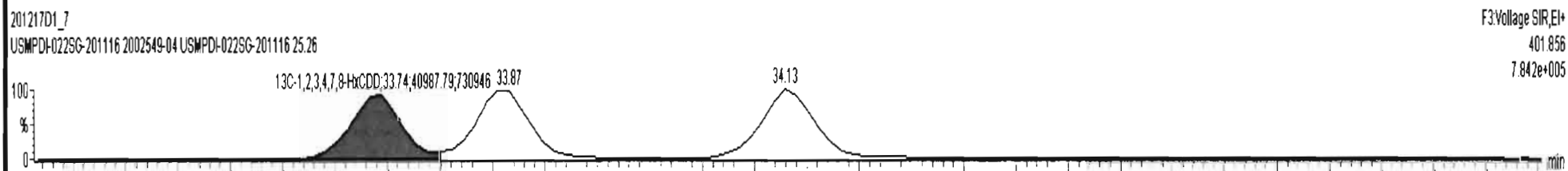
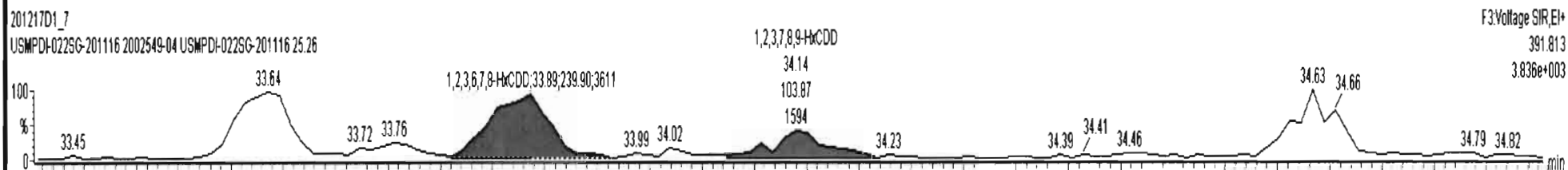
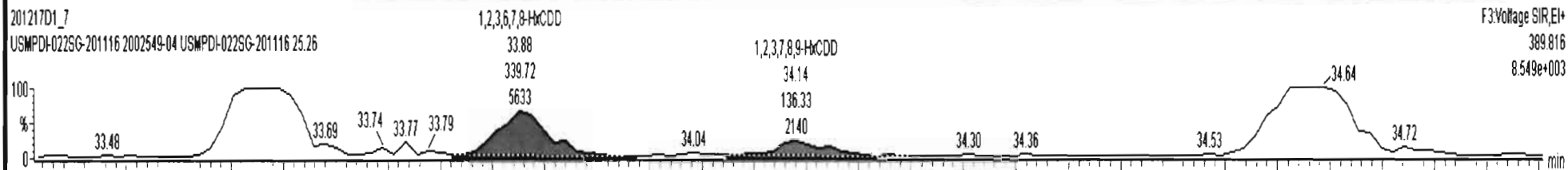


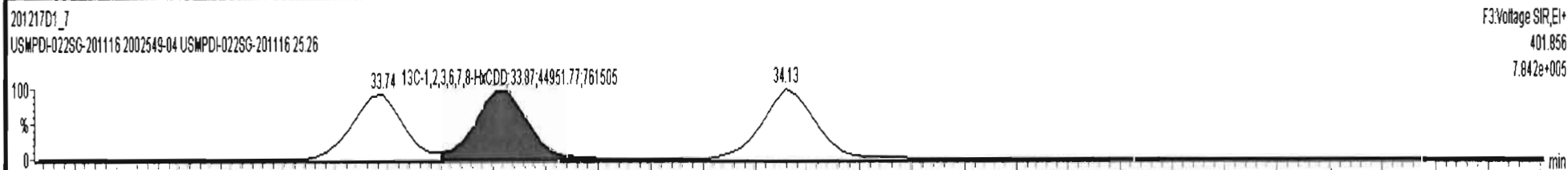
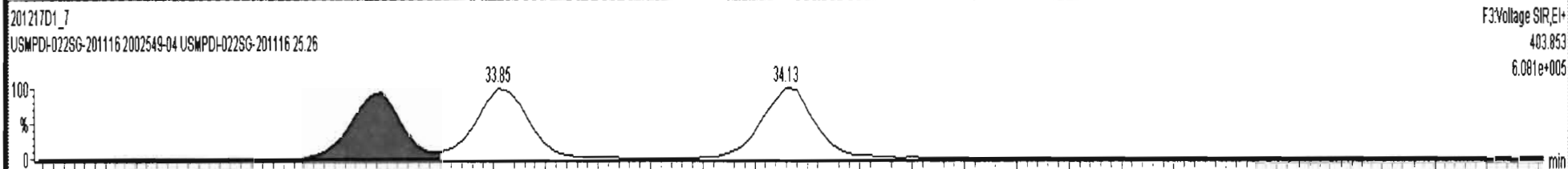
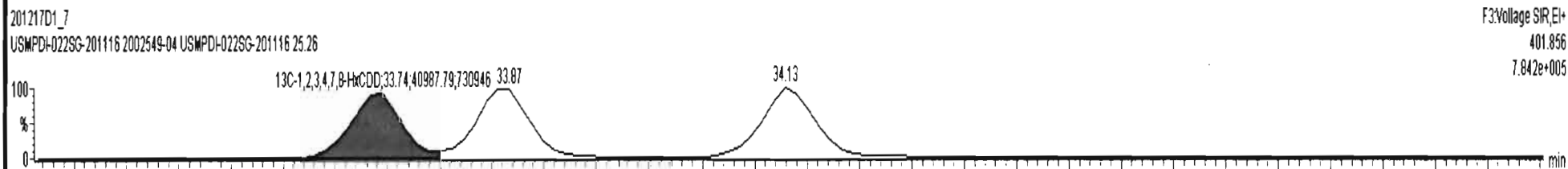
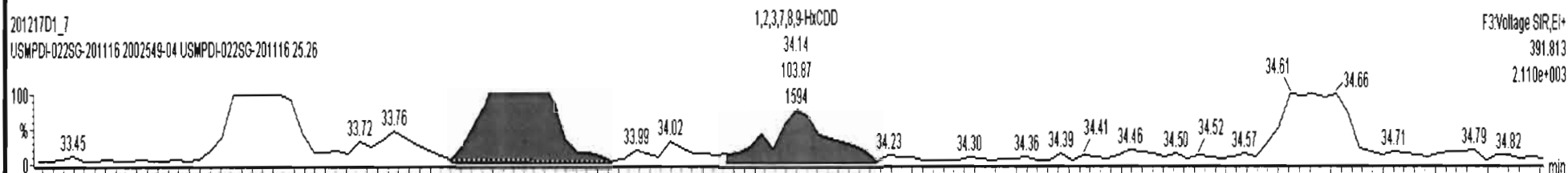
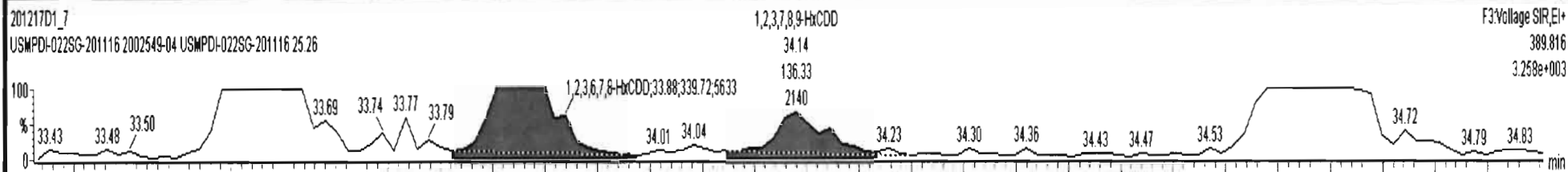
201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116





201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116





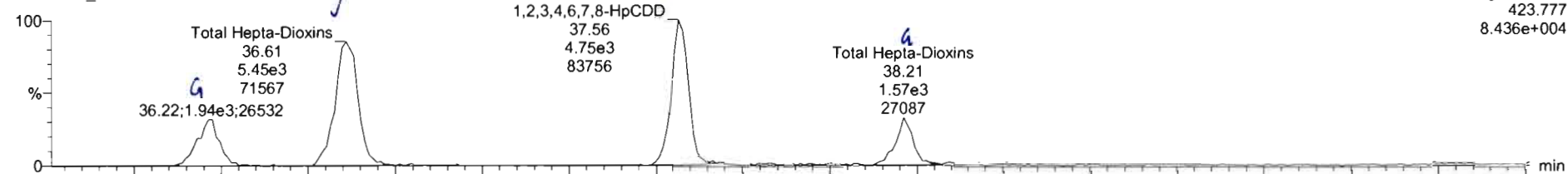
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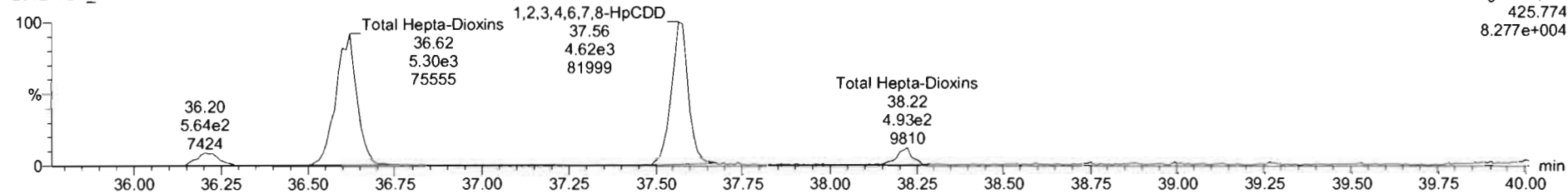
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1,2,3,4,6,7,8-HpCDD

201217D1\_7

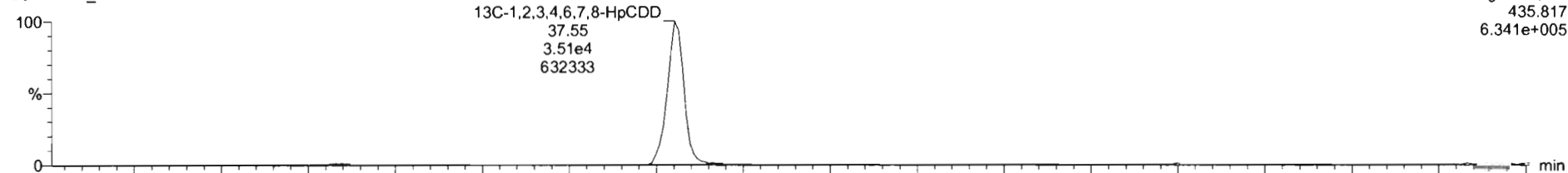


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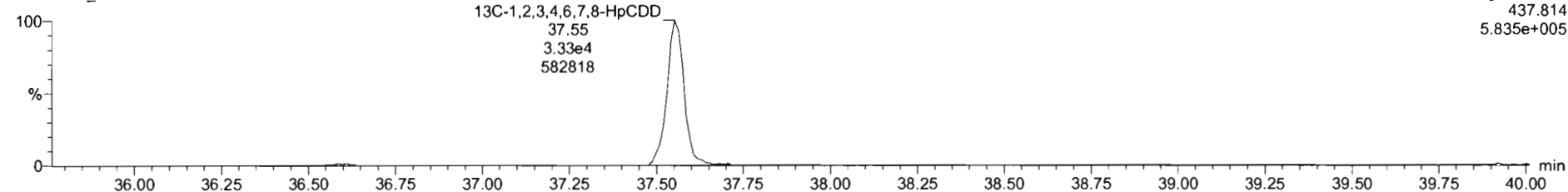


13C-1,2,3,4,6,7,8-HpCDD

201217D1\_7



201217D1\_7

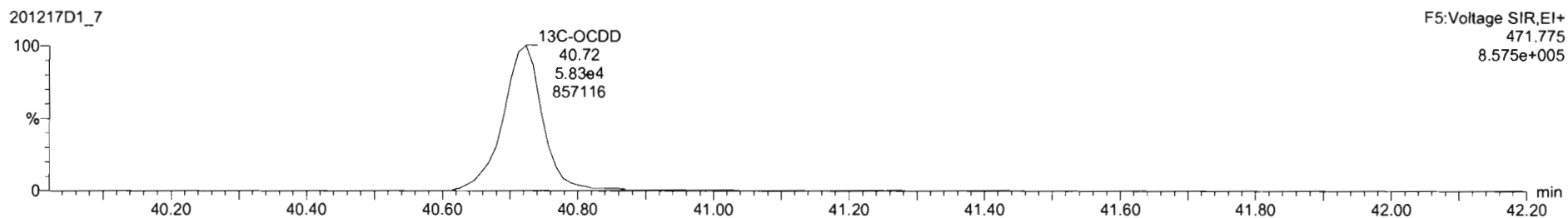
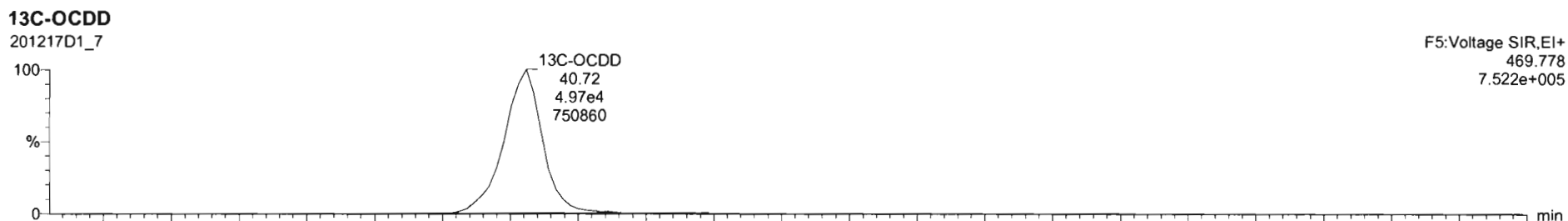
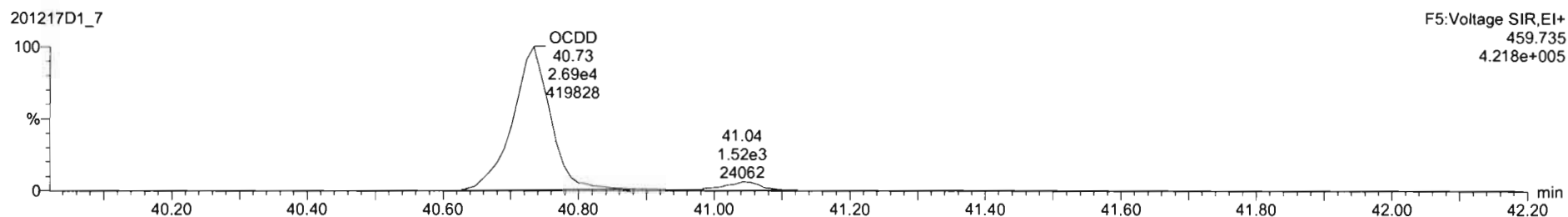
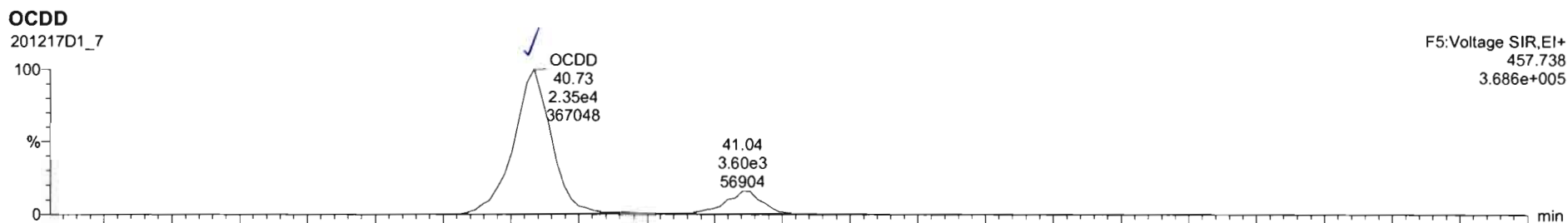


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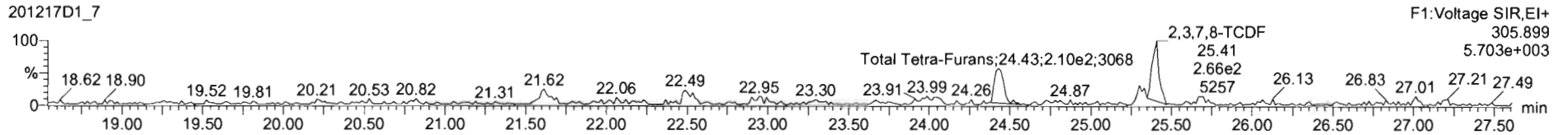
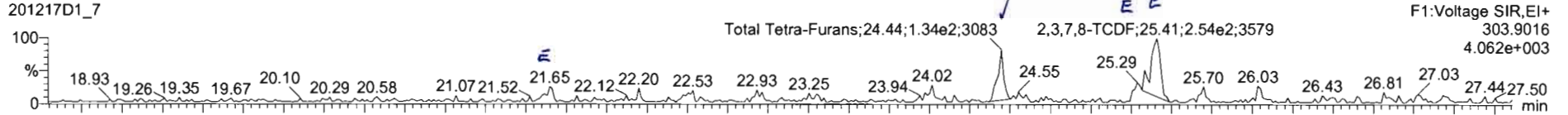


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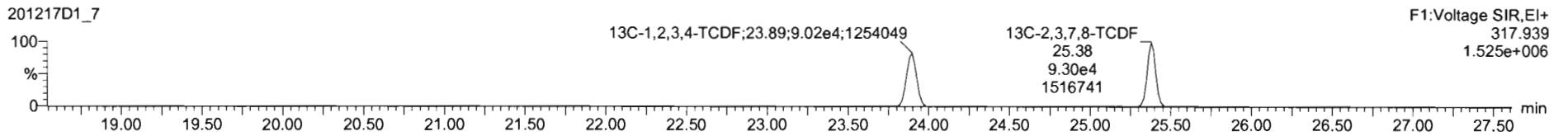
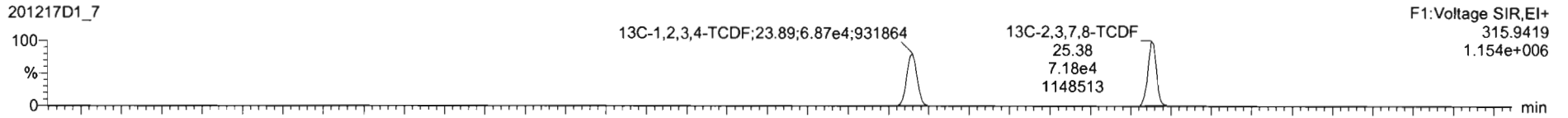
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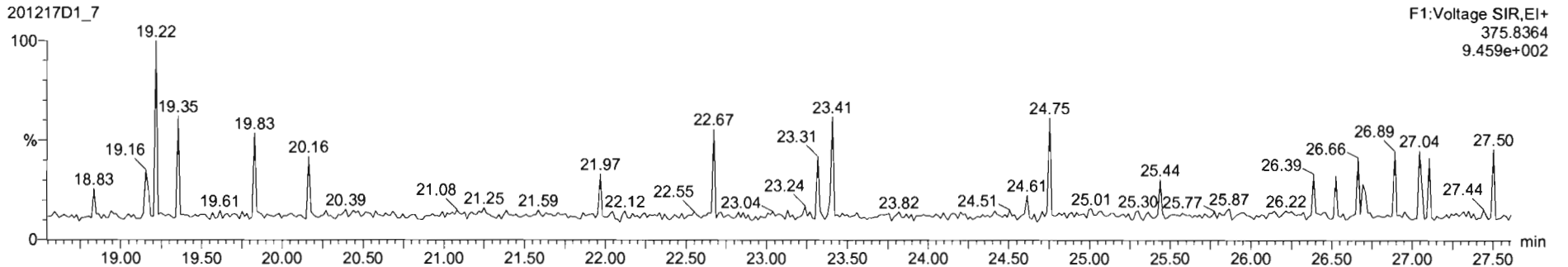
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**13C-2,3,7,8-TCDF**

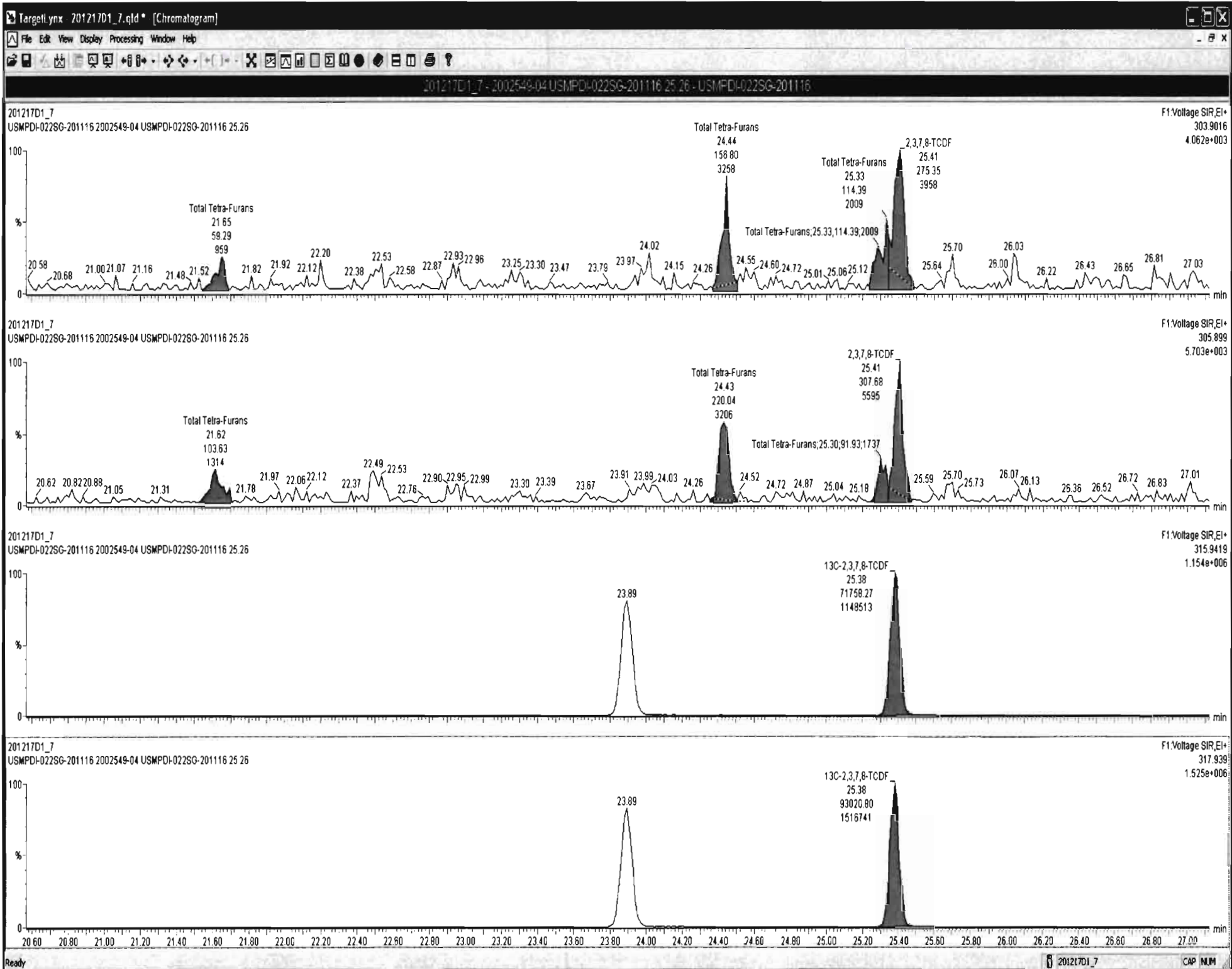


**DPE1**









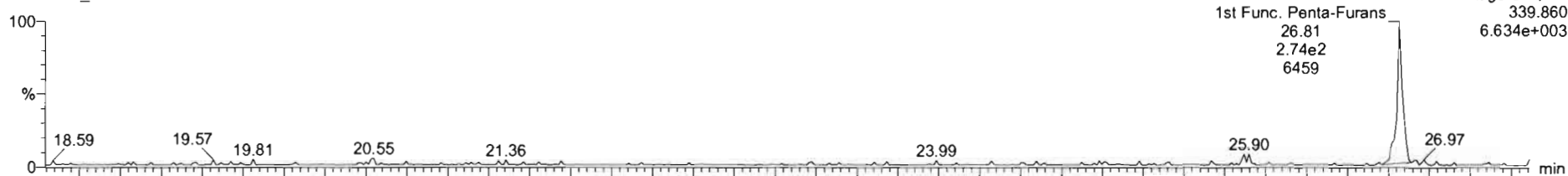
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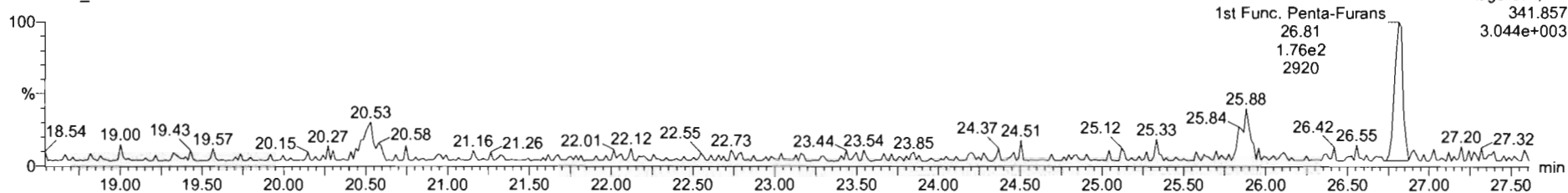
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1st Func. Penta-Furans

201217D1\_7

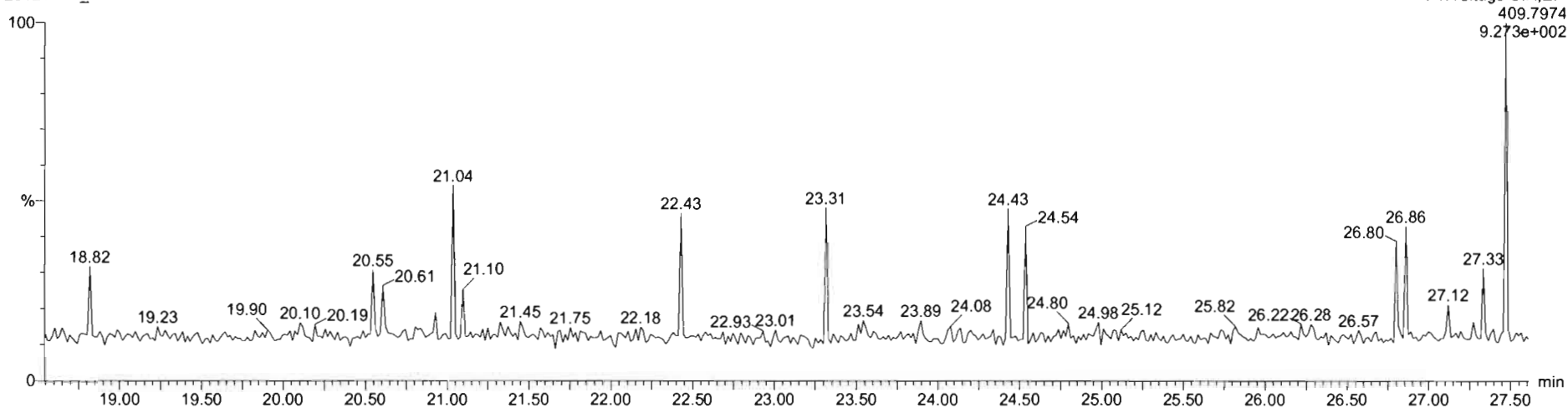


201217D1\_7



DPE6

201217D1\_7

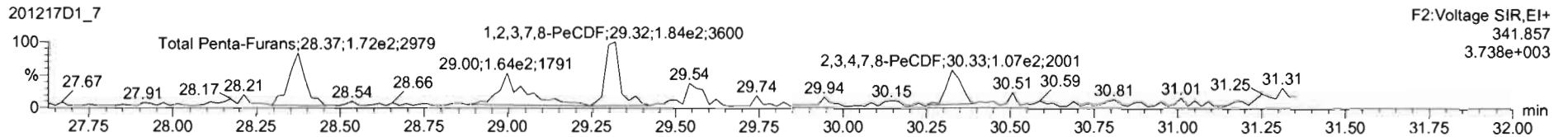
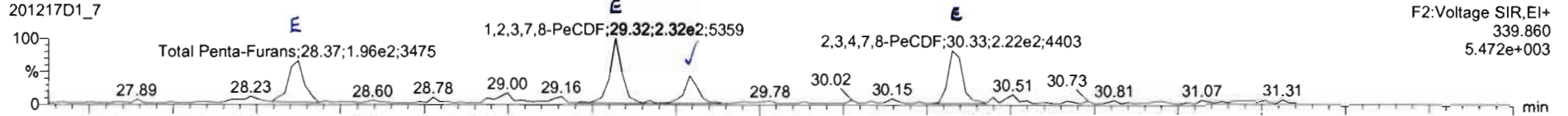


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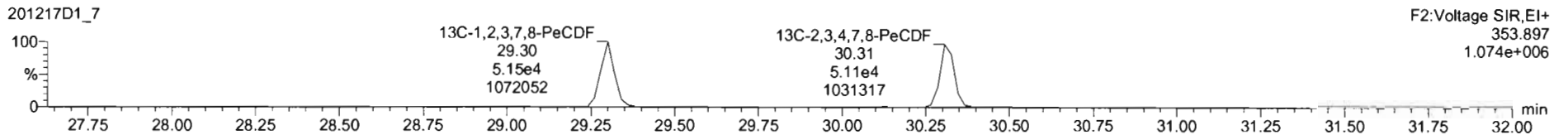
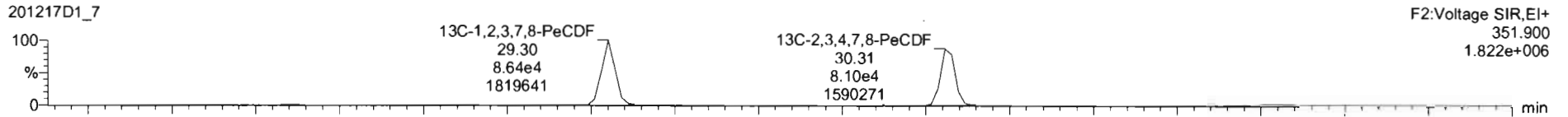
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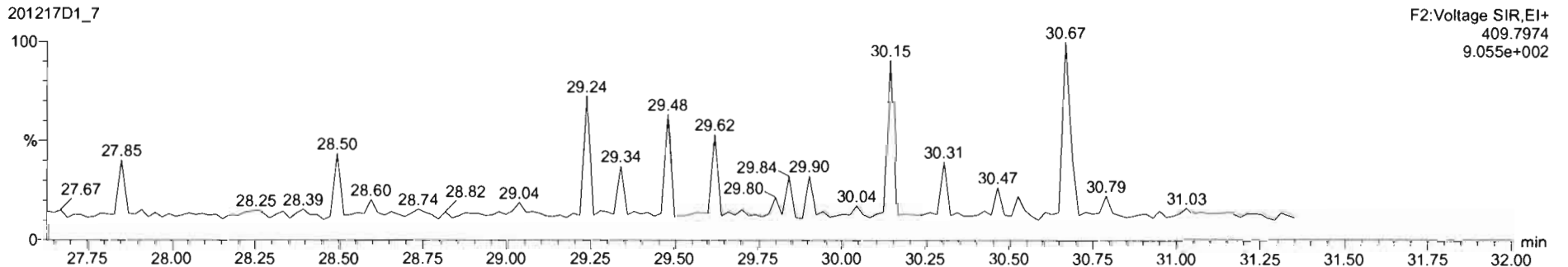
1,2,3,7,8-PeCDF

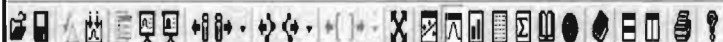


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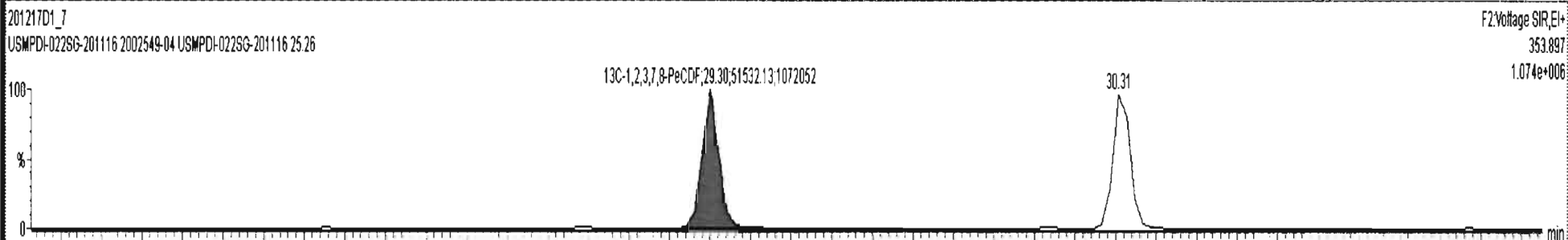
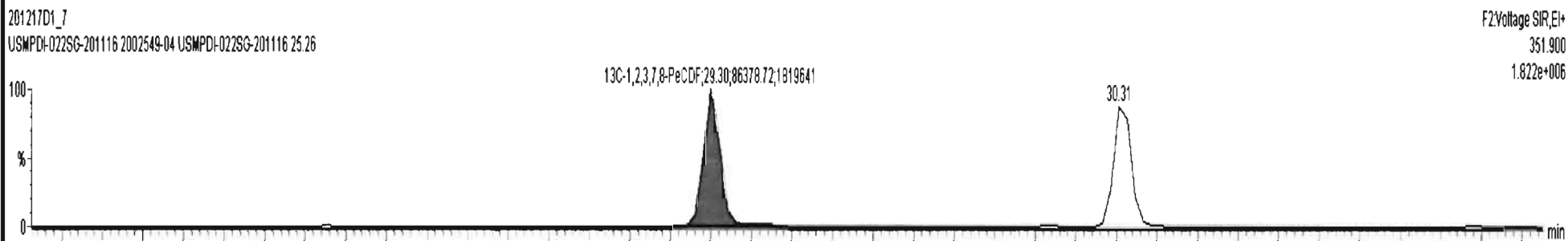
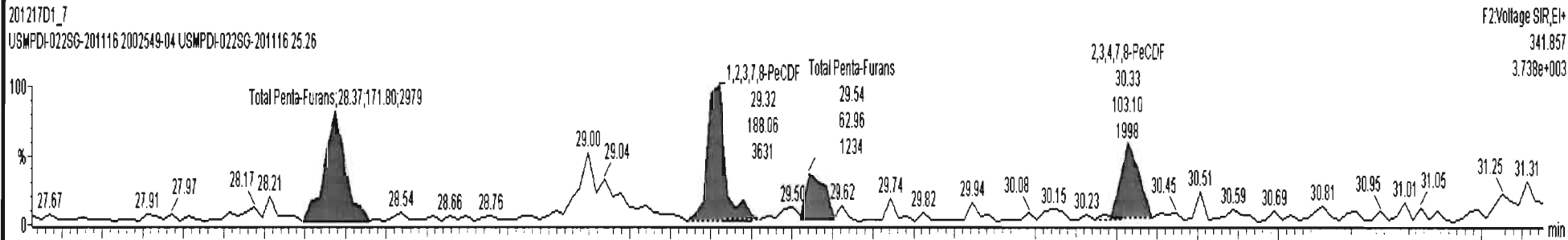
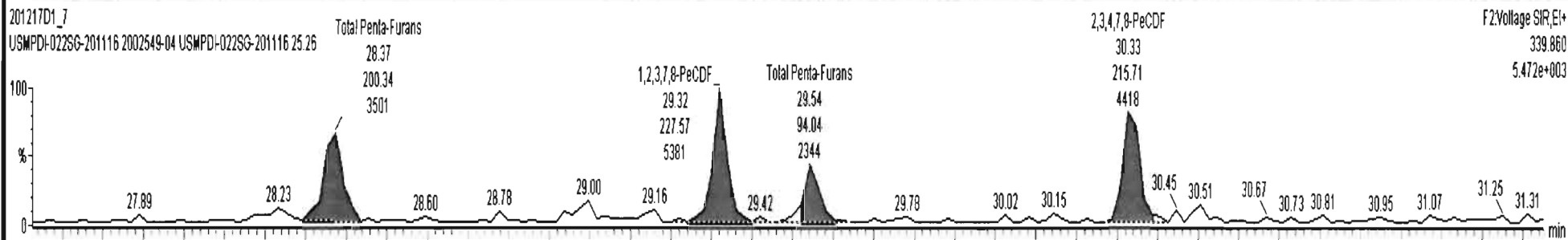


DPE2





201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116

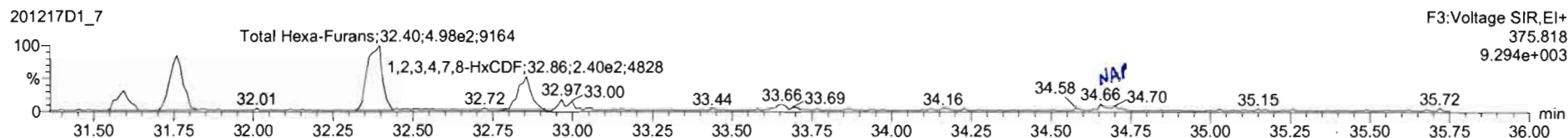
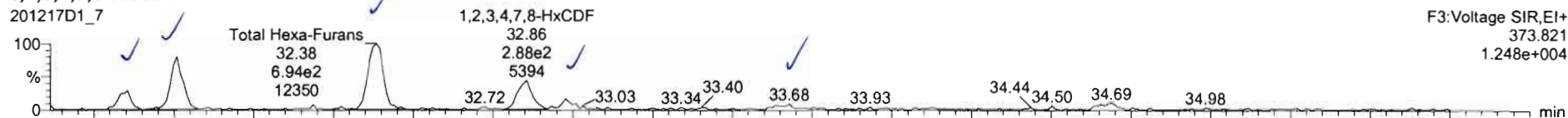


Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_7.qld

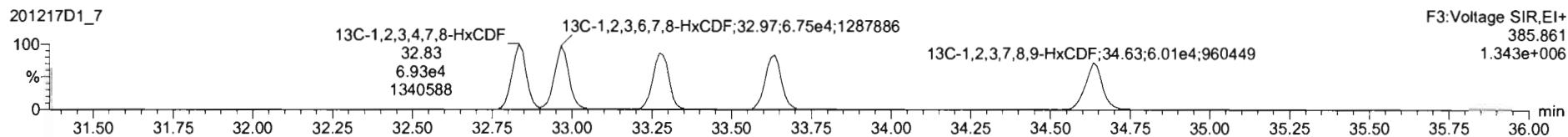
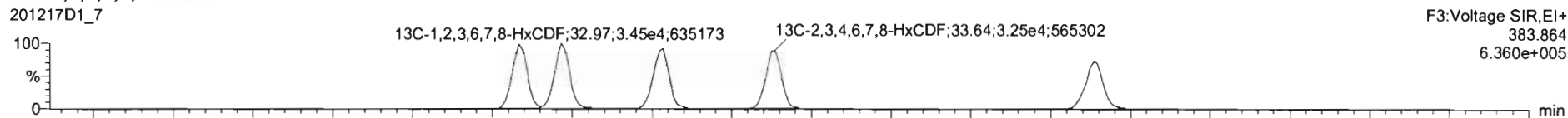
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Printed: Friday, December 18, 2020 09:41:28 Pacific Standard Time

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

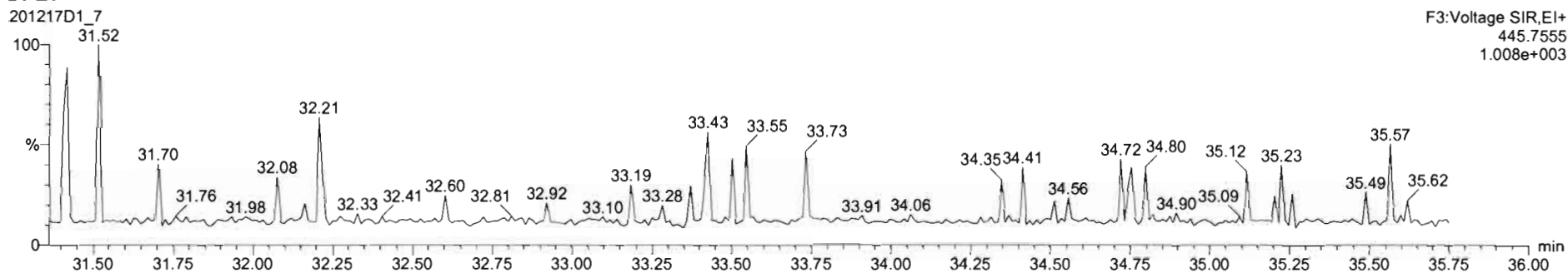
**1,2,3,4,7,8-HxCDF**

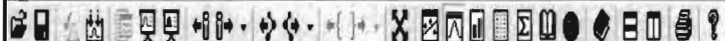


**13C-1,2,3,4,7,8-HxCDF**

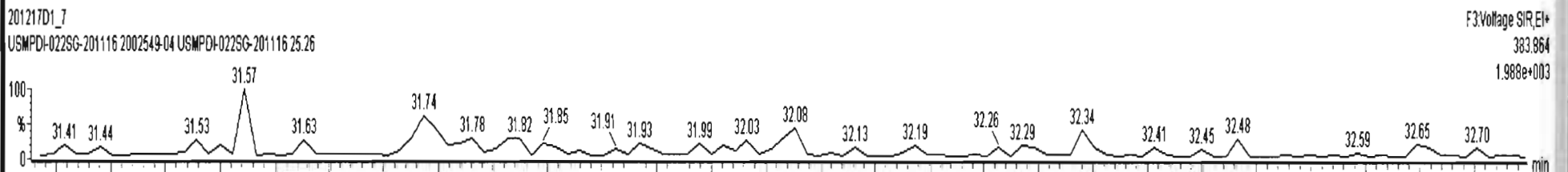
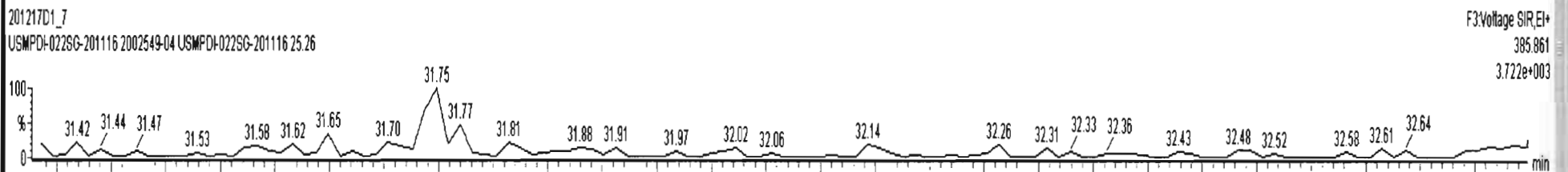
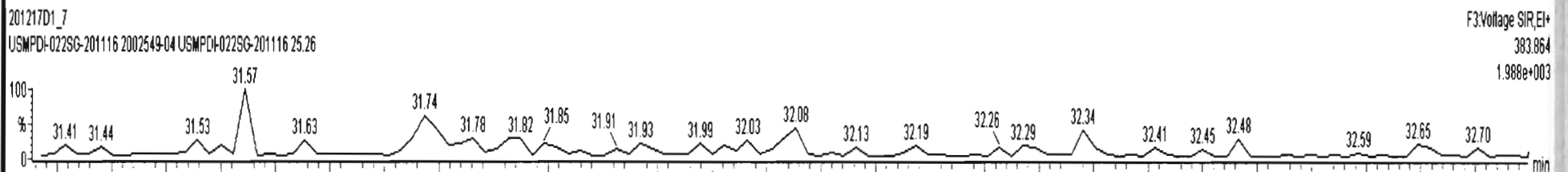
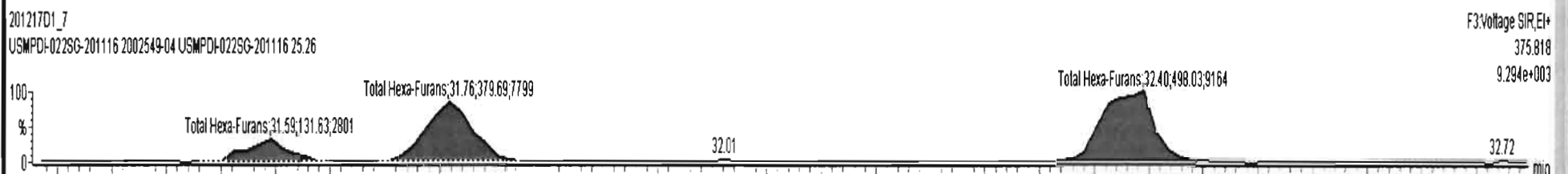
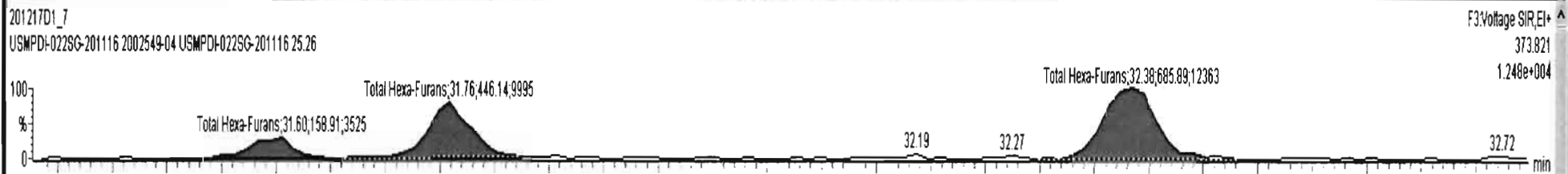


**DPE3**



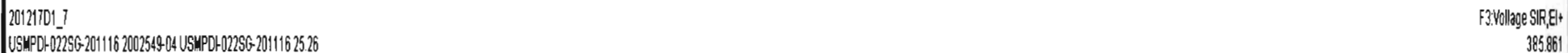
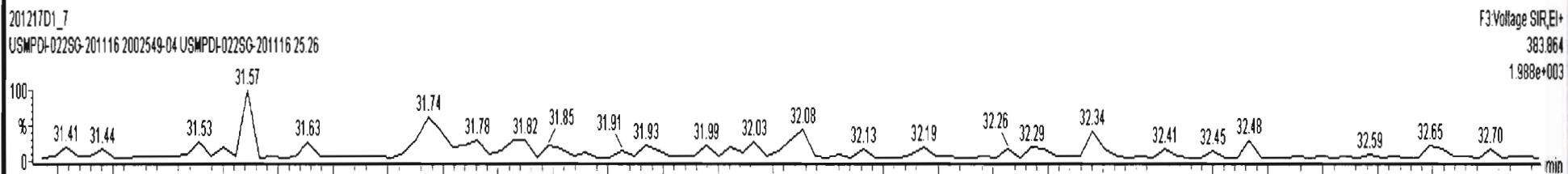
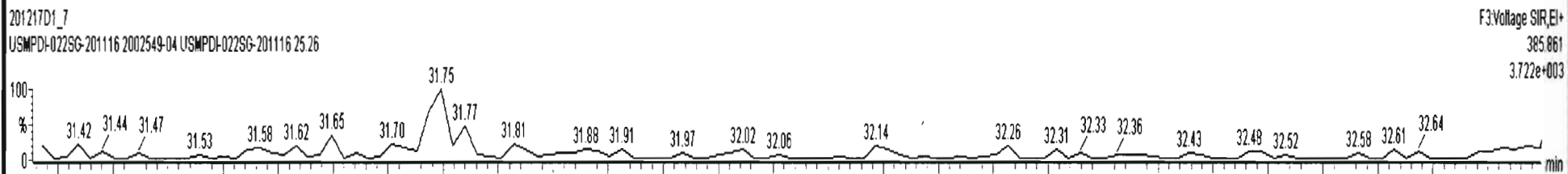
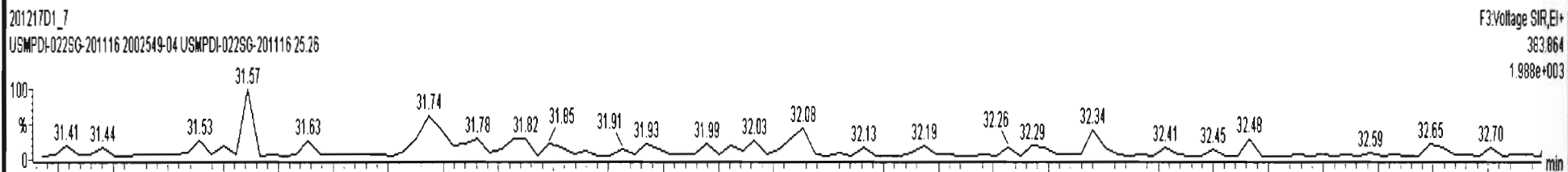
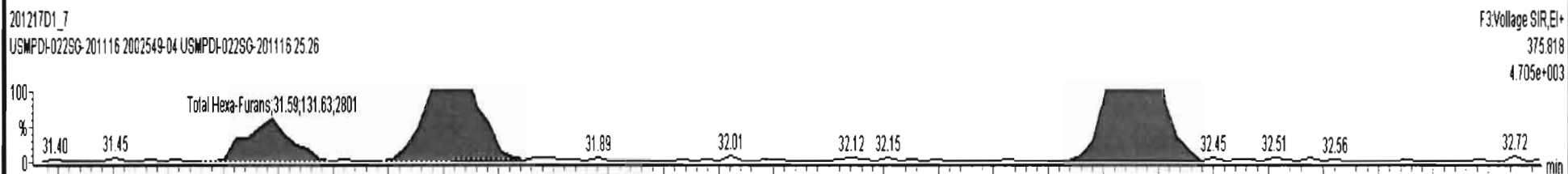
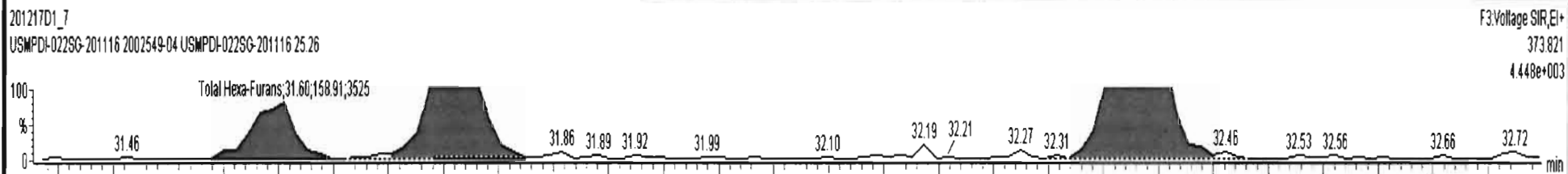


201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116



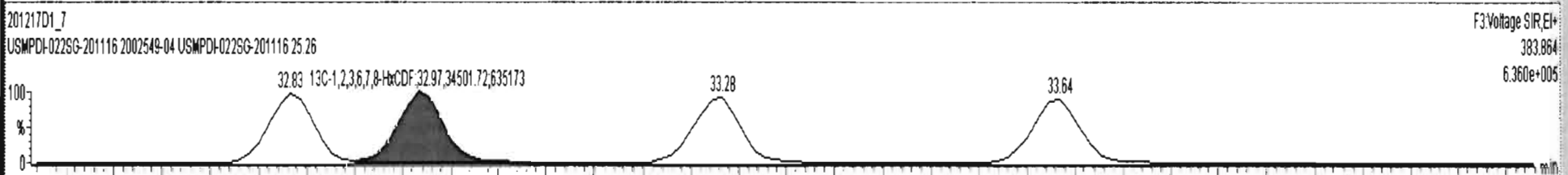
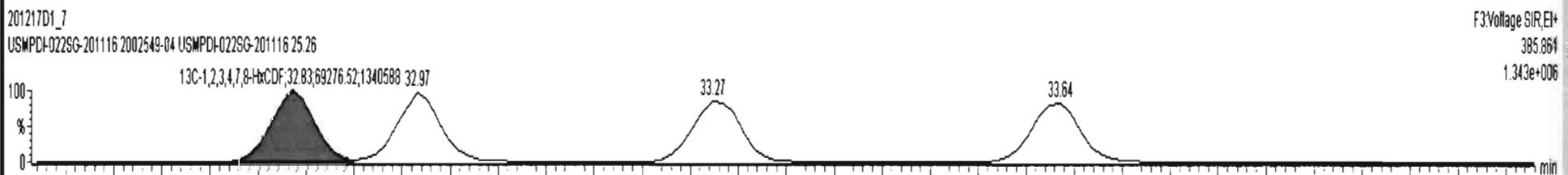
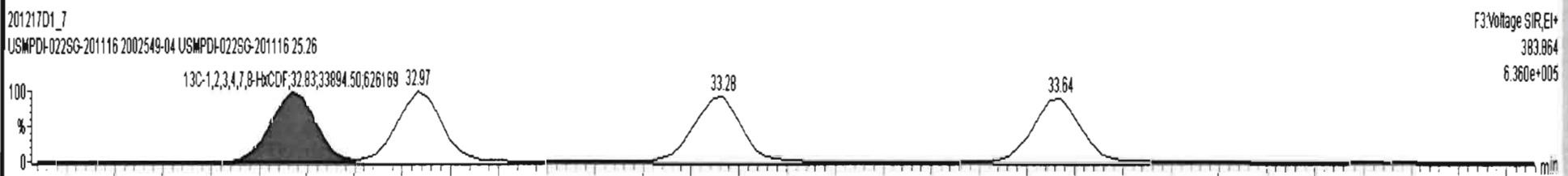
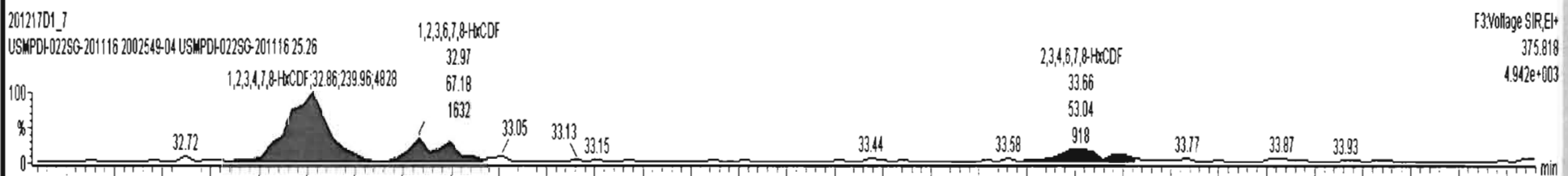
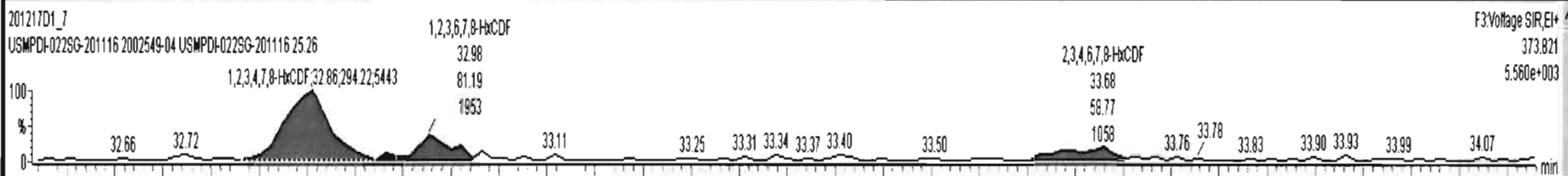


201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25 26 - USMPDI-022SG-201116

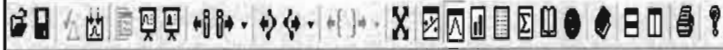




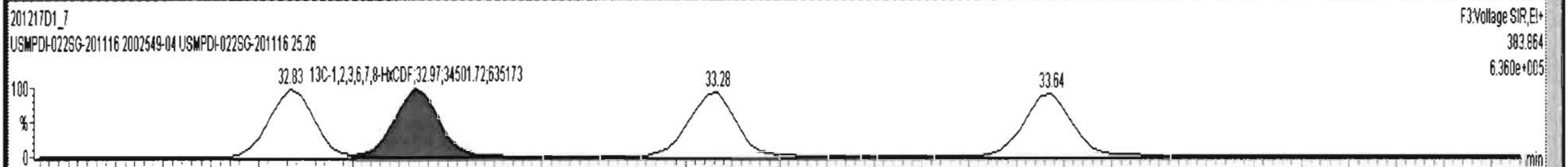
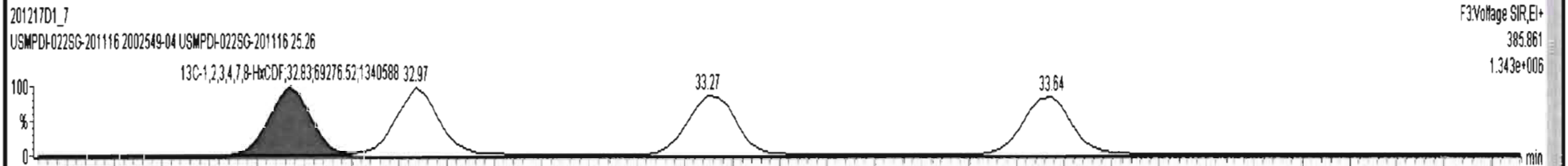
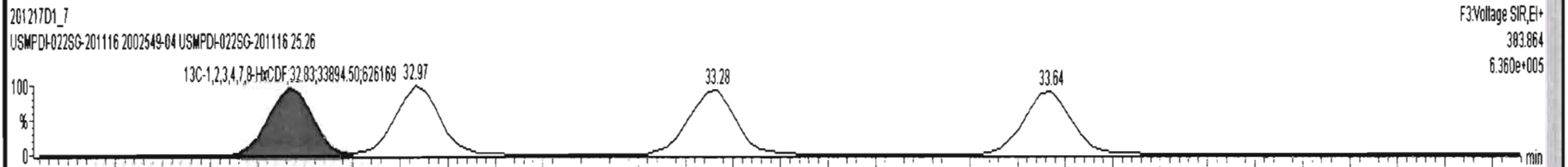
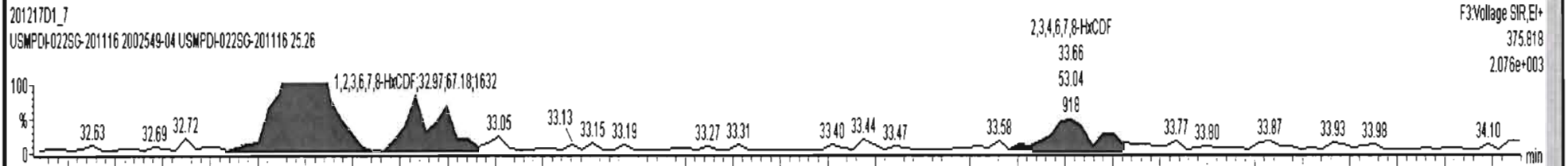
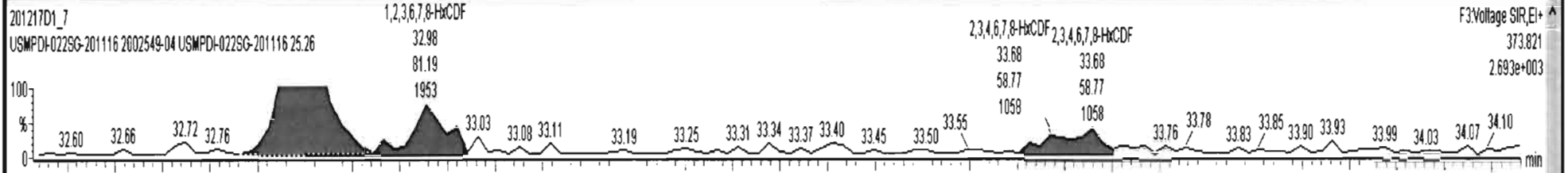
201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25 26 - USMPDI-022SG-201116







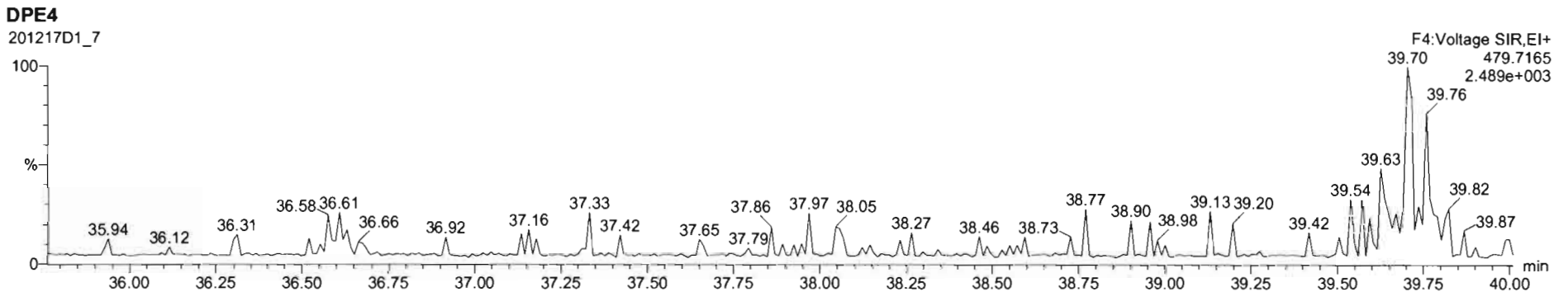
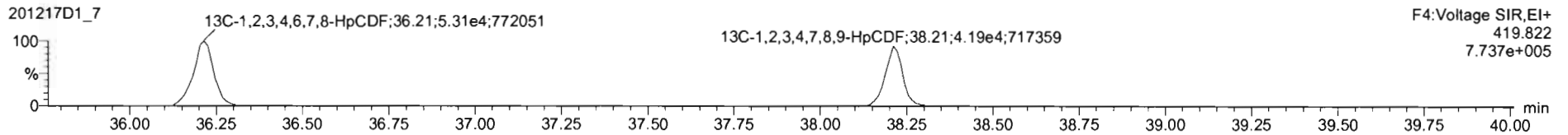
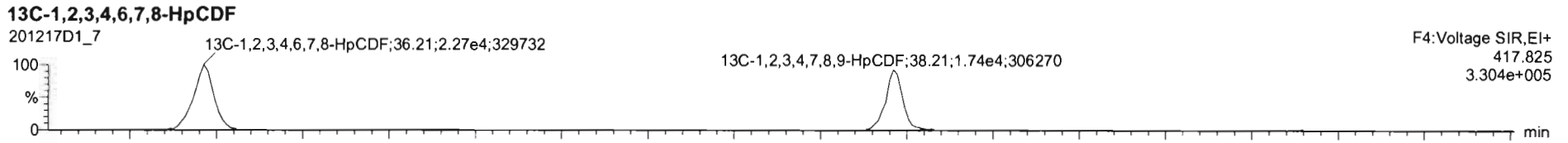
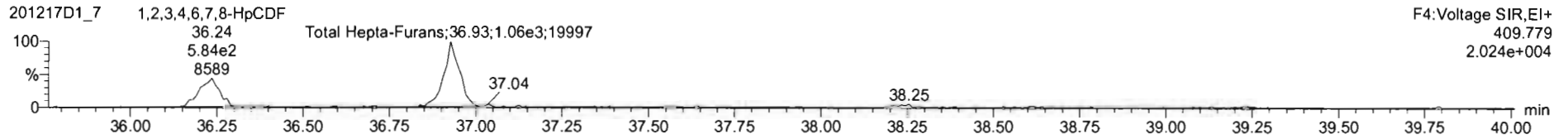
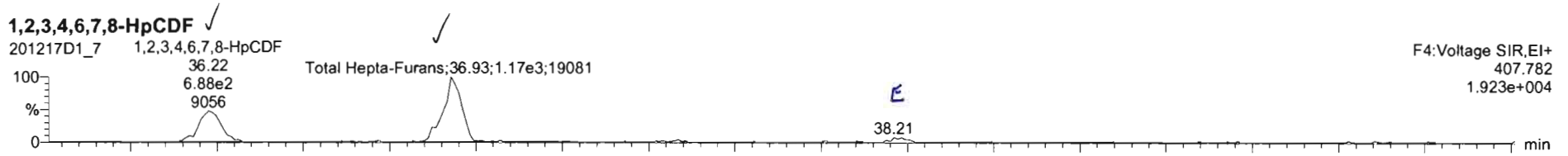
201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116



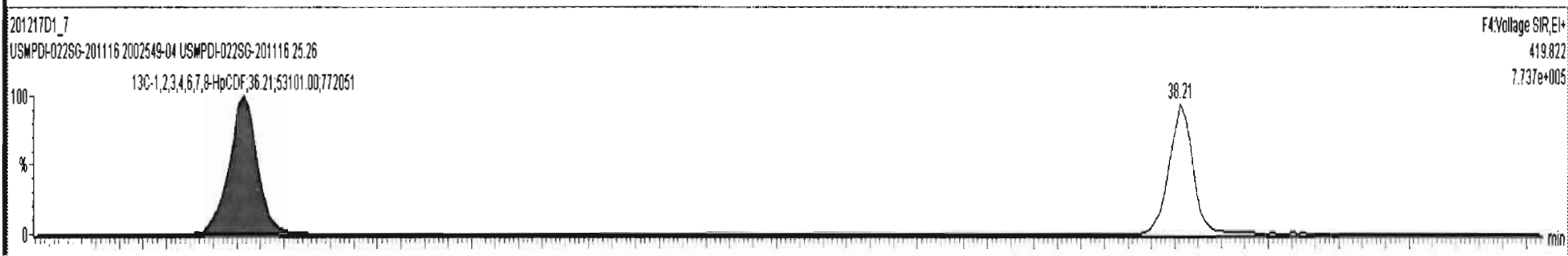
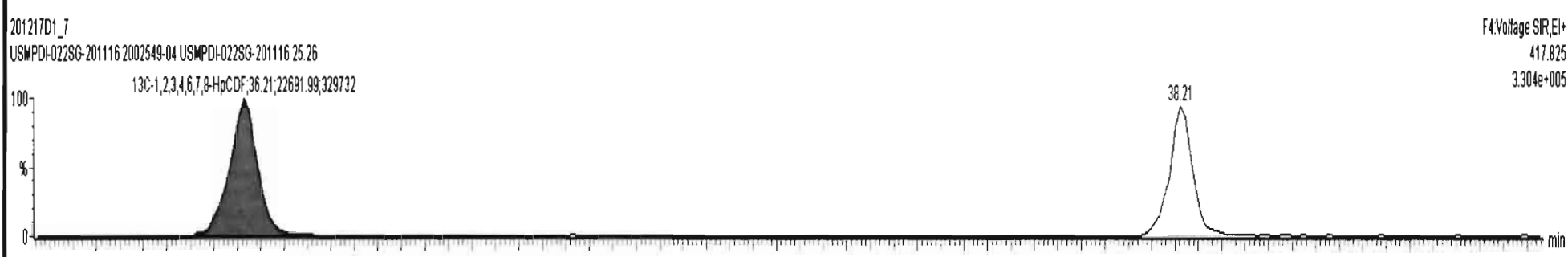
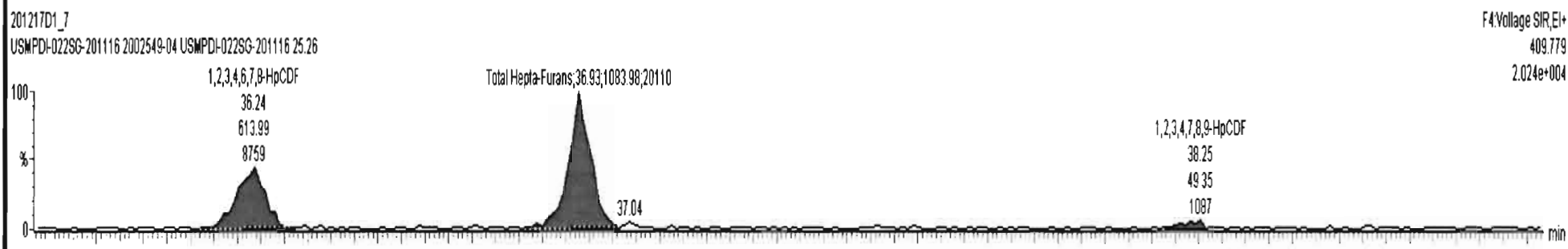
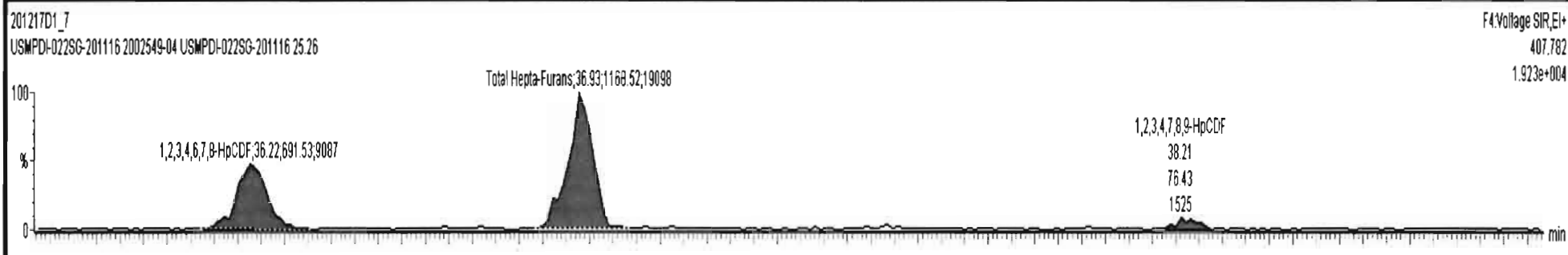
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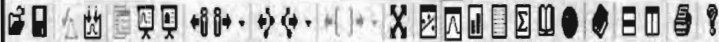
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Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

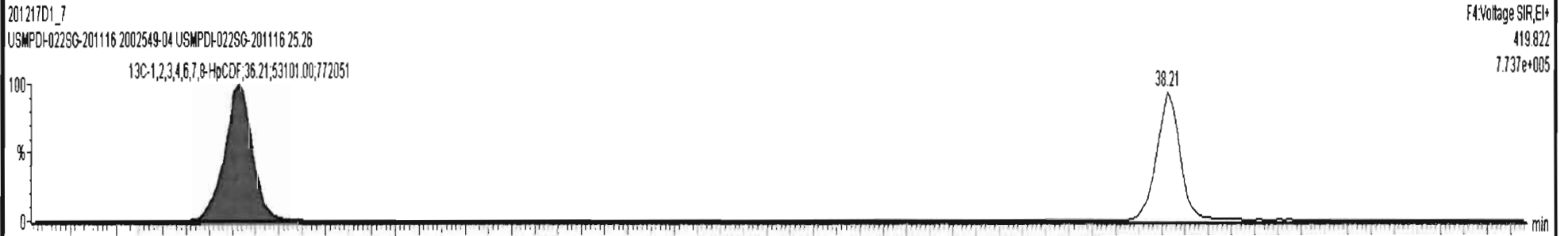
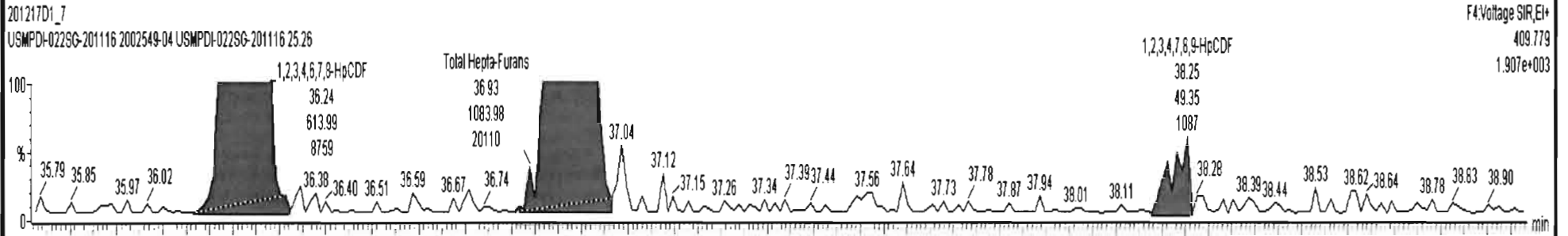
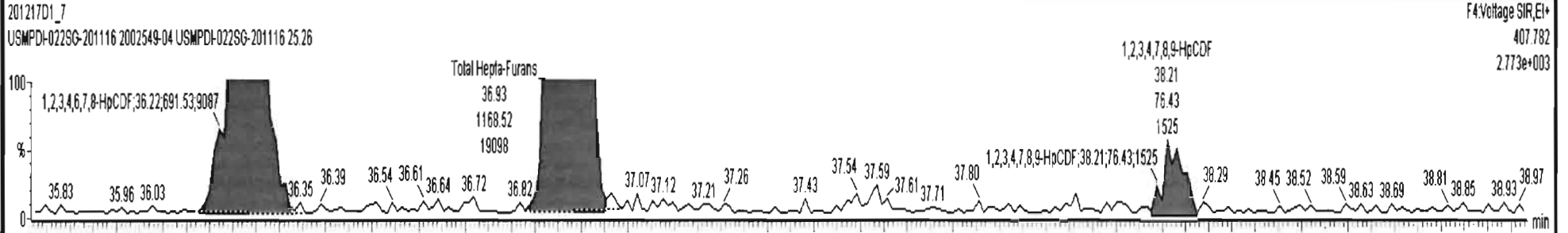


201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116





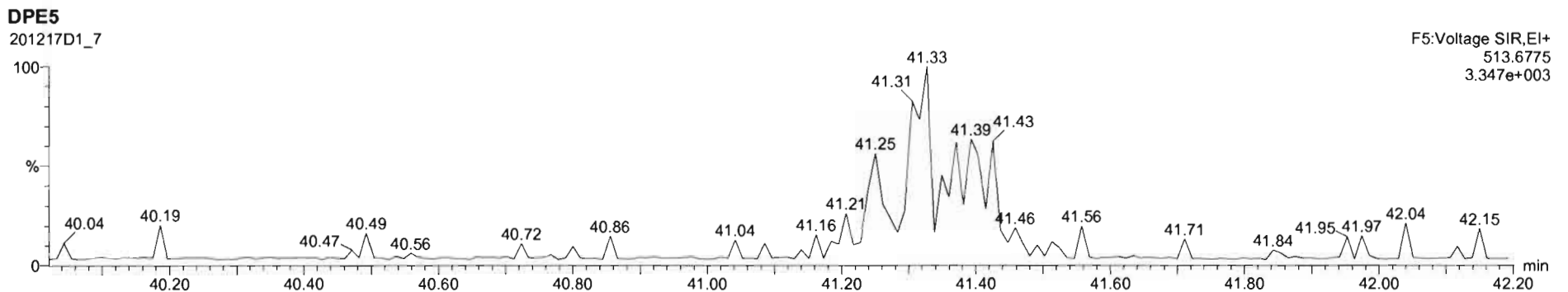
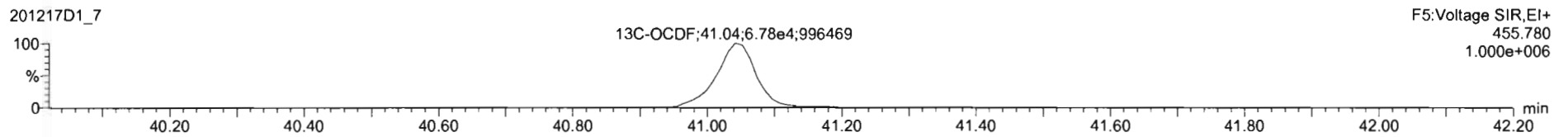
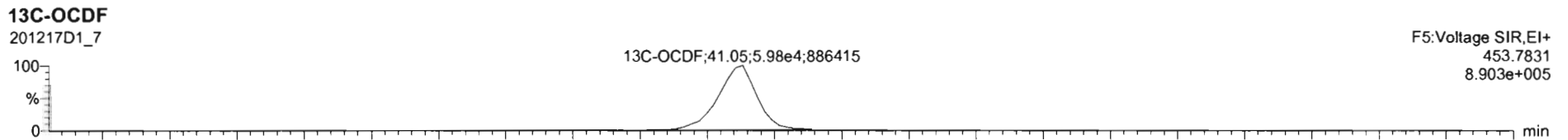
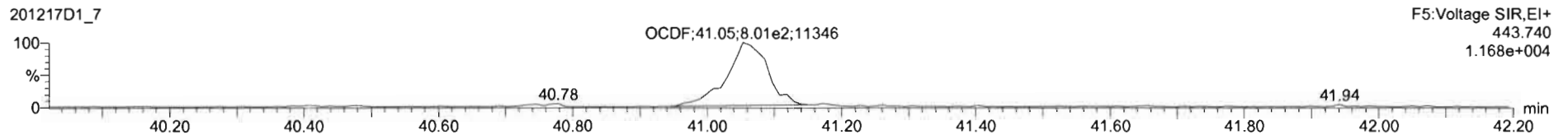
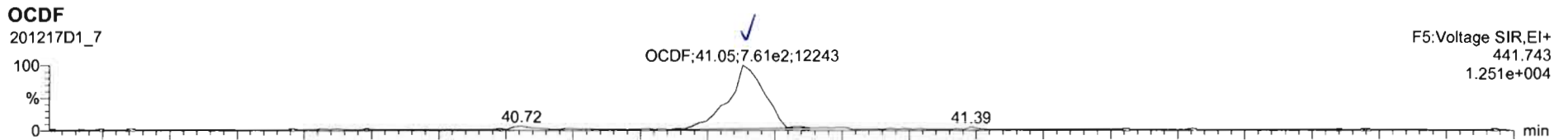
201217D1\_7 - 2002549-04 USMPDI-022SG-201116 25.26 - USMPDI-022SG-201116

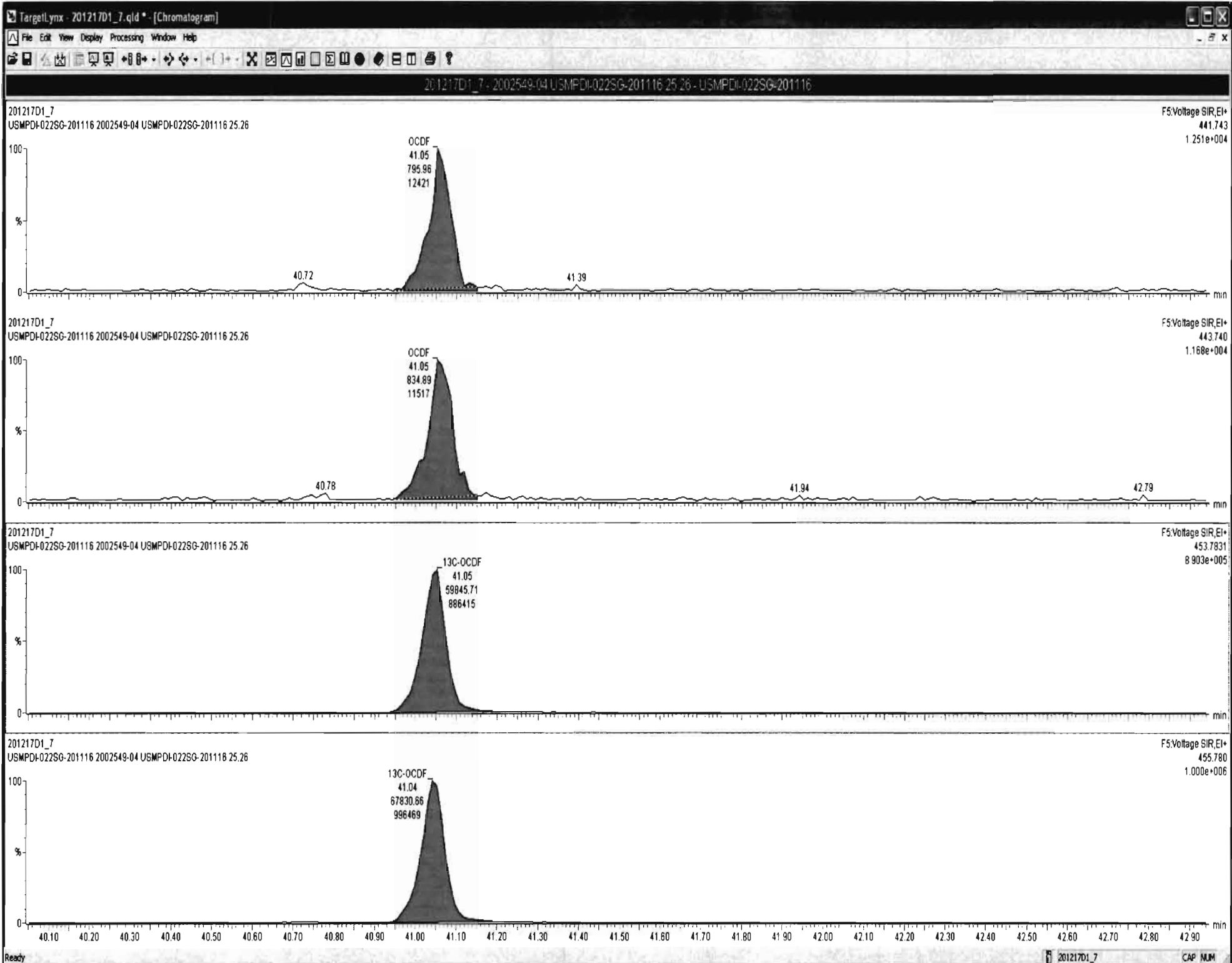


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Last Altered: Friday, December 18, 2020 09:41:05 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:28 Pacific Standard Time

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116

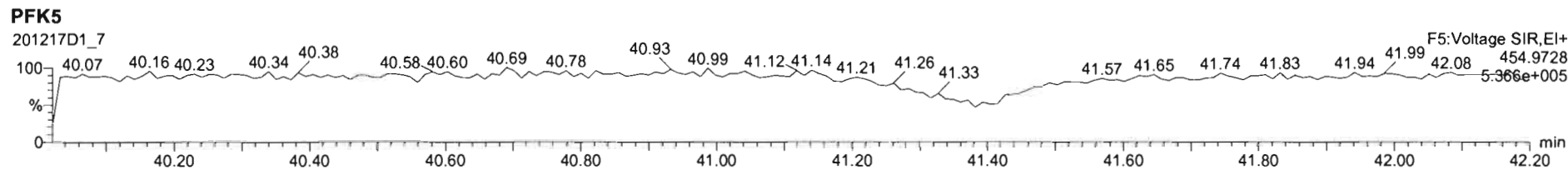
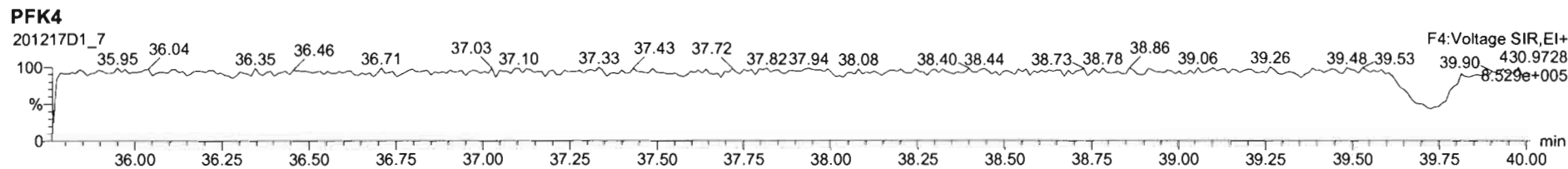
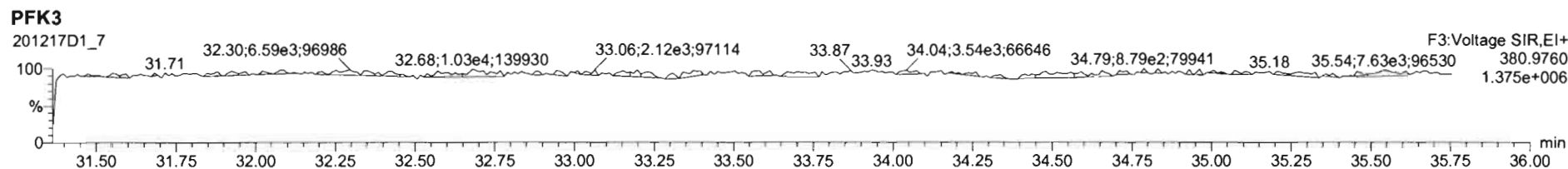
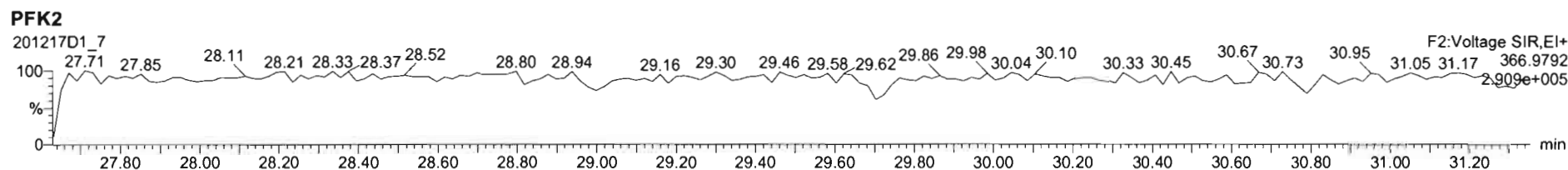
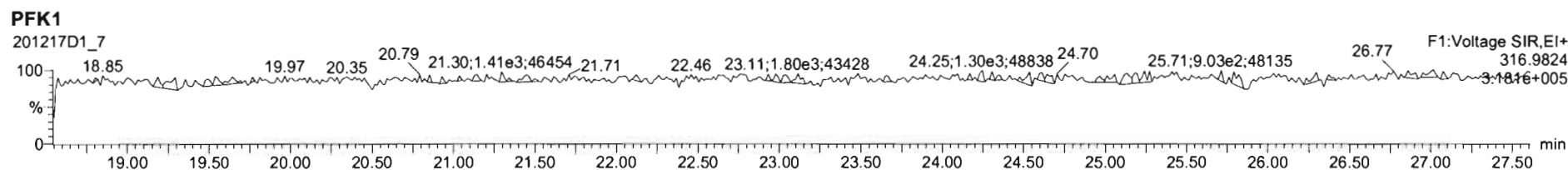




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Last Altered: Friday, December 18, 2020 09:41:05 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:28 Pacific Standard Time

Name: 201217D1\_7, Date: 17-Dec-2020, Time: 15:01:33, ID: 2002549-04 USMPDI-022SG-201116 25.26, Description: USMPDI-022SG-201116



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

Last Altered: Tuesday, December 22, 2020 13:46:35 Pacific Standard Time  
Printed: Tuesday, December 22, 2020 13:47:36 Pacific Standard Time

*DB 12/22/20*

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*MK 12/22/20*

Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

#	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			NO	1.00	10.029	26.051		1.001				0.168	
2	2 1,2,3,7,8-PeCDD	2.24e2	0.99	YES	0.935	10.029	30.508	30.49	1.001	1.000	0.48235		0.159	0.395
3	3 1,2,3,4,7,8-HxCDD	3.26e2	1.36	NO	1.15	10.029	33.733	33.73	1.000	1.000	0.71366		0.325	0.714
4	4 1,2,3,6,7,8-HxCDD	1.45e3	1.44	YES	1.02	10.029	33.854	33.87	1.000	1.000	3.2249		0.332	2.96
5	5 1,2,3,7,8,9-HxCDD	5.93e2	1.13	NO	1.06	10.029	34.152	34.15	1.001	1.001	1.2659		0.313	1.27
6	6 1,2,3,4,6,7,8-HpCDD	2.96e4	1.02	NO	1.00	10.029	37.553	37.55	1.000	1.000	78.819		1.04	78.8
7	7 OCDD	2.17e5	0.87	NO	0.952	10.029	40.702	40.72	1.000	1.001	794.64		0.723	795
8	8 2,3,7,8-TCDF	6.06e3	0.82	NO	1.01	10.029	25.387	25.39	1.001	1.001	6.7614		0.252	6.76
9	9 1,2,3,7,8-PeCDF	1.05e4	1.73	NO	0.998	10.029	29.300	29.30	1.001	1.001	14.387		0.221	14.4
10	10 2,3,4,7,8-PeCDF	5.08e3	1.45	NO	1.07	10.029	30.336	30.33	1.001	1.001	6.5071		0.181	6.51
11	11 1,2,3,4,7,8-HxCDF	2.10e4	1.22	NO	1.05	10.029	32.823	32.83	1.000	1.000	35.505		0.225	35.5
12	12 1,2,3,6,7,8-HxCDF	6.43e3	1.26	NO	1.10	10.029	32.965	32.98	1.000	1.001	10.685		0.234	10.7
13	13 2,3,4,6,7,8-HxCDF	1.26e3	1.16	NO	1.09	10.029	33.658	33.65	1.001	1.001	2.2187		0.251	2.22
14	14 1,2,3,7,8,9-HxCDF	6.81e2	1.31	NO	1.08	10.029	34.623	34.66	1.000	1.001	1.3019		0.320	1.30
15	15 1,2,3,4,6,7,8-HpCDF	1.81e4	1.06	NO	1.13	10.029	36.239	36.21	1.001	1.000	39.160		0.447	39.2
16	16 1,2,3,4,7,8,9-HpCDF	3.03e3	1.08	NO	1.29	10.029	38.200	38.21	1.000	1.000	7.0772		0.374	7.08
17	17 OCDF	2.43e4	0.87	NO	0.953	10.029	41.031	41.04	1.000	1.000	73.146		0.362	73.1
18	18 13C-2,3,7,8-TCDD	1.31e5	0.77	NO	1.17	10.029	25.943	26.02	1.026	1.029	212.93	107	0.891	
19	19 13C-1,2,3,7,8-PeCDD	9.90e4	0.60	NO	0.914	10.029	30.492	30.49	1.206	1.206	206.05	103	0.415	
20	20 13C-1,2,3,4,7,8-HxCDD	7.91e4	1.29	NO	0.634	10.029	33.728	33.72	1.014	1.014	246.16	123	0.805	
21	21 13C-1,2,3,6,7,8-HxCDD	8.74e4	1.26	NO	0.724	10.029	33.837	33.85	1.017	1.018	238.11	119	0.704	
22	22 13C-1,2,3,7,8,9-HxCDD	8.80e4	1.27	NO	0.716	10.029	34.107	34.12	1.025	1.026	242.53	122	0.713	
23	23 13C-1,2,3,4,6,7,8-HpCDD	7.49e4	1.07	NO	0.660	10.029	37.553	37.54	1.129	1.129	223.71	112	1.43	
24	24 13C-OCDD	1.15e5	0.88	NO	0.587	10.029	40.560	40.70	1.219	1.224	385.48	96.7	0.806	
25	25 13C-2,3,7,8-TCDF	1.77e5	0.76	NO	1.02	10.029	25.344	25.36	1.002	1.003	214.48	108	0.734	
26	26 13C-1,2,3,7,8-PeCDF	1.46e5	1.58	NO	0.842	10.029	29.223	29.28	1.156	1.158	215.39	108	0.645	
27	27 13C-2,3,4,7,8-PeCDF	1.45e5	1.58	NO	0.802	10.029	30.116	30.31	1.191	1.199	224.66	113	0.677	
28	28 13C-1,2,3,4,7,8-HxCDF	1.12e5	0.50	NO	1.00	10.029	32.863	32.82	0.988	0.987	220.65	111	0.862	
29	29 13C-1,2,3,6,7,8-HxCDF	1.09e5	0.49	NO	1.02	10.029	32.996	32.96	0.992	0.991	211.35	106	0.848	
30	30 13C-2,3,4,6,7,8-HxCDF	1.04e5	0.50	NO	0.955	10.029	33.565	33.62	1.009	1.011	214.37	107	0.905	
31	31 13C-1,2,3,7,8,9-HxCDF	9.65e4	0.51	NO	0.851	10.029	34.639	34.62	1.041	1.041	223.55	112	1.02	



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

Last Altered: Tuesday, December 22, 2020 13:46:35 Pacific Standard Time

Printed: Tuesday, December 22, 2020 13:47:36 Pacific Standard Time

Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	8.16e4	0.42	NO	0.848	10.029	36.156	36.20	1.087	1.088	189.80	95.2	1.11	
33	33 13C-1,2,3,4,7,8,9-HpCDF	6.65e4	0.43	NO	0.624	10.029	38.152	38.20	1.147	1.148	210.00	105	1.51	
34	34 13C-OCDF	1.39e5	0.88	NO	0.730	10.029	40.713	41.03	1.224	1.234	376.34	94.4	0.621	
35	35 37Cl-2,3,7,8-TCDD	4.22e4			1.21	10.029	25.941	26.03	1.026	1.030	66.585	83.5	0.169	
36	36 13C-1,2,3,4-TCDD	1.05e5	0.77	NO	1.00	10.029	25.300	25.29	1.000	1.000	199.42	100	1.05	
37	37 13C-1,2,3,4-TCDF	1.61e5	0.78	NO	1.00	10.029	23.880	23.88	1.000	1.000	199.42	100	0.750	
38	38 13C-1,2,3,4,6,9-HxCDF	1.01e5	0.49	NO	1.00	10.029	33.310	33.26	1.000	1.000	199.42	100	0.864	
39	39 Total Tetra-Dioxins				1.00	10.029	24.620		0.000		1.3206		0.168	1.32
40	40 Total Penta-Dioxins				0.935	10.029	29.960		0.000		1.0405		0.159	1.44
41	41 Total Hexa-Dioxins				1.02	10.029	33.635		0.000		16.705		0.340	19.7
42	42 Total Hepta-Dioxins				1.00	10.029	37.640		0.000		182.46		1.04	182
43	43 Total Tetra-Furans				1.01	10.029	23.610		0.000		17.666		0.252	19.1
44	44 1st Func. Penta-Furans				0.998	10.029	26.750		0.000		3.5995		0.0672	3.60
45	45 Total Penta-Furans				0.998	10.029	29.275		0.000		32.860		0.208	34.1
46	46 Total Hexa-Furans				1.09	10.029	33.555		0.000		72.861		0.254	72.9
47	47 Total Hepta-Furans				1.13	10.029	37.835		0.000		92.592		0.437	92.6

Vista Analytical Laboratory

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

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Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

**Tetra-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Dioxins	22.46	2.127e3	2.527e3	1.647e2	2.304e2	0.71	NO	3.951e2	0.59913	0.59913	0.168
2	Total Tetra-Dioxins	25.77	3.164e3	4.375e3	1.989e2	2.769e2	0.72	NO	4.758e2	0.72151	0.72151	0.168

**Penta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Dioxins	28.35	2.893e3	3.338e3	2.026e2	2.803e2	0.72	NO	4.829e2	1.0405	1.0405	0.159
2	1,2,3,7,8-PeCDD	30.49	2.114e3	2.643e3	1.113e2	1.126e2	0.99	YES	2.238e2	0.00000	0.39542	0.159

**Hexa-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Dioxins	32.11	3.728e4	2.951e4	1.877e3	1.526e3	1.23	NO	3.403e3	7.8137	7.8137	0.340
2	Total Hexa-Dioxins	32.69	4.368e3	3.553e3	2.349e2	1.863e2	1.26	NO	4.212e2	0.96729	0.96729	0.340
3	Total Hexa-Dioxins	33.00	3.469e4	2.368e4	1.189e3	8.843e2	1.34	NO	2.073e3	4.7600	4.7600	0.340
4	Total Hexa-Dioxins	33.10	3.374e3	3.720e3	1.754e2	1.583e2	1.11	NO	3.337e2	0.76638	0.76638	0.340
5	1,2,3,4,7,8-HxCDD	33.73	3.914e3	2.296e3	1.878e2	1.381e2	1.36	NO	3.260e2	0.71366	0.71366	0.325
6	1,2,3,6,7,8-HxCDD	33.87	1.345e4	1.028e4	8.551e2	5.923e2	1.44	YES	1.447e3	0.00000	2.9561	0.332
7	Total Hexa-Dioxins	34.03	2.418e3	1.437e3	1.043e2	7.759e1	1.34	NO	1.819e2	0.41775	0.41775	0.340
8	1,2,3,7,8,9-HxCDD	34.15	5.137e3	4.453e3	3.144e2	2.783e2	1.13	NO	5.927e2	1.2659	1.2659	0.313

**Hepta-Dioxins**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hepta-Dioxins	36.60	2.964e5	2.900e5	1.968e4	1.930e4	1.02	NO	3.898e4	103.64	103.64	1.04
2	1,2,3,4,6,7,8-HpCDD	37.55	2.732e5	2.767e5	1.499e4	1.466e4	1.02	NO	2.965e4	78.819	78.819	1.04

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Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

**Tetra-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Tetra-Furans	21.59	5.650e3	5.560e3	4.770e2	5.604e2	0.85	NO	1.037e3	1.1571	1.1571	0.252
2	Total Tetra-Furans	22.49	7.081e3	1.183e4	6.596e2	9.296e2	0.71	NO	1.589e3	1.7724	1.7724	0.252
3	Total Tetra-Furans	22.92	3.847e3	4.623e3	2.780e2	3.888e2	0.72	NO	6.668e2	0.74366	0.74366	0.252
4	Total Tetra-Furans	23.27	1.926e3	2.869e3	1.452e2	2.162e2	0.67	NO	3.614e2	0.40306	0.40306	0.252
5	Total Tetra-Furans	24.02	3.796e3	5.783e3	4.988e2	7.609e2	0.66	NO	1.260e3	1.4049	1.4049	0.252
6	Total Tetra-Furans	24.43	2.807e4	3.762e4	1.951e3	2.586e3	0.75	NO	4.537e3	5.0601	5.0601	0.252
7	Total Tetra-Furans	25.27	3.824e3	6.443e3	2.594e2	4.284e2	0.61	YES	0.000e0	0.00000	0.66505	0.252
8	2,3,7,8-TCDF	25.39	4.295e4	5.390e4	2.725e3	3.337e3	0.82	NO	6.062e3	6.7614	6.7614	0.252
9	Total Tetra-Furans	25.67	2.337e3	4.443e3	1.327e2	2.141e2	0.62	YES	0.000e0	0.00000	0.34018	0.252
10	Total Tetra-Furans	26.55	2.699e3	1.498e3	1.395e2	7.125e1	1.96	YES	0.000e0	0.00000	0.14066	0.252
11	Total Tetra-Furans	27.01	2.448e3	2.518e3	1.618e2	1.404e2	1.15	YES	0.000e0	0.00000	0.27718	0.252
12	Total Tetra-Furans	27.18	3.188e3	3.280e3	1.403e2	1.852e2	0.76	NO	3.254e2	0.36296	0.36296	0.252

**Penta-Furans function 1**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1st Func. Penta-Furans	26.80	2.460e4	1.901e4	1.537e3	1.083e3	1.42	NO	2.620e3	3.5995	3.5995	0.0672

**Penta-Furans**

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Penta-Furans	28.21	1.964e3	1.794e3	1.645e2	1.248e2	1.32	NO	2.893e2	0.39738	0.39738	0.208
2	Total Penta-Furans	28.35	4.570e4	3.171e4	2.842e3	1.886e3	1.51	NO	4.728e3	6.4947	6.4947	0.208
3	Total Penta-Furans	28.96	5.767e3	4.351e3	3.522e2	3.087e2	1.14	YES	0.000e0	0.00000	0.79587	0.208
4	Total Penta-Furans	29.10	7.908e3	5.492e3	4.441e2	3.084e2	1.44	NO	7.524e2	1.0336	1.0336	0.208
5	1,2,3,7,8-PeCDF	29.30	1.291e5	7.415e4	6.666e3	3.844e3	1.73	NO	1.051e4	14.387	14.387	0.221
6	Total Penta-Furans	29.54	3.555e4	2.331e4	1.765e3	1.177e3	1.50	NO	2.942e3	4.0408	4.0408	0.208
7	2,3,4,7,8-PeCDF	30.33	5.602e4	3.943e4	3.006e3	2.076e3	1.45	NO	5.082e3	6.5071	6.5071	0.181
8	Total Penta-Furans	31.19	2.395e3	2.223e3	1.906e2	1.923e2	0.99	YES	0.000e0	0.00000	0.43067	0.208

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Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

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Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

## Hexa-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	Total Hexa-Furans	31.57	1.764e4	1.194e4	8.065e2	6.101e2	1.32	NO	1.417e3	2.4646	2.4646	0.254
2	Total Hexa-Furans	31.75	5.962e4	5.007e4	2.788e3	2.452e3	1.14	NO	5.240e3	9.1168	9.1168	0.254
3	Total Hexa-Furans	32.37	6.439e4	5.393e4	3.230e3	2.729e3	1.18	NO	5.959e3	10.367	10.367	0.254
4	1,2,3,4,7,8-HxCDF	32.83	2.219e5	1.854e5	1.152e4	9.479e3	1.22	NO	2.100e4	35.505	35.505	0.225
5	1,2,3,6,7,8-HxCDF	32.98	6.658e4	5.156e4	3.589e3	2.842e3	1.26	NO	6.431e3	10.685	10.685	0.234
6	2,3,4,6,7,8-HxCDF	33.65	1.080e4	8.665e3	6.752e2	5.806e2	1.16	NO	1.256e3	2.2187	2.2187	0.251
7	1,2,3,7,8,9-HxCDF	34.66	9.234e3	7.555e3	3.859e2	2.955e2	1.31	NO	6.813e2	1.3019	1.3019	0.320
8	Total Hexa-Furans	34.68	1.043e4	8.522e3	3.737e2	3.171e2	1.18	NO	6.908e2	1.2019	1.2019	0.254

## Hepta-Furans

	Name	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	1,2,3,4,6,7,8-HpCDF	36.21	1.406e5	1.242e5	9.346e3	8.780e3	1.06	NO	1.813e4	39.160	39.160	0.447
2	Total Hepta-Furans	36.92	1.486e5	1.559e5	9.845e3	9.617e3	1.02	NO	1.946e4	46.355	46.355	0.437
3	1,2,3,4,7,8,9-HpCDF	38.21	2.550e4	2.669e4	1.573e3	1.460e3	1.08	NO	3.033e3	7.0772	7.0772	0.374

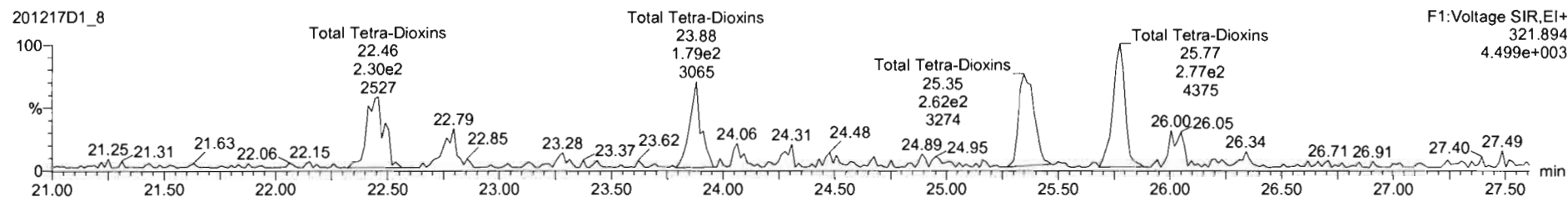
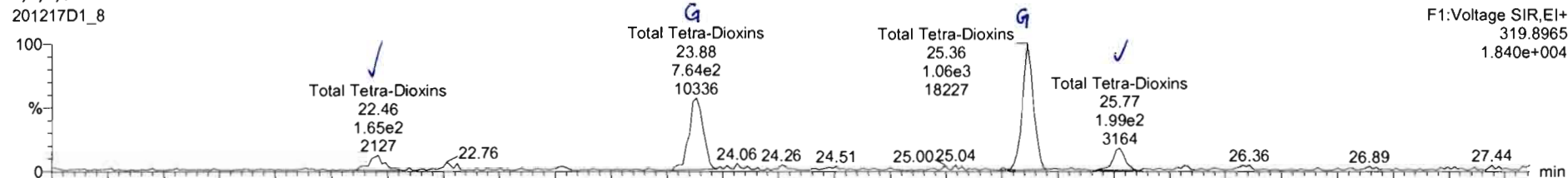
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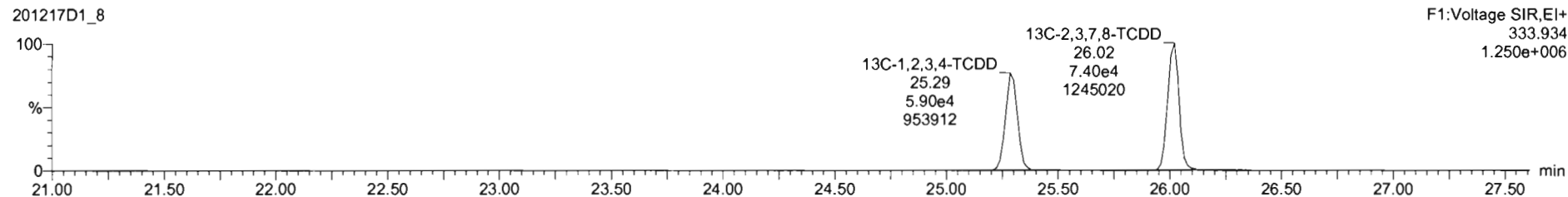
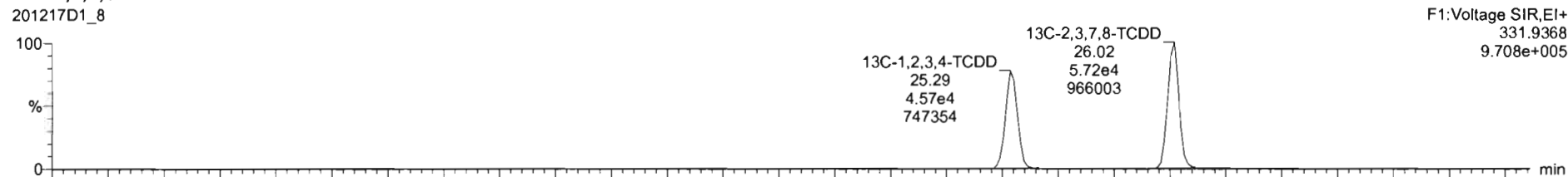
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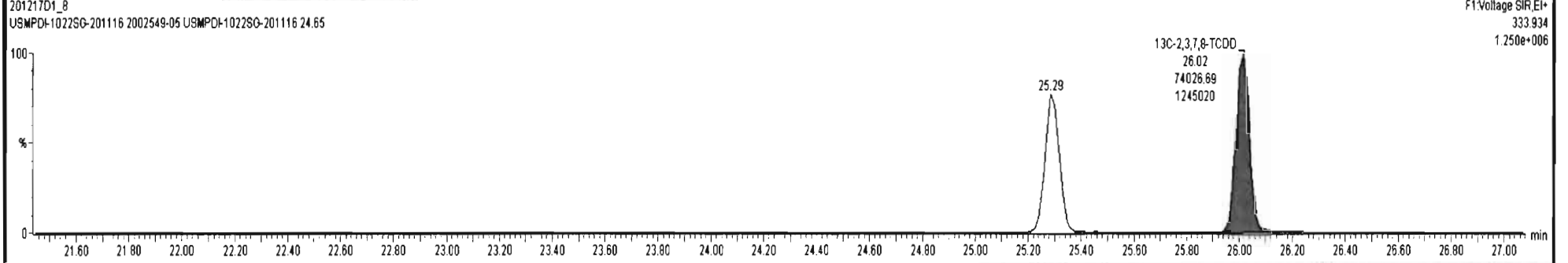
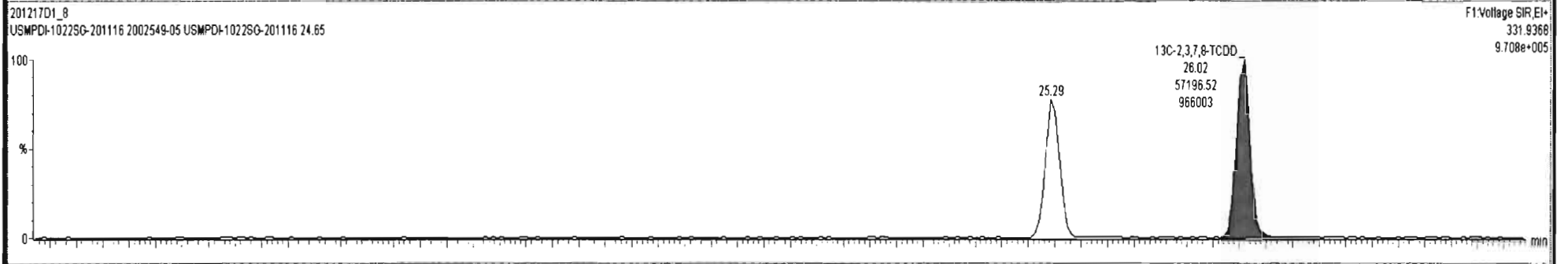
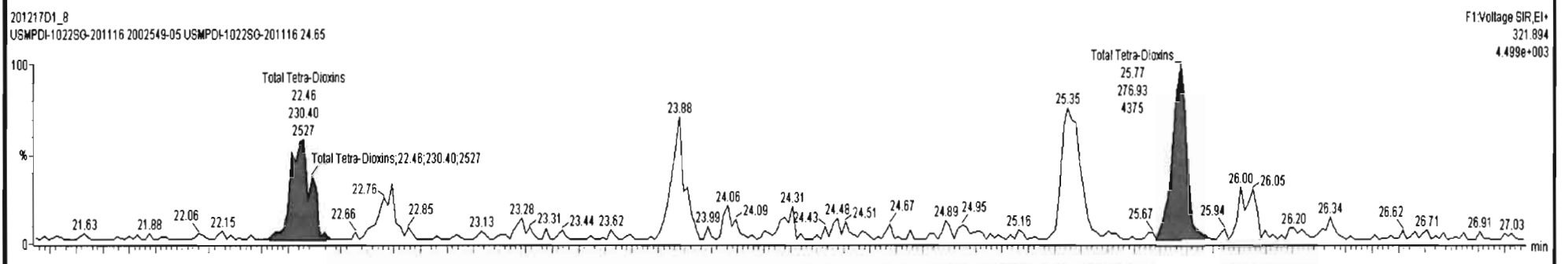
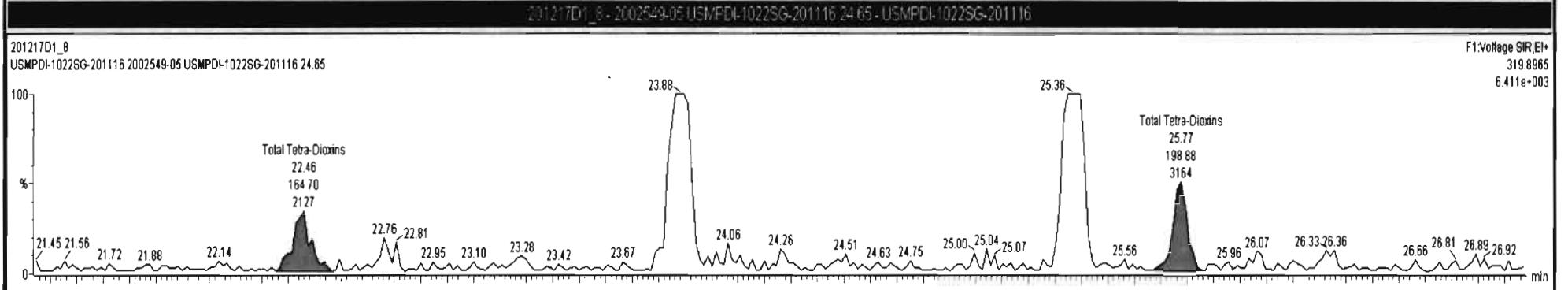
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2,3,7,8-TCDD



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





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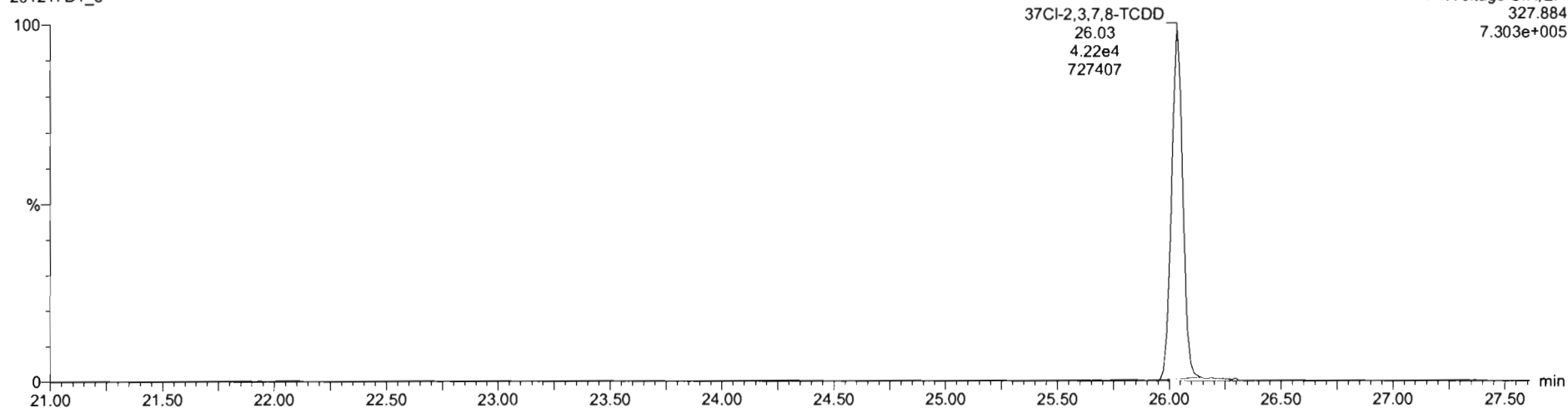
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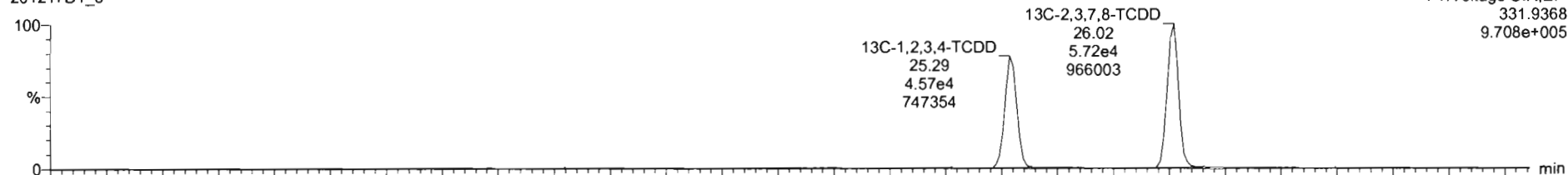
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201217D1\_8

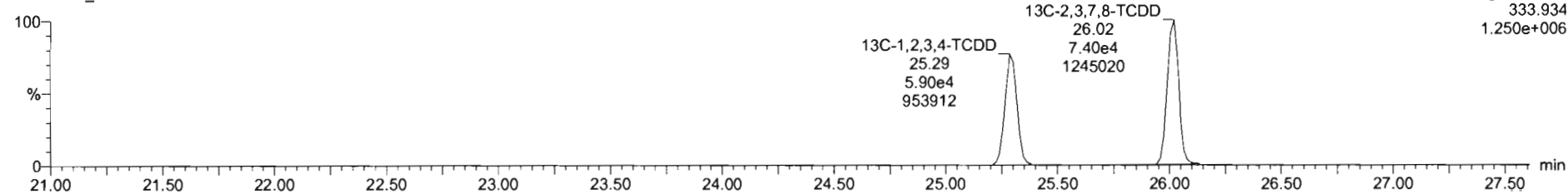


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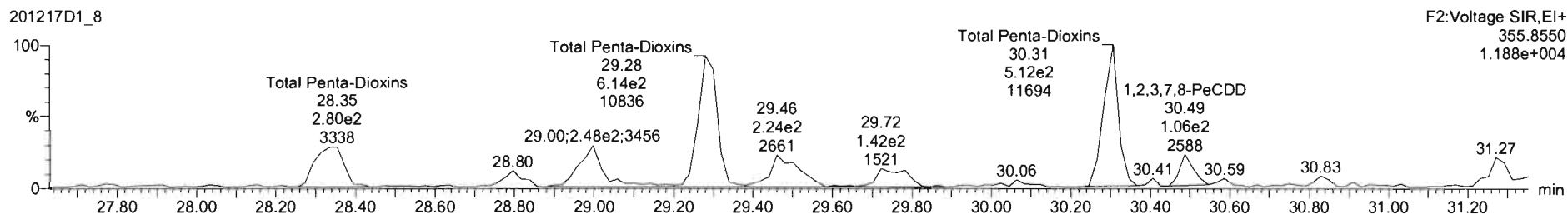
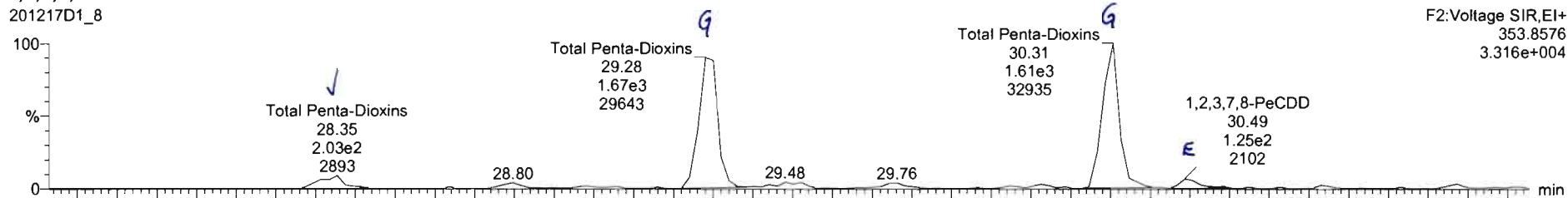


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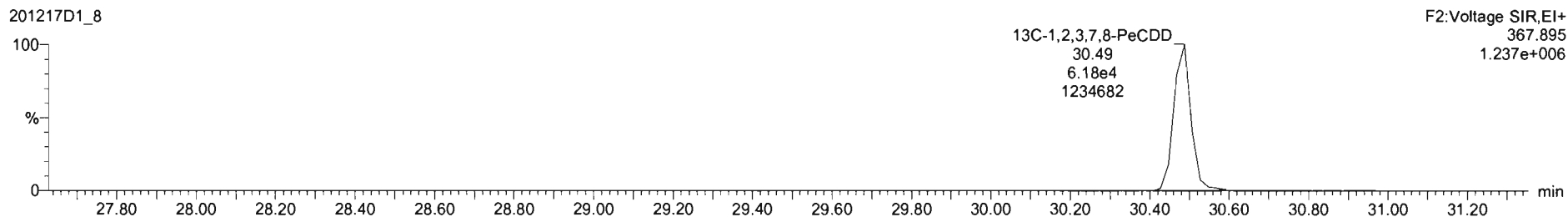
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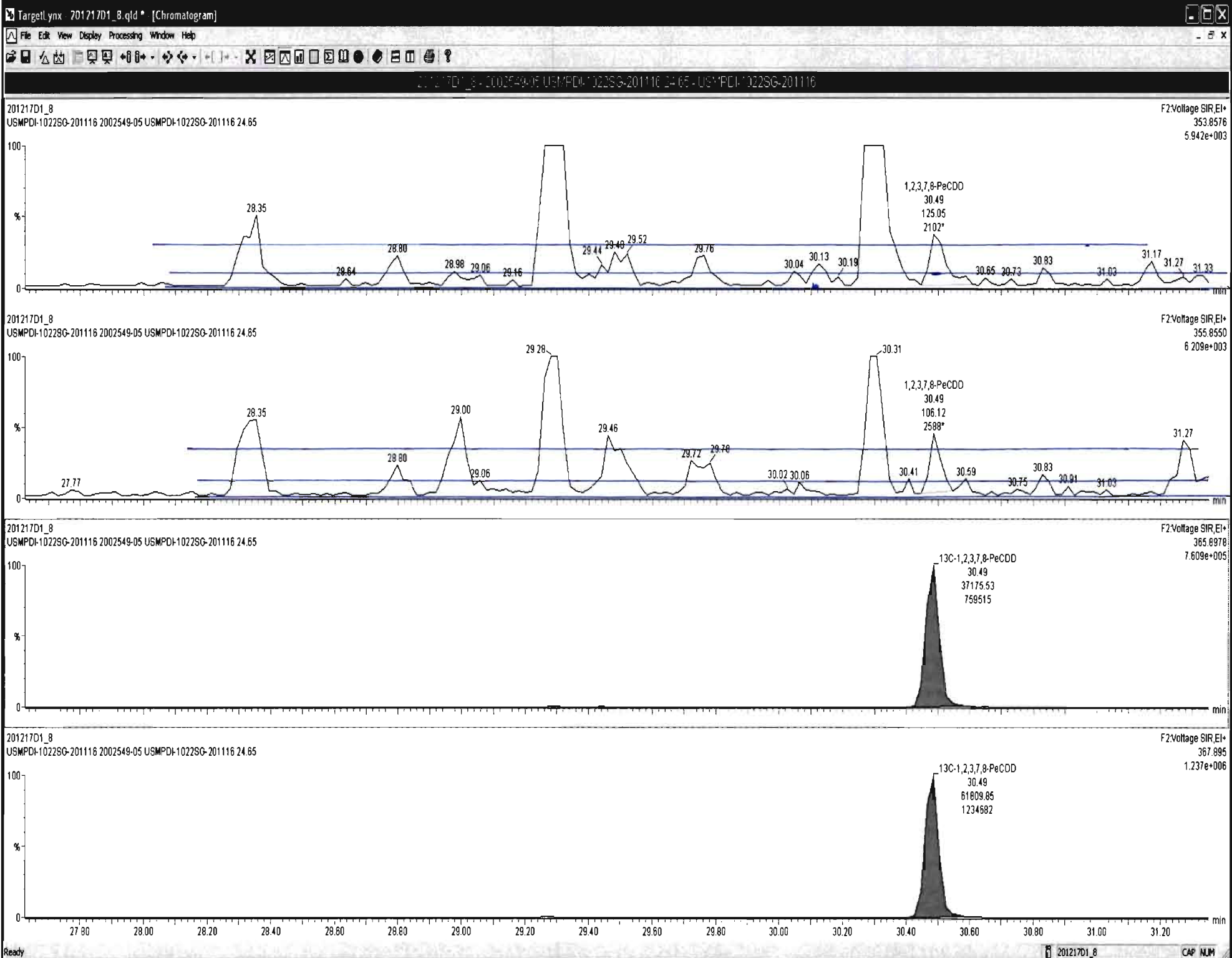
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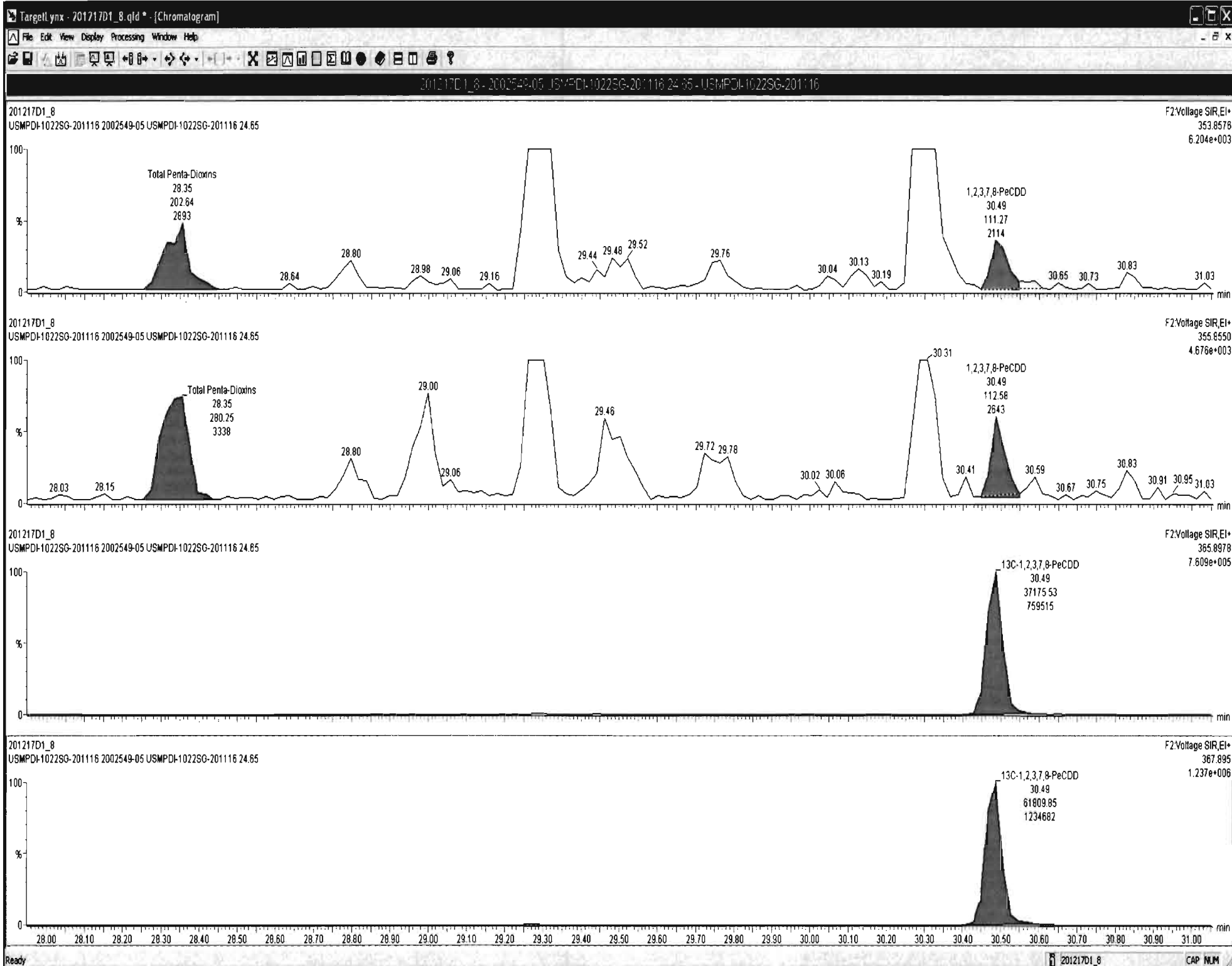


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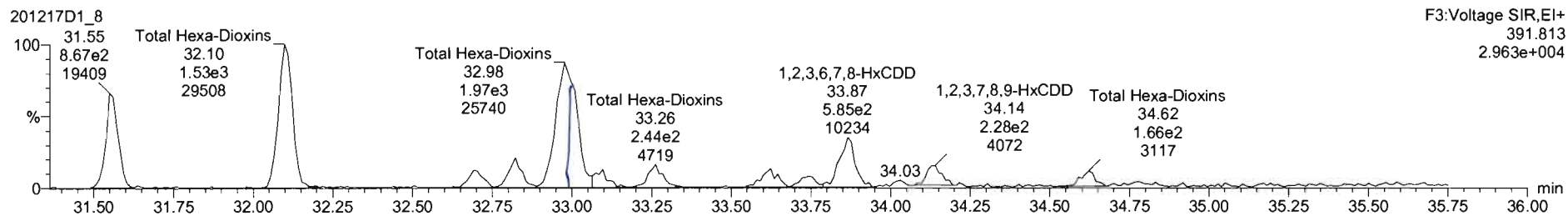
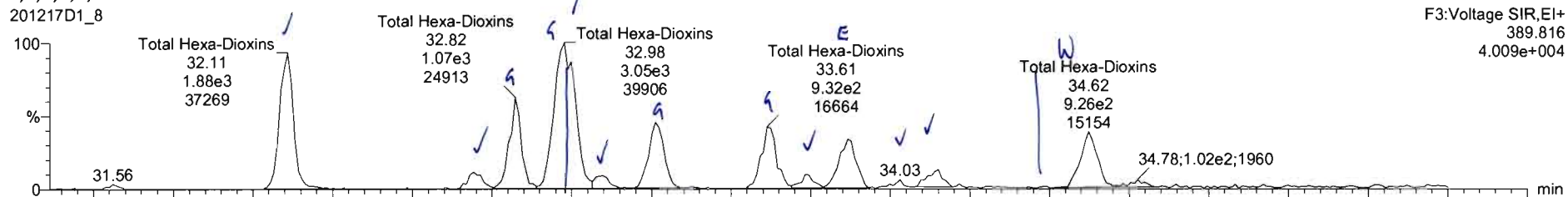


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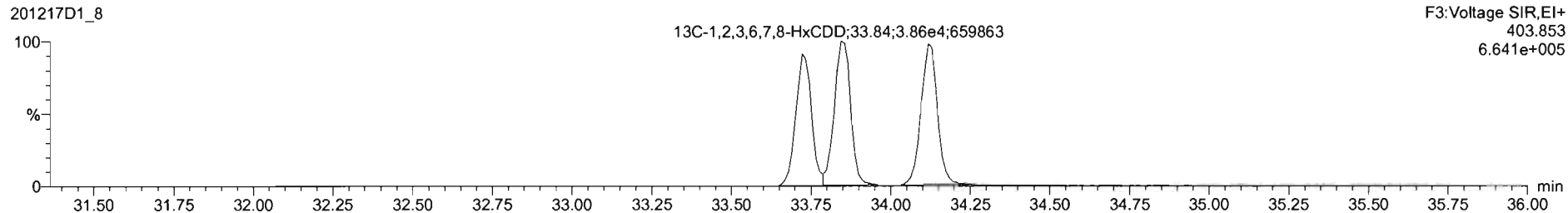
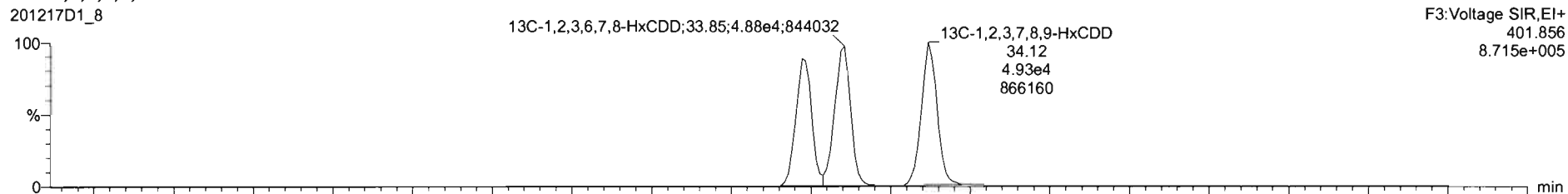
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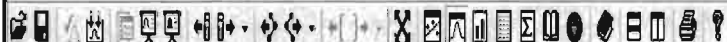
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1,2,3,4,7,8-HxCDD

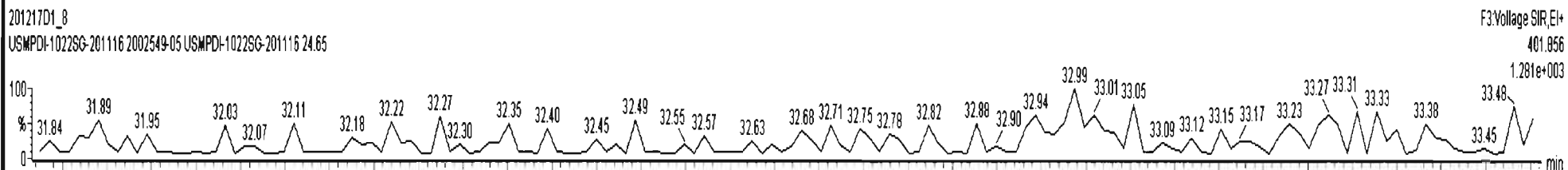
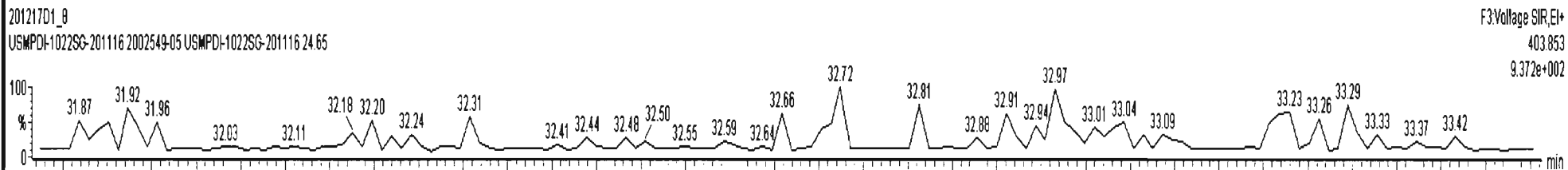
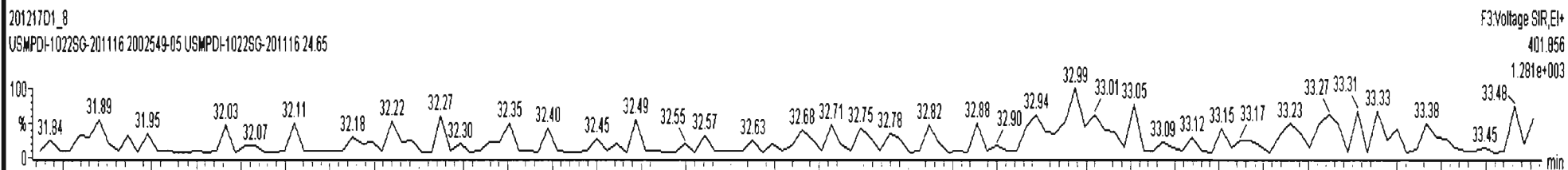
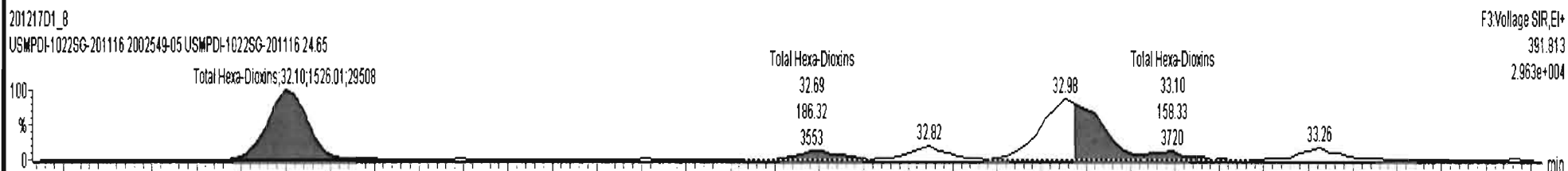
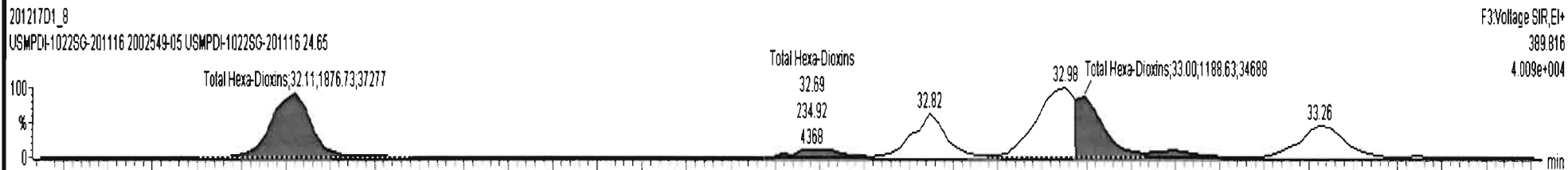


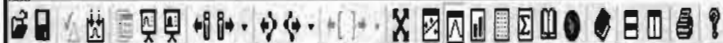
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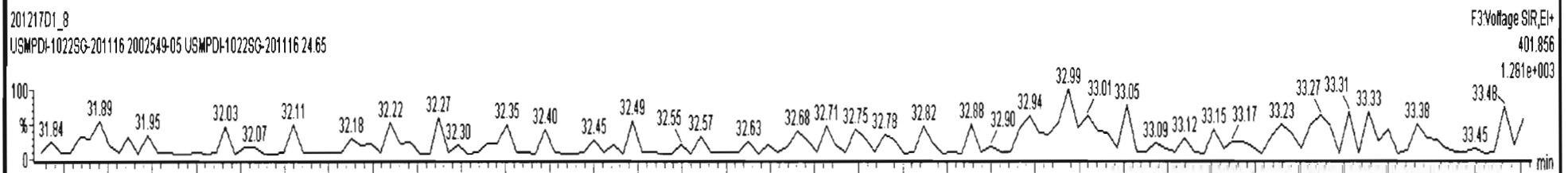
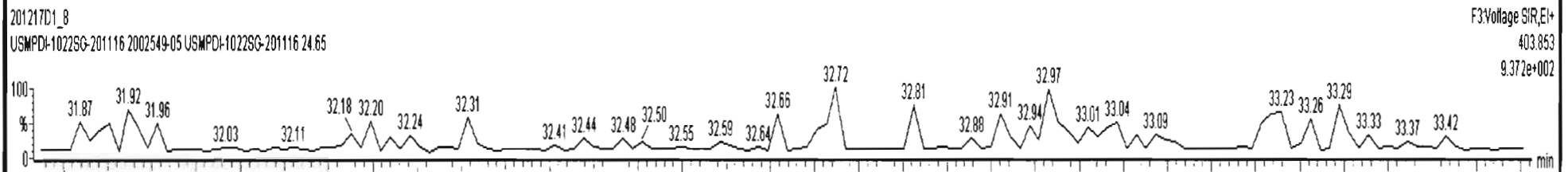
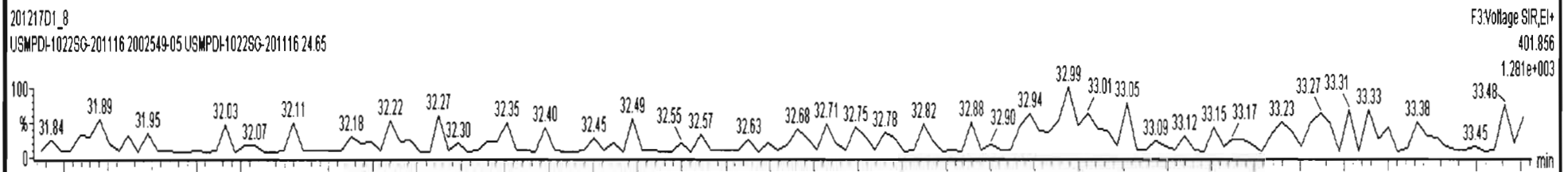
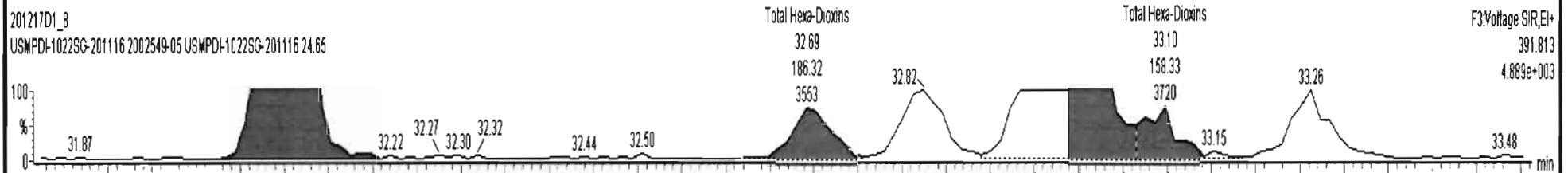
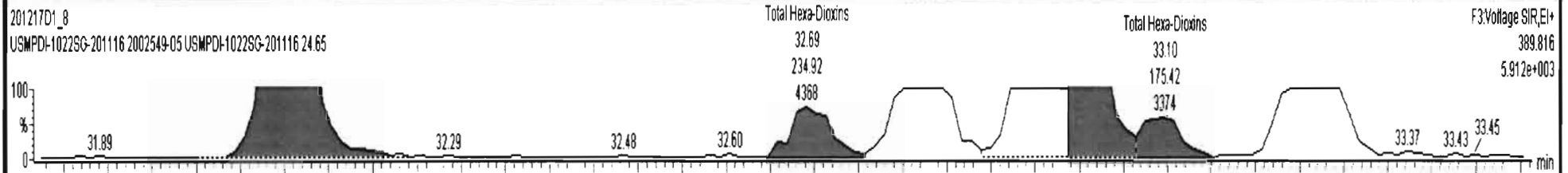


201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116



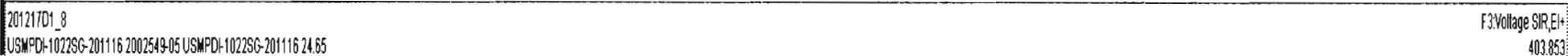
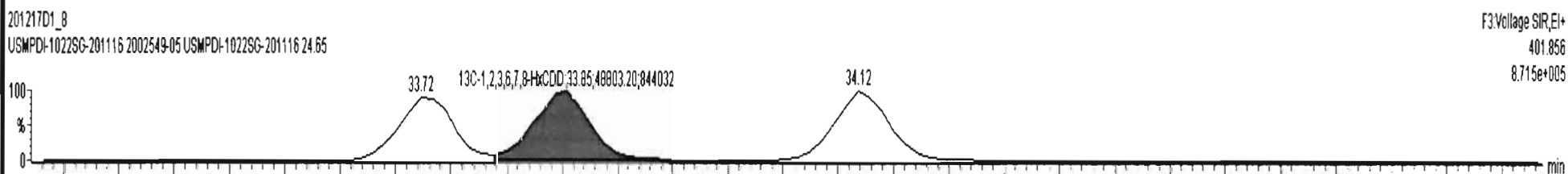
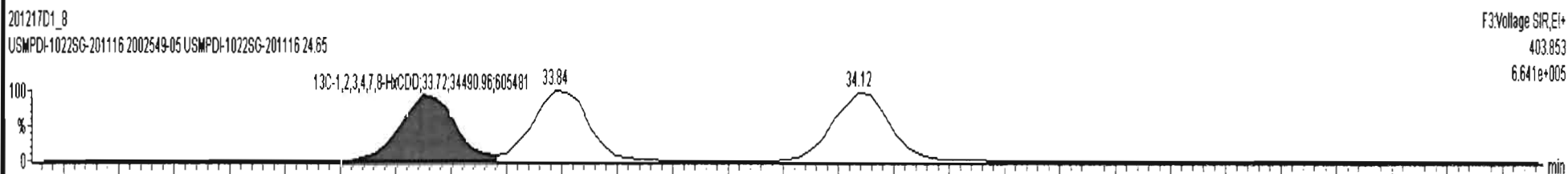
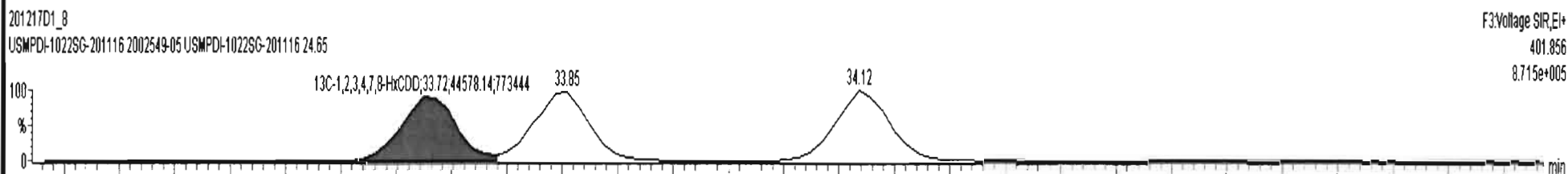
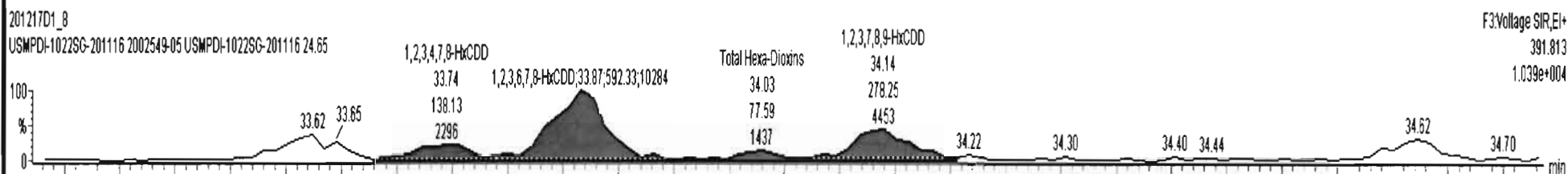
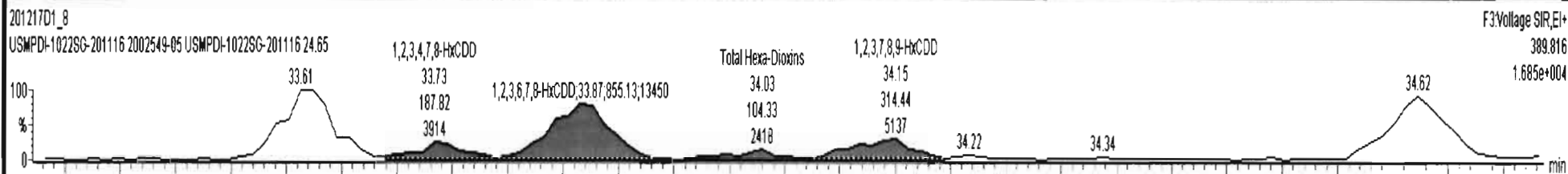


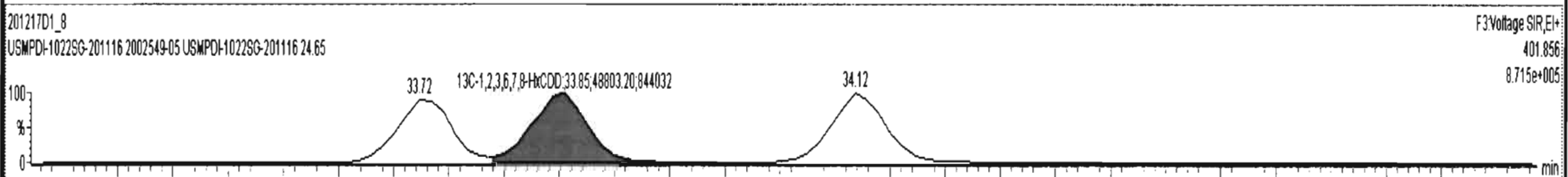
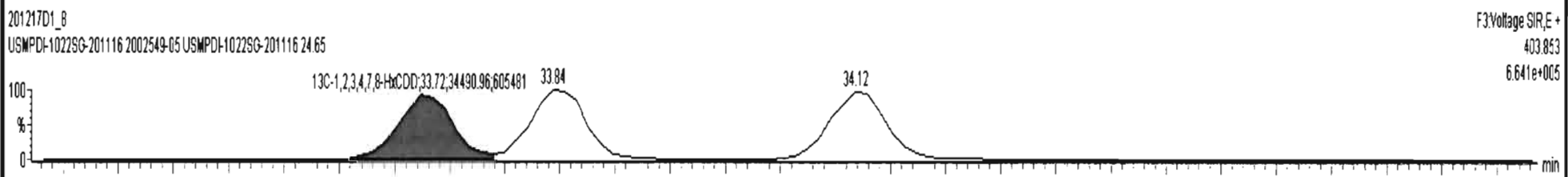
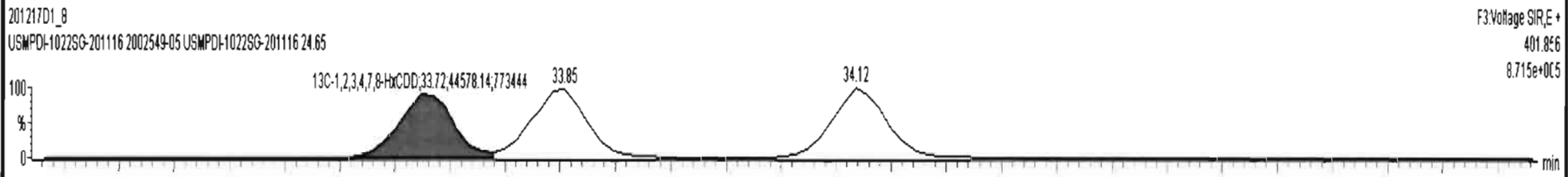
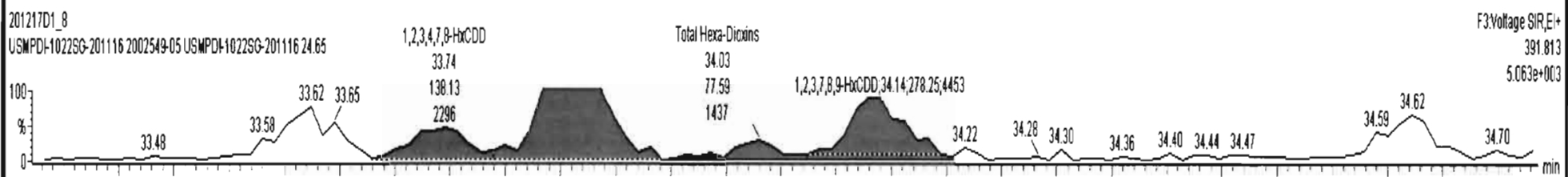
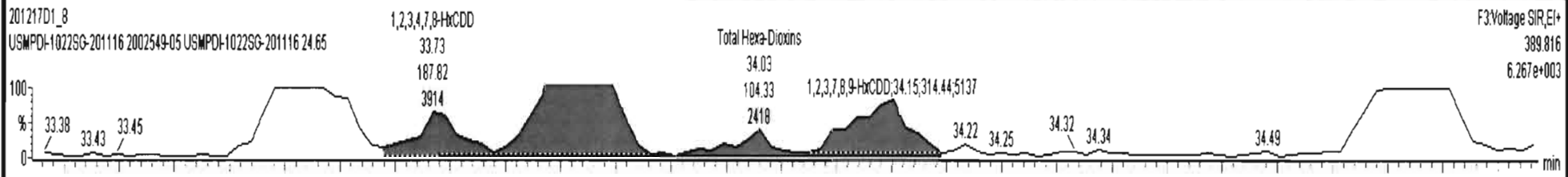
201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116





201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116





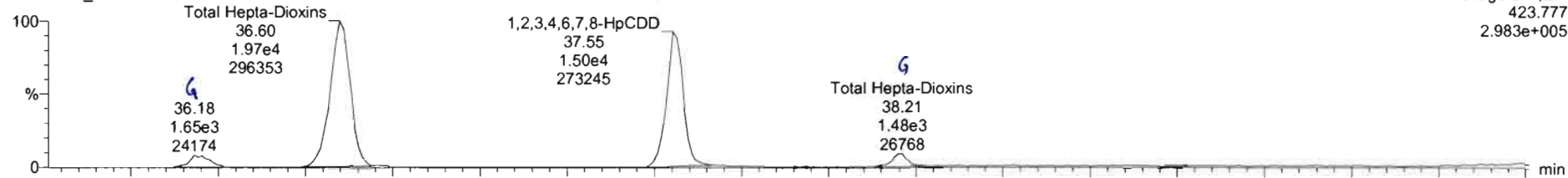
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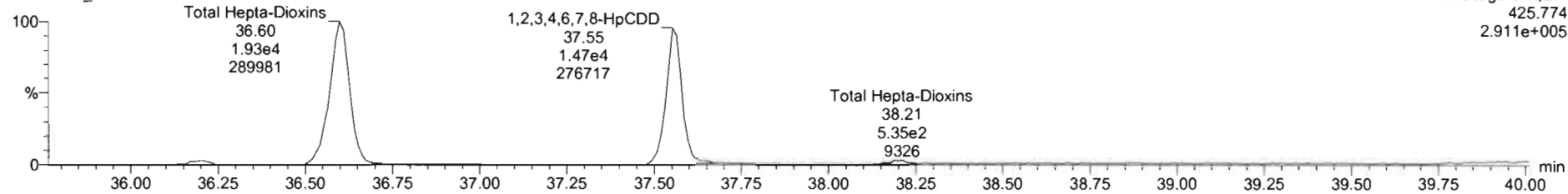
Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

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

201217D1\_8

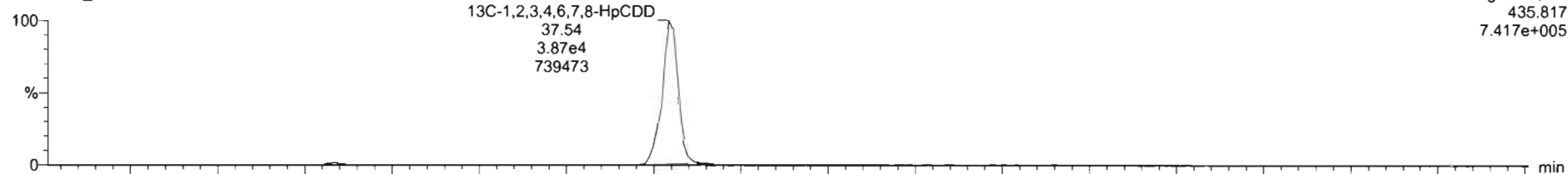


201217D1\_8

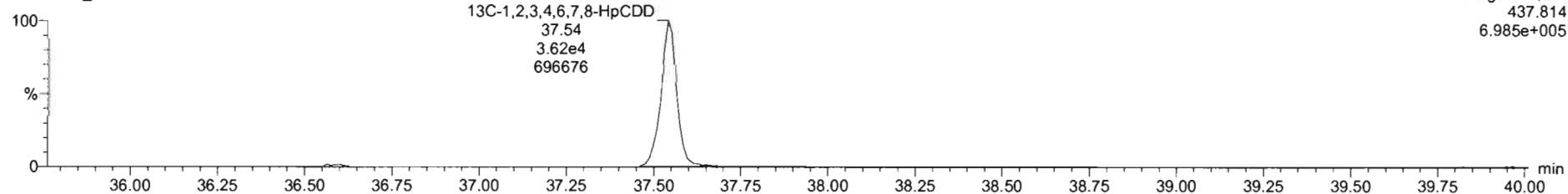


13C-1,2,3,4,6,7,8-HpCDD

201217D1\_8



201217D1\_8

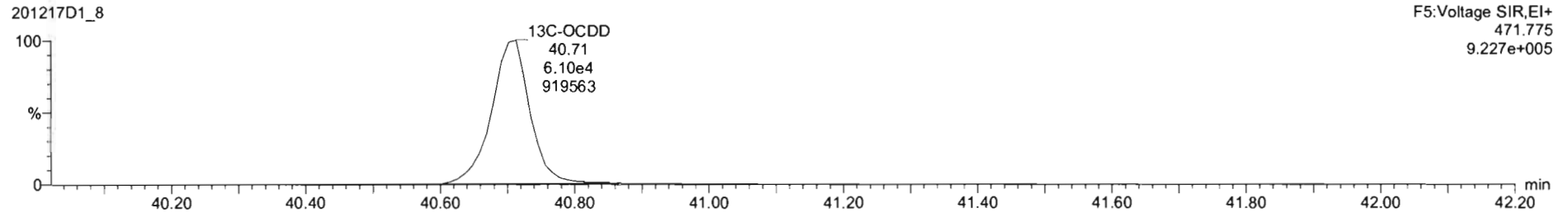
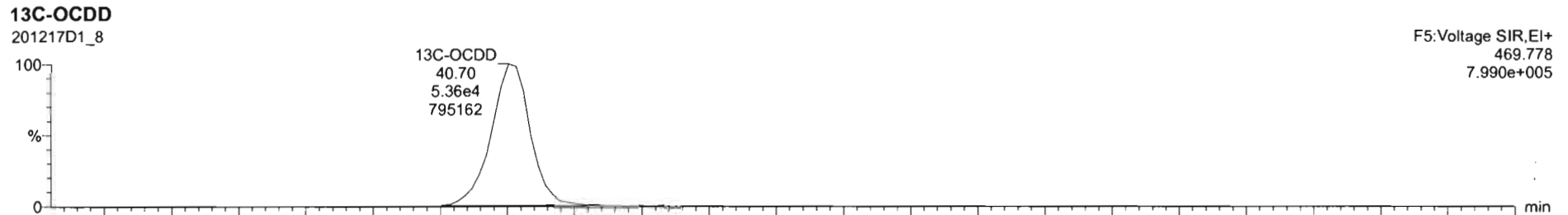
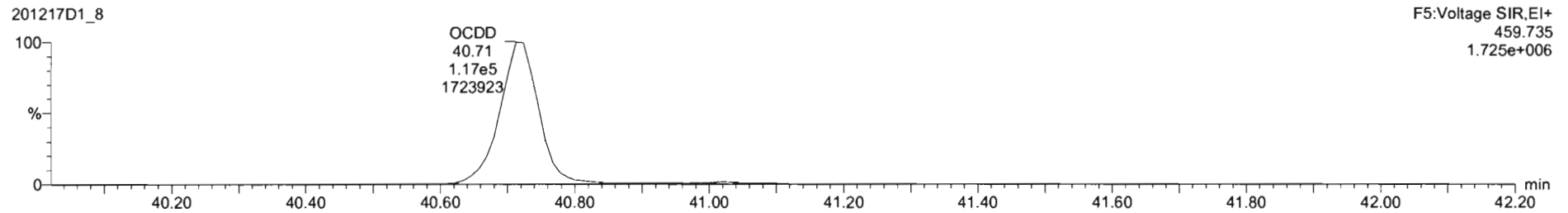
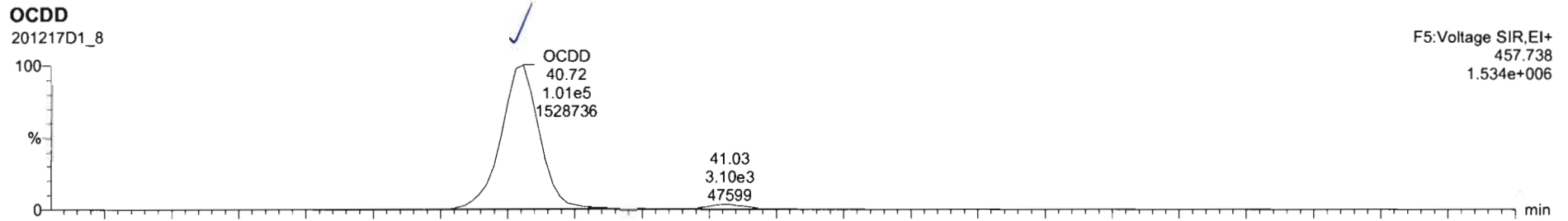




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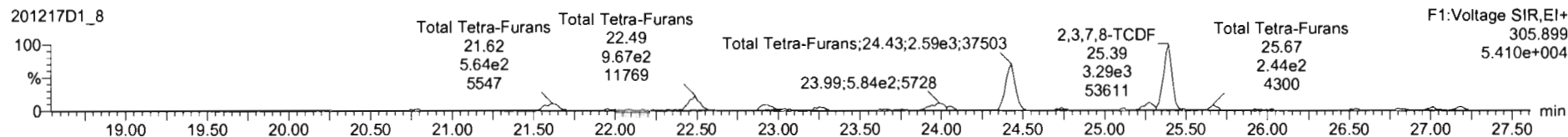
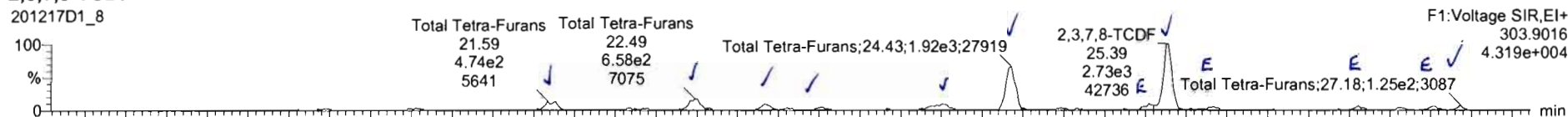


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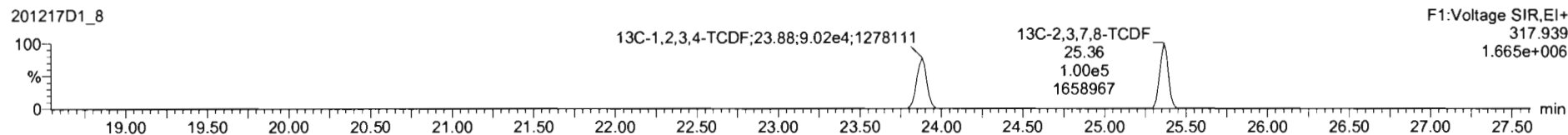
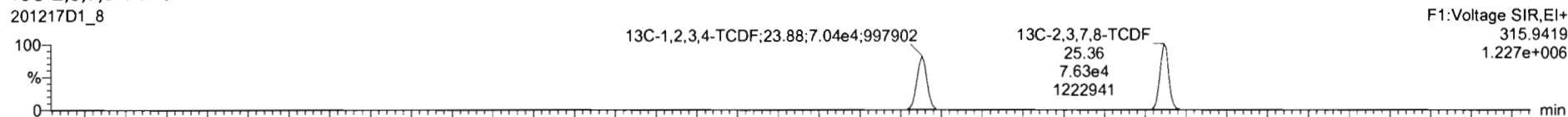
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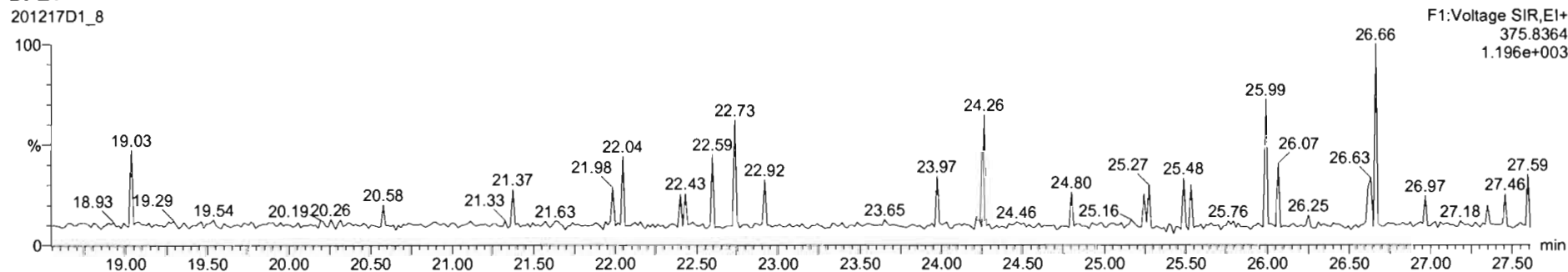
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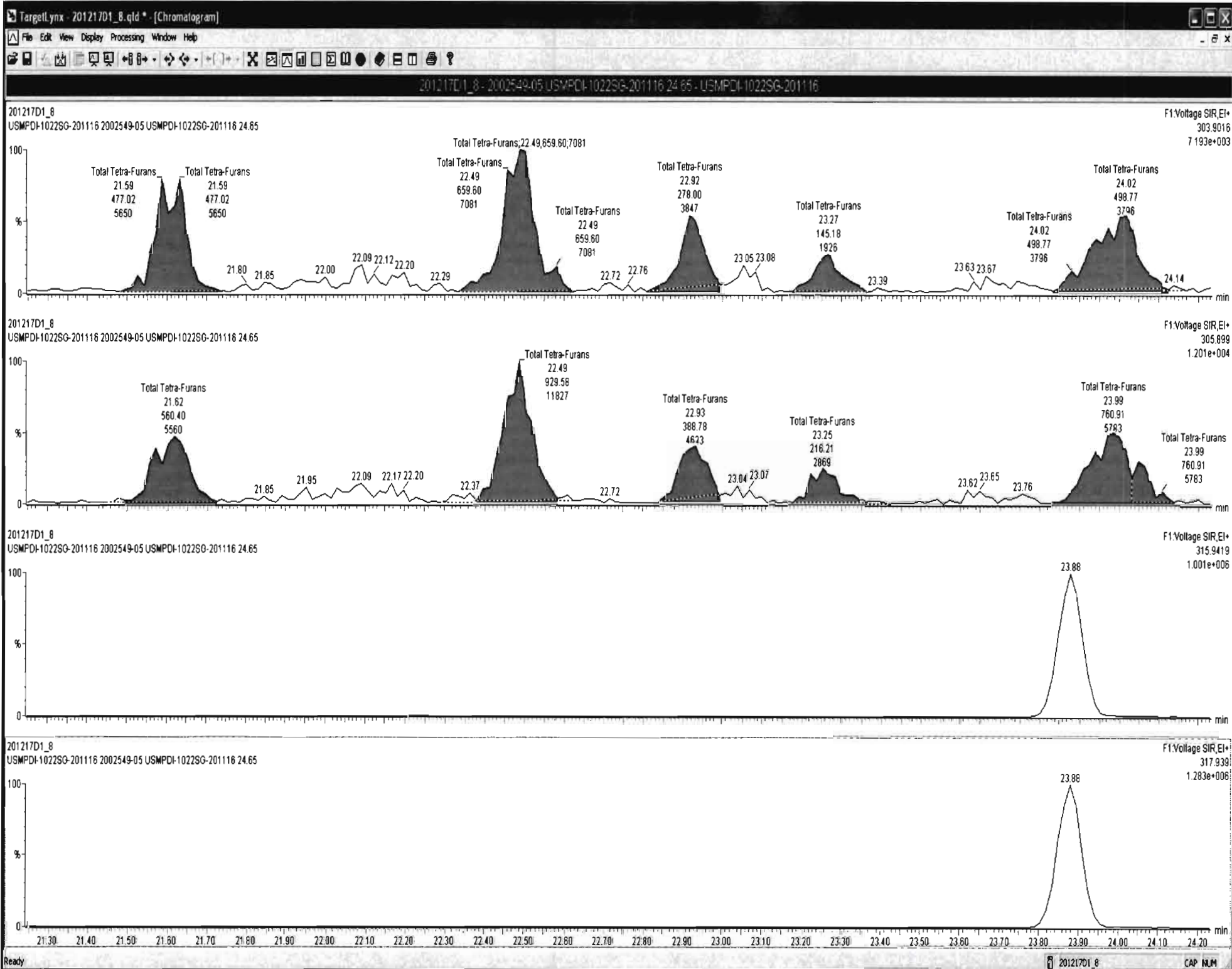


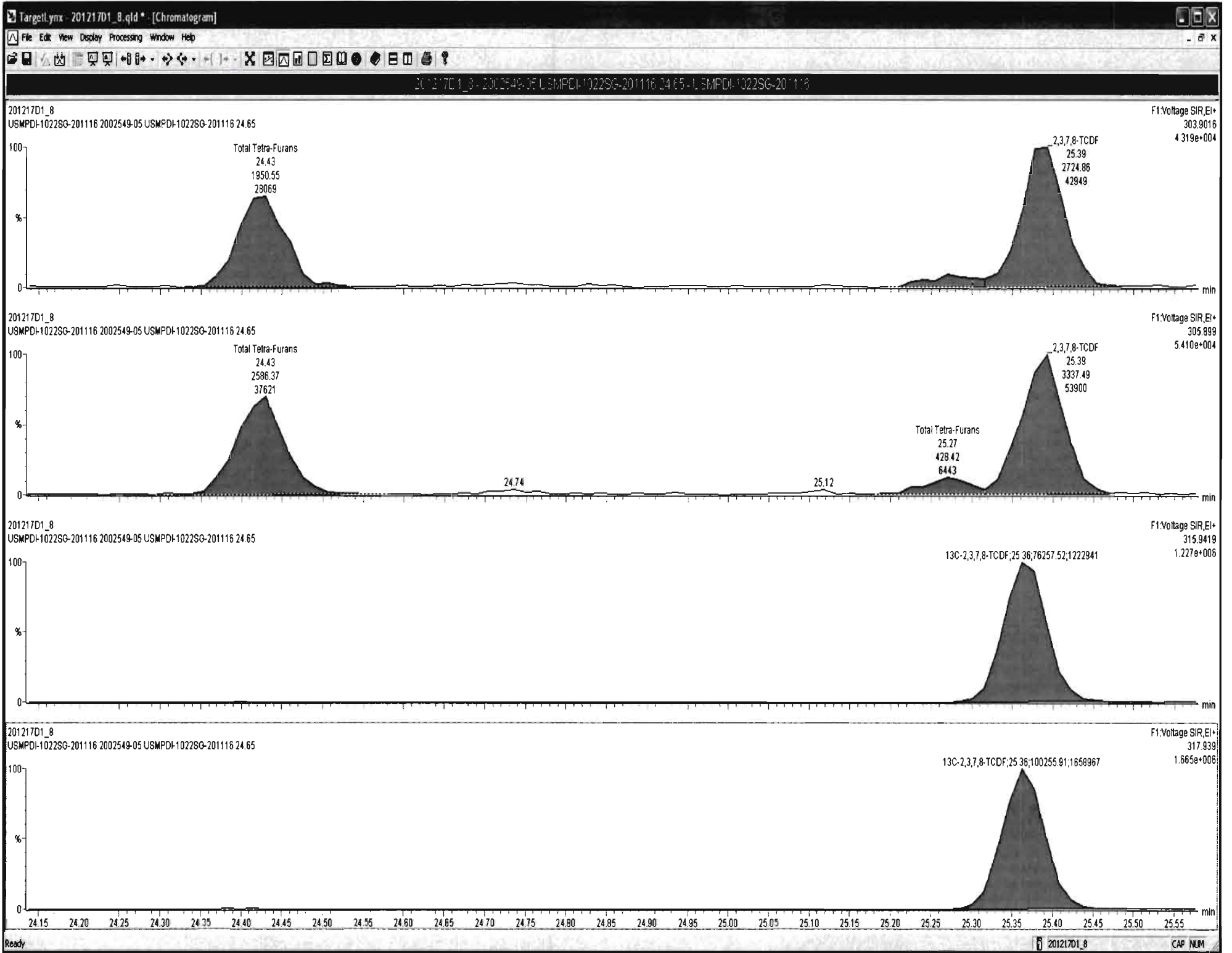
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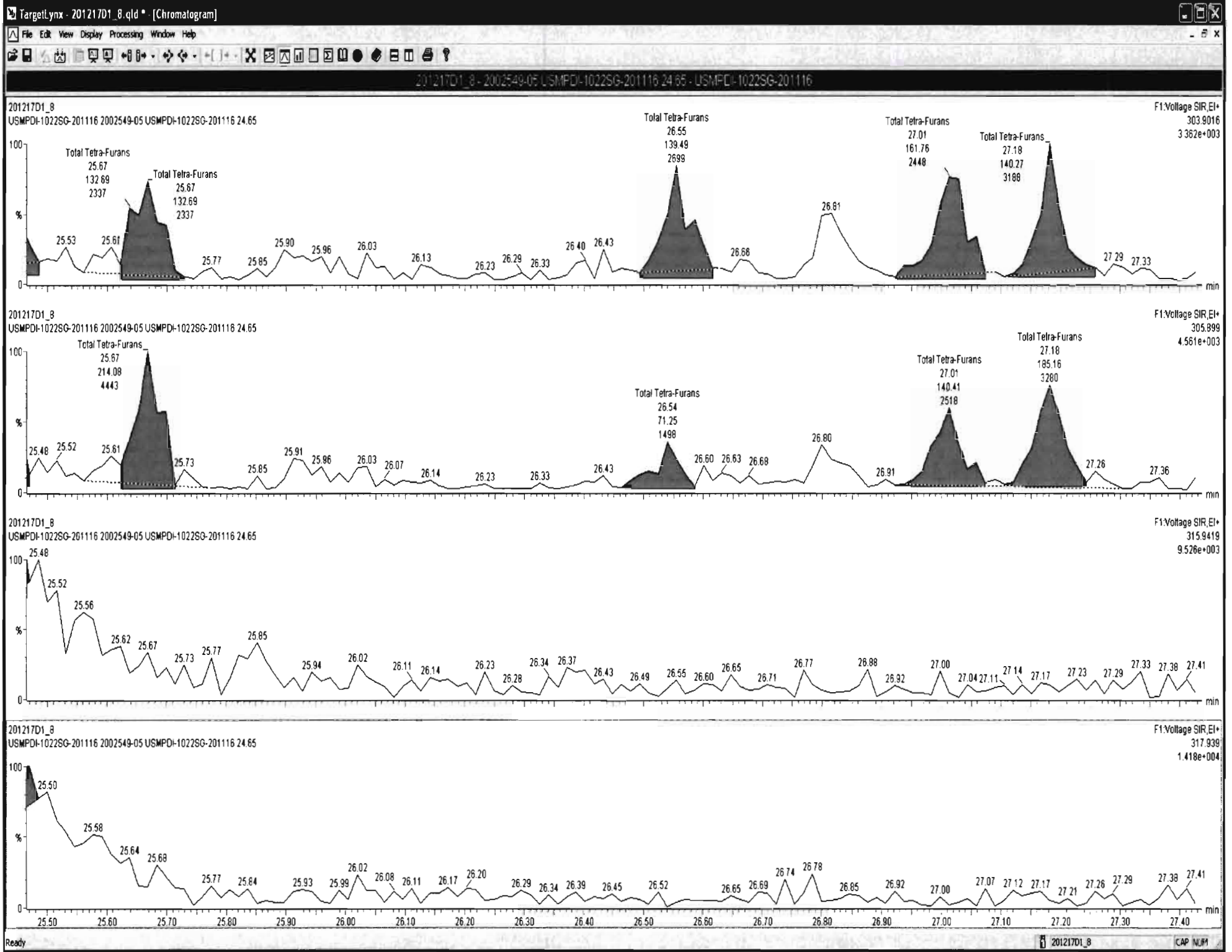


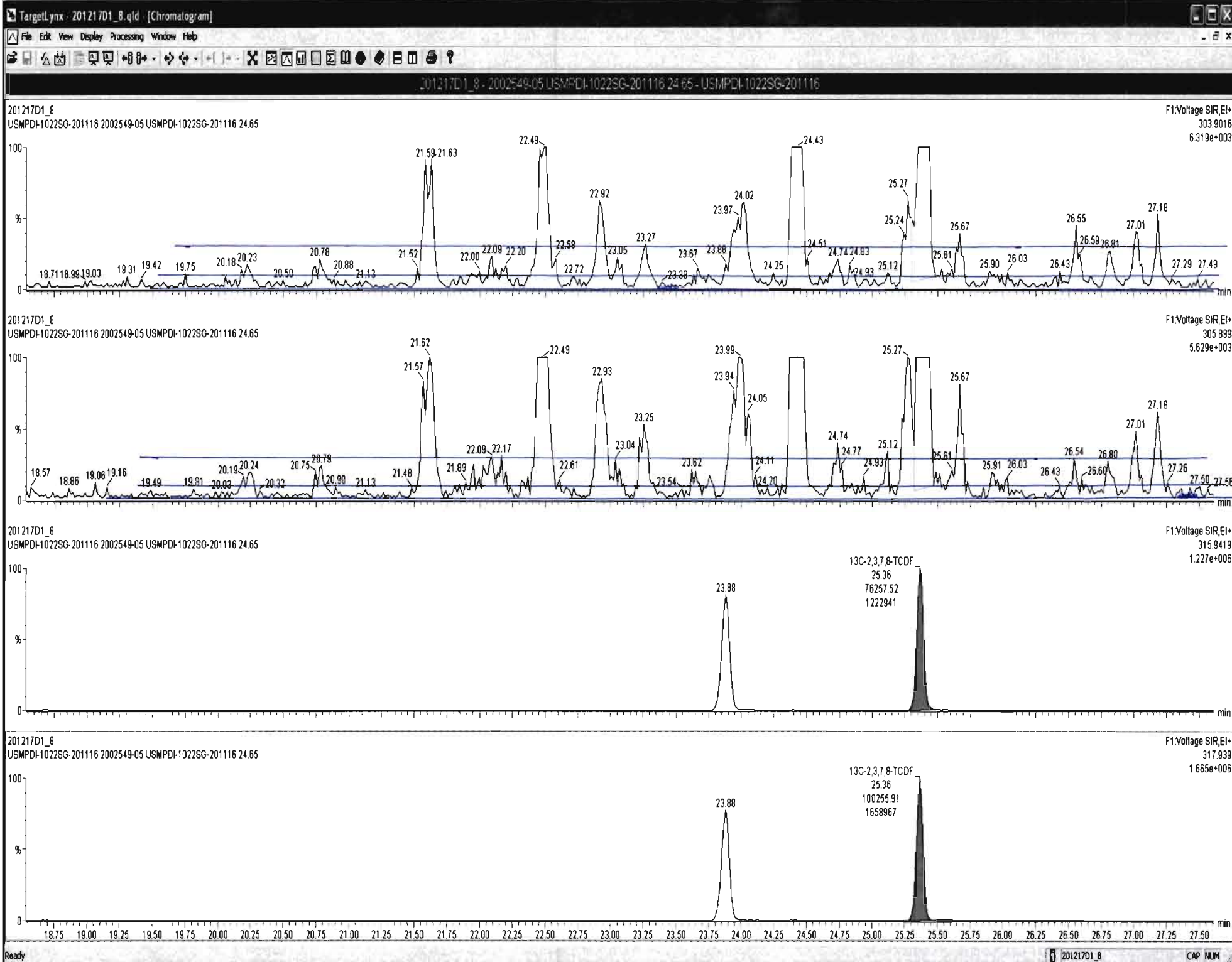
DPE1











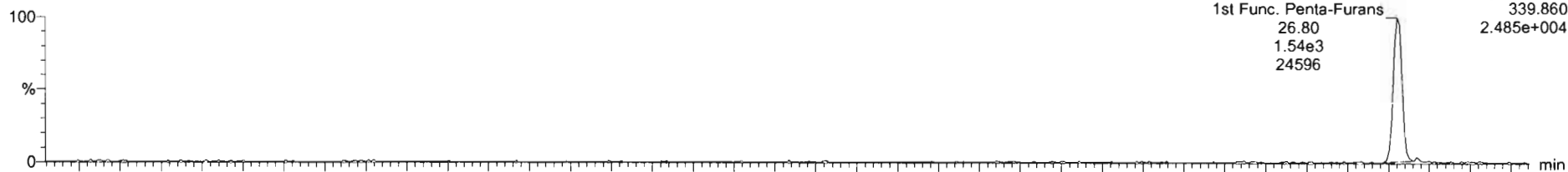
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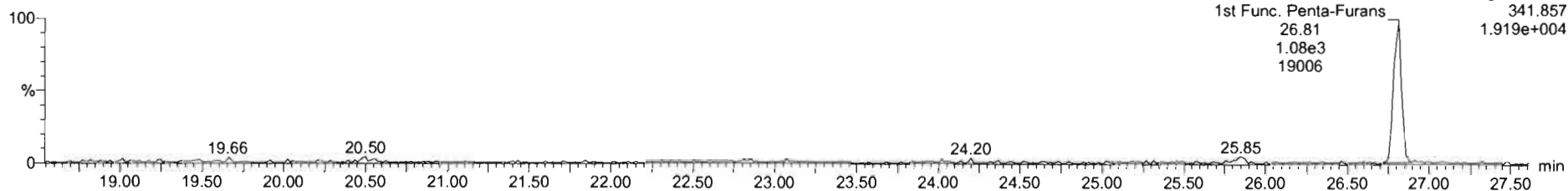
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1st Func. Penta-Furans

201217D1\_8

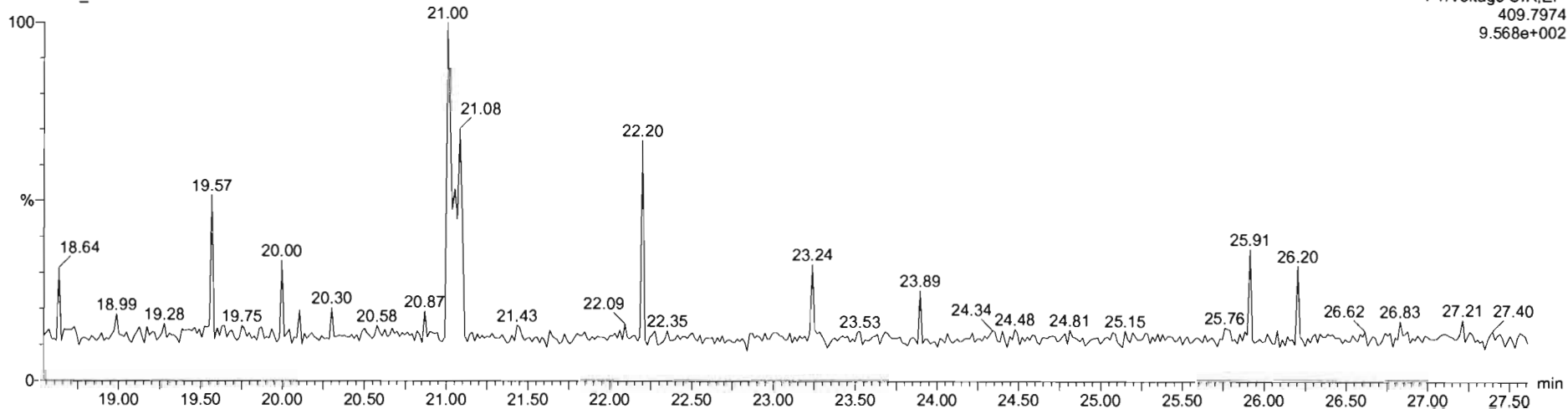


201217D1\_8



DPE6

201217D1\_8

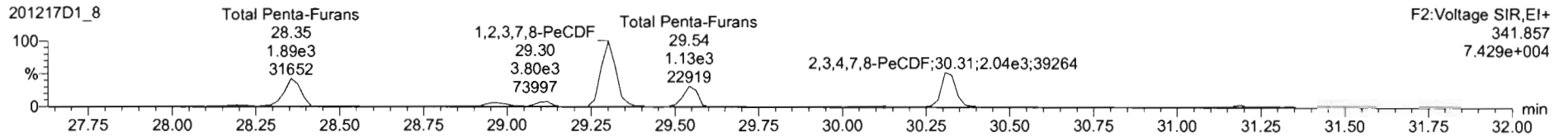
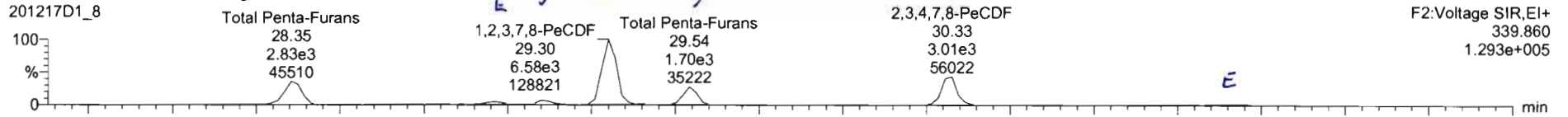


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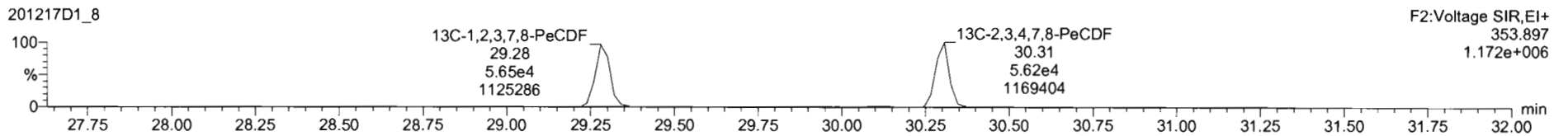
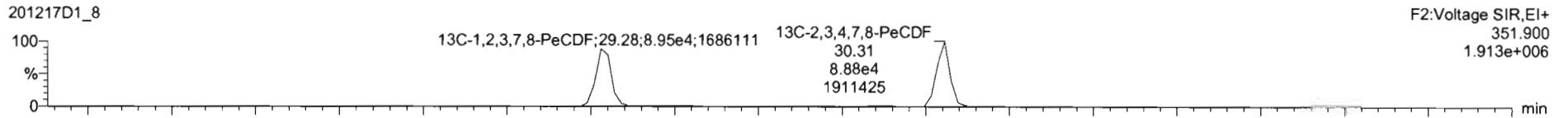
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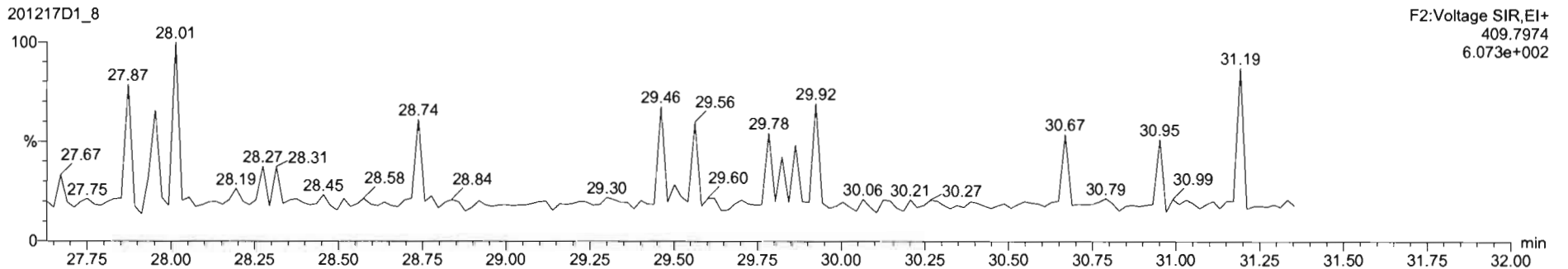
1,2,3,7,8-PeCDF



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



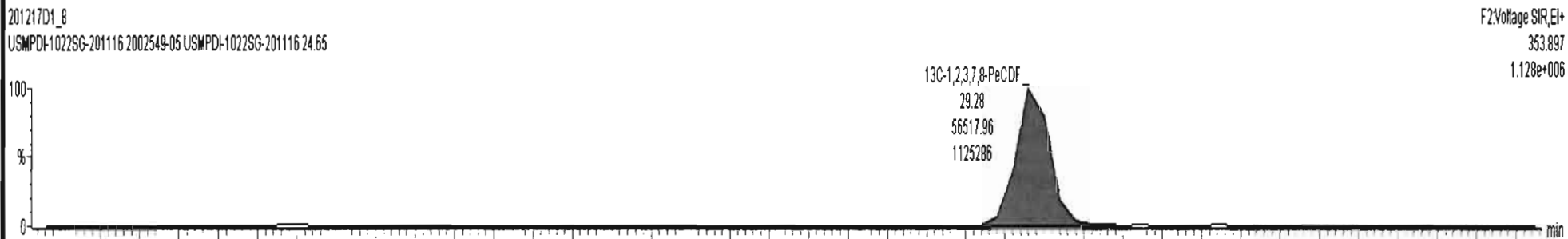
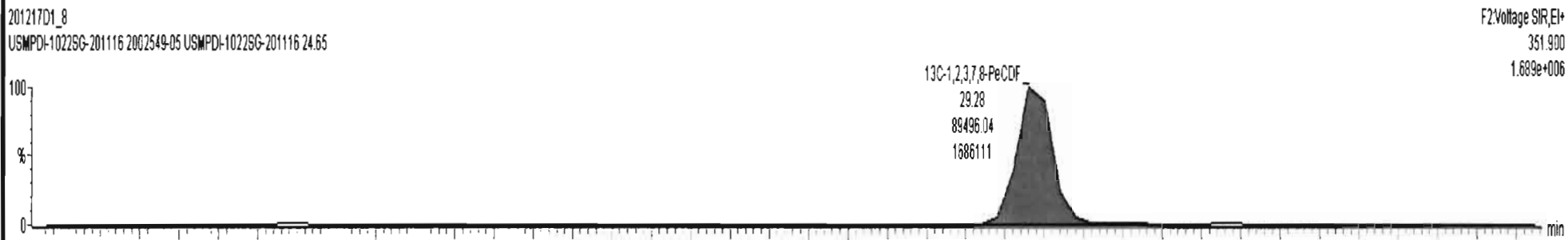
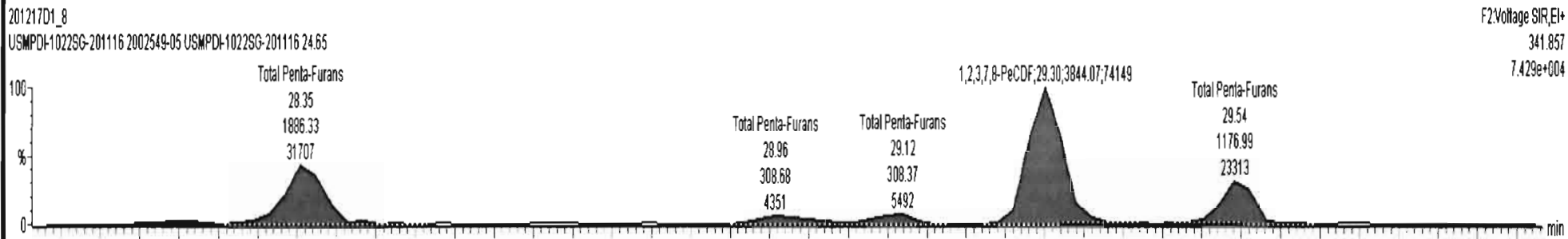
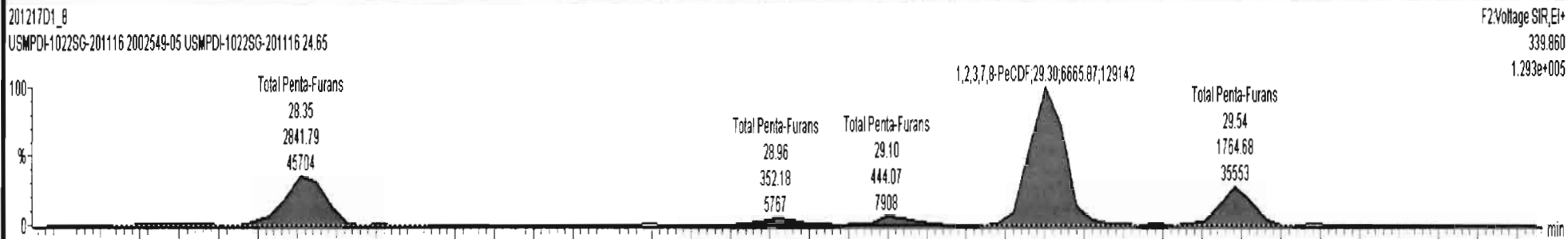
DPE2

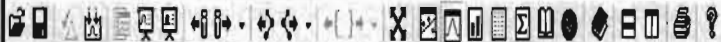




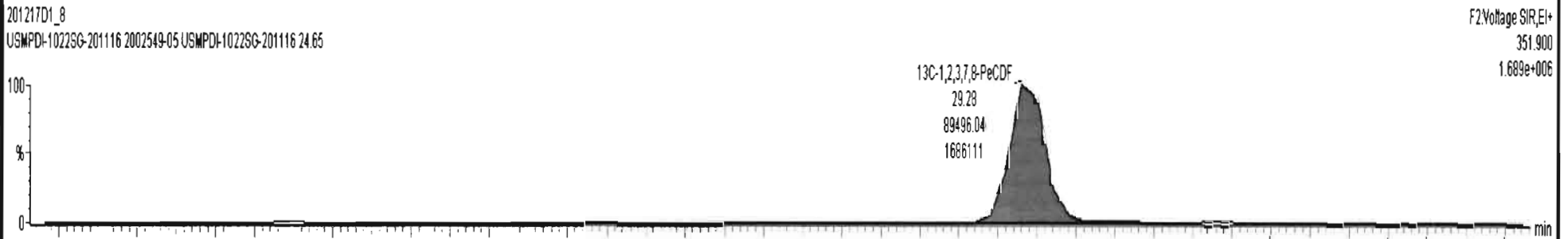
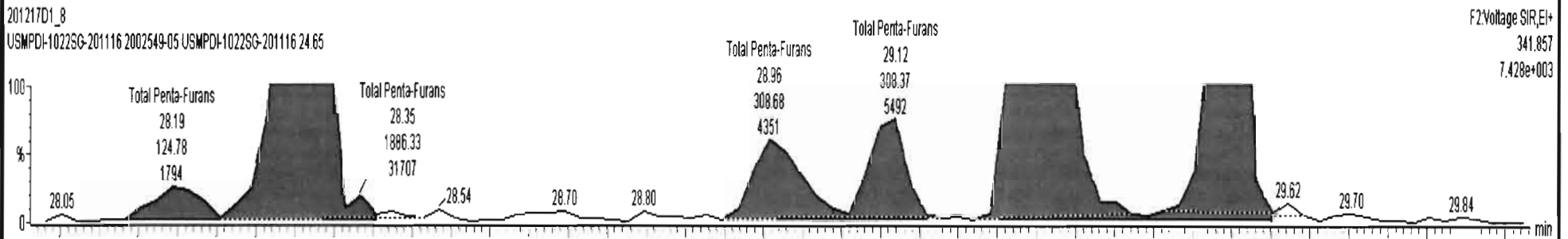
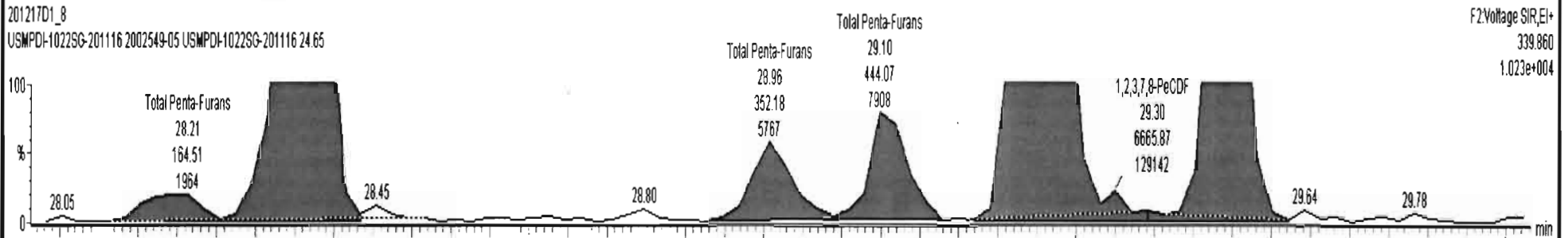


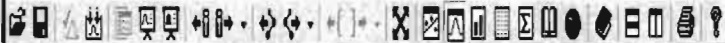
201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116



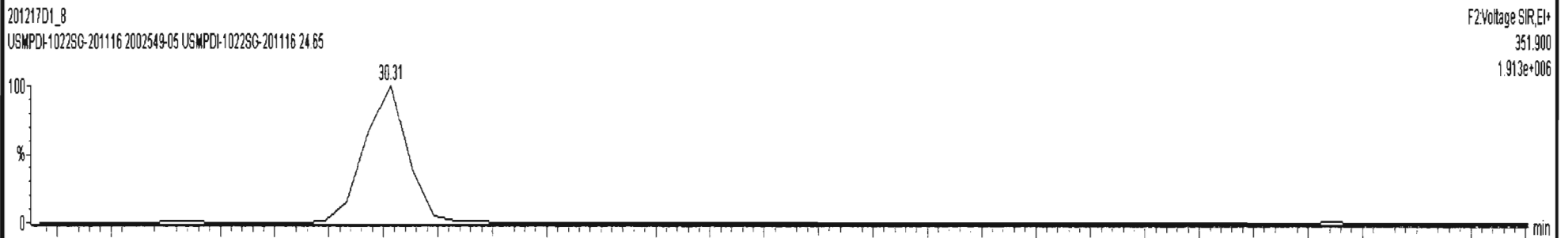
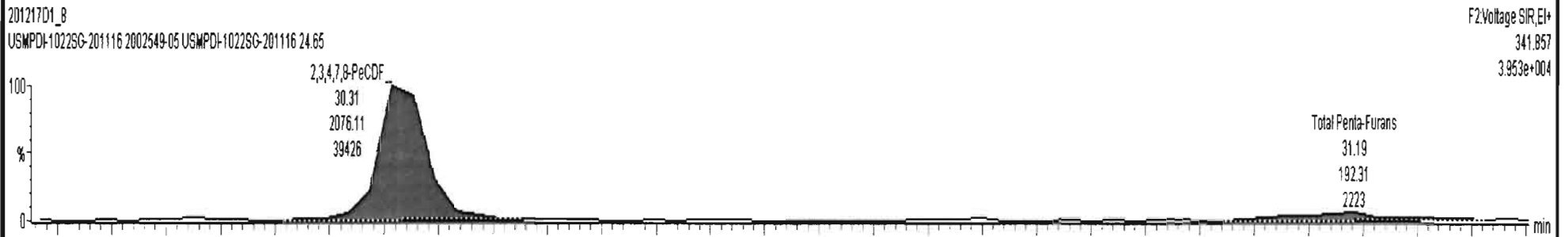
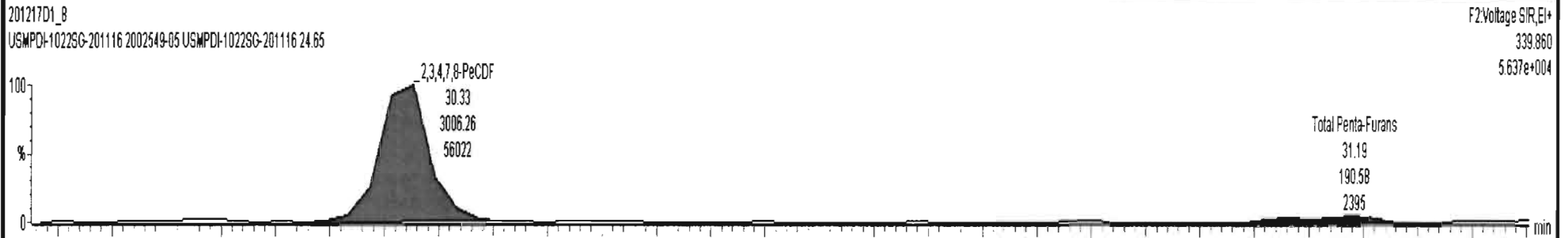


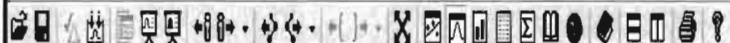
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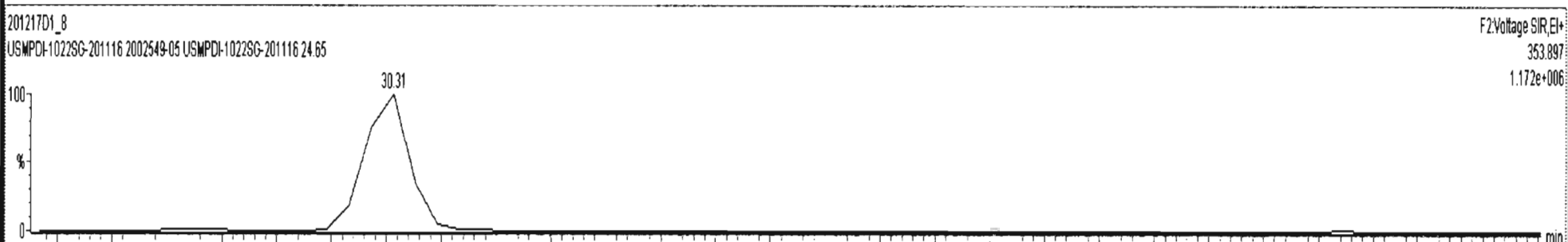
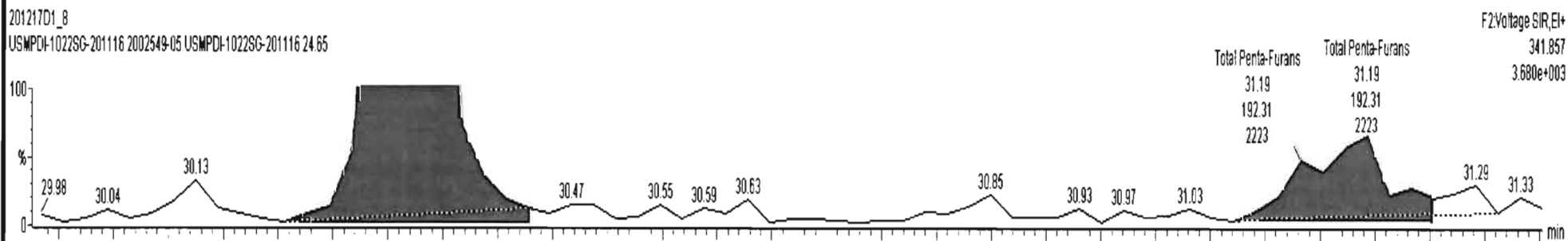
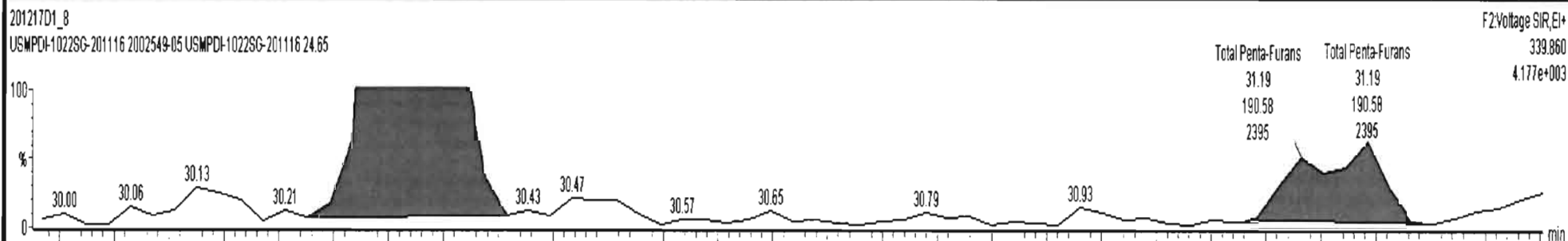


201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116





20121701\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116

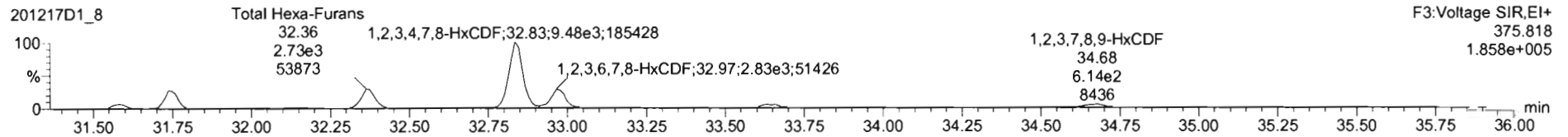
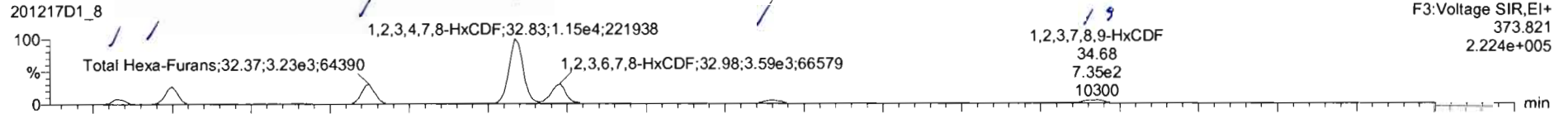


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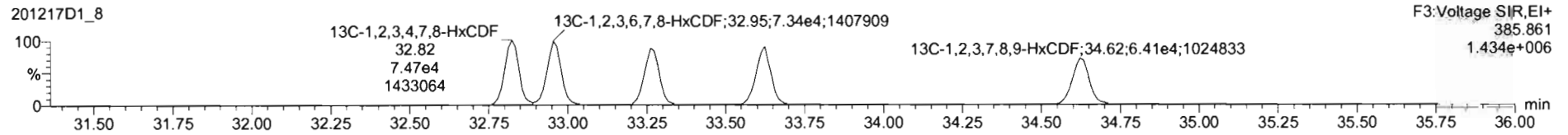
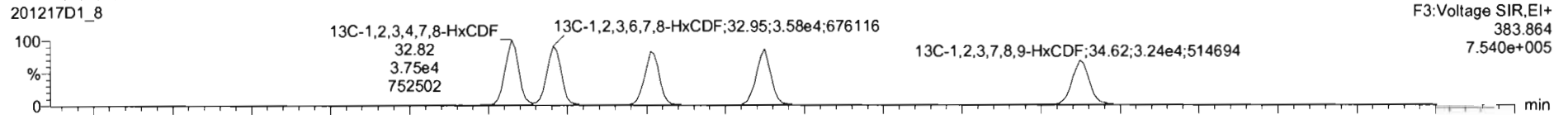
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Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

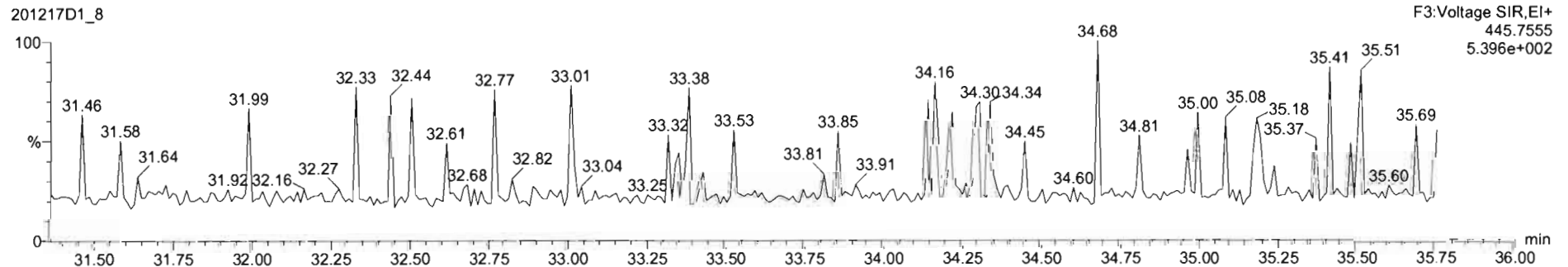
1,2,3,4,7,8-HxCDF



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



DPE3





201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116

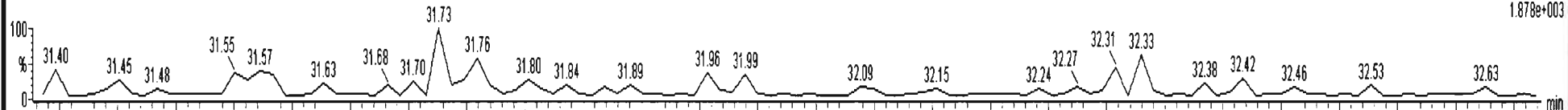
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USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 6.486e+004



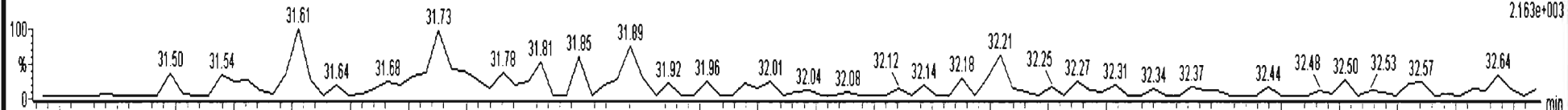
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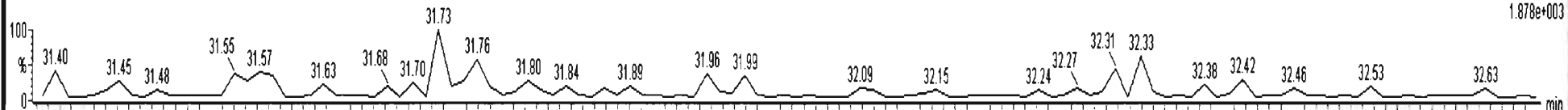
201217D1\_8 F3:Voltage SIR,EI+ 383.864  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 1.878e+003



201217D1\_8 F3:Voltage SIR,EI+ 385.861  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 2.163e+003



201217D1\_8 F3:Voltage SIR,EI+ 383.864  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 1.878e+003

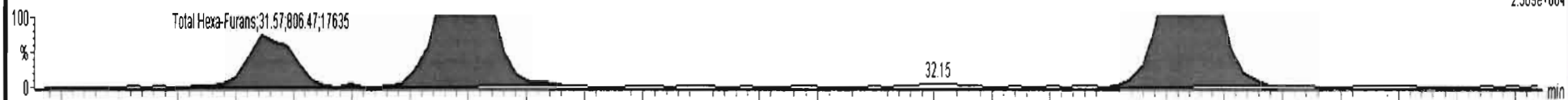


201217D1\_8 F3:Voltage SIR,EI+ 385.861  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65



201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116

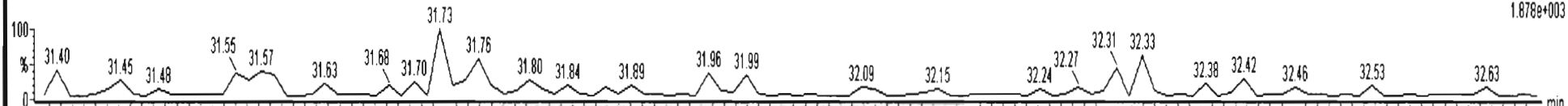
201217D1\_8  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65  
F3:Voltage SIR,EI+  
373.821  
2.369e+004



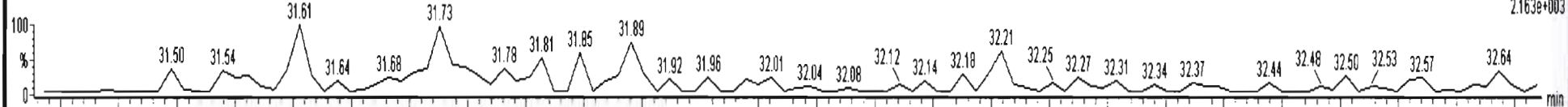
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USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65  
F3:Voltage SIR,EI+  
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1.667e+004



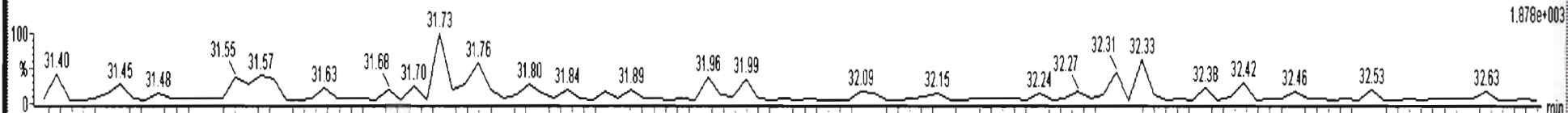
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USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65  
F3:Voltage SIR,EI+  
383.864  
1.878e+003



201217D1\_8  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65  
F3:Voltage SIR,EI+  
385.861  
2.163e+003



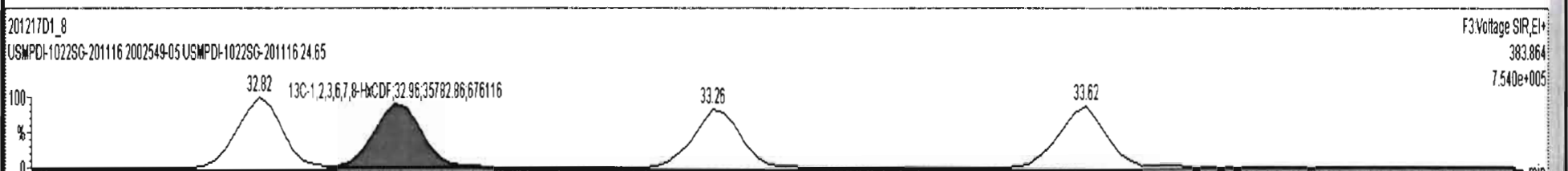
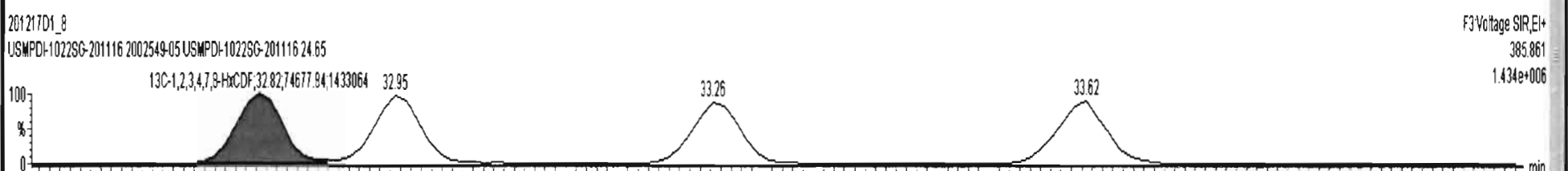
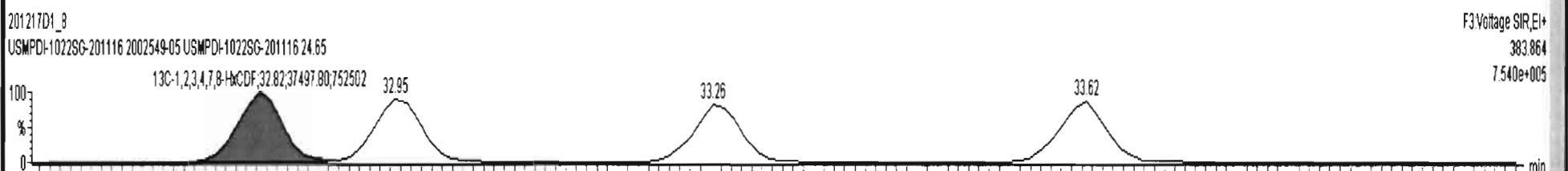
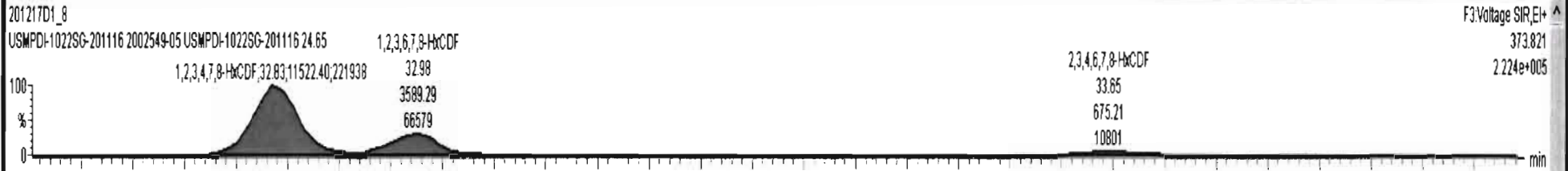
201217D1\_8  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65  
F3:Voltage SIR,EI+  
383.864  
1.878e+003



201217D1\_8  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65  
F3:Voltage SIR,EI+  
385.861



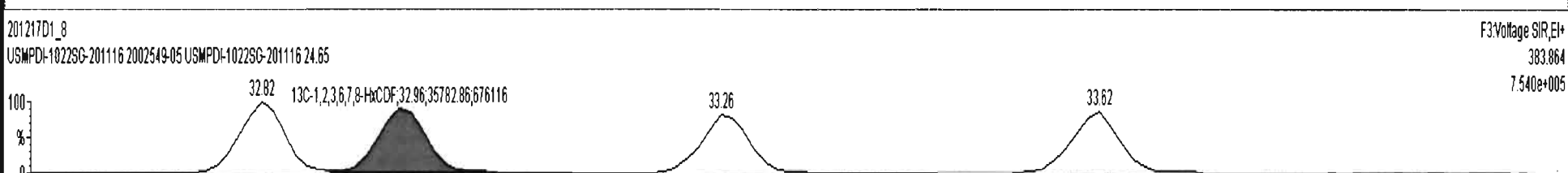
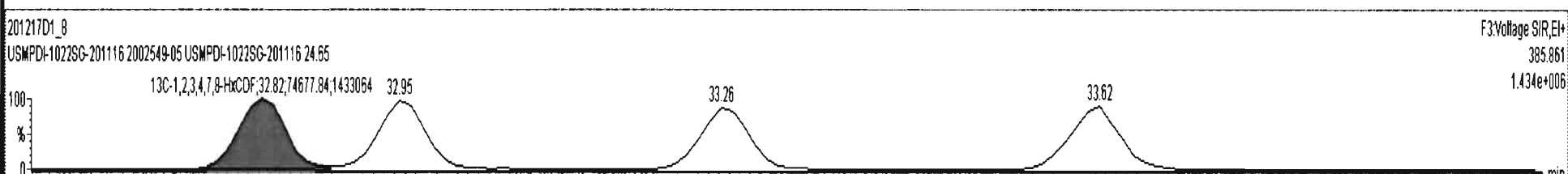
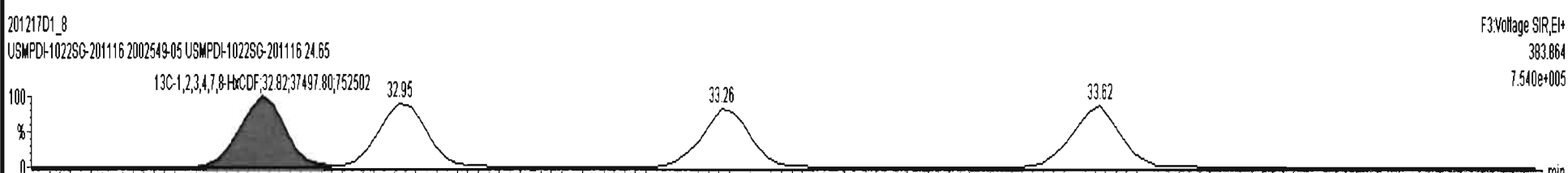
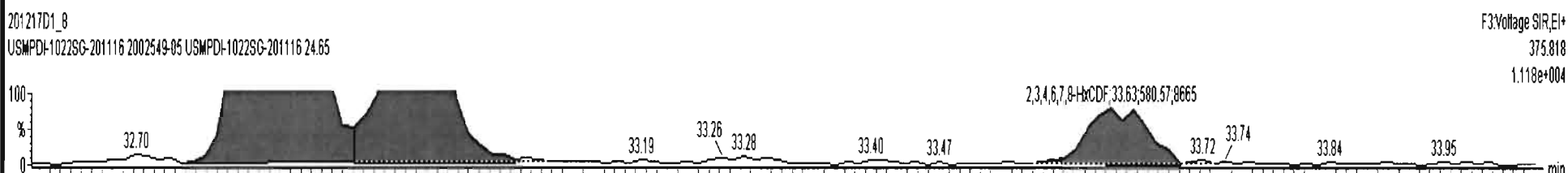
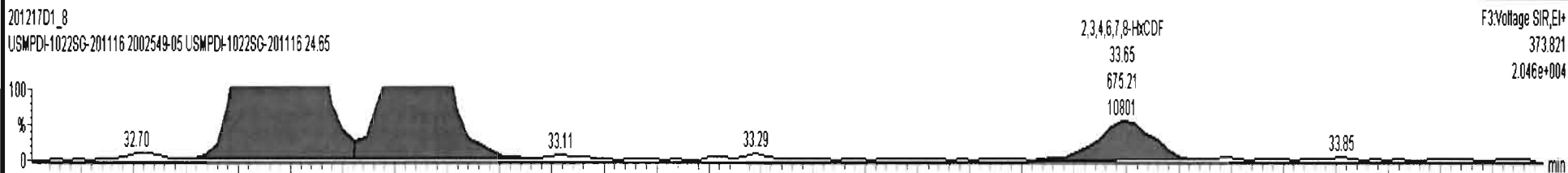
201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116







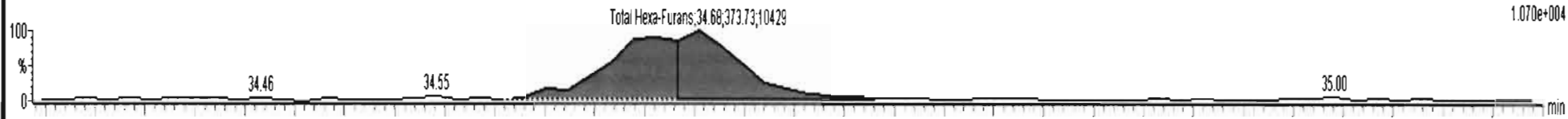
201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116



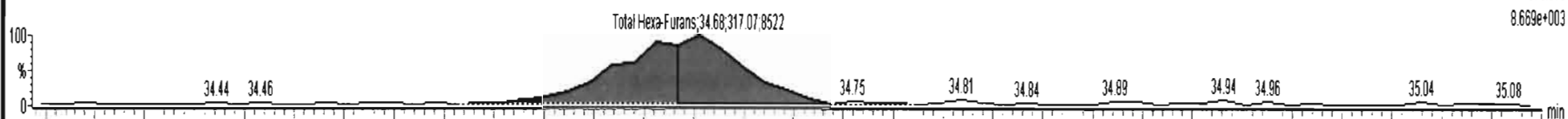


201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116

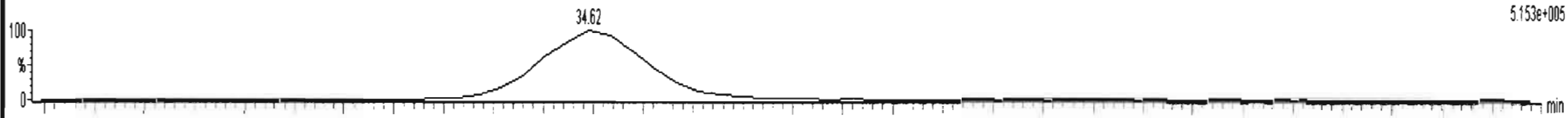
201217D1\_8 F3:Voltage SIR,El+ ^  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 373.821  
1.070e+004



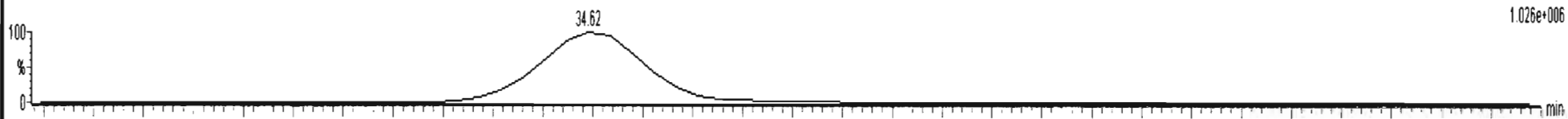
201217D1\_8 F3:Voltage SIR,El+  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 375.818  
8.669e+003



201217D1\_8 F3:Voltage SIR,El+  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 383.864  
5.153e+005



201217D1\_8 F3:Voltage SIR,El+  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 385.861  
1.026e+006



201217D1\_8 F3:Voltage SIR,El+  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 383.864  
5.153e+005



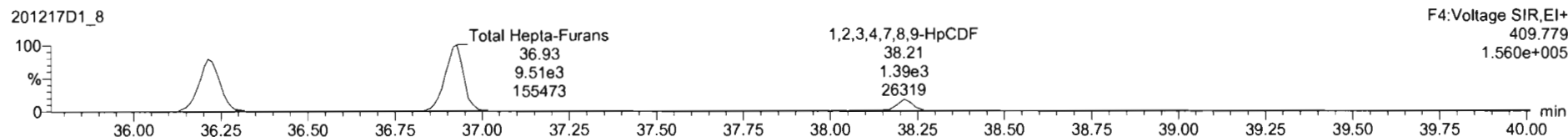
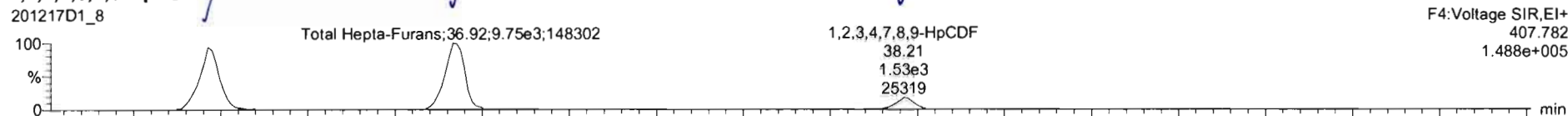
201217D1\_8 F3:Voltage SIR,El+  
USMPDI-1022SG-201116 2002549-05 USMPDI-1022SG-201116 24.65 385.861

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

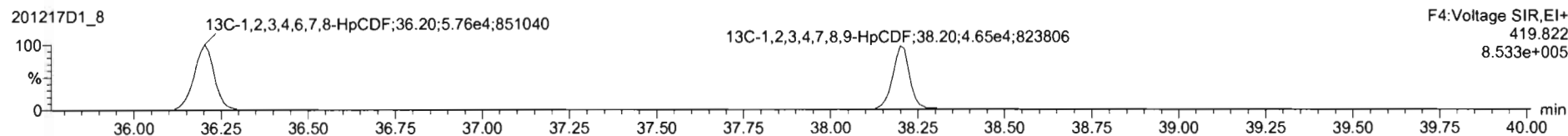
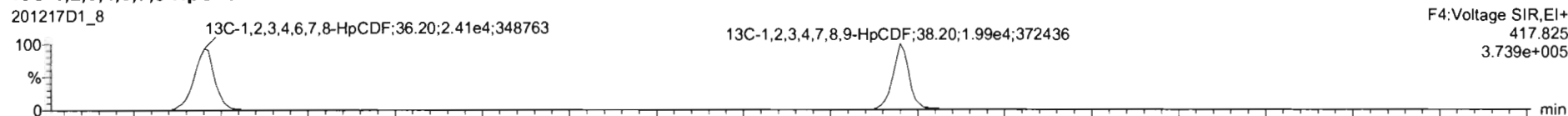
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Printed: Friday, December 18, 2020 09:41:57 Pacific Standard Time

Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116

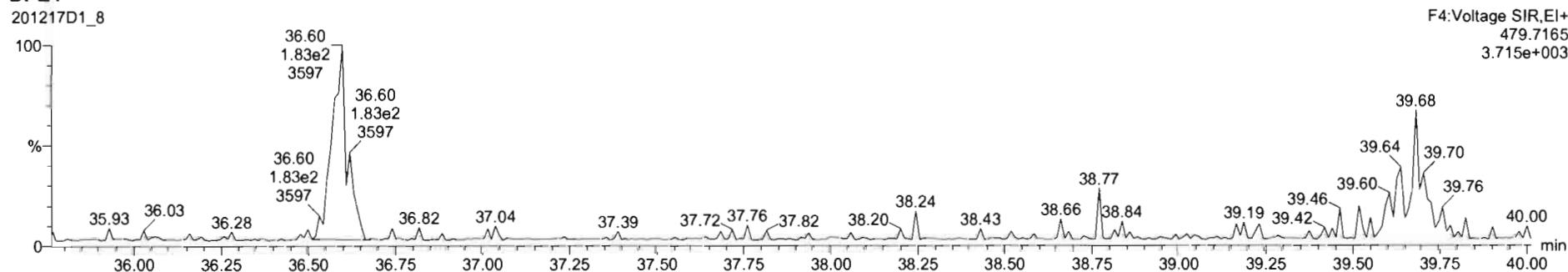
1,2,3,4,6,7,8-HpCDF

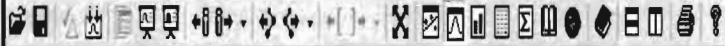


13C-1,2,3,4,6,7,8-HpCDF

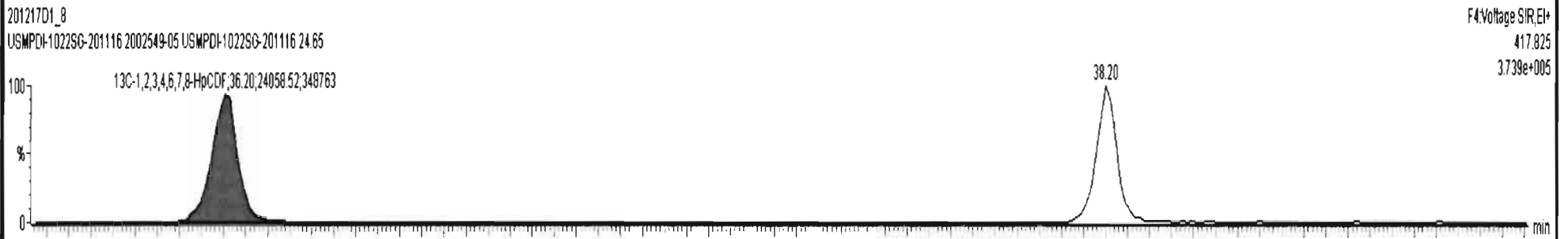


DPE4

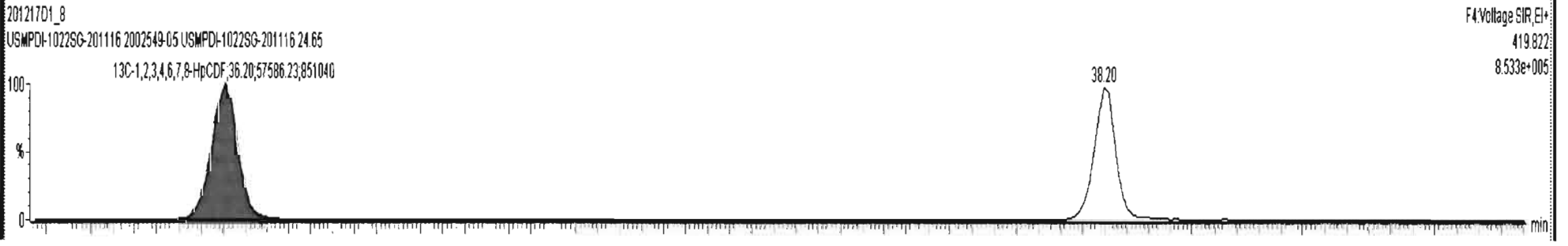
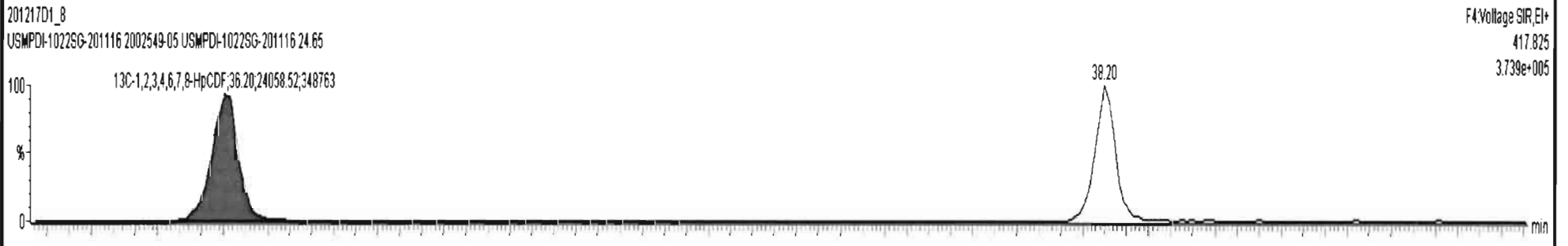
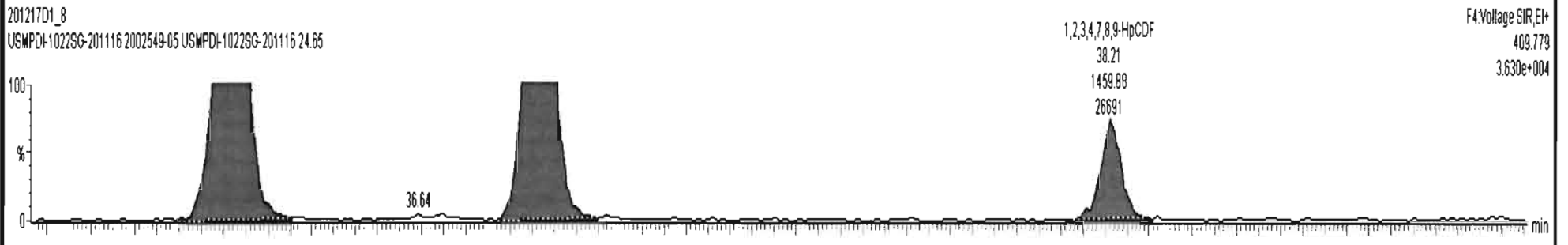
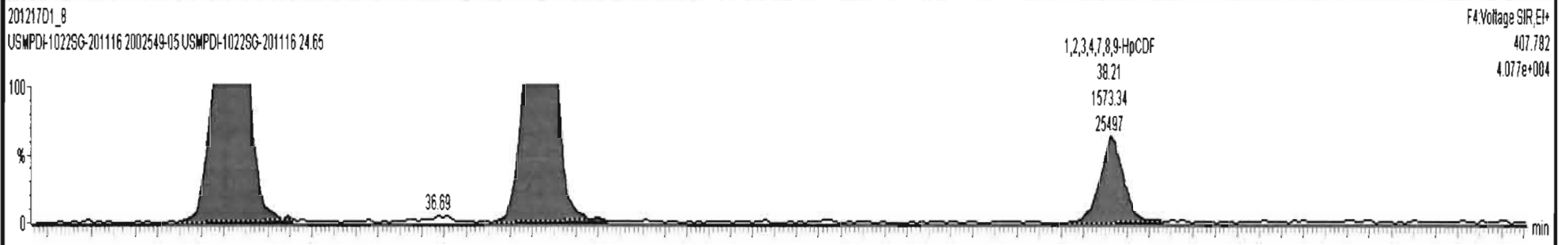




201217D1\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116



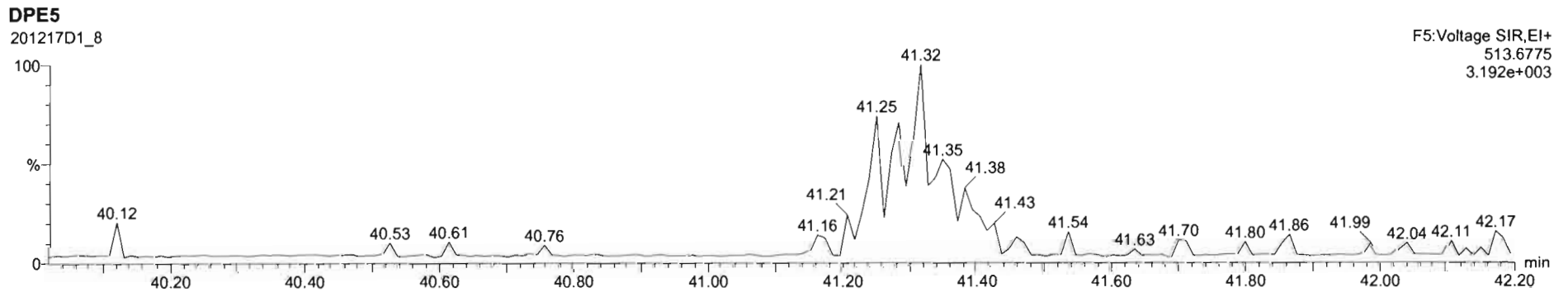
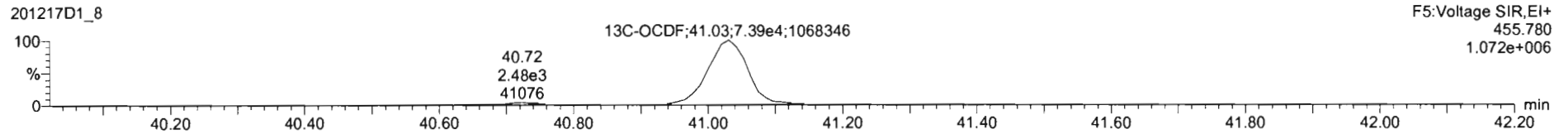
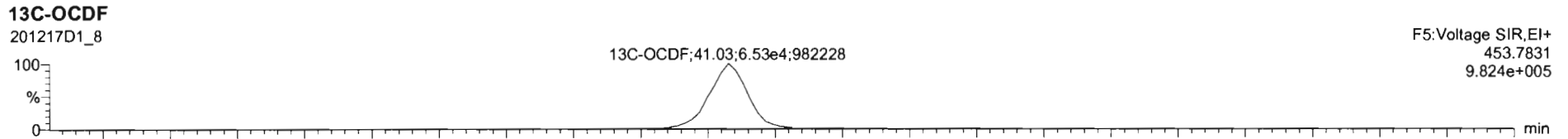
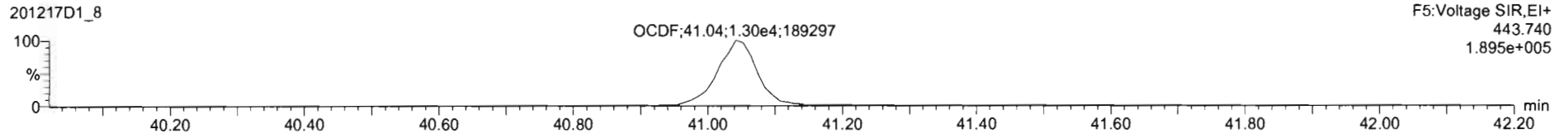
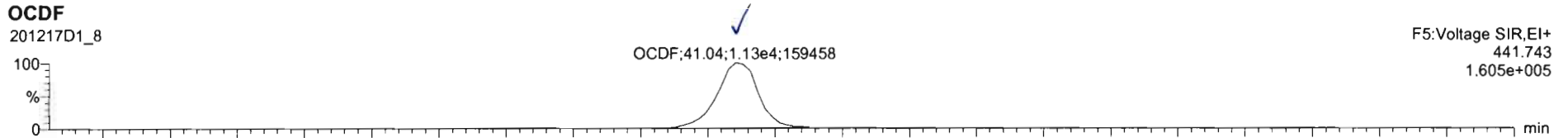
20121701\_8 - 2002549-05 USMPDI-1022SG-201116 24.65 - USMPDI-1022SG-201116



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

Last Altered: Friday, December 18, 2020 09:41:34 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:57 Pacific Standard Time

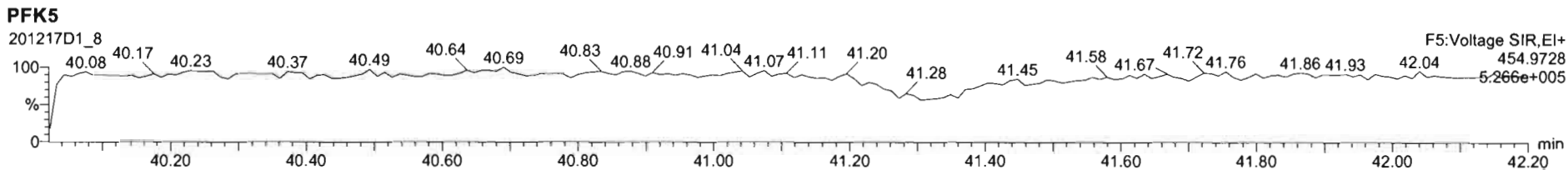
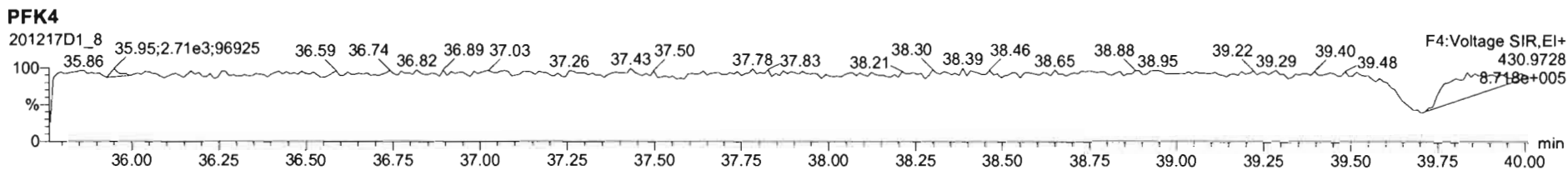
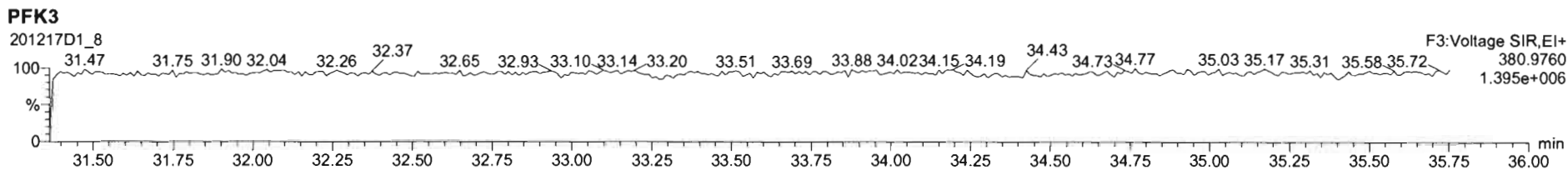
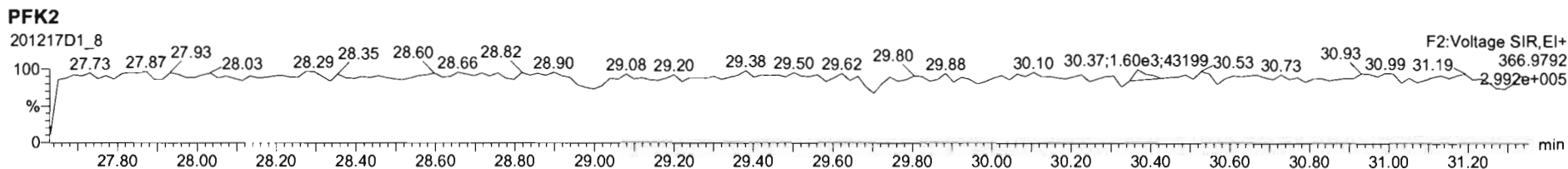
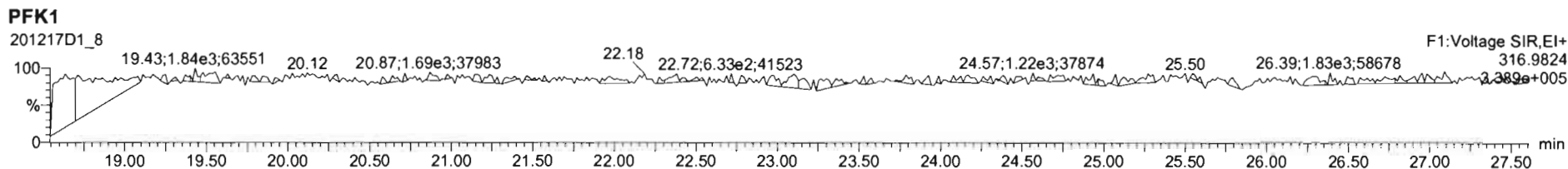
Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_8.qld

Last Altered: Friday, December 18, 2020 09:41:34 Pacific Standard Time  
Printed: Friday, December 18, 2020 09:41:57 Pacific Standard Time

Name: 201217D1\_8, Date: 17-Dec-2020, Time: 15:47:42, ID: 2002549-05 USMPDI-1022SG-201116 24.65, Description: USMPDI-1022SG-201116



**SAMPLE DATA – EPA METHOD 1668A**



Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

Last Altered: Tuesday, December 15, 2020 10:16:20 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 10:17:47 Pacific Standard Time

*Hz 12-15-2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

*7014  
12/23/20*

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	0.986	5.000	15.43		1.001		YES			0.286	
2	2 PCB-2	8.93e2	4.85	YES	1.02	5.000	17.83	17.83	0.988	0.988	NO	1.103		0.287	0.8213
3	3 PCB-3	1.29e3	4.32	YES	1.00	5.000	18.05	18.07	1.001	1.001	NO	1.713		0.288	1.329
4	4 PCB-4/10			NO	1.21	5.000	19.47		1.004		YES			2.09	
5	5 PCB-7/9			NO	0.939	5.000	21.27		1.003		YES			1.64	
6	6 PCB-6			NO	0.996	5.000	21.92		1.033		YES			1.55	
7	7 PCB-5/8			NO	0.976	5.000	22.32		1.052		YES			1.58	
8	8 PCB-14			NO	1.02	5.000	23.45		0.951		YES			1.67	
9	9 PCB-11			NO	1.12	5.000	24.67		1.001		YES			1.54	
10	10 PCB-12/13			NO	1.02	5.000	25.10		1.018		YES			1.68	
11	11 PCB-15			NO	1.02	5.000	25.38		1.030		YES			1.68	
12	12 PCB-19			NO	0.972	5.000	23.64		1.001		YES			0.407	
13	13 PCB-30			NO	1.54	5.000	24.55		1.040		YES			0.257	
14	14 PCB-18			NO	0.719	5.000	25.31		0.952		YES			0.395	
15	15 PCB-17			NO	0.672	5.000	25.48		0.958		YES			0.424	
16	16 PCB-24/27			NO	0.932	5.000	26.06		0.980		YES			0.305	
17	17 PCB-16/32			NO	0.824	5.000	26.61		1.001		YES			0.345	
18	18 PCB-34			NO	0.878	5.000	27.40		0.958		YES			0.333	
19	19 PCB-23			NO	0.892	5.000	27.50		0.962		YES			0.328	
20	20 PCB-29			NO	0.861	5.000	27.76		0.971		YES			0.340	
21	21 PCB-26			NO	0.915	5.000	27.99		0.979		YES			0.320	
22	22 PCB-25			NO	0.915	5.000	28.14		0.984		YES			0.320	
23	23 PCB-31			NO	1.03	5.000	28.51		0.997		YES			0.284	
24	24 PCB-28			NO	1.01	5.000	28.61		1.001		YES			0.288	
25	25 PCB-20/21/33			NO	0.913	5.000	29.25		1.023		YES			0.321	
26	26 PCB-22			NO	0.948	5.000	29.69		1.038		YES			0.309	
27	27 PCB-36			NO	1.07	5.000	30.36		0.932		YES			0.331	
28	28 PCB-39			NO	1.00	5.000	30.84		0.946		YES			0.353	
29	29 PCB-38	5.06e2	1.59	YES	1.05	5.000	31.63	31.61	0.970	0.970	NO	0.9133		0.387	0.7202
30	30 PCB-35			NO	1.05	5.000	32.17		0.987		YES			0.338	
31	31 PCB-37			NO	1.03	5.000	32.61		1.001		YES			0.344	
32	32 PCB-54			NO	0.974	5.000	27.46		1.001		YES			0.237	

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

Last Altered: Tuesday, December 15, 2020 10:16:20 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 10:17:47 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.803	5.000	28.66		1.044		YES			0.288	
34	34 PCB-53			NO	0.939	5.000	29.32		0.943		YES			0.324	
35	35 PCB-51			NO	1.00	5.000	29.68		0.955		YES			0.304	
36	36 PCB-45			NO	0.802	5.000	30.13		0.969		YES			0.379	
37	37 PCB-46			NO	0.770	5.000	30.63		0.985		YES			0.395	
38	38 PCB-52/69			NO	1.08	5.000	31.12		1.001		YES			0.281	
39	39 PCB-73			NO	1.31	5.000	31.24		1.005		YES			0.233	
40	40 PCB-43/49			NO	0.925	5.000	31.41		1.010		YES			0.329	
41	41 PCB-47			NO	0.863	5.000	31.63		1.001		YES			0.336	
42	42 PCB-48/75			NO	1.04	5.000	31.76		1.005		YES			0.280	
43	43 PCB-65			NO	1.16	5.000	32.04		1.014		YES			0.250	
44	44 PCB-62			NO	1.04	5.000	32.13		1.016		YES			0.280	
45	45 PCB-44			NO	0.757	5.000	32.46		1.027		YES			0.383	
46	46 PCB-42/59			NO	0.975	5.000	32.69		1.034		YES			0.298	
47	47 PCB-41/64/71/72			NO	1.12	5.000	33.29		1.053		YES			0.260	
48	48 PCB-68			NO	1.19	5.000	33.56		1.062		YES			0.244	
49	49 PCB-40			NO	0.572	5.000	33.79		1.069		YES			0.507	
50	50 PCB-57			NO	1.08	5.000	34.14		0.969		YES			0.229	
51	51 PCB-67			NO	1.02	5.000	34.45		0.978		YES			0.243	
52	52 PCB-58			NO	1.08	5.000	34.57		0.981		YES			0.228	
53	53 PCB-63			NO	0.971	5.000	34.74		0.986		YES			0.254	
54	54 PCB-74			NO	1.09	5.000	35.04		0.994		YES			0.227	
55	55 PCB-61/70			NO	0.978	5.000	35.25		1.000		YES			0.252	
56	56 PCB-76/66			NO	1.07	5.000	35.43		1.005		YES			0.230	
57	57 PCB-80			NO	1.08	5.000	35.69		1.001		YES			0.229	
58	58 PCB-55			NO	1.06	5.000	36.02		1.010		YES			0.232	
59	59 PCB-56/60			NO	0.946	5.000	36.53		1.024		YES			0.261	
60	60 PCB-79			NO	1.06	5.000	37.63		1.055		YES			0.233	
61	61 PCB-78			NO	1.01	5.000	38.34		0.987		YES			0.256	
62	62 PCB-81			NO	0.941	5.000	38.88		1.000		YES			0.274	
63	63 PCB-77			NO	1.03	5.000	39.50		1.000		YES			0.269	
64	64 PCB-104			NO	0.982	5.000	32.30		1.001		YES			0.289	
65	65 PCB-96			NO	0.982	5.000	33.59		1.041		YES			0.289	
66	66 PCB-103			NO	0.770	5.000	34.15		1.058		YES			0.369	
67	67 PCB-100			NO	0.805	5.000	34.52		1.070		YES			0.353	
68	68 PCB-94			NO	0.831	5.000	34.99		0.985		YES			0.471	

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

Last Altered: Tuesday, December 15, 2020 10:16:20 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 10:17:47 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.07	5.000	35.48		0.999		YES			0.366	
70	70 PCB-93			NO	0.761	5.000	35.63		1.003		YES			0.514	
71	71 PCB-88/91			NO	0.910	5.000	35.96		1.012		YES			0.430	
72	72 PCB-121			NO	1.46	5.000	36.07		1.015		YES			0.267	
73	73 PCB-84/92			NO	0.826	5.000	36.91		0.990		YES			0.438	
74	74 PCB-89			NO	0.885	5.000	37.09		0.995		YES			0.408	
75	75 PCB-90/101			NO	0.905	5.000	37.30		1.000		YES			0.400	
76	76 PCB-113			NO	1.26	5.000	37.54		1.007		YES			0.287	
77	77 PCB-99			NO	0.993	5.000	37.64		1.010		YES			0.364	
78	78 PCB-119			NO	1.53	5.000	38.12		0.987		YES			0.291	
79	79 PCB-108/112			NO	1.25	5.000	38.28		0.991		YES			0.357	
80	80 PCB-83			NO	1.56	5.000	38.44		0.995		YES			0.286	
81	81 PCB-97			NO	1.12	5.000	38.64		1.000		YES			0.396	
82	82 PCB-86			NO	1.06	5.000	38.79		1.004		YES			0.420	
83	83 PCB-87/117/125			NO	1.34	5.000	38.93		1.008		YES			0.332	
84	84 PCB-111/115			NO	1.62	5.000	39.09		1.012		YES			0.275	
85	85 PCB-85/116			NO	1.23	5.000	39.21		1.015		YES			0.361	
86	86 PCB-120			NO	1.79	5.000	39.48		1.022		YES			0.248	
87	87 PCB-110			NO	1.50	5.000	39.63		1.026		YES			0.297	
88	88 PCB-82			NO	0.638	5.000	40.28		0.976		YES			0.507	
89	89 PCB-124			NO	1.08	5.000	41.00		0.993		YES			0.300	
90	90 PCB-107/109			NO	1.11	5.000	41.14		0.996		YES			0.292	
91	91 PCB-123			NO	1.00	5.000	41.30		1.000		YES			0.323	
92	92 PCB-106/118			NO	1.02	5.000	41.51		1.001		YES			0.313	
93	93 PCB-114			NO	1.08	5.000	42.17		1.000		YES			0.297	
94	94 PCB-122			NO	0.930	5.000	42.32		1.004		YES			0.346	
95	95 PCB-105			NO	1.03	5.000	43.04		1.000		YES			0.295	
96	96 PCB-127			NO	1.06	5.000	43.40		1.000		YES			0.267	
97	97 PCB-126			NO	1.15	5.000	45.35		1.000		YES			0.275	
98	98 PCB-155			NO	0.853	5.000	36.84		1.000		YES			0.231	
99	99 PCB-150			NO	0.934	5.000	38.14		1.036		YES			0.211	
100	1... PCB-152			NO	1.02	5.000	38.64		1.049		YES			0.194	
101	1... PCB-145			NO	0.983	5.000	39.11		1.062		YES			0.201	
102	1... PCB-136			NO	0.881	5.000	39.42		1.071		YES			0.224	
103	1... PCB-148			NO	0.666	5.000	39.55		1.074		YES			0.296	
104	1... PCB-154			NO	0.721	5.000	40.05		1.088		YES			0.274	

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

Last Altered: Tuesday, December 15, 2020 10:16:20 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 10:17:47 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.674	5.000	40.72		1.106		YES			0.292	
106	1... PCB-135			NO	0.723	5.000	40.95		1.112		YES			0.273	
107	1... PCB-144			NO	0.691	5.000	41.04		1.115		YES			0.285	
108	1... PCB-147			NO	0.713	5.000	41.18		1.119		YES			0.277	
109	1... PCB-139/149	1.48e2	1.32	NO	0.773	5.000	41.46	41.41	1.126	1.125	NO	0.4892		0.255	0.4892
110	1... PCB-140			NO	0.652	5.000	41.66		1.131		YES			0.302	
111	1... PCB-134/143			NO	0.718	5.000	42.07		0.974		YES			0.377	
112	1... PCB-131/133			NO	0.768	5.000	42.40		0.982		YES			0.352	
113	1... PCB-142			NO	0.687	5.000	42.55		0.985		YES			0.393	
114	1... PCB-146/165			NO	0.943	5.000	42.79		0.991		YES			0.287	
115	1... PCB-132/161			NO	0.957	5.000	43.04		0.997		YES			0.282	
116	1... PCB-153			NO	0.990	5.000	43.23		1.001		YES			0.273	
117	1... PCB-168			NO	1.03	5.000	43.44		1.006		YES			0.261	
118	1... PCB-141			NO	0.948	5.000	43.98		1.000		YES			0.336	
119	1... PCB-137			NO	0.964	5.000	44.36		1.009		YES			0.331	
120	1... PCB-130			NO	0.816	5.000	44.48		1.012		YES			0.390	
121	1... PCB-138/163/164			NO	1.15	5.000	44.88		1.001		YES			0.271	
122	1... PCB-158/160			NO	1.14	5.000	45.12		1.007		YES			0.275	
123	1... PCB-129			NO	0.807	5.000	45.37		1.012		YES			0.388	
124	1... PCB-166			NO	1.03	5.000	45.85		0.993		YES			0.256	
125	1... PCB-159			NO	1.10	5.000	46.18		1.000		YES			0.241	
126	1... PCB-128/162			NO	0.836	5.000	46.47		1.007		YES			0.316	
127	1... PCB-167			NO	0.960	5.000	46.88		1.000		YES			0.263	
128	1... PCB-156			NO	1.06	5.000	48.21		1.000		YES			0.249	
129	1... PCB-157			NO	0.960	5.000	48.50		1.000		YES			0.293	
130	1... PCB-169			NO	1.04	5.000	50.77		1.000		YES			0.267	
131	1... PCB-188			NO	1.15	5.000	42.85		1.001		YES			0.161	
132	1... PCB-184			NO	1.14	5.000	43.30		1.011		YES			0.163	
133	1... PCB-179			NO	1.07	5.000	44.10		1.030		YES			0.173	
134	1... PCB-176			NO	1.11	5.000	44.57		1.041		YES			0.167	
135	1... PCB-186			NO	1.23	5.000	45.20		1.056		YES			0.151	
136	1... PCB-178			NO	0.830	5.000	45.73		1.068		YES			0.224	
137	1... PCB-175			NO	0.853	5.000	46.07		1.076		YES			0.218	
138	1... PCB-182/187			NO	0.942	5.000	46.26		1.081		YES			0.197	
139	1... PCB-183			NO	0.910	5.000	46.58		1.088		YES			0.204	
140	1... PCB-185			NO	1.24	5.000	47.26		0.954		YES			0.237	

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

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Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.20	5.000	47.64		0.962		YES			0.245	
142	1... PCB-181			NO	1.33	5.000	47.74		0.964		YES			0.221	
143	1... PCB-177			NO	1.14	5.000	47.93		0.968		YES			0.257	
144	1... PCB-171			NO	1.22	5.000	48.22		0.974		YES			0.241	
145	1... PCB-173			NO	1.07	5.000	48.67		0.983		YES			0.275	
146	1... PCB-172			NO	1.26	5.000	49.12		0.992		YES			0.234	
147	1... PCB-192			NO	1.61	5.000	49.33		0.996		YES			0.182	
148	1... PCB-180			NO	1.30	5.000	49.54		1.000		YES			0.226	
149	1... PCB-193			NO	1.47	5.000	49.74		1.004		YES			0.200	
150	1... PCB-191			NO	1.51	5.000	50.01		1.010		YES			0.195	
151	1... PCB-170			NO	1.23	5.000	51.21		1.000		YES			0.256	
152	1... PCB-190			NO	1.61	5.000	51.42		1.005		YES			0.196	
153	1... PCB-189			NO	1.27	5.000	52.91		1.000		YES			0.170	
154	1... PCB-202			NO	0.995	5.000	48.46		1.001		YES			0.191	
155	1... PCB-201			NO	0.904	5.000	48.93		1.010		YES			0.210	
156	1... PCB-204			NO	0.955	5.000	49.08		1.014		YES			0.199	
157	1... PCB-197			NO	0.964	5.000	49.40		1.020		YES			0.197	
158	1... PCB-200			NO	0.911	5.000	50.33		1.039		YES			0.209	
159	1... PCB-198			NO	0.696	5.000	51.89		1.072		YES			0.273	
160	1... PCB-199			NO	0.706	5.000	52.02		1.074		YES			0.269	
161	1... PCB-196/203			NO	0.754	5.000	52.32		1.081		YES			0.252	
162	1... PCB-195			NO	0.957	5.000	53.61		0.984		YES			0.221	
163	1... PCB-194	1.91e2	0.93	NO	1.06	5.000	54.52	54.54	1.000	1.001	NO	0.9298		0.200	0.9298
164	1... PCB-205			NO	1.27	5.000	54.80		1.005		YES			0.167	
165	1... PCB-208			NO	0.861	5.000	53.76		1.000		YES			0.100	
166	1... PCB-207			NO	0.849	5.000	54.10		1.007		YES			0.102	
167	1... PCB-206			NO	0.951	5.000	56.06		1.000		YES			0.127	
168	1... PCB-209			NO	0.863	5.000	57.30		1.000		YES			0.0680	
169	1... 13C-PCB-1	1.48e6	3.24	NO	0.937	5.000	15.42	15.42	0.608	0.608	NO	1391	69.6	1.90	
170	1... 13C-PCB-3	1.50e6	3.10	NO	0.934	5.000	18.05	18.04	0.712	0.712	NO	1420	71.0	1.91	
171	1... 13C-PCB-4	8.52e5	1.59	NO	0.599	5.000	19.40	19.39	0.765	0.765	NO	1255	62.7	0.633	
172	1... 13C-PCB-9	1.41e6	1.57	NO	0.960	5.000	21.21	21.21	0.836	0.836	NO	1292	64.6	0.395	
173	1... 13C-PCB-11	1.35e6	1.60	NO	0.929	5.000	24.64	24.65	0.971	0.972	NO	1285	64.2	0.408	
174	1... 13C-PCB-19	8.10e5	1.02	NO	0.506	5.000	23.61	23.61	0.931	0.931	NO	1412	70.6	7.58	
175	1... 13C-PCB-32	1.16e6	1.02	NO	0.738	5.000	26.60	26.59	1.049	1.048	NO	1382	69.1	5.20	
176	1... 13C-PCB-28	1.12e6	1.05	NO	1.06	5.000	28.61	28.59	1.004	1.003	NO	1150	57.5	5.32	

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Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.06e6	1.05	NO	0.979	5.000	32.59	32.59	1.143	1.144	NO	1172	58.6	5.76	
178	1... 13C-PCB-54	9.30e5	0.77	NO	0.981	5.000	27.43	27.44	0.751	0.752	NO	1325	66.3	1.17	
179	1... 13C-PCB-52	7.20e5	0.78	NO	0.786	5.000	31.09	31.09	0.852	0.852	NO	1281	64.1	1.46	
180	1... 13C-PCB-47	7.66e5	0.77	NO	0.833	5.000	31.60	31.61	0.866	0.866	NO	1286	64.3	1.38	
181	1... 13C-PCB-70	8.96e5	0.78	NO	0.981	5.000	35.23	35.24	0.965	0.965	NO	1277	63.9	1.17	
182	1... 13C-PCB-80	9.24e5	0.81	NO	1.01	5.000	35.66	35.67	0.977	0.977	NO	1274	63.7	1.13	
183	1... 13C-PCB-81	8.86e5	0.77	NO	0.995	5.000	38.86	38.87	1.064	1.065	NO	1245	62.3	1.15	
184	1... 13C-PCB-77	8.52e5	0.80	NO	0.977	5.000	39.48	39.48	1.082	1.082	NO	1220	61.0	1.17	
185	1... 13C-PCB-104	8.68e5	1.55	NO	1.00	5.000	32.29	32.28	0.826	0.826	NO	1343	67.2	0.566	
186	1... 13C-PCB-95	6.41e5	1.57	NO	0.779	5.000	35.53	35.53	0.910	0.909	NO	1278	63.9	0.729	
187	1... 13C-PCB-101	6.77e5	1.52	NO	0.833	5.000	37.28	37.28	0.954	0.954	NO	1263	63.1	0.682	
188	1... 13C-PCB-97	5.58e5	1.59	NO	0.679	5.000	38.62	38.62	0.988	0.989	NO	1276	63.8	0.837	
189	1... 13C-PCB-123	8.03e5	1.60	NO	0.970	5.000	41.26	41.28	1.056	1.057	NO	1285	64.3	0.586	
190	1... 13C-PCB-118	8.09e5	1.59	NO	1.00	5.000	41.45	41.47	1.061	1.061	NO	1256	62.8	0.568	
191	1... 13C-PCB-114	6.61e5	1.58	NO	1.55	5.000	42.14	42.15	0.908	0.908	NO	1126	56.3	0.916	
192	1... 13C-PCB-105	6.91e5	1.57	NO	1.59	5.000	43.02	43.02	0.927	0.927	NO	1145	57.2	0.890	
193	1... 13C-PCB-127	7.16e5	1.56	NO	1.66	5.000	43.39	43.38	0.934	0.934	NO	1138	56.9	0.855	
194	1... 13C-PCB-126	6.90e5	1.60	NO	1.65	5.000	45.33	45.33	0.976	0.976	NO	1106	55.3	0.861	
195	1... 13C-PCB-155	7.82e5	1.27	NO	0.819	5.000	36.80	36.82	0.942	0.942	NO	1482	74.1	0.308	
196	1... 13C-PCB-153	6.23e5	1.25	NO	1.31	5.000	43.20	43.19	0.930	0.930	NO	1250	62.5	1.02	
197	1... 13C-PCB-141	5.18e5	1.26	NO	1.08	5.000	43.97	43.97	0.947	0.947	NO	1260	63.0	1.24	
198	1... 13C-PCB-138	5.49e5	1.27	NO	1.15	5.000	44.82	44.82	0.965	0.965	NO	1256	62.8	1.16	
199	1... 13C-PCB-159	6.65e5	1.30	NO	1.39	5.000	46.16	46.17	0.994	0.994	NO	1259	62.9	0.961	
200	2... 13C-PCB-167	6.80e5	1.28	NO	1.43	5.000	46.86	46.87	1.009	1.009	NO	1257	62.8	0.939	
201	2... 13C-PCB-156	6.38e5	1.28	NO	1.34	5.000	48.20	48.19	1.038	1.038	NO	1256	62.8	1.00	
202	2... 13C-PCB-157	6.49e5	1.32	NO	1.36	5.000	48.46	48.48	1.044	1.044	NO	1258	62.9	0.985	
203	2... 13C-PCB-169	6.36e5	1.28	NO	1.33	5.000	50.73	50.75	1.092	1.093	NO	1258	62.9	1.01	
204	2... 13C-PCB-188	6.03e5	0.44	NO	1.39	5.000	42.81	42.81	0.925	0.925	NO	1256	62.8	0.771	
205	2... 13C-PCB-180	4.00e5	0.44	NO	0.907	5.000	49.53	49.52	1.071	1.070	NO	1277	63.8	1.18	
206	2... 13C-PCB-170	3.66e5	0.44	NO	0.823	5.000	51.18	51.19	1.106	1.106	NO	1289	64.5	1.30	
207	2... 13C-PCB-189	4.78e5	0.46	NO	1.08	5.000	52.88	52.89	1.143	1.143	NO	1285	64.3	0.996	
208	2... 13C-PCB-202	6.34e5	0.90	NO	1.23	5.000	48.41	48.42	1.046	1.047	NO	1490	74.5	0.549	
209	2... 13C-PCB-194	3.88e5	0.90	NO	0.710	5.000	54.52	54.51	0.995	0.995	NO	1244	62.2	1.40	
210	2... 13C-PCB-208	5.05e5	0.78	NO	0.865	5.000	53.76	53.75	0.981	0.981	NO	1329	66.5	1.28	
211	2... 13C-PCB-206	3.61e5	0.80	NO	0.623	5.000	56.07	56.04	1.023	1.023	NO	1321	66.0	1.77	
212	2... 13C-PCB-209	4.68e5	1.21	NO	0.725	5.000	57.31	57.30	1.046	1.046	NO	1472	73.6	0.0847	

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

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Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.27e6	1.57	NO	1.00	5.000	25.39	25.36	1.000	0.000	NO	2000	100	0.380	
214	2... 13C-PCB-31	1.84e6	1.04	NO	1.00	5.000	28.52	28.50	1.000	0.000	NO	2000	100	5.63	
215	2... 13C-PCB-60	1.43e6	0.79	NO	1.00	5.000	36.54	36.50	1.000	0.000	NO	2000	100	1.15	
216	2... 13C-PCB-111	1.29e6	1.60	NO	1.00	5.000	39.11	39.07	1.000	0.000	NO	2000	100	0.568	
217	2... 13C-PCB-128	7.59e5	1.25	NO	1.00	5.000	46.47	46.43	1.000	0.000	NO	2000	100	1.34	
218	2... 13C-PCB-182	6.91e5	0.45	NO	1.00	5.000	46.30	46.26	0.000	0.000	NO	2000	100	1.07	
219	2... 13C-PCB-205	8.78e5	0.91	NO	1.00	5.000	54.81	54.78	1.000	0.000	NO	2000	100	0.995	
220	2... 13C-PCB-79	9.42e5	0.77	NO	1.04	5.000	37.60	37.60	1.030	1.030	NO	1272	63.6	1.11	
221	2... 13C-PCB-178	4.08e5	0.44	NO	0.774	5.000	45.70	45.69	0.988	0.988	NO	1389	69.5	1.28	
222	2... 13C-PCB-79	9.38e5	0.78	NO	1.04	5.000	37.61	37.60	0.968	0.967	NO	2034	102	1.75	
223	2... 13C-PCB-178	4.08e5	0.44	NO	1.02	5.000	45.69	45.69	0.923	0.923	NO	2005	100	1.85	
224	2... Total Mono-PCBs				1.00	5.000	0.00		0.000		NO	0.0000		0.863	2.151
225	2... Total Di-PCBs				1.04	5.000	0.00		0.000		NO			12.42	0.09
226	2... 2nd Function Tri-PCBs				0.943	5.000	0.00		0.000		NO			2.23	
227	2... 3rd Function Tri-PCBs				0.969	5.000	0.00		0.000		NO	0.0000		4.54	0.7202
228	2... Total Tetra-PCBs				0.991	5.000	0.00		0.000		NO			9.02	0.507
229	2... 3rd Function Penta-PCBs				1.11	5.000	0.00		0.000		NO			10.2	
230	2... 4th Function Penta-PCBs				1.05	5.000	0.00		0.000		NO			1.48	0.514
231	2... 3rd Function Hexa-PCBs				0.791	5.000	0.00		0.000		NO	0.4892		3.31	0.4892
232	2... 4th Function Hexa-PCBs				0.946	5.000	0.00		0.000		NO			6.10	
233	2... Total Hepta-PCBs				1.20	5.000	0.00		0.000		NO			4.79	0.540.257
234	2... 4th Function Octa-PCBs				0.860	5.000	0.00		0.000		NO			1.80	
235	2... 5th Function Octa-PCBs				1.10	5.000	0.00		0.000		NO	0.9298		0.588	0.9298
236	2... Total Nona-PCBs				0.887	5.000	0.00		0.000		NO			0.329	0.127
237	2... Deca-CB				0.863	5.000	0.00		0.000		NO			0.0680	
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-2	17.83	17.83	1.351e4	3.398e3	7.402e2	1.527e2	4.85	YES	8.929e2	0.00000	0.82128	0.281
2	PCB-3	18.05	18.07	1.629e4	4.560e3	1.048e3	2.425e2	4.32	YES	1.290e3	0.00000	1.3295	0.286

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**3rd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-38	31.63	31.61	4.201e3	2.682e3	3.104e2	1.956e2	1.59	YES	5.060e2	0.00000	0.72023	0.337

**Total Tetra-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**3rd Function Penta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													



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Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

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**ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank**

**4th Function Penta-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**3rd Function Hexa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-139/149	41.46	41.41	9.080e2	7.750e2	8.423e1	6.361e1	1.32	NO	1.478e2	0.48920	0.48920	0.255

**4th Function Hexa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**Total Hepta-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**4th Function Octa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

**5th Function Octa-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-194	54.52	54.54	1.925e3	1.406e3	9.221e1	9.898e1	0.93	NO	1.912e2	0.92978	0.92978	0.200

**Total Nona-PCBs**

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1												

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Dataset: U:\VG11.PRO\Results\201214K2\201214K2-4.qld

Last Altered: Tuesday, December 15, 2020 10:16:20 Pacific Standard Time

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Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.42	15.42	1.963e7	6.040e6	1.129e6	3.484e5	3.24	NO	1.477e6	1391.1		1.90
2	13C-PCB-3	18.05	18.04	1.908e7	6.180e6	1.136e6	3.668e5	3.10	NO	1.503e6	1420.3		1.91

Total Di-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.40	19.39	8.788e6	5.568e6	5.231e5	3.293e5	1.59	NO	8.524e5	1255.0		0.633
2	13C-PCB-9	21.21	21.21	1.434e7	9.232e6	8.581e5	5.471e5	1.57	NO	1.405e6	1292.1		0.395
3	13C-PCB-11	24.64	24.65	1.300e7	8.102e6	8.332e5	5.196e5	1.60	NO	1.353e6	1284.7		0.408
4	13C-PCB-15	25.39	25.36	2.128e7	1.376e7	1.383e6	8.835e5	1.57	NO	2.267e6	2000.0		0.380

2nd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.61	23.61	6.529e6	6.366e6	4.085e5	4.020e5	1.02	NO	8.105e5	1412.1		7.58
2	13C-PCB-32	26.60	26.59	9.099e6	8.938e6	5.842e5	5.719e5	1.02	NO	1.156e6	1382.4		5.20

3rd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.50	1.184e7	1.138e7	9.371e5	9.032e5	1.04	NO	1.840e6	2000.0		5.63
2	13C-PCB-28	28.61	28.59	8.268e6	7.885e6	5.747e5	5.469e5	1.05	NO	1.122e6	1150.5		5.32
3	13C-PCB-37	32.59	32.59	6.839e6	6.444e6	5.407e5	5.147e5	1.05	NO	1.055e6	1171.8		5.76

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Last Altered: Tuesday, December 15, 2020 10:16:20 Pacific Standard Time

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**ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank**

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.43	27.44	5.527e6	7.193e6	4.037e5	5.261e5	0.77	NO	9.298e5	1325.4		1.17
2	13C-PCB-52	31.09	31.09	4.236e6	5.471e6	3.157e5	4.047e5	0.78	NO	7.204e5	1281.2		1.46
3	13C-PCB-47	31.60	31.61	4.415e6	5.798e6	3.334e5	4.323e5	0.77	NO	7.658e5	1286.1		1.38
4	13C-PCB-70	35.23	35.24	5.217e6	6.712e6	3.922e5	5.037e5	0.78	NO	8.959e5	1277.1		1.17
5	13C-PCB-80	35.66	35.67	5.331e6	6.678e6	4.127e5	5.108e5	0.81	NO	9.235e5	1274.0		1.13
6	13C-PCB-60	36.54	36.50	8.004e6	1.017e7	6.308e5	7.992e5	0.79	NO	1.430e6	2000.0		1.15
7	13C-PCB-79	37.60	37.60	5.116e6	6.727e6	4.100e5	5.322e5	0.77	NO	9.422e5	1272.2		1.11
8	13C-PCB-81	38.86	38.87	4.975e6	6.501e6	3.858e5	5.000e5	0.77	NO	8.857e5	1245.1		1.15
9	13C-PCB-77	39.48	39.48	4.713e6	5.955e6	3.777e5	4.742e5	0.80	NO	8.519e5	1219.8		1.17

**3rd Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.28	7.035e6	4.541e6	5.279e5	3.406e5	1.55	NO	8.685e5	1343.3		0.566
2	13C-PCB-95	35.53	35.53	5.134e6	3.278e6	3.920e5	2.493e5	1.57	NO	6.412e5	1278.5		0.729
3	13C-PCB-101	37.28	37.28	5.493e6	3.575e6	4.089e5	2.681e5	1.52	NO	6.770e5	1262.8		0.682
4	13C-PCB-97	38.62	38.62	4.541e6	2.807e6	3.426e5	2.153e5	1.59	NO	5.579e5	1276.3		0.837
5	13C-PCB-111	39.11	39.07	1.010e7	6.283e6	7.923e5	4.951e5	1.60	NO	1.287e6	2000.0		0.568
6	13C-PCB-123	41.26	41.28	6.248e6	3.907e6	4.934e5	3.092e5	1.60	NO	8.026e5	1285.3		0.586
7	13C-PCB-118	41.45	41.47	6.304e6	3.972e6	4.971e5	3.121e5	1.59	NO	8.092e5	1255.8		0.568

**4th Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.14	42.15	4.975e6	3.107e6	4.044e5	2.566e5	1.58	NO	6.610e5	1125.9		0.916
2	13C-PCB-105	43.02	43.02	5.222e6	3.341e6	4.222e5	2.692e5	1.57	NO	6.914e5	1144.8		0.890
3	13C-PCB-127	43.39	43.38	5.647e6	3.629e6	4.366e5	2.794e5	1.56	NO	7.161e5	1138.5		0.855
4	13C-PCB-126	45.33	45.33	5.076e6	3.174e6	4.244e5	2.658e5	1.60	NO	6.903e5	1106.0		0.861

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4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.20	43.19	4.445e6	3.525e6	3.462e5	2.764e5	1.25	NO	6.226e5	1250.3		1.02
2	13C-PCB-141	43.97	43.97	3.778e6	2.949e6	2.887e5	2.294e5	1.26	NO	5.181e5	1260.3		1.24
3	13C-PCB-138	44.82	44.82	3.863e6	3.046e6	3.071e5	2.419e5	1.27	NO	5.489e5	1255.6		1.16
4	13C-PCB-159	46.16	46.17	4.624e6	3.591e6	3.760e5	2.895e5	1.30	NO	6.654e5	1258.5		0.961
5	13C-PCB-128	46.47	46.43	5.336e6	4.303e6	4.208e5	3.379e5	1.25	NO	7.587e5	2000.0		1.34
6	13C-PCB-167	46.86	46.87	4.801e6	3.727e6	3.817e5	2.982e5	1.28	NO	6.800e5	1257.0		0.939
7	13C-PCB-156	48.20	48.19	4.593e6	3.595e6	3.581e5	2.797e5	1.28	NO	6.378e5	1255.6		1.00
8	13C-PCB-157	48.46	48.48	4.376e6	3.319e6	3.691e5	2.795e5	1.32	NO	6.487e5	1258.2		0.985
9	13C-PCB-169	50.73	50.75	4.374e6	3.447e6	3.566e5	2.792e5	1.28	NO	6.358e5	1258.3		1.01

5th Function Octa-Isotopes

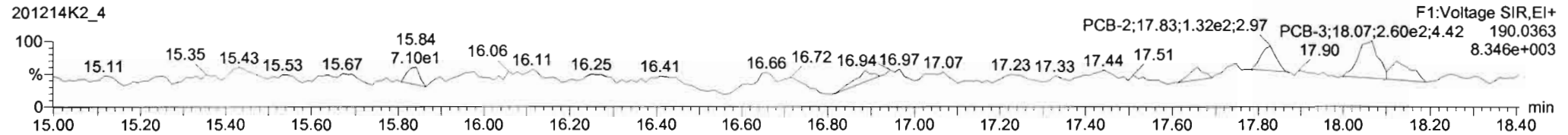
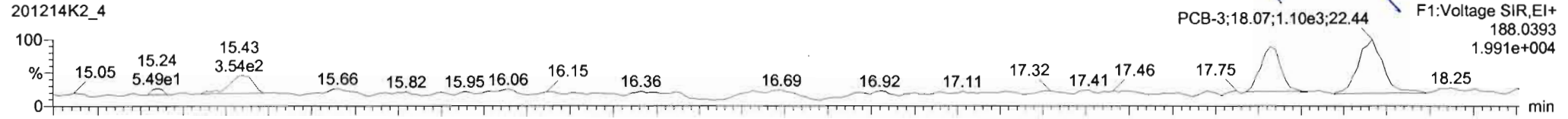
	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.52	54.51	3.281e6	3.661e6	1.833e5	2.044e5	0.90	NO	3.877e5	1244.4		1.40
2	13C-PCB-205	54.81	54.78	7.601e6	8.372e6	4.180e5	4.598e5	0.91	NO	8.778e5	2000.0		0.995

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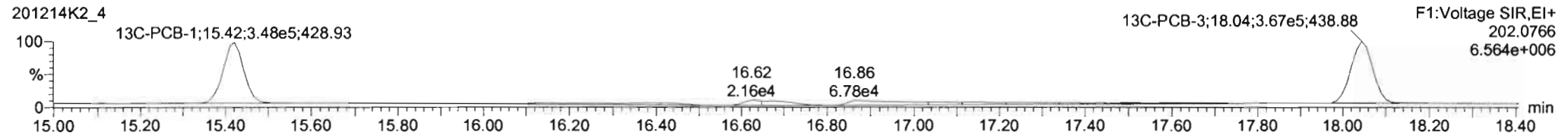
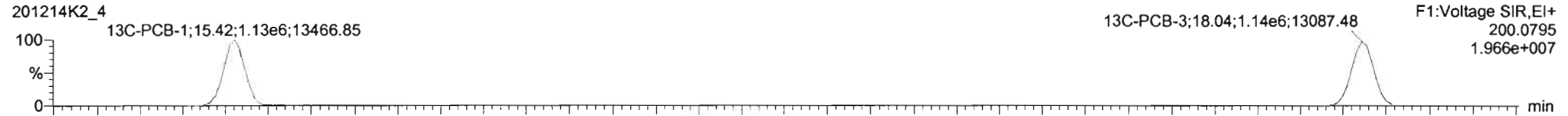
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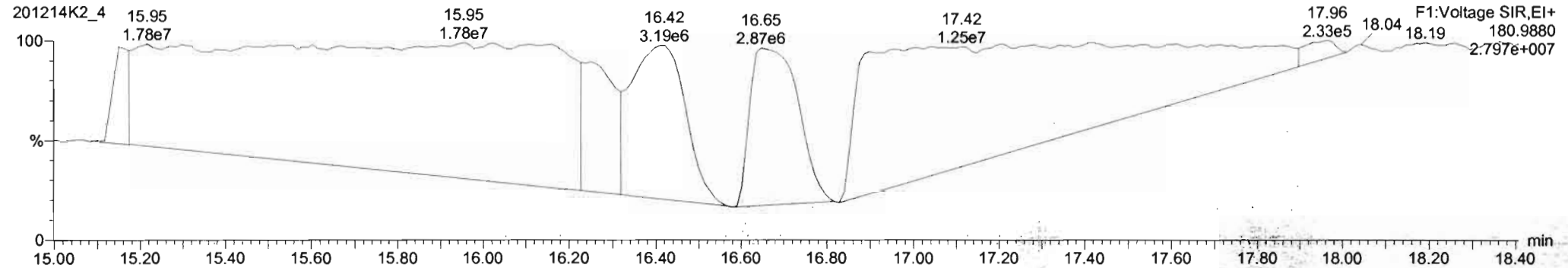
**PCB-1**



**13C-PCB-1**

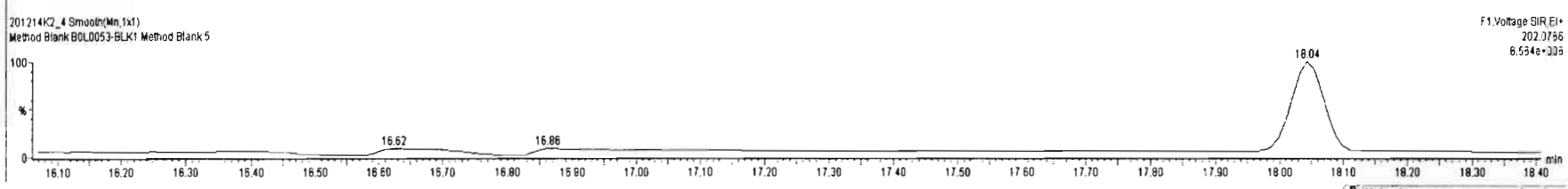
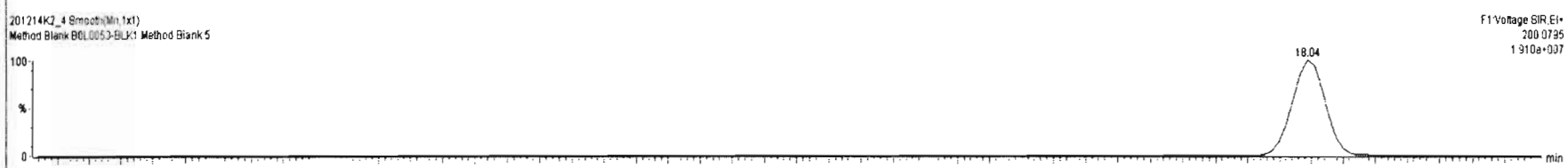
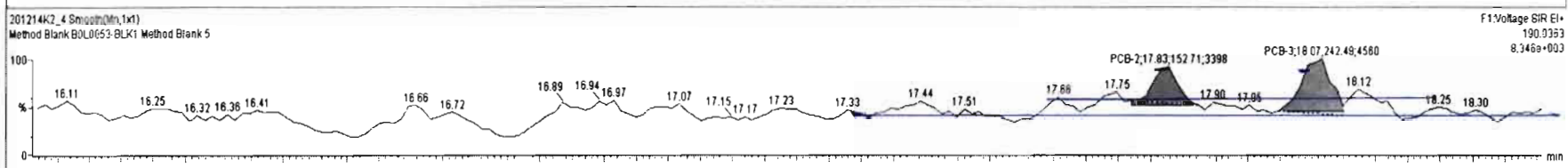
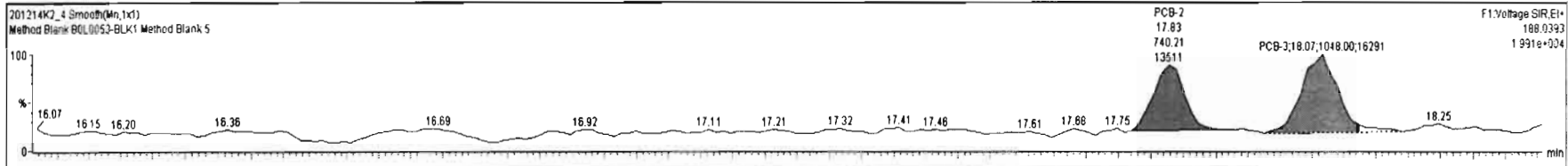


**PFK1**



#	Name	Resp	RA	n/y	RRF	wAve	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
217	13C-PCB-126	7.59e5	1.25	NO	1.0000	5.000	46.47	46.43	1.000	0.000	NO	2000	100	1.34	
218	13C-PCB-182	6.91e5	0.45	NO	1.0000	5.000	46.30	46.26	0.000	0.000	NO	2000	100	1.07	
219	13C-PCB-205	8.78e5	0.91	NO	1.0000	5.000	54.81	54.78	1.000	0.000	NO	2000	100	0.995	
220	13C-PCB-79	9.42e5	0.77	NO	1.0359	5.000	37.80	37.80	1.030	1.030	NO	1272	63.6	1.11	
221	13C-PCB-178	4.08e5	0.44	NO	0.7744	5.000	45.70	45.69	0.988	0.988	NO	1389	69.5	1.28	
222	13C-PCB-79	9.42e5	0.77	NO	1.0359	5.000	37.80	37.80	1.030	1.030	NO	1272	63.6	1.11	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	2 PCB-2	17.83	17.83	7.402e2	1.527e2	3.130	4.85	YES	0.82128	0.00000
2	3 PCB-3	18.05	18.07	1.048e3	2.425e2	3.130	4.32	YES	1.3285	0.00000

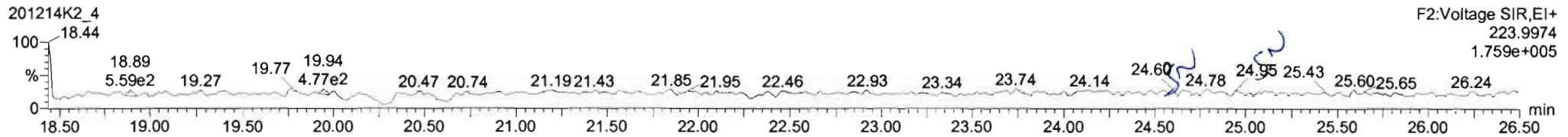
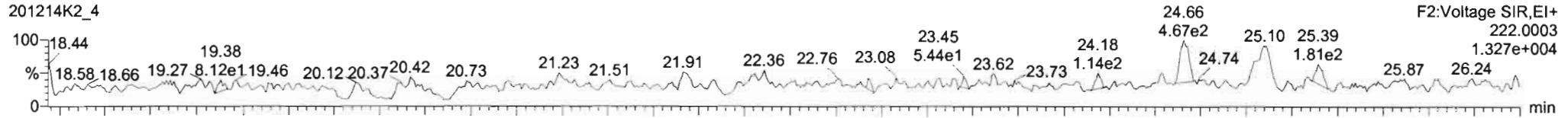


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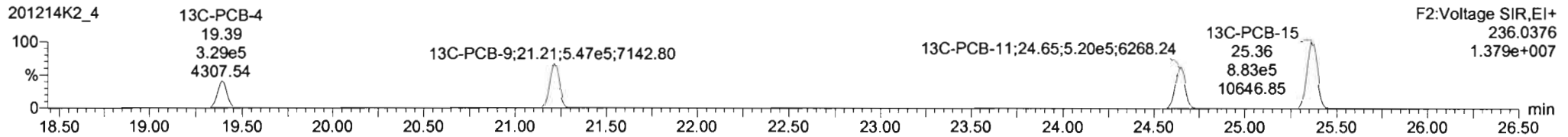
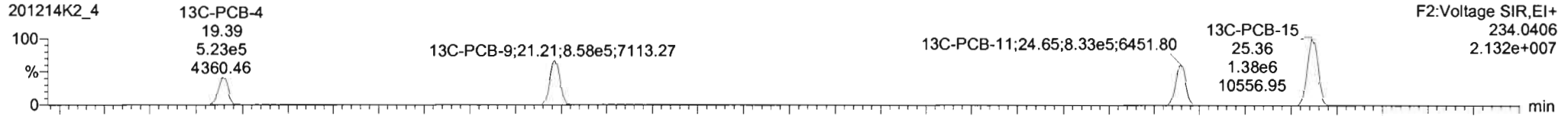
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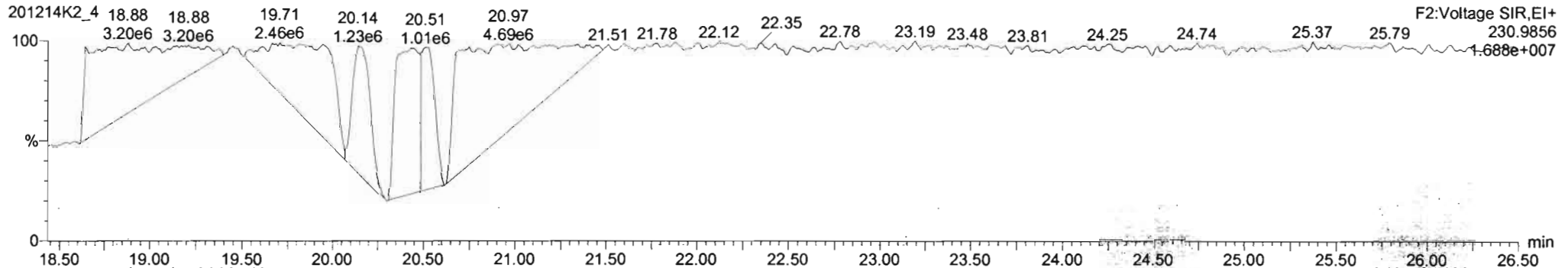
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**13C-PCB-4**



**PFK2a**



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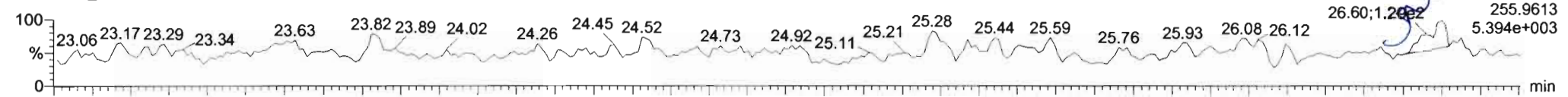
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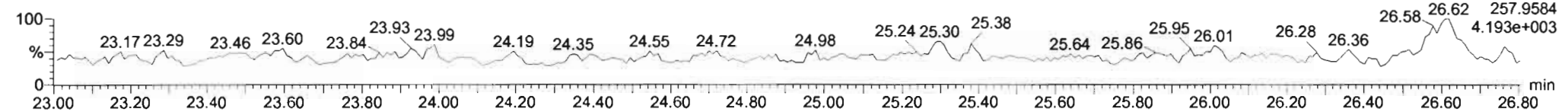
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**PCB-19**

201214K2\_4



201214K2\_4

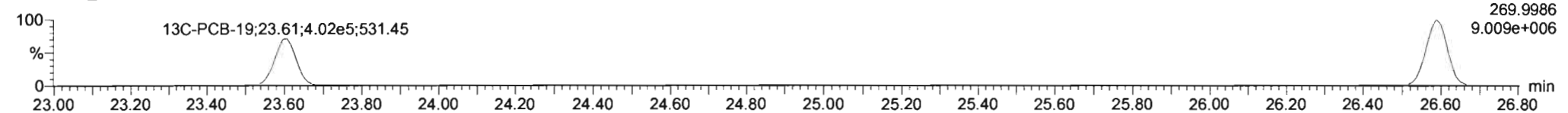


**13C-PCB-19**

201214K2\_4

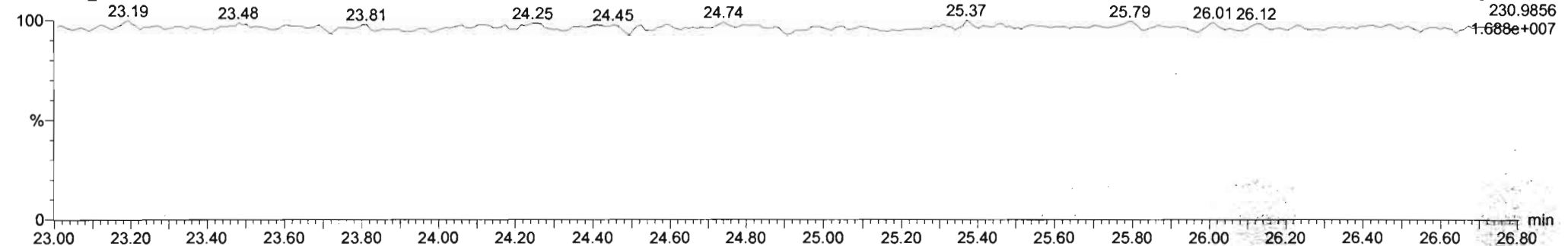


201214K2\_4



**PFK2b**

201214K2\_4





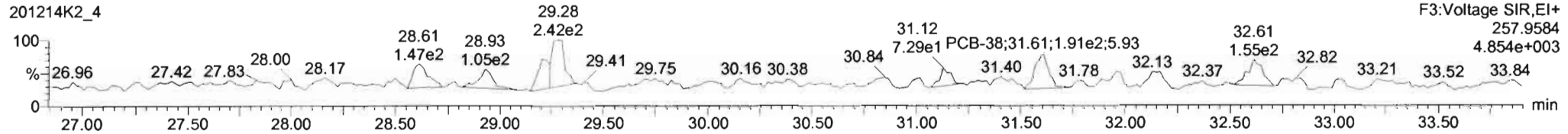
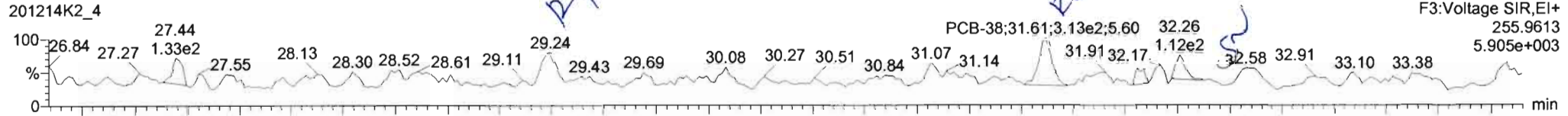
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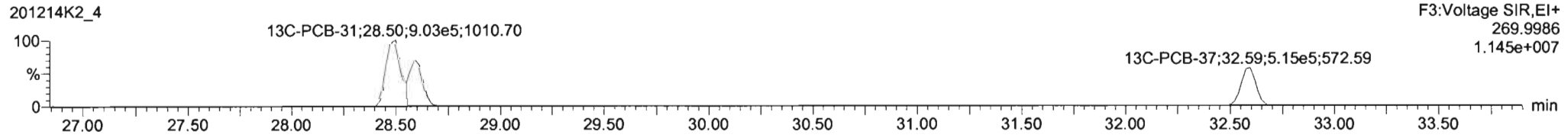
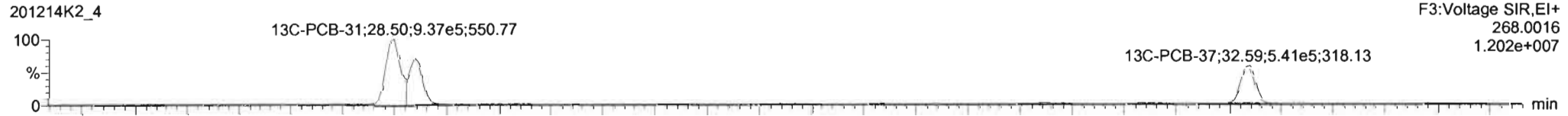
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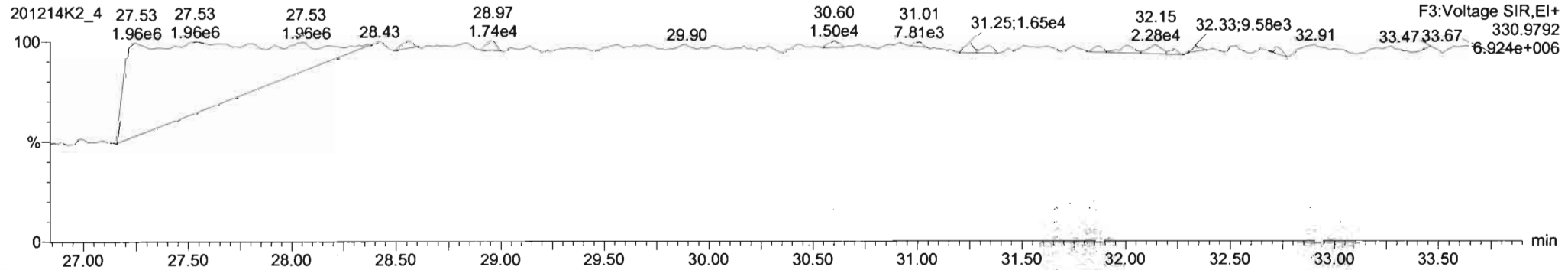
PCB-34

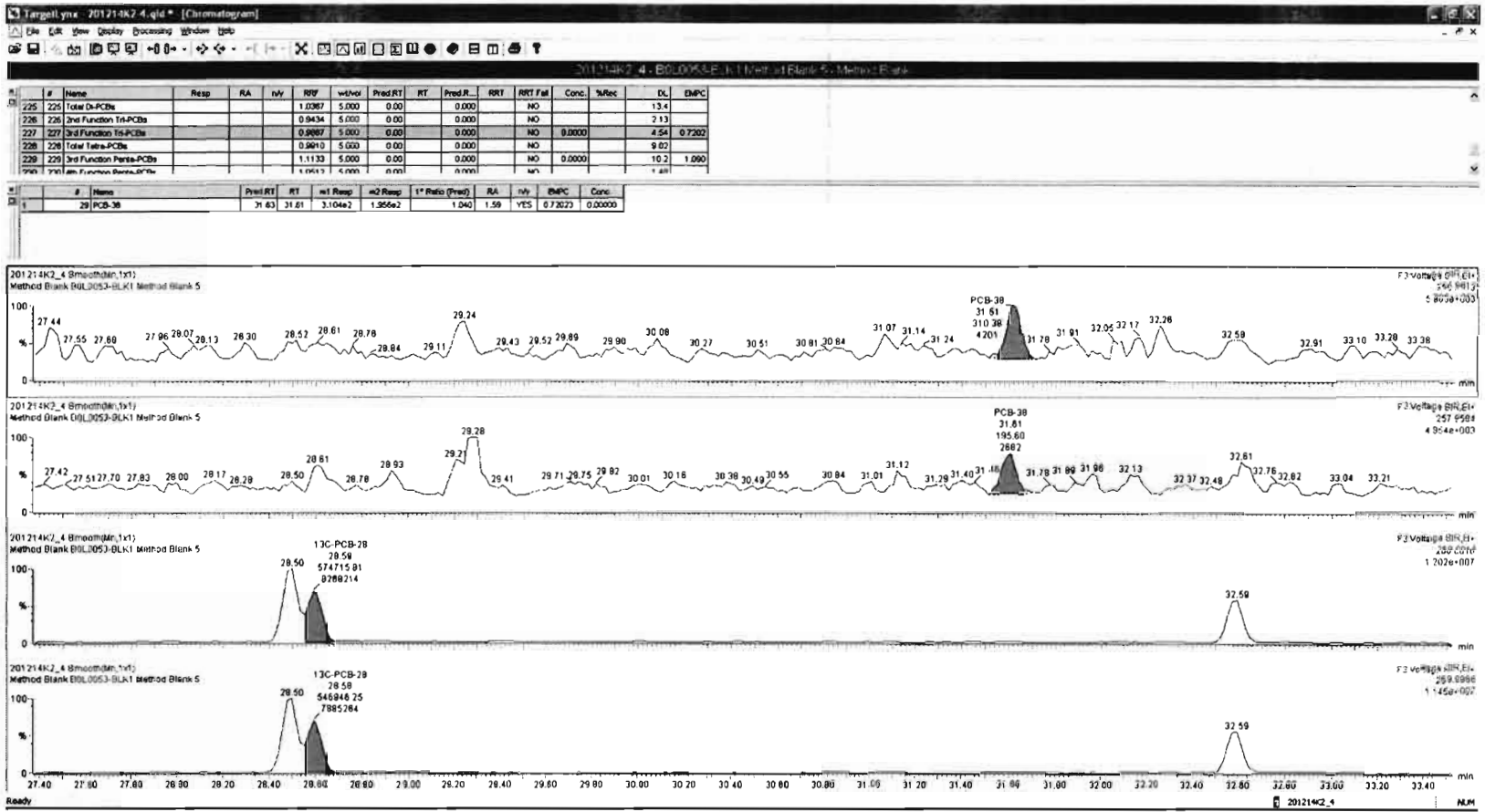


13C-PCB-28



PFK3d



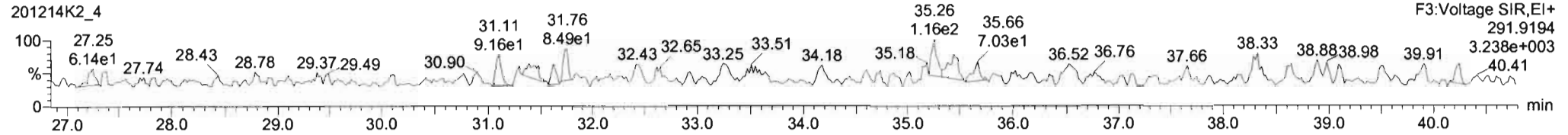
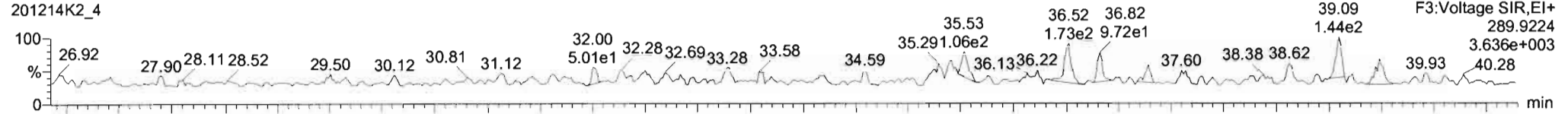


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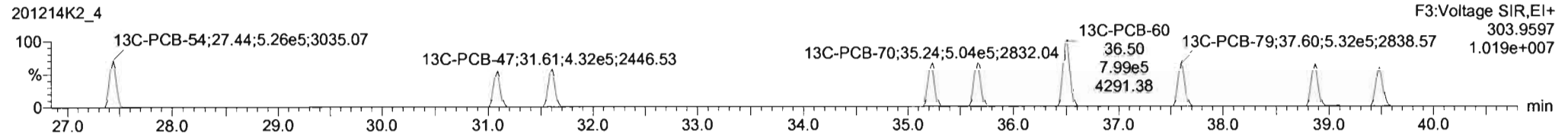
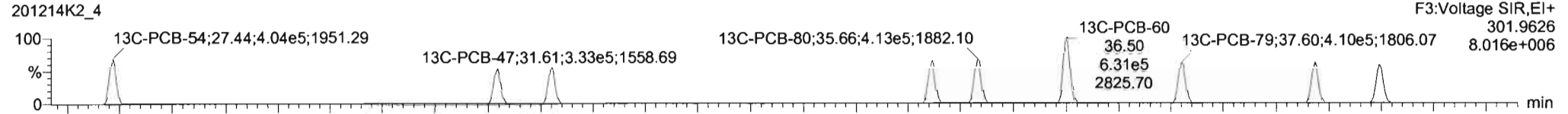
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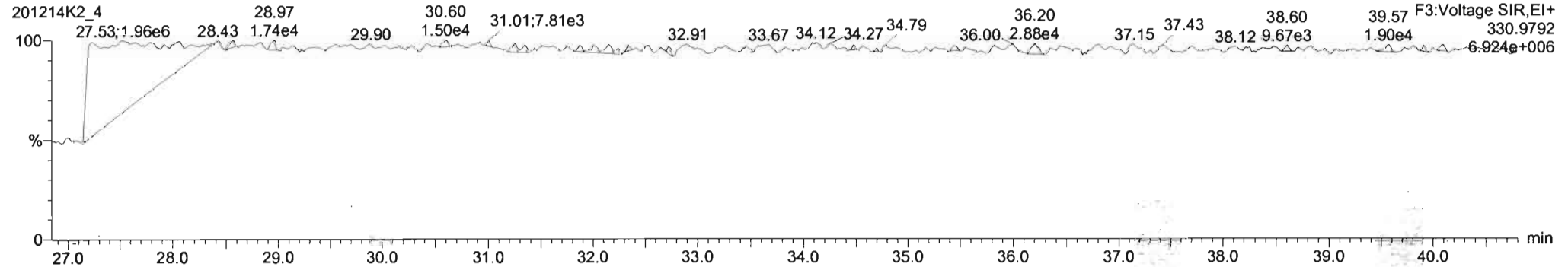
PCB-54



13C-PCB-54



PFK3a



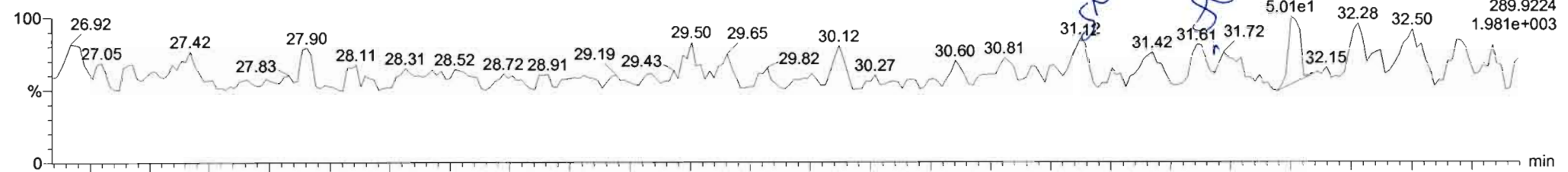
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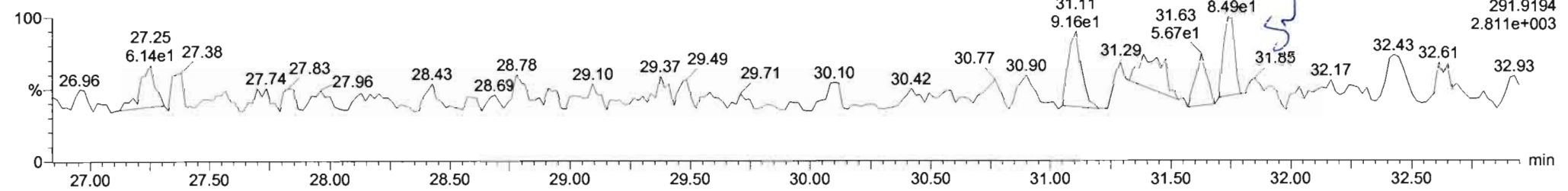
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**PCB-50**

201214K2\_4

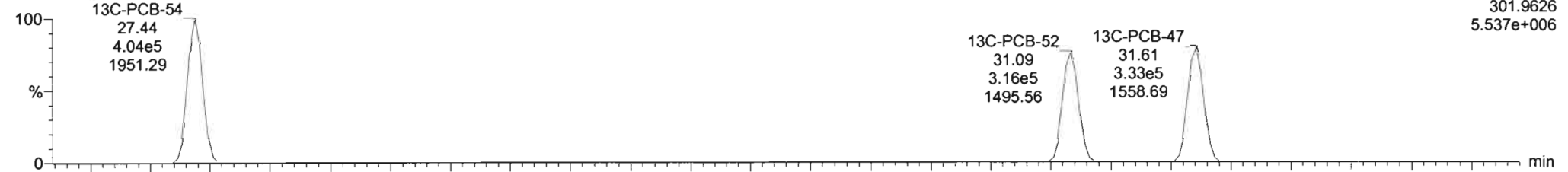


201214K2\_4

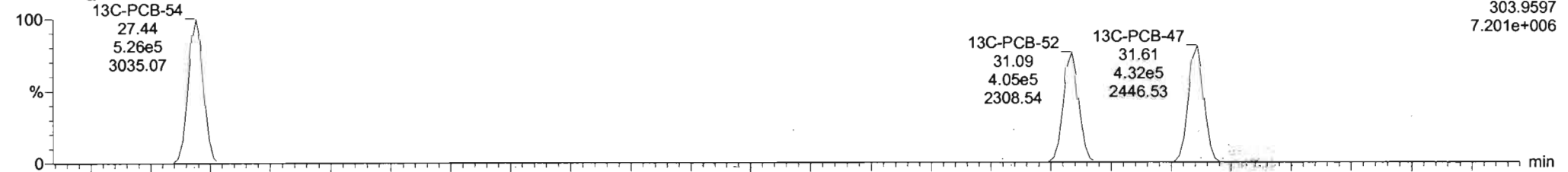


**13C-PCB-52**

201214K2\_4



201214K2\_4



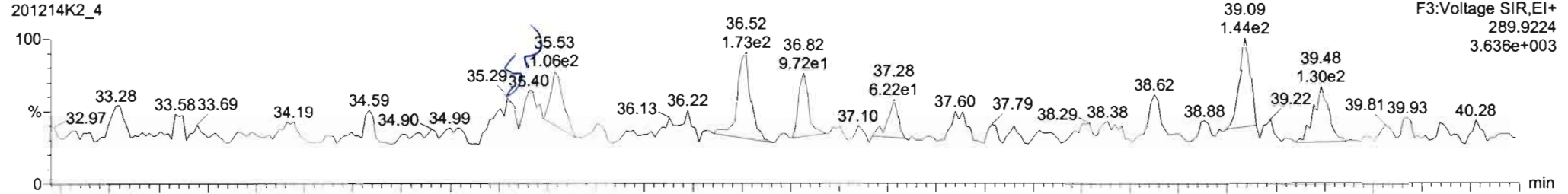
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

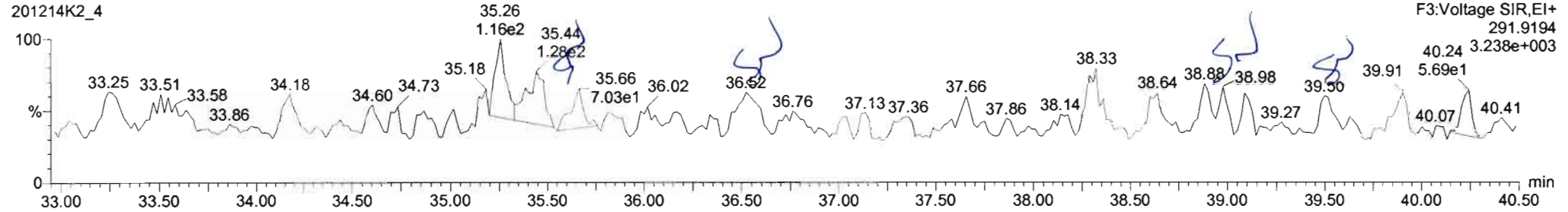
Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

PCB-68

201214K2\_4

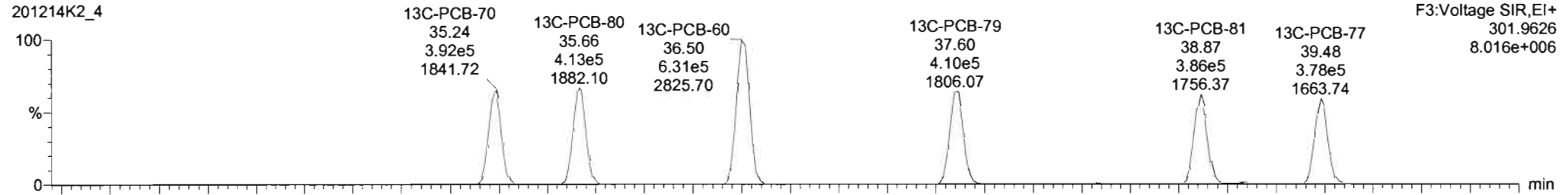


201214K2\_4

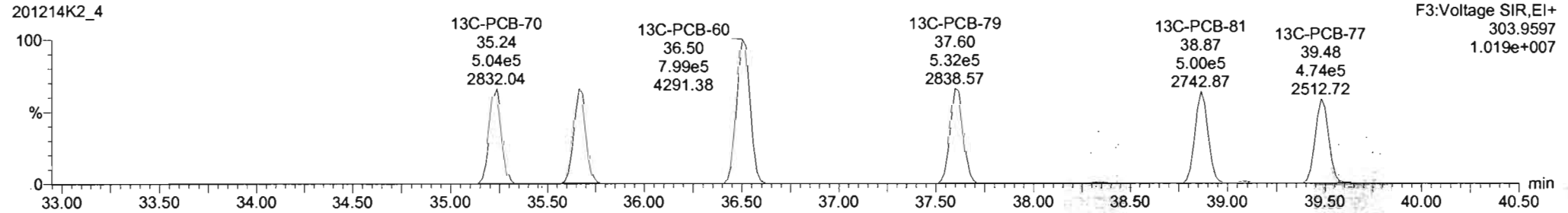


13C-PCB-60

201214K2\_4



201214K2\_4



Dataset: Untitled

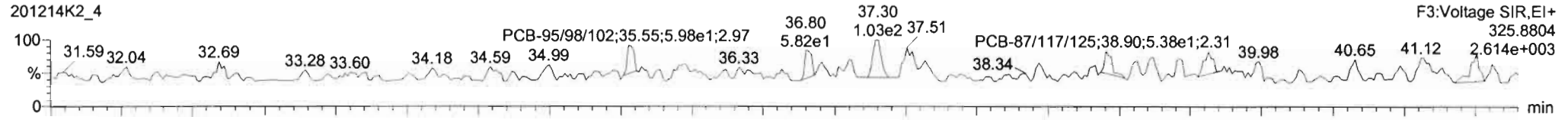
Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

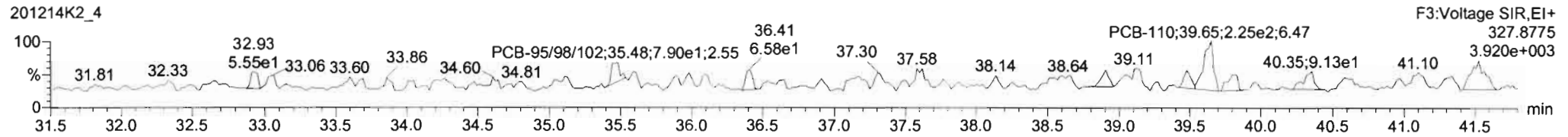
Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

**PCB-104**

201214K2\_4

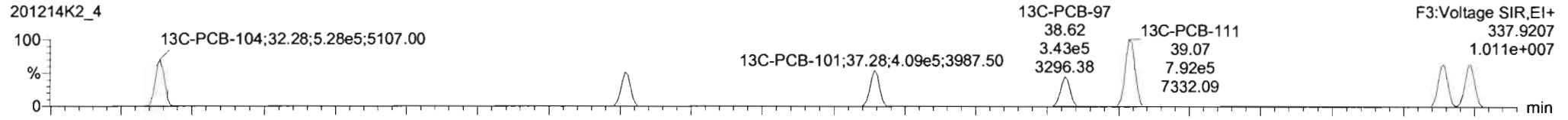


201214K2\_4

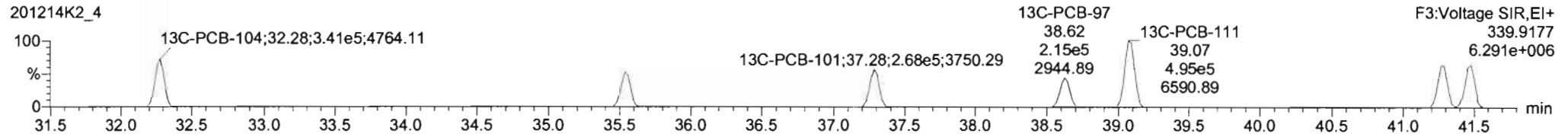


**13C-PCB-104**

201214K2\_4

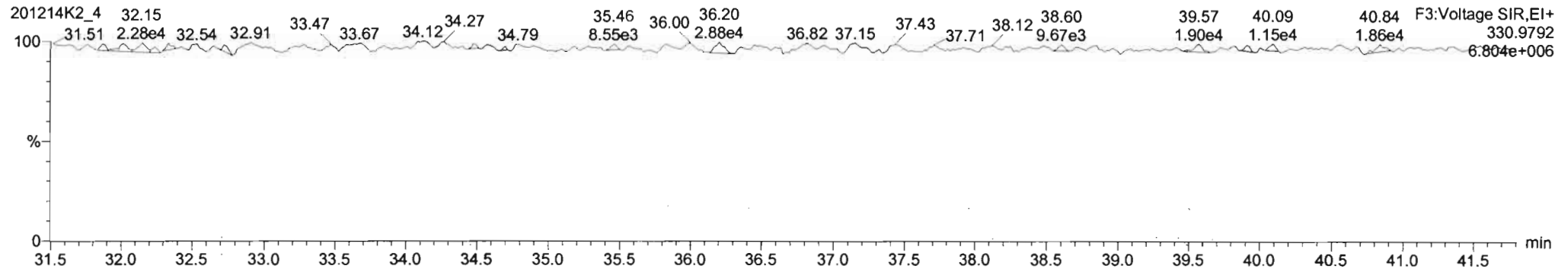


201214K2\_4



**PFK3b**

201214K2\_4



Dataset: Untitled

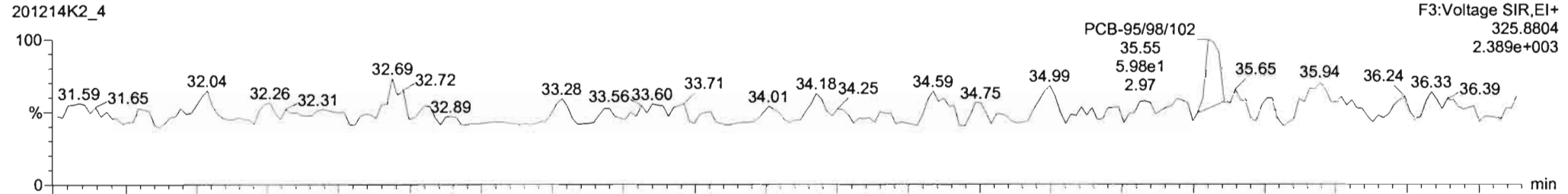
Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

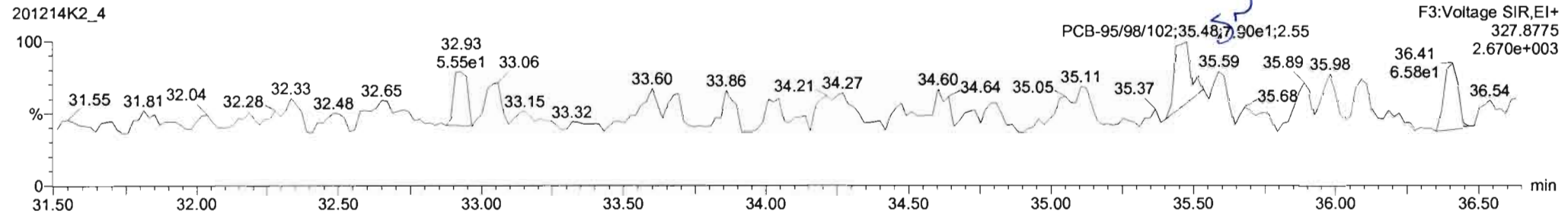
Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

**PCB-96**

201214K2\_4

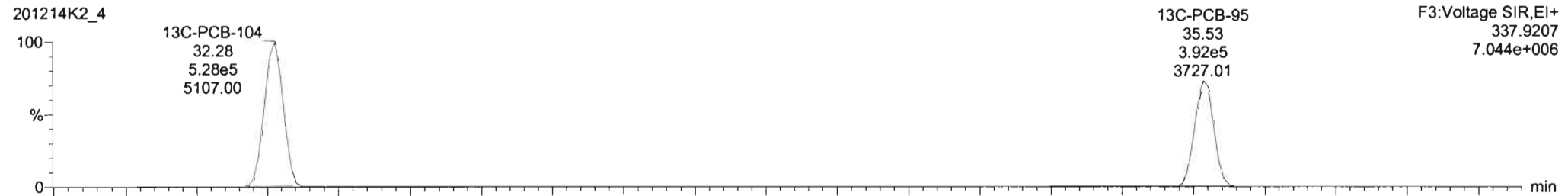


201214K2\_4

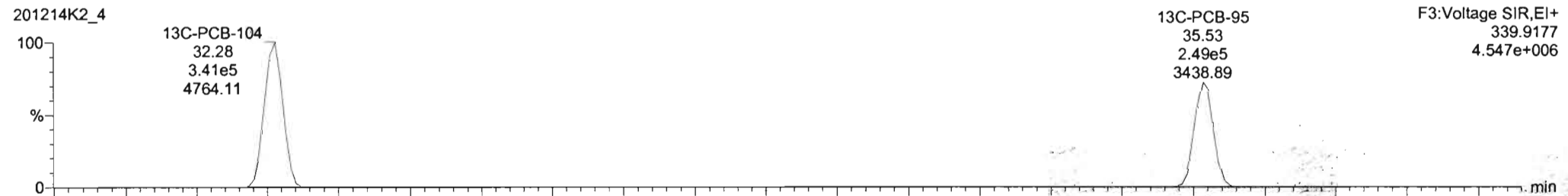


**13C-PCB-95**

201214K2\_4



201214K2\_4



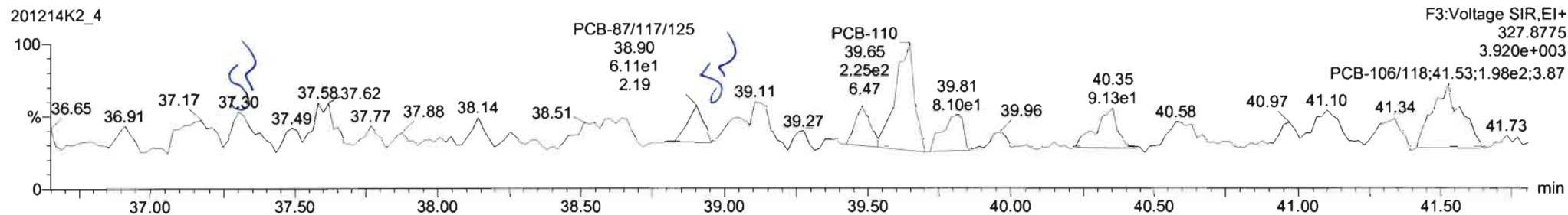
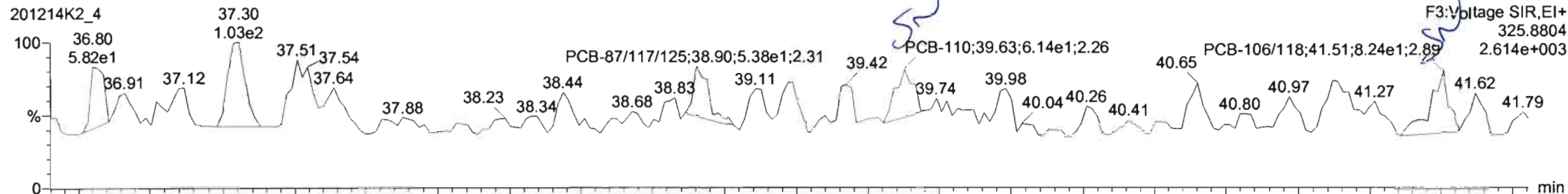
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

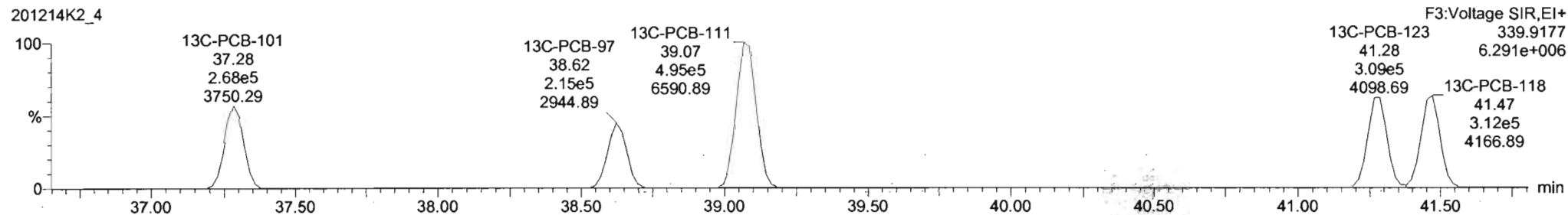
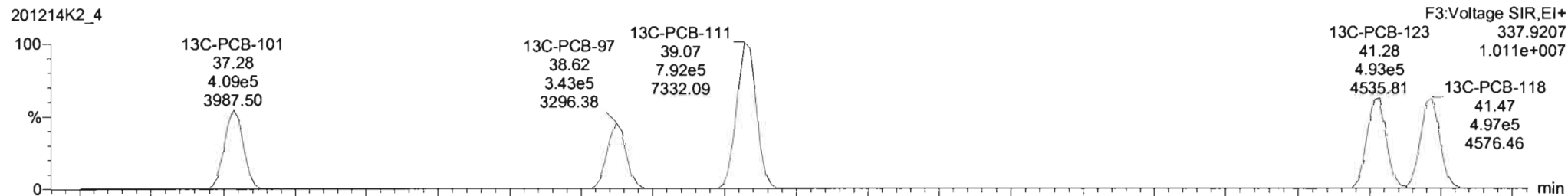
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

**PCB-119**



**13C-PCB-111**





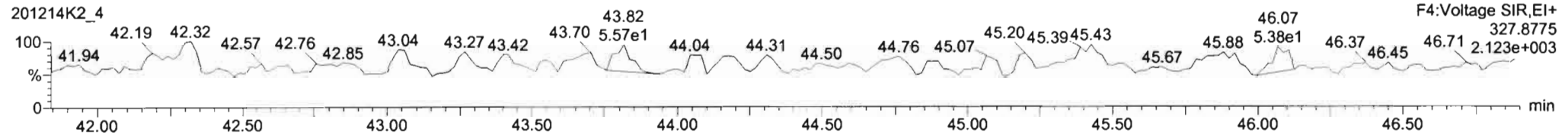
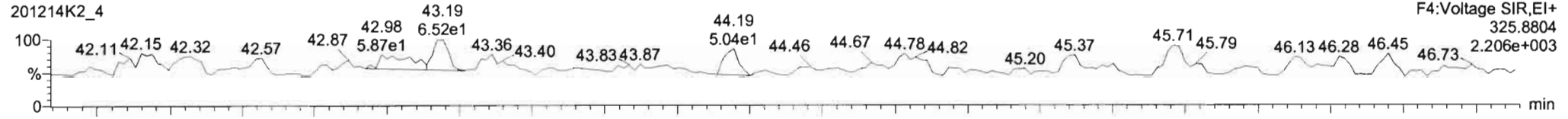
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

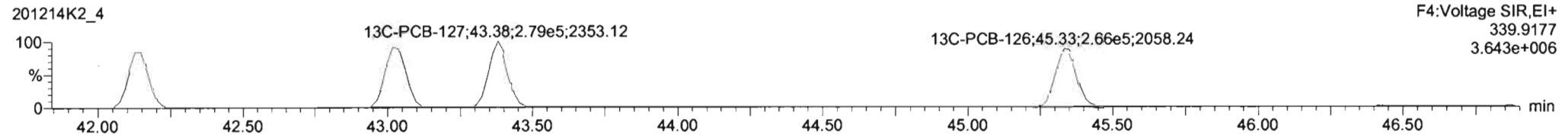
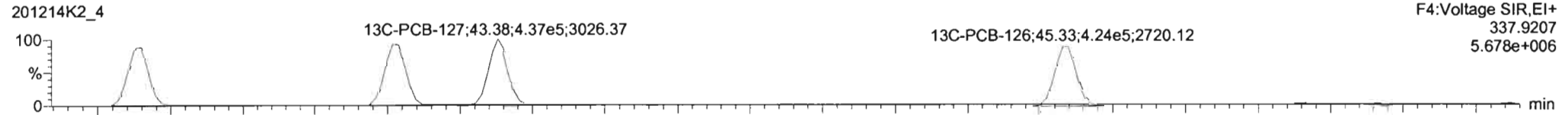
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

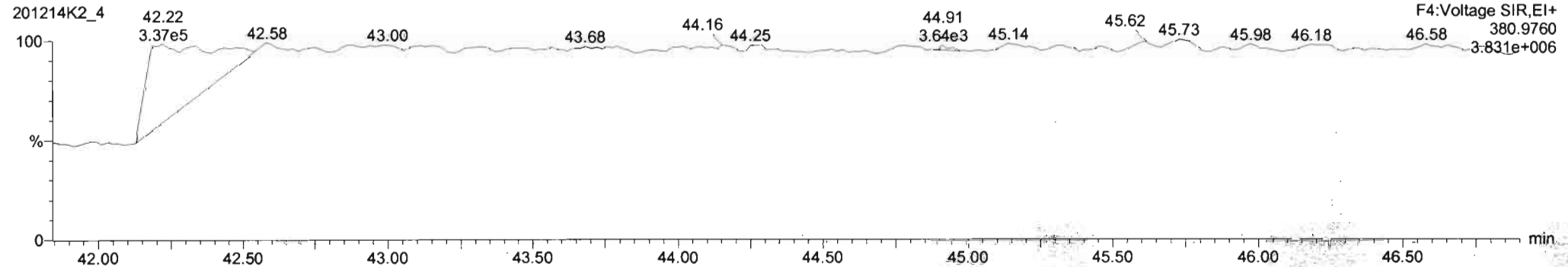
**PCB-114**



**13C-PCB-114**



**PFK4a**



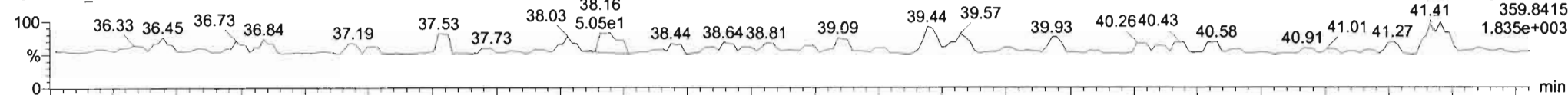
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

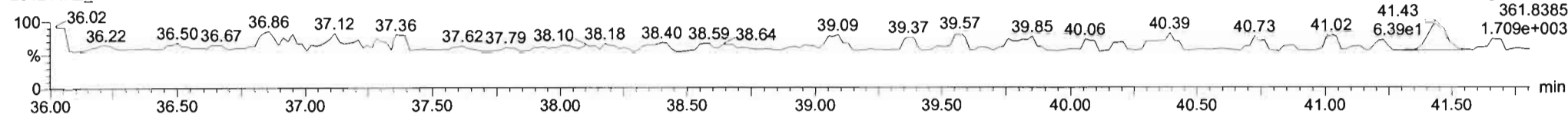
Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

**PCB-155**

201214K2\_4

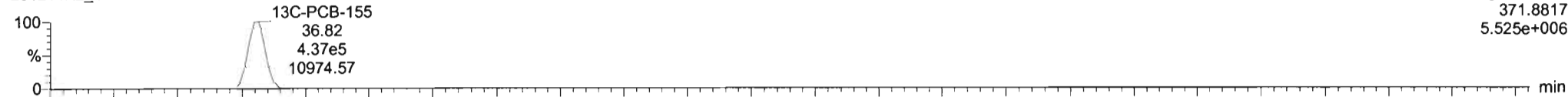


201214K2\_4

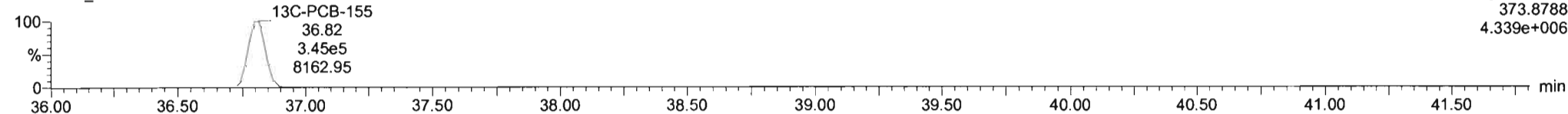


**13C-PCB-155**

201214K2\_4

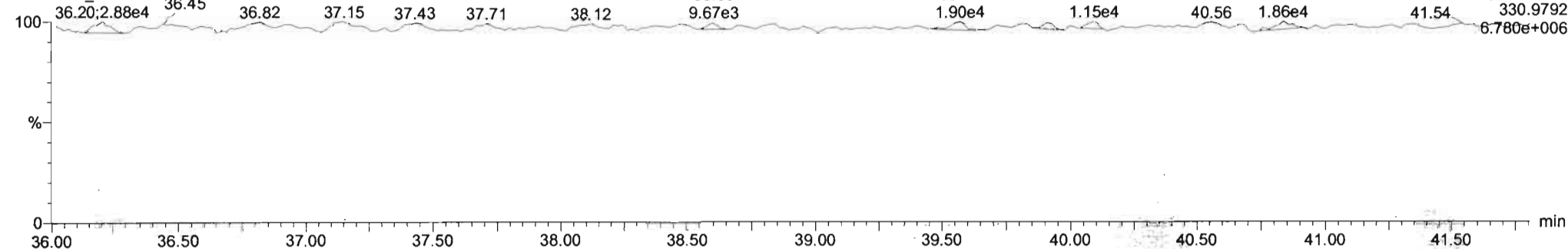


201214K2\_4



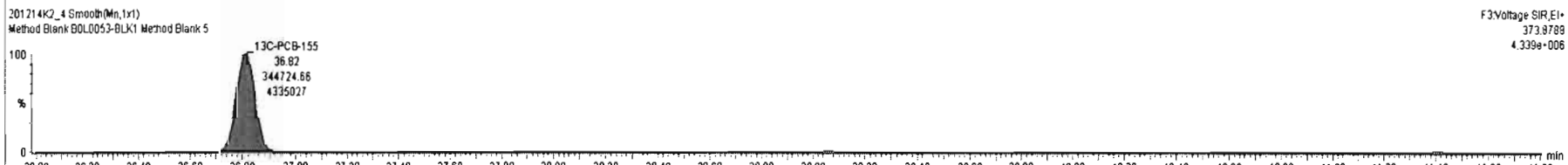
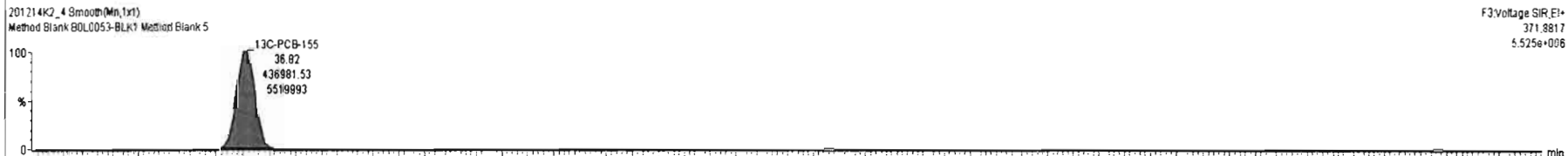
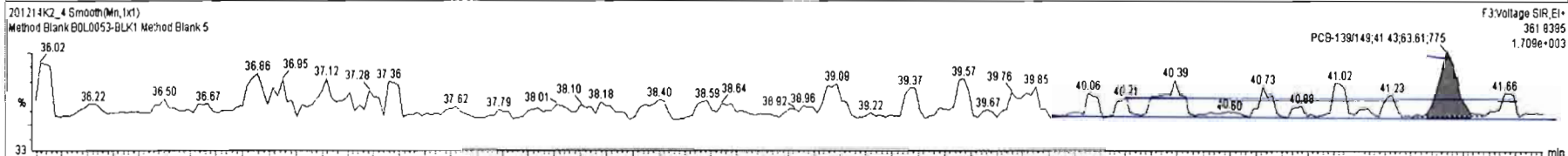
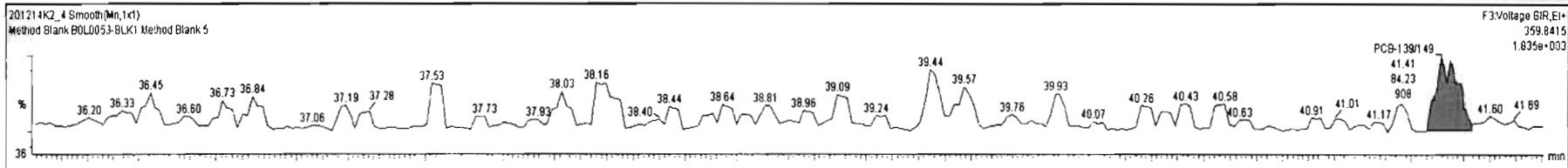
**PFK3c**

201214K2\_4



#	Name	Resp	RA	nly	RRF	wt/vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hepta-PCBs				0.7910	5.000	0.00		0.000		NO	0.4892		3.31	0.4882
232	232 4th Function Hepta-PCBs				0.9455	5.000	0.00		0.000		NO			6.10	
233	233 Total Hepta-PCBs				1.2043	5.000	0.00		0.000		NO			4.79	
234	234 4th Function Octa-PCBs				0.8605	5.000	0.00		0.000		NO			1.80	
235	235 5th Function Octa-PCBs				1.0957	5.000	0.00		0.000		NO	0.9298		0.588	0.9298
236	236 Total Hepta-PCBs				n.nnn	n.nnn	n.nnn		n.nnn		NO			n.nnn	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	nly	EMPC	Conc.
1	109 PCB-139/149	41.46	41.41	8.423e1	6.361e1	1.240	1.32	NO	0.48920	0.48920

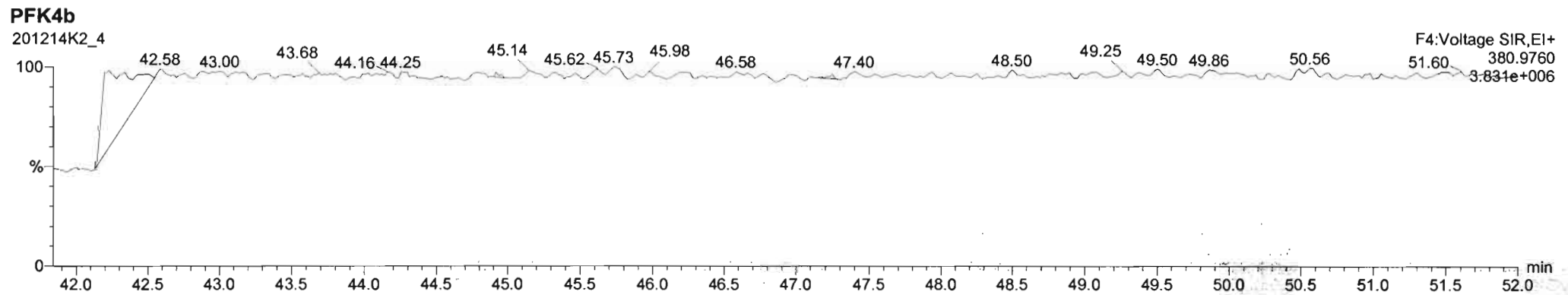
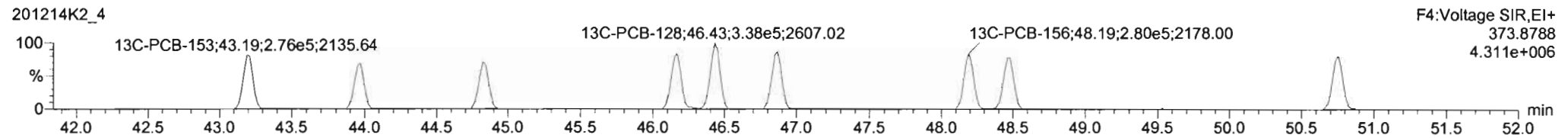
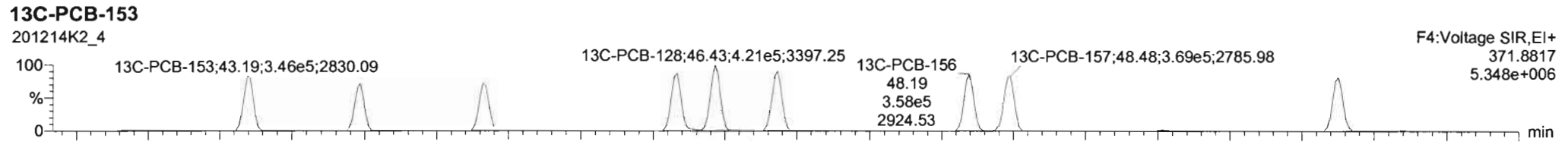
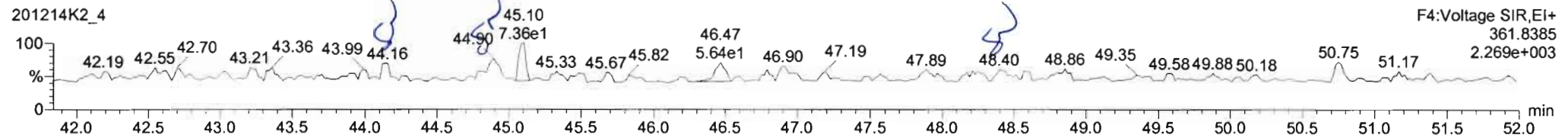
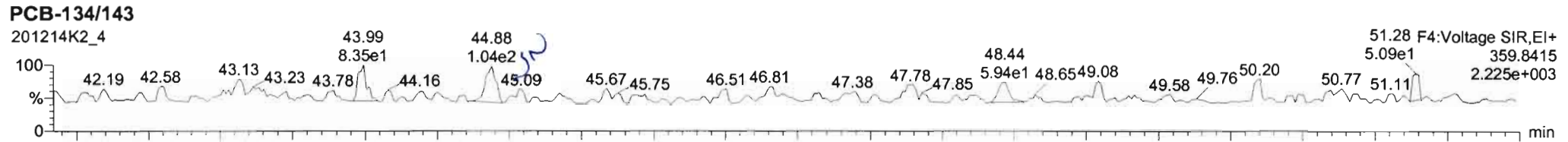


Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank



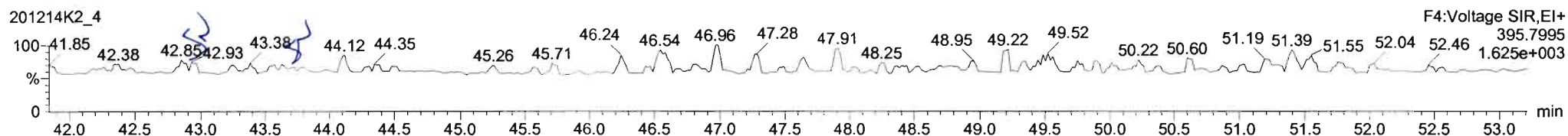
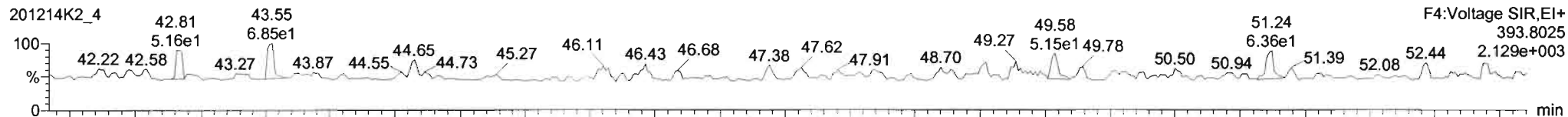
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

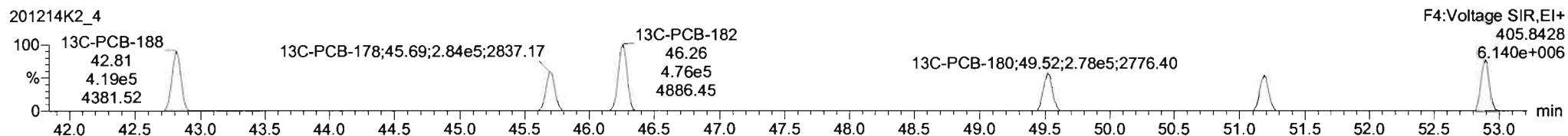
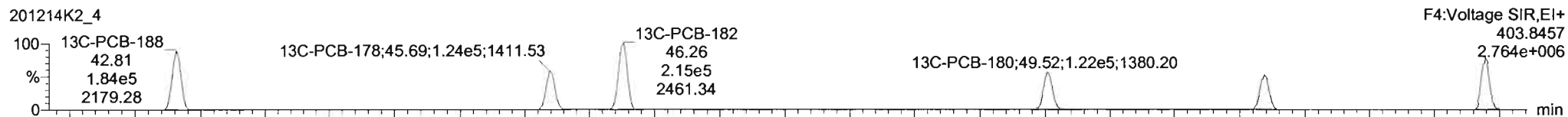
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

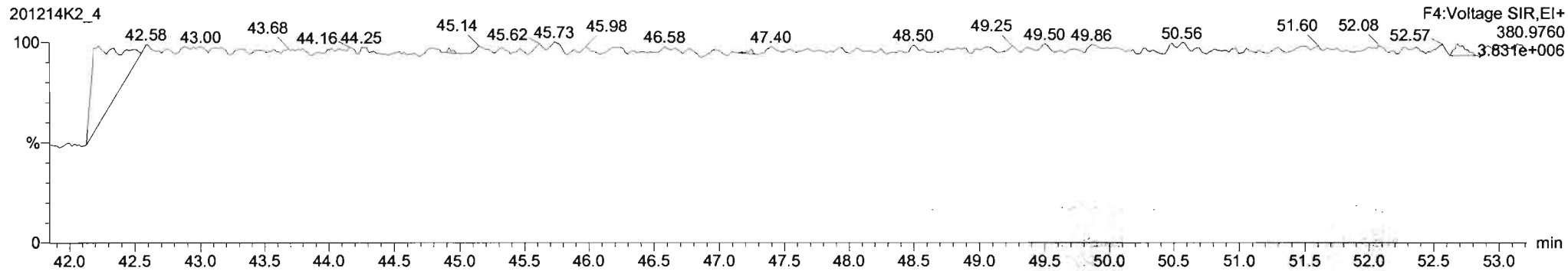
**PCB-188**



**13C-PCB-188**



**PFK4c**



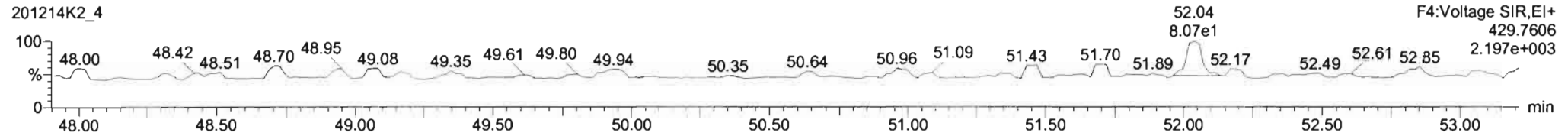
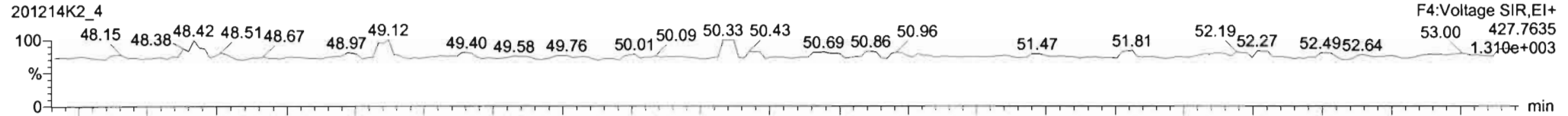
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

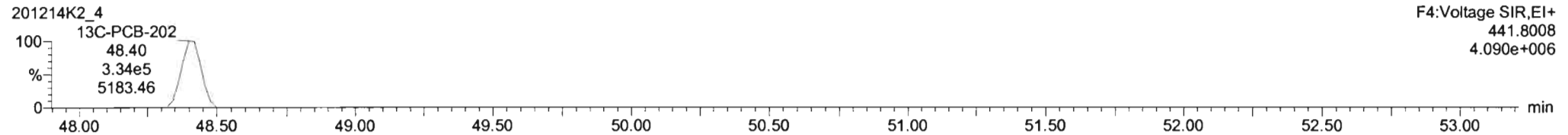
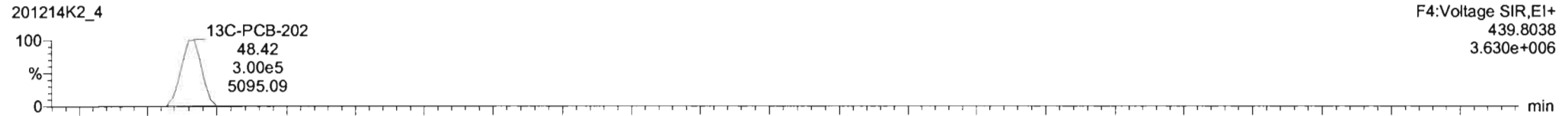
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

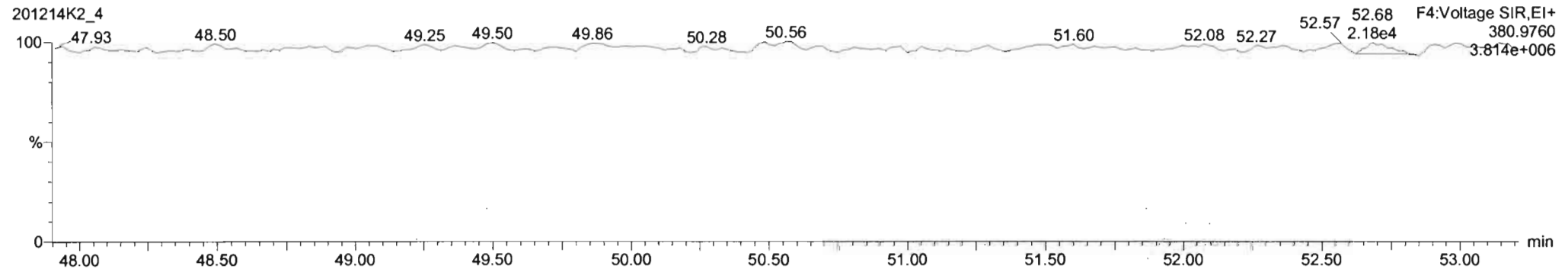
**PCB-202**



**13C-PCB-202**



**PFK4d**



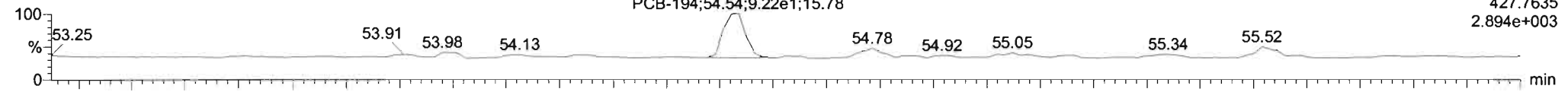
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

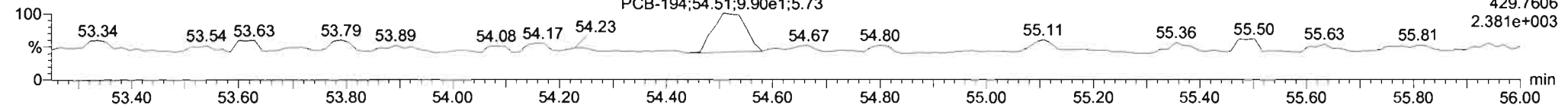
**PCB-195**

201214K2\_4



F5:Voltage SIR,EI+  
427.7635  
2.894e+003

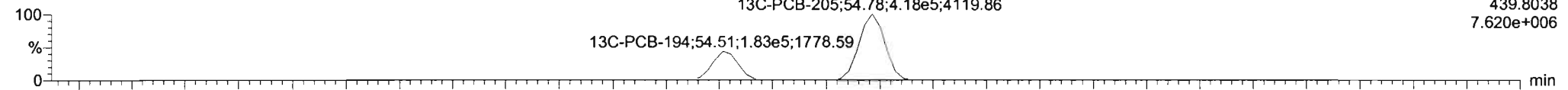
201214K2\_4



F5:Voltage SIR,EI+  
429.7606  
2.381e+003

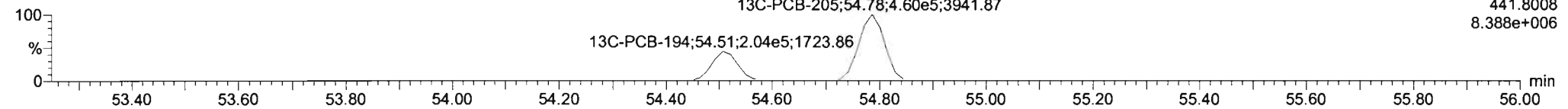
**13C-PCB-194**

201214K2\_4



F5:Voltage SIR,EI+  
439.8038  
7.620e+006

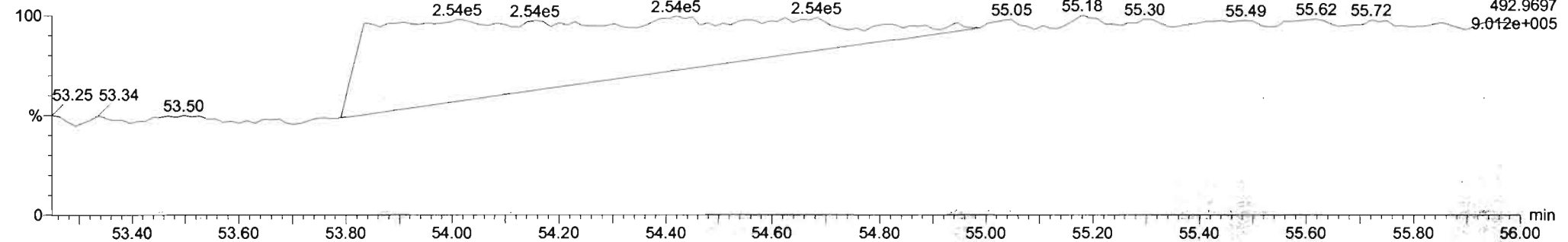
201214K2\_4



F5:Voltage SIR,EI+  
441.8008  
8.388e+006

**PFK5a**

201214K2\_4



F5:Voltage SIR,EI+  
492.9697  
9.012e+005

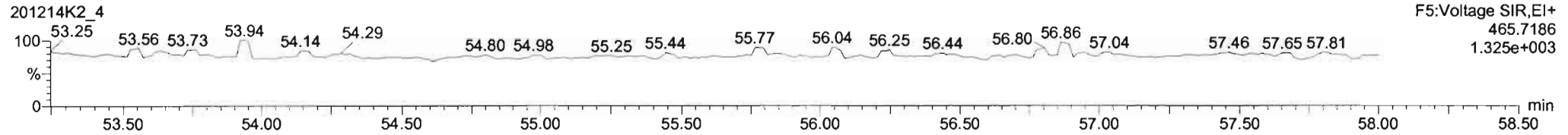
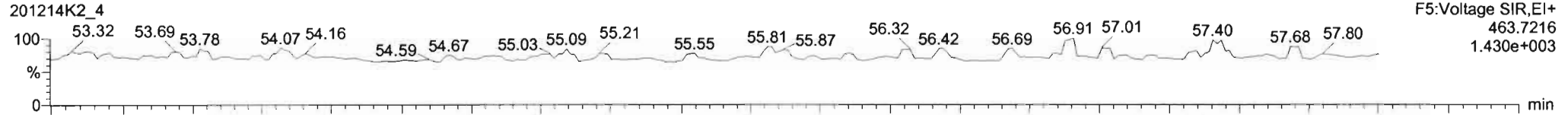
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

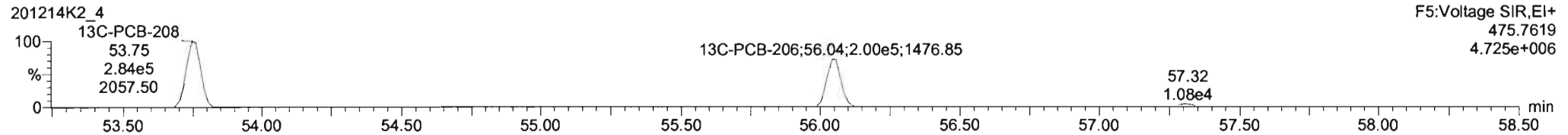
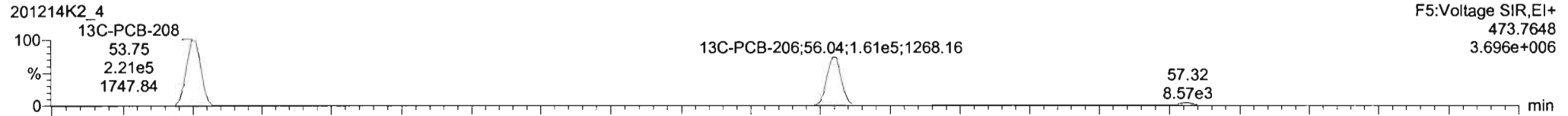
Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

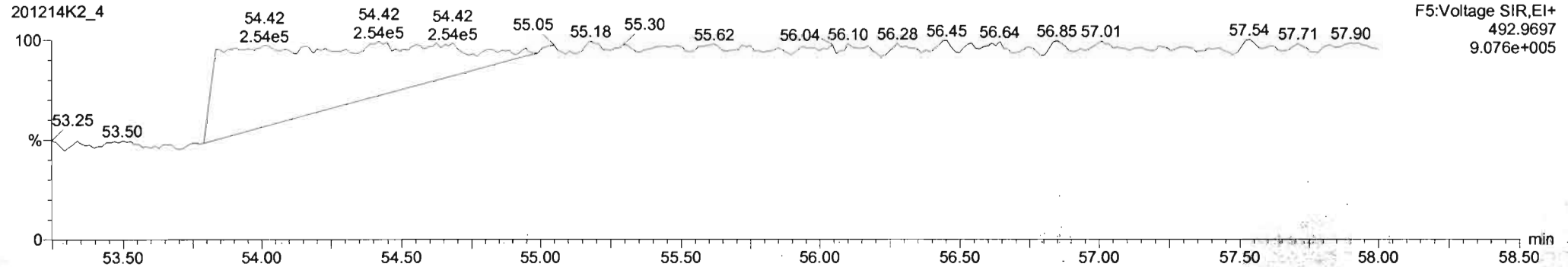
**PCB-208**



**13C-PCB-208**



**PFK5**





Dataset: Untitled

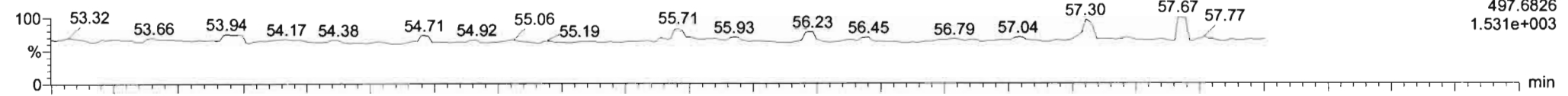
Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

Printed: Tuesday, December 15, 2020 07:52:48 Pacific Standard Time

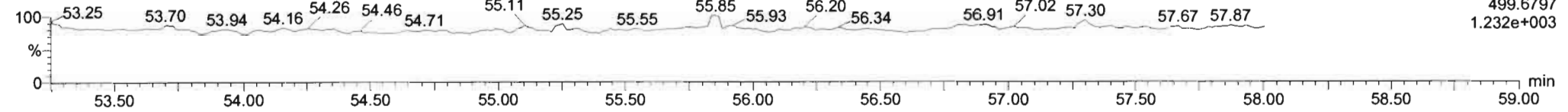
Name: 201214K2\_4, Date: 14-Dec-2020, Time: 17:19:18, ID: B0L0053-BLK1 Method Blank 5, Description: Method Blank

**PCB-209**

201214K2\_4

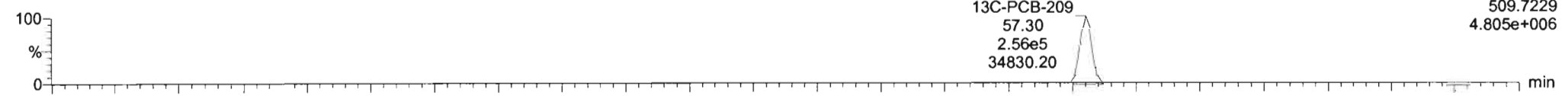


201214K2\_4

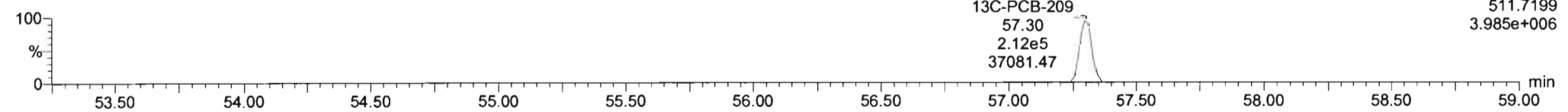


**13C-PCB-209**

201214K2\_4

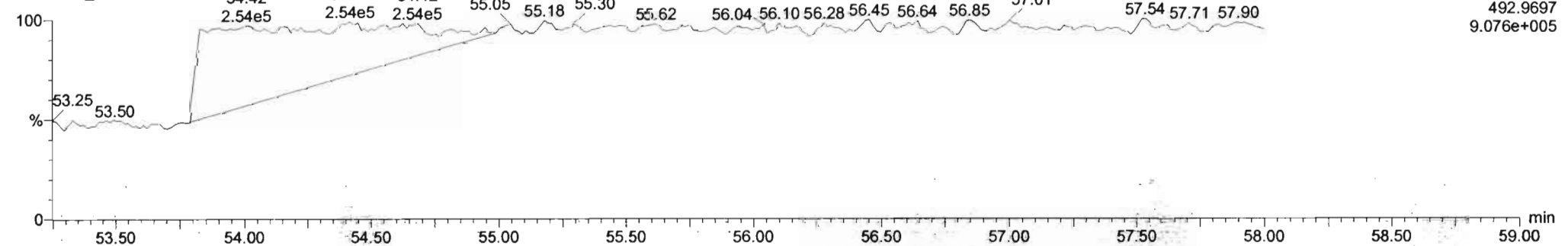


201214K2\_4



**PFK5b**

201214K2\_4



Dataset: U:\VG11.PRO\Results\201214K2\201214K2-2.qld

Last Altered: Monday, December 14, 2020 17:18:17 Pacific Standard Time  
Printed: Monday, December 14, 2020 17:18:42 Pacific Standard Time

*Hc 12-14-2020*  
*710-12/14/20*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	7.11e5	3.10	NO	0.986	5.000	15.42	15.43	1.001	1.001	NO	965.1		0.270	965.1
2	2 PCB-2	6.95e5	3.10	NO	1.02	5.000	17.82	17.82	0.988	0.988	NO	968.6		0.300	968.6
3	3 PCB-3	6.86e5	3.04	NO	1.00	5.000	18.04	18.06	1.001	1.001	NO	975.7		0.306	975.7
4	4 PCB-4/10	1.03e6	1.57	NO	1.21	5.000	19.46	19.46	1.004	1.004	NO	1987		2.91	1987
5	5 PCB-7/9	1.28e6	1.57	NO	0.939	5.000	21.25	21.25	1.003	1.003	NO	1936		2.29	1936
6	6 PCB-6	6.59e5	1.59	NO	0.996	5.000	21.89	21.90	1.033	1.034	NO	943.1		2.16	943.1
7	7 PCB-5/8	1.28e6	1.58	NO	0.976	5.000	22.30	22.31	1.052	1.053	NO	1870		2.20	1870
8	8 PCB-14	6.47e5	1.58	NO	1.02	5.000	23.44	23.44	0.951	0.951	NO	981.7		2.47	981.7
9	9 PCB-11	6.92e5	1.59	NO	1.12	5.000	24.66	24.66	1.001	1.001	NO	962.5		2.27	962.5
10	10 PCB-12/13	1.32e6	1.59	NO	1.02	5.000	25.09	25.03	1.018	1.016	NO	2008		2.48	2008
11	11 PCB-15	6.59e5	1.58	NO	1.02	5.000	25.37	25.38	1.030	1.030	NO	1006		2.49	1006
12	12 PCB-19	3.66e5	1.03	NO	0.972	5.000	23.63	23.62	1.001	1.001	NO	955.3		0.496	955.3
13	13 PCB-30	5.99e5	1.00	NO	1.54	5.000	24.54	24.53	1.040	1.040	NO	987.8		0.313	987.8
14	14 PCB-18	4.01e5	1.01	NO	0.719	5.000	25.31	25.30	0.952	0.951	NO	936.0		0.462	936.0
15	15 PCB-17	3.70e5	1.01	NO	0.672	5.000	25.48	25.47	0.958	0.958	NO	926.8		0.495	926.8
16	16 PCB-24/27	1.06e6	1.02	NO	0.932	5.000	26.06	26.06	0.980	0.980	NO	1920		0.356	1920
17	17 PCB-16/32	9.30e5	1.03	NO	0.824	5.000	26.61	26.60	1.001	1.000	NO	1897		0.403	1897
18	18 PCB-34	5.36e5	1.04	NO	0.878	5.000	27.40	27.42	0.958	0.959	NO	965.0		0.903	965.0
19	19 PCB-23	5.59e5	1.05	NO	0.892	5.000	27.50	27.51	0.962	0.962	NO	990.8		0.889	990.8
20	20 PCB-29	5.23e5	1.01	NO	0.861	5.000	27.76	27.76	0.971	0.971	NO	959.5		0.921	959.5
21	21 PCB-26	5.59e5	1.05	NO	0.915	5.000	27.99	27.98	0.979	0.979	NO	966.2		0.867	966.2
22	22 PCB-25	5.63e5	1.05	NO	0.915	5.000	28.14	28.15	0.984	0.984	NO	972.3		0.866	972.3
23	23 PCB-31	6.16e5	1.00	NO	1.03	5.000	28.51	28.50	0.997	0.997	NO	944.6		0.770	944.6
24	24 PCB-28	6.44e5	1.05	NO	1.01	5.000	28.61	28.61	1.001	1.001	NO	1003		0.782	1003
25	25 PCB-20/21/33	1.69e6	1.04	NO	0.913	5.000	29.25	29.25	1.023	1.023	NO	2932		0.869	2932
26	26 PCB-22	6.19e5	1.04	NO	0.948	5.000	29.69	29.71	1.038	1.039	NO	1032		0.836	1032
27	27 PCB-36	6.30e5	1.06	NO	1.07	5.000	30.35	30.34	0.932	0.931	NO	1024		0.830	1024
28	28 PCB-39	5.81e5	1.02	NO	1.00	5.000	30.83	30.83	0.946	0.946	NO	1007		0.884	1007
29	29 PCB-38	6.05e5	1.04	NO	1.05	5.000	31.62	31.61	0.970	0.970	NO	1002		0.844	1002
30	30 PCB-35	6.13e5	1.06	NO	1.05	5.000	32.16	32.15	0.987	0.987	NO	1019		0.847	1019
31	31 PCB-37	6.02e5	1.04	NO	1.03	5.000	32.60	32.59	1.001	1.001	NO	1018		0.862	1018
32	32 PCB-54	4.70e5	0.76	NO	0.974	5.000	27.46	27.46	1.001	1.001	NO	1002		0.482	1002

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-2.qld

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Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	3.69e5	0.74	NO	0.803	5.000	28.66	28.67	1.044	1.045	NO	952.7		0.584	952.7
34	34 PCB-53	3.40e5	0.76	NO	0.939	5.000	29.32	29.32	0.943	0.943	NO	906.5		0.608	906.5
35	35 PCB-51	3.80e5	0.75	NO	1.00	5.000	29.68	29.67	0.955	0.955	NO	951.9		0.571	951.9
36	36 PCB-45	3.04e5	0.77	NO	0.802	5.000	30.13	30.12	0.969	0.969	NO	949.6		0.711	949.6
37	37 PCB-46	2.89e5	0.75	NO	0.770	5.000	30.63	30.62	0.985	0.985	NO	940.4		0.741	940.4
38	38 PCB-52/69	8.18e5	0.76	NO	1.08	5.000	31.12	31.12	1.001	1.001	NO	1894		0.527	1894
39	39 PCB-73	5.15e5	0.78	NO	1.31	5.000	31.24	31.24	1.005	1.005	NO	986.7		0.437	986.7
40	40 PCB-43/49	7.14e5	0.76	NO	0.925	5.000	31.41	31.40	1.010	1.010	NO	1932		0.617	1932
41	41 PCB-47	3.36e5	0.75	NO	0.863	5.000	31.63	31.63	1.001	1.001	NO	931.1		0.647	931.1
42	42 PCB-48/75	8.51e5	0.76	NO	1.04	5.000	31.76	31.74	1.005	1.004	NO	1960		0.538	1960
43	43 PCB-65	4.88e5	0.76	NO	1.16	5.000	32.04	32.02	1.014	1.013	NO	1006		0.481	1006
44	44 PCB-62	4.12e5	0.77	NO	1.04	5.000	32.13	32.11	1.016	1.016	NO	948.7		0.538	948.7
45	45 PCB-44	3.07e5	0.76	NO	0.757	5.000	32.46	32.44	1.027	1.026	NO	968.9		0.736	968.9
46	46 PCB-42/59	7.84e5	0.75	NO	0.975	5.000	32.69	32.67	1.034	1.034	NO	1922		0.572	1922
47	47 PCB-41/64/71/72	1.80e6	0.77	NO	1.12	5.000	33.29	33.28	1.053	1.053	NO	3846		0.500	3846
48	48 PCB-68	4.69e5	0.77	NO	1.19	5.000	33.56	33.54	1.062	1.061	NO	943.0		0.469	943.0
49	49 PCB-40	2.24e5	0.76	NO	0.572	5.000	33.79	33.77	1.069	1.068	NO	934.5		0.975	934.5
50	50 PCB-57	5.02e5	0.77	NO	1.08	5.000	34.12	34.14	0.969	0.969	NO	960.3		0.453	960.3
51	51 PCB-67	4.64e5	0.76	NO	1.02	5.000	34.43	34.46	0.978	0.978	NO	940.6		0.480	940.6
52	52 PCB-58	5.12e5	0.77	NO	1.08	5.000	34.55	34.57	0.981	0.982	NO	974.0		0.451	974.0
53	53 PCB-63	4.58e5	0.77	NO	0.971	5.000	34.72	34.73	0.986	0.986	NO	971.1		0.503	971.1
54	54 PCB-74	5.11e5	0.76	NO	1.09	5.000	35.02	35.03	0.994	0.995	NO	967.9		0.449	967.9
55	55 PCB-61/70	9.13e5	0.76	NO	0.978	5.000	35.24	35.16	1.000	0.998	NO	1921		0.499	1921
56	56 PCB-76/66	1.00e6	0.77	NO	1.07	5.000	35.41	35.44	1.005	1.006	NO	1924		0.456	1924
57	57 PCB-80	5.29e5	0.77	NO	1.08	5.000	35.69	35.68	1.001	1.001	NO	988.5		0.436	988.5
58	58 PCB-55	5.19e5	0.76	NO	1.06	5.000	36.02	36.02	1.010	1.010	NO	980.7		0.442	980.7
59	59 PCB-56/60	8.90e5	0.77	NO	0.946	5.000	36.53	36.52	1.024	1.024	NO	1894		0.497	1894
60	60 PCB-79	4.95e5	0.79	NO	1.06	5.000	37.63	37.62	1.055	1.055	NO	941.4		0.444	941.4
61	61 PCB-78	4.83e5	0.76	NO	1.01	5.000	38.35	38.34	0.987	0.987	NO	1005		0.483	1005
62	62 PCB-81	4.42e5	0.77	NO	0.941	5.000	38.89	38.88	1.000	1.000	NO	985.0		0.516	985.0
63	63 PCB-77	4.69e5	0.77	NO	1.03	5.000	39.50	39.50	1.000	1.000	NO	976.0		0.493	976.0
64	64 PCB-104	4.27e5	1.54	NO	0.982	5.000	32.30	32.30	1.001	1.001	NO	934.0		0.495	934.0
65	65 PCB-96	4.22e5	1.57	NO	0.982	5.000	33.59	33.58	1.041	1.040	NO	920.3		0.495	920.3
66	66 PCB-103	3.28e5	1.55	NO	0.770	5.000	34.15	34.16	1.058	1.058	NO	915.4		0.632	915.4
67	67 PCB-100	3.35e5	1.53	NO	0.805	5.000	34.52	34.51	1.070	1.069	NO	892.0		0.604	892.0
68	68 PCB-94	2.66e5	1.56	NO	0.831	5.000	34.99	34.99	0.985	0.985	NO	965.0		0.787	965.0

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Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	1.04e6	1.57	NO	1.07	5.000	35.49	35.50	0.999	0.999	NO	2935		0.611	2935
70	70 PCB-93	2.32e5	1.61	NO	0.761	5.000	35.63	35.63	1.003	1.003	NO	919.2		0.858	919.2
71	71 PCB-88/91	5.57e5	1.56	NO	0.910	5.000	35.96	35.96	1.012	1.012	NO	1842		0.718	1842
72	72 PCB-121	5.06e5	1.59	NO	1.46	5.000	36.07	36.06	1.015	1.015	NO	1041		0.446	1041
73	73 PCB-84/92	5.55e5	1.56	NO	0.826	5.000	36.91	36.91	0.990	0.990	NO	1870		0.733	1870
74	74 PCB-89	3.04e5	1.57	NO	0.885	5.000	37.09	37.10	0.995	0.995	NO	954.4		0.684	954.4
75	75 PCB-90/101	6.05e5	1.56	NO	0.905	5.000	37.30	37.28	1.000	1.000	NO	1861		0.669	1861
76	76 PCB-113	4.30e5	1.56	NO	1.26	5.000	37.54	37.54	1.007	1.007	NO	951.4		0.481	951.4
77	77 PCB-99	3.30e5	1.62	NO	0.993	5.000	37.64	37.64	1.010	1.009	NO	923.1		0.609	923.1
78	78 PCB-119	4.31e5	1.55	NO	1.53	5.000	38.12	38.12	0.987	0.987	NO	939.4		0.490	939.4
79	79 PCB-108/112	6.99e5	1.56	NO	1.25	5.000	38.28	38.27	0.991	0.991	NO	1874		0.601	1874
80	80 PCB-83	4.38e5	1.55	NO	1.56	5.000	38.44	38.44	0.995	0.995	NO	939.0		0.481	939.0
81	81 PCB-97	3.03e5	1.52	NO	1.12	5.000	38.64	38.64	1.000	1.000	NO	900.7		0.667	900.7
82	82 PCB-86	3.02e5	1.54	NO	1.06	5.000	38.79	38.79	1.004	1.004	NO	953.9		0.708	953.9
83	83 PCB-87/117/125	1.14e6	1.54	NO	1.34	5.000	38.93	38.92	1.008	1.008	NO	2844		0.559	2844
84	84 PCB-111/115	9.66e5	1.54	NO	1.62	5.000	39.09	39.09	1.012	1.012	NO	1996		0.464	1996
85	85 PCB-85/116	6.68e5	1.55	NO	1.23	5.000	39.21	39.22	1.015	1.015	NO	1811		0.608	1811
86	86 PCB-120	4.96e5	1.53	NO	1.79	5.000	39.48	39.48	1.022	1.022	NO	924.0		0.418	924.0
87	87 PCB-110	4.26e5	1.57	NO	1.50	5.000	39.63	39.61	1.026	1.026	NO	948.2		0.500	948.2
88	88 PCB-82	2.53e5	1.58	NO	0.638	5.000	40.27	40.26	0.976	0.976	NO	898.2		0.796	898.2
89	89 PCB-124	4.38e5	1.56	NO	1.08	5.000	40.98	40.97	0.993	0.993	NO	921.2		0.470	921.2
90	90 PCB-107/109	9.06e5	1.56	NO	1.11	5.000	41.12	41.12	0.996	0.996	NO	1852		0.458	1852
91	91 PCB-123	4.05e5	1.57	NO	1.00	5.000	41.29	41.30	1.000	1.001	NO	917.6		0.507	917.6
92	92 PCB-106/118	8.59e5	1.58	NO	1.02	5.000	41.49	41.51	1.001	1.001	NO	1903		0.520	1903
93	93 PCB-114	4.05e5	1.55	NO	1.08	5.000	42.15	42.15	1.000	1.000	NO	998.3		0.785	998.3
94	94 PCB-122	3.53e5	1.58	NO	0.930	5.000	42.30	42.30	1.004	1.004	NO	1014		0.914	1014
95	95 PCB-105	4.11e5	1.55	NO	1.03	5.000	43.04	43.04	1.000	1.000	NO	1005		0.784	1005
96	96 PCB-127	4.33e5	1.60	NO	1.06	5.000	43.40	43.40	1.000	1.000	NO	1008		0.753	1008
97	97 PCB-126	4.64e5	1.57	NO	1.15	5.000	45.35	45.35	1.000	1.000	NO	991.6		0.704	991.6
98	98 PCB-155	3.42e5	1.28	NO	0.853	5.000	36.82	36.82	1.000	1.001	NO	977.4		0.294	977.4
99	99 PCB-150	3.52e5	1.28	NO	0.934	5.000	38.12	38.12	1.036	1.036	NO	917.8		0.269	917.8
100	1... PCB-152	3.99e5	1.27	NO	1.02	5.000	38.62	38.62	1.049	1.050	NO	953.4		0.246	953.4
101	1... PCB-145	3.97e5	1.26	NO	0.983	5.000	39.09	39.09	1.062	1.062	NO	984.3		0.255	984.3
102	1... PCB-136	3.53e5	1.27	NO	0.881	5.000	39.40	39.40	1.071	1.071	NO	975.8		0.285	975.8
103	1... PCB-148	2.55e5	1.27	NO	0.666	5.000	39.53	39.53	1.074	1.074	NO	934.0		0.377	934.0
104	1... PCB-154	2.91e5	1.26	NO	0.721	5.000	40.03	40.04	1.088	1.088	NO	982.0		0.348	982.0

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#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	2.51e5	1.27	NO	0.674	5.000	40.70	40.69	1.106	1.106	NO	905.6		0.372	905.6
106	1... PCB-135	2.77e5	1.25	NO	0.723	5.000	40.93	40.91	1.112	1.112	NO	932.2		0.347	932.2
107	1... PCB-144	2.78e5	1.27	NO	0.691	5.000	41.02	41.02	1.115	1.115	NO	980.4		0.363	980.4
108	1... PCB-147	2.72e5	1.28	NO	0.713	5.000	41.16	41.17	1.119	1.119	NO	930.9		0.352	930.9
109	1... PCB-139/149	6.12e5	1.25	NO	0.773	5.000	41.44	41.43	1.126	1.126	NO	1926		0.325	1926
110	1... PCB-140	2.63e5	1.27	NO	0.652	5.000	41.64	41.64	1.131	1.131	NO	980.7		0.385	980.7
111	1... PCB-134/143	4.79e5	1.26	NO	0.718	5.000	42.07	42.07	0.974	0.974	NO	1877		1.33	1877
112	1... PCB-131/133	5.17e5	1.24	NO	0.768	5.000	42.40	42.40	0.982	0.982	NO	1893		1.25	1893
113	1... PCB-142	2.39e5	1.23	NO	0.687	5.000	42.55	42.55	0.985	0.985	NO	976.5		1.39	976.5
114	1... PCB-146/165	6.44e5	1.26	NO	0.943	5.000	42.79	42.79	0.991	0.991	NO	1921		1.01	1921
115	1... PCB-132/161	6.48e5	1.24	NO	0.957	5.000	43.04	43.02	0.997	0.996	NO	1904		0.999	1904
116	1... PCB-153	3.46e5	1.24	NO	0.990	5.000	43.23	43.21	1.001	1.000	NO	983.3		0.966	983.3
117	1... PCB-168	3.55e5	1.25	NO	1.03	5.000	43.44	43.44	1.006	1.006	NO	966.0		0.924	966.0
118	1... PCB-141	2.69e5	1.24	NO	0.948	5.000	43.97	43.97	1.000	1.000	NO	969.0		1.25	969.0
119	1... PCB-137	2.74e5	1.24	NO	0.964	5.000	44.34	44.37	1.009	1.009	NO	973.3		1.23	973.3
120	1... PCB-130	2.37e5	1.26	NO	0.816	5.000	44.46	44.48	1.012	1.012	NO	989.9		1.45	989.9
121	1... PCB-138/163/164	1.06e6	1.23	NO	1.15	5.000	44.88	44.88	1.001	1.001	NO	2989		0.976	2989
122	1... PCB-158/160	7.27e5	1.24	NO	1.14	5.000	45.12	45.12	1.007	1.007	NO	2080		0.990	2080
123	1... PCB-129	2.47e5	1.27	NO	0.807	5.000	45.37	45.35	1.012	1.012	NO	998.3		1.40	998.3
124	1... PCB-166	3.92e5	1.23	NO	1.03	5.000	45.83	45.82	0.993	0.993	NO	982.1		0.889	982.1
125	1... PCB-159	4.15e5	1.25	NO	1.10	5.000	46.16	46.17	1.000	1.000	NO	979.0		0.836	979.0
126	1... PCB-128/162	6.23e5	1.22	NO	0.836	5.000	46.46	46.47	1.007	1.007	NO	1925		1.10	1925
127	1... PCB-167	3.73e5	1.24	NO	0.960	5.000	46.87	46.88	1.000	1.001	NO	988.1		0.946	988.1
128	1... PCB-156	3.70e5	1.25	NO	1.06	5.000	48.21	48.21	1.000	1.000	NO	959.2		0.938	959.2
129	1... PCB-157	3.38e5	1.26	NO	0.960	5.000	48.48	48.48	1.000	1.000	NO	958.8		1.02	958.8
130	1... PCB-169	3.61e5	1.24	NO	1.04	5.000	50.75	50.75	1.000	1.000	NO	962.0		1.01	962.0
131	1... PCB-188	3.82e5	1.04	NO	1.15	5.000	42.85	42.83	1.001	1.000	NO	960.1		0.673	960.1
132	1... PCB-184	3.67e5	1.02	NO	1.14	5.000	43.30	43.29	1.011	1.011	NO	928.8		0.678	928.8
133	1... PCB-179	3.81e5	1.04	NO	1.07	5.000	44.10	44.10	1.030	1.030	NO	1023		0.720	1023
134	1... PCB-176	3.77e5	1.07	NO	1.11	5.000	44.57	44.57	1.041	1.041	NO	977.7		0.695	977.7
135	1... PCB-186	4.34e5	1.03	NO	1.23	5.000	45.20	45.20	1.056	1.056	NO	1018		0.628	1018
136	1... PCB-178	2.77e5	1.03	NO	0.830	5.000	45.73	45.71	1.068	1.068	NO	962.9		0.932	962.9
137	1... PCB-175	2.82e5	1.03	NO	0.853	5.000	46.07	46.07	1.076	1.076	NO	953.5		0.907	953.5
138	1... PCB-182/187	6.26e5	1.02	NO	0.942	5.000	46.26	46.26	1.081	1.081	NO	1918		0.821	1918
139	1... PCB-183	3.12e5	1.02	NO	0.910	5.000	46.58	46.58	1.088	1.088	NO	989.0		0.850	989.0
140	1... PCB-185	2.76e5	1.03	NO	1.24	5.000	47.26	47.26	0.954	0.954	NO	999.8		1.01	999.8

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-2.qld

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	2.63e5	1.01	NO	1.20	5.000	47.64	47.62	0.962	0.962	NO	986.7		1.05	986.7
142	1... PCB-181	2.98e5	1.03	NO	1.33	5.000	47.74	47.74	0.964	0.964	NO	1006		0.942	1006
143	1... PCB-177	2.50e5	1.01	NO	1.14	5.000	47.93	47.91	0.968	0.967	NO	984.4		1.10	984.4
144	1... PCB-171	2.53e5	1.01	NO	1.22	5.000	48.22	48.21	0.974	0.974	NO	933.2		1.03	933.2
145	1... PCB-173	2.29e5	1.02	NO	1.07	5.000	48.67	48.65	0.983	0.982	NO	963.8		1.17	963.8
146	1... PCB-172	2.69e5	1.04	NO	1.26	5.000	49.12	49.12	0.992	0.992	NO	959.5		0.997	959.5
147	1... PCB-192	3.53e5	1.04	NO	1.61	5.000	49.33	49.31	0.996	0.996	NO	981.4		0.776	981.4
148	1... PCB-180	2.76e5	1.01	NO	1.30	5.000	49.54	49.54	1.000	1.000	NO	951.3		0.963	951.3
149	1... PCB-193	3.14e5	1.02	NO	1.47	5.000	49.74	49.75	1.004	1.005	NO	957.9		0.852	957.9
150	1... PCB-191	3.25e5	1.03	NO	1.51	5.000	50.01	50.01	1.010	1.010	NO	970.3		0.832	970.3
151	1... PCB-170	2.37e5	1.03	NO	1.23	5.000	51.21	51.21	1.000	1.000	NO	937.2		1.07	937.2
152	1... PCB-190	3.20e5	1.02	NO	1.61	5.000	51.42	51.39	1.005	1.004	NO	968.8		0.816	968.8
153	1... PCB-189	3.20e5	1.05	NO	1.27	5.000	52.91	52.91	1.000	1.000	NO	958.6		0.709	958.6
154	1... PCB-202	3.34e5	0.87	NO	0.995	5.000	48.44	48.42	1.001	1.000	NO	929.5		0.389	929.5
155	1... PCB-201	3.05e5	0.90	NO	0.904	5.000	48.91	48.93	1.010	1.011	NO	932.0		0.428	932.0
156	1... PCB-204	3.20e5	0.89	NO	0.955	5.000	49.06	49.08	1.014	1.014	NO	927.0		0.405	927.0
157	1... PCB-197	3.30e5	0.88	NO	0.964	5.000	49.38	49.40	1.020	1.021	NO	946.5		0.402	946.5
158	1... PCB-200	3.12e5	0.89	NO	0.911	5.000	50.31	50.33	1.039	1.040	NO	947.8		0.425	947.8
159	1... PCB-198	2.25e5	0.92	NO	0.696	5.000	51.87	51.89	1.072	1.072	NO	893.7		0.556	893.7
160	1... PCB-199	2.32e5	0.89	NO	0.706	5.000	52.00	52.00	1.074	1.074	NO	908.0		0.548	908.0
161	1... PCB-196/203	4.79e5	0.89	NO	0.754	5.000	52.30	52.32	1.081	1.081	NO	1756		0.513	1756
162	1... PCB-195	2.13e5	0.89	NO	0.957	5.000	53.61	53.60	0.984	0.983	NO	1030		1.09	1030
163	1... PCB-194	2.25e5	0.89	NO	1.06	5.000	54.52	54.52	1.000	1.000	NO	980.9		0.985	980.9
164	1... PCB-205	2.88e5	0.90	NO	1.27	5.000	54.80	54.80	1.005	1.005	NO	1050		0.824	1050
165	1... PCB-208	2.47e5	1.34	NO	0.861	5.000	53.76	53.76	1.000	1.000	NO	980.2		0.910	980.2
166	1... PCB-207	2.45e5	1.34	NO	0.849	5.000	54.10	54.10	1.007	1.007	NO	986.6		0.922	986.6
167	1... PCB-206	1.89e5	1.33	NO	0.951	5.000	56.07	56.07	1.000	1.000	NO	962.4		1.22	962.4
168	1... PCB-209	2.20e5	1.19	NO	0.863	5.000	57.30	57.30	1.000	1.000	NO	925.5		0.179	925.5
169	1... 13C-PCB-1	1.49e6	3.15	NO	0.937	5.000	15.42	15.41	0.608	0.608	NO	1473	73.7	1.50	
170	1... 13C-PCB-3	1.40e6	3.14	NO	0.934	5.000	18.05	18.03	0.712	0.711	NO	1389	69.4	1.50	
171	1... 13C-PCB-4	8.56e5	1.57	NO	0.599	5.000	19.40	19.38	0.765	0.764	NO	1320	66.0	0.779	
172	1... 13C-PCB-9	1.40e6	1.58	NO	0.960	5.000	21.21	21.19	0.836	0.836	NO	1351	67.6	0.486	
173	1... 13C-PCB-11	1.29e6	1.53	NO	0.929	5.000	24.64	24.64	0.971	0.972	NO	1281	64.0	0.502	
174	1... 13C-PCB-19	7.88e5	1.01	NO	0.506	5.000	23.61	23.60	0.931	0.930	NO	1437	71.9	9.43	
175	1... 13C-PCB-32	1.19e6	1.01	NO	0.738	5.000	26.60	26.59	1.049	1.048	NO	1490	74.5	6.47	
176	1... 13C-PCB-28	1.27e6	1.05	NO	1.06	5.000	28.59	28.59	1.004	1.004	NO	1359	68.0	5.04	

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Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.15e6	1.04	NO	0.979	5.000	32.57	32.58	1.143	1.144	NO	1337	66.9	5.46	
178	1... 13C-PCB-54	9.64e5	0.77	NO	0.981	5.000	27.43	27.44	0.751	0.752	NO	1334	66.7	1.30	
179	1... 13C-PCB-52	7.98e5	0.77	NO	0.786	5.000	31.09	31.09	0.852	0.852	NO	1378	68.9	1.63	
180	1... 13C-PCB-47	8.37e5	0.78	NO	0.833	5.000	31.60	31.61	0.866	0.866	NO	1364	68.2	1.54	
181	1... 13C-PCB-70	9.72e5	0.79	NO	0.981	5.000	35.23	35.22	0.965	0.965	NO	1344	67.2	1.30	
182	1... 13C-PCB-80	9.94e5	0.77	NO	1.01	5.000	35.66	35.67	0.977	0.977	NO	1330	66.5	1.26	
183	1... 13C-PCB-81	9.55e5	0.78	NO	0.995	5.000	38.86	38.87	1.064	1.065	NO	1303	65.2	1.28	
184	1... 13C-PCB-77	9.33e5	0.80	NO	0.977	5.000	39.48	39.48	1.082	1.082	NO	1296	64.8	1.31	
185	1... 13C-PCB-104	9.32e5	1.56	NO	1.00	5.000	32.29	32.28	0.826	0.826	NO	1408	70.4	0.571	
186	1... 13C-PCB-95	6.64e5	1.57	NO	0.779	5.000	35.53	35.53	0.910	0.910	NO	1293	64.7	0.736	
187	1... 13C-PCB-101	7.19e5	1.57	NO	0.833	5.000	37.28	37.28	0.954	0.954	NO	1310	65.5	0.689	
188	1... 13C-PCB-97	5.99e5	1.58	NO	0.679	5.000	38.62	38.62	0.988	0.989	NO	1339	66.9	0.845	
189	1... 13C-PCB-123	8.83e5	1.57	NO	0.970	5.000	41.26	41.27	1.056	1.056	NO	1380	69.0	0.591	
190	1... 13C-PCB-118	8.83e5	1.51	NO	1.00	5.000	41.45	41.45	1.061	1.061	NO	1338	66.9	0.573	
191	1... 13C-PCB-114	7.49e5	1.56	NO	1.55	5.000	42.14	42.13	0.908	0.907	NO	1184	59.2	0.842	
192	1... 13C-PCB-105	7.90e5	1.61	NO	1.59	5.000	43.02	43.02	0.927	0.927	NO	1215	60.7	0.818	
193	1... 13C-PCB-127	8.13e5	1.52	NO	1.66	5.000	43.39	43.38	0.934	0.934	NO	1201	60.0	0.786	
194	1... 13C-PCB-126	8.14e5	1.57	NO	1.65	5.000	45.33	45.33	0.976	0.976	NO	1211	60.6	0.792	
195	1... 13C-PCB-155	8.21e5	1.24	NO	0.819	5.000	36.80	36.80	0.942	0.942	NO	1521	76.0	0.374	
196	1... 13C-PCB-153	7.11e5	1.23	NO	1.31	5.000	43.20	43.19	0.930	0.930	NO	1326	66.3	1.08	
197	1... 13C-PCB-141	5.85e5	1.27	NO	1.08	5.000	43.97	43.95	0.947	0.947	NO	1322	66.1	1.30	
198	1... 13C-PCB-138	6.14e5	1.24	NO	1.15	5.000	44.82	44.82	0.965	0.965	NO	1304	65.2	1.23	
199	1... 13C-PCB-159	7.74e5	1.29	NO	1.39	5.000	46.16	46.15	0.994	0.994	NO	1360	68.0	1.01	
200	2... 13C-PCB-167	7.87e5	1.27	NO	1.43	5.000	46.86	46.85	1.009	1.009	NO	1351	67.5	0.991	
201	2... 13C-PCB-156	7.26e5	1.26	NO	1.34	5.000	48.20	48.19	1.038	1.038	NO	1327	66.4	1.06	
202	2... 13C-PCB-157	7.33e5	1.29	NO	1.36	5.000	48.46	48.46	1.044	1.044	NO	1322	66.1	1.04	
203	2... 13C-PCB-169	7.22e5	1.25	NO	1.33	5.000	50.73	50.73	1.092	1.093	NO	1326	66.3	1.06	
204	2... 13C-PCB-188	6.93e5	0.44	NO	1.39	5.000	42.80	42.81	0.925	0.926	NO	1334	66.7	1.25	
205	2... 13C-PCB-180	4.45e5	0.45	NO	0.907	5.000	49.51	49.52	1.071	1.071	NO	1315	65.7	1.92	
206	2... 13C-PCB-170	4.10e5	0.45	NO	0.823	5.000	51.16	51.19	1.106	1.107	NO	1335	66.7	2.12	
207	2... 13C-PCB-189	5.24e5	0.44	NO	1.08	5.000	52.86	52.89	1.143	1.144	NO	1305	65.3	1.62	
208	2... 13C-PCB-202	7.24e5	0.95	NO	1.23	5.000	48.39	48.40	1.046	1.047	NO	1573	78.6	0.779	
209	2... 13C-PCB-194	4.33e5	0.90	NO	0.710	5.000	54.52	54.51	0.995	0.995	NO	1313	65.7	1.13	
210	2... 13C-PCB-208	5.84e5	0.77	NO	0.865	5.000	53.76	53.75	0.981	0.981	NO	1455	72.7	1.27	
211	2... 13C-PCB-206	4.13e5	0.79	NO	0.623	5.000	56.07	56.06	1.023	1.023	NO	1429	71.5	1.77	
212	2... 13C-PCB-209	5.50e5	1.19	NO	0.725	5.000	57.31	57.30	1.046	1.046	NO	1635	81.7	0.221	

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-2.qld

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Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

	# Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.16e6	1.59	NO	1.00	5.000	25.39	25.36	1.000	0.000	NO	2000	100	0.467	
214	2... 13C-PCB-31	1.76e6	1.03	NO	1.00	5.000	28.52	28.48	1.000	0.000	NO	2000	100	5.34	
215	2... 13C-PCB-60	1.47e6	0.77	NO	1.00	5.000	36.54	36.50	1.000	0.000	NO	2000	100	1.28	
216	2... 13C-PCB-111	1.32e6	1.62	NO	1.00	5.000	39.11	39.07	1.000	0.000	NO	2000	100	0.574	
217	2... 13C-PCB-128	8.17e5	1.26	NO	1.00	5.000	46.47	46.43	1.000	0.000	NO	2000	100	1.41	
218	2... 13C-PCB-182	7.47e5	0.44	NO	1.00	5.000	46.30	46.24	0.000	0.000	NO	2000	100	1.74	
219	2... 13C-PCB-205	9.29e5	0.92	NO	1.00	5.000	54.81	54.78	1.000	0.000	NO	2000	100	0.800	
220	2... 13C-PCB-79	9.82e5	0.77	NO	1.04	5.000	37.60	37.60	1.030	1.030	NO	1287	64.3	1.23	
221	2... 13C-PCB-178	4.56e5	0.44	NO	0.774	5.000	45.68	45.69	0.988	0.988	NO	1441	72.1	2.03	
222	2... 13C-PCB-79	9.77e5	0.78	NO	1.04	5.000	37.61	37.60	0.968	0.967	NO	1964	98.2	1.90	
223	2... 13C-PCB-178	4.56e5	0.44	NO	1.02	5.000	45.69	45.69	0.923	0.923	NO	2011	101	2.89	



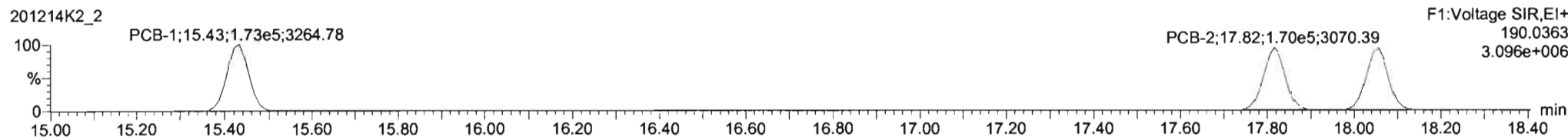
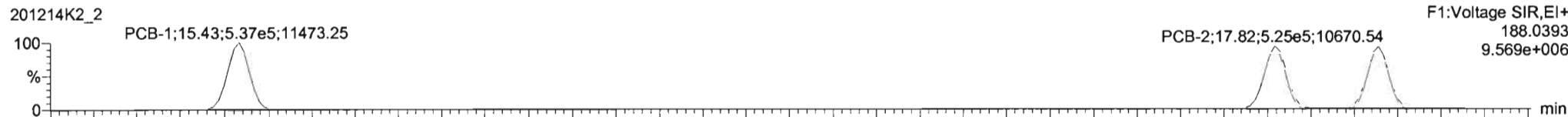
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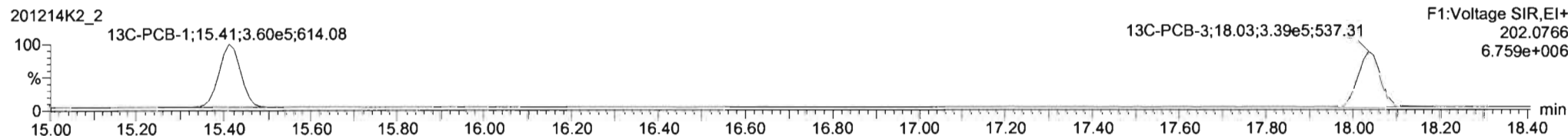
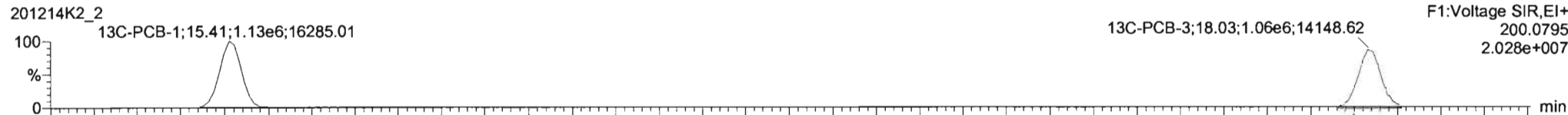
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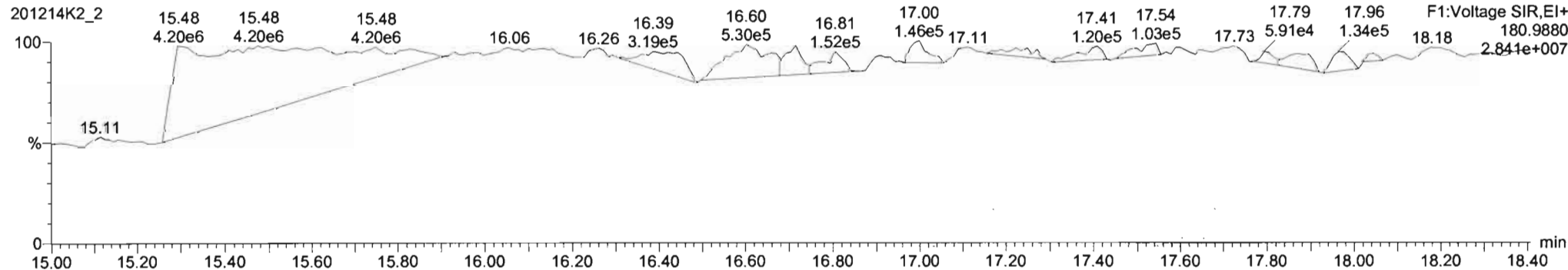
**PCB-1**



**13C-PCB-1**



**PFK1**

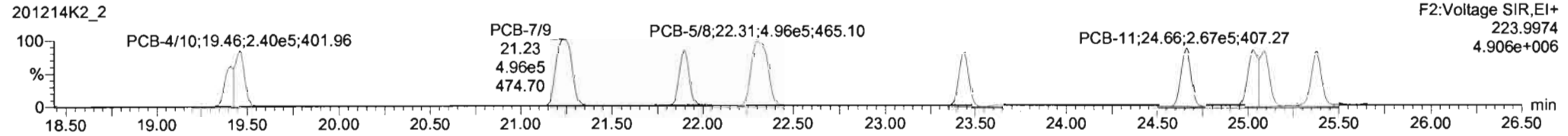
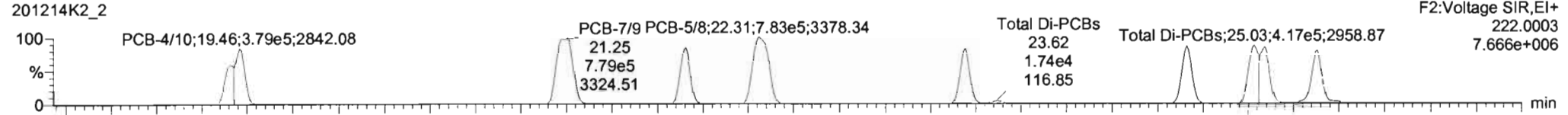


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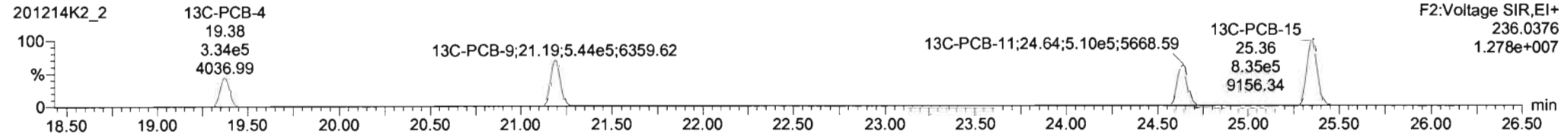
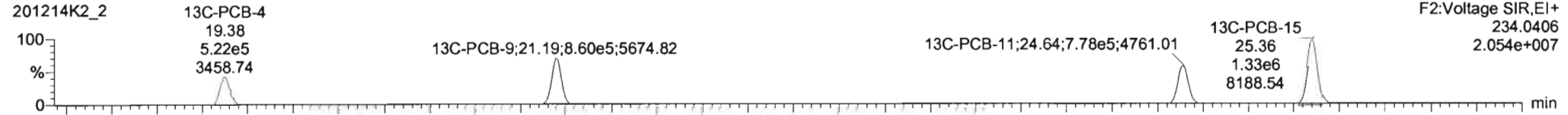
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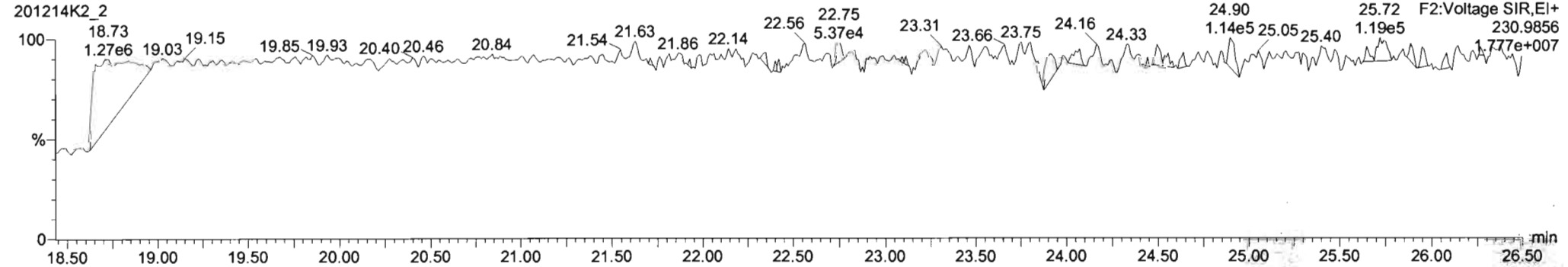
**PCB-4/10**



**13C-PCB-4**

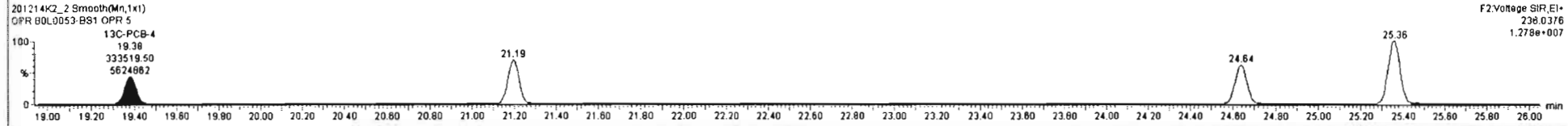
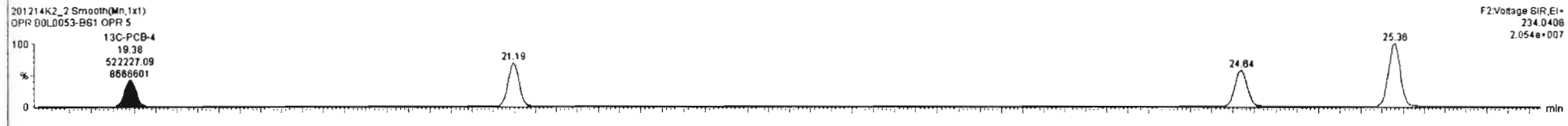
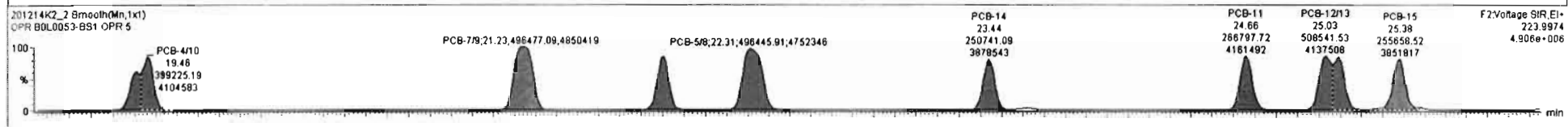
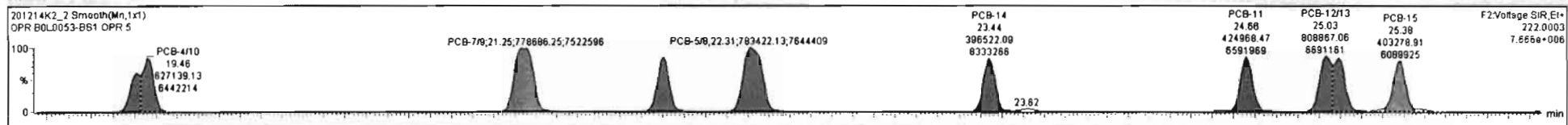


**PFK2a**



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
218	13C-PCB-182	7.47e5	0.44	NO	1.0000	5.000	46.30	46.24	0.000	0.000	NO	2000	100	1.74	
219	13C-PCB-205	9.29e5	0.92	NO	1.0000	5.000	54.81	54.78	1.000	0.000	NO	2000	100	0.800	
220	13C-PCB-79	9.82e5	0.77	NO	1.0359	5.000	37.60	37.60	1.030	1.030	NO	1267	64.3	1.23	
221	13C-PCB-178	4.56e5	0.44	NO	0.7744	5.000	45.68	45.68	0.988	0.988	NO	1441	72.1	2.03	
222	13C-PCB-79	9.77e5	0.78	NO	1.0415	5.000	37.61	37.60	0.988	0.967	NO	1964	98.2	1.90	
223	13C-PCB-178	4.56e5	0.44	NO	1.0180	5.000	45.69	45.69	0.923	0.923	NO	2011	101	2.89	
224	Total Mono-PCBs				1.0034	5.000	0.00		0.000		NO	2909		0.876	2909

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.46	19.46	8.271e5	3.982e5	1.560	1.57	NO	1986.7	1986.7
2	5 PCB-7/8	21.25	21.25	7.787e5	4.965e5	1.560	1.57	NO	1936.0	1936.0
3	6 PCB-6	21.89	21.80	4.043e5	2.550e5	1.560	1.59	NO	943.12	943.12
4	7 PCB-5/8	22.30	22.31	7.834e5	4.964e5	1.560	1.58	NO	1869.6	1869.6
5	8 PCB-14	23.44	23.44	3.965e5	2.507e5	1.560	1.58	NO	981.74	981.74
6	9 PCB-11	24.66	24.66	4.250e5	2.668e5	1.560	1.59	NO	962.53	962.53
7	10 PCB-12/13	25.09	25.03	8.089e5	5.085e5	1.560	1.59	NO	2007.8	2007.8

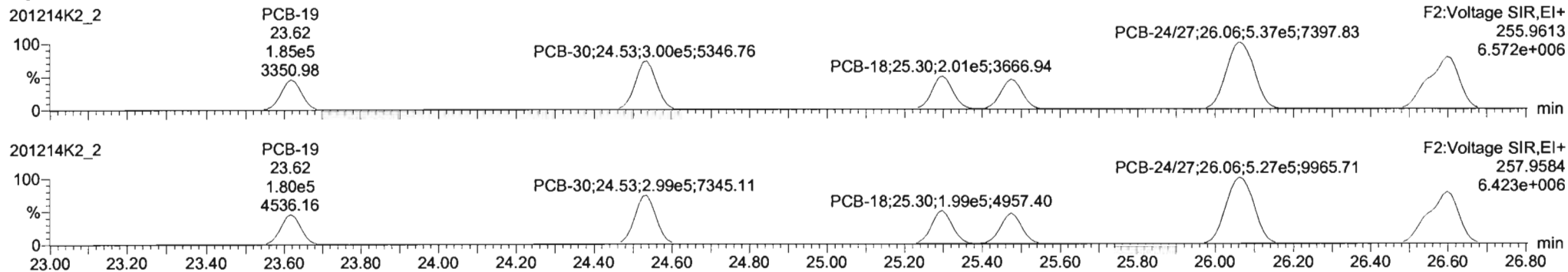


Dataset: Untitled

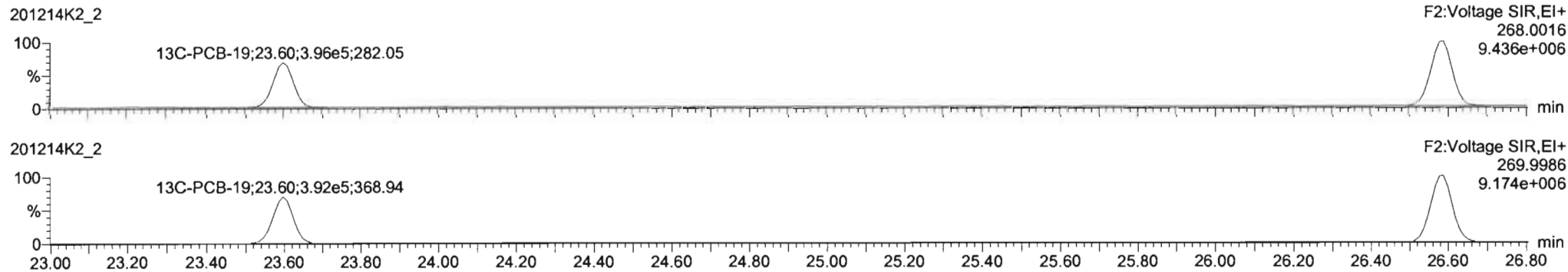
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

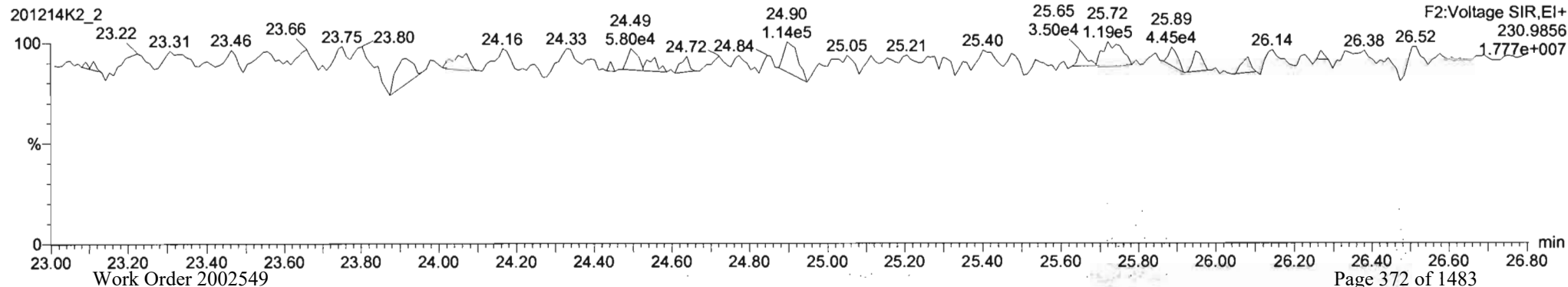
**PCB-19**



**13C-PCB-19**



**PFK2b**



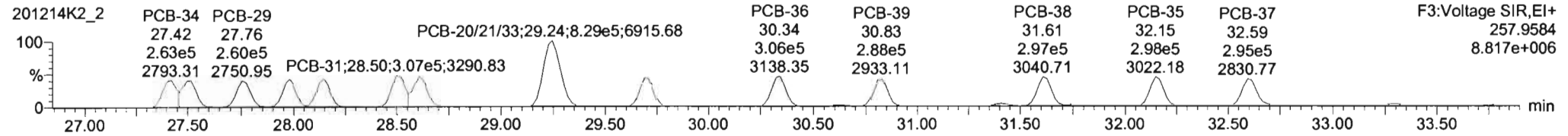
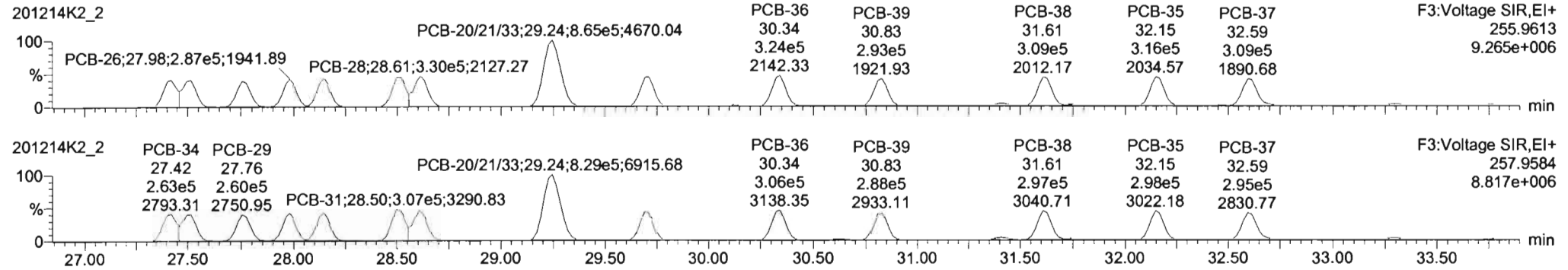
Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

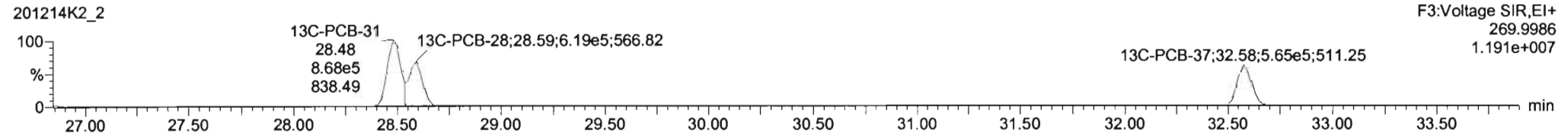
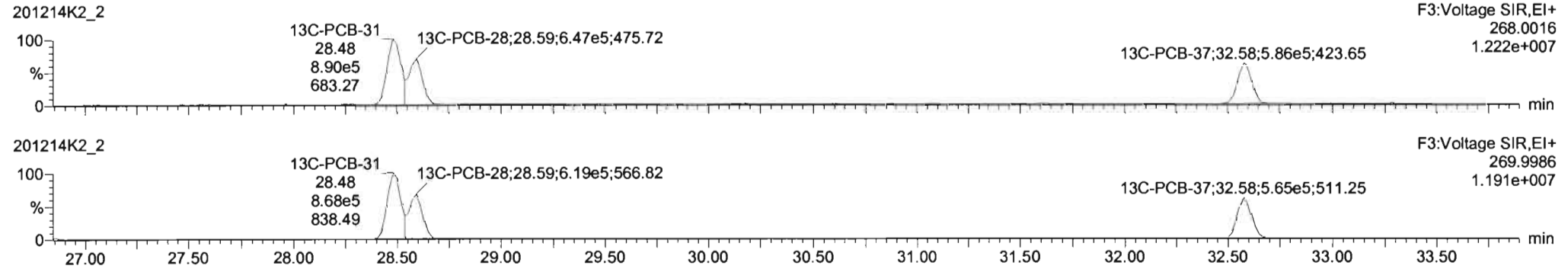
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

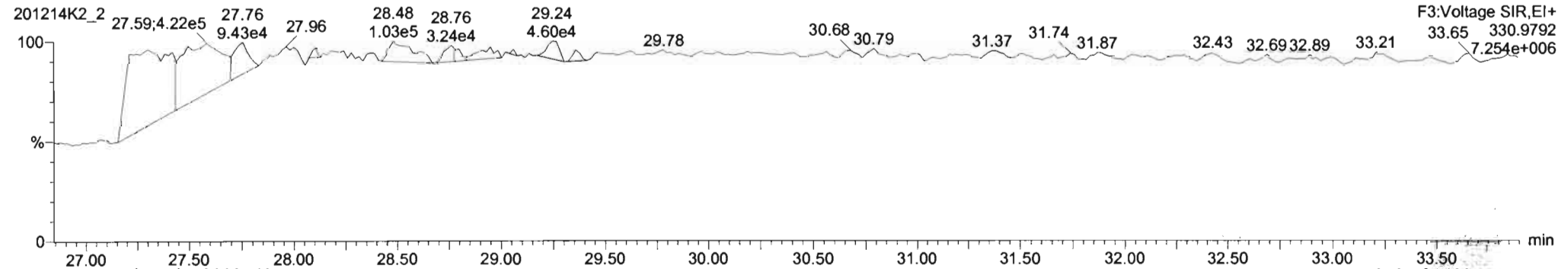
**PCB-34**

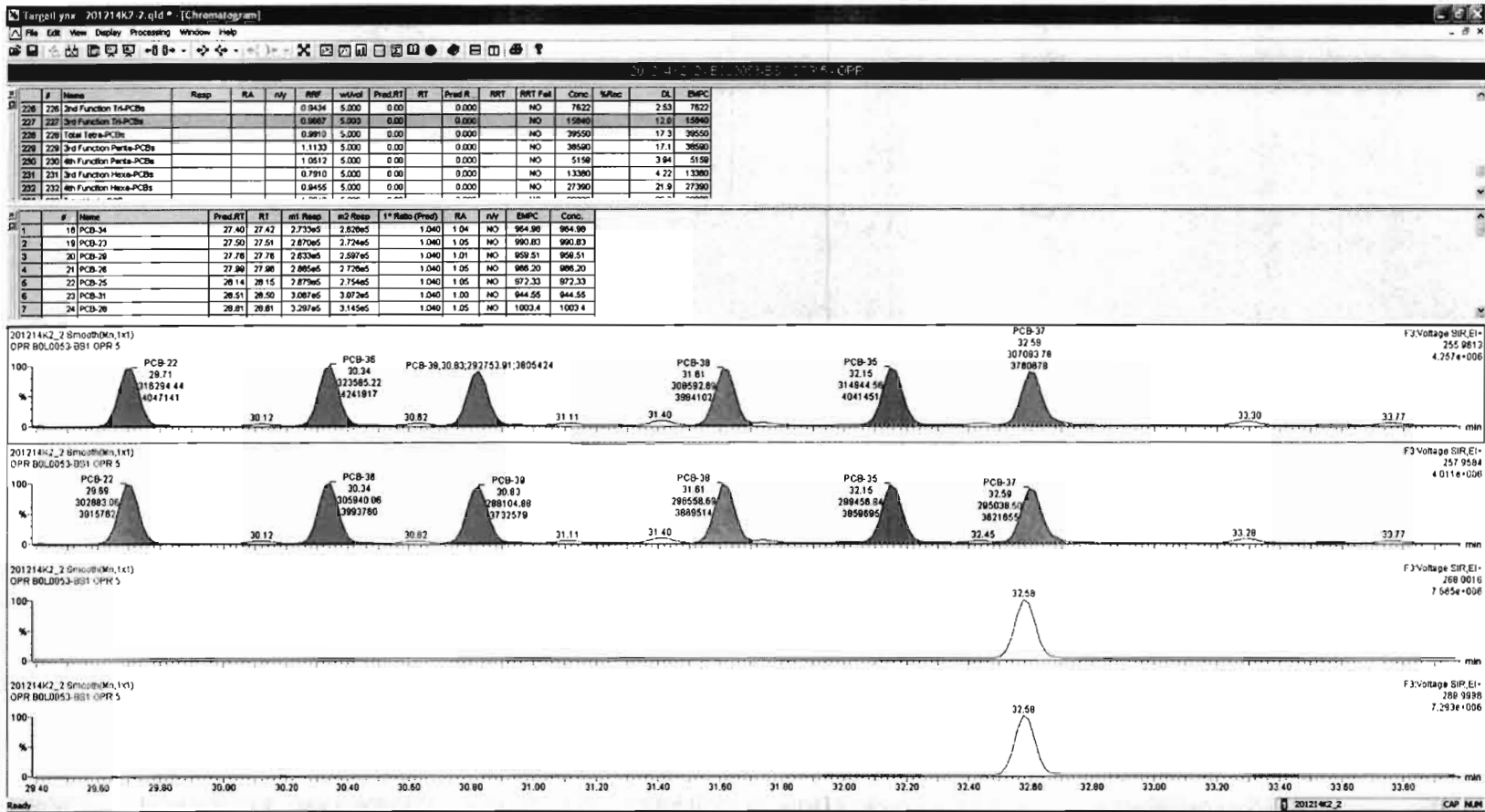


**13C-PCB-28**



**PFK3d**





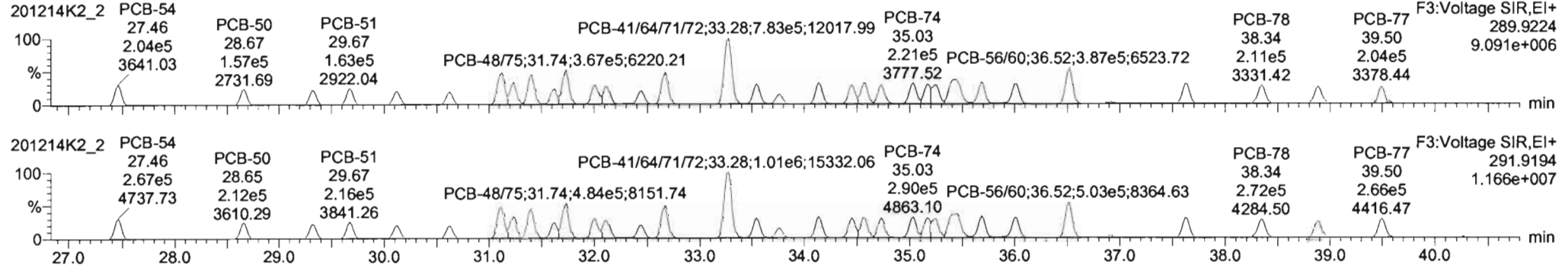
Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

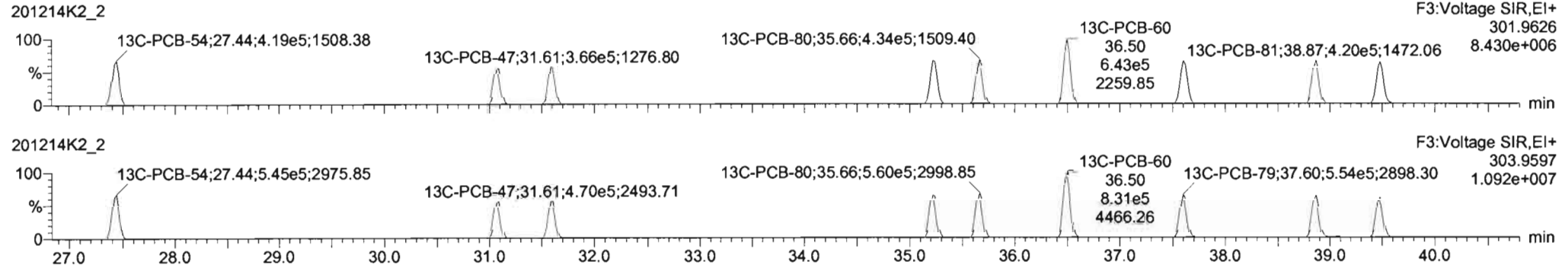
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

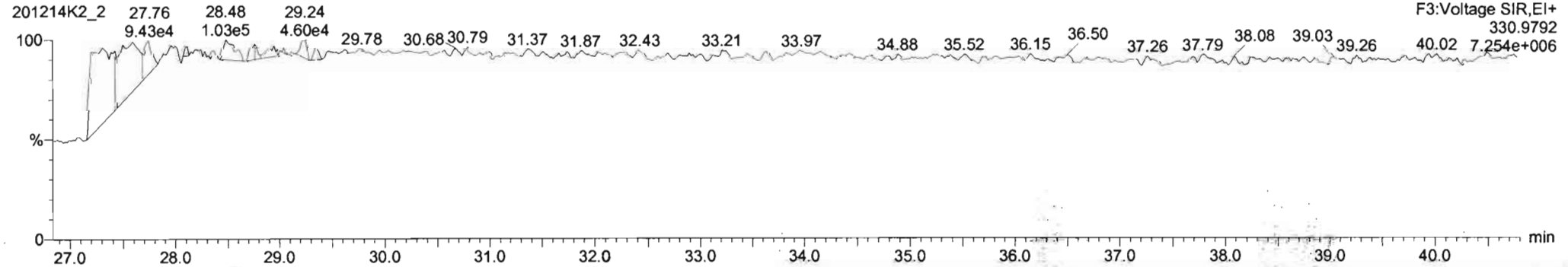
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

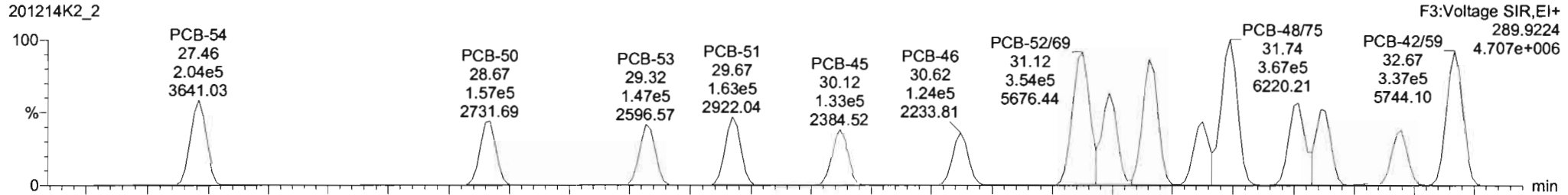
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

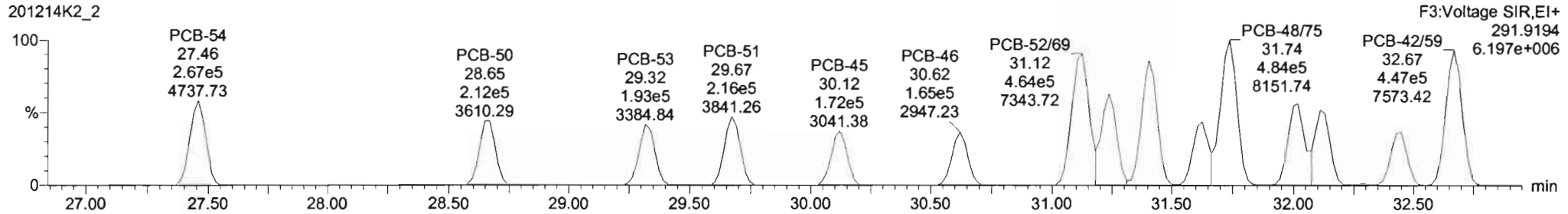
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-50**

201214K2\_2

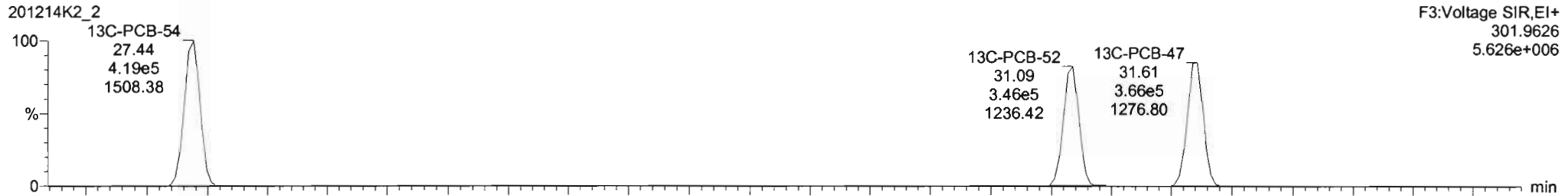


201214K2\_2

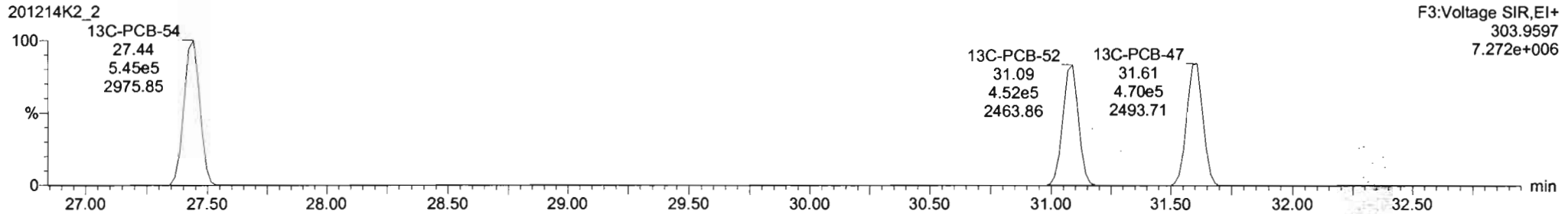


**13C-PCB-52**

201214K2\_2



201214K2\_2





Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

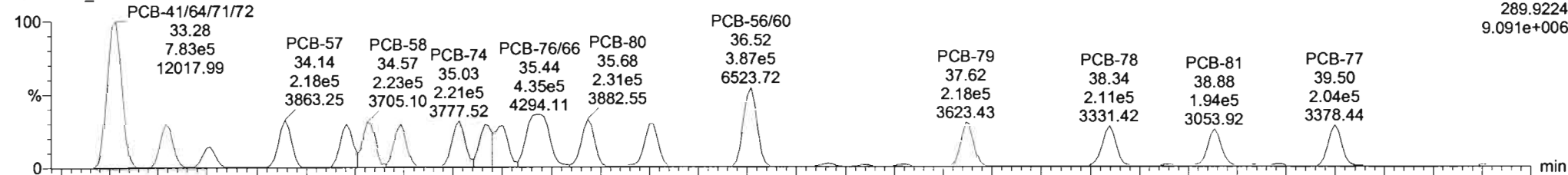
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-68**

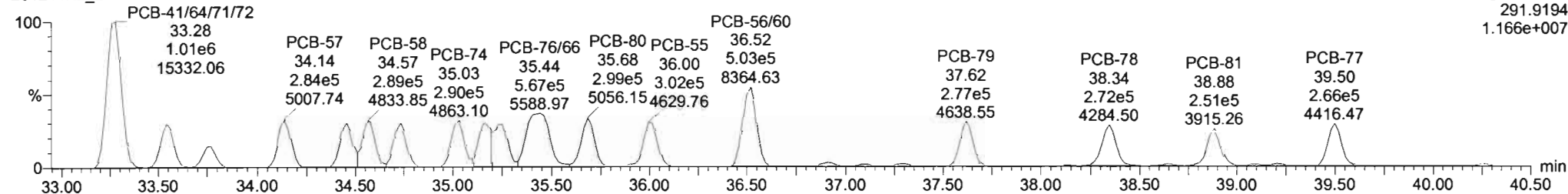
201214K2\_2

F3:Voltage SIR,EI+  
289.9224  
9.091e+006



201214K2\_2

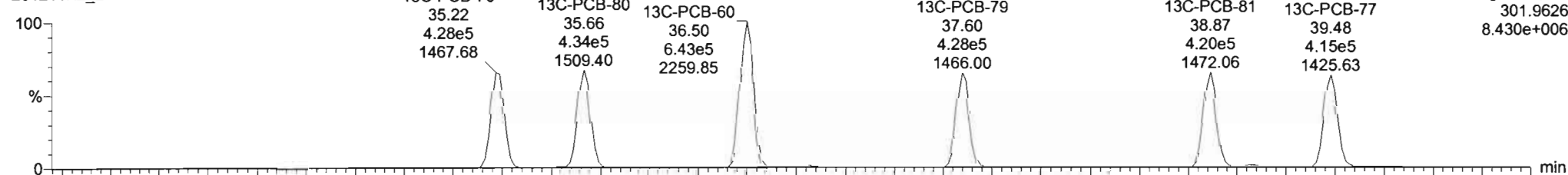
F3:Voltage SIR,EI+  
291.9194  
1.166e+007



**13C-PCB-60**

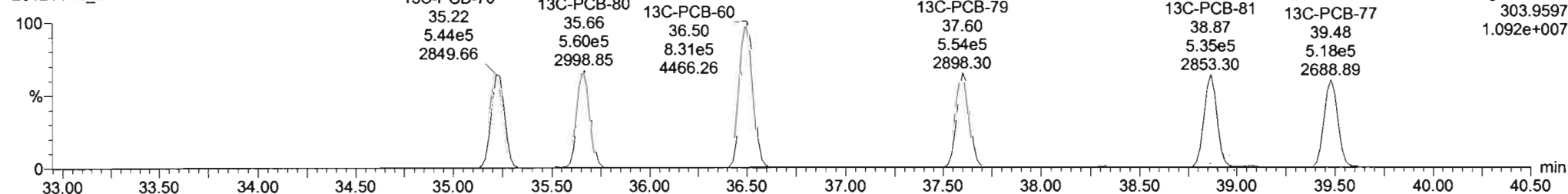
201214K2\_2

F3:Voltage SIR,EI+  
301.9626  
8.430e+006



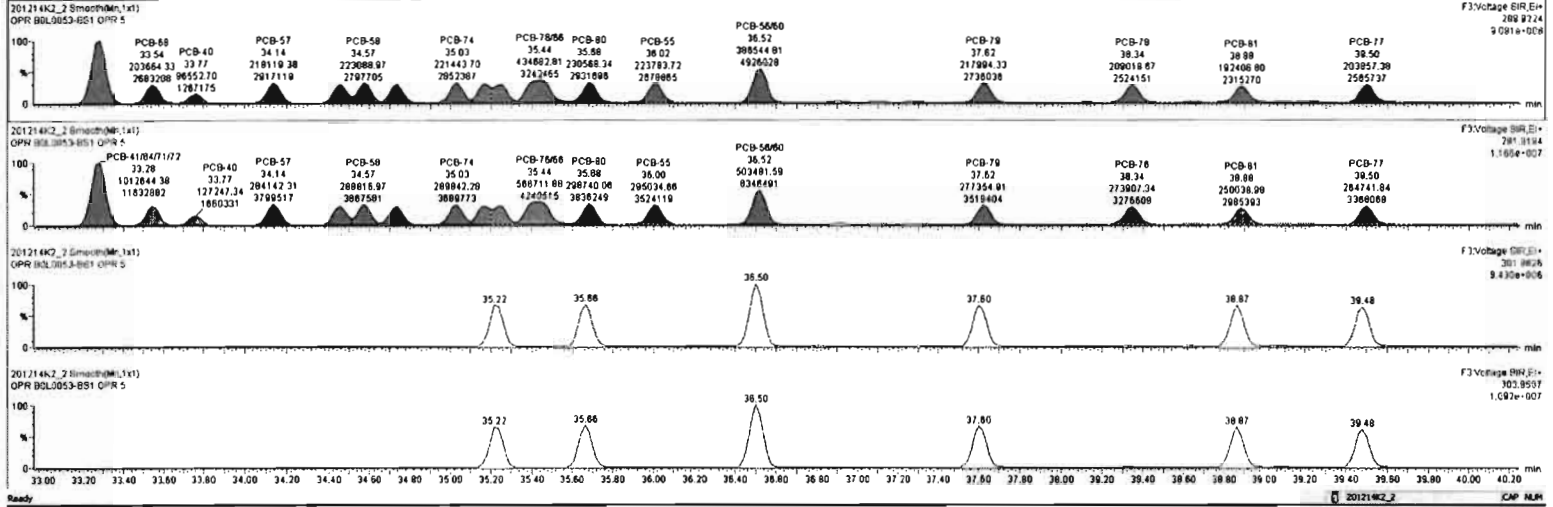
201214K2\_2

F3:Voltage SIR,EI+  
303.9597  
1.092e+007



#	Name	Pump	RA	rvy	RPF	wtAve	Prod RT	RT	Prod_RL	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				0.9434	5.000	0.00	0.000			NO	7622		2.53	7622
227	3rd Function Tri-PCBs				0.9687	5.000	0.00	0.000			NO	15840		12.0	15840
228	Total Tetra-PCBs				0.9910	5.000	0.00	0.000			NO	40410		17.3	40410
229	3rd Function Penta-PCBs				1.1133	5.000	0.00	0.000			NO	20590		17.1	20590
230	4th Function Penta-PCBs				1.0512	5.000	0.00	0.000			NO	5158		3.84	5158
231	2nd Function Hexa-PCBs				0.7910	5.000	0.00	0.000			NO	13390		4.22	13390
232	4th Function Hexa-PCBs				0.9455	5.000	0.00	0.000			NO	27390		21.9	27390

#	Name	Prod RT	RT	wt Resp	int Resp	1+ Ratio (Prod)	RA	rvy	EMPC	Conc.
1	PCB-54	27.46	27.46	2.037e5	2.809e5	0.770	0.76	NO	1001.9	1001.9
2	PCB-50	28.88	28.87	1.569e5	2.117e5	0.770	0.74	NO	952.88	952.88
3	PCB-53	29.32	29.32	1.466e5	1.831e5	0.770	0.76	NO	806.47	806.47
4	PCB-51	29.89	29.87	1.834e5	2.189e5	0.770	0.75	NO	951.53	951.53
5	PCB-46	30.13	30.12	1.326e5	1.717e5	0.770	0.77	NO	849.53	849.53
6	PCB-48	30.83	30.82	1.244e5	1.849e5	0.770	0.75	NO	940.42	940.42
7	PCB-52/89	31.12	31.12	3.540e5	4.845e5	0.770	0.76	NO	1894.3	1894.3



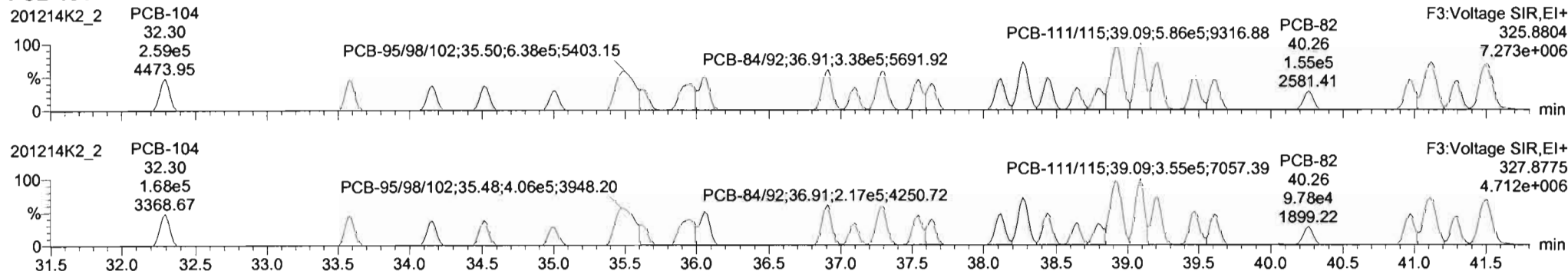
Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

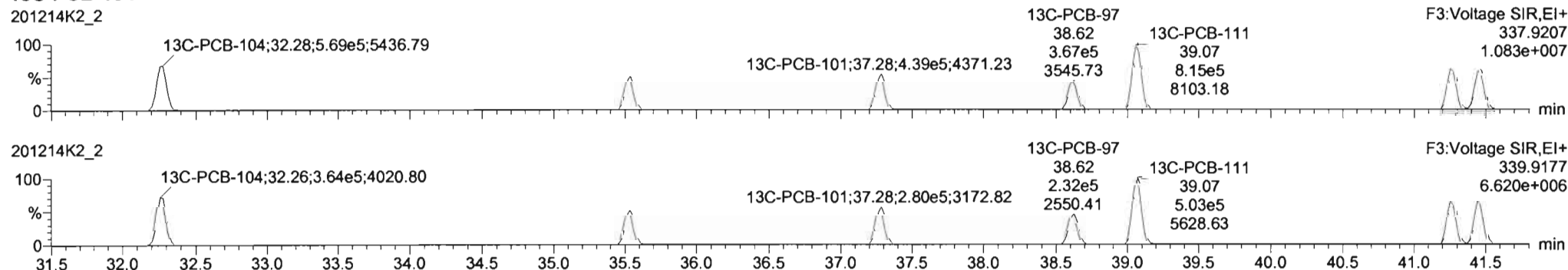
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

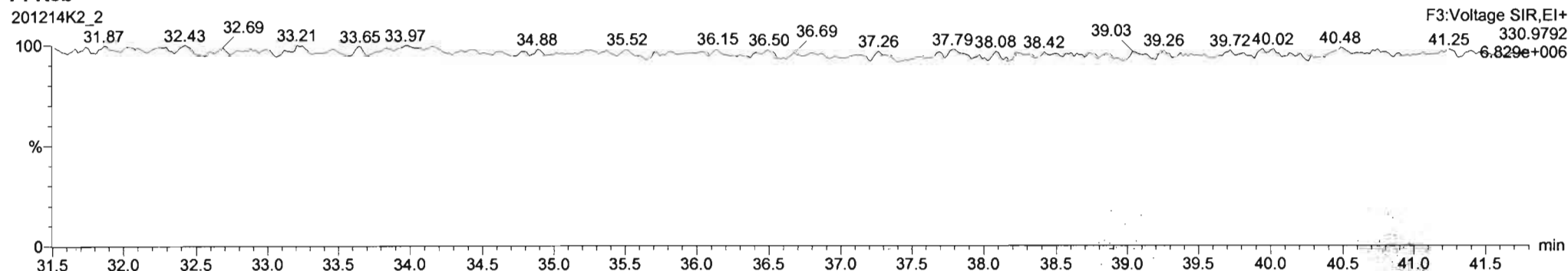
**PCB-104**



**13C-PCB-104**



**PFK3b**



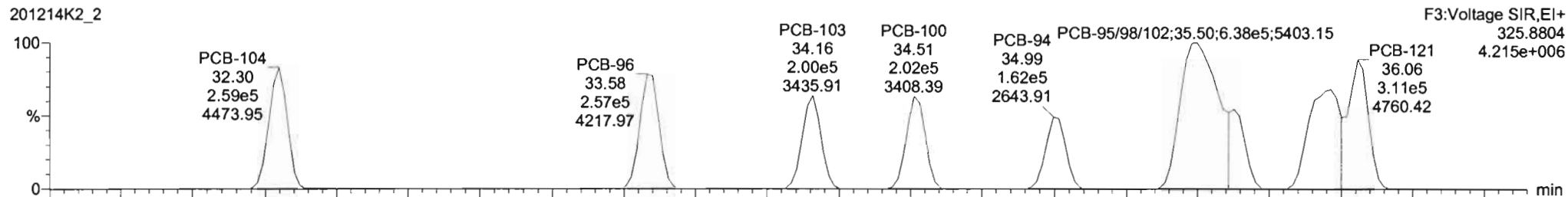
Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

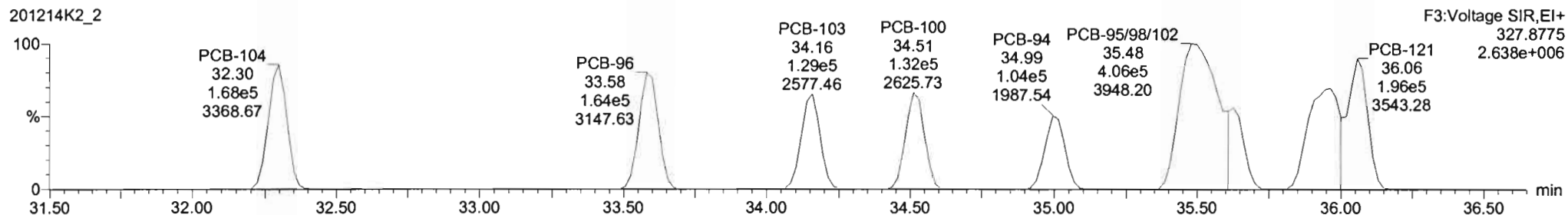
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-96**

201214K2\_2

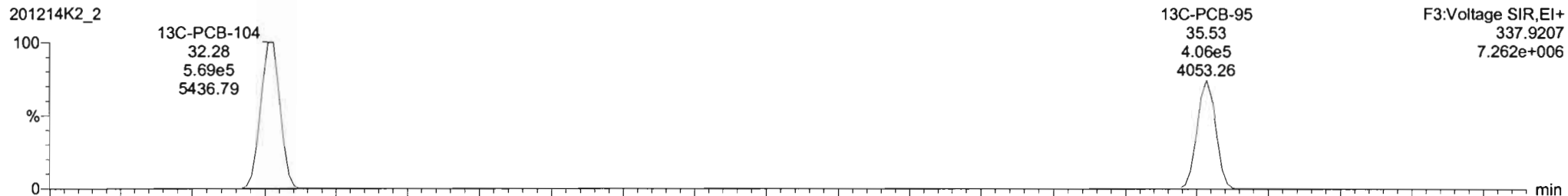


201214K2\_2

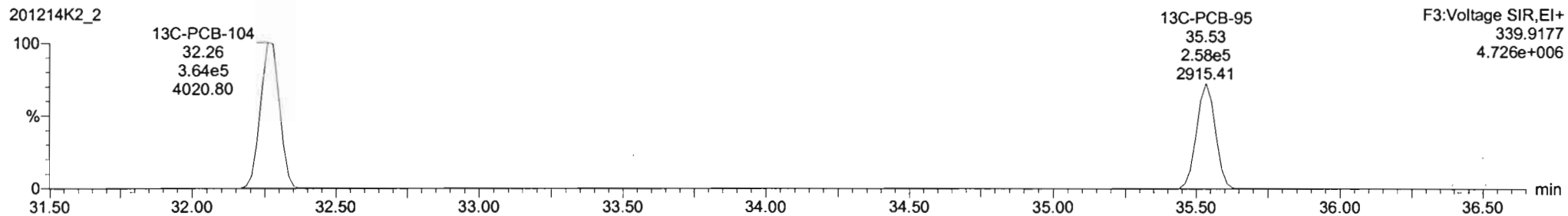


**13C-PCB-95**

201214K2\_2



201214K2\_2



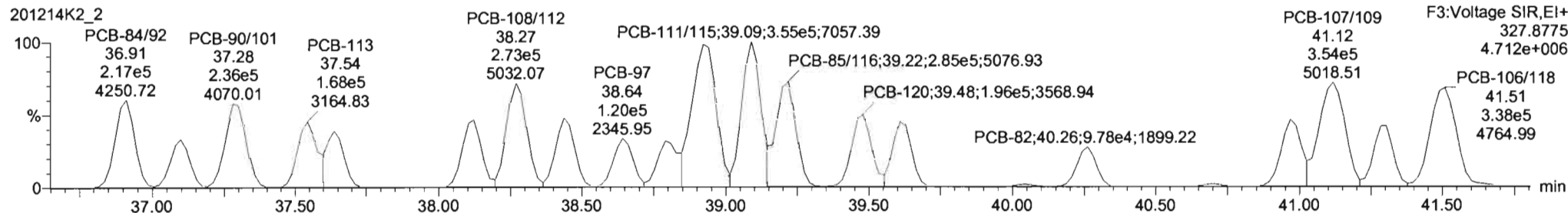
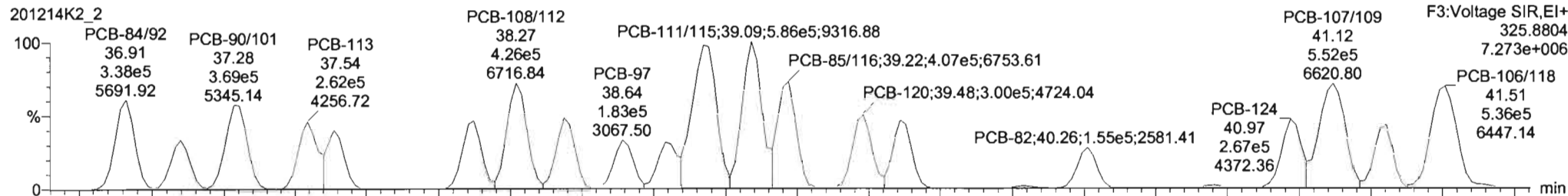
Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

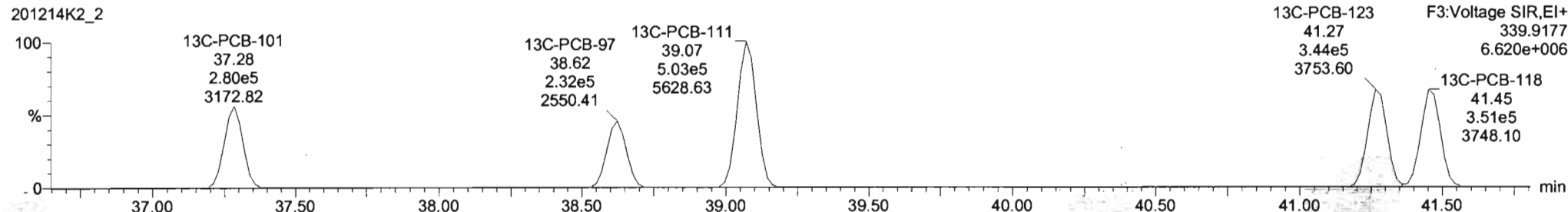
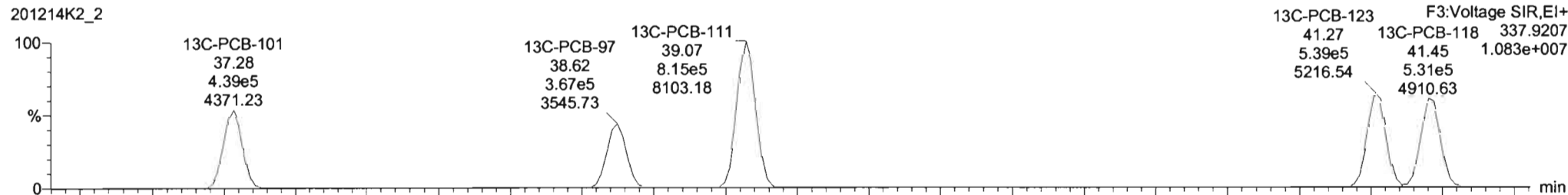
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

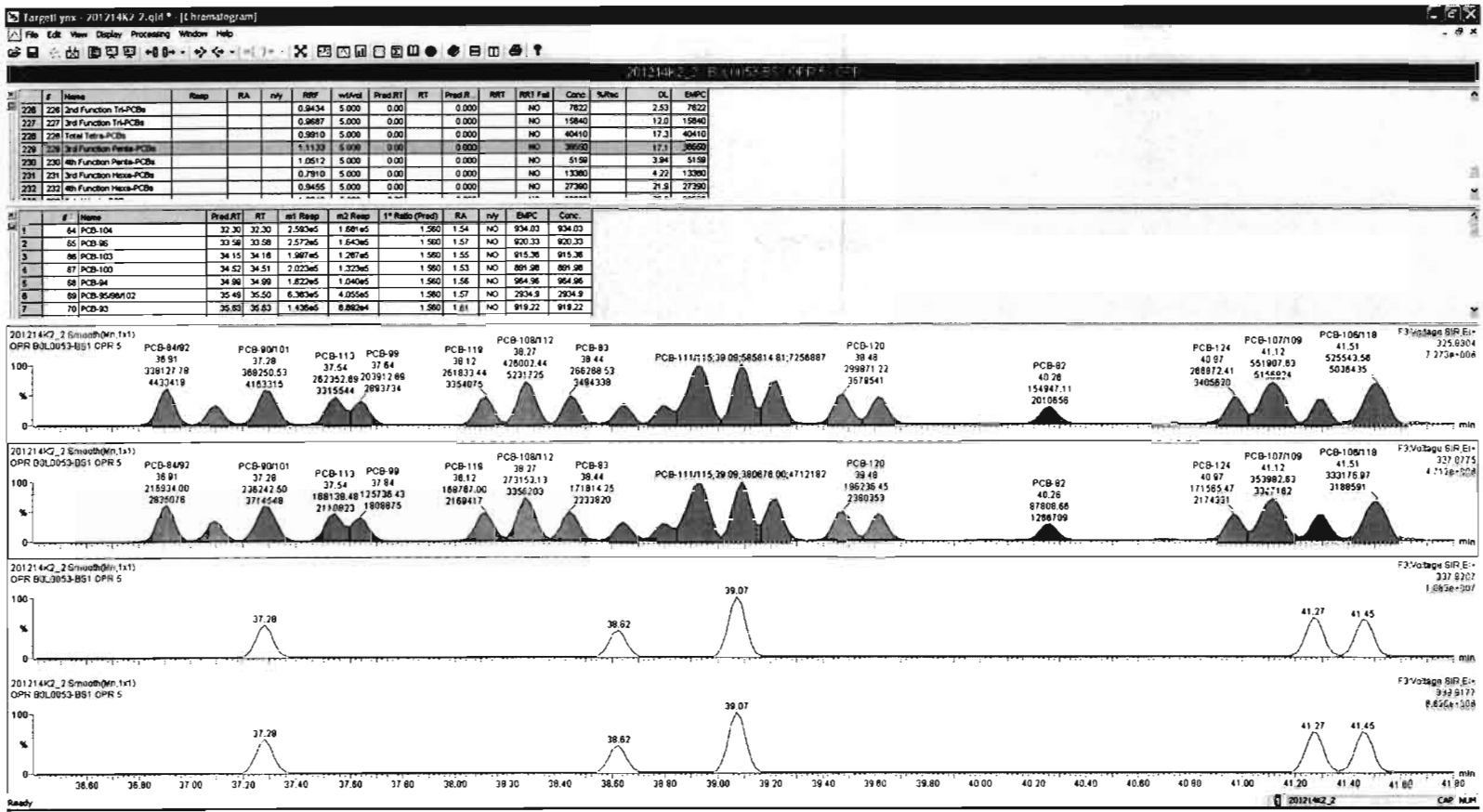
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-119**



**13C-PCB-111**





Dataset: Untitled

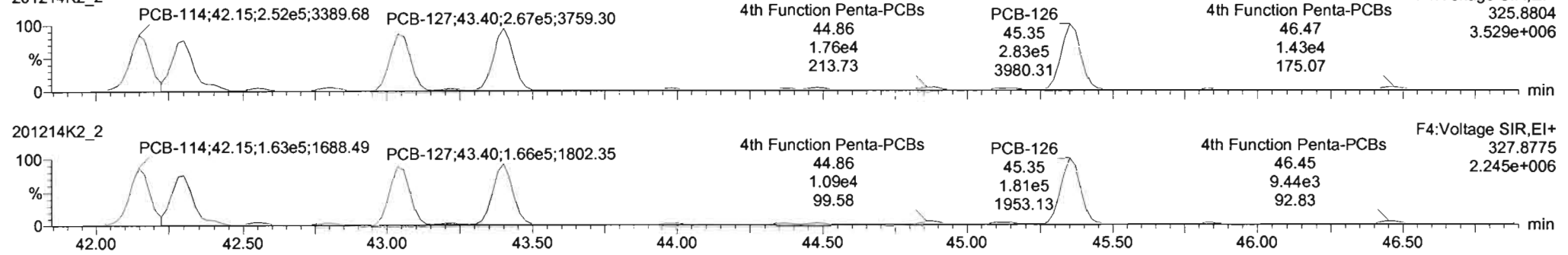
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

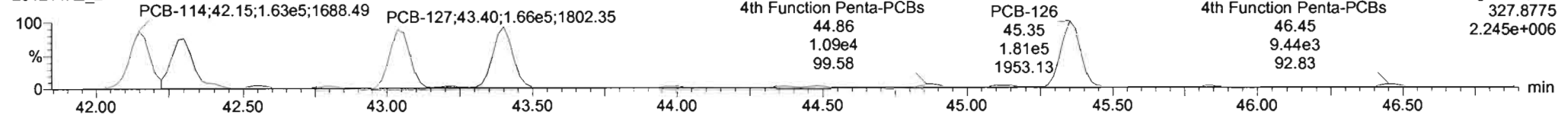
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-114**

201214K2\_2

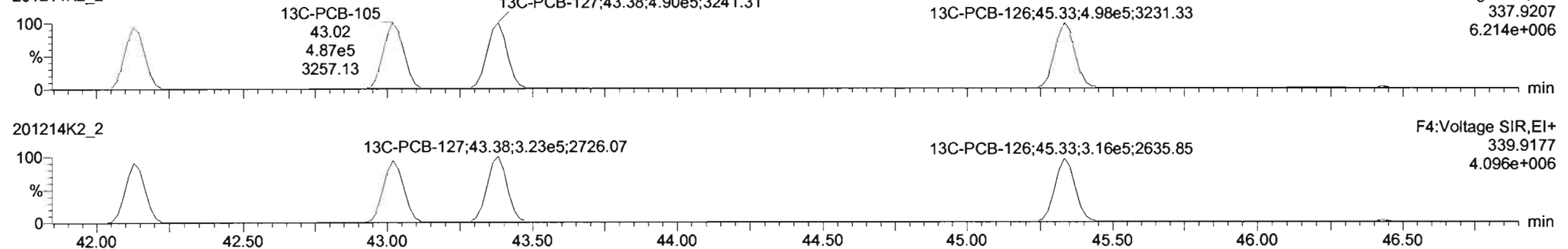


201214K2\_2

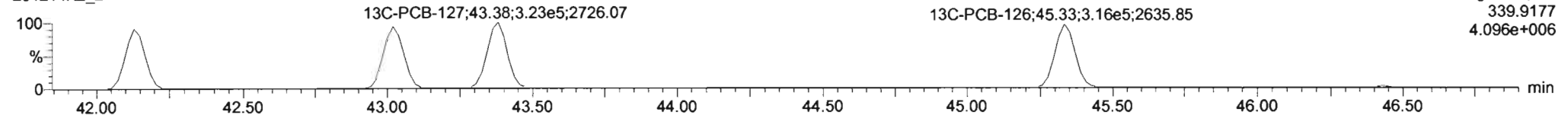


**13C-PCB-114**

201214K2\_2

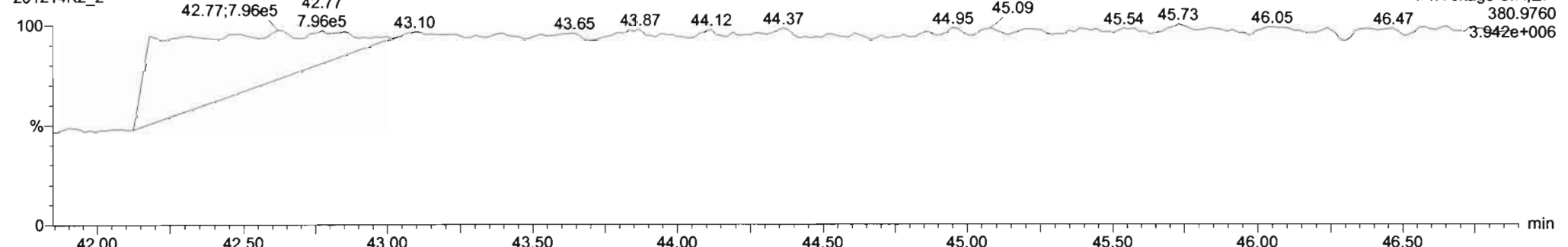


201214K2\_2



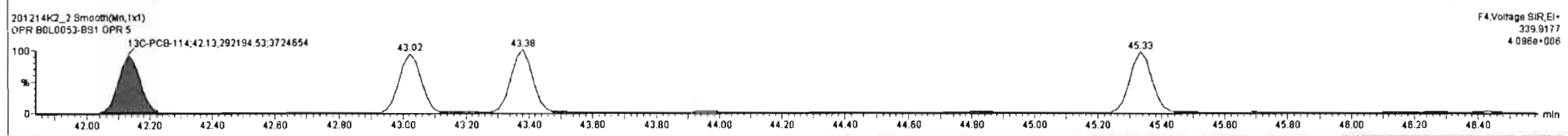
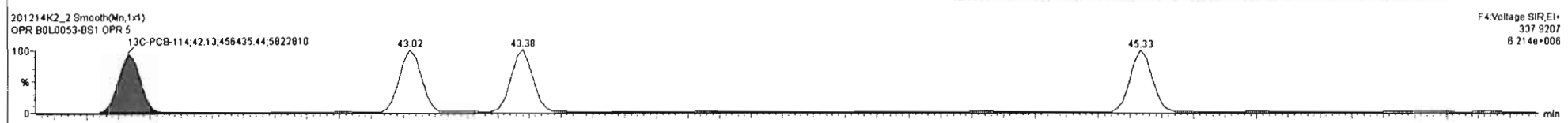
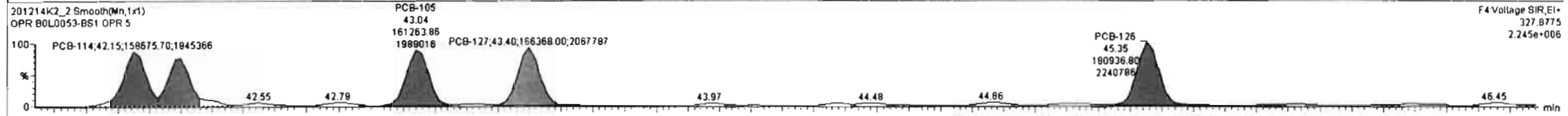
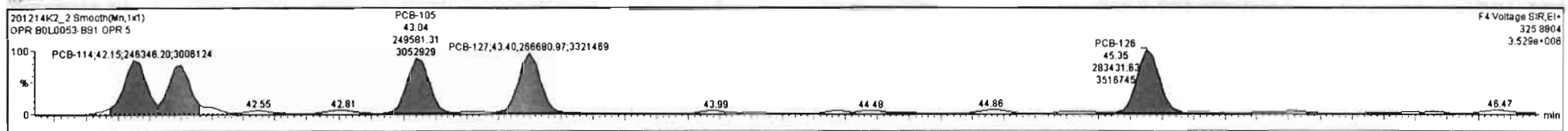
**PFK4a**

201214K2\_2



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				0.9434	5.000	0.00		0.000		NO	7622		2.53	7622
227	3rd Function Tri-PCBs				0.9687	5.000	0.00		0.000		NO	15840		12.0	15840
228	Total Tetra-PCBs				0.9910	5.000	0.00		0.000		NO	40410		17.3	40410
229	3rd Function Penta-PCBs				1.1133	5.000	0.00		0.000		NO	39550		17.1	39550
230	4th Function Penta-PCBs				1.0512	5.000	0.00		0.000		NO	5017		3.94	5017
231	3rd Function Hexa-PCBs				0.7910	5.000	0.00		0.000		NO	13390		4.22	13390
232	4th Function Hexa-PCBs				0.9455	5.000	0.00		0.000		NO	27390		21.9	27390

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.15	42.15	2.463e5	1.597e5	1.580	1.55	NO	998.25	998.25
2	94 PCB-122	42.30	42.30	2.164e5	1.367e5	1.580	1.58	NO	1014.0	1014.0
3	95 PCB-105	43.04	43.04	2.496e5	1.613e5	1.550	1.55	NO	1005.3	1005.3
4	96 PCB-127	43.40	43.40	2.867e5	1.684e5	1.560	1.60	NO	1008.2	1008.2
5	97 PCB-126	45.35	45.35	2.834e5	1.809e5	1.560	1.57	NO	991.63	991.63





Dataset: Untitled

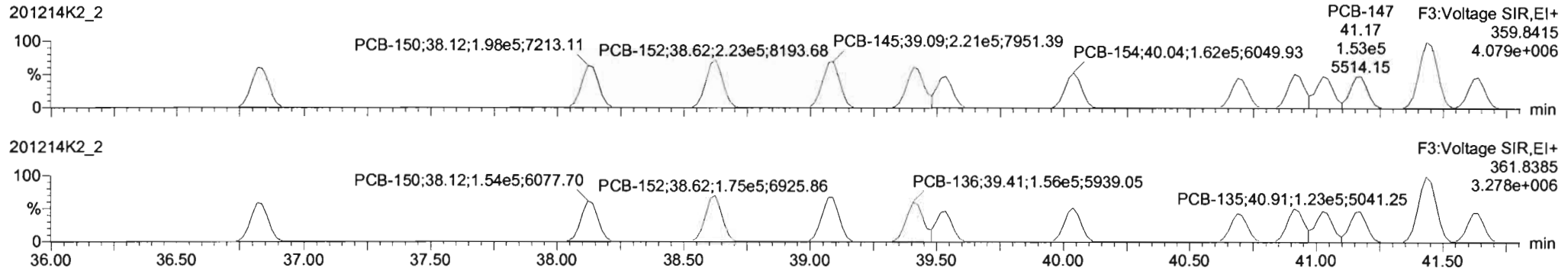
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

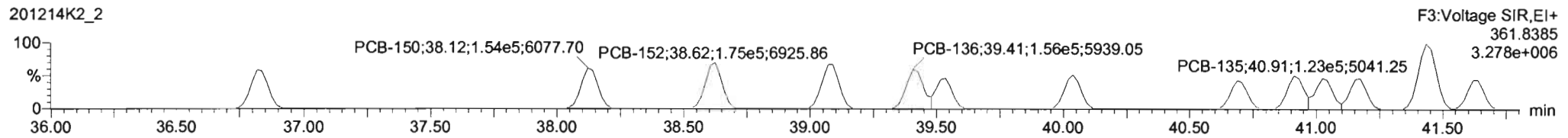
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-155**

201214K2\_2

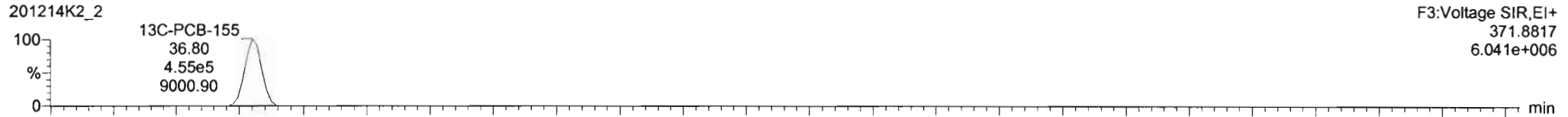


201214K2\_2

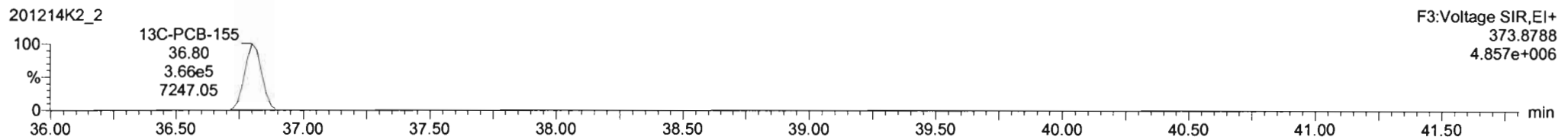


**13C-PCB-155**

201214K2\_2

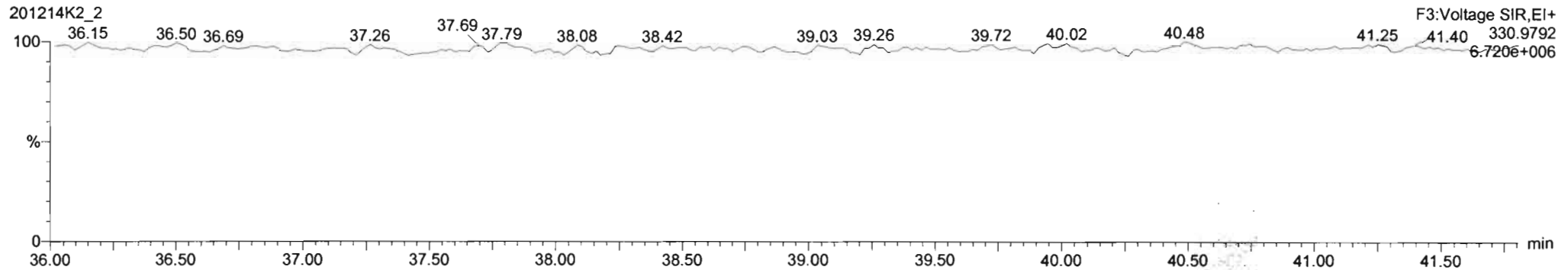


201214K2\_2



**PFK3c**

201214K2\_2



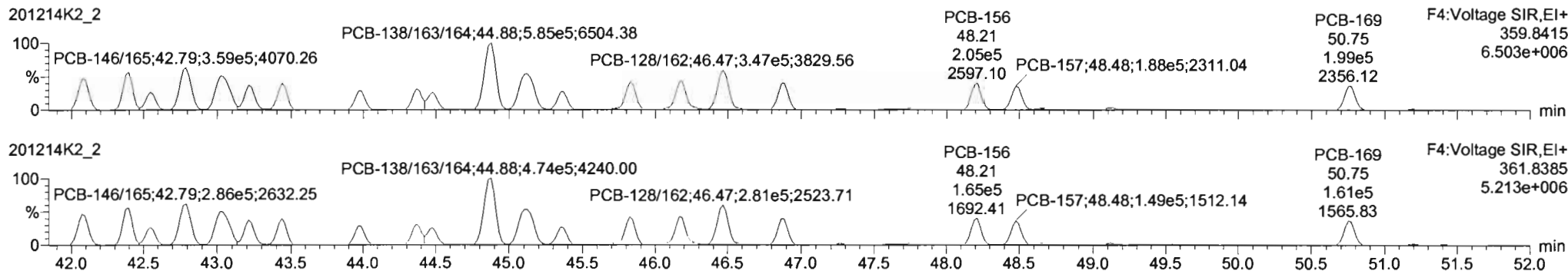
Dataset: Untitled

Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

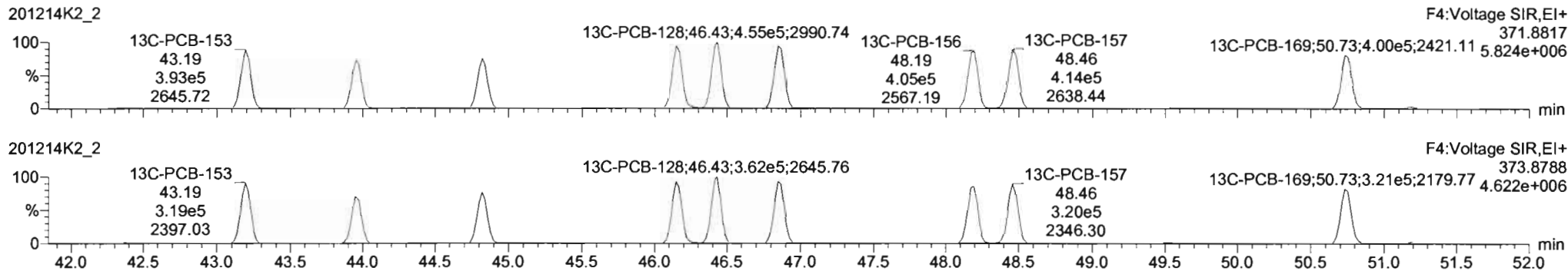
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

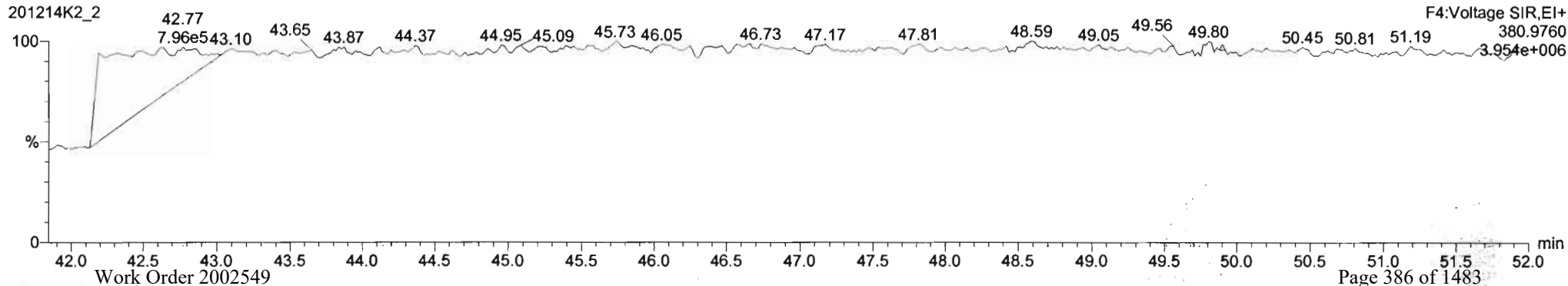
**PCB-134/143**

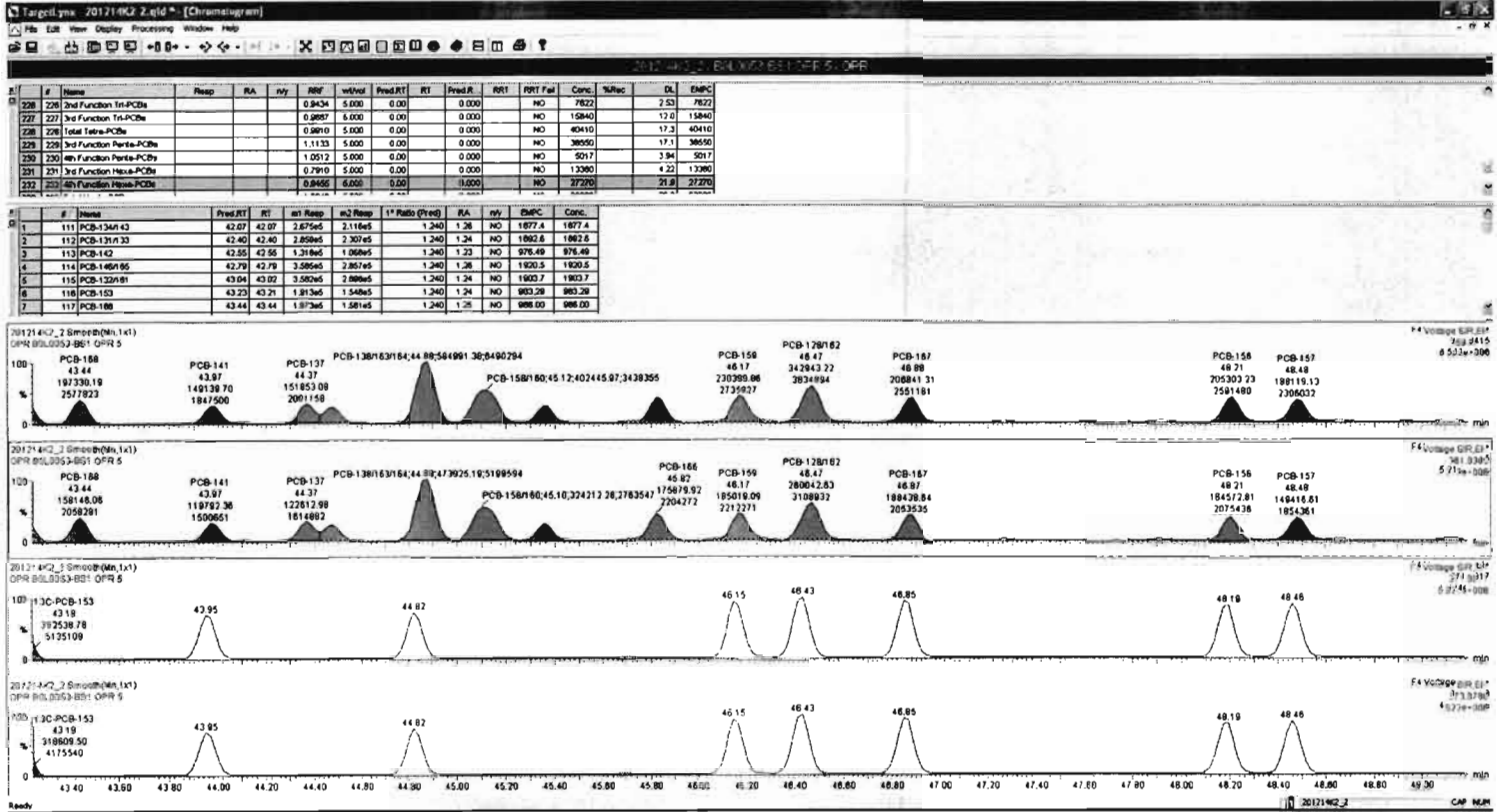


**13C-PCB-153**



**PFK4b**



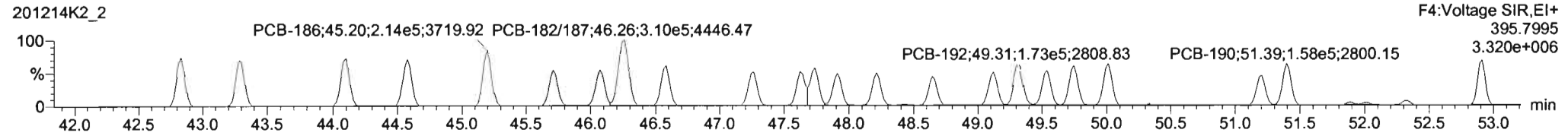
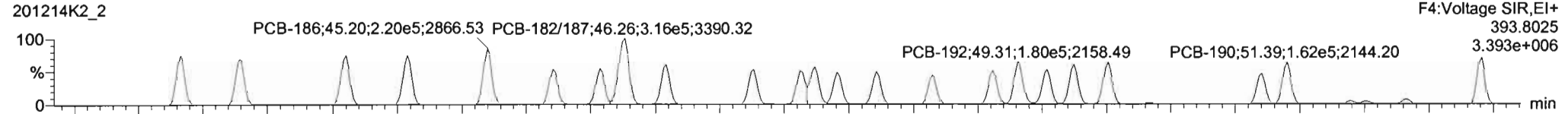


Dataset: Untitled

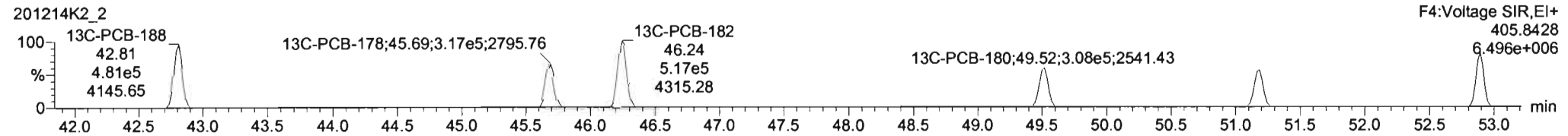
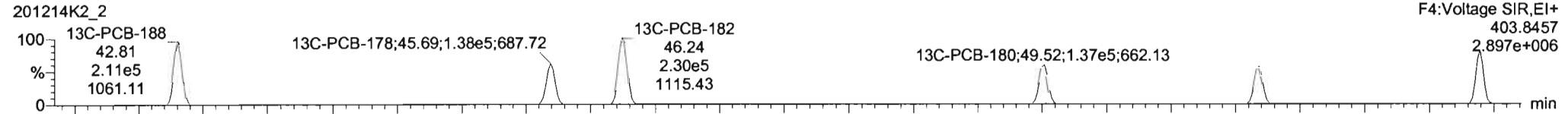
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

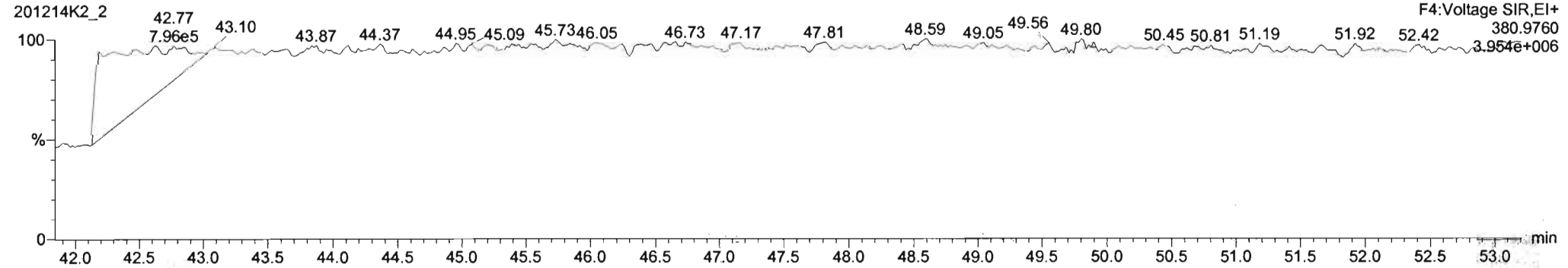
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

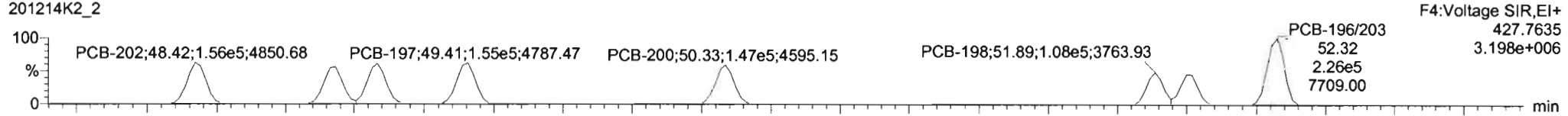
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

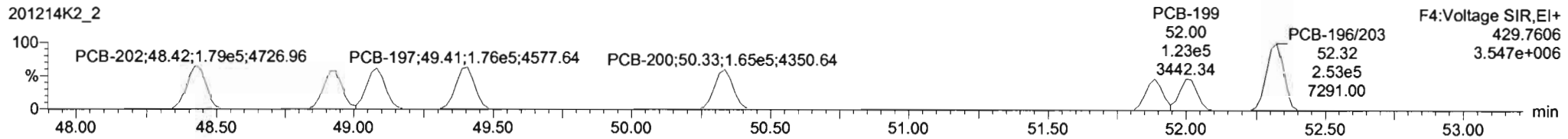
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-202**

201214K2\_2

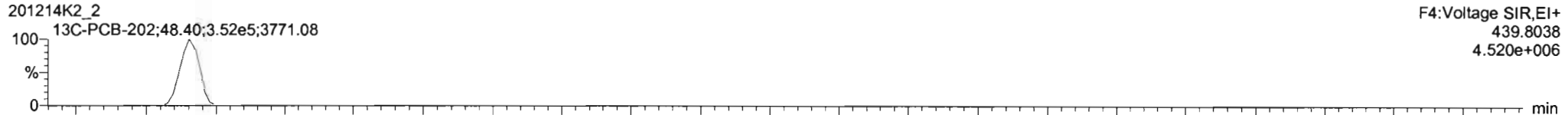


201214K2\_2

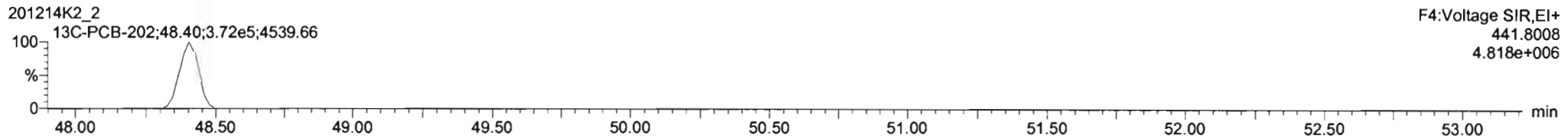


**13C-PCB-202**

201214K2\_2

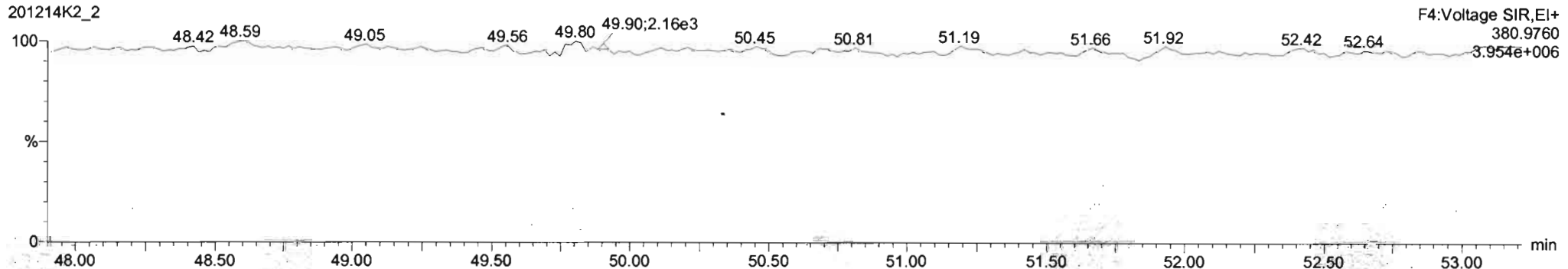


201214K2\_2



**PFK4d**

201214K2\_2



Dataset: Untitled

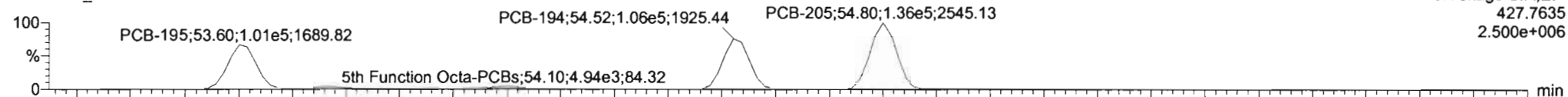
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

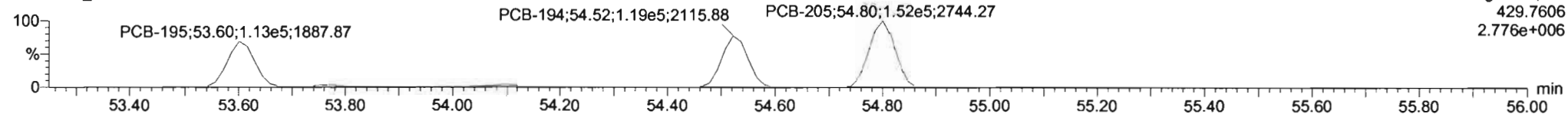
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-195**

201214K2\_2

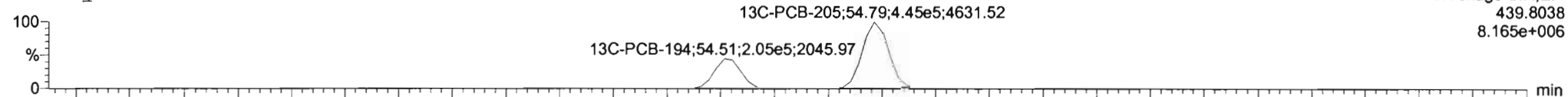


201214K2\_2

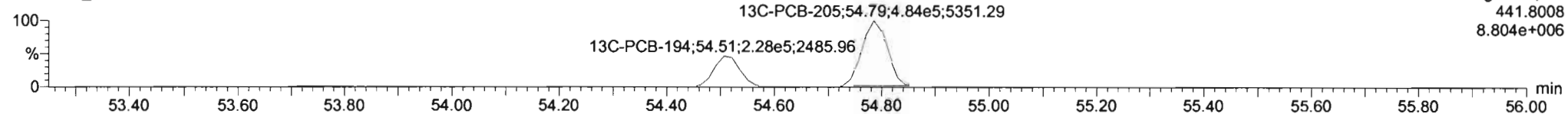


**13C-PCB-194**

201214K2\_2

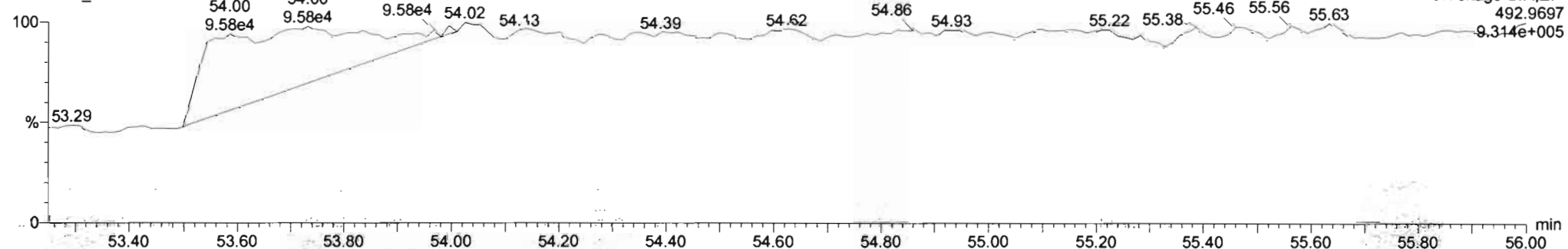


201214K2\_2



**PFK5a**

201214K2\_2



Dataset: Untitled

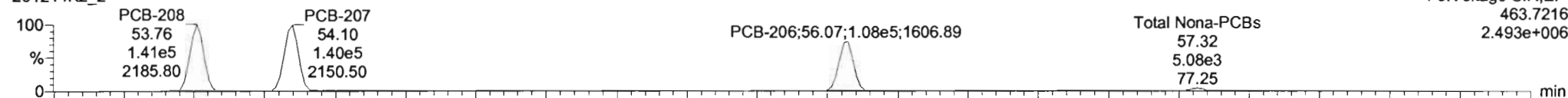
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

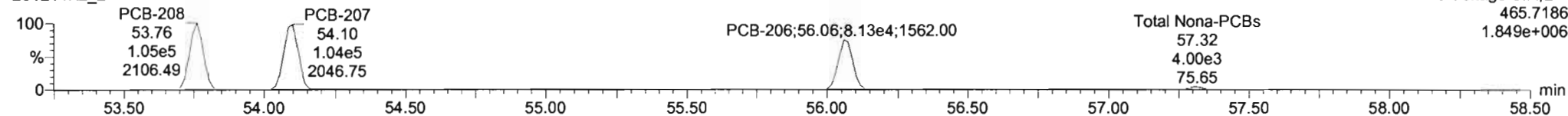
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-208**

201214K2\_2

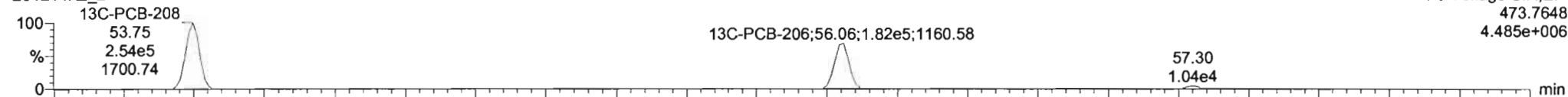


201214K2\_2

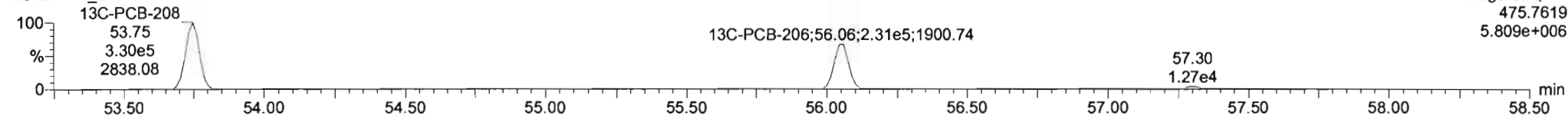


**13C-PCB-208**

201214K2\_2

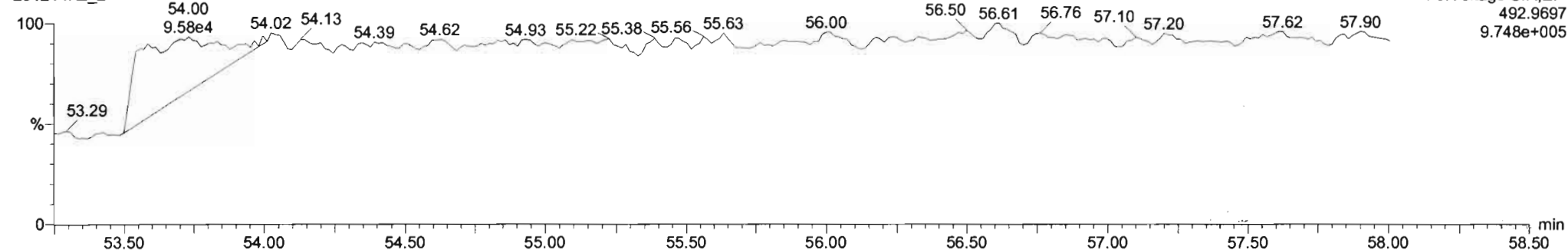


201214K2\_2



**PFK5**

201214K2\_2



Dataset: Untitled

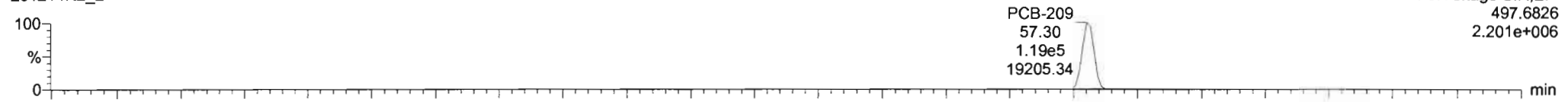
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

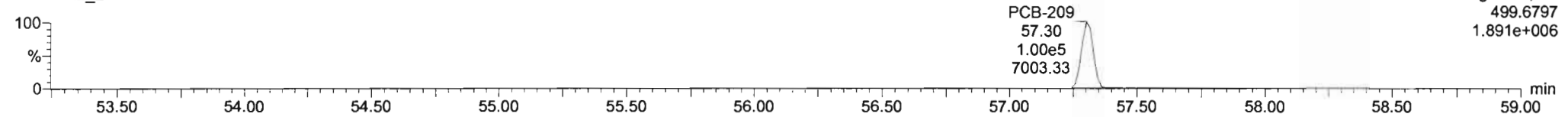
Name: 201214K2\_2, Date: 14-Dec-2020, Time: 15:19:19, ID: B0L0053-BS1 OPR 5, Description: OPR

**PCB-209**

201214K2\_2

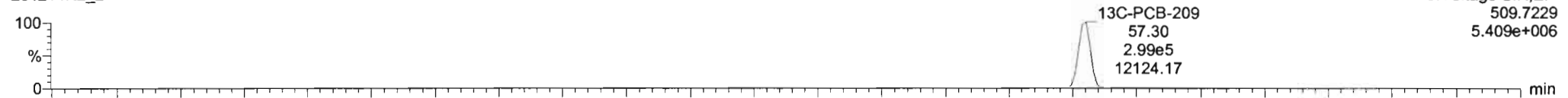


201214K2\_2

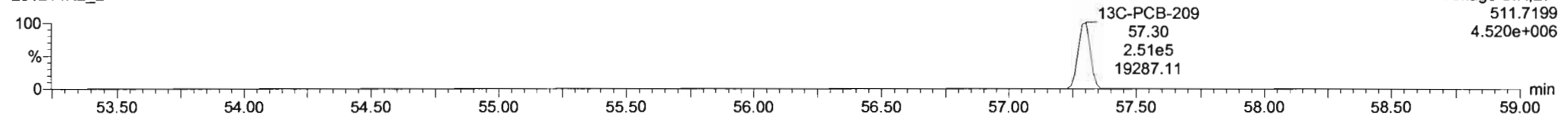


**13C-PCB-209**

201214K2\_2

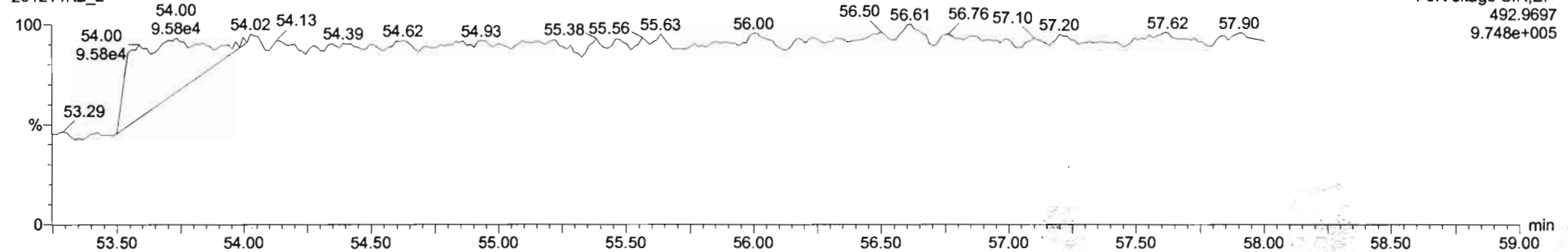


201214K2\_2



**PFK5b**

201214K2\_2





Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:45:47 Pacific Standard Time

*H 12-16-2020*  
*WJH*  
*12/17/20*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	7.32e3	3.31	NO	0.986	5.103	15.45	15.45	1.001	1.001	NO	7.214		0.281	7.214
2	2 PCB-2	1.25e4	2.98	NO	1.02	5.103	17.88	17.88	0.988	0.989	NO	10.43		0.180	10.43
3	3 PCB-3	7.72e3	3.09	NO	1.00	5.103	18.10	18.10	1.001	1.001	NO	6.562		0.184	6.562
4	4 PCB-4/10	2.06e4	1.47	NO	1.21	5.103	19.48	19.42	1.004	1.001	NO	27.05		1.44	27.05
5	5 PCB-7/9	5.82e3	1.30	YES	0.939	5.103	21.26	21.22	1.003	1.001	NO	5.860		1.14	5.435
6	6 PCB-6	1.24e4	1.37	NO	0.996	5.103	21.90	21.90	1.033	1.033	NO	11.78		1.08	11.78
7	7 PCB-5/8	5.24e4	1.55	NO	0.976	5.103	22.31	22.30	1.052	1.052	NO	50.77		1.10	50.77
8	8 PCB-14			NO	1.02	5.103	23.44		0.951		YES			1.09	
9	9 PCB-11	8.17e4	1.52	NO	1.12	5.103	24.66	24.66	1.001	1.001	NO	67.45		1.00	67.45
10	10 PCB-12/13	8.90e3	1.34	NO	1.02	5.103	25.09	25.03	1.018	1.016	NO	8.049		1.10	8.049
11	11 PCB-15	4.66e4	1.58	NO	1.02	5.103	25.37	25.37	1.030	1.030	NO	42.21		1.10	42.21
12	12 PCB-19	1.49e4	1.03	NO	0.972	5.103	23.64	23.63	1.001	1.001	NO	26.17		0.391	26.17
13	13 PCB-30			NO	1.54	5.103	24.55		1.040		YES			0.247	
14	14 PCB-18	4.85e4	1.06	NO	0.719	5.103	25.30	25.30	0.952	0.952	NO	77.24		0.344	77.24
15	15 PCB-17	2.42e4	0.99	NO	0.672	5.103	25.47	25.47	0.958	0.958	NO	41.31		0.368	41.31
16	16 PCB-24/27	6.91e3	1.05	NO	0.932	5.103	26.05	26.04	0.980	0.980	NO	8.489		0.265	8.489
17	17 PCB-16/32	3.64e4	1.06	NO	0.824	5.103	26.60	26.59	1.001	1.000	NO	50.51		0.300	50.51
18	18 PCB-34	1.32e3	1.58	YES	0.878	5.103	27.39	27.40	0.958	0.959	NO	1.664		0.420	1.317
19	19 PCB-23			NO	0.892	5.103	27.48		0.962		YES			0.413	
20	20 PCB-29	7.01e2	1.27	YES	0.861	5.103	27.74	27.74	0.971	0.971	NO	0.9016		0.428	0.8092
21	21 PCB-26	2.32e4	1.07	NO	0.915	5.103	27.97	27.98	0.979	0.979	NO	28.12		0.403	28.12
22	22 PCB-25	1.40e4	1.04	NO	0.915	5.103	28.13	28.15	0.984	0.985	NO	16.99		0.403	16.99
23	23 PCB-31	1.14e5	1.05	NO	1.03	5.103	28.49	28.50	0.997	0.997	NO	123.0		0.358	123.0
24	24 PCB-28	1.30e5	1.07	NO	1.01	5.103	28.59	28.61	1.001	1.001	NO	142.1		0.363	142.1
25	25 PCB-20/21/33	5.74e4	1.08	NO	0.913	5.103	29.23	29.26	1.023	1.024	NO	69.70		0.404	69.70
26	26 PCB-22	3.61e4	1.12	NO	0.948	5.103	29.67	29.69	1.038	1.039	NO	42.16		0.389	42.16
27	27 PCB-36			NO	1.07	5.103	30.35		0.932		YES			0.352	
28	28 PCB-39			NO	1.00	5.103	30.83		0.946		YES			0.374	
29	29 PCB-38	3.48e3	1.06	NO	1.05	5.103	31.62	31.63	0.970	0.971	NO	3.635		0.358	3.635
30	30 PCB-35	3.26e3	1.29	YES	1.05	5.103	32.16	32.17	0.987	0.987	NO	3.412		0.359	3.040
31	31 PCB-37	4.74e4	1.05	NO	1.03	5.103	32.60	32.59	1.001	1.001	NO	50.55		0.366	50.55

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

Printed: Wednesday, December 16, 2020 15:45:47 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	4.32e3	0.74	NO	0.974	5.103	27.44	27.44	1.001	1.001	NO	6.059		0.211	6.059
33	33 PCB-50	8.91e2	0.88	NO	0.803	5.103	28.64	28.65	1.044	1.045	NO	1.516		0.256	1.516
34	34 PCB-53	2.04e4	0.74	NO	0.939	5.103	29.30	29.32	0.943	0.944	NO	35.62		0.282	35.62
35	35 PCB-51	1.41e4	0.79	NO	1.00	5.103	29.66	29.67	0.955	0.955	NO	23.19		0.265	23.19
36	36 PCB-45	9.93e3	0.76	NO	0.802	5.103	30.11	30.10	0.969	0.969	NO	20.32		0.330	20.32
37	37 PCB-46	4.99e3	0.70	NO	0.770	5.103	30.61	30.62	0.985	0.986	NO	10.63		0.344	10.63
38	38 PCB-52/69	1.61e5	0.77	NO	1.08	5.103	31.11	31.11	1.001	1.001	NO	243.8		0.245	243.8
39	39 PCB-73	7.93e2	0.87	NO	1.31	5.103	31.22	31.24	1.005	1.005	NO	0.9967		0.203	0.9967
40	40 PCB-43/49	1.09e5	0.77	NO	0.925	5.103	31.39	31.42	1.010	1.011	NO	193.1		0.287	193.1
41	41 PCB-47	6.81e4	0.75	NO	0.863	5.103	31.63	31.63	1.001	1.001	NO	122.0		0.296	122.0
42	42 PCB-48/75	1.94e4	0.74	NO	1.04	5.103	31.76	31.76	1.005	1.005	NO	28.83		0.246	28.83
43	43 PCB-65			NO	1.16	5.103	32.04		1.014		YES			0.220	
44	44 PCB-62			NO	1.04	5.103	32.13		1.016		YES			0.246	
45	45 PCB-44	8.59e4	0.76	NO	0.757	5.103	32.46	32.44	1.027	1.026	NO	175.3		0.337	175.3
46	46 PCB-42/59	3.53e4	0.77	NO	0.975	5.103	32.69	32.67	1.034	1.034	NO	55.90		0.262	55.90
47	47 PCB-41/64/71/72	1.19e5	0.78	NO	1.12	5.103	33.29	33.28	1.053	1.053	NO	164.1		0.229	164.1
48	48 PCB-68	3.56e3	0.79	NO	1.19	5.103	33.56	33.54	1.062	1.061	NO	4.632		0.214	4.632
49	49 PCB-40	1.20e4	0.78	NO	0.572	5.103	33.79	33.75	1.069	1.068	NO	32.32		0.446	32.32
50	50 PCB-57	1.12e3	0.58	YES	1.08	5.103	34.12	34.12	0.969	0.969	NO	1.299		0.183	1.091
51	51 PCB-67	4.48e3	0.76	NO	1.02	5.103	34.43	34.46	0.978	0.978	NO	5.510		0.194	5.510
52	52 PCB-58	1.35e3	0.82	NO	1.08	5.103	34.55	34.57	0.981	0.982	NO	1.555		0.182	1.555
53	53 PCB-63	7.41e3	0.85	NO	0.971	5.103	34.72	34.73	0.986	0.986	NO	9.526		0.203	9.526
54	54 PCB-74	8.69e4	0.73	NO	1.09	5.103	35.02	35.01	0.994	0.994	NO	99.76		0.181	99.76
55	55 PCB-61/70	2.20e5	0.74	NO	0.978	5.103	35.24	35.24	1.000	1.001	NO	280.3		0.201	280.3
56	56 PCB-76/66	1.88e5	0.77	NO	1.07	5.103	35.41	35.46	1.005	1.007	NO	219.1		0.184	219.1
57	57 PCB-80			NO	1.08	5.103	35.69		1.001		YES			0.177	
58	58 PCB-55	3.12e3	0.75	NO	1.06	5.103	36.02	35.96	1.010	1.008	NO	3.500		0.179	3.500
59	59 PCB-56/60	9.80e4	0.77	NO	0.946	5.103	36.53	36.50	1.024	1.023	NO	123.8		0.202	123.8
60	60 PCB-79	5.64e3	0.80	NO	1.06	5.103	37.63	37.64	1.055	1.055	NO	6.365		0.180	6.365
61	61 PCB-78	1.29e3	1.07	YES	1.01	5.103	38.33	38.29	0.987	0.986	NO	1.573		0.207	1.342
62	62 PCB-81	1.49e3	0.71	NO	0.941	5.103	38.87	38.90	1.000	1.001	NO	1.945		0.221	1.945
63	63 PCB-77	2.21e4	0.78	NO	1.03	5.103	39.48	39.50	1.000	1.001	NO	26.82		0.206	26.82
64	64 PCB-104	8.74e2	1.15	YES	0.982	5.103	32.30	32.30	1.001	1.001	NO	1.202		0.205	1.053
65	65 PCB-96	3.53e3	1.64	NO	0.982	5.103	33.59	33.58	1.041	1.040	NO	4.848		0.205	4.848

Dataset: U:\WG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

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Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	6.77e3	1.65	NO	0.770	5.103	34.15	34.14	1.058	1.058	NO	11.88		0.262	11.88
67	67 PCB-100	7.18e3	1.55	NO	0.805	5.103	34.52	34.51	1.070	1.069	NO	12.06		0.251	12.06
68	68 PCB-94	2.27e3	1.55	NO	0.831	5.103	34.99	34.99	0.985	0.985	NO	4.831		0.343	4.831
69	69 PCB-95/98/102	1.85e5	1.54	NO	1.07	5.103	35.49	35.55	0.999	1.001	NO	305.4		0.266	305.4
70	70 PCB-93			NO	0.761	5.103	35.63		1.003		YES			0.374	
71	71 PCB-88/91	3.84e4	1.55	NO	0.910	5.103	35.96	35.96	1.012	1.012	NO	74.74		0.313	74.74
72	72 PCB-121			NO	1.46	5.103	36.07		1.015		YES			0.195	
73	73 PCB-84/92	9.90e4	1.55	NO	0.826	5.103	36.90	36.89	0.990	0.990	NO	188.8		0.304	188.8
74	74 PCB-89	1.89e3	1.63	NO	0.885	5.103	37.07	37.08	0.995	0.995	NO	3.367		0.283	3.367
75	75 PCB-90/101	2.87e5	1.56	NO	0.905	5.103	37.28	37.30	1.000	1.001	NO	499.2		0.277	499.2
76	76 PCB-113	1.18e3	0.69	YES	1.26	5.103	37.53	37.53	1.007	1.007	NO	1.473		0.199	0.9836
77	77 PCB-99	1.37e5	1.56	NO	0.993	5.103	37.62	37.64	1.010	1.010	NO	216.4		0.252	216.4
78	78 PCB-119	1.43e4	1.49	NO	1.53	5.103	38.10	38.10	0.987	0.987	NO	18.07		0.204	18.07
79	79 PCB-108/112	1.15e4	1.72	NO	1.25	5.103	38.26	38.29	0.991	0.992	NO	17.82		0.251	17.82
80	80 PCB-83			NO	1.56	5.103	38.42		0.995		YES			0.201	
81	81 PCB-97	6.49e4	1.53	NO	1.12	5.103	38.62	38.64	1.000	1.001	NO	111.9		0.278	111.9
82	82 PCB-86			NO	1.06	5.103	38.77		1.004		YES			0.295	
83	83 PCB-87/117/125	9.31e4	1.61	NO	1.34	5.103	38.91	38.92	1.008	1.008	NO	134.6		0.233	134.6
84	84 PCB-111/115	5.55e3	1.35	NO	1.62	5.103	39.07	39.09	1.012	1.013	NO	6.650		0.193	6.650
85	85 PCB-85/116	4.10e4	1.53	NO	1.23	5.103	39.20	39.20	1.015	1.015	NO	64.43		0.254	64.43
86	86 PCB-120	2.50e3	1.30	YES	1.79	5.103	39.46	39.48	1.022	1.023	NO	2.697		0.174	2.504
87	87 PCB-110	3.71e5	1.54	NO	1.50	5.103	39.61	39.61	1.026	1.026	NO	479.7		0.208	479.7
88	88 PCB-82	2.13e4	1.38	NO	0.638	5.103	40.27	40.24	0.976	0.975	NO	42.65		0.330	42.65
89	89 PCB-124	1.36e4	1.34	NO	1.08	5.103	40.98	40.95	0.993	0.992	NO	16.08		0.195	16.08
90	90 PCB-107/109	2.87e4	1.60	NO	1.11	5.103	41.12	41.14	0.996	0.997	NO	33.02		0.190	33.02
91	91 PCB-123	6.00e3	1.67	NO	1.00	5.103	41.29	41.28	1.000	1.000	NO	7.644		0.211	7.644
92	92 PCB-106/118	3.31e5	1.52	NO	1.02	5.103	41.49	41.47	1.001	1.000	NO	418.2		0.205	418.2
93	93 PCB-114	5.89e3	1.46	NO	1.08	5.103	42.15	42.13	1.000	1.000	NO	8.851		0.483	8.851
94	94 PCB-122	2.81e3	2.05	YES	0.930	5.103	42.30	42.28	1.004	1.004	NO	4.917		0.563	4.123
95	95 PCB-105	1.04e5	1.54	NO	1.03	5.103	43.04	43.04	1.000	1.000	NO	159.7		0.510	159.7
96	96 PCB-127			NO	1.06	5.103	43.38		1.000		YES			0.482	
97	97 PCB-126	2.19e3	1.27	YES	1.15	5.103	45.35	45.35	1.000	1.000	NO	3.166		0.495	2.910
98	98 PCB-155	3.96e2	1.52	YES	0.853	5.103	36.82	36.80	1.000	1.000	NO	0.6641		0.124	0.5906
99	99 PCB-150	2.04e3	1.32	NO	0.934	5.103	38.12	38.12	1.036	1.036	NO	3.123		0.113	3.123

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

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Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	1... PCB-152	6.24e2	1.59	YES	1.02	5.103	38.62	38.60	1.049	1.049	NO	0.8756		0.104	0.7581
101	1... PCB-145			NO	0.983	5.103	39.09		1.062		YES			0.108	
102	1... PCB-136	5.47e4	1.20	NO	0.881	5.103	39.40	39.40	1.071	1.071	NO	88.74		0.120	88.74
103	1... PCB-148	1.24e3	1.43	YES	0.666	5.103	39.53	39.52	1.074	1.074	NO	2.658		0.159	2.454
104	1... PCB-154	9.41e3	1.34	NO	0.721	5.103	40.03	40.04	1.088	1.088	NO	18.66		0.147	18.66
105	1... PCB-151	7.52e4	1.26	NO	0.674	5.103	40.70	40.69	1.106	1.106	NO	159.4		0.157	159.4
106	1... PCB-135	4.35e4	1.29	NO	0.723	5.103	40.93	40.91	1.112	1.112	NO	86.01		0.146	86.01
107	1... PCB-144	1.14e4	1.39	NO	0.691	5.103	41.02	41.02	1.115	1.115	NO	23.47		0.153	23.47
108	1... PCB-147	8.56e3	1.23	NO	0.713	5.103	41.16	41.15	1.119	1.118	NO	17.16		0.148	17.16
109	1... PCB-139/149	2.76e5	1.24	NO	0.773	5.103	41.44	41.41	1.126	1.125	NO	510.6		0.137	510.6
110	1... PCB-140	2.77e3	1.10	NO	0.652	5.103	41.64	41.62	1.131	1.131	NO	6.063		0.162	6.063
111	1... PCB-134/143	1.30e4	1.30	NO	0.718	5.103	42.07	42.09	0.974	0.975	NO	31.94		0.462	31.94
112	1... PCB-131/133	8.85e3	1.26	NO	0.768	5.103	42.40	42.38	0.982	0.981	NO	20.39		0.432	20.39
113	1... PCB-142			NO	0.687	5.103	42.55		0.985		YES			0.483	
114	1... PCB-146/165	6.49e4	1.27	NO	0.943	5.103	42.79	42.79	0.991	0.991	NO	121.6		0.352	121.6
115	1... PCB-132/161	8.35e4	1.21	NO	0.957	5.103	43.04	43.06	0.997	0.997	NO	154.3		0.347	154.3
116	1... PCB-153	3.72e5	1.24	NO	0.990	5.103	43.23	43.21	1.001	1.000	NO	663.8		0.335	663.8
117	1... PCB-168	7.26e2	1.18	NO	1.03	5.103	43.44	43.42	1.006	1.005	NO	1.240		0.321	1.240
118	1... PCB-141	5.33e4	1.22	NO	0.948	5.103	43.97	43.97	1.000	1.000	NO	119.8		0.416	119.8
119	1... PCB-137	1.09e4	1.36	NO	0.964	5.103	44.34	44.37	1.009	1.009	NO	24.06		0.409	24.06
120	1... PCB-130	1.80e4	1.36	NO	0.816	5.103	44.46	44.48	1.012	1.012	NO	47.02		0.483	47.02
121	1... PCB-138/163/164	3.83e5	1.21	NO	1.15	5.103	44.88	44.84	1.001	1.000	NO	657.9		0.327	657.9
122	1... PCB-158/160	3.58e4	1.28	NO	1.14	5.103	45.12	45.08	1.007	1.006	NO	62.43		0.331	62.43
123	1... PCB-129	8.58e3	1.09	NO	0.807	5.103	45.37	45.35	1.012	1.012	NO	21.08		0.468	21.08
124	1... PCB-166	1.22e3	1.17	NO	1.03	5.103	45.83	45.82	0.993	0.993	NO	1.940		0.309	1.940
125	1... PCB-159			NO	1.10	5.103	46.16		1.000		YES			0.291	
126	1... PCB-128/162	4.49e4	1.26	NO	0.836	5.103	46.46	46.45	1.007	1.007	NO	87.97		0.381	87.97
127	1... PCB-167	1.41e4	1.20	NO	0.960	5.103	46.87	46.87	1.000	1.000	NO	23.56		0.321	23.56
128	1... PCB-156	3.60e4	1.25	NO	1.06	5.103	48.21	48.21	1.000	1.000	NO	57.04		0.312	57.04
129	1... PCB-157	6.99e3	1.32	NO	0.960	5.103	48.48	48.48	1.000	1.000	NO	12.06		0.333	12.06
130	1... PCB-169			NO	1.04	5.103	50.77		1.000		YES			0.323	
131	1... PCB-188	4.76e2	3.16	YES	1.15	5.103	42.83	42.83	1.001	1.001	NO	0.7545		0.434	0.3721
132	1... PCB-184	7.38e2	1.48	YES	1.14	5.103	43.28	43.29	1.011	1.012	NO	1.180		0.438	0.9771
133	1... PCB-179	5.87e4	1.04	NO	1.07	5.103	44.08	44.08	1.030	1.030	NO	99.53		0.464	99.53

Dataset: U:\WG11.PRO\Results\201214K3\201214K3-11.qld

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Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	1... PCB-176	1.58e4	0.99	NO	1.11	5.103	44.55	44.57	1.041	1.042	NO	25.89		0.448	25.89
135	1... PCB-186			NO	1.23	5.103	45.18		1.056		YES			0.405	
136	1... PCB-178	2.22e4	1.00	NO	0.830	5.103	45.71	45.71	1.068	1.068	NO	48.78		0.601	48.78
137	1... PCB-175	3.57e3	1.17	NO	0.853	5.103	46.05	46.07	1.076	1.077	NO	7.623		0.585	7.623
138	1... PCB-182/187	1.39e5	1.04	NO	0.942	5.103	46.24	46.22	1.081	1.080	NO	268.4		0.530	268.4
139	1... PCB-183	5.67e4	1.03	NO	0.910	5.103	46.56	46.58	1.088	1.089	NO	113.4		0.548	113.4
140	1... PCB-185	1.03e4	0.91	NO	1.24	5.103	47.26	47.24	0.954	0.954	NO	21.69		0.600	21.69
141	1... PCB-174	9.44e4	1.05	NO	1.20	5.103	47.64	47.62	0.962	0.962	NO	205.5		0.620	205.5
142	1... PCB-181	1.43e3	1.10	NO	1.33	5.103	47.74	47.72	0.964	0.964	NO	2.813		0.559	2.813
143	1... PCB-177	5.48e4	1.04	NO	1.14	5.103	47.93	47.91	0.968	0.967	NO	125.3		0.651	125.3
144	1... PCB-171	2.42e4	1.03	NO	1.22	5.103	48.22	48.21	0.974	0.974	NO	51.82		0.610	51.82
145	1... PCB-173	2.20e3	1.08	NO	1.07	5.103	48.67	48.65	0.983	0.982	NO	5.365		0.696	5.365
146	1... PCB-172	1.52e4	1.05	NO	1.26	5.103	49.12	49.12	0.992	0.992	NO	31.62		0.591	31.62
147	1... PCB-192			NO	1.61	5.103	49.33		0.996		YES			0.460	
148	1... PCB-180	2.27e5	1.03	NO	1.30	5.103	49.54	49.54	1.000	1.000	NO	454.7		0.571	454.7
149	1... PCB-193	1.48e4	1.15	NO	1.47	5.103	49.74	49.75	1.004	1.005	NO	26.30		0.505	26.30
150	1... PCB-191	4.33e3	1.16	NO	1.51	5.103	50.01	50.01	1.010	1.010	NO	7.509		0.493	7.509
151	1... PCB-170	8.14e4	1.03	NO	1.23	5.103	51.21	51.21	1.000	1.000	NO	192.5		0.649	192.5
152	1... PCB-190	2.11e4	1.00	NO	1.61	5.103	51.42	51.39	1.005	1.004	NO	38.13		0.496	38.13
153	1... PCB-189	4.09e3	1.08	NO	1.27	5.103	52.91	52.91	1.000	1.000	NO	7.103		0.435	7.103
154	1... PCB-202	1.44e4	0.87	NO	0.995	5.103	48.44	48.42	1.001	1.000	NO	24.75		0.255	24.75
155	1... PCB-201	9.48e3	0.89	NO	0.904	5.103	48.91	48.93	1.010	1.011	NO	17.89		0.281	17.89
156	1... PCB-204			NO	0.955	5.103	49.06		1.014		YES			0.266	
157	1... PCB-197	2.70e3	0.77	NO	0.964	5.103	49.38	49.40	1.020	1.021	NO	4.773		0.263	4.773
158	1... PCB-200	8.20e3	0.78	NO	0.911	5.103	50.31	50.33	1.039	1.040	NO	15.35		0.278	15.35
159	1... PCB-198	2.50e3	0.88	NO	0.696	5.103	51.87	51.92	1.072	1.073	NO	6.120		0.365	6.120
160	1... PCB-199	4.90e4	0.87	NO	0.706	5.103	52.00	52.02	1.074	1.075	NO	118.3		0.359	118.3
161	1... PCB-196/203	5.68e4	0.94	NO	0.754	5.103	52.30	52.32	1.081	1.081	NO	128.4		0.336	128.4
162	1... PCB-195	1.45e4	0.88	NO	0.957	5.103	53.61	53.60	0.984	0.983	NO	43.33		0.545	43.33
163	1... PCB-194	3.79e4	0.88	NO	1.06	5.103	54.52	54.52	1.000	1.000	NO	101.7		0.492	101.7
164	1... PCB-205	2.27e3	0.88	NO	1.27	5.103	54.80	54.80	1.005	1.005	NO	5.097		0.411	5.097
165	1... PCB-208	9.21e3	1.35	NO	0.861	5.103	53.76	53.76	1.000	1.000	NO	22.99		0.260	22.99
166	1... PCB-207	3.95e3	1.39	NO	0.849	5.103	54.10	54.10	1.007	1.007	NO	9.989		0.263	9.989
167	1... PCB-206	2.09e4	1.41	NO	0.951	5.103	56.06	56.06	1.000	1.000	NO	72.87		0.362	72.87

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

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Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	1... PCB-209	3.09e4	1.11	NO	0.863	5.103	57.29	57.30	1.000	1.000	NO	95.50		0.142	95.50
169	1... 13C-PCB-1	2.02e6	2.81	NO	0.937	5.103	15.42	15.44	0.608	0.609	NO	1774	90.5	1.59	
170	1... 13C-PCB-3	2.30e6	2.98	NO	0.934	5.103	18.04	18.09	0.712	0.714	NO	2029	104	1.60	
171	1... 13C-PCB-4	1.24e6	1.60	NO	0.599	5.103	19.39	19.40	0.765	0.765	NO	1699	86.7	0.773	
172	1... 13C-PCB-9	2.07e6	1.57	NO	0.960	5.103	21.20	21.20	0.836	0.836	NO	1778	90.8	0.483	
173	1... 13C-PCB-11	2.13e6	1.57	NO	0.929	5.103	24.63	24.64	0.971	0.972	NO	1885	96.2	0.498	
174	1... 13C-PCB-19	1.14e6	1.03	NO	0.506	5.103	23.60	23.61	0.931	0.931	NO	1862	95.0	7.77	
175	1... 13C-PCB-32	1.71e6	1.01	NO	0.738	5.103	26.58	26.58	1.049	1.048	NO	1910	97.5	5.33	
176	1... 13C-PCB-28	1.77e6	1.04	NO	1.06	5.103	28.59	28.58	1.004	1.003	NO	1682	85.8	4.75	
177	1... 13C-PCB-37	1.79e6	1.05	NO	0.979	5.103	32.57	32.58	1.143	1.144	NO	1840	93.9	5.14	
178	1... 13C-PCB-54	1.43e6	0.77	NO	0.981	5.103	27.43	27.42	0.751	0.751	NO	1668	85.1	0.989	
179	1... 13C-PCB-52	1.19e6	0.78	NO	0.786	5.103	31.09	31.07	0.852	0.851	NO	1730	88.3	1.23	
180	1... 13C-PCB-47	1.27e6	0.77	NO	0.833	5.103	31.60	31.61	0.866	0.866	NO	1736	88.6	1.16	
181	1... 13C-PCB-70	1.57e6	0.79	NO	0.981	5.103	35.23	35.22	0.965	0.965	NO	1824	93.1	0.989	
182	1... 13C-PCB-80	1.64e6	0.77	NO	1.01	5.103	35.66	35.67	0.977	0.977	NO	1846	94.2	0.957	
183	1... 13C-PCB-81	1.60e6	0.79	NO	0.995	5.103	38.86	38.85	1.064	1.064	NO	1829	93.3	0.975	
184	1... 13C-PCB-77	1.57e6	0.79	NO	0.977	5.103	39.48	39.46	1.082	1.081	NO	1829	93.3	0.993	
185	1... 13C-PCB-104	1.45e6	1.56	NO	1.00	5.103	32.29	32.28	0.826	0.826	NO	1779	90.8	0.669	
186	1... 13C-PCB-95	1.11e6	1.53	NO	0.779	5.103	35.53	35.53	0.910	0.910	NO	1749	89.2	0.862	
187	1... 13C-PCB-101	1.24e6	1.58	NO	0.833	5.103	37.28	37.26	0.954	0.954	NO	1841	93.9	0.807	
188	1... 13C-PCB-97	1.01e6	1.59	NO	0.679	5.103	38.62	38.60	0.988	0.988	NO	1835	93.6	0.989	
189	1... 13C-PCB-123	1.54e6	1.56	NO	0.970	5.103	41.26	41.27	1.056	1.056	NO	1953	99.6	0.693	
190	1... 13C-PCB-118	1.52e6	1.58	NO	1.00	5.103	41.45	41.45	1.061	1.061	NO	1867	95.3	0.671	
191	1... 13C-PCB-114	1.20e6	1.59	NO	1.55	5.103	42.12	42.13	0.908	0.908	NO	1695	86.5	1.09	
192	1... 13C-PCB-105	1.23e6	1.57	NO	1.59	5.103	43.01	43.02	0.927	0.927	NO	1684	86.0	1.06	
193	1... 13C-PCB-127	1.30e6	1.59	NO	1.66	5.103	43.37	43.36	0.934	0.934	NO	1715	87.5	1.02	
194	1... 13C-PCB-126	1.18e6	1.58	NO	1.65	5.103	45.31	45.33	0.976	0.977	NO	1562	79.7	1.02	
195	1... 13C-PCB-155	1.37e6	1.29	NO	0.819	5.103	36.80	36.80	0.942	0.942	NO	2061	105	0.299	
196	1... 13C-PCB-153	1.11e6	1.27	NO	1.31	5.103	43.19	43.19	0.930	0.931	NO	1842	94.0	2.11	
197	1... 13C-PCB-141	9.21e5	1.28	NO	1.08	5.103	43.96	43.95	0.947	0.947	NO	1854	94.6	2.55	
198	1... 13C-PCB-138	9.89e5	1.25	NO	1.15	5.103	44.81	44.82	0.965	0.966	NO	1872	95.5	2.40	
199	1... 13C-PCB-159	1.19e6	1.26	NO	1.39	5.103	46.14	46.15	0.994	0.994	NO	1871	95.5	1.99	
200	2... 13C-PCB-167	1.22e6	1.26	NO	1.43	5.103	46.84	46.85	1.009	1.009	NO	1870	95.4	1.94	
201	2... 13C-PCB-156	1.17e6	1.27	NO	1.34	5.103	48.18	48.19	1.038	1.038	NO	1899	96.9	2.07	

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

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Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	2... 13C-PCB-157	1.18e6	1.31	NO	1.36	5.103	48.44	48.46	1.044	1.044	NO	1900	97.0	2.04	
203	2... 13C-PCB-169	1.17e6	1.24	NO	1.33	5.103	50.71	50.75	1.092	1.093	NO	1917	97.8	2.08	
204	2... 13C-PCB-188	1.08e6	0.44	NO	1.39	5.103	42.80	42.79	0.925	0.925	NO	1831	93.4	0.642	
205	2... 13C-PCB-180	7.51e5	0.45	NO	0.907	5.103	49.51	49.52	1.071	1.071	NO	1960	100	0.985	
206	2... 13C-PCB-170	6.73e5	0.45	NO	0.823	5.103	51.16	51.19	1.106	1.107	NO	1935	98.8	1.09	
207	2... 13C-PCB-189	8.86e5	0.44	NO	1.08	5.103	52.86	52.89	1.143	1.144	NO	1948	99.4	0.830	
208	2... 13C-PCB-202	1.15e6	0.88	NO	1.23	5.103	48.39	48.40	1.046	1.047	NO	2208	113	0.622	
209	2... 13C-PCB-194	6.87e5	0.91	NO	0.710	5.103	54.52	54.51	0.995	0.995	NO	2010	103	1.37	
210	2... 13C-PCB-208	9.13e5	0.79	NO	0.865	5.103	53.76	53.75	0.981	0.981	NO	2189	112	1.43	
211	2... 13C-PCB-206	5.92e5	0.80	NO	0.623	5.103	56.07	56.04	1.023	1.023	NO	1973	101	1.98	
212	2... 13C-PCB-209	7.35e5	1.18	NO	0.725	5.103	57.31	57.29	1.046	1.046	NO	2105	107	0.470	
213	2... 13C-PCB-15	2.38e6	1.57	NO	1.00	5.103	25.39	25.35	1.000	0.000	NO	1960	100	0.463	
214	2... 13C-PCB-31	1.95e6	1.04	NO	1.00	5.103	28.52	28.48	1.000	0.000	NO	1960	100	5.03	
215	2... 13C-PCB-60	1.72e6	0.77	NO	1.00	5.103	36.54	36.50	1.000	0.000	NO	1960	100	0.970	
216	2... 13C-PCB-111	1.59e6	1.55	NO	1.00	5.103	39.11	39.07	1.000	0.000	NO	1960	100	0.672	
217	2... 13C-PCB-128	8.98e5	1.27	NO	1.00	5.103	46.47	46.41	1.000	0.000	NO	1960	100	2.77	
218	2... 13C-PCB-182	8.28e5	0.45	NO	1.00	5.103	46.30	46.24	0.000	0.000	NO	1960	100	0.893	
219	2... 13C-PCB-205	9.44e5	0.91	NO	1.00	5.103	54.81	54.78	1.000	0.000	NO	1960	100	0.972	
220	2... 13C-PCB-79	1.62e6	0.78	NO	1.04	5.103	37.60	37.60	1.030	1.030	NO	1787	91.2	0.936	
221	2... 13C-PCB-178	6.81e5	0.45	NO	0.774	5.103	45.68	45.69	0.988	0.988	NO	1920	98.0	1.11	
222	2... 13C-PCB-79	1.62e6	0.78	NO	1.04	5.103	37.60	37.60	0.968	0.968	NO	1914	97.7	1.05	
223	2... 13C-PCB-178	6.81e5	0.45	NO	1.02	5.103	45.69	45.69	0.923	0.923	NO	1745	89.0	0.977	
224	2... Total Mono-PCBs				1.00	5.103	0.00		0.000		NO	24.20		0.645	24.20
225	2... Total Di-PCBs				1.04	5.103	0.00		0.000		NO	207.3		9.04	212.7
226	2... 2nd Function Tri-PCBs				0.943	5.103	0.00		0.000		NO	203.7		1.92	203.7
227	2... 3rd Function Tri-PCBs				0.969	5.103	0.00		0.000		NO	476.2		5.39	481.4
228	2... Total Tetra-PCBs				0.991	5.103	0.00		0.000		NO	1896		7.62	1899
229	2... 3rd Function Penta-PCBs				1.11	5.103	0.00		0.000		NO	2672		7.15	2677
230	2... 4th Function Penta-PCBs				1.05	5.103	0.00		0.000		NO	168.5		2.53	175.6
231	2... 3rd Function Hexa-PCBs				0.791	5.103	0.00		0.000		NO	913.2		7.78	917.0
232	2... 4th Function Hexa-PCBs				0.946	5.103	0.00		0.000		NO	2108		7.44	2108
233	2... Total Hepta-PCBs				1.20	5.103	0.00		0.000		NO	1734		12.4	1735
234	2... 4th Function Octa-PCBs				0.860	5.103	0.00		0.000		NO	315.6		2.40	315.6
235	2... 5th Function Octa-PCBs				1.10	5.103	0.00		0.000		NO	150.2		1.45	150.2

Handwritten notes and corrections:

- 226: 203.7 → 679.9
- 229: 2672 → 2840.5
- 231: 913.2 → 3021.2
- 234: 315.6 → 465.8
- 225: 9.04 → 685.1
- 227: 5.39 → 2852.6
- 231: 7.78 → 3025
- 234: 2.40 → 465.8
- 235: 1.45 → 465.8

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

Printed: Wednesday, December 16, 2020 15:45:47 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	2... Total Nona-PCBs				0.887	5.103	0.00		0.000		NO	105.8		0.885	105.8
237	2... Deca-CB				0.863	5.103	0.00		0.000		NO	95.50		0.142	95.50
238	2... Total PCBs														



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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

Printed: Wednesday, December 16, 2020 15:47:25 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

## Total Mono-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.45	15.45	7.297e4	2.387e4	5.623e3	1.698e3	3.31	NO	7.321e3	7.2143	7.2143	0.281
2	PCB-2	17.88	17.88	1.673e5	5.351e4	9.361e3	3.145e3	2.98	NO	1.251e4	10.426	10.426	0.180
3	PCB-3	18.10	18.10	9.875e4	3.151e4	5.831e3	1.890e3	3.09	NO	7.720e3	6.5619	6.5619	0.184

## Total Di-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.48	19.42	1.936e5	1.253e5	1.227e4	8.326e3	1.47	NO	2.060e4	27.050	27.050	1.44
2	PCB-7/9	21.26	21.22	3.634e4	2.979e4	3.287e3	2.528e3	1.30	YES	5.816e3	0.00000	5.4351	1.14
3	PCB-6	21.90	21.90	1.122e5	8.028e4	7.170e3	5.236e3	1.37	NO	1.241e4	11.779	11.779	1.08
4	PCB-5/8	22.31	22.30	5.075e5	3.346e5	3.180e4	2.057e4	1.55	NO	5.237e4	50.771	50.771	1.10
5	PCB-11	24.66	24.66	7.777e5	5.023e5	4.920e4	3.246e4	1.52	NO	8.166e4	67.448	67.448	1.00
6	PCB-12/13	25.09	25.03	6.743e4	4.512e4	5.096e3	3.801e3	1.34	NO	8.897e3	8.0490	8.0490	1.10
7	PCB-15	25.37	25.37	4.321e5	2.797e5	2.848e4	1.808e4	1.58	NO	4.656e4	42.207	42.207	1.10

## 2nd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.64	23.63	1.174e5	1.068e5	7.550e3	7.313e3	1.03	NO	1.486e4	26.172	26.172	0.391
2	PCB-18	25.30	25.30	3.891e5	3.653e5	2.498e4	2.353e4	1.06	NO	4.851e4	77.241	77.241	0.344
3	PCB-17	25.47	25.47	1.853e5	1.854e5	1.206e4	1.217e4	0.99	NO	2.422e4	41.310	41.310	0.368
4	PCB-24/27	26.05	26.04	4.880e4	4.717e4	3.547e3	3.363e3	1.05	NO	6.910e3	8.4894	8.4894	0.265
5	PCB-16/32	26.60	26.59	1.819e5	1.736e5	1.871e4	1.764e4	1.06	NO	3.635e4	50.515	50.515	0.300

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time  
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ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.39	27.40	9.321e3	6.491e3	8.072e2	5.118e2	1.58	YES	1.319e3	0.00000	1.3174	0.420
2	PCB-29	27.74	27.74	4.557e3	4.668e3	3.927e2	3.085e2	1.27	YES	7.012e2	0.00000	0.80919	0.428
3	PCB-26	27.97	27.98	1.586e5	1.498e5	1.200e4	1.122e4	1.07	NO	2.323e4	28.121	28.121	0.403
4	PCB-25	28.13	28.15	8.958e4	8.729e4	7.176e3	6.869e3	1.04	NO	1.404e4	16.992	16.992	0.403
5	PCB-31	28.49	28.50	7.729e5	7.203e5	5.868e4	5.572e4	1.05	NO	1.144e5	122.96	122.96	0.358
6	PCB-28	28.59	28.61	9.016e5	8.298e5	6.731e4	6.286e4	1.07	NO	1.302e5	142.13	142.13	0.363
7	PCB-20/21/33	29.23	29.26	3.517e5	3.353e5	2.979e4	2.765e4	1.08	NO	5.745e4	69.700	69.700	0.404
8	PCB-22	29.67	29.69	2.493e5	2.193e5	1.907e4	1.701e4	1.12	NO	3.609e4	42.156	42.156	0.389
9	PCB-38	31.62	31.63	2.099e4	1.869e4	1.795e3	1.687e3	1.06	NO	3.482e3	3.6348	3.6348	0.358
10	PCB-35	32.16	32.17	2.615e4	1.871e4	1.835e3	1.423e3	1.29	YES	3.258e3	0.00000	3.0403	0.359
11	PCB-37	32.60	32.59	2.900e5	2.868e5	2.432e4	2.309e4	1.05	NO	4.740e4	50.549	50.549	0.366

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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

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ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

Total Tetra-PCBs

Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1 PCB-54	27.44	27.44	2.450e4	3.268e4	1.831e3	2.491e3	0.74	NO	4.322e3	6.0586	6.0586	0.211
2 PCB-50	28.64	28.65	4.892e3	5.853e3	4.161e2	4.746e2	0.88	NO	8.908e2	1.5155	1.5155	0.256
3 PCB-53	29.30	29.32	1.132e5	1.516e5	8.661e3	1.170e4	0.74	NO	2.036e4	35.615	35.615	0.282
4 PCB-51	29.66	29.67	8.268e4	1.053e5	6.227e3	7.889e3	0.79	NO	1.412e4	23.194	23.194	0.265
5 PCB-45	30.11	30.10	5.355e4	7.302e4	4.277e3	5.652e3	0.76	NO	9.929e3	20.320	20.320	0.330
6 PCB-46	30.61	30.62	2.359e4	3.813e4	2.047e3	2.942e3	0.70	NO	4.989e3	10.635	10.635	0.344
7 PCB-52/69	31.11	31.11	8.899e5	1.152e6	7.007e4	9.056e4	0.77	NO	1.606e5	243.78	243.78	0.245
8 PCB-73	31.22	31.24	7.334e3	8.333e3	3.686e2	4.241e2	0.87	NO	7.927e2	0.99667	0.99667	0.203
9 PCB-43/49	31.39	31.42	5.869e5	7.548e5	4.722e4	6.151e4	0.77	NO	1.087e5	193.06	193.06	0.287
10 PCB-47	31.63	31.63	3.565e5	4.615e5	2.921e4	3.886e4	0.75	NO	6.807e4	121.97	121.97	0.296
11 PCB-48/75	31.76	31.76	1.006e5	1.413e5	8.247e3	1.111e4	0.74	NO	1.936e4	28.832	28.832	0.246
12 PCB-44	32.46	32.44	4.871e5	6.442e5	3.710e4	4.883e4	0.76	NO	8.593e4	175.32	175.32	0.337
13 PCB-42/59	32.69	32.67	1.948e5	2.509e5	1.532e4	1.993e4	0.77	NO	3.525e4	55.904	55.904	0.262
14 PCB-41/64/71/72	33.29	33.28	6.122e5	7.725e5	5.200e4	6.651e4	0.78	NO	1.185e5	164.13	164.13	0.229
15 PCB-68	33.56	33.54	2.045e4	2.463e4	1.578e3	1.986e3	0.79	NO	3.563e3	4.6318	4.6318	0.214
16 PCB-40	33.79	33.75	6.615e4	8.784e4	5.230e3	6.741e3	0.78	NO	1.197e4	32.325	32.325	0.446
17 PCB-57	34.12	34.12	4.909e3	8.374e3	4.094e2	7.107e2	0.58	YES	1.120e3	0.00000	1.0915	0.183
18 PCB-67	34.43	34.46	2.576e4	3.171e4	1.936e3	2.548e3	0.76	NO	4.484e3	5.5100	5.5100	0.194
19 PCB-58	34.55	34.57	7.953e3	9.337e3	6.052e2	7.417e2	0.82	NO	1.347e3	1.5546	1.5546	0.182
20 PCB-63	34.72	34.73	4.033e4	4.969e4	3.403e3	4.002e3	0.85	NO	7.405e3	9.5258	9.5258	0.203
21 PCB-74	35.02	35.01	4.579e5	6.236e5	3.674e4	5.013e4	0.73	NO	8.687e4	99.756	99.756	0.181
22 PCB-61/70	35.24	35.24	1.181e6	1.621e6	9.321e4	1.263e5	0.74	NO	2.195e5	280.27	280.27	0.201
23 PCB-76/66	35.41	35.46	1.019e6	1.282e6	8.202e4	1.060e5	0.77	NO	1.880e5	219.14	219.14	0.184
24 PCB-55	36.02	35.96	1.250e4	1.972e4	1.335e3	1.785e3	0.75	NO	3.120e3	3.4998	3.4998	0.179
25 PCB-56/60	36.53	36.50	5.305e5	6.987e5	4.277e4	5.527e4	0.77	NO	9.805e4	123.82	123.82	0.202
26 PCB-79	37.63	37.64	2.874e4	3.863e4	2.514e3	3.130e3	0.80	NO	5.644e3	6.3650	6.3650	0.180
27 PCB-78	38.33	38.29	6.263e3	7.016e3	6.671e2	6.208e2	1.07	YES	1.288e3	0.00000	1.3418	0.207
28 PCB-81	38.87	38.90	1.946e4	2.959e4	6.166e2	8.726e2	0.71	NO	1.489e3	1.9449	1.9449	0.221
29 PCB-77	39.48	39.50	1.116e5	1.444e5	9.681e3	1.240e4	0.78	NO	2.208e4	26.824	26.824	0.206

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Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

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ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

## 3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.30	32.30	5.371e3	4.712e3	4.664e2	4.071e2	1.15	YES	8.735e2	0.00000	1.0532	0.205
2	PCB-96	33.59	33.58	2.921e4	1.528e4	2.192e3	1.334e3	1.64	NO	3.526e3	4.8479	4.8479	0.205
3	PCB-103	34.15	34.14	5.054e4	3.392e4	4.210e3	2.558e3	1.65	NO	6.768e3	11.879	11.879	0.262
4	PCB-100	34.52	34.51	5.585e4	3.568e4	4.370e3	2.813e3	1.55	NO	7.183e3	12.056	12.056	0.251
5	PCB-94	34.99	34.99	1.774e4	1.018e4	1.376e3	8.893e2	1.55	NO	2.265e3	4.8309	4.8309	0.343
6	PCB-95/98/102	35.49	35.55	1.389e6	8.923e5	1.119e5	7.266e4	1.54	NO	1.846e5	305.38	305.38	0.266
7	PCB-88/91	35.96	35.96	2.981e5	1.902e5	2.335e4	1.505e4	1.55	NO	3.840e4	74.736	74.736	0.313
8	PCB-84/92	36.90	36.89	7.614e5	4.908e5	6.017e4	3.888e4	1.55	NO	9.905e4	188.84	188.84	0.304
9	PCB-89	37.07	37.08	1.567e4	1.002e4	1.174e3	7.193e2	1.63	NO	1.893e3	3.3666	3.3666	0.283
10	PCB-90/101	37.28	37.30	2.100e6	1.325e6	1.750e5	1.119e5	1.56	NO	2.869e5	499.21	499.21	0.277
11	PCB-113	37.53	37.53	1.976e4	2.703e4	4.792e2	6.986e2	0.69	YES	1.178e3	0.00000	0.98362	0.199
12	PCB-99	37.62	37.64	1.028e6	6.629e5	8.330e4	5.324e4	1.56	NO	1.365e5	216.40	216.40	0.252
13	PCB-119	38.10	38.10	1.058e5	7.694e4	8.548e3	5.722e3	1.49	NO	1.427e4	18.069	18.069	0.204
14	PCB-108/112	38.26	38.29	9.116e4	5.182e4	7.245e3	4.212e3	1.72	NO	1.146e4	17.819	17.819	0.251
15	PCB-97	38.62	38.64	4.752e5	3.155e5	3.927e4	2.561e4	1.53	NO	6.488e4	111.88	111.88	0.278
16	PCB-87/117/125	38.91	38.92	6.910e5	4.335e5	5.744e4	3.562e4	1.61	NO	9.306e4	134.58	134.58	0.233
17	PCB-111/115	39.07	39.09	4.758e4	3.414e4	3.187e3	2.361e3	1.35	NO	5.548e3	6.6505	6.6505	0.193
18	PCB-85/116	39.20	39.20	3.009e5	1.978e5	2.479e4	1.617e4	1.53	NO	4.096e4	64.427	64.427	0.254
19	PCB-120	39.46	39.48	1.929e4	1.379e4	1.411e3	1.084e3	1.30	YES	2.495e3	0.00000	2.5038	0.174
20	PCB-110	39.61	39.61	2.783e6	1.797e6	2.250e5	1.462e5	1.54	NO	3.712e5	479.68	479.68	0.208
21	PCB-82	40.27	40.24	1.486e5	1.104e5	1.238e4	8.960e3	1.38	NO	2.134e4	42.650	42.650	0.330
22	PCB-124	40.98	40.95	8.115e4	5.702e4	7.805e3	5.808e3	1.34	NO	1.361e4	16.082	16.082	0.195
23	PCB-107/109	41.12	41.14	2.053e5	1.294e5	1.768e4	1.105e4	1.60	NO	2.873e4	33.025	33.025	0.190
24	PCB-123	41.29	41.28	4.904e4	2.671e4	3.755e3	2.248e3	1.67	NO	6.003e3	7.6443	7.6443	0.211
25	PCB-106/118	41.49	41.47	2.353e6	1.554e6	1.999e5	1.313e5	1.52	NO	3.311e5	418.19	418.19	0.205

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Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

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ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.15	42.13	3.789e4	2.673e4	3.491e3	2.395e3	1.46	NO	5.886e3	8.8508	8.8508	0.483
2	PCB-122	42.30	42.28	2.334e4	1.235e4	1.887e3	9.192e2	2.05	YES	2.806e3	0.00000	4.1229	0.563
3	PCB-105	43.04	43.04	7.450e5	4.719e5	6.281e4	4.078e4	1.54	NO	1.036e5	159.67	159.67	0.510
4	PCB-126	45.35	45.35	1.449e4	1.064e4	1.226e3	9.631e2	1.27	YES	2.190e3	0.00000	2.9104	0.495

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.82	36.80	3.103e3	1.790e3	2.389e2	1.573e2	1.52	YES	3.962e2	0.00000	0.59062	0.124
2	PCB-150	38.12	38.12	1.362e4	1.154e4	1.162e3	8.798e2	1.32	NO	2.042e3	3.1234	3.1234	0.113
3	PCB-152	38.62	38.60	5.557e3	3.223e3	3.827e2	2.411e2	1.59	YES	6.238e2	0.00000	0.75807	0.104
4	PCB-136	39.40	39.40	3.722e5	3.074e5	2.984e4	2.487e4	1.20	NO	5.470e4	88.738	88.738	0.120
5	PCB-148	39.53	39.52	1.204e4	8.829e3	7.282e2	5.107e2	1.43	YES	1.239e3	0.00000	2.4543	0.159
6	PCB-154	40.03	40.04	6.624e4	4.950e4	5.395e3	4.016e3	1.34	NO	9.411e3	18.663	18.663	0.147
7	PCB-151	40.70	40.69	5.268e5	4.125e5	4.188e4	3.332e4	1.26	NO	7.520e4	159.43	159.43	0.157
8	PCB-135	40.93	40.91	2.867e5	2.269e5	2.449e4	1.902e4	1.29	NO	4.351e4	86.008	86.008	0.146
9	PCB-144	41.02	41.02	9.045e4	6.613e4	6.604e3	4.750e3	1.39	NO	1.135e4	23.466	23.466	0.153
10	PCB-147	41.16	41.15	6.118e4	5.457e4	4.716e3	3.844e3	1.23	NO	8.560e3	17.163	17.163	0.148
11	PCB-139/149	41.44	41.41	1.913e6	1.536e6	1.531e5	1.231e5	1.24	NO	2.762e5	510.55	510.55	0.137
12	PCB-140	41.64	41.62	1.836e4	1.476e4	1.447e3	1.320e3	1.10	NO	2.767e3	6.0633	6.0633	0.162

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4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.07	42.09	8.794e4	6.525e4	7.326e3	5.639e3	1.30	NO	1.297e4	31.944	31.944	0.462
2	PCB-131/133	42.40	42.38	5.999e4	4.939e4	4.930e3	3.921e3	1.26	NO	8.851e3	20.389	20.389	0.432
3	PCB-146/165	42.79	42.79	4.471e5	3.468e5	3.630e4	2.858e4	1.27	NO	6.488e4	121.60	121.60	0.352
4	PCB-132/161	43.04	43.06	5.707e5	4.675e5	4.567e4	3.784e4	1.21	NO	8.351e4	154.29	154.29	0.347
5	PCB-153	43.23	43.21	2.503e6	2.001e6	2.058e5	1.659e5	1.24	NO	3.717e5	663.79	663.79	0.335
6	PCB-168	43.44	43.42	4.892e3	4.081e3	3.932e2	3.325e2	1.18	NO	7.257e2	1.2400	1.2400	0.321
7	PCB-141	43.97	43.97	3.524e5	2.934e5	2.933e4	2.402e4	1.22	NO	5.335e4	119.76	119.76	0.416
8	PCB-137	44.34	44.37	8.296e4	6.154e4	6.268e3	4.622e3	1.36	NO	1.089e4	24.059	24.059	0.409
9	PCB-130	44.46	44.48	1.179e5	8.732e4	1.038e4	7.655e3	1.36	NO	1.803e4	47.023	47.023	0.483
10	PCB-138/163/164	44.88	44.84	2.144e6	1.785e6	2.099e5	1.731e5	1.21	NO	3.830e5	657.90	657.90	0.327
11	PCB-158/160	45.12	45.08	2.457e5	1.862e5	2.015e4	1.569e4	1.28	NO	3.584e4	62.429	62.429	0.331
12	PCB-129	45.37	45.35	5.532e4	4.975e4	4.473e3	4.105e3	1.09	NO	8.578e3	21.079	21.079	0.468
13	PCB-166	45.83	45.82	8.223e3	7.385e3	6.564e2	5.634e2	1.17	NO	1.220e3	1.9397	1.9397	0.309
14	PCB-128/162	46.46	46.45	2.856e5	2.283e5	2.505e4	1.980e4	1.26	NO	4.485e4	87.971	87.971	0.381
15	PCB-167	46.87	46.87	8.831e4	7.343e4	7.709e3	6.405e3	1.20	NO	1.411e4	23.565	23.565	0.321
16	PCB-156	48.21	48.21	2.302e5	1.786e5	2.003e4	1.602e4	1.25	NO	3.604e4	57.041	57.041	0.312
17	PCB-157	48.48	48.48	4.480e4	3.509e4	3.977e3	3.013e3	1.32	NO	6.991e3	12.059	12.059	0.333

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Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	42.83	42.83	5.069e3	1.334e3	3.617e2	1.146e2	3.16	YES	4.763e2	0.00000	0.37206	0.434
2	PCB-184	43.28	43.29	5.607e3	3.549e3	4.402e2	2.983e2	1.48	YES	7.385e2	0.00000	0.97710	0.438
3	PCB-179	44.08	44.08	3.599e5	3.480e5	2.992e4	2.879e4	1.04	NO	5.872e4	99.531	99.531	0.464
4	PCB-176	44.55	44.57	9.727e4	9.154e4	7.875e3	7.945e3	0.99	NO	1.582e4	25.892	25.892	0.448
5	PCB-178	45.71	45.71	1.351e5	1.336e5	1.109e4	1.114e4	1.00	NO	2.223e4	48.779	48.779	0.601
6	PCB-175	46.05	46.07	2.174e4	2.174e4	1.923e3	1.646e3	1.17	NO	3.569e3	7.6227	7.6227	0.585
7	PCB-182/187	46.24	46.22	8.507e5	7.880e5	7.092e4	6.788e4	1.04	NO	1.388e5	268.42	268.42	0.530
8	PCB-183	46.56	46.58	3.396e5	3.193e5	2.874e4	2.792e4	1.03	NO	5.666e4	113.40	113.40	0.548
9	PCB-185	47.26	47.24	5.843e4	6.646e4	4.912e3	5.384e3	0.91	NO	1.030e4	21.687	21.687	0.600
10	PCB-174	47.64	47.62	5.603e5	5.405e5	4.838e4	4.600e4	1.05	NO	9.439e4	205.48	205.48	0.620
11	PCB-181	47.74	47.72	1.854e4	1.823e4	7.502e2	6.835e2	1.10	NO	1.434e3	2.8126	2.8126	0.559
12	PCB-177	47.93	47.91	3.300e5	3.188e5	2.799e4	2.682e4	1.04	NO	5.481e4	125.28	125.28	0.651
13	PCB-171	48.22	48.21	1.419e5	1.394e5	1.230e4	1.189e4	1.03	NO	2.419e4	51.821	51.821	0.610
14	PCB-173	48.67	48.65	1.324e4	1.135e4	1.139e3	1.057e3	1.08	NO	2.196e3	5.3646	5.3646	0.696
15	PCB-172	49.12	49.12	9.305e4	8.821e4	7.807e3	7.430e3	1.05	NO	1.524e4	31.618	31.618	0.591
16	PCB-180	49.54	49.54	1.376e6	1.328e6	1.151e5	1.117e5	1.03	NO	2.268e5	454.65	454.65	0.571
17	PCB-193	49.74	49.75	9.359e4	7.659e4	7.941e3	6.894e3	1.15	NO	1.483e4	26.298	26.298	0.505
18	PCB-191	50.01	50.01	2.629e4	2.208e4	2.331e3	2.004e3	1.16	NO	4.335e3	7.5087	7.5087	0.493
19	PCB-170	51.21	51.21	5.056e5	4.824e5	4.134e4	4.007e4	1.03	NO	8.141e4	192.54	192.54	0.649
20	PCB-190	51.42	51.39	1.225e5	1.255e5	1.056e4	1.052e4	1.00	NO	2.108e4	38.131	38.131	0.496
21	PCB-189	52.91	52.91	2.973e4	2.474e4	2.121e3	1.964e3	1.08	NO	4.086e3	7.1028	7.1028	0.435

4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.44	48.42	7.898e4	9.538e4	6.722e3	7.717e3	0.87	NO	1.444e4	24.750	24.750	0.255
2	PCB-201	48.91	48.93	5.387e4	6.092e4	4.459e3	5.026e3	0.89	NO	9.484e3	17.890	17.890	0.281
3	PCB-197	49.38	49.40	1.356e4	1.843e4	1.170e3	1.529e3	0.77	NO	2.699e3	4.7733	4.7733	0.263
4	PCB-200	50.31	50.33	4.165e4	5.486e4	3.597e3	4.608e3	0.78	NO	8.204e3	15.350	15.350	0.278
5	PCB-198	51.87	51.92	1.869e4	1.913e4	1.170e3	1.328e3	0.88	NO	2.497e3	6.1204	6.1204	0.365
6	PCB-199	52.00	52.02	2.994e5	3.456e5	2.273e4	2.626e4	0.87	NO	4.899e4	118.32	118.32	0.359
7	PCB-196/203	52.30	52.32	3.551e5	3.847e5	2.749e4	2.934e4	0.94	NO	5.683e4	128.43	128.43	0.336

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5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.61	53.60	1.066e5	1.238e5	6.830e3	7.719e3	0.88	NO	1.455e4	43.331	43.331	0.545
2	PCB-194	54.52	54.52	3.013e5	3.382e5	1.768e4	2.017e4	0.88	NO	3.785e4	101.74	101.74	0.492
3	PCB-205	54.80	54.80	1.631e4	1.717e4	1.064e3	1.205e3	0.88	NO	2.269e3	5.0973	5.0973	0.411

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.76	53.76	8.925e4	6.273e4	5.293e3	3.922e3	1.35	NO	9.215e3	22.988	22.988	0.260
2	PCB-207	54.10	54.10	3.506e4	2.651e4	2.295e3	1.656e3	1.39	NO	3.952e3	9.9887	9.9887	0.263
3	PCB-206	56.06	56.06	1.960e5	1.407e5	1.225e4	8.675e3	1.41	NO	2.093e4	72.867	72.867	0.362

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.29	57.30	2.898e5	2.548e5	1.626e4	1.463e4	1.11	NO	3.090e4	95.499	95.499	0.142

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.42	15.44	1.960e7	6.327e6	1.489e6	5.289e5	2.81	NO	2.017e6	1773.9		1.59
2	13C-PCB-3	18.04	18.09	2.984e7	9.184e6	1.722e6	5.780e5	2.98	NO	2.300e6	2029.5		1.60



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**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.39	19.40	1.304e7	8.192e6	7.602e5	4.757e5	1.60	NO	1.236e6	1699.1		0.773
2	13C-PCB-9	21.20	21.20	2.096e7	1.341e7	1.265e6	8.061e5	1.57	NO	2.072e6	1778.5		0.483
3	13C-PCB-11	24.63	24.64	2.012e7	1.290e7	1.299e6	8.271e5	1.57	NO	2.126e6	1885.1		0.498
4	13C-PCB-15	25.39	25.35	2.222e7	1.420e7	1.454e6	9.244e5	1.57	NO	2.378e6	1959.6		0.463

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.60	23.61	8.722e6	8.592e6	5.806e5	5.641e5	1.03	NO	1.145e6	1862.4		7.77
2	13C-PCB-32	26.58	26.58	1.329e7	1.290e7	8.593e5	8.513e5	1.01	NO	1.711e6	1909.9		5.33

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.48	1.289e7	1.241e7	9.912e5	9.544e5	1.04	NO	1.946e6	1959.6		5.03
2	13C-PCB-28	28.59	28.58	1.192e7	1.161e7	9.021e5	8.675e5	1.04	NO	1.770e6	1682.2		4.75
3	13C-PCB-37	32.57	32.58	1.176e7	1.122e7	9.171e5	8.708e5	1.05	NO	1.788e6	1839.8		5.14

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.43	27.42	8.346e6	1.079e7	6.263e5	8.084e5	0.77	NO	1.435e6	1667.8		0.989
2	13C-PCB-52	31.09	31.07	6.490e6	8.299e6	5.232e5	6.700e5	0.78	NO	1.193e6	1730.3		1.23
3	13C-PCB-47	31.60	31.61	6.687e6	8.801e6	5.511e5	7.169e5	0.77	NO	1.268e6	1736.5		1.16
4	13C-PCB-70	35.23	35.22	8.769e6	1.127e7	6.904e5	8.788e5	0.79	NO	1.569e6	1823.9		0.989
5	13C-PCB-80	35.66	35.67	8.980e6	1.170e7	7.161e5	9.247e5	0.77	NO	1.641e6	1845.9		0.957
6	13C-PCB-60	36.54	36.50	9.258e6	1.185e7	7.498e5	9.683e5	0.77	NO	1.718e6	1959.6		0.970
7	13C-PCB-79	37.60	37.60	8.673e6	1.114e7	7.096e5	9.133e5	0.78	NO	1.623e6	1786.9		0.936
8	13C-PCB-81	38.86	38.85	8.345e6	1.081e7	7.050e5	8.903e5	0.79	NO	1.595e6	1828.8		0.975
9	13C-PCB-77	39.48	39.46	8.186e6	1.029e7	6.924e5	8.743e5	0.79	NO	1.567e6	1829.2		0.993

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## 3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.28	1.174e7	7.489e6	8.842e5	5.666e5	1.56	NO	1.451e6	1779.1		0.669
2	13C-PCB-95	35.53	35.53	8.235e6	5.374e6	6.682e5	4.379e5	1.53	NO	1.106e6	1748.5		0.862
3	13C-PCB-101	37.28	37.26	9.499e6	6.010e6	7.629e5	4.817e5	1.58	NO	1.245e6	1840.8		0.807
4	13C-PCB-97	38.62	38.60	7.633e6	4.801e6	6.204e5	3.910e5	1.59	NO	1.011e6	1834.5		0.989
5	13C-PCB-111	39.11	39.07	1.186e7	7.696e6	9.672e5	6.238e5	1.55	NO	1.591e6	1959.6		0.672
6	13C-PCB-123	41.26	41.27	1.125e7	7.176e6	9.381e5	5.999e5	1.56	NO	1.538e6	1952.7		0.693
7	13C-PCB-118	41.45	41.45	1.138e7	7.126e6	9.301e5	5.875e5	1.58	NO	1.518e6	1867.4		0.671

## 4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.12	42.13	9.034e6	5.648e6	7.388e5	4.634e5	1.59	NO	1.202e6	1695.3		1.09
2	13C-PCB-105	43.01	43.02	8.909e6	5.707e6	7.500e5	4.789e5	1.57	NO	1.229e6	1684.3		1.06
3	13C-PCB-127	43.37	43.36	9.271e6	5.882e6	7.990e5	5.038e5	1.59	NO	1.303e6	1714.6		1.02
4	13C-PCB-126	45.31	45.33	8.293e6	5.198e6	7.219e5	4.556e5	1.58	NO	1.177e6	1561.8		1.02

## 4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.19	43.19	7.455e6	5.828e6	6.208e5	4.874e5	1.27	NO	1.108e6	1842.1		2.11
2	13C-PCB-141	43.96	43.95	6.282e6	4.906e6	5.163e5	4.042e5	1.28	NO	9.205e5	1853.6		2.55
3	13C-PCB-138	44.81	44.82	6.514e6	5.129e6	5.502e5	4.384e5	1.25	NO	9.886e5	1872.0		2.40
4	13C-PCB-159	46.14	46.15	7.720e6	6.136e6	6.663e5	5.287e5	1.26	NO	1.195e6	1870.9		1.99
5	13C-PCB-128	46.47	46.41	5.755e6	4.565e6	5.017e5	3.963e5	1.27	NO	8.980e5	1959.6		2.77
6	13C-PCB-167	46.84	46.85	7.981e6	6.357e6	6.815e5	5.406e5	1.26	NO	1.222e6	1870.0		1.94
7	13C-PCB-156	48.18	48.19	7.434e6	5.899e6	6.510e5	5.144e5	1.27	NO	1.165e6	1899.2		2.07
8	13C-PCB-157	48.44	48.46	7.835e6	6.043e6	6.703e5	5.132e5	1.31	NO	1.183e6	1900.3		2.04
9	13C-PCB-169	50.71	50.75	7.278e6	5.790e6	6.465e5	5.234e5	1.24	NO	1.170e6	1916.8		2.08

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-11.qld

Last Altered: Wednesday, December 16, 2020 15:45:04 Pacific Standard Time

Printed: Wednesday, December 16, 2020 15:47:25 Pacific Standard Time

ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

5th Function Octa-Isotopes

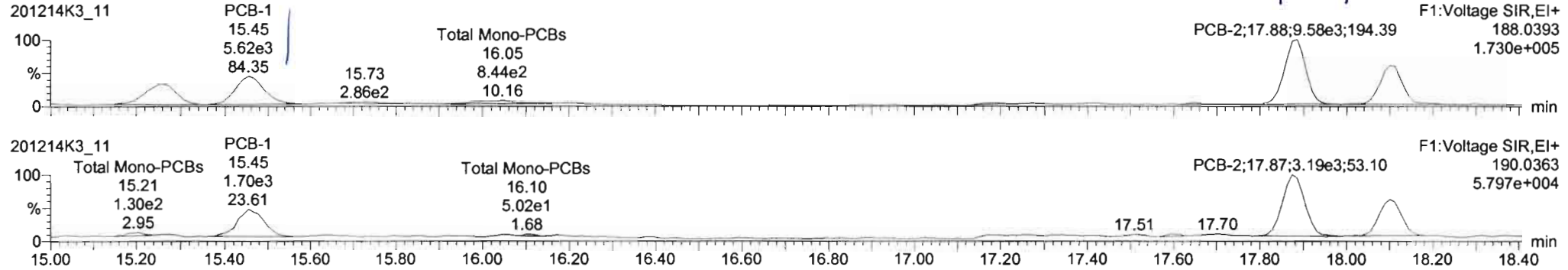
	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.52	54.51	5.563e6	6.135e6	3.276e5	3.597e5	0.91	NO	6.873e5	2009.5		1.37
2	13C-PCB-205	54.81	54.78	7.557e6	8.269e6	4.504e5	4.936e5	0.91	NO	9.440e5	1959.6		0.972

Dataset: Untitled

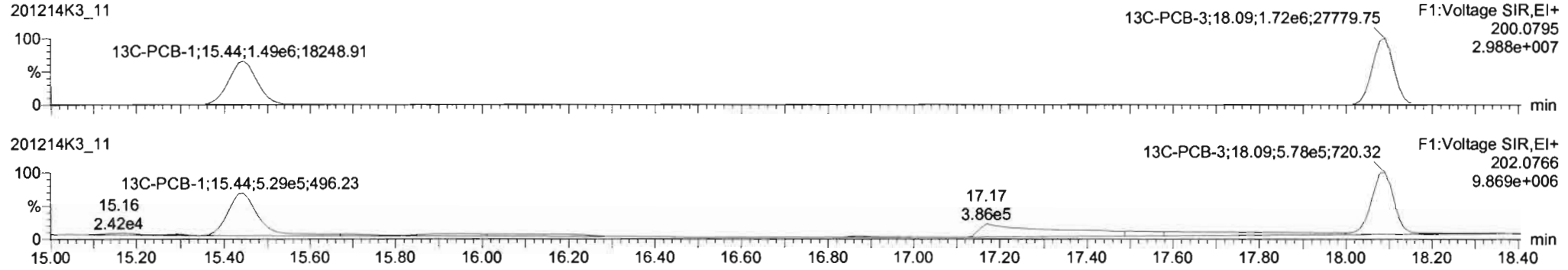
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

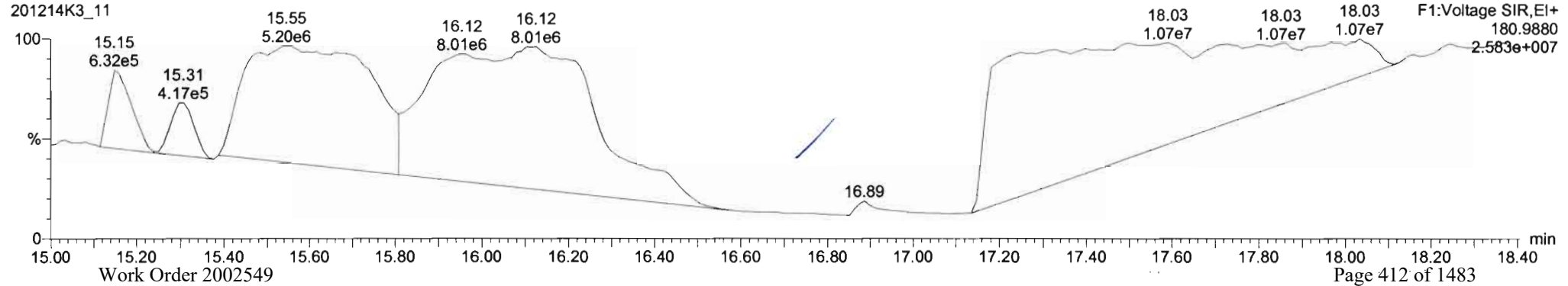
**PCB-1**



**13C-PCB-1**

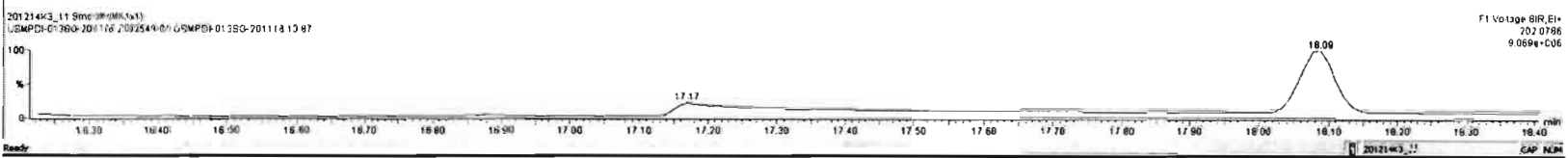
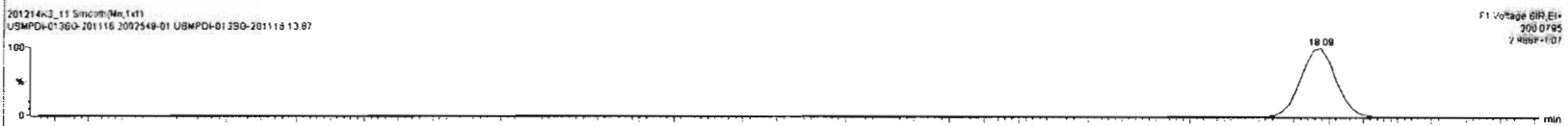
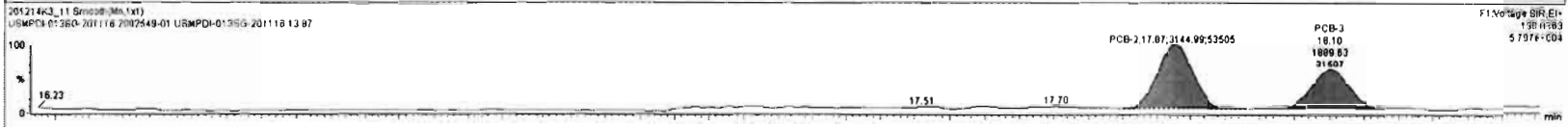
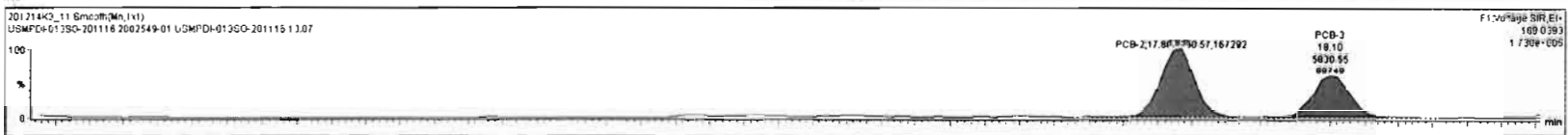


**PFK1**



#	Name	Resp	RA	n/y	RRF	wA/wf	Pred RT	RT	Pred RL	RRT	RRT f/ai	Conc.	%Rec	DL	EMPC
221	13C-PCB-178	0.81e5	0.45	NO	0.7744	5.103	45.08	45.08	0.998	0.998	NO	1920	98.0	1.11	
222	13C-PCB-179	1.62e6	0.76	NO	1.2415	5.103	37.80	37.80	0.999	0.999	NO	1914	97.7	1.05	
223	13C-PCB-178	0.81e5	0.45	NO	1.0780	5.103	45.08	45.08	0.923	0.923	NO	1745	98.0	0.877	
224	Total Mono-PCBs				1.0204	5.103	0.00		0.000		NO	24.30	0.845	24.20	
225	Total Di-PCBs				1.0367	5.103	0.00		0.000		NO	208.4	9.04	214.2	
226	2nd Function Tri-PCBs				0.9434	5.103	0.00		0.000		NO	203.7	1.92	203.7	
227	3rd Function Tri-PCBs				0.9687	5.103	0.00		0.000		NO	477.7	5.38	483.5	
228	Total Tetra-PCBs				0.9910	5.103	0.00		0.000		NO	1901	7.62	1905	

#	Name	Pred RT	RT	n1 Resp	n2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	PCB-1	15.40	15.45	5.823e3	1.809e3	3.130	3.31	NO	7.2143	7.2143
2	PCB-2	17.88	17.88	9.361e3	3.145e3	3.130	2.86	NO	10.428	10.428
3	PCB-3	18.10	18.10	5.831e3	1.806e3	3.130	3.06	NO	8.5819	8.5819



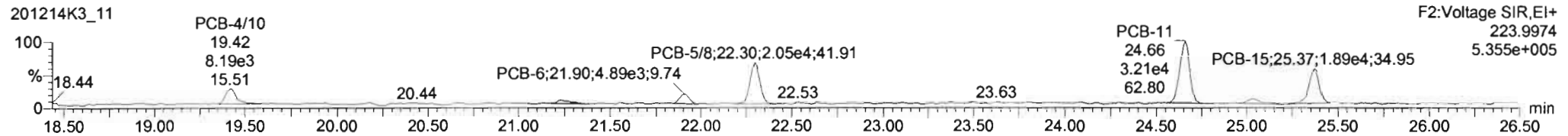
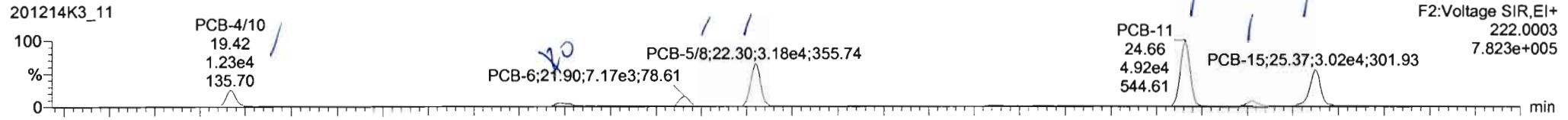
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Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time

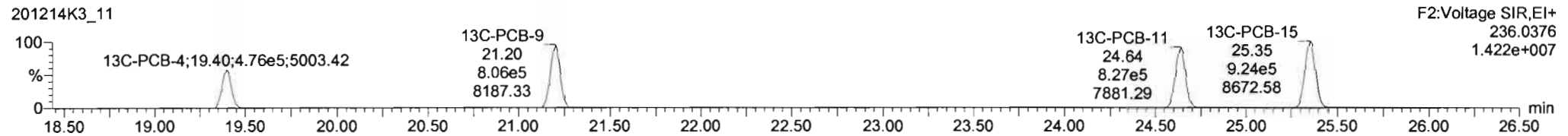
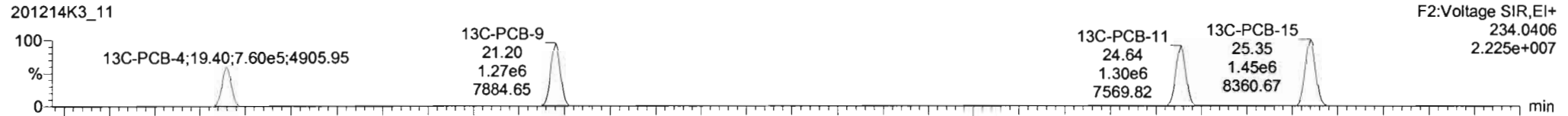
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

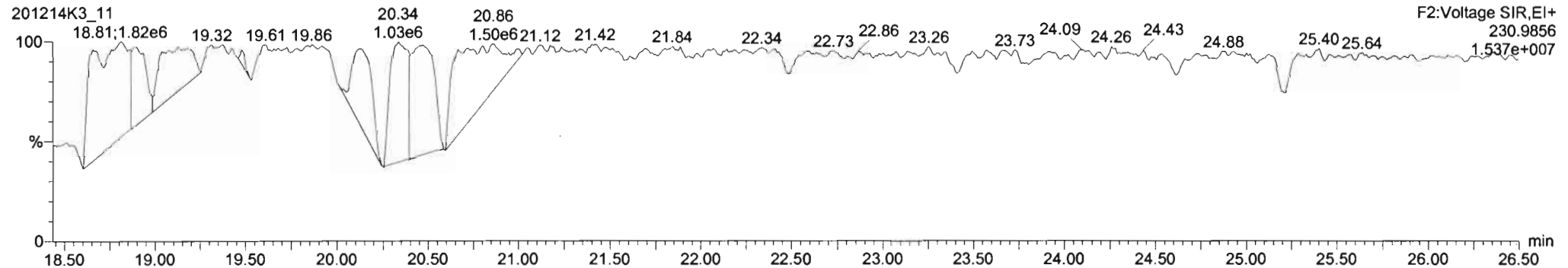
**PCB-4/10**

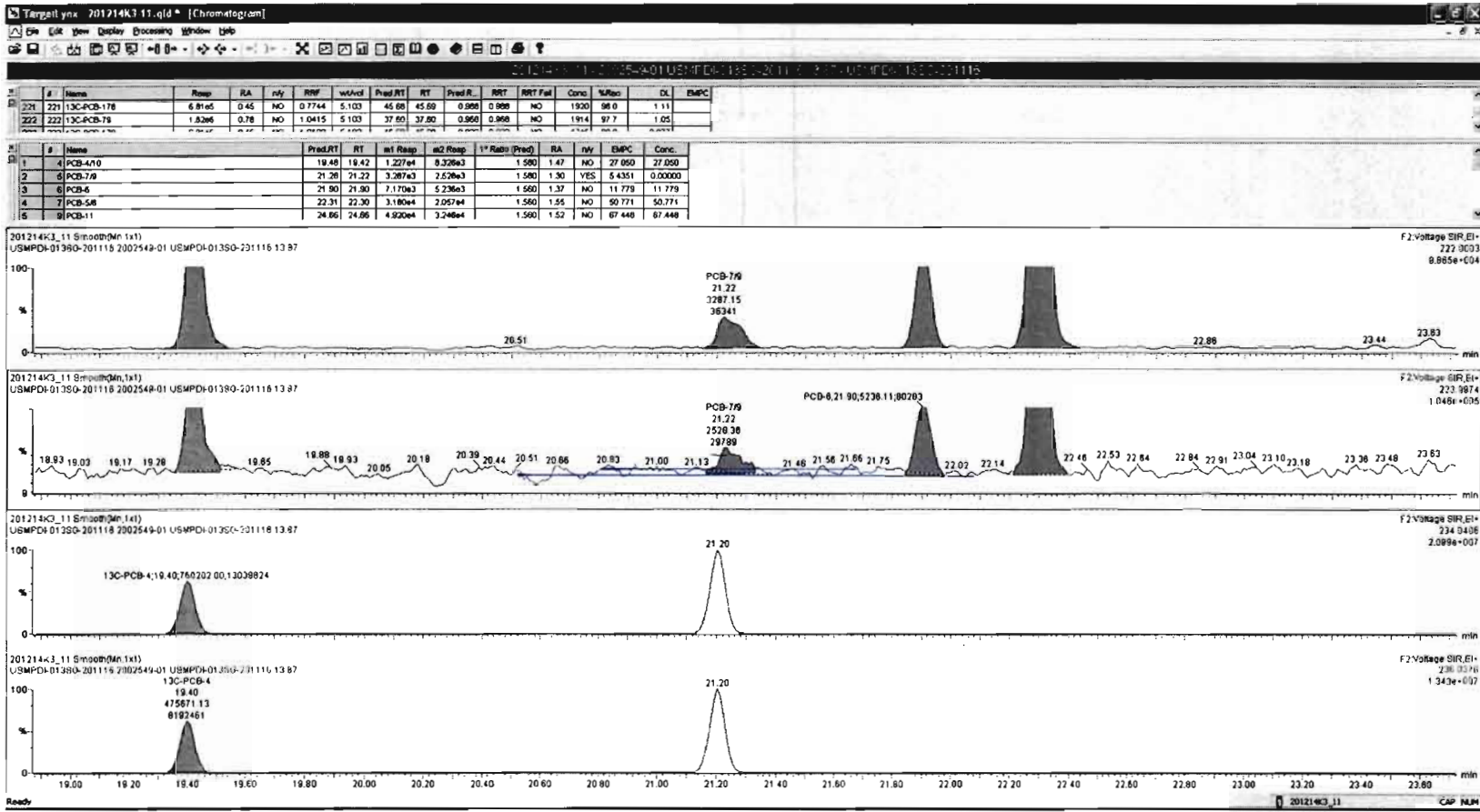


**13C-PCB-4**



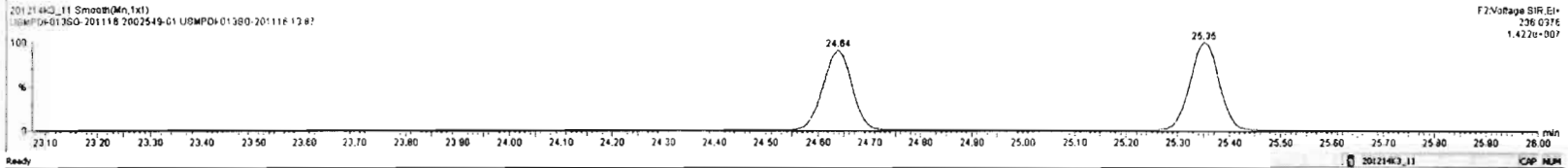
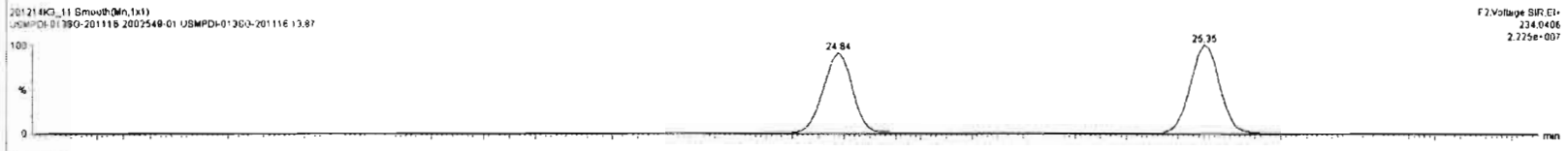
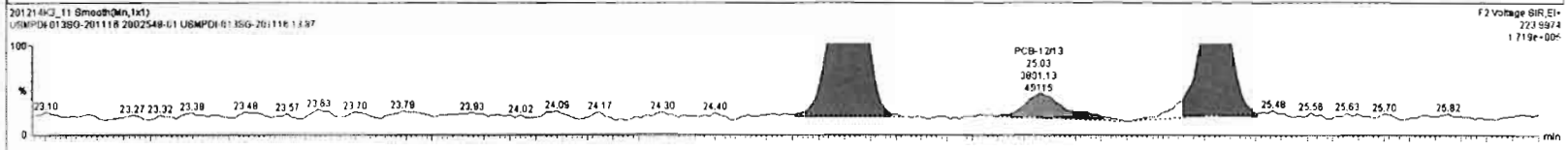
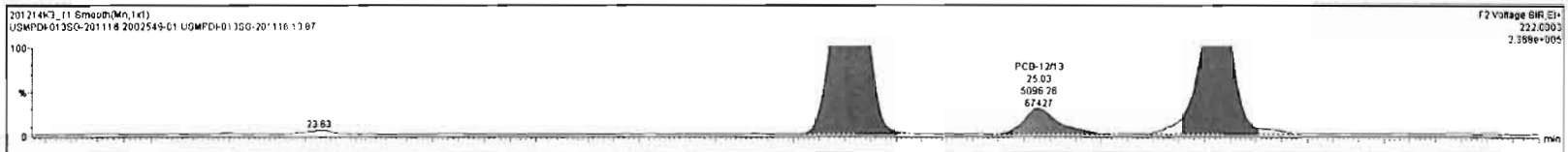
**PFK2a**





#	Name	Resp	RA	nly	RF	mVd	Pred RT	RT	Pred RT	RT	RF	RF	Fail	Conc	%Ibs	DL	EMPC
221	13C-PCB-178	5.81e5	0.46	NO	0.7744	5.103	45.68	45.69	0.999	0.998	NO	1920	98.0	1.11			
222	13C-PCB-79	1.82e6	0.78	NO	1.0415	5.103	37.80	37.80	0.998	0.998	NO	1914	97.7	1.05			

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc
1	4-PCB-410	19.48	19.42	1.227e4	8.326e3	1.580	1.47	NO	27.050	27.050
2	5-PCB-749	21.26	21.22	3.267e3	2.529e3	1.580	1.30	YES	5.4361	0.00000
3	8-PCB-8	21.80	21.80	7.170e3	5.206e3	1.580	1.37	NO	11.779	11.779
4	7-PCB-548	22.31	22.30	3.180e4	2.057e4	1.580	1.55	NO	50.771	50.771
5	9-PCB-11	24.88	24.85	4.920e4	3.246e4	1.580	1.52	NO	87.448	87.448



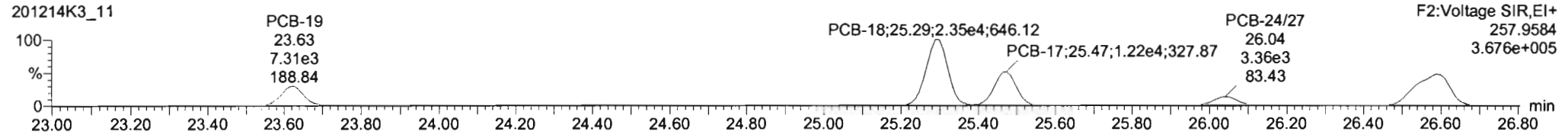
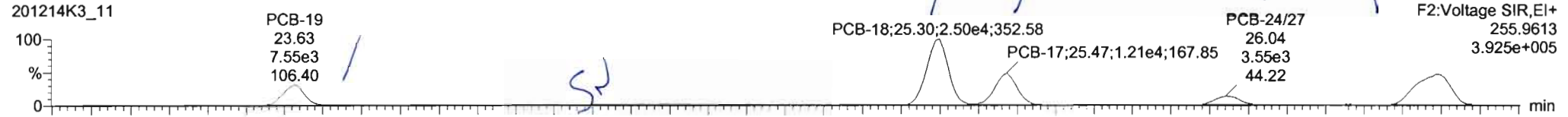


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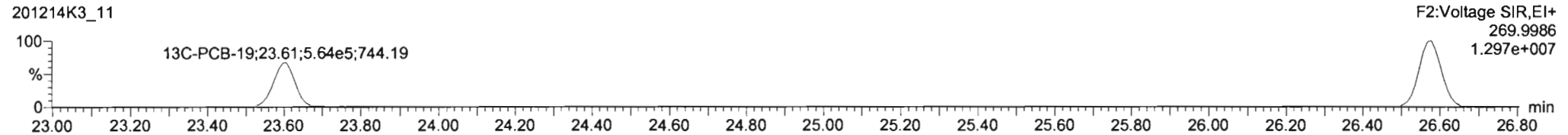
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Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

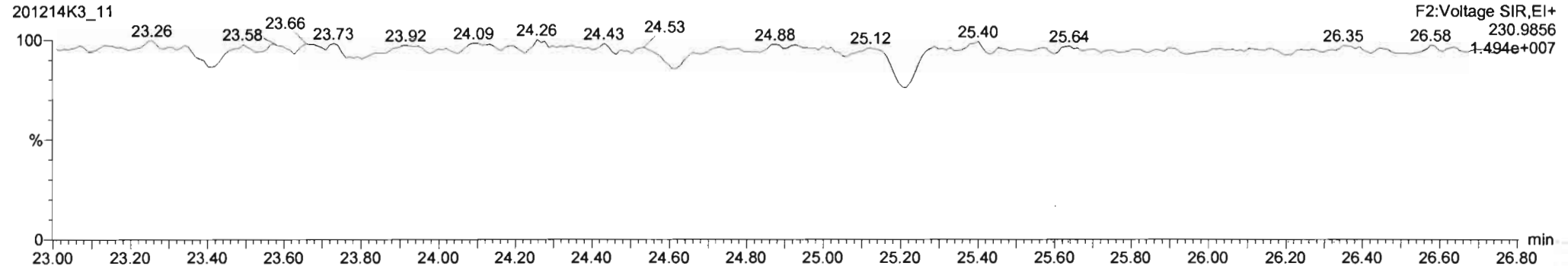
**PCB-19**

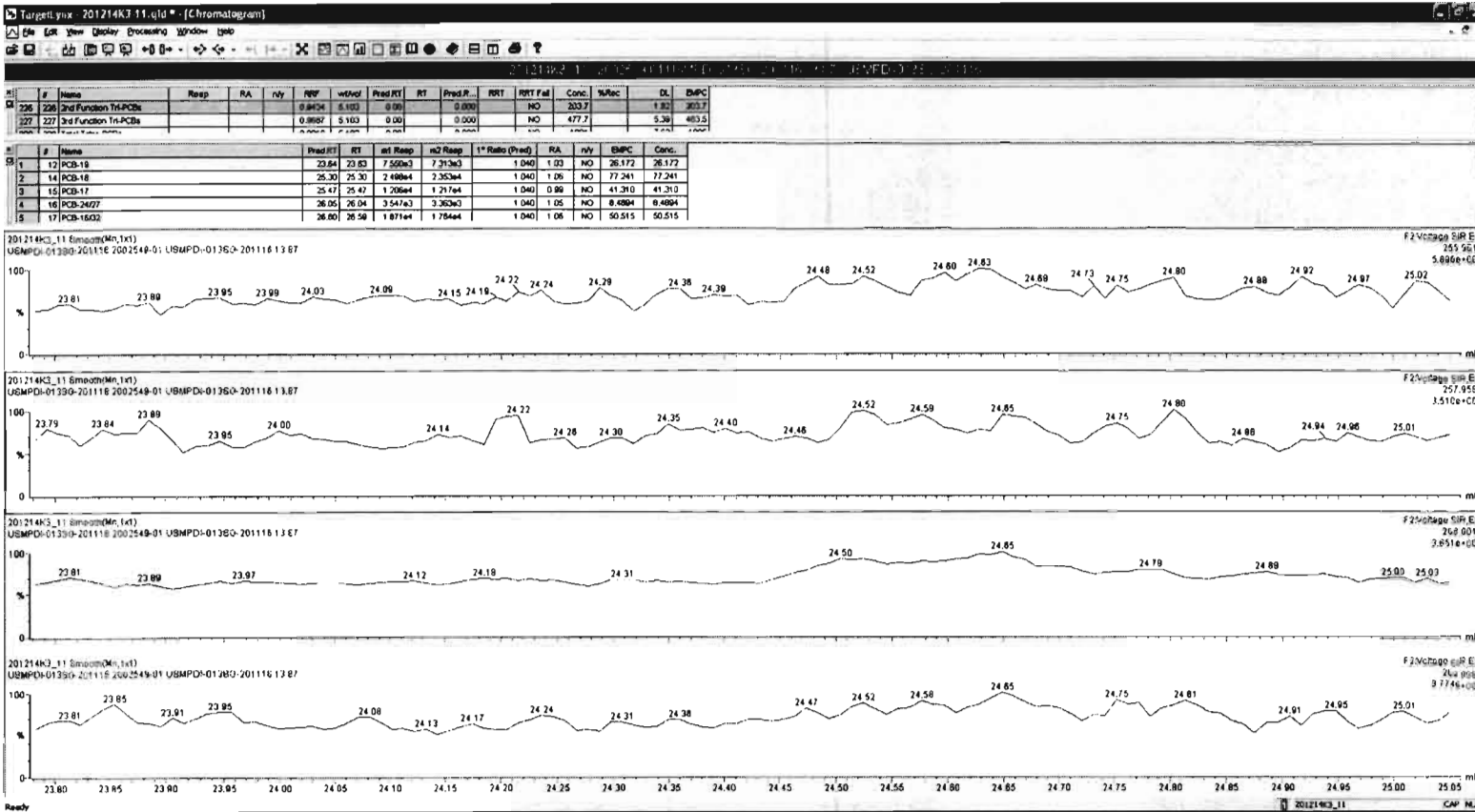


**13C-PCB-19**



**PFK2b**



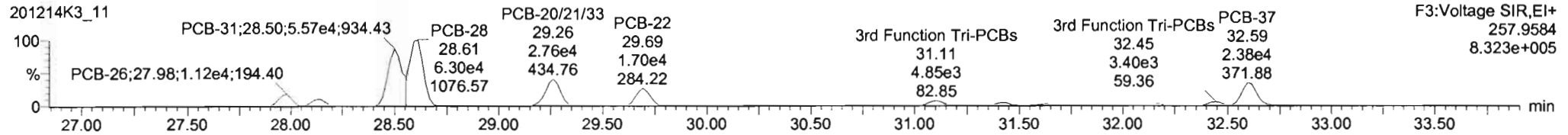
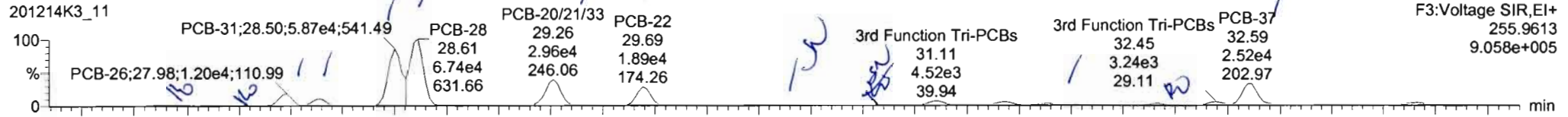


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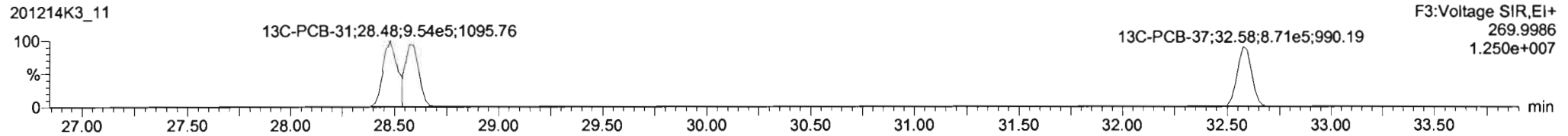
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Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

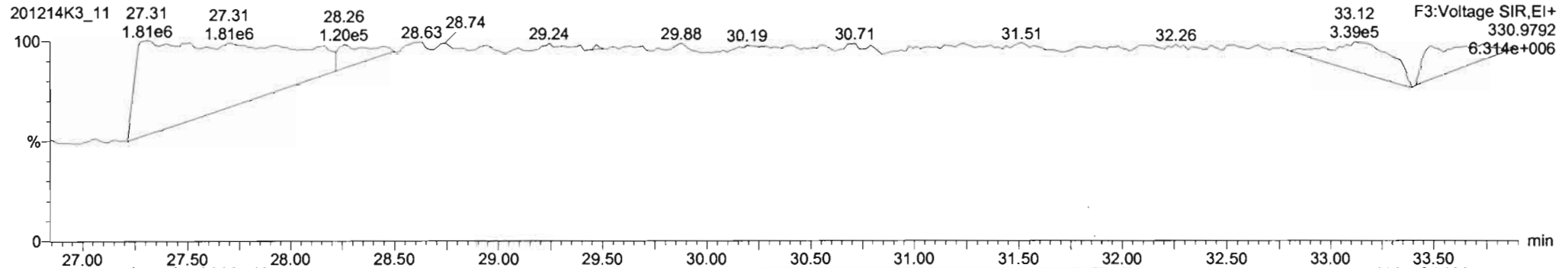
**PCB-34**

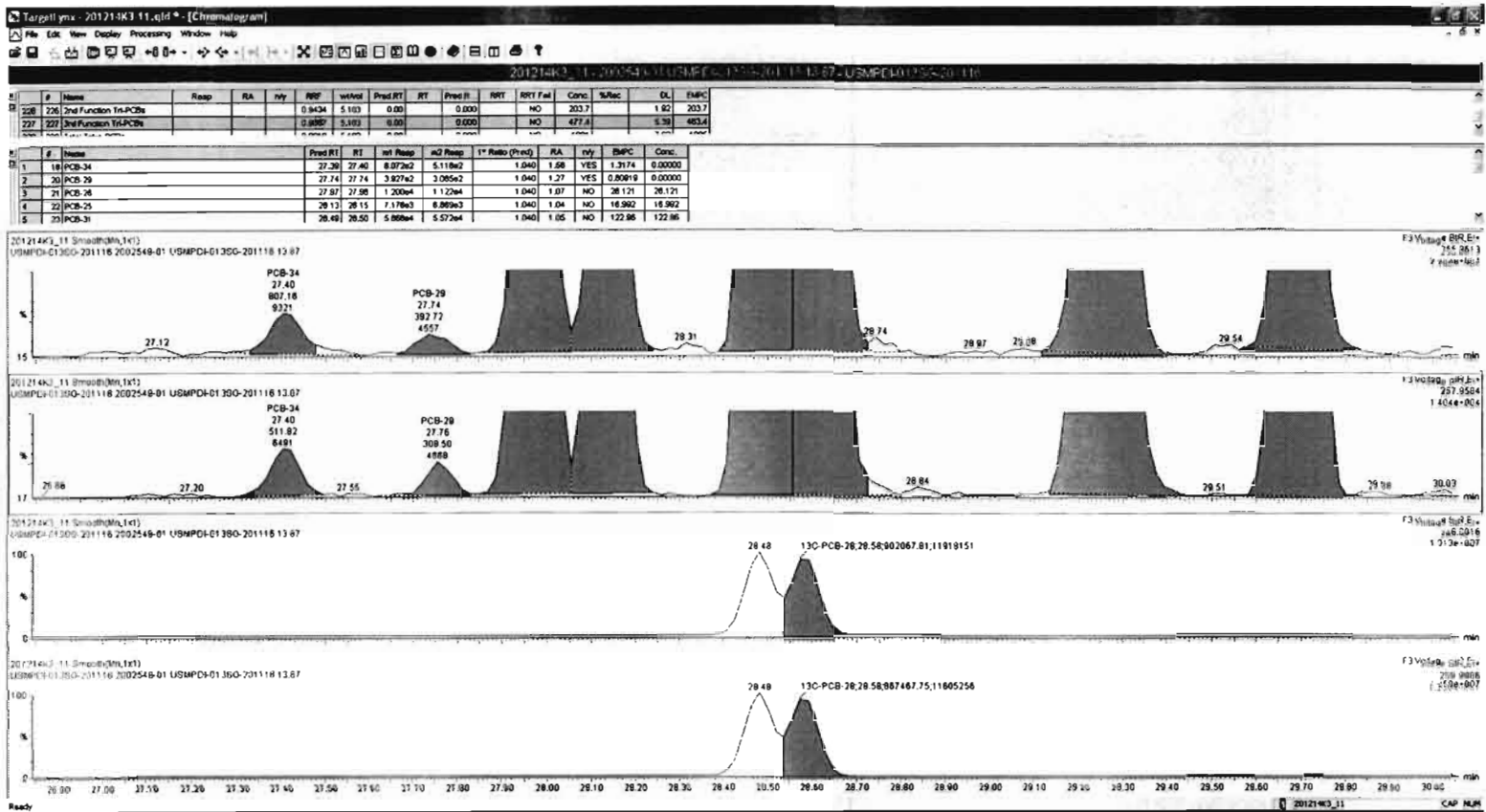


**13C-PCB-28**



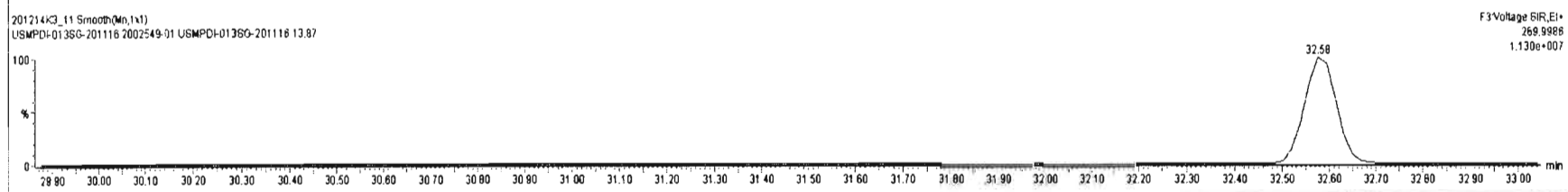
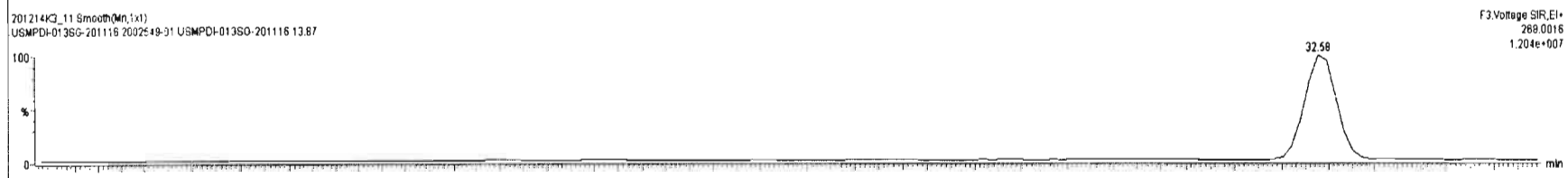
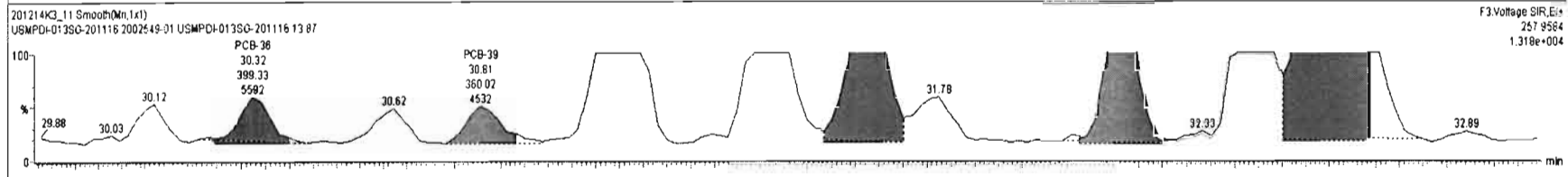
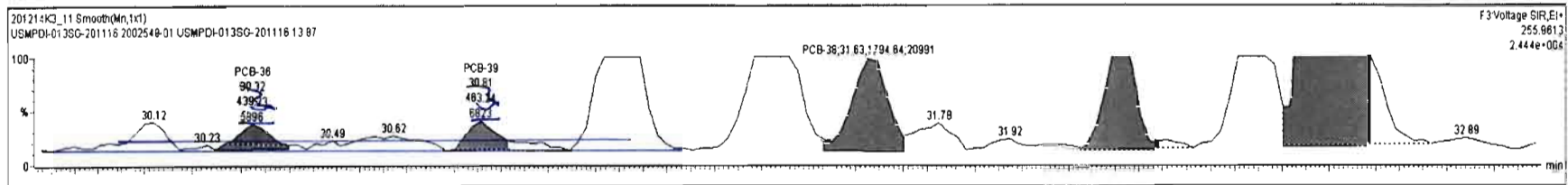
**PFK3d**

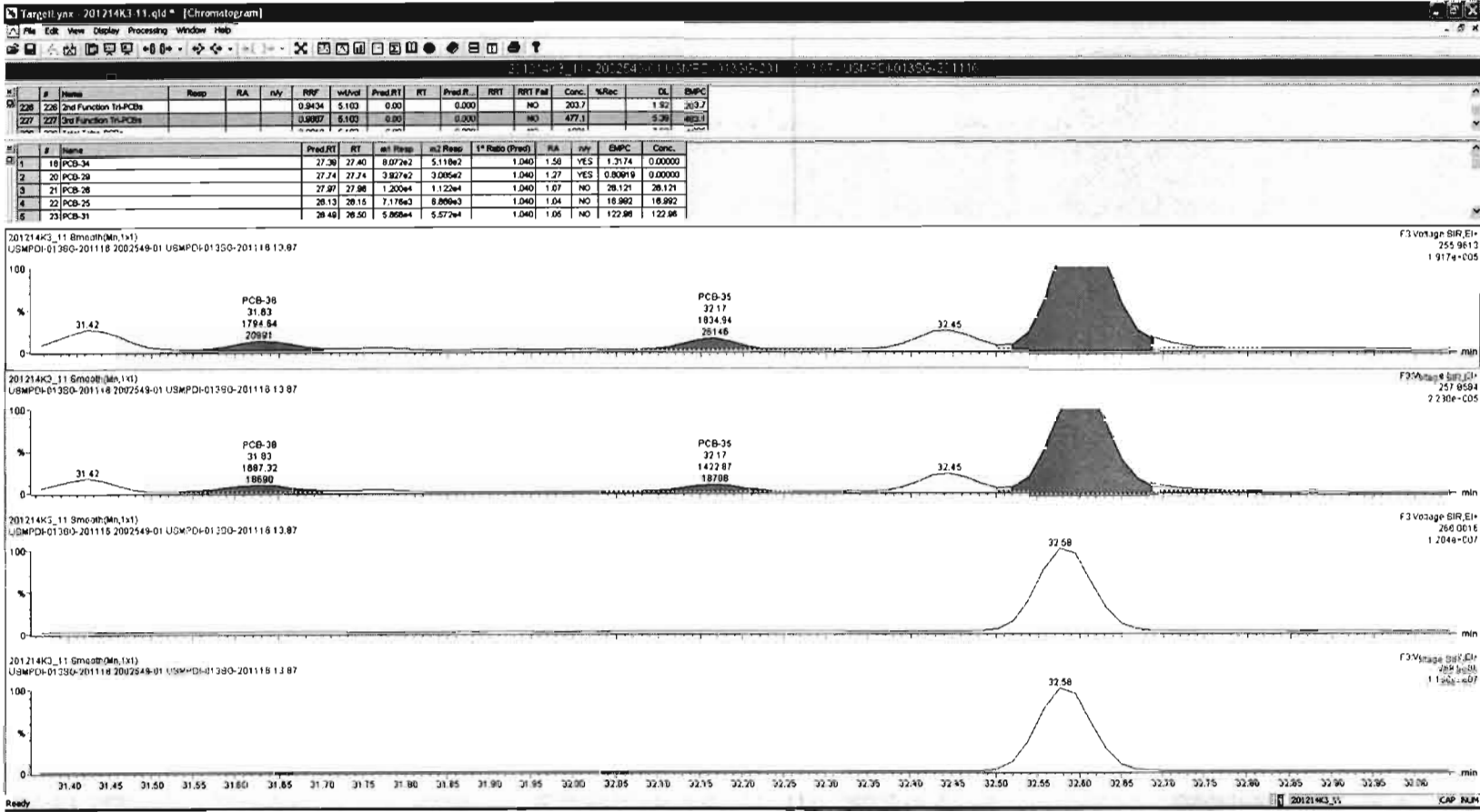




#	Name	Resp	RA	n/y	RF	wtAdj	Pred.RT	RT	Pred.R	RRT	RRT Fnl	Conc	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				0.9434	5.103	0.00		0.000		NO	203.7		1.92	203.7
227	3rd Function Tri-PCBs				0.9687	5.103	0.00		0.000		NO	477.4		5.38	483.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
9	27 PCB-36	30.35	30.32	4.392e2	3.953e2	1.040	1.10	NO	0.86033	0.86033
10	28 PCB-39	30.83	30.81	4.632e2	3.800e2	1.040	1.29	YES	0.80232	0.00000
11	29 PCB-38	31.62	31.63	1.795e3	1.687e3	1.040	1.06	NO	3.6348	3.6348
12	30 PCB-35	32.16	32.17	1.835e3	1.423e3	1.040	1.29	YES	3.0403	0.00000
13	31 PCB-37	32.60	32.59	2.445e4	2.324e4	1.040	1.05	NO	50.856	50.856



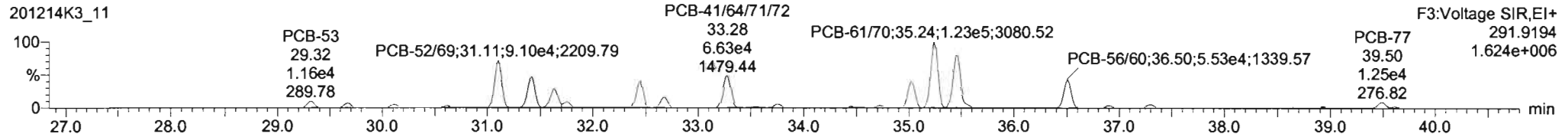
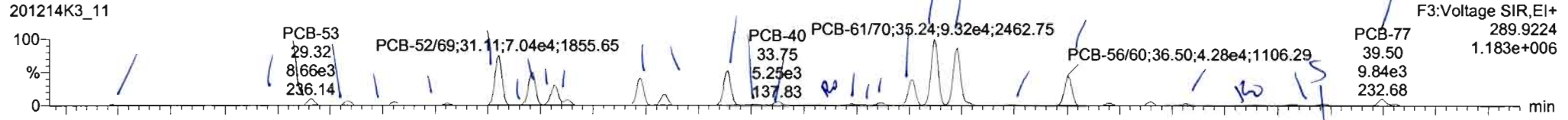


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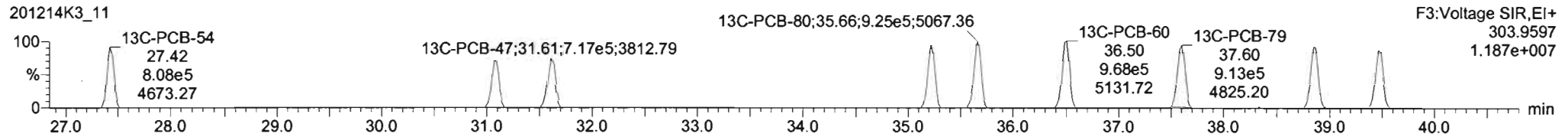
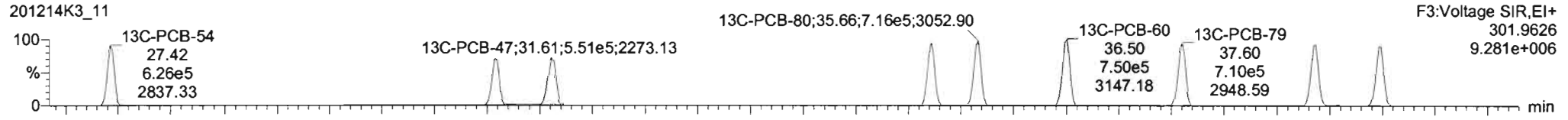
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Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

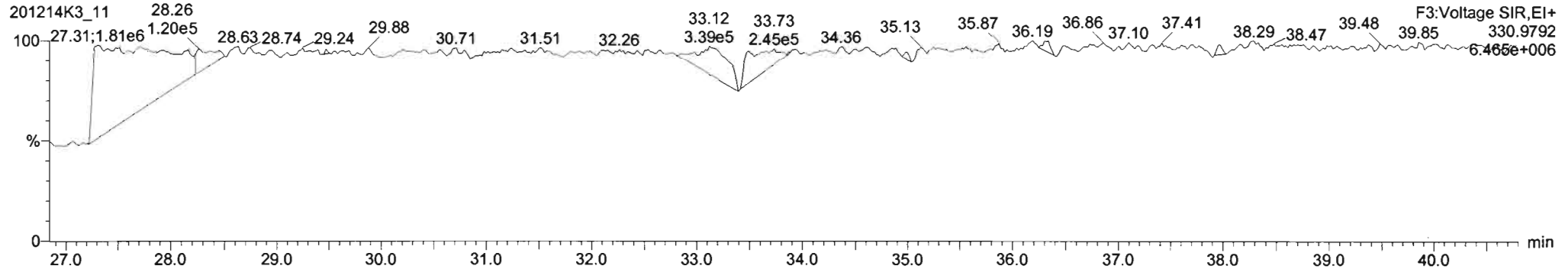
**PCB-54**



**13C-PCB-54**



**PFK3a**



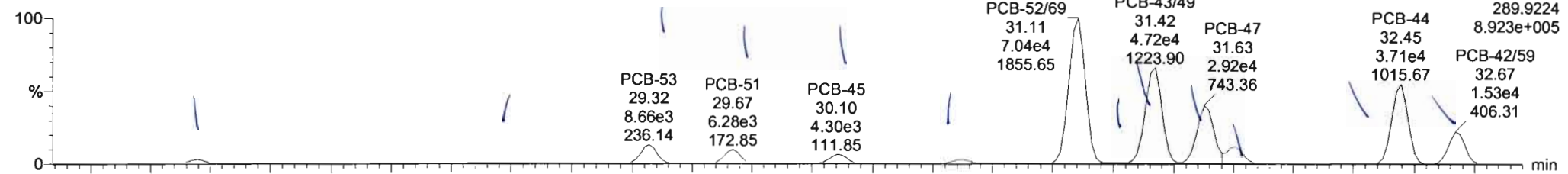
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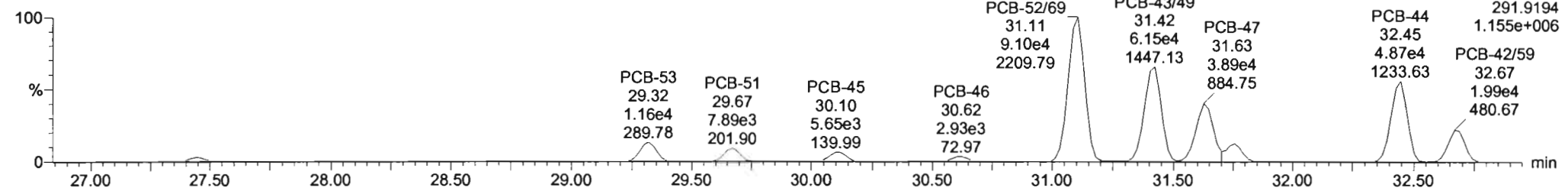
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**PCB-50**

201214K3\_11

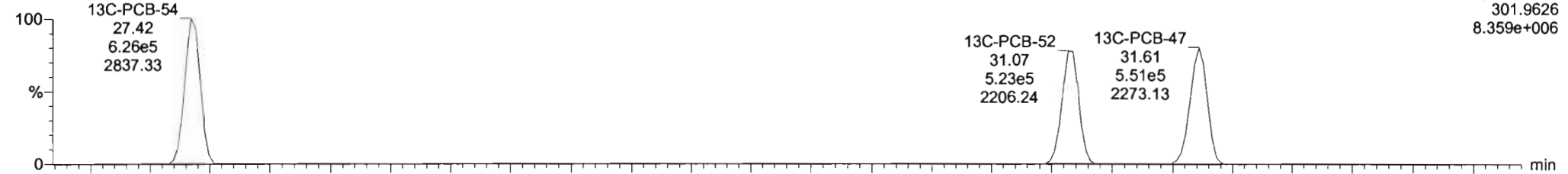


201214K3\_11

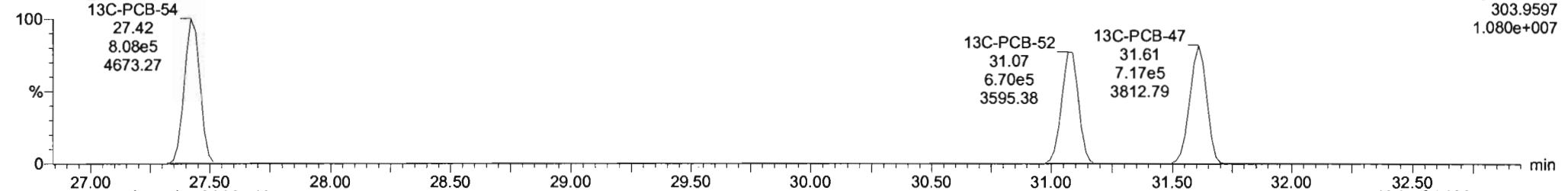


**13C-PCB-52**

201214K3\_11



201214K3\_11

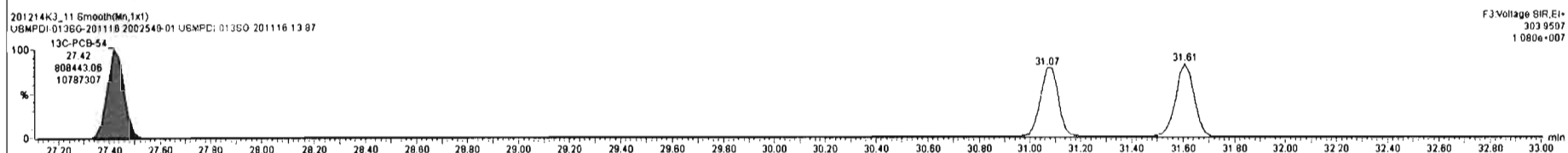
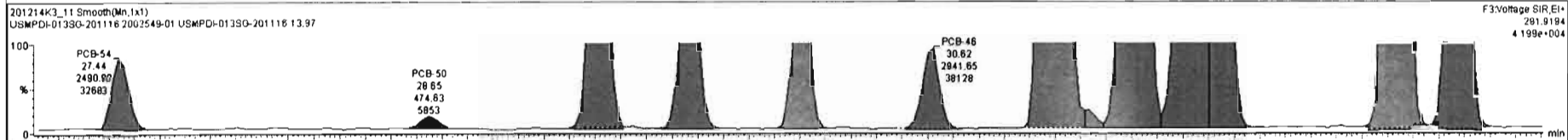
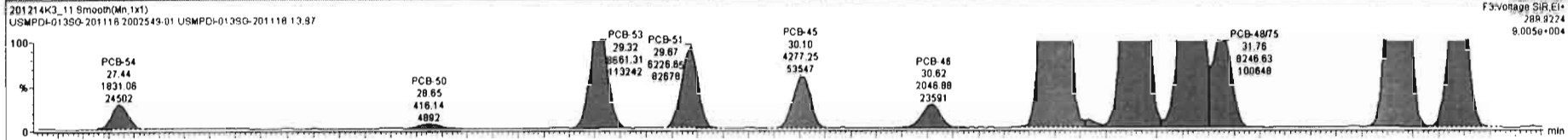




201214K3\_11 - 2002549-01 USMPDI:013SG-201116 13 37 - USMPDI:013SG-201116

#	Name	Resp	RA	n/y	RRF	w/Uvol	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tru-PCBs				0.9434	5.103	0.00		0.000		NO	203.7		1.92	203.7
227	2nd Function Tru-PCBs				0.9687	5.103	0.00		0.000		NO	476.2		5.39	481.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.44	27.44	1.831e3	2.491e3	0.770	0.74	NO	6.0596	6.0596
33	PCB-50	28.64	28.65	4.161e2	4.745e2	0.770	0.88	NO	1.5155	1.5155
34	PCB-53	29.30	29.32	8.661e3	1.170e4	0.770	0.74	NO	35.815	35.815
4	PCB-51	29.66	29.67	6.227e3	7.899e3	0.770	0.79	NO	23.194	23.194
36	PCB-45	30.11	30.10	4.277e3	5.852e3	0.770	0.76	NO	20.320	20.320



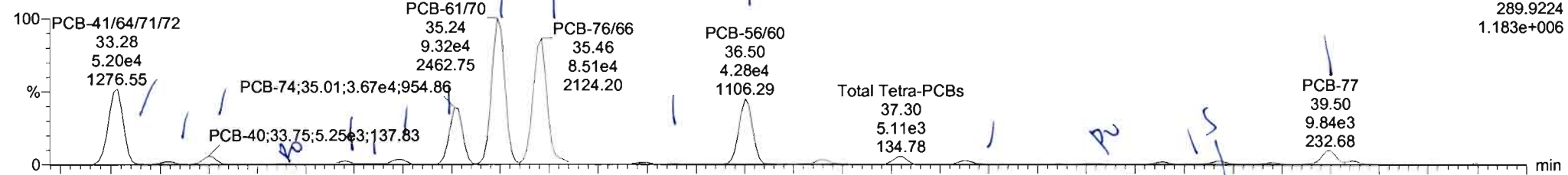
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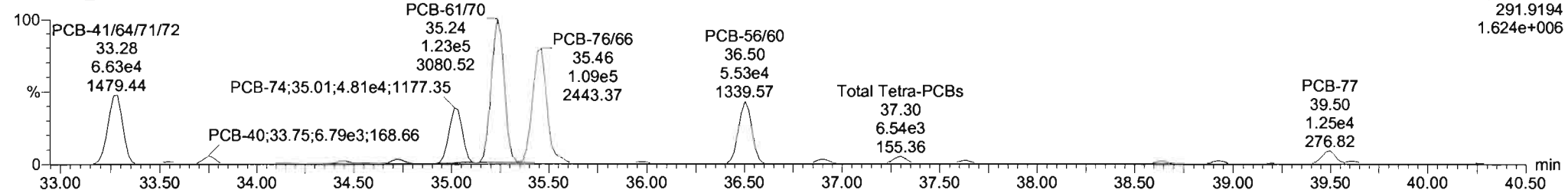
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**PCB-68**

201214K3\_11

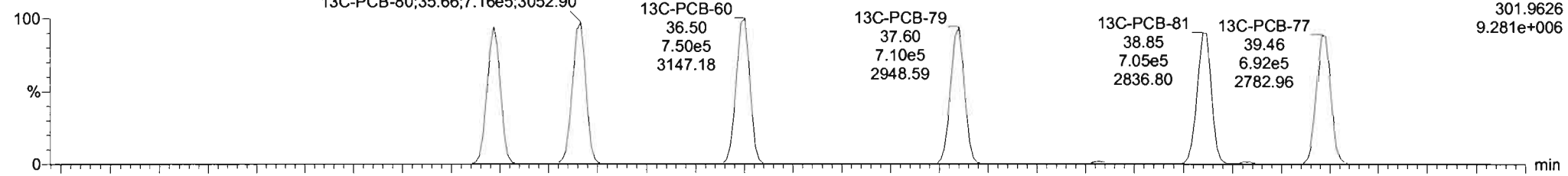


201214K3\_11

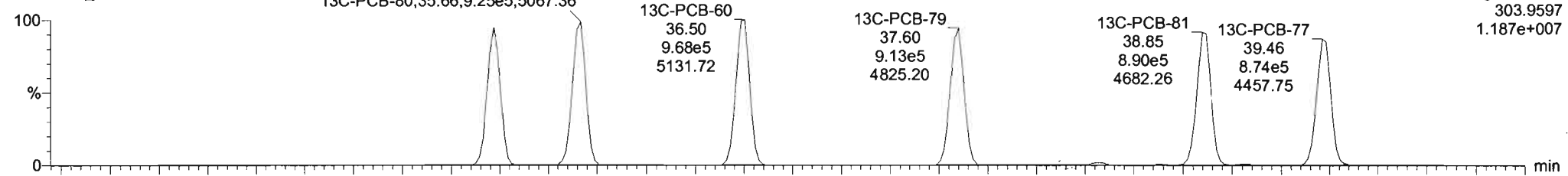


**13C-PCB-60**

201214K3\_11

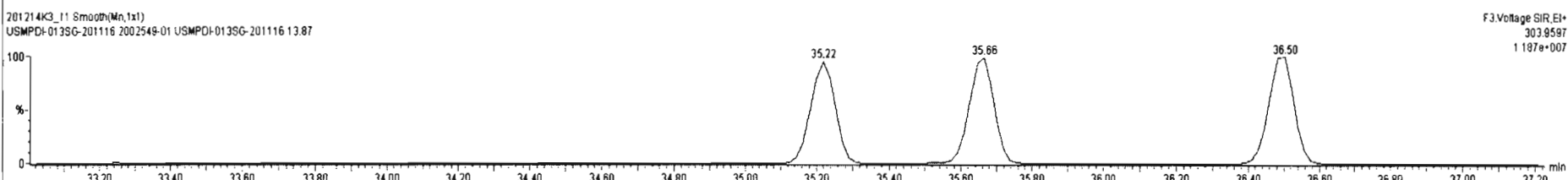
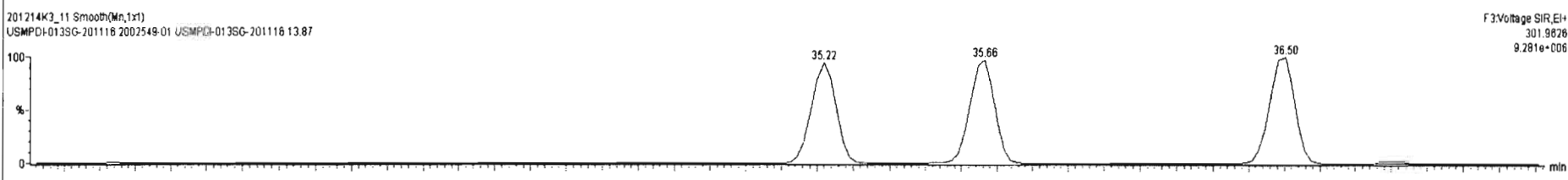
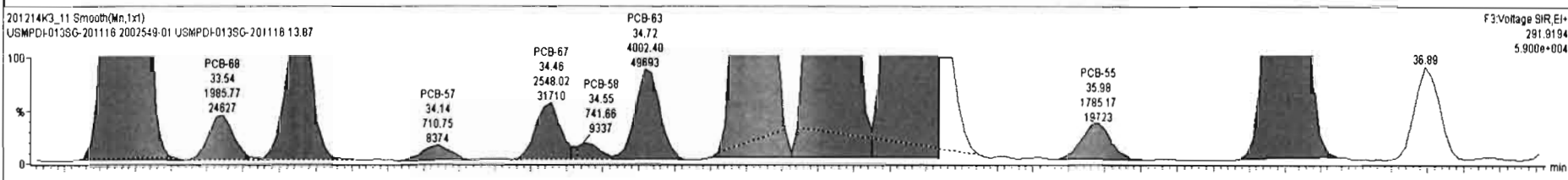
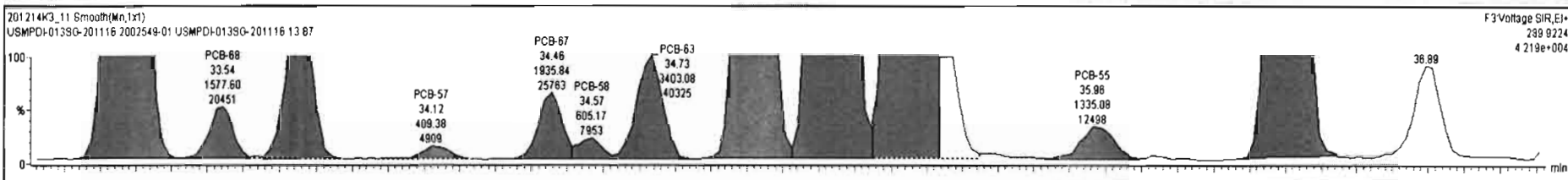


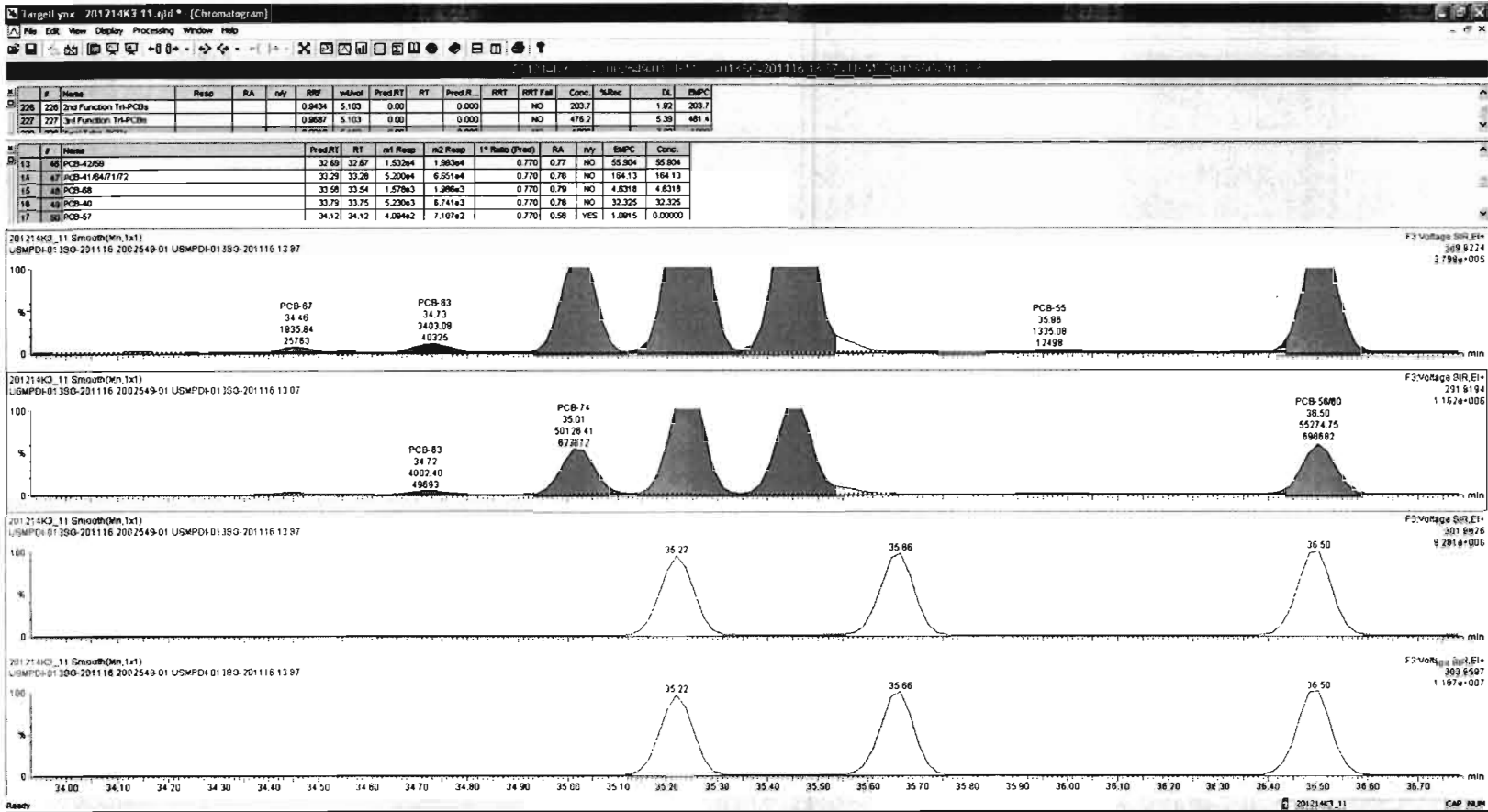
201214K3\_11

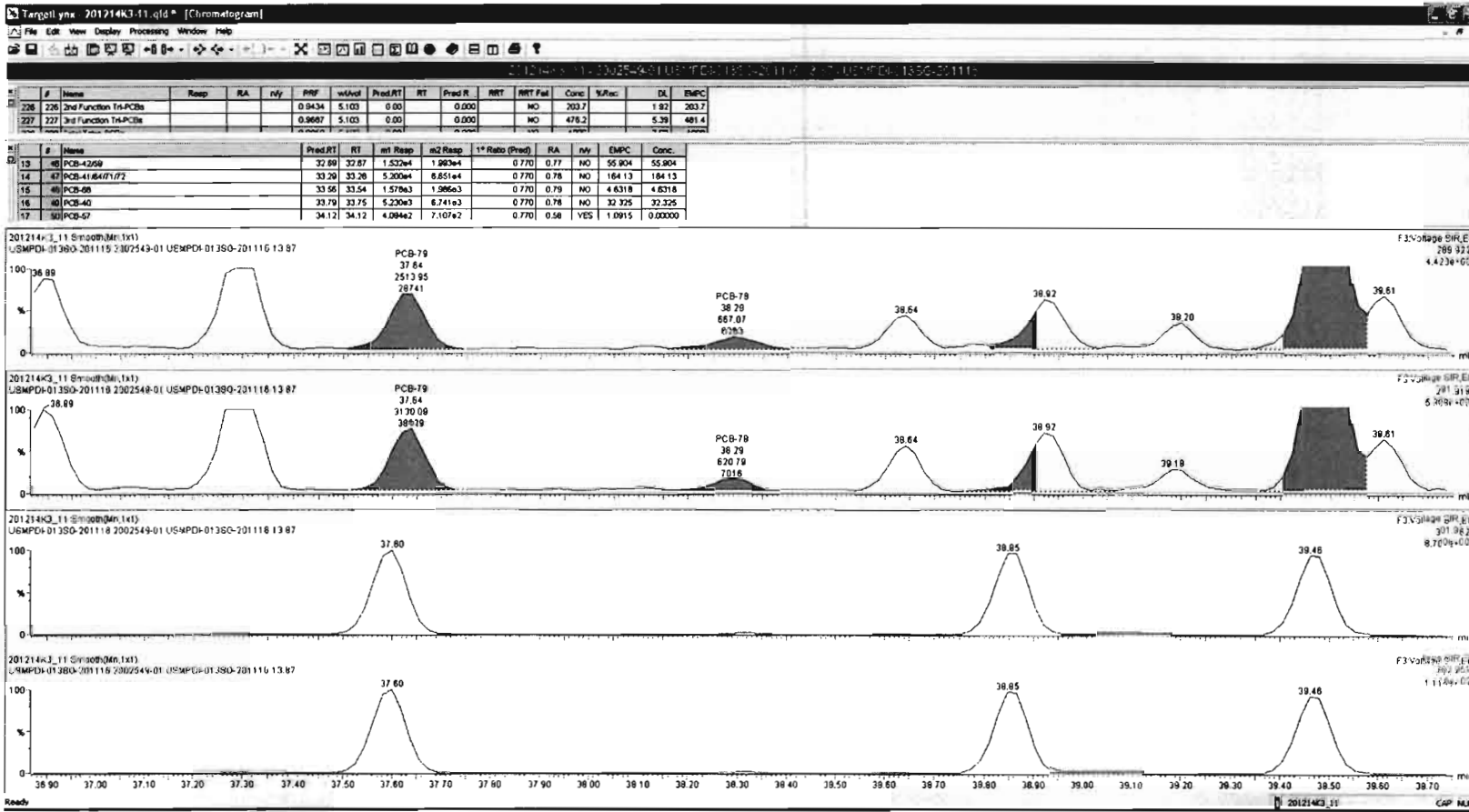


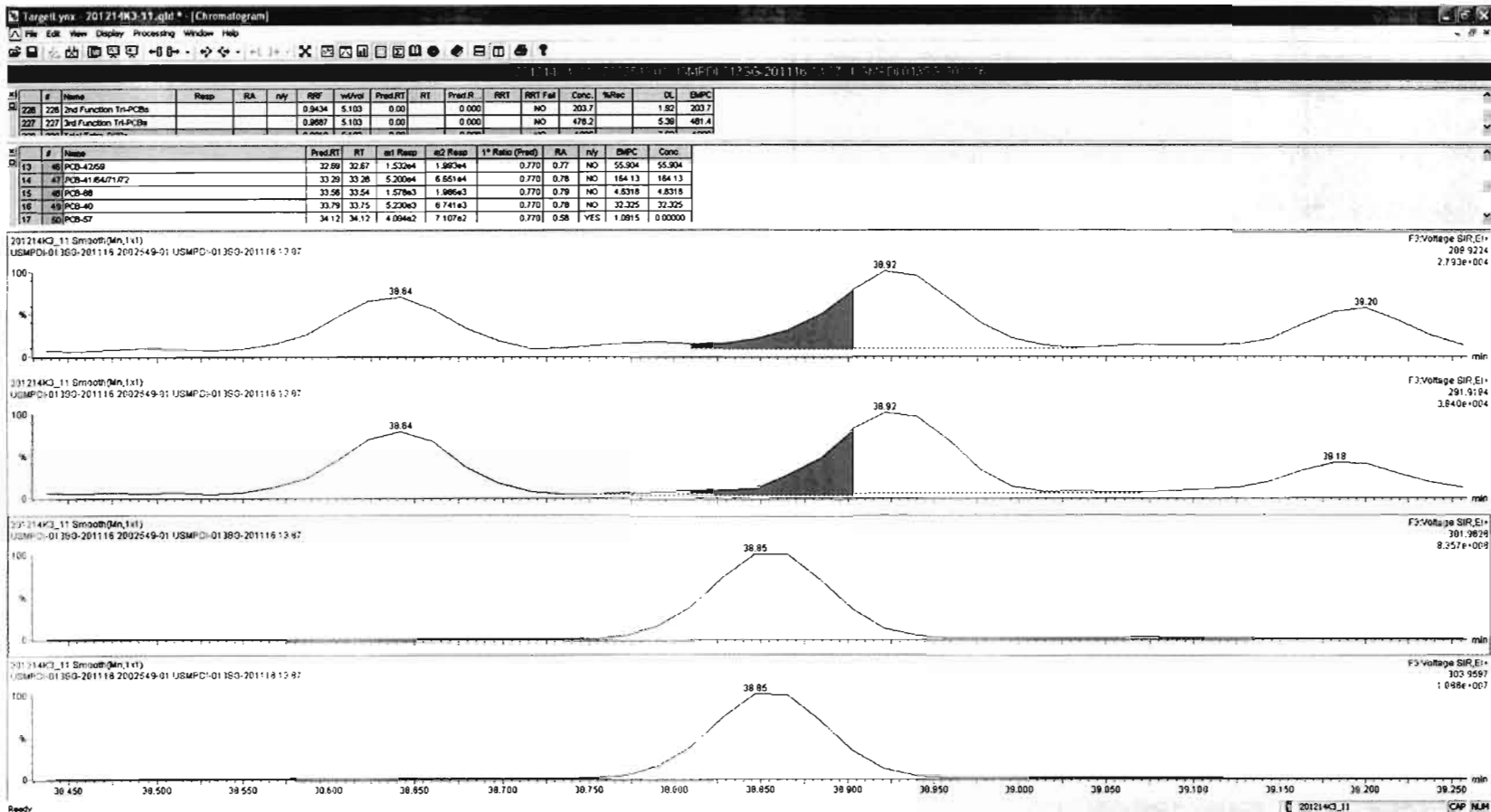
#	Name	Resp	RA	n/y	RRF	w/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				0.9434	5.103	0.00		0.000		NO	203.7	1.92	203.7	
227	3rd Function Tri-PCBs				0.9687	5.103	0.00		0.000		NO	476.2	5.39	481.4	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
13	46 PCB-4269	32.69	32.67	1.532e4	1.993e4	0.770	0.77	NO	55.904	55.904
14	47 PCB-41647172	33.29	33.28	5.200e4	6.651e4	0.770	0.78	NO	164.13	164.13
15	48 PCB-68	33.56	33.54	1.578e3	1.986e3	0.770	0.79	NO	4.6318	4.6318
16	49 PCB-40	33.79	33.75	5.230e3	6.741e3	0.770	0.78	NO	32.325	32.325
17	50 PCB-57	34.12	34.12	4.094e2	7.107e2	0.770	0.58	YES	1.0915	0.00000









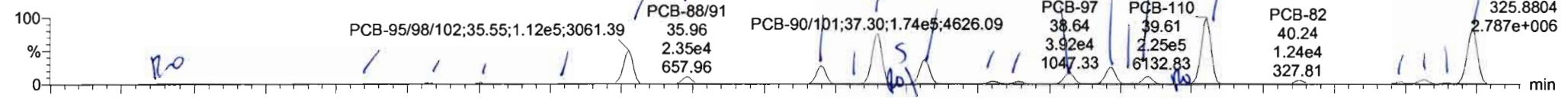
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

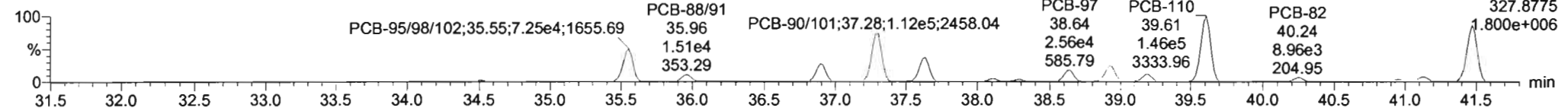
Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

**PCB-104**

201214K3\_11

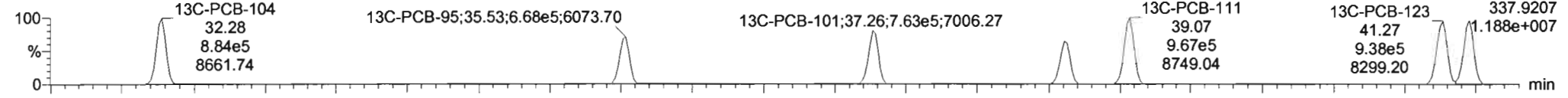


201214K3\_11

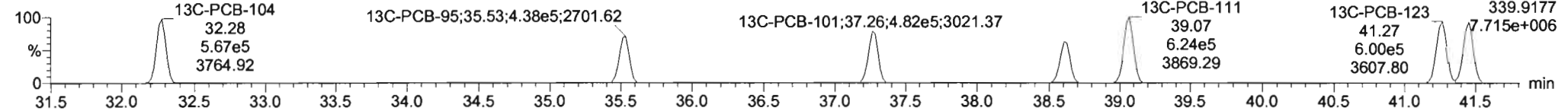


**13C-PCB-104**

201214K3\_11

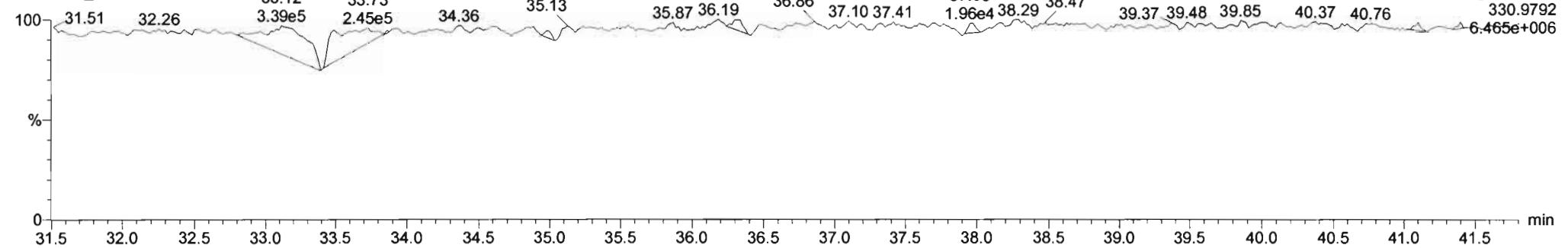


201214K3\_11



**PFK3b**

201214K3\_11



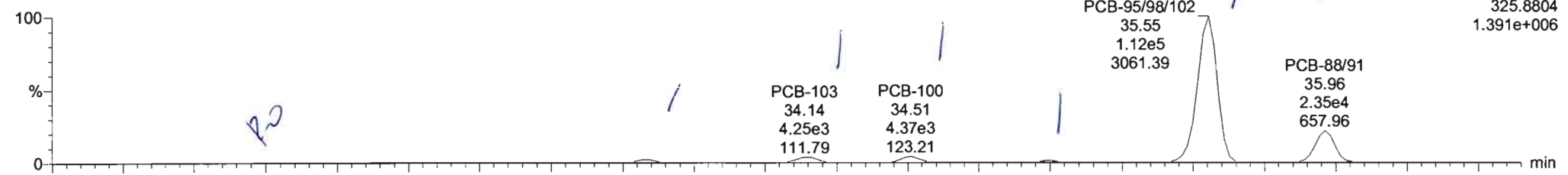
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

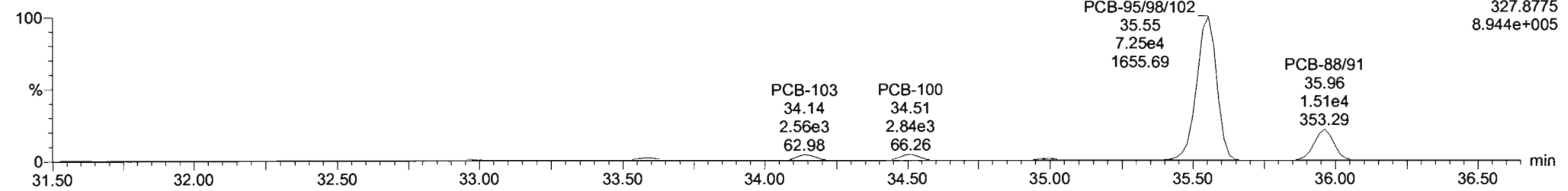
Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

**PCB-96**

201214K3\_11

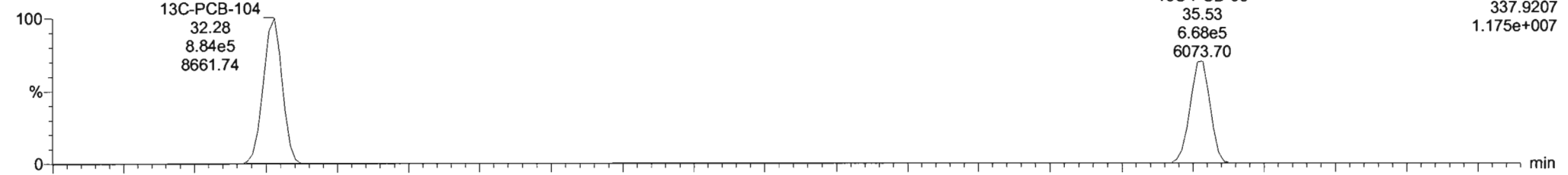


201214K3\_11

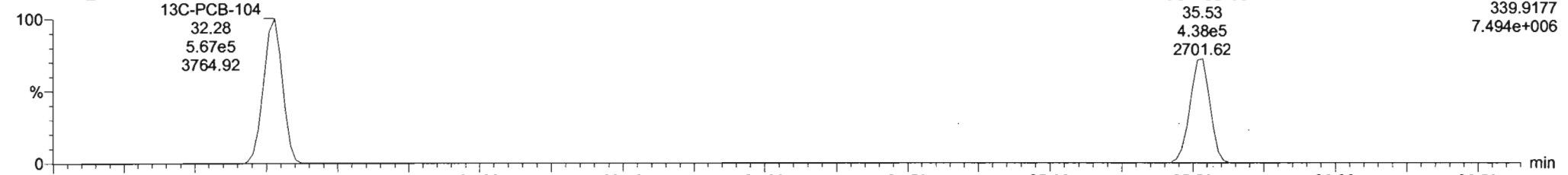


**13C-PCB-95**

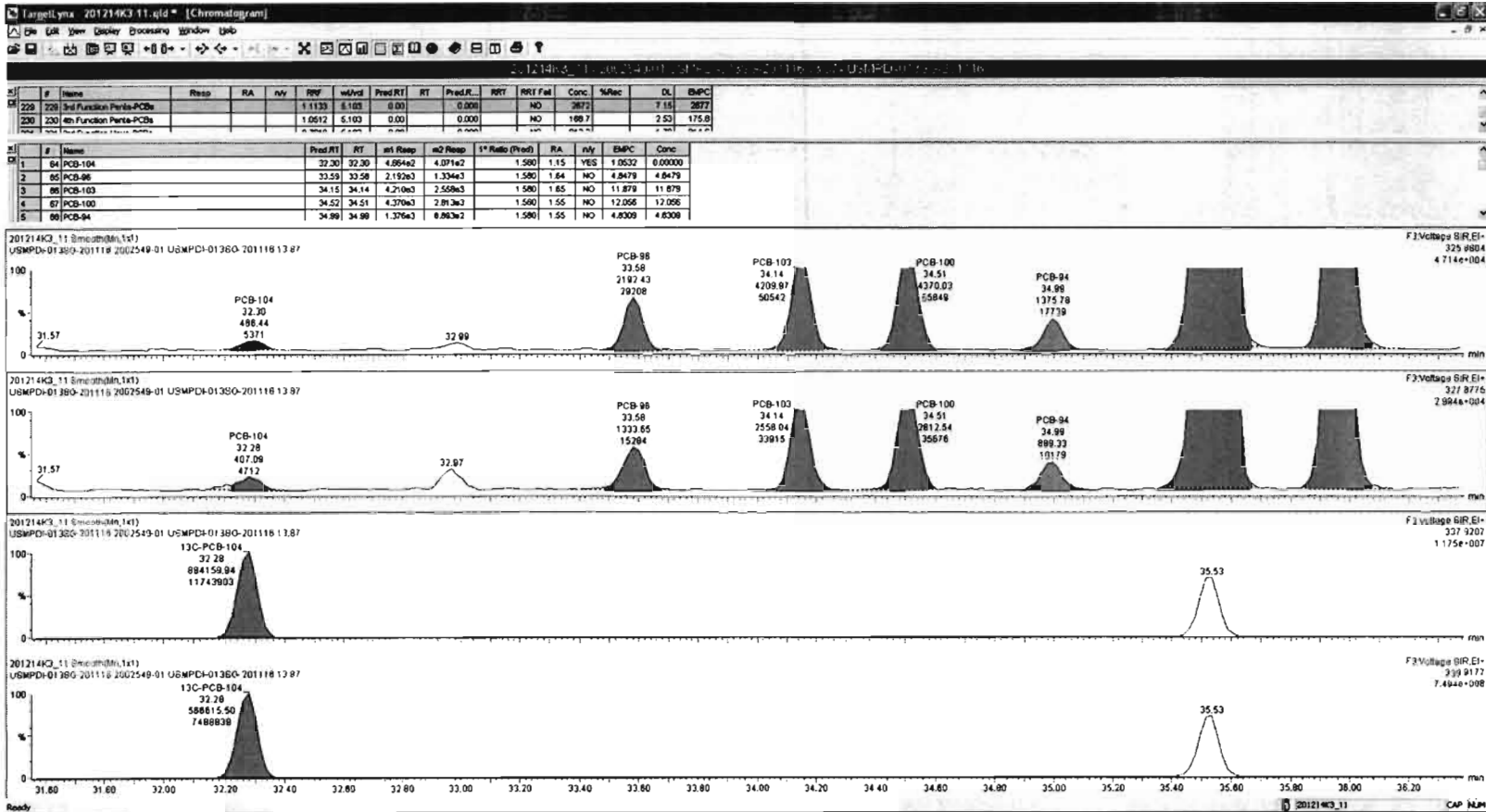
201214K3\_11



201214K3\_11





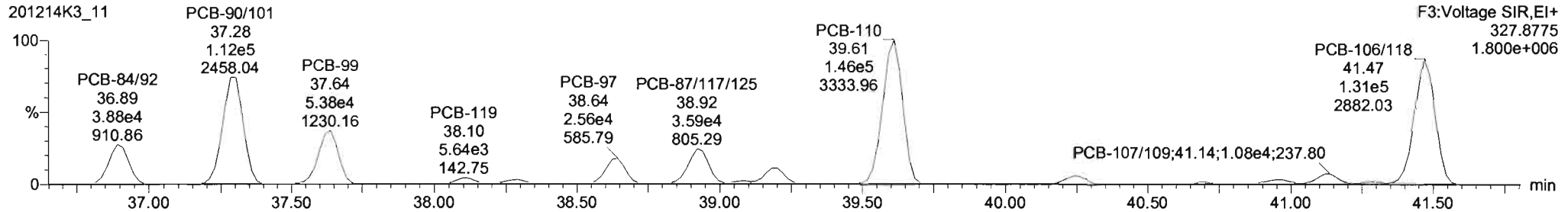
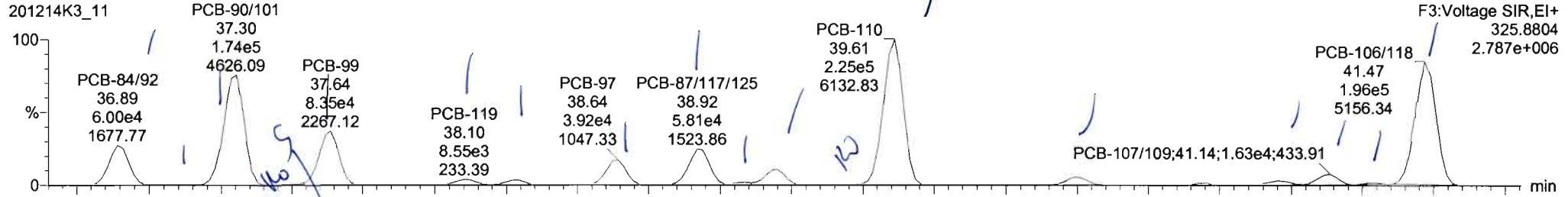


Dataset: Untitled

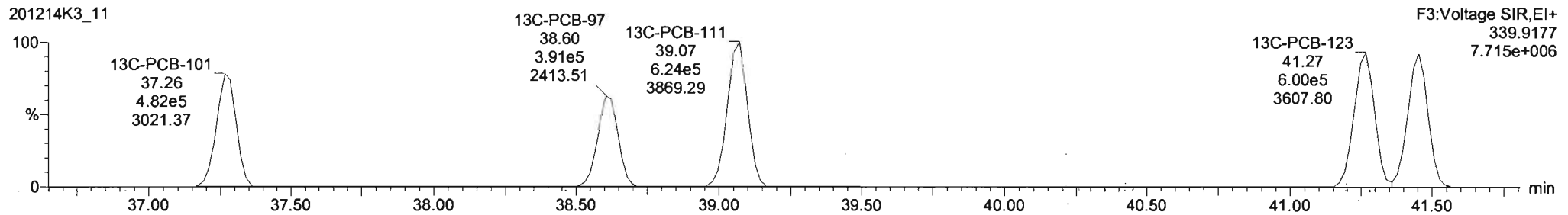
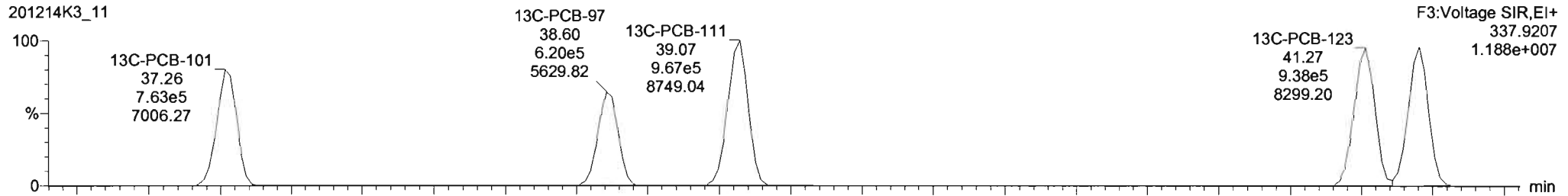
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

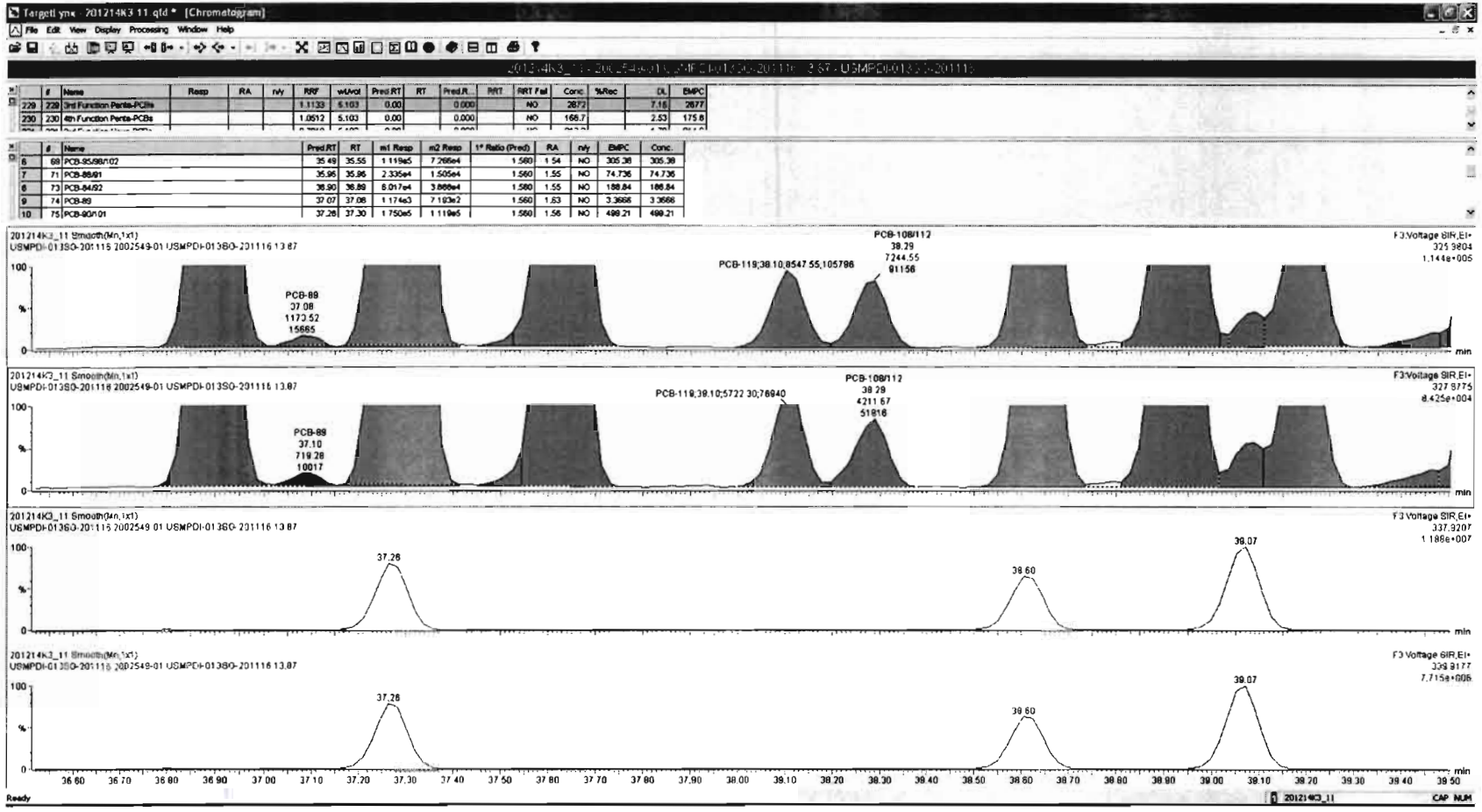
Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

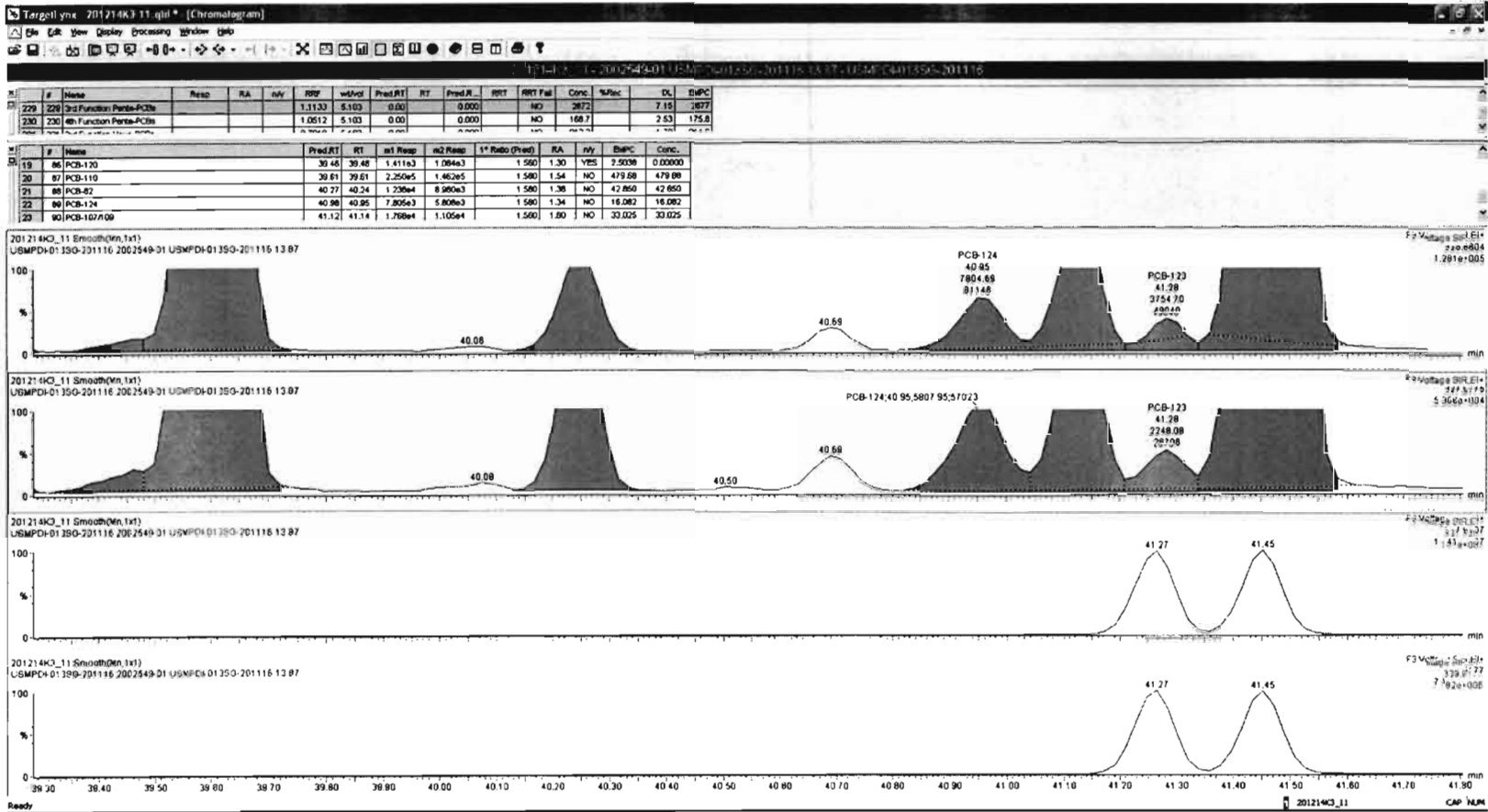
**PCB-119**



**13C-PCB-111**





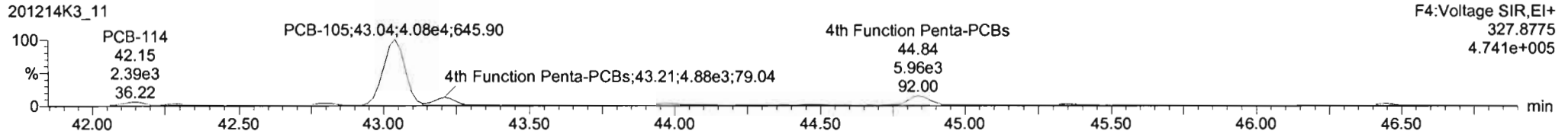
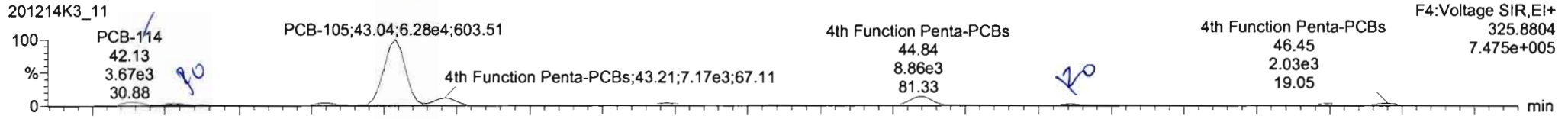


Dataset: Untitled

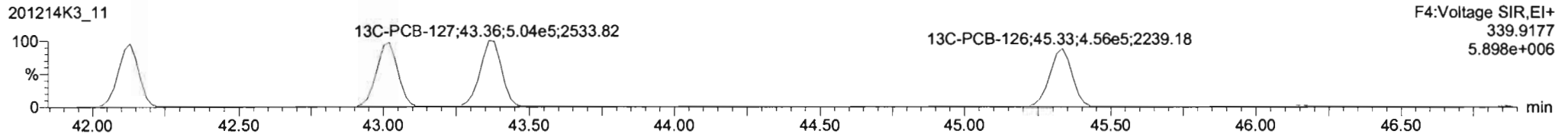
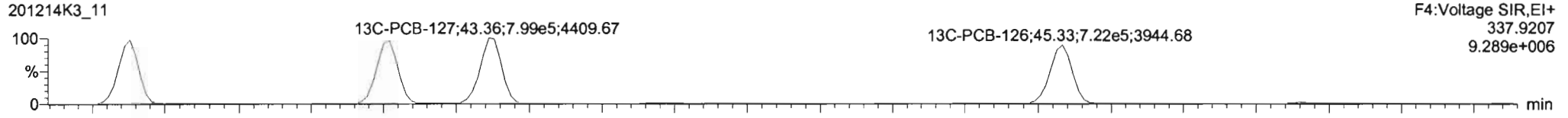
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

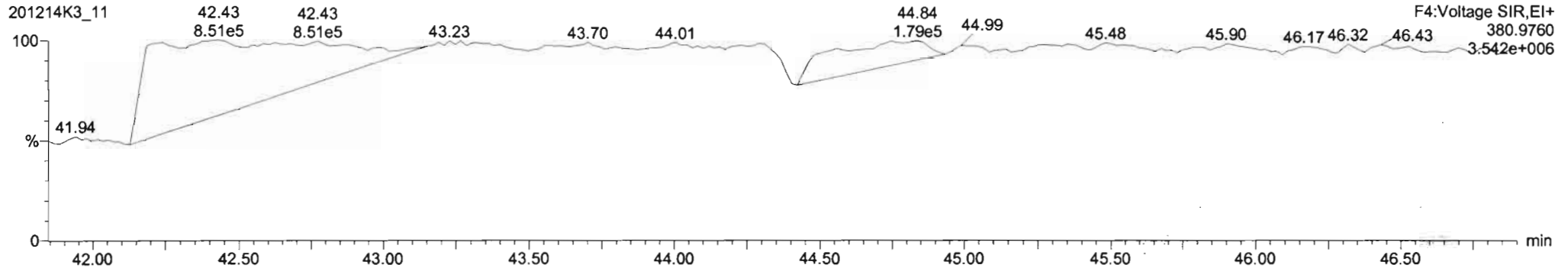
**PCB-114**

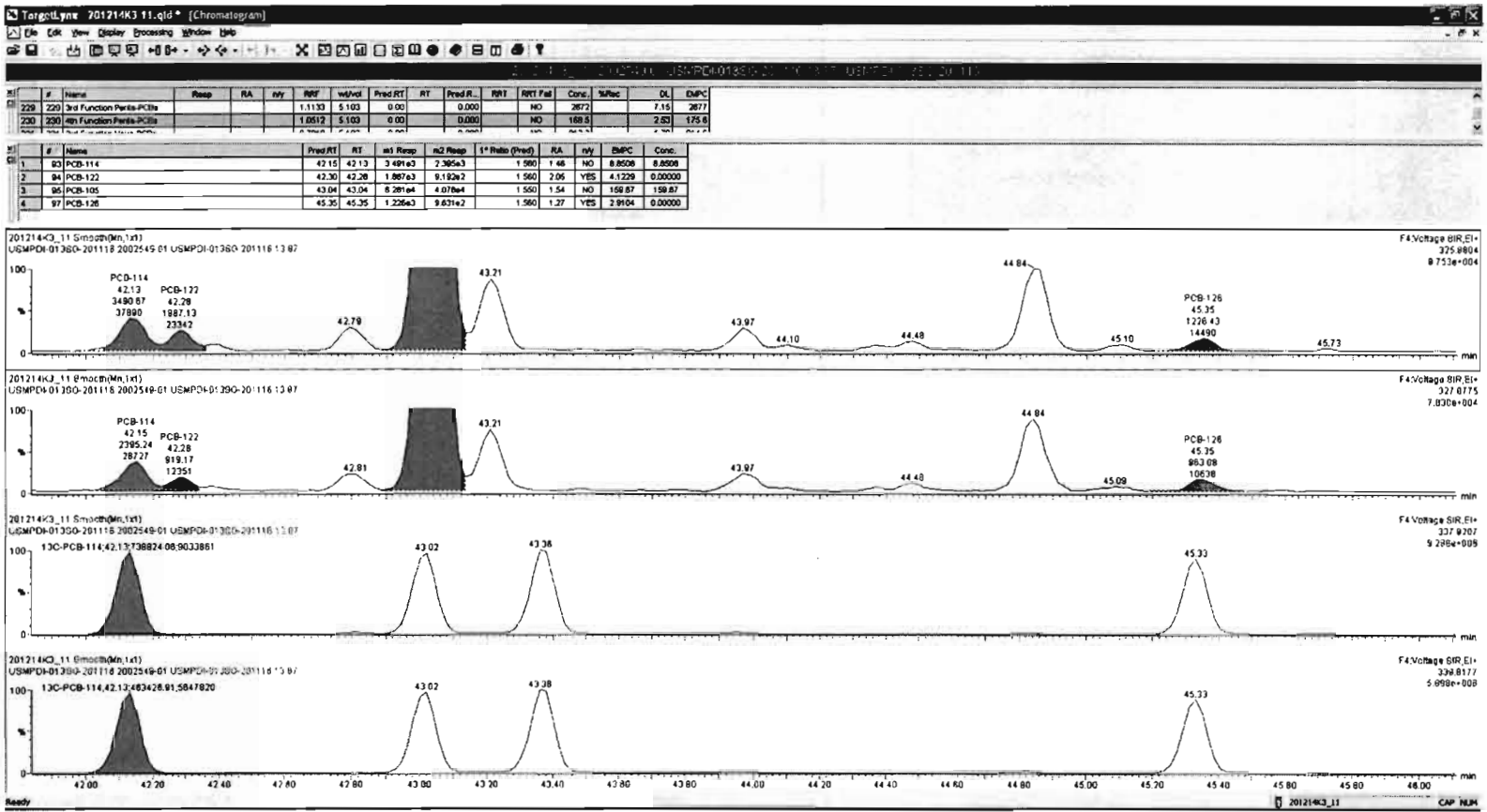


**13C-PCB-114**



**PFK4a**





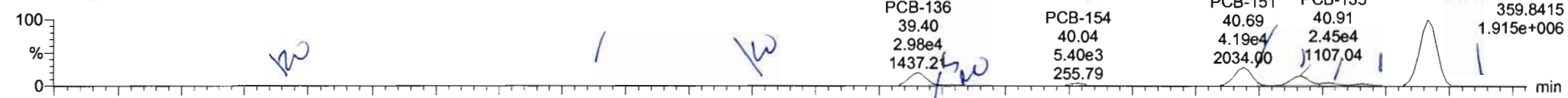
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

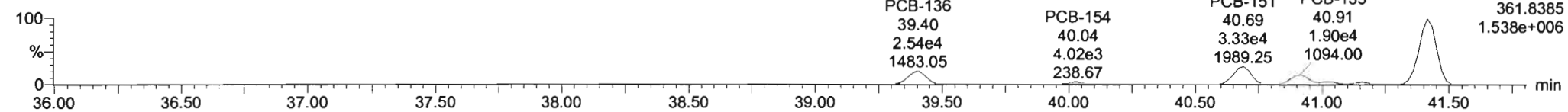
Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

**PCB-155**

201214K3\_11

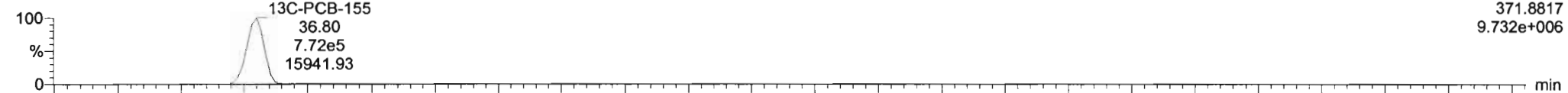


201214K3\_11

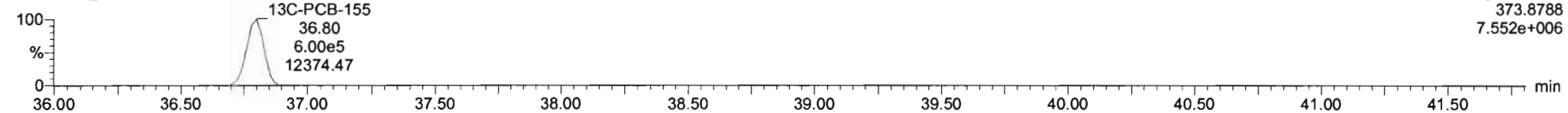


**13C-PCB-155**

201214K3\_11

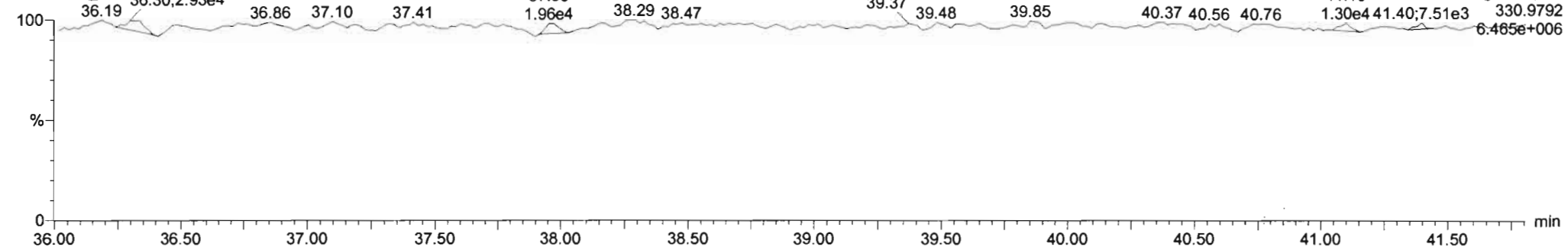


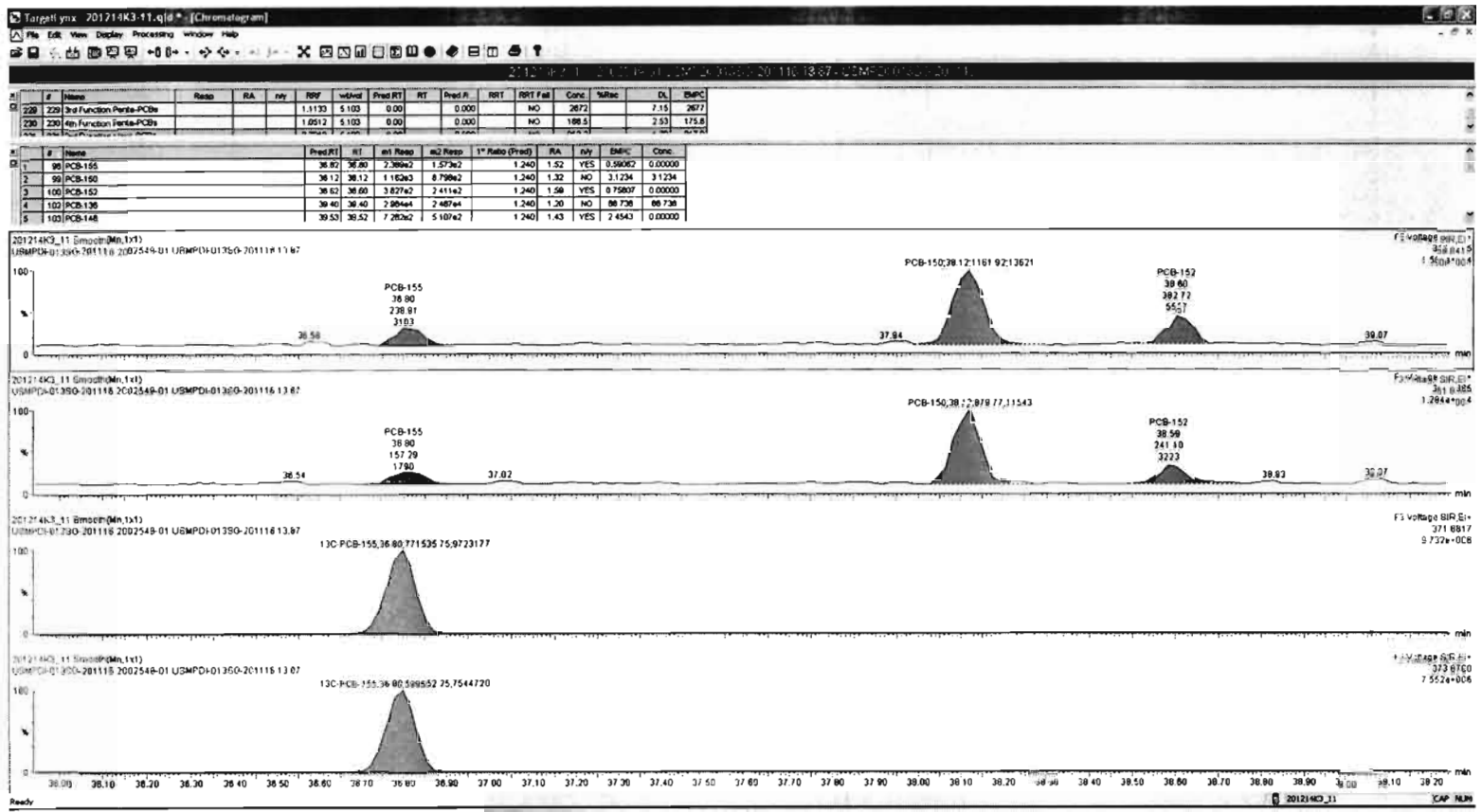
201214K3\_11



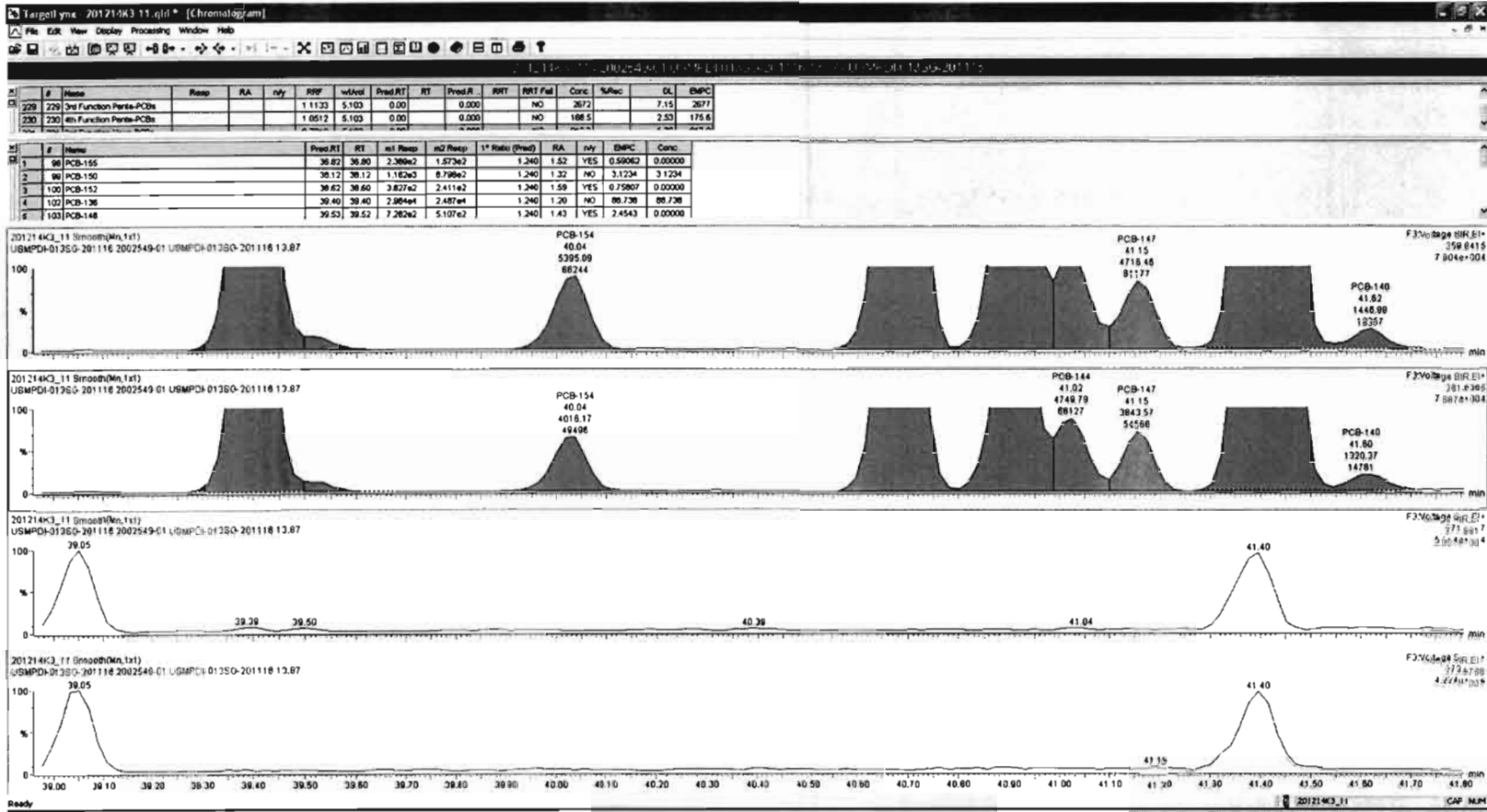
**PFK3c**

201214K3\_11









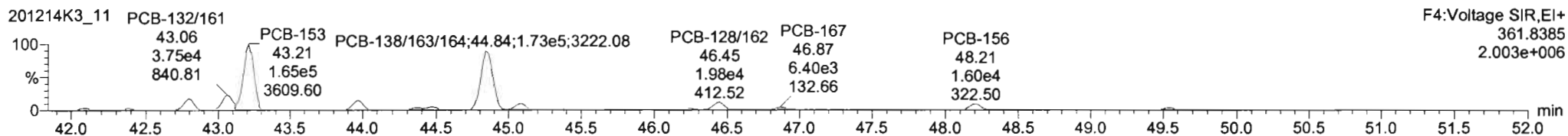
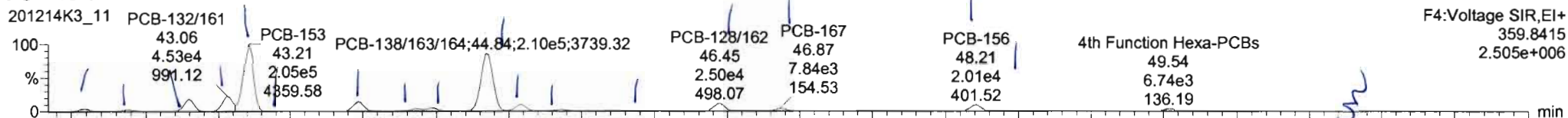
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time

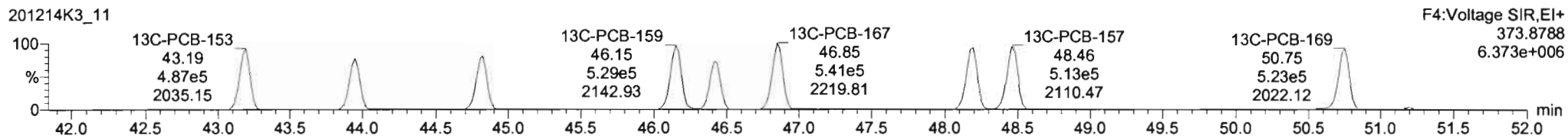
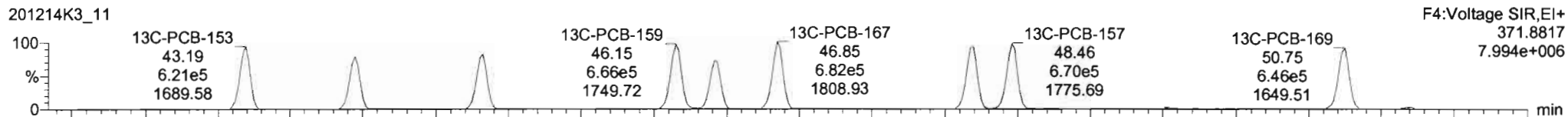
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

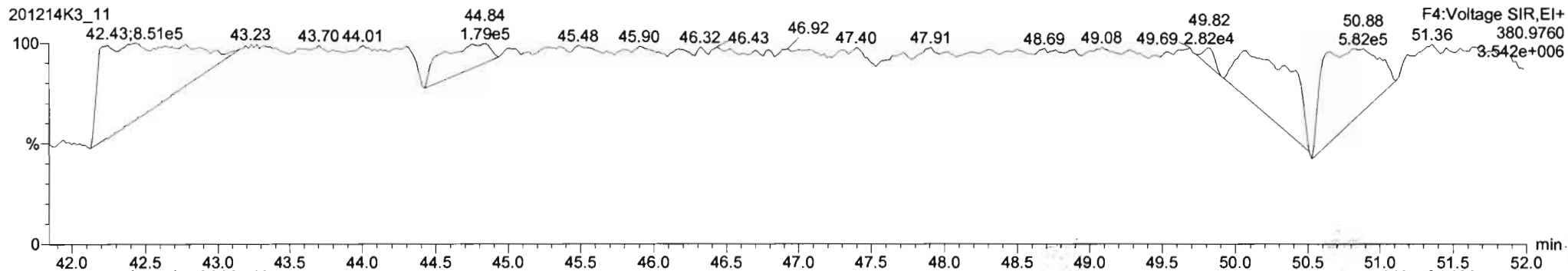
### PCB-134/143



### 13C-PCB-153

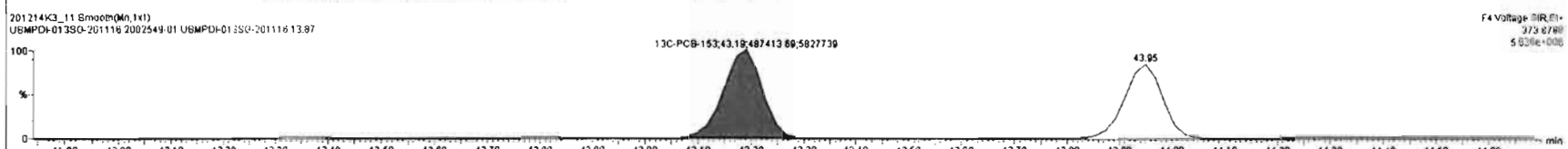
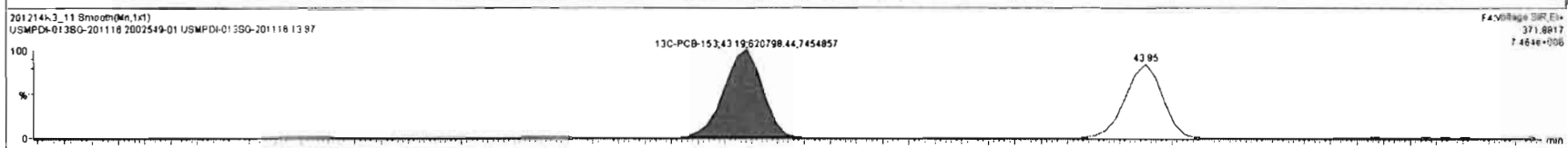
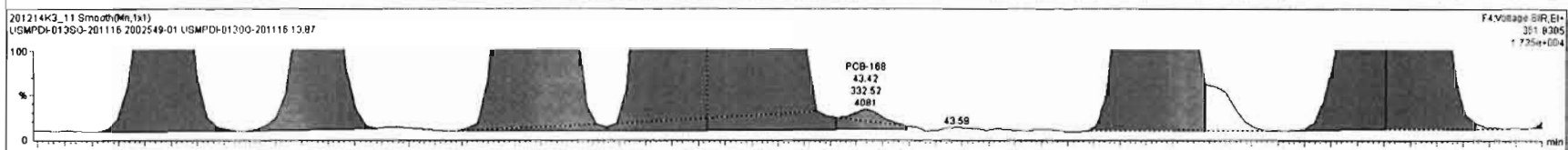
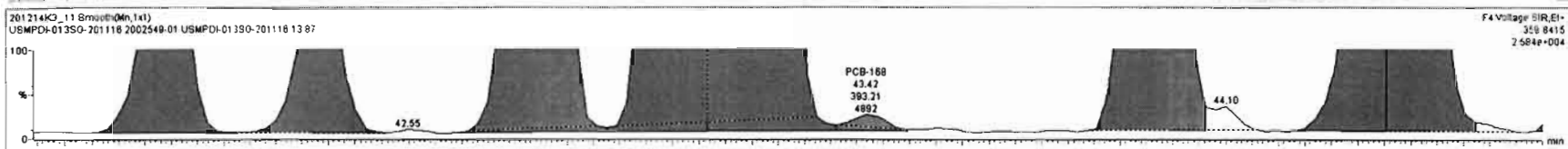


### PFK4b



#	Name	Resp	RA	n/y	RRF	wAveI	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9455	5.103	0.00	0.000			NO	2108		7.44	2108
233	233 Total Hepta-PCBs				1.2043	5.103	0.00	0.000			NO	1715		12.4	1730

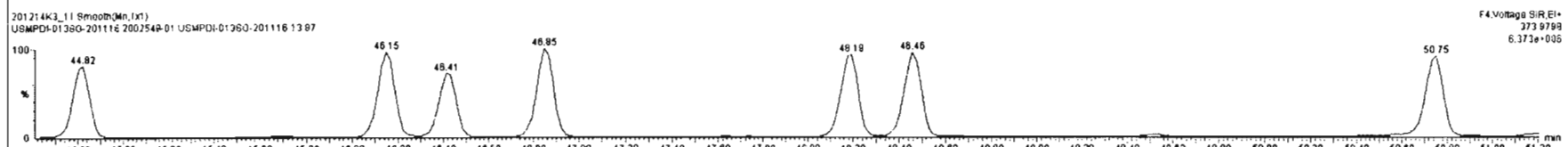
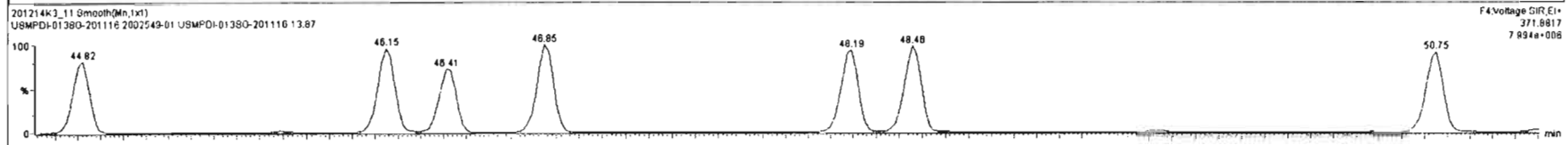
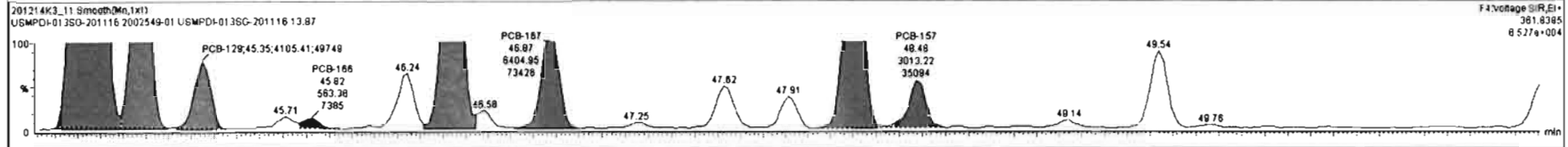
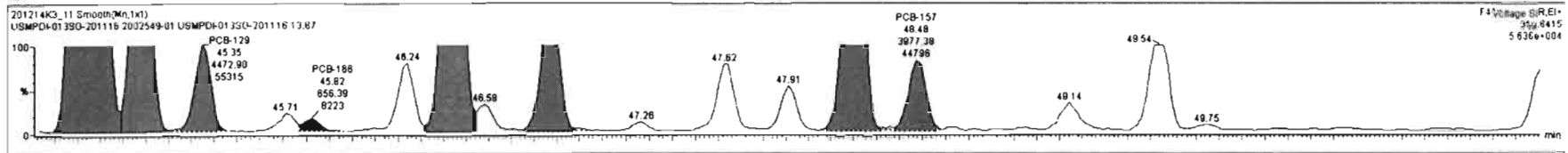
#	Name	Pred RT	RT	Int Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.07	42.00	7.326e3	5.538e3	1.240	1.30	NO	31.944	31.944
2	112 PCB-131/133	42.40	42.38	4.930e3	3.921e3	1.240	1.26	NO	20.389	20.389
3	114 PCB-146/165	42.78	42.79	3.830e4	2.858e4	1.240	1.27	NO	121.60	121.60
4	115 PCB-132/151	43.04	43.06	4.587e4	3.784e4	1.240	1.21	NO	154.29	154.29
5	116 PCB-153	43.23	43.21	2.058e5	1.659e5	1.240	1.24	NO	663.79	663.79



201214K3\_11 - 2002549-01 USMPDI-01350-201116 13.87 - USMPDI-01350-201116

#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	232 All Function Hexa-PCBs				0.9455	5.103	0.00		0.000		NO	2108		7.44	2108
233	233 Total Hepta-PCBs				1.2043	5.103	0.00		0.000		NO	1715		12.4	1730

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	111 PCB-134/n43	42.07	42.09	7.326e3	5.639e3	1.240	1.30	NO	31.944	31.944
2	112 PCB-131/n33	42.40	42.38	4.930e3	3.921e3	1.240	1.26	NO	20.389	20.389
3	114 PCB-146/n65	42.79	42.79	3.630e4	2.855e4	1.240	1.27	NO	121.80	121.80
4	115 PCB-132/n61	43.04	43.06	4.587e4	3.784e4	1.240	1.21	NO	154.29	154.29
5	116 PCB-153	43.23	43.21	2.058e5	1.859e5	1.240	1.24	NO	863.79	863.79

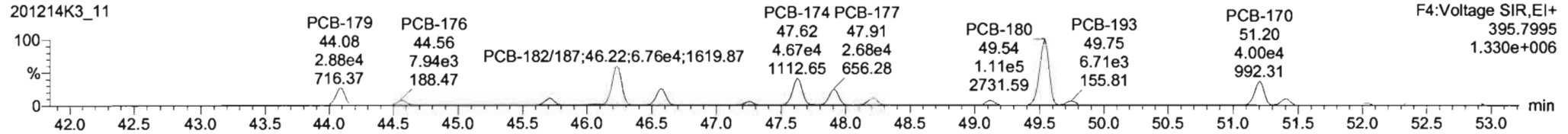
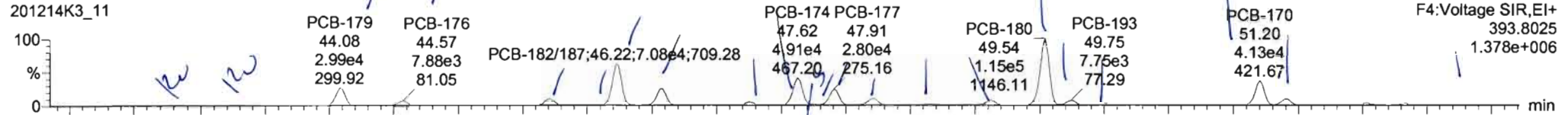


Dataset: Untitled

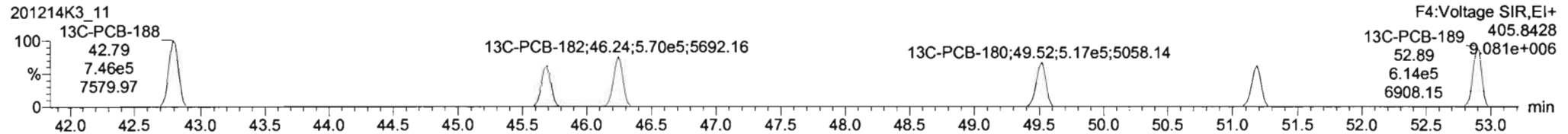
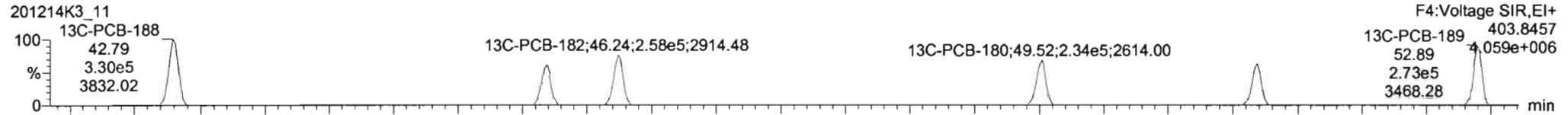
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

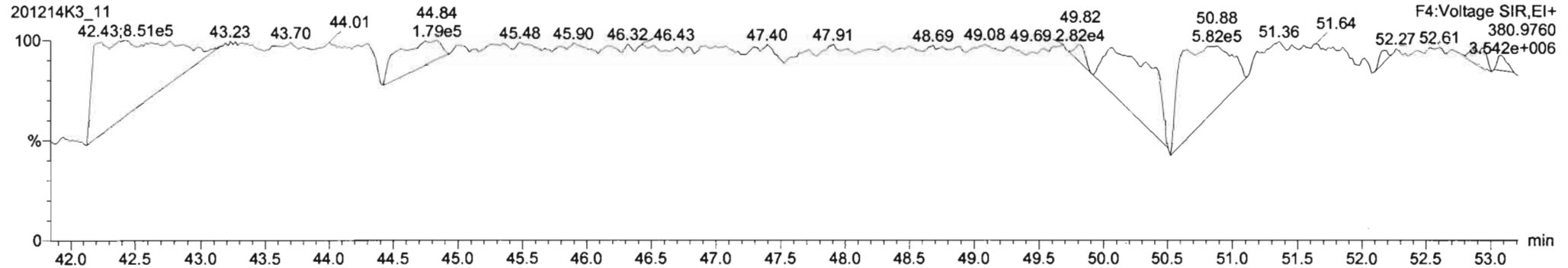
**PCB-188**



**13C-PCB-188**

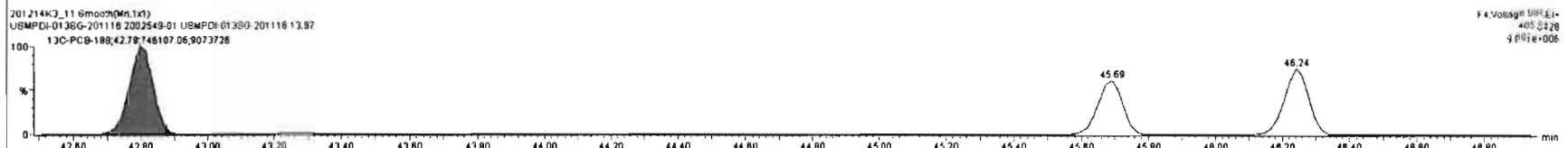
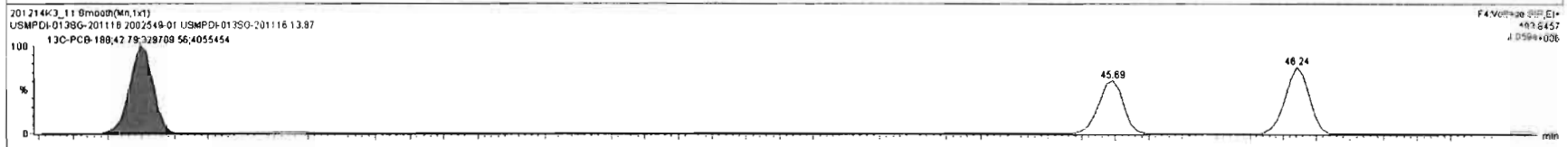
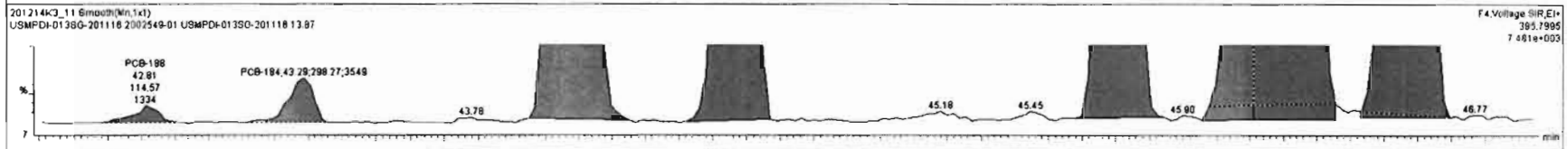
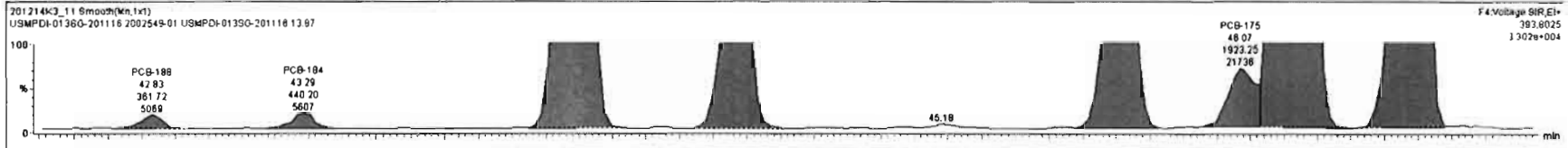


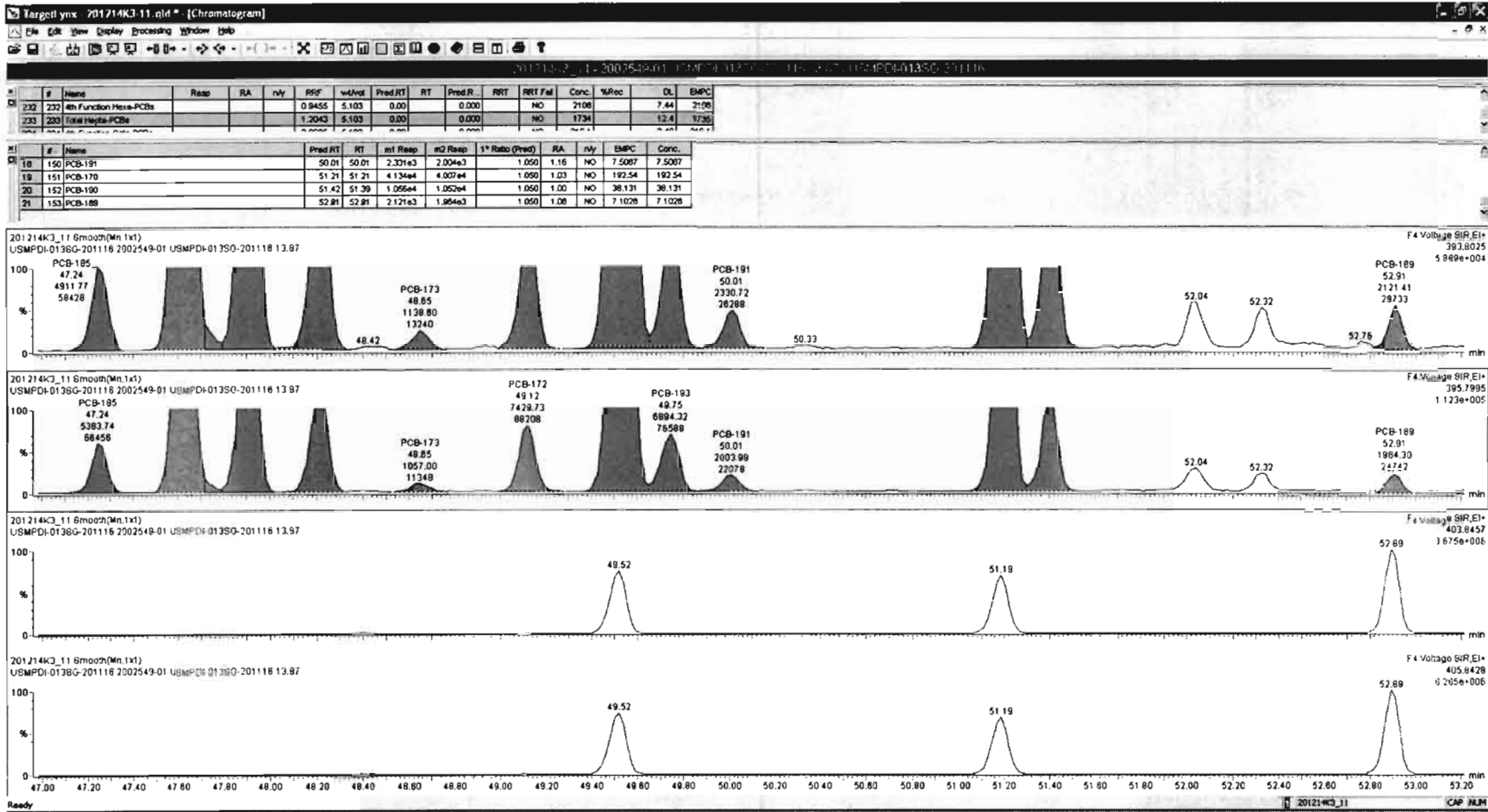
**PFK4c**



#	Name	Resp	RA	nV	RRF	wVol	Prod RT	RT	Prod.R	RRT	RRT Fat	Conc	%Rec	DL	EMPC
232	232 4th Function Hexa-PCBs				0.9455	5.103	0.00		0.000		NO	2108		7.44	2108
233	233 Total Hepta-PCBs				1.3043	5.103	0.00		0.000		NO	1734		12.4	1735

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nV	EMPC	Conc
1	131 PCB-188	42.83	42.83	3.817e2	1.146e2	1.050	3.16	YES	0.37206	0.00000
2	132 PCB-184	43.28	43.29	4.402e2	2.983e2	1.050	1.48	YES	0.97710	0.00000
3	133 PCB-178	44.08	44.08	2.982e4	2.879e4	1.050	1.04	NO	89.531	98.531
4	134 PCB-178	44.55	44.57	7.875e3	7.845e3	1.050	0.98	NO	25.882	25.882
5	136 PCB-178	45.71	45.71	1.109e4	1.114e4	1.050	1.00	NO	48.779	48.779



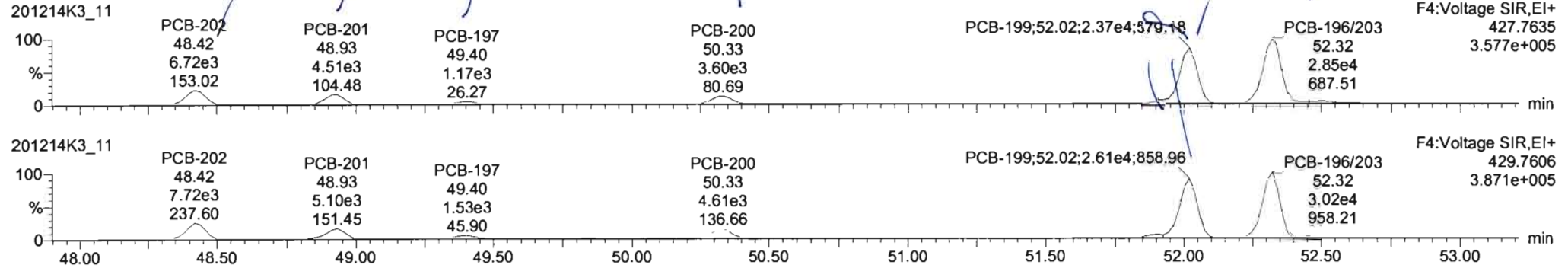


Dataset: Untitled

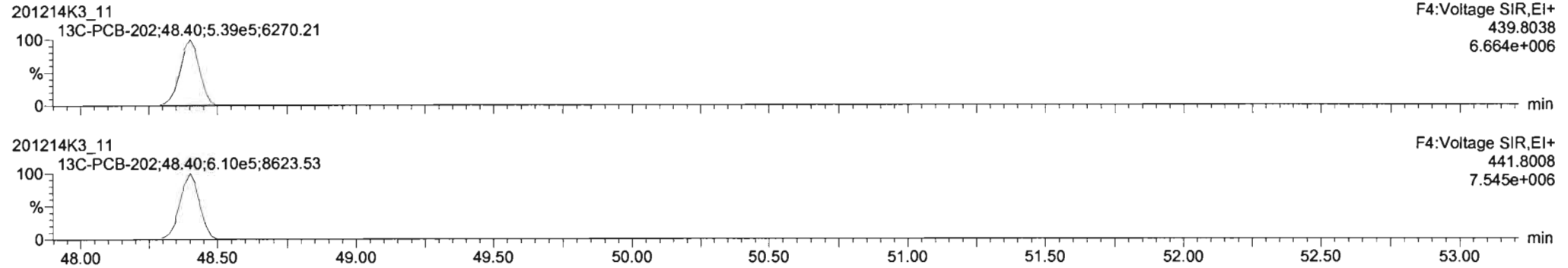
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

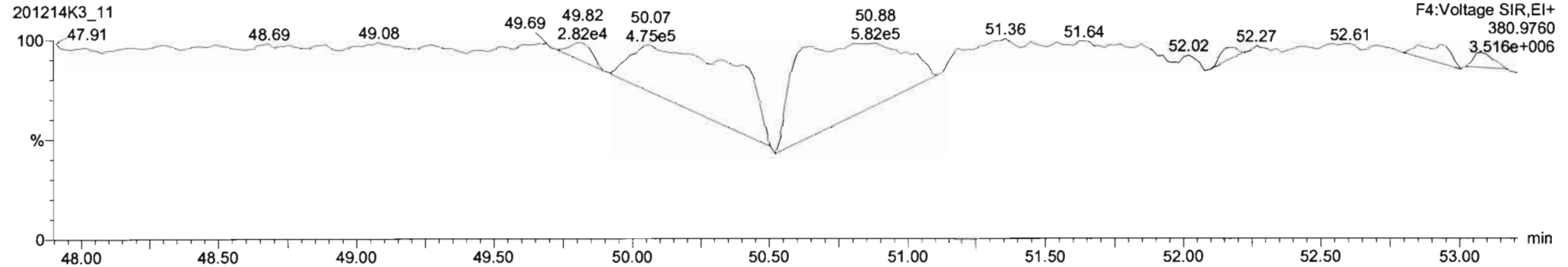
**PCB-202**



**13C-PCB-202**



**PFK4d**

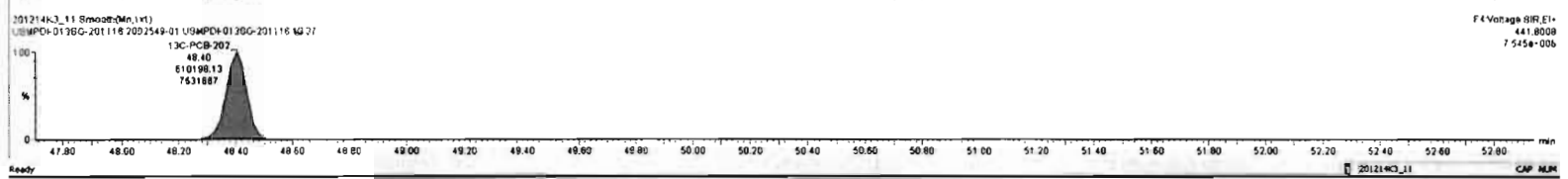
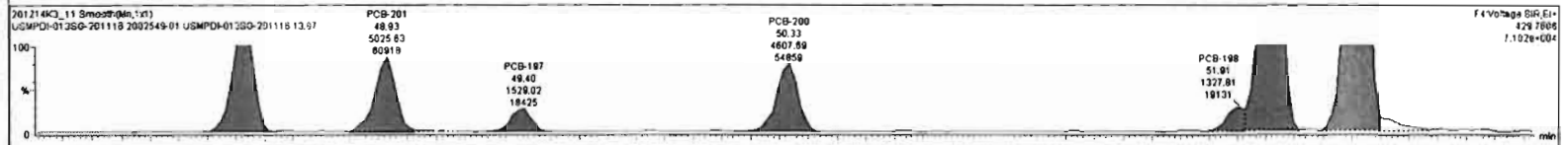
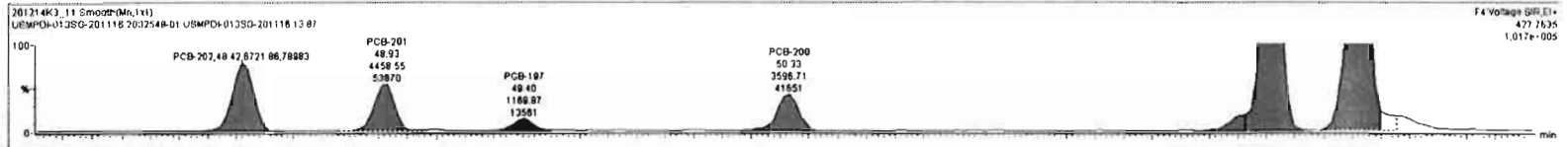




#	Name	Resp	RA	nly	RT	ntotal	Pred.RT	RT	Pred.R	RT	NRT Fail	Conc	SI/nc	DL	SI/nc
234	234 4th Function Octa-PCBs				0.8038	8.103	0.00	0.000			NO	315.8		2.40	315.8
235	235 5th Function Octa-PCBs				1.0857	5.103	0.00	0.000			NO	150.2		1.45	150.2

#	Name	Pred.RT	RT	nt Resp	nt Resp	1* Ratio (Pred)	RA	nly	SI/nc	Conc
4	158 PCB-200	50.31	50.33	3.597e3	4.609e3	0.8001	0.78	NO	15.350	15.350
5	158 PCB-198	51.87	51.92	1.170e3	1.326e3	0.890	0.86	NO	6.1204	6.1204
6	160 PCB-199	52.00	52.02	2.273e4	2.626e4	0.860	0.87	NO	118.32	118.32
7	161 PCB-196/203	52.30	52.32	2.749e4	2.934e4	0.890	0.94	NO	128.43	128.43

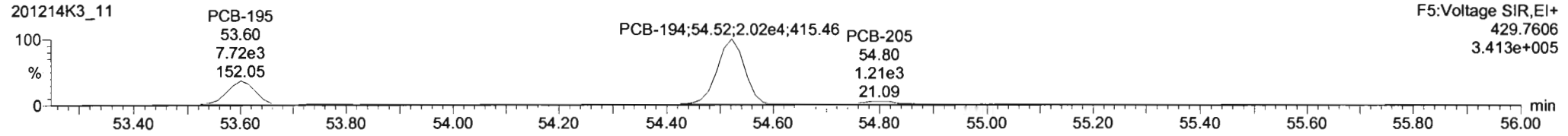
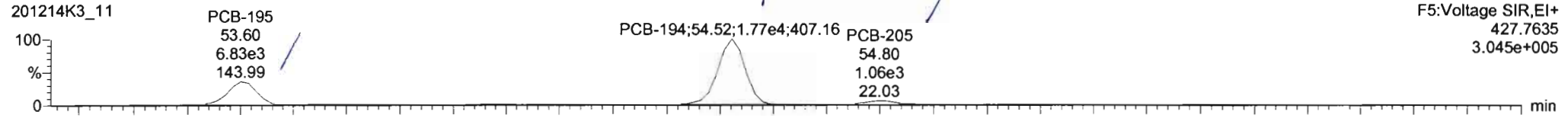


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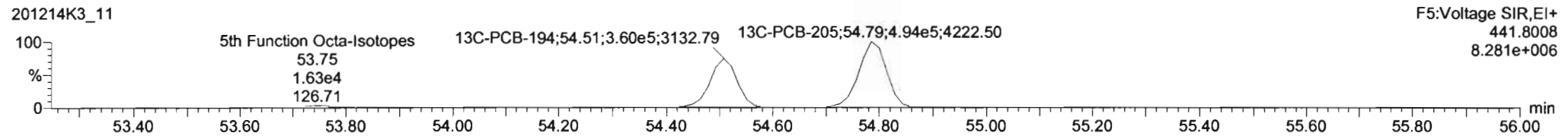
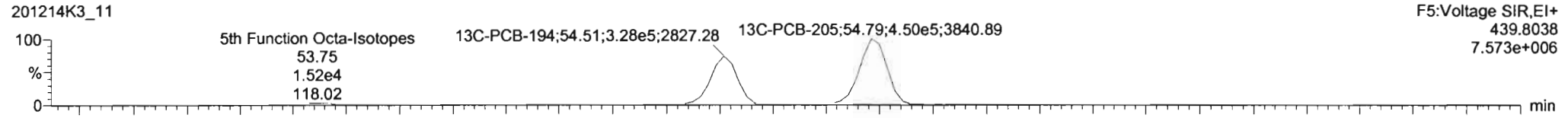
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

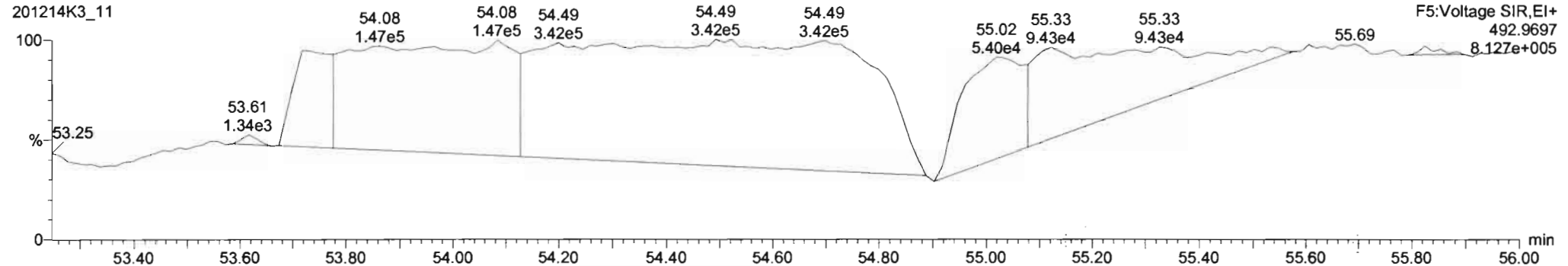
**PCB-195**



**13C-PCB-194**



**PFK5a**

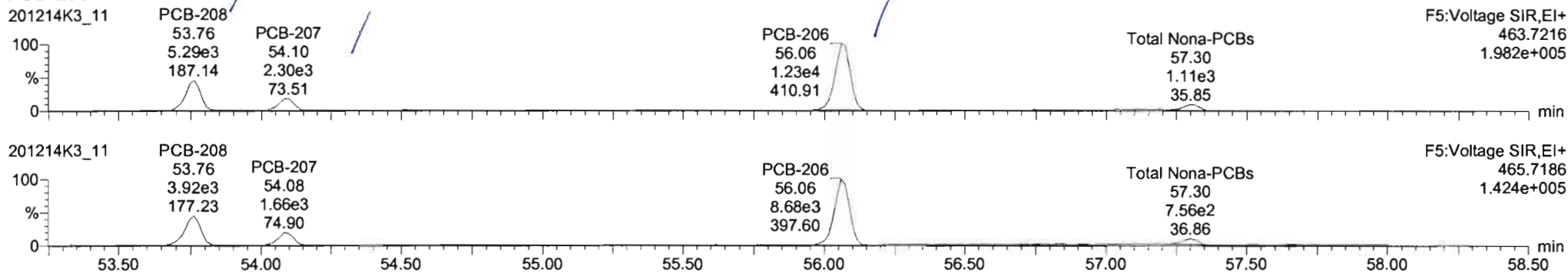


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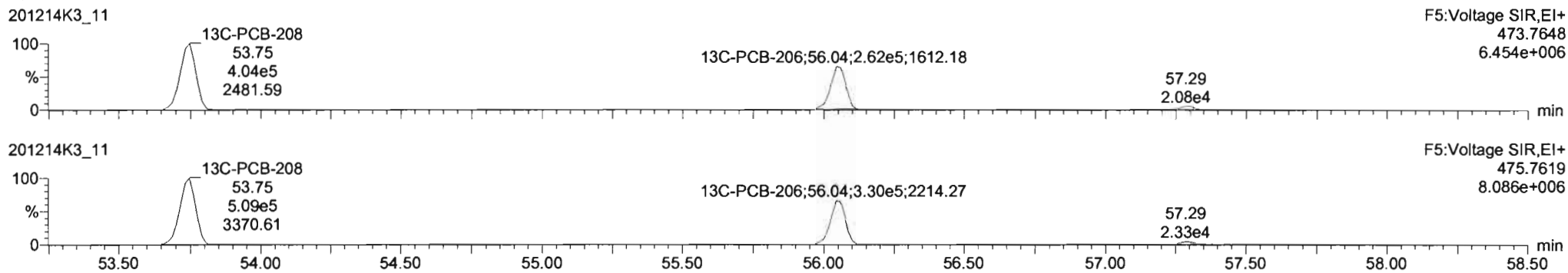
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Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

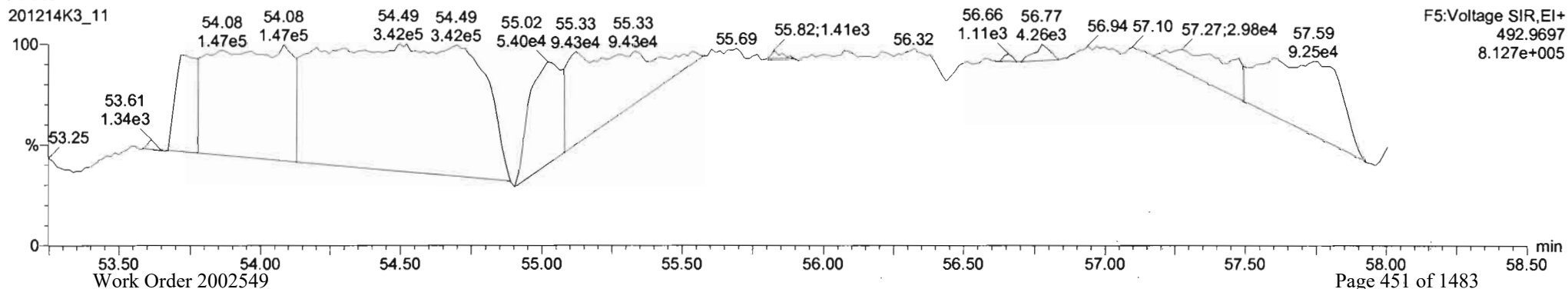
**PCB-208**



**13C-PCB-208**



**PFK5**



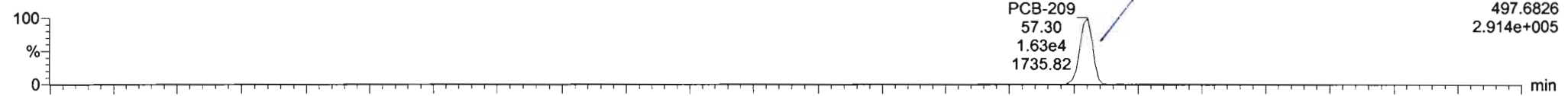
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Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

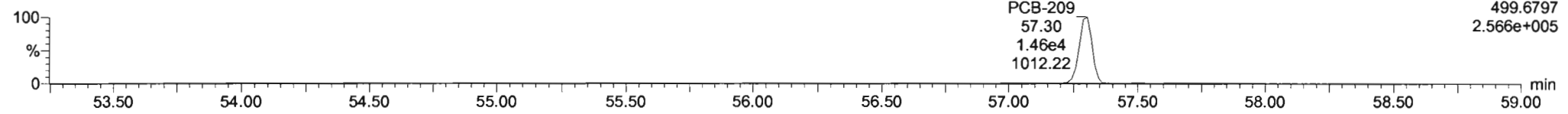
Name: 201214K3\_11, Date: 15-Dec-2020, Time: 12:32:07, ID: 2002549-01 USMPDI-013SG-201116 13.87, Description: USMPDI-013SG-201116

**PCB-209**

201214K3\_11

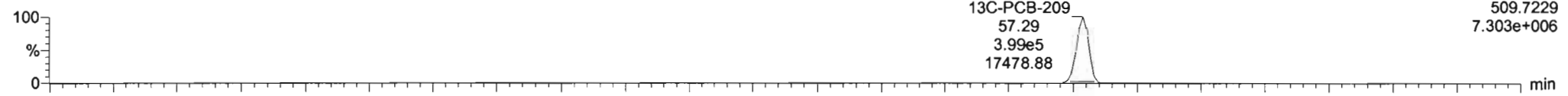


201214K3\_11

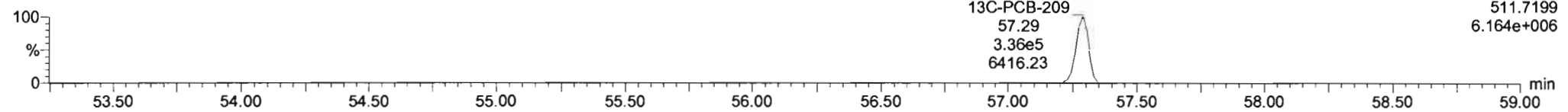


**13C-PCB-209**

201214K3\_11

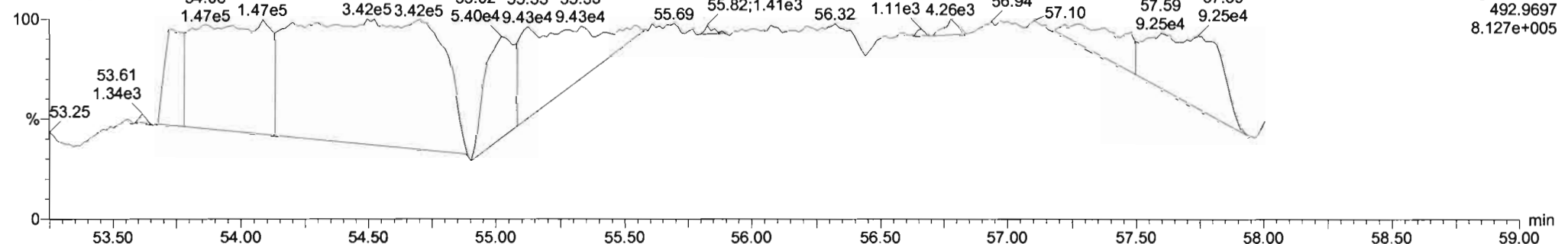


201214K3\_11



**PFK5b**

201214K3\_11



Dataset: U:\VG11.PRO\Results\201214K3\201214K3-12.qld

Last Altered: Thursday, December 17, 2020 08:29:56 Pacific Standard Time  
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*DF 12/17/20*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
 Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

*ML  
12/18/20*

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	9.59e3	2.90	NO	0.986	5.414	15.44	15.45	1.001	1.001	NO	7.766		0.225	7.766
2	2 PCB-2	1.92e4	2.99	NO	1.02	5.414	17.87	17.86	0.988	0.988	NO	14.53		0.183	14.53
3	3 PCB-3	9.25e3	3.49	NO	1.00	5.414	18.09	18.09	1.001	1.001	NO	7.152		0.186	7.152
4	4 PCB-4/10	1.89e4	1.66	NO	1.21	5.414	19.48	19.42	1.004	1.001	NO	21.62		1.23	21.62
5	5 PCB-7/9			NO	0.939	5.414	21.26		1.003		YES			0.989	
6	6 PCB-6	1.05e4	1.58	NO	0.996	5.414	21.90	21.90	1.033	1.033	NO	8.689		0.932	8.689
7	7 PCB-5/8	4.79e4	1.63	NO	0.976	5.414	22.31	22.31	1.052	1.052	NO	40.60		0.952	40.60
8	8 PCB-14			NO	1.02	5.414	23.45		0.951		YES			0.946	
9	9 PCB-11	1.01e5	1.52	NO	1.12	5.414	24.67	24.67	1.001	1.001	NO	73.58		0.868	73.58
10	10 PCB-12/13	6.52e3	1.58	NO	1.02	5.414	25.10	25.04	1.018	1.016	NO	5.220		0.951	5.220
11	11 PCB-15	4.45e4	1.61	NO	1.02	5.414	25.38	25.38	1.030	1.030	NO	35.70		0.953	35.70
12	12 PCB-19	1.45e4	1.04	NO	0.972	5.414	23.64	23.63	1.001	1.001	NO	22.58		0.336	22.58
13	13 PCB-30			NO	1.54	5.414	24.55		1.040		YES			0.212	
14	14 PCB-18	4.46e4	1.06	NO	0.719	5.414	25.31	25.30	0.952	0.951	NO	61.41		0.288	61.41
15	15 PCB-17	2.23e4	0.99	NO	0.672	5.414	25.48	25.48	0.958	0.958	NO	32.91		0.309	32.91
16	16 PCB-24/27	6.89e3	1.03	NO	0.932	5.414	26.06	26.05	0.980	0.980	NO	7.316		0.222	7.316
17	17 PCB-16/32	3.74e4	1.00	NO	0.824	5.414	26.61	26.60	1.001	1.000	NO	44.98		0.251	44.98
18	18 PCB-34	1.65e3	1.25	YES	0.878	5.414	27.40	27.42	0.958	0.959	NO	1.714		0.388	1.554
19	19 PCB-23			NO	0.892	5.414	27.50		0.962		YES			0.381	
20	20 PCB-29			NO	0.861	5.414	27.76		0.971		YES			0.395	
21	21 PCB-26	2.24e4	1.09	NO	0.915	5.414	27.99	27.98	0.979	0.978	NO	22.38		0.372	22.38
22	22 PCB-25	1.41e4	1.05	NO	0.915	5.414	28.15	28.15	0.984	0.984	NO	14.11		0.372	14.11
23	23 PCB-31	1.07e5	1.08	NO	1.03	5.414	28.51	28.50	0.997	0.997	NO	94.77		0.330	94.77
24	24 PCB-28	1.36e5	1.07	NO	1.01	5.414	28.61	28.61	1.001	1.001	NO	123.0		0.335	123.0
25	25 PCB-20/21/33	6.18e4	1.06	NO	0.913	5.414	29.25	29.26	1.023	1.023	NO	61.96		0.373	61.96
26	26 PCB-22	3.80e4	1.00	NO	0.948	5.414	29.69	29.71	1.038	1.039	NO	36.69		0.359	36.69
27	27 PCB-36			NO	1.07	5.414	30.36		0.932		YES			0.338	
28	28 PCB-39	1.00e3	1.24	YES	1.00	5.414	30.84	30.83	0.946	0.946	NO	0.9678		0.360	0.8808
29	29 PCB-38	3.44e3	1.08	NO	1.05	5.414	31.63	31.65	0.970	0.971	NO	3.170		0.344	3.170
30	30 PCB-35	3.03e3	1.15	NO	1.05	5.414	32.17	32.19	0.987	0.987	NO	2.803		0.345	2.803
31	31 PCB-37	4.79e4	1.01	NO	1.03	5.414	32.61	32.61	1.001	1.001	NO	45.10		0.351	45.10

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-12.qld

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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	4.25e3	0.84	NO	0.974	5.414	27.46	27.46	1.001	1.001	NO	5.227		0.230	5.227
33	33 PCB-50	7.95e2	0.68	NO	0.803	5.414	28.66	28.67	1.044	1.045	NO	1.188		0.280	1.188
34	34 PCB-53	2.13e4	0.82	NO	0.939	5.414	29.32	29.32	0.943	0.943	NO	31.89		0.287	31.89
35	35 PCB-51	1.78e4	0.77	NO	1.00	5.414	29.68	29.67	0.955	0.955	NO	24.94		0.270	24.94
36	36 PCB-45	1.03e4	0.75	NO	0.802	5.414	30.13	30.12	0.969	0.969	NO	18.06		0.336	18.06
37	37 PCB-46	5.29e3	0.66	NO	0.770	5.414	30.63	30.62	0.985	0.985	NO	9.641		0.350	9.641
38	38 PCB-52/69	1.78e5	0.76	NO	1.08	5.414	31.12	31.11	1.001	1.001	NO	230.7		0.249	230.7
39	39 PCB-73			NO	1.31	5.414	31.24		1.005		YES			0.206	
40	40 PCB-43/49	1.13e5	0.74	NO	0.925	5.414	31.41	31.42	1.010	1.011	NO	172.2		0.292	172.2
41	41 PCB-47	7.05e4	0.78	NO	0.863	5.414	31.65	31.65	1.001	1.001	NO	110.9		0.330	110.9
42	42 PCB-48/75	1.94e4	0.78	NO	1.04	5.414	31.78	31.77	1.005	1.005	NO	25.37		0.274	25.37
43	43 PCB-65			NO	1.16	5.414	32.06		1.014		YES			0.245	
44	44 PCB-62			NO	1.04	5.414	32.15		1.016		YES			0.274	
45	45 PCB-44	8.76e4	0.77	NO	0.757	5.414	32.48	32.46	1.027	1.026	NO	156.9		0.375	156.9
46	46 PCB-42/59	3.54e4	0.72	NO	0.975	5.414	32.71	32.69	1.034	1.034	NO	49.29		0.292	49.29
47	47 PCB-41/64/71/72	1.19e5	0.76	NO	1.12	5.414	33.31	33.28	1.053	1.052	NO	144.1		0.255	144.1
48	48 PCB-68	3.22e3	0.68	NO	1.19	5.414	33.58	33.54	1.062	1.061	NO	3.667		0.239	3.667
49	49 PCB-40	1.18e4	0.74	NO	0.572	5.414	33.81	33.77	1.069	1.068	NO	27.94		0.497	27.94
50	50 PCB-57	1.35e3	0.73	NO	1.08	5.414	34.14	34.14	0.969	0.969	NO	1.392		0.211	1.392
51	51 PCB-67	4.58e3	0.69	NO	1.02	5.414	34.45	34.46	0.978	0.978	NO	5.003		0.224	5.003
52	52 PCB-58	1.04e3	0.63	YES	1.08	5.414	34.57	34.57	0.981	0.981	NO	1.063		0.210	0.9482
53	53 PCB-63	6.81e3	0.75	NO	0.971	5.414	34.74	34.73	0.986	0.986	NO	7.788		0.234	7.788
54	54 PCB-74	8.32e4	0.77	NO	1.09	5.414	35.04	35.03	0.994	0.994	NO	84.94		0.209	84.94
55	55 PCB-61/70	2.12e5	0.76	NO	0.978	5.414	35.25	35.26	1.000	1.001	NO	240.3		0.232	240.3
56	56 PCB-76/66	1.77e5	0.75	NO	1.07	5.414	35.43	35.46	1.005	1.006	NO	183.9		0.212	183.9
57	57 PCB-80			NO	1.08	5.414	35.69		1.001		YES			0.192	
58	58 PCB-55	3.41e3	0.73	NO	1.06	5.414	36.02	35.98	1.010	1.009	NO	3.374		0.194	3.374
59	59 PCB-56/60	9.32e4	0.75	NO	0.946	5.414	36.53	36.52	1.024	1.024	NO	103.8		0.219	103.8
60	60 PCB-79	5.85e3	0.82	NO	1.06	5.414	37.63	37.64	1.055	1.055	NO	5.820		0.195	5.820
61	61 PCB-78	1.13e3	0.91	YES	1.01	5.414	38.34	38.29	0.987	0.985	NO	1.195		0.219	1.105
62	62 PCB-81			NO	0.941	5.414	38.88		1.000		YES			0.234	
63	63 PCB-77	2.12e4	0.77	NO	1.03	5.414	39.50	39.50	1.000	1.000	NO	23.09		0.226	23.09
64	64 PCB-104	9.39e2	1.37	NO	0.982	5.414	32.32	32.31	1.001	1.001	NO	1.124		0.235	1.124
65	65 PCB-96	3.69e3	1.65	NO	0.982	5.414	33.61	33.58	1.041	1.040	NO	4.414		0.235	4.414

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-12.qld

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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	7.27e3	1.70	NO	0.770	5.414	34.17	34.16	1.058	1.058	NO	11.10		0.300	11.10
67	67 PCB-100	7.47e3	1.44	NO	0.805	5.414	34.54	34.53	1.070	1.069	NO	10.91		0.287	10.91
68	68 PCB-94	2.64e3	1.37	NO	0.831	5.414	34.99	35.01	0.985	0.985	NO	4.924		0.377	4.924
69	69 PCB-95/98/102	1.97e5	1.60	NO	1.07	5.414	35.49	35.55	0.999	1.001	NO	284.5		0.293	284.5
70	70 PCB-93			NO	0.761	5.414	35.63		1.003		YES			0.411	
71	71 PCB-88/91	4.08e4	1.50	NO	0.910	5.414	35.96	35.98	1.012	1.013	NO	69.44		0.344	69.44
72	72 PCB-121			NO	1.46	5.414	36.07		1.015		YES			0.214	
73	73 PCB-84/92	1.01e5	1.55	NO	0.826	5.414	36.91	36.91	0.990	0.990	NO	171.2		0.344	171.2
74	74 PCB-89	1.63e3	1.54	NO	0.885	5.414	37.09	37.10	0.995	0.995	NO	2.572		0.321	2.572
75	75 PCB-90/101	2.99e5	1.55	NO	0.905	5.414	37.30	37.30	1.000	1.000	NO	461.5		0.314	461.5
76	76 PCB-113			NO	1.26	5.414	37.54		1.007		YES			0.226	
77	77 PCB-99	1.38e5	1.52	NO	0.993	5.414	37.64	37.64	1.010	1.009	NO	194.1		0.286	194.1
78	78 PCB-119	1.35e4	1.69	NO	1.53	5.414	38.12	38.12	0.987	0.987	NO	14.75		0.227	14.75
79	79 PCB-108/112	1.17e4	1.49	NO	1.25	5.414	38.28	38.29	0.991	0.991	NO	15.73		0.279	15.73
80	80 PCB-83			NO	1.56	5.414	38.44		0.995		YES			0.223	
81	81 PCB-97	6.58e4	1.52	NO	1.12	5.414	38.64	38.64	1.000	1.000	NO	98.29		0.310	98.29
82	82 PCB-86	8.46e2	1.23	YES	1.06	5.414	38.79	38.83	1.004	1.005	NO	1.341		0.329	1.212
83	83 PCB-87/117/125	9.74e4	1.58	NO	1.34	5.414	38.93	38.94	1.008	1.008	NO	122.0		0.260	122.0
84	84 PCB-111/115	5.83e3	1.67	NO	1.62	5.414	39.09	39.13	1.012	1.013	NO	6.052		0.215	6.052
85	85 PCB-85/116	4.23e4	1.67	NO	1.23	5.414	39.21	39.20	1.015	1.015	NO	57.63		0.282	57.63
86	86 PCB-120	2.48e3	1.95	YES	1.79	5.414	39.48	39.50	1.022	1.023	NO	2.324		0.194	2.018
87	87 PCB-110	3.65e5	1.55	NO	1.50	5.414	39.63	39.61	1.026	1.026	NO	408.9		0.232	408.9
88	88 PCB-82	2.00e4	1.55	NO	0.638	5.414	40.27	40.26	0.976	0.976	NO	36.28		0.392	36.28
89	89 PCB-124	1.36e4	1.61	NO	1.08	5.414	40.98	40.97	0.993	0.993	NO	14.61		0.232	14.61
90	90 PCB-107/109	2.82e4	1.46	NO	1.11	5.414	41.12	41.14	0.996	0.997	NO	29.38		0.226	29.38
91	91 PCB-123	5.30e3	1.40	NO	1.00	5.414	41.29	41.30	1.000	1.001	NO	6.118		0.250	6.118
92	92 PCB-106/118	3.30e5	1.58	NO	1.02	5.414	41.51	41.49	1.001	1.000	NO	369.1		0.245	369.1
93	93 PCB-114	6.70e3	1.50	NO	1.08	5.414	42.15	42.17	1.000	1.001	NO	8.967		0.416	8.967
94	94 PCB-122	3.12e3	1.83	YES	0.930	5.414	42.30	42.30	1.004	1.004	NO	4.872		0.484	4.403
95	95 PCB-105	1.03e5	1.51	NO	1.03	5.414	43.04	43.04	1.000	1.000	NO	140.2		0.436	140.2
96	96 PCB-127			NO	1.06	5.414	43.40		1.000		YES			0.399	
97	97 PCB-126	3.16e3	1.42	NO	1.15	5.414	45.35	45.37	1.000	1.001	NO	4.021		0.415	4.021
98	98 PCB-155	4.42e2	1.76	YES	0.853	5.414	36.82	36.84	1.000	1.001	NO	0.6472		0.128	0.5248
99	99 PCB-150	1.93e3	1.35	NO	0.934	5.414	38.12	38.12	1.036	1.036	NO	2.586		0.116	2.586

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-12.qld

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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	1... PCB-152	7.02e2	1.15	NO	1.02	5.414	38.62	38.60	1.049	1.049	NO	0.8608		0.107	0.8608
101	1... PCB-145	1.95e2	0.90	YES	0.983	5.414	39.09	39.07	1.062	1.062	NO	0.2482		0.111	0.2122
102	1... PCB-136	5.86e4	1.33	NO	0.881	5.414	39.40	39.40	1.071	1.071	NO	83.03		0.123	83.03
103	1... PCB-148	1.36e3	1.50	YES	0.666	5.414	39.53	39.50	1.074	1.073	NO	2.552		0.163	2.286
104	1... PCB-154	8.70e3	1.25	NO	0.721	5.414	40.03	40.04	1.088	1.088	NO	15.08		0.151	15.08
105	1... PCB-151	7.79e4	1.23	NO	0.674	5.414	40.70	40.71	1.106	1.106	NO	144.4		0.161	144.4
106	1... PCB-135	4.22e4	1.16	NO	0.723	5.414	40.93	40.91	1.112	1.112	NO	72.90		0.150	72.90
107	1... PCB-144	1.31e4	1.11	NO	0.691	5.414	41.02	41.02	1.115	1.115	NO	23.69		0.157	23.69
108	1... PCB-147	8.74e3	1.38	NO	0.713	5.414	41.16	41.17	1.119	1.119	NO	15.32		0.153	15.32
109	1... PCB-139/149	2.85e5	1.27	NO	0.773	5.414	41.44	41.43	1.126	1.126	NO	460.7		0.141	460.7
110	1... PCB-140	2.28e3	1.29	NO	0.652	5.414	41.64	41.64	1.131	1.131	NO	4.369		0.167	4.369
111	1... PCB-134/143	1.27e4	1.19	NO	0.718	5.414	42.07	42.09	0.974	0.975	NO	28.00		0.427	28.00
112	1... PCB-131/133	8.73e3	1.24	NO	0.768	5.414	42.40	42.40	0.982	0.982	NO	17.94		0.399	17.94
113	1... PCB-142			NO	0.687	5.414	42.55		0.985		YES			0.446	
114	1... PCB-146/165	6.15e4	1.22	NO	0.943	5.414	42.79	42.81	0.991	0.991	NO	102.8		0.325	102.8
115	1... PCB-132/161	8.72e4	1.20	NO	0.957	5.414	43.04	43.08	0.997	0.997	NO	143.7		0.320	143.7
116	1... PCB-153	3.64e5	1.24	NO	0.990	5.414	43.23	43.21	1.001	1.000	NO	579.5		0.310	579.5
117	1... PCB-168	4.83e2	1.56	YES	1.03	5.414	43.44	43.44	1.006	1.006	NO	0.7366		0.296	0.6437
118	1... PCB-141	5.37e4	1.23	NO	0.948	5.414	43.97	43.99	1.000	1.001	NO	106.5		0.395	106.5
119	1... PCB-137	1.19e4	1.15	NO	0.964	5.414	44.34	44.38	1.009	1.010	NO	23.17		0.389	23.17
120	1... PCB-130	1.69e4	1.25	NO	0.816	5.414	44.46	44.48	1.012	1.012	NO	38.95		0.459	38.95
121	1... PCB-138/163/164	3.80e5	1.24	NO	1.15	5.414	44.88	44.86	1.001	1.001	NO	584.2		0.299	584.2
122	1... PCB-158/160	3.69e4	1.25	NO	1.14	5.414	45.12	45.08	1.007	1.006	NO	57.48		0.303	57.48
123	1... PCB-129	8.35e3	1.23	NO	0.807	5.414	45.37	45.37	1.012	1.012	NO	18.37		0.428	18.37
124	1... PCB-166	1.11e3	1.54	YES	1.03	5.414	45.85	45.84	0.993	0.993	NO	1.542		0.276	1.361
125	1... PCB-159	6.52e3	1.32	NO	1.10	5.414	46.18	46.24	1.000	1.002	NO	8.533		0.259	8.533
126	1... PCB-128/162	4.59e4	1.25	NO	0.836	5.414	46.48	46.45	1.007	1.006	NO	78.69		0.340	78.69
127	1... PCB-167	1.52e4	1.23	NO	0.960	5.414	46.89	46.88	1.000	1.000	NO	22.09		0.288	22.09
128	1... PCB-156	3.76e4	1.26	NO	1.06	5.414	48.21	48.21	1.000	1.000	NO	52.74		0.277	52.74
129	1... PCB-157	8.09e3	1.31	NO	0.960	5.414	48.48	48.50	1.000	1.001	NO	12.30		0.312	12.30
130	1... PCB-169	7.35e2	1.17	NO	1.04	5.414	50.77	50.75	1.000	1.000	NO	1.057		0.293	1.057
131	1... PCB-188	4.30e2	1.26	YES	1.15	5.414	42.85	42.85	1.001	1.001	NO	0.6077		0.249	0.5506
132	1... PCB-184	5.03e2	1.13	NO	1.14	5.414	43.30	43.31	1.011	1.012	NO	0.7168		0.251	0.7168
133	1... PCB-179	5.79e4	1.02	NO	1.07	5.414	44.10	44.10	1.030	1.030	NO	87.42		0.266	87.42



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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	1... PCB-176	1.55e4	1.01	NO	1.11	5.414	44.57	44.57	1.041	1.041	NO	22.63		0.257	22.63
135	1... PCB-186			NO	1.23	5.414	45.20		1.056		YES			0.233	
136	1... PCB-178	2.11e4	1.06	NO	0.830	5.414	45.73	45.71	1.068	1.068	NO	41.34		0.345	41.34
137	1... PCB-175	3.21e3	0.96	NO	0.853	5.414	46.07	46.07	1.076	1.076	NO	6.106		0.336	6.106
138	1... PCB-182/187	1.36e5	1.01	NO	0.942	5.414	46.26	46.24	1.081	1.080	NO	235.1		0.304	235.1
139	1... PCB-183	5.30e4	1.00	NO	0.910	5.414	46.58	46.58	1.088	1.088	NO	94.59		0.315	94.59
140	1... PCB-185	1.13e4	0.95	NO	1.24	5.414	47.26	47.26	0.954	0.954	NO	21.34		0.344	21.34
141	1... PCB-174	9.21e4	1.06	NO	1.20	5.414	47.64	47.64	0.962	0.962	NO	180.4		0.355	180.4
142	1... PCB-181			NO	1.33	5.414	47.74		0.964		YES			0.320	
143	1... PCB-177	5.27e4	1.05	NO	1.14	5.414	47.93	47.91	0.968	0.967	NO	108.4		0.373	108.4
144	1... PCB-171	2.25e4	1.02	NO	1.22	5.414	48.22	48.21	0.974	0.974	NO	43.31		0.349	43.31
145	1... PCB-173	1.49e3	0.88	YES	1.07	5.414	48.67	48.67	0.983	0.983	NO	3.275		0.399	2.989
146	1... PCB-172	1.39e4	1.07	NO	1.26	5.414	49.12	49.12	0.992	0.992	NO	25.90		0.339	25.90
147	1... PCB-192			NO	1.61	5.414	49.33		0.996		YES			0.264	
148	1... PCB-180	2.10e5	1.06	NO	1.30	5.414	49.54	49.54	1.000	1.000	NO	379.7		0.327	379.7
149	1... PCB-193	1.38e4	1.06	NO	1.47	5.414	49.74	49.75	1.004	1.005	NO	22.02		0.289	22.02
150	1... PCB-191	4.37e3	1.17	NO	1.51	5.414	50.01	50.01	1.010	1.010	NO	6.818		0.283	6.818
151	1... PCB-170	7.73e4	1.04	NO	1.23	5.414	51.21	51.21	1.000	1.000	NO	158.6		0.361	158.6
152	1... PCB-190	2.18e4	1.03	NO	1.61	5.414	51.42	51.41	1.005	1.004	NO	34.24		0.276	34.24
153	1... PCB-189	4.77e3	1.28	YES	1.27	5.414	52.93	52.93	1.000	1.000	NO	7.447		0.254	6.689
154	1... PCB-202	1.34e4	0.88	NO	0.995	5.414	48.44	48.44	1.001	1.001	NO	20.38		0.314	20.38
155	1... PCB-201	7.40e3	0.89	NO	0.904	5.414	48.91	48.93	1.010	1.011	NO	12.36		0.345	12.36
156	1... PCB-204			NO	0.955	5.414	49.06		1.014		YES			0.327	
157	1... PCB-197	2.56e3	0.88	NO	0.964	5.414	49.38	49.41	1.020	1.021	NO	4.017		0.324	4.017
158	1... PCB-200	6.78e3	0.84	NO	0.911	5.414	50.31	50.33	1.039	1.040	NO	11.24		0.342	11.24
159	1... PCB-198	2.50e3	0.83	NO	0.696	5.414	51.87	51.92	1.072	1.073	NO	5.419		0.448	5.419
160	1... PCB-199	4.56e4	0.87	NO	0.706	5.414	52.00	52.02	1.074	1.075	NO	97.55		0.442	97.55
161	1... PCB-196/203	5.01e4	0.87	NO	0.754	5.414	52.30	52.32	1.081	1.081	NO	100.2		0.413	100.2
162	1... PCB-195	1.25e4	0.89	NO	0.957	5.414	53.62	53.62	0.984	0.983	NO	34.34		0.413	34.34
163	1... PCB-194	3.27e4	0.89	NO	1.06	5.414	54.54	54.54	1.000	1.000	NO	80.93		0.372	80.93
164	1... PCB-205	2.18e3	0.95	NO	1.27	5.414	54.81	54.80	1.005	1.005	NO	4.509		0.311	4.509
165	1... PCB-208	8.21e3	1.42	NO	0.861	5.414	53.76	53.76	1.000	1.000	NO	18.92		0.296	18.92
166	1... PCB-207	3.26e3	1.62	YES	0.849	5.414	54.10	54.10	1.007	1.007	NO	7.613		0.300	6.805
167	1... PCB-206	1.90e4	1.40	NO	0.951	5.414	56.09	56.09	1.000	1.000	NO	59.56		0.407	59.56

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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	1... PCB-209	2.61e4	1.17	NO	0.863	5.414	57.33	57.33	1.000	1.000	NO	72.34		0.215	72.34
169	1... 13C-PCB-1	2.31e6	2.59	YES	0.937	5.414	15.42	15.43	0.608	0.609	NO	1791	97.0	1.95	
170	1... 13C-PCB-3	2.38e6	3.11	NO	0.934	5.414	18.05	18.08	0.712	0.713	NO	1852	100	1.96	
171	1... 13C-PCB-4	1.33e6	1.58	NO	0.599	5.414	19.40	19.40	0.765	0.765	NO	1615	87.4	0.649	
172	1... 13C-PCB-9	2.23e6	1.55	NO	0.960	5.414	21.21	21.20	0.836	0.836	NO	1686	91.3	0.405	
173	1... 13C-PCB-11	2.26e6	1.57	NO	0.929	5.414	24.64	24.65	0.971	0.972	NO	1767	95.7	0.419	
174	1... 13C-PCB-19	1.22e6	0.99	NO	0.506	5.414	23.61	23.61	0.931	0.931	NO	1743	94.4	6.42	
175	1... 13C-PCB-32	1.87e6	1.02	NO	0.738	5.414	26.60	26.59	1.049	1.048	NO	1833	99.3	4.41	
176	1... 13C-PCB-28	2.02e6	1.05	NO	1.06	5.414	28.59	28.59	1.004	1.004	NO	1736	94.0	4.90	
177	1... 13C-PCB-37	1.91e6	1.04	NO	0.979	5.414	32.57	32.59	1.143	1.144	NO	1775	96.1	5.31	
178	1... 13C-PCB-54	1.54e6	0.78	NO	0.981	5.414	27.43	27.44	0.751	0.752	NO	1564	84.7	0.849	
179	1... 13C-PCB-52	1.32e6	0.78	NO	0.786	5.414	31.09	31.09	0.852	0.852	NO	1666	90.2	1.06	
180	1... 13C-PCB-47	1.36e6	0.79	NO	0.833	5.414	31.60	31.63	0.866	0.866	NO	1629	88.2	1.00	
181	1... 13C-PCB-70	1.66e6	0.80	NO	0.981	5.414	35.23	35.24	0.965	0.965	NO	1688	91.4	0.849	
182	1... 13C-PCB-80	1.75e6	0.78	NO	1.01	5.414	35.66	35.67	0.977	0.977	NO	1722	93.2	0.822	
183	1... 13C-PCB-81	1.73e6	0.78	NO	0.995	5.414	38.86	38.87	1.064	1.065	NO	1737	94.0	0.837	
184	1... 13C-PCB-77	1.64e6	0.79	NO	0.977	5.414	39.48	39.48	1.082	1.082	NO	1677	90.8	0.853	
185	1... 13C-PCB-104	1.57e6	1.57	NO	1.00	5.414	32.29	32.30	0.826	0.827	NO	1676	90.7	0.539	
186	1... 13C-PCB-95	1.19e6	1.58	NO	0.779	5.414	35.53	35.53	0.910	0.910	NO	1640	88.8	0.694	
187	1... 13C-PCB-101	1.32e6	1.58	NO	0.833	5.414	37.28	37.28	0.954	0.954	NO	1701	92.1	0.650	
188	1... 13C-PCB-97	1.10e6	1.57	NO	0.679	5.414	38.62	38.62	0.988	0.989	NO	1737	94.0	0.797	
189	1... 13C-PCB-123	1.60e6	1.55	NO	0.970	5.414	41.26	41.27	1.056	1.056	NO	1766	95.6	0.558	
190	1... 13C-PCB-118	1.62e6	1.55	NO	1.00	5.414	41.45	41.47	1.061	1.061	NO	1730	93.7	0.541	
191	1... 13C-PCB-114	1.27e6	1.59	NO	1.55	5.414	42.14	42.13	0.908	0.907	NO	1550	83.9	1.09	
192	1... 13C-PCB-105	1.31e6	1.58	NO	1.59	5.414	43.02	43.02	0.927	0.927	NO	1546	83.7	1.06	
193	1... 13C-PCB-127	1.38e6	1.56	NO	1.66	5.414	43.39	43.38	0.934	0.934	NO	1568	84.9	1.02	
194	1... 13C-PCB-126	1.26e6	1.55	NO	1.65	5.414	45.33	45.33	0.976	0.976	NO	1447	78.3	1.02	
195	1... 13C-PCB-155	1.48e6	1.29	NO	0.819	5.414	36.80	36.80	0.942	0.942	NO	1933	105	0.439	
196	1... 13C-PCB-153	1.17e6	1.25	NO	1.31	5.414	43.20	43.19	0.930	0.930	NO	1681	91.0	1.26	
197	1... 13C-PCB-141	9.81e5	1.27	NO	1.08	5.414	43.97	43.95	0.947	0.947	NO	1706	92.4	1.52	
198	1... 13C-PCB-138	1.04e6	1.24	NO	1.15	5.414	44.82	44.82	0.965	0.965	NO	1702	92.2	1.43	
199	1... 13C-PCB-159	1.29e6	1.28	NO	1.39	5.414	46.16	46.17	0.994	0.994	NO	1741	94.3	1.18	
200	2... 13C-PCB-167	1.32e6	1.28	NO	1.43	5.414	46.86	46.87	1.009	1.009	NO	1750	94.7	1.16	
201	2... 13C-PCB-156	1.24e6	1.26	NO	1.34	5.414	48.20	48.19	1.038	1.038	NO	1744	94.4	1.23	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	2... 13C-PCB-157	1.27e6	1.28	NO	1.36	5.414	48.46	48.46	1.044	1.044	NO	1755	95.0	1.22	
203	2... 13C-PCB-169	1.23e6	1.26	NO	1.33	5.414	50.73	50.75	1.092	1.093	NO	1747	94.6	1.24	
204	2... 13C-PCB-188	1.14e6	0.45	NO	1.39	5.414	42.81	42.81	0.925	0.925	NO	1702	92.1	0.755	
205	2... 13C-PCB-180	7.87e5	0.44	NO	0.907	5.414	49.53	49.52	1.071	1.070	NO	1804	97.7	1.16	
206	2... 13C-PCB-170	7.31e5	0.44	NO	0.823	5.414	51.18	51.19	1.106	1.106	NO	1848	100	1.28	
207	2... 13C-PCB-189	9.30e5	0.45	NO	1.08	5.414	52.88	52.91	1.143	1.144	NO	1797	97.3	0.975	
208	2... 13C-PCB-202	1.22e6	0.92	NO	1.23	5.414	48.41	48.40	1.046	1.046	NO	2064	112	0.631	
209	2... 13C-PCB-194	7.03e5	0.90	NO	0.710	5.414	54.52	54.52	0.995	0.995	NO	2018	109	1.82	
210	2... 13C-PCB-208	9.31e5	0.79	NO	0.865	5.414	53.76	53.75	0.981	0.981	NO	2190	119	1.27	
211	2... 13C-PCB-206	6.18e5	0.80	NO	0.623	5.414	56.07	56.07	1.023	1.024	NO	2021	109	1.77	
212	2... 13C-PCB-209	7.72e5	1.17	NO	0.725	5.414	57.31	57.33	1.046	1.046	NO	2170	117	0.384	
213	2... 13C-PCB-15	2.55e6	1.56	NO	1.00	5.414	25.39	25.36	1.000	0.000	NO	1847	100	0.389	
214	2... 13C-PCB-31	2.03e6	1.03	NO	1.00	5.414	28.52	28.48	1.000	0.000	NO	1847	100	5.20	
215	2... 13C-PCB-60	1.85e6	0.78	NO	1.00	5.414	36.54	36.50	1.000	0.000	NO	1847	100	0.833	
216	2... 13C-PCB-111	1.72e6	1.58	NO	1.00	5.414	39.11	39.07	1.000	0.000	NO	1847	100	0.541	
217	2... 13C-PCB-128	9.80e5	1.27	NO	1.00	5.414	46.47	46.43	1.000	0.000	NO	1847	100	1.65	
218	2... 13C-PCB-182	8.89e5	0.43	NO	1.00	5.414	46.30	46.26	0.000	0.000	NO	1847	100	1.05	
219	2... 13C-PCB-205	9.07e5	0.90	NO	1.00	5.414	54.81	54.78	1.000	0.000	NO	1847	100	1.29	
220	2... 13C-PCB-79	1.76e6	0.78	NO	1.04	5.414	37.60	37.60	1.030	1.030	NO	1697	91.9	0.804	
221	2... 13C-PCB-178	7.48e5	0.44	NO	0.774	5.414	45.70	45.69	0.988	0.988	NO	1821	98.6	1.22	
222	2... 13C-PCB-79	1.76e6	0.78	NO	1.04	5.414	37.61	37.60	0.968	0.967	NO	1803	97.6	0.892	
223	2... 13C-PCB-178	7.48e5	0.44	NO	1.02	5.414	45.69	45.69	0.923	0.923	NO	1725	93.4	1.16	
224	2... Total Mono-PCBs				1.00	5.414	0.00		0.000		NO	29.45		0.594	29.45
225	2... Total Di-PCBs				1.04	5.414	0.00		0.000		NO	185.4		7.83	185.4
226	2... 2nd Function Tri-PCBs				0.943	5.414	0.00		0.000		NO	169.2		1.62	169.2
227	2... 3rd Function Tri-PCBs				0.969	5.414	0.00		0.000		NO	404.0	3573.2	5.04	406.4
228	2... Total Tetra-PCBs				0.991	5.414	0.00		0.000		NO	1671		8.29	1673
229	2... 3rd Function Penta-PCBs				1.11	5.414	0.00		0.000		NO	2395	2540.2	8.09	2398
230	2... 4th Function Penta-PCBs				1.05	5.414	0.00		0.000		NO	153.2		2.15	157.6
231	2... 3rd Function Hexa-PCBs				0.791	5.414	0.00		0.000		NO	822.9	2698.9	1.83	825.9
232	2... 4th Function Hexa-PCBs				0.946	5.414	0.00		0.000		NO	1876		6.84	1878
233	2... Total Hepta-PCBs				1.20	5.414	0.00		0.000		NO	1469		7.09	1479
234	2... 4th Function Octa-PCBs				0.860	5.414	0.00		0.000		NO	251.2		2.95	251.2
235	2... 5th Function Octa-PCBs				1.10	5.414	0.00		0.000		NO	119.8	371	1.10	119.8

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-12.qld

Last Altered: Thursday, December 17, 2020 08:29:56 Pacific Standard Time

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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	2... Total Nona-PCBs				0.887	5.414	0.00		0.000		NO	78.48		1.00	85.28
237	2... Deca-CB				0.863	5.414	0.00		0.000		NO	72.34		0.215	72.34
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-12.qld

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.44	15.45	1.082e5	3.497e4	7.132e3	2.457e3	2.90	NO	9.589e3	7.7656	7.7656	0.225
2	PCB-2	17.87	17.86	2.485e5	8.477e4	1.436e4	4.803e3	2.99	NO	1.916e4	14.528	14.528	0.183
3	PCB-3	18.09	18.09	1.278e5	3.813e4	7.190e3	2.062e3	3.49	NO	9.252e3	7.1520	7.1520	0.186

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.48	19.42	1.919e5	1.148e5	1.178e4	7.079e3	1.66	NO	1.886e4	21.622	21.622	1.23
2	PCB-6	21.90	21.90	1.032e5	6.800e4	6.397e3	4.060e3	1.58	NO	1.046e4	8.6888	8.6888	0.932
3	PCB-5/8	22.31	22.31	4.820e5	2.905e5	2.969e4	1.816e4	1.63	NO	4.785e4	40.601	40.601	0.952
4	PCB-11	24.67	24.67	9.376e5	5.946e5	6.073e4	3.992e4	1.52	NO	1.007e5	73.582	73.582	0.868
5	PCB-12/13	25.10	25.04	4.896e4	3.611e4	3.994e3	2.526e3	1.58	NO	6.520e3	5.2204	5.2204	0.951
6	PCB-15	25.38	25.38	4.022e5	2.696e5	2.745e4	1.705e4	1.61	NO	4.450e4	35.699	35.699	0.953

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.64	23.63	1.107e5	1.098e5	7.385e3	7.081e3	1.04	NO	1.447e4	22.581	22.581	0.336
2	PCB-18	25.31	25.30	3.576e5	3.282e5	2.294e4	2.168e4	1.06	NO	4.462e4	61.413	61.413	0.288
3	PCB-17	25.48	25.48	1.619e5	1.696e5	1.112e4	1.121e4	0.99	NO	2.233e4	32.913	32.913	0.309
4	PCB-24/27	26.06	26.05	4.832e4	4.485e4	3.498e3	3.392e3	1.03	NO	6.889e3	7.3159	7.3159	0.222
5	PCB-16/32	26.61	26.60	1.800e5	1.968e5	1.868e4	1.876e4	1.00	NO	3.745e4	44.975	44.975	0.251

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ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.40	27.42	9.252e3	7.985e3	9.139e2	7.311e2	1.25	YES	1.645e3	0.00000	1.5539	0.388
2	PCB-26	27.99	27.98	1.550e5	1.464e5	1.169e4	1.069e4	1.09	NO	2.238e4	22.376	22.376	0.372
3	PCB-25	28.15	28.15	9.718e4	9.303e4	7.245e3	6.884e3	1.05	NO	1.413e4	14.115	14.115	0.372
4	PCB-31	28.51	28.50	7.272e5	6.733e5	5.532e4	5.145e4	1.08	NO	1.068e5	94.774	94.774	0.330
5	PCB-28	28.61	28.61	9.069e5	8.774e5	7.060e4	6.578e4	1.07	NO	1.364e5	122.97	122.97	0.335
6	PCB-20/21/33	29.25	29.26	3.641e5	3.532e5	3.188e4	2.996e4	1.06	NO	6.184e4	61.958	61.958	0.373
7	PCB-22	29.69	29.71	2.370e5	2.406e5	1.900e4	1.903e4	1.00	NO	3.803e4	36.690	36.690	0.359
8	PCB-39	30.84	30.83	7.458e3	5.149e3	5.557e2	4.476e2	1.24	YES	1.003e3	0.00000	0.88082	0.360
9	PCB-38	31.63	31.65	2.303e4	1.969e4	1.789e3	1.650e3	1.08	NO	3.439e3	3.1700	3.1700	0.344
10	PCB-35	32.17	32.19	2.047e4	1.962e4	1.624e3	1.406e3	1.15	NO	3.031e3	2.8030	2.8030	0.345
11	PCB-37	32.61	32.61	2.970e5	3.037e5	2.408e4	2.382e4	1.01	NO	4.790e4	45.103	45.103	0.351

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ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

## Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.46	27.46	2.628e4	3.248e4	1.935e3	2.313e3	0.84	NO	4.248e3	5.2272	5.2272	0.230
2	PCB-50	28.66	28.67	4.992e3	5.905e3	3.214e2	4.740e2	0.68	NO	7.954e2	1.1878	1.1878	0.280
3	PCB-53	29.32	29.32	1.231e5	1.519e5	9.595e3	1.173e4	0.82	NO	2.132e4	31.886	31.886	0.287
4	PCB-51	29.68	29.67	1.004e5	1.321e5	7.734e3	1.002e4	0.77	NO	1.775e4	24.940	24.940	0.270
5	PCB-45	30.13	30.12	5.533e4	7.971e4	4.433e3	5.886e3	0.75	NO	1.032e4	18.056	18.056	0.336
6	PCB-46	30.63	30.62	2.652e4	4.188e4	2.098e3	3.191e3	0.66	NO	5.289e3	9.6408	9.6408	0.350
7	PCB-52/69	31.12	31.11	9.603e5	1.283e6	7.694e4	1.008e5	0.76	NO	1.778e5	230.65	230.65	0.249
8	PCB-43/49	31.41	31.42	5.994e5	7.985e5	4.828e4	6.514e4	0.74	NO	1.134e5	172.17	172.17	0.292
9	PCB-47	31.65	31.65	3.638e5	4.549e5	3.079e4	3.972e4	0.78	NO	7.051e4	110.86	110.86	0.330
10	PCB-48/75	31.78	31.77	1.074e5	1.386e5	8.535e3	1.088e4	0.78	NO	1.941e4	25.370	25.370	0.274
11	PCB-44	32.48	32.46	4.895e5	6.299e5	3.803e4	4.961e4	0.77	NO	8.763e4	156.89	156.89	0.375
12	PCB-42/59	32.71	32.69	1.851e5	2.618e5	1.482e4	2.059e4	0.72	NO	3.542e4	49.288	49.288	0.292
13	PCB-41/64/71/72	33.31	33.28	6.162e5	8.065e5	5.118e4	6.740e4	0.76	NO	1.186e5	144.11	144.11	0.255
14	PCB-68	33.58	33.54	1.802e4	2.386e4	1.298e3	1.917e3	0.68	NO	3.215e3	3.6672	3.6672	0.239
15	PCB-40	33.81	33.77	6.347e4	8.138e4	5.025e3	6.768e3	0.74	NO	1.179e4	27.944	27.944	0.497
16	PCB-57	34.14	34.14	6.713e3	9.068e3	5.683e2	7.813e2	0.73	NO	1.350e3	1.3923	1.3923	0.211
17	PCB-67	34.45	34.46	2.411e4	3.211e4	1.876e3	2.701e3	0.69	NO	4.577e3	5.0027	5.0027	0.224
18	PCB-58	34.57	34.57	5.717e3	7.556e3	4.018e2	6.340e2	0.63	YES	1.036e3	0.00000	0.94825	0.210
19	PCB-63	34.74	34.73	3.752e4	4.735e4	2.928e3	3.879e3	0.75	NO	6.806e3	7.7878	7.7878	0.234
20	PCB-74	35.04	35.03	4.696e5	6.060e5	3.623e4	4.692e4	0.77	NO	8.315e4	84.937	84.937	0.209
21	PCB-61/70	35.25	35.26	1.146e6	1.510e6	9.143e4	1.202e5	0.76	NO	2.116e5	240.34	240.34	0.232
22	PCB-76/66	35.43	35.46	9.706e5	1.272e6	7.627e4	1.011e5	0.75	NO	1.774e5	183.93	183.93	0.212
23	PCB-55	36.02	35.98	1.732e4	2.245e4	1.440e3	1.969e3	0.73	NO	3.409e3	3.3739	3.3739	0.194
24	PCB-56/60	36.53	36.52	4.899e5	6.481e5	3.995e4	5.323e4	0.75	NO	9.318e4	103.84	103.84	0.219
25	PCB-79	37.63	37.64	3.120e4	3.859e4	2.634e3	3.214e3	0.82	NO	5.848e3	5.8201	5.8201	0.195
26	PCB-78	38.34	38.29	5.241e3	8.038e3	5.390e2	5.897e2	0.91	YES	1.129e3	0.00000	1.1049	0.219
27	PCB-77	39.50	39.50	1.097e5	1.445e5	9.193e3	1.197e4	0.77	NO	2.116e4	23.087	23.087	0.226

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ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.32	32.31	7.681e3	6.273e3	5.424e2	3.966e2	1.37	NO	9.391e2	1.1244	1.1244	0.235
2	PCB-96	33.61	33.58	2.774e4	1.722e4	2.299e3	1.390e3	1.65	NO	3.689e3	4.4139	4.4139	0.235
3	PCB-103	34.17	34.16	5.998e4	3.295e4	4.579e3	2.691e3	1.70	NO	7.270e3	11.104	11.104	0.300
4	PCB-100	34.54	34.53	5.523e4	3.834e4	4.408e3	3.063e3	1.44	NO	7.471e3	10.912	10.912	0.287
5	PCB-94	34.99	35.01	1.840e4	1.347e4	1.528e3	1.114e3	1.37	NO	2.642e3	4.9241	4.9241	0.377
6	PCB-95/98/102	35.49	35.55	1.483e6	9.279e5	1.210e5	7.575e4	1.60	NO	1.968e5	284.51	284.51	0.293
7	PCB-88/91	35.96	35.98	2.934e5	2.050e5	2.448e4	1.635e4	1.50	NO	4.083e4	69.444	69.444	0.344
8	PCB-84/92	36.91	36.91	7.659e5	4.854e5	6.159e4	3.961e4	1.55	NO	1.012e5	171.20	171.20	0.344
9	PCB-89	37.09	37.10	1.374e4	1.021e4	9.885e2	6.413e2	1.54	NO	1.630e3	2.5722	2.5722	0.321
10	PCB-90/101	37.30	37.30	2.259e6	1.455e6	1.818e5	1.171e5	1.55	NO	2.990e5	461.51	461.51	0.314
11	PCB-99	37.64	37.64	1.009e6	6.627e5	8.334e4	5.469e4	1.52	NO	1.380e5	194.11	194.11	0.286
12	PCB-119	38.12	38.12	1.044e5	6.175e4	8.450e3	5.001e3	1.69	NO	1.345e4	14.748	14.748	0.227
13	PCB-108/112	38.28	38.29	8.866e4	5.942e4	6.990e3	4.688e3	1.49	NO	1.168e4	15.729	15.729	0.279
14	PCB-97	38.64	38.64	4.886e5	3.181e5	3.969e4	2.613e4	1.52	NO	6.582e4	98.289	98.289	0.310
15	PCB-86	38.79	38.83	1.083e4	6.074e3	4.661e2	3.801e2	1.23	YES	8.462e2	0.00000	1.2125	0.329
16	PCB-87/117/125	38.93	38.94	7.208e5	4.484e5	5.968e4	3.773e4	1.58	NO	9.741e4	121.98	121.98	0.260
17	PCB-111/115	39.09	39.13	4.838e4	3.104e4	3.643e3	2.187e3	1.67	NO	5.830e3	6.0517	6.0517	0.215
18	PCB-85/116	39.21	39.20	3.194e5	1.960e5	2.647e4	1.584e4	1.67	NO	4.231e4	57.627	57.627	0.282
19	PCB-120	39.48	39.50	1.865e4	1.115e4	1.640e3	8.421e2	1.95	YES	2.483e3	0.00000	2.0181	0.194
20	PCB-110	39.63	39.61	2.683e6	1.755e6	2.219e5	1.435e5	1.55	NO	3.654e5	408.88	408.88	0.232
21	PCB-82	40.27	40.26	1.508e5	9.666e4	1.219e4	7.847e3	1.55	NO	2.003e4	36.278	36.278	0.392
22	PCB-124	40.98	40.97	8.170e4	5.197e4	8.426e3	5.220e3	1.61	NO	1.365e4	14.610	14.610	0.232
23	PCB-107/109	41.12	41.14	1.888e5	1.297e5	1.673e4	1.148e4	1.46	NO	2.821e4	29.383	29.383	0.226
24	PCB-123	41.29	41.30	3.785e4	2.648e4	3.089e3	2.213e3	1.40	NO	5.302e3	6.1183	6.1183	0.250
25	PCB-106/118	41.51	41.49	2.403e6	1.528e6	2.022e5	1.281e5	1.58	NO	3.303e5	369.07	369.07	0.245



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4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.15	42.17	4.110e4	2.799e4	4.014e3	2.682e3	1.50	NO	6.696e3	8.9669	8.9669	0.416
2	PCB-122	42.30	42.30	2.477e4	1.290e4	2.020e3	1.102e3	1.83	YES	3.122e3	0.00000	4.4029	0.484
3	PCB-105	43.04	43.04	7.330e5	4.862e5	6.161e4	4.093e4	1.51	NO	1.025e5	140.17	140.17	0.436
4	PCB-126	45.35	45.37	2.107e4	1.550e4	1.856e3	1.308e3	1.42	NO	3.164e3	4.0213	4.0213	0.415

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.82	36.84	4.026e3	2.303e3	2.818e2	1.599e2	1.76	YES	4.417e2	0.00000	0.52482	0.128
2	PCB-150	38.12	38.12	1.327e4	1.055e4	1.111e3	8.229e2	1.35	NO	1.934e3	2.5860	2.5860	0.116
3	PCB-152	38.62	38.60	4.202e3	4.451e3	3.752e2	3.263e2	1.15	NO	7.015e2	0.86077	0.86077	0.107
4	PCB-145	39.09	39.07	1.429e3	1.040e3	9.242e1	1.029e2	0.90	YES	1.953e2	0.00000	0.21222	0.111
5	PCB-136	39.40	39.40	4.052e5	3.071e5	3.338e4	2.517e4	1.33	NO	5.856e4	83.034	83.034	0.123
6	PCB-148	39.53	39.50	1.644e4	1.067e4	8.163e2	5.442e2	1.50	YES	1.360e3	0.00000	2.2864	0.163
7	PCB-154	40.03	40.04	6.296e4	4.837e4	4.832e3	3.868e3	1.25	NO	8.701e3	15.082	15.082	0.151
8	PCB-151	40.70	40.71	5.195e5	4.206e5	4.303e4	3.486e4	1.23	NO	7.789e4	144.36	144.36	0.161
9	PCB-135	40.93	40.91	2.650e5	2.202e5	2.265e4	1.954e4	1.16	NO	4.219e4	72.902	72.902	0.150
10	PCB-144	41.02	41.02	8.590e4	8.094e4	6.887e3	6.227e3	1.11	NO	1.311e4	23.693	23.693	0.157
11	PCB-147	41.16	41.17	6.416e4	4.462e4	5.065e3	3.678e3	1.38	NO	8.743e3	15.324	15.324	0.153
12	PCB-139/149	41.44	41.43	1.901e6	1.509e6	1.593e5	1.258e5	1.27	NO	2.851e5	460.67	460.67	0.141
13	PCB-140	41.64	41.64	1.410e4	1.127e4	1.287e3	9.946e2	1.29	NO	2.281e3	4.3693	4.3693	0.167

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4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.07	42.09	8.203e4	7.055e4	6.922e3	5.815e3	1.19	NO	1.274e4	27.997	27.997	0.427
2	PCB-131/133	42.40	42.40	5.768e4	4.758e4	4.837e3	3.892e3	1.24	NO	8.729e3	17.938	17.938	0.399
3	PCB-146/165	42.79	42.81	4.000e5	3.230e5	3.382e4	2.769e4	1.22	NO	6.150e4	102.84	102.84	0.325
4	PCB-132/161	43.04	43.08	5.655e5	4.674e5	4.756e4	3.961e4	1.20	NO	8.717e4	143.67	143.67	0.320
5	PCB-153	43.23	43.21	2.324e6	1.901e6	2.015e5	1.622e5	1.24	NO	3.637e5	579.47	579.47	0.310
6	PCB-168	43.44	43.44	4.172e3	3.281e3	2.947e2	1.885e2	1.56	YES	4.832e2	0.00000	0.64369	0.296
7	PCB-141	43.97	43.99	3.437e5	2.782e5	2.964e4	2.403e4	1.23	NO	5.366e4	106.53	106.53	0.395
8	PCB-137	44.34	44.38	7.426e4	6.328e4	6.352e3	5.508e3	1.15	NO	1.186e4	23.172	23.172	0.389
9	PCB-130	44.46	44.48	1.135e5	9.204e4	9.373e3	7.517e3	1.25	NO	1.689e4	38.946	38.946	0.459
10	PCB-138/163/164	44.88	44.86	2.171e6	1.753e6	2.107e5	1.693e5	1.24	NO	3.800e5	584.24	584.24	0.299
11	PCB-158/160	45.12	45.08	2.322e5	1.829e5	2.050e4	1.637e4	1.25	NO	3.687e4	57.483	57.483	0.303
12	PCB-129	45.37	45.37	5.332e4	4.420e4	4.610e3	3.743e3	1.23	NO	8.352e3	18.371	18.371	0.428
13	PCB-166	45.85	45.84	8.061e3	6.316e3	6.718e2	4.370e2	1.54	YES	1.109e3	0.00000	1.3614	0.276
14	PCB-159	46.18	46.24	4.094e4	3.349e4	3.708e3	2.815e3	1.32	NO	6.523e3	8.5332	8.5332	0.259
15	PCB-128/162	46.48	46.45	2.983e5	2.411e5	2.551e4	2.037e4	1.25	NO	4.588e4	78.693	78.693	0.340
16	PCB-167	46.89	46.88	9.870e4	8.024e4	8.389e3	6.821e3	1.23	NO	1.521e4	22.092	22.092	0.288
17	PCB-156	48.21	48.21	2.416e5	1.939e5	2.096e4	1.664e4	1.26	NO	3.759e4	52.744	52.744	0.277
18	PCB-157	48.48	48.50	4.994e4	3.873e4	4.591e3	3.499e3	1.31	NO	8.090e3	12.298	12.298	0.312
19	PCB-169	50.77	50.75	4.532e3	3.194e3	3.966e2	3.381e2	1.17	NO	7.347e2	1.0574	1.0574	0.293

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**Total Hepta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	42.85	42.85	2.965e3	2.884e3	2.402e2	1.903e2	1.26	YES	4.305e2	0.00000	0.55061	0.249
2	PCB-184	43.30	43.31	3.694e3	2.978e3	2.671e2	2.363e2	1.13	NO	5.034e2	0.71684	0.71684	0.251
3	PCB-179	44.10	44.10	3.525e5	3.478e5	2.924e4	2.864e4	1.02	NO	5.788e4	87.420	87.420	0.266
4	PCB-176	44.57	44.57	9.315e4	9.312e4	7.814e3	7.699e3	1.01	NO	1.551e4	22.626	22.626	0.257
5	PCB-178	45.73	45.71	1.256e5	1.189e5	1.090e4	1.024e4	1.06	NO	2.114e4	41.345	41.345	0.345
6	PCB-175	46.07	46.07	2.396e4	2.113e4	1.571e3	1.638e3	0.96	NO	3.209e3	6.1063	6.1063	0.336
7	PCB-182/187	46.26	46.24	8.051e5	7.952e5	6.868e4	6.777e4	1.01	NO	1.364e5	235.15	235.15	0.304
8	PCB-183	46.58	46.58	3.086e5	3.182e5	2.649e4	2.655e4	1.00	NO	5.304e4	94.589	94.589	0.315
9	PCB-185	47.26	47.26	6.619e4	6.751e4	5.489e3	5.768e3	0.95	NO	1.126e4	21.338	21.338	0.344
10	PCB-174	47.64	47.64	5.407e5	4.912e5	4.733e4	4.477e4	1.06	NO	9.210e4	180.43	180.43	0.355
11	PCB-177	47.93	47.91	3.052e5	2.992e5	2.705e4	2.565e4	1.05	NO	5.270e4	108.39	108.39	0.373
12	PCB-171	48.22	48.21	1.314e5	1.334e5	1.136e4	1.111e4	1.02	NO	2.247e4	43.315	43.315	0.349
13	PCB-173	48.67	48.67	9.117e3	9.355e3	6.962e2	7.935e2	0.88	YES	1.490e3	0.00000	2.9886	0.399
14	PCB-172	49.12	49.12	8.519e4	7.359e4	7.181e3	6.687e3	1.07	NO	1.387e4	25.897	25.897	0.339
15	PCB-180	49.54	49.54	1.273e6	1.163e6	1.081e5	1.023e5	1.06	NO	2.105e5	379.68	379.68	0.327
16	PCB-193	49.74	49.75	8.385e4	7.423e4	7.106e3	6.698e3	1.06	NO	1.380e4	22.023	22.023	0.289
17	PCB-191	50.01	50.01	2.810e4	2.237e4	2.361e3	2.013e3	1.17	NO	4.374e3	6.8182	6.8182	0.283
18	PCB-170	51.21	51.21	4.606e5	4.564e5	3.946e4	3.786e4	1.04	NO	7.732e4	158.59	158.59	0.361
19	PCB-190	51.42	51.41	1.340e5	1.247e5	1.109e4	1.074e4	1.03	NO	2.183e4	34.241	34.241	0.276
20	PCB-189	52.93	52.93	3.396e4	2.855e4	2.680e3	2.090e3	1.28	YES	4.770e3	0.00000	6.6893	0.254

**4th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.44	48.44	7.668e4	8.084e4	6.280e3	7.144e3	0.88	NO	1.342e4	20.382	20.382	0.314
2	PCB-201	48.91	48.93	3.963e4	4.502e4	3.484e3	3.911e3	0.89	NO	7.396e3	12.357	12.357	0.345
3	PCB-197	49.38	49.41	1.390e4	1.634e4	1.201e3	1.363e3	0.88	NO	2.564e3	4.0169	4.0169	0.324
4	PCB-200	50.31	50.33	3.342e4	4.428e4	3.094e3	3.688e3	0.84	NO	6.781e3	11.238	11.238	0.342
5	PCB-198	51.87	51.92	1.896e4	2.016e4	1.134e3	1.362e3	0.83	NO	2.496e3	5.4186	5.4186	0.448
6	PCB-199	52.00	52.02	2.696e5	3.106e5	2.125e4	2.435e4	0.87	NO	4.560e4	97.548	97.548	0.442
7	PCB-196/203	52.30	52.32	2.957e5	3.505e5	2.330e4	2.677e4	0.87	NO	5.008e4	100.24	100.24	0.413

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**5th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.62	53.62	8.837e4	1.068e5	5.878e3	6.641e3	0.89	NO	1.252e4	34.337	34.337	0.413
2	PCB-194	54.54	54.54	2.579e5	2.932e5	1.541e4	1.729e4	0.89	NO	3.270e4	80.934	80.934	0.372
3	PCB-205	54.81	54.80	1.766e4	1.635e4	1.062e3	1.117e3	0.95	NO	2.179e3	4.5088	4.5088	0.311

**Total Nona-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.76	53.76	7.492e4	5.114e4	4.818e3	3.387e3	1.42	NO	8.205e3	18.922	18.922	0.296
2	PCB-207	54.10	54.10	3.194e4	2.118e4	2.014e3	1.245e3	1.62	YES	3.258e3	0.00000	6.8050	0.300
3	PCB-206	56.09	56.09	1.722e5	1.194e5	1.107e4	7.887e3	1.40	NO	1.895e4	59.555	59.555	0.407

**Deca-CB**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.33	57.33	2.337e5	2.002e5	1.405e4	1.204e4	1.17	NO	2.609e4	72.335	72.335	0.215

**Total PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**Total Mono-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.42	15.43	2.518e7	8.441e6	1.669e6	6.447e5	2.59	YES	2.314e6	1791.0		1.95
2	13C-PCB-3	18.05	18.08	3.141e7	9.896e6	1.804e6	5.799e5	3.11	NO	2.383e6	1851.7		1.96

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**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.40	19.40	1.391e7	8.769e6	8.172e5	5.171e5	1.58	NO	1.334e6	1614.8		0.649
2	13C-PCB-9	21.21	21.20	2.217e7	1.424e7	1.357e6	8.737e5	1.55	NO	2.231e6	1686.2		0.405
3	13C-PCB-11	24.64	24.65	2.134e7	1.354e7	1.383e6	8.814e5	1.57	NO	2.264e6	1767.2		0.419
4	13C-PCB-15	25.39	25.36	2.379e7	1.525e7	1.552e6	9.944e5	1.56	NO	2.547e6	1847.0		0.389

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.61	23.61	8.875e6	9.197e6	6.047e5	6.125e5	0.99	NO	1.217e6	1743.3		6.42
2	13C-PCB-32	26.60	26.59	1.419e7	1.388e7	9.416e5	9.239e5	1.02	NO	1.865e6	1833.5		4.41

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.48	1.355e7	1.328e7	1.029e6	9.997e5	1.03	NO	2.028e6	1847.0		5.20
2	13C-PCB-28	28.59	28.59	1.354e7	1.303e7	1.033e6	9.863e5	1.05	NO	2.020e6	1735.8		4.90
3	13C-PCB-37	32.57	32.59	1.268e7	1.229e7	9.715e5	9.369e5	1.04	NO	1.908e6	1775.5		5.31

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.43	27.44	8.939e6	1.140e7	6.765e5	8.643e5	0.78	NO	1.541e6	1564.4		0.849
2	13C-PCB-52	31.09	31.09	7.444e6	9.440e6	5.779e5	7.375e5	0.78	NO	1.315e6	1666.3		1.06
3	13C-PCB-47	31.60	31.63	7.076e6	8.978e6	5.997e5	7.623e5	0.79	NO	1.362e6	1629.3		1.00
4	13C-PCB-70	35.23	35.24	8.924e6	1.106e7	7.377e5	9.250e5	0.80	NO	1.663e6	1688.3		0.849
5	13C-PCB-80	35.66	35.67	9.685e6	1.236e7	7.687e5	9.838e5	0.78	NO	1.753e6	1722.1		0.822
6	13C-PCB-60	36.54	36.50	1.012e7	1.299e7	8.117e5	1.042e6	0.78	NO	1.854e6	1847.0		0.833
7	13C-PCB-79	37.60	37.60	9.475e6	1.216e7	7.705e5	9.937e5	0.78	NO	1.764e6	1696.7		0.804
8	13C-PCB-81	38.86	38.87	9.073e6	1.171e7	7.587e5	9.760e5	0.78	NO	1.735e6	1737.1		0.837
9	13C-PCB-77	39.48	39.48	8.664e6	1.102e7	7.247e5	9.194e5	0.79	NO	1.644e6	1676.9		0.853

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**3rd Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.30	1.251e7	7.924e6	9.590e5	6.124e5	1.57	NO	1.571e6	1675.8		0.539
2	13C-PCB-95	35.53	35.53	9.270e6	5.889e6	7.311e5	4.620e5	1.58	NO	1.193e6	1640.0		0.694
3	13C-PCB-101	37.28	37.28	1.022e7	6.432e6	8.102e5	5.119e5	1.58	NO	1.322e6	1700.5		0.650
4	13C-PCB-97	38.62	38.62	8.311e6	5.228e6	6.718e5	4.291e5	1.57	NO	1.101e6	1736.5		0.797
5	13C-PCB-111	39.11	39.07	1.300e7	8.147e6	1.055e6	6.696e5	1.58	NO	1.724e6	1847.0		0.541
6	13C-PCB-123	41.26	41.27	1.152e7	7.510e6	9.725e5	6.271e5	1.55	NO	1.600e6	1766.3		0.558
7	13C-PCB-118	41.45	41.47	1.151e7	7.465e6	9.837e5	6.331e5	1.55	NO	1.617e6	1730.1		0.541

**4th Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.14	42.13	9.351e6	5.881e6	7.812e5	4.911e5	1.59	NO	1.272e6	1549.5		1.09
2	13C-PCB-105	43.02	43.02	9.323e6	5.992e6	8.007e5	5.055e5	1.58	NO	1.306e6	1546.2		1.06
3	13C-PCB-127	43.39	43.38	9.918e6	6.352e6	8.414e5	5.377e5	1.56	NO	1.379e6	1567.5		1.02
4	13C-PCB-126	45.33	45.33	8.727e6	5.655e6	7.680e5	4.947e5	1.55	NO	1.263e6	1446.6		1.02

**4th Function Hexa-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.20	43.19	7.711e6	6.171e6	6.510e5	5.199e5	1.25	NO	1.171e6	1680.9		1.26
2	13C-PCB-141	43.97	43.95	6.354e6	4.963e6	5.488e5	4.323e5	1.27	NO	9.811e5	1706.3		1.52
3	13C-PCB-138	44.82	44.82	6.809e6	5.560e6	5.753e5	4.657e5	1.24	NO	1.041e6	1702.4		1.43
4	13C-PCB-159	46.16	46.17	8.386e6	6.546e6	7.225e5	5.653e5	1.28	NO	1.288e6	1741.3		1.18
5	13C-PCB-128	46.47	46.43	6.440e6	5.093e6	5.480e5	4.320e5	1.27	NO	9.800e5	1847.0		1.65
6	13C-PCB-167	46.86	46.87	8.628e6	6.748e6	7.426e5	5.815e5	1.28	NO	1.324e6	1749.9		1.16
7	13C-PCB-156	48.20	48.19	8.054e6	6.364e6	6.898e5	5.491e5	1.26	NO	1.239e6	1743.8		1.23
8	13C-PCB-157	48.46	48.46	7.970e6	6.330e6	7.104e5	5.554e5	1.28	NO	1.266e6	1755.5		1.22
9	13C-PCB-169	50.73	50.75	7.779e6	6.192e6	6.883e5	5.466e5	1.26	NO	1.235e6	1747.5		1.24

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5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.52	54.52	5.654e6	6.151e6	3.331e5	3.704e5	0.90	NO	7.035e5	2017.9		1.82
2	13C-PCB-205	54.81	54.78	7.118e6	7.842e6	4.302e5	4.768e5	0.90	NO	9.069e5	1847.0		1.29

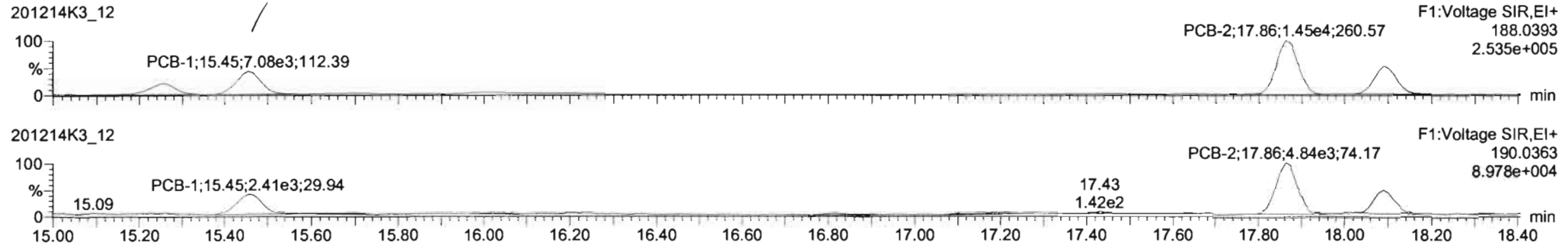
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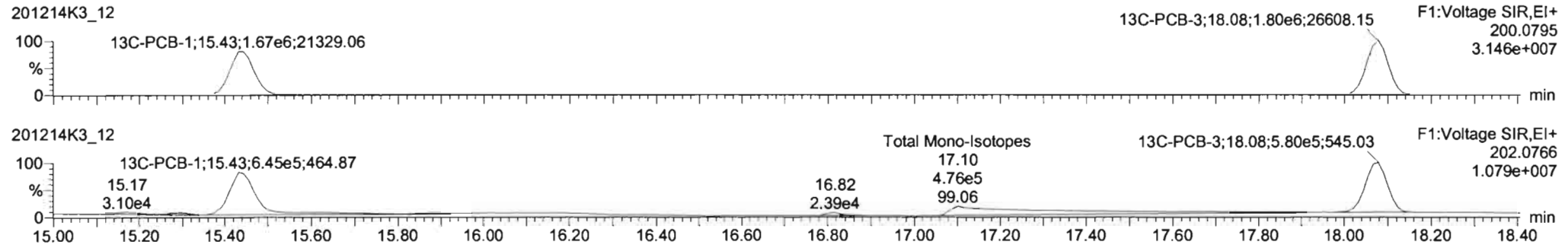
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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

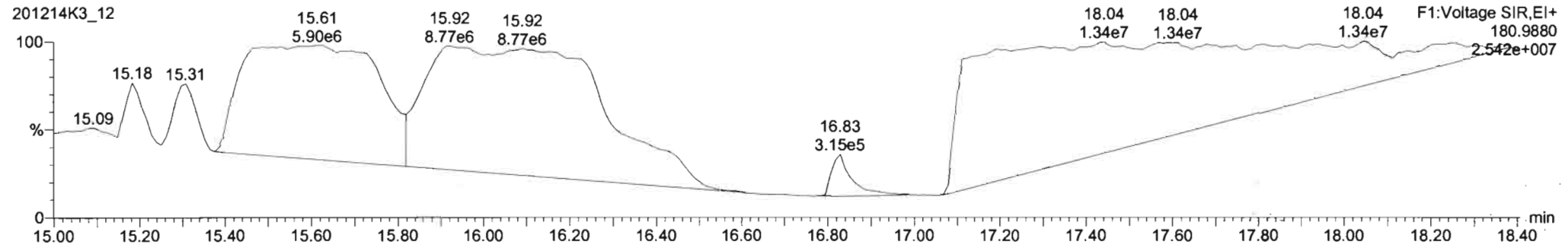
**PCB-1**



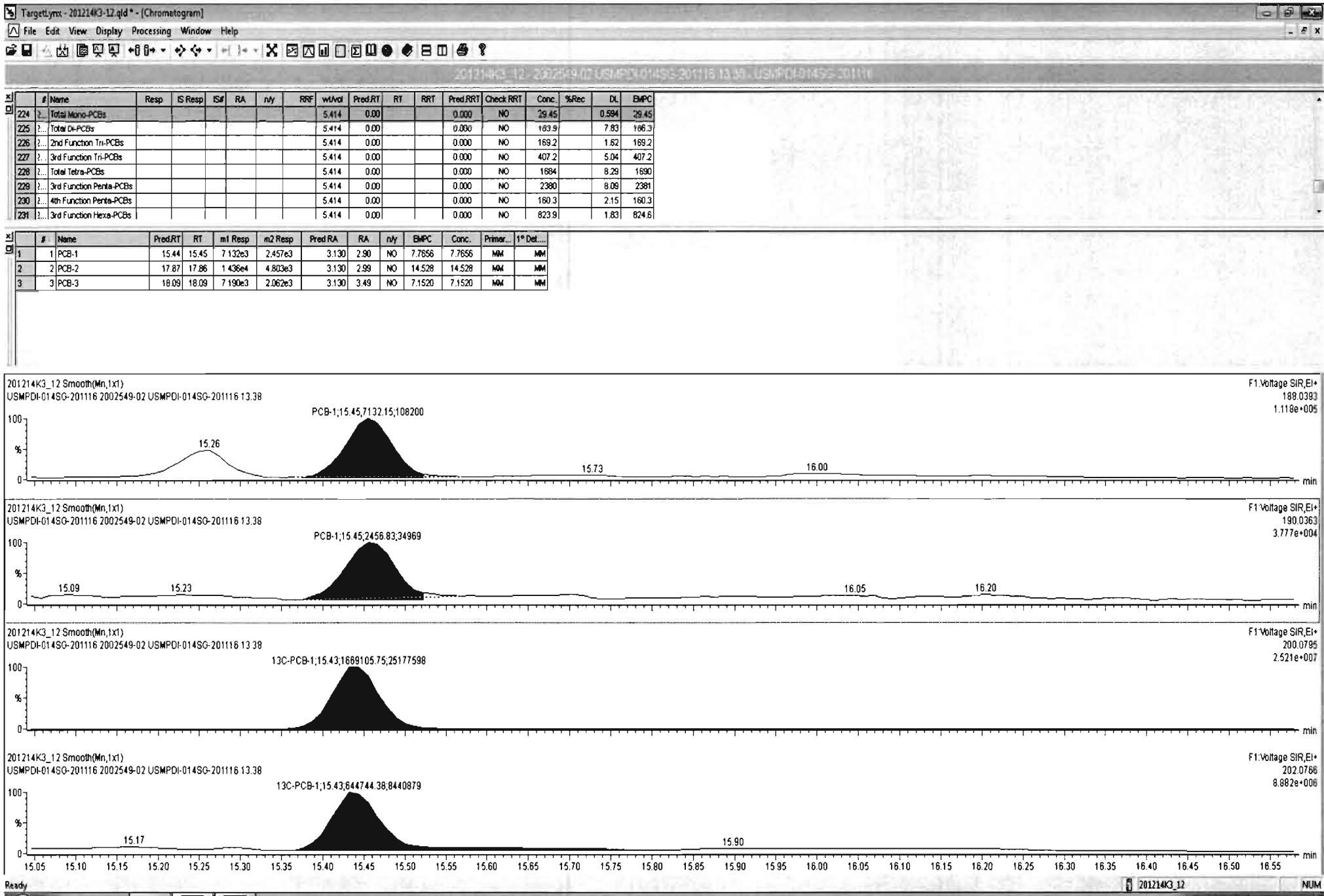
**13C-PCB-1**



**PFK1**

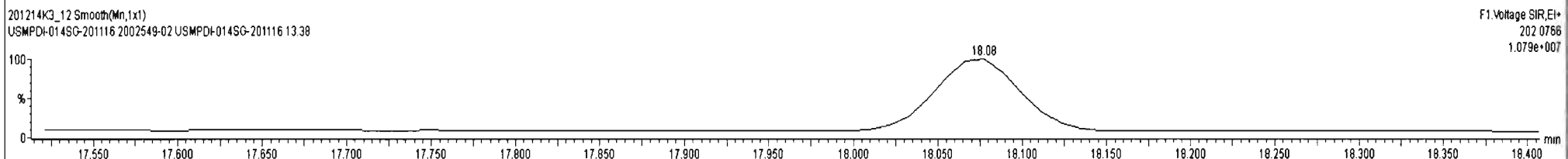
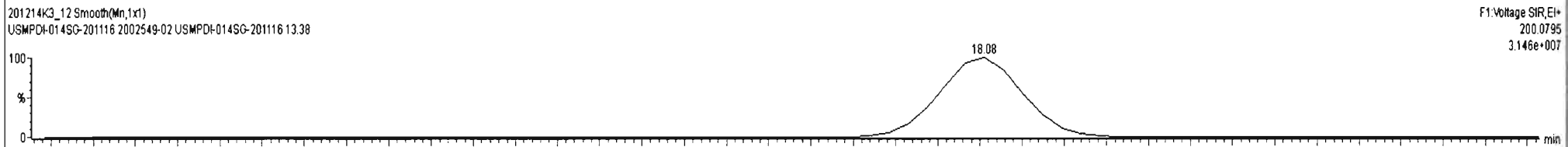
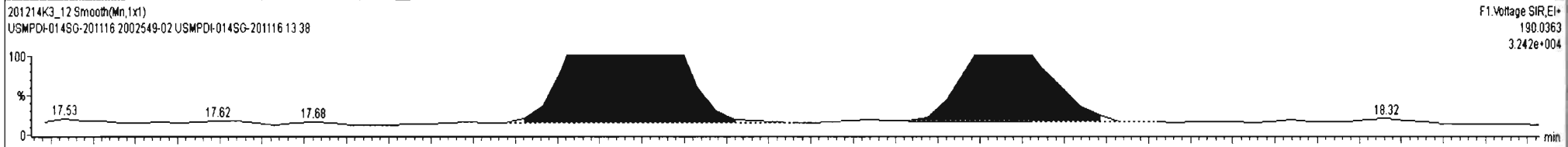
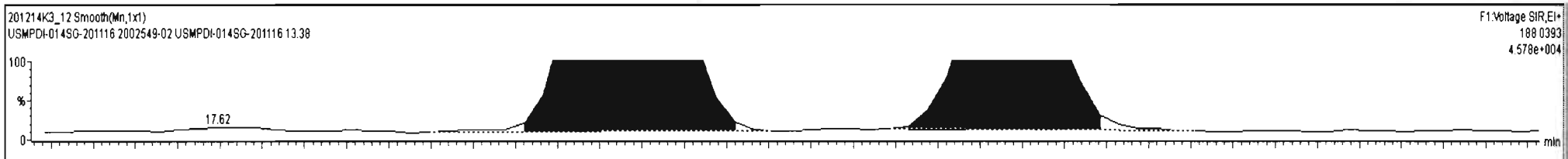






#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wtAvol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
224	2... Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	2... Total Di-PCBs							5.414	0.00			0.000	NO	183.9		7.83	186.3
226	2... 2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	2... 3rd Function Tri-PCBs							5.414	0.00			0.000	NO	407.2		5.04	407.2
228	2... Total Tetra-PCBs							5.414	0.00			0.000	NO	1884		8.28	1890
229	2... 3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	2... 4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	2... 3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	nly	EMPC	Conc.	Primer...	1* Det...
1	1 PCB-1	15.44	15.45	7.132e3	2.457e3	3.130	2.90	NO	7.7656	7.7656	MM	MM
2	2 PCB-2	17.87	17.86	1.436e4	4.803e3	3.130	2.99	NO	14.528	14.528	MM	MM
3	3 PCB-3	18.09	18.09	7.190e3	2.062e3	3.130	3.49	NO	7.1520	7.1520	MM	MM

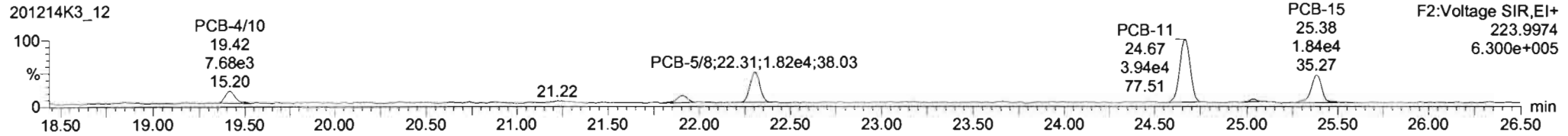
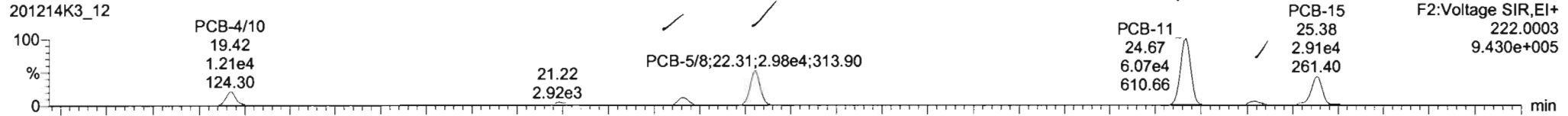


Dataset: Untitled

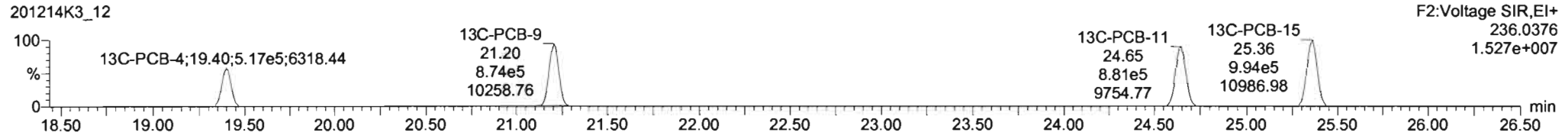
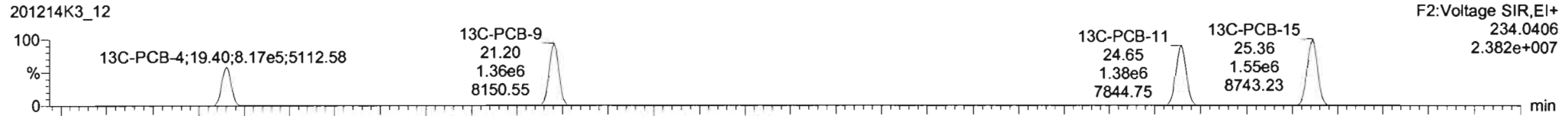
Last Altered: Tuesday, December 15, 2020 14:32:50 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

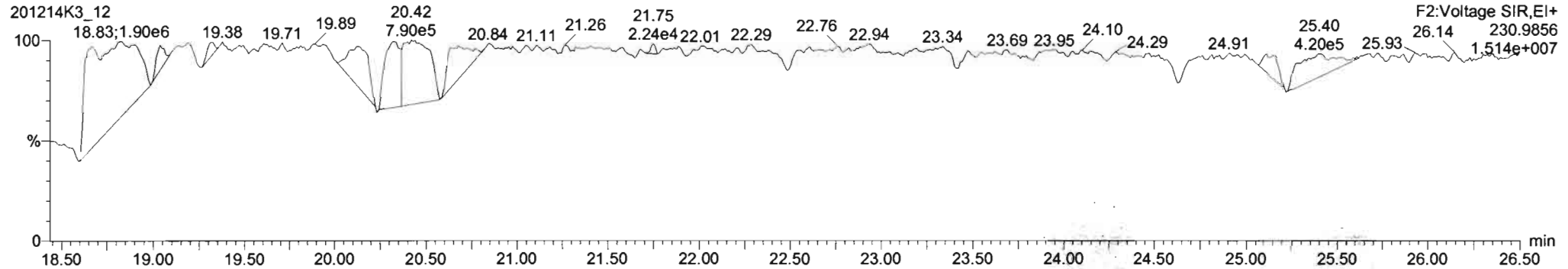
**PCB-4/10**

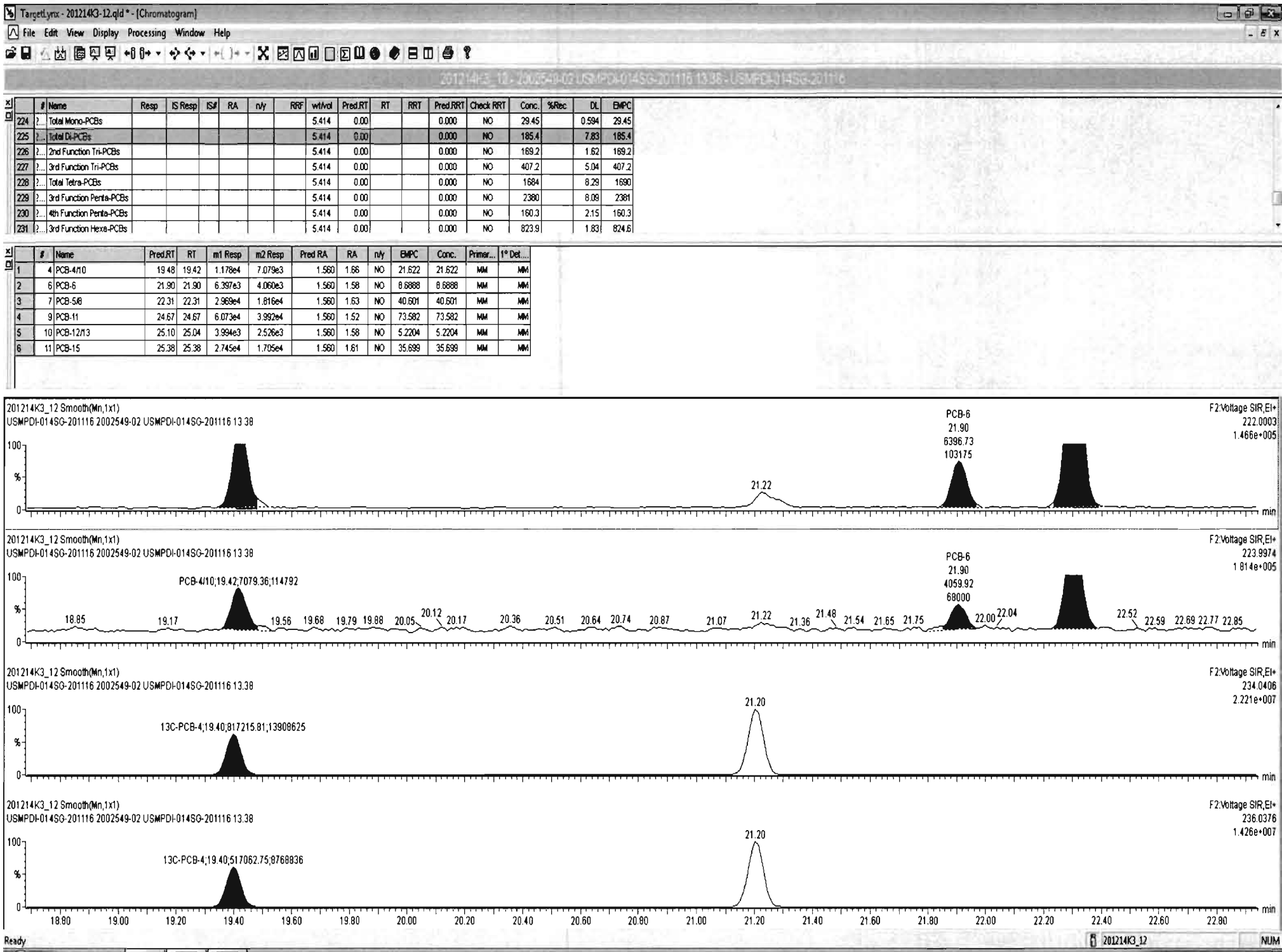


**13C-PCB-4**



**PFK2a**

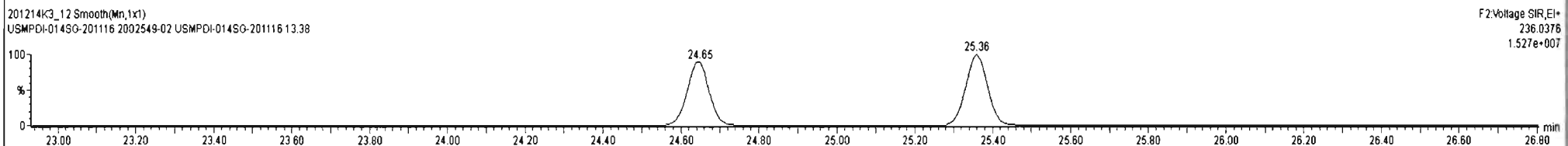
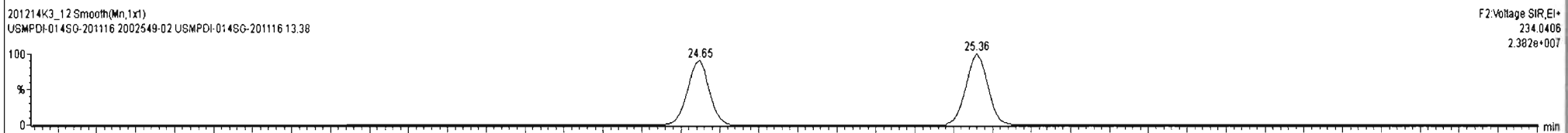
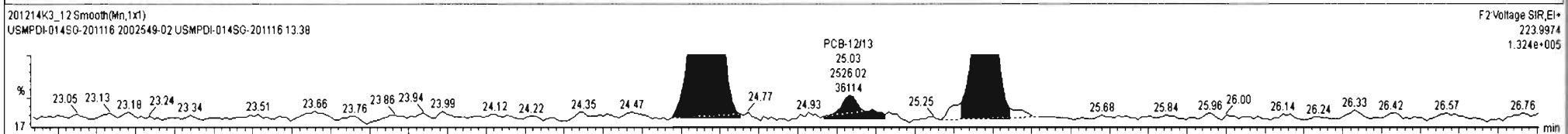
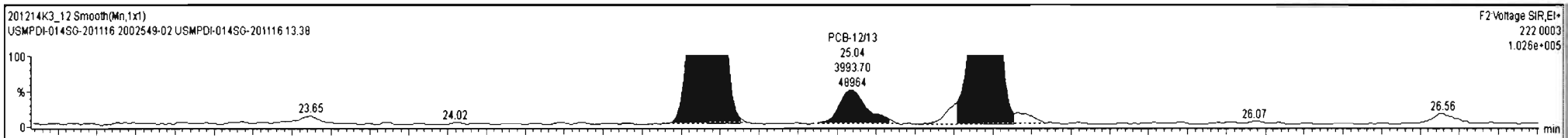




201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 USMPDI-014SG-201116

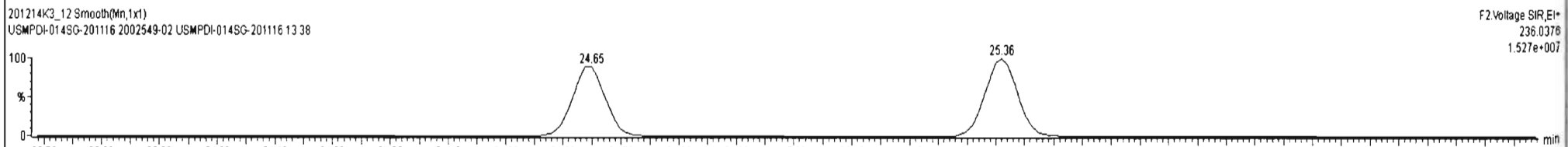
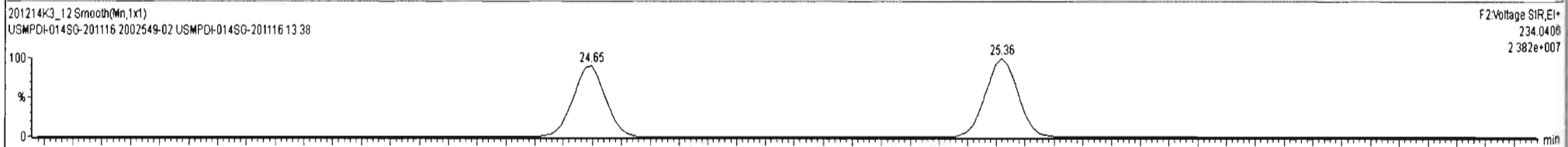
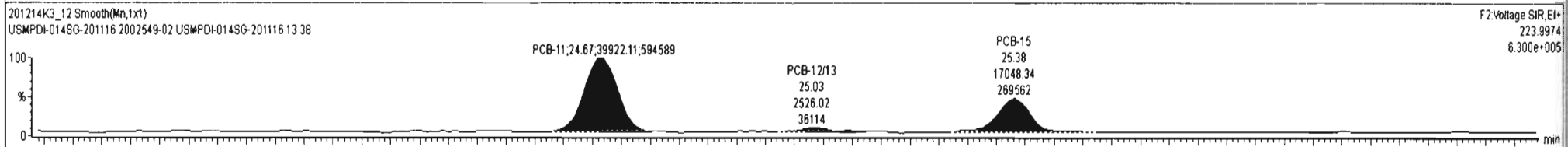
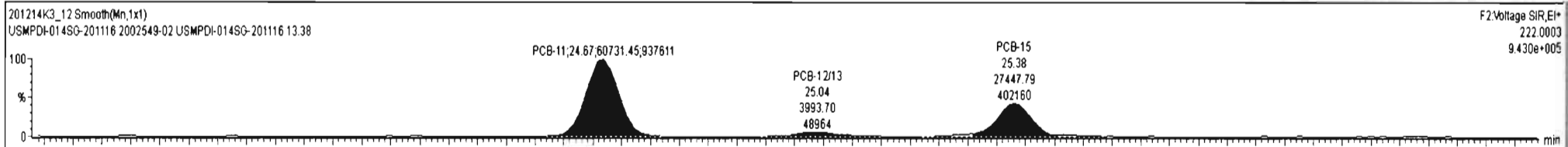
#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	407.2		5.04	407.2
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1684		8.29	1680
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	nly	EMPC	Conc.	Primar...	1° Det....
1	4 PCB-4/10	19.48	19.42	1.178e4	7.079e3	1.560	1.66	NO	21.622	21.622	MM	MM
2	6 PCB-6	21.90	21.90	6.397e3	4.060e3	1.560	1.58	NO	8.6888	8.6888	MM	MM
3	7 PCB-5/8	22.31	22.31	2.969e4	1.816e4	1.560	1.63	NO	40.601	40.601	MM	MM
4	9 PCB-11	24.67	24.67	6.073e4	3.952e4	1.560	1.52	NO	73.582	73.582	MM	MM
5	10 PCB-12/13	25.10	25.04	3.994e3	2.526e3	1.560	1.58	NO	5.2204	5.2204	MM	MM
6	11 PCB-15	25.38	25.38	2.745e4	1.705e4	1.560	1.61	NO	35.699	35.699	MM	MM



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.63	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	407.2		5.04	407.2
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1684		8.29	1680
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.	Primer...	* Det....
1	4 PCB-4/10	19.48	19.42	1.178e4	7.079e3	1.560	1.66	NO	21.622	21.622	MM	MM
2	6 PCB-6	21.90	21.90	6.397e3	4.060e3	1.560	1.58	NO	8.6888	8.6888	MM	MM
3	7 PCB-5/8	22.31	22.31	2.969e4	1.816e4	1.560	1.63	NO	40.601	40.601	MM	MM
4	9 PCB-11	24.67	24.67	6.073e4	3.992e4	1.560	1.52	NO	73.582	73.582	MM	MM
5	10 PCB-12/13	25.10	25.04	3.994e3	2.526e3	1.560	1.58	NO	5.2204	5.2204	MM	MM
6	11 PCB-15	25.38	25.38	2.745e4	1.705e4	1.560	1.61	NO	35.699	35.699	MM	MM



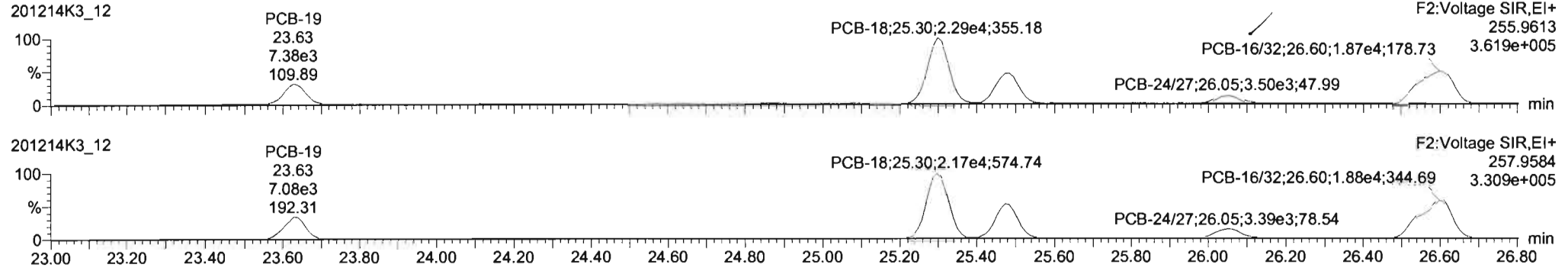
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Last Altered: Tuesday, December 15, 2020 14:32:50 Pacific Standard Time

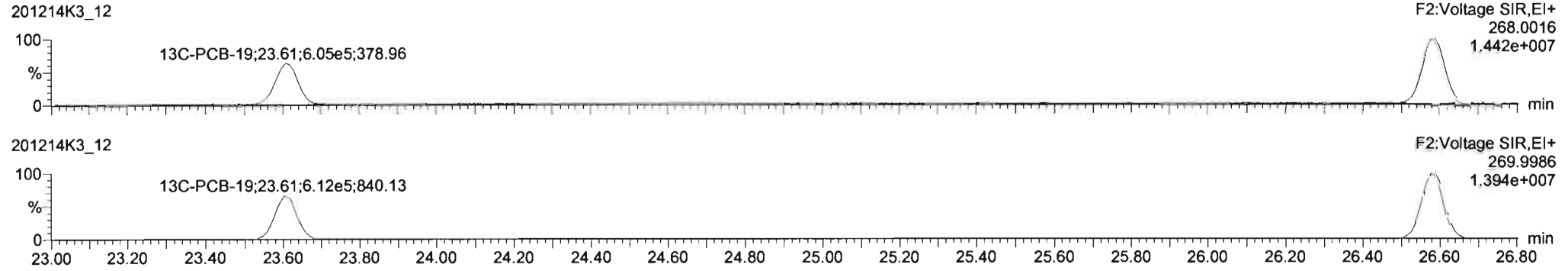
Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

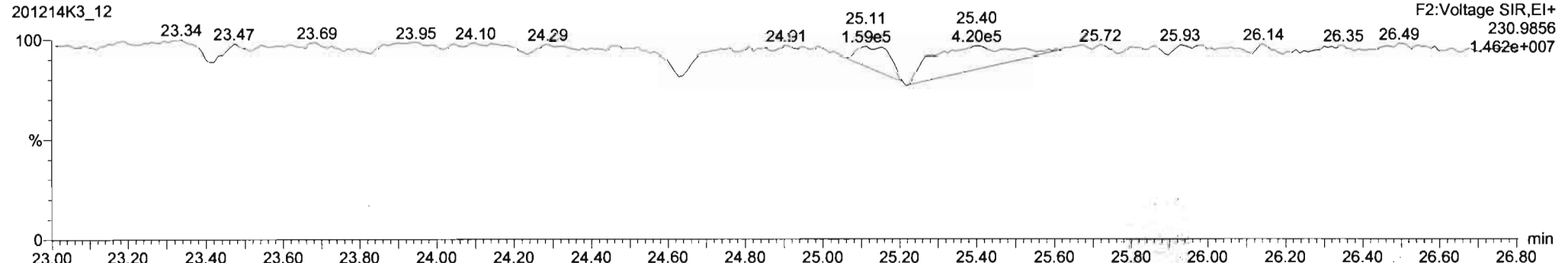
**PCB-19**



**13C-PCB-19**



**PFK2b**

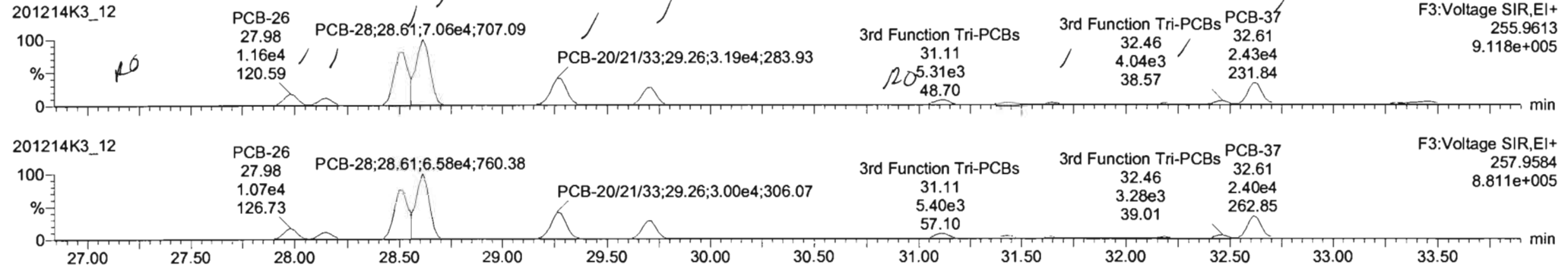


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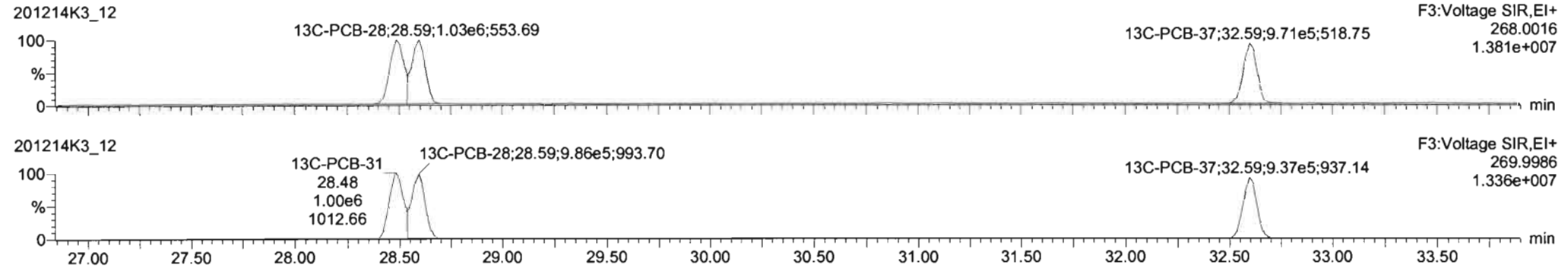
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

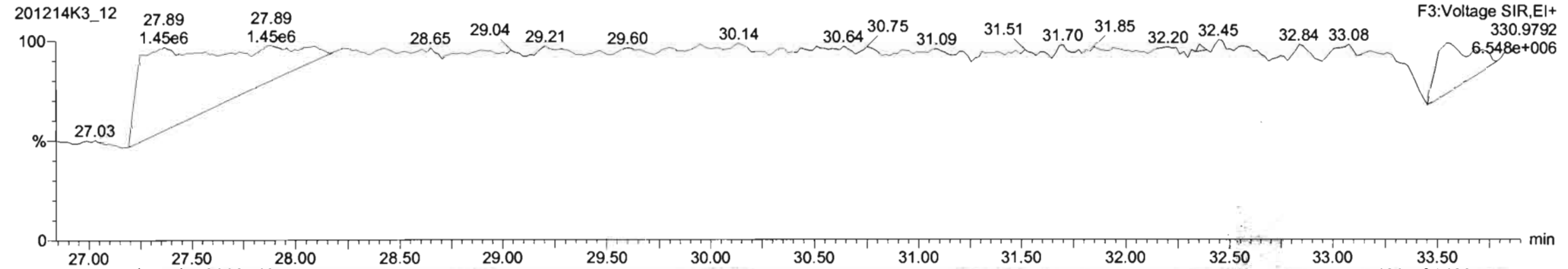
**PCB-34**



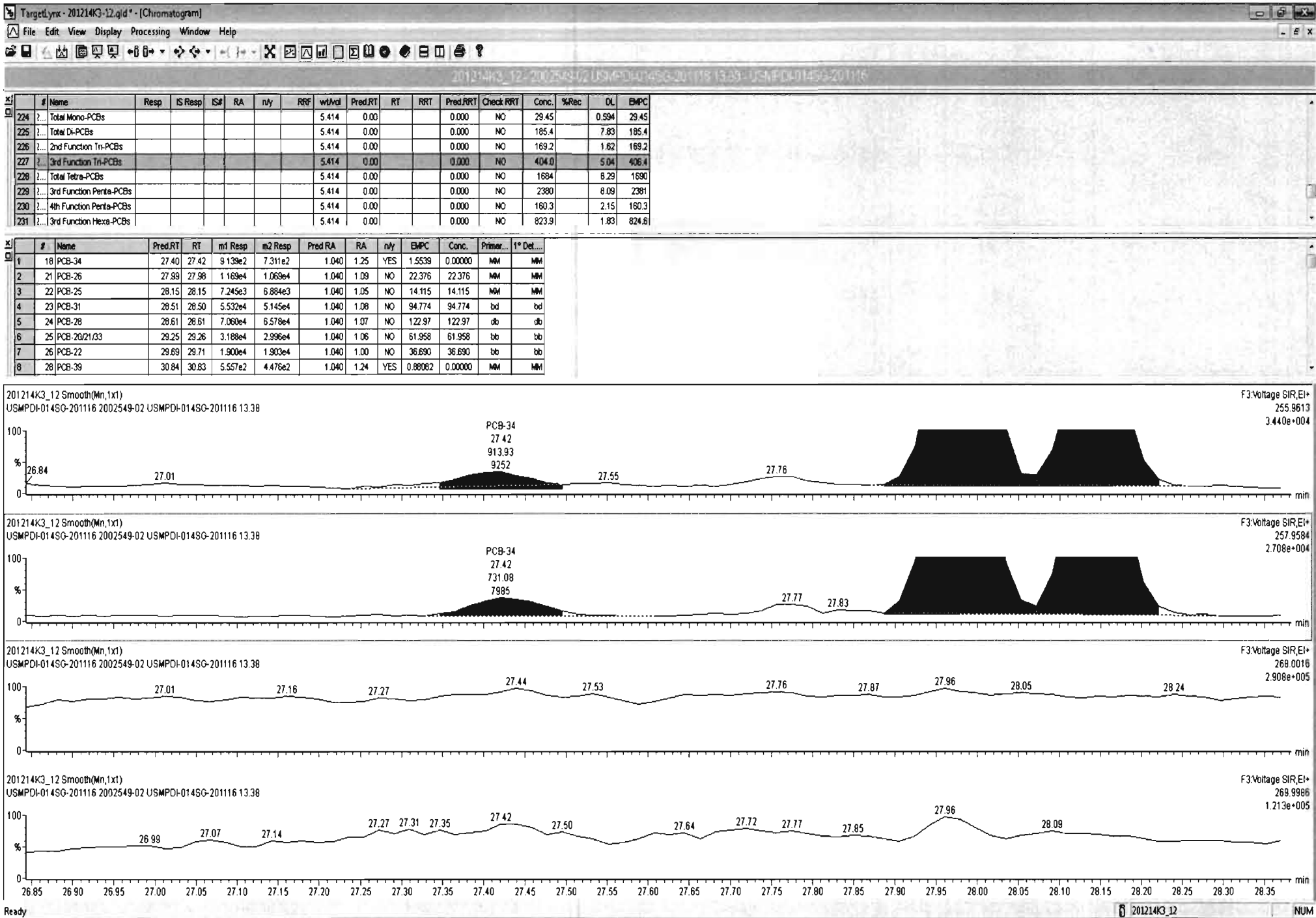
**13C-PCB-28**



**PFK3d**

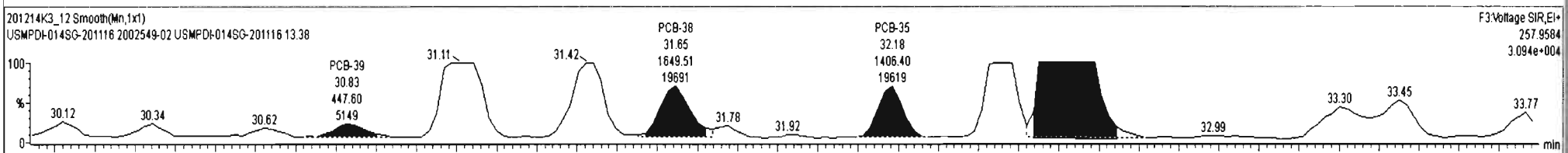
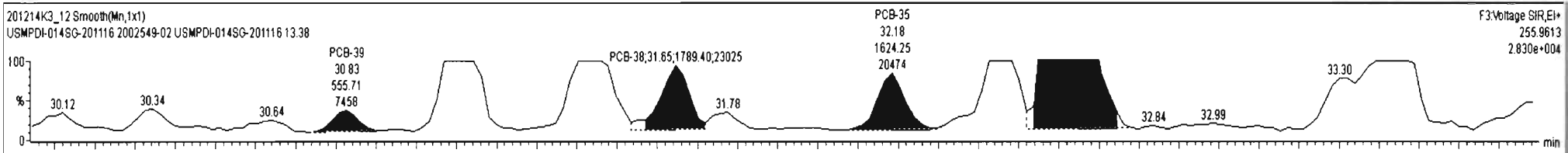






#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wLvl	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1684		8.29	1690
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	18 PCB-34	27.40	27.42	9.139e2	7.311e2	1.040	1.25	YES	1.5539	0.00000	MM	MM
2	21 PCB-26	27.99	27.98	1.169e4	1.069e4	1.040	1.09	NO	22.376	22.376	MM	MM
3	22 PCB-25	28.15	28.15	7.245e3	6.884e3	1.040	1.05	NO	14.115	14.115	MM	MM
4	23 PCB-31	28.51	28.50	5.532e4	5.145e4	1.040	1.08	NO	94.774	94.774	bd	bd
5	24 PCB-28	28.61	28.61	7.060e4	6.578e4	1.040	1.07	NO	122.97	122.97	db	db
6	25 PCB-20/21/33	29.25	29.26	3.188e4	2.996e4	1.040	1.06	NO	61.958	61.958	bb	bb
7	26 PCB-22	29.69	29.71	1.900e4	1.903e4	1.040	1.00	NO	36.690	36.690	bb	bb
8	28 PCB-39	30.84	30.83	5.557e2	4.476e2	1.040	1.24	YES	0.88062	0.00000	MM	MM



Dataset: Untitled

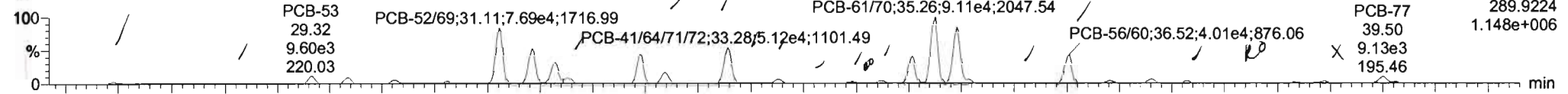
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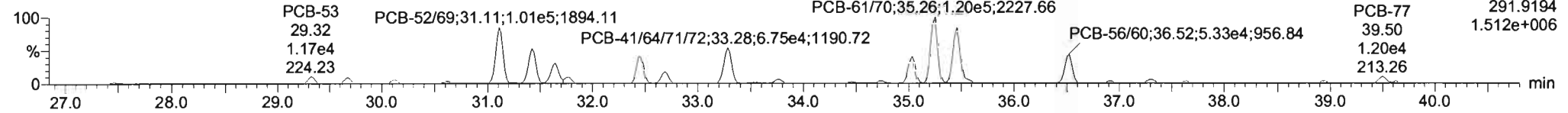
Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

**PCB-54**

201214K3\_12

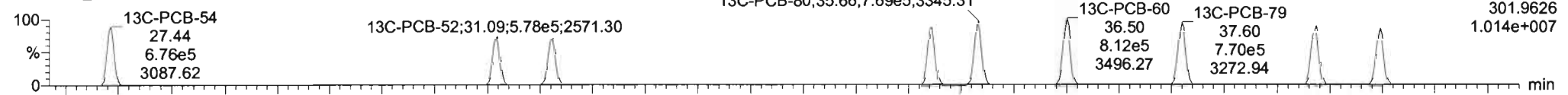


201214K3\_12

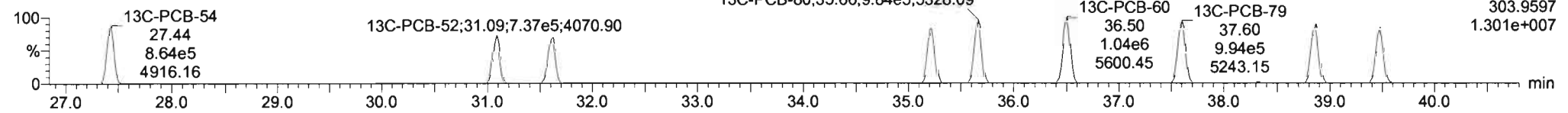


**13C-PCB-54**

201214K3\_12

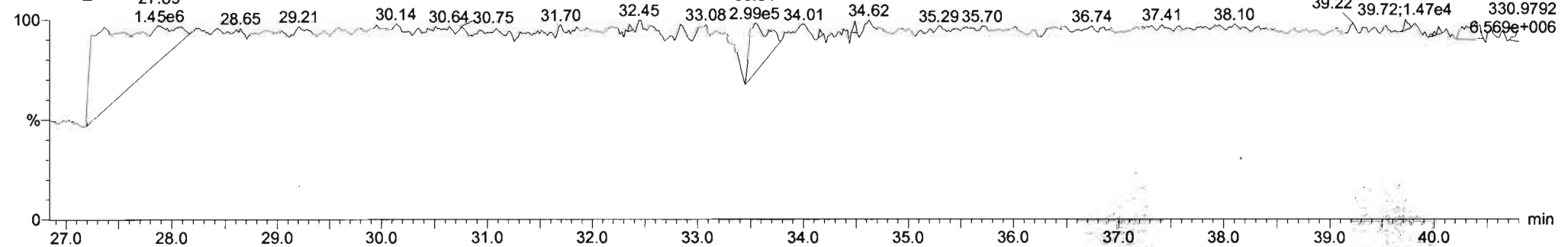


201214K3\_12



**PFK3a**

201214K3\_12



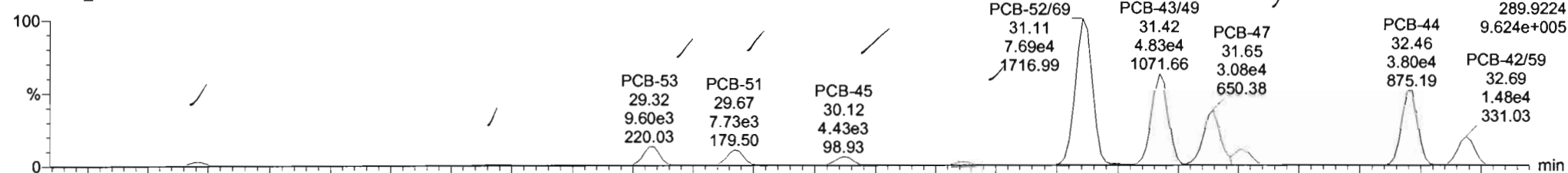
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

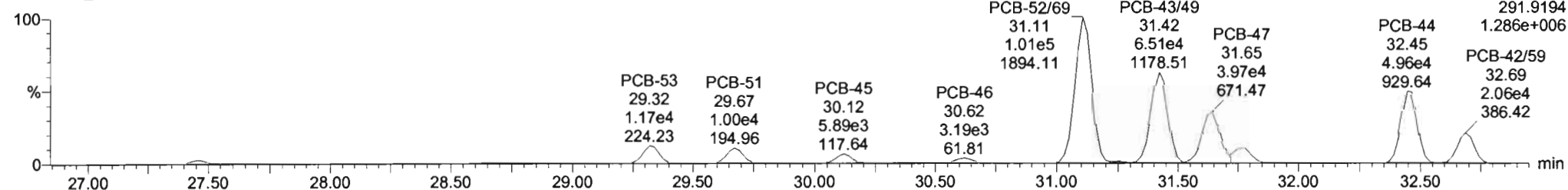
Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

PCB-50

201214K3\_12

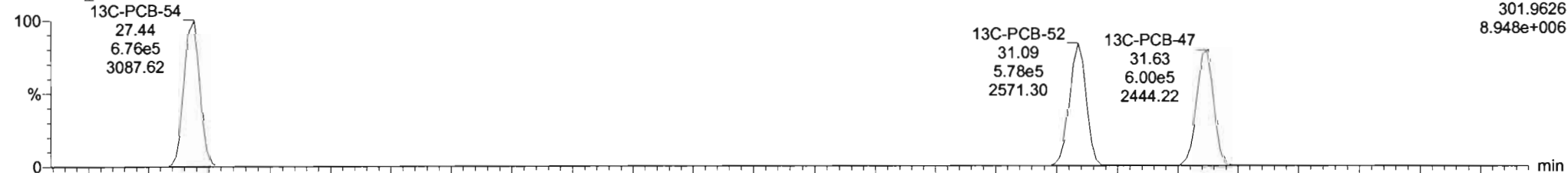


201214K3\_12

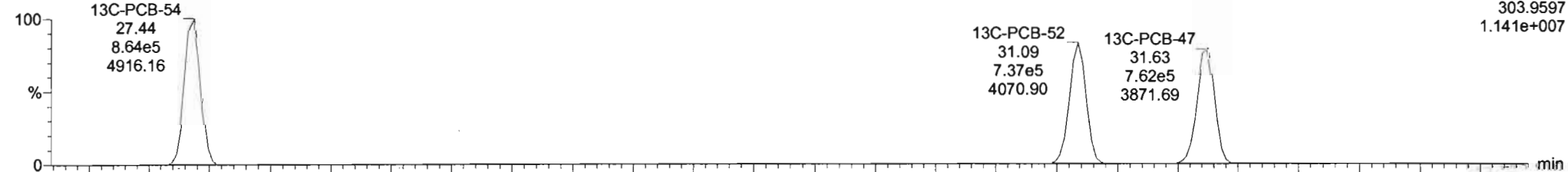


13C-PCB-52

201214K3\_12

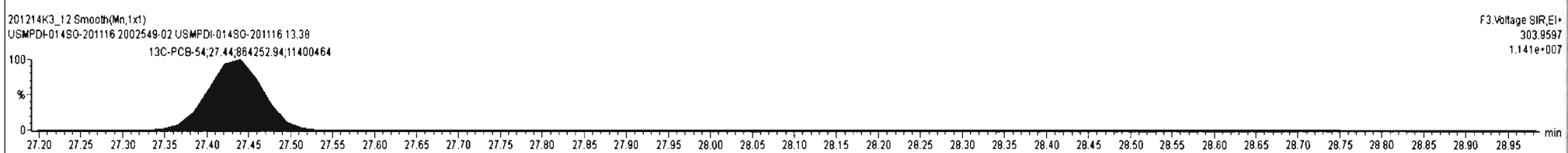
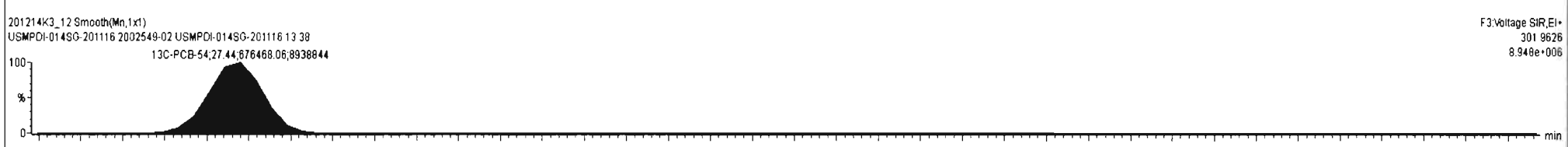
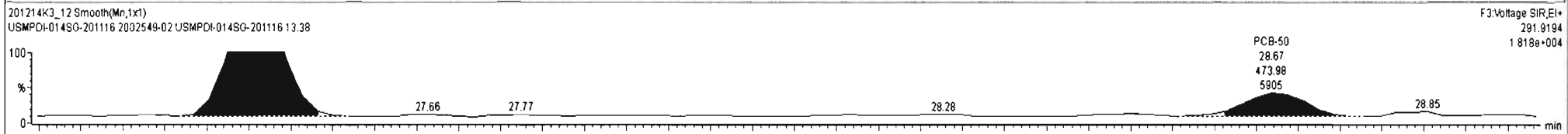
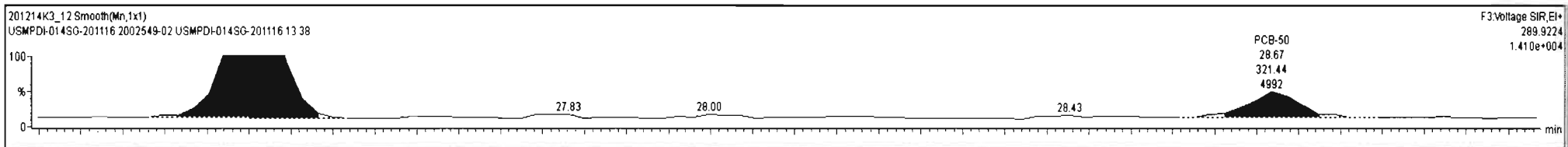


201214K3\_12



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	28.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1671		8.28	1673
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det....
1	32 PCB-54	27.46	27.46	1.935e3	2.313e3	0.770	0.84	NO	5.2272	5.2272	MM	MM
2	33 PCB-50	28.66	28.67	3.214e2	4.740e2	0.770	0.68	NO	1.1878	1.1878	MM	MM
3	34 PCB-53	29.32	29.32	9.595e3	1.173e4	0.770	0.82	NO	31.886	31.886	bb	bb
4	35 PCB-51	29.68	29.67	7.734e3	1.002e4	0.770	0.77	NO	24.940	24.940	bb	bb
5	36 PCB-45	30.13	30.12	4.433e3	5.886e3	0.770	0.75	NO	18.056	18.056	bb	bb
6	37 PCB-46	30.63	30.62	2.098e3	3.191e3	0.770	0.66	NO	9.6408	9.6408	bb	bb
7	38 PCB-5269	31.12	31.11	7.694e4	1.008e5	0.770	0.76	NO	230.65	230.65	bd	bd
8	40 PCB-4349	31.41	31.42	4.828e4	6.514e4	0.770	0.74	NO	172.17	172.17	dd	dd

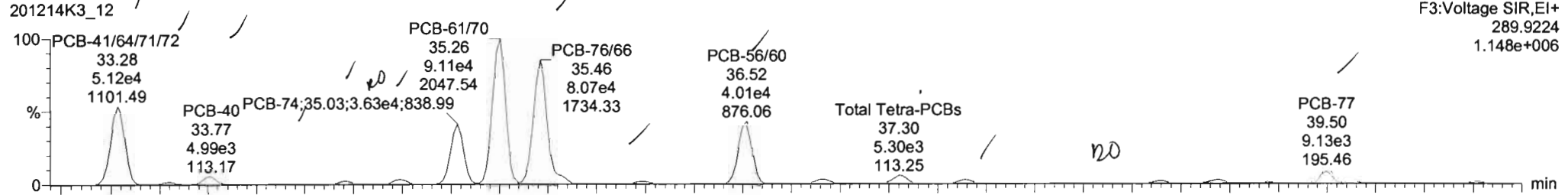


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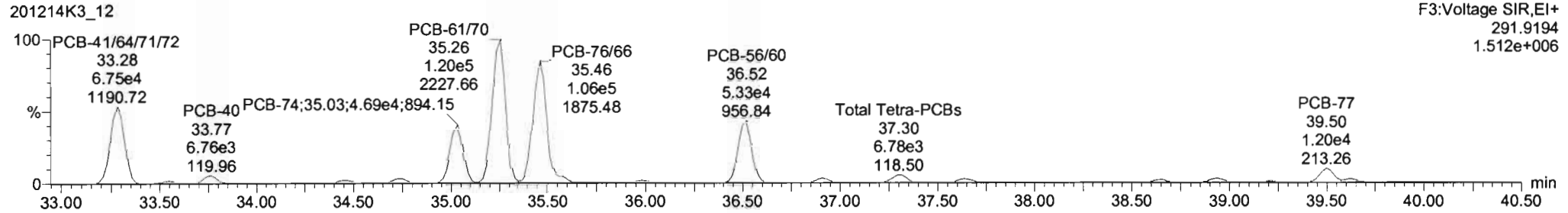
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

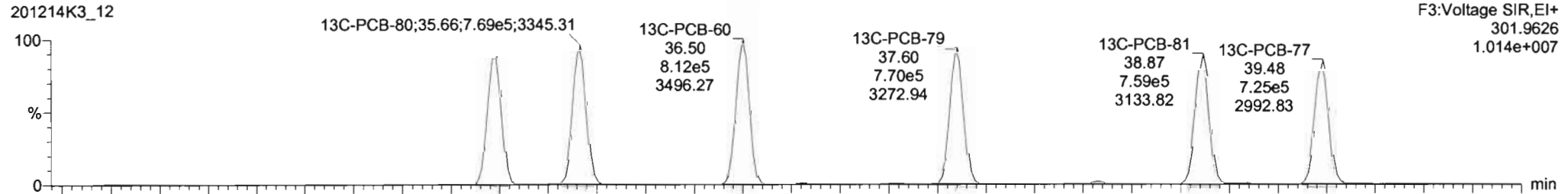
PCB-68



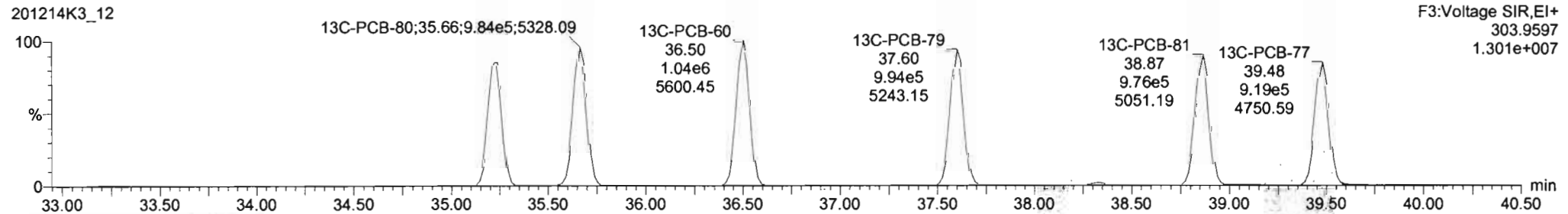
PCB-68



13C-PCB-60



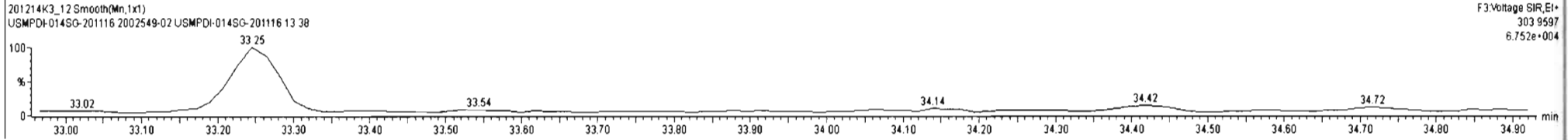
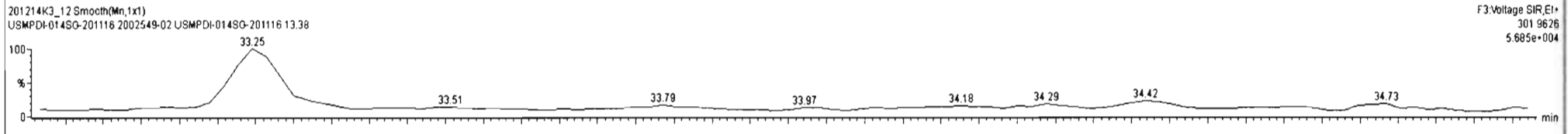
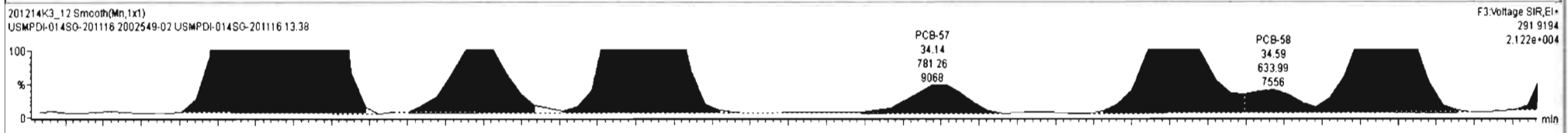
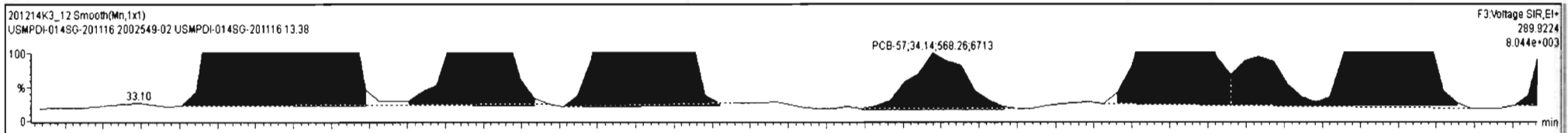
13C-PCB-60



201214K3\_12 - 2002549-02 USMPDI-014SG-201116 13 38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	165.4		7.83	165.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1672		8.29	1674
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	180.3		2.15	180.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

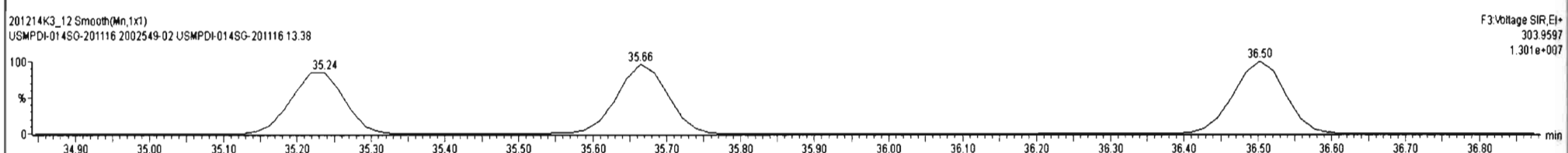
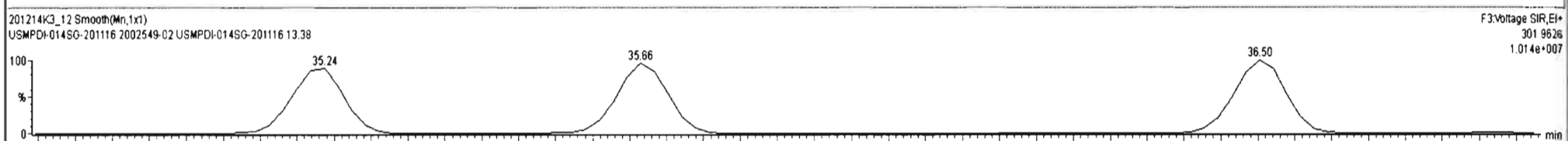
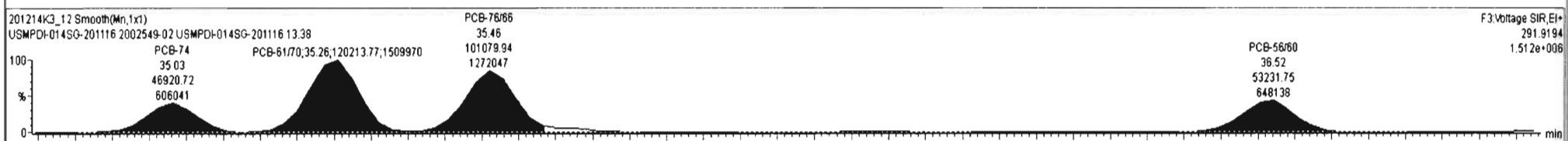
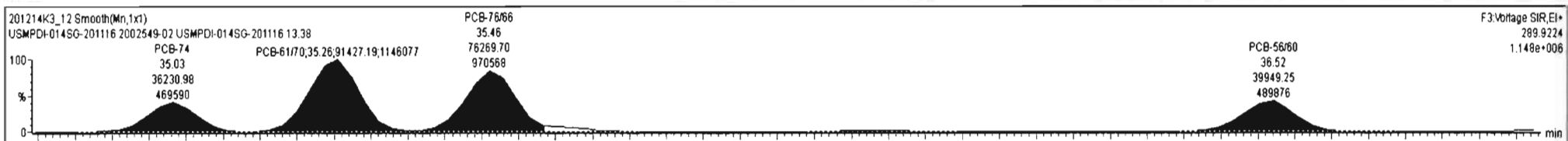
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.	Primar...	1* Det...
1	32 PCB-54	27.46	27.46	1.969e3	2.356e3	0.770	0.84	NO	5.3211	5.3211	bb	bb
2	33 PCB-50	28.66	28.67	3.655e2	4.994e2	0.770	0.73	NO	1.2916	1.2916	bb	bb
3	34 PCB-53	29.32	29.32	9.595e3	1.173e4	0.770	0.82	NO	31.886	31.886	bb	bb
4	35 PCB-51	29.88	29.87	7.734e3	1.002e4	0.770	0.77	NO	24.940	24.940	bb	bb
5	36 PCB-45	30.13	30.12	4.433e3	5.886e3	0.770	0.75	NO	18.056	18.056	bb	bb
6	37 PCB-46	30.63	30.62	2.098e3	3.191e3	0.770	0.66	NO	9.6408	9.6408	bb	bb
7	38 PCB-52/69	31.12	31.11	7.694e4	1.008e5	0.770	0.76	NO	230.65	230.65	bd	bd
8	40 PCB-43/49	31.41	31.42	4.828e4	6.514e4	0.770	0.74	NO	172.17	172.17	dd	dd



201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 - DEMPCA-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RF#	w/wd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1672		8.29	1674
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	*% Det....
1	32 PCB-54	27.46	27.46	1.969e3	2.356e3	0.770	0.84	NO	5.3211	5.3211	bb	bb
2	33 PCB-50	28.66	28.67	3.655e2	4.994e2	0.770	0.73	NO	1.2916	1.2916	bb	bb
3	34 PCB-53	29.32	29.32	9.595e3	1.173e4	0.770	0.82	NO	31.886	31.886	bb	bb
4	35 PCB-51	29.68	29.67	7.734e3	1.002e4	0.770	0.77	NO	24.940	24.940	bb	bb
5	36 PCB-45	30.13	30.12	4.433e3	5.886e3	0.770	0.75	NO	18.056	18.056	bb	bb
6	37 PCB-46	30.63	30.62	2.098e3	3.191e3	0.770	0.66	NO	9.6408	9.6408	bb	bb
7	38 PCB-5269	31.12	31.11	7.694e4	1.008e5	0.770	0.76	NO	230.65	230.65	bd	bd
8	40 PCB-4349	31.41	31.42	4.828e4	6.514e4	0.770	0.74	NO	172.17	172.17	dd	dd

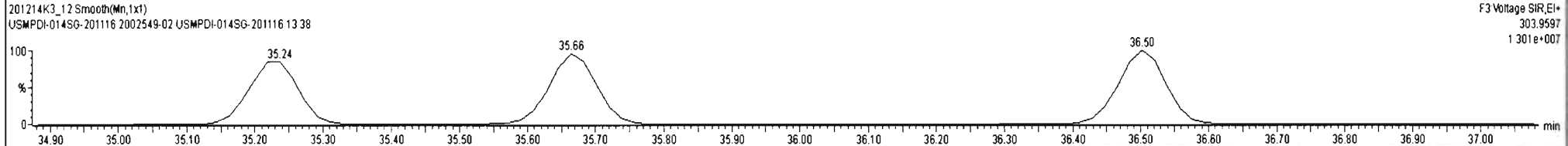
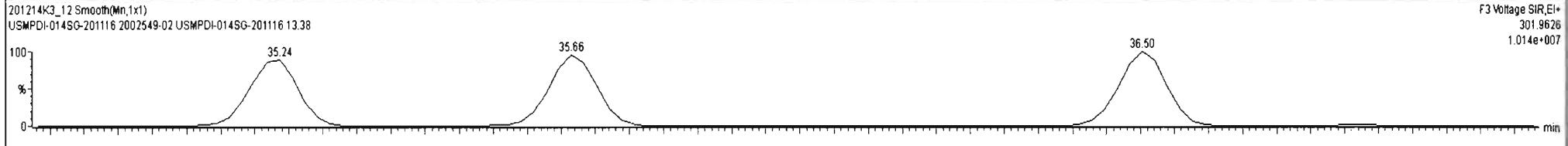
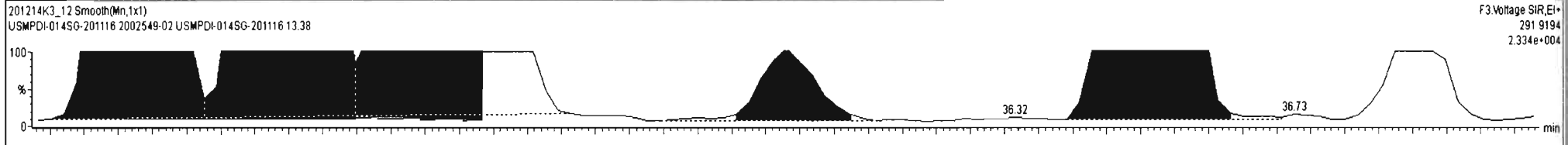
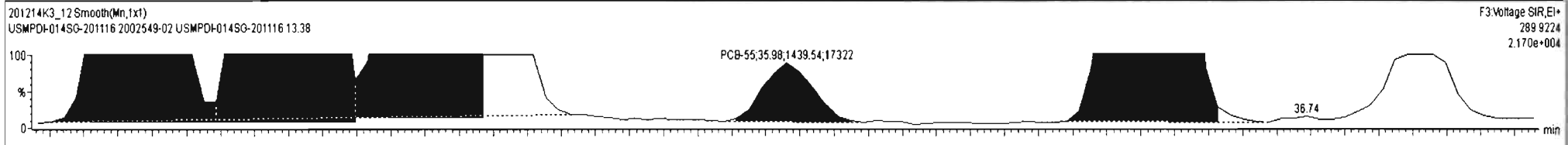




201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 USMPDI-014SG-201116

#	Name	Resp	IS Resp	ISf	RA	nly	RfF	wtVcl	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	167.2		8.29	167.4
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2360		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

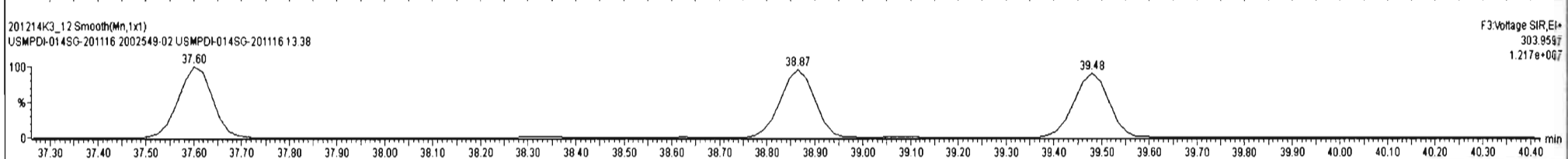
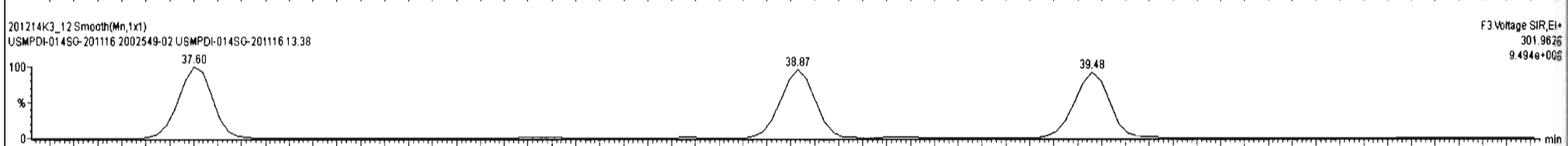
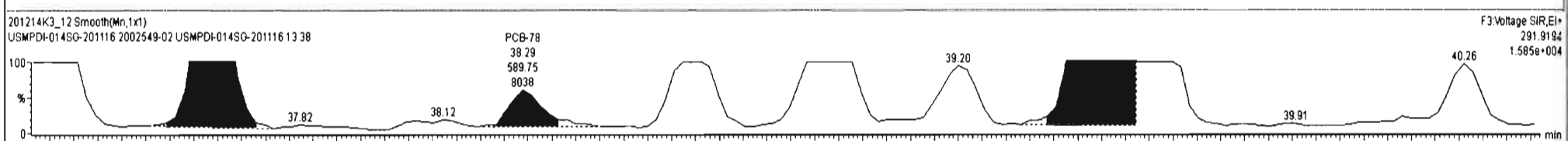
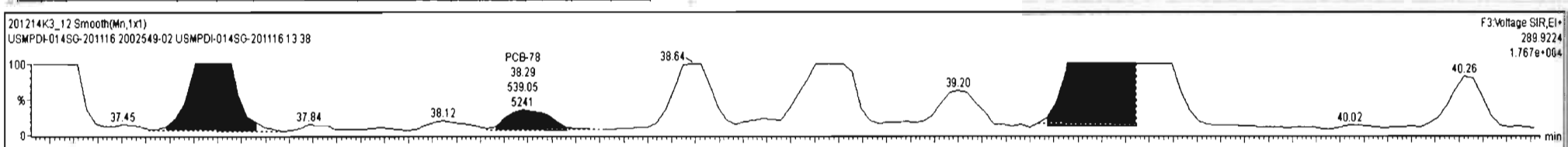
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	EMPC	Conc.	Primer...	1° Det...
1	32 PCB-54	27.46	27.46	1.969e3	2.356e3	0.770	0.84	NO	5.3211	5.3211	bb	bb
2	33 PCB-50	28.66	28.67	3.655e2	4.994e2	0.770	0.73	NO	1.2916	1.2916	bb	bb
3	34 PCB-53	29.32	29.32	9.595e3	1.173e4	0.770	0.82	NO	31.886	31.886	bb	bb
4	35 PCB-51	29.68	29.67	7.734e3	1.002e4	0.770	0.77	NO	24.940	24.940	bb	bb
5	36 PCB-45	30.13	30.12	4.433e3	5.886e3	0.770	0.75	NO	18.056	18.056	bb	bb
6	37 PCB-46	30.63	30.62	2.098e3	3.191e3	0.770	0.66	NO	9.6408	9.6408	bb	bb
7	38 PCB-5269	31.12	31.11	7.694e4	1.008e5	0.770	0.76	NO	230.65	230.65	bd	bd
8	40 PCB-4349	31.41	31.42	4.828e4	6.514e4	0.770	0.74	NO	172.17	172.17	dd	dd



201214K3\_12 - 2002549-02 USMPDI-014SG-201116 13 38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45	0.594	29.45	
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4	7.83	185.4	
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2	1.62	169.2	
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0	5.04	406.4	
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	157.2	8.29	157.4	
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2380	8.09	2381	
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3	2.15	160.3	
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.91	1.83	824.6	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	nly	EMPC	Conc.	Primer...	1* Det...
1	32 PCB-54	27.46	27.46	1.969e3	2.356e3	0.770	0.84	NO	5.3211	5.3211	bb	bb
2	33 PCB-50	28.66	28.67	3.655e2	4.994e2	0.770	0.73	NO	1.2916	1.2916	bb	bb
3	34 PCB-53	29.32	29.32	9.595e3	1.173e4	0.770	0.82	NO	31.886	31.886	bb	bb
4	35 PCB-51	29.68	29.67	7.734e3	1.002e4	0.770	0.77	NO	24.940	24.940	bb	bb
5	36 PCB-45	30.13	30.12	4.433e3	5.886e3	0.770	0.75	NO	18.056	18.056	bb	bb
6	37 PCB-46	30.63	30.62	2.098e3	3.191e3	0.770	0.66	NO	9.6408	9.6408	bb	bb
7	38 PCB-5269	31.12	31.11	7.694e4	1.008e5	0.770	0.76	NO	230.65	230.65	bd	bd
8	40 PCB-4349	31.41	31.42	4.828e4	6.514e4	0.770	0.74	NO	172.17	172.17	dd	dd



Dataset: Untitled

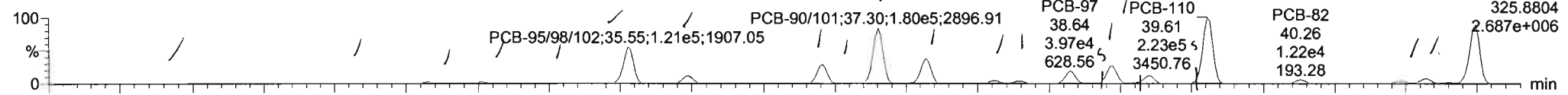
Last Altered: Tuesday, December 15, 2020 14:32:50 Pacific Standard Time

Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

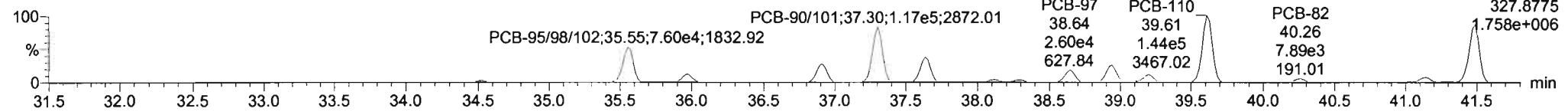
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**PCB-104**

201214K3\_12

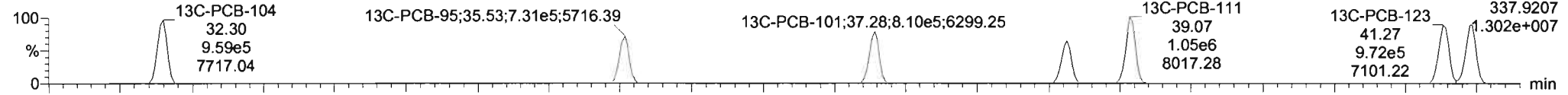


201214K3\_12

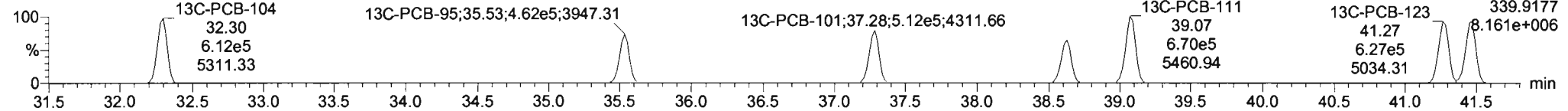


**13C-PCB-104**

201214K3\_12

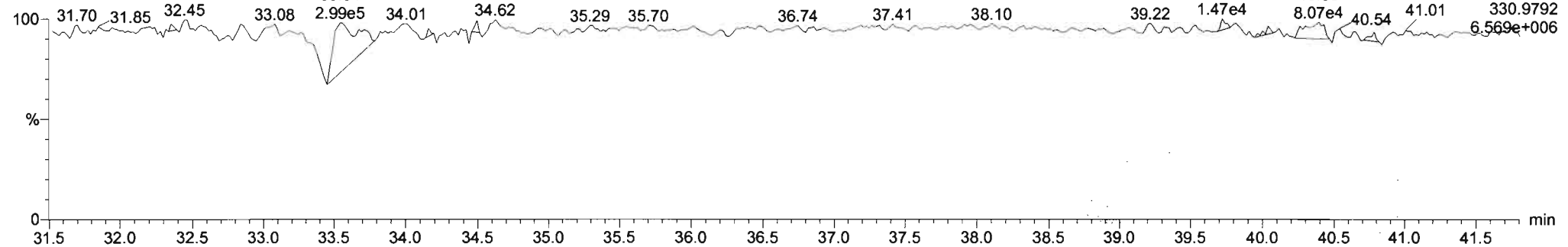


201214K3\_12



**PFK3b**

201214K3\_12



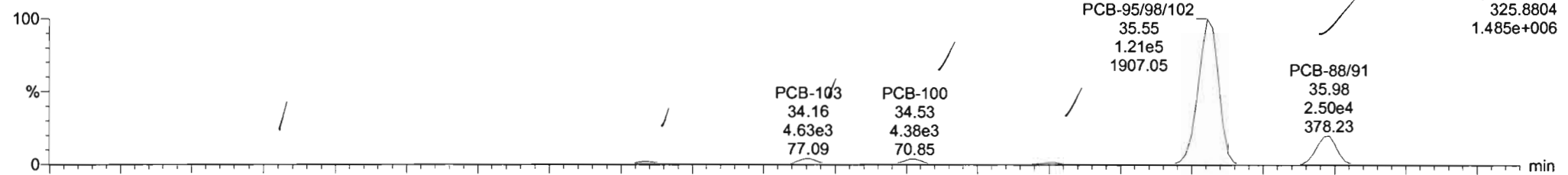
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

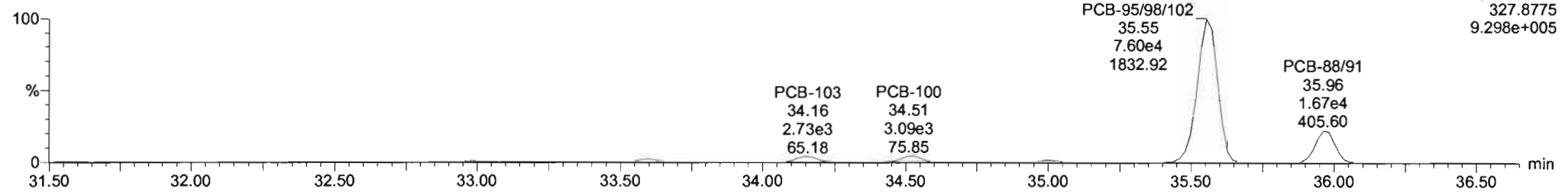
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**PCB-96**

201214K3\_12

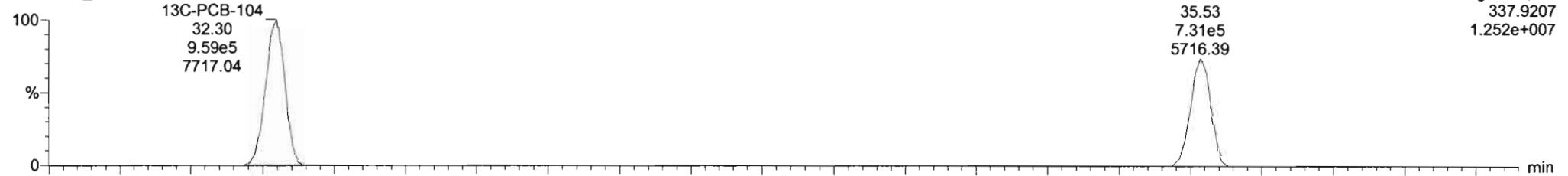


201214K3\_12

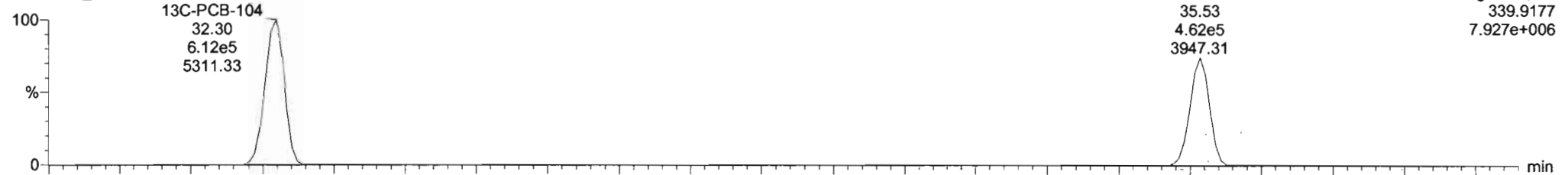


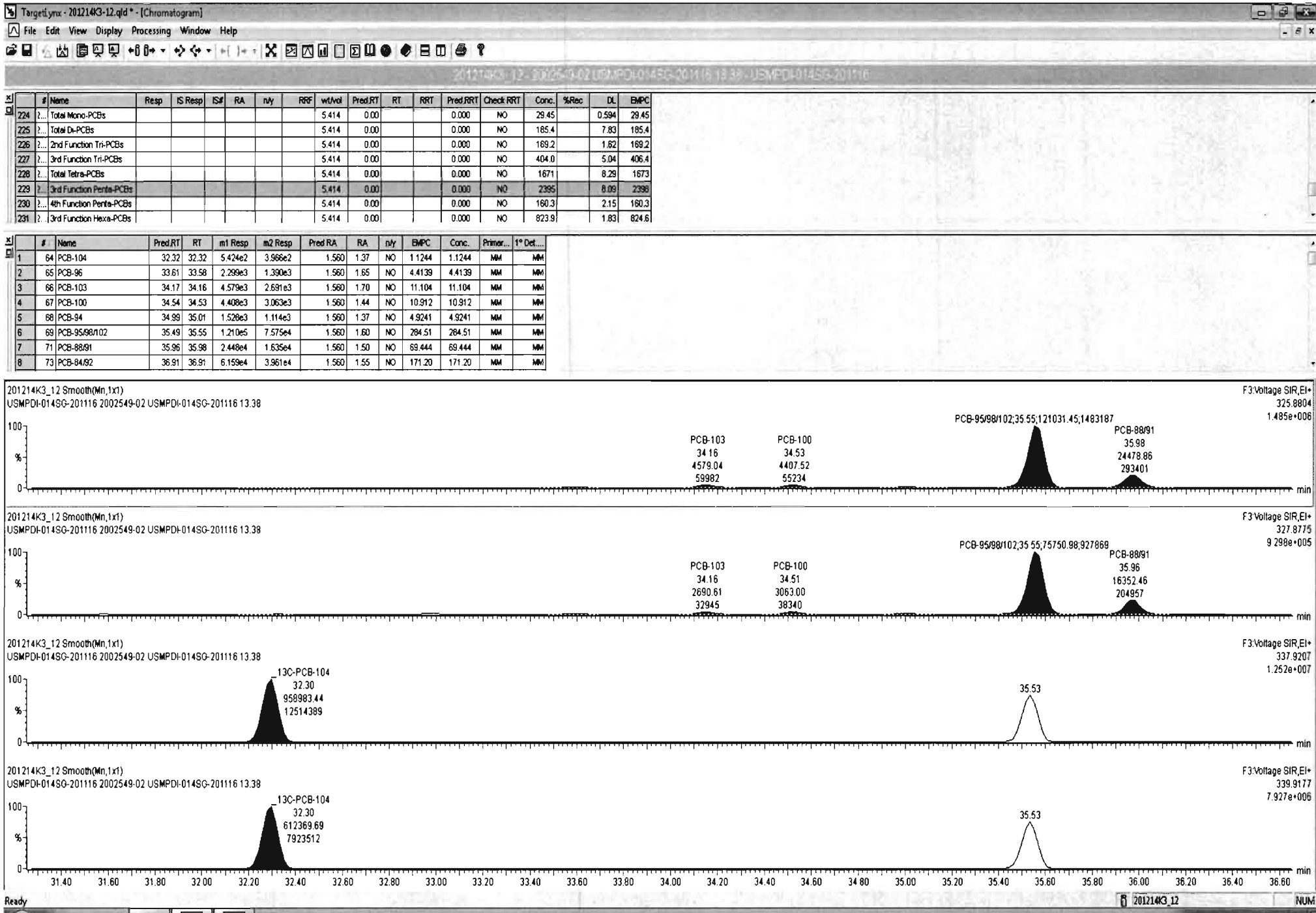
**13C-PCB-95**

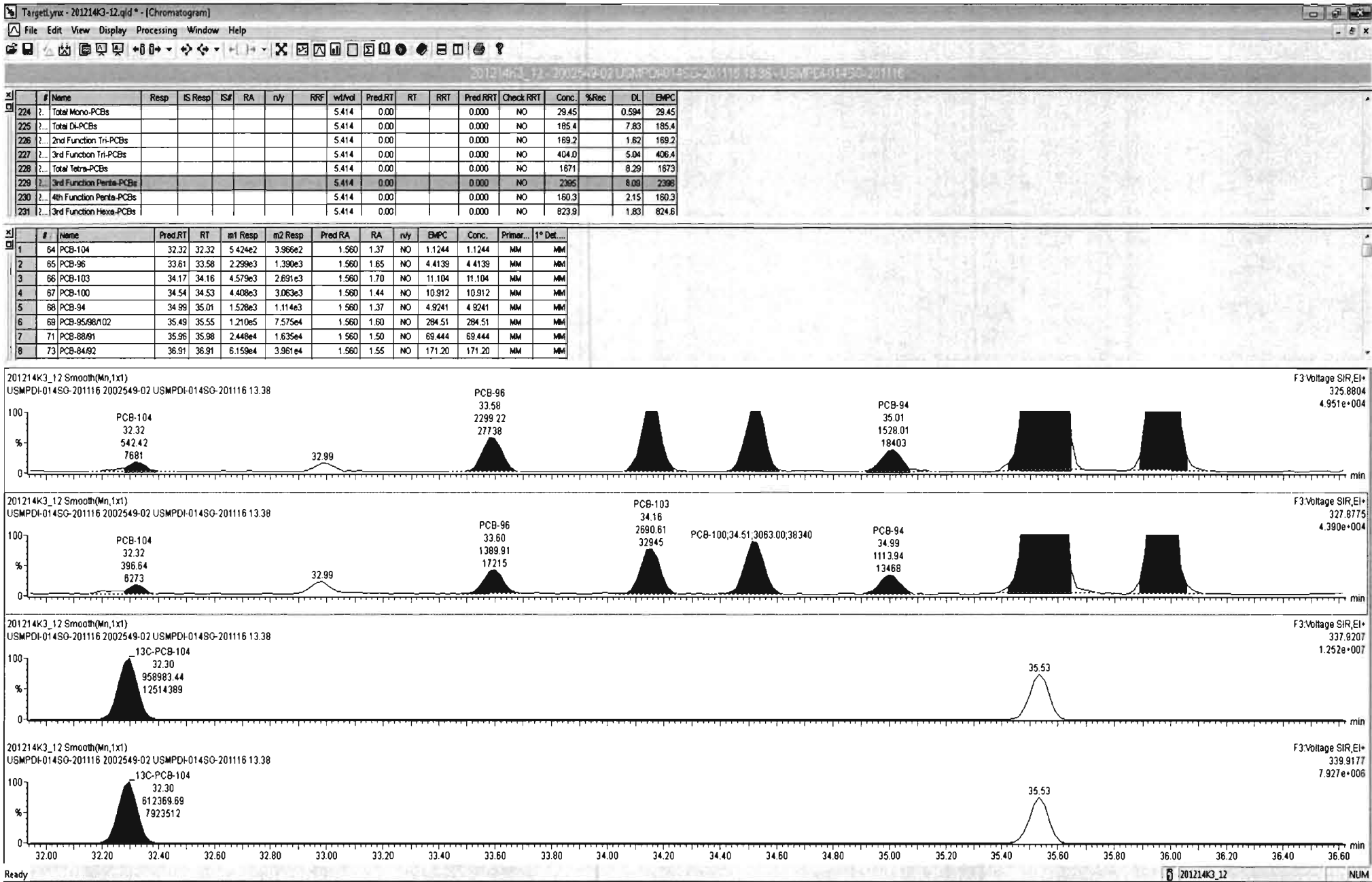
201214K3\_12



201214K3\_12





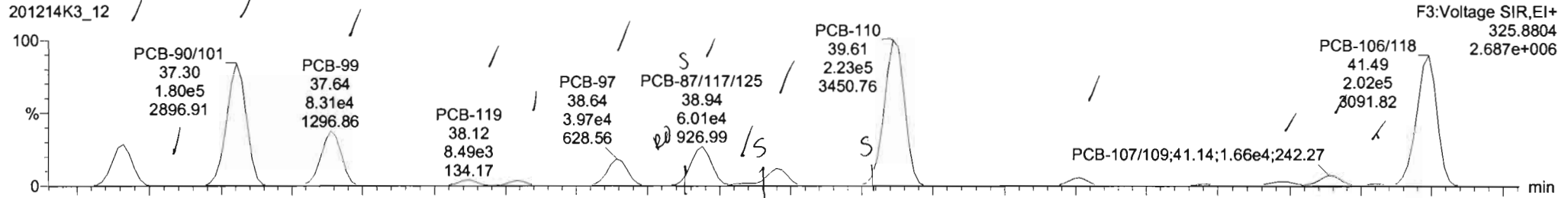


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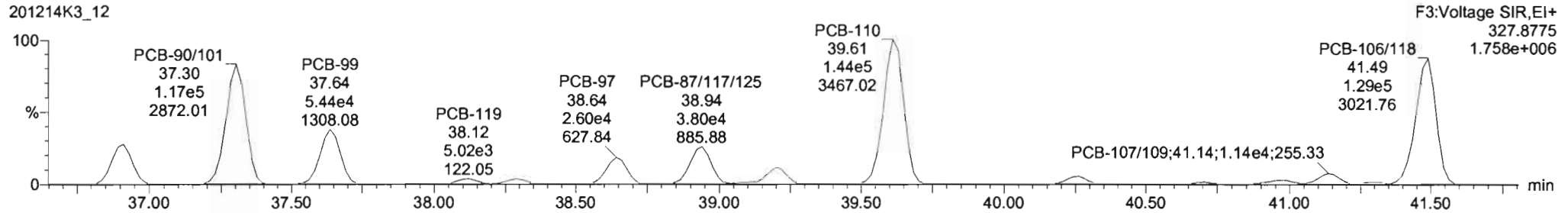
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

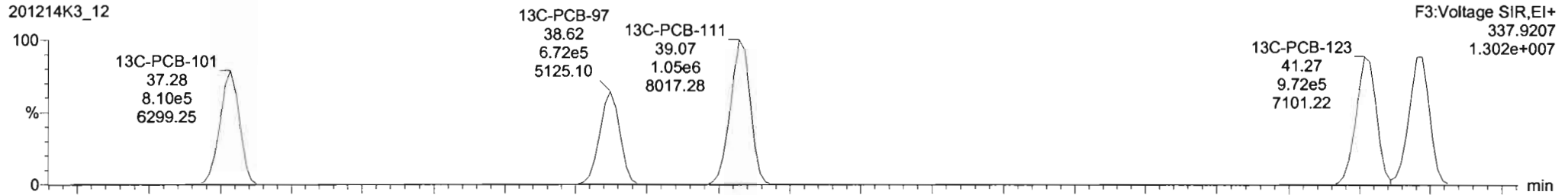
PCB-119



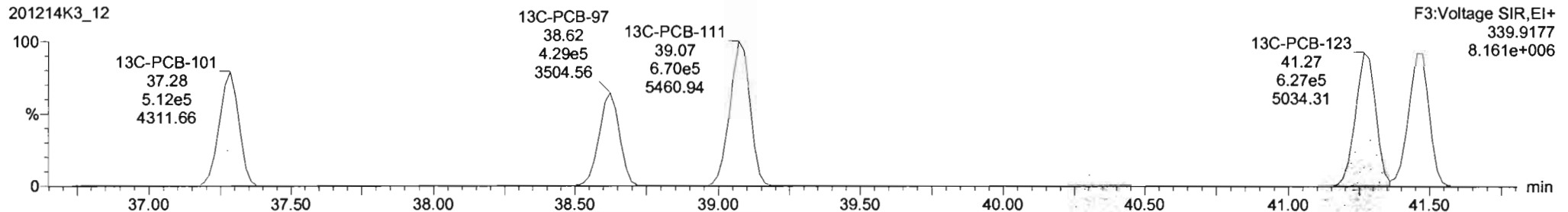
201214K3\_12

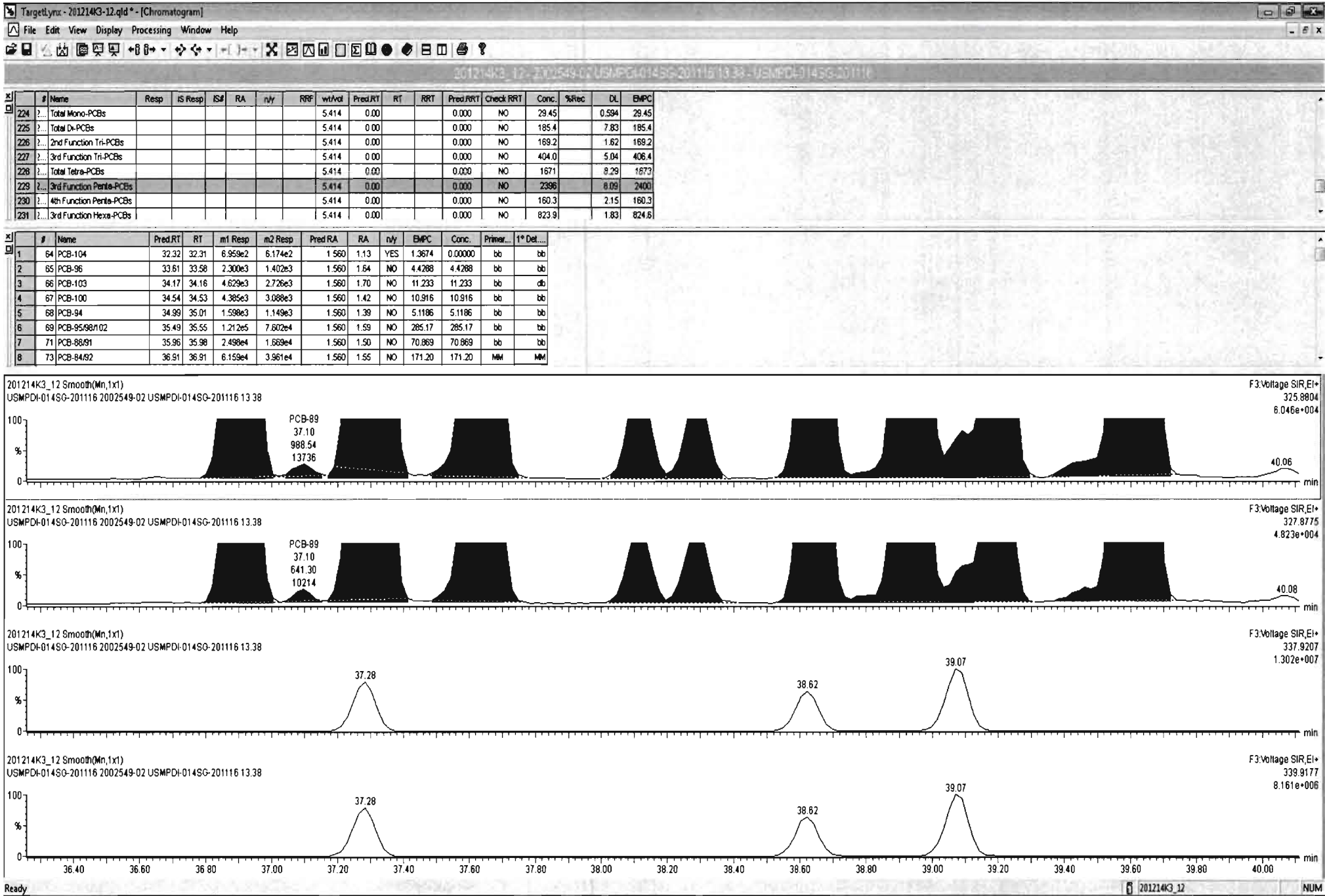


13C-PCB-111



201214K3\_12

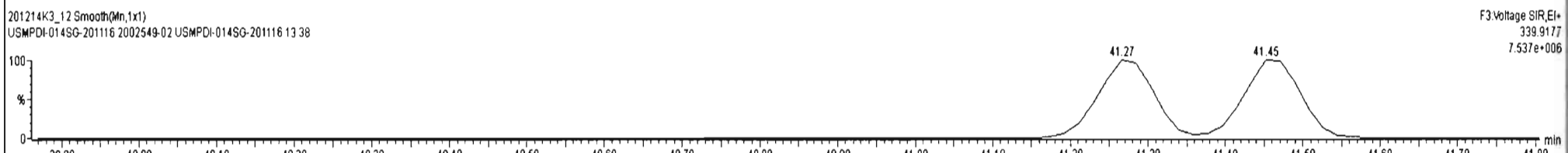
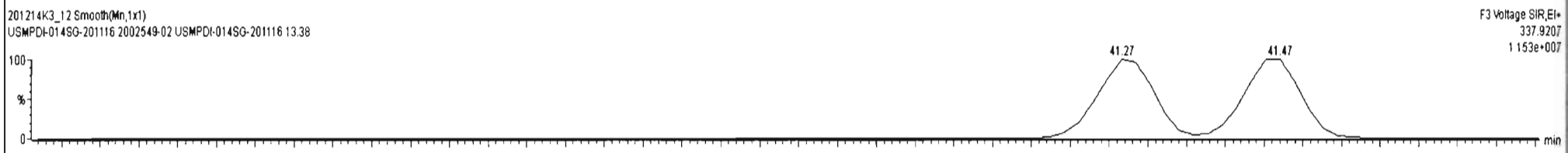
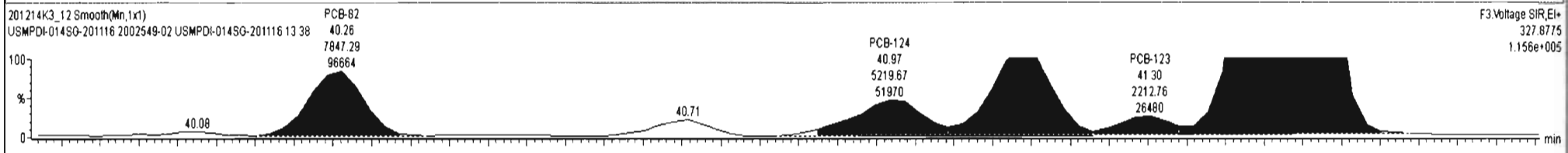
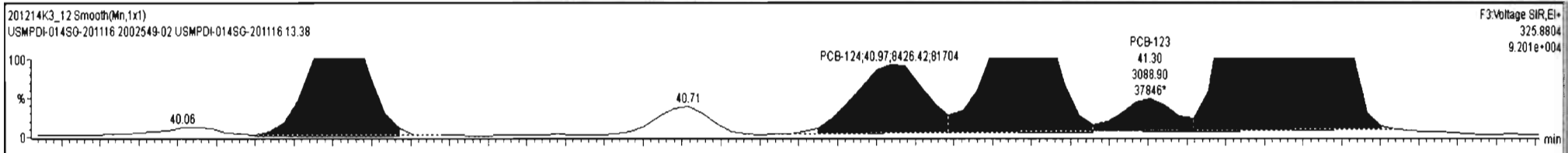






#	Name	Resp	IS Resp	IS#	RA	nly	RFR	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1671		8.29	1673
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2379		8.09	2381
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	160.3		2.15	160.3
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.9		1.83	824.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	nly	EMPC	Conc.	Primer	1° Det
1	64 PCB-104	32.32	32.31	6.959e2	6.174e2	1.560	1.13	YES	1.3674	0.00000	bb	bb
2	65 PCB-96	33.61	33.58	2.300e3	1.402e3	1.560	1.64	NO	4.4288	4.4288	bb	bb
3	66 PCB-103	34.17	34.16	4.629e3	2.726e3	1.560	1.70	NO	11.233	11.233	bb	db
4	67 PCB-100	34.54	34.53	4.385e3	3.088e3	1.560	1.42	NO	10.916	10.916	bb	bb
5	68 PCB-94	34.99	35.01	1.598e3	1.149e3	1.560	1.39	NO	5.1186	5.1186	bb	bb
6	69 PCB-95/98/102	35.49	35.55	1.212e5	7.802e4	1.560	1.59	NO	265.17	265.17	bb	bb
7	71 PCB-88/91	35.96	35.98	2.498e4	1.669e4	1.560	1.50	NO	70.869	70.869	bb	bb
8	73 PCB-84/82	36.91	36.91	6.140e4	3.957e4	1.560	1.55	NO	170.80	170.80	bd	bb

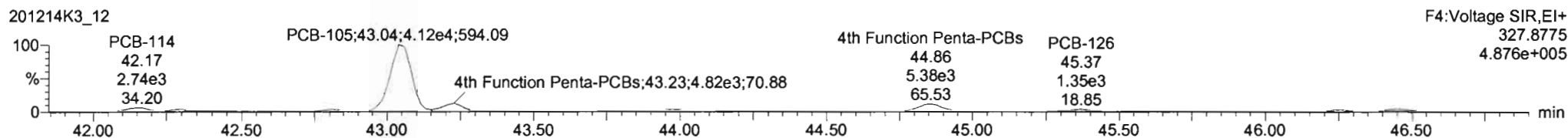
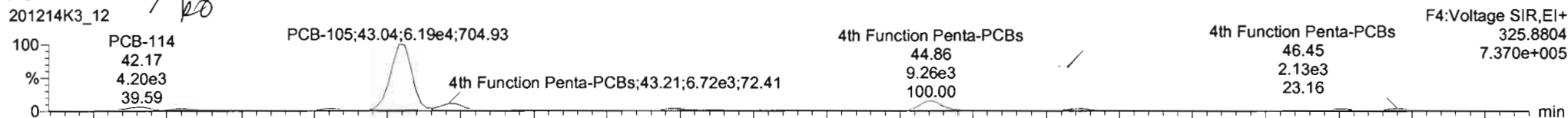


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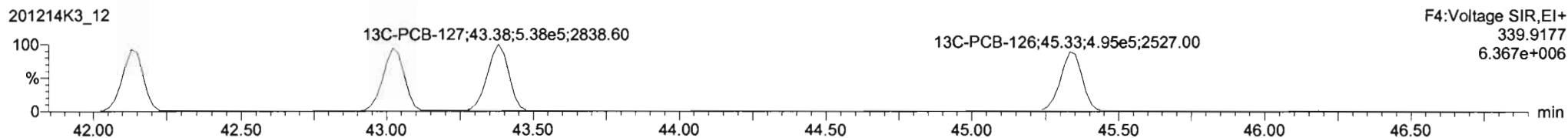
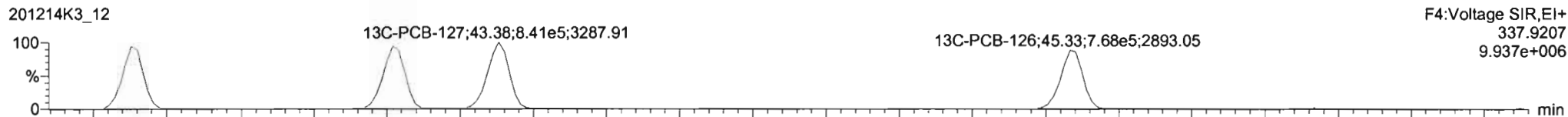
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 Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

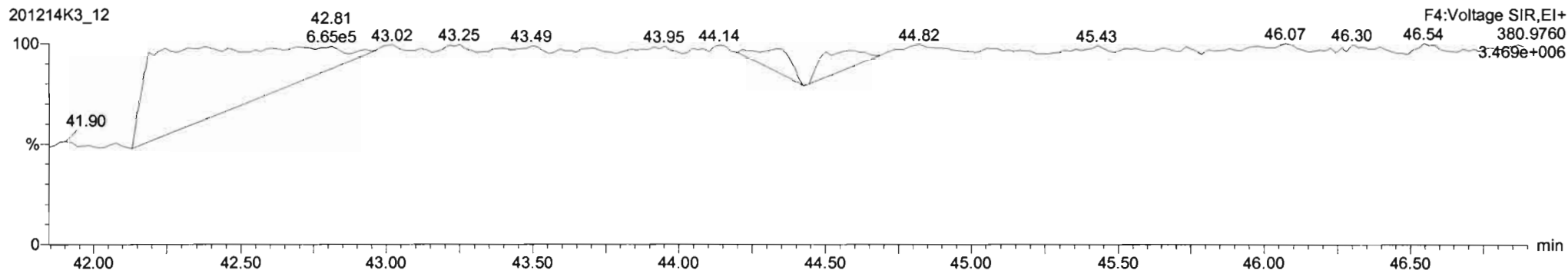
**PCB-114**



**13C-PCB-114**



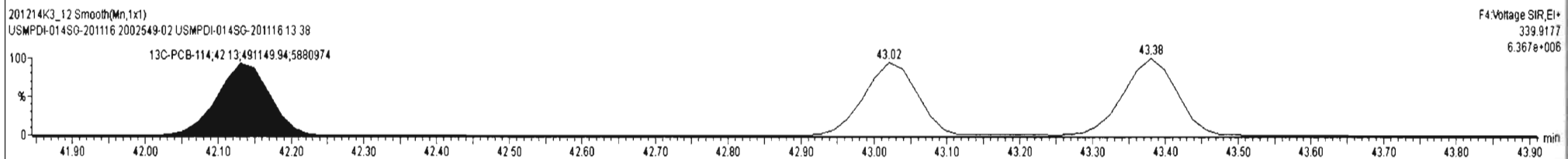
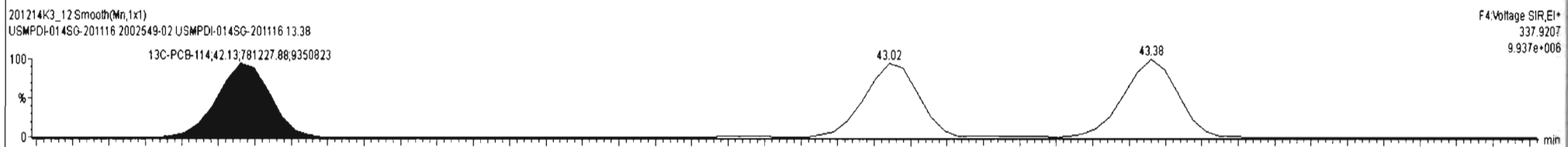
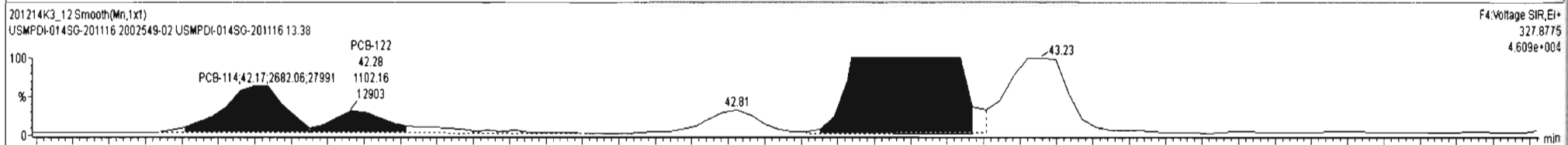
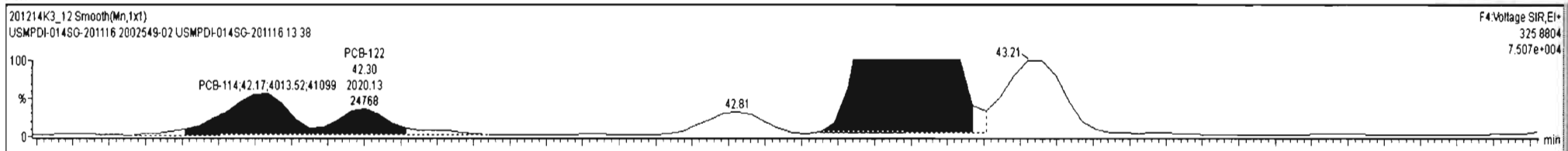
**PFK4a**



201214K3\_12 - 2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	w/col	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs						5.414	0.00				0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs						5.414	0.00				0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs						5.414	0.00				0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs						5.414	0.00				0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs						5.414	0.00				0.000	NO	1671		8.29	1673
229	3rd Function Penta-PCBs						5.414	0.00				0.000	NO	2395		8.09	2398
230	4th Function Penta-PCBs						5.414	0.00				0.000	NO	153.2		2.15	157.8
231	3rd Function Hexa-PCBs						5.414	0.00				0.000	NO	823.9		1.83	824.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	93 PCB-114	42.15	42.17	4.014e3	2.682e3	1.560	1.50	NO	8.9669	8.9669	MM	MM
2	94 PCB-122	42.30	42.30	2.020e3	1.102e3	1.560	1.83	YES	4.4029	0.00000	MM	MM
3	95 PCB-105	43.04	43.04	6.161e4	4.093e4	1.550	1.51	NO	140.17	140.17	MM	MM
4	97 PCB-126	45.35	45.37	1.856e3	1.308e3	1.560	1.42	NO	4.0213	4.0213	MM	MM



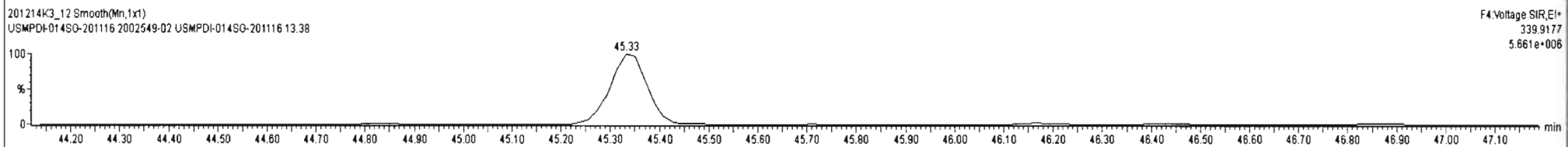
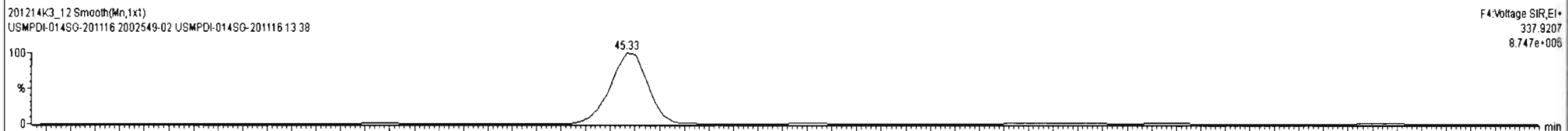
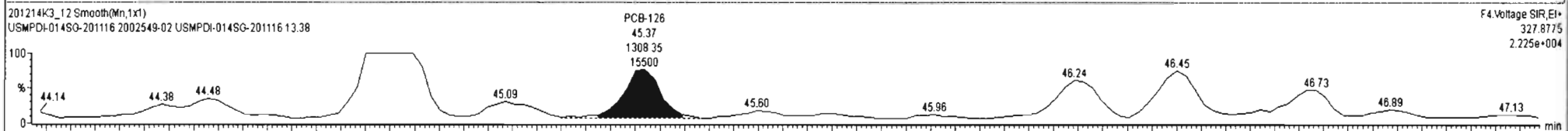
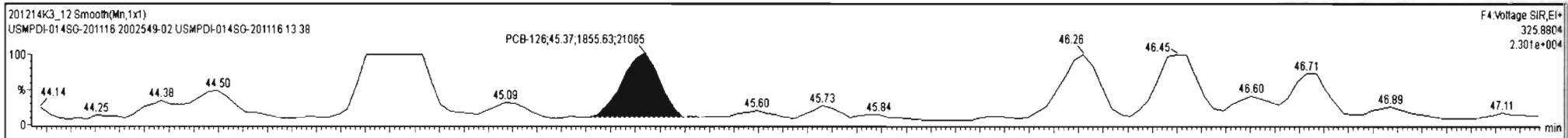
Ready

201214K3 12 NUM

201214K3\_12\_2012549-02 USMPDI-014SG-201116 13 38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wlVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1671		8.29	1673
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2395		8.09	2398
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	153.2		2.15	157.6
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	623.9		1.83	624.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	EMPC	Conc.	Primar...	1° Det...
1	93 PCB-114	42.15	42.17	4.014e3	2.882e3	1.560	1.50	NO	8.9689	8.9689	MM	MM
2	94 PCB-122	42.30	42.30	2.020e3	1.102e3	1.560	1.83	YES	4.4029	0.00000	MM	MM
3	95 PCB-105	43.04	43.04	6.161e4	4.093e4	1.550	1.51	NO	140.17	140.17	MM	MM
4	97 PCB-126	45.35	45.37	1.856e3	1.308e3	1.560	1.42	NO	4.0213	4.0213	MM	MM



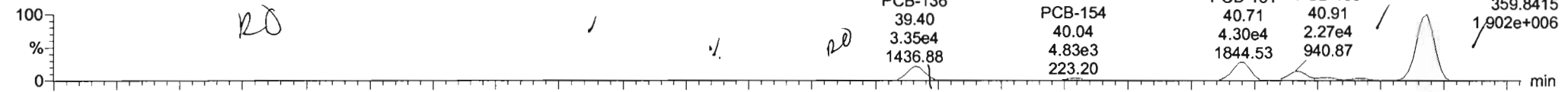
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

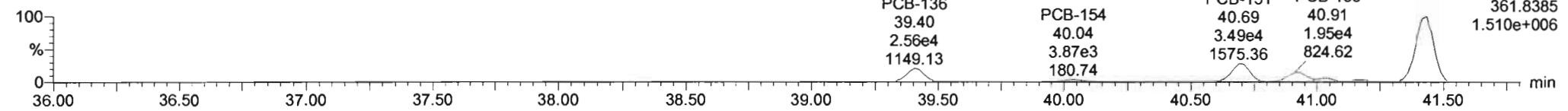
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**PCB-155**

201214K3\_12

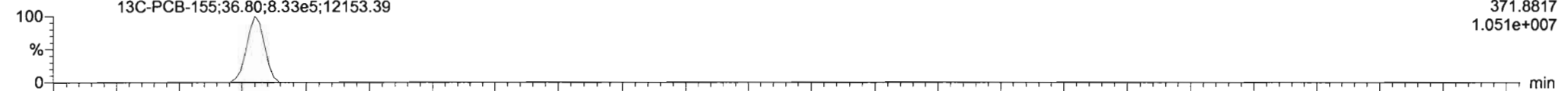


201214K3\_12

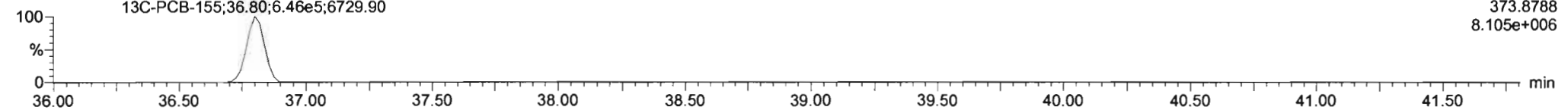


**13C-PCB-155**

201214K3\_12

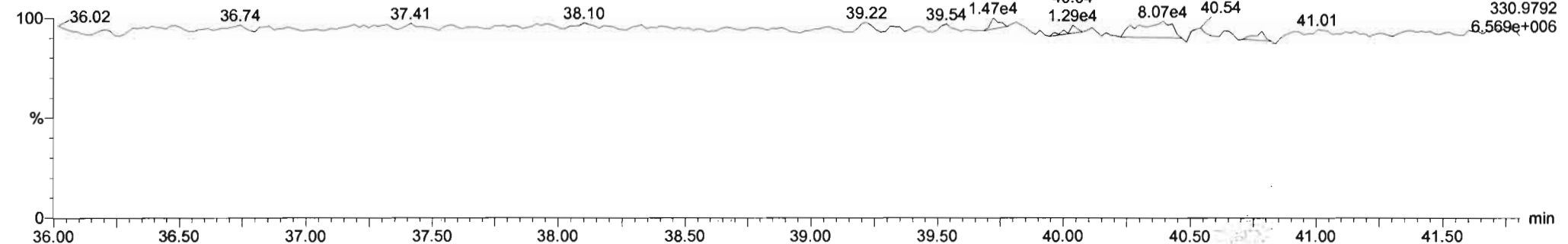


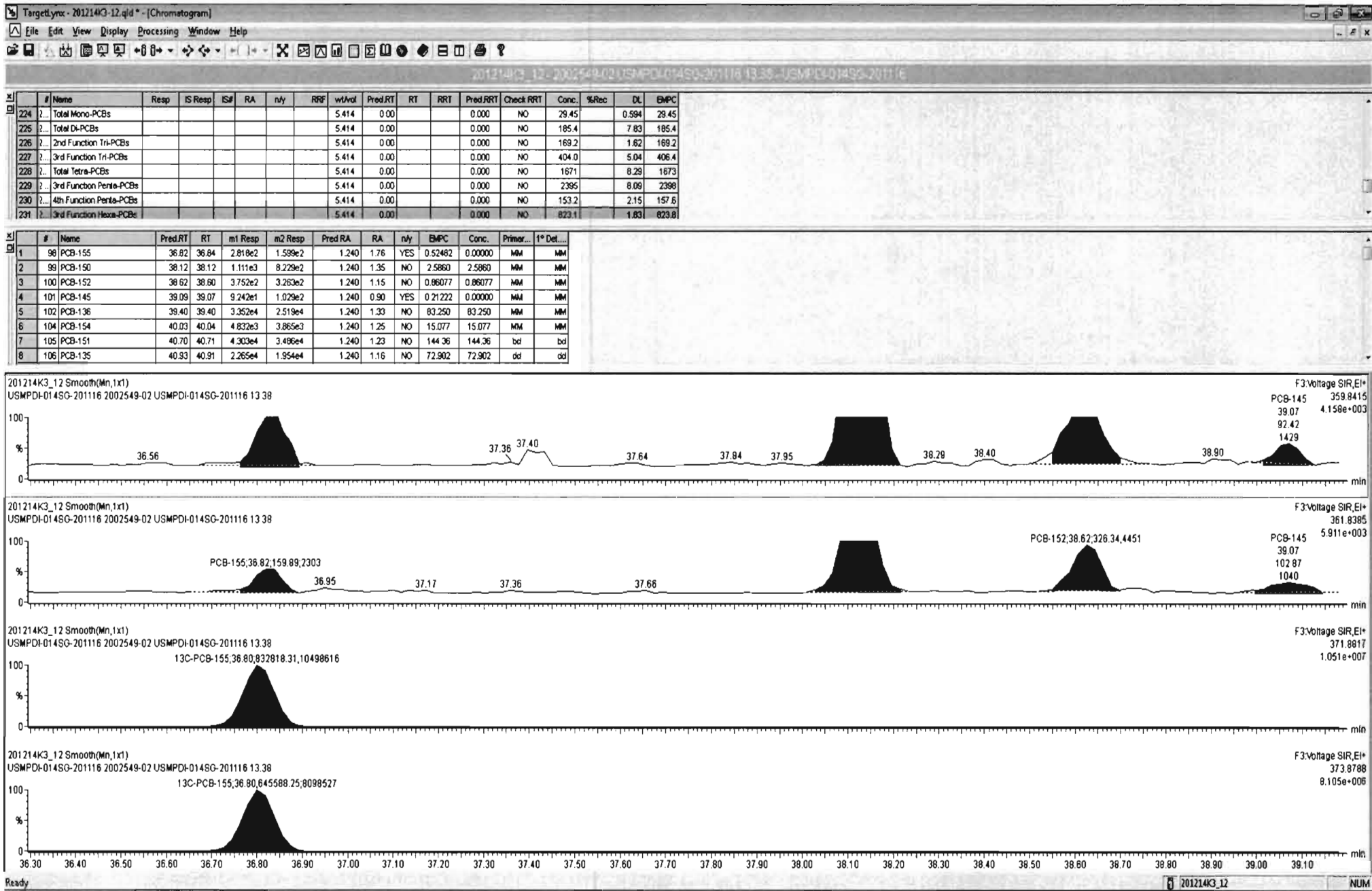
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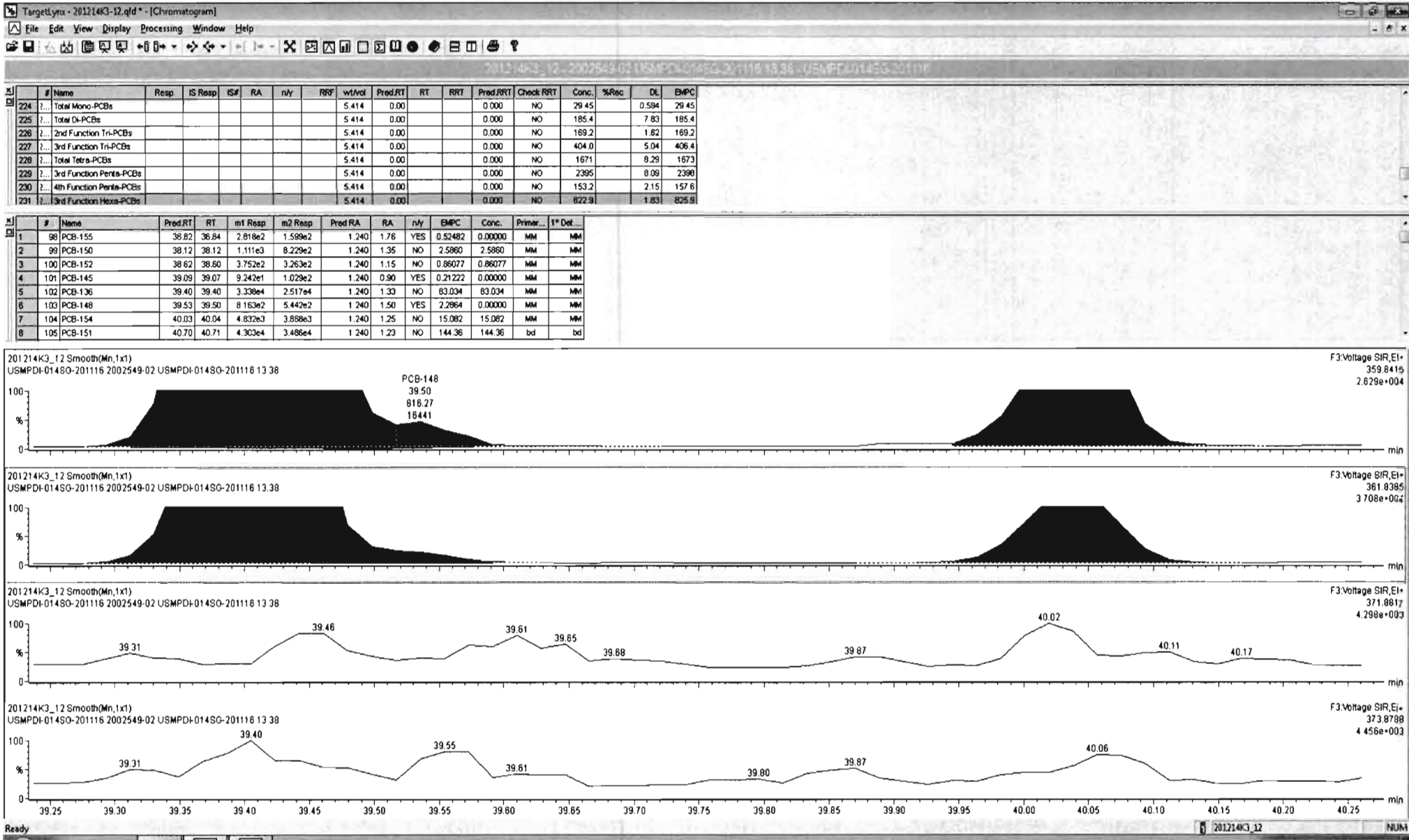


**PFK3c**

201214K3\_12

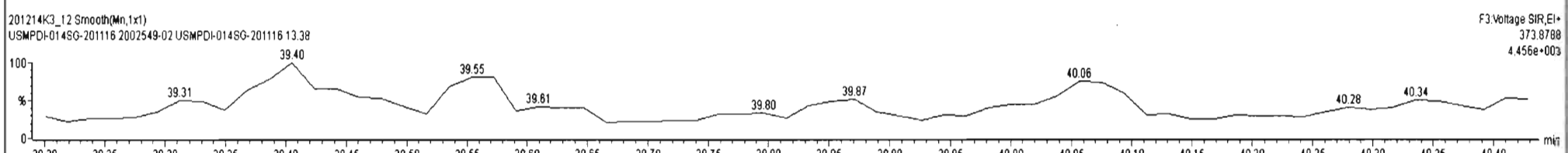
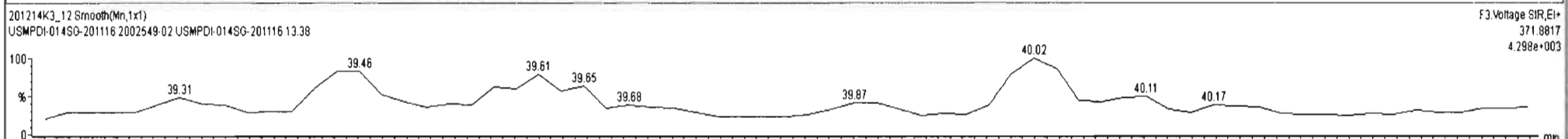
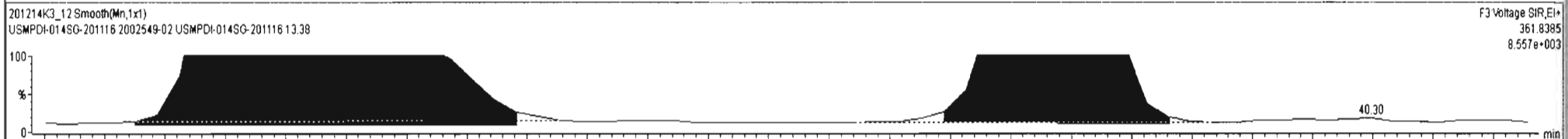
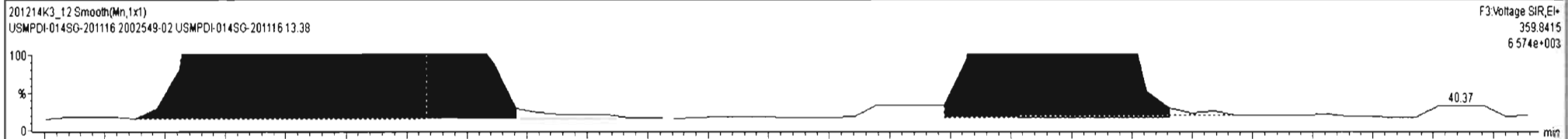






#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/wtd	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1671		8.29	1673
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2395		8.09	2398
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	153.2		2.15	157.6
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.4		1.83	825.7

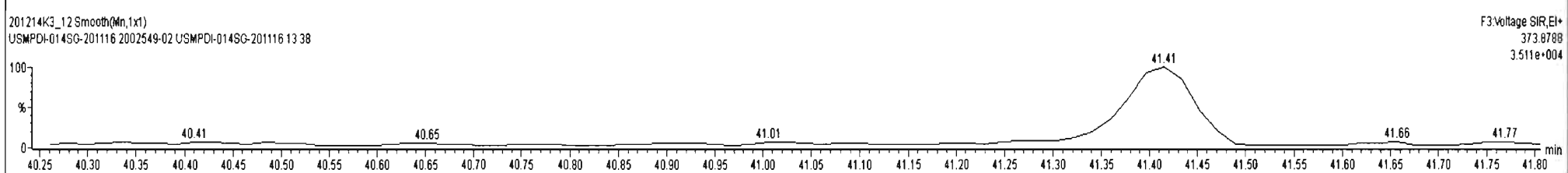
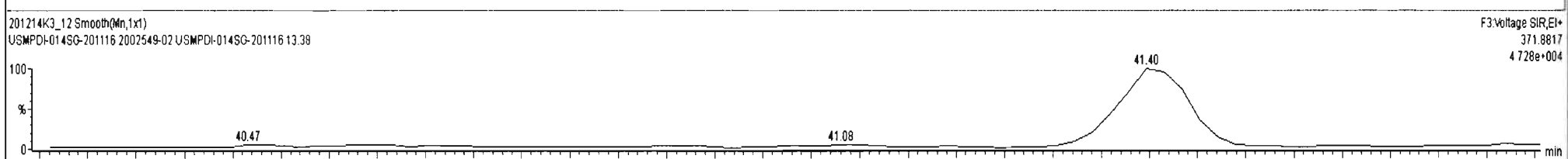
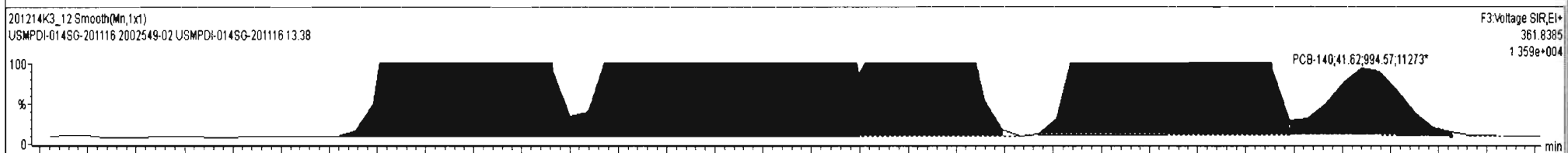
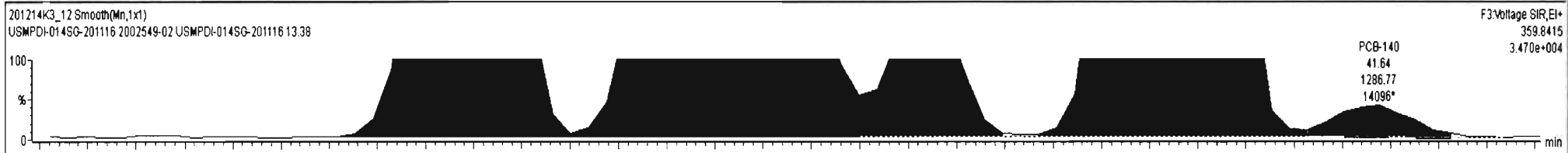
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	98 PCB-155	36.82	36.84	2.818e2	1.599e2	1.240	1.76	YES	0.52482	0.00000	MM	MM
2	99 PCB-150	38.12	38.12	1.111e3	8.229e2	1.240	1.35	NO	2.5860	2.5860	MM	MM
3	100 PCB-152	38.62	38.60	3.752e2	3.263e2	1.240	1.15	NO	0.86077	0.86077	MM	MM
4	101 PCB-145	39.09	39.07	9.242e1	1.029e2	1.240	0.90	YES	0.21222	0.00000	MM	MM
5	102 PCB-136	39.40	39.40	3.354e4	2.537e4	1.240	1.32	NO	83.539	83.539	MM	MM
6	103 PCB-148	39.53	39.53	5.843e2	3.800e2	1.240	1.54	YES	1.5964	0.00000	db	MM
7	104 PCB-154	40.03	40.04	4.832e3	3.868e3	1.240	1.25	NO	15.082	15.082	MM	MM
8	105 PCB-151	40.70	40.71	4.303e4	3.486e4	1.240	1.23	NO	144.36	144.36	bd	bd





#	Name	Resp	IS Resp	IS#	RA	n/y	RF#	w/wd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs							5.414	0.00			0.000	NO	29.45		0.594	29.45
225	Total Di-PCBs							5.414	0.00			0.000	NO	185.4		7.83	185.4
226	2nd Function Tri-PCBs							5.414	0.00			0.000	NO	169.2		1.62	169.2
227	3rd Function Tri-PCBs							5.414	0.00			0.000	NO	404.0		5.04	406.4
228	Total Tetra-PCBs							5.414	0.00			0.000	NO	1671		8.29	1673
229	3rd Function Penta-PCBs							5.414	0.00			0.000	NO	2395		6.09	2398
230	4th Function Penta-PCBs							5.414	0.00			0.000	NO	153.2		2.15	157.6
231	3rd Function Hexa-PCBs							5.414	0.00			0.000	NO	823.4		1.83	825.7

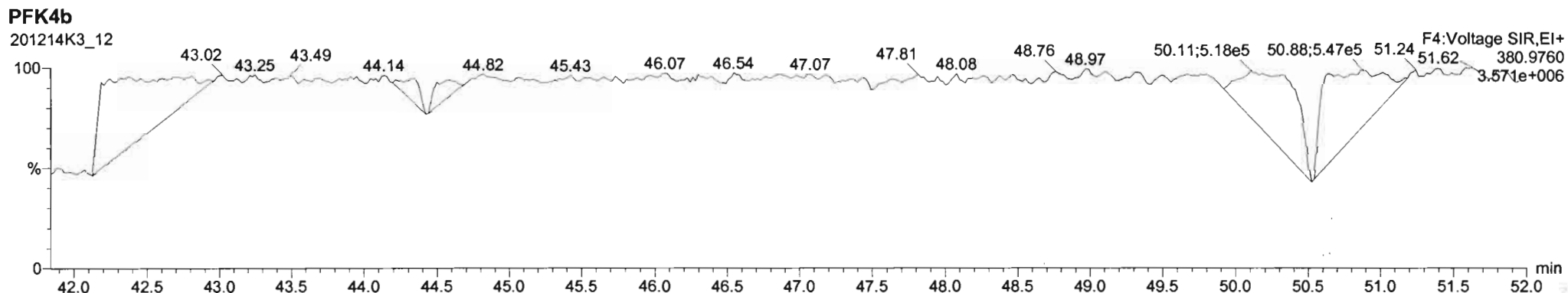
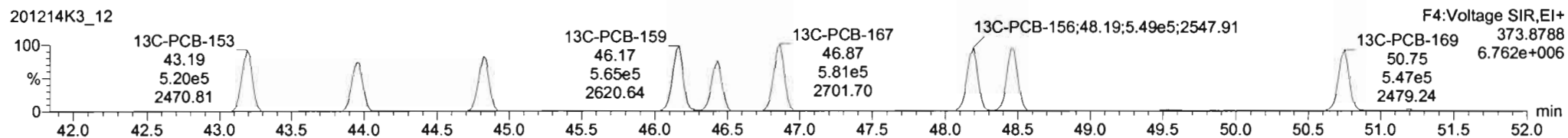
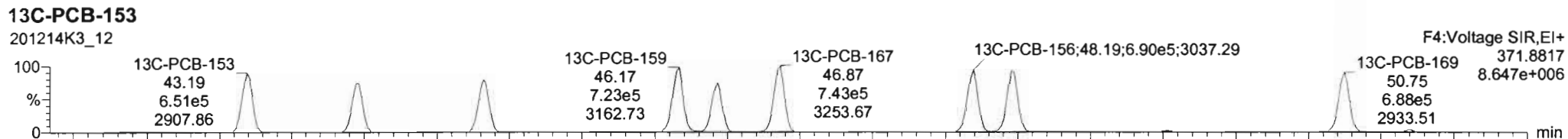
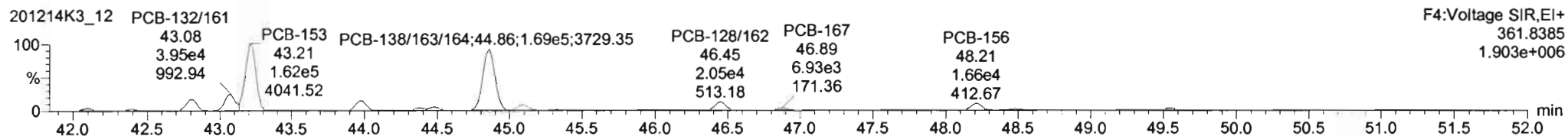
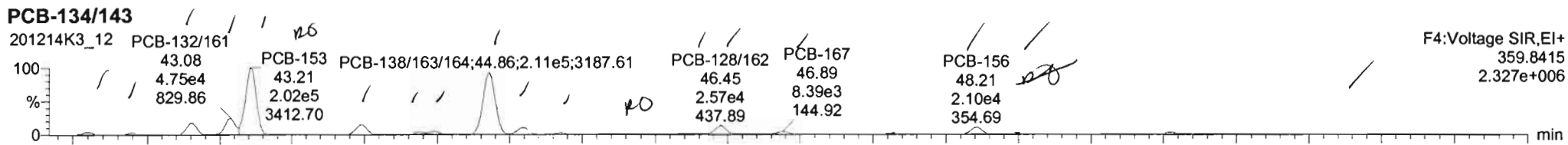
#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc	Primar...	1° Det...
1	98 PCB-155	36.82	36.84	2.818e2	1.599e2	1.240	1.76	YES	0.52482	0.00000	MM	MM
2	99 PCB-150	38.12	38.12	1.111e3	8.229e2	1.240	1.35	NO	2.5860	2.5860	MM	MM
3	100 PCB-152	38.62	38.60	3.752e2	3.263e2	1.240	1.15	NO	0.86077	0.86077	MM	MM
4	101 PCB-145	39.09	39.07	9.242e1	1.029e2	1.240	0.90	YES	0.21222	0.00000	MM	MM
5	102 PCB-136	39.40	39.40	3.354e4	2.537e4	1.240	1.32	NO	83.539	83.539	MM	MM
6	103 PCB-148	39.53	39.53	5.843e2	3.800e2	1.240	1.54	YES	1.5964	0.00000	db	MM
7	104 PCB-154	40.03	40.04	4.832e3	3.868e3	1.240	1.25	NO	15.082	15.082	MM	MM
8	105 PCB-151	40.70	40.71	4.303e4	3.486e4	1.240	1.23	NO	144.36	144.36	bd	bd



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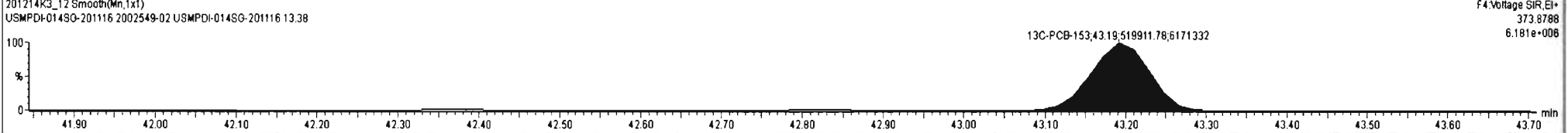
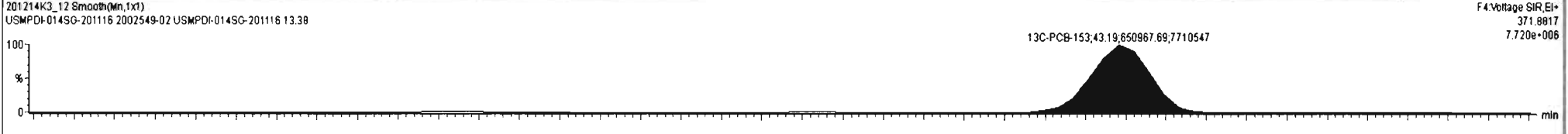
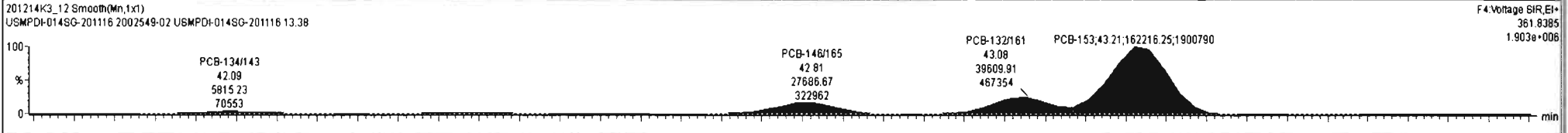
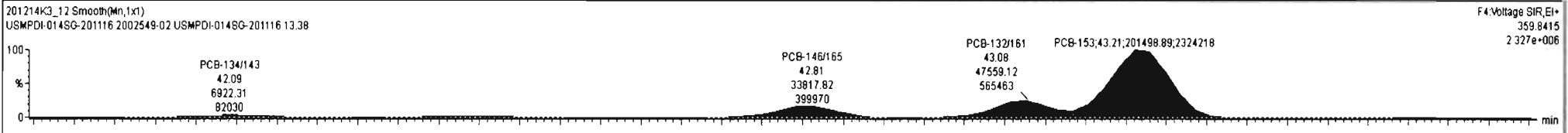
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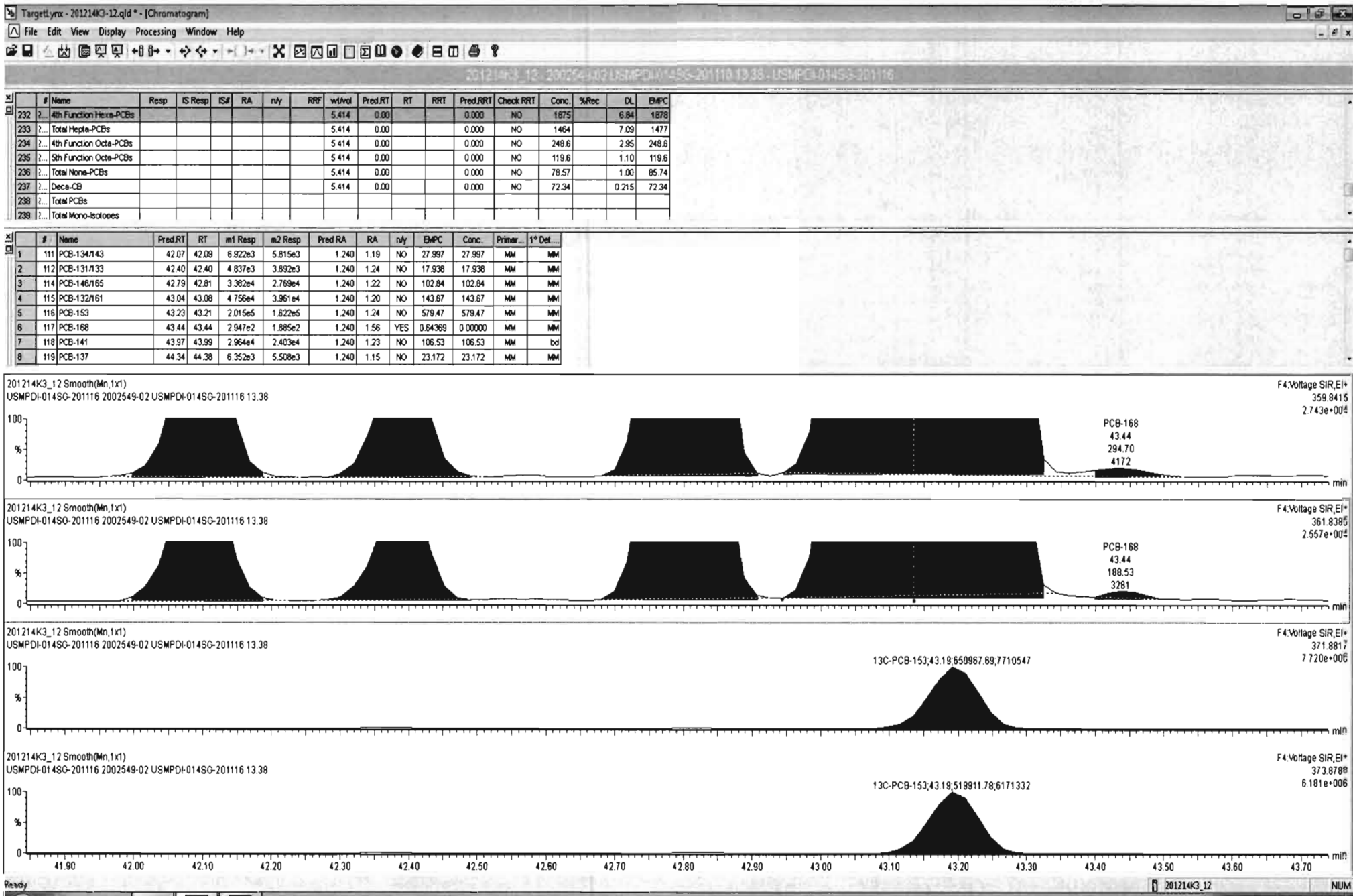
Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.414	0.00			0.000	NO	1464		8.84	1879
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1464		7.09	1477
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	248.6		2.95	248.6
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.6		1.10	119.6
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57		1.00	85.74
237	Deca-CB							5.414	0.00			0.000	NO	72.34		0.215	72.34
238	Total PCBs																
239	Total Mono-Isotopes																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
12	123 PCB-129	45.37	45.37	4.610e3	3.743e3	1.240	1.23	NO	18.371	18.371	MM	MM
13	124 PCB-166	45.85	45.84	6.718e2	4.370e2	1.240	1.54	YES	1.3614	0.00000	MM	MM
14	125 PCB-159	46.18	46.24	3.700e3	2.815e3	1.240	1.32	NO	8.5332	8.5332	bd	dd
15	126 PCB-128/162	46.48	46.45	2.551e4	2.037e4	1.240	1.25	NO	78.693	78.693	MM	MM
16	127 PCB-167	46.89	46.88	8.389e3	6.821e3	1.240	1.23	NO	22.092	22.092	bb	MM
17	128 PCB-156	48.21	48.21	2.096e4	1.664e4	1.240	1.26	NO	52.744	52.744	bd	dd
18	129 PCB-157	48.48	48.50	4.591e3	3.499e3	1.240	1.31	NO	12.298	12.298	db	db
19	130 PCB-169	50.77	50.75	3.930e2	3.888e2	1.240	1.01	YES	1.0226	0.00000	bb	bb

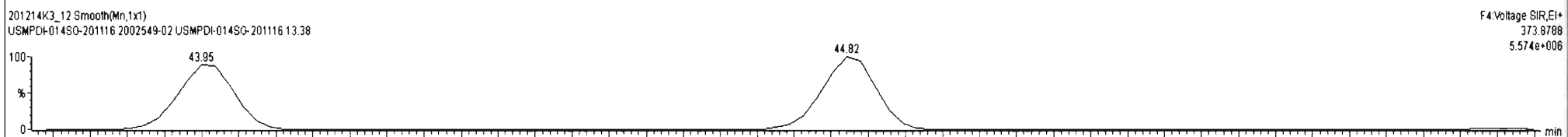
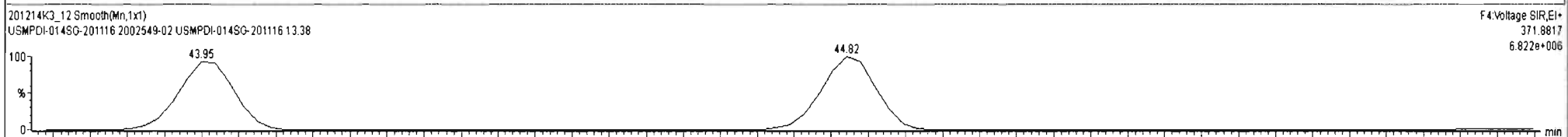
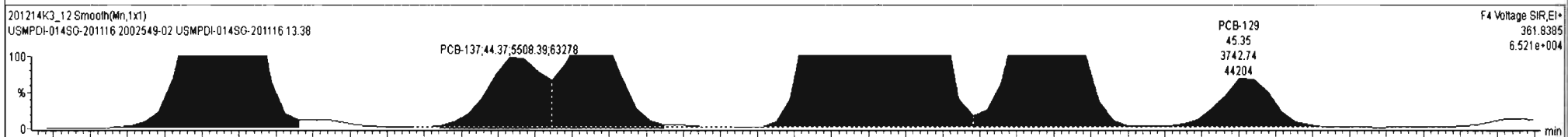
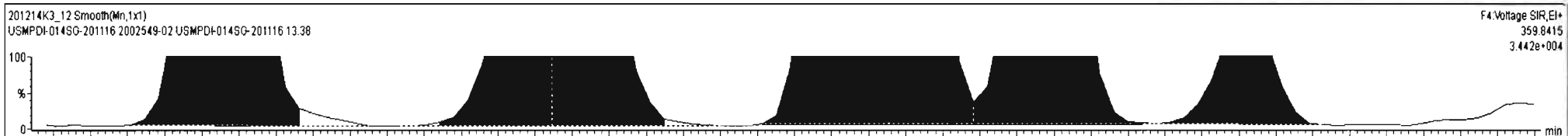




201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.414	0.00			0.000	NO	1875	6.84	1878	
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1464	7.09	1477	
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	248.6	2.95	248.8	
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.6	1.10	119.6	
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57	1.00	85.74	
237	Deca-CB							5.414	0.00			0.000	NO	72.34	0.215	72.34	
238	Total PCBs																
239	Total Mono-Isotopes																

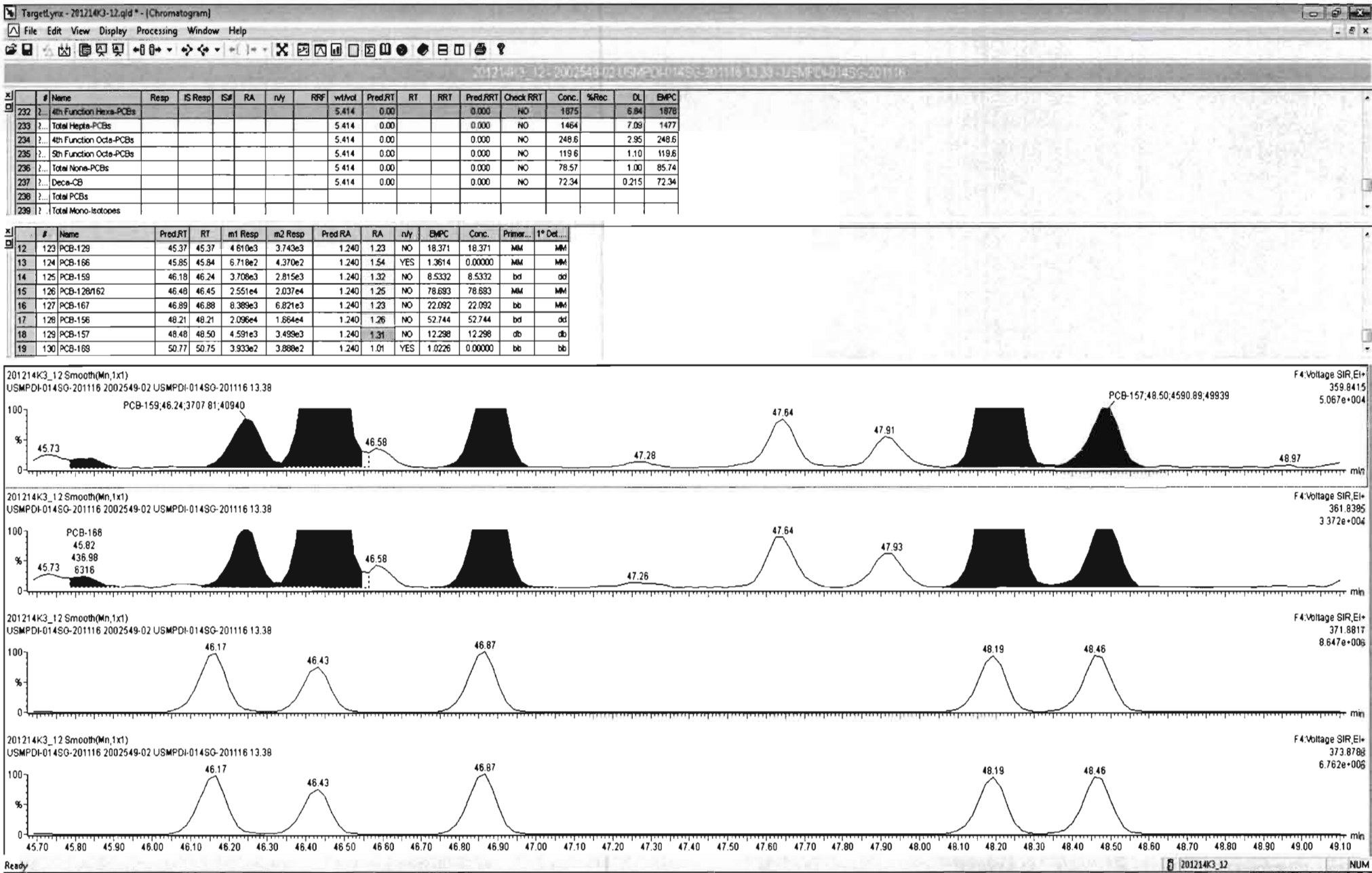
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	*° Det....
12	123 PCB-129	45.37	45.37	4.610e3	3.743e3	1.240	1.23	NO	18.371	18.371	MM	MM
13	124 PCB-166	45.85	45.84	6.718e2	4.370e2	1.240	1.54	YES	1.3614	0.00000	MM	MM
14	125 PCB-159	46.18	46.24	3.708e3	2.815e3	1.240	1.32	NO	8.5332	8.5332	bd	dd
15	126 PCB-128/162	46.48	46.45	2.551e4	2.037e4	1.240	1.25	NO	78.693	78.693	MM	MM
16	127 PCB-167	46.89	46.88	8.389e3	6.821e3	1.240	1.23	NO	22.092	22.092	bb	MM
17	128 PCB-156	48.21	48.21	2.096e4	1.664e4	1.240	1.26	NO	52.744	52.744	bd	dd
18	129 PCB-157	48.48	48.50	4.591e3	3.499e3	1.240	1.31	NO	12.298	12.298	db	db
19	130 PCB-169	50.77	50.75	3.933e2	3.888e2	1.240	1.01	YES	1.0226	0.00000	bb	bb



Ready

201214K3\_12

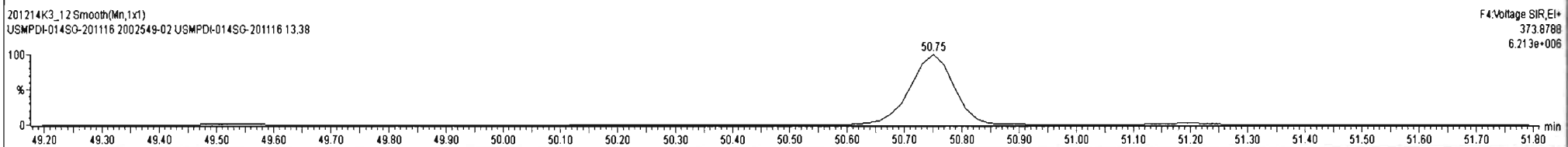
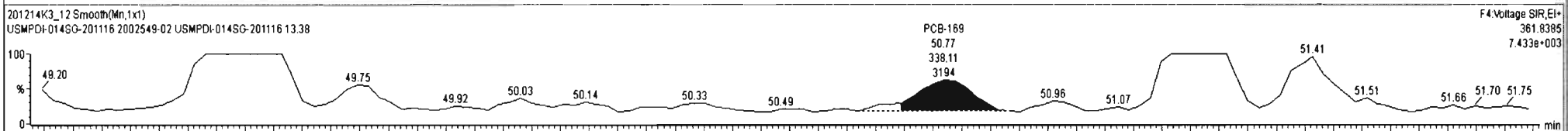
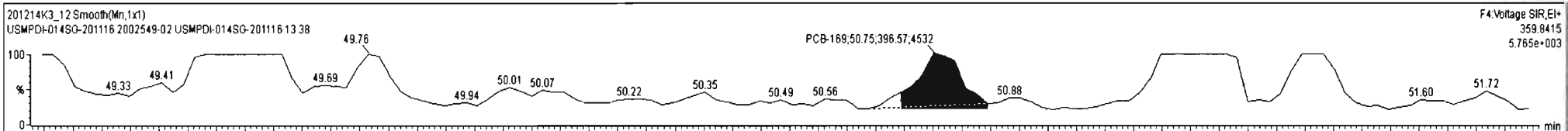
NUM



201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wAval	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.414	0.00			0.000	NO	1876		6.84	1878
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1464		7.09	1477
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	248.6		2.95	248.6
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.6		1.10	119.6
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57		1.00	85.74
237	Deca-CB							5.414	0.00			0.000	NO	72.34		0.215	72.34
238	Total PCBs																
239	Total Mono-Isotopes																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	111 PCB-134/143	42.07	42.09	6.922e3	5.815e3	1.240	1.19	NO	27.997	27.997	MM	MM
2	112 PCB-131/133	42.40	42.40	4.837e3	3.892e3	1.240	1.24	NO	17.938	17.938	MM	MM
3	114 PCB-146/165	42.79	42.81	3.382e4	2.769e4	1.240	1.22	NO	102.84	102.84	MM	MM
4	115 PCB-132/161	43.04	43.08	4.756e4	3.961e4	1.240	1.20	NO	143.67	143.67	MM	MM
5	116 PCB-153	43.23	43.21	2.015e5	1.622e5	1.240	1.24	NO	579.47	579.47	MM	MM
6	117 PCB-168	43.44	43.44	2.947e2	1.885e2	1.240	1.56	YES	0.64369	0.00000	MM	MM
7	118 PCB-141	43.97	43.99	2.964e4	2.403e4	1.240	1.23	NO	106.53	106.53	MM	bd
8	119 PCB-137	44.34	44.38	6.352e3	5.508e3	1.240	1.15	NO	23.172	23.172	MM	MM

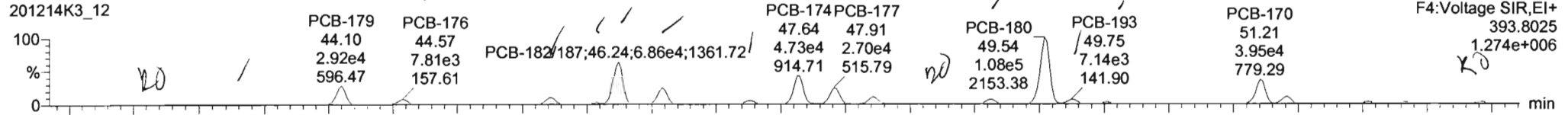


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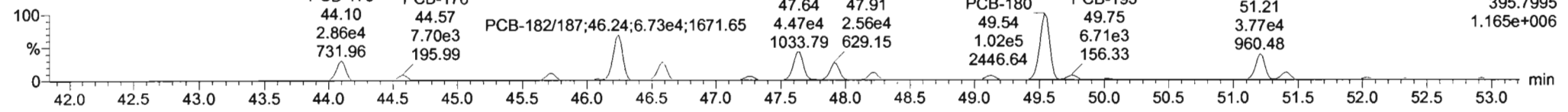
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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

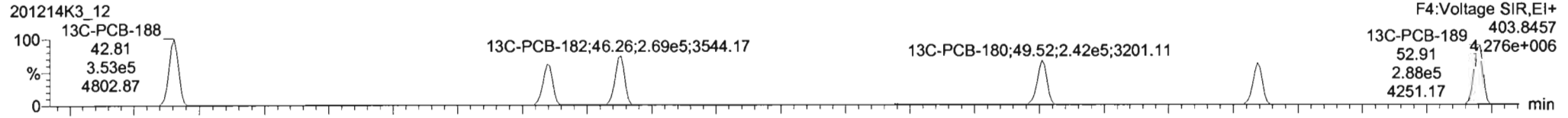
**PCB-188**



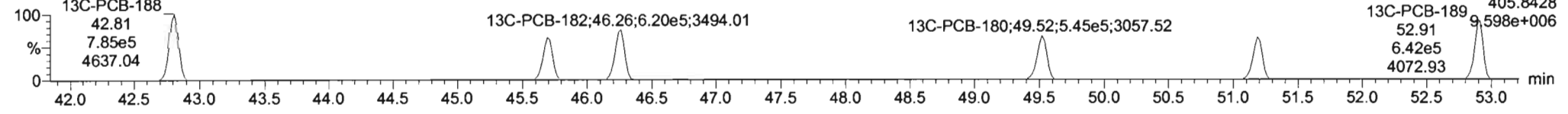
**201214K3\_12**



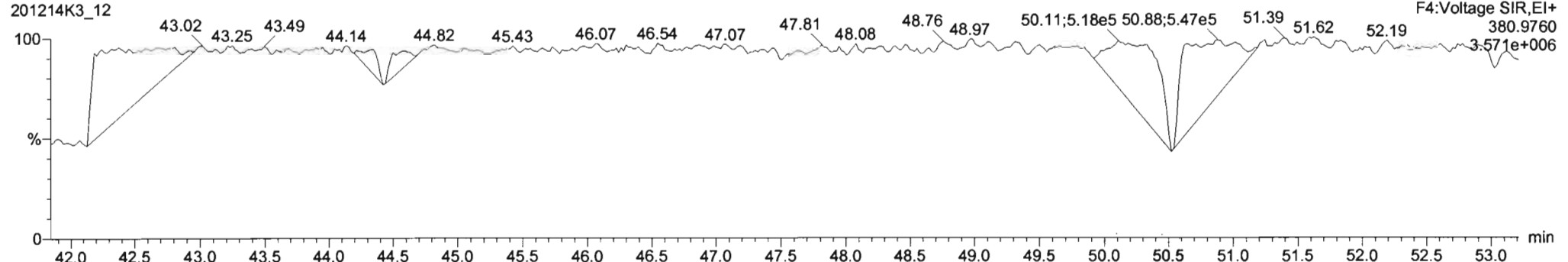
**13C-PCB-188**



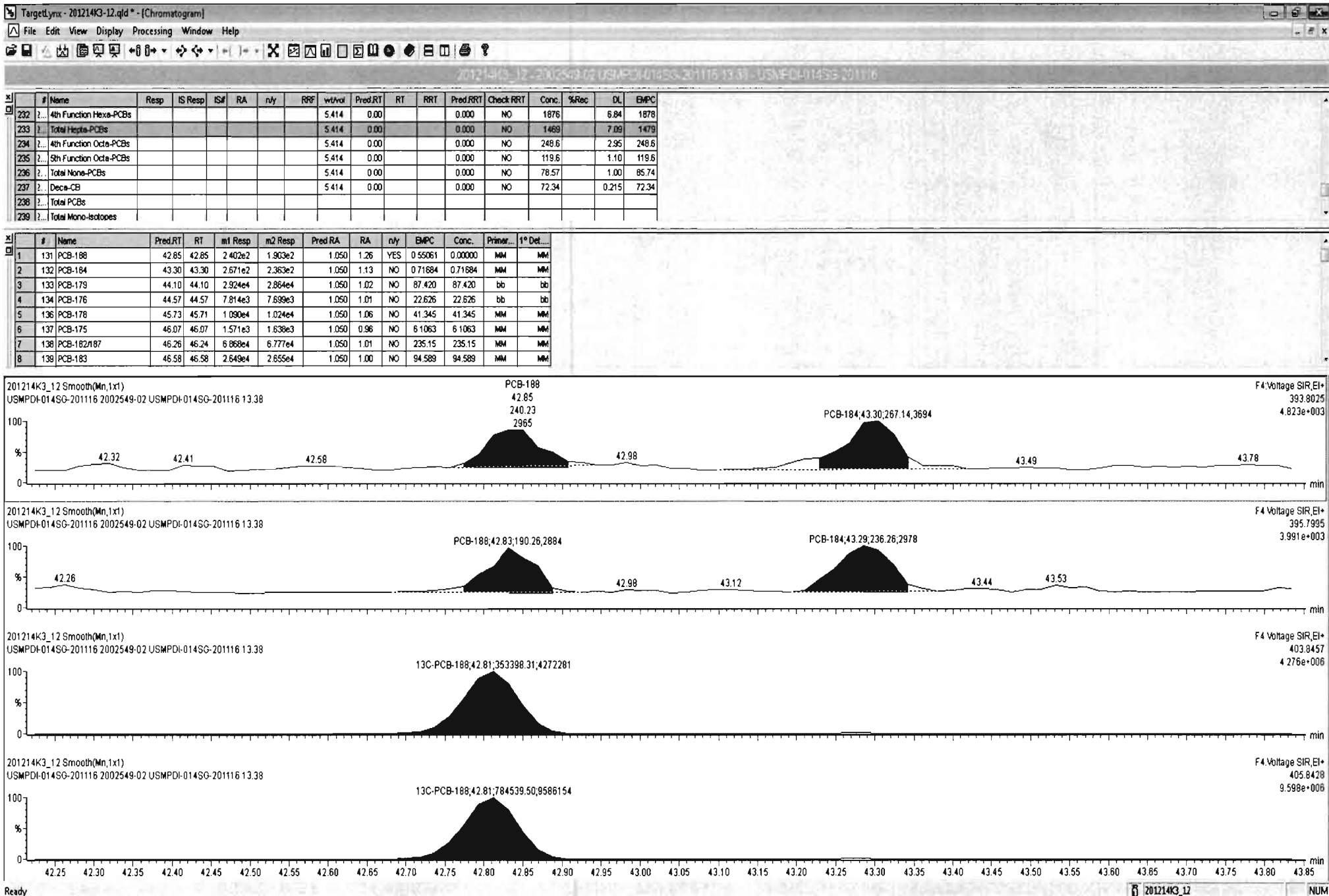
**201214K3\_12**



**PFK4c**



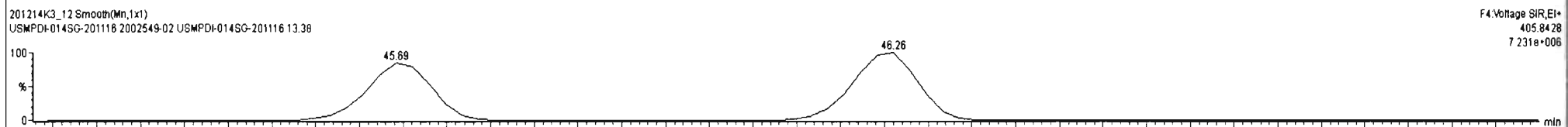
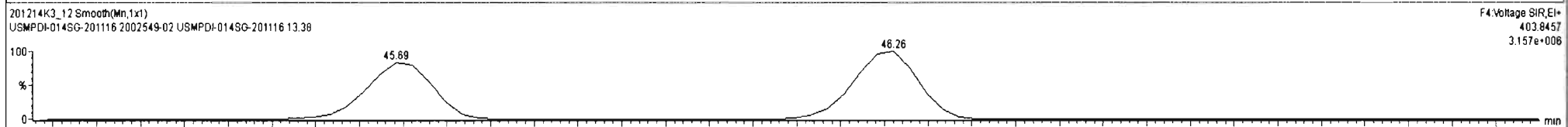
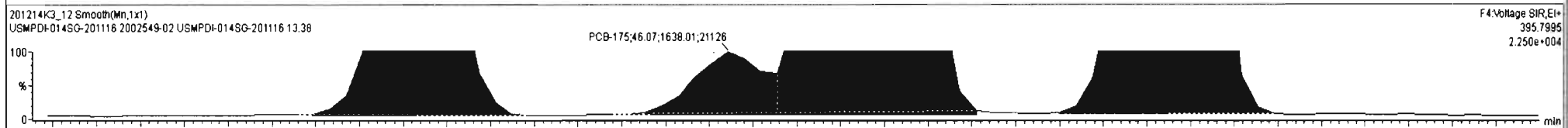
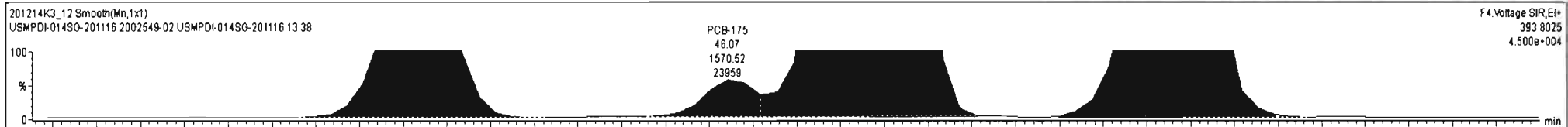


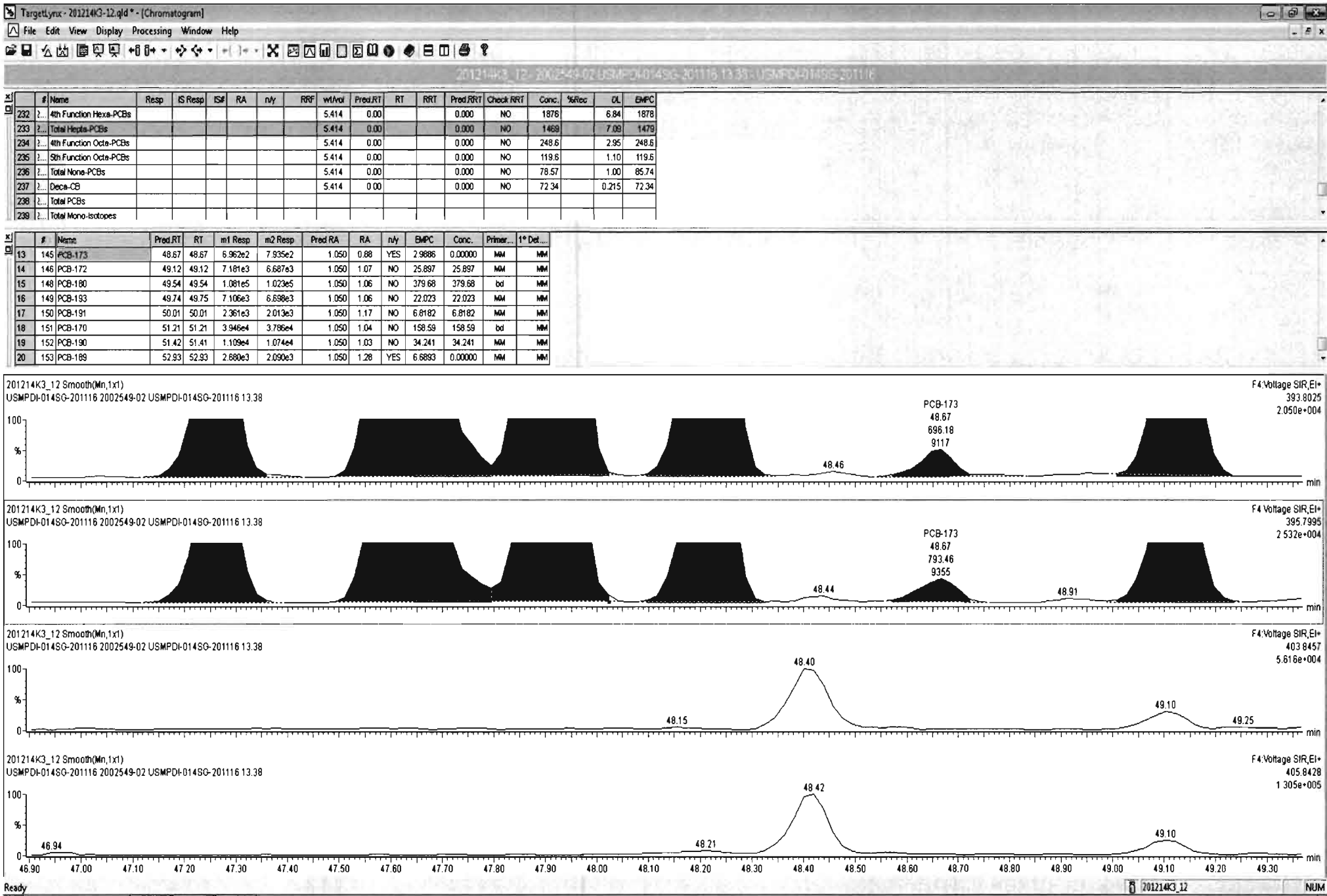


201214K3\_12 - 2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtMol	Pred_RT	RT	RRT	Pred_RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.414	0.00			0.000	NO	1876		6.84	1878
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1469		7.09	1479
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	249.6		2.85	249.6
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.6		1.10	119.6
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57		1.00	85.74
237	Deca-CB							5.414	0.00			0.000	NO	72.34		0.215	72.34
238	Total PCBs																
239	Total Mono-Isotopes																

#	Name	Pred_RT	RT	m1 Resp	m2 Resp	Pred_RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	131 PCB-188	42.85	42.85	2.402e2	1.903e2	1.050	1.26	YES	0.55061	0.00000	MM	MM
2	132 PCB-184	43.30	43.30	2.671e2	2.363e2	1.050	1.13	NO	0.71884	0.71884	MM	MM
3	133 PCB-179	44.10	44.10	2.924e4	2.864e4	1.050	1.02	NO	87.420	87.420	bb	bb
4	134 PCB-176	44.57	44.57	7.914e3	7.699e3	1.050	1.01	NO	22.626	22.626	bb	bb
5	136 PCB-178	45.73	45.71	1.090e4	1.024e4	1.050	1.06	NO	41.345	41.345	MM	MM
6	137 PCB-175	46.07	46.07	1.571e3	1.638e3	1.050	0.96	NO	6.1063	6.1063	MM	MM
7	138 PCB-182/187	46.26	46.24	6.868e4	6.777e4	1.050	1.01	NO	235.15	235.15	MM	MM
8	139 PCB-183	46.58	46.58	2.649e4	2.855e4	1.050	1.00	NO	94.589	94.589	MM	MM

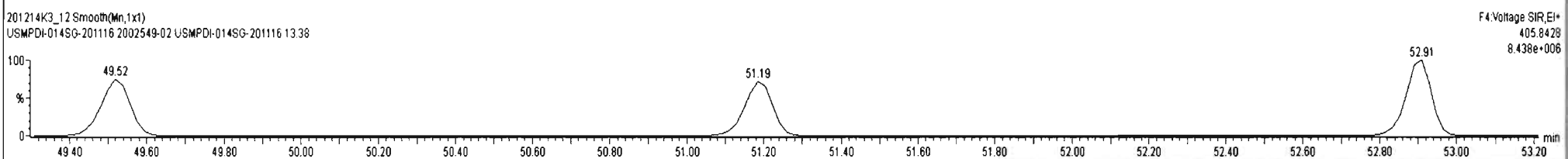
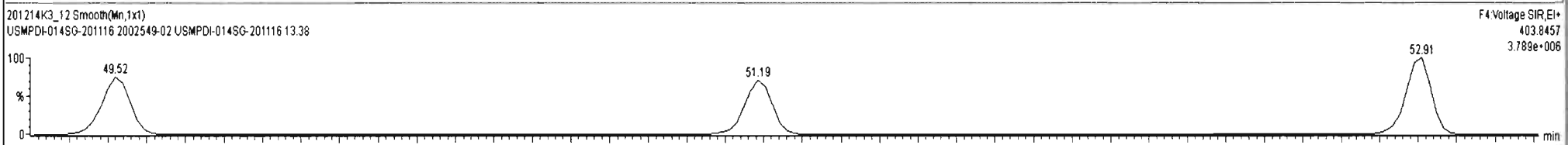
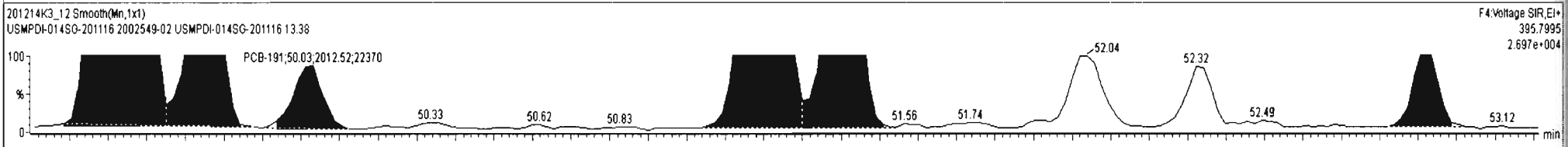
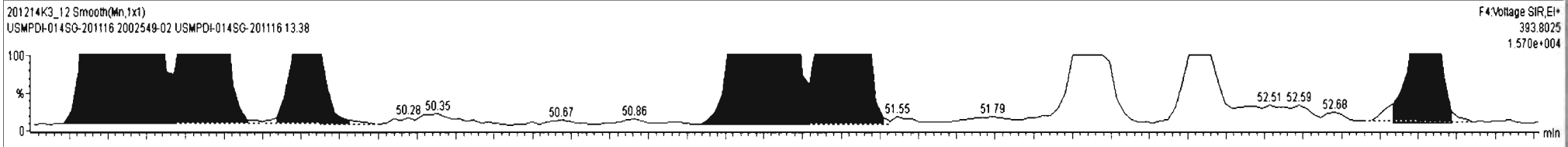




201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	w/Vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.414	0.00			0.000	NO	1876		6.84	1878
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1469		7.09	1479
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	248.6		2.95	248.6
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.6		1.10	119.6
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57		1.00	85.74
237	Deca-CB							5.414	0.00			0.000	NO	72.34		0.215	72.34
238	Total PCBs																
239	Total Mono-Isotopes																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.	Primer...	(* Det...
13	PCB-173	48.67	48.67	6.962e2	7.935e2	1.050	0.88	YES	2.9886	0.00000	MM	MM
14	PCB-172	49.12	49.12	7.181e3	6.687e3	1.050	1.07	NO	25.897	25.897	MM	MM
15	PCB-180	49.54	49.54	1.081e5	1.023e5	1.050	1.06	NO	379.68	379.68	bd	MM
16	PCB-193	49.74	49.75	7.106e3	6.698e3	1.050	1.06	NO	22.023	22.023	MM	MM
17	PCB-191	50.01	50.01	2.361e3	2.013e3	1.050	1.17	NO	6.8182	6.8182	MM	MM
18	PCB-170	51.21	51.21	3.946e4	3.786e4	1.050	1.04	NO	158.59	158.59	bd	MM
19	PCB-190	51.42	51.41	1.109e4	1.074e4	1.050	1.03	NO	34.241	34.241	MM	MM
20	PCB-189	52.93	52.93	2.690e3	2.090e3	1.050	1.28	YES	6.6893	0.00000	MM	MM



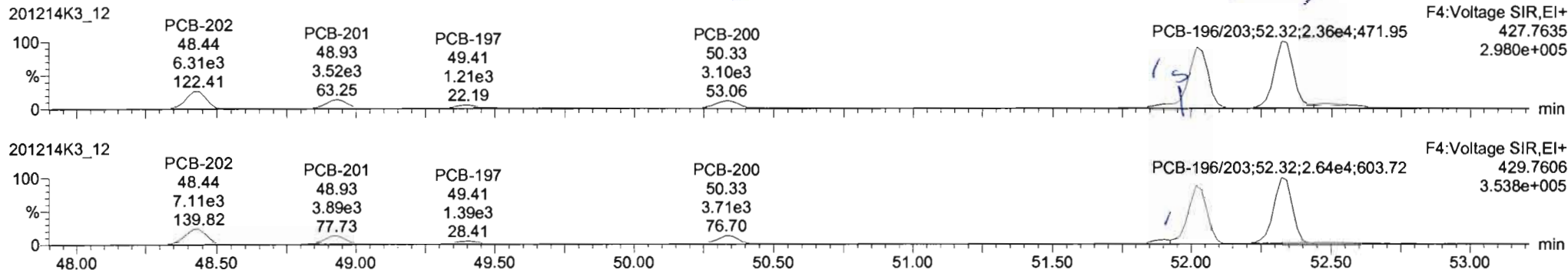
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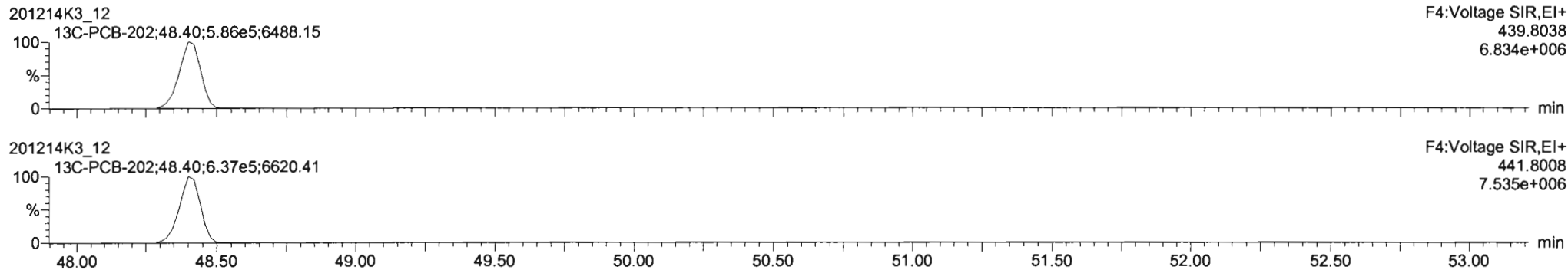
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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

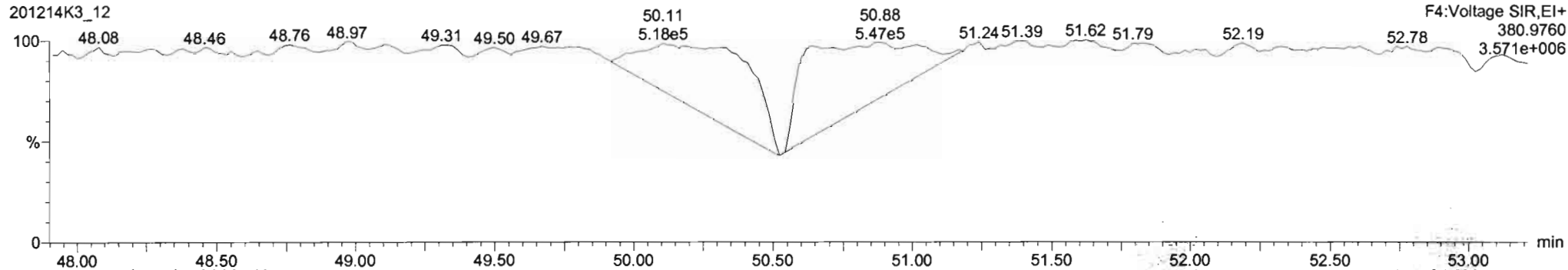
**PCB-202**

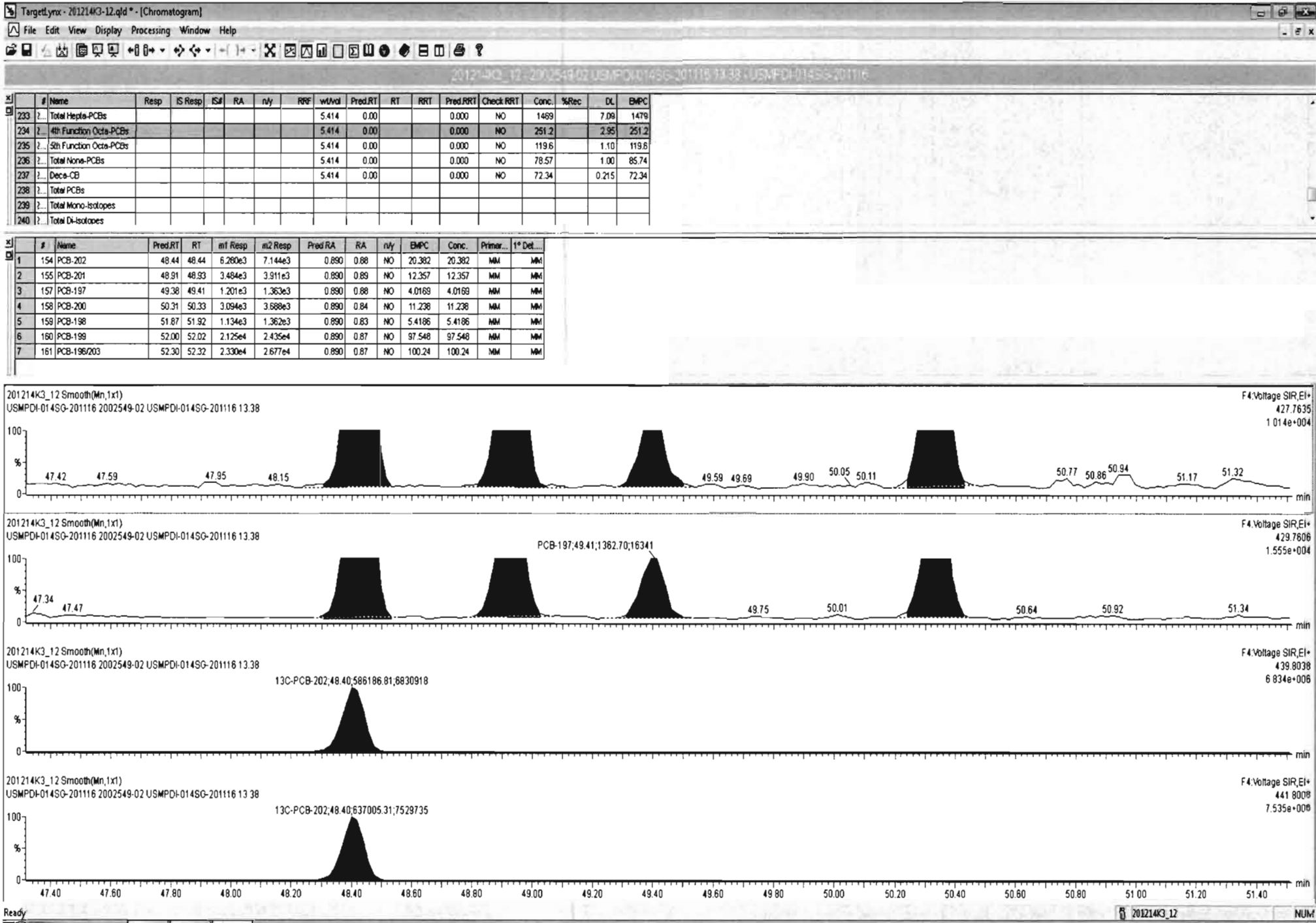


**13C-PCB-202**



**PFK4d**

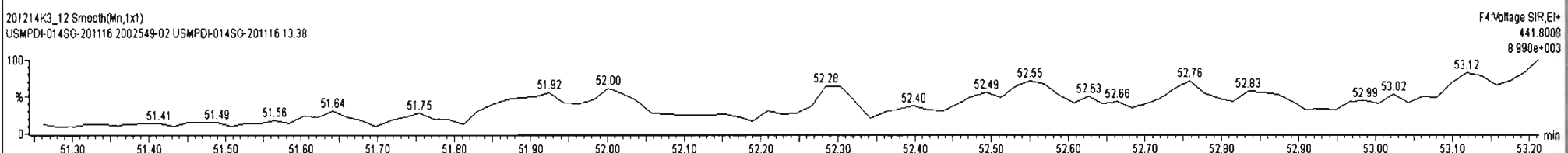
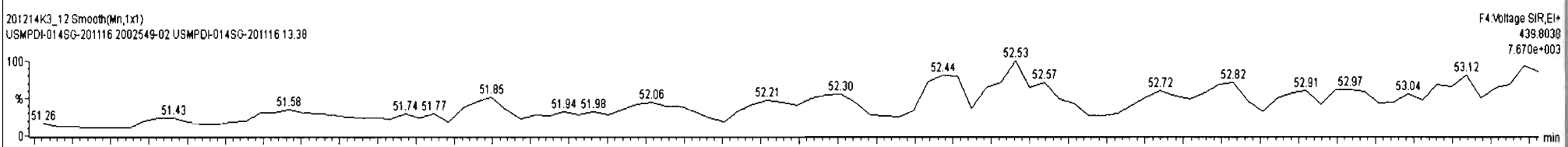
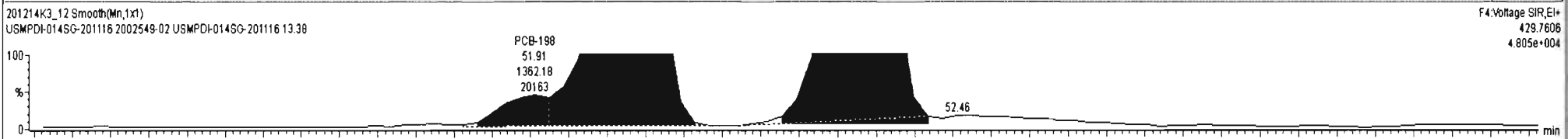
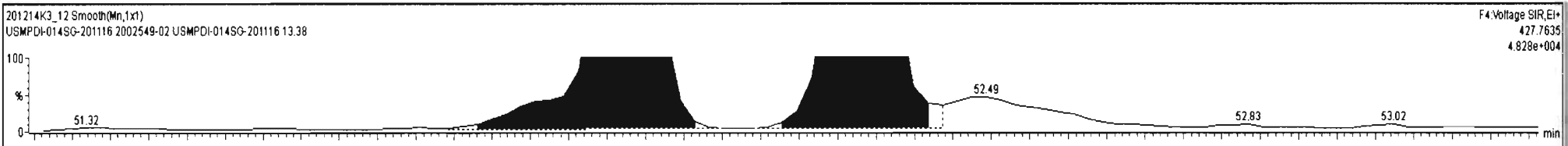




201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	R#	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1469		7.09	1479
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	251.2		2.95	251.2
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.6		1.10	119.6
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57		1.00	85.74
237	Deca-CB							5.414	0.00			0.000	NO	72.34		0.215	72.34
238	Total PCBs																
239	Total Mono-Isotopes																
240	Total Di-Isotopes																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	154 PCB-202	48.44	48.44	6.280e3	7.144e3	0.890	0.88	NO	20.382	20.382	MM	MM
2	155 PCB-201	48.91	48.93	3.484e3	3.911e3	0.890	0.89	NO	12.357	12.357	MM	MM
3	157 PCB-197	49.38	49.41	1.201e3	1.363e3	0.890	0.88	NO	4.0169	4.0169	MM	MM
4	158 PCB-200	50.31	50.33	3.094e3	3.688e3	0.890	0.84	NO	11.238	11.238	MM	MM
5	159 PCB-198	51.87	51.92	1.134e3	1.362e3	0.890	0.83	NO	5.4186	5.4186	MM	MM
6	180 PCB-199	52.00	52.02	2.125e4	2.435e4	0.890	0.87	NO	97.548	97.548	MM	MM
7	161 PCB-196/203	52.30	52.32	2.330e4	2.677e4	0.890	0.87	NO	100.24	100.24	MM	MM



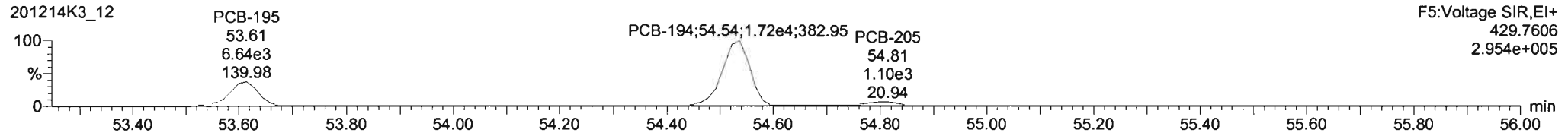
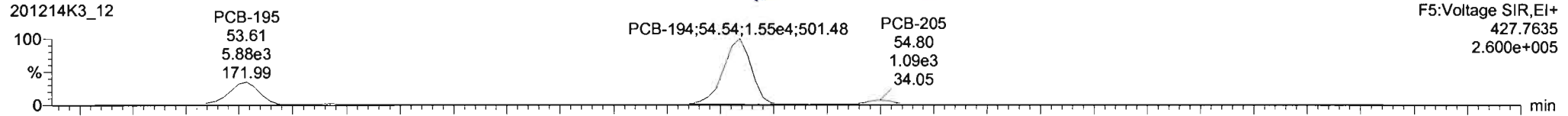
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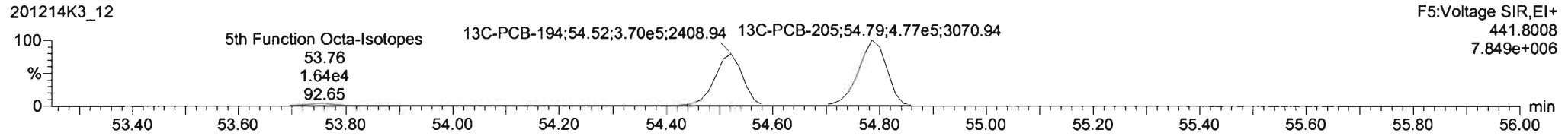
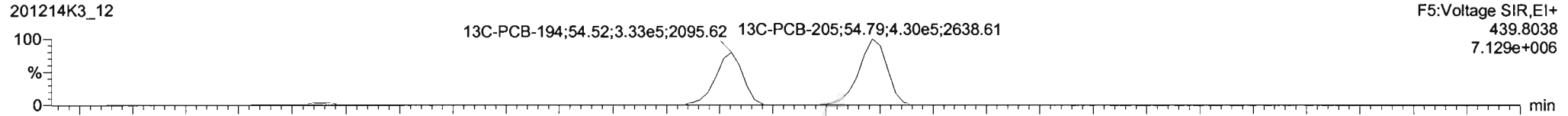
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Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

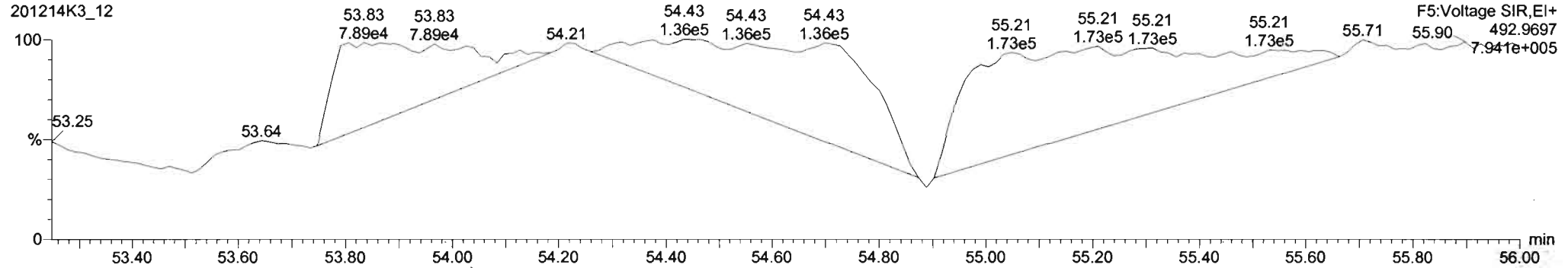
**PCB-195**



**13C-PCB-194**



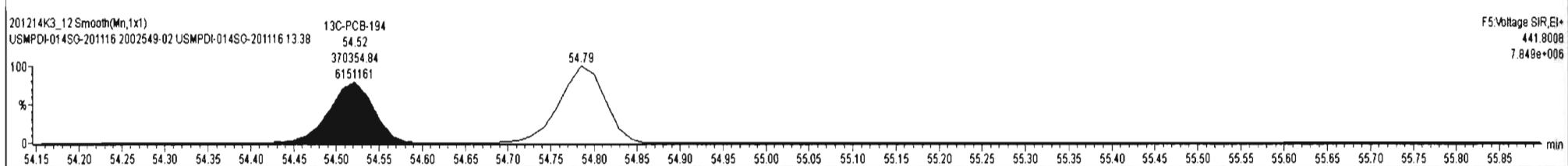
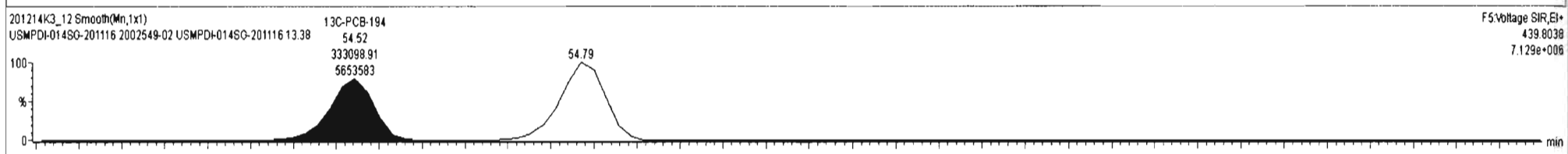
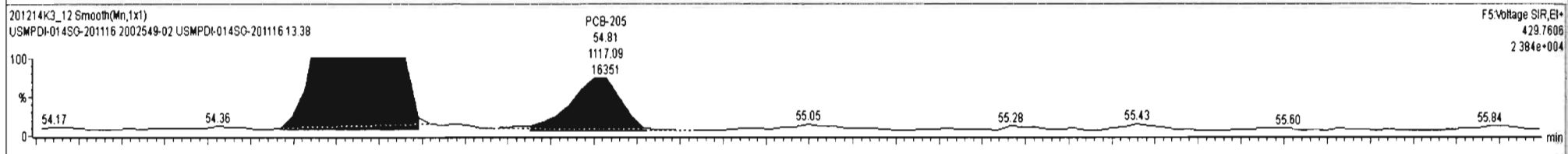
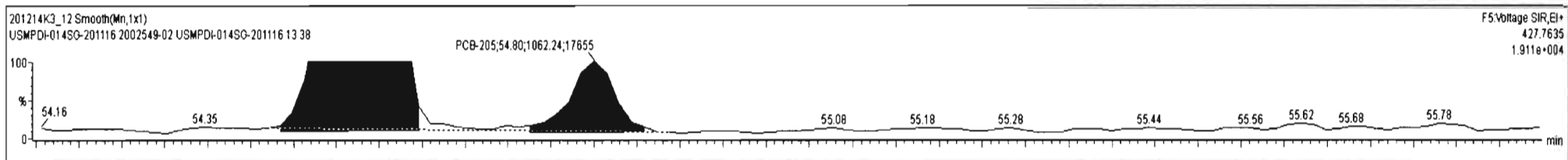
**PFK5a**





#	Name	Resp	IS Resp	IS#	RA	n/y	RF#	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1469	7.09	1479	
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	251.2	2.95	251.2	
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.8	1.10	119.8	
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.57	1.00	85.74	
237	Deca-CB							5.414	0.00			0.000	NO	72.34	0.215	72.34	
238	Total PCBs																
239	Total Mono-Isotopes																
240	Total Di-Isotopes																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	162 PCB-195	53.62	53.62	5.879e3	6.641e3	0.890	0.89	NO	34.337	34.337	bb	bb
2	163 PCB-194	54.54	54.54	1.541e4	1.729e4	0.890	0.89	NO	80.934	80.934	MM	MM
3	164 PCB-205	54.81	54.80	1.062e3	1.117e3	0.890	0.95	NO	4.5088	4.5088	MM	MM

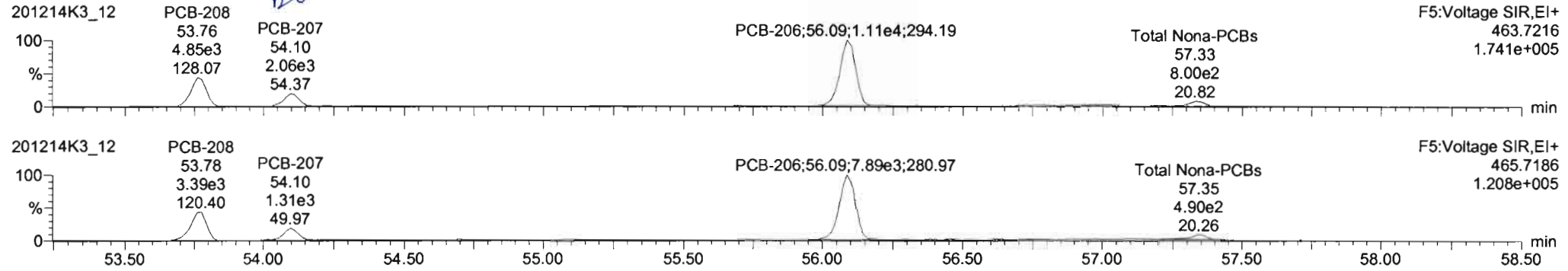


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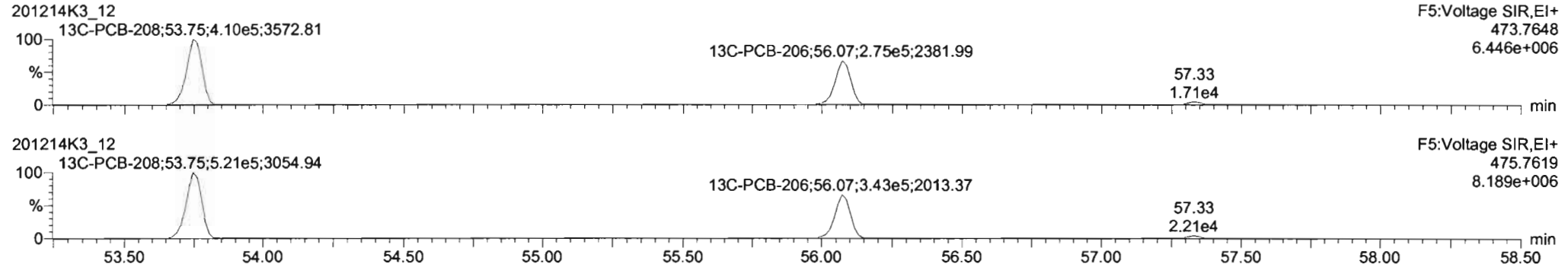
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Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

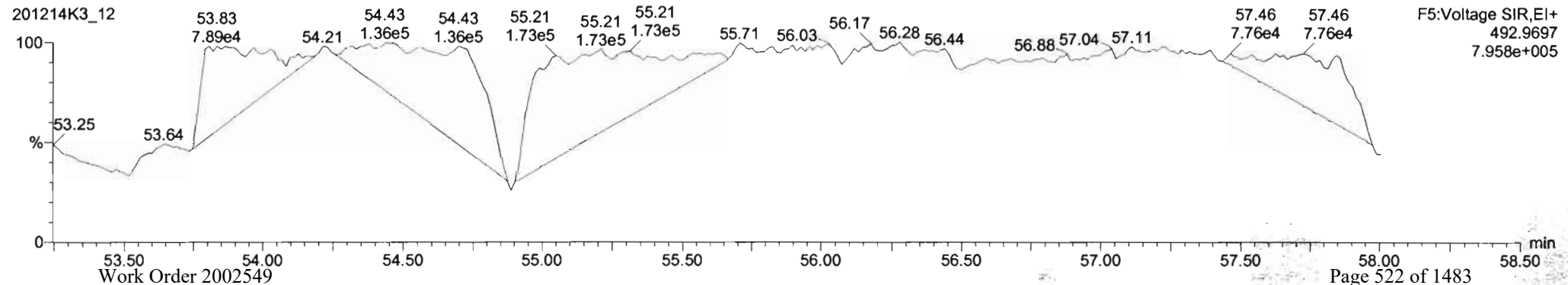
**PCB-208**



**13C-PCB-208**



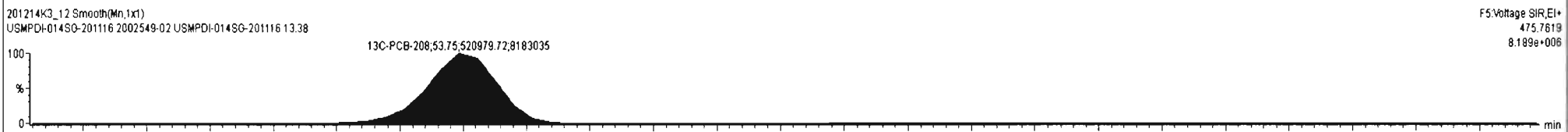
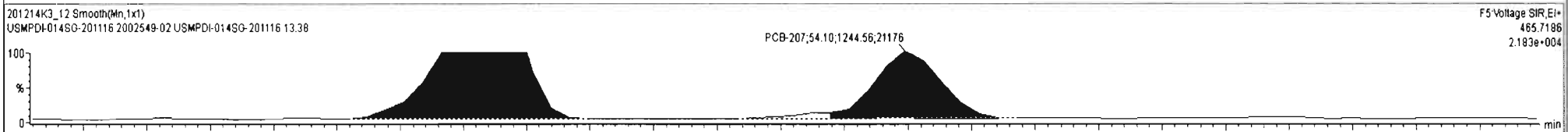
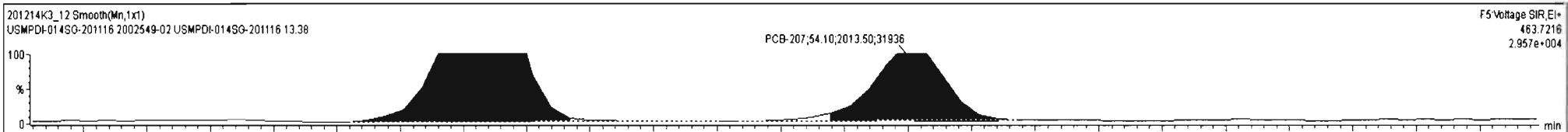
**PFK5**



201214K3\_12\_2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1469		7.09	1479
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	251.2		2.95	251.2
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.8		1.10	119.8
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.48		1.00	85.28
237	Deca-CB							5.414	0.00			0.000	NO	72.34		0.215	72.34
238	Total PCBs																
239	Total Mono-Isotopes																
240	Total Di-Isotopes																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	*° Det....
1	165 PCB-208	53.76	53.76	4.818e3	3.387e3	1.340	1.42	NO	18.922	18.922	MM	MM
2	166 PCB-207	54.10	54.10	2.014e3	1.245e3	1.340	1.62	YES	6.8050	0.00000	MM	MM
3	167 PCB-206	56.09	56.09	1.107e4	7.887e3	1.340	1.40	NO	59.555	59.555	bb	bb



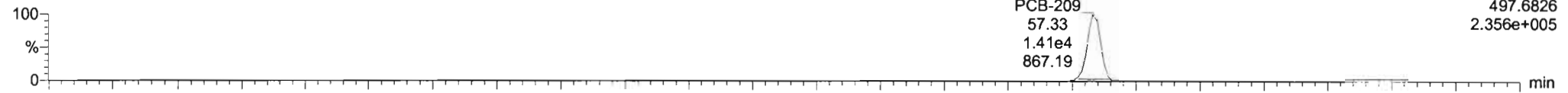
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:32:50 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:32:52 Pacific Standard Time

Name: 201214K3\_12, Date: 15-Dec-2020, Time: 13:32:25, ID: 2002549-02 USMPDI-014SG-201116 13.38, Description: USMPDI-014SG-201116

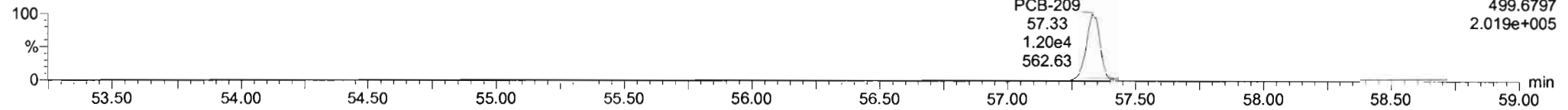
**PCB-209**

201214K3\_12



F5:Voltage SIR,EI+  
497.6826  
2.356e+005

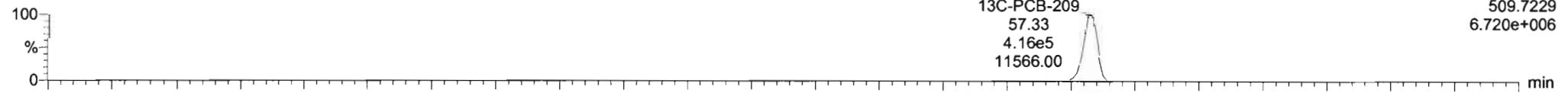
201214K3\_12



F5:Voltage SIR,EI+  
499.6797  
2.019e+005

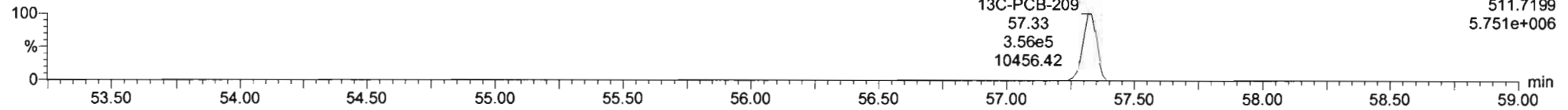
**13C-PCB-209**

201214K3\_12



F5:Voltage SIR,EI+  
509.7229  
6.720e+006

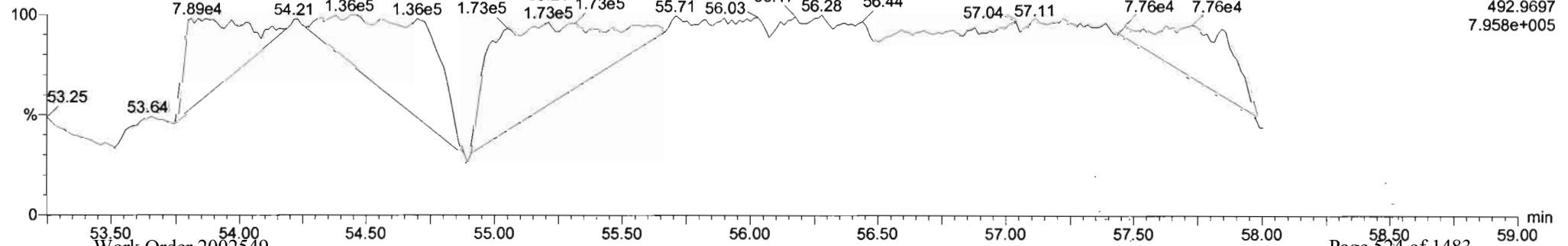
201214K3\_12



F5:Voltage SIR,EI+  
511.7199  
5.751e+006

**PFK5b**

201214K3\_12

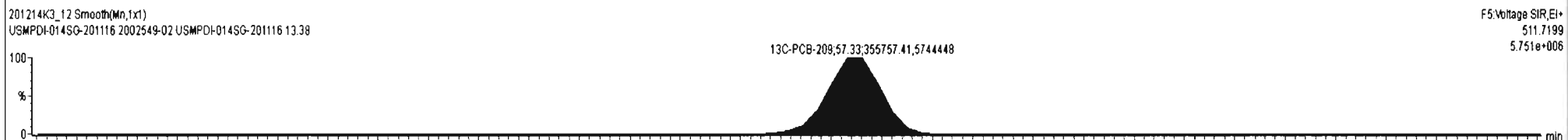
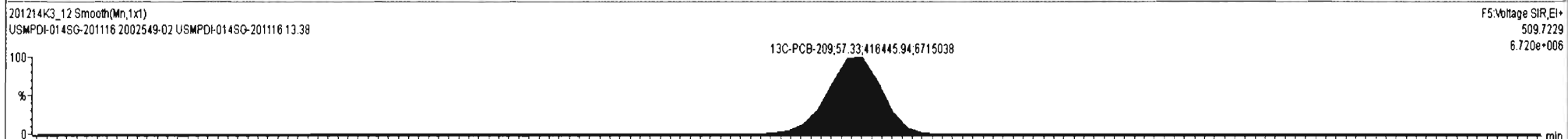
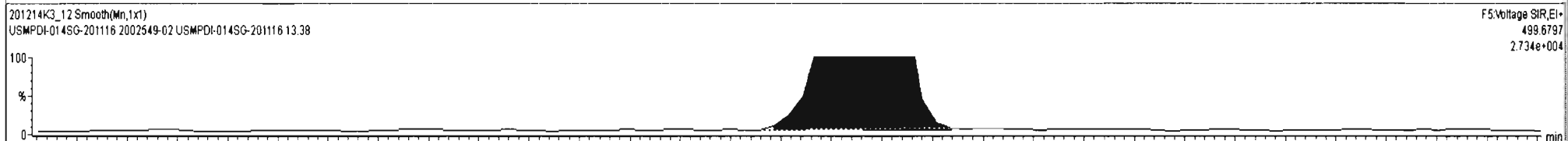
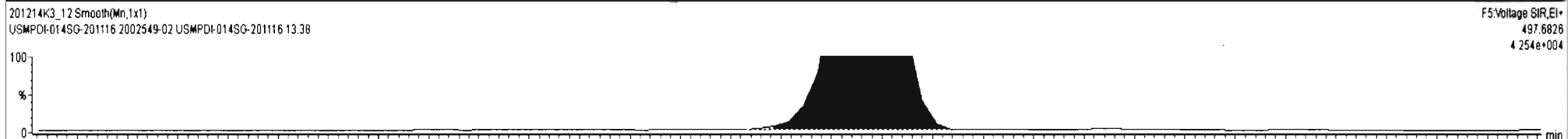


F5:Voltage SIR,EI+  
492.9697  
7.958e+005

201214K3\_12-2002549-02 USMPDI-014SG-201116 13.38 - USMPDI-014SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RF	wt/Vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
233	Total Hepta-PCBs							5.414	0.00			0.000	NO	1469	7.09	1479	
234	4th Function Octa-PCBs							5.414	0.00			0.000	NO	251.2	2.95	251.2	
235	5th Function Octa-PCBs							5.414	0.00			0.000	NO	119.8	1.10	119.8	
236	Total Nona-PCBs							5.414	0.00			0.000	NO	78.48	1.00	85.28	
237	Deca-CB							5.414	0.00			0.000	NO	72.34	0.215	72.34	
238	Total PCBs																
239	Total Mono-Isotopes																
240	Total Di-Isotopes																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	168 PCB-209	57.33	57.33	1.405e4	1.204e4	1.170	1.17	NO	72.335	72.335	MM	MM



Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:24:48 Pacific Standard Time

*Hc 12/17/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	6.79e3	2.51	YES	0.986	5.115	15.44	15.44	1.001	1.001	NO	6.980		0.254	6.584
2	2 PCB-2	1.39e4	2.97	NO	1.02	5.115	17.85	17.85	0.988	0.989	NO	13.66		0.242	13.66
3	3 PCB-3	1.08e4	2.81	NO	1.00	5.115	18.07	18.08	1.001	1.001	NO	10.81		0.247	10.81
4	4 PCB-4/10	1.56e4	1.33	NO	1.21	5.115	19.47	19.42	1.004	1.002	NO	22.79		1.57	22.79
5	5 PCB-7/9			NO	0.939	5.115	21.26		1.003		YES			1.20	
6	6 PCB-6	1.07e4	1.17	YES	0.996	5.115	21.90	21.90	1.033	1.033	NO	11.11		1.13	9.815
7	7 PCB-5/8	4.09e4	1.46	NO	0.976	5.115	22.31	22.30	1.052	1.052	NO	43.44		1.15	43.44
8	8 PCB-14			NO	1.02	5.115	23.45		0.951		YES			1.16	
9	9 PCB-11	7.32e4	1.52	NO	1.12	5.115	24.67	24.67	1.001	1.001	NO	65.98		1.06	65.98
10	10 PCB-12/13	1.13e4	1.03	YES	1.02	5.115	25.10	25.04	1.018	1.016	NO	11.18		1.16	9.303
11	11 PCB-15	5.82e4	1.55	NO	1.02	5.115	25.38	25.38	1.030	1.030	NO	57.59		1.17	57.59
12	12 PCB-19	1.40e4	1.06	NO	0.972	5.115	23.64	23.64	1.001	1.001	NO	27.65		0.429	27.65
13	13 PCB-30			NO	1.54	5.115	24.55		1.040		YES			0.271	
14	14 PCB-18	5.31e4	1.01	NO	0.719	5.115	25.31	25.30	0.952	0.951	NO	89.45		0.359	89.45
15	15 PCB-17	2.87e4	1.04	NO	0.672	5.115	25.48	25.48	0.958	0.958	NO	51.82		0.384	51.82
16	16 PCB-24/27	6.95e3	0.91	NO	0.932	5.115	26.06	26.05	0.980	0.980	NO	9.020		0.277	9.020
17	17 PCB-16/32	3.98e4	1.05	NO	0.824	5.115	26.61	26.61	1.001	1.001	NO	58.41		0.313	58.41
18	18 PCB-34	2.27e3	1.27	YES	0.878	5.115	27.40	27.42	0.958	0.959	NO	2.894		0.462	2.599
19	19 PCB-23			NO	0.892	5.115	27.50		0.962		YES			0.455	
20	20 PCB-29			NO	0.861	5.115	27.76		0.971		YES			0.471	
21	21 PCB-26	2.92e4	1.13	NO	0.915	5.115	27.99	27.98	0.979	0.979	NO	35.79		0.444	35.79
22	22 PCB-25	1.80e4	1.00	NO	0.915	5.115	28.14	28.15	0.984	0.984	NO	22.01		0.443	22.01
23	23 PCB-31	1.49e5	1.01	NO	1.03	5.115	28.51	28.52	0.997	0.997	NO	162.1		0.394	162.1
24	24 PCB-28	1.98e5	1.03	NO	1.01	5.115	28.61	28.61	1.001	1.001	NO	218.6		0.400	218.6
25	25 PCB-20/21/33	7.97e4	1.07	NO	0.913	5.115	29.25	29.28	1.023	1.024	NO	97.91		0.445	97.91
26	26 PCB-22	4.79e4	0.95	NO	0.948	5.115	29.69	29.71	1.038	1.039	NO	56.66		0.428	56.66
27	27 PCB-36			NO	1.07	5.115	30.38		0.932		YES			0.391	
28	28 PCB-39	1.44e3	1.21	YES	1.00	5.115	30.86	30.83	0.946	0.945	NO	1.703		0.416	1.575
29	29 PCB-38	3.35e3	1.06	NO	1.05	5.115	31.65	31.65	0.970	0.970	NO	3.772		0.398	3.772
30	30 PCB-35	3.55e3	1.19	NO	1.05	5.115	32.19	32.20	0.987	0.987	NO	4.013		0.399	4.013
31	31 PCB-37	6.69e4	1.09	NO	1.03	5.115	32.63	32.63	1.001	1.001	NO	77.01		0.406	77.01

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:24:48 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	3.88e3	0.76	NO	0.974	5.115	27.46	27.46	1.001	1.001	NO	5.658		0.318	5.658
33	33 PCB-50	1.02e3	0.81	NO	0.803	5.115	28.66	28.67	1.044	1.045	NO	1.802		0.386	1.802
34	34 PCB-53	2.31e4	0.83	NO	0.939	5.115	29.32	29.32	0.943	0.943	NO	42.97		0.432	42.97
35	35 PCB-51	1.36e4	0.78	NO	1.00	5.115	29.68	29.67	0.955	0.955	NO	23.81		0.406	23.81
36	36 PCB-45	1.36e4	0.72	NO	0.802	5.115	30.13	30.12	0.969	0.969	NO	29.59		0.505	29.59
37	37 PCB-46	5.62e3	0.87	NO	0.770	5.115	30.63	30.62	0.985	0.985	NO	12.72		0.526	12.72
38	38 PCB-52/69	1.94e5	0.77	NO	1.08	5.115	31.12	31.11	1.001	1.001	NO	312.3		0.375	312.3
39	39 PCB-73	1.07e3	0.75	NO	1.31	5.115	31.24	31.22	1.005	1.004	NO	1.429		0.310	1.429
40	40 PCB-43/49	1.36e5	0.76	NO	0.925	5.115	31.41	31.42	1.010	1.011	NO	256.0		0.438	256.0
41	41 PCB-47	7.12e4	0.75	NO	0.863	5.115	31.65	31.65	1.001	1.001	NO	135.9		0.460	135.9
42	42 PCB-48/75	2.71e4	0.70	NO	1.04	5.115	31.78	31.78	1.005	1.005	NO	43.03		0.382	43.03
43	43 PCB-65			NO	1.16	5.115	32.06		1.014		YES			0.342	
44	44 PCB-62			NO	1.04	5.115	32.15		1.016		YES			0.383	
45	45 PCB-44	1.07e5	0.77	NO	0.757	5.115	32.48	32.46	1.027	1.026	NO	233.5		0.524	233.5
46	46 PCB-42/59	4.64e4	0.75	NO	0.975	5.115	32.71	32.71	1.034	1.034	NO	78.50		0.407	78.50
47	47 PCB-41/64/71/72	1.50e5	0.78	NO	1.12	5.115	33.31	33.28	1.053	1.052	NO	221.7		0.356	221.7
48	48 PCB-68	4.52e3	0.76	NO	1.19	5.115	33.58	33.56	1.062	1.061	NO	6.258		0.334	6.258
49	49 PCB-40	1.47e4	0.82	NO	0.572	5.115	33.81	33.77	1.069	1.068	NO	42.18		0.693	42.18
50	50 PCB-57	2.00e3	0.82	NO	1.08	5.115	34.14	34.16	0.969	0.969	NO	2.530		0.288	2.530
51	51 PCB-67	6.54e3	0.82	NO	1.02	5.115	34.45	34.46	0.978	0.978	NO	8.748		0.305	8.748
52	52 PCB-58	1.65e3	0.64	YES	1.08	5.115	34.57	34.59	0.981	0.982	NO	2.067		0.286	1.848
53	53 PCB-63	9.60e3	0.76	NO	0.971	5.115	34.74	34.73	0.986	0.986	NO	13.43		0.319	13.43
54	54 PCB-74	1.14e5	0.77	NO	1.09	5.115	35.04	35.03	0.994	0.994	NO	142.1		0.285	142.1
55	55 PCB-61/70	2.86e5	0.77	NO	0.978	5.115	35.25	35.26	1.000	1.001	NO	397.1		0.317	397.1
56	56 PCB-76/66	2.55e5	0.74	NO	1.07	5.115	35.43	35.46	1.005	1.006	NO	323.7		0.289	323.7
57	57 PCB-80			NO	1.08	5.115	35.69		1.001		YES			0.280	
58	58 PCB-55	3.70e3	0.67	NO	1.06	5.115	36.02	35.98	1.010	1.009	NO	4.541		0.283	4.541
59	59 PCB-56/60	1.27e5	0.78	NO	0.946	5.115	36.53	36.52	1.024	1.024	NO	175.0		0.319	175.0
60	60 PCB-79	6.53e3	0.82	NO	1.06	5.115	37.63	37.64	1.055	1.055	NO	8.051		0.284	8.051
61	61 PCB-78	1.24e3	0.78	NO	1.01	5.115	38.34	38.29	0.987	0.985	NO	1.650		0.308	1.650
62	62 PCB-81	2.08e3	0.77	NO	0.941	5.115	38.88	38.92	1.000	1.001	NO	2.955		0.329	2.955
63	63 PCB-77	2.70e4	0.75	NO	1.03	5.115	39.50	39.50	1.000	1.000	NO	36.08		0.323	36.08
64	64 PCB-104	9.00e2	1.03	YES	0.982	5.115	32.32	32.30	1.001	1.000	NO	1.330		0.247	1.105
65	65 PCB-96	2.96e3	1.65	NO	0.982	5.115	33.61	33.60	1.041	1.040	NO	4.375		0.247	4.375

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:24:48 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

	#.Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	7.60e3	1.52	NO	0.770	5.115	34.17	34.16	1.058	1.058	NO	14.33		0.315	14.33
67	67 PCB-100	5.99e3	1.46	NO	0.805	5.115	34.54	34.53	1.070	1.069	NO	10.80		0.301	10.80
68	68 PCB-94	2.12e3	1.66	NO	0.831	5.115	34.99	35.01	0.985	0.985	NO	5.020		0.403	5.020
69	69 PCB-95/98/102	1.97e5	1.60	NO	1.07	5.115	35.49	35.55	0.999	1.001	NO	363.0		0.312	363.0
70	70 PCB-93			NO	0.761	5.115	35.63		1.003		YES			0.439	
71	71 PCB-88/91	4.00e4	1.58	NO	0.910	5.115	35.96	35.98	1.012	1.013	NO	86.66		0.368	86.66
72	72 PCB-121	6.54e2	1.10	YES	1.46	5.115	36.07	36.06	1.015	1.015	NO	0.8804		0.228	0.7561
73	73 PCB-84/92	1.04e5	1.54	NO	0.826	5.115	36.91	36.91	0.990	0.990	NO	226.0		0.377	226.0
74	74 PCB-89	2.02e3	1.60	NO	0.885	5.115	37.09	37.10	0.995	0.995	NO	4.109		0.352	4.109
75	75 PCB-90/101	3.14e5	1.60	NO	0.905	5.115	37.30	37.30	1.000	1.000	NO	624.3		0.344	624.3
76	76 PCB-113	1.62e3	1.45	NO	1.26	5.115	37.54	37.54	1.007	1.007	NO	2.325		0.247	2.325
77	77 PCB-99	1.50e5	1.55	NO	0.993	5.115	37.64	37.64	1.010	1.009	NO	271.7		0.313	271.7
78	78 PCB-119	1.57e4	1.57	NO	1.53	5.115	38.12	38.12	0.987	0.987	NO	22.21		0.242	22.21
79	79 PCB-108/112	1.24e4	1.53	NO	1.25	5.115	38.28	38.29	0.991	0.991	NO	21.64		0.297	21.64
80	80 PCB-83			NO	1.56	5.115	38.44		0.995		YES			0.237	
81	81 PCB-97	6.78e4	1.54	NO	1.12	5.115	38.64	38.64	1.000	1.000	NO	130.7		0.329	130.7
82	82 PCB-86			NO	1.06	5.115	38.79		1.004		YES			0.349	
83	83 PCB-87/117/125	9.59e4	1.56	NO	1.34	5.115	38.93	38.94	1.008	1.008	NO	155.0		0.276	155.0
84	84 PCB-111/115	5.53e3	1.36	NO	1.62	5.115	39.09	39.09	1.012	1.012	NO	7.407		0.229	7.407
85	85 PCB-85/116	4.23e4	1.52	NO	1.23	5.115	39.21	39.20	1.015	1.015	NO	74.35		0.300	74.35
86	86 PCB-120	3.34e3	1.52	NO	1.79	5.115	39.48	39.50	1.022	1.023	NO	4.034		0.206	4.034
87	87 PCB-110	3.85e5	1.56	NO	1.50	5.115	39.63	39.61	1.026	1.026	NO	556.2		0.247	556.2
88	88 PCB-82	2.12e4	1.61	NO	0.638	5.115	40.27	40.26	0.976	0.976	NO	49.62		0.421	49.62
89	89 PCB-124	1.35e4	1.66	NO	1.08	5.115	40.98	40.97	0.993	0.993	NO	18.62		0.249	18.62
90	90 PCB-107/109	3.20e4	1.62	NO	1.11	5.115	41.12	41.14	0.996	0.997	NO	43.04		0.242	43.04
91	91 PCB-123	5.31e3	1.38	NO	1.00	5.115	41.29	41.28	1.000	1.000	NO	7.919		0.268	7.919
92	92 PCB-106/118	3.39e5	1.53	NO	1.02	5.115	41.51	41.49	1.001	1.000	NO	487.9		0.257	487.9
93	93 PCB-114	5.54e3	1.46	NO	1.08	5.115	42.15	42.17	1.000	1.001	NO	9.384		0.543	9.384
94	94 PCB-122	2.73e3	1.67	NO	0.930	5.115	42.30	42.30	1.004	1.004	NO	5.385		0.633	5.385
95	95 PCB-105	9.65e4	1.57	NO	1.03	5.115	43.04	43.06	1.000	1.001	NO	168.7		0.562	168.7
96	96 PCB-127			NO	1.06	5.115	43.40		1.000		YES			0.497	
97	97 PCB-126	2.23e3	1.95	YES	1.15	5.115	45.35	45.35	1.000	1.000	NO	3.391		0.501	2.942
98	98 PCB-155	3.25e2	1.07	NO	0.853	5.115	36.82	36.82	1.000	1.001	NO	0.6083		0.149	0.6083
99	99 PCB-150	1.90e3	1.38	NO	0.934	5.115	38.12	38.14	1.036	1.036	NO	3.254		0.136	3.254



Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	1... PCB-152	5.28e2	2.02	YES	1.02	5.115	38.62	38.62	1.049	1.050	NO	0.8293		0.125	0.6142
101	1... PCB-145			NO	0.983	5.115	39.09		1.062		YES			0.129	
102	1... PCB-136	5.80e4	1.29	NO	0.881	5.115	39.40	39.40	1.071	1.071	NO	105.2		0.144	105.2
103	1... PCB-148	1.65e3	0.71	YES	0.666	5.115	39.53	39.53	1.074	1.074	NO	3.958		0.191	2.972
104	1... PCB-154	9.48e3	1.34	NO	0.721	5.115	40.03	40.04	1.088	1.088	NO	21.02		0.177	21.02
105	1... PCB-151	7.71e4	1.21	NO	0.674	5.115	40.70	40.69	1.106	1.106	NO	182.6		0.189	182.6
106	1... PCB-135	4.39e4	1.31	NO	0.723	5.115	40.93	40.91	1.112	1.112	NO	96.96		0.176	96.96
107	1... PCB-144	1.26e4	1.22	NO	0.691	5.115	41.02	41.02	1.115	1.115	NO	29.06		0.184	29.06
108	1... PCB-147	7.96e3	1.23	NO	0.713	5.115	41.16	41.17	1.119	1.119	NO	17.84		0.179	17.84
109	1... PCB-139/149	2.80e5	1.25	NO	0.773	5.115	41.44	41.43	1.126	1.126	NO	579.0		0.165	579.0
110	1... PCB-140	2.70e3	1.50	YES	0.652	5.115	41.64	41.64	1.131	1.131	NO	6.619		0.195	5.936
111	1... PCB-134/143	1.25e4	1.22	NO	0.718	5.115	42.07	42.09	0.974	0.975	NO	35.17		0.619	35.17
112	1... PCB-131/133	9.09e3	1.27	NO	0.768	5.115	42.40	42.40	0.982	0.982	NO	23.84		0.579	23.84
113	1... PCB-142			NO	0.687	5.115	42.55		0.985		YES			0.647	
114	1... PCB-146/165	6.63e4	1.29	NO	0.943	5.115	42.79	42.81	0.991	0.991	NO	141.5		0.471	141.5
115	1... PCB-132/161	8.35e4	1.24	NO	0.957	5.115	43.04	43.08	0.997	0.997	NO	175.8		0.464	175.8
116	1... PCB-153	3.61e5	1.22	NO	0.990	5.115	43.23	43.23	1.001	1.001	NO	733.6		0.449	733.6
117	1... PCB-168	7.46e2	0.92	YES	1.03	5.115	43.44	43.44	1.006	1.006	NO	1.451		0.429	1.255
118	1... PCB-141	5.68e4	1.24	NO	0.948	5.115	43.99	43.99	1.000	1.000	NO	132.6		0.534	132.6
119	1... PCB-137	1.05e4	1.19	NO	0.964	5.115	44.36	44.38	1.009	1.009	NO	24.02		0.526	24.02
120	1... PCB-130	1.71e4	1.09	NO	0.816	5.115	44.48	44.48	1.012	1.012	NO	46.50		0.621	46.50
121	1... PCB-138/163/164	3.78e5	1.24	NO	1.15	5.115	44.88	44.86	1.001	1.001	NO	704.0		0.401	704.0
122	1... PCB-158/160	3.41e4	1.21	NO	1.14	5.115	45.12	45.09	1.007	1.006	NO	64.40		0.406	64.40
123	1... PCB-129	7.99e3	1.25	NO	0.807	5.115	45.37	45.37	1.012	1.012	NO	21.28		0.573	21.28
124	1... PCB-166	1.21e3	1.19	NO	1.03	5.115	45.85	45.82	0.993	0.993	NO	2.058		0.382	2.058
125	1... PCB-159			NO	1.10	5.115	46.18		1.000		YES			0.360	
126	1... PCB-128/162	4.21e4	1.23	NO	0.836	5.115	46.48	46.45	1.007	1.006	NO	88.08		0.471	88.08
127	1... PCB-167	1.44e4	1.30	NO	0.960	5.115	46.88	46.89	1.000	1.000	NO	24.75		0.378	24.75
128	1... PCB-156	3.47e4	1.22	NO	1.06	5.115	48.21	48.21	1.000	1.000	NO	57.32		0.366	57.32
129	1... PCB-157	6.43e3	1.12	NO	0.960	5.115	48.50	48.48	1.000	1.000	NO	11.47		0.414	11.47
130	1... PCB-169			NO	1.04	5.115	50.77		1.000		YES			0.379	
131	1... PCB-188	6.35e2	1.05	NO	1.15	5.115	42.85	42.81	1.001	1.000	NO	1.111		0.264	1.111
132	1... PCB-184	4.08e2	0.65	YES	1.14	5.115	43.30	43.29	1.011	1.011	NO	0.7190		0.266	0.5528
133	1... PCB-179	6.01e4	1.05	NO	1.07	5.115	44.10	44.10	1.030	1.030	NO	112.4		0.282	112.4

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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	1... PCB-176	1.60e4	1.00	NO	1.11	5.115	44.57	44.57	1.041	1.041	NO	28.97		0.272	28.97
135	1... PCB-186			NO	1.23	5.115	45.20		1.056		YES			0.246	
136	1... PCB-178	2.19e4	1.05	NO	0.830	5.115	45.73	45.73	1.068	1.068	NO	52.98		0.365	52.98
137	1... PCB-175	3.75e3	1.02	NO	0.853	5.115	46.07	46.07	1.076	1.076	NO	8.837		0.355	8.837
138	1... PCB-182/187	1.40e5	1.05	NO	0.942	5.115	46.26	46.24	1.081	1.080	NO	298.7		0.322	298.7
139	1... PCB-183	5.43e4	1.00	NO	0.910	5.115	46.58	46.58	1.088	1.088	NO	119.9		0.333	119.9
140	1... PCB-185	1.13e4	1.03	NO	1.24	5.115	47.26	47.26	0.954	0.954	NO	25.01		0.348	25.01
141	1... PCB-174	9.61e4	1.05	NO	1.20	5.115	47.64	47.64	0.962	0.962	NO	219.5		0.359	219.5
142	1... PCB-181	1.41e3	0.99	NO	1.33	5.115	47.74	47.74	0.964	0.964	NO	2.898		0.324	2.898
143	1... PCB-177	5.54e4	0.99	NO	1.14	5.115	47.93	47.93	0.968	0.968	NO	132.9		0.377	132.9
144	1... PCB-171	2.40e4	1.05	NO	1.22	5.115	48.22	48.21	0.974	0.974	NO	53.89		0.354	53.89
145	1... PCB-173	2.00e3	0.79	YES	1.07	5.115	48.67	48.65	0.983	0.982	NO	5.130		0.403	4.406
146	1... PCB-172	1.52e4	0.96	NO	1.26	5.115	49.12	49.12	0.992	0.992	NO	33.14		0.342	33.14
147	1... PCB-192			NO	1.61	5.115	49.33		0.996		YES			0.267	
148	1... PCB-180	2.29e5	1.05	NO	1.30	5.115	49.54	49.54	1.000	1.000	NO	481.5		0.331	481.5
149	1... PCB-193	1.42e4	1.03	NO	1.47	5.115	49.74	49.75	1.004	1.005	NO	26.33		0.293	26.33
150	1... PCB-191	4.57e3	0.96	NO	1.51	5.115	50.01	50.01	1.010	1.010	NO	8.308		0.286	8.308
151	1... PCB-170	7.95e4	1.09	NO	1.23	5.115	51.21	51.22	1.000	1.001	NO	193.6		0.381	193.6
152	1... PCB-190	2.29e4	0.97	NO	1.61	5.115	51.42	51.41	1.005	1.004	NO	42.73		0.291	42.73
153	1... PCB-189	4.21e3	1.05	NO	1.27	5.115	52.93	52.93	1.000	1.000	NO	7.632		0.244	7.632
154	1... PCB-202	1.37e4	1.02	NO	0.995	5.115	48.44	48.44	1.001	1.001	NO	24.52		0.309	24.52
155	1... PCB-201	8.68e3	0.88	NO	0.904	5.115	48.91	48.93	1.010	1.011	NO	17.09		0.340	17.09
156	1... PCB-204			NO	0.955	5.115	49.06		1.014		YES			0.321	
157	1... PCB-197	2.54e3	0.75	YES	0.964	5.115	49.38	49.40	1.020	1.021	NO	4.686		0.318	4.253
158	1... PCB-200	7.99e3	0.87	NO	0.911	5.115	50.31	50.33	1.039	1.040	NO	15.61		0.337	15.61
159	1... PCB-198	2.17e3	0.74	YES	0.696	5.115	51.87	51.94	1.072	1.073	NO	5.557		0.441	5.009
160	1... PCB-199	4.79e4	0.89	NO	0.706	5.115	52.00	52.02	1.074	1.075	NO	120.7		0.435	120.7
161	1... PCB-196/203	5.22e4	0.92	NO	0.754	5.115	52.30	52.32	1.081	1.081	NO	123.1		0.407	123.1
162	1... PCB-195	1.11e4	0.87	NO	0.957	5.115	53.62	53.62	0.984	0.983	NO	35.46		0.605	35.46
163	1... PCB-194	3.45e4	0.86	NO	1.06	5.115	54.54	54.54	1.000	1.000	NO	99.69		0.546	99.69
164	1... PCB-205	2.28e3	0.95	NO	1.27	5.115	54.81	54.81	1.005	1.005	NO	5.514		0.456	5.514
165	1... PCB-208	7.91e3	1.40	NO	0.861	5.115	53.76	53.76	1.000	1.000	NO	22.29		0.365	22.29
166	1... PCB-207	3.54e3	1.39	NO	0.849	5.115	54.10	54.10	1.007	1.007	NO	10.12		0.370	10.12
167	1... PCB-206	1.86e4	1.32	NO	0.951	5.115	56.09	56.09	1.000	1.000	NO	69.47		0.481	69.47

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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	1... PCB-209	2.94e4	1.22	NO	0.863	5.115	57.32	57.33	1.000	1.000	NO	99.61		0.318	99.61
169	1... 13C-PCB-1	1.93e6	3.14	NO	0.937	5.115	15.42	15.43	0.608	0.609	NO	1719	87.9	3.73	
170	1... 13C-PCB-3	1.95e6	3.24	NO	0.934	5.115	18.05	18.06	0.712	0.712	NO	1744	89.2	3.74	
171	1... 13C-PCB-4	1.11e6	1.59	NO	0.599	5.115	19.40	19.39	0.765	0.765	NO	1543	78.9	0.699	
172	1... 13C-PCB-9	1.89e6	1.58	NO	0.960	5.115	21.21	21.20	0.836	0.836	NO	1639	83.8	0.436	
173	1... 13C-PCB-11	1.94e6	1.56	NO	0.929	5.115	24.64	24.65	0.971	0.972	NO	1745	89.3	0.451	
174	1... 13C-PCB-19	1.02e6	1.03	NO	0.506	5.115	23.61	23.61	0.931	0.931	NO	1673	85.6	7.68	
175	1... 13C-PCB-32	1.61e6	1.00	NO	0.738	5.115	26.60	26.59	1.049	1.048	NO	1826	93.4	5.27	
176	1... 13C-PCB-28	1.74e6	1.03	NO	1.06	5.115	28.59	28.59	1.004	1.004	NO	1787	91.4	6.26	
177	1... 13C-PCB-37	1.65e6	1.05	NO	0.979	5.115	32.57	32.61	1.143	1.145	NO	1835	93.9	6.78	
178	1... 13C-PCB-54	1.38e6	0.78	NO	0.981	5.115	27.43	27.44	0.751	0.752	NO	1701	87.0	1.02	
179	1... 13C-PCB-52	1.12e6	0.79	NO	0.786	5.115	31.09	31.09	0.852	0.852	NO	1730	88.5	1.27	
180	1... 13C-PCB-47	1.19e6	0.78	NO	0.833	5.115	31.60	31.63	0.866	0.866	NO	1729	88.4	1.20	
181	1... 13C-PCB-70	1.44e6	0.78	NO	0.981	5.115	35.23	35.24	0.965	0.965	NO	1778	90.9	1.02	
182	1... 13C-PCB-80	1.50e6	0.79	NO	1.01	5.115	35.66	35.67	0.977	0.977	NO	1791	91.6	0.988	
183	1... 13C-PCB-81	1.46e6	0.79	NO	0.995	5.115	38.86	38.87	1.064	1.065	NO	1784	91.3	1.01	
184	1... 13C-PCB-77	1.42e6	0.78	NO	0.977	5.115	39.48	39.48	1.082	1.082	NO	1763	90.2	1.03	
185	1... 13C-PCB-104	1.35e6	1.59	NO	1.00	5.115	32.29	32.30	0.826	0.827	NO	1776	90.8	0.719	
186	1... 13C-PCB-95	9.92e5	1.52	NO	0.779	5.115	35.53	35.53	0.910	0.910	NO	1684	86.1	0.927	
187	1... 13C-PCB-101	1.09e6	1.55	NO	0.833	5.115	37.28	37.28	0.954	0.954	NO	1724	88.2	0.867	
188	1... 13C-PCB-97	9.03e5	1.49	NO	0.679	5.115	38.62	38.62	0.988	0.989	NO	1760	90.0	1.06	
189	1... 13C-PCB-123	1.31e6	1.52	NO	0.970	5.115	41.26	41.27	1.056	1.056	NO	1786	91.4	0.744	
190	1... 13C-PCB-118	1.33e6	1.62	NO	1.00	5.115	41.45	41.47	1.061	1.061	NO	1758	89.9	0.721	
191	1... 13C-PCB-114	1.07e6	1.56	NO	1.55	5.115	42.14	42.13	0.908	0.907	NO	1531	78.3	0.971	
192	1... 13C-PCB-105	1.08e6	1.61	NO	1.59	5.115	43.02	43.02	0.927	0.927	NO	1509	77.2	0.944	
193	1... 13C-PCB-127	1.18e6	1.61	NO	1.66	5.115	43.39	43.38	0.934	0.934	NO	1588	81.2	0.907	
194	1... 13C-PCB-126	1.12e6	1.58	NO	1.65	5.115	45.33	45.33	0.976	0.976	NO	1509	77.2	0.914	
195	1... 13C-PCB-155	1.22e6	1.27	NO	0.819	5.115	36.80	36.80	0.942	0.942	NO	1976	101	0.489	
196	1... 13C-PCB-153	9.71e5	1.27	NO	1.31	5.115	43.20	43.19	0.930	0.930	NO	1644	84.1	1.26	
197	1... 13C-PCB-141	8.83e5	1.26	NO	1.08	5.115	43.97	43.97	0.947	0.947	NO	1811	92.6	1.53	
198	1... 13C-PCB-138	9.11e5	1.28	NO	1.15	5.115	44.82	44.82	0.965	0.965	NO	1757	89.9	1.44	
199	1... 13C-PCB-159	1.12e6	1.29	NO	1.39	5.115	46.16	46.17	0.994	0.994	NO	1783	91.2	1.19	
200	2... 13C-PCB-167	1.19e6	1.28	NO	1.43	5.115	46.86	46.87	1.009	1.009	NO	1851	94.7	1.16	
201	2... 13C-PCB-156	1.11e6	1.25	NO	1.34	5.115	48.20	48.19	1.038	1.038	NO	1850	94.6	1.24	

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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	2... 13C-PCB-157	1.14e6	1.28	NO	1.36	5.115	48.46	48.48	1.044	1.044	NO	1868	95.5	1.22	
203	2... 13C-PCB-169	1.11e6	1.27	NO	1.33	5.115	50.73	50.75	1.092	1.093	NO	1859	95.1	1.24	
204	2... 13C-PCB-188	9.72e5	0.44	NO	1.39	5.115	42.81	42.81	0.925	0.925	NO	1751	89.6	0.804	
205	2... 13C-PCB-180	7.14e5	0.44	NO	0.907	5.115	49.53	49.52	1.071	1.070	NO	1973	101	1.23	
206	2... 13C-PCB-170	6.52e5	0.44	NO	0.823	5.115	51.18	51.19	1.106	1.106	NO	1985	102	1.36	
207	2... 13C-PCB-189	8.48e5	0.44	NO	1.08	5.115	52.88	52.91	1.143	1.144	NO	1973	101	1.04	
208	2... 13C-PCB-202	1.10e6	0.90	NO	1.23	5.115	48.41	48.40	1.046	1.046	NO	2233	114	0.807	
209	2... 13C-PCB-194	6.37e5	0.89	NO	0.710	5.115	54.53	54.52	0.995	0.995	NO	1907	97.5	1.70	
210	2... 13C-PCB-208	8.06e5	0.80	NO	0.865	5.115	53.77	53.75	0.981	0.981	NO	1978	101	1.35	
211	2... 13C-PCB-206	5.51e5	0.78	NO	0.623	5.115	56.08	56.07	1.023	1.023	NO	1880	96.1	1.87	
212	2... 13C-PCB-209	6.68e5	1.17	NO	0.725	5.115	57.32	57.32	1.046	1.046	NO	1957	100	0.454	
213	2... 13C-PCB-15	2.34e6	1.57	NO	1.00	5.115	25.39	25.36	1.000	0.000	NO	1955	100	0.419	
214	2... 13C-PCB-31	1.80e6	1.08	NO	1.00	5.115	28.52	28.48	1.000	0.000	NO	1955	100	6.63	
215	2... 13C-PCB-60	1.61e6	0.79	NO	1.00	5.115	36.54	36.50	1.000	0.000	NO	1955	100	1.00	
216	2... 13C-PCB-111	1.48e6	1.59	NO	1.00	5.115	39.11	39.07	1.000	0.000	NO	1955	100	0.722	
217	2... 13C-PCB-128	8.79e5	1.27	NO	1.00	5.115	46.47	46.43	1.000	0.000	NO	1955	100	1.66	
218	2... 13C-PCB-182	7.81e5	0.45	NO	1.00	5.115	46.30	46.26	0.000	0.000	NO	1955	100	1.12	
219	2... 13C-PCB-205	9.21e5	0.93	NO	1.00	5.115	54.81	54.80	1.000	0.000	NO	1955	100	1.21	
220	2... 13C-PCB-79	1.47e6	0.75	NO	1.04	5.115	37.60	37.60	1.030	1.030	NO	1726	88.3	0.967	
221	2... 13C-PCB-178	6.50e5	0.43	NO	0.774	5.115	45.70	45.69	0.988	0.988	NO	1867	95.5	1.26	
222	2... 13C-PCB-79	1.48e6	0.75	NO	1.04	5.115	37.61	37.60	0.968	0.967	NO	1894	96.9	1.07	
223	2... 13C-PCB-178	6.50e5	0.43	NO	1.02	5.115	45.69	45.69	0.923	0.923	NO	1749	89.4	1.20	
224	2... Total Mono-PCBs				1.00	5.115	0.00		0.000		NO	24.46		0.744	31.05
225	2... Total Di-PCBs				1.04	5.115	0.00		0.000		NO	189.8		0.60	208.9
226	2... 2nd Function Tri-PCBs				0.943	5.115	0.00		0.000		NO	236.3		2.03	236.3
227	2... 3rd Function Tri-PCBs				0.969	5.115	0.00		0.000		NO	677.9		5.95	682.1
228	2... Total Tetra-PCBs				0.991	5.115	0.00		0.000		NO	2563		7.8	2565
229	2... 3rd Function Penta-PCBs				1.11	5.115	0.00		0.000		NO	3191		8.64	3193
230	2... 4th Function Penta-PCBs				1.05	5.115	0.00		0.000		NO	183.5		2.73	186.4
231	2... 3rd Function Hexa-PCBs				0.791	5.115	0.00		0.000		NO	1038		2.14	1045
232	2... 4th Function Hexa-PCBs				0.946	5.115	0.00		0.000		NO	2286		9.47	2288
233	2... Total Hepta-PCBs				1.20	5.115	0.00		0.000		NO	1850		7.30	1855
234	2... 4th Function Octa-PCBs				0.860	5.115	0.00		0.000		NO	301.1		2.91	310.3
235	2... 5th Function Octa-PCBs				1.10	5.115	0.00		0.000		NO	140.7		1.61	140.7

Handwritten notes and calculations on the right side of the table:  
 914.2  
 3374.5  
 3322  
 441.8  
 918.4  
 3377.4  
 3333  
 451

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:24:48 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	2... Total Nona-PCBs				0.887	5.115	0.00		0.000		NO	101.9		1.22	101.9
237	2... Deca-CB				0.863	5.115	0.00		0.000		NO	99.61		0.318	99.61
238	2... Total PCBs														

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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:26:09 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.44	15.44	7.629e4	3.087e4	4.857e3	1.937e3	2.51	YES	6.794e3	0.00000	6.5845	0.254
2	PCB-2	17.85	17.85	1.752e5	5.628e4	1.042e4	3.505e3	2.97	NO	1.393e4	13.660	13.660	0.242
3	PCB-3	18.07	18.08	1.313e5	4.089e4	7.971e3	2.837e3	2.81	NO	1.081e4	10.805	10.805	0.247

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.47	19.42	1.334e5	9.871e4	8.909e3	6.685e3	1.33	NO	1.559e4	22.789	22.789	1.57
2	PCB-6	21.90	21.90	9.662e4	8.008e4	5.746e3	4.927e3	1.17	YES	1.067e4	0.00000	9.8146	1.13
3	PCB-5/8	22.31	22.30	3.831e5	2.607e5	2.427e4	1.661e4	1.46	NO	4.087e4	43.441	43.441	1.15
4	PCB-11	24.67	24.67	6.523e5	4.276e5	4.410e4	2.910e4	1.52	NO	7.319e4	65.982	65.982	1.06
5	PCB-12/13	25.10	25.04	7.094e4	5.619e4	5.741e3	5.577e3	1.03	YES	1.132e4	0.00000	9.3026	1.16
6	PCB-15	25.38	25.38	5.303e5	3.447e5	3.539e4	2.282e4	1.55	NO	5.821e4	57.590	57.590	1.17

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.64	23.64	1.093e5	1.063e5	7.186e3	6.776e3	1.06	NO	1.396e4	27.650	27.650	0.429
2	PCB-18	25.31	25.30	4.301e5	4.229e5	2.666e4	2.649e4	1.01	NO	5.314e4	89.445	89.445	0.359
3	PCB-17	25.48	25.48	2.263e5	2.151e5	1.466e4	1.409e4	1.04	NO	2.875e4	51.822	51.822	0.384
4	PCB-24/27	26.06	26.05	5.274e4	4.923e4	3.307e3	3.639e3	0.91	NO	6.946e3	9.0204	9.0204	0.277
5	PCB-16/32	26.61	26.61	2.155e5	1.991e5	2.035e4	1.942e4	1.05	NO	3.977e4	58.407	58.407	0.313

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Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

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ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.40	27.42	1.348e4	1.322e4	1.268e3	9.970e2	1.27	YES	2.265e3	0.00000	2.5989	0.462
2	PCB-26	27.99	27.98	2.039e5	1.843e5	1.550e4	1.369e4	1.13	NO	2.919e4	35.794	35.794	0.444
3	PCB-25	28.14	28.15	1.210e5	1.219e5	8.979e3	8.987e3	1.00	NO	1.797e4	22.013	22.013	0.443
4	PCB-31	28.51	28.52	1.014e6	9.955e5	7.468e4	7.422e4	1.01	NO	1.489e5	162.10	162.10	0.394
5	PCB-28	28.61	28.61	1.313e6	1.277e6	1.002e5	9.755e4	1.03	NO	1.977e5	218.63	218.63	0.400
6	PCB-20/21/33	29.25	29.28	4.928e5	4.644e5	4.126e4	3.842e4	1.07	NO	7.968e4	97.910	97.910	0.445
7	PCB-22	29.69	29.71	3.035e5	3.137e5	2.331e4	2.457e4	0.95	NO	4.789e4	56.657	56.657	0.428
8	PCB-39	30.86	30.83	9.794e3	8.932e3	7.898e2	6.551e2	1.21	YES	1.445e3	0.00000	1.5748	0.416
9	PCB-38	31.65	31.65	2.064e4	2.026e4	1.727e3	1.623e3	1.06	NO	3.350e3	3.7725	3.7725	0.398
10	PCB-35	32.19	32.20	2.394e4	2.276e4	1.927e3	1.625e3	1.19	NO	3.551e3	4.0127	4.0127	0.399
11	PCB-37	32.63	32.63	4.546e5	4.204e5	3.495e4	3.200e4	1.09	NO	6.695e4	77.011	77.011	0.406

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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

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ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.46	27.46	2.210e4	2.858e4	1.677e3	2.203e3	0.76	NO	3.880e3	5.6578	5.6578	0.318
2	PCB-50	28.66	28.67	5.585e3	8.148e3	4.559e2	5.622e2	0.81	NO	1.018e3	1.8019	1.8019	0.386
3	PCB-53	29.32	29.32	1.325e5	1.707e5	1.046e4	1.268e4	0.83	NO	2.314e4	42.965	42.965	0.432
4	PCB-51	29.68	29.67	7.859e4	1.007e5	5.996e3	7.651e3	0.78	NO	1.365e4	23.806	23.806	0.406
5	PCB-45	30.13	30.12	7.732e4	1.053e5	5.693e3	7.928e3	0.72	NO	1.362e4	29.595	29.595	0.505
6	PCB-46	30.63	30.62	3.374e4	3.903e4	2.615e3	3.006e3	0.87	NO	5.622e3	12.723	12.723	0.526
7	PCB-52/69	31.12	31.11	1.038e6	1.368e6	8.402e4	1.098e5	0.77	NO	1.938e5	312.32	312.32	0.375
8	PCB-73	31.24	31.22	6.980e3	1.161e4	4.603e2	6.099e2	0.75	NO	1.070e3	1.4286	1.4286	0.310
9	PCB-43/49	31.41	31.42	7.255e5	9.656e5	5.851e4	7.729e4	0.76	NO	1.358e5	255.97	255.97	0.438
10	PCB-47	31.65	31.65	3.626e5	4.847e5	3.058e4	4.059e4	0.75	NO	7.117e4	135.94	135.94	0.460
11	PCB-48/75	31.78	31.78	1.407e5	1.989e5	1.112e4	1.599e4	0.70	NO	2.710e4	43.029	43.029	0.382
12	PCB-44	32.48	32.46	6.474e5	8.384e5	4.666e4	6.070e4	0.77	NO	1.074e5	233.51	233.51	0.524
13	PCB-42/59	32.71	32.71	2.496e5	3.319e5	1.990e4	2.654e4	0.75	NO	4.644e4	78.504	78.504	0.407
14	PCB-41/64/71/72	33.31	33.28	7.834e5	1.002e6	6.593e4	8.424e4	0.78	NO	1.502e5	221.71	221.71	0.356
15	PCB-68	33.58	33.56	2.470e4	3.426e4	1.949e3	2.568e3	0.76	NO	4.517e3	6.2584	6.2584	0.334
16	PCB-40	33.81	33.77	8.203e4	1.058e5	6.599e3	8.054e3	0.82	NO	1.465e4	42.180	42.180	0.693
17	PCB-57	34.14	34.16	1.048e4	1.410e4	9.002e2	1.104e3	0.82	NO	2.004e3	2.5297	2.5297	0.288
18	PCB-67	34.45	34.46	3.650e4	4.541e4	2.939e3	3.601e3	0.82	NO	6.540e3	8.7482	8.7482	0.305
19	PCB-58	34.57	34.59	7.834e3	1.326e4	6.397e2	1.005e3	0.64	YES	1.645e3	0.00000	1.8476	0.286
20	PCB-63	34.74	34.73	5.205e4	7.077e4	4.131e3	5.465e3	0.76	NO	9.595e3	13.435	13.435	0.319
21	PCB-74	35.04	35.03	6.529e5	8.247e5	4.948e4	6.421e4	0.77	NO	1.137e5	142.12	142.12	0.285
22	PCB-61/70	35.25	35.26	1.599e6	2.088e6	1.241e5	1.617e5	0.77	NO	2.858e5	397.12	397.12	0.317
23	PCB-76/66	35.43	35.46	1.377e6	1.849e6	1.089e5	1.462e5	0.74	NO	2.551e5	323.71	323.71	0.289
24	PCB-55	36.02	35.98	1.621e4	2.491e4	1.487e3	2.214e3	0.67	NO	3.701e3	4.5409	4.5409	0.283
25	PCB-56/60	36.53	36.52	6.990e5	8.922e5	5.543e4	7.126e4	0.78	NO	1.267e5	175.01	175.01	0.319
26	PCB-79	37.63	37.64	3.434e4	4.150e4	2.936e3	3.590e3	0.82	NO	6.526e3	8.0510	8.0510	0.284
27	PCB-78	38.34	38.29	6.207e3	7.877e3	5.458e2	6.964e2	0.78	NO	1.242e3	1.6499	1.6499	0.308
28	PCB-81	38.88	38.92	2.633e4	3.274e4	9.057e2	1.175e3	0.77	NO	2.080e3	2.9550	2.9550	0.329
29	PCB-77	39.50	39.50	1.355e5	1.854e5	1.154e4	1.544e4	0.75	NO	2.698e4	36.077	36.077	0.323



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Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

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ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.32	32.30	4.996e3	4.482e3	4.558e2	4.446e2	1.03	YES	9.004e2	0.00000	1.1051	0.247
2	PCB-96	33.61	33.60	2.479e4	1.314e4	1.844e3	1.119e3	1.65	NO	2.963e3	4.3746	4.3746	0.247
3	PCB-103	34.17	34.16	5.766e4	3.821e4	4.590e3	3.014e3	1.52	NO	7.604e3	14.332	14.332	0.315
4	PCB-100	34.54	34.53	4.369e4	3.121e4	3.558e3	2.434e3	1.46	NO	5.992e3	10.799	10.799	0.301
5	PCB-94	34.99	35.01	1.576e4	1.088e4	1.319e3	7.961e2	1.66	NO	2.115e3	5.0198	5.0198	0.403
6	PCB-95/98/102	35.49	35.55	1.453e6	9.235e5	1.214e5	7.572e4	1.60	NO	1.972e5	362.96	362.96	0.312
7	PCB-88/91	35.96	35.98	3.090e5	1.982e5	2.453e4	1.549e4	1.58	NO	4.002e4	86.658	86.658	0.368
8	PCB-121	36.07	36.06	1.065e4	7.198e3	3.423e2	3.118e2	1.10	YES	6.542e2	0.00000	0.75605	0.228
9	PCB-84/92	36.91	36.91	8.017e5	5.211e5	6.274e4	4.083e4	1.54	NO	1.036e5	225.97	225.97	0.377
10	PCB-89	37.09	37.10	1.775e4	1.087e4	1.243e3	7.761e2	1.60	NO	2.019e3	4.1089	4.1089	0.352
11	PCB-90/101	37.30	37.30	2.402e6	1.495e6	1.931e5	1.204e5	1.60	NO	3.135e5	624.26	624.26	0.344
12	PCB-113	37.54	37.54	2.815e4	1.940e4	9.605e2	6.638e2	1.45	NO	1.624e3	2.3251	2.3251	0.247
13	PCB-99	37.64	37.64	1.146e6	7.469e5	9.115e4	5.862e4	1.55	NO	1.498e5	271.65	271.65	0.313
14	PCB-119	38.12	38.12	1.161e5	7.270e4	9.589e3	6.109e3	1.57	NO	1.570e4	22.210	22.210	0.242
15	PCB-108/112	38.28	38.29	9.543e4	6.230e4	7.526e3	4.924e3	1.53	NO	1.245e4	21.637	21.637	0.297
16	PCB-97	38.64	38.64	5.232e5	3.308e5	4.116e4	2.668e4	1.54	NO	6.784e4	130.73	130.73	0.329
17	PCB-87/117/125	38.93	38.94	7.317e5	4.722e5	5.847e4	3.744e4	1.56	NO	9.591e4	154.99	154.99	0.276
18	PCB-111/115	39.09	39.09	4.339e4	3.440e4	3.186e3	2.344e3	1.36	NO	5.530e3	7.4074	7.4074	0.229
19	PCB-85/116	39.21	39.20	3.238e5	2.147e5	2.553e4	1.677e4	1.52	NO	4.231e4	74.349	74.349	0.300
20	PCB-120	39.48	39.50	2.478e4	1.693e4	2.016e3	1.324e3	1.52	NO	3.340e3	4.0342	4.0342	0.206
21	PCB-110	39.63	39.61	2.897e6	1.864e6	2.346e5	1.505e5	1.56	NO	3.852e5	556.15	556.15	0.247
22	PCB-82	40.27	40.26	1.697e5	1.019e5	1.308e4	8.112e3	1.61	NO	2.119e4	49.622	49.622	0.421
23	PCB-124	40.98	40.97	8.254e4	5.577e4	8.402e3	5.049e3	1.66	NO	1.345e4	18.621	18.621	0.249
24	PCB-107/109	41.12	41.14	2.435e5	1.478e5	1.974e4	1.222e4	1.62	NO	3.195e4	43.037	43.037	0.242
25	PCB-123	41.29	41.28	3.675e4	2.783e4	3.077e3	2.230e3	1.38	NO	5.307e3	7.9187	7.9187	0.268
26	PCB-106/118	41.51	41.49	2.524e6	1.627e6	2.054e5	1.340e5	1.53	NO	3.394e5	487.94	487.94	0.257

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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

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ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.15	42.17	3.399e4	2.403e4	3.294e3	2.250e3	1.46	NO	5.544e3	9.3843	9.3843	0.543
2	PCB-122	42.30	42.30	1.890e4	1.242e4	1.707e3	1.023e3	1.67	NO	2.730e3	5.3848	5.3848	0.633
3	PCB-105	43.04	43.06	7.002e5	4.365e5	5.894e4	3.753e4	1.57	NO	9.647e4	168.70	168.70	0.562
4	PCB-126	45.35	45.35	1.569e4	9.426e3	1.473e3	7.551e2	1.95	YES	2.228e3	0.00000	2.9417	0.501

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.82	36.82	2.117e3	2.312e3	1.677e2	1.569e2	1.07	NO	3.246e2	0.60827	0.60827	0.149
2	PCB-150	38.12	38.14	1.453e4	1.099e4	1.102e3	8.001e2	1.38	NO	1.903e3	3.2538	3.2538	0.136
3	PCB-152	38.62	38.62	4.383e3	2.788e3	3.537e2	1.747e2	2.02	YES	5.285e2	0.00000	0.61419	0.125
4	PCB-136	39.40	39.40	4.077e5	3.284e5	3.268e4	2.534e4	1.29	NO	5.801e4	105.20	105.20	0.144
5	PCB-148	39.53	39.53	1.209e4	1.507e4	6.859e2	9.641e2	0.71	YES	1.650e3	0.00000	2.9722	0.191
6	PCB-154	40.03	40.04	7.006e4	5.193e4	5.437e3	4.044e3	1.34	NO	9.481e3	21.019	21.019	0.177
7	PCB-151	40.70	40.69	5.177e5	4.269e5	4.222e4	3.484e4	1.21	NO	7.706e4	182.64	182.64	0.189
8	PCB-135	40.93	40.91	3.029e5	2.414e5	2.488e4	1.899e4	1.31	NO	4.388e4	96.957	96.957	0.176
9	PCB-144	41.02	41.02	8.840e4	7.471e4	6.906e3	5.672e3	1.22	NO	1.258e4	29.063	29.063	0.184
10	PCB-147	41.16	41.17	5.545e4	4.379e4	4.397e3	3.563e3	1.23	NO	7.960e3	17.841	17.841	0.179
11	PCB-139/149	41.44	41.43	1.955e6	1.570e6	1.556e5	1.246e5	1.25	NO	2.802e5	579.02	579.02	0.165
12	PCB-140	41.64	41.64	2.078e4	1.509e4	1.620e3	1.082e3	1.50	YES	2.702e3	0.00000	5.9360	0.195

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ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.07	42.09	8.106e4	6.804e4	6.876e3	5.658e3	1.22	NO	1.253e4	35.174	35.174	0.619
2	PCB-131/133	42.40	42.40	6.277e4	5.247e4	5.081e3	4.006e3	1.27	NO	9.087e3	23.841	23.841	0.579
3	PCB-146/165	42.79	42.81	4.575e5	3.513e5	3.740e4	2.888e4	1.29	NO	6.628e4	141.50	141.50	0.471
4	PCB-132/161	43.04	43.08	5.783e5	4.607e5	4.623e4	3.729e4	1.24	NO	8.352e4	175.76	175.76	0.464
5	PCB-153	43.23	43.23	2.373e6	1.939e6	1.981e5	1.626e5	1.22	NO	3.607e5	733.65	733.65	0.449
6	PCB-168	43.44	43.44	4.857e3	4.590e3	3.571e2	3.886e2	0.92	YES	7.456e2	0.00000	1.2553	0.429
7	PCB-141	43.99	43.99	3.772e5	2.988e5	3.141e4	2.538e4	1.24	NO	5.679e4	132.63	132.63	0.534
8	PCB-137	44.36	44.38	6.642e4	5.804e4	5.678e3	4.773e3	1.19	NO	1.045e4	24.023	24.023	0.526
9	PCB-130	44.48	44.48	1.126e5	1.049e5	8.940e3	8.204e3	1.09	NO	1.714e4	46.504	46.504	0.621
10	PCB-138/163/164	44.88	44.86	2.219e6	1.784e6	2.096e5	1.687e5	1.24	NO	3.784e5	704.03	704.03	0.401
11	PCB-158/160	45.12	45.09	2.225e5	1.868e5	1.869e4	1.544e4	1.21	NO	3.413e4	64.399	64.399	0.406
12	PCB-129	45.37	45.37	5.557e4	4.354e4	4.436e3	3.558e3	1.25	NO	7.994e3	21.276	21.276	0.573
13	PCB-166	45.85	45.82	7.818e3	7.594e3	6.586e2	5.545e2	1.19	NO	1.213e3	2.0579	2.0579	0.382
14	PCB-128/162	46.48	46.45	2.790e5	2.246e5	2.326e4	1.884e4	1.23	NO	4.210e4	88.078	88.078	0.471
15	PCB-167	46.88	46.89	9.988e4	7.550e4	8.167e3	6.269e3	1.30	NO	1.444e4	24.751	24.751	0.378
16	PCB-156	48.21	48.21	2.394e5	1.931e5	1.906e4	1.565e4	1.22	NO	3.471e4	57.320	57.320	0.366
17	PCB-157	48.50	48.48	3.652e4	3.459e4	3.394e3	3.035e3	1.12	NO	6.430e3	11.469	11.469	0.414

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Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	42.85	42.81	3.838e3	4.066e3	3.257e2	3.095e2	1.05	NO	6.352e2	1.1109	1.1109	0.264
2	PCB-184	43.30	43.29	2.057e3	2.929e3	1.605e2	2.471e2	0.65	YES	4.076e2	0.00000	0.55276	0.266
3	PCB-179	44.10	44.10	3.844e5	3.624e5	3.070e4	2.935e4	1.05	NO	6.005e4	112.37	112.37	0.282
4	PCB-176	44.57	44.57	9.961e4	9.957e4	8.034e3	8.001e3	1.00	NO	1.604e4	28.973	28.973	0.272
5	PCB-178	45.73	45.73	1.331e5	1.276e5	1.119e4	1.069e4	1.05	NO	2.187e4	52.984	52.984	0.365
6	PCB-175	46.07	46.07	2.324e4	2.272e4	1.892e3	1.856e3	1.02	NO	3.748e3	8.8368	8.8368	0.355
7	PCB-182/187	46.26	46.24	8.804e5	8.377e5	7.166e4	6.826e4	1.05	NO	1.399e5	298.73	298.73	0.322
8	PCB-183	46.58	46.58	3.363e5	3.286e5	2.719e4	2.706e4	1.00	NO	5.425e4	119.86	119.86	0.333
9	PCB-185	47.26	47.26	7.027e4	6.578e4	5.739e3	5.579e3	1.03	NO	1.132e4	25.012	25.012	0.348
10	PCB-174	47.64	47.64	5.968e5	5.518e5	4.928e4	4.683e4	1.05	NO	9.611e4	219.54	219.54	0.359
11	PCB-181	47.74	47.74	1.727e4	1.416e4	6.993e2	7.088e2	0.99	NO	1.408e3	2.8984	2.8984	0.324
12	PCB-177	47.93	47.93	3.322e5	3.267e5	2.758e4	2.783e4	0.99	NO	5.540e4	132.86	132.86	0.377
13	PCB-171	48.22	48.21	1.461e5	1.347e5	1.226e4	1.172e4	1.05	NO	2.397e4	53.888	53.888	0.354
14	PCB-173	48.67	48.65	1.082e4	1.415e4	8.803e2	1.121e3	0.79	YES	2.001e3	0.00000	4.4061	0.403
15	PCB-172	49.12	49.12	9.061e4	9.214e4	7.458e3	7.763e3	0.96	NO	1.522e4	33.137	33.137	0.342
16	PCB-180	49.54	49.54	1.400e6	1.341e6	1.173e5	1.116e5	1.05	NO	2.289e5	481.49	481.49	0.331
17	PCB-193	49.74	49.75	8.284e4	8.201e4	7.188e3	6.967e3	1.03	NO	1.416e4	26.329	26.329	0.293
18	PCB-191	50.01	50.01	2.634e4	2.598e4	2.233e3	2.338e3	0.96	NO	4.571e3	8.3083	8.3083	0.286
19	PCB-170	51.21	51.22	4.994e5	4.526e5	4.154e4	3.799e4	1.09	NO	7.953e4	193.60	193.60	0.381
20	PCB-190	51.42	51.41	1.406e5	1.422e5	1.131e4	1.164e4	0.97	NO	2.295e4	42.730	42.730	0.291
21	PCB-189	52.93	52.93	3.006e4	2.845e4	2.154e3	2.056e3	1.05	NO	4.210e3	7.6321	7.6321	0.244

4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.44	48.44	7.972e4	8.304e4	6.927e3	6.780e3	1.02	NO	1.371e4	24.523	24.523	0.309
2	PCB-201	48.91	48.93	4.856e4	5.387e4	4.058e3	4.620e3	0.88	NO	8.678e3	17.085	17.085	0.340
3	PCB-197	49.38	49.40	1.374e4	1.778e4	1.085e3	1.454e3	0.75	YES	2.539e3	0.00000	4.2531	0.318
4	PCB-200	50.31	50.33	4.756e4	5.395e4	3.717e3	4.275e3	0.87	NO	7.992e3	15.608	15.608	0.337
5	PCB-198	51.87	51.94	1.279e4	1.684e4	9.222e2	1.250e3	0.74	YES	2.172e3	0.00000	5.0095	0.441
6	PCB-199	52.00	52.02	3.021e5	3.310e5	2.252e4	2.538e4	0.89	NO	4.790e4	120.75	120.75	0.435
7	PCB-196/203	52.30	52.32	3.208e5	3.602e5	2.498e4	2.722e4	0.92	NO	5.220e4	123.12	123.12	0.407

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5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.62	53.62	8.288e4	9.429e4	5.162e3	5.906e3	0.87	NO	1.107e4	35.460	35.460	0.605
2	PCB-194	54.54	54.54	2.675e5	3.084e5	1.598e4	1.850e4	0.86	NO	3.448e4	99.693	99.693	0.546
3	PCB-205	54.81	54.81	1.814e4	1.952e4	1.109e3	1.173e3	0.95	NO	2.282e3	5.5143	5.5143	0.456

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.76	53.76	7.279e4	5.338e4	4.617e3	3.293e3	1.40	NO	7.910e3	22.294	22.294	0.365
2	PCB-207	54.10	54.10	3.343e4	2.392e4	2.063e3	1.479e3	1.39	NO	3.542e3	10.115	10.115	0.370
3	PCB-206	56.09	56.09	1.694e5	1.334e5	1.060e4	8.032e3	1.32	NO	1.863e4	69.473	69.473	0.481

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.32	57.33	2.853e5	2.301e5	1.612e4	1.324e4	1.22	NO	2.936e4	99.605	99.605	0.318

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.42	15.43	2.517e7	7.645e6	1.464e6	4.665e5	3.14	NO	1.931e6	1719.3		3.73
2	13C-PCB-3	18.05	18.06	2.564e7	7.895e6	1.490e6	4.606e5	3.24	NO	1.951e6	1743.6		3.74

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**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.40	19.39	1.135e7	7.292e6	6.794e5	4.286e5	1.59	NO	1.108e6	1542.8		0.699
2	13C-PCB-9	21.21	21.20	1.910e7	1.208e7	1.154e6	7.315e5	1.58	NO	1.885e6	1639.4		0.436
3	13C-PCB-11	24.64	24.65	1.806e7	1.162e7	1.185e6	7.581e5	1.56	NO	1.943e6	1745.3		0.451
4	13C-PCB-15	25.39	25.36	2.208e7	1.401e7	1.432e6	9.111e5	1.57	NO	2.343e6	1955.1		0.419

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.61	23.61	7.783e6	7.553e6	5.155e5	5.001e5	1.03	NO	1.016e6	1673.4		7.68
2	13C-PCB-32	26.60	26.59	1.239e7	1.220e7	8.084e5	8.064e5	1.00	NO	1.615e6	1825.9		5.27

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.48	1.246e7	1.150e7	9.359e5	8.639e5	1.08	NO	1.800e6	1955.1		6.63
2	13C-PCB-28	28.59	28.59	1.150e7	1.127e7	8.852e5	8.580e5	1.03	NO	1.743e6	1787.3		6.26
3	13C-PCB-37	32.57	32.61	1.128e7	1.068e7	8.474e5	8.062e5	1.05	NO	1.654e6	1835.3		6.78

**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.43	27.44	8.060e6	1.039e7	6.013e5	7.749e5	0.78	NO	1.376e6	1701.4		1.02
2	13C-PCB-52	31.09	31.09	6.234e6	7.849e6	4.954e5	6.259e5	0.79	NO	1.121e6	1729.6		1.27
3	13C-PCB-47	31.60	31.63	6.330e6	7.978e6	5.213e5	6.654e5	0.78	NO	1.187e6	1728.5		1.20
4	13C-PCB-70	35.23	35.24	8.090e6	1.027e7	6.305e5	8.078e5	0.78	NO	1.438e6	1778.1		1.02
5	13C-PCB-80	35.66	35.67	8.377e6	1.076e7	6.603e5	8.363e5	0.79	NO	1.497e6	1790.6		0.988
6	13C-PCB-60	36.54	36.50	9.051e6	1.154e7	7.107e5	9.010e5	0.79	NO	1.612e6	1955.1		1.00
7	13C-PCB-79	37.60	37.60	7.748e6	1.042e7	6.342e5	8.400e5	0.75	NO	1.474e6	1726.3		0.967
8	13C-PCB-81	38.86	38.87	8.141e6	1.030e7	6.452e5	8.181e5	0.79	NO	1.463e6	1784.1		1.01
9	13C-PCB-77	39.48	39.48	7.550e6	9.751e6	6.228e5	7.970e5	0.78	NO	1.420e6	1763.0		1.03

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3rd Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.30	1.083e7	6.962e6	8.268e5	5.212e5	1.59	NO	1.348e6	1775.8		0.719
2	13C-PCB-95	35.53	35.53	7.724e6	5.098e6	5.983e5	3.934e5	1.52	NO	9.918e5	1684.1		0.927
3	13C-PCB-101	37.28	37.28	8.366e6	5.402e6	6.601e5	4.250e5	1.55	NO	1.085e6	1724.0		0.867
4	13C-PCB-97	38.62	38.62	6.937e6	4.521e6	5.406e5	3.625e5	1.49	NO	9.031e5	1759.6		1.06
5	13C-PCB-111	39.11	39.07	1.094e7	6.965e6	9.076e5	5.700e5	1.59	NO	1.478e6	1955.1		0.722
6	13C-PCB-123	41.26	41.27	9.626e6	6.352e6	7.903e5	5.192e5	1.52	NO	1.310e6	1786.1		0.744
7	13C-PCB-118	41.45	41.47	1.010e7	6.228e6	8.232e5	5.069e5	1.62	NO	1.330e6	1758.1		0.721

4th Function Penta-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.14	42.13	7.859e6	4.972e6	6.501e5	4.155e5	1.56	NO	1.066e6	1530.9		0.971
2	13C-PCB-105	43.02	43.02	8.040e6	5.052e6	6.660e5	4.147e5	1.61	NO	1.081e6	1509.1		0.944
3	13C-PCB-127	43.39	43.38	8.925e6	5.509e6	7.311e5	4.531e5	1.61	NO	1.184e6	1587.9		0.907
4	13C-PCB-126	45.33	45.33	8.051e6	5.123e6	6.829e5	4.334e5	1.58	NO	1.116e6	1508.7		0.914

4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.20	43.19	6.634e6	5.283e6	5.425e5	4.283e5	1.27	NO	9.708e5	1644.1		1.26
2	13C-PCB-141	43.97	43.97	5.794e6	4.652e6	4.914e5	3.914e5	1.26	NO	8.828e5	1811.1		1.53
3	13C-PCB-138	44.82	44.82	6.407e6	5.021e6	5.116e5	3.990e5	1.28	NO	9.106e5	1756.8		1.44
4	13C-PCB-159	46.16	46.17	7.525e6	5.833e6	6.286e5	4.891e5	1.29	NO	1.118e6	1782.9		1.19
5	13C-PCB-128	46.47	46.43	6.016e6	4.765e6	4.917e5	3.876e5	1.27	NO	8.794e5	1955.1		1.66
6	13C-PCB-167	46.86	46.87	8.149e6	6.418e6	6.657e5	5.217e5	1.28	NO	1.187e6	1851.2		1.16
7	13C-PCB-156	48.20	48.19	7.527e6	5.997e6	6.182e5	4.960e5	1.25	NO	1.114e6	1850.1		1.24
8	13C-PCB-157	48.46	48.48	7.449e6	5.887e6	6.412e5	5.006e5	1.28	NO	1.142e6	1868.0		1.22
9	13C-PCB-169	50.73	50.75	7.480e6	5.825e6	6.227e5	4.910e5	1.27	NO	1.114e6	1859.1		1.24

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-13.qld

Last Altered: Thursday, December 17, 2020 09:24:04 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:26:09 Pacific Standard Time

ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.53	54.52	5.116e6	5.750e6	3.010e5	3.365e5	0.89	NO	6.375e5	1906.6		1.70
2	13C-PCB-205	54.81	54.80	7.741e6	8.226e6	4.442e5	4.766e5	0.93	NO	9.208e5	1955.1		1.21



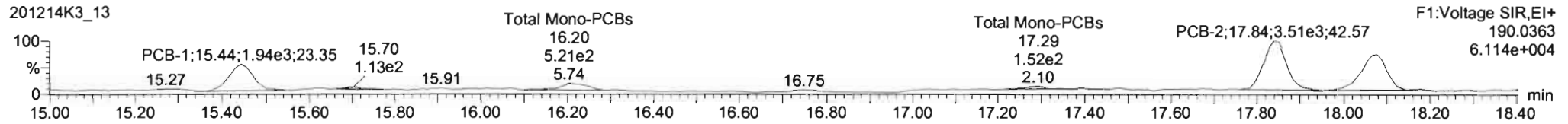
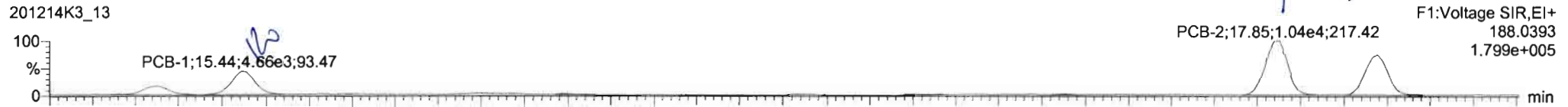
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Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
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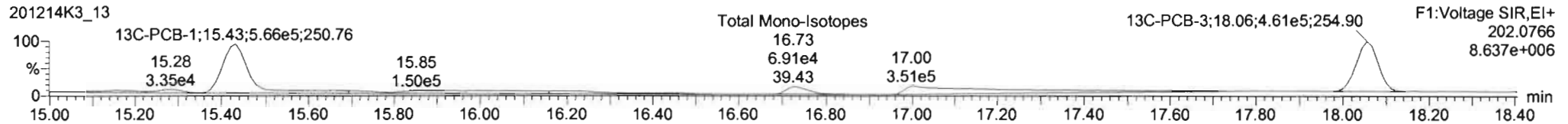
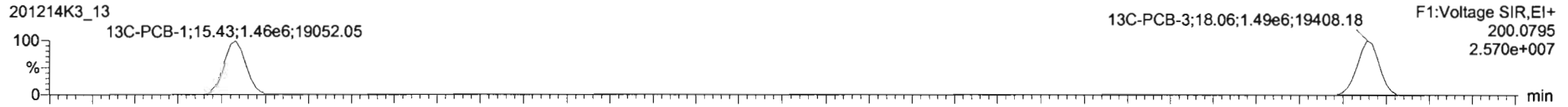
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Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

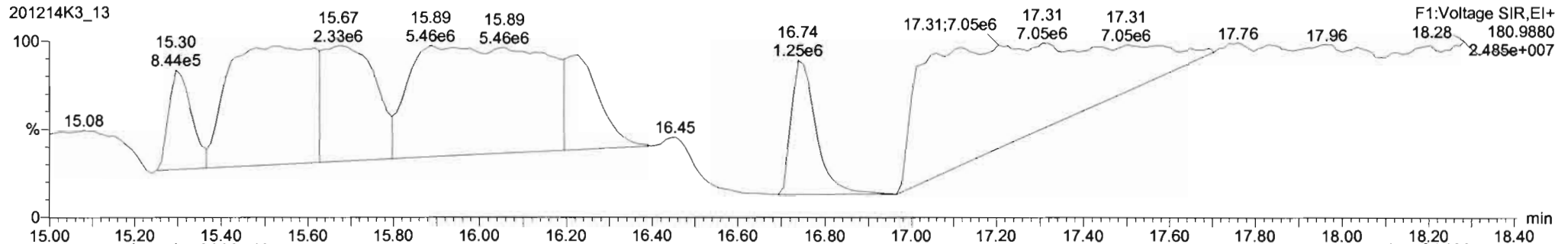
**PCB-1**

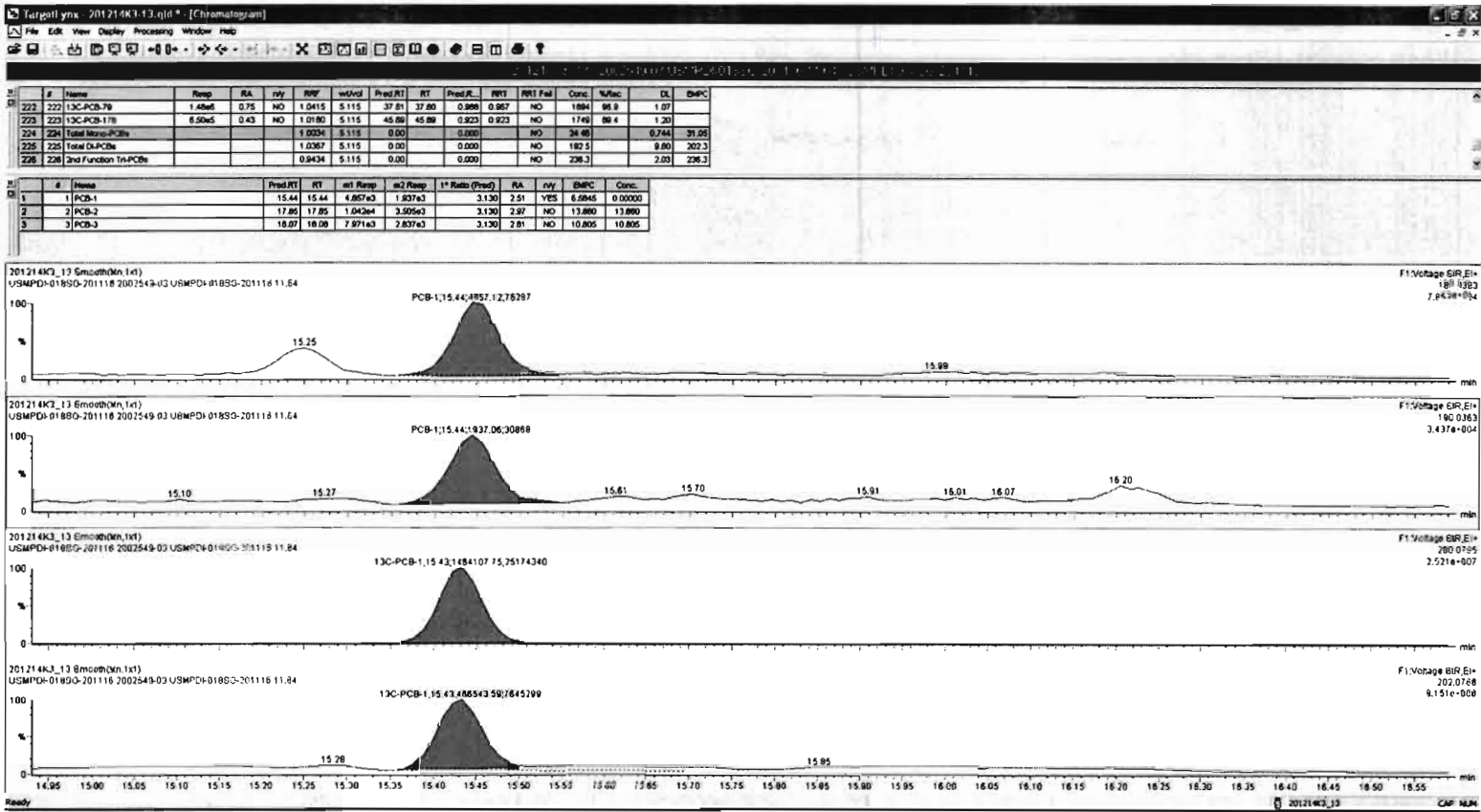


**13C-PCB-1**



**PFK1**



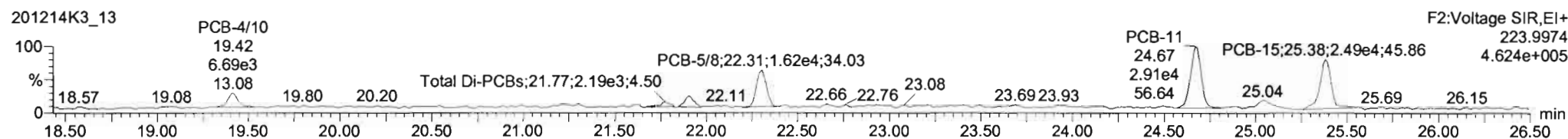
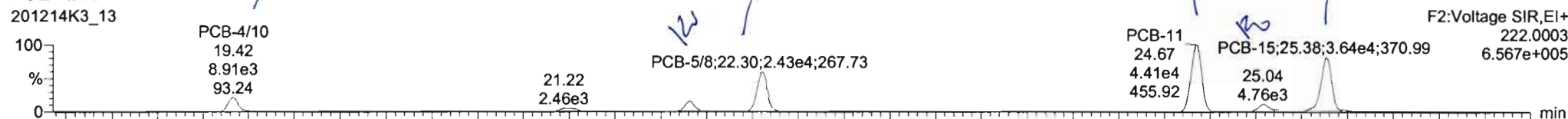


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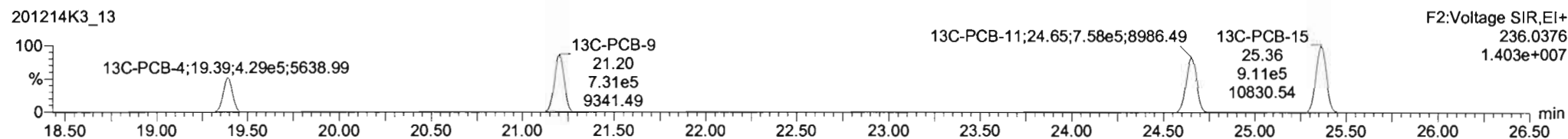
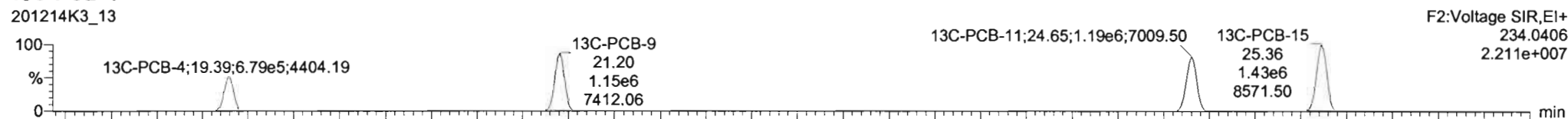
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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

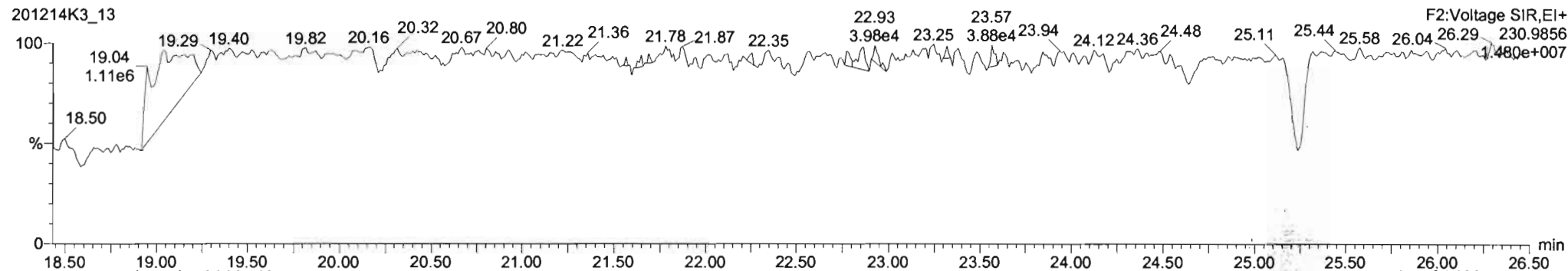
### PCB-4/10

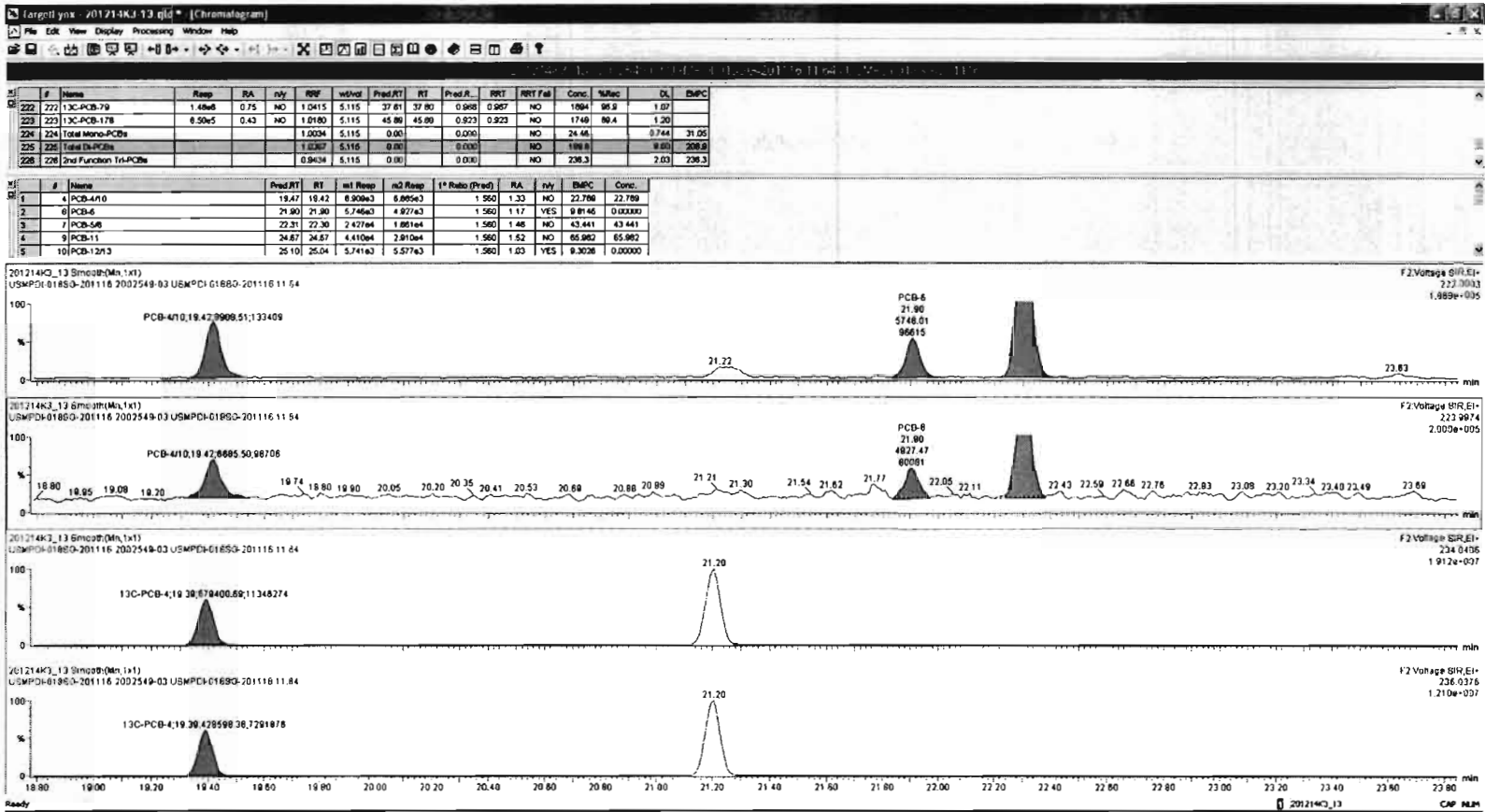


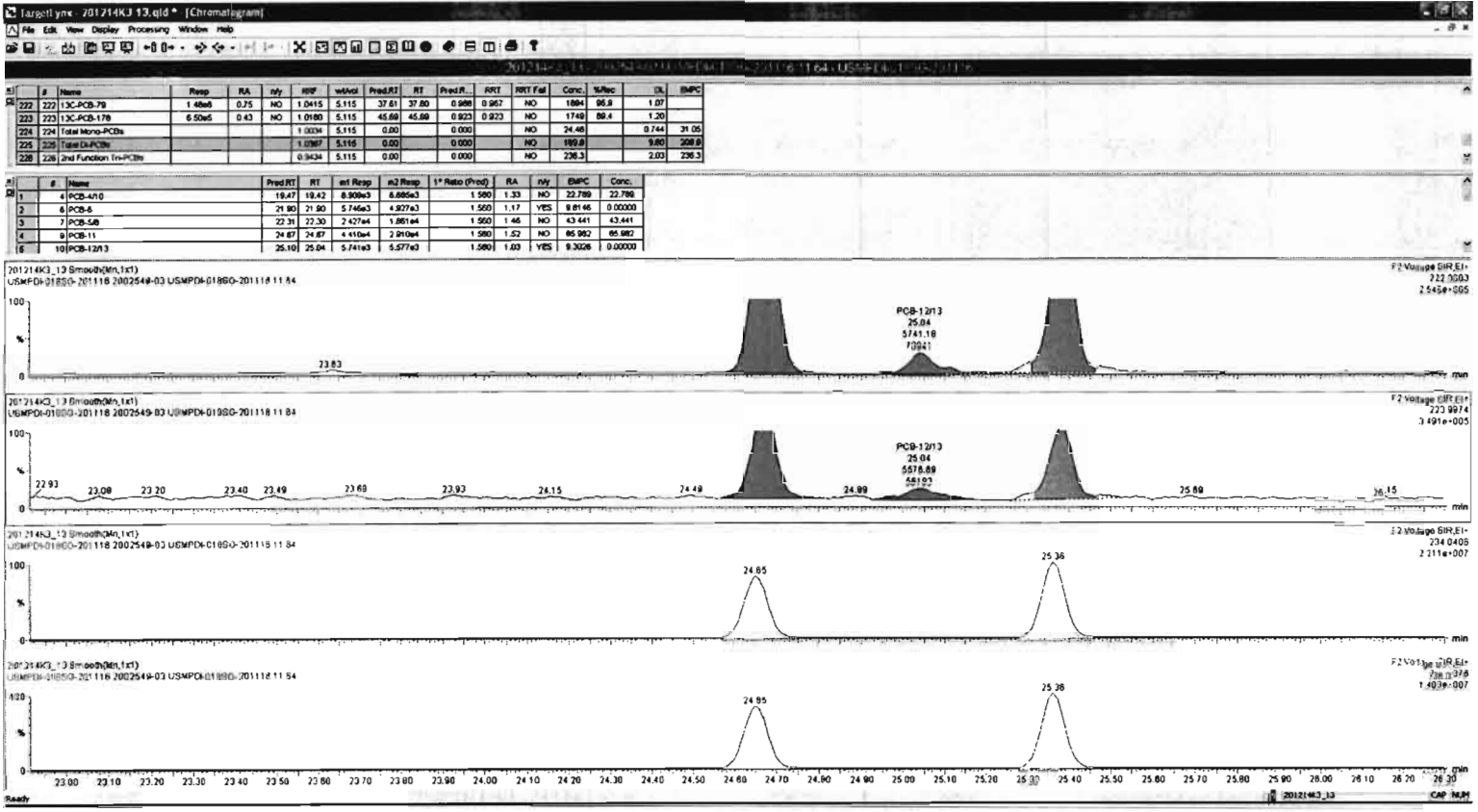
### 13C-PCB-4



### PFK2a





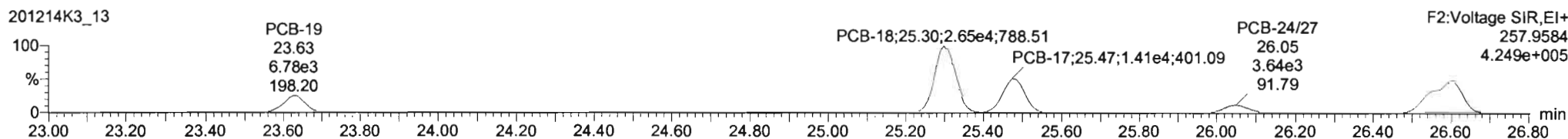
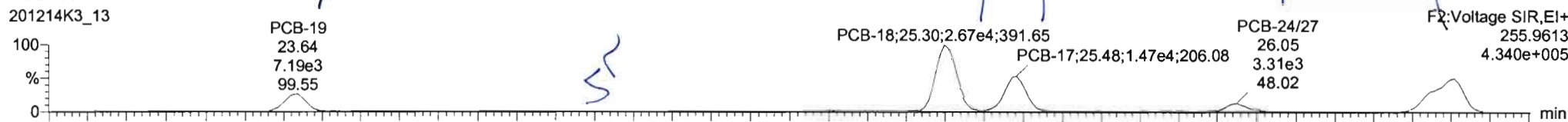


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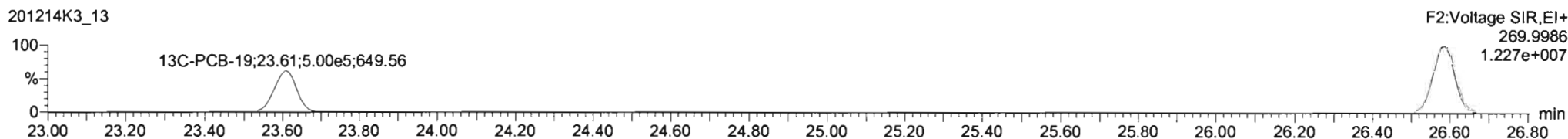
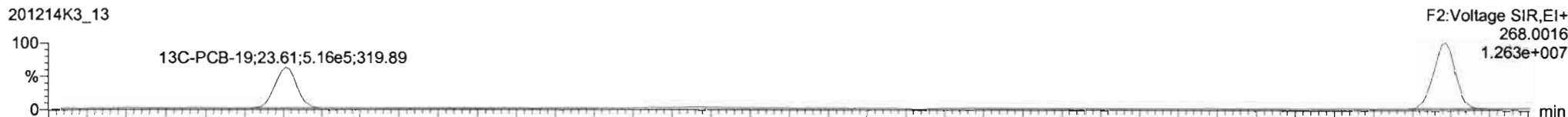
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Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

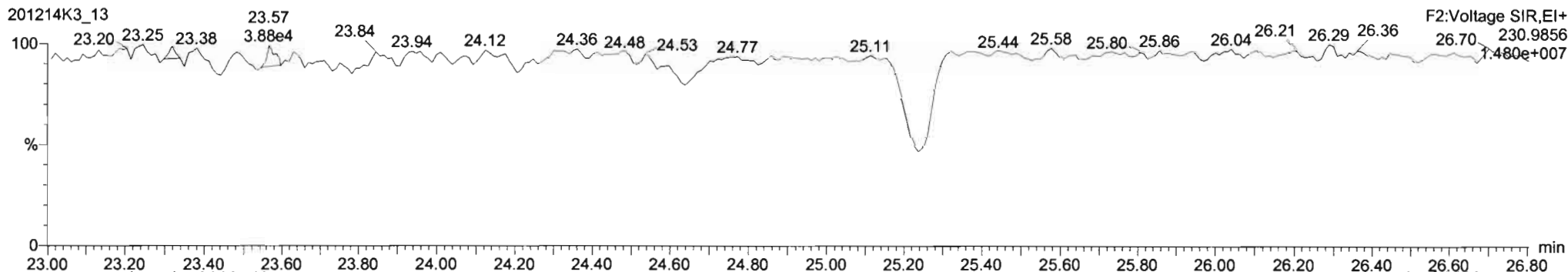
**PCB-19**



**13C-PCB-19**

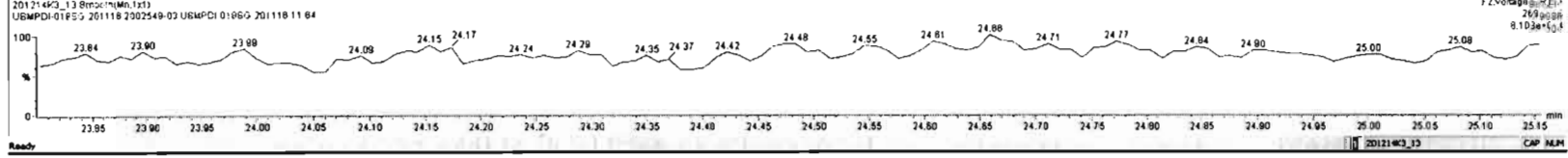
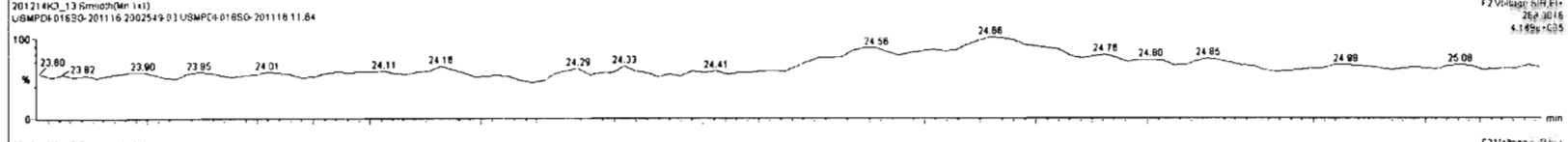
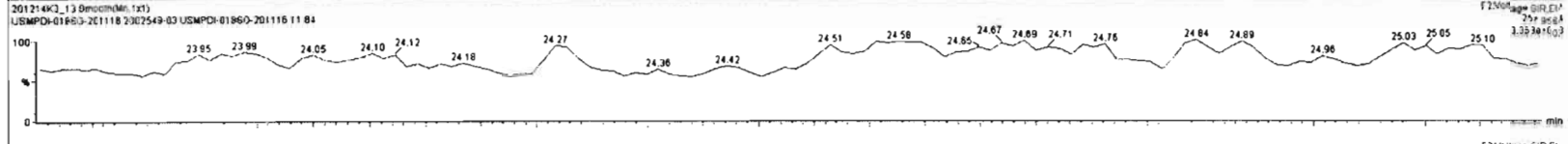
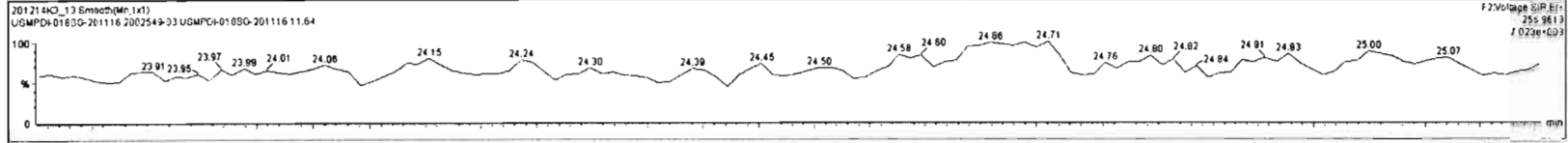


**PFK2b**



#	Name	Resp	RA	rvy	RFV	wt/ded	Pred RT	RT	Pred R	RTT	RTT Fall	Conc.	R/Rac	Dc	EMPC
222	13C-PCB-79	1.48e5	0.75	NO	1.0415	5.115	37.81	37.80	0.3961	0.967	NO	1894	98.8	1.01	
223	13C-PCB-178	6.50e5	0.43	NO	1.0180	5.115	45.68	45.89	0.0223	0.923	NO	1749	99.4	1.30	
224	Total Mono-PCBs				1.0004	5.115	0.00	0.000			NO	24.44		0.744	21.05
225	Total Di-PCBs				1.0267	5.115	0.00	0.000			NO	186.8		9.80	208.9
226	Total Tri-PCBs				0.9434	5.115	0.00	0.000			NO	226.3		2.03	226.3

#	Name	Pred RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	rvy	EMPC	Conc.
1	12 PCB-19	23.64	23.64	7.189e3	6.778e3	1.040	1.06	NO	27.650	27.650
2	14 PCB-18	25.31	25.30	7.869e4	7.648e4	1.040	1.01	NO	88.445	88.445
3	15 PCB-17	25.48	25.48	1.465e4	1.409e4	1.040	1.04	NO	51.822	51.822
4	16 PCB-24/27	26.08	26.05	3.307e3	3.036e3	1.040	0.91	NO	9.0294	8.0294
5	17 PCB-16/22	26.81	26.81	2.035e4	1.942e4	1.040	1.06	NO	58.407	58.407

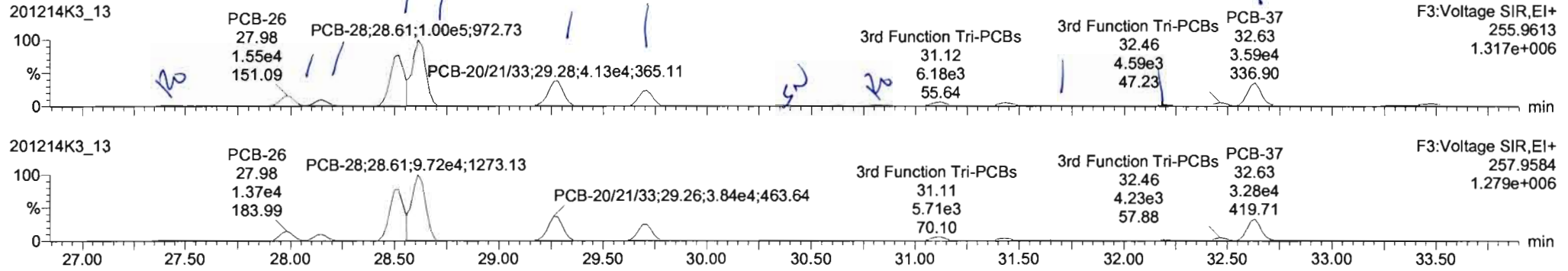


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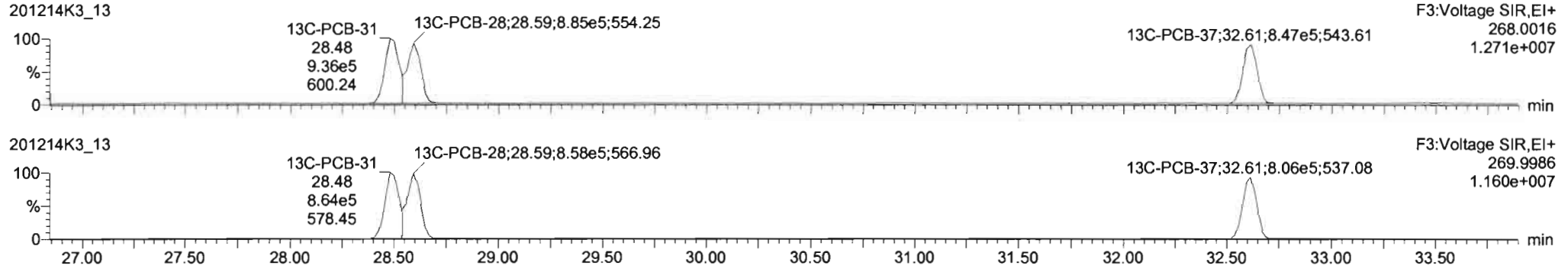
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Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

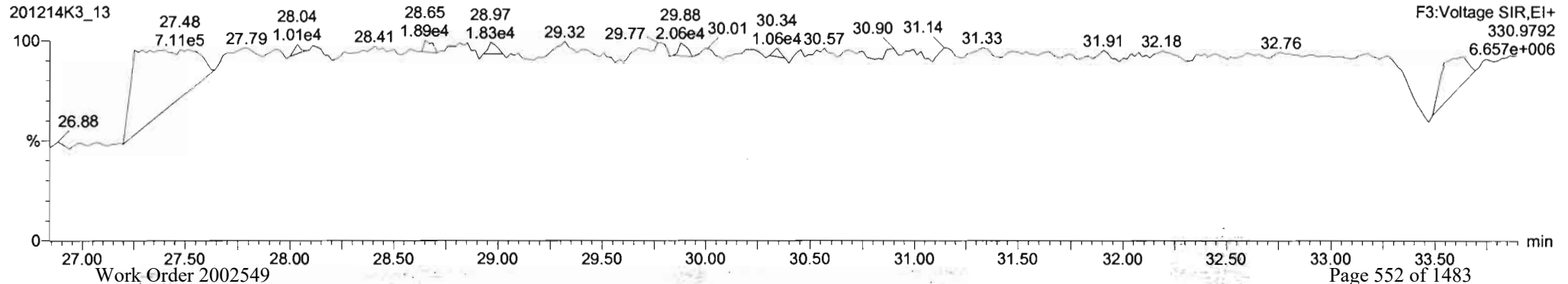
**PCB-34**



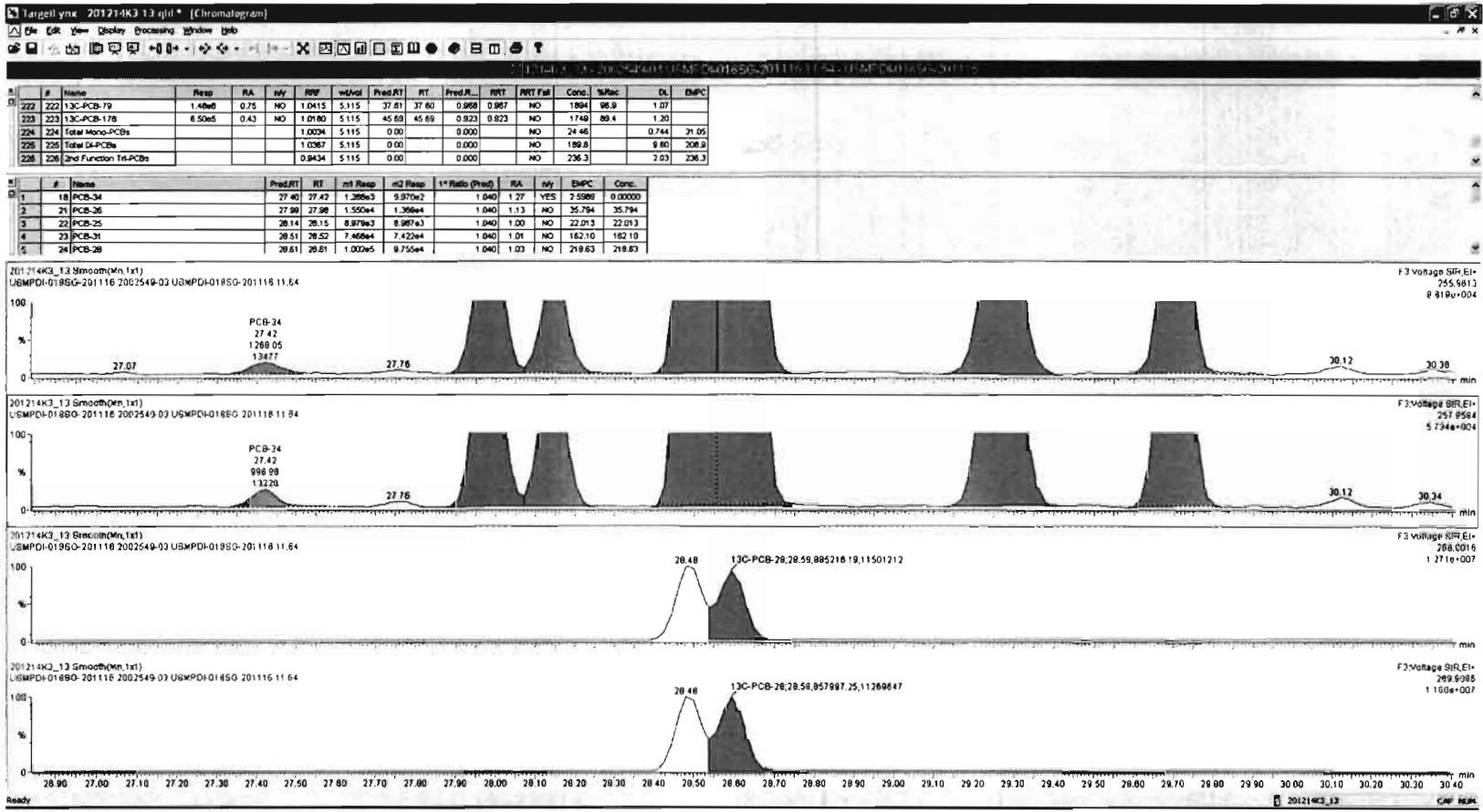
**13C-PCB-28**

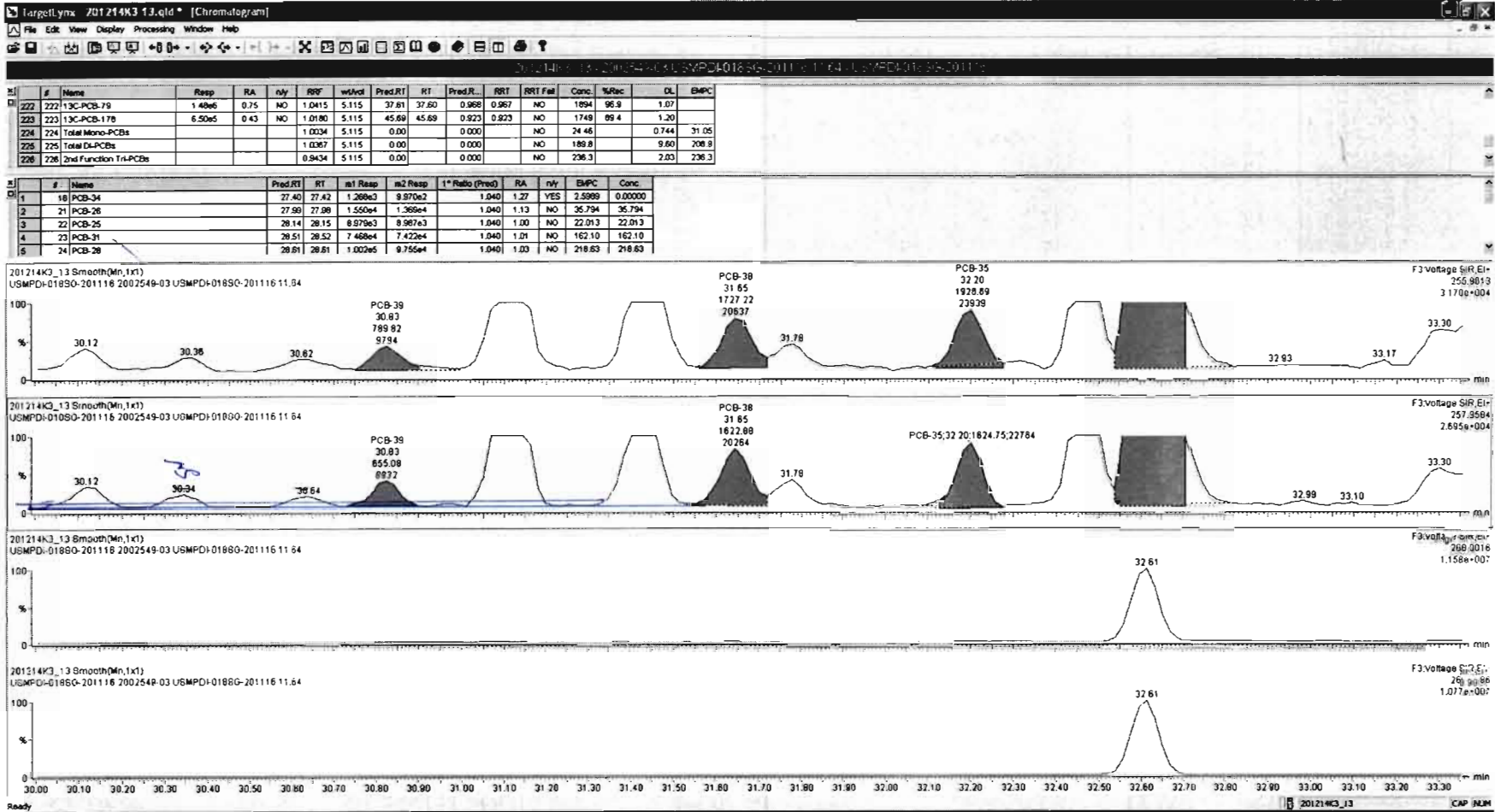


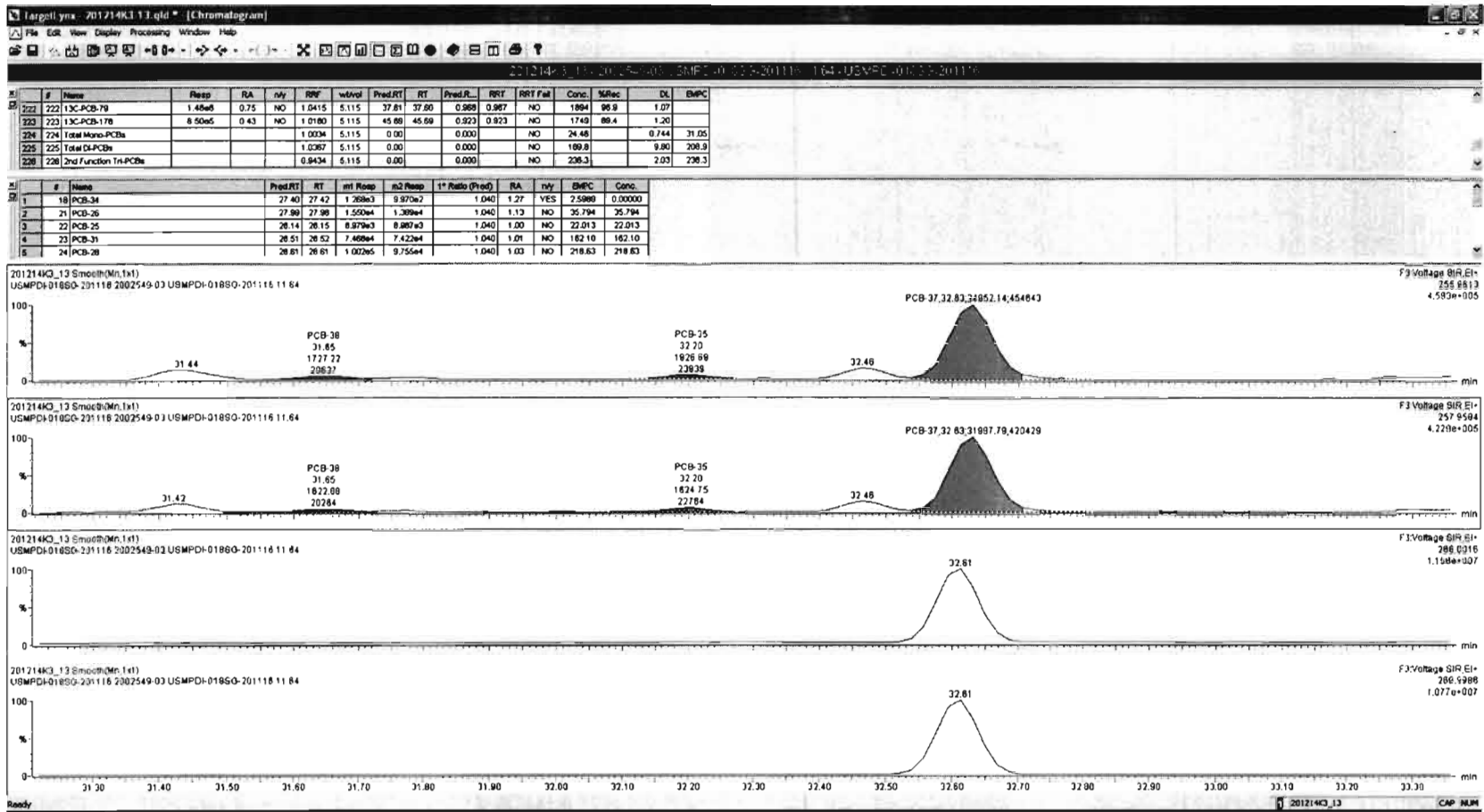
**PFK3d**









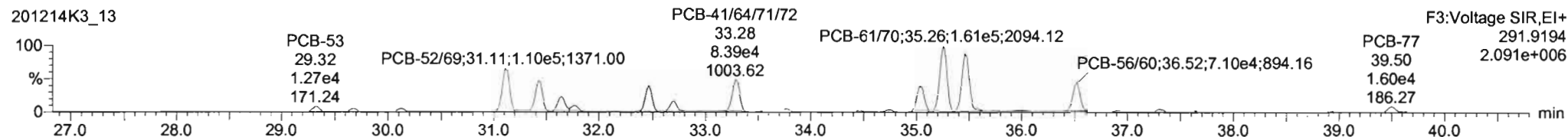
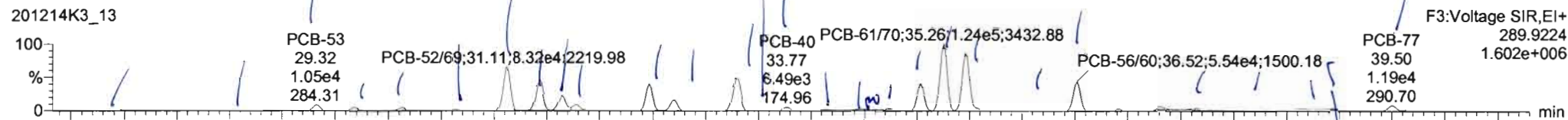


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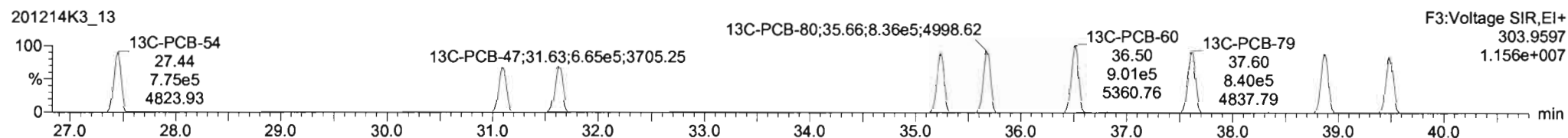
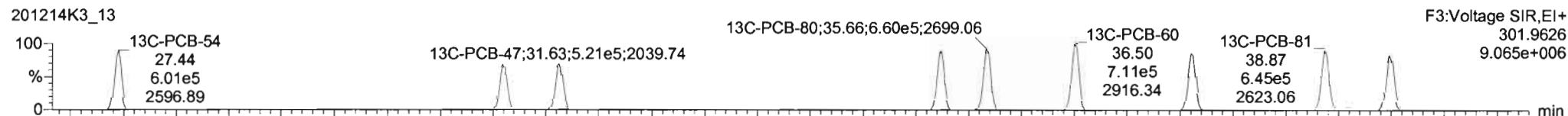
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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

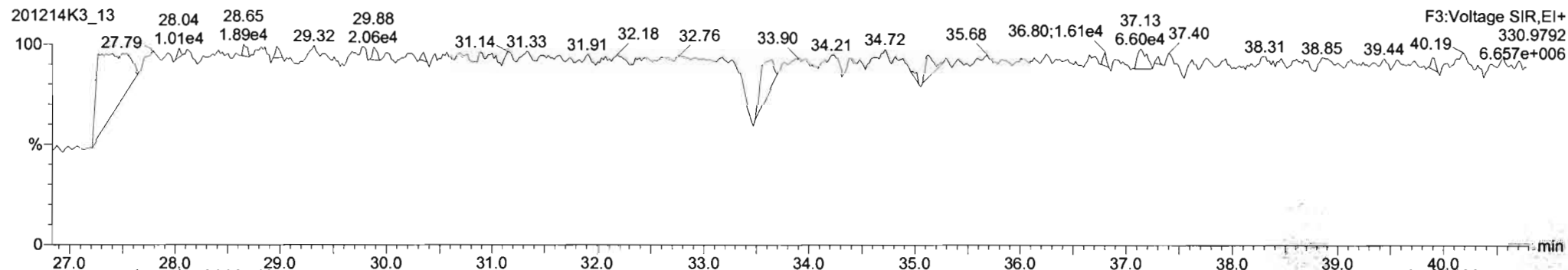
**PCB-54**



**13C-PCB-54**



**PFK3a**



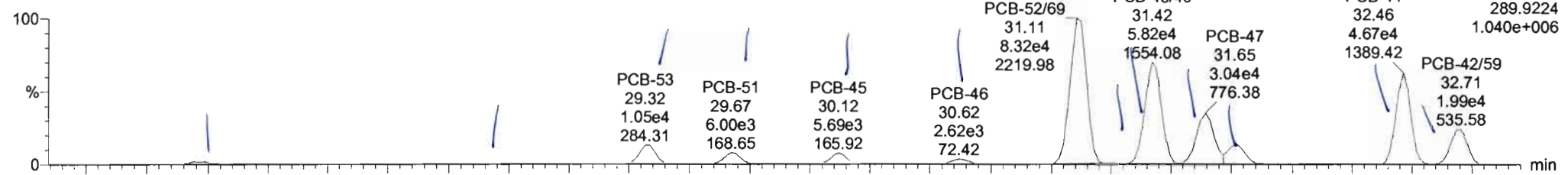
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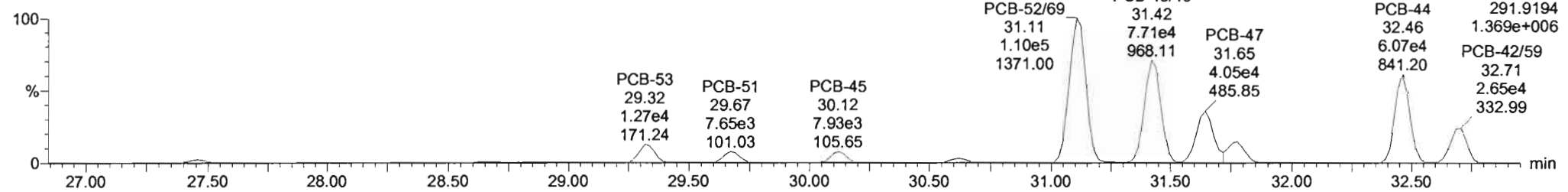
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PCB-50

201214K3\_13

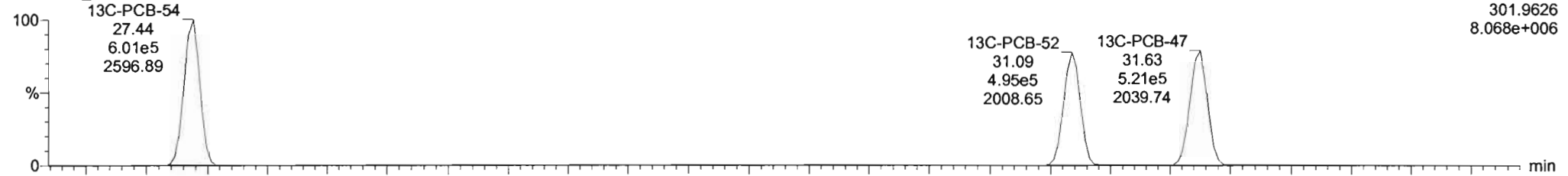


201214K3\_13

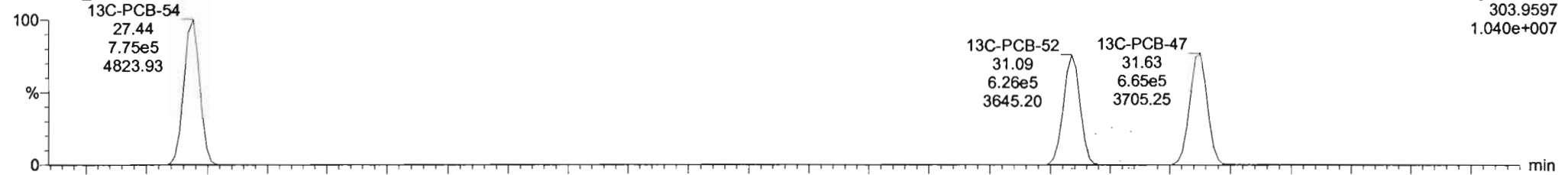


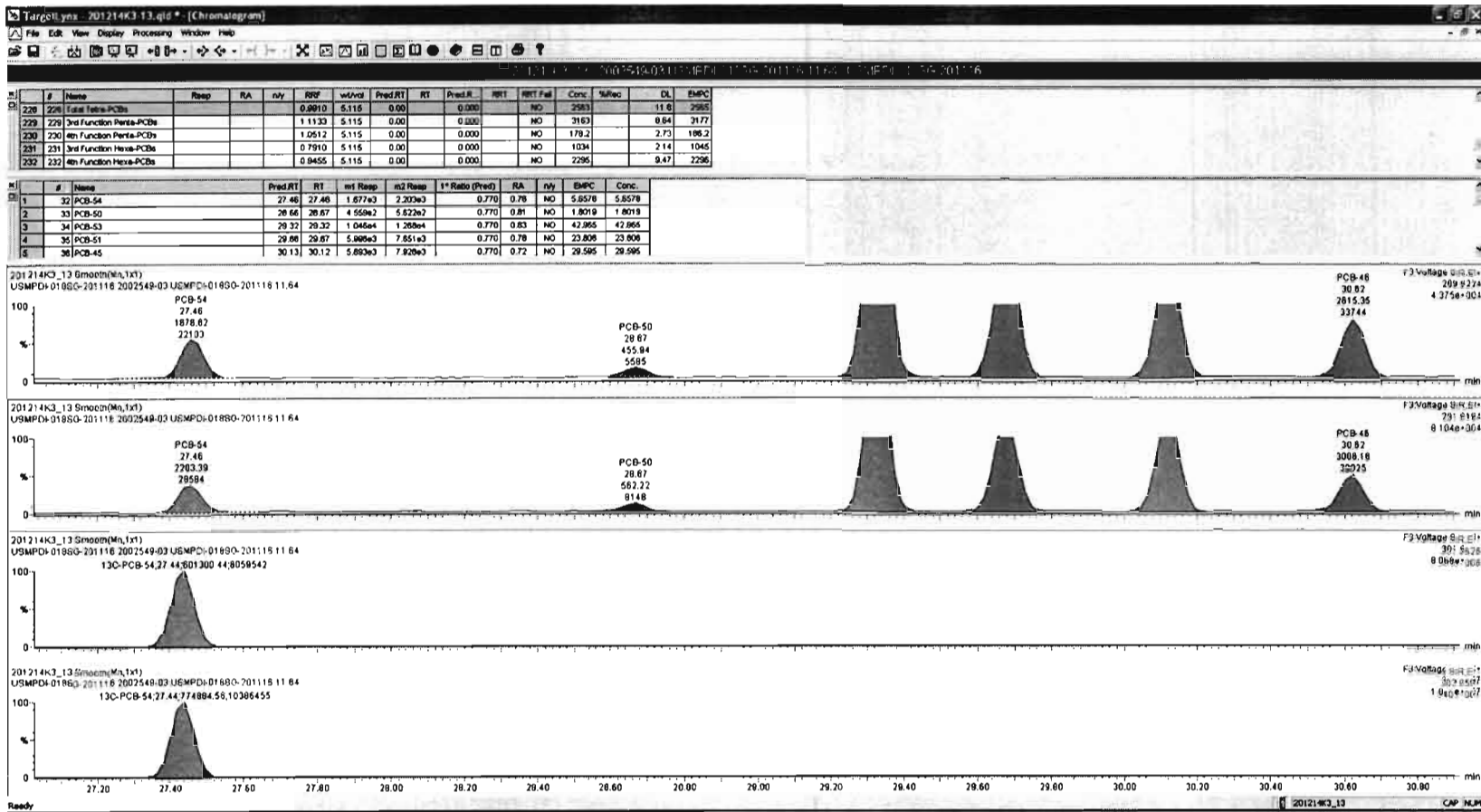
13C-PCB-52

201214K3\_13



201214K3\_13

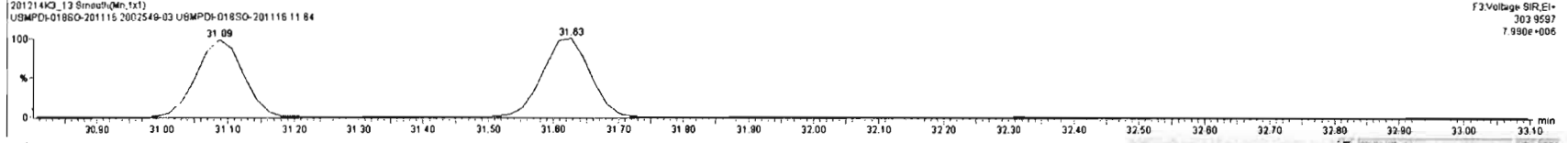
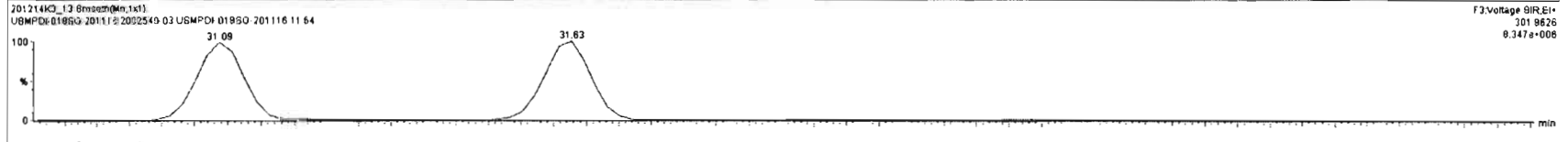
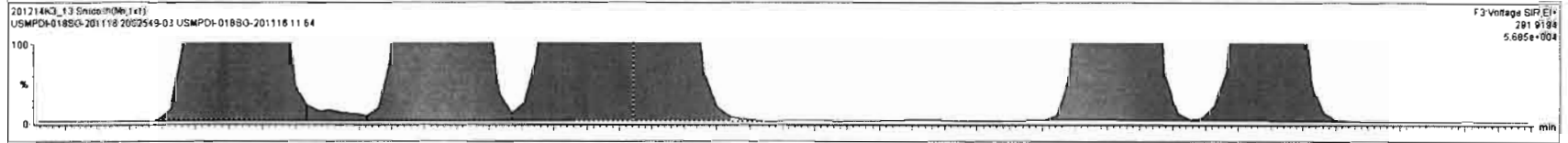
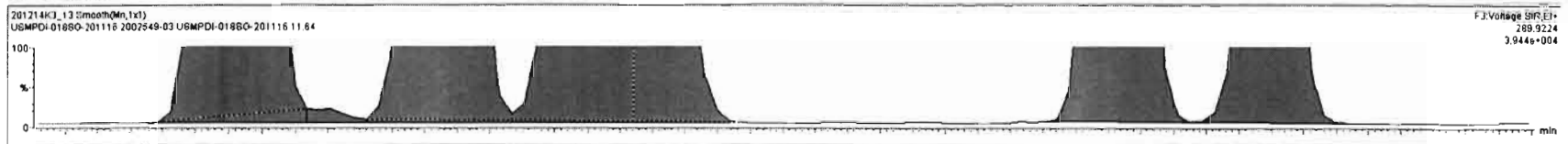




201214K3\_13\_2002549-03 USMPDI-01850-201116 11 64 USMPDI-01850-201116

#	Name	Resp	RA	n/y	RRF	wVol	Pred RT	RT	Pred R	RRT	RRT Fall	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.115	0.00		0.000			2553		11.8	2585
229	3rd Function Penta-PCBs				1.1133	5.115	0.00		0.000			3163		8.64	3177
230	4th Function Penta-PCBs				1.0512	5.115	0.00		0.000			178.2		2.73	186.2
231	3rd Function Hexa-PCBs				0.7910	5.115	0.00		0.000			1034		2.14	1045
232	4th Function Hexa-PCBs				0.8455	5.115	0.00		0.000			2295		9.47	2296

#	Name	Pred RT	RT	nt Resp	nt Conc	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.48	27.48	1.877e3	2.203e3	0.770	0.78	NO	5.6578	5.6578
2	33 PCB-50	28.86	28.87	4.559e2	5.622e2	0.770	0.81	NO	1.8019	1.8019
3	34 PCB-53	29.32	29.32	1.046e4	1.268e4	0.770	0.83	NO	42.985	42.985
4	35 PCB-51	29.68	29.67	5.895e3	7.651e3	0.770	0.78	NO	23.808	23.808
5	36 PCB-45	30.13	30.12	5.893e3	7.926e3	0.770	0.72	NO	29.595	29.595

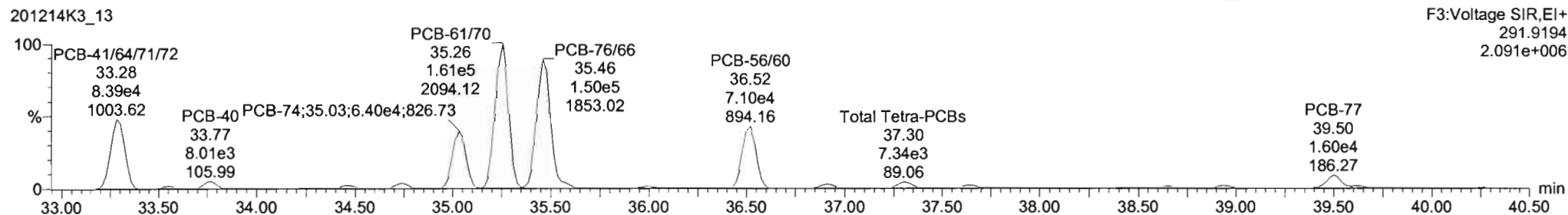
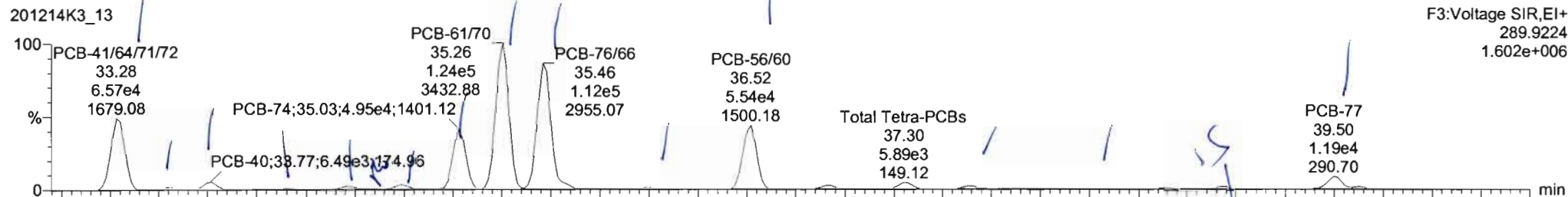


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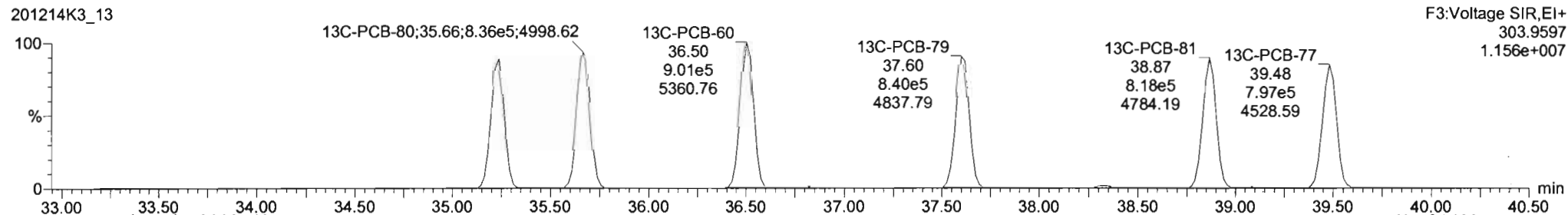
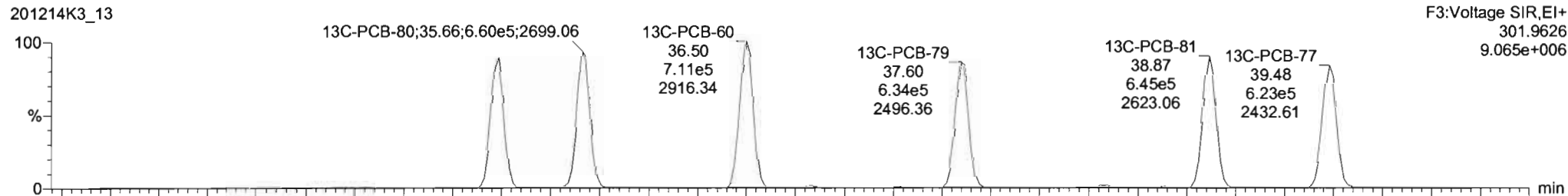
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Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

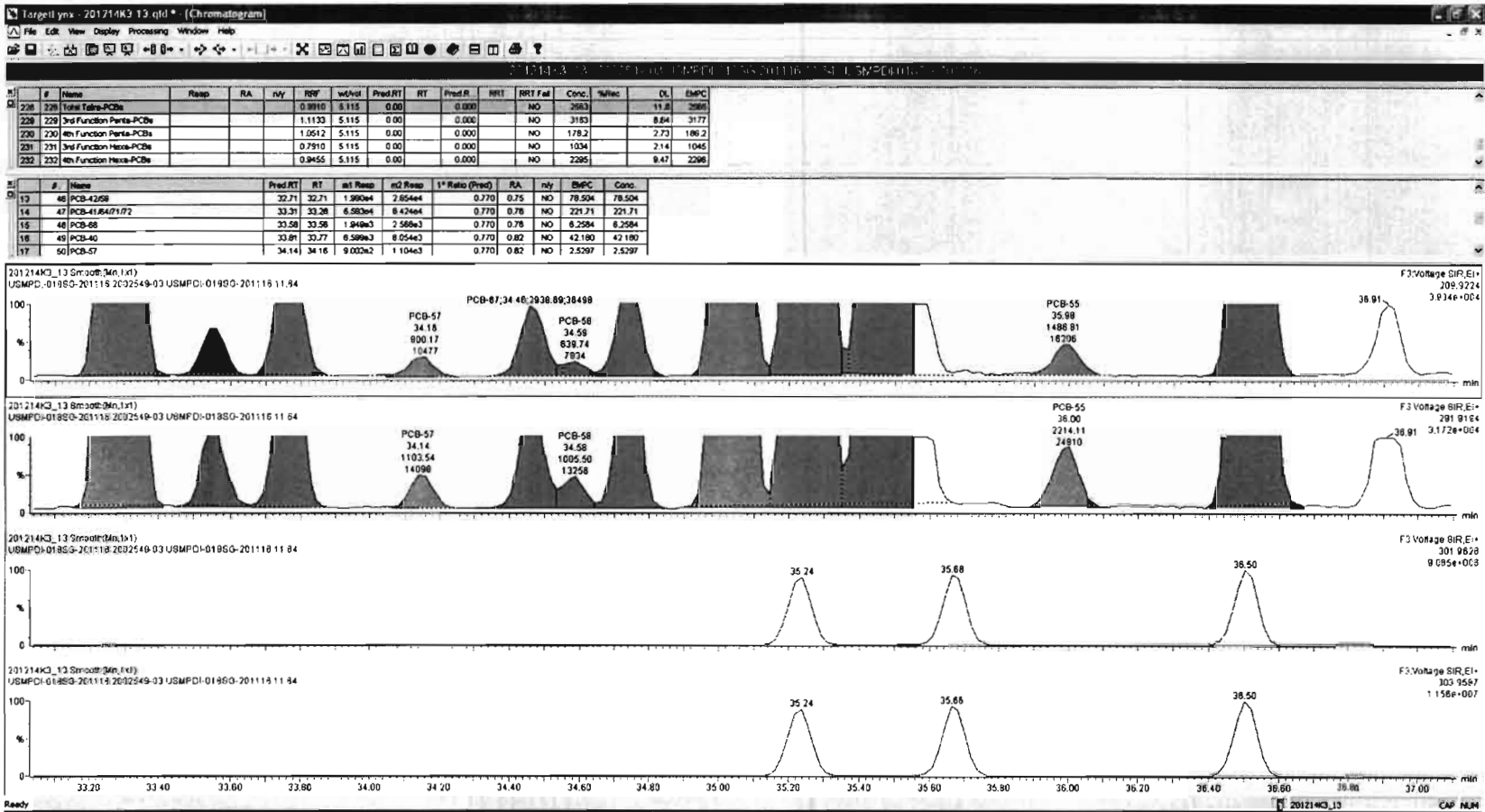
**PCB-68**



**13C-PCB-60**

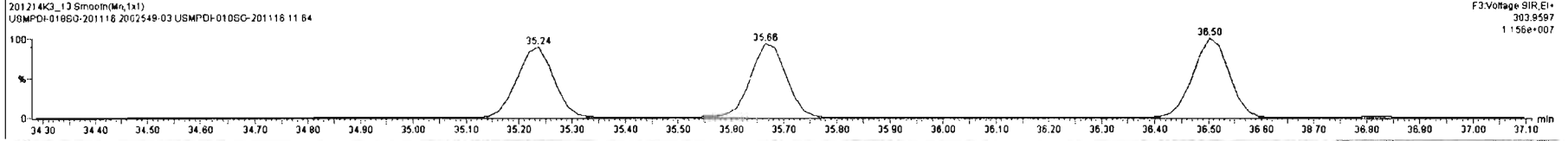
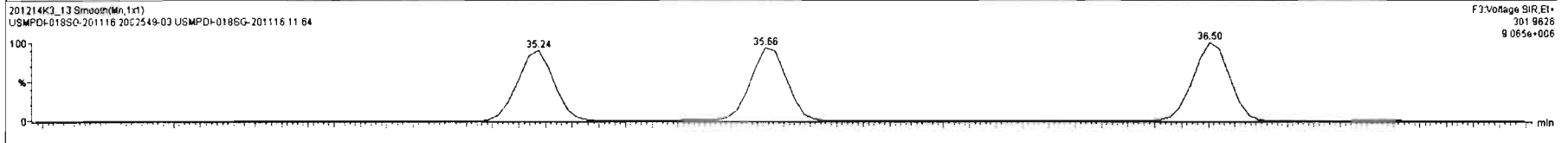
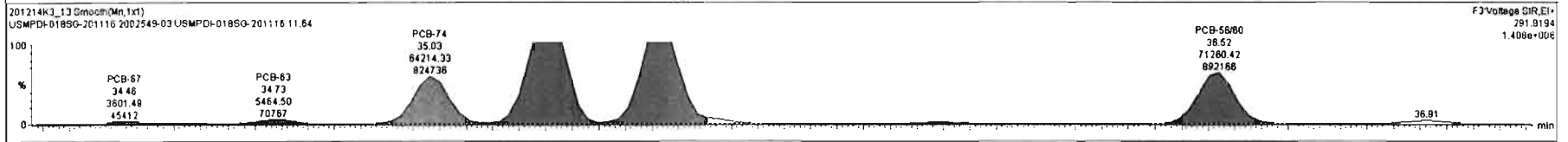
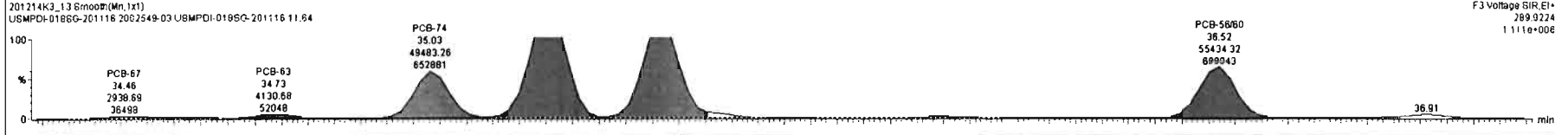


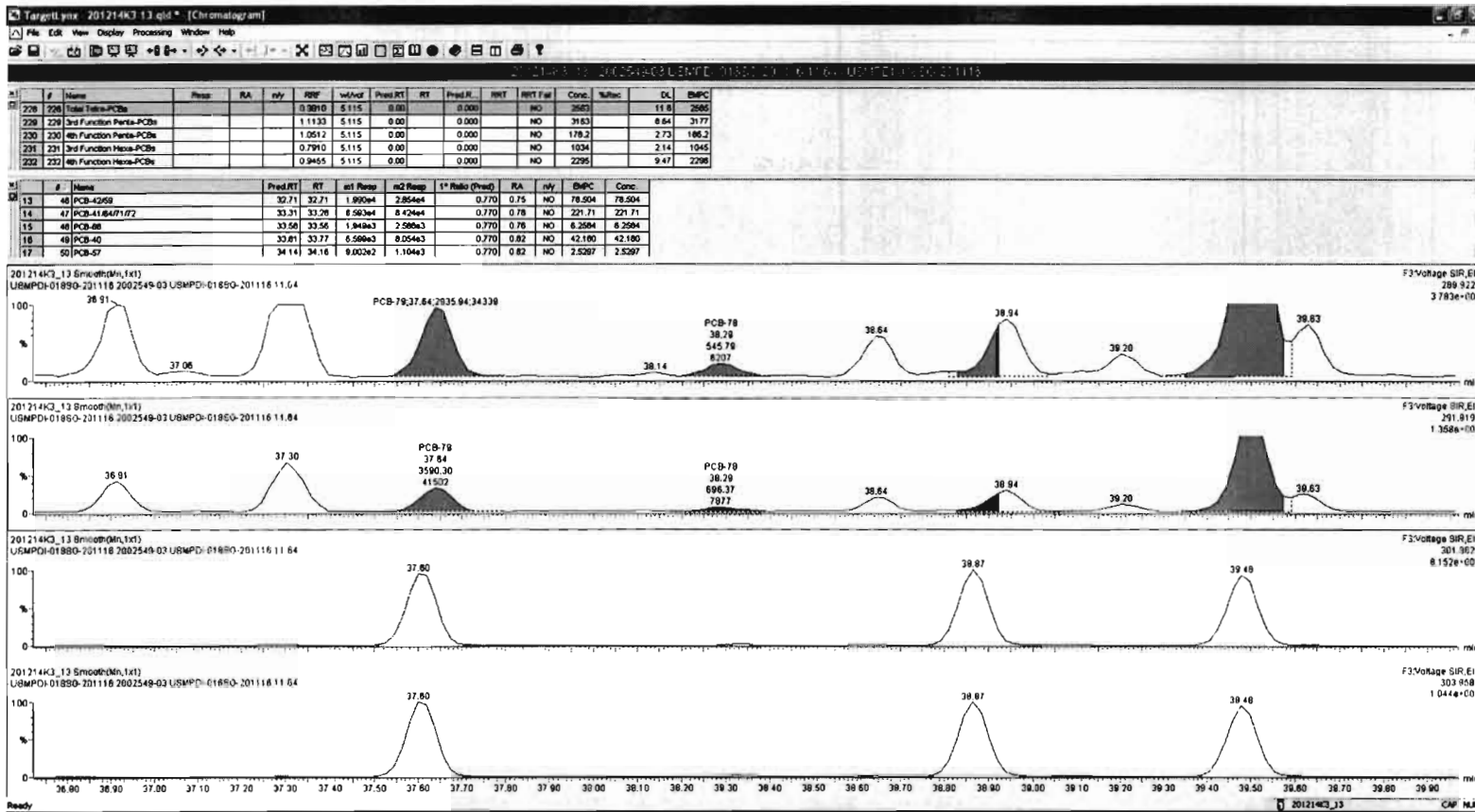


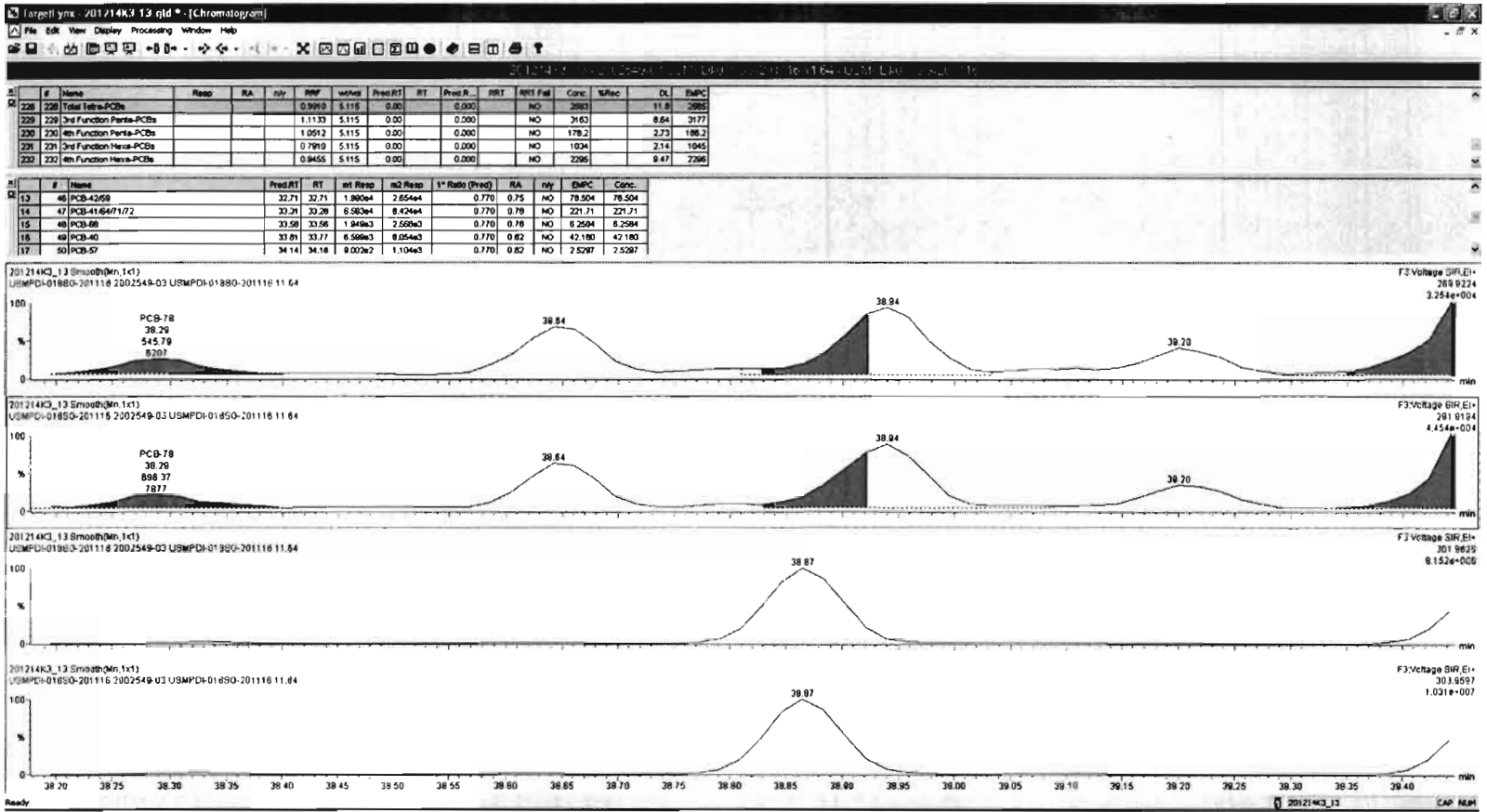


#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.115	0.00		0.000		NO	2563		11.8	2585
229	3rd Function Penta-PCBs				1.1133	5.115	0.00		0.000		NO	3163		6.64	3177
230	4th Function Penta-PCBs				1.0512	5.115	0.00		0.000		NO	178.2		2.73	186.2
231	3rd Function Hexa-PCBs				0.7910	5.115	0.00		0.000		NO	1034		2.14	1045
232	4th Function Hexa-PCBs				0.9455	5.115	0.00		0.000		NO	2295		9.47	2296

#	Name	Pred.RT	RT	Int Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
13	46 PCB-4258	32.71	32.71	1.990e4	2.854e4	0.770	0.75	NO	78.504	78.504
14	47 PCB-4184/71/72	33.31	33.28	6.593e4	6.424e4	0.770	0.78	NO	221.71	221.71
15	48 PCB-68	33.58	33.58	1.949e3	2.569e3	0.770	0.76	NO	6.2584	6.2584
16	49 PCB-40	33.81	33.77	6.599e3	8.054e3	0.770	0.82	NO	42.180	42.180
17	50 PCB-57	34.14	34.16	9.002e2	1.104e3	0.770	0.82	NO	2.5287	2.5297







Dataset: Untitled

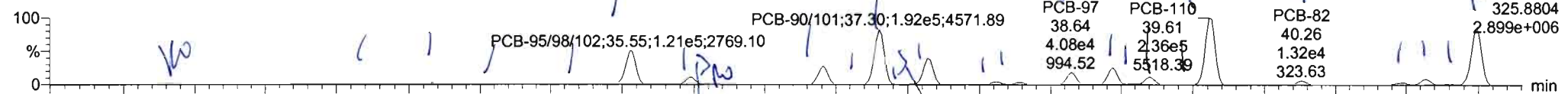
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Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

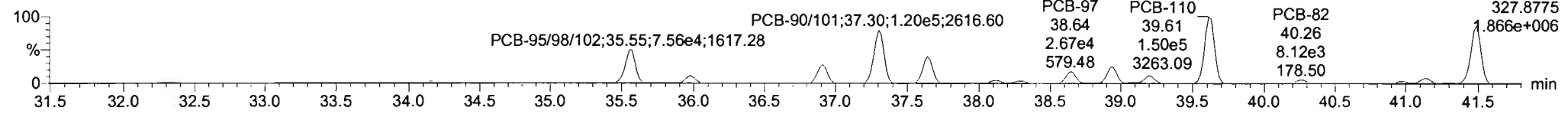
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**PCB-104**

201214K3\_13

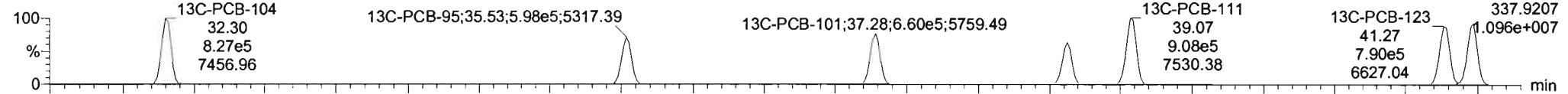


201214K3\_13

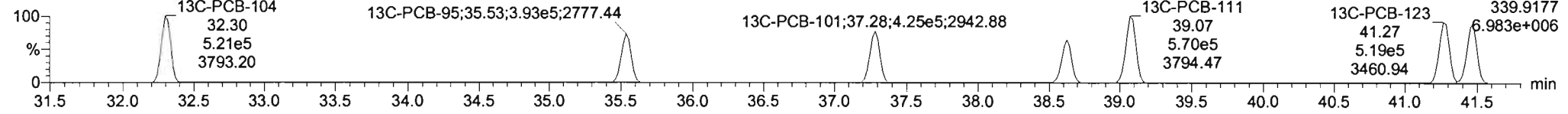


**13C-PCB-104**

201214K3\_13

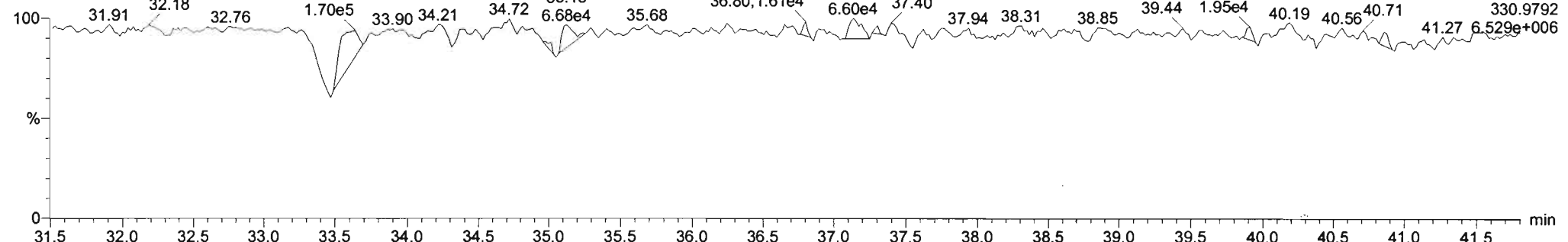


201214K3\_13



**PFK3b**

201214K3\_13



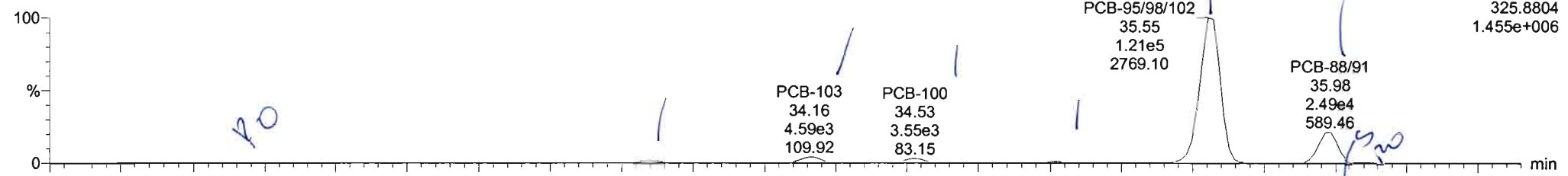
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

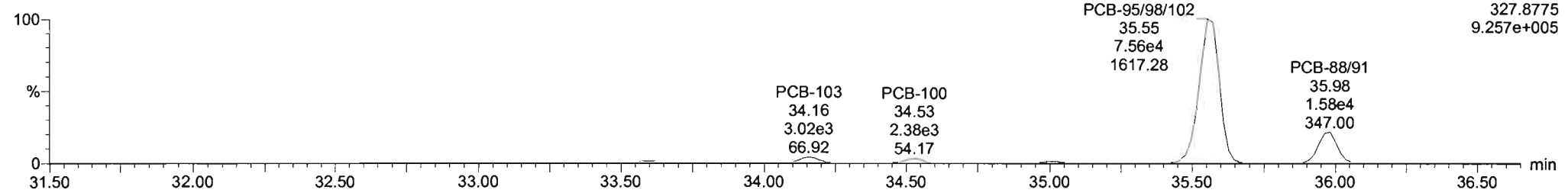
Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

**PCB-96**

201214K3\_13

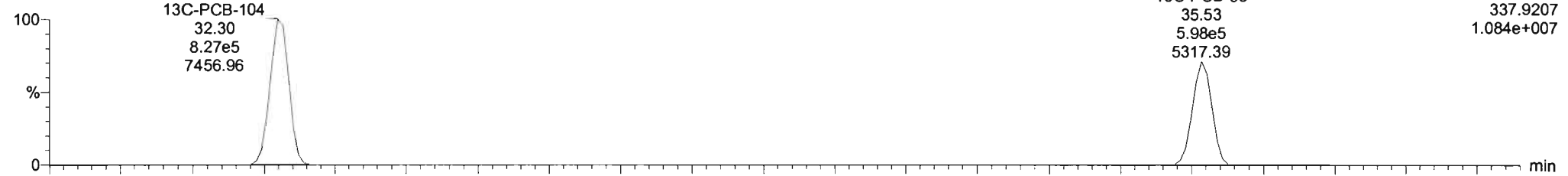


201214K3\_13

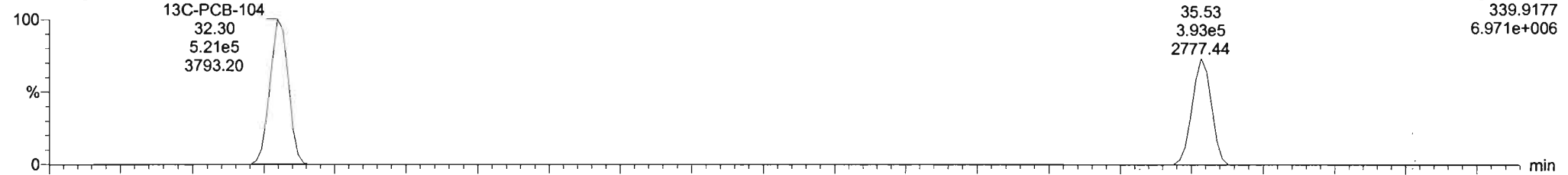


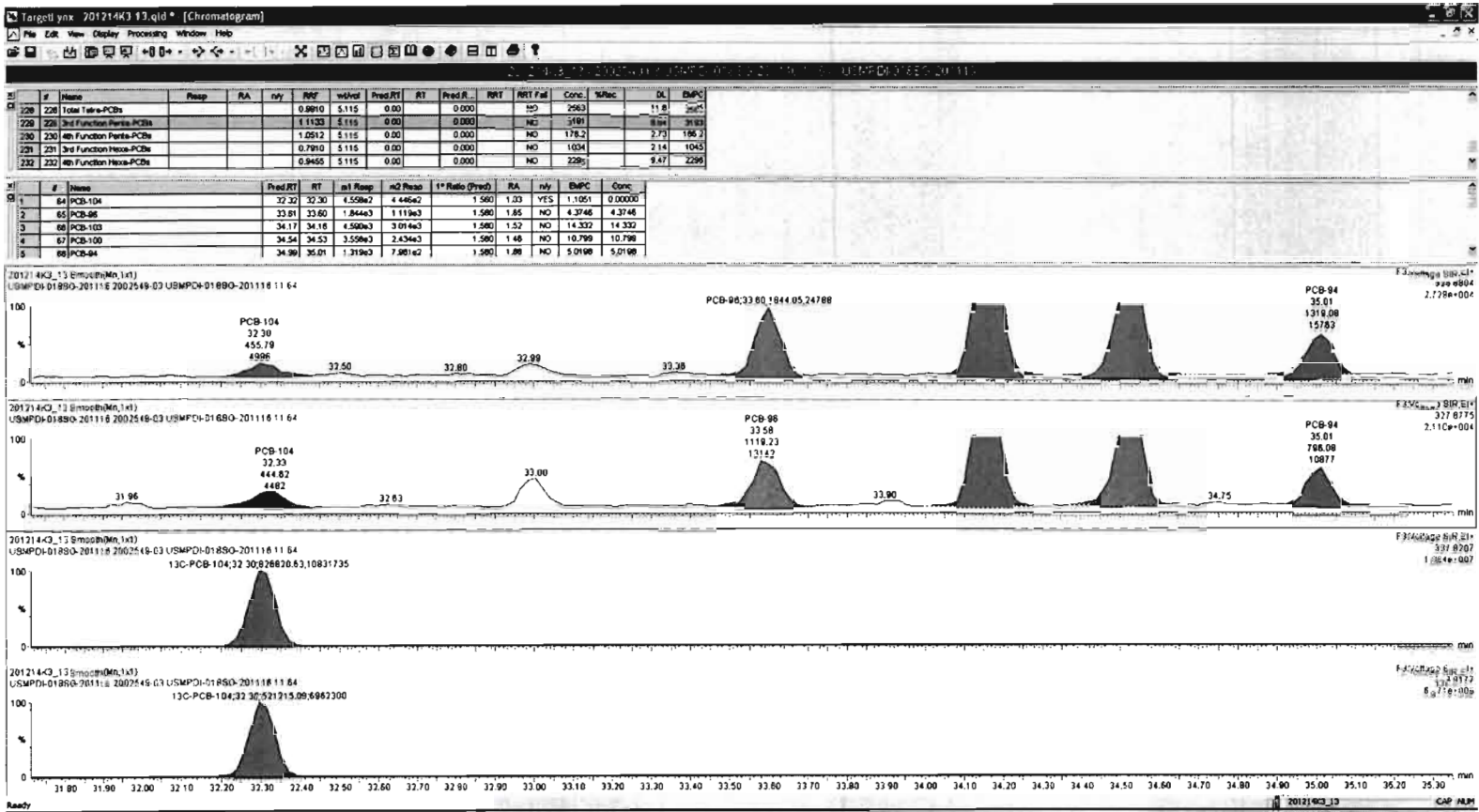
**13C-PCB-95**

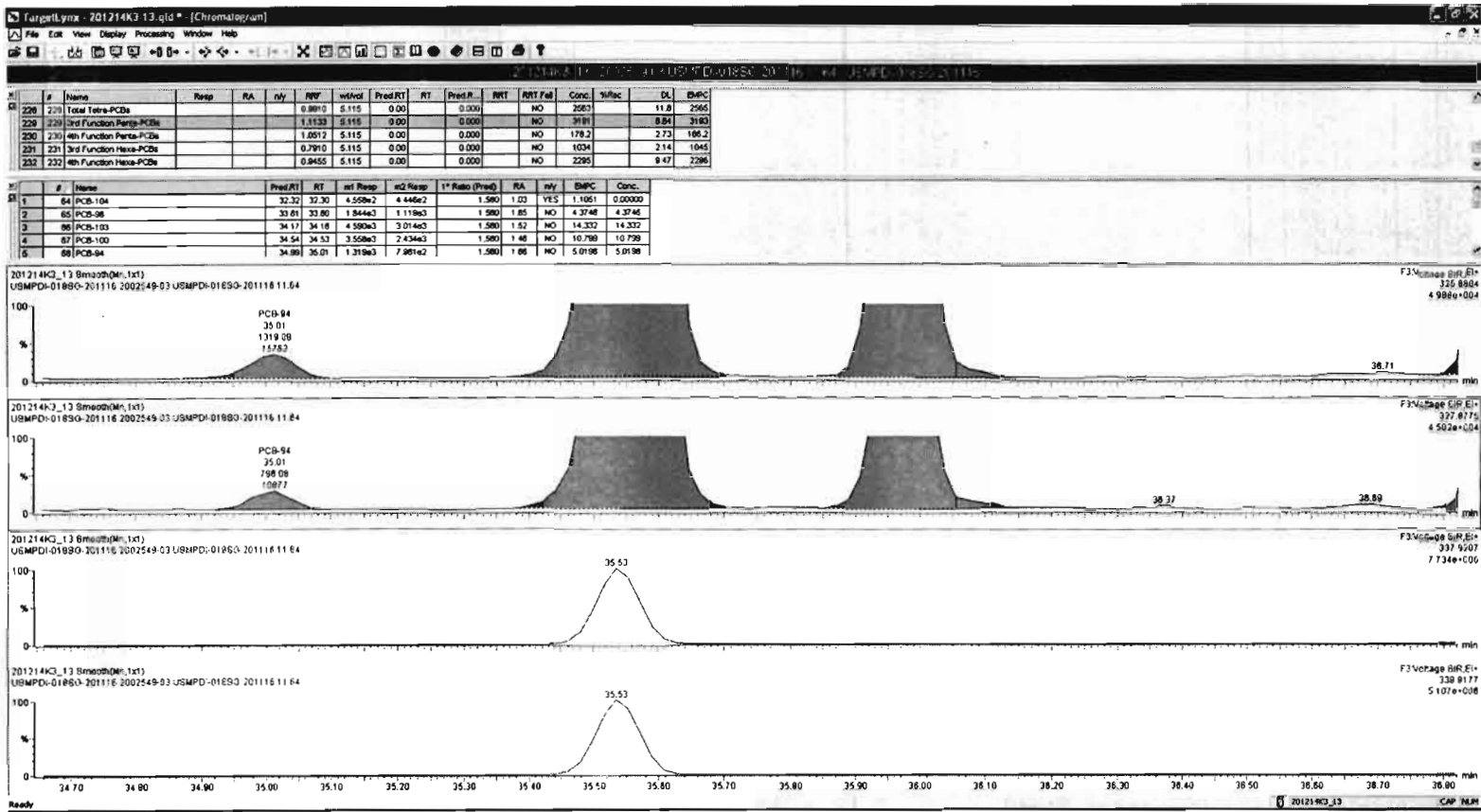
201214K3\_13



201214K3\_13









Dataset: Untitled

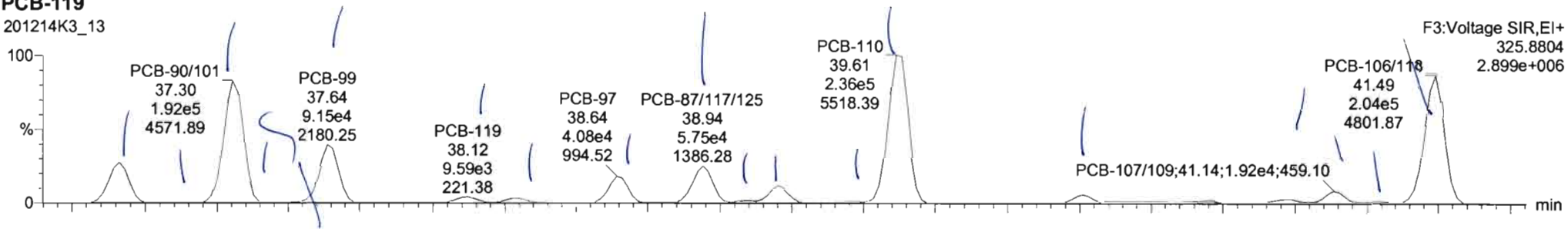
Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time

Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

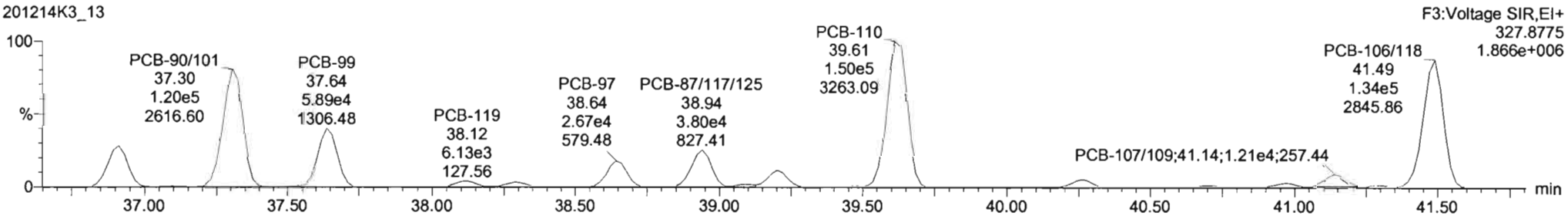
Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

**PCB-119**

201214K3\_13

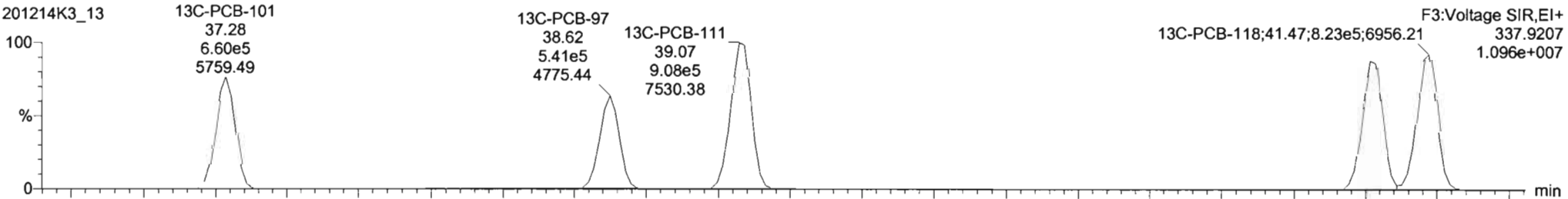


201214K3\_13

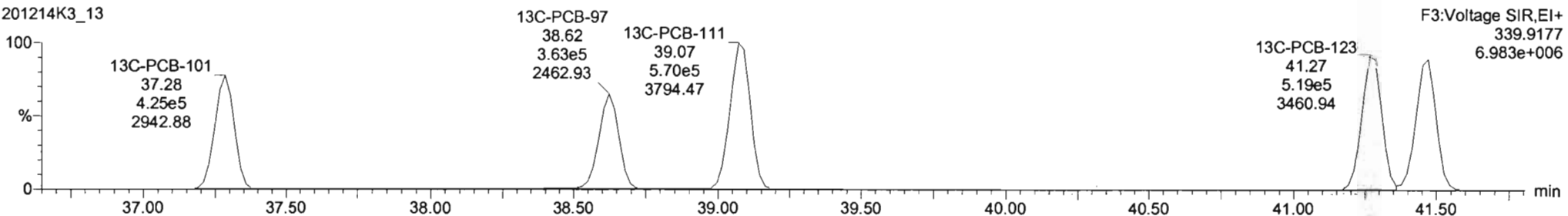


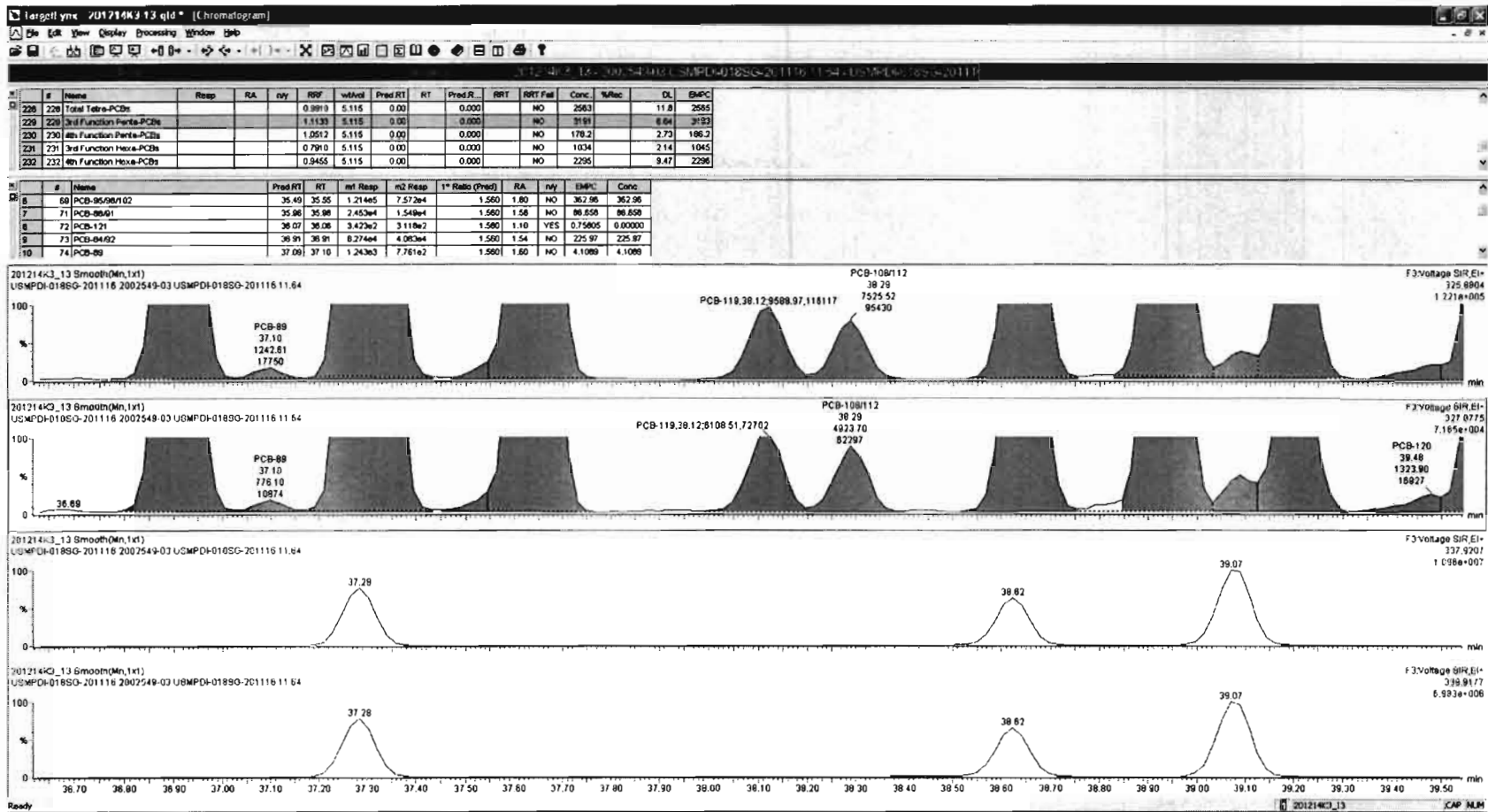
**13C-PCB-111**

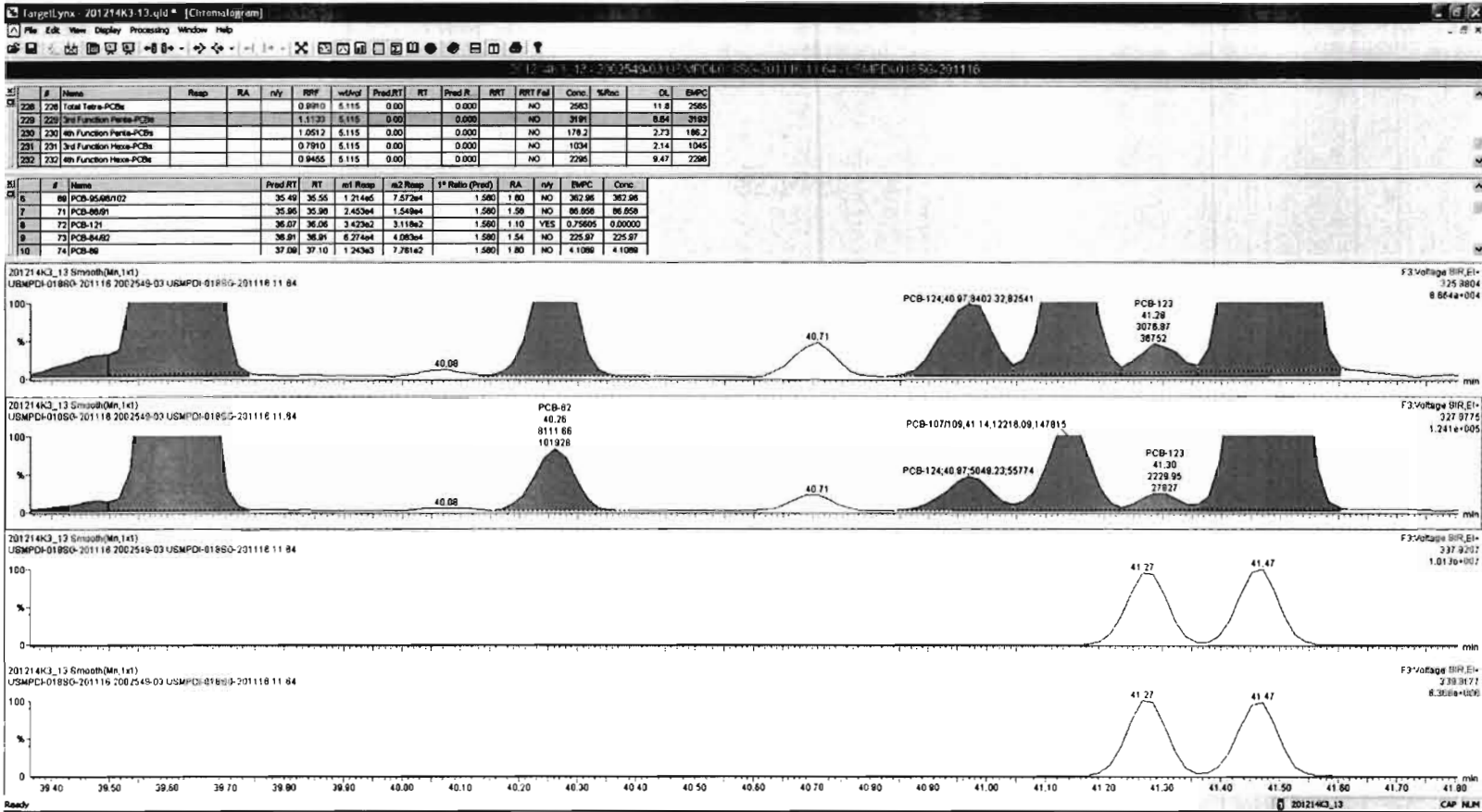
201214K3\_13



201214K3\_13





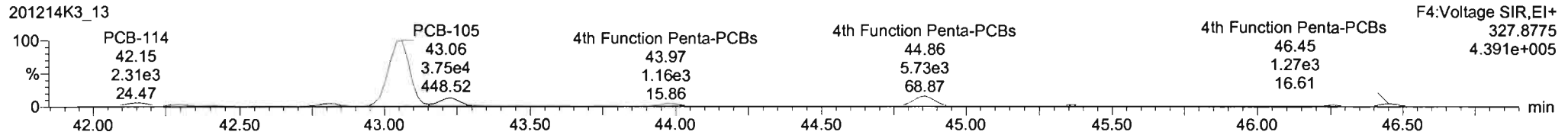
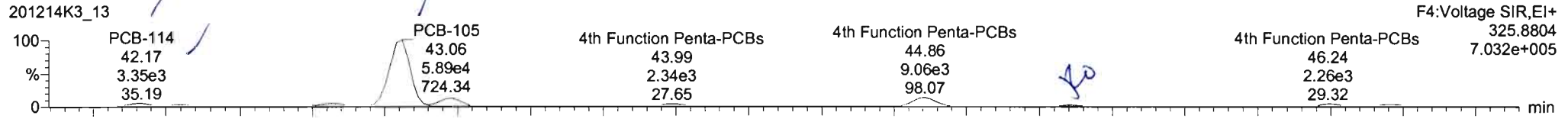


Dataset: Untitled

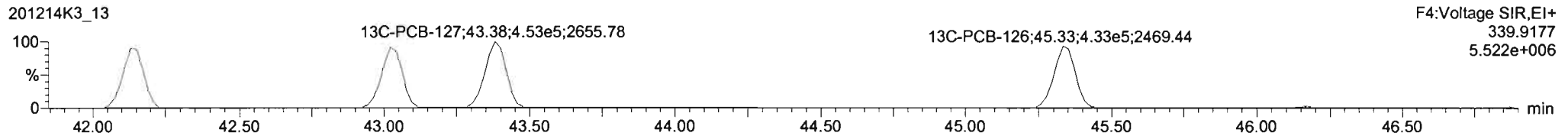
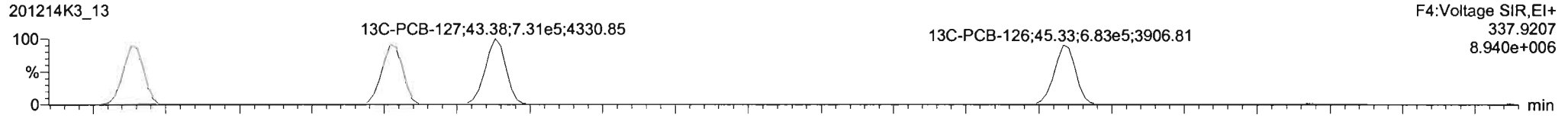
Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

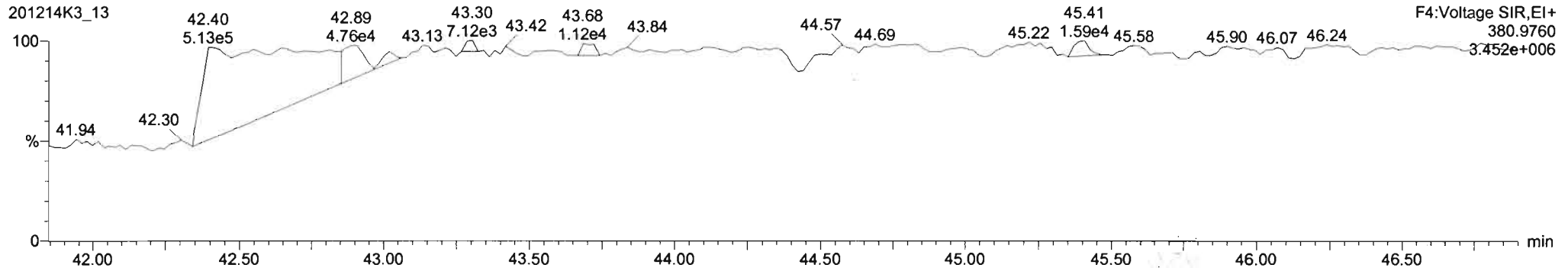
**PCB-114**

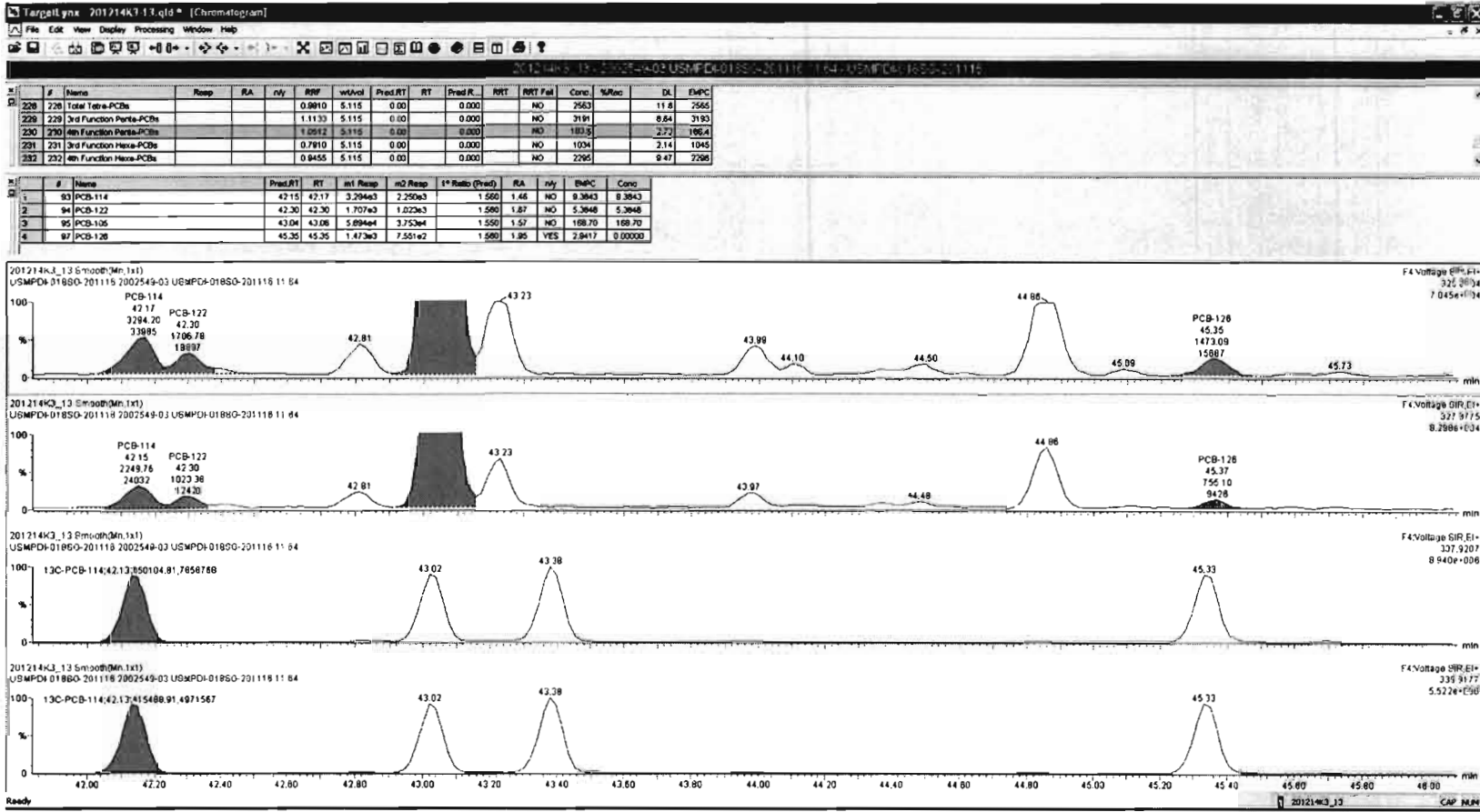


**13C-PCB-114**



**PFK4a**





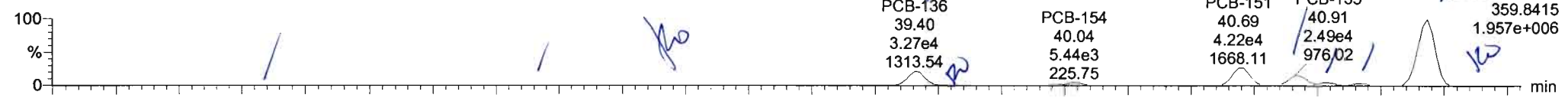
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

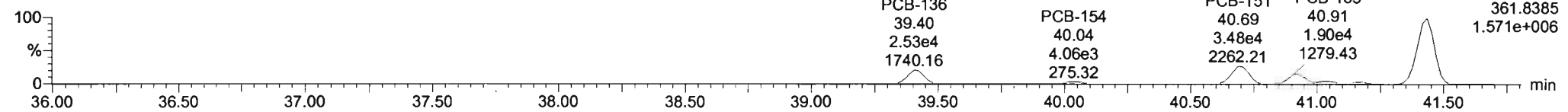
Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

**PCB-155**

201214K3\_13

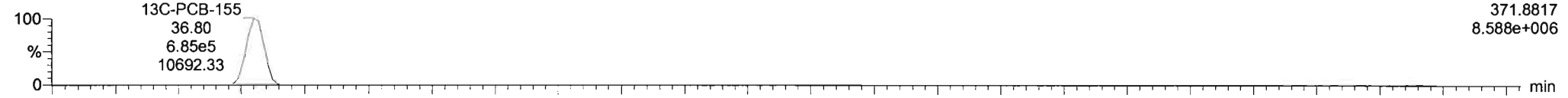


201214K3\_13

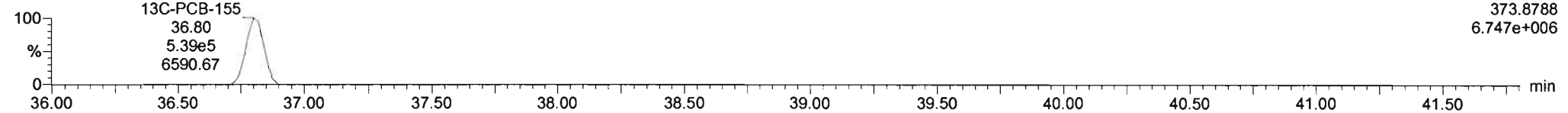


**13C-PCB-155**

201214K3\_13

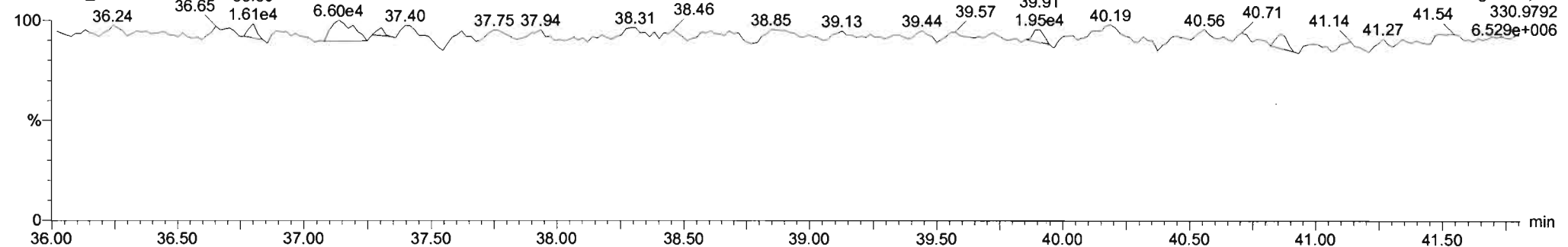


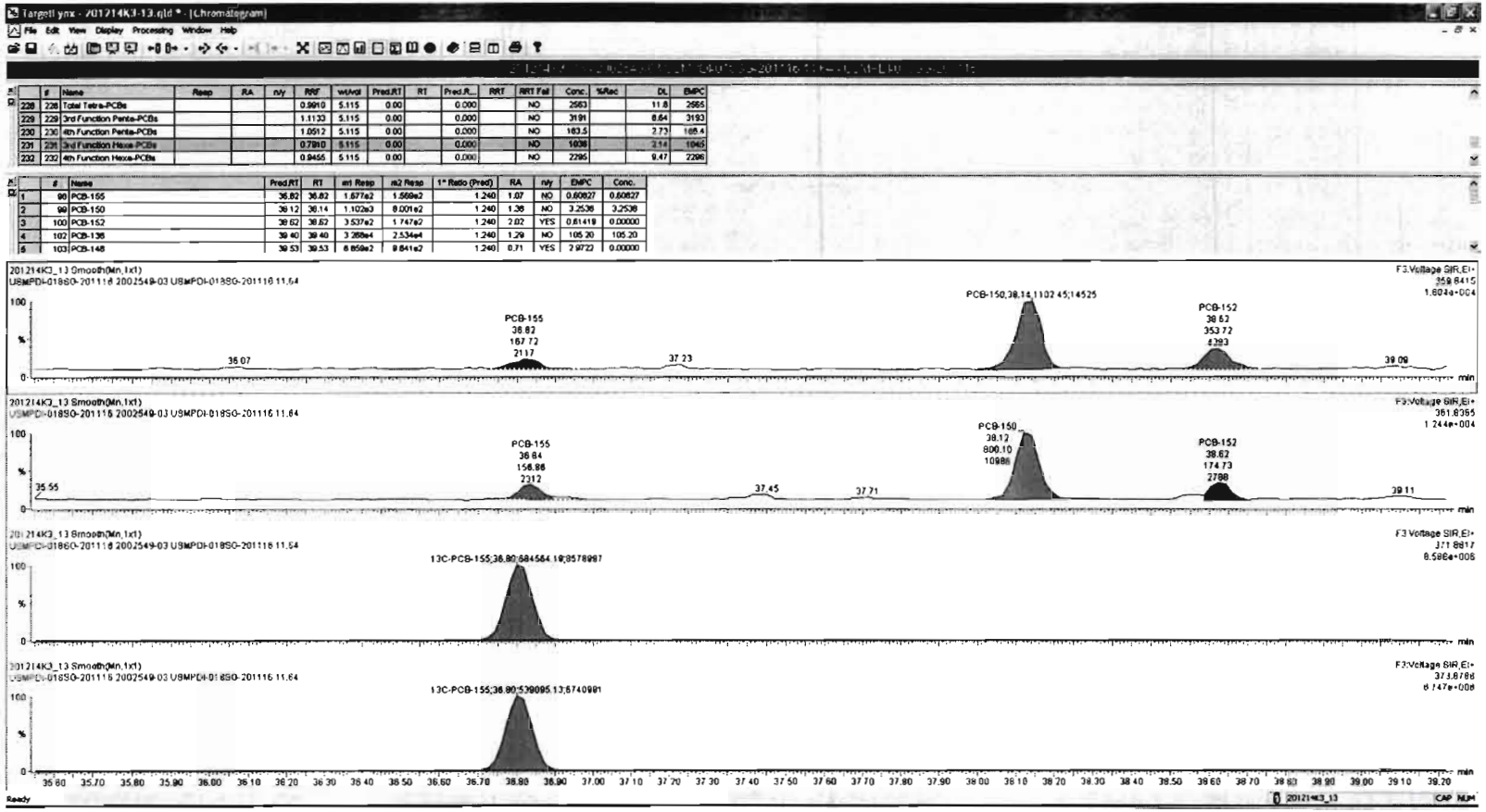
201214K3\_13

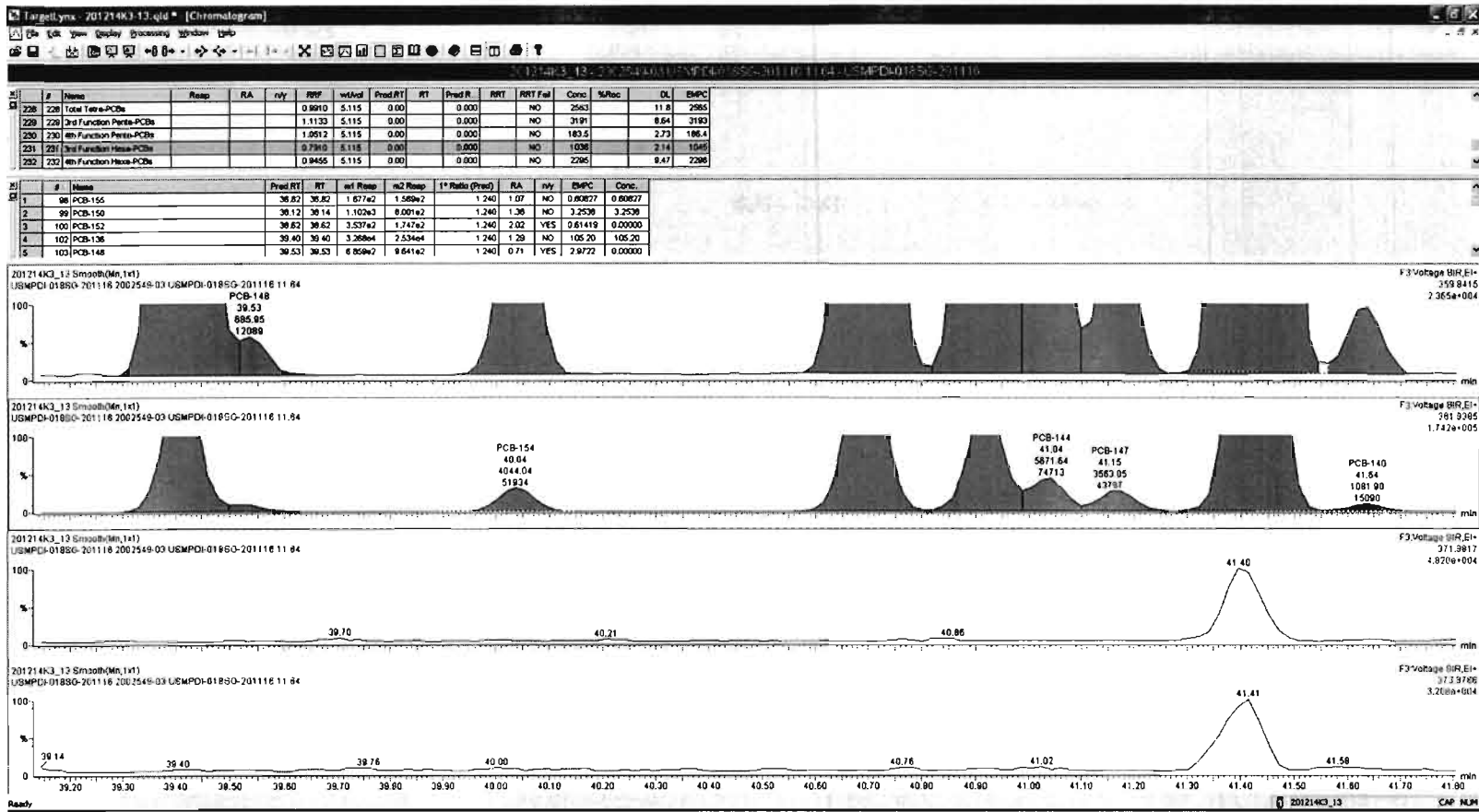


**PFK3c**

201214K3\_13





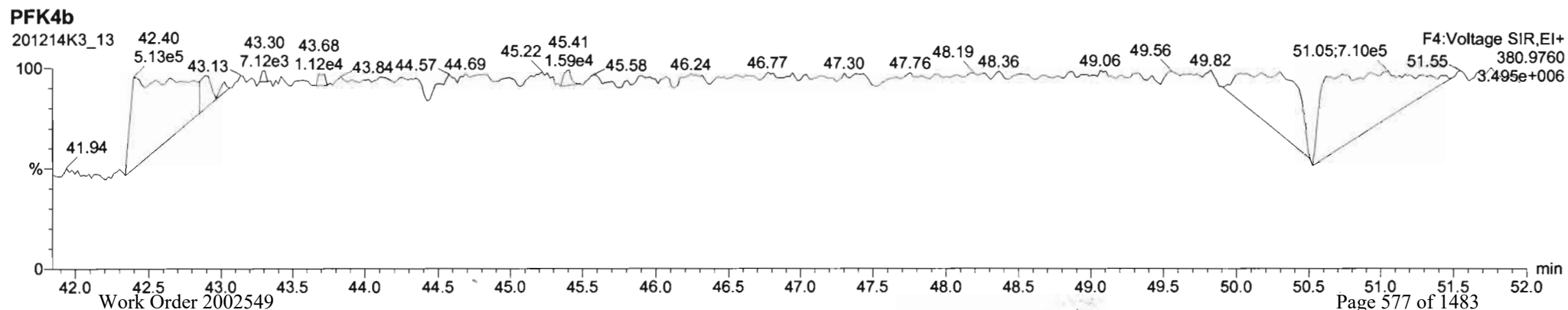
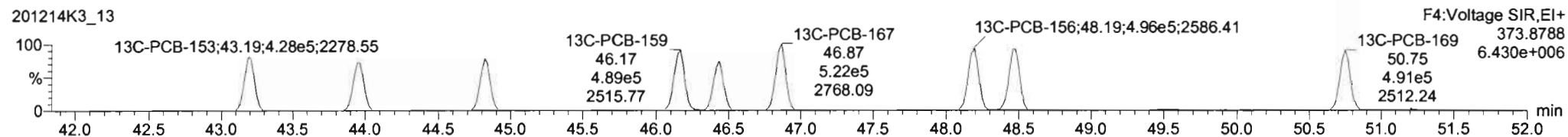
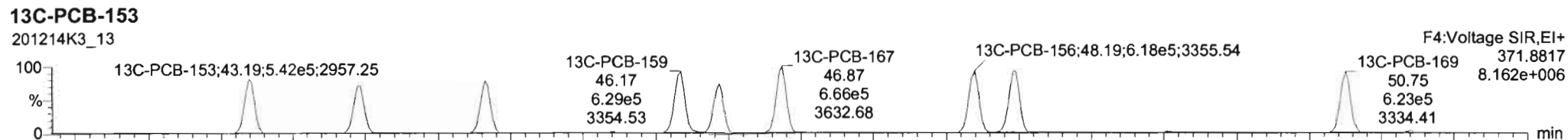
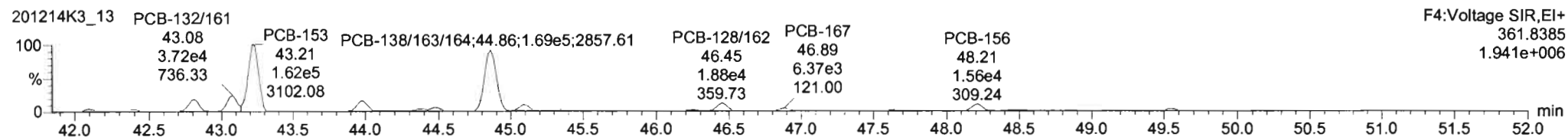
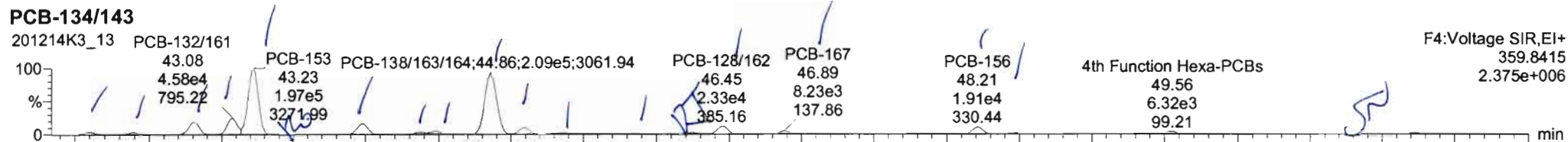


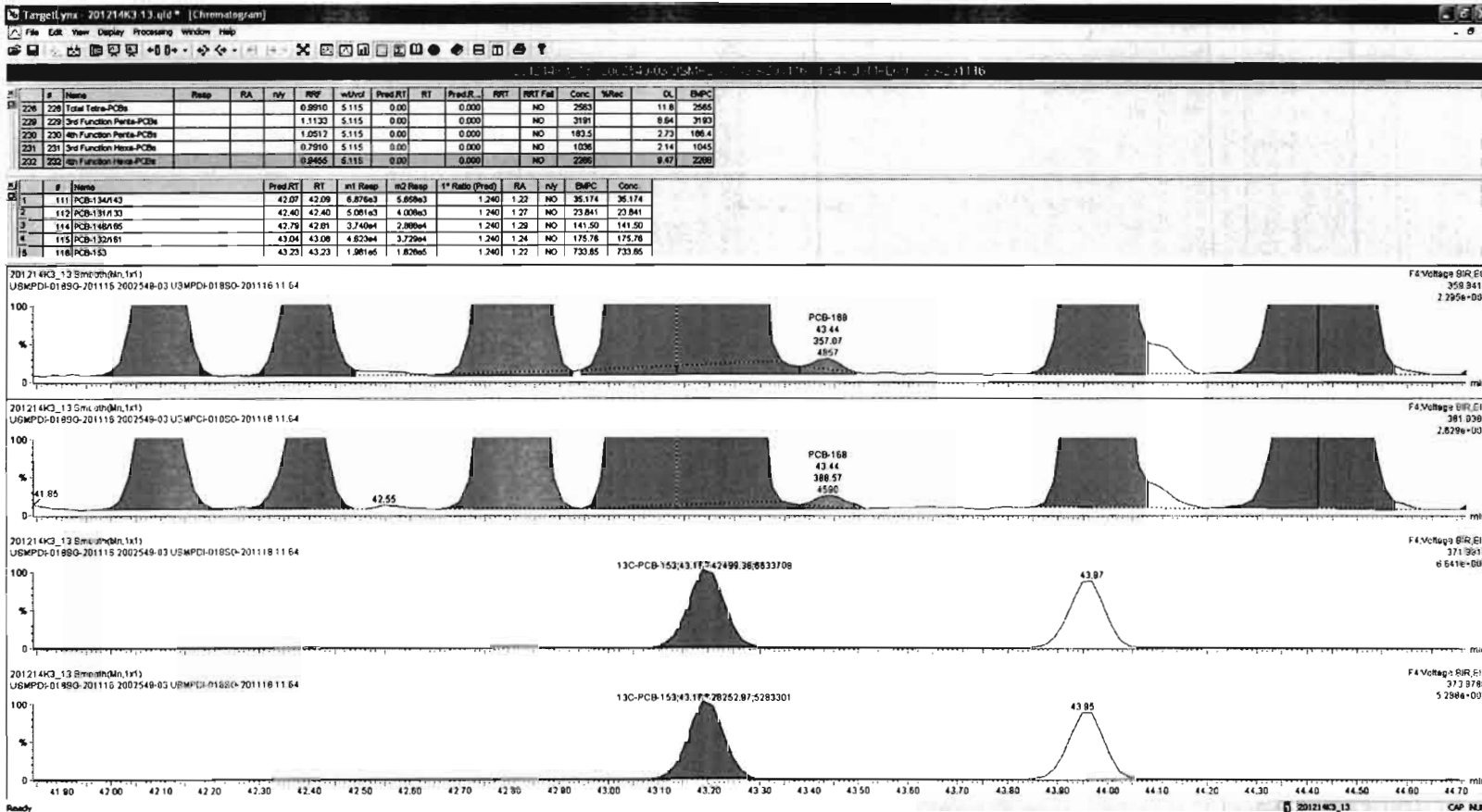


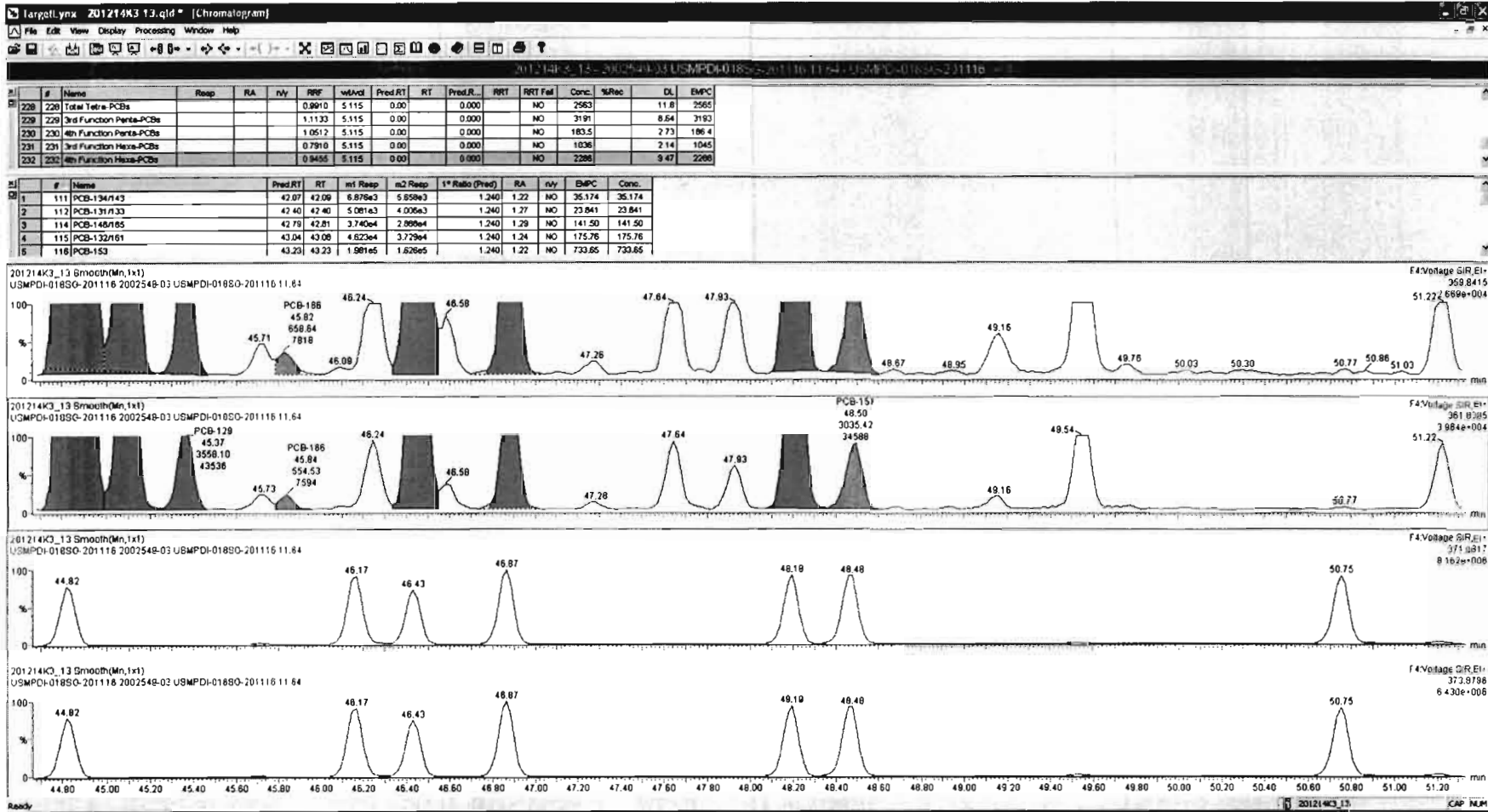
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
 Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116





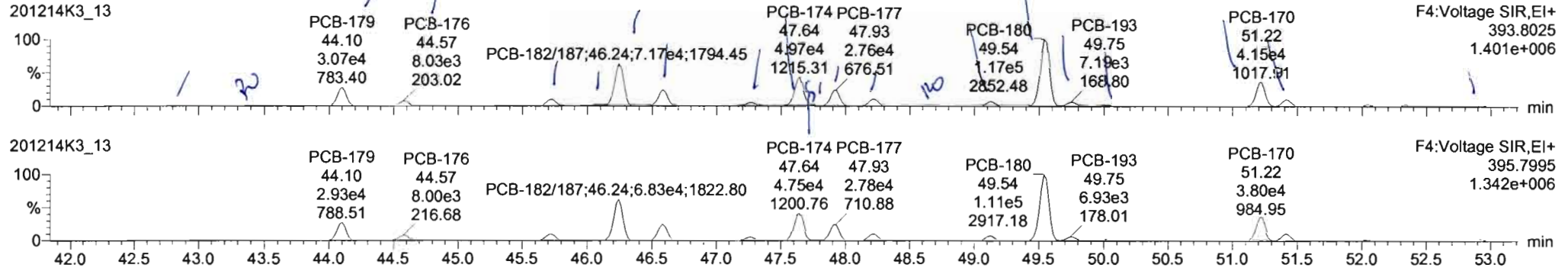


Dataset: Untitled

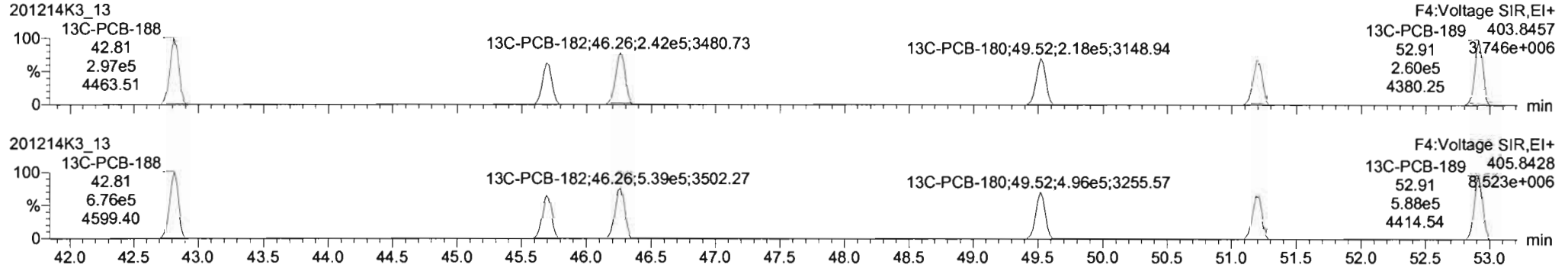
Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

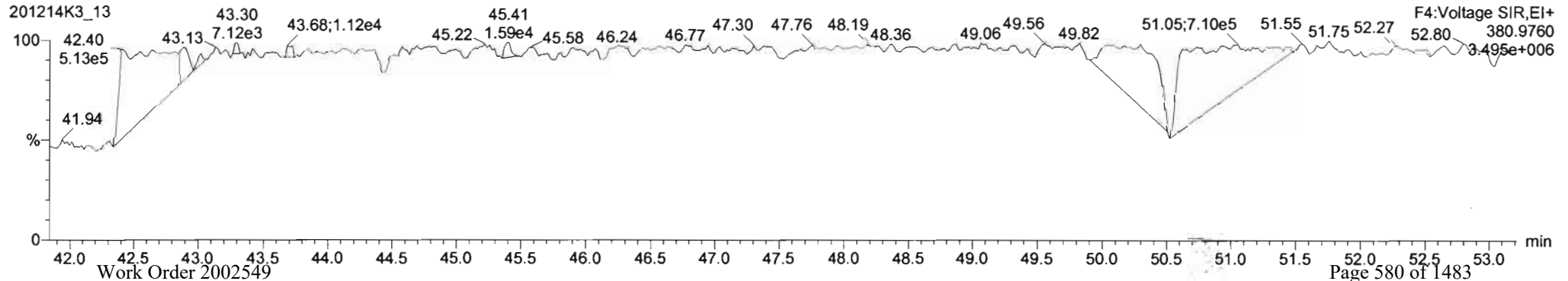
**PCB-188**

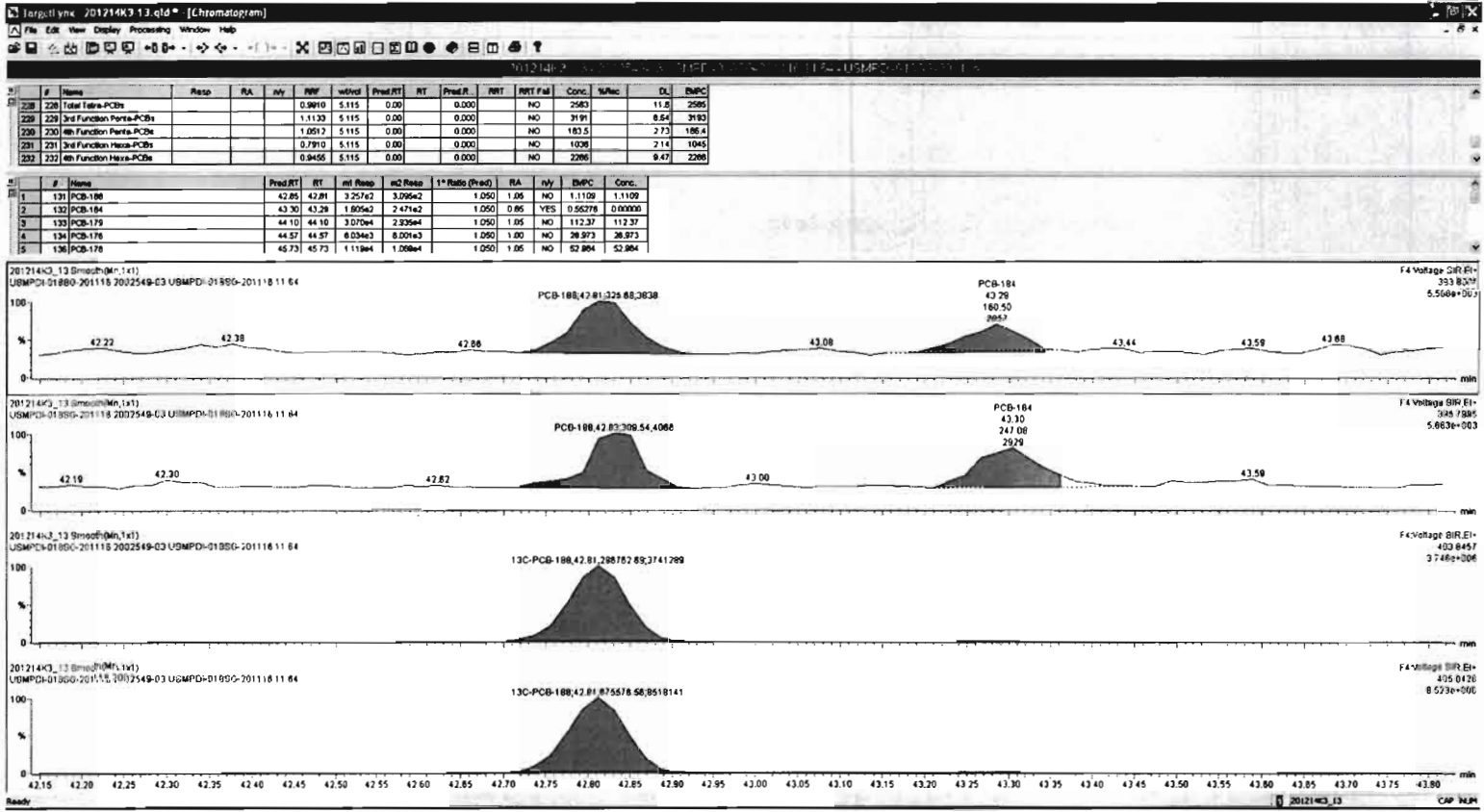


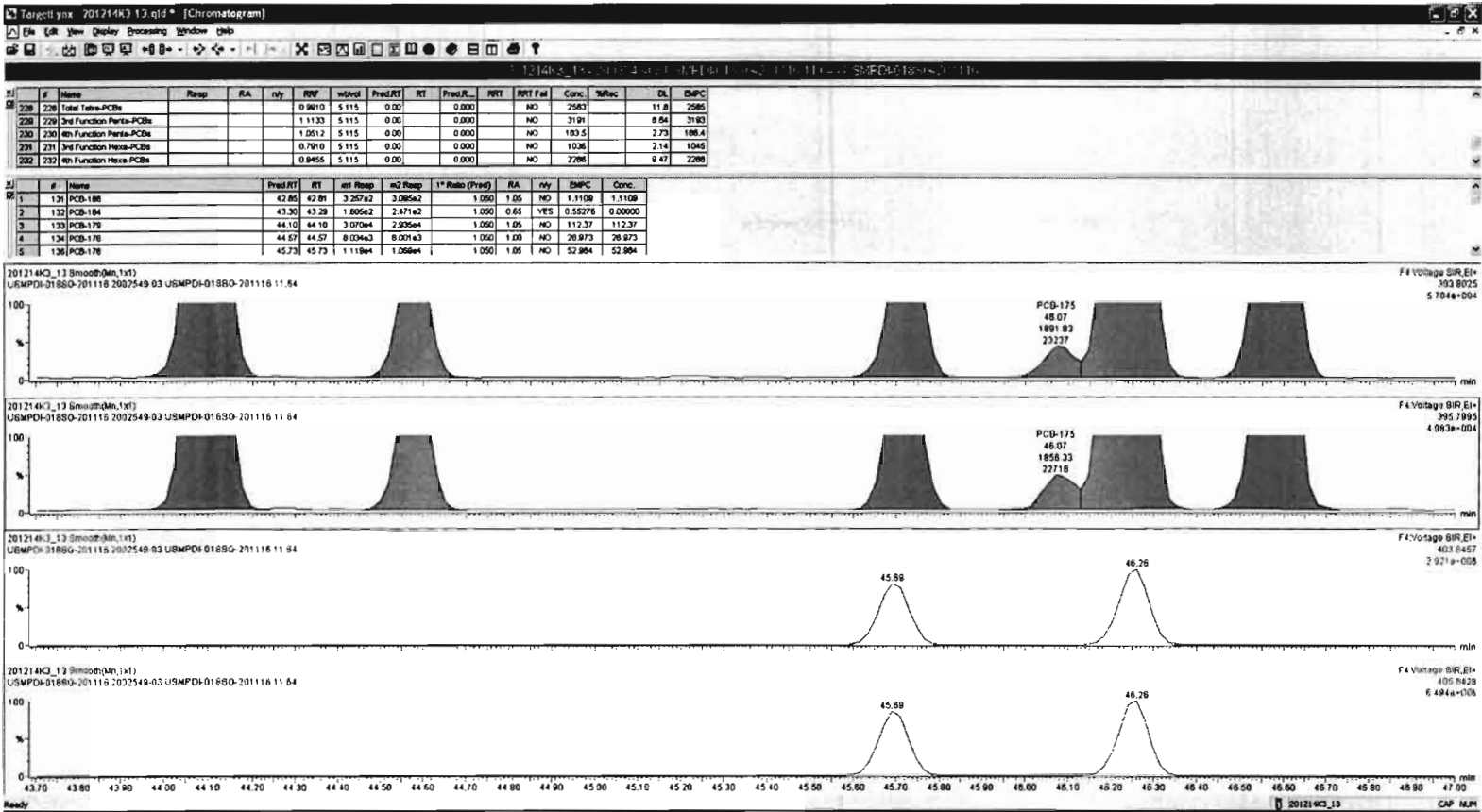
**13C-PCB-188**



**PFK4c**

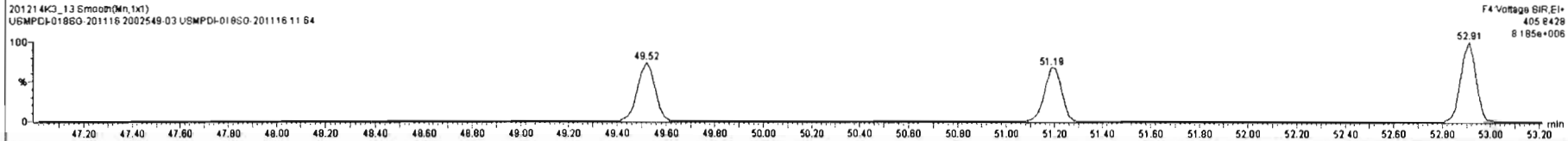
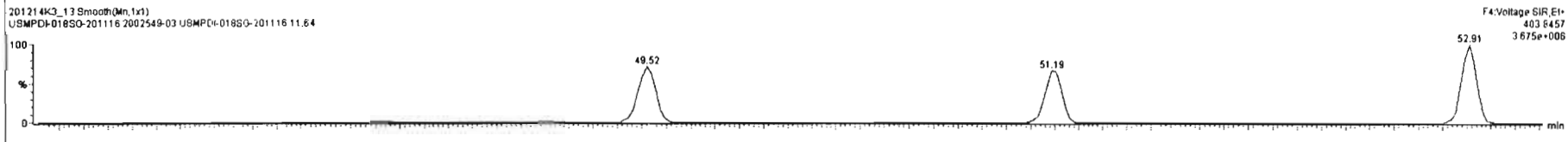
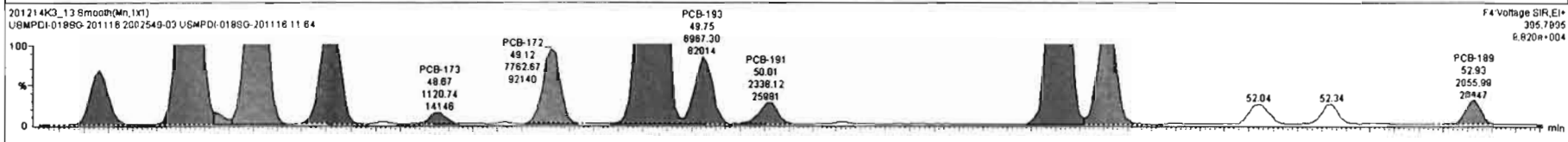
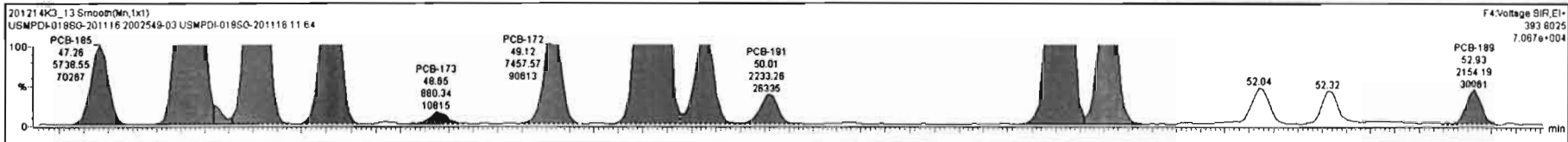






#	Name	Resp	RA	n/y	RSF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc.	%Rec	DL	BtPC
228	Total Tetra-PCBs				0.9910	5.115	0.00	0.000	0.000		NO	2563		11.8	2565
229	3rd Function Penta-PCBs				1.1133	5.115	0.00	0.000	0.000		NO	3191		8.84	3193
230	4th Function Penta-PCBs				1.0512	5.115	0.00	0.000	0.000		NO	183.5		2.73	186.4
231	3rd Function Hexa-PCBs				0.7910	5.115	0.00	0.000	0.000		NO	1036		2.14	1045
232	4th Function Hexa-PCBs				0.9455	5.115	0.00	0.000	0.000		NO	2266		9.47	2268

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	BtPC	Conc.
144	PCB-171	48.22	48.21	1.226e4	1.172e4	1.050	1.05	NO	53.898	53.898
144	PCB-173	48.67	48.65	8.803e2	1.121e3	1.050	0.79	YES	4.4051	0.00000
15	PCB-172	49.12	49.12	7.458e3	7.783e3	1.050	0.96	NO	33.137	33.137
18	PCB-180	49.54	49.54	1.173e5	1.116e5	1.050	1.05	NO	481.49	481.49
17	PCB-193	49.74	49.75	7.188e3	6.967e3	1.050	1.03	NO	26.329	26.329

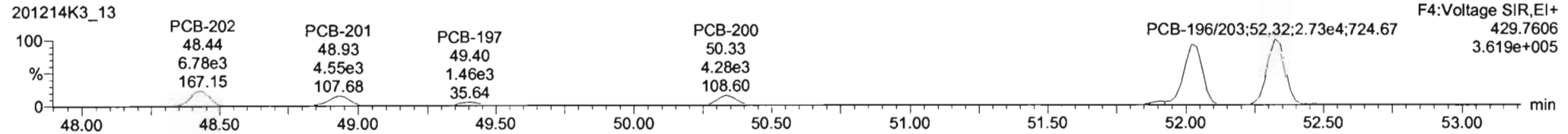
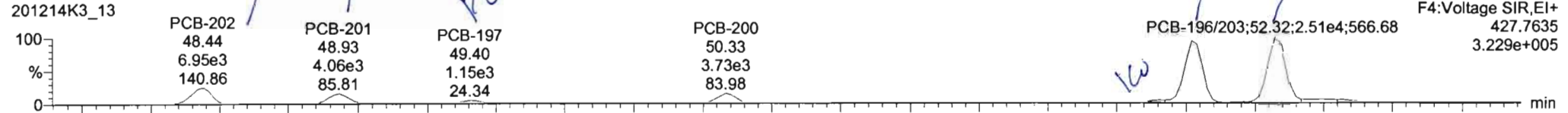


Dataset: Untitled

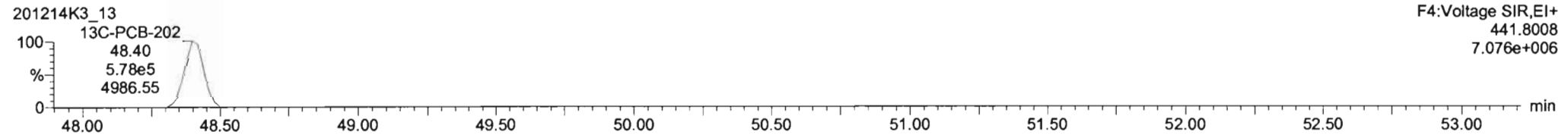
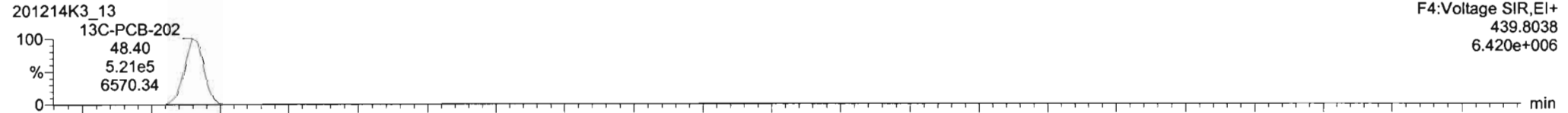
Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

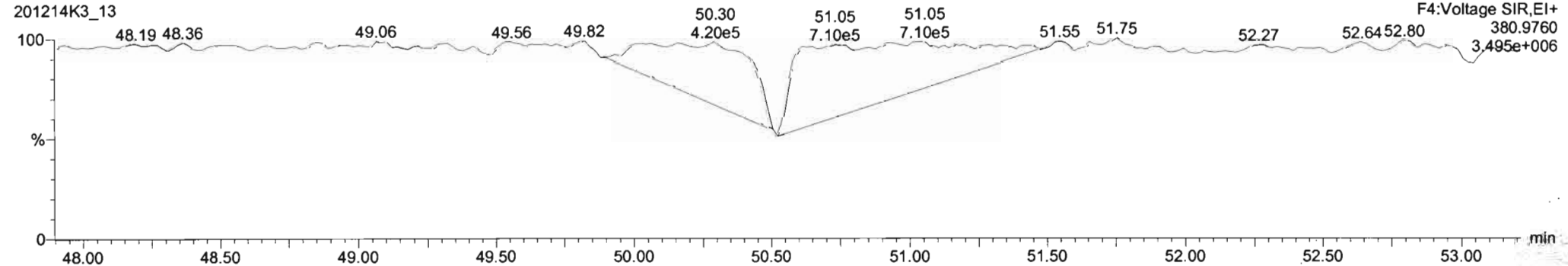
**PCB-202**



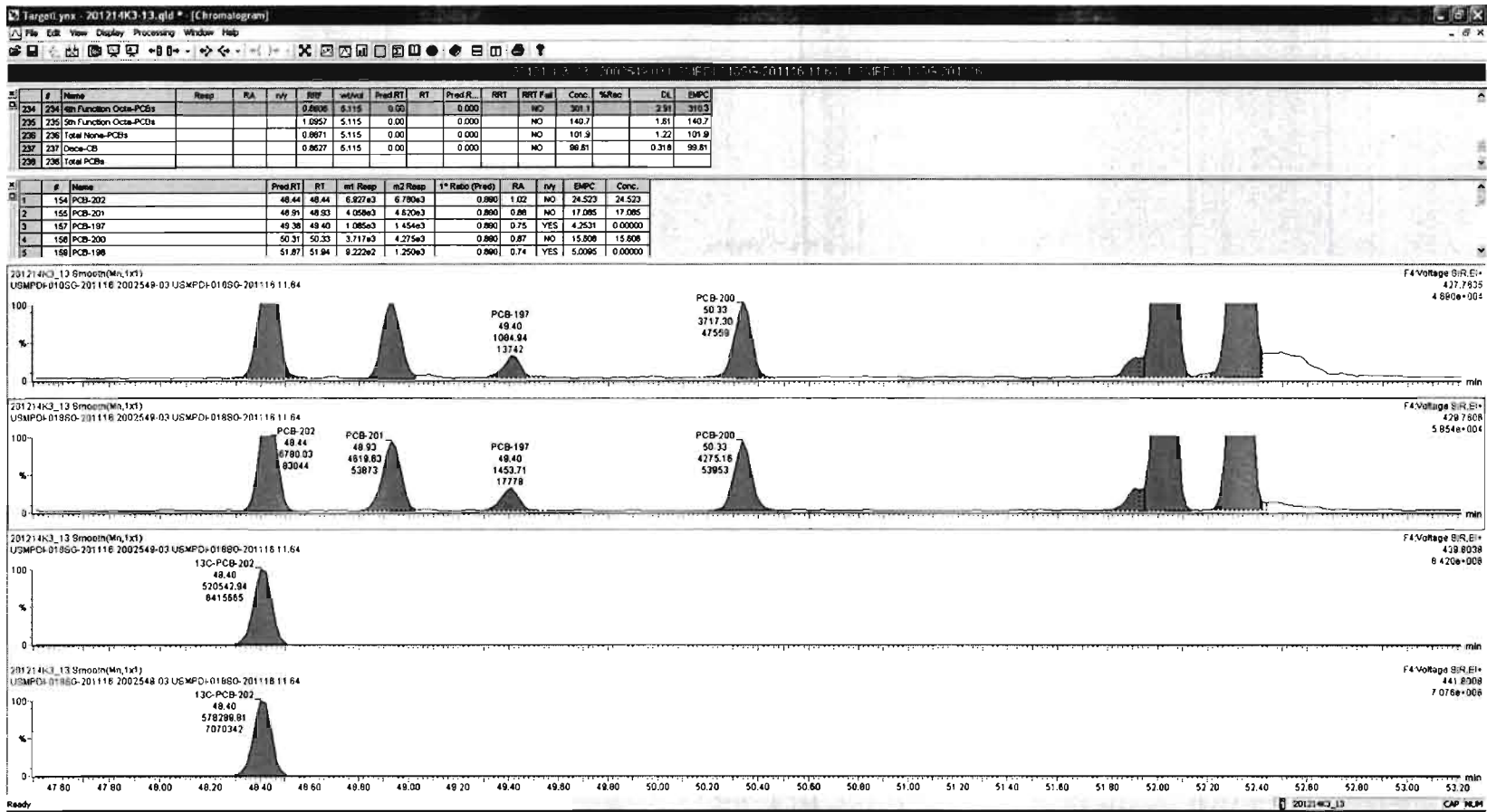
**13C-PCB-202**



**PFK4d**





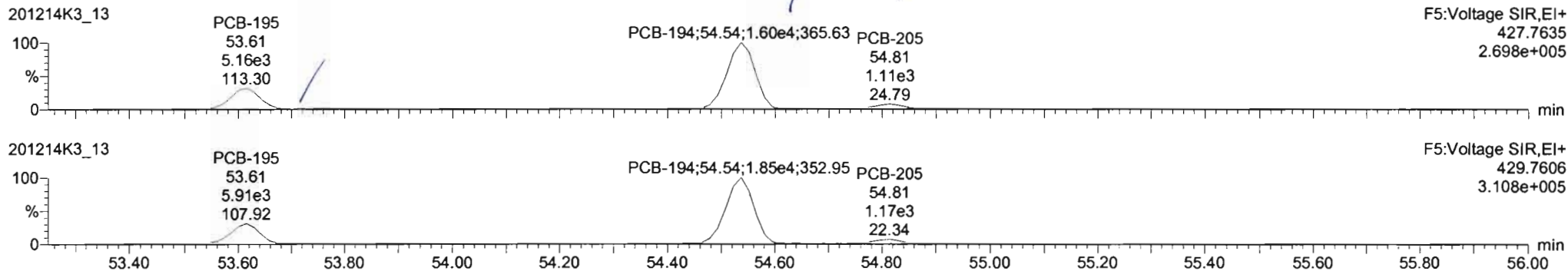


Dataset: Untitled

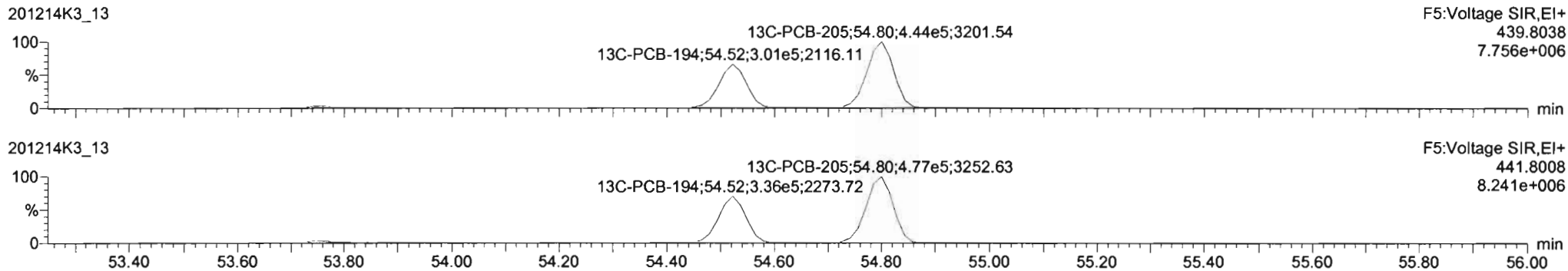
Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

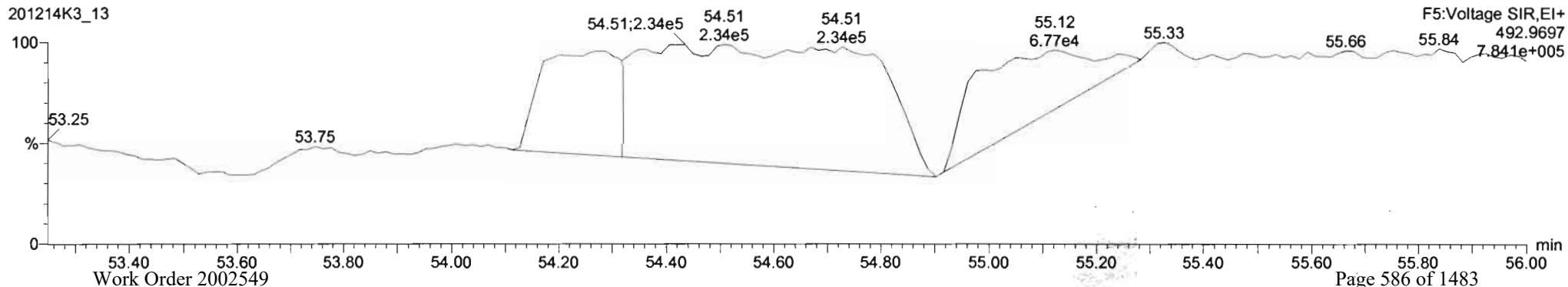
**PCB-195**



**13C-PCB-194**



**PFK5a**

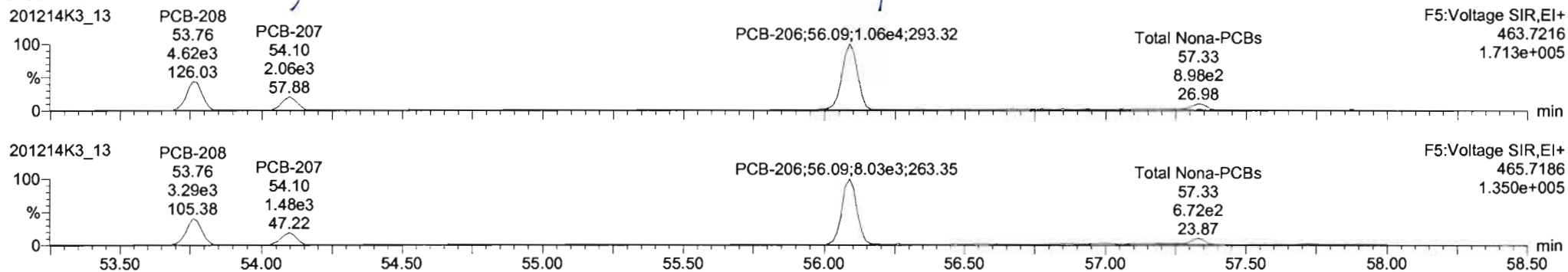


Dataset: Untitled

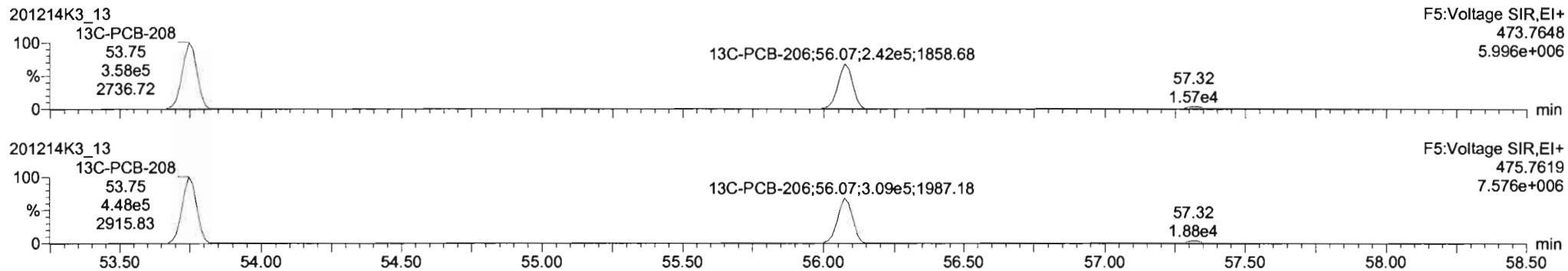
Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
 Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

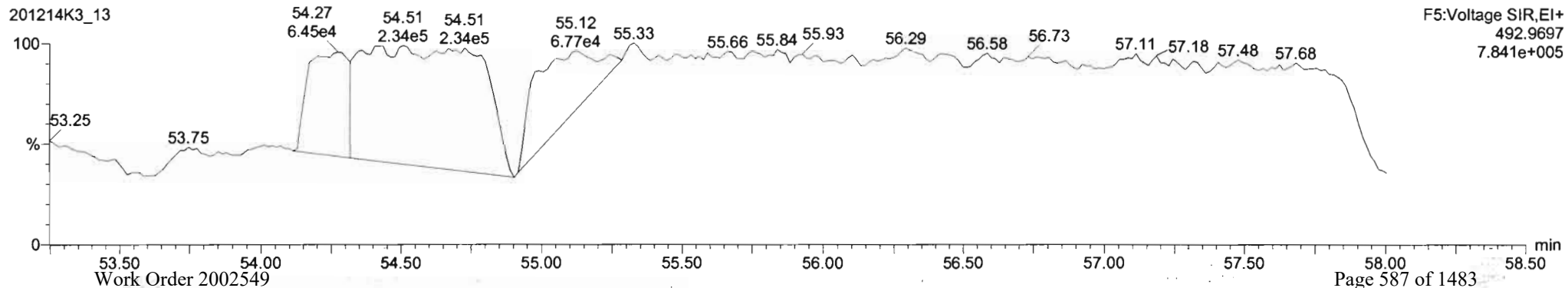
**PCB-208**



**13C-PCB-208**



**PFK5**



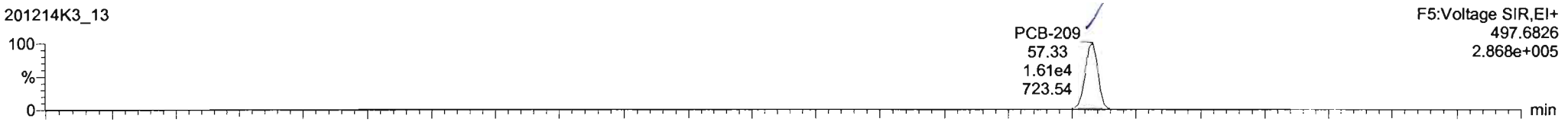
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 15:45:20 Pacific Standard Time

Name: 201214K3\_13, Date: 15-Dec-2020, Time: 14:32:41, ID: 2002549-03 USMPDI-018SG-201116 11.64, Description: USMPDI-018SG-201116

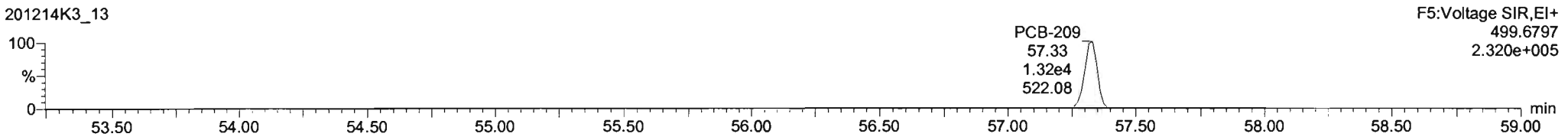
**PCB-209**

201214K3\_13



F5:Voltage SIR,EI+  
497.6826  
2.868e+005

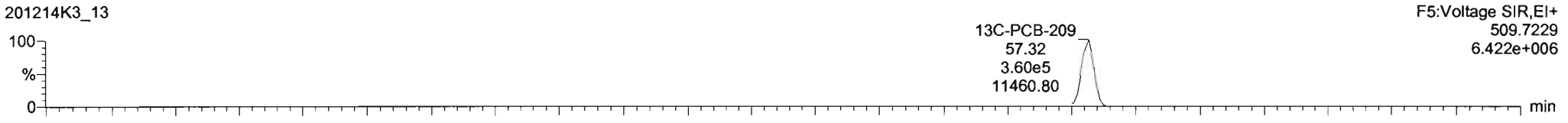
201214K3\_13



F5:Voltage SIR,EI+  
499.6797  
2.320e+005

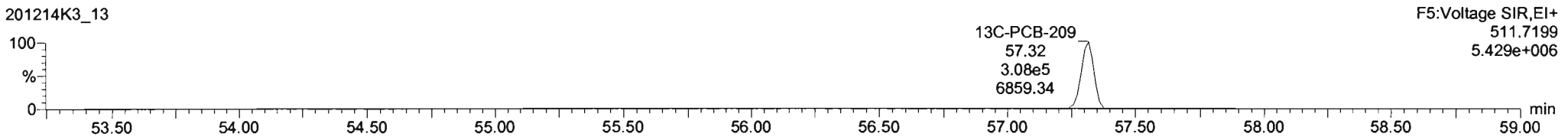
**13C-PCB-209**

201214K3\_13



F5:Voltage SIR,EI+  
509.7229  
6.422e+006

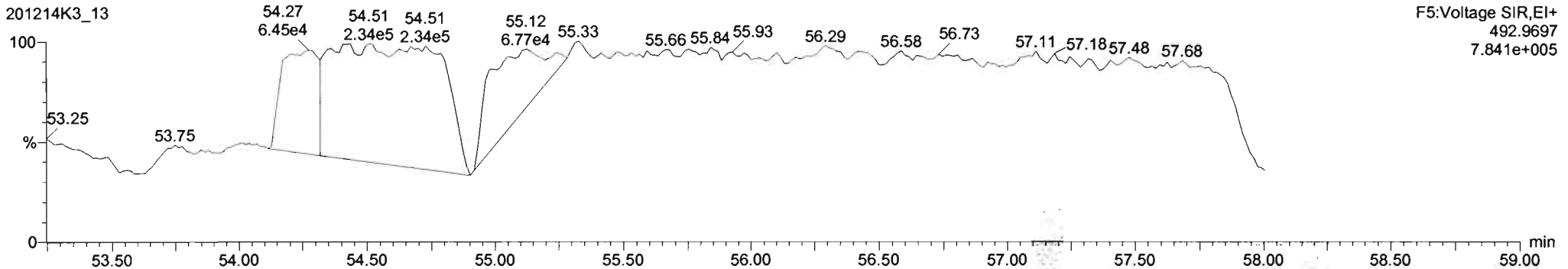
201214K3\_13



F5:Voltage SIR,EI+  
511.7199  
5.429e+006

**PFK5b**

201214K3\_13



F5:Voltage SIR,EI+  
492.9697  
7.841e+005

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-10.qld

Last Altered: Wednesday, December 16, 2020 14:15:54 Pacific Standard Time

Printed: Wednesday, December 16, 2020 14:16:58 Pacific Standard Time

*Hz 12-16-2020*

*WVH  
12/16/20*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.01e4	2.94	NO	0.986	5.181	15.42	15.43	1.001	1.001	NO	9.548		0.205	9.548
2	2 PCB-2	1.29e4	2.93	NO	1.02	5.181	17.82	17.83	0.988	0.989	NO	12.06		0.207	12.06
3	3 PCB-3	1.36e4	3.21	NO	1.00	5.181	18.04	18.06	1.001	1.001	NO	12.96		0.211	12.96
4	4 PCB-4/10	1.90e4	1.05	YES	1.21	5.181	19.46	19.40	1.004	1.001	NO	25.82		1.55	21.73
5	5 PCB-7/9			NO	0.939	5.181	21.25		1.003		YES			1.23	
6	6 PCB-6	1.18e4	1.52	NO	0.996	5.181	21.89	21.89	1.033	1.033	NO	11.53		1.15	11.53
7	7 PCB-5/8	4.95e4	1.56	NO	0.976	5.181	22.30	22.30	1.052	1.052	NO	49.30		1.18	49.30
8	8 PCB-14			NO	1.02	5.181	23.44		0.951		YES			1.21	
9	9 PCB-11	8.54e4	1.50	NO	1.12	5.181	24.66	24.66	1.001	1.001	NO	75.33		1.11	75.33
10	10 PCB-12/13	1.38e4	1.40	NO	1.02	5.181	25.09	25.02	1.018	1.015	NO	13.34		1.22	13.34
11	11 PCB-15	6.13e4	1.51	NO	1.02	5.181	25.37	25.37	1.030	1.030	NO	59.36		1.22	59.36
12	12 PCB-19	1.38e4	1.02	NO	0.972	5.181	23.63	23.63	1.001	1.001	NO	24.66		0.353	24.66
13	13 PCB-30			NO	1.54	5.181	24.54		1.040		YES			0.223	
14	14 PCB-18	5.63e4	1.01	NO	0.719	5.181	25.30	25.29	0.952	0.951	NO	87.05		0.305	87.05
15	15 PCB-17	3.20e4	0.99	NO	0.672	5.181	25.47	25.46	0.958	0.958	NO	52.92		0.327	52.92
16	16 PCB-24/27	7.83e3	1.00	NO	0.932	5.181	26.05	26.04	0.980	0.980	NO	9.346		0.235	9.346
17	17 PCB-16/32	4.40e4	1.05	NO	0.824	5.181	26.60	26.59	1.001	1.000	NO	59.32		0.266	59.32
18	18 PCB-34	2.37e3	0.98	NO	0.878	5.181	27.39	27.40	0.958	0.959	NO	2.642		0.342	2.642
19	19 PCB-23			NO	0.892	5.181	27.48		0.962		YES			0.337	
20	20 PCB-29	9.89e2	1.09	NO	0.861	5.181	27.74	27.76	0.971	0.971	NO	1.126		0.349	1.126
21	21 PCB-26	3.26e4	1.07	NO	0.915	5.181	27.97	27.96	0.979	0.979	NO	34.88		0.329	34.88
22	22 PCB-25	1.94e4	1.05	NO	0.915	5.181	28.13	28.13	0.984	0.984	NO	20.76		0.328	20.76
23	23 PCB-31	1.86e5	1.05	NO	1.03	5.181	28.49	28.50	0.997	0.997	NO	176.6		0.292	176.6
24	24 PCB-28	2.15e5	1.03	NO	1.01	5.181	28.59	28.59	1.001	1.001	NO	207.4		0.296	207.4
25	25 PCB-20/21/33	8.95e4	1.08	NO	0.913	5.181	29.23	29.26	1.023	1.024	NO	96.11		0.329	96.11
26	26 PCB-22	5.35e4	1.06	NO	0.948	5.181	29.67	29.69	1.038	1.039	NO	55.34		0.317	55.34
27	27 PCB-36	1.24e3	0.95	NO	1.07	5.181	30.35	30.32	0.932	0.931	NO	1.274		0.306	1.274
28	28 PCB-39	1.42e3	1.00	NO	1.00	5.181	30.83	30.81	0.946	0.946	NO	1.545		0.326	1.545
29	29 PCB-38	3.59e3	1.12	NO	1.05	5.181	31.62	31.63	0.970	0.971	NO	3.742		0.312	3.742
30	30 PCB-35	4.66e3	1.04	NO	1.05	5.181	32.16	32.17	0.987	0.987	NO	4.877		0.313	4.877
31	31 PCB-37	7.36e4	1.02	NO	1.03	5.181	32.60	32.59	1.001	1.001	NO	78.46		0.318	78.46

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	#.Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	.Check RRT:	Conc.	%Rec	DL	EMPC
32	32 PCB-54	4.49e3	0.63	YES	0.974	5.181	27.44	27.46	1.001	1.001	NO	6.301		0.244	5.614
33	33 PCB-50	1.12e3	0.55	YES	0.803	5.181	28.64	28.65	1.044	1.045	NO	1.917		0.296	1.570
34	34 PCB-53	2.39e4	0.79	NO	0.939	5.181	29.30	29.32	0.943	0.944	NO	41.28		0.320	41.28
35	35 PCB-51	1.49e4	0.71	NO	1.00	5.181	29.66	29.67	0.955	0.955	NO	24.18		0.301	24.18
36	36 PCB-45	1.48e4	0.77	NO	0.802	5.181	30.11	30.12	0.969	0.969	NO	30.00		0.375	30.00
37	37 PCB-46	6.25e3	0.75	NO	0.770	5.181	30.61	30.60	0.985	0.985	NO	13.16		0.390	13.16
38	38 PCB-52/69	2.28e5	0.75	NO	1.08	5.181	31.11	31.11	1.001	1.001	NO	342.3		0.278	342.3
39	39 PCB-73	9.78e2	0.73	NO	1.31	5.181	31.22	31.22	1.005	1.005	NO	1.215		0.230	1.215
40	40 PCB-43/49	1.54e5	0.75	NO	0.925	5.181	31.39	31.40	1.010	1.011	NO	269.4		0.325	269.4
41	41 PCB-47	7.91e4	0.77	NO	0.863	5.181	31.63	31.63	1.001	1.001	NO	141.5		0.347	141.5
42	42 PCB-48/75	3.02e4	0.79	NO	1.04	5.181	31.76	31.76	1.005	1.005	NO	44.96		0.288	44.96
43	43 PCB-65			NO	1.16	5.181	32.04		1.014		YES			0.258	
44	44 PCB-62			NO	1.04	5.181	32.13		1.016		YES			0.289	
45	45 PCB-44	1.25e5	0.77	NO	0.757	5.181	32.46	32.44	1.027	1.026	NO	255.2		0.395	255.2
46	46 PCB-42/59	5.28e4	0.76	NO	0.975	5.181	32.69	32.67	1.034	1.034	NO	83.56		0.307	83.56
47	47 PCB-41/64/71/72	1.72e5	0.75	NO	1.12	5.181	33.29	33.26	1.053	1.052	NO	238.3		0.268	238.3
48	48 PCB-68	5.19e3	0.66	NO	1.19	5.181	33.56	33.54	1.062	1.061	NO	6.738		0.252	6.738
49	49 PCB-40	1.80e4	0.73	NO	0.572	5.181	33.79	33.75	1.069	1.068	NO	48.42		0.523	48.42
50	50 PCB-57	1.86e3	0.71	NO	1.08	5.181	34.12	34.12	0.969	0.969	NO	2.251		0.223	2.251
51	51 PCB-67	7.22e3	0.76	NO	1.02	5.181	34.43	34.44	0.978	0.978	NO	9.278		0.236	9.278
52	52 PCB-58	2.01e3	0.76	NO	1.08	5.181	34.55	34.57	0.981	0.982	NO	2.429		0.222	2.429
53	53 PCB-63	9.82e3	0.80	NO	0.971	5.181	34.72	34.73	0.986	0.986	NO	13.20		0.247	13.20
54	54 PCB-74	1.29e5	0.77	NO	1.09	5.181	35.02	35.01	0.994	0.994	NO	155.4		0.221	155.4
55	55 PCB-61/70	3.19e5	0.76	NO	0.978	5.181	35.24	35.24	1.000	1.001	NO	425.6		0.245	425.6
56	56 PCB-76/66	2.70e5	0.74	NO	1.07	5.181	35.41	35.44	1.005	1.006	NO	329.6		0.224	329.6
57	57 PCB-80			NO	1.08	5.181	35.67		1.001		YES			0.220	
58	58 PCB-55	3.60e3	0.74	NO	1.06	5.181	36.00	35.98	1.010	1.009	NO	4.193		0.223	4.193
59	59 PCB-56/60	1.40e5	0.74	NO	0.946	5.181	36.51	36.50	1.024	1.024	NO	183.7		0.251	183.7
60	60 PCB-79	7.38e3	0.81	NO	1.06	5.181	37.61	37.64	1.055	1.056	NO	8.653		0.224	8.653
61	61 PCB-78	1.29e3	0.92	YES	1.01	5.181	38.33	38.27	0.987	0.985	NO	1.664		0.242	1.530
62	62 PCB-81	1.71e3	0.89	YES	0.941	5.181	38.87	38.90	1.000	1.001	NO	2.352		0.259	2.203
63	63 PCB-77	2.93e4	0.76	NO	1.03	5.181	39.48	39.48	1.000	1.000	NO	37.69		0.252	37.69
64	64 PCB-104	7.69e2	0.85	YES	0.982	5.181	32.30	32.32	1.001	1.001	NO	1.077		0.207	0.8127
65	65 PCB-96	3.45e3	1.64	NO	0.982	5.181	33.59	33.58	1.041	1.040	NO	4.835		0.207	4.835

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Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	8.31e3	1.52	NO	0.770	5.181	34.15	34.14	1.058	1.058	NO	14.85		0.264	14.85
67	67 PCB-100	6.67e3	1.59	NO	0.805	5.181	34.52	34.51	1.070	1.069	NO	11.40		0.253	11.40
68	68 PCB-94	2.16e3	1.53	NO	0.831	5.181	34.98	34.99	0.985	0.985	NO	4.887		0.364	4.887
69	69 PCB-95/98/102	2.22e5	1.56	NO	1.07	5.181	35.47	35.55	0.999	1.001	NO	388.2		0.282	388.2
70	70 PCB-93			NO	0.761	5.181	35.62		1.003		YES			0.397	
71	71 PCB-88/91	4.17e4	1.59	NO	0.910	5.181	35.94	35.96	1.012	1.013	NO	85.93		0.332	85.93
72	72 PCB-121			NO	1.46	5.181	36.05		1.015		YES			0.206	
73	73 PCB-84/92	1.21e5	1.54	NO	0.826	5.181	36.90	36.89	0.990	0.990	NO	243.8		0.316	243.8
74	74 PCB-89	2.22e3	1.26	YES	0.885	5.181	37.07	37.08	0.995	0.995	NO	4.173		0.295	3.823
75	75 PCB-90/101	3.39e5	1.54	NO	0.905	5.181	37.28	37.28	1.000	1.001	NO	622.7		0.288	622.7
76	76 PCB-113	1.30e3	1.35	NO	1.26	5.181	37.53	37.53	1.007	1.007	NO	1.721		0.207	1.721
77	77 PCB-99	1.56e5	1.53	NO	0.993	5.181	37.62	37.64	1.010	1.010	NO	261.4		0.263	261.4
78	78 PCB-119	1.69e4	1.58	NO	1.53	5.181	38.10	38.10	0.987	0.987	NO	22.51		0.211	22.51
79	79 PCB-108/112	1.19e4	1.72	NO	1.25	5.181	38.26	38.27	0.991	0.991	NO	19.51		0.259	19.51
80	80 PCB-83			NO	1.56	5.181	38.42		0.995		YES			0.207	
81	81 PCB-97	7.14e4	1.58	NO	1.12	5.181	38.62	38.62	1.000	1.000	NO	129.8		0.287	129.8
82	82 PCB-86			NO	1.06	5.181	38.77		1.004		YES			0.305	
83	83 PCB-87/117/125	9.90e4	1.51	NO	1.34	5.181	38.91	38.92	1.008	1.008	NO	151.1		0.241	151.1
84	84 PCB-111/115	5.14e3	1.40	NO	1.62	5.181	39.07	39.07	1.012	1.012	NO	6.498		0.200	6.498
85	85 PCB-85/116	4.44e4	1.56	NO	1.23	5.181	39.20	39.18	1.015	1.015	NO	73.68		0.262	73.68
86	86 PCB-120	3.26e3	1.85	YES	1.79	5.181	39.46	39.46	1.022	1.022	NO	3.721		0.180	3.338
87	87 PCB-110	4.05e5	1.60	NO	1.50	5.181	39.61	39.61	1.026	1.026	NO	552.5		0.215	552.5
88	88 PCB-82	2.34e4	1.65	NO	0.638	5.181	40.27	40.24	0.976	0.975	NO	51.50		0.361	51.50
89	89 PCB-124	1.39e4	1.56	NO	1.08	5.181	40.98	40.95	0.993	0.992	NO	18.09		0.214	18.09
90	90 PCB-107/109	3.04e4	1.48	NO	1.11	5.181	41.12	41.14	0.996	0.997	NO	38.44		0.208	38.44
91	91 PCB-123	4.52e3	1.71	NO	1.00	5.181	41.29	41.28	1.000	1.000	NO	6.332		0.230	6.332
92	92 PCB-106/118	3.39e5	1.56	NO	1.02	5.181	41.49	41.47	1.001	1.000	NO	457.5		0.217	457.5
93	93 PCB-114	6.75e3	1.68	NO	1.08	5.181	42.15	42.13	1.000	1.000	NO	10.73		0.510	10.73
94	94 PCB-122	2.74e3	1.49	NO	0.930	5.181	42.30	42.28	1.004	1.004	NO	5.083		0.594	5.083
95	95 PCB-105	1.03e5	1.61	NO	1.03	5.181	43.04	43.04	1.000	1.000	NO	167.3		0.546	167.3
96	96 PCB-127			NO	1.06	5.181	43.38		1.000		YES			0.498	
97	97 PCB-126	1.93e3	1.54	NO	1.15	5.181	45.35	45.35	1.000	1.000	NO	2.947		0.517	2.947
98	98 PCB-155	2.82e2	0.88	YES	0.853	5.181	36.82	36.80	1.000	1.000	NO	0.5036		0.108	0.4269
99	99 PCB-150	2.43e3	1.48	YES	0.934	5.181	38.12	38.12	1.036	1.036	NO	3.961		0.0988	3.580

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	1... PCB-152	6.23e2	2.21	YES	1.02	5.181	38.62	38.60	1.049	1.049	NO	0.9334		0.0906	0.6523
101	1... PCB-145			NO	0.983	5.181	39.09		1.062		YES			0.0939	
102	1... PCB-136	6.54e4	1.26	NO	0.881	5.181	39.40	39.41	1.071	1.071	NO	113.2		0.105	113.2
103	1... PCB-148	1.25e3	1.14	NO	0.666	5.181	39.53	39.50	1.074	1.073	NO	2.855		0.139	2.855
104	1... PCB-154	1.12e4	1.30	NO	0.721	5.181	40.03	40.02	1.088	1.087	NO	23.59		0.128	23.59
105	1... PCB-151	8.63e4	1.30	NO	0.674	5.181	40.70	40.69	1.106	1.106	NO	195.3		0.137	195.3
106	1... PCB-135	5.05e4	1.28	NO	0.723	5.181	40.93	40.91	1.112	1.112	NO	106.4		0.128	106.4
107	1... PCB-144	1.18e4	1.27	NO	0.691	5.181	41.02	41.02	1.115	1.115	NO	26.01		0.133	26.01
108	1... PCB-147	9.23e3	1.33	NO	0.713	5.181	41.16	41.15	1.119	1.118	NO	19.75		0.129	19.75
109	1... PCB-139/149	3.15e5	1.28	NO	0.773	5.181	41.44	41.41	1.126	1.125	NO	620.3		0.119	620.3
110	1... PCB-140	3.12e3	0.94	YES	0.652	5.181	41.64	41.62	1.131	1.131	NO	7.291		0.141	6.381
111	1... PCB-134/143	1.35e4	1.27	NO	0.718	5.181	42.07	42.09	0.974	0.975	NO	35.08		0.441	35.08
112	1... PCB-131/133	1.00e4	1.30	NO	0.768	5.181	42.40	42.38	0.982	0.981	NO	24.34		0.413	24.34
113	1... PCB-142	5.25e2	0.69	YES	0.687	5.181	42.55	42.51	0.985	0.984	NO	1.421		0.461	1.047
114	1... PCB-146/165	7.13e4	1.24	NO	0.943	5.181	42.79	42.79	0.991	0.991	NO	140.5		0.336	140.5
115	1... PCB-132/161	9.05e4	1.21	NO	0.957	5.181	43.04	43.06	0.997	0.997	NO	175.8		0.331	175.8
116	1... PCB-153	3.94e5	1.26	NO	0.990	5.181	43.23	43.21	1.001	1.000	NO	739.3		0.320	739.3
117	1... PCB-168	8.99e2	1.36	NO	1.03	5.181	43.44	43.42	1.006	1.005	NO	1.615		0.306	1.615
118	1... PCB-141	5.71e4	1.23	NO	0.948	5.181	43.97	43.97	1.000	1.000	NO	135.0		0.391	135.0
119	1... PCB-137	1.07e4	1.18	NO	0.964	5.181	44.34	44.37	1.009	1.009	NO	24.94		0.385	24.94
120	1... PCB-130	1.92e4	1.29	NO	0.816	5.181	44.46	44.46	1.012	1.012	NO	52.67		0.454	52.67
121	1... PCB-138/163/164	3.82e5	1.24	NO	1.15	5.181	44.88	44.84	1.001	1.000	NO	708.2		0.316	708.2
122	1... PCB-158/160	3.58e4	1.24	NO	1.14	5.181	45.12	45.09	1.007	1.006	NO	67.20		0.320	67.20
123	1... PCB-129	8.51e3	1.36	NO	0.807	5.181	45.37	45.35	1.012	1.012	NO	22.55		0.452	22.55
124	1... PCB-166	1.19e3	1.51	YES	1.03	5.181	45.83	45.82	0.993	0.993	NO	1.975		0.280	1.762
125	1... PCB-159			NO	1.10	5.181	46.16		1.000		YES			0.263	
126	1... PCB-128/162	4.22e4	1.25	NO	0.836	5.181	46.46	46.43	1.007	1.006	NO	86.13		0.345	86.13
127	1... PCB-167	1.37e4	1.26	NO	0.960	5.181	46.87	46.87	1.000	1.000	NO	23.62		0.290	23.62
128	1... PCB-156	3.42e4	1.18	NO	1.06	5.181	48.19	48.19	1.000	1.000	NO	56.57		0.277	56.57
129	1... PCB-157	6.40e3	1.26	NO	0.960	5.181	48.48	48.48	1.000	1.000	NO	11.60		0.306	11.60
130	1... PCB-169			NO	1.04	5.181	50.75		1.000		YES			0.295	
131	1... PCB-188	4.71e2	1.28	YES	1.15	5.181	42.83	42.81	1.001	1.000	NO	0.8061		0.287	0.7260
132	1... PCB-184	4.42e2	0.72	YES	1.14	5.181	43.28	43.29	1.011	1.012	NO	0.7627		0.289	0.6228
133	1... PCB-179	6.05e4	1.04	NO	1.07	5.181	44.08	44.08	1.030	1.030	NO	110.9		0.307	110.9



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	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	1... PCB-176	1.68e4	1.07	NO	1.11	5.181	44.55	44.56	1.041	1.041	NO	29.75		0.296	29.75
135	1... PCB-186	3.07e2	1.01	NO	1.23	5.181	45.18	45.18	1.056	1.056	NO	0.4905		0.268	0.4905
136	1... PCB-178	2.07e4	0.97	NO	0.830	5.181	45.71	45.71	1.068	1.068	NO	49.01		0.397	49.01
137	1... PCB-175	3.70e3	0.82	YES	0.853	5.181	46.05	46.07	1.076	1.077	NO	8.540		0.387	7.536
138	1... PCB-182/187	1.38e5	1.01	NO	0.942	5.181	46.24	46.22	1.081	1.080	NO	287.3		0.350	287.3
139	1... PCB-183	5.66e4	1.07	NO	0.910	5.181	46.56	46.58	1.088	1.089	NO	122.5		0.362	122.5
140	1... PCB-185	1.13e4	1.03	NO	1.24	5.181	47.24	47.25	0.954	0.954	NO	25.04		0.393	25.04
141	1... PCB-174	1.02e5	0.99	NO	1.20	5.181	47.62	47.62	0.962	0.962	NO	233.9		0.406	233.9
142	1... PCB-181	3.57e3	0.96	NO	1.33	5.181	47.72	47.72	0.964	0.964	NO	7.383		0.366	7.383
143	1... PCB-177	5.46e4	1.05	NO	1.14	5.181	47.91	47.91	0.968	0.968	NO	131.6		0.426	131.6
144	1... PCB-171	2.38e4	0.98	NO	1.22	5.181	48.20	48.21	0.974	0.974	NO	53.82		0.399	53.82
145	1... PCB-173	1.83e3	1.07	NO	1.07	5.181	48.65	48.65	0.983	0.983	NO	4.714		0.456	4.714
146	1... PCB-172	1.47e4	0.90	NO	1.26	5.181	49.10	49.12	0.992	0.992	NO	32.22		0.387	32.22
147	1... PCB-192			NO	1.61	5.181	49.31		0.996		YES			0.301	
148	1... PCB-180	2.22e5	1.02	NO	1.30	5.181	49.52	49.54	1.000	1.001	NO	469.1		0.374	469.1
149	1... PCB-193	1.37e4	0.95	NO	1.47	5.181	49.72	49.75	1.004	1.005	NO	25.54		0.331	25.54
150	1... PCB-191	4.05e3	1.26	YES	1.51	5.181	49.99	49.99	1.010	1.010	NO	7.408		0.323	6.717
151	1... PCB-170	8.01e4	1.02	NO	1.23	5.181	51.19	51.19	1.000	1.000	NO	193.1		0.417	193.1
152	1... PCB-190	2.18e4	0.95	NO	1.61	5.181	51.40	51.39	1.005	1.004	NO	40.27		0.319	40.27
153	1... PCB-189	3.87e3	1.21	YES	1.27	5.181	52.91	52.89	1.000	1.000	NO	7.138		0.271	6.613
154	1... PCB-202	1.35e4	0.86	NO	0.995	5.181	48.44	48.42	1.001	1.000	NO	23.77		0.168	23.77
155	1... PCB-201	8.28e3	1.03	YES	0.904	5.181	48.91	48.91	1.010	1.011	NO	16.10		0.185	15.00
156	1... PCB-204	2.28e2	1.14	YES	0.955	5.181	49.06	49.06	1.014	1.014	NO	0.4203		0.175	0.3717
157	1... PCB-197	2.45e3	1.02	YES	0.964	5.181	49.38	49.39	1.020	1.020	NO	4.472		0.174	4.177
158	1... PCB-200	8.23e3	0.83	NO	0.911	5.181	50.31	50.33	1.039	1.040	NO	15.87		0.184	15.87
159	1... PCB-198	2.62e3	0.89	NO	0.696	5.181	51.87	51.89	1.072	1.072	NO	6.615		0.240	6.615
160	1... PCB-199	4.85e4	0.90	NO	0.706	5.181	52.00	52.00	1.074	1.074	NO	120.8		0.237	120.8
161	1... PCB-196/203	5.41e4	0.86	NO	0.754	5.181	52.30	52.32	1.081	1.081	NO	126.0		0.222	126.0
162	1... PCB-195	1.45e4	0.89	NO	0.957	5.181	53.61	53.60	0.984	0.983	NO	45.20		0.636	45.20
163	1... PCB-194	3.47e4	0.92	NO	1.06	5.181	54.52	54.52	1.000	1.000	NO	97.85		0.574	97.85
164	1... PCB-205	2.35e3	0.94	NO	1.27	5.181	54.80	54.80	1.005	1.005	NO	5.542		0.480	5.542
165	1... PCB-208	9.00e3	1.31	NO	0.861	5.181	53.76	53.76	1.000	1.000	NO	23.34		0.293	23.34
166	1... PCB-207	4.15e3	1.49	NO	0.849	5.181	54.10	54.10	1.007	1.007	NO	10.91		0.297	10.91
167	1... PCB-206	2.03e4	1.33	NO	0.951	5.181	56.07	56.07	1.000	1.000	NO	72.86		0.398	72.86

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Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	1... PCB-209	3.56e4	1.11	NO	0.863	5.181	57.30	57.32	1.000	1.000	NO	108.7		0.143	108.7
169	1... 13C-PCB-1	2.06e6	3.08	NO	0.937	5.181	15.42	15.41	0.608	0.608	NO	1887	97.8	2.38	
170	1... 13C-PCB-3	2.02e6	3.17	NO	0.934	5.181	18.04	18.03	0.712	0.711	NO	1853	96.0	2.39	
171	1... 13C-PCB-4	1.18e6	1.57	NO	0.599	5.181	19.39	19.38	0.765	0.764	NO	1681	87.1	0.661	
172	1... 13C-PCB-9	1.98e6	1.57	NO	0.960	5.181	21.20	21.19	0.836	0.836	NO	1771	91.8	0.413	
173	1... 13C-PCB-11	1.96e6	1.59	NO	0.929	5.181	24.63	24.64	0.971	0.972	NO	1808	93.7	0.426	
174	1... 13C-PCB-19	1.11e6	1.00	NO	0.506	5.181	23.60	23.60	0.931	0.931	NO	1877	97.2	8.14	
175	1... 13C-PCB-32	1.74e6	1.02	NO	0.738	5.181	26.58	26.58	1.049	1.048	NO	2014	104	5.58	
176	1... 13C-PCB-28	1.97e6	1.04	NO	1.06	5.181	28.59	28.58	1.004	1.003	NO	2046	106	5.39	
177	1... 13C-PCB-37	1.76e6	1.03	NO	0.979	5.181	32.57	32.58	1.143	1.144	NO	1982	103	5.83	
178	1... 13C-PCB-54	1.41e6	0.78	NO	0.981	5.181	27.41	27.42	0.751	0.752	NO	1745	90.4	0.985	
179	1... 13C-PCB-52	1.19e6	0.76	NO	0.786	5.181	31.07	31.07	0.852	0.852	NO	1836	95.1	1.23	
180	1... 13C-PCB-47	1.25e6	0.78	NO	0.833	5.181	31.58	31.61	0.866	0.866	NO	1823	94.4	1.16	
181	1... 13C-PCB-70	1.48e6	0.78	NO	0.981	5.181	35.21	35.22	0.965	0.965	NO	1829	94.8	0.985	
182	1... 13C-PCB-80	1.55e6	0.80	NO	1.01	5.181	35.64	35.65	0.977	0.977	NO	1861	96.4	0.953	
183	1... 13C-PCB-81	1.49e6	0.77	NO	0.995	5.181	38.84	38.85	1.064	1.065	NO	1822	94.4	0.971	
184	1... 13C-PCB-77	1.46e6	0.77	NO	0.977	5.181	39.46	39.46	1.082	1.082	NO	1813	93.9	0.989	
185	1... 13C-PCB-104	1.40e6	1.54	NO	1.00	5.181	32.29	32.28	0.826	0.826	NO	1854	96.1	0.312	
186	1... 13C-PCB-95	1.03e6	1.56	NO	0.779	5.181	35.53	35.52	0.910	0.909	NO	1752	90.8	0.402	
187	1... 13C-PCB-101	1.16e6	1.59	NO	0.833	5.181	37.28	37.26	0.954	0.954	NO	1849	95.8	0.376	
188	1... 13C-PCB-97	9.44e5	1.58	NO	0.679	5.181	38.62	38.60	0.988	0.988	NO	1846	95.6	0.462	
189	1... 13C-PCB-123	1.38e6	1.57	NO	0.970	5.181	41.26	41.27	1.056	1.056	NO	1884	97.6	0.323	
190	1... 13C-PCB-118	1.40e6	1.58	NO	1.00	5.181	41.45	41.45	1.061	1.061	NO	1852	96.0	0.313	
191	1... 13C-PCB-114	1.12e6	1.61	NO	1.55	5.181	42.12	42.13	0.908	0.908	NO	1683	87.2	0.990	
192	1... 13C-PCB-105	1.15e6	1.63	NO	1.59	5.181	43.01	43.02	0.927	0.927	NO	1682	87.2	0.962	
193	1... 13C-PCB-127	1.21e6	1.59	NO	1.66	5.181	43.37	43.36	0.934	0.934	NO	1699	88.0	0.924	
194	1... 13C-PCB-126	1.10e6	1.59	NO	1.65	5.181	45.31	45.33	0.976	0.977	NO	1554	80.5	0.931	
195	1... 13C-PCB-155	1.27e6	1.28	NO	0.819	5.181	36.80	36.80	0.942	0.942	NO	2051	106	0.326	
196	1... 13C-PCB-153	1.04e6	1.26	NO	1.31	5.181	43.19	43.19	0.930	0.931	NO	1839	95.3	1.07	
197	1... 13C-PCB-141	8.62e5	1.29	NO	1.08	5.181	43.96	43.95	0.947	0.947	NO	1849	95.8	1.29	
198	1... 13C-PCB-138	9.03e5	1.25	NO	1.15	5.181	44.81	44.82	0.965	0.966	NO	1822	94.4	1.21	
199	1... 13C-PCB-159	1.13e6	1.29	NO	1.39	5.181	46.14	46.15	0.994	0.994	NO	1888	97.8	1.00	
200	2... 13C-PCB-167	1.17e6	1.26	NO	1.43	5.181	46.84	46.85	1.009	1.009	NO	1902	98.5	0.981	
201	2... 13C-PCB-156	1.10e6	1.28	NO	1.34	5.181	48.18	48.17	1.038	1.038	NO	1906	98.7	1.04	

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	2... 13C-PCB-157	1.11e6	1.26	NO	1.36	5.181	48.44	48.46	1.044	1.044	NO	1899	98.4	1.03	
203	2... 13C-PCB-169	1.10e6	1.26	NO	1.33	5.181	50.71	50.73	1.092	1.093	NO	1913	99.1	1.05	
204	2... 13C-PCB-188	9.81e5	0.45	NO	1.39	5.181	42.80	42.79	0.925	0.925	NO	1749	90.6	0.547	
205	2... 13C-PCB-180	7.01e5	0.45	NO	0.907	5.181	49.51	49.50	1.071	1.070	NO	1918	99.3	0.838	
206	2... 13C-PCB-170	6.51e5	0.45	NO	0.823	5.181	51.16	51.17	1.106	1.107	NO	1960	102	0.924	
207	2... 13C-PCB-189	8.22e5	0.46	NO	1.08	5.181	52.86	52.89	1.143	1.144	NO	1894	98.1	0.706	
208	2... 13C-PCB-202	1.10e6	0.91	NO	1.23	5.181	48.39	48.40	1.046	1.047	NO	2211	115	0.468	
209	2... 13C-PCB-194	6.45e5	0.90	NO	0.710	5.181	54.52	54.51	0.995	0.995	NO	1906	98.8	1.29	
210	2... 13C-PCB-208	8.65e5	0.77	NO	0.865	5.181	53.76	53.75	0.981	0.981	NO	2097	109	1.11	
211	2... 13C-PCB-206	5.66e5	0.80	NO	0.623	5.181	56.07	56.06	1.023	1.023	NO	1908	98.9	1.54	
212	2... 13C-PCB-209	7.32e5	1.16	NO	0.725	5.181	57.31	57.30	1.046	1.046	NO	2120	110	0.205	
213	2... 13C-PCB-15	2.25e6	1.57	NO	1.00	5.181	25.39	25.35	1.000	0.000	NO	1930	100	0.396	
214	2... 13C-PCB-31	1.75e6	1.04	NO	1.00	5.181	28.52	28.48	1.000	0.000	NO	1930	100	5.71	
215	2... 13C-PCB-60	1.59e6	0.78	NO	1.00	5.181	36.54	36.48	1.000	0.000	NO	1930	100	0.966	
216	2... 13C-PCB-111	1.45e6	1.58	NO	1.00	5.181	39.11	39.07	1.000	0.000	NO	1930	100	0.313	
217	2... 13C-PCB-128	8.30e5	1.25	NO	1.00	5.181	46.47	46.41	1.000	0.000	NO	1930	100	1.40	
218	2... 13C-PCB-182	7.79e5	0.45	NO	1.00	5.181	46.30	46.24	0.000	0.000	NO	1930	100	0.760	
219	2... 13C-PCB-205	9.20e5	0.92	NO	1.00	5.181	54.81	54.78	1.000	0.000	NO	1930	100	0.913	
220	2... 13C-PCB-79	1.54e6	0.78	NO	1.04	5.181	37.59	37.60	1.030	1.031	NO	1808	93.7	0.933	
221	2... 13C-PCB-178	6.55e5	0.43	NO	0.774	5.181	45.68	45.69	0.988	0.988	NO	1966	102	0.925	
222	2... 13C-PCB-79	1.54e6	0.78	NO	1.04	5.181	37.60	37.60	0.968	0.968	NO	1915	99.2	0.989	
223	2... 13C-PCB-178	6.54e5	0.43	NO	1.02	5.181	45.67	45.69	0.923	0.923	NO	1769	91.6	0.859	
224	2... Total Mono-PCBs				1.00	5.181	0.00		0.000		NO	34.57		0.823	34.57
225	2... Total Di-PCBs				1.04	5.181	0.00		0.000		NO	208.9		0.88	230.6
226	2... 2nd Function Tri-PCBs				0.943	5.181	0.00		0.000		NO	233.3		1.74	233.3
227	2... 3rd Function Tri-PCBs				0.969	5.181	0.00		0.000		NO	684.8		4.50	684.8
228	2... Total Tetra-PCBs				0.991	5.181	0.00		0.000		NO	2712		8.98	2723
229	2... 3rd Function Penta-PCBs				1.11	5.181	0.00		0.000		NO	3167		7.48	3175
230	2... 4th Function Penta-PCBs				1.05	5.181	0.00		0.000		NO	186.0		2.66	186.0
231	2... 3rd Function Hexa-PCBs				0.791	5.181	0.00		0.000		NO	1107		7.55	1118
232	2... 4th Function Hexa-PCBs				0.946	5.181	0.00		0.000		NO	2305		6.98	2308
233	2... Total Hepta-PCBs				1.20	5.181	0.00		0.000		NO	1817		8.11	1839
234	2... 4th Function Octa-PCBs				0.860	5.181	0.00		0.000		NO	293.0		7.58	312.5
235	2... 5th Function Octa-PCBs				1.10	5.181	0.00		0.000		NO	148.6		1.69	148.6

Handwritten notes and corrections in the table:

- Row 226: 233.3 → 918.1
- Row 227: 684.8 → 918.1
- Row 229: 3167 → 3353
- Row 231: 1107 → 3412
- Row 234: 293.0 → 441.6
- Row 235: 148.6 → 461.1

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	2... Total Nona-PCBs				0.887	5.181	0.00		0.000		NO	107.1		0.988	107.1
237	2... Deca-CB				0.863	5.181	0.00		0.000		NO	108.7		0.143	108.7
238	2... Total PCBs														

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

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**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.42	15.43	1.216e5	4.239e4	7.513e3	2.555e3	2.94	NO	1.007e4	9.5483	9.5483	0.205
2	PCB-2	17.82	17.83	1.628e5	5.803e4	9.619e3	3.280e3	2.93	NO	1.290e4	12.063	12.063	0.207
3	PCB-3	18.04	18.06	1.690e5	5.296e4	1.037e4	3.225e3	3.21	NO	1.359e4	12.958	12.958	0.211

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.46	19.40	1.444e5	1.211e5	9.744e3	9.249e3	1.05	YES	1.899e4	0.00000	21.734	1.55
2	PCB-6	21.89	21.89	1.186e5	7.533e4	7.124e3	4.691e3	1.52	NO	1.181e4	11.534	11.534	1.15
3	PCB-5/8	22.30	22.30	4.833e5	3.119e5	3.011e4	1.935e4	1.56	NO	4.946e4	49.300	49.300	1.18
4	PCB-11	24.66	24.66	7.945e5	5.217e5	5.119e4	3.424e4	1.50	NO	8.542e4	75.333	75.333	1.11
5	PCB-12/13	25.09	25.02	1.042e5	7.404e4	8.057e3	5.755e3	1.40	NO	1.381e4	13.342	13.342	1.22
6	PCB-15	25.37	25.37	5.511e5	3.610e5	3.689e4	2.444e4	1.51	NO	6.133e4	59.358	59.358	1.22

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.63	23.63	1.015e5	1.006e5	6.947e3	6.836e3	1.02	NO	1.378e4	24.661	24.661	0.353
2	PCB-18	25.30	25.29	4.518e5	4.455e5	2.825e4	2.805e4	1.01	NO	5.631e4	87.051	87.051	0.305
3	PCB-17	25.47	25.46	2.381e5	2.458e5	1.591e4	1.605e4	0.99	NO	3.196e4	52.918	52.918	0.327
4	PCB-24/27	26.05	26.04	5.316e4	5.394e4	3.913e3	3.922e3	1.00	NO	7.835e3	9.3461	9.3461	0.235
5	PCB-16/32	26.60	26.59	2.361e5	2.260e5	2.251e4	2.146e4	1.05	NO	4.397e4	59.316	59.316	0.266

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3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.39	27.40	1.481e4	1.392e4	1.171e3	1.196e3	0.98	NO	2.366e3	2.6421	2.6421	0.342
2	PCB-29	27.74	27.76	6.561e3	5.804e3	5.157e2	4.737e2	1.09	NO	9.894e2	1.1257	1.1257	0.349
3	PCB-26	27.97	27.96	2.126e5	2.042e5	1.680e4	1.575e4	1.07	NO	3.255e4	34.876	34.876	0.329
4	PCB-25	28.13	28.13	1.272e5	1.254e5	9.913e3	9.479e3	1.05	NO	1.939e4	20.760	20.760	0.328
5	PCB-31	28.49	28.50	1.206e6	1.139e6	9.511e4	9.055e4	1.05	NO	1.857e5	176.60	176.60	0.292
6	PCB-28	28.59	28.59	1.448e6	1.439e6	1.090e5	1.058e5	1.03	NO	2.147e5	207.44	207.44	0.296
7	PCB-20/21/33	29.23	29.26	5.742e5	5.181e5	4.641e4	4.311e4	1.08	NO	8.952e4	96.110	96.110	0.329
8	PCB-22	29.67	29.69	3.666e5	3.464e5	2.756e4	2.597e4	1.06	NO	5.354e4	55.343	55.343	0.317
9	PCB-36	30.35	30.32	7.063e3	7.712e3	6.067e2	6.355e2	0.95	NO	1.242e3	1.2735	1.2735	0.306
10	PCB-39	30.83	30.81	9.278e3	8.077e3	7.060e2	7.094e2	1.00	NO	1.415e3	1.5451	1.5451	0.326
11	PCB-38	31.62	31.63	2.140e4	1.887e4	1.895e3	1.692e3	1.12	NO	3.587e3	3.7417	3.7417	0.312
12	PCB-35	32.16	32.17	2.878e4	3.100e4	2.374e3	2.286e3	1.04	NO	4.659e3	4.8767	4.8767	0.313
13	PCB-37	32.60	32.59	4.590e5	4.500e5	3.719e4	3.645e4	1.02	NO	7.364e4	78.462	78.462	0.318

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ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.44	27.46	2.145e4	3.394e4	1.739e3	2.747e3	0.63	YES	4.486e3	0.00000	5.6145	0.244
2	PCB-50	28.64	28.65	5.175e3	8.165e3	4.006e2	7.240e2	0.55	YES	1.125e3	0.00000	1.5697	0.296
3	PCB-53	29.30	29.32	1.400e5	1.726e5	1.053e4	1.335e4	0.79	NO	2.388e4	41.280	41.280	0.320
4	PCB-51	29.66	29.67	7.979e4	1.153e5	6.201e3	8.688e3	0.71	NO	1.489e4	24.176	24.176	0.301
5	PCB-45	30.11	30.12	7.931e4	1.086e5	6.464e3	8.368e3	0.77	NO	1.483e4	29.997	29.997	0.375
6	PCB-46	30.61	30.60	3.353e4	4.724e4	2.686e3	3.561e3	0.75	NO	6.247e3	13.161	13.161	0.390
7	PCB-52/69	31.11	31.11	1.219e6	1.625e6	9.757e4	1.306e5	0.75	NO	2.282e5	342.26	342.26	0.278
8	PCB-73	31.22	31.22	7.368e3	9.883e3	4.137e2	5.640e2	0.73	NO	9.777e2	1.2148	1.2148	0.230
9	PCB-43/49	31.39	31.40	7.800e5	1.056e6	6.576e4	8.776e4	0.75	NO	1.535e5	269.37	269.37	0.325
10	PCB-47	31.63	31.63	4.023e5	5.262e5	3.439e4	4.467e4	0.77	NO	7.906e4	141.46	141.46	0.347
11	PCB-48/75	31.76	31.76	1.622e5	2.101e5	1.333e4	1.690e4	0.79	NO	3.023e4	44.958	44.958	0.288
12	PCB-44	32.46	32.44	7.290e5	9.371e5	5.465e4	7.061e4	0.77	NO	1.253e5	255.21	255.21	0.395
13	PCB-42/59	32.69	32.67	2.878e5	3.741e5	2.287e4	2.990e4	0.76	NO	5.277e4	83.557	83.557	0.307
14	PCB-41/64/71/72	33.29	33.26	8.685e5	1.176e6	7.404e4	9.827e4	0.75	NO	1.723e5	238.29	238.29	0.268
15	PCB-68	33.56	33.54	2.524e4	3.826e4	2.066e3	3.125e3	0.66	NO	5.191e3	6.7382	6.7382	0.252
16	PCB-40	33.79	33.75	1.011e5	1.365e5	7.549e3	1.041e4	0.73	NO	1.796e4	48.421	48.421	0.523
17	PCB-57	34.12	34.12	9.923e3	1.397e4	7.705e2	1.086e3	0.71	NO	1.857e3	2.2510	2.2510	0.223
18	PCB-67	34.43	34.44	4.080e4	5.060e4	3.129e3	4.093e3	0.76	NO	7.222e3	9.2777	9.2777	0.236
19	PCB-58	34.55	34.57	1.062e4	1.462e4	8.690e2	1.144e3	0.76	NO	2.013e3	2.4293	2.4293	0.222
20	PCB-63	34.72	34.73	5.699e4	6.896e4	4.360e3	5.458e3	0.80	NO	9.817e3	13.201	13.201	0.247
21	PCB-74	35.02	35.01	7.156e5	9.335e5	5.632e4	7.312e4	0.77	NO	1.294e5	155.37	155.37	0.221
22	PCB-61/70	35.24	35.24	1.754e6	2.298e6	1.380e5	1.809e5	0.76	NO	3.189e5	425.63	425.63	0.245
23	PCB-76/66	35.41	35.44	1.395e6	1.886e6	1.147e5	1.557e5	0.74	NO	2.705e5	329.64	329.64	0.224
24	PCB-55	36.00	35.98	1.909e4	2.203e4	1.534e3	2.062e3	0.74	NO	3.596e3	4.1929	4.1929	0.223
25	PCB-56/60	36.51	36.50	7.483e5	1.010e6	5.956e4	8.040e4	0.74	NO	1.400e5	183.73	183.73	0.251
26	PCB-79	37.61	37.64	3.793e4	4.639e4	3.302e3	4.079e3	0.81	NO	7.381e3	8.6531	8.6531	0.224
27	PCB-78	38.33	38.27	6.292e3	6.515e3	6.221e2	6.728e2	0.92	YES	1.295e3	0.00000	1.5304	0.242
28	PCB-81	38.87	38.90	2.170e4	2.786e4	8.060e2	9.056e2	0.89	YES	1.712e3	0.00000	2.2031	0.259
29	PCB-77	39.48	39.48	1.391e5	1.911e5	1.262e4	1.672e4	0.76	NO	2.934e4	37.691	37.691	0.252

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ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.30	32.32	2.735e3	4.310e3	3.535e2	4.152e2	0.85	YES	7.687e2	0.00000	0.81270	0.207
2	PCB-96	33.59	33.58	2.730e4	1.579e4	2.145e3	1.309e3	1.64	NO	3.454e3	4.8349	4.8349	0.207
3	PCB-103	34.15	34.14	6.539e4	4.033e4	5.016e3	3.293e3	1.52	NO	8.309e3	14.850	14.850	0.264
4	PCB-100	34.52	34.51	4.833e4	3.658e4	4.091e3	2.577e3	1.59	NO	6.668e3	11.397	11.397	0.253
5	PCB-94	34.98	34.99	1.640e4	1.090e4	1.307e3	8.567e2	1.53	NO	2.164e3	4.8870	4.8870	0.364
6	PCB-95/98/102	35.47	35.55	1.649e6	1.043e6	1.351e5	8.644e4	1.56	NO	2.215e5	388.16	388.16	0.282
7	PCB-88/91	35.94	35.96	3.312e5	2.046e5	2.560e4	1.610e4	1.59	NO	4.169e4	85.930	85.930	0.332
8	PCB-84/92	36.90	36.89	9.318e5	6.042e5	7.345e4	4.755e4	1.54	NO	1.210e5	243.77	243.77	0.316
9	PCB-89	37.07	37.08	1.652e4	1.266e4	1.240e3	9.805e2	1.26	YES	2.220e3	0.00000	3.8233	0.295
10	PCB-90/101	37.28	37.28	2.492e6	1.613e6	2.053e5	1.334e5	1.54	NO	3.387e5	622.71	622.71	0.288
11	PCB-113	37.53	37.53	2.544e4	1.750e4	7.483e2	5.537e2	1.35	NO	1.302e3	1.7209	1.7209	0.207
12	PCB-99	37.62	37.64	1.147e6	7.574e5	9.442e4	6.168e4	1.53	NO	1.561e5	261.44	261.44	0.263
13	PCB-119	38.10	38.10	1.327e5	8.298e4	1.033e4	6.527e3	1.58	NO	1.686e4	22.515	22.515	0.211
14	PCB-108/112	38.26	38.27	9.539e4	5.363e4	7.523e3	4.370e3	1.72	NO	1.189e4	19.513	19.513	0.259
15	PCB-97	38.62	38.62	5.240e5	3.372e5	4.368e4	2.769e4	1.58	NO	7.137e4	129.82	129.82	0.287
16	PCB-87/117/125	38.91	38.92	7.495e5	4.952e5	5.955e4	3.948e4	1.51	NO	9.903e4	151.07	151.07	0.241
17	PCB-111/115	39.07	39.07	4.109e4	2.834e4	3.001e3	2.138e3	1.40	NO	5.139e3	6.4977	6.4977	0.200
18	PCB-85/116	39.20	39.18	3.250e5	2.083e5	2.708e4	1.733e4	1.56	NO	4.441e4	73.681	73.681	0.262
19	PCB-120	39.46	39.46	2.587e4	1.412e4	2.120e3	1.143e3	1.85	YES	3.263e3	0.00000	3.3377	0.180
20	PCB-110	39.61	39.61	3.063e6	1.891e6	2.493e5	1.560e5	1.60	NO	4.053e5	552.46	552.46	0.215
21	PCB-82	40.27	40.24	1.791e5	1.075e5	1.460e4	8.830e3	1.65	NO	2.343e4	51.504	51.504	0.361
22	PCB-124	40.98	40.95	8.790e4	5.167e4	8.487e3	5.432e3	1.56	NO	1.392e4	18.092	18.092	0.214
23	PCB-107/109	41.12	41.14	2.058e5	1.417e5	1.815e4	1.225e4	1.48	NO	3.040e4	38.438	38.438	0.208
24	PCB-123	41.29	41.28	3.692e4	2.032e4	2.853e3	1.666e3	1.71	NO	4.519e3	6.3316	6.3316	0.230
25	PCB-106/118	41.49	41.47	2.491e6	1.616e6	2.064e5	1.322e5	1.56	NO	3.386e5	457.47	457.47	0.217



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## 4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.15	42.13	4.257e4	2.785e4	4.226e3	2.520e3	1.68	NO	6.746e3	10.731	10.731	0.510
2	PCB-122	42.30	42.28	2.003e4	1.448e4	1.640e3	1.102e3	1.49	NO	2.742e3	5.0827	5.0827	0.594
3	PCB-105	43.04	43.04	7.508e5	4.654e5	6.367e4	3.954e4	1.61	NO	1.032e5	167.25	167.25	0.546
4	PCB-126	45.35	45.35	1.375e4	8.654e3	1.169e3	7.616e2	1.54	NO	1.931e3	2.9471	2.9471	0.517

## 3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.82	36.80	1.419e3	1.893e3	1.322e2	1.494e2	0.88	YES	2.816e2	0.00000	0.42694	0.108
2	PCB-150	38.12	38.12	1.808e4	1.139e4	1.448e3	9.792e2	1.48	YES	2.427e3	0.00000	3.5800	0.0988
3	PCB-152	38.62	38.60	5.758e3	2.732e3	4.288e2	1.945e2	2.21	YES	6.233e2	0.00000	0.65234	0.0906
4	PCB-136	39.40	39.41	4.472e5	3.575e5	3.651e4	2.892e4	1.26	NO	6.543e4	113.23	113.23	0.105
5	PCB-148	39.53	39.50	1.196e4	1.172e4	6.638e2	5.835e2	1.14	NO	1.247e3	2.8552	2.8552	0.139
6	PCB-154	40.03	40.02	7.555e4	5.788e4	6.305e3	4.845e3	1.30	NO	1.115e4	23.590	23.590	0.128
7	PCB-151	40.70	40.69	5.969e5	4.594e5	4.874e4	3.761e4	1.30	NO	8.635e4	195.31	195.31	0.137
8	PCB-135	40.93	40.91	3.272e5	2.504e5	2.834e4	2.213e4	1.28	NO	5.047e4	106.44	106.44	0.128
9	PCB-144	41.02	41.02	9.951e4	7.778e4	6.609e3	5.188e3	1.27	NO	1.180e4	26.014	26.014	0.133
10	PCB-147	41.16	41.15	6.199e4	4.677e4	5.273e3	3.959e3	1.33	NO	9.231e3	19.746	19.746	0.129
11	PCB-139/149	41.44	41.41	2.203e6	1.730e6	1.765e5	1.380e5	1.28	NO	3.145e5	620.26	620.26	0.119
12	PCB-140	41.64	41.62	2.020e4	2.075e4	1.511e3	1.608e3	0.94	YES	3.119e3	0.00000	6.3808	0.141

**Quantify Totals Report MassLynx 4.1 SCN815**

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**ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate**

**4th Function Hexa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.07	42.09	9.123e4	7.150e4	7.575e3	5.960e3	1.27	NO	1.354e4	35.083	35.083	0.441
2	PCB-131/133	42.40	42.38	6.861e4	5.472e4	5.675e3	4.370e3	1.30	NO	1.005e4	24.342	24.342	0.413
3	PCB-142	42.55	42.51	2.772e3	3.713e3	2.142e2	3.107e2	0.69	YES	5.248e2	0.00000	1.0474	0.461
4	PCB-146/165	42.79	42.79	4.809e5	3.887e5	3.943e4	3.182e4	1.24	NO	7.125e4	140.50	140.50	0.336
5	PCB-132/161	43.04	43.06	6.226e5	5.091e5	4.952e4	4.093e4	1.21	NO	9.045e4	175.80	175.80	0.331
6	PCB-153	43.23	43.21	2.659e6	2.095e6	2.196e5	1.739e5	1.26	NO	3.935e5	739.34	739.34	0.320
7	PCB-168	43.44	43.42	5.995e3	3.916e3	5.181e2	3.806e2	1.36	NO	8.987e2	1.6153	1.6153	0.306
8	PCB-141	43.97	43.97	3.846e5	3.071e5	3.148e4	2.565e4	1.23	NO	5.713e4	134.98	134.98	0.391
9	PCB-137	44.34	44.37	7.463e4	6.063e4	5.812e3	4.913e3	1.18	NO	1.073e4	24.939	24.939	0.385
10	PCB-130	44.46	44.46	1.322e5	1.025e5	1.081e4	8.388e3	1.29	NO	1.919e4	52.673	52.673	0.454
11	PCB-138/163/164	44.88	44.84	2.172e6	1.775e6	2.117e5	1.705e5	1.24	NO	3.822e5	708.25	708.25	0.316
12	PCB-158/160	45.12	45.09	2.344e5	1.866e5	1.983e4	1.594e4	1.24	NO	3.576e4	67.204	67.204	0.320
13	PCB-129	45.37	45.35	5.752e4	4.292e4	4.904e3	3.602e3	1.36	NO	8.506e3	22.548	22.548	0.452
14	PCB-166	45.83	45.82	8.720e3	5.614e3	7.183e2	4.755e2	1.51	YES	1.194e3	0.00000	1.7623	0.280
15	PCB-128/162	46.46	46.43	2.645e5	2.189e5	2.348e4	1.873e4	1.25	NO	4.221e4	86.132	86.132	0.345
16	PCB-167	46.87	46.87	9.065e4	7.340e4	7.624e3	6.074e3	1.26	NO	1.370e4	23.617	23.617	0.290
17	PCB-156	48.19	48.19	2.193e5	1.793e5	1.852e4	1.564e4	1.18	NO	3.416e4	56.567	56.567	0.277
18	PCB-157	48.48	48.48	4.077e4	3.404e4	3.562e3	2.838e3	1.26	NO	6.401e3	11.602	11.602	0.306

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ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	42.83	42.81	2.819e3	2.511e3	2.641e2	2.069e2	1.28	YES	4.710e2	0.00000	0.72597	0.287
2	PCB-184	43.28	43.29	1.955e3	3.918e3	1.848e2	2.570e2	0.72	YES	4.418e2	0.00000	0.62281	0.289
3	PCB-179	44.08	44.08	3.806e5	3.715e5	3.087e4	2.968e4	1.04	NO	6.055e4	110.88	110.88	0.307
4	PCB-176	44.55	44.56	1.005e5	9.541e4	8.700e3	8.124e3	1.07	NO	1.682e4	29.750	29.750	0.296
5	PCB-186	45.18	45.18	1.493e3	1.574e3	1.539e2	1.530e2	1.01	NO	3.069e2	0.49052	0.49052	0.268
6	PCB-178	45.71	45.71	1.216e5	1.288e5	1.018e4	1.049e4	0.97	NO	2.067e4	49.007	49.007	0.397
7	PCB-175	46.05	46.07	2.033e4	2.486e4	1.673e3	2.028e3	0.82	YES	3.701e3	0.00000	7.5358	0.387
8	PCB-182/187	46.24	46.22	8.141e5	8.225e5	6.926e4	6.825e4	1.01	NO	1.375e5	287.35	287.35	0.350
9	PCB-183	46.56	46.58	3.387e5	3.313e5	2.926e4	2.737e4	1.07	NO	5.664e4	122.47	122.47	0.362
10	PCB-185	47.24	47.25	6.970e4	6.787e4	5.723e3	5.547e3	1.03	NO	1.127e4	25.043	25.043	0.393
11	PCB-174	47.62	47.62	6.117e5	6.071e5	5.069e4	5.116e4	0.99	NO	1.019e5	233.90	233.90	0.406
12	PCB-181	47.72	47.72	3.610e4	3.932e4	1.744e3	1.824e3	0.96	NO	3.568e3	7.3833	7.3833	0.366
13	PCB-177	47.91	47.91	3.386e5	3.173e5	2.796e4	2.660e4	1.05	NO	5.456e4	131.56	131.56	0.426
14	PCB-171	48.20	48.21	1.350e5	1.363e5	1.181e4	1.200e4	0.98	NO	2.381e4	53.815	53.815	0.399
15	PCB-173	48.65	48.65	1.022e4	1.159e4	9.443e2	8.848e2	1.07	NO	1.829e3	4.7142	4.7142	0.456
16	PCB-172	49.10	49.12	8.500e4	8.797e4	6.971e3	7.748e3	0.90	NO	1.472e4	32.218	32.218	0.387
17	PCB-180	49.52	49.54	1.311e6	1.282e6	1.121e5	1.098e5	1.02	NO	2.218e5	469.06	469.06	0.374
18	PCB-193	49.72	49.75	7.726e4	8.250e4	6.643e3	7.015e3	0.95	NO	1.366e4	25.542	25.542	0.331
19	PCB-191	49.99	49.99	2.688e4	2.079e4	2.261e3	1.793e3	1.26	YES	4.054e3	0.00000	6.7169	0.323
20	PCB-170	51.19	51.19	4.757e5	4.750e5	4.048e4	3.964e4	1.02	NO	8.012e4	193.09	193.09	0.417
21	PCB-190	51.40	51.39	1.295e5	1.372e5	1.063e4	1.122e4	0.95	NO	2.185e4	40.266	40.266	0.319
22	PCB-189	52.91	52.89	2.830e4	2.321e4	2.119e3	1.747e3	1.21	YES	3.866e3	0.00000	6.6131	0.271

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4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.44	48.42	7.815e4	8.764e4	6.224e3	7.234e3	0.86	NO	1.346e4	23.769	23.769	0.168
2	PCB-201	48.91	48.91	5.148e4	4.975e4	4.199e3	4.085e3	1.03	YES	8.284e3	0.00000	15.004	0.185
3	PCB-204	49.06	49.06	1.255e3	1.374e3	1.216e2	1.069e2	1.14	YES	2.285e2	0.00000	0.37174	0.175
4	PCB-197	49.38	49.39	1.450e4	1.355e4	1.241e3	1.213e3	1.02	YES	2.454e3	0.00000	4.1768	0.174
5	PCB-200	50.31	50.33	4.367e4	5.175e4	3.725e3	4.509e3	0.83	NO	8.235e3	15.875	15.875	0.184
6	PCB-198	51.87	51.89	1.705e4	1.844e4	1.233e3	1.387e3	0.89	NO	2.620e3	6.6147	6.6147	0.240
7	PCB-199	52.00	52.00	2.962e5	3.309e5	2.298e4	2.555e4	0.90	NO	4.853e4	120.76	120.76	0.237
8	PCB-196/203	52.30	52.32	3.239e5	3.739e5	2.509e4	2.901e4	0.86	NO	5.409e4	125.96	125.96	0.222

5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.61	53.60	1.020e5	1.224e5	6.790e3	7.670e3	0.89	NO	1.446e4	45.202	45.202	0.636
2	PCB-194	54.52	54.52	2.903e5	3.053e5	1.666e4	1.802e4	0.92	NO	3.468e4	97.854	97.854	0.574
3	PCB-205	54.80	54.80	2.018e4	1.679e4	1.139e3	1.211e3	0.94	NO	2.350e3	5.5424	5.5424	0.480

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.76	53.76	8.253e4	6.529e4	5.109e3	3.891e3	1.31	NO	9.000e3	23.341	23.341	0.293
2	PCB-207	54.10	54.10	4.081e4	2.697e4	2.483e3	1.670e3	1.49	NO	4.153e3	10.913	10.913	0.297
3	PCB-206	56.07	56.07	1.907e5	1.394e5	1.162e4	8.714e3	1.33	NO	2.033e4	72.860	72.860	0.398

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.30	57.32	3.234e5	2.849e5	1.874e4	1.681e4	1.11	NO	3.556e4	108.67	108.67	0.143

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

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## Total Mono-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.42	15.41	2.651e7	8.542e6	1.558e6	5.065e5	3.08	NO	2.065e6	1887.2		2.38
2	13C-PCB-3	18.04	18.03	2.552e7	8.048e6	1.535e6	4.845e5	3.17	NO	2.019e6	1852.5		2.39

## Total Di-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.39	19.38	1.208e7	7.796e6	7.190e5	4.572e5	1.57	NO	1.176e6	1680.7		0.661
2	13C-PCB-9	21.20	21.19	1.968e7	1.250e7	1.213e6	7.719e5	1.57	NO	1.985e6	1771.0		0.413
3	13C-PCB-11	24.63	24.64	1.827e7	1.155e7	1.203e6	7.584e5	1.59	NO	1.961e6	1807.7		0.426
4	13C-PCB-15	25.39	25.35	2.075e7	1.323e7	1.377e6	8.764e5	1.57	NO	2.254e6	1930.2		0.396

## 2nd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.60	23.60	8.564e6	8.650e6	5.539e5	5.559e5	1.00	NO	1.110e6	1876.7		8.14
2	13C-PCB-32	26.58	26.58	1.352e7	1.308e7	8.753e5	8.602e5	1.02	NO	1.735e6	2014.1		5.58

## 3rd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.48	1.234e7	1.197e7	8.927e5	8.613e5	1.04	NO	1.754e6	1930.2		5.71
2	13C-PCB-28	28.59	28.58	1.253e7	1.214e7	1.004e6	9.654e5	1.04	NO	1.970e6	2046.0		5.39
3	13C-PCB-37	32.57	32.58	1.144e7	1.110e7	8.933e5	8.691e5	1.03	NO	1.762e6	1981.6		5.83

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**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.41	27.42	8.351e6	1.065e7	6.171e5	7.936e5	0.78	NO	1.411e6	1745.0		0.985
2	13C-PCB-52	31.07	31.07	6.537e6	8.536e6	5.149e5	6.744e5	0.76	NO	1.189e6	1835.5		1.23
3	13C-PCB-47	31.58	31.61	6.656e6	8.494e6	5.489e5	7.019e5	0.78	NO	1.251e6	1822.9		1.16
4	13C-PCB-70	35.21	35.22	8.261e6	1.063e7	6.461e5	8.325e5	0.78	NO	1.479e6	1829.0		0.985
5	13C-PCB-80	35.64	35.65	8.472e6	1.067e7	6.888e5	8.660e5	0.80	NO	1.555e6	1861.3		0.953
6	13C-PCB-60	36.54	36.48	8.718e6	1.123e7	6.976e5	8.927e5	0.78	NO	1.590e6	1930.2		0.966
7	13C-PCB-79	37.59	37.60	8.177e6	1.042e7	6.761e5	8.672e5	0.78	NO	1.543e6	1808.3		0.933
8	13C-PCB-81	38.84	38.85	8.122e6	1.039e7	6.506e5	8.427e5	0.77	NO	1.493e6	1821.7		0.971
9	13C-PCB-77	39.46	39.46	7.614e6	9.921e6	6.357e5	8.235e5	0.77	NO	1.459e6	1813.0		0.989

**3rd Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.28	1.142e7	7.443e6	8.513e5	5.522e5	1.54	NO	1.404e6	1854.3		0.312
2	13C-PCB-95	35.53	35.52	7.721e6	5.015e6	6.264e5	4.025e5	1.56	NO	1.029e6	1752.2		0.402
3	13C-PCB-101	37.28	37.26	9.004e6	5.676e6	7.117e5	4.485e5	1.59	NO	1.160e6	1848.7		0.376
4	13C-PCB-97	38.62	38.60	7.272e6	4.585e6	5.787e5	3.658e5	1.58	NO	9.445e5	1845.6		0.462
5	13C-PCB-111	39.11	39.07	1.093e7	6.869e6	8.913e5	5.633e5	1.58	NO	1.455e6	1930.2		0.313
6	13C-PCB-123	41.26	41.27	1.017e7	6.545e6	8.420e5	5.349e5	1.57	NO	1.377e6	1883.6		0.323
7	13C-PCB-118	41.45	41.45	1.058e7	6.731e6	8.566e5	5.407e5	1.58	NO	1.397e6	1852.3		0.313

**4th Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.12	42.13	8.489e6	5.200e6	6.901e5	4.294e5	1.61	NO	1.120e6	1682.8		0.990
2	13C-PCB-105	43.01	43.02	8.357e6	5.150e6	7.138e5	4.376e5	1.63	NO	1.151e6	1682.3		0.962
3	13C-PCB-127	43.37	43.36	8.885e6	5.646e6	7.434e5	4.672e5	1.59	NO	1.211e6	1698.5		0.924
4	13C-PCB-126	45.31	45.33	7.859e6	4.884e6	6.750e5	4.240e5	1.59	NO	1.099e6	1554.0		0.931

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4th Function Hexa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.19	43.19	6.843e6	5.425e6	5.787e5	4.590e5	1.26	NO	1.038e6	1838.7		1.07
2	13C-PCB-141	43.96	43.95	5.895e6	4.571e6	4.849e5	3.767e5	1.29	NO	8.615e5	1849.3		1.29
3	13C-PCB-138	44.81	44.82	5.924e6	4.720e6	5.016e5	4.010e5	1.25	NO	9.027e5	1822.0		1.21
4	13C-PCB-159	46.14	46.15	7.589e6	5.866e6	6.377e5	4.937e5	1.29	NO	1.131e6	1888.2		1.00
5	13C-PCB-128	46.47	46.41	5.543e6	4.489e6	4.608e5	3.690e5	1.25	NO	8.298e5	1930.2		1.40
6	13C-PCB-167	46.84	46.85	7.798e6	6.204e6	6.505e5	5.153e5	1.26	NO	1.166e6	1901.6		0.981
7	13C-PCB-156	48.18	48.17	7.407e6	5.753e6	6.160e5	4.809e5	1.28	NO	1.097e6	1905.7		1.04
8	13C-PCB-157	48.44	48.46	7.383e6	5.923e6	6.193e5	4.902e5	1.26	NO	1.109e6	1899.0		1.03
9	13C-PCB-169	50.71	50.73	7.054e6	5.621e6	6.102e5	4.852e5	1.26	NO	1.095e6	1913.2		1.05

5th Function Octa-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.52	54.51	5.228e6	5.810e6	3.058e5	3.392e5	0.90	NO	6.450e5	1906.3		1.29
2	13C-PCB-205	54.81	54.78	7.568e6	8.219e6	4.413e5	4.786e5	0.92	NO	9.199e5	1930.2		0.913

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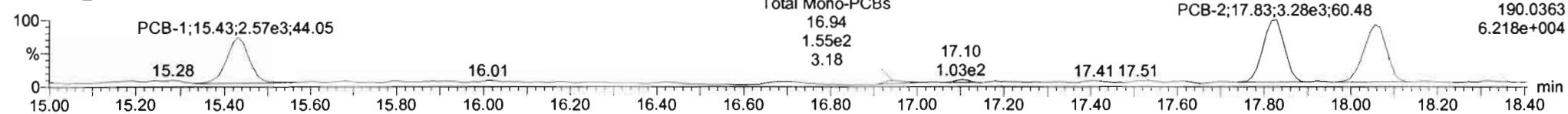
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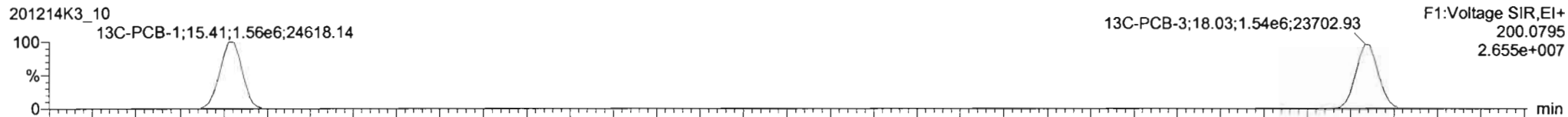
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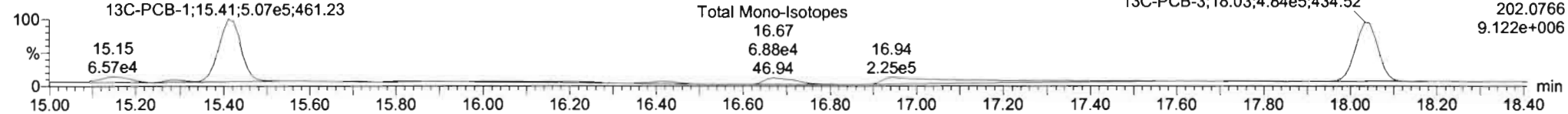
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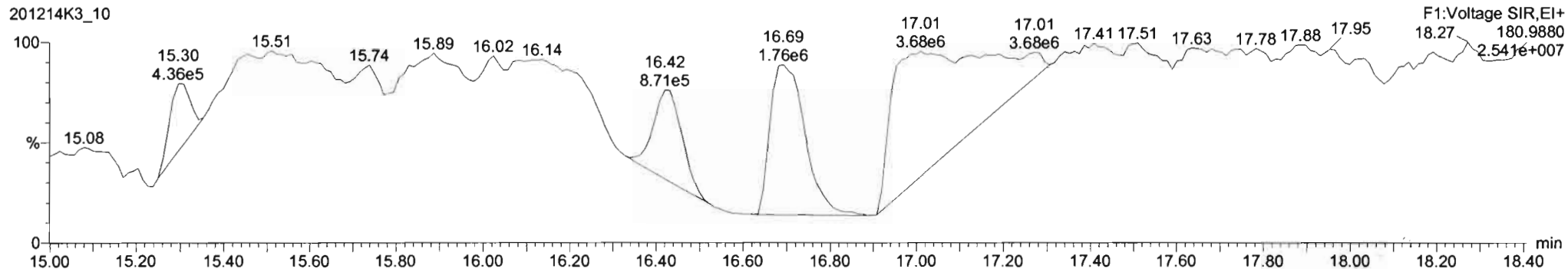
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**13C-PCB-1**



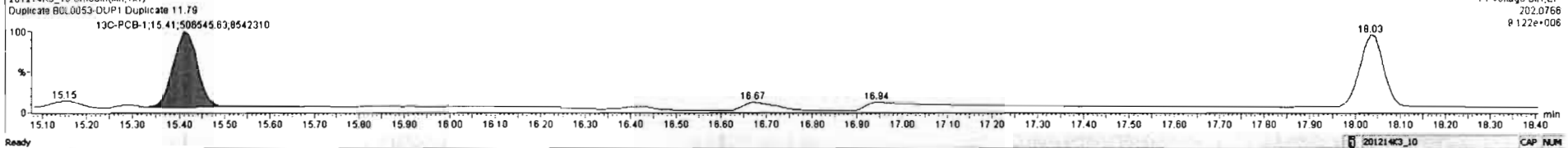
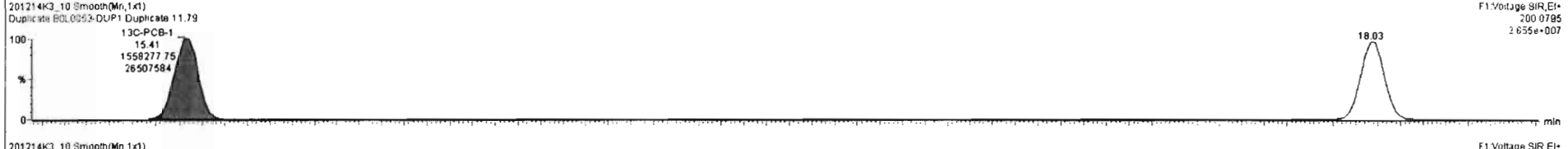
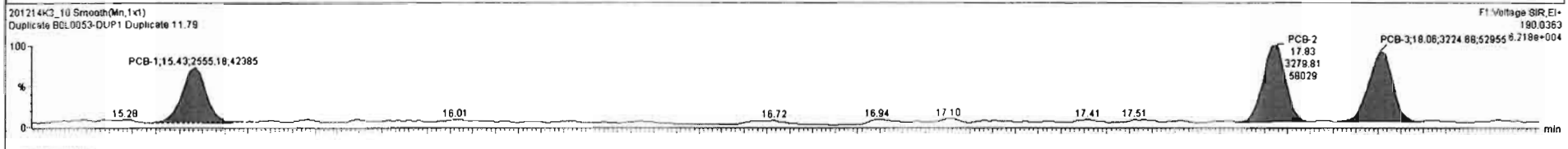
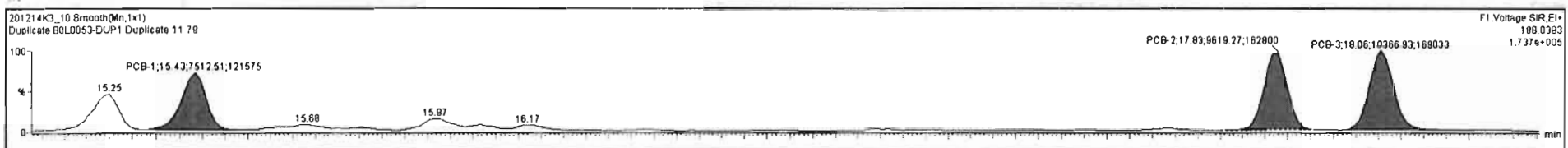
**PFK1**





#	Name	Resp	RA	nVj	RFR	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
221	13C-PCB-178	6.55e5	0.43	NO	0.7744	5.181	45.88	45.89	0.988	0.988	NO	1968	102	0.925	
222	13C-PCB-79	1.54e6	0.78	NO	1.0415	5.181	37.80	37.60	0.968	0.968	NO	1915	89.2	0.989	
223	13C-PCB-178	6.54e5	0.43	NO	1.0180	5.181	45.87	45.89	0.923	0.923	NO	1789	81.6	0.858	
224	Total Mono-PCBs				1.0034	5.181	0.00		0.000		NO	34.57		0.823	34.57

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nVj	EMPC	Conc
1	PCB-1	15.42	15.43	7.513e3	2.555e3	3.130	2.94	NO	9.5483	9.5483
2	PCB-2	17.82	17.83	9.819e3	3.280e3	3.130	2.93	NO	12.063	12.063
3	PCB-3	18.04	18.06	1.037e4	3.225e3	3.130	3.21	NO	12.958	12.958



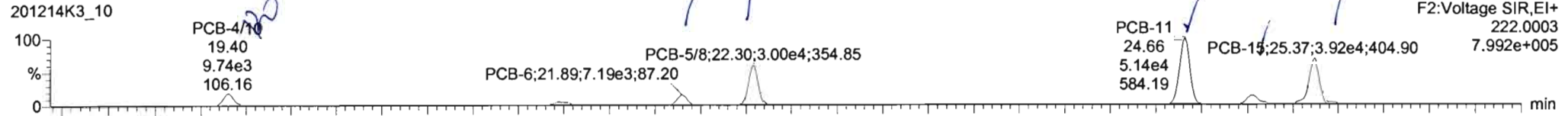
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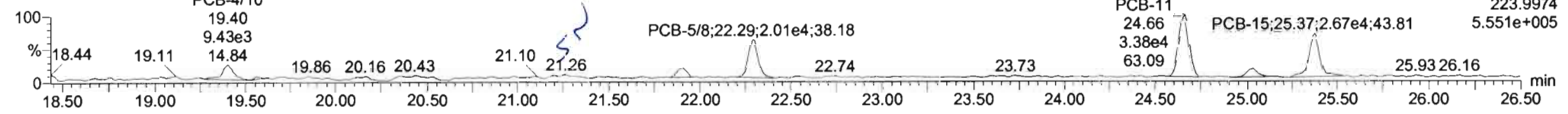
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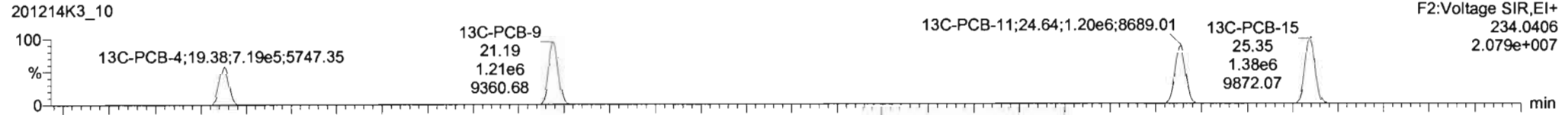
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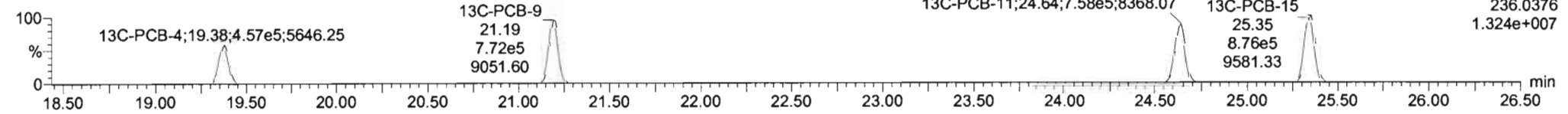
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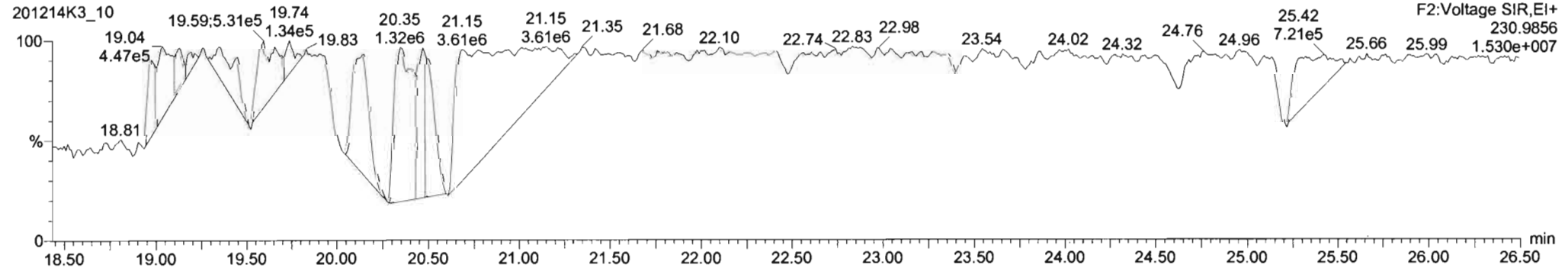
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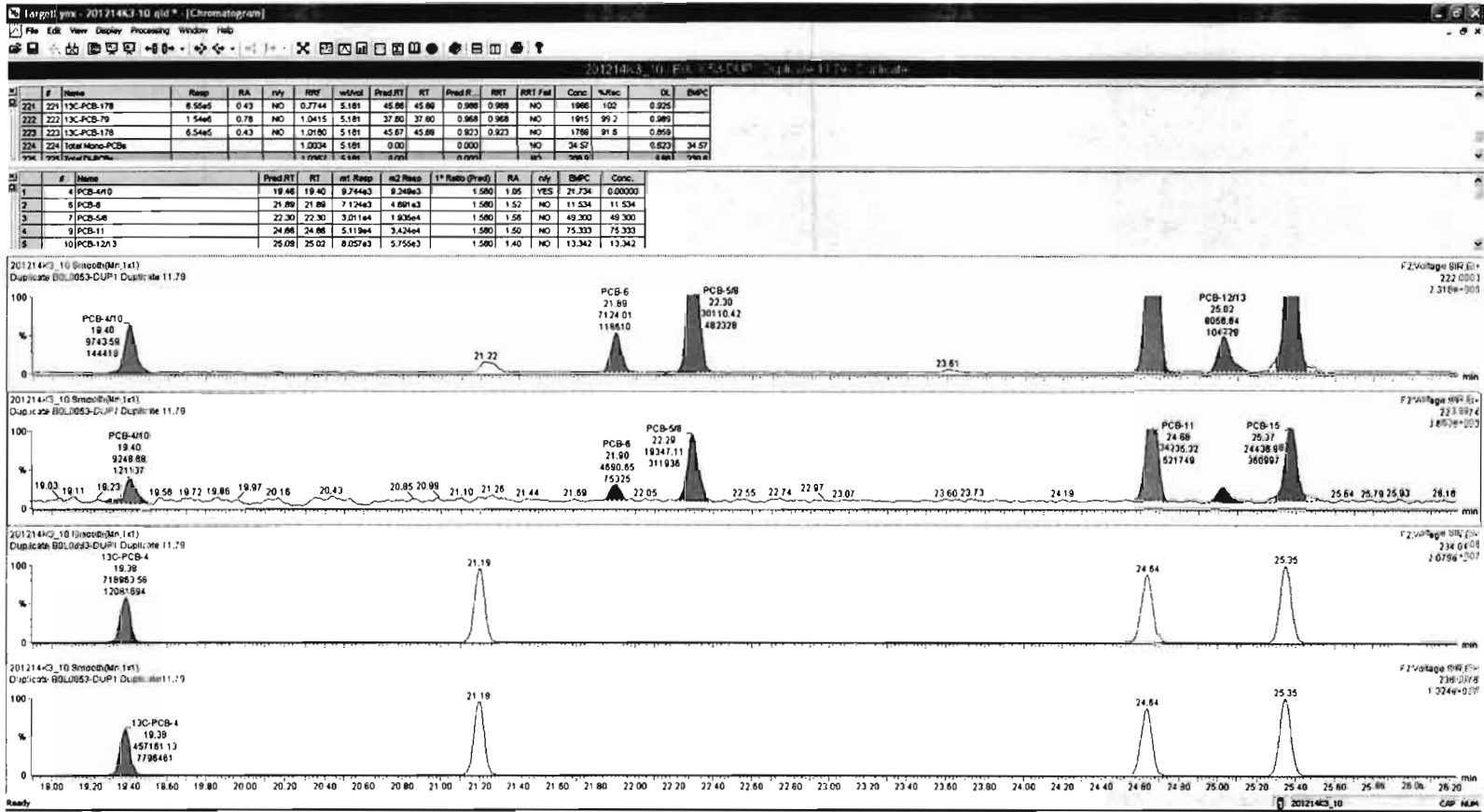


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**PFK2a**





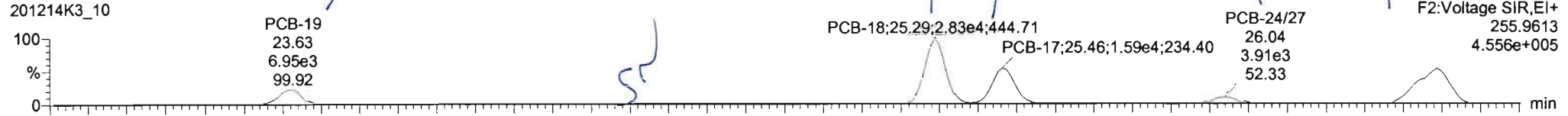
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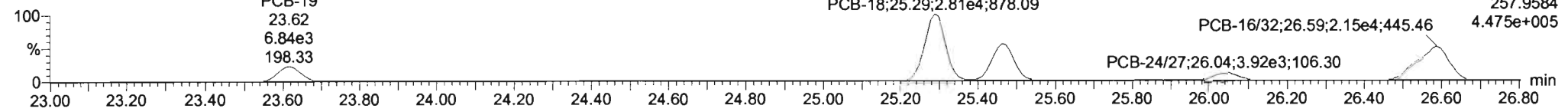
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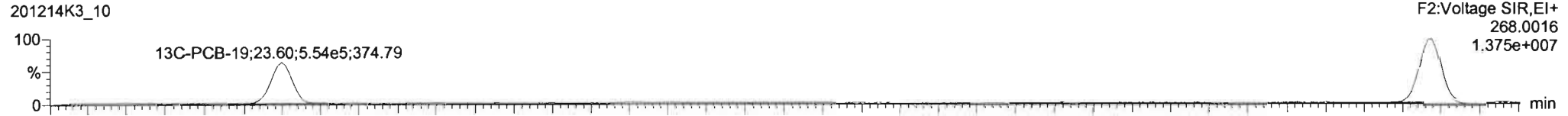
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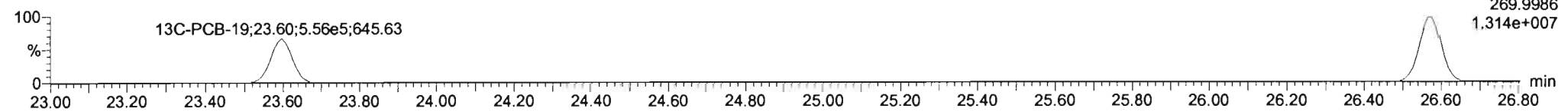
201214K3\_10



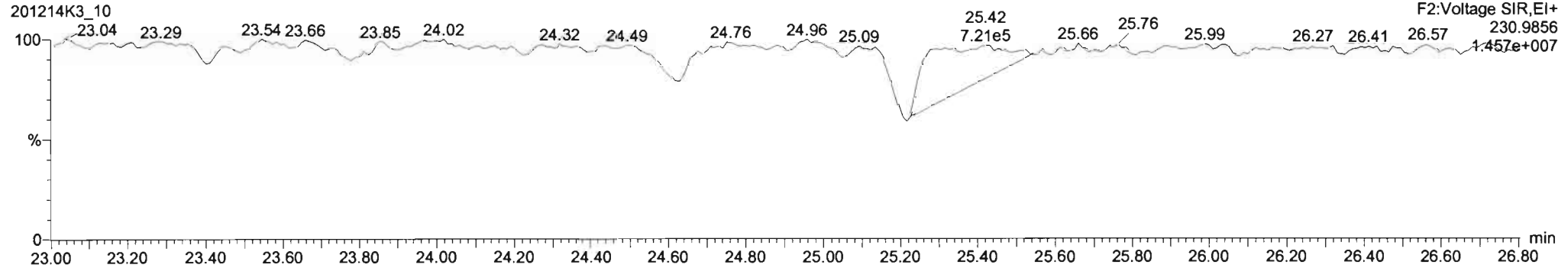
**13C-PCB-19**



201214K3\_10

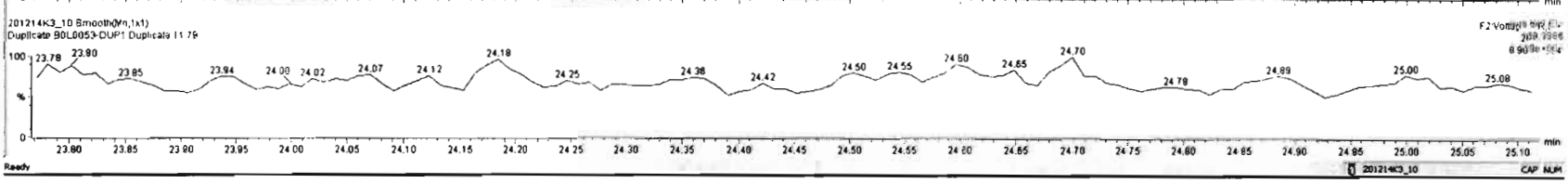
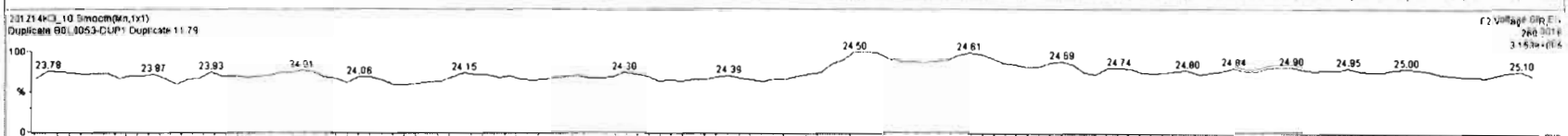
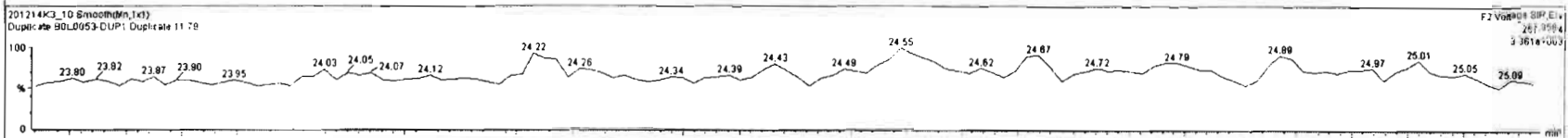
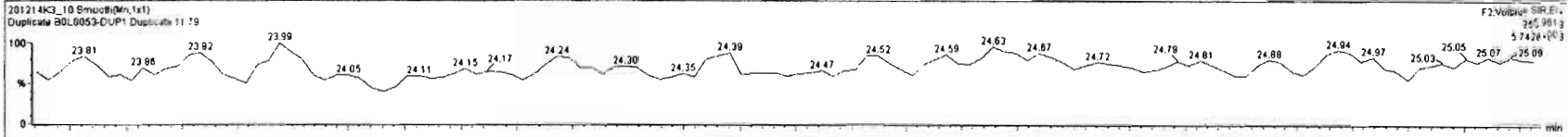


**PFK2b**



#	Name	Resp	RA	nly	RR	wtVtd	Pred RT	RT	Pred R	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
226	2nd Function Tri-PCBs				0.9434	5.191	0.00		0.000		NO	233.3	1.71	233.3	
227	3rd Function Tri-PCBs				0.9687	5.181	0.00		0.000		NO	518.8	4.50	672.6	
228	Total Tetra-PCBs				0.9919	5.181	0.00		0.000		NO	7729	8.96	2720	
229	3rd Function Penta-PCBs				1.1133	5.181	0.00		0.000		NO	3156	7.48	3167	
230	2nd Function Hexa-PCBs				1.0613	5.181	0.00		0.000		NO	181.3	2.66	187.4	

#	Name	Pred RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	12 PCB-19	23.63	23.83	6.947e3	6.836e3	1.040	1.02	NO	24.661	24.661
2	14 PCB-18	25.30	25.29	2.825e4	2.805e4	1.040	1.01	NO	67.051	67.051
3	15 PCB-17	25.47	25.48	1.591e4	1.605e4	1.040	0.98	NO	52.918	52.918
4	16 PCB-14/27	26.05	26.04	3.913e3	3.922e3	1.040	1.00	NO	9.3461	9.3461
5	17 PCB-16/27	26.80	26.58	2.251e4	2.146e4	1.040	1.05	NO	58.318	58.318

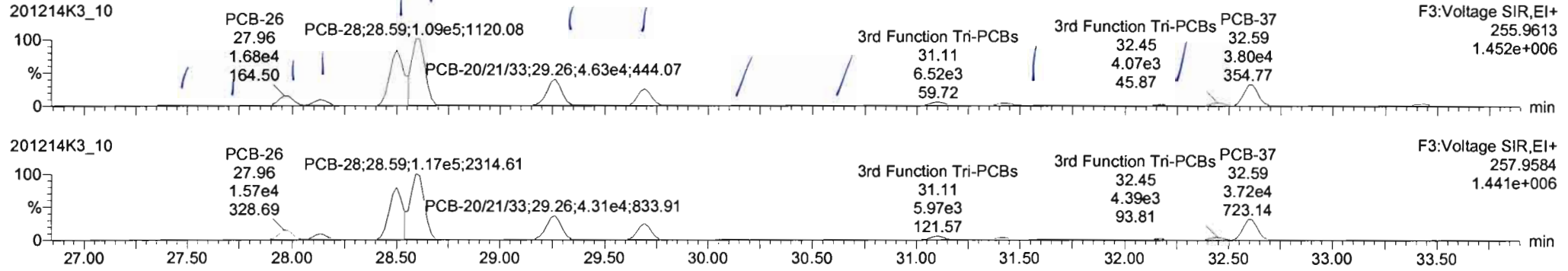


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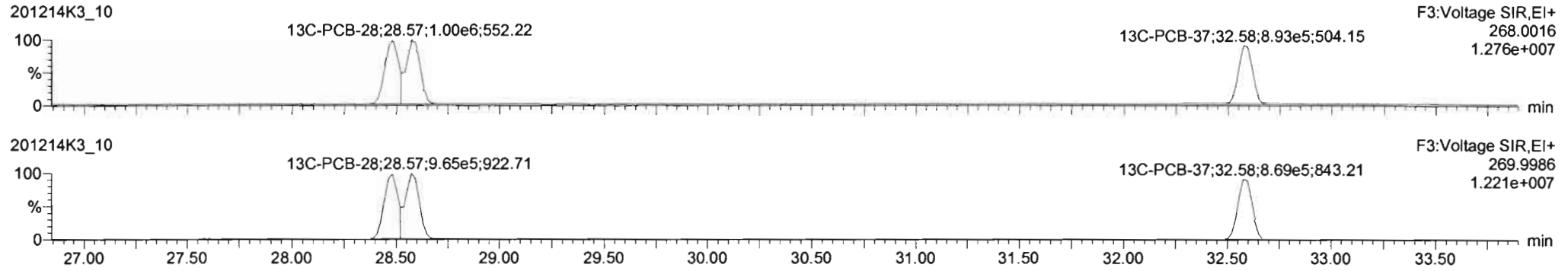
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

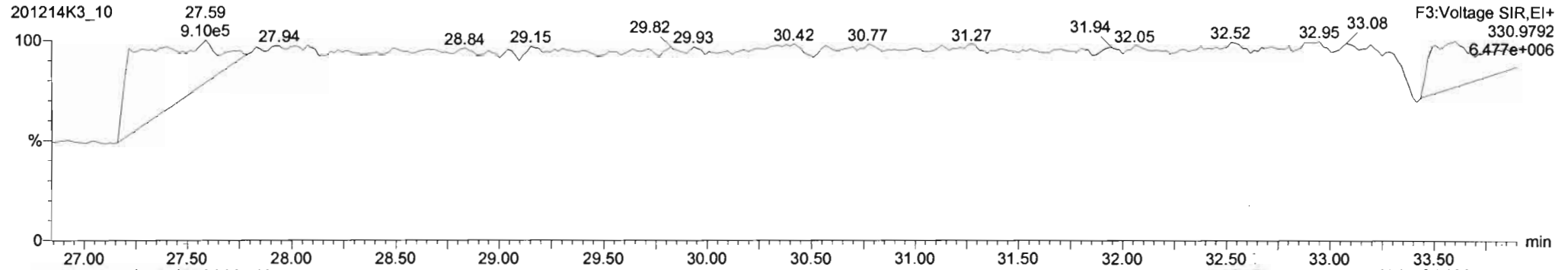
**PCB-34**

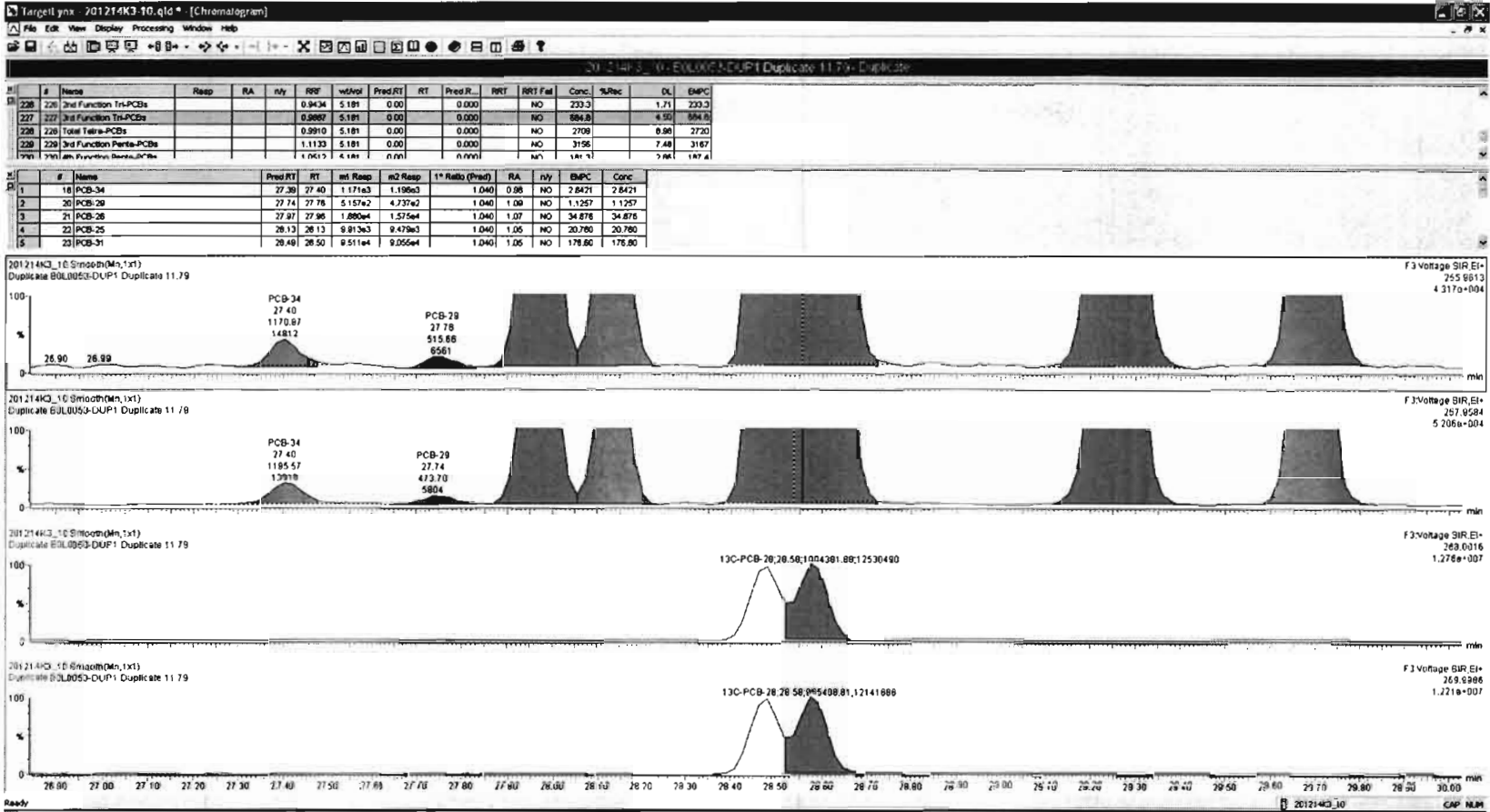


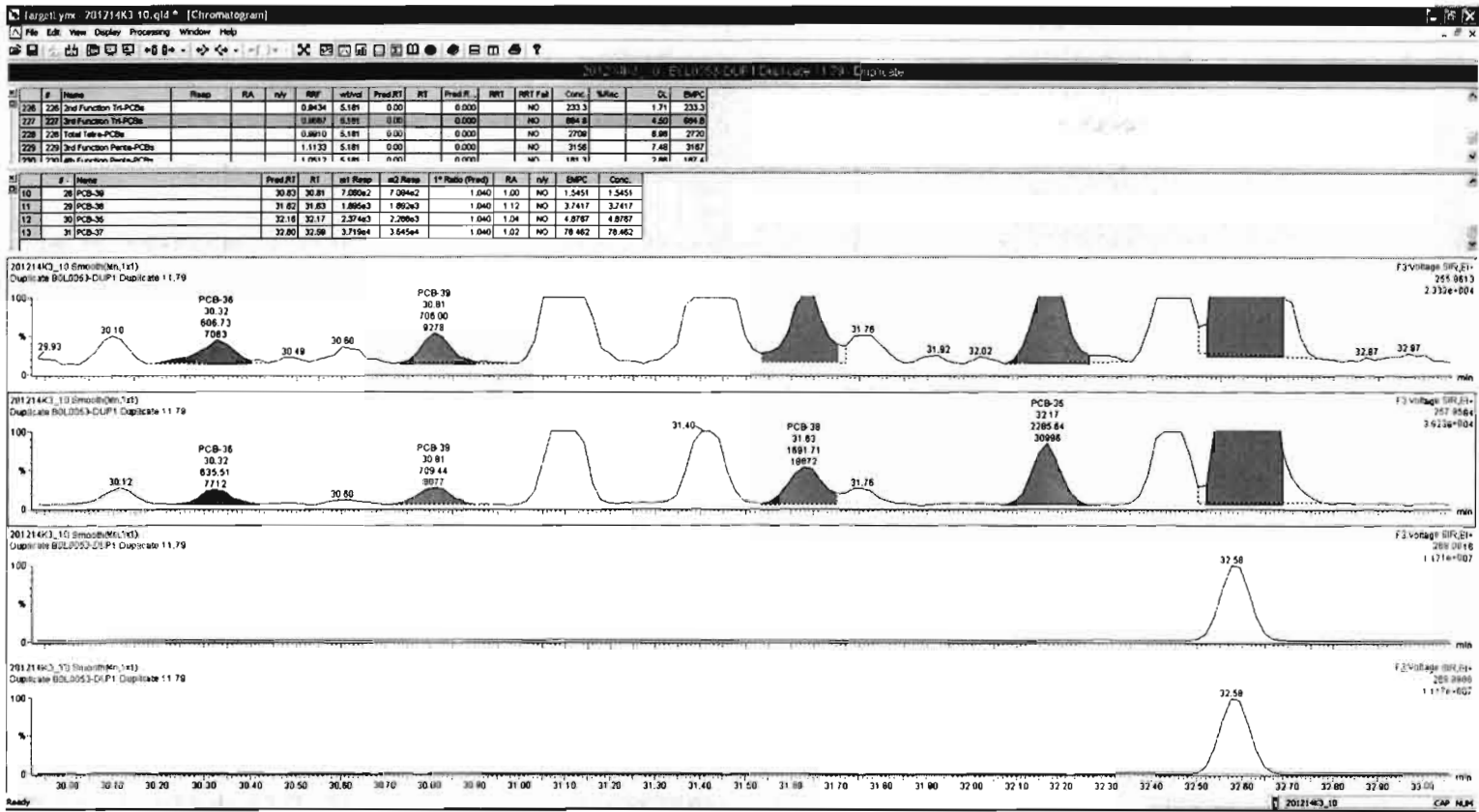
**13C-PCB-28**



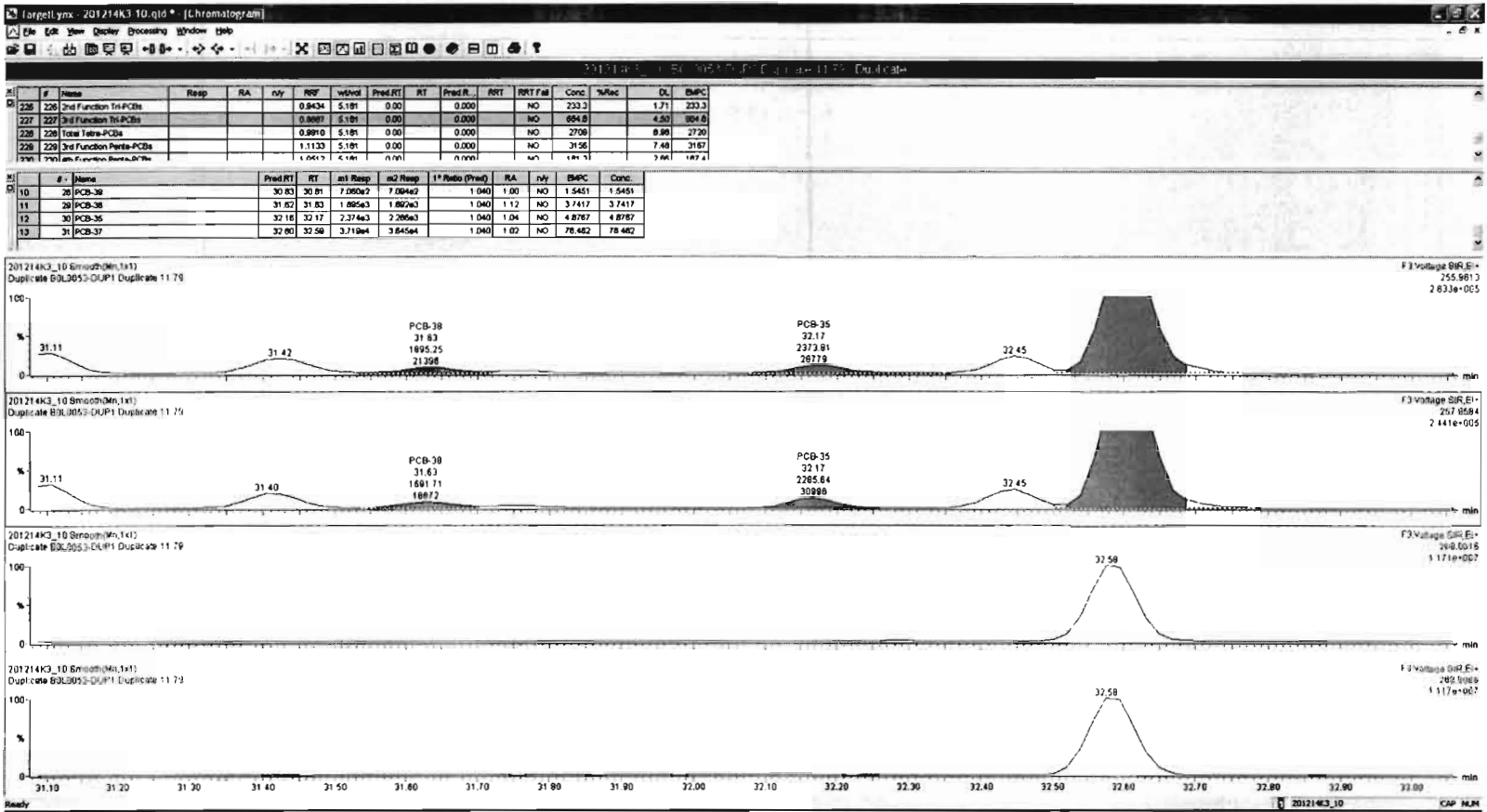
**PFK3d**









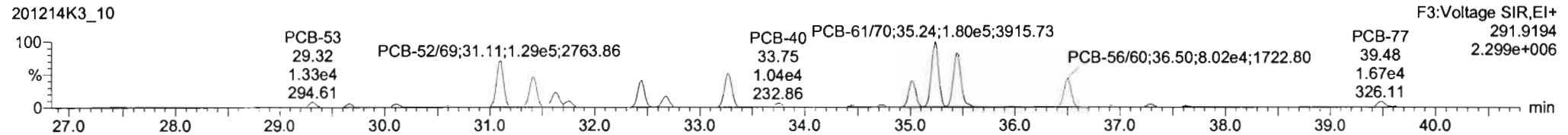
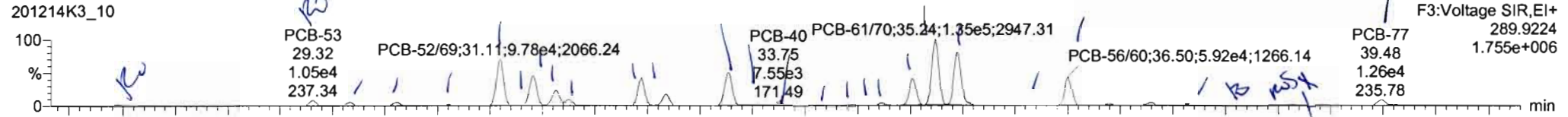


Dataset: Untitled

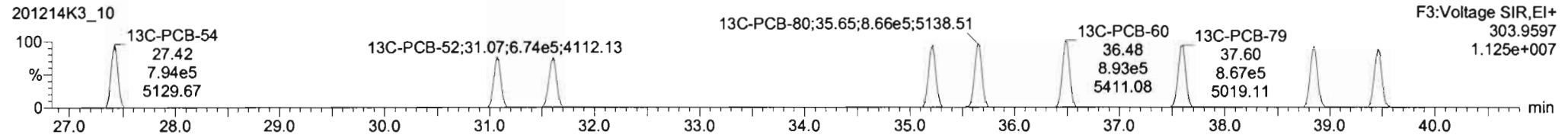
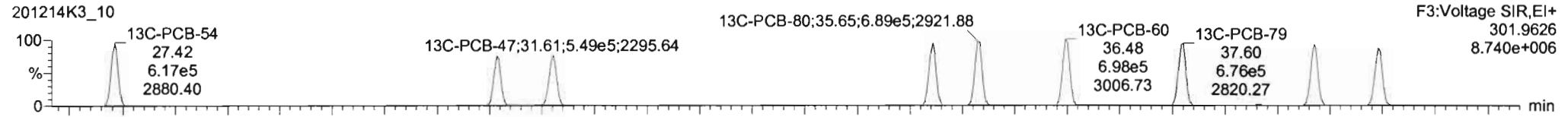
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

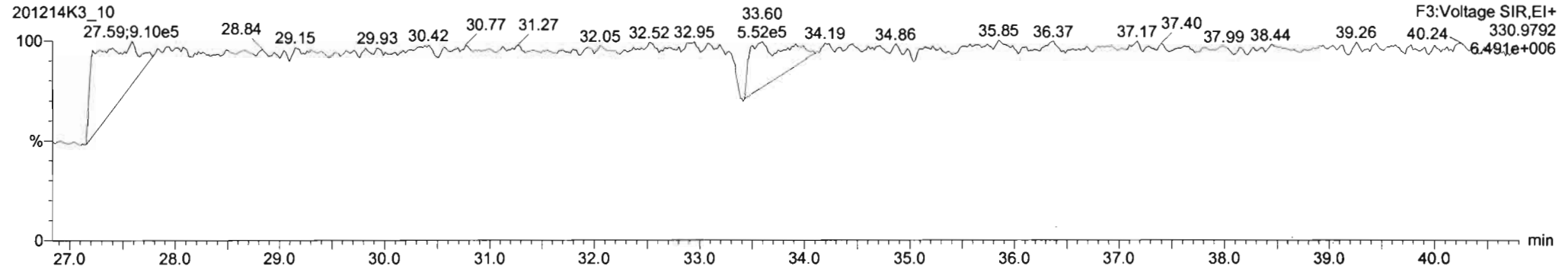
**PCB-54**



**13C-PCB-54**



**PFK3a**



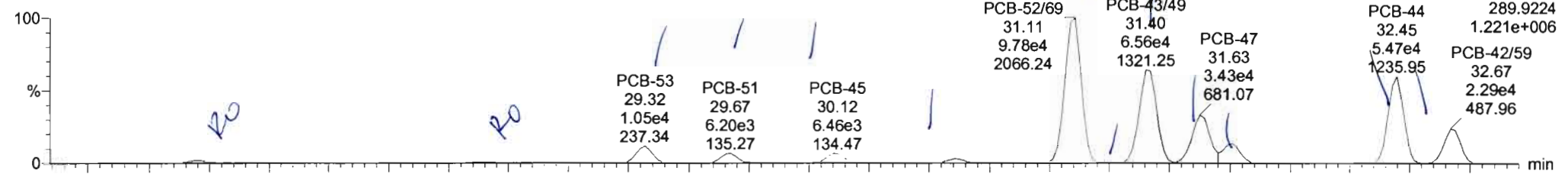
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Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

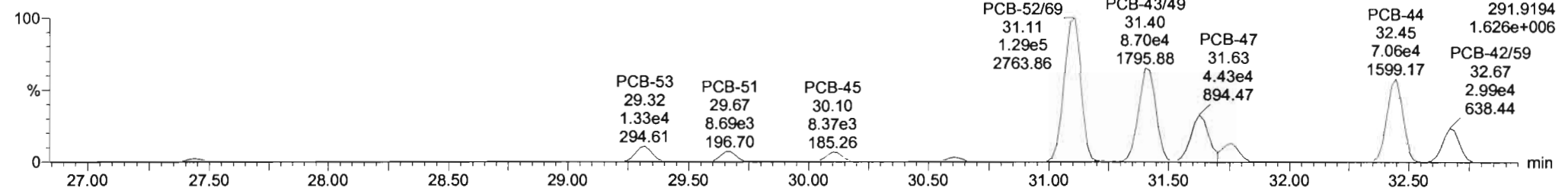
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**PCB-50**

201214K3\_10

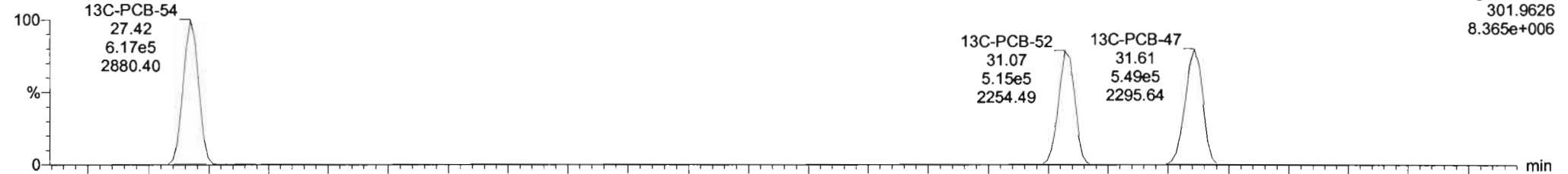


201214K3\_10

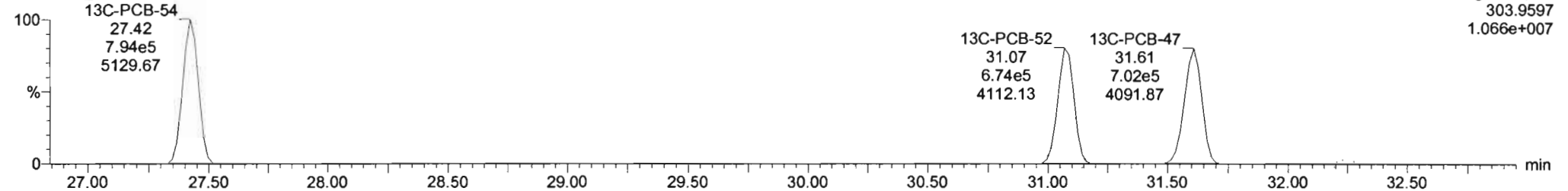


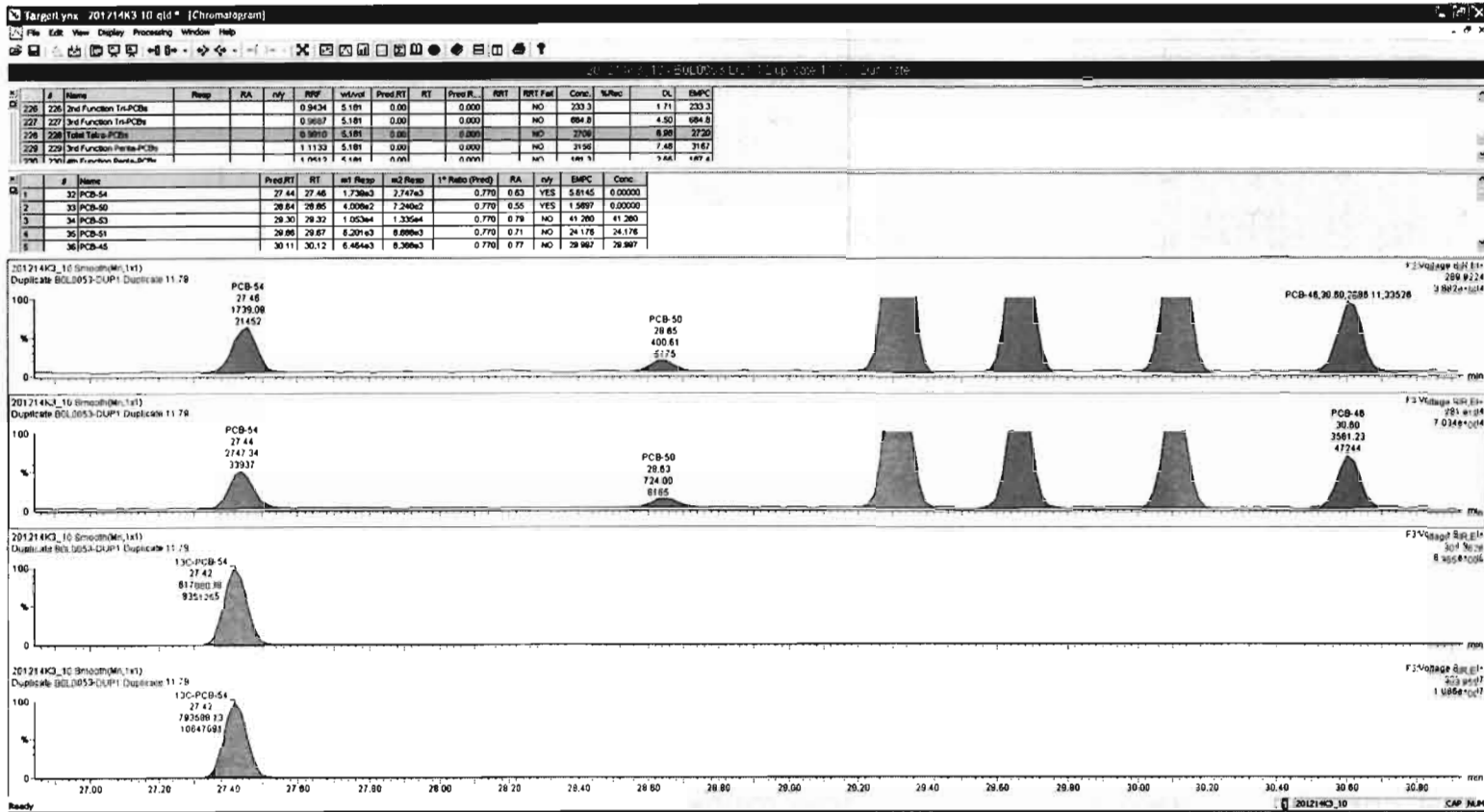
**13C-PCB-52**

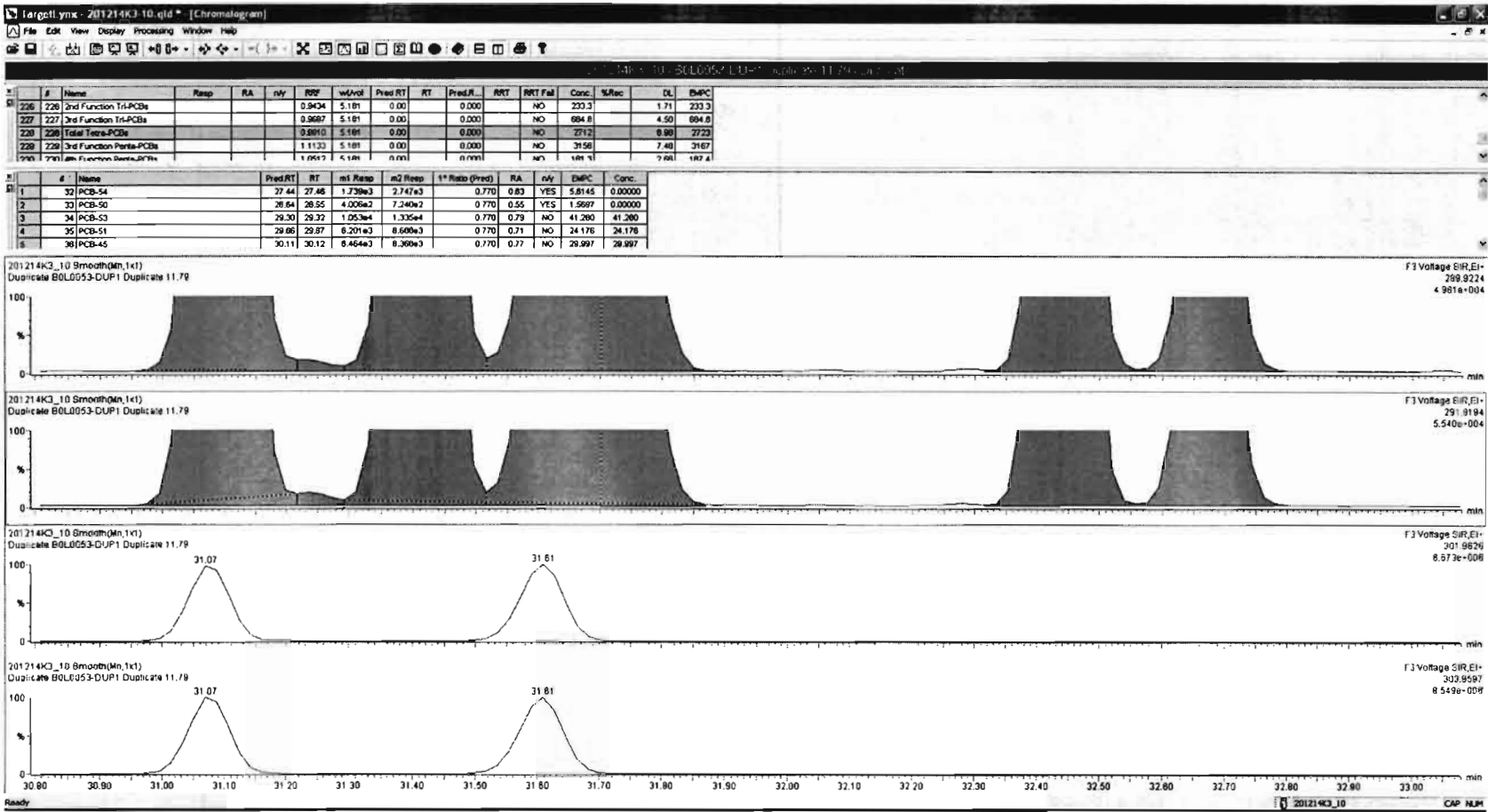
201214K3\_10



201214K3\_10







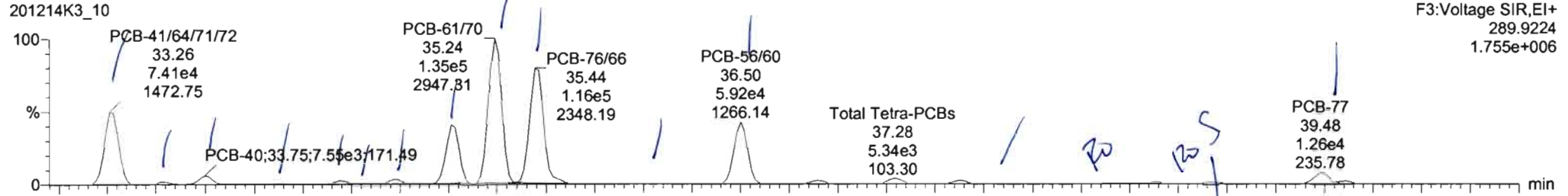
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Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time

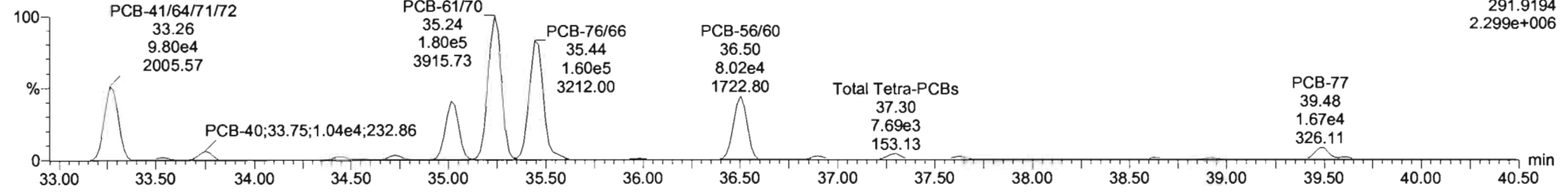
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

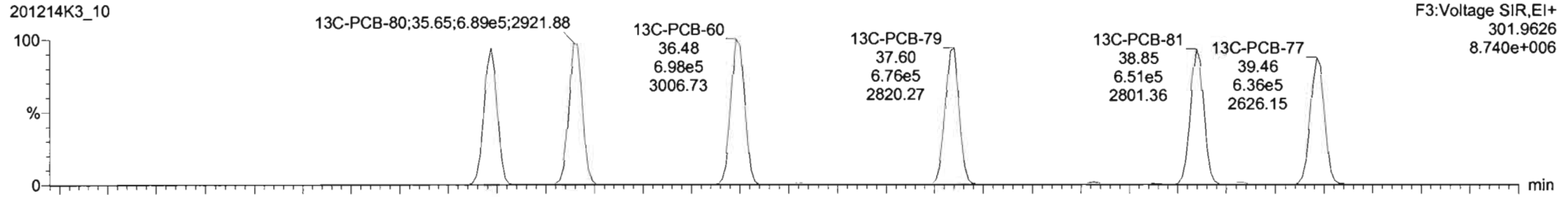
PCB-68



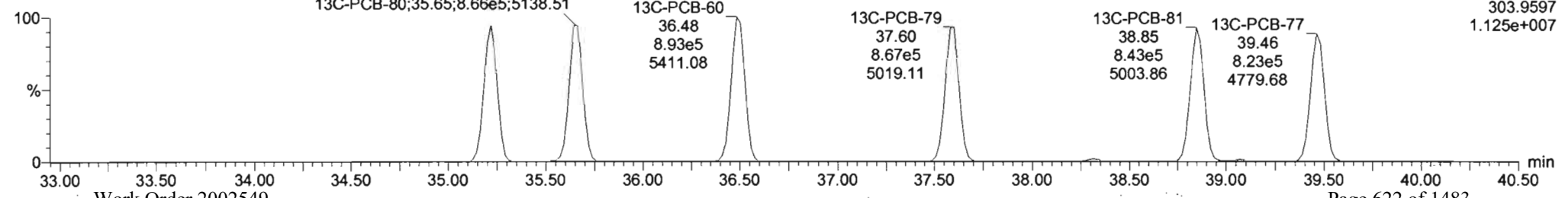
PCB-68

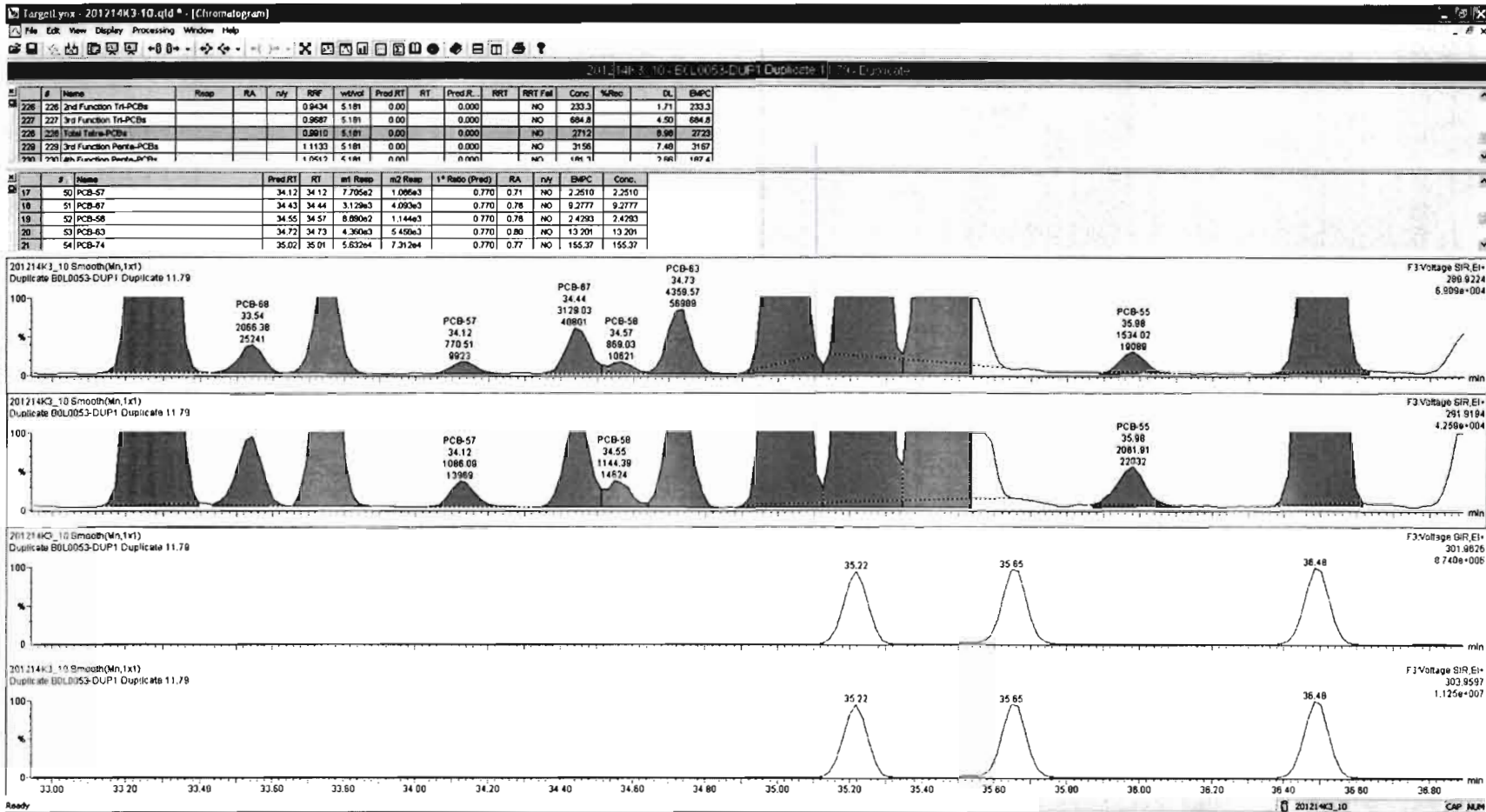


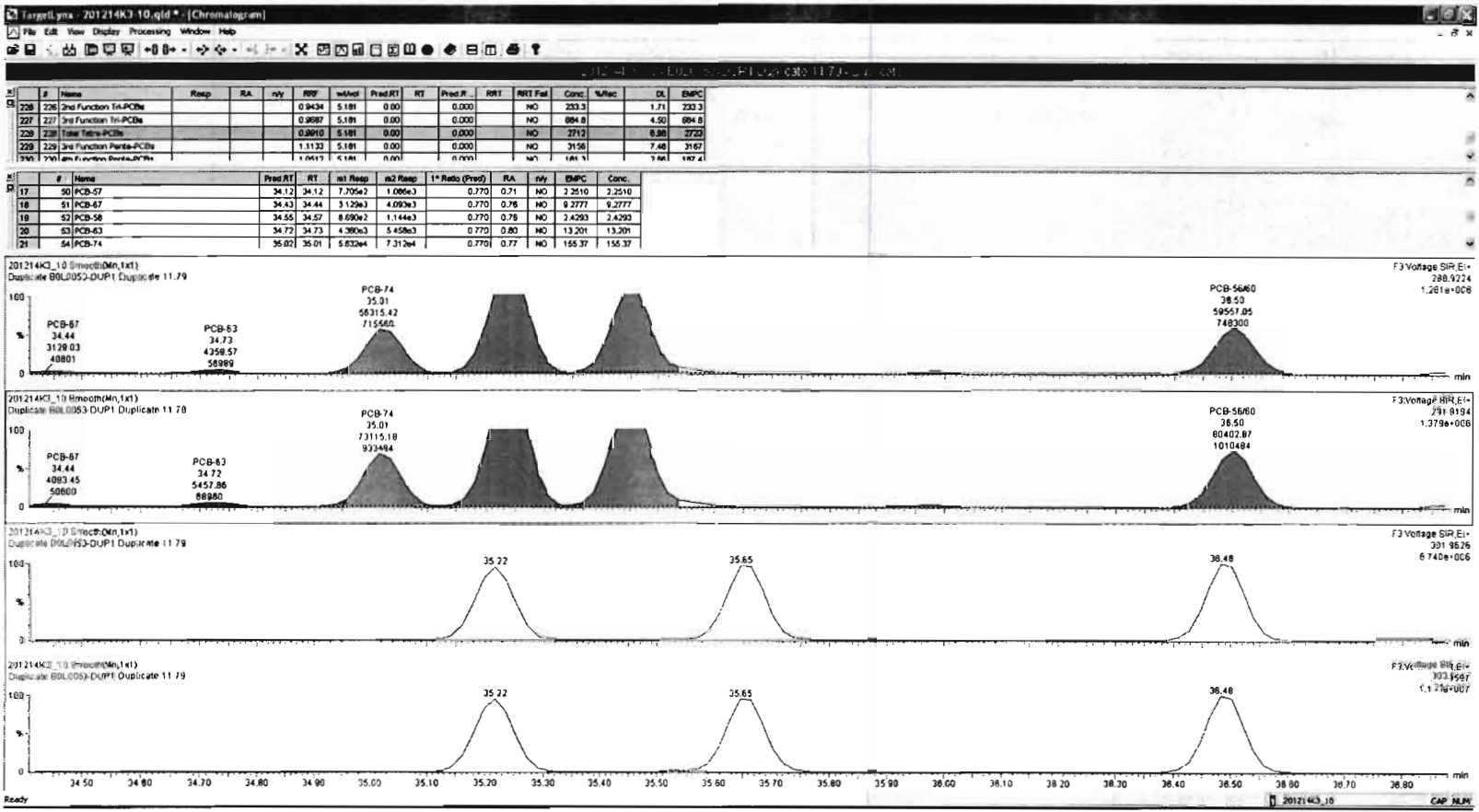
13C-PCB-60



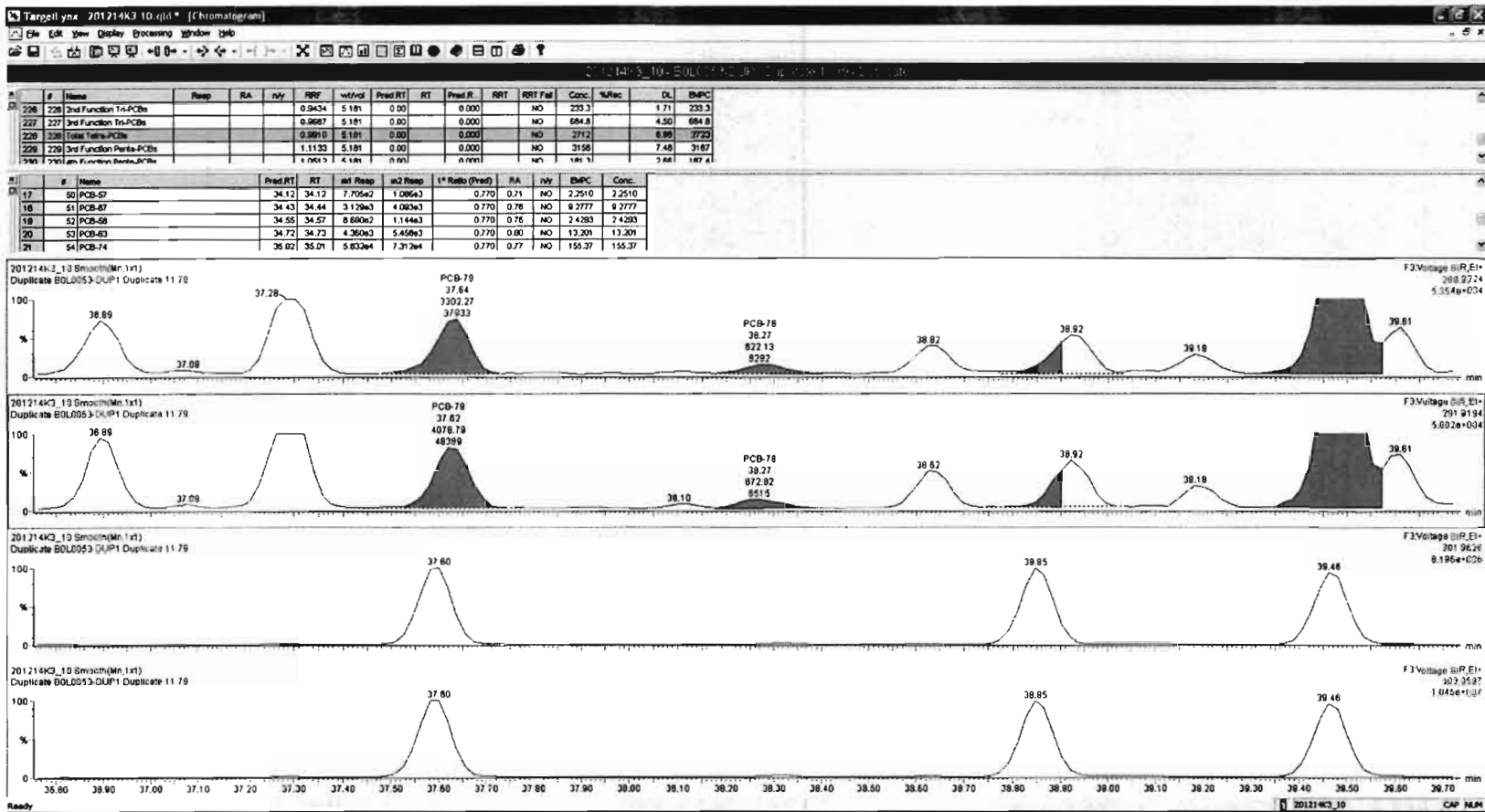
13C-PCB-60





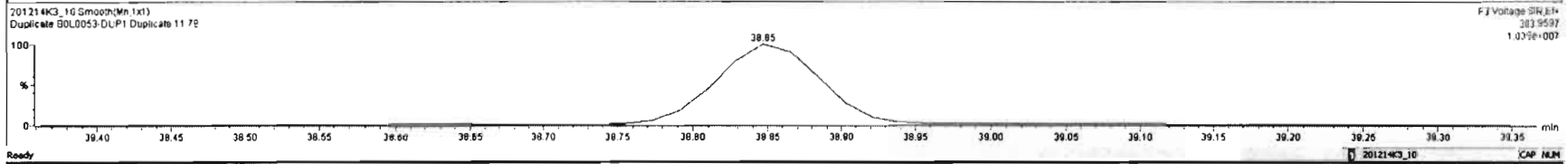
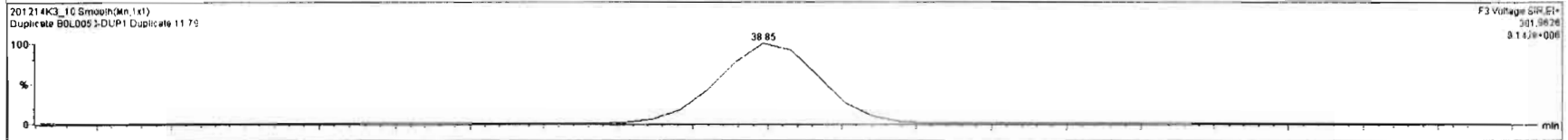
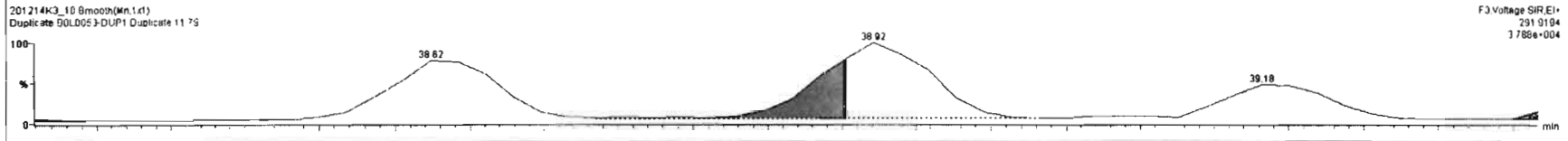
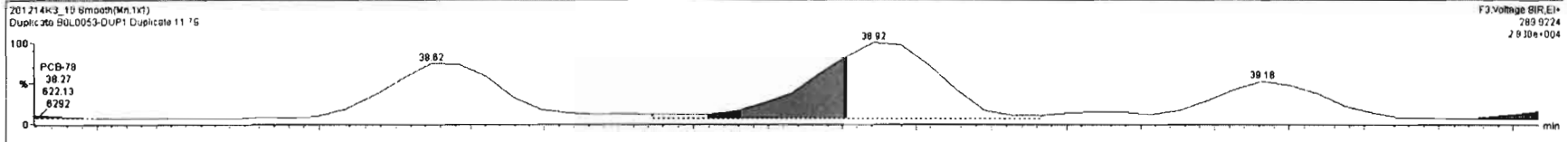






#	Name	Resp	RA	nV	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Tol	Conc.	%Rec	DL	EMPC
226	226 2nd Function Tri-PCBs				0.9434	5.181	0.00		0.000		NO	233.3		1.71	233.3
227	227 3rd Function Tri-PCBs				0.9687	5.181	0.00		0.000		NO	684.8		4.50	684.8
228	228 Total Tetra-PCBs				0.9910	5.181	0.00		0.000		NO	2712		8.95	2723
229	229 3rd Function Penta-PCBs				1.1133	5.181	0.00		0.000		NO	3156		7.48	3167
230	230 3rd Function Hexa-PCBs				1.0617	4.181	0.00		0.000		NO	181.4		2.66	187.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	S* Ratio (Pred)	RA	nV	EMPC	Conc.
17	50 PCB-57	34.12	34.12	7.705e2	1.066e3	0.770	0.71	NO	2.2510	2.2510
18	51 PCB-67	34.43	34.44	3.129e3	4.093e3	0.770	0.75	NO	9.2777	9.2777
19	52 PCB-58	34.55	34.57	8.690e2	1.144e3	0.770	0.75	NO	2.4293	2.4293
20	53 PCB-63	34.72	34.73	4.360e3	5.458e3	0.770	0.80	NO	13.201	13.201
21	54 PCB-74	35.02	35.01	5.832e4	7.312e4	0.770	0.77	NO	155.37	155.37

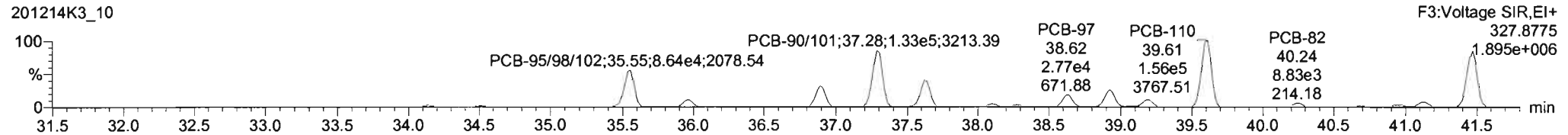
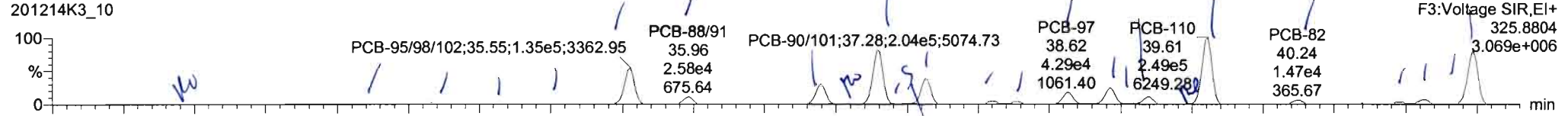


Dataset: Untitled

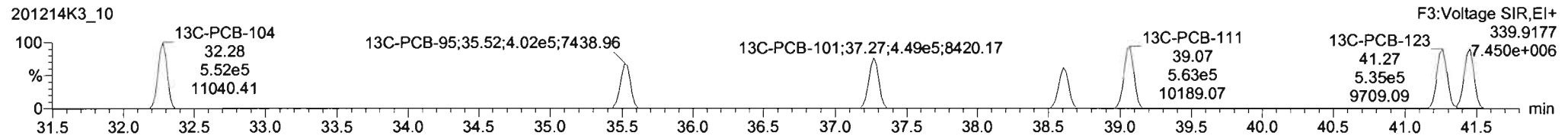
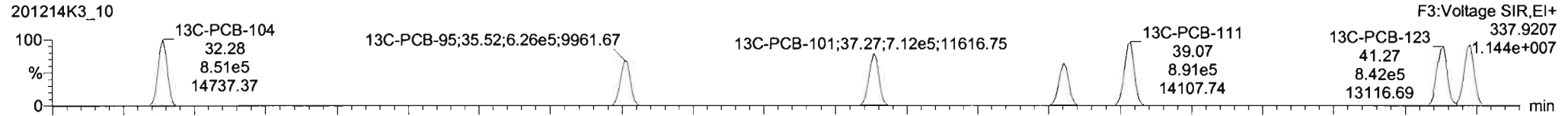
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

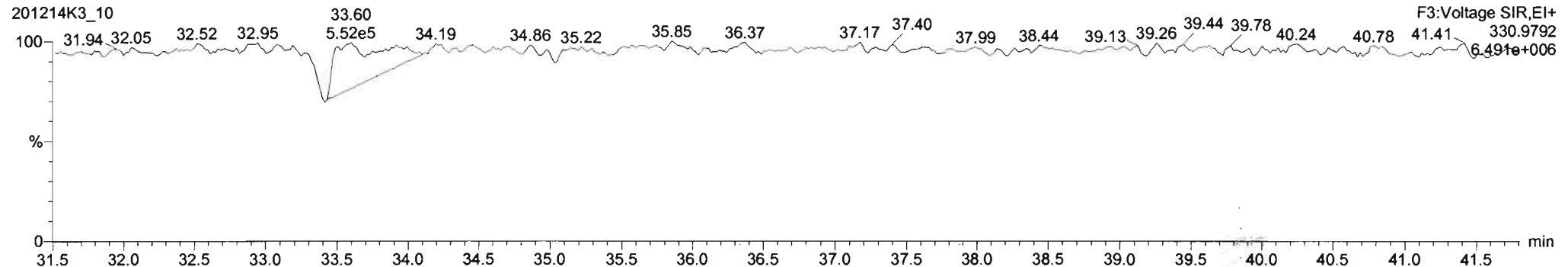
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

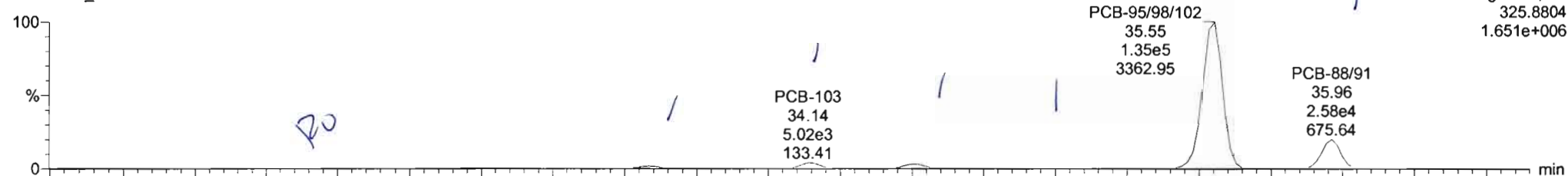
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time

Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

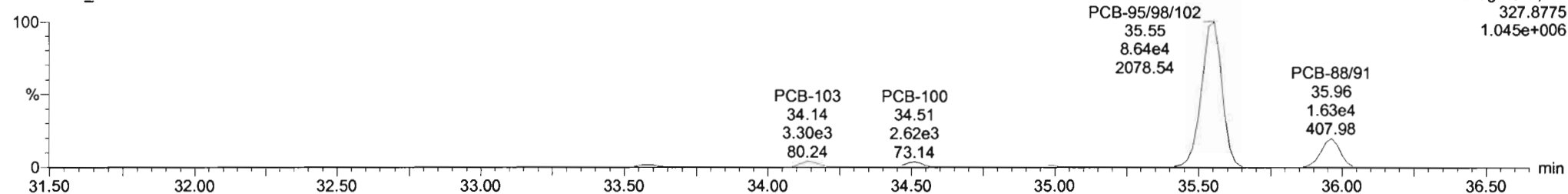
Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

**PCB-96**

201214K3\_10

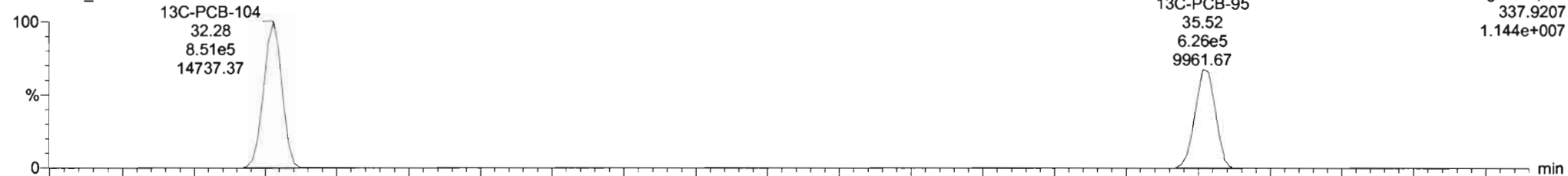


201214K3\_10

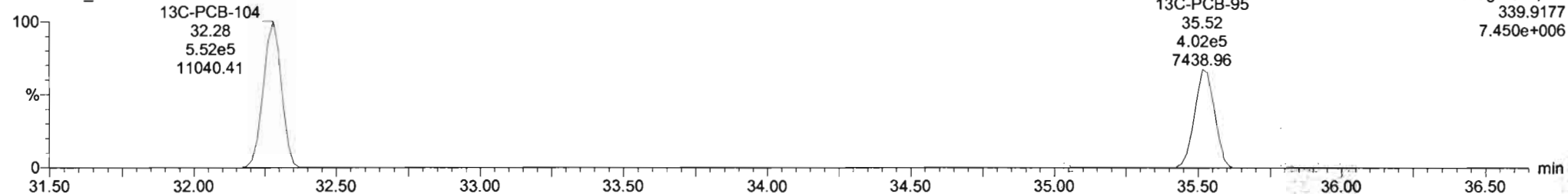


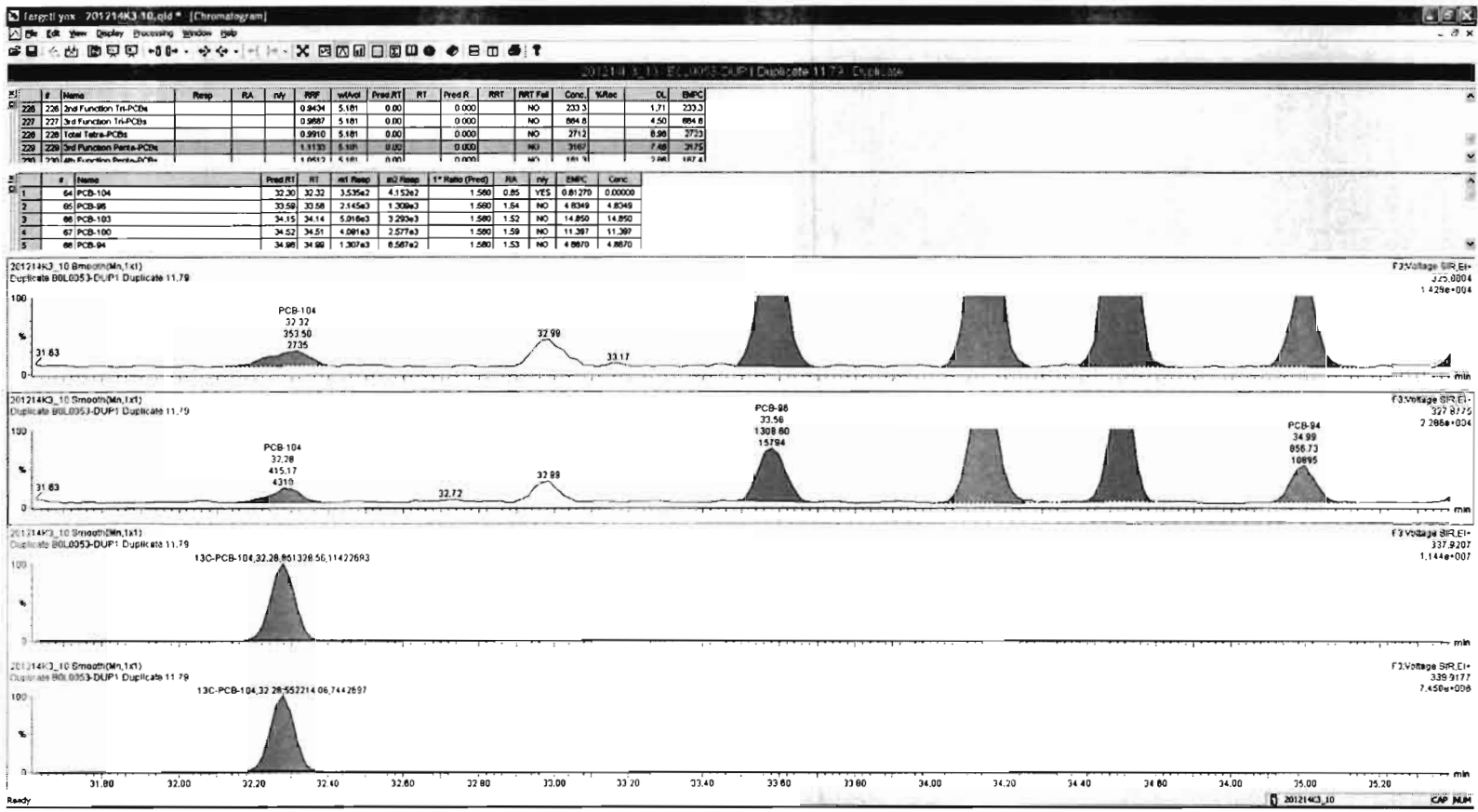
**13C-PCB-95**

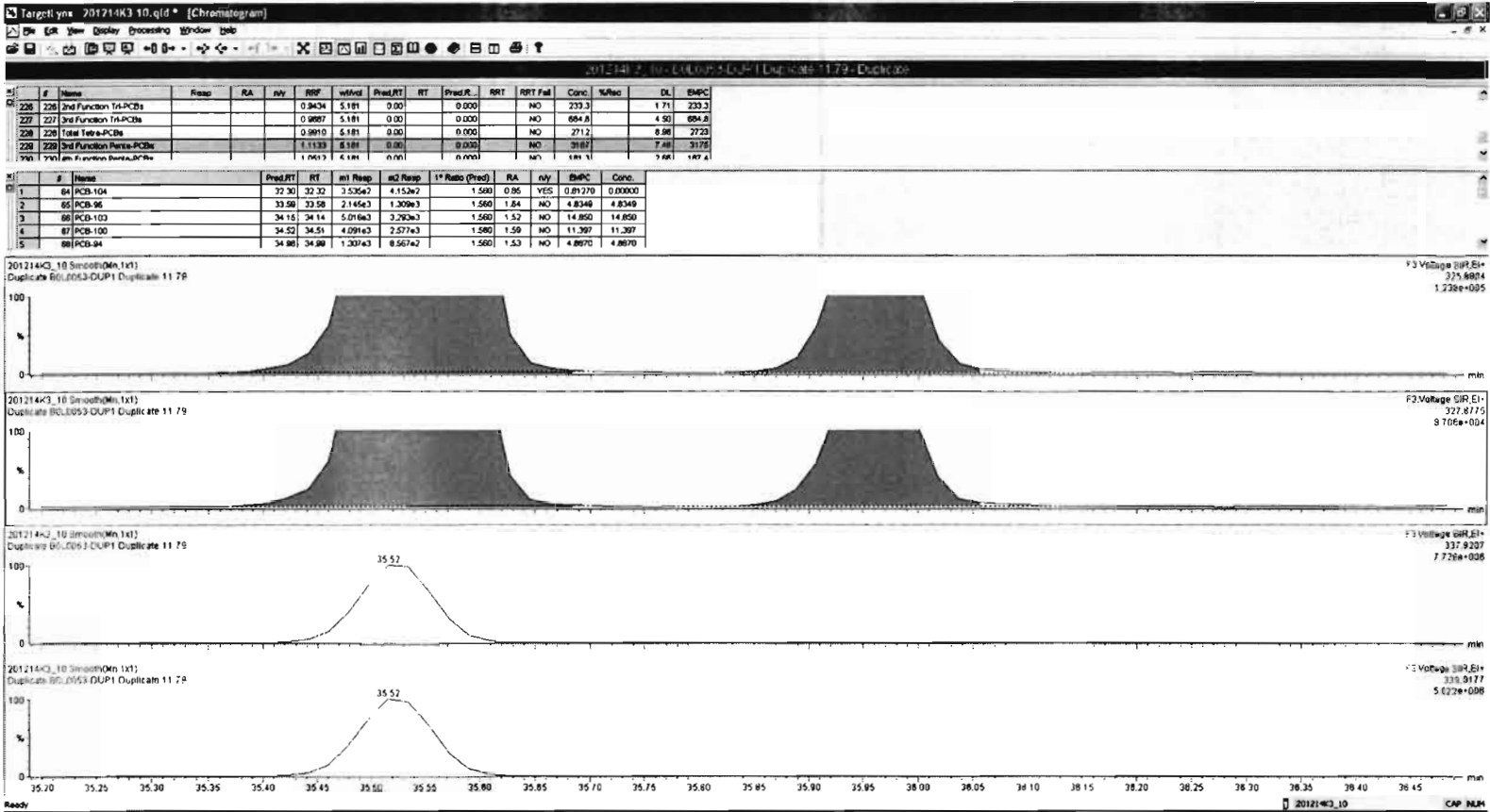
201214K3\_10



201214K3\_10







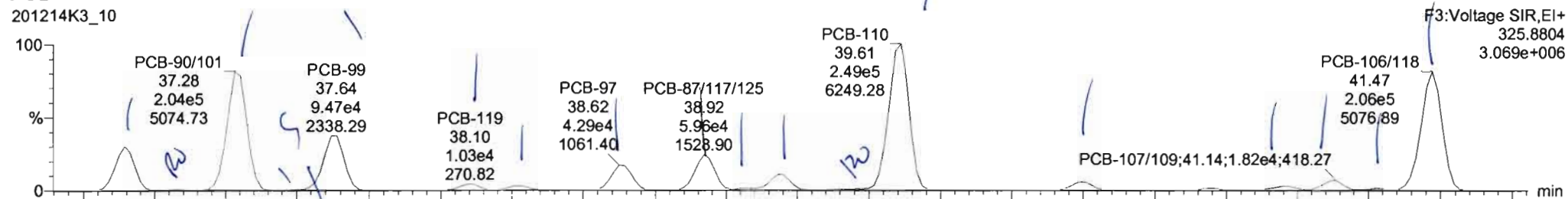
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

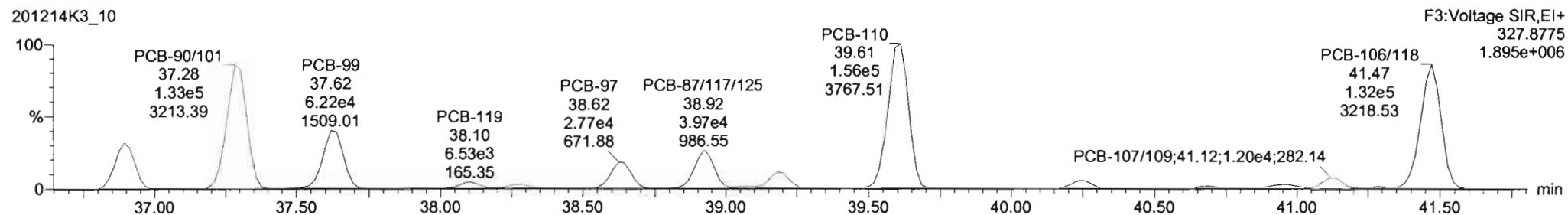
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PCB-119

201214K3\_10

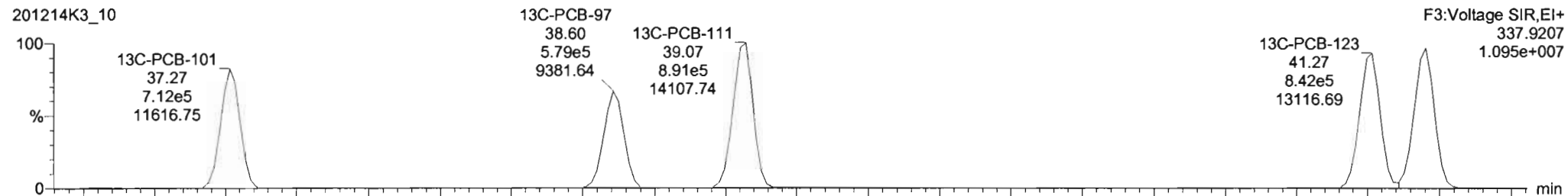


201214K3\_10

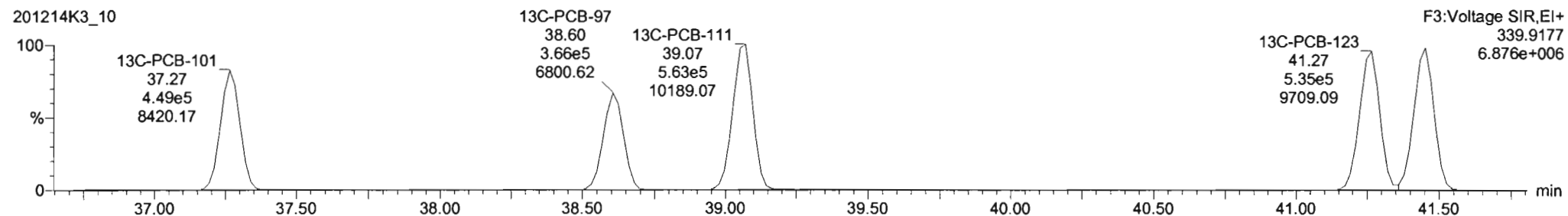


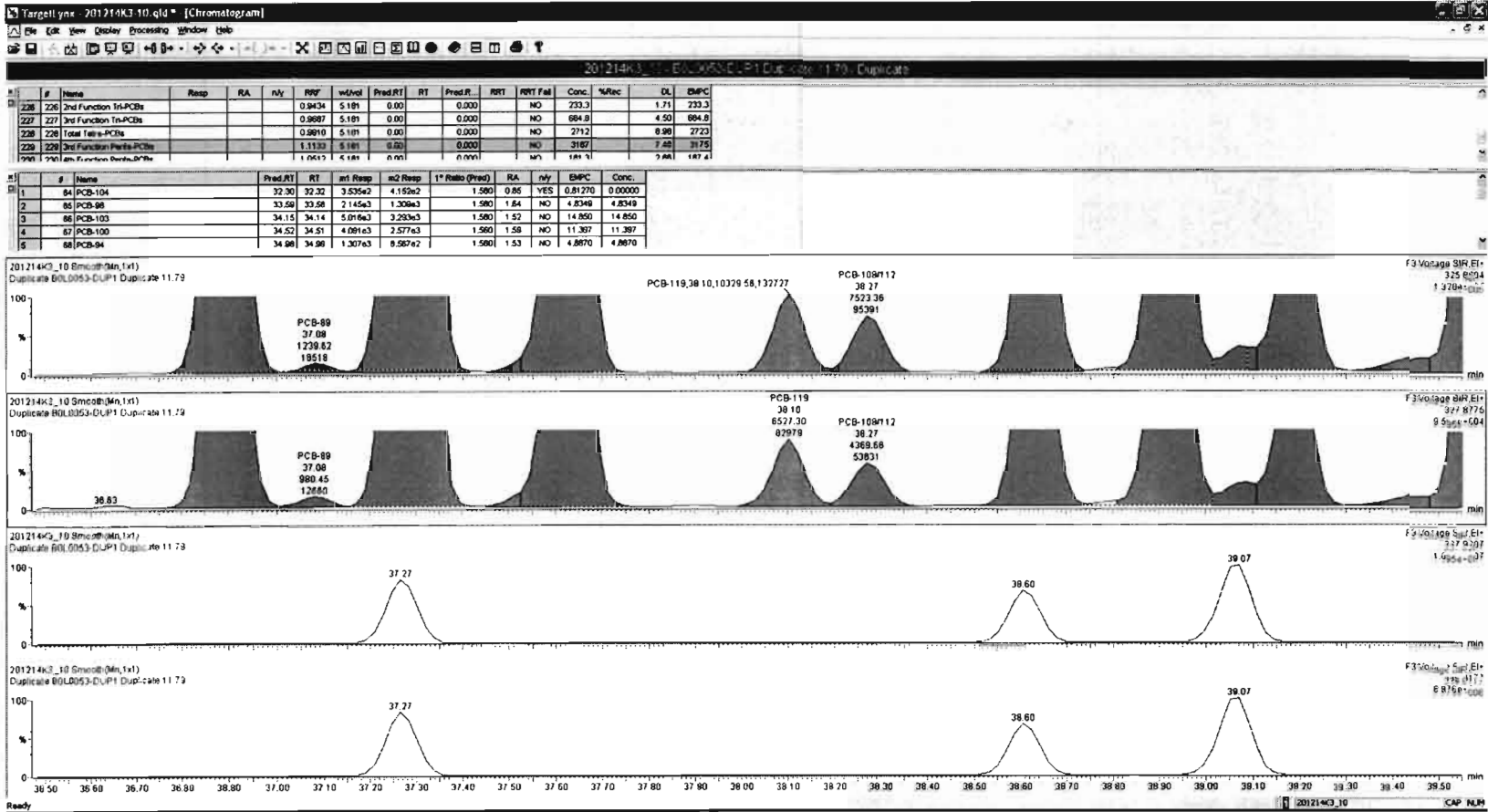
13C-PCB-111

201214K3\_10

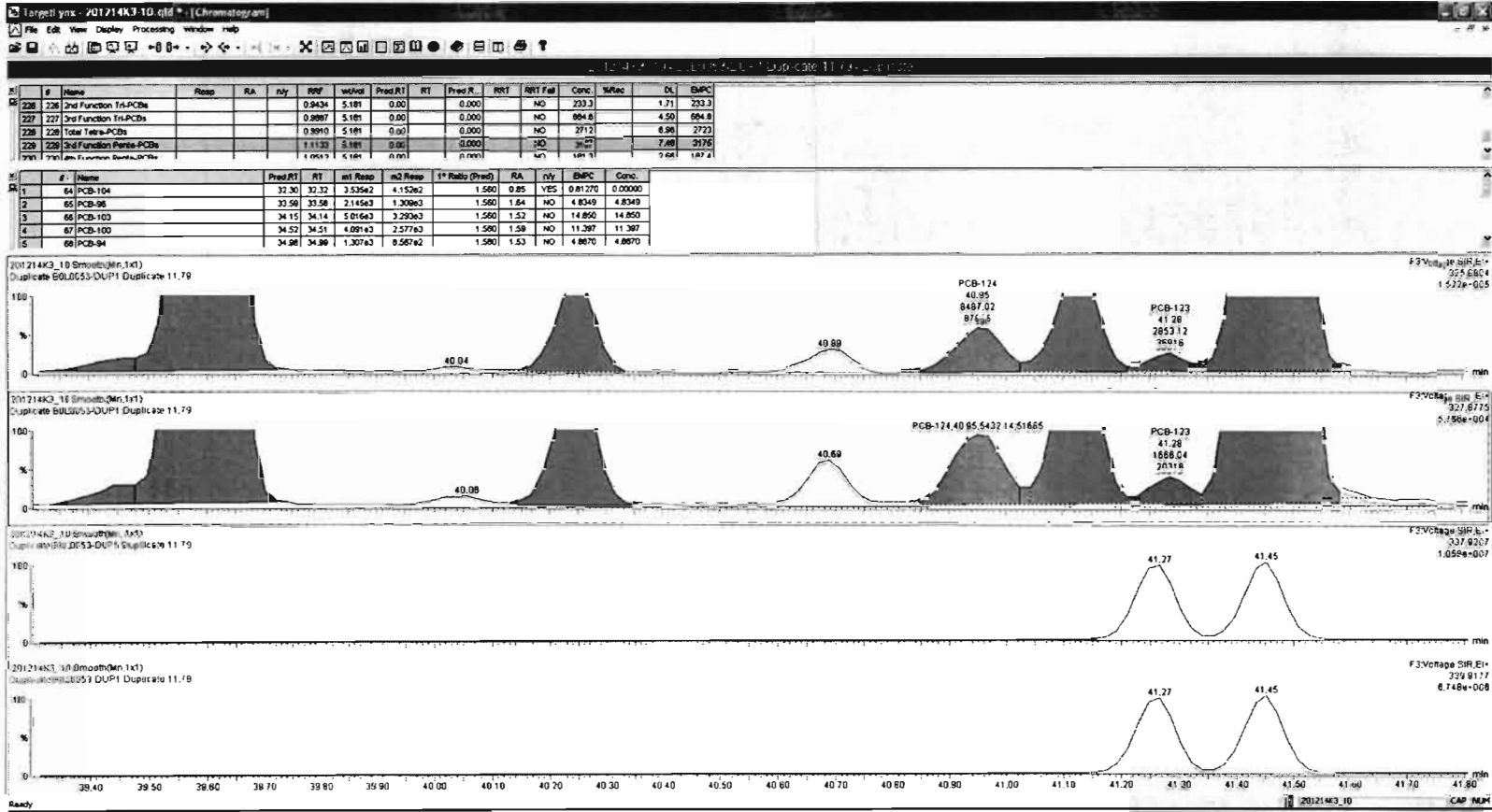


201214K3\_10







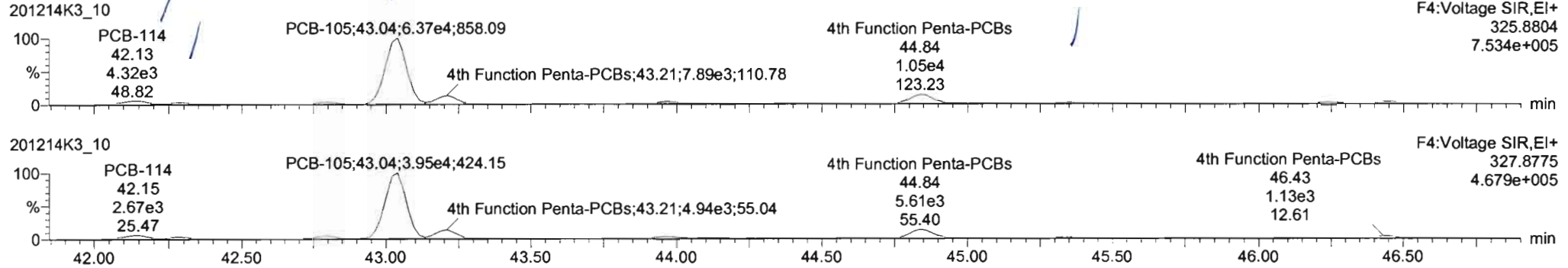


Dataset: Untitled

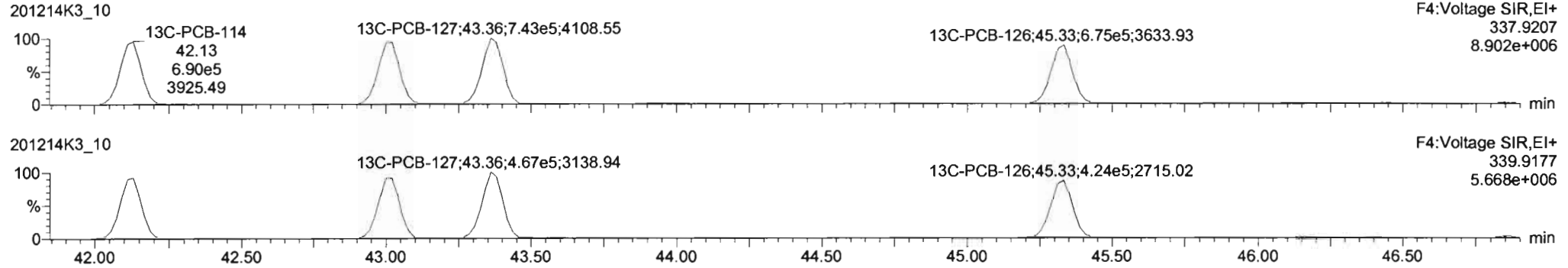
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

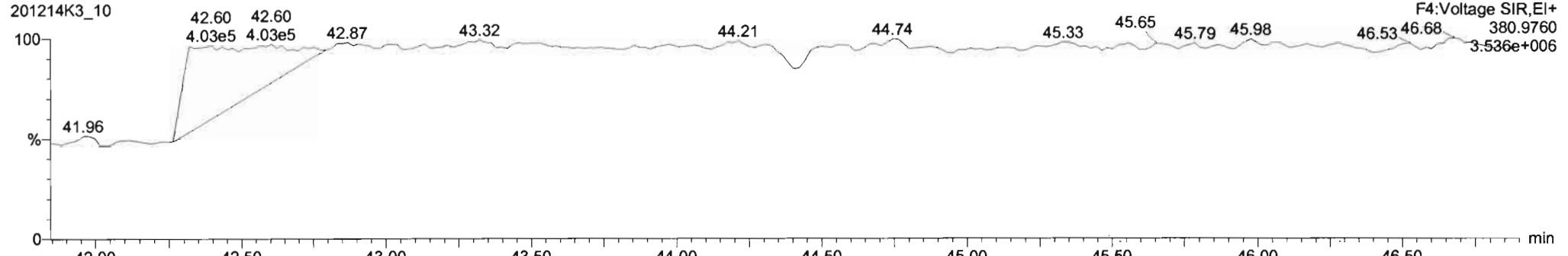
**PCB-114**

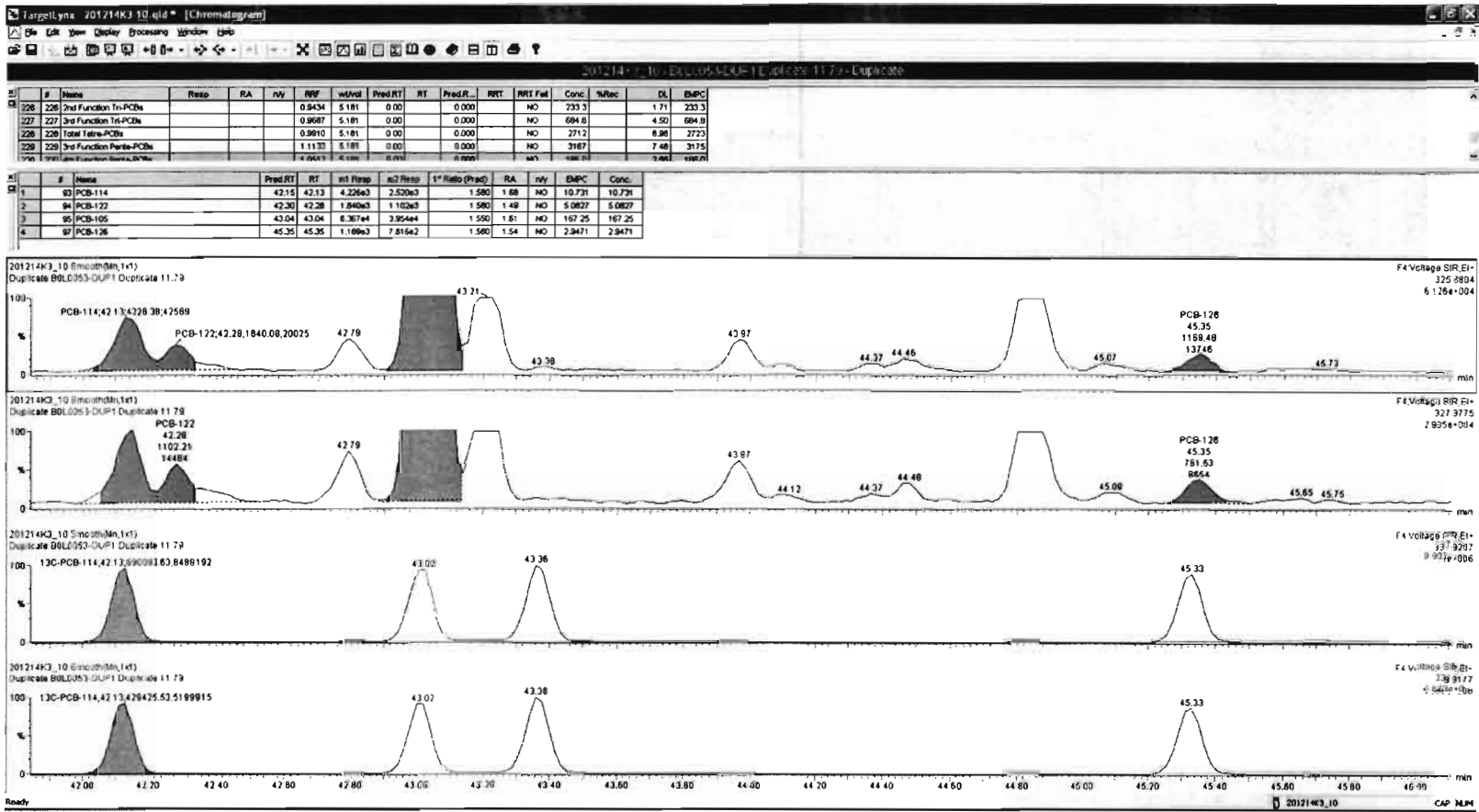


**13C-PCB-114**



**PFK4a**





Dataset: Untitled

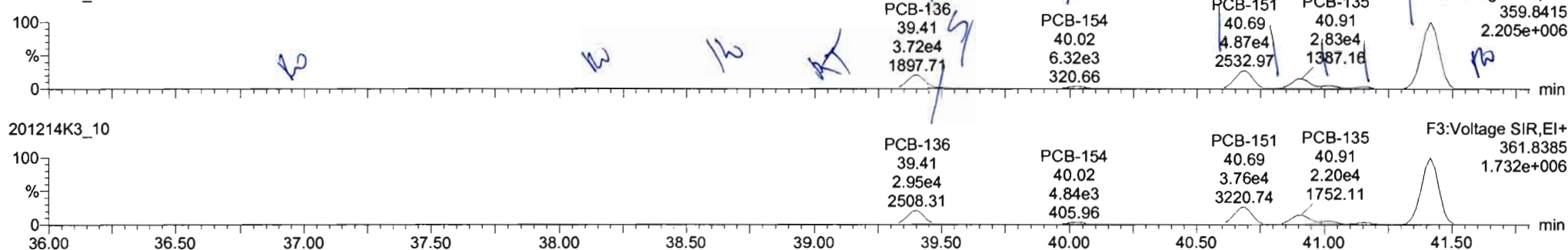
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time

Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

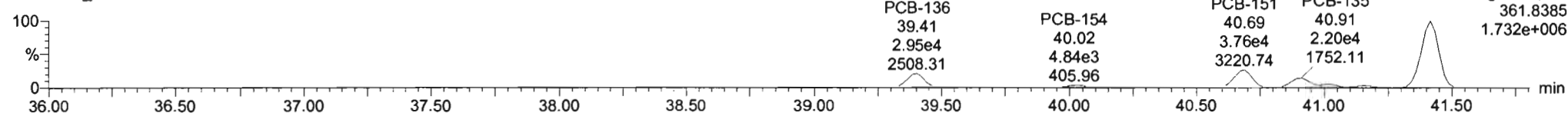
Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

**PCB-155**

201214K3\_10

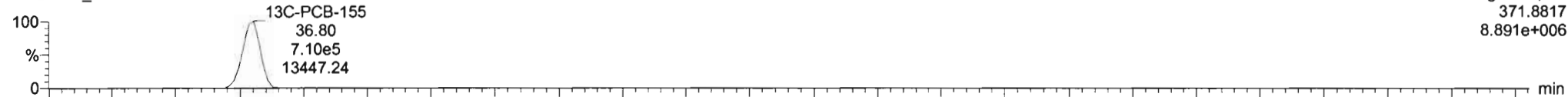


201214K3\_10

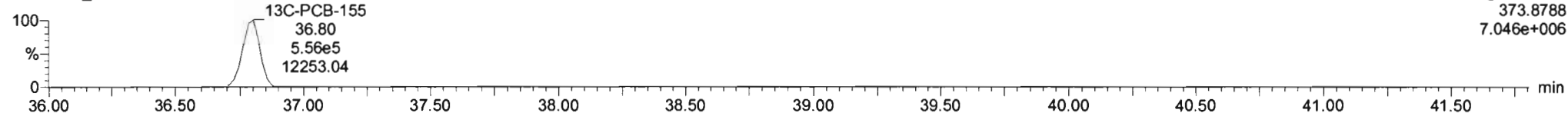


**13C-PCB-155**

201214K3\_10

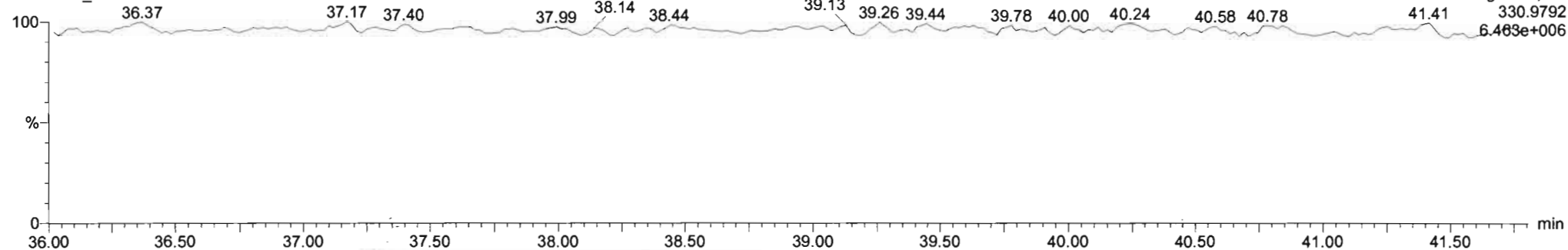


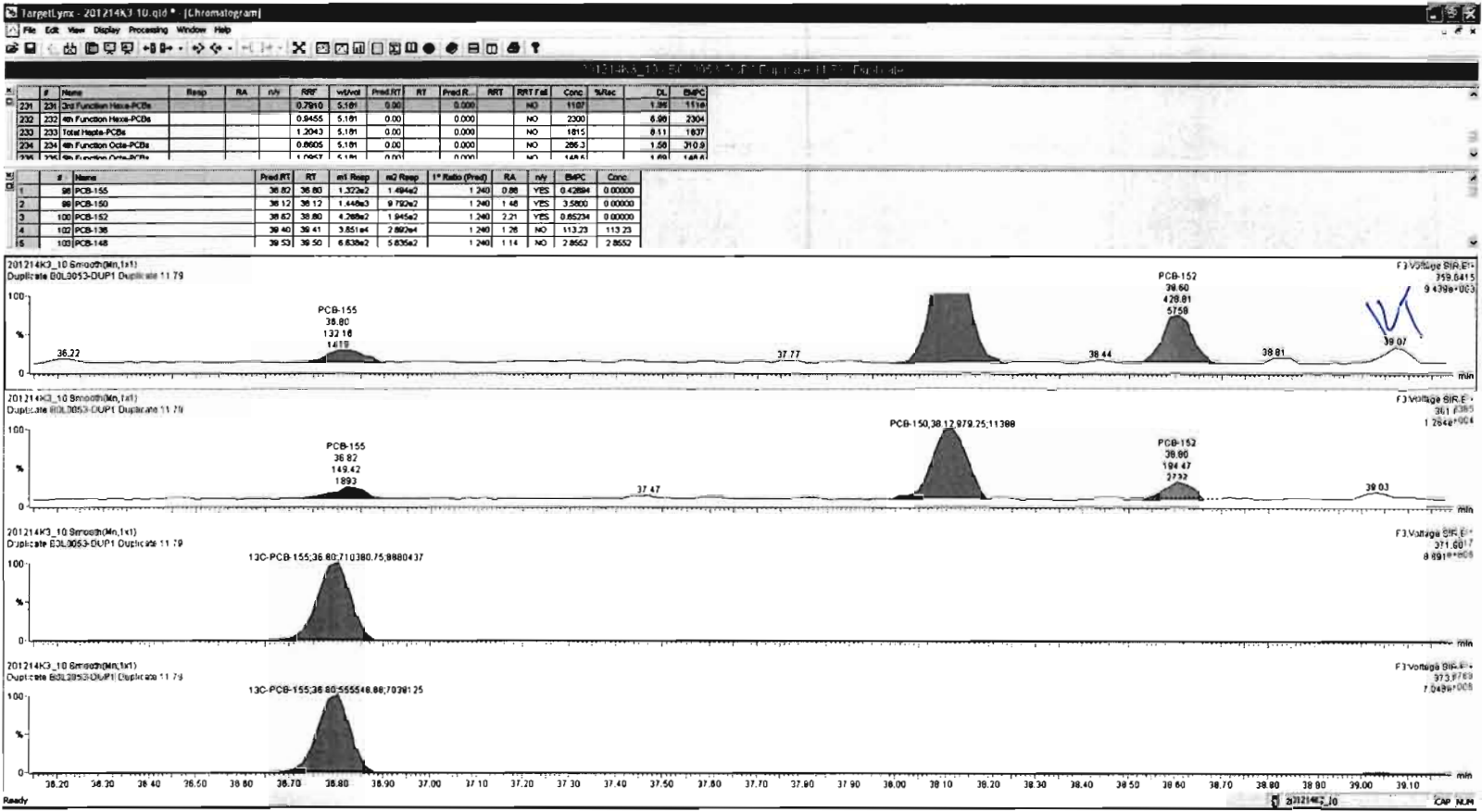
201214K3\_10

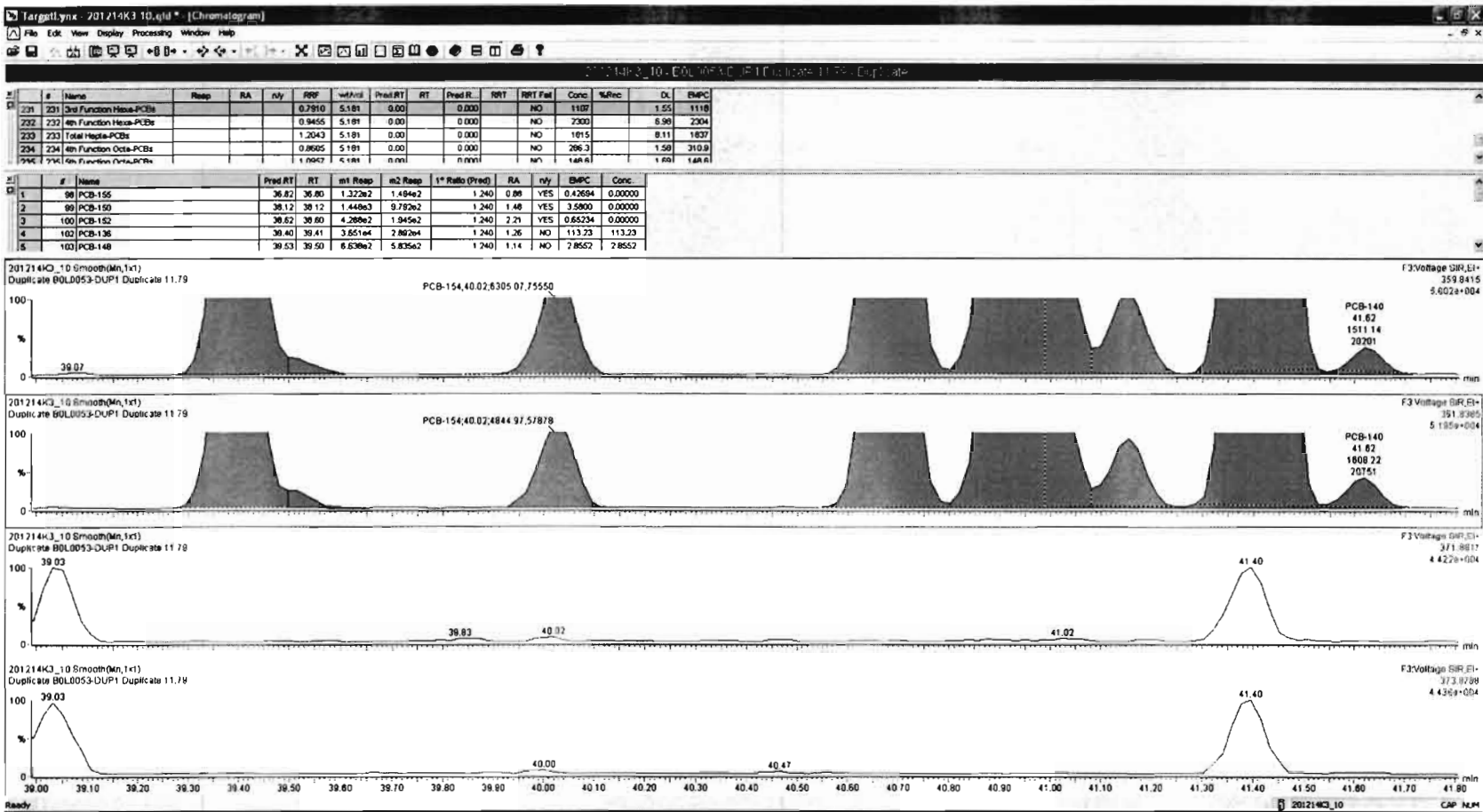


**PFK3c**

201214K3\_10







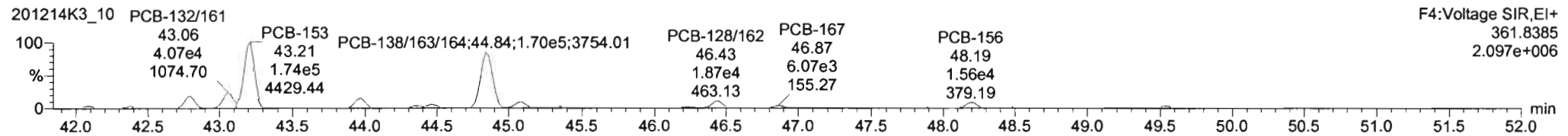
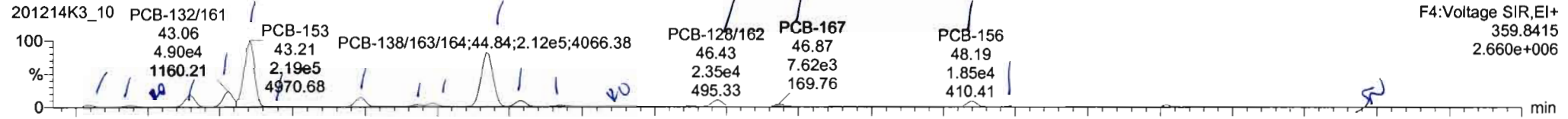
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Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time

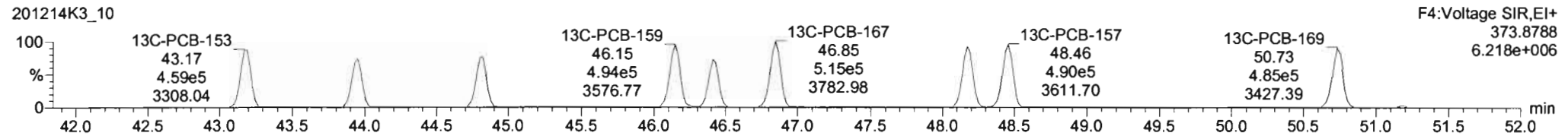
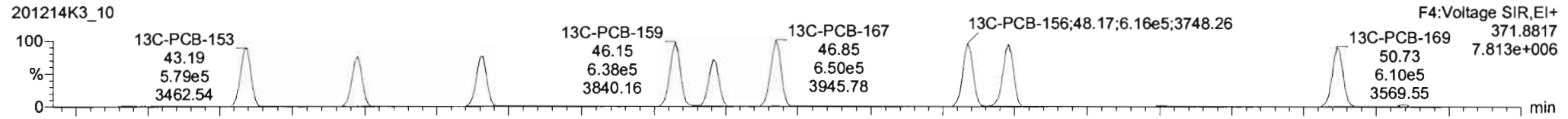
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

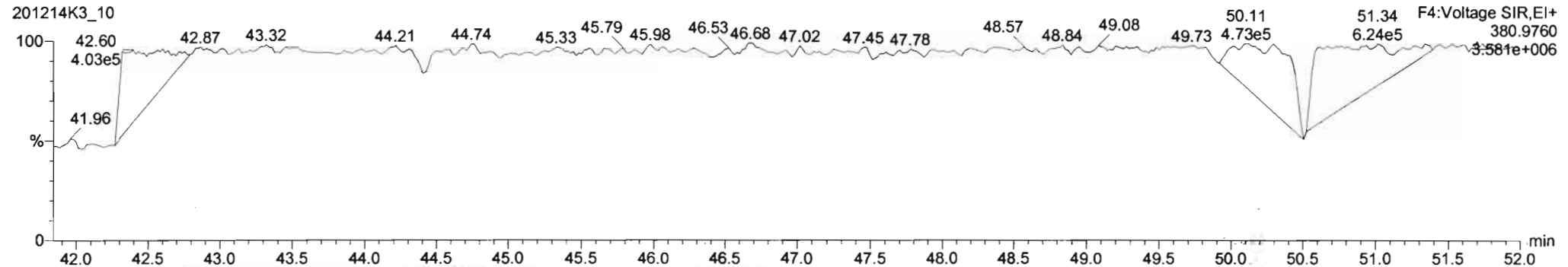
**PCB-134/143**

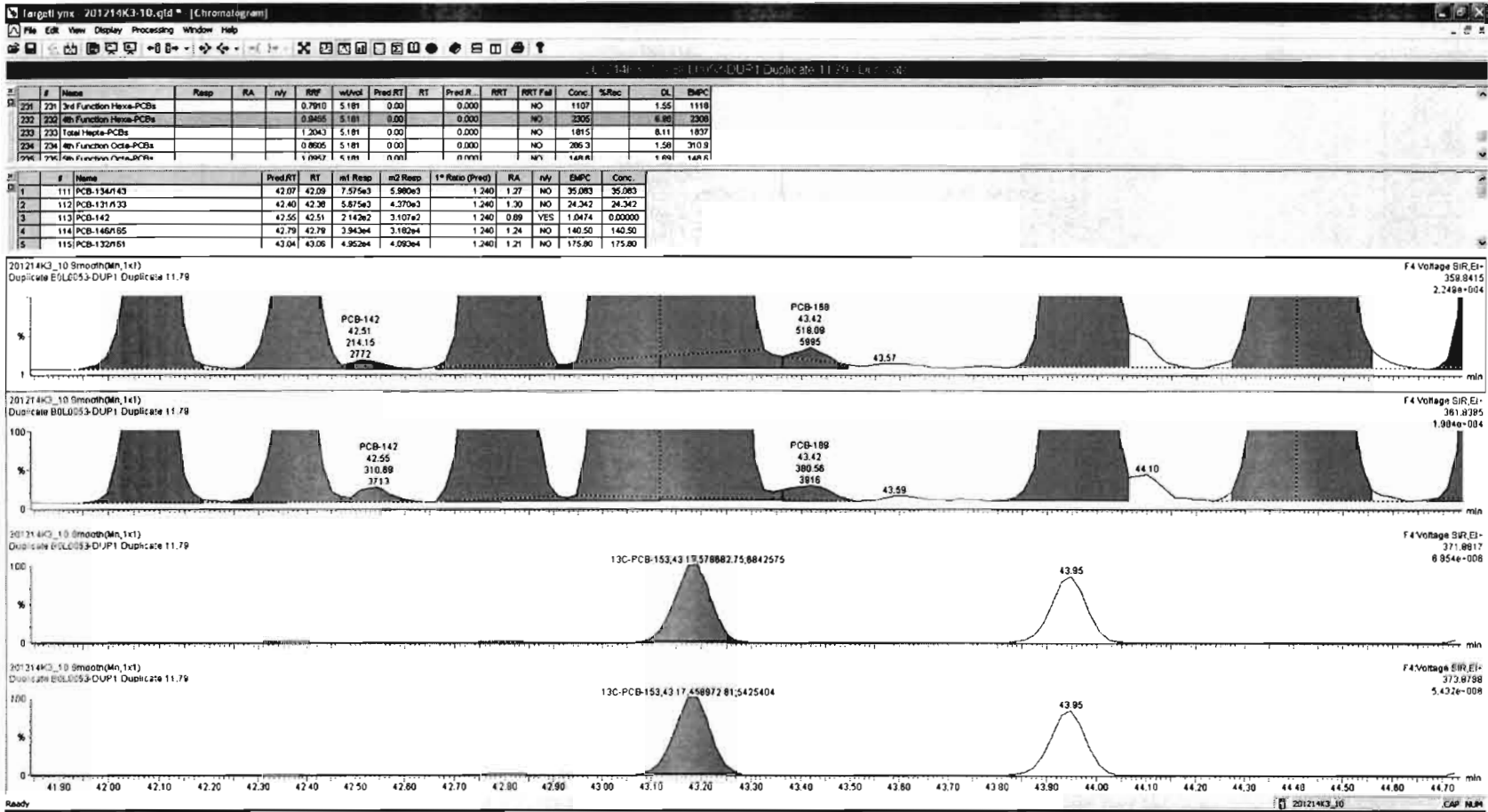


**13C-PCB-153**

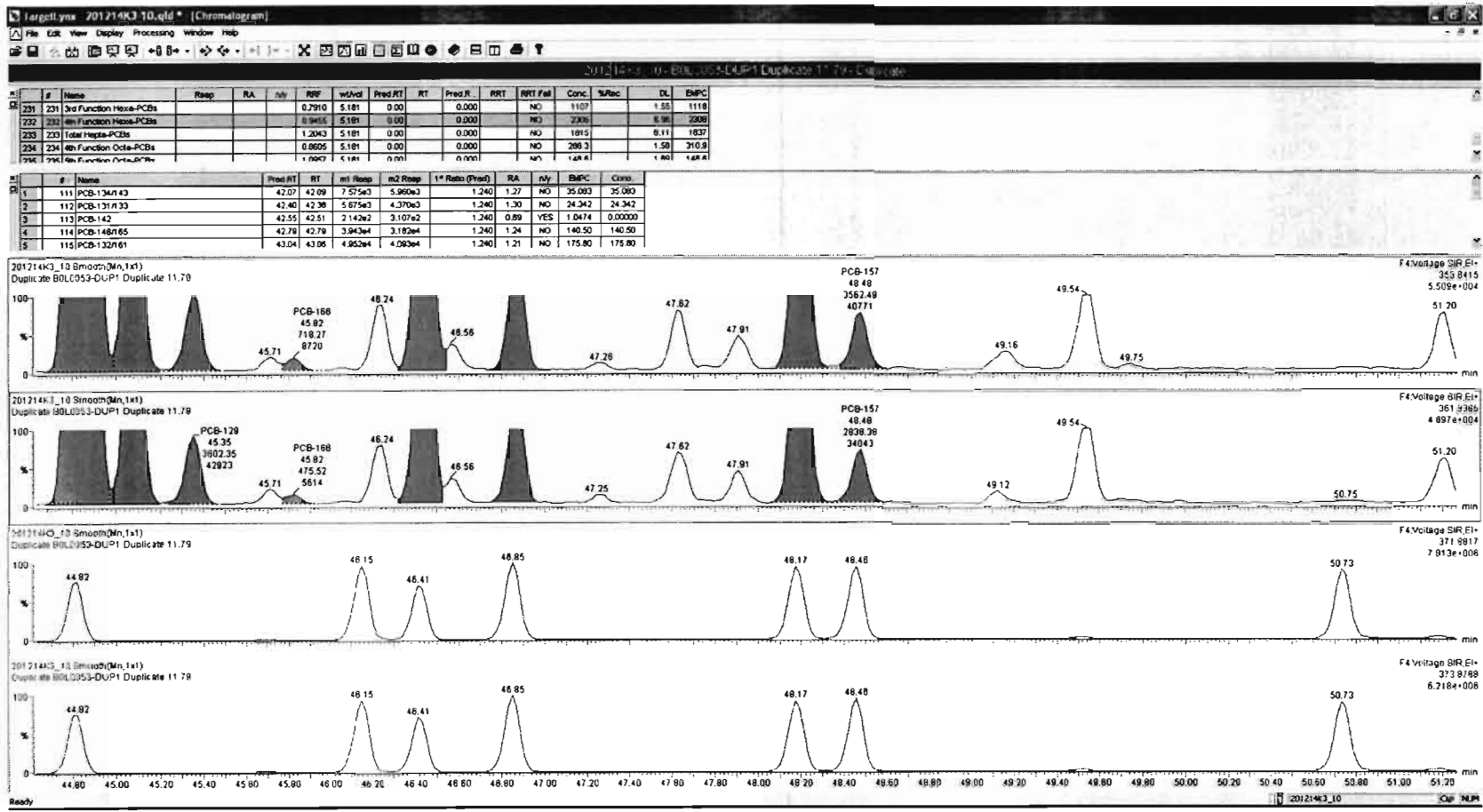


**PFK4b**







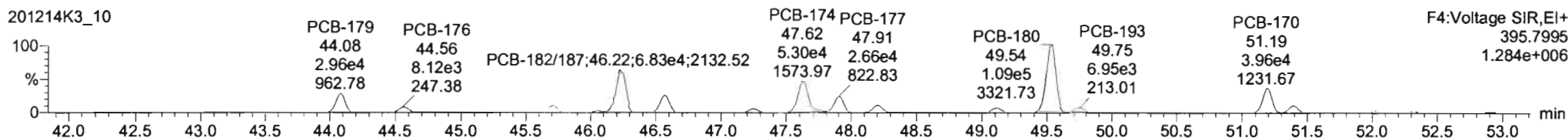
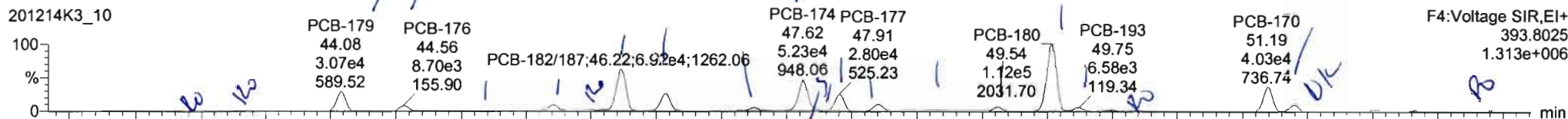


Dataset: Untitled

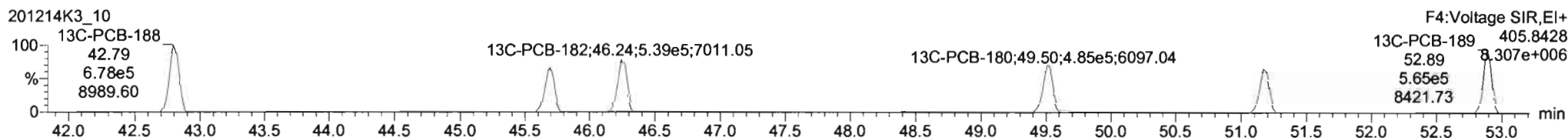
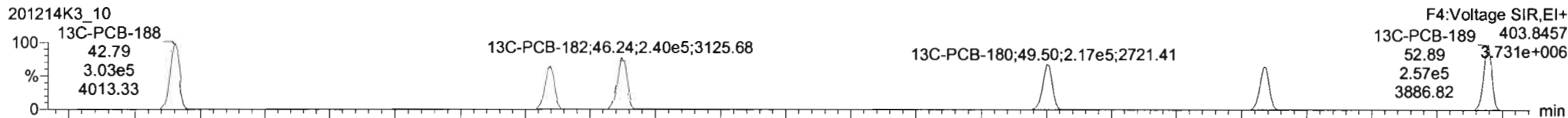
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

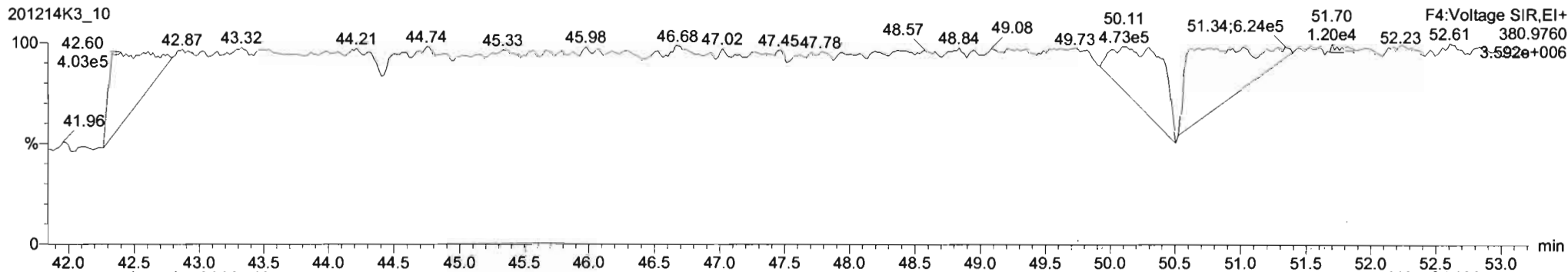
**PCB-188**

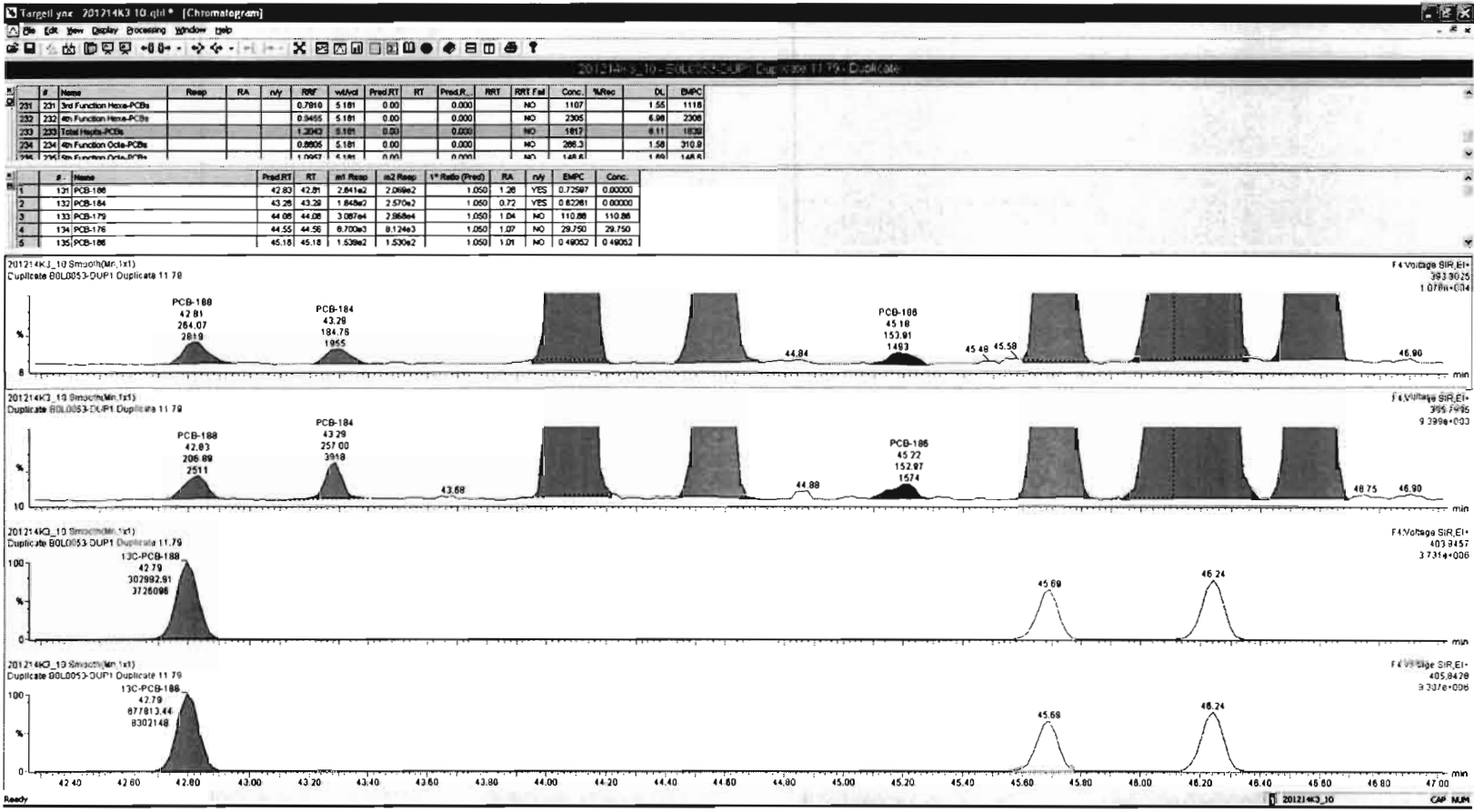


**13C-PCB-188**



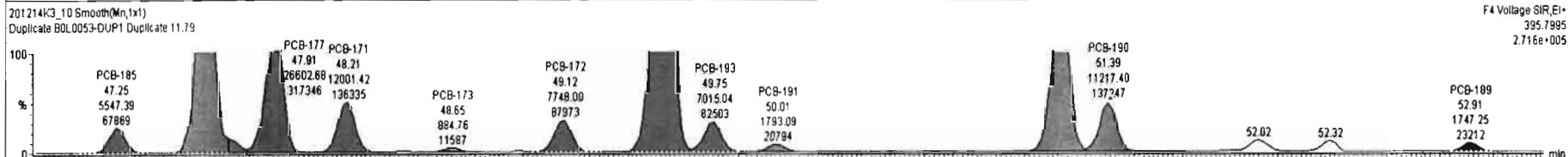
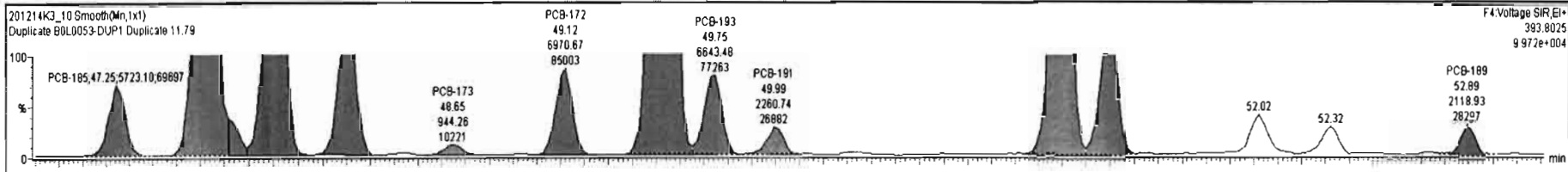
**PFK4c**





#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs				0.7910	5.181	0.00		0.000		NO	1107		1.55	1118
232	232 4th Function Hexa-PCBs				0.9455	5.191	0.00		0.000		NO	2305		6.90	2308
233	233 Total Hepta-PCBs				1.2043	5.181	0.00		0.000		NO	1817		8.11	1839
234	234 4th Function Octa-PCBs				0.8606	5.181	0.00		0.000		NO	286.3		1.58	310.9
235	235 4th Function Octa-PCBs				1.0637	5.181	0.00		0.000		NO	148.6		1.69	148.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
19	150 PCB-191	49.99	49.99	2.261e3	1.793e3	1.050	1.26	YES	6.7168	0.00000
20	151 PCB-170	51.19	51.19	4.048e4	3.964e4	1.050	1.02	NO	193.09	193.09
21	152 PCB-190	51.40	51.39	1.063e4	1.122e4	1.050	0.95	NO	40.266	40.266
22	153 PCB-189	52.91	52.89	2.119e3	1.747e3	1.050	1.21	YES	6.6131	0.00000

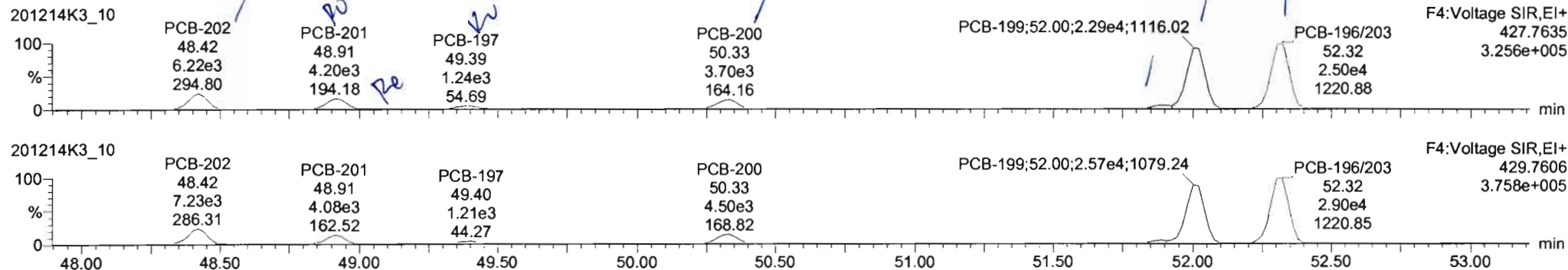


Dataset: Untitled

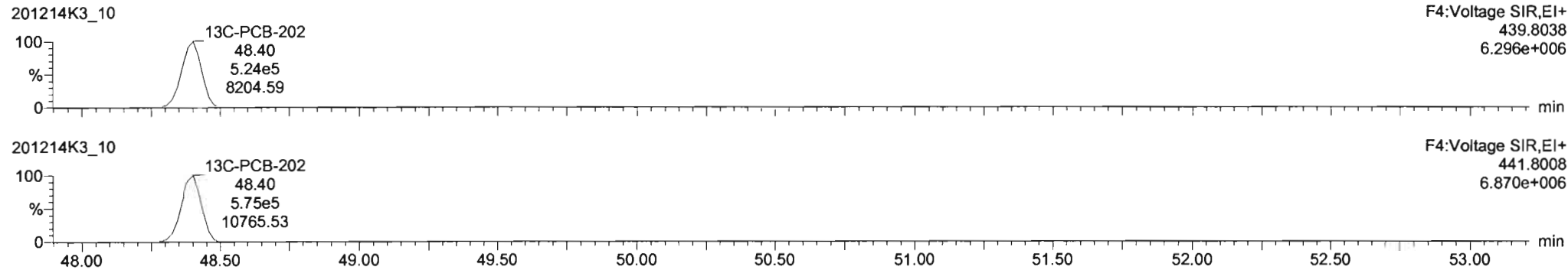
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

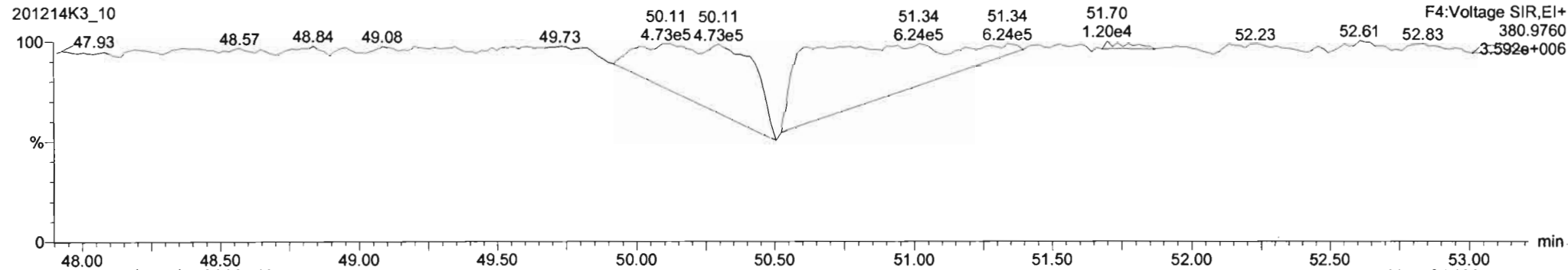
**PCB-202**

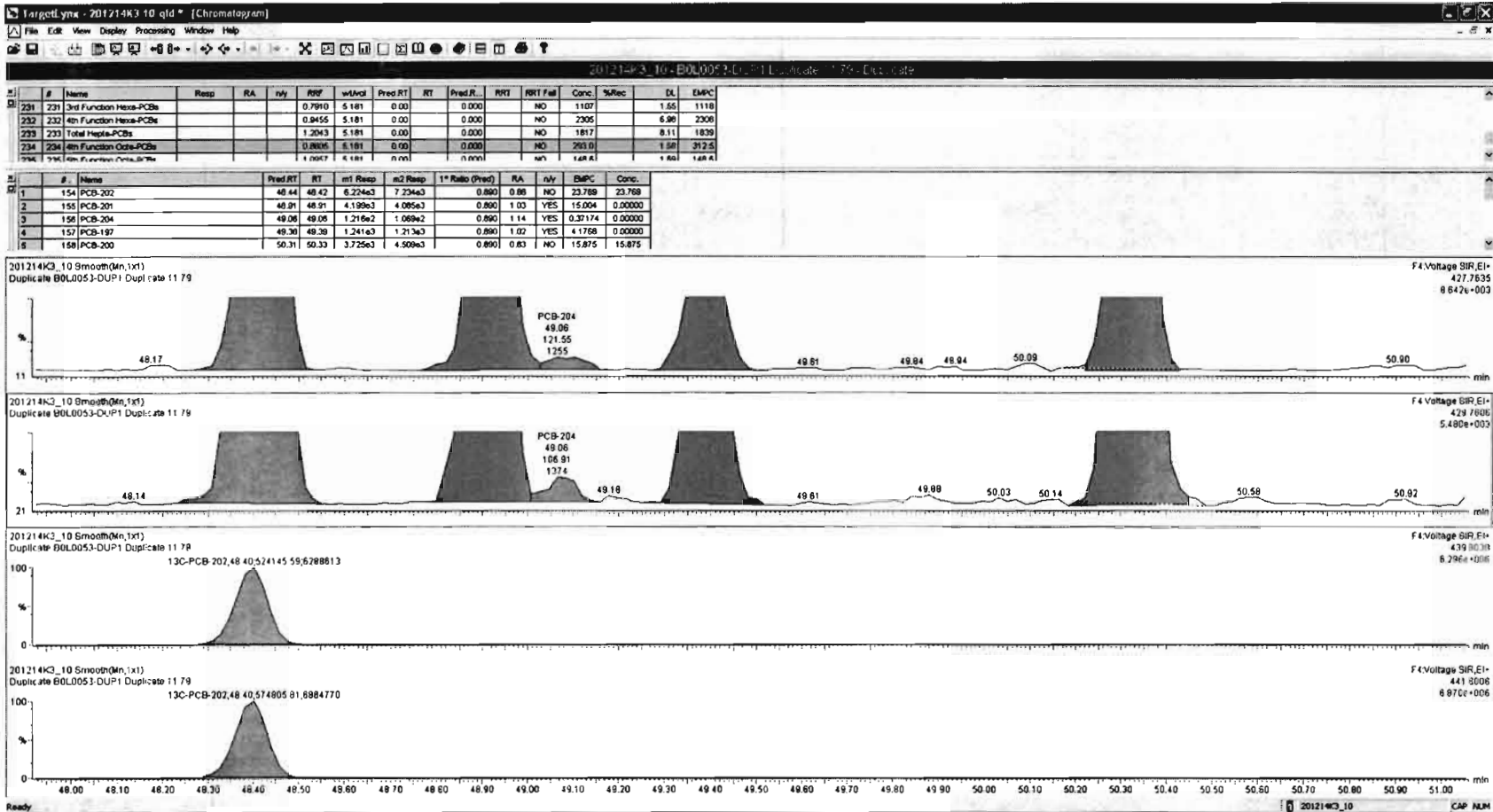


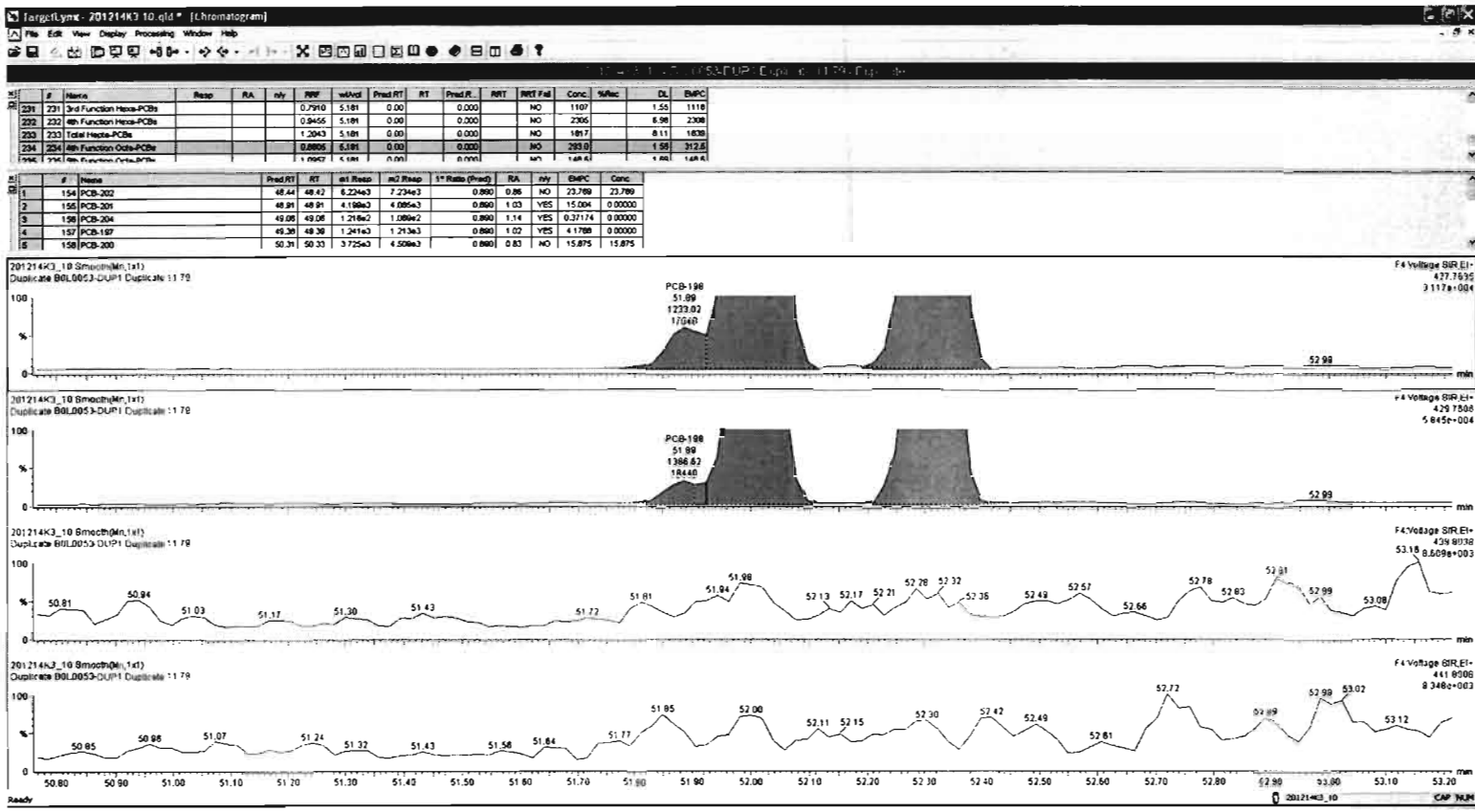
**13C-PCB-202**



**PFK4d**





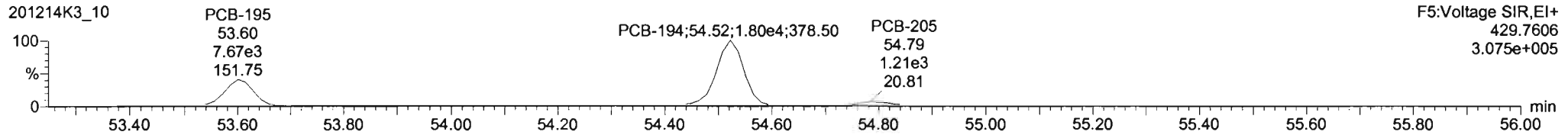
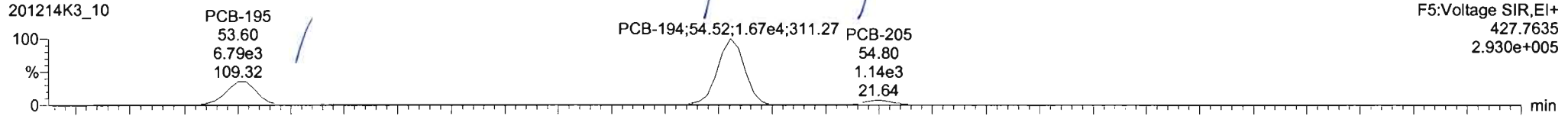


Dataset: Untitled

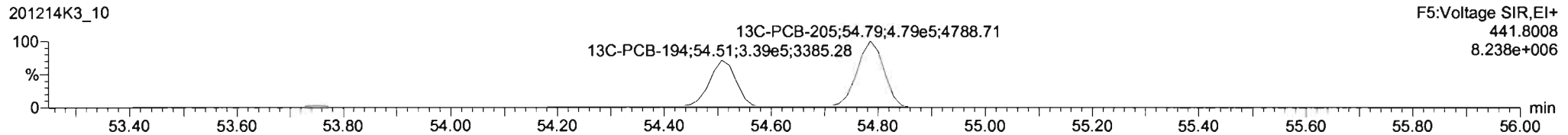
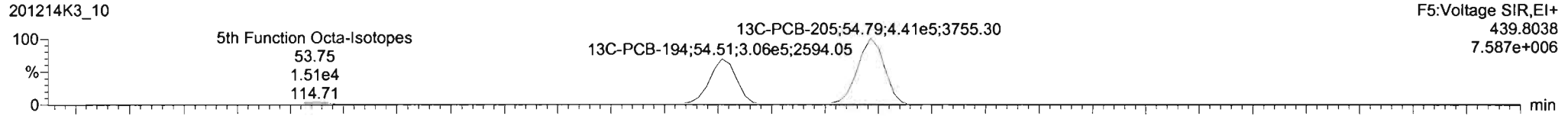
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

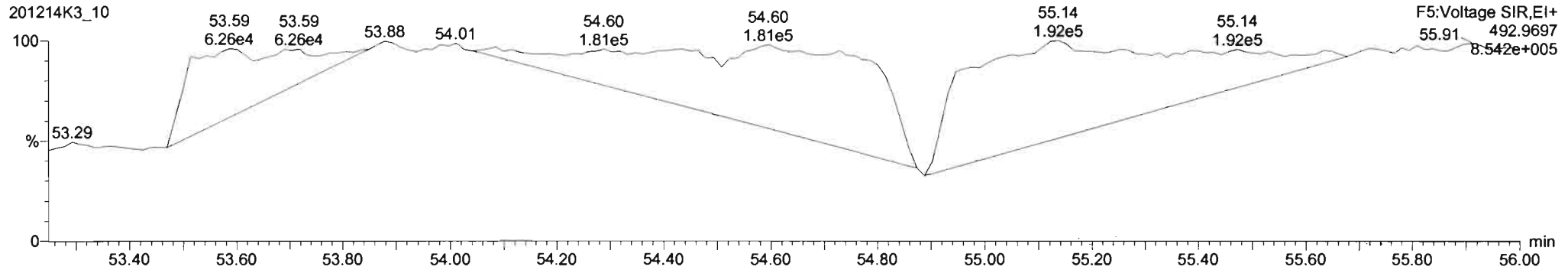
**PCB-195**



**13C-PCB-194**



**PFK5a**



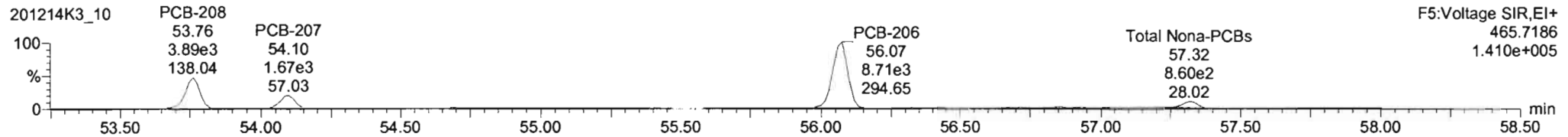
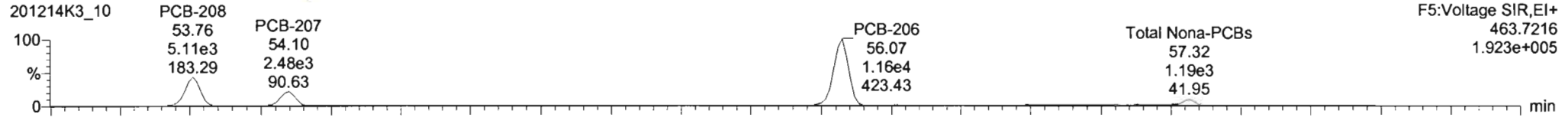


Dataset: Untitled

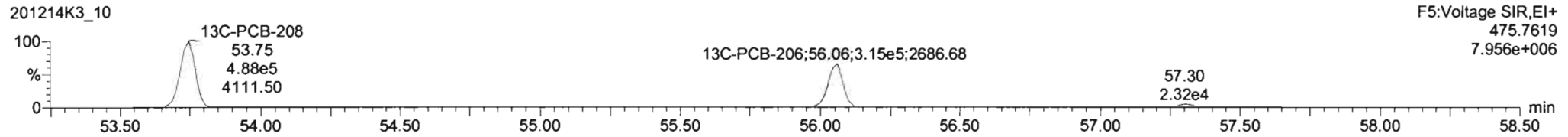
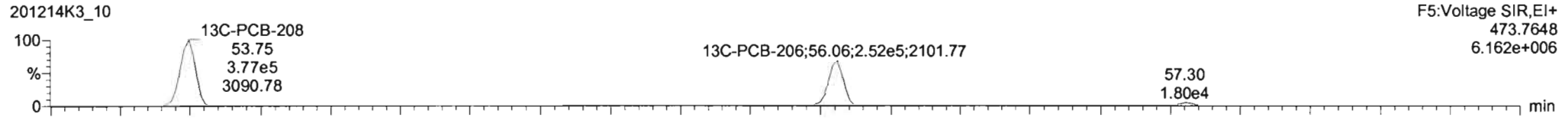
Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

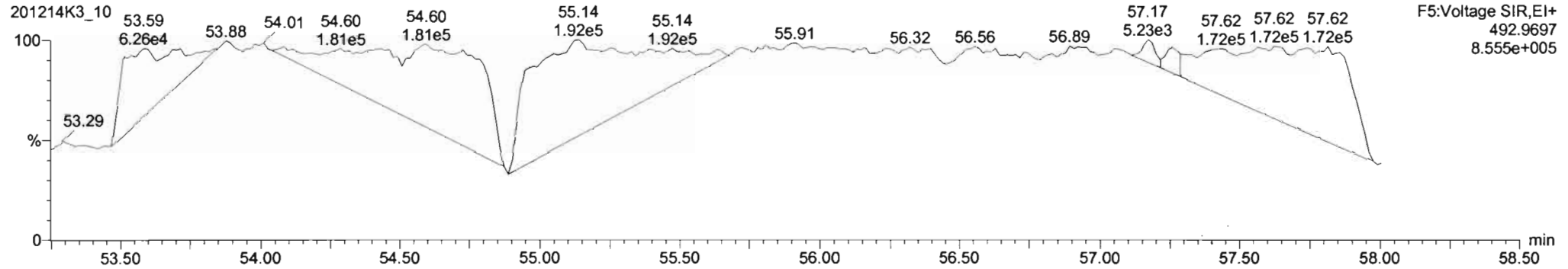
PCB-208



13C-PCB-208



PFK5



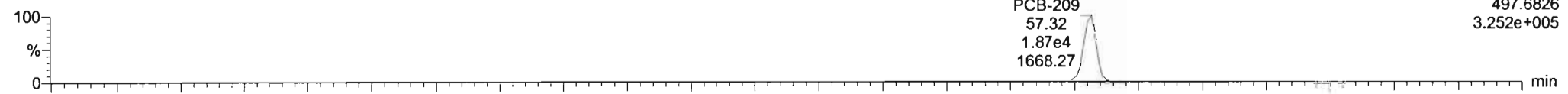
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 14:21:39 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 14:21:56 Pacific Standard Time

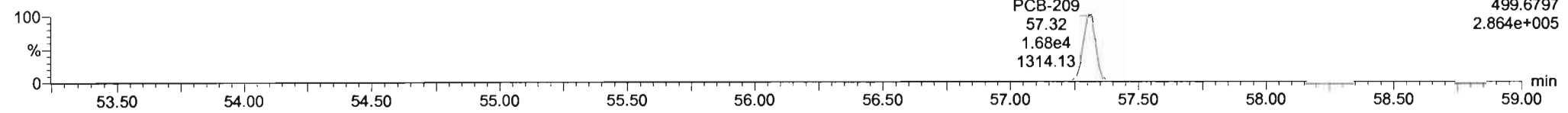
Name: 201214K3\_10, Date: 15-Dec-2020, Time: 11:31:49, ID: B0L0053-DUP1 Duplicate 11.79, Description: Duplicate

**PCB-209**

201214K3\_10

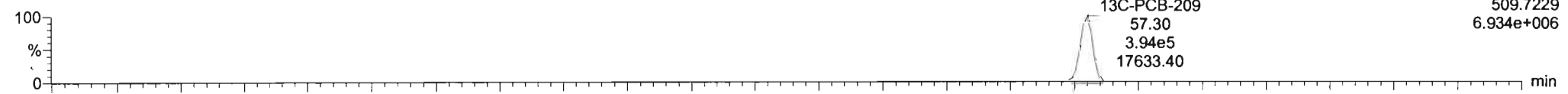


201214K3\_10

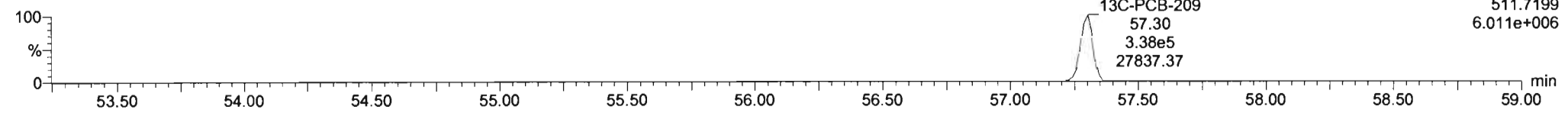


**13C-PCB-209**

201214K3\_10

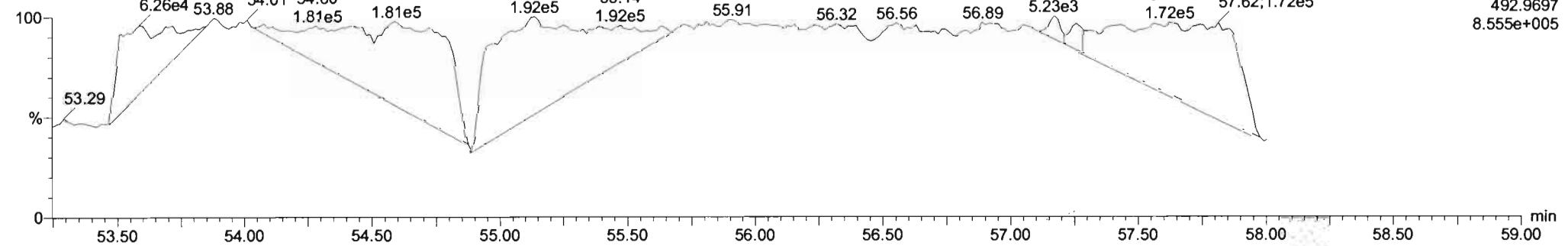


201214K3\_10



**PFK5b**

201214K3\_10



Dataset: U:\VG11.PRO\Results\201215K1\201215K1-3.qld

Last Altered: Thursday, December 17, 2020 12:06:52 Pacific Standard Time

Printed: Thursday, December 17, 2020 12:16:41 Pacific Standard Time

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12/26/20*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.24e4	3.02	NO	0.986	5.077	15.49	15.50	1.001	1.001	NO	13.42		0.438	13.42
2	2 PCB-2	1.60e4	3.23	NO	1.02	5.077	17.92	17.94	0.988	0.989	NO	13.28		0.158	13.28
3	3 PCB-3	1.01e4	3.36	NO	1.00	5.077	18.15	18.15	1.001	1.001	NO	8.546		0.161	8.546
4	4 PCB-4/10	1.94e4	1.51	NO	1.21	5.077	19.51	19.45	1.004	1.001	NO	24.27		0.596	24.27
5	5 PCB-7/9	7.62e3	1.33	NO	0.939	5.077	21.28	21.26	1.003	1.002	NO	7.359		0.485	7.359
6	6 PCB-6	1.23e4	1.49	NO	0.996	5.077	21.93	21.92	1.033	1.033	NO	11.22		0.457	11.22
7	7 PCB-5/8	5.01e4	1.59	NO	0.976	5.077	22.33	22.32	1.052	1.051	NO	46.59		0.466	46.59
8	8 PCB-14			NO	1.02	5.077	23.46		0.951		YES			0.502	
9	9 PCB-11	7.15e4	1.57	NO	1.12	5.077	24.68	24.68	1.001	1.001	NO	60.01		0.461	60.01
10	10 PCB-12/13	8.34e3	1.43	NO	1.02	5.077	25.11	25.05	1.018	1.016	NO	7.668		0.505	7.668
11	11 PCB-15	5.06e4	1.63	NO	1.02	5.077	25.39	25.39	1.030	1.030	NO	46.62		0.506	46.62
12	12 PCB-19	1.45e4	0.99	NO	0.972	5.077	23.65	23.64	1.001	1.001	NO	22.59		0.306	22.59
13	13 PCB-30			NO	1.54	5.077	24.56		1.040		YES			0.193	
14	14 PCB-18	5.15e4	1.02	NO	0.719	5.077	25.31	25.31	0.952	0.952	NO	73.45		0.279	73.45
15	15 PCB-17	2.71e4	1.04	NO	0.672	5.077	25.48	25.48	0.958	0.958	NO	41.30		0.299	41.30
16	16 PCB-24/27	7.49e3	1.05	NO	0.932	5.077	26.06	26.05	0.980	0.980	NO	8.238		0.215	8.238
17	17 PCB-16/32	4.18e4	1.04	NO	0.824	5.077	26.61	26.60	1.001	1.000	NO	52.04		0.243	52.04
18	18 PCB-34	1.36e3	1.01	NO	0.878	5.077	27.40	27.42	0.958	0.959	NO	1.540		0.340	1.540
19	19 PCB-23			NO	0.892	5.077	27.50		0.962		YES			0.335	
20	20 PCB-29	9.62e2	1.31	YES	0.861	5.077	27.76	27.76	0.971	0.971	NO	1.108		0.346	0.9790
21	21 PCB-26	2.58e4	1.06	NO	0.915	5.077	27.99	27.98	0.979	0.979	NO	27.99		0.326	27.99
22	22 PCB-25	1.65e4	1.04	NO	0.915	5.077	28.14	28.15	0.984	0.984	NO	17.87		0.326	17.87
23	23 PCB-31	1.26e5	1.01	NO	1.03	5.077	28.51	28.52	0.997	0.997	NO	121.1		0.290	121.1
24	24 PCB-28	1.72e5	1.06	NO	1.01	5.077	28.61	28.61	1.001	1.001	NO	168.4		0.294	168.4
25	25 PCB-20/21/33	6.59e4	1.04	NO	0.913	5.077	29.25	29.28	1.023	1.024	NO	71.66		0.327	71.66
26	26 PCB-22	4.34e4	1.09	NO	0.948	5.077	29.69	29.71	1.038	1.039	NO	45.44		0.315	45.44
27	27 PCB-36	8.48e2	1.05	NO	1.07	5.077	30.36	30.34	0.932	0.931	NO	0.8727		0.300	0.8727
28	28 PCB-39	8.68e2	1.02	NO	1.00	5.077	30.84	30.83	0.946	0.946	NO	0.9516		0.319	0.9516
29	29 PCB-38	3.15e3	1.18	NO	1.05	5.077	31.63	31.65	0.970	0.971	NO	3.296		0.305	3.296
30	30 PCB-35	3.59e3	0.96	NO	1.05	5.077	32.17	32.19	0.987	0.987	NO	3.776		0.306	3.776

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-3.qld

Last Altered: Thursday, December 17, 2020 12:06:52 Pacific Standard Time

Printed: Thursday, December 17, 2020 12:16:41 Pacific Standard Time

Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
31	31 PCB-37	5.30e4	1.07	NO	1.03	5.077	32.61	32.61	1.001	1.001	NO	56.69		0.311	56.69
32	32 PCB-54	5.10e3	0.79	NO	0.974	5.077	27.46	27.46	1.001	1.001	NO	6.835		0.249	6.835
33	33 PCB-50	1.17e3	0.62	YES	0.803	5.077	28.66	28.67	1.044	1.045	NO	1.898		0.302	1.662
34	34 PCB-53	2.59e4	0.73	NO	0.939	5.077	29.32	29.34	0.943	0.944	NO	46.64		0.355	46.64
35	35 PCB-51	2.01e4	0.78	NO	1.00	5.077	29.68	29.67	0.955	0.955	NO	34.01		0.334	34.01
36	36 PCB-45	1.25e4	0.77	NO	0.802	5.077	30.13	30.12	0.969	0.969	NO	26.37		0.416	26.37
37	37 PCB-46	5.50e3	0.67	NO	0.770	5.077	30.63	30.62	0.985	0.985	NO	12.07		0.433	12.07
38	38 PCB-52/69	2.00e5	0.75	NO	1.08	5.077	31.12	31.12	1.001	1.001	NO	312.7		0.308	312.7
39	39 PCB-73	1.05e3	0.81	NO	1.31	5.077	31.24	31.22	1.005	1.004	NO	1.363		0.255	1.363
40	40 PCB-43/49	1.35e5	0.75	NO	0.925	5.077	31.41	31.44	1.010	1.011	NO	246.1		0.360	246.1
41	41 PCB-47	7.74e4	0.78	NO	0.863	5.077	31.65	31.65	1.001	1.001	NO	140.4		0.370	140.4
42	42 PCB-48/75	2.38e4	0.79	NO	1.04	5.077	31.78	31.77	1.005	1.005	NO	35.85		0.308	35.85
43	43 PCB-65			NO	1.16	5.077	32.06		1.014		YES			0.276	
44	44 PCB-62			NO	1.04	5.077	32.15		1.016		YES			0.308	
45	45 PCB-44	1.13e5	0.76	NO	0.757	5.077	32.48	32.46	1.027	1.026	NO	233.2		0.422	233.2
46	46 PCB-42/59	4.38e4	0.73	NO	0.975	5.077	32.71	32.69	1.034	1.034	NO	70.25		0.328	70.25
47	47 PCB-41/64/71/72	1.39e5	0.75	NO	1.12	5.077	33.31	33.28	1.053	1.052	NO	195.2		0.286	195.2
48	48 PCB-68	3.88e3	0.66	NO	1.19	5.077	33.58	33.56	1.062	1.061	NO	5.098		0.269	5.098
49	49 PCB-40	1.48e4	0.72	NO	0.572	5.077	33.81	33.77	1.069	1.068	NO	40.49		0.558	40.49
50	50 PCB-57	1.22e3	0.80	NO	1.08	5.077	34.14	34.16	0.969	0.969	NO	1.446		0.232	1.446
51	51 PCB-67	5.79e3	0.85	NO	1.02	5.077	34.45	34.46	0.978	0.978	NO	7.242		0.246	7.242
52	52 PCB-58	1.23e3	0.86	NO	1.08	5.077	34.57	34.57	0.981	0.981	NO	1.440		0.231	1.440
53	53 PCB-63	8.72e3	0.81	NO	0.971	5.077	34.74	34.73	0.986	0.986	NO	11.42		0.258	11.42
54	54 PCB-74	9.74e4	0.78	NO	1.09	5.077	35.04	35.03	0.994	0.994	NO	113.9		0.230	113.9
55	55 PCB-61/70	2.68e5	0.75	NO	0.978	5.077	35.25	35.26	1.000	1.001	NO	348.0		0.256	348.0
56	56 PCB-76/66	2.28e5	0.74	NO	1.07	5.077	35.43	35.46	1.005	1.006	NO	271.2		0.234	271.2
57	57 PCB-80			NO	1.08	5.077	35.69		1.001		YES			0.226	
58	58 PCB-55	3.40e3	0.70	NO	1.06	5.077	36.02	35.98	1.010	1.009	NO	3.822		0.228	3.822
59	59 PCB-56/60	1.21e5	0.77	NO	0.946	5.077	36.53	36.52	1.024	1.024	NO	153.1		0.257	153.1
60	60 PCB-79	5.75e3	0.62	YES	1.06	5.077	37.63	37.64	1.055	1.055	NO	6.497		0.229	5.731
61	61 PCB-78	1.03e3	0.70	NO	1.01	5.077	38.34	38.31	0.987	0.986	NO	1.220		0.242	1.220
62	62 PCB-81	1.43e3	0.66	NO	0.941	5.077	38.88	38.90	1.000	1.001	NO	1.813		0.259	1.813
63	63 PCB-77	2.69e4	0.77	NO	1.03	5.077	39.50	39.50	1.000	1.000	NO	31.55		0.243	31.55

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-3.qld

Last Altered: Thursday, December 17, 2020 12:06:52 Pacific Standard Time

Printed: Thursday, December 17, 2020 12:16:41 Pacific Standard Time

Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
64	64 PCB-104	1.02e3	1.77	NO	0.982	5.077	32.32	32.31	1.001	1.001	NO	1.404		0.201	1.404
65	65 PCB-96	3.60e3	1.73	NO	0.982	5.077	33.61	33.60	1.041	1.040	NO	4.966		0.201	4.966
66	66 PCB-103	6.88e3	1.78	NO	0.770	5.077	34.17	34.16	1.058	1.058	NO	12.13		0.256	12.13
67	67 PCB-100	6.68e3	1.57	NO	0.805	5.077	34.54	34.53	1.070	1.069	NO	11.25		0.245	11.25
68	68 PCB-94	2.79e3	1.41	NO	0.831	5.077	34.99	34.99	0.985	0.985	NO	6.183		0.334	6.183
69	69 PCB-95/98/102	2.24e5	1.50	NO	1.07	5.077	35.49	35.57	0.999	1.001	NO	384.7		0.259	384.7
70	70 PCB-93	4.34e3	1.66	NO	0.761	5.077	35.63	35.63	1.003	1.003	NO	10.49		0.364	10.49
71	71 PCB-88/91	4.48e4	1.50	NO	0.910	5.077	35.96	35.98	1.012	1.013	NO	90.52		0.305	90.52
72	72 PCB-121	1.24e3	1.42	NO	1.46	5.077	36.07	36.04	1.015	1.014	NO	1.562		0.189	1.562
73	73 PCB-84/92	1.22e5	1.56	NO	0.826	5.077	36.91	36.91	0.990	0.990	NO	235.2		0.292	235.2
74	74 PCB-89	2.68e3	1.82	YES	0.885	5.077	37.09	37.10	0.995	0.995	NO	4.825		0.273	4.384
75	75 PCB-90/101	3.61e5	1.57	NO	0.905	5.077	37.30	37.30	1.000	1.000	NO	636.3		0.267	636.3
76	76 PCB-113	7.13e3	1.44	NO	1.26	5.077	37.54	37.58	1.007	1.008	NO	9.024		0.192	9.024
77	77 PCB-99	1.57e5	1.58	NO	0.993	5.077	37.64	37.64	1.010	1.009	NO	251.6		0.243	251.6
78	78 PCB-119	1.55e4	1.42	NO	1.53	5.077	38.12	38.12	0.987	0.987	NO	19.00		0.188	19.00
79	79 PCB-108/112	1.46e4	1.48	NO	1.25	5.077	38.28	38.29	0.991	0.991	NO	22.04		0.230	22.04
80	80 PCB-83			NO	1.56	5.077	38.44		0.995		YES			0.184	
81	81 PCB-97	8.38e4	1.50	NO	1.12	5.077	38.64	38.64	1.000	1.000	NO	140.1		0.256	140.1
82	82 PCB-86	9.45e2	1.61	NO	1.06	5.077	38.79	38.83	1.004	1.005	NO	1.677		0.271	1.677
83	83 PCB-87/117/125	1.25e5	1.53	NO	1.34	5.077	38.93	38.94	1.008	1.008	NO	174.9		0.214	174.9
84	84 PCB-111/115	5.11e3	1.46	NO	1.62	5.077	39.09	39.09	1.012	1.012	NO	5.938		0.178	5.938
85	85 PCB-85/116	5.22e4	1.58	NO	1.23	5.077	39.21	39.20	1.015	1.015	NO	79.59		0.233	79.59
86	86 PCB-120	3.18e3	1.75	NO	1.79	5.077	39.48	39.50	1.022	1.023	NO	3.327		0.160	3.327
87	87 PCB-110	4.64e5	1.56	NO	1.50	5.077	39.63	39.61	1.026	1.026	NO	581.4		0.191	581.4
88	88 PCB-82	2.65e4	1.59	NO	0.638	5.077	40.29	40.26	0.976	0.975	NO	56.88		0.349	56.88
89	89 PCB-124	1.56e4	1.42	NO	1.08	5.077	41.00	40.97	0.993	0.992	NO	19.83		0.207	19.83
90	90 PCB-107/109	3.18e4	1.46	NO	1.11	5.077	41.14	41.14	0.996	0.996	NO	39.26		0.201	39.26
91	91 PCB-123	5.60e3	1.68	NO	1.00	5.077	41.31	41.30	1.000	1.000	NO	7.651		0.223	7.651
92	92 PCB-106/118	3.88e5	1.58	NO	1.02	5.077	41.51	41.49	1.001	1.000	NO	481.5		0.204	481.5
93	93 PCB-114	6.79e3	1.63	NO	1.08	5.077	42.15	42.15	1.000	1.000	NO	10.04		0.537	10.04
94	94 PCB-122	3.61e3	1.44	NO	0.930	5.077	42.30	42.30	1.004	1.004	NO	6.222		0.626	6.222
95	95 PCB-105	1.26e5	1.55	NO	1.03	5.077	43.04	43.04	1.000	1.000	NO	184.2		0.533	184.2
96	96 PCB-127			NO	1.06	5.077	43.40		1.000		YES			0.509	

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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
97	97 PCB-126	2.32e3	1.53	NO	1.15	5.077	45.35	45.35	1.000	1.000	NO	3.338		0.552	3.338
98	98 PCB-155	5.45e2	1.12	NO	0.853	5.077	36.82	36.82	1.000	1.001	NO	0.9362		0.111	0.9362
99	99 PCB-150	2.05e3	1.31	NO	0.934	5.077	38.12	38.12	1.036	1.036	NO	3.207		0.102	3.207
100	1... PCB-152	8.03e2	1.05	NO	1.02	5.077	38.62	38.62	1.049	1.050	NO	1.155		0.0932	1.155
101	1... PCB-145	1.25e2	1.13	NO	0.983	5.077	39.09	39.07	1.062	1.062	NO	0.1865		0.0966	0.1865
102	1... PCB-136	6.68e4	1.29	NO	0.881	5.077	39.40	39.40	1.071	1.071	NO	111.1		0.108	111.1
103	1... PCB-148	1.66e3	1.31	NO	0.666	5.077	39.53	39.50	1.074	1.073	NO	3.659		0.142	3.659
104	1... PCB-154	9.69e3	1.29	NO	0.721	5.077	40.03	40.04	1.088	1.088	NO	19.69		0.132	19.69
105	1... PCB-151	8.61e4	1.27	NO	0.674	5.077	40.70	40.69	1.106	1.106	NO	187.1		0.141	187.1
106	1... PCB-135	4.68e4	1.25	NO	0.723	5.077	40.93	40.91	1.112	1.112	NO	94.81		0.131	94.81
107	1... PCB-144	1.56e4	1.30	NO	0.691	5.077	41.02	41.04	1.115	1.115	NO	32.96		0.137	32.96
108	1... PCB-147	8.94e3	1.13	NO	0.713	5.077	41.16	41.17	1.119	1.119	NO	18.37		0.133	18.37
109	1... PCB-139/149	3.19e5	1.29	NO	0.773	5.077	41.44	41.43	1.126	1.126	NO	603.6		0.123	603.6
110	1... PCB-140	2.54e3	1.59	YES	0.652	5.077	41.64	41.62	1.131	1.131	NO	5.703		0.146	4.941
111	1... PCB-134/143	1.54e4	1.18	NO	0.718	5.077	42.07	42.09	0.974	0.975	NO	36.07		0.609	36.07
112	1... PCB-131/133	1.06e4	1.25	NO	0.768	5.077	42.40	42.40	0.982	0.982	NO	23.32		0.570	23.32
113	1... PCB-142	2.00e2	1.62	YES	0.687	5.077	42.55	42.55	0.985	0.985	NO	0.4892		0.636	0.4188
114	1... PCB-146/165	7.59e4	1.27	NO	0.943	5.077	42.79	42.81	0.991	0.991	NO	135.5		0.464	135.5
115	1... PCB-132/161	1.09e5	1.22	NO	0.957	5.077	43.04	43.08	0.997	0.997	NO	191.6		0.457	191.6
116	1... PCB-153	4.39e5	1.24	NO	0.990	5.077	43.23	43.23	1.001	1.001	NO	747.3		0.442	747.3
117	1... PCB-168	7.39e2	0.79	YES	1.03	5.077	43.44	43.44	1.006	1.006	NO	1.203		0.423	0.9606
118	1... PCB-141	6.50e4	1.25	NO	0.948	5.077	43.99	43.99	1.000	1.000	NO	139.4		0.560	139.4
119	1... PCB-137	1.26e4	1.32	NO	0.964	5.077	44.36	44.37	1.009	1.009	NO	26.56		0.551	26.56
120	1... PCB-130	1.92e4	1.22	NO	0.816	5.077	44.48	44.48	1.012	1.012	NO	47.83		0.650	47.83
121	1... PCB-138/163/164	4.65e5	1.23	NO	1.15	5.077	44.88	44.86	1.001	1.001	NO	764.7		0.430	764.7
122	1... PCB-158/160	4.47e4	1.22	NO	1.14	5.077	45.12	45.10	1.007	1.006	NO	74.55		0.436	74.55
123	1... PCB-129	1.01e4	1.21	NO	0.807	5.077	45.37	45.37	1.012	1.012	NO	23.66		0.616	23.66
124	1... PCB-166	1.38e3	1.26	NO	1.03	5.077	45.85	45.82	0.993	0.993	NO	2.125		0.413	2.125
125	1... PCB-159			NO	1.10	5.077	46.18		1.000		YES			0.388	
126	1... PCB-128/162	5.37e4	1.23	NO	0.836	5.077	46.47	46.45	1.007	1.006	NO	102.2		0.509	102.2
127	1... PCB-167	1.67e4	1.29	NO	0.960	5.077	46.88	46.89	1.000	1.000	NO	27.15		0.421	27.15
128	1... PCB-156	4.31e4	1.25	NO	1.06	5.077	48.21	48.21	1.000	1.000	NO	66.04		0.404	66.04
129	1... PCB-157	8.61e3	1.26	NO	0.960	5.077	48.50	48.50	1.000	1.000	NO	14.63		0.452	14.63

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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
130	1... PCB-169			NO	1.04	5.077	50.77		1.000		YES			0.456	
131	1... PCB-188	4.37e2	1.17	NO	1.15	5.077	42.85	42.81	1.001	1.000	NO	0.6587		0.314	0.6587
132	1... PCB-184	5.12e2	1.14	NO	1.14	5.077	43.30	43.30	1.011	1.012	NO	0.7785		0.316	0.7785
133	1... PCB-179	6.79e4	1.03	NO	1.07	5.077	44.10	44.10	1.030	1.030	NO	109.6		0.335	109.6
134	1... PCB-176	1.88e4	0.94	NO	1.11	5.077	44.57	44.57	1.041	1.041	NO	29.26		0.324	29.26
135	1... PCB-186			NO	1.23	5.077	45.20		1.056		YES			0.293	
136	1... PCB-178	2.35e4	1.08	NO	0.830	5.077	45.73	45.71	1.068	1.068	NO	49.09		0.434	49.09
137	1... PCB-175	4.56e3	1.04	NO	0.853	5.077	46.07	46.07	1.076	1.076	NO	9.267		0.423	9.267
138	1... PCB-182/187	1.54e5	1.05	NO	0.942	5.077	46.26	46.24	1.081	1.080	NO	284.4		0.383	284.4
139	1... PCB-183	6.53e4	1.01	NO	0.910	5.077	46.58	46.58	1.088	1.088	NO	124.4		0.396	124.4
140	1... PCB-185	1.26e4	1.04	NO	1.24	5.077	47.28	47.26	0.954	0.954	NO	26.76		0.473	26.76
141	1... PCB-174	1.08e5	1.05	NO	1.20	5.077	47.66	47.64	0.962	0.962	NO	236.3		0.489	236.3
142	1... PCB-181			NO	1.33	5.077	47.76		0.964		YES			0.441	
143	1... PCB-177	6.19e4	1.02	NO	1.14	5.077	47.95	47.93	0.968	0.967	NO	142.4		0.514	142.4
144	1... PCB-171	2.80e4	1.00	NO	1.22	5.077	48.24	48.21	0.974	0.973	NO	60.38		0.481	60.38
145	1... PCB-173	1.83e3	0.90	NO	1.07	5.077	48.69	48.67	0.983	0.982	NO	4.508		0.549	4.508
146	1... PCB-172	1.65e4	0.96	NO	1.26	5.077	49.14	49.14	0.992	0.992	NO	34.40		0.466	34.40
147	1... PCB-192			NO	1.61	5.077	49.35		0.996		YES			0.363	
148	1... PCB-180	2.44e5	1.02	NO	1.30	5.077	49.56	49.56	1.000	1.000	NO	493.0		0.451	493.0
149	1... PCB-193	1.56e4	0.92	NO	1.47	5.077	49.76	49.76	1.004	1.005	NO	27.78		0.398	27.78
150	1... PCB-191	4.66e3	1.02	NO	1.51	5.077	50.03	50.01	1.010	1.010	NO	8.128		0.389	8.128
151	1... PCB-170	8.66e4	1.01	NO	1.23	5.077	51.21	51.21	1.000	1.000	NO	202.5		0.501	202.5
152	1... PCB-190	2.44e4	1.14	NO	1.61	5.077	51.42	51.41	1.005	1.004	NO	43.72		0.384	43.72
153	1... PCB-189	4.44e3	1.04	NO	1.27	5.077	52.93	52.93	1.000	1.000	NO	7.682		0.325	7.682
154	1... PCB-202	1.51e4	0.88	NO	0.995	5.077	48.46	48.44	1.001	1.000	NO	25.21		0.141	25.21
155	1... PCB-201	8.93e3	0.87	NO	0.904	5.077	48.93	48.93	1.010	1.011	NO	16.39		0.155	16.39
156	1... PCB-204	3.11e2	1.10	YES	0.955	5.077	49.08	49.10	1.014	1.014	NO	0.5410		0.147	0.4876
157	1... PCB-197	2.58e3	0.82	NO	0.964	5.077	49.40	49.41	1.020	1.020	NO	4.439		0.146	4.439
158	1... PCB-200	8.15e3	0.85	NO	0.911	5.077	50.33	50.35	1.039	1.040	NO	14.85		0.154	14.85
159	1... PCB-198	2.08e3	0.89	NO	0.696	5.077	51.89	51.92	1.072	1.072	NO	4.962		0.202	4.962
160	1... PCB-199	5.09e4	0.92	NO	0.706	5.077	52.02	52.04	1.074	1.075	NO	119.6		0.199	119.6
161	1... PCB-196/203	5.77e4	0.92	NO	0.754	5.077	52.32	52.34	1.081	1.081	NO	127.0		0.186	127.0
162	1... PCB-195	1.47e4	0.94	NO	0.957	5.077	53.62	53.62	0.984	0.983	NO	42.99		0.536	42.99

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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
163	1... PCB-194	3.84e4	0.92	NO	1.06	5.077	54.54	54.54	1.000	1.000	NO	101.3		0.484	101.3
164	1... PCB-205	2.28e3	0.70	YES	1.27	5.077	54.81	54.80	1.005	1.005	NO	5.016		0.404	4.404
165	1... PCB-208	3.94e4	1.32	NO	0.861	5.077	53.76	53.78	1.000	1.001	NO	96.52		1.06	96.52
166	1... PCB-207	2.55e4	1.34	NO	0.849	5.077	54.10	54.10	1.007	1.007	NO	63.46		1.08	63.46
167	1... PCB-206	4.47e4	1.36	NO	0.951	5.077	56.07	56.07	1.000	1.000	NO	151.2		1.36	151.2
168	1... PCB-209	1.12e6	1.18	NO	0.863	5.077	57.30	57.32	1.000	1.000	NO	3352		0.219	3352
169	1... 13C-PCB-1	1.85e6	3.06	NO	0.937	5.077	15.43	15.48	0.608	0.610	NO	1542	78.3	1.61	
170	1... 13C-PCB-3	2.32e6	3.06	NO	0.934	5.077	18.06	18.14	0.712	0.715	YES	1939	98.4	1.62	
171	1... 13C-PCB-4	1.30e6	1.58	NO	0.599	5.077	19.41	19.43	0.765	0.766	NO	1696	86.1	0.590	
172	1... 13C-PCB-9	2.17e6	1.57	NO	0.960	5.077	21.22	21.22	0.836	0.837	NO	1765	89.6	0.368	
173	1... 13C-PCB-11	2.10e6	1.58	NO	0.929	5.077	24.65	24.66	0.971	0.972	NO	1766	89.7	0.380	
174	1... 13C-PCB-19	1.30e6	1.03	NO	0.506	5.077	23.62	23.62	0.931	0.931	NO	2003	102	6.01	
175	1... 13C-PCB-32	1.92e6	1.03	NO	0.738	5.077	26.61	26.59	1.049	1.048	NO	2032	103	4.12	
176	1... 13C-PCB-28	1.98e6	1.03	NO	1.06	5.077	28.61	28.59	1.004	1.003	NO	1969	100	3.73	
177	1... 13C-PCB-37	1.79e6	1.04	NO	0.979	5.077	32.59	32.59	1.143	1.144	NO	1924	97.7	4.04	
178	1... 13C-PCB-54	1.51e6	0.78	NO	0.981	5.077	27.43	27.44	0.751	0.752	NO	1760	89.3	0.814	
179	1... 13C-PCB-52	1.17e6	0.77	NO	0.786	5.077	31.09	31.09	0.852	0.852	NO	1697	86.1	1.02	
180	1... 13C-PCB-47	1.26e6	0.81	NO	0.833	5.077	31.60	31.63	0.866	0.866	NO	1731	87.9	0.959	
181	1... 13C-PCB-70	1.55e6	0.77	NO	0.981	5.077	35.23	35.24	0.965	0.965	NO	1806	91.7	0.814	
182	1... 13C-PCB-80	1.65e6	0.78	NO	1.01	5.077	35.66	35.67	0.977	0.977	NO	1858	94.3	0.788	
183	1... 13C-PCB-81	1.65e6	0.78	NO	0.995	5.077	38.86	38.87	1.064	1.065	NO	1903	96.6	0.803	
184	1... 13C-PCB-77	1.63e6	0.78	NO	0.977	5.077	39.48	39.48	1.082	1.082	NO	1913	97.1	0.818	
185	1... 13C-PCB-104	1.45e6	1.58	NO	1.00	5.077	32.29	32.30	0.826	0.827	NO	1758	89.3	0.545	
186	1... 13C-PCB-95	1.07e6	1.56	NO	0.779	5.077	35.53	35.53	0.910	0.910	NO	1672	84.9	0.703	
187	1... 13C-PCB-101	1.24e6	1.56	NO	0.833	5.077	37.28	37.28	0.954	0.954	NO	1805	91.7	0.657	
188	1... 13C-PCB-97	1.05e6	1.58	NO	0.679	5.077	38.62	38.62	0.988	0.989	NO	1878	95.3	0.806	
189	1... 13C-PCB-123	1.44e6	1.50	NO	0.970	5.077	41.26	41.28	1.056	1.057	NO	1805	91.6	0.564	
190	1... 13C-PCB-118	1.55e6	1.58	NO	1.00	5.077	41.45	41.47	1.061	1.061	NO	1887	95.8	0.547	
191	1... 13C-PCB-114	1.23e6	1.54	NO	1.55	5.077	42.14	42.13	0.908	0.907	NO	1659	84.3	0.766	
192	1... 13C-PCB-105	1.31e6	1.55	NO	1.59	5.077	43.02	43.02	0.927	0.927	NO	1715	87.1	0.745	
193	1... 13C-PCB-127	1.37e6	1.58	NO	1.66	5.077	43.39	43.38	0.934	0.934	NO	1723	87.5	0.715	
194	1... 13C-PCB-126	1.19e6	1.57	NO	1.65	5.077	45.33	45.33	0.976	0.976	NO	1514	76.9	0.721	
195	1... 13C-PCB-155	1.34e6	1.26	NO	0.819	5.077	36.80	36.80	0.942	0.942	NO	1996	101	0.351	



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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
196	1... 13C-PCB-153	1.17e6	1.28	NO	1.31	5.077	43.20	43.19	0.930	0.930	NO	1863	94.6	1.00	
197	1... 13C-PCB-141	9.68e5	1.26	NO	1.08	5.077	43.97	43.97	0.947	0.947	NO	1868	94.8	1.21	
198	1... 13C-PCB-138	1.04e6	1.25	NO	1.15	5.077	44.82	44.82	0.965	0.965	NO	1883	95.6	1.14	
199	1... 13C-PCB-159	1.24e6	1.26	NO	1.39	5.077	46.16	46.17	0.994	0.994	NO	1858	94.3	0.944	
200	2... 13C-PCB-167	1.26e6	1.28	NO	1.43	5.077	46.86	46.87	1.009	1.009	NO	1853	94.1	0.923	
201	2... 13C-PCB-156	1.21e6	1.26	NO	1.34	5.077	48.20	48.19	1.038	1.038	NO	1889	95.9	0.983	
202	2... 13C-PCB-157	1.21e6	1.25	NO	1.36	5.077	48.46	48.48	1.044	1.044	NO	1858	94.3	0.969	
203	2... 13C-PCB-169	1.14e6	1.25	NO	1.33	5.077	50.73	50.75	1.092	1.093	NO	1791	91.0	0.988	
204	2... 13C-PCB-188	1.14e6	0.45	NO	1.39	5.077	42.81	42.81	0.925	0.925	NO	1902	96.5	0.604	
205	2... 13C-PCB-180	7.50e5	0.45	NO	0.907	5.077	49.53	49.54	1.071	1.071	NO	1926	97.8	0.926	
206	2... 13C-PCB-170	6.84e5	0.45	NO	0.823	5.077	51.18	51.19	1.106	1.106	NO	1935	98.3	1.02	
207	2... 13C-PCB-189	8.95e5	0.44	NO	1.08	5.077	52.88	52.91	1.143	1.144	NO	1936	98.3	0.781	
208	2... 13C-PCB-202	1.19e6	0.91	NO	1.23	5.077	48.41	48.42	1.046	1.047	NO	2244	114	0.493	
209	2... 13C-PCB-194	7.04e5	0.89	NO	0.710	5.077	54.52	54.52	0.995	0.995	NO	2165	110	1.51	
210	2... 13C-PCB-208	9.33e5	0.79	NO	0.865	5.077	53.76	53.75	0.981	0.981	NO	2353	119	1.23	
211	2... 13C-PCB-206	6.13e5	0.81	NO	0.623	5.077	56.07	56.06	1.023	1.023	NO	2147	109	1.71	
212	2... 13C-PCB-209	7.63e5	1.20	NO	0.725	5.077	57.31	57.30	1.046	1.046	NO	2298	117	0.394	
213	2... 13C-PCB-15	2.52e6	1.56	NO	1.00	5.077	25.39	25.37	1.000	0.000	NO	1970	100	0.353	
214	2... 13C-PCB-31	1.87e6	1.03	NO	1.00	5.077	28.52	28.50	1.000	0.000	NO	1970	100	3.95	
215	2... 13C-PCB-60	1.72e6	0.79	NO	1.00	5.077	36.54	36.50	1.000	0.000	NO	1970	100	0.799	
216	2... 13C-PCB-111	1.62e6	1.60	NO	1.00	5.077	39.11	39.07	1.000	0.000	NO	1970	100	0.548	
217	2... 13C-PCB-128	9.42e5	1.29	NO	1.00	5.077	46.47	46.43	1.000	0.000	NO	1970	100	1.32	
218	2... 13C-PCB-182	8.46e5	0.45	NO	1.00	5.077	46.30	46.26	0.000	0.000	NO	1970	100	0.840	
219	2... 13C-PCB-205	9.03e5	0.92	NO	1.00	5.077	54.81	54.78	1.000	0.000	NO	1970	100	1.07	
220	2... 13C-PCB-79	1.84e6	0.76	NO	1.04	5.077	37.60	37.60	1.030	1.030	NO	2036	103	0.771	
221	2... 13C-PCB-178	7.67e5	0.45	NO	0.774	5.077	45.70	45.69	0.988	0.988	NO	2071	105	0.964	
222	2... 13C-PCB-79	1.84e6	0.77	NO	1.04	5.077	37.61	37.60	0.968	0.967	NO	2101	107	0.824	
223	2... 13C-PCB-178	7.67e5	0.45	NO	1.02	5.077	45.71	45.69	0.923	0.922	NO	1978	100	0.969	
224	2... Total Mono-PCBs				1.00	5.077	0.00		0.000		NO	35.24		0.756	35.24
225	2... Total Di-PCBs				1.04	5.077	0.00		0.000		NO	203.7		3.98	203.7
226	2... 2nd Function Tri-PCBs				0.943	5.077	0.00		0.000		NO	197.6		1.53	197.6
227	2... 3rd Function Tri-PCBs				0.969	5.077	0.00		0.000		NO	519.6	777.2	4.44	520.6
228	2... Total Tetra-PCBs				0.991	5.077	0.00		0.000		NO	2353		9.51	2360

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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
229	2... 3rd Function Penta-PCBs				1.11	5.077	0.00		0.000		NO	3288		6.91	3293
230	2... 4th Function Penta-PCBs				1.05	5.077	0.00		0.000		NO	203.8	> 3491.8	2.76	203.8
231	2... 3rd Function Hexa-PCBs				0.791	5.077	0.00		0.000		NO	1077		1.60	1082
232	2... 4th Function Hexa-PCBs				0.946	5.077	0.00		0.000		NO	2423	> 3500	9.89	2424
233	2... Total Hepta-PCBs				1.20	5.077	0.00		0.000		NO	1895		9.44	1895
234	2... 4th Function Octa-PCBs				0.860	5.077	0.00		0.000		NO	312.4		1.33	312.9
235	2... 5th Function Octa-PCBs				1.10	5.077	0.00		0.000		NO	144.3	> 456.7	1.42	148.7
236	2... Total Nona-PCBs				0.887	5.077	0.00		0.000		NO	311.2		3.50	311.2
237	2... Deca-CB				0.863	5.077	0.00		0.000		NO	3352		0.219	3352
238	2... Total PCBs														

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.49	15.50	8.118e4	2.818e4	9.345e3	3.092e3	3.02	NO	1.244e4	13.421	13.421	0.438
2	PCB-2	17.92	17.94	2.175e5	6.513e4	1.221e4	3.774e3	3.23	NO	1.598e4	13.277	13.277	0.158
3	PCB-3	18.15	18.15	1.338e5	3.781e4	7.776e3	2.315e3	3.36	NO	1.009e4	8.5461	8.5461	0.161

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.51	19.45	1.794e5	1.197e5	1.165e4	7.732e3	1.51	NO	1.938e4	24.268	24.268	0.596
2	PCB-7/9	21.28	21.26	4.515e4	3.146e4	4.349e3	3.266e3	1.33	NO	7.615e3	7.3586	7.3586	0.485
3	PCB-6	21.93	21.92	1.159e5	7.744e4	7.381e3	4.943e3	1.49	NO	1.232e4	11.222	11.222	0.457
4	PCB-5/8	22.33	22.32	4.729e5	3.146e5	3.073e4	1.938e4	1.59	NO	5.011e4	46.594	46.594	0.466
5	PCB-11	24.68	24.68	6.699e5	4.405e5	4.367e4	2.785e4	1.57	NO	7.152e4	60.013	60.013	0.461
6	PCB-12/13	25.11	25.05	6.489e4	4.186e4	4.915e3	3.428e3	1.43	NO	8.343e3	7.6680	7.6680	0.505
7	PCB-15	25.39	25.39	4.943e5	2.968e5	3.138e4	1.924e4	1.63	NO	5.062e4	46.618	46.618	0.506

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.65	23.64	1.167e5	1.058e5	7.219e3	7.274e3	0.99	NO	1.449e4	22.590	22.590	0.306
2	PCB-18	25.31	25.31	3.971e5	3.960e5	2.604e4	2.550e4	1.02	NO	5.154e4	73.450	73.450	0.279
3	PCB-17	25.48	25.48	2.090e5	2.078e5	1.382e4	1.324e4	1.04	NO	2.706e4	41.300	41.300	0.299
4	PCB-24/27	26.06	26.05	5.287e4	5.098e4	3.832e3	3.660e3	1.05	NO	7.492e3	8.2377	8.2377	0.215
5	PCB-16/32	26.61	26.60	2.182e5	2.134e5	2.138e4	2.046e4	1.04	NO	4.185e4	52.037	52.037	0.243

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3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.40	27.42	9.434e3	9.394e3	6.834e2	6.786e2	1.01	NO	1.362e3	1.5401	1.5401	0.340
2	PCB-29	27.76	27.76	7.258e3	6.030e3	5.455e2	4.165e2	1.31	YES	9.620e2	0.00000	0.97898	0.346
3	PCB-26	27.99	27.98	1.728e5	1.624e5	1.330e4	1.250e4	1.06	NO	2.580e4	27.993	27.993	0.326
4	PCB-25	28.14	28.15	1.075e5	1.041e5	8.407e3	8.071e3	1.04	NO	1.648e4	17.865	17.865	0.326
5	PCB-31	28.51	28.52	9.064e5	8.744e5	6.329e4	6.244e4	1.01	NO	1.257e5	121.12	121.12	0.290
6	PCB-28	28.61	28.61	1.072e6	1.033e6	8.837e4	8.376e4	1.06	NO	1.721e5	168.43	168.43	0.294
7	PCB-20/21/33	29.25	29.28	4.077e5	3.819e5	3.362e4	3.228e4	1.04	NO	6.590e4	71.656	71.656	0.327
8	PCB-22	29.69	29.71	2.871e5	2.692e5	2.268e4	2.072e4	1.09	NO	4.340e4	45.436	45.436	0.315
9	PCB-36	30.36	30.34	5.875e3	5.551e3	4.347e2	4.132e2	1.05	NO	8.479e2	0.87273	0.87273	0.300
10	PCB-39	30.84	30.83	6.149e3	5.711e3	4.392e2	4.291e2	1.02	NO	8.683e2	0.95163	0.95163	0.319
11	PCB-38	31.63	31.65	1.864e4	1.639e4	1.704e3	1.443e3	1.18	NO	3.147e3	3.2960	3.2960	0.305
12	PCB-35	32.17	32.19	2.493e4	2.420e4	1.757e3	1.836e3	0.96	NO	3.593e3	3.7757	3.7757	0.306
13	PCB-37	32.61	32.61	3.461e5	3.275e5	2.734e4	2.565e4	1.07	NO	5.299e4	56.692	56.692	0.311

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ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.46	27.46	2.899e4	3.791e4	2.257e3	2.845e3	0.79	NO	5.102e3	6.8351	6.8351	0.249
2	PCB-50	28.66	28.67	5.498e3	7.630e3	4.446e2	7.225e2	0.62	YES	1.167e3	0.00000	1.6619	0.302
3	PCB-53	29.32	29.34	1.419e5	1.921e5	1.094e4	1.499e4	0.73	NO	2.593e4	46.643	46.643	0.355
4	PCB-51	29.68	29.67	1.100e5	1.440e5	8.816e3	1.131e4	0.78	NO	2.012e4	34.005	34.005	0.334
5	PCB-45	30.13	30.12	7.027e4	9.271e4	5.442e3	7.088e3	0.77	NO	1.253e4	26.371	26.371	0.416
6	PCB-46	30.63	30.62	2.753e4	4.294e4	2.205e3	3.300e3	0.67	NO	5.504e3	12.067	12.067	0.433
7	PCB-52/69	31.12	31.12	1.035e6	1.407e6	8.569e4	1.147e5	0.75	NO	2.004e5	312.74	312.74	0.308
8	PCB-73	31.24	31.22	9.385e3	8.711e3	4.714e2	5.825e2	0.81	NO	1.054e3	1.3627	1.3627	0.255
9	PCB-43/49	31.41	31.44	6.724e5	9.081e5	5.768e4	7.708e4	0.75	NO	1.348e5	246.06	246.06	0.360
10	PCB-47	31.65	31.65	3.919e5	5.010e5	3.389e4	4.355e4	0.78	NO	7.744e4	140.39	140.39	0.370
11	PCB-48/75	31.78	31.77	1.274e5	1.571e5	1.047e4	1.332e4	0.79	NO	2.379e4	35.853	35.853	0.308
12	PCB-44	32.48	32.46	6.376e5	8.272e5	4.870e4	6.428e4	0.76	NO	1.130e5	233.23	233.23	0.422
13	PCB-42/59	32.71	32.69	2.372e5	3.178e5	1.853e4	2.525e4	0.73	NO	4.378e4	70.250	70.250	0.328
14	PCB-41/64/71/72	33.31	33.28	6.986e5	9.548e5	5.986e4	7.945e4	0.75	NO	1.393e5	195.22	195.22	0.286
15	PCB-68	33.58	33.56	1.994e4	2.668e4	1.546e3	2.330e3	0.66	NO	3.876e3	5.0980	5.0980	0.269
16	PCB-40	33.81	33.77	7.934e4	1.117e5	6.203e3	8.617e3	0.72	NO	1.482e4	40.491	40.491	0.558
17	PCB-57	34.14	34.16	7.283e3	8.276e3	5.435e2	6.812e2	0.80	NO	1.225e3	1.4463	1.4463	0.232
18	PCB-67	34.45	34.46	3.044e4	3.678e4	2.658e3	3.129e3	0.85	NO	5.788e3	7.2421	7.2421	0.246
19	PCB-58	34.57	34.57	7.694e3	9.705e3	5.659e2	6.593e2	0.86	NO	1.225e3	1.4400	1.4400	0.231
20	PCB-63	34.74	34.73	5.175e4	6.348e4	3.907e3	4.810e3	0.81	NO	8.716e3	11.417	11.417	0.258
21	PCB-74	35.04	35.03	5.472e5	6.916e5	4.279e4	5.457e4	0.78	NO	9.737e4	113.86	113.86	0.230
22	PCB-61/70	35.25	35.26	1.455e6	1.947e6	1.150e5	1.527e5	0.75	NO	2.677e5	348.03	348.03	0.256
23	PCB-76/66	35.43	35.46	1.194e6	1.629e6	9.722e4	1.313e5	0.74	NO	2.285e5	271.24	271.24	0.234
24	PCB-55	36.02	35.98	1.603e4	2.218e4	1.406e3	1.996e3	0.70	NO	3.402e3	3.8222	3.8222	0.228
25	PCB-56/60	36.53	36.52	6.369e5	8.229e5	5.279e4	6.820e4	0.77	NO	1.210e5	153.06	153.06	0.257
26	PCB-79	37.63	37.64	2.625e4	4.037e4	2.207e3	3.544e3	0.62	YES	5.751e3	0.00000	5.7312	0.229
27	PCB-78	38.34	38.31	5.750e3	7.410e3	4.264e2	6.050e2	0.70	NO	1.031e3	1.2203	1.2203	0.242
28	PCB-81	38.88	38.90	1.875e4	2.538e4	5.716e2	8.615e2	0.66	NO	1.433e3	1.8133	1.8133	0.259
29	PCB-77	39.50	39.50	1.381e5	1.837e5	1.169e4	1.525e4	0.77	NO	2.694e4	31.553	31.553	0.243

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ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.32	32.31	8.334e3	4.152e3	6.492e2	3.672e2	1.77	NO	1.016e3	1.4042	1.4042	0.201
2	PCB-96	33.61	33.60	2.838e4	1.675e4	2.281e3	1.317e3	1.73	NO	3.598e3	4.9664	4.9664	0.201
3	PCB-103	34.17	34.16	5.387e4	2.936e4	4.406e3	2.475e3	1.78	NO	6.881e3	12.126	12.126	0.256
4	PCB-100	34.54	34.53	5.325e4	3.331e4	4.082e3	2.595e3	1.57	NO	6.677e3	11.253	11.253	0.245
5	PCB-94	34.99	34.99	2.116e4	1.471e4	1.632e3	1.161e3	1.41	NO	2.793e3	6.1831	6.1831	0.334
6	PCB-95/98/102	35.49	35.57	1.679e6	1.094e6	1.344e5	8.964e4	1.50	NO	2.240e5	384.65	384.65	0.259
7	PCB-93	35.63	35.63	1.819e5	1.112e5	2.709e3	1.635e3	1.66	NO	4.344e3	10.488	10.488	0.364
8	PCB-88/91	35.96	35.98	3.389e5	2.281e5	2.689e4	1.792e4	1.50	NO	4.481e4	90.521	90.521	0.305
9	PCB-121	36.07	36.04	4.058e4	2.737e4	7.289e2	5.150e2	1.42	NO	1.244e3	1.5615	1.5615	0.189
10	PCB-84/92	36.91	36.91	9.387e5	5.847e5	7.425e4	4.768e4	1.56	NO	1.219e5	235.20	235.20	0.292
11	PCB-89	37.09	37.10	2.412e4	1.215e4	1.729e3	9.516e2	1.82	YES	2.681e3	0.00000	4.3838	0.273
12	PCB-90/101	37.30	37.30	2.633e6	1.673e6	2.207e5	1.408e5	1.57	NO	3.615e5	636.34	636.34	0.267
13	PCB-113	37.54	37.58	2.113e5	1.330e5	4.210e3	2.921e3	1.44	NO	7.131e3	9.0241	9.0241	0.192
14	PCB-99	37.64	37.64	1.213e6	7.881e5	9.612e4	6.080e4	1.58	NO	1.569e5	251.62	251.62	0.243
15	PCB-119	38.12	38.12	1.124e5	7.712e4	9.078e3	6.402e3	1.42	NO	1.548e4	18.999	18.999	0.188
16	PCB-108/112	38.28	38.29	1.047e5	7.476e4	8.734e3	5.883e3	1.48	NO	1.462e4	22.038	22.038	0.230
17	PCB-97	38.64	38.64	6.233e5	4.132e5	5.029e4	3.352e4	1.50	NO	8.380e4	140.09	140.09	0.256
18	PCB-86	38.79	38.83	1.009e4	8.104e3	5.834e2	3.615e2	1.61	NO	9.449e2	1.6767	1.6767	0.271
19	PCB-87/117/125	38.93	38.94	9.051e5	5.996e5	7.547e4	4.928e4	1.53	NO	1.248e5	174.87	174.87	0.214
20	PCB-111/115	39.09	39.09	5.171e4	3.496e4	3.032e3	2.078e3	1.46	NO	5.110e3	5.9377	5.9377	0.178
21	PCB-85/116	39.21	39.20	3.676e5	2.378e5	3.200e4	2.020e4	1.58	NO	5.221e4	79.589	79.589	0.233
22	PCB-120	39.48	39.50	2.522e4	1.399e4	2.022e3	1.154e3	1.75	NO	3.175e3	3.3272	3.3272	0.160
23	PCB-110	39.63	39.61	3.371e6	2.198e6	2.826e5	1.816e5	1.56	NO	4.641e5	581.40	581.40	0.191
24	PCB-82	40.29	40.26	2.041e5	1.269e5	1.628e4	1.023e4	1.59	NO	2.652e4	56.884	56.884	0.349
25	PCB-124	41.00	40.97	1.014e5	6.968e4	9.175e3	6.458e3	1.42	NO	1.563e4	19.829	19.829	0.207
26	PCB-107/109	41.14	41.14	2.191e5	1.578e5	1.886e4	1.295e4	1.46	NO	3.182e4	39.263	39.263	0.201
27	PCB-123	41.31	41.30	4.382e4	2.445e4	3.509e3	2.087e3	1.68	NO	5.596e3	7.6509	7.6509	0.223
28	PCB-106/118	41.51	41.49	2.779e6	1.756e6	2.378e5	1.505e5	1.58	NO	3.884e5	481.52	481.52	0.204

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4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.15	42.15	4.669e4	3.020e4	4.205e3	2.585e3	1.63	NO	6.790e3	10.045	10.045	0.537
2	PCB-122	42.30	42.30	2.459e4	1.820e4	2.130e3	1.480e3	1.44	NO	3.610e3	6.2223	6.2223	0.626
3	PCB-105	43.04	43.04	8.909e5	5.818e5	7.686e4	4.948e4	1.55	NO	1.263e5	184.22	184.22	0.533
4	PCB-126	45.35	45.35	1.653e4	1.039e4	1.407e3	9.173e2	1.53	NO	2.324e3	3.3379	3.3379	0.552

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.82	36.82	3.636e3	2.688e3	2.879e2	2.572e2	1.12	NO	5.451e2	0.93618	0.93618	0.111
2	PCB-150	38.12	38.12	1.537e4	1.013e4	1.161e3	8.850e2	1.31	NO	2.046e3	3.2073	3.2073	0.102
3	PCB-152	38.62	38.62	5.229e3	4.598e3	4.121e2	3.907e2	1.05	NO	8.028e2	1.1547	1.1547	0.0932
4	PCB-145	39.09	39.07	9.660e2	9.800e2	6.646e1	5.874e1	1.13	NO	1.252e2	0.18654	0.18654	0.0966
5	PCB-136	39.40	39.40	4.521e5	3.540e5	3.760e4	2.922e4	1.29	NO	6.682e4	111.06	111.06	0.108
6	PCB-148	39.53	39.50	1.929e4	1.297e4	9.452e2	7.194e2	1.31	NO	1.665e3	3.6595	3.6595	0.142
7	PCB-154	40.03	40.04	6.385e4	5.024e4	5.467e3	4.224e3	1.29	NO	9.691e3	19.690	19.690	0.132
8	PCB-151	40.70	40.69	5.730e5	4.423e5	4.811e4	3.803e4	1.27	NO	8.615e4	187.15	187.15	0.141
9	PCB-135	40.93	40.91	3.001e5	2.386e5	2.599e4	2.082e4	1.25	NO	4.681e4	94.806	94.806	0.131
10	PCB-144	41.02	41.04	1.092e5	8.448e4	8.803e3	6.760e3	1.30	NO	1.556e4	32.958	32.958	0.137
11	PCB-147	41.16	41.17	5.617e4	5.033e4	4.748e3	4.193e3	1.13	NO	8.941e3	18.368	18.368	0.133
12	PCB-139/149	41.44	41.43	2.159e6	1.678e6	1.797e5	1.390e5	1.29	NO	3.187e5	603.65	603.65	0.123
13	PCB-140	41.64	41.62	1.866e4	1.228e4	1.558e3	9.826e2	1.59	YES	2.540e3	0.00000	4.9413	0.146

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4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.07	42.09	9.859e4	8.447e4	8.306e3	7.061e3	1.18	NO	1.537e4	36.066	36.066	0.609
2	PCB-131/133	42.40	42.40	7.145e4	5.575e4	5.905e3	4.723e3	1.25	NO	1.063e4	23.319	23.319	0.570
3	PCB-142	42.55	42.55	2.018e3	1.277e3	1.233e2	7.628e1	1.62	YES	1.996e2	0.00000	0.41884	0.636
4	PCB-146/165	42.79	42.81	5.069e5	4.015e5	4.247e4	3.343e4	1.27	NO	7.590e4	135.51	135.51	0.464
5	PCB-132/161	43.04	43.08	7.047e5	5.669e5	5.984e4	4.903e4	1.22	NO	1.089e5	191.59	191.59	0.457
6	PCB-153	43.23	43.23	2.837e6	2.272e6	2.436e5	1.957e5	1.24	NO	4.393e5	747.28	747.28	0.442
7	PCB-168	43.44	43.44	3.853e3	4.755e3	3.267e2	4.126e2	0.79	YES	7.394e2	0.00000	0.96060	0.423
8	PCB-141	43.99	43.99	4.182e5	3.365e5	3.611e4	2.887e4	1.25	NO	6.498e4	139.43	139.43	0.560
9	PCB-137	44.36	44.37	8.604e4	6.627e4	7.149e3	5.427e3	1.32	NO	1.258e4	26.558	26.558	0.551
10	PCB-130	44.48	44.48	1.364e5	1.144e5	1.056e4	8.625e3	1.22	NO	1.919e4	47.825	47.825	0.650
11	PCB-138/163/164	44.88	44.86	2.602e6	2.128e6	2.566e5	2.084e5	1.23	NO	4.650e5	764.75	764.75	0.430
12	PCB-158/160	45.12	45.10	2.821e5	2.343e5	2.460e4	2.010e4	1.22	NO	4.470e4	74.548	74.548	0.436
13	PCB-129	45.37	45.37	6.687e4	5.384e4	5.517e3	4.540e3	1.21	NO	1.006e4	23.660	23.660	0.616
14	PCB-166	45.85	45.82	9.956e3	6.928e3	7.681e2	6.100e2	1.26	NO	1.378e3	2.1252	2.1252	0.413
15	PCB-128/162	46.47	46.45	3.466e5	2.855e5	2.965e4	2.409e4	1.23	NO	5.374e4	102.21	102.21	0.509
16	PCB-167	46.88	46.89	1.115e5	8.576e4	9.415e3	7.313e3	1.29	NO	1.673e4	27.147	27.147	0.421
17	PCB-156	48.21	48.21	2.697e5	2.197e5	2.399e4	1.911e4	1.25	NO	4.310e4	66.040	66.040	0.404
18	PCB-157	48.50	48.50	5.340e4	4.362e4	4.803e3	3.806e3	1.26	NO	8.609e3	14.627	14.627	0.452



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Total Hepta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	42.85	42.81	2.849e3	2.732e3	2.358e2	2.008e2	1.17	NO	4.366e2	0.65874	0.65874	0.314
2	PCB-184	43.30	43.30	3.574e3	3.318e3	2.724e2	2.392e2	1.14	NO	5.116e2	0.77855	0.77855	0.316
3	PCB-179	44.10	44.10	4.249e5	4.011e5	3.441e4	3.351e4	1.03	NO	6.792e4	109.64	109.64	0.335
4	PCB-176	44.57	44.57	1.050e5	1.164e5	9.070e3	9.698e3	0.94	NO	1.877e4	29.255	29.255	0.324
5	PCB-178	45.73	45.71	1.374e5	1.328e5	1.220e4	1.130e4	1.08	NO	2.349e4	49.089	49.089	0.434
6	PCB-175	46.07	46.07	2.747e4	2.572e4	2.326e3	2.230e3	1.04	NO	4.556e3	9.2669	9.2669	0.423
7	PCB-182/187	46.26	46.24	9.288e5	9.015e5	7.912e4	7.529e4	1.05	NO	1.544e5	284.40	284.40	0.383
8	PCB-183	46.58	46.58	3.833e5	3.839e5	3.281e4	3.245e4	1.01	NO	6.526e4	124.40	124.40	0.396
9	PCB-185	47.28	47.26	7.721e4	7.010e4	6.448e3	6.177e3	1.04	NO	1.263e4	26.764	26.764	0.473
10	PCB-174	47.66	47.64	6.295e5	5.840e5	5.518e4	5.266e4	1.05	NO	1.078e5	236.26	236.26	0.489
11	PCB-177	47.95	47.93	3.587e5	3.489e5	3.131e4	3.062e4	1.02	NO	6.192e4	142.44	142.44	0.514
12	PCB-171	48.24	48.21	1.595e5	1.568e5	1.399e4	1.402e4	1.00	NO	2.801e4	60.383	60.383	0.481
13	PCB-173	48.69	48.67	1.079e4	1.176e4	8.675e2	9.656e2	0.90	NO	1.833e3	4.5077	4.5077	0.549
14	PCB-172	49.14	49.14	9.038e4	9.125e4	8.086e3	8.385e3	0.96	NO	1.647e4	34.396	34.396	0.466
15	PCB-180	49.56	49.56	1.425e6	1.398e6	1.234e5	1.210e5	1.02	NO	2.444e5	493.03	493.03	0.451
16	PCB-193	49.76	49.76	8.403e4	9.301e4	7.439e3	8.130e3	0.92	NO	1.557e4	27.776	27.776	0.398
17	PCB-191	50.03	50.01	2.561e4	2.582e4	2.356e3	2.307e3	1.02	NO	4.662e3	8.1278	8.1278	0.389
18	PCB-170	51.21	51.21	5.015e5	4.960e5	4.351e4	4.304e4	1.01	NO	8.655e4	202.47	202.47	0.501
19	PCB-190	51.42	51.41	1.598e5	1.332e5	1.302e4	1.142e4	1.14	NO	2.444e4	43.719	43.719	0.384
20	PCB-189	52.93	52.93	2.868e4	2.817e4	2.268e3	2.171e3	1.04	NO	4.439e3	7.6815	7.6815	0.325

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4th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.46	48.44	8.323e4	9.524e4	7.075e3	8.034e3	0.88	NO	1.511e4	25.207	25.207	0.141
2	PCB-201	48.93	48.93	4.713e4	5.263e4	4.148e3	4.778e3	0.87	NO	8.927e3	16.390	16.390	0.155
3	PCB-204	49.08	49.10	2.529e3	1.897e3	1.629e2	1.484e2	1.10	YES	3.113e2	0.00000	0.48755	0.147
4	PCB-197	49.40	49.41	1.343e4	1.697e4	1.162e3	1.416e3	0.82	NO	2.579e3	4.4390	4.4390	0.146
5	PCB-200	50.33	50.35	3.936e4	5.086e4	3.736e3	4.416e3	0.85	NO	8.153e3	14.847	14.847	0.154
6	PCB-198	51.89	51.92	1.861e4	2.144e4	9.784e2	1.102e3	0.89	NO	2.080e3	4.9619	4.9619	0.202
7	PCB-199	52.02	52.04	3.051e5	3.291e5	2.432e4	2.655e4	0.92	NO	5.086e4	119.56	119.56	0.199
8	PCB-196/203	52.32	52.34	3.489e5	3.784e5	2.767e4	3.008e4	0.92	NO	5.774e4	127.01	127.01	0.186

5th Function Octa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.62	53.62	1.127e5	1.192e5	7.135e3	7.581e3	0.94	NO	1.472e4	42.991	42.991	0.536
2	PCB-194	54.54	54.54	3.095e5	3.263e5	1.845e4	1.999e4	0.92	NO	3.844e4	101.34	101.34	0.484
3	PCB-205	54.81	54.80	1.651e4	2.183e4	9.412e2	1.335e3	0.70	YES	2.276e3	0.00000	4.4043	0.404

Total Nona-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.76	53.78	3.469e5	2.581e5	2.236e4	1.700e4	1.32	NO	3.936e4	96.524	96.524	1.06
2	PCB-207	54.10	54.10	2.387e5	1.814e5	1.465e4	1.089e4	1.34	NO	2.554e4	63.459	63.459	1.08
3	PCB-206	56.07	56.07	4.250e5	3.114e5	2.581e4	1.893e4	1.36	NO	4.474e4	151.22	151.22	1.36

Deca-CB

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.30	57.32	1.067e7	8.908e6	6.059e5	5.143e5	1.18	NO	1.120e6	3351.6	3351.6	0.219

Total PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
†													

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**Total Mono-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.43	15.48	1.153e7	3.732e6	1.395e6	4.566e5	3.06	NO	1.852e6	1542.0		1.61
2	13C-PCB-3	18.06	18.14	3.088e7	9.713e6	1.749e6	5.712e5	3.06	NO	2.320e6	1938.9		1.62

**Total Di-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.41	19.43	1.380e7	8.730e6	7.987e5	5.041e5	1.58	NO	1.303e6	1696.2		0.590
2	13C-PCB-9	21.22	21.22	2.178e7	1.410e7	1.327e6	8.440e5	1.57	NO	2.171e6	1765.3		0.368
3	13C-PCB-11	24.65	24.66	1.929e7	1.223e7	1.288e6	8.158e5	1.58	NO	2.103e6	1766.4		0.380
4	13C-PCB-15	25.39	25.37	2.380e7	1.529e7	1.540e6	9.846e5	1.56	NO	2.524e6	1969.6		0.353

**2nd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.62	23.62	9.835e6	9.635e6	6.584e5	6.416e5	1.03	NO	1.300e6	2002.9		6.01
2	13C-PCB-32	26.61	26.59	1.460e7	1.423e7	9.747e5	9.466e5	1.03	NO	1.921e6	2031.6		4.12

**3rd Function Tri-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.50	1.312e7	1.269e7	9.502e5	9.237e5	1.03	NO	1.874e6	1969.6		3.95
2	13C-PCB-28	28.61	28.59	1.250e7	1.209e7	1.008e6	9.768e5	1.03	NO	1.985e6	1968.8		3.73
3	13C-PCB-37	32.59	32.59	1.169e7	1.134e7	9.124e5	8.789e5	1.04	NO	1.791e6	1923.6		4.04

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**Tetra-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.43	27.44	8.798e6	1.126e7	6.619e5	8.470e5	0.78	NO	1.509e6	1759.8		0.814
2	13C-PCB-52	31.09	31.09	6.327e6	8.314e6	5.059e5	6.603e5	0.77	NO	1.166e6	1696.8		1.02
3	13C-PCB-47	31.60	31.63	6.829e6	8.170e6	5.649e5	6.947e5	0.81	NO	1.260e6	1730.7		0.959
4	13C-PCB-70	35.23	35.24	8.467e6	1.090e7	6.748e5	8.741e5	0.77	NO	1.549e6	1806.3		0.814
5	13C-PCB-80	35.66	35.67	8.744e6	1.137e7	7.193e5	9.270e5	0.78	NO	1.646e6	1858.1		0.788
6	13C-PCB-60	36.54	36.50	9.439e6	1.215e7	7.571e5	9.642e5	0.79	NO	1.721e6	1969.6		0.799
7	13C-PCB-79	37.60	37.60	9.550e6	1.252e7	7.977e5	1.045e6	0.76	NO	1.843e6	2035.5		0.771
8	13C-PCB-81	38.86	38.87	8.772e6	1.115e7	7.267e5	9.283e5	0.78	NO	1.655e6	1903.4		0.803
9	13C-PCB-77	39.48	39.48	8.509e6	1.102e7	7.162e5	9.172e5	0.78	NO	1.633e6	1913.3		0.818

**3rd Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.30	1.169e7	7.343e6	8.900e5	5.623e5	1.58	NO	1.452e6	1758.3		0.545
2	13C-PCB-95	35.53	35.53	8.259e6	5.284e6	6.525e5	4.187e5	1.56	NO	1.071e6	1671.7		0.703
3	13C-PCB-101	37.28	37.28	9.500e6	6.002e6	7.541e5	4.823e5	1.56	NO	1.236e6	1805.4		0.657
4	13C-PCB-97	38.62	38.62	8.025e6	5.092e6	6.423e5	4.065e5	1.58	NO	1.049e6	1878.0		0.806
5	13C-PCB-111	39.11	39.07	1.190e7	7.429e6	9.957e5	6.241e5	1.60	NO	1.620e6	1969.6		0.548
6	13C-PCB-123	41.26	41.28	1.014e7	6.673e6	8.646e5	5.753e5	1.50	NO	1.440e6	1804.9		0.564
7	13C-PCB-118	41.45	41.47	1.106e7	6.997e6	9.511e5	6.026e5	1.58	NO	1.554e6	1887.3		0.547

**4th Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.14	42.13	8.912e6	5.758e6	7.439e5	4.844e5	1.54	NO	1.228e6	1659.5		0.766
2	13C-PCB-105	43.02	43.02	9.452e6	6.098e6	7.938e5	5.118e5	1.55	NO	1.306e6	1714.6		0.745
3	13C-PCB-127	43.39	43.38	9.771e6	6.127e6	8.372e5	5.291e5	1.58	NO	1.366e6	1723.0		0.715
4	13C-PCB-126	45.33	45.33	8.243e6	5.136e6	7.283e5	4.633e5	1.57	NO	1.192e6	1514.5		0.721

Vista Analytical Laboratory

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-3.qld

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ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

**4th Function Hexa-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.20	43.19	7.670e6	6.105e6	6.571e5	5.123e5	1.28	NO	1.169e6	1862.5		1.00
2	13C-PCB-141	43.97	43.97	6.279e6	4.987e6	5.404e5	4.275e5	1.26	NO	9.680e5	1867.5		1.21
3	13C-PCB-138	44.82	44.82	6.688e6	5.383e6	5.774e5	4.605e5	1.25	NO	1.038e6	1882.9		1.14
4	13C-PCB-159	46.16	46.17	7.819e6	6.287e6	6.907e5	5.479e5	1.26	NO	1.239e6	1858.0		0.944
5	13C-PCB-128	46.47	46.43	6.307e6	4.829e6	5.310e5	4.110e5	1.29	NO	9.420e5	1969.6		1.32
6	13C-PCB-167	46.86	46.87	8.284e6	6.409e6	7.093e5	5.545e5	1.28	NO	1.264e6	1852.8		0.923
7	13C-PCB-156	48.20	48.19	7.767e6	6.154e6	6.756e5	5.342e5	1.26	NO	1.210e6	1889.0		0.983
8	13C-PCB-157	48.46	48.48	7.658e6	6.215e6	6.715e5	5.362e5	1.25	NO	1.208e6	1858.1		0.969
9	13C-PCB-169	50.73	50.75	7.003e6	5.493e6	6.344e5	5.068e5	1.25	NO	1.141e6	1791.5		0.988

**5th Function Octa-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.52	54.52	5.488e6	6.178e6	3.307e5	3.736e5	0.89	NO	7.043e5	2164.7		1.51
2	13C-PCB-205	54.81	54.78	7.003e6	7.693e6	4.321e5	4.706e5	0.92	NO	9.027e5	1969.6		1.07

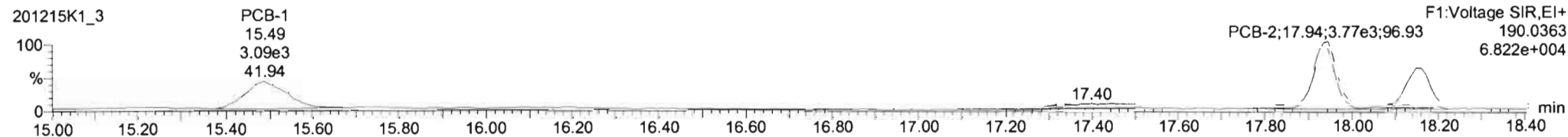
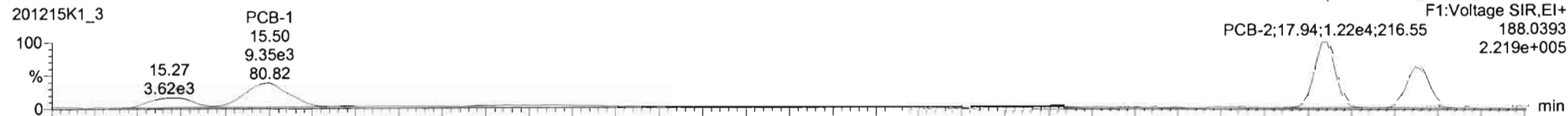
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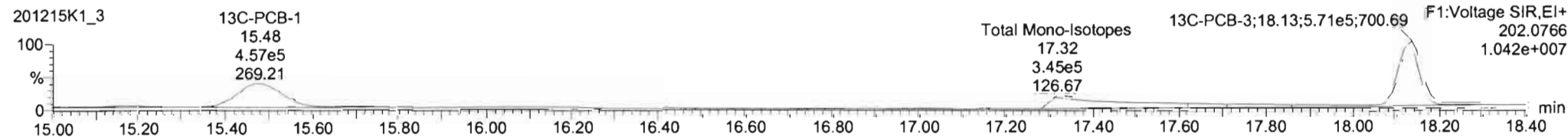
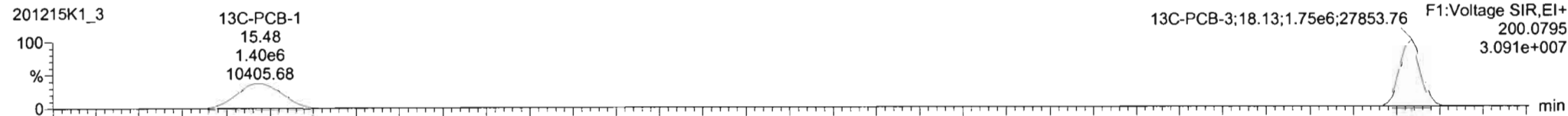
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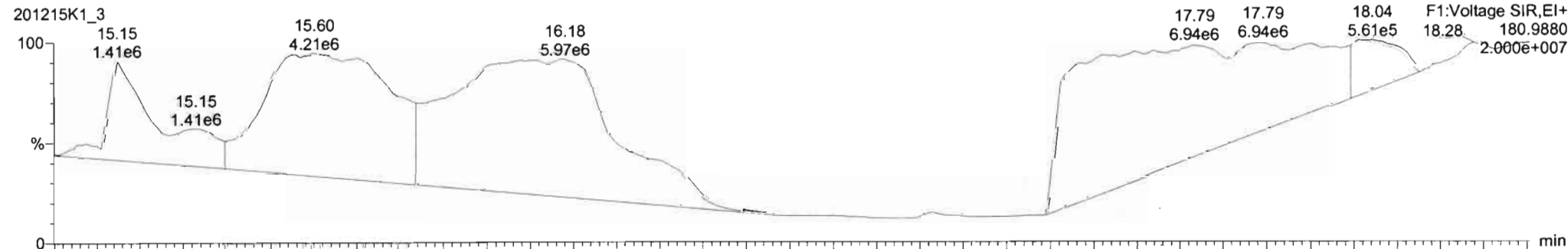
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**13C-PCB-1**



**PFK1**

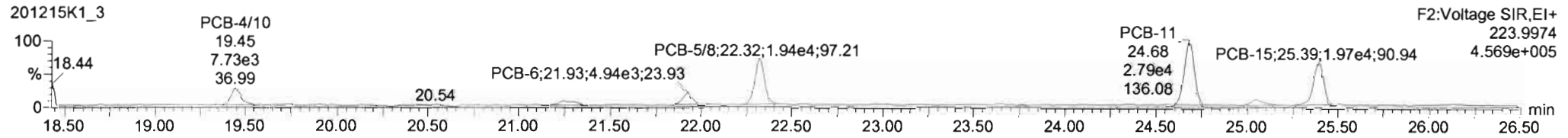
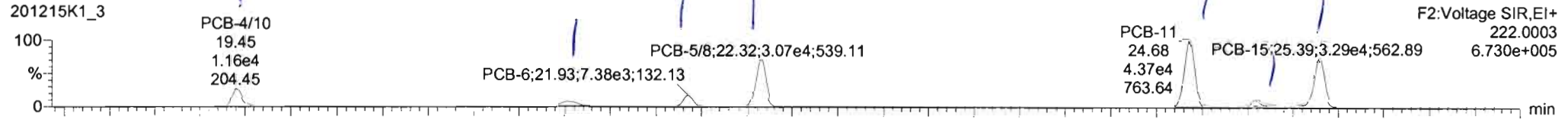


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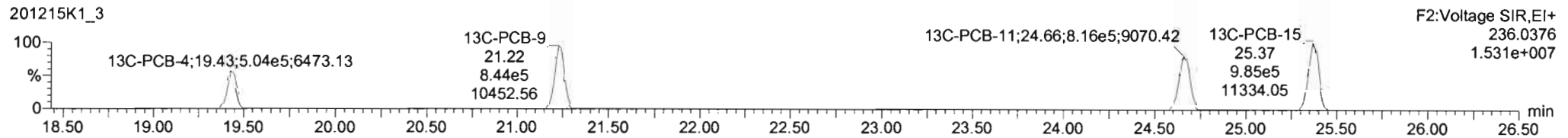
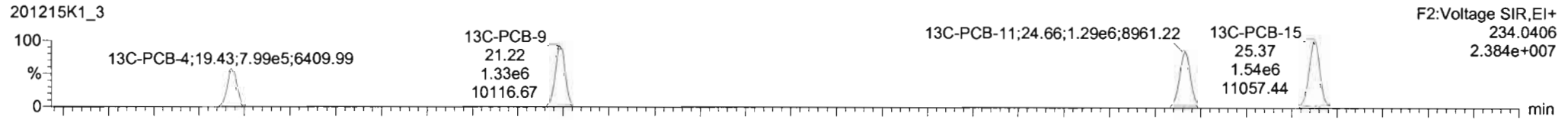
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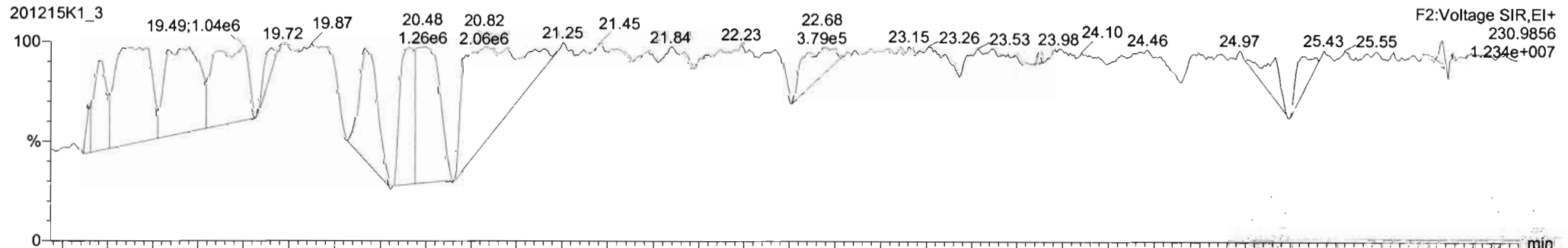
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**13C-PCB-4**



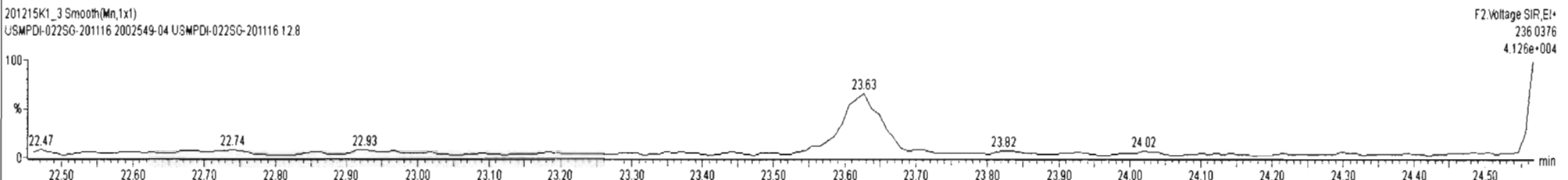
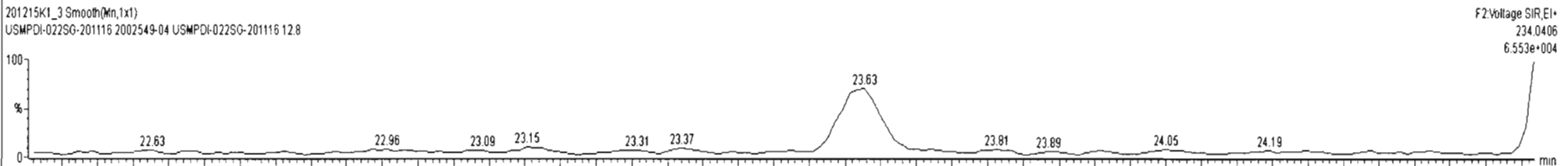
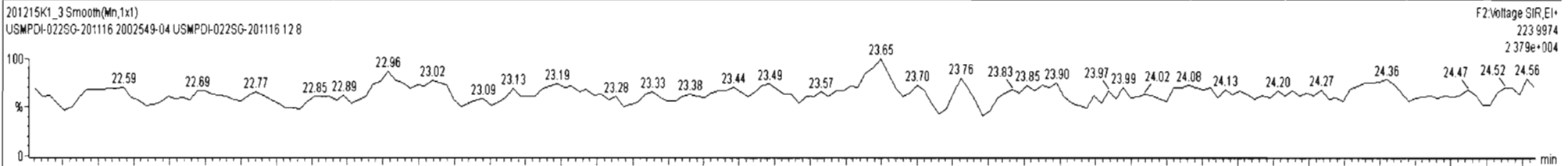
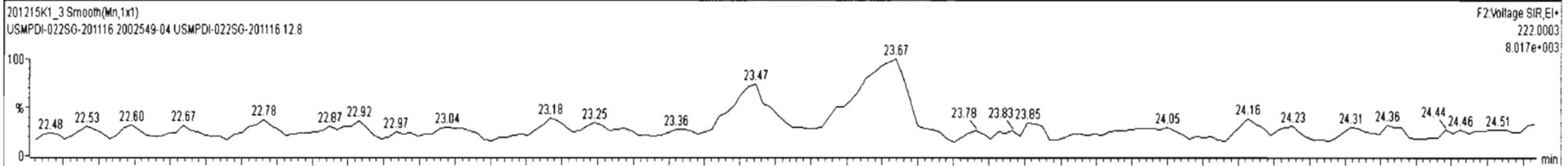
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201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	5.077	0.00		0.000		NO	35.24		0.758	35.24
225	225 Total Di-PCBs				1.0367	5.077	0.00		0.000		NO	203.7		3.96	203.7
226	226 2nd Function Tri-PCBs				0.9434	5.077	0.00		0.000		NO	197.6		1.53	197.6
227	227 3rd Function Tri-PCBs				0.9687	5.077	0.00		0.000		NO	519.7		4.44	523.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.51	19.45	1.165e4	7.732e3	1.560	1.51	NO	24.268	24.268
2	5 PCB-7/9	21.26	21.26	4.349e3	3.266e3	1.560	1.33	NO	7.3586	7.3586
3	6 PCB-6	21.93	21.92	7.381e3	4.943e3	1.560	1.49	NO	11.222	11.222
4	7 PCB-5/8	22.33	22.32	3.073e4	1.938e4	1.560	1.59	NO	46.594	46.594
5	9 PCB-11	24.68	24.68	4.367e4	2.785e4	1.560	1.57	NO	60.013	60.013
6	10 PCB-12/13	25.11	25.05	4.915e3	3.428e3	1.560	1.43	NO	7.6680	7.6680
7	11 PCB-15	25.39	25.39	3.138e4	1.924e4	1.560	1.63	NO	46.618	46.618

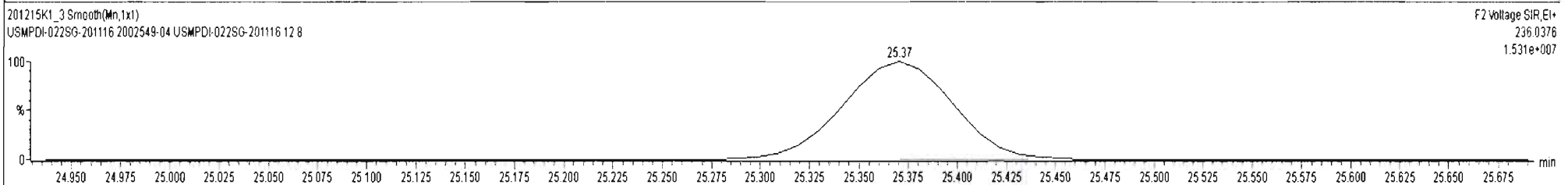
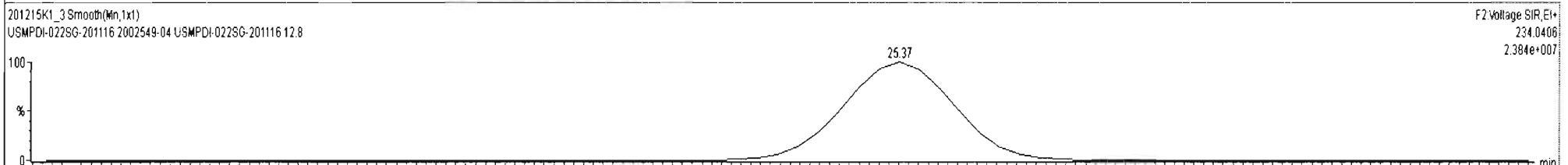
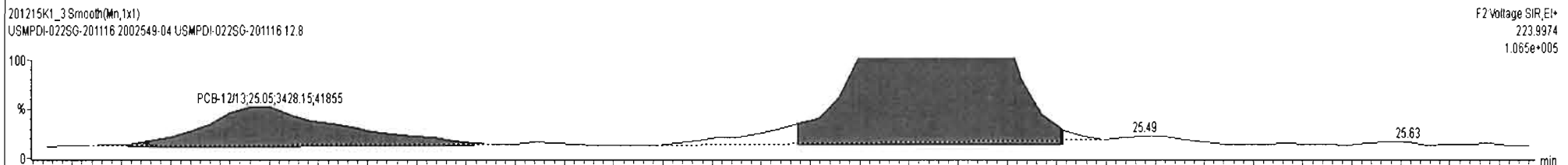
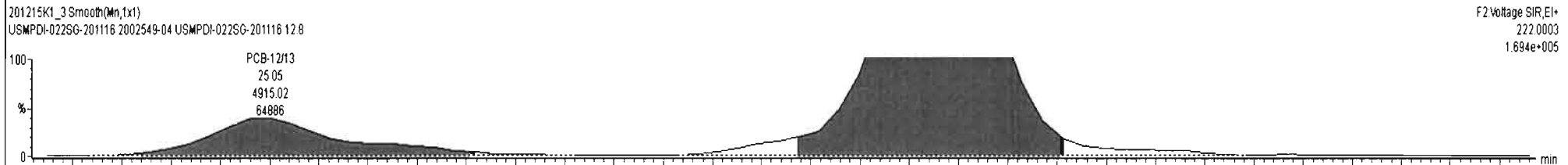




201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	5.077	0.00		0.000		NO	35.24		0.756	35.24
225	225 Total Di-PCBs				1.0367	5.077	0.00		0.000		NO	203.7		3.98	203.7
226	226 2nd Function Tri-PCBs				0.9434	5.077	0.00		0.000		NO	197.6		1.53	197.6
227	227 3rd Function Tri-PCBs				0.9687	5.077	0.00		0.000		NO	519.7		4.44	523.6

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	4 PCB-4/10	19.51	19.45	1.165e4	7.732e3	1.560	1.51	NO	24.268	24.268
2	5 PCB-7/9	21.26	21.26	4.349e3	3.266e3	1.560	1.33	NO	7.3586	7.3586
3	6 PCB-6	21.93	21.92	7.381e3	4.943e3	1.560	1.49	NO	11.222	11.222
4	7 PCB-5/8	22.33	22.32	3.073e4	1.938e4	1.560	1.59	NO	46.594	46.594
5	9 PCB-11	24.68	24.68	4.367e4	2.785e4	1.560	1.57	NO	60.013	60.013
6	10 PCB-12/13	25.11	25.05	4.915e3	3.428e3	1.560	1.43	NO	7.6680	7.6680
7	11 PCB-15	25.39	25.39	3.138e4	1.924e4	1.560	1.63	NO	46.618	46.618



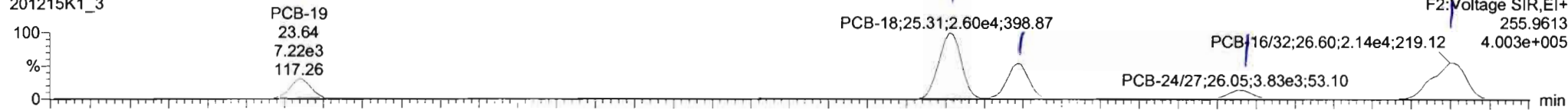
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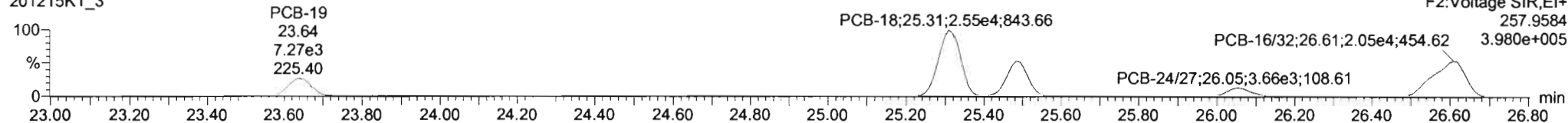
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**PCB-19**

201215K1\_3



201215K1\_3

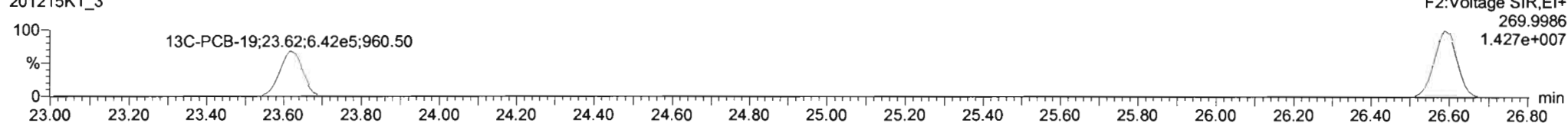


**13C-PCB-19**

201215K1\_3

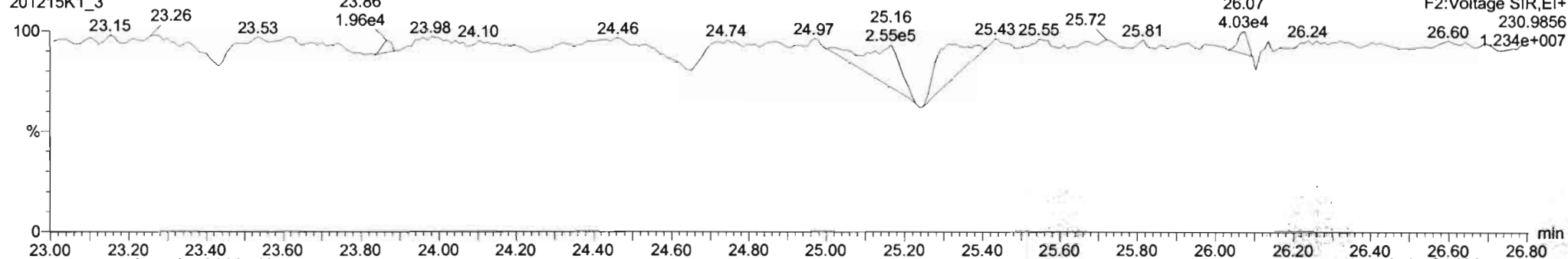


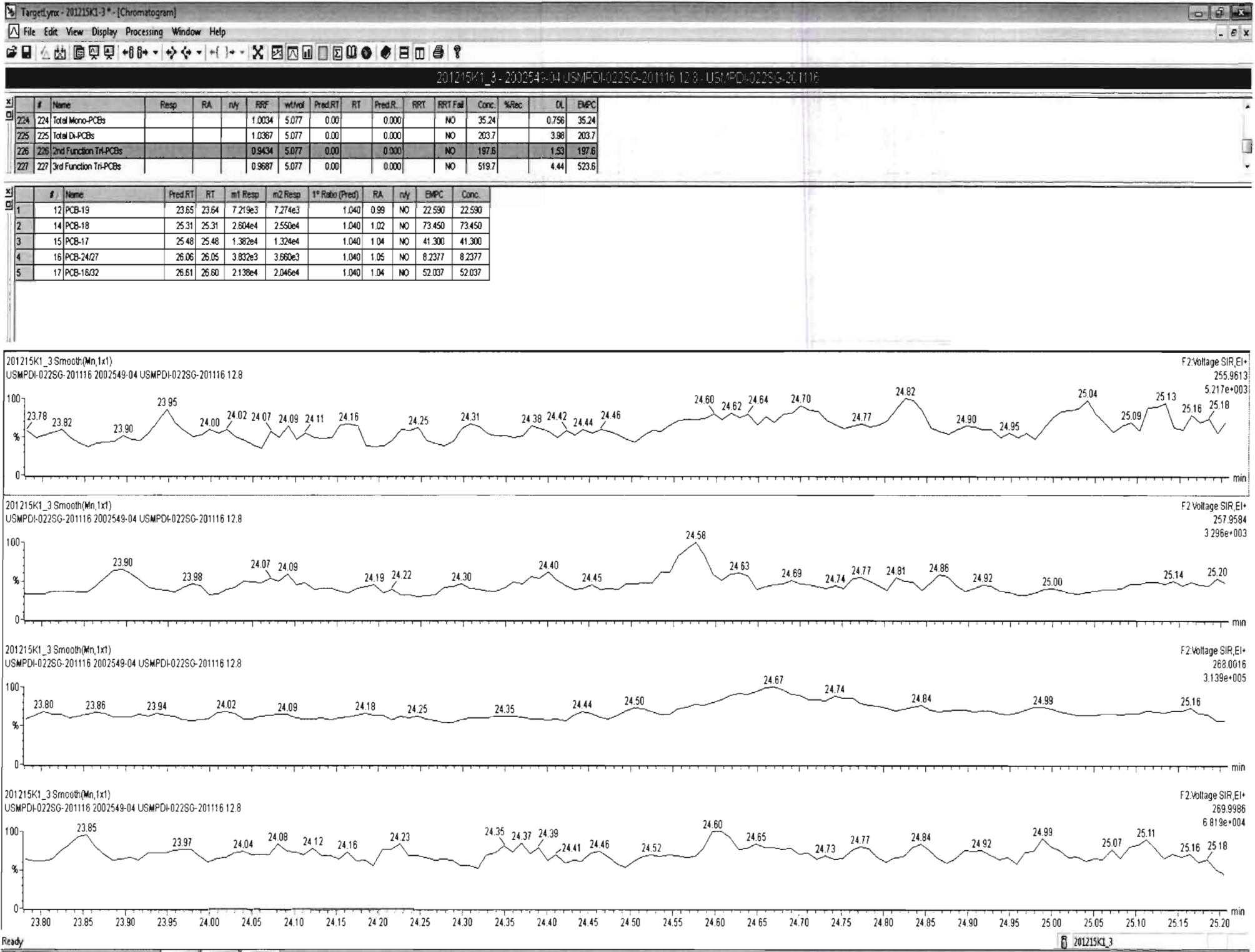
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**PFK2b**

201215K1\_3



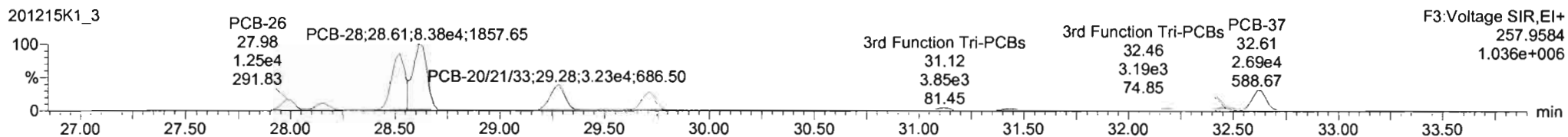
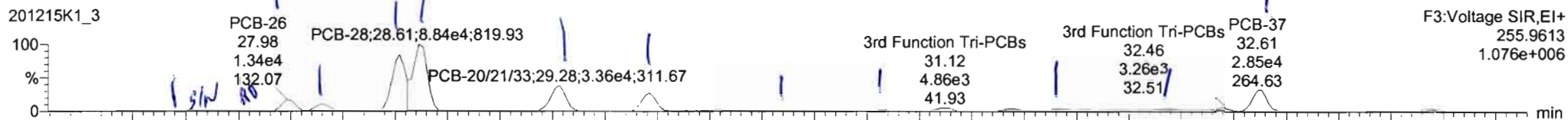


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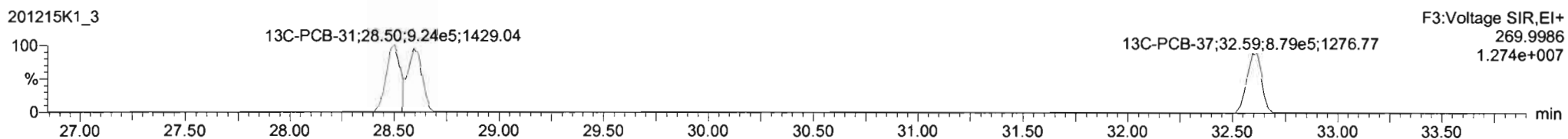
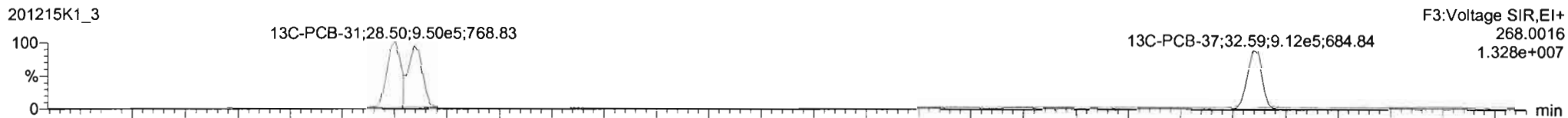
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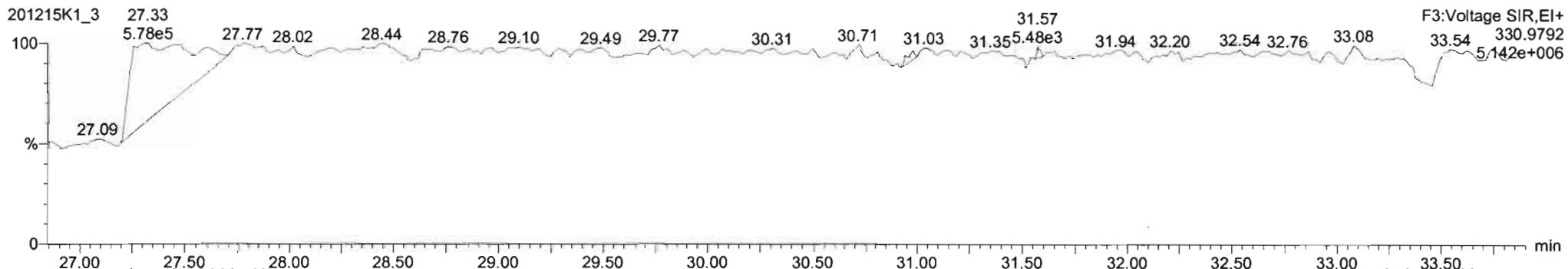
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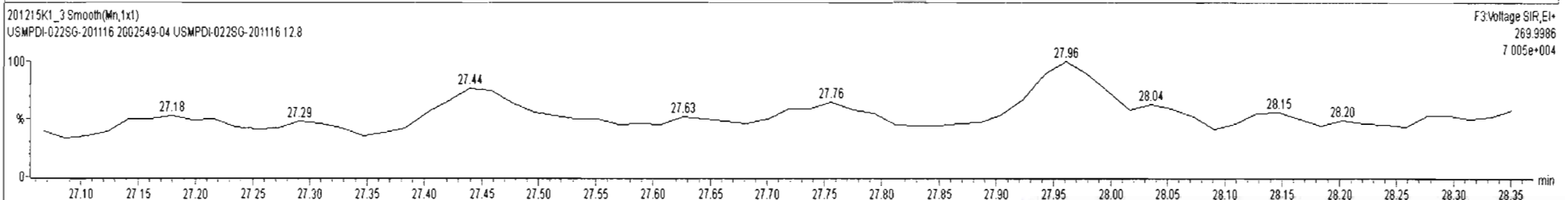
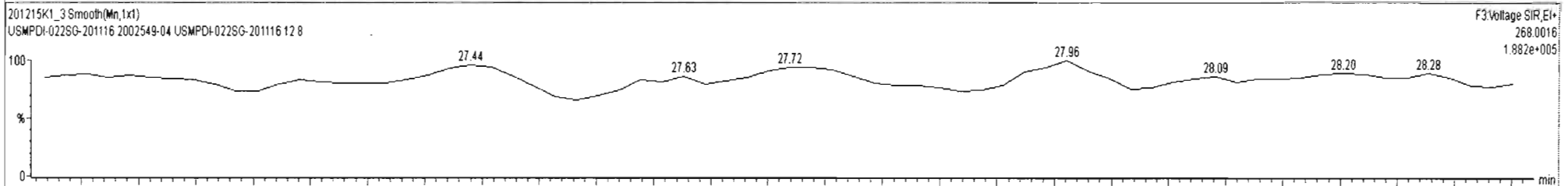
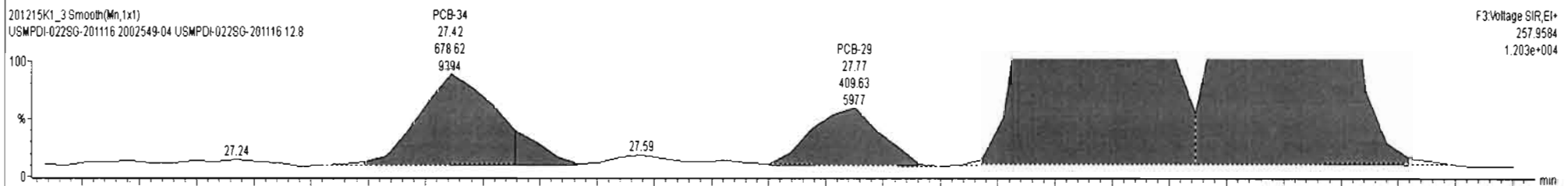
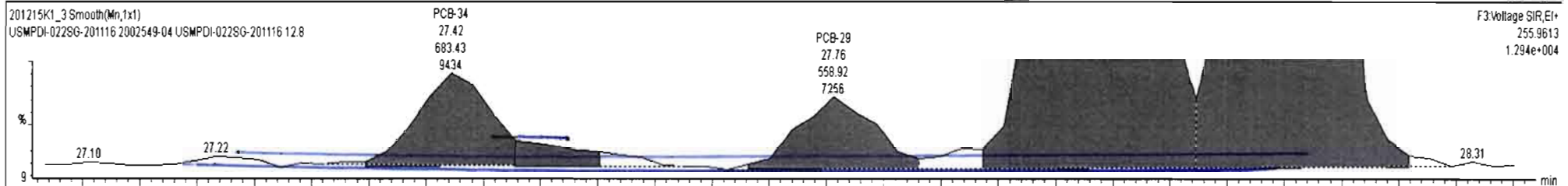


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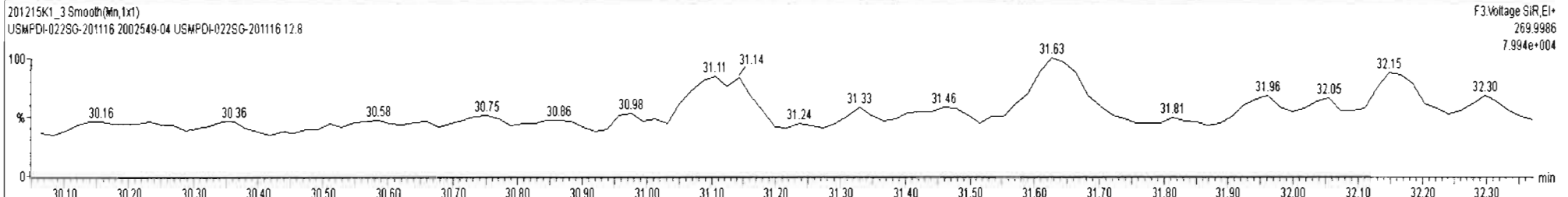
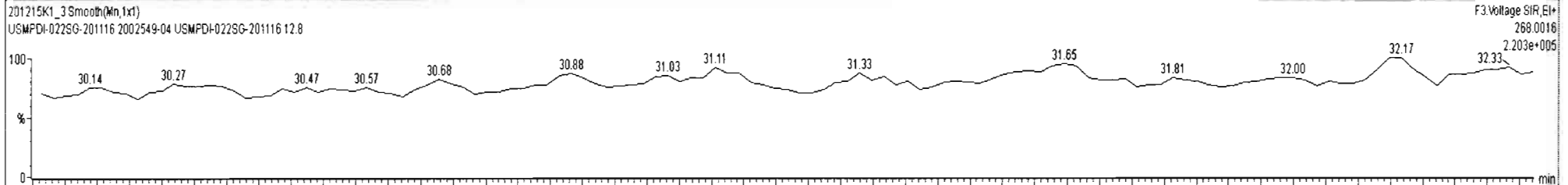
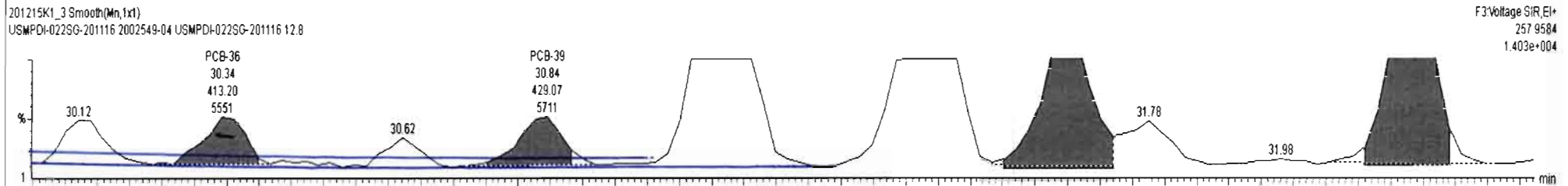
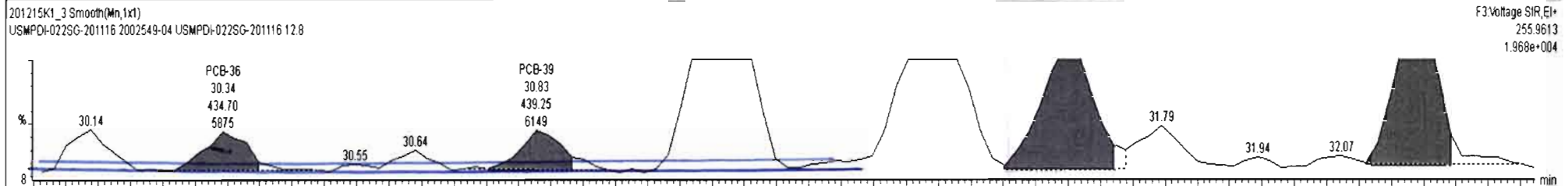
#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	5.077	0.00		0.000		NO	35.24		0.756	35.24
225	225 Total Di-PCBs				1.0367	5.077	0.00		0.000		NO	203.7		3.98	203.7
226	226 2nd Function Tri-PCBs				0.9434	5.077	0.00		0.000		NO	197.6		1.53	197.6
227	227 3rd Function Tri-PCBs				0.9687	5.077	0.00		0.000		NO	519.2		4.44	523.4

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.40	27.42	6.834e2	6.786e2	1.040	1.01	NO	1.5401	1.5401
2	19 PCB-23	27.50	27.48	1.490e2	9.066e1	1.040	1.64	YES	0.20577	0.00000
3	20 PCB-29	27.76	27.76	5.589e2	4.096e2	1.040	1.36	YES	0.96291	0.00000
4	21 PCB-26	27.99	27.98	1.330e4	1.250e4	1.040	1.06	NO	27.993	27.993
5	22 PCB-25	28.14	28.15	8.407e3	8.071e3	1.040	1.04	NO	17.865	17.865



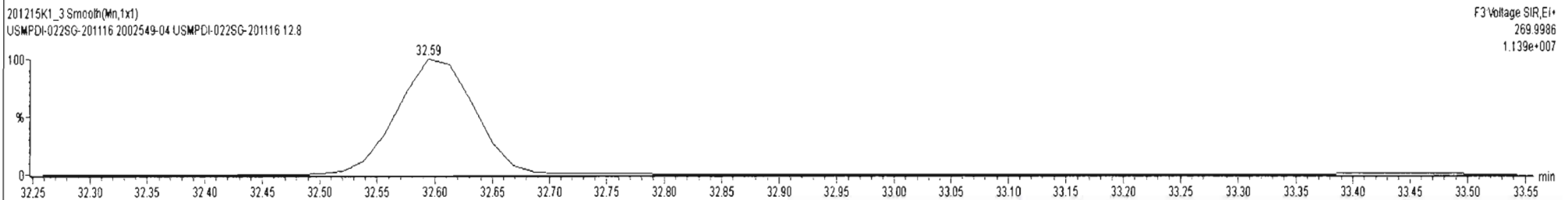
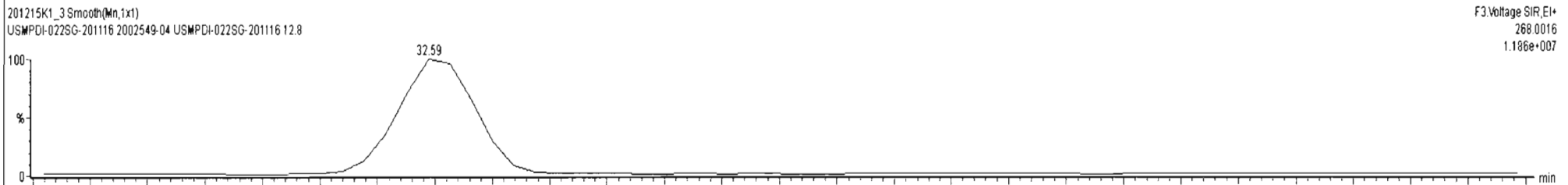
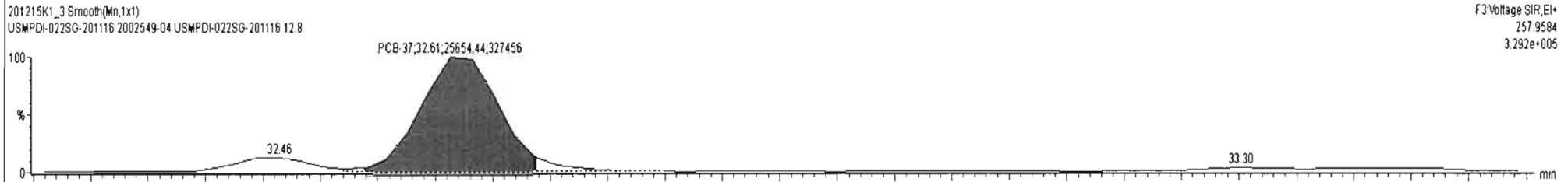
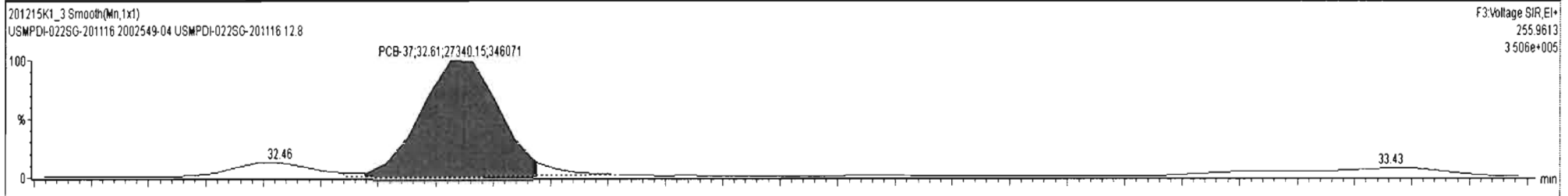
#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	5.077	0.00		0.000		NO	35.24		0.756	35.24
225	225 Total Di-PCBs				1.0367	5.077	0.00		0.000		NO	203.7		3.98	203.7
226	226 2nd Function Tri-PCBs				0.9434	5.077	0.00		0.000		NO	197.6		1.53	197.6
227	227 3rd Function Tri-PCBs				0.9687	5.077	0.00		0.000		NO	519.6		4.44	520.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
9	27 PCB-36	30.36	30.34	4.347e2	4.132e2	1.040	1.05	NO	0.87273	0.87273
10	28 PCB-39	30.84	30.83	4.392e2	4.291e2	1.040	1.02	NO	0.95163	0.95163
11	29 PCB-38	31.63	31.65	1.704e3	1.443e3	1.040	1.18	NO	3.2960	3.2960
12	30 PCB-35	32.17	32.18	1.757e3	1.836e3	1.040	0.96	NO	3.7757	3.7757
13	31 PCB-37	32.61	32.61	2.734e4	2.565e4	1.040	1.07	NO	56.692	56.692



#	Name	Resp	RA	n/y	RFF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	5.077	0.00		0.000		NO	35.24		0.756	35.24
225	225 Total Di-PCBs				1.0367	5.077	0.00		0.000		NO	203.7		3.98	203.7
226	226 2nd Function Tri-PCBs				0.9434	5.077	0.00		0.000		NO	197.6		1.53	197.6
227	227 3rd Function Tri-PCBs				0.9687	5.077	0.00		0.000		NO	519.6		4.44	520.6

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
9	27 PCB-36	30.36	30.34	4.347e2	4.132e2	1.040	1.05	NO	0.87273	0.87273
10	28 PCB-39	30.84	30.83	4.392e2	4.291e2	1.040	1.02	NO	0.95163	0.95163
11	29 PCB-38	31.63	31.65	1.704e3	1.443e3	1.040	1.18	NO	3.2960	3.2960
12	30 PCB-35	32.17	32.18	1.757e3	1.836e3	1.040	0.96	NO	3.7757	3.7757
13	31 PCB-37	32.61	32.61	2.734e4	2.585e4	1.040	1.07	NO	56.692	56.692

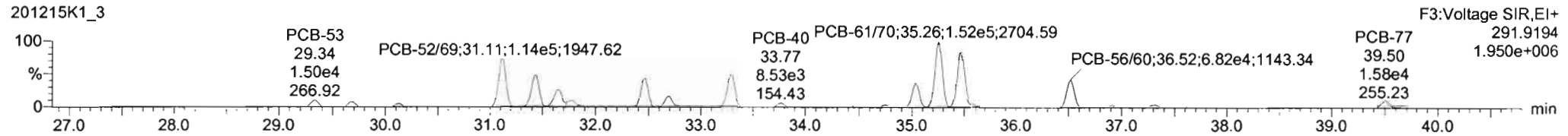
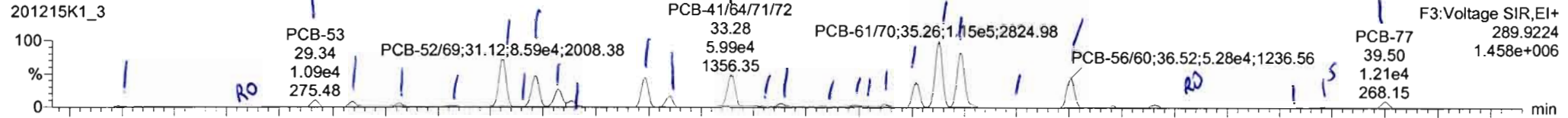


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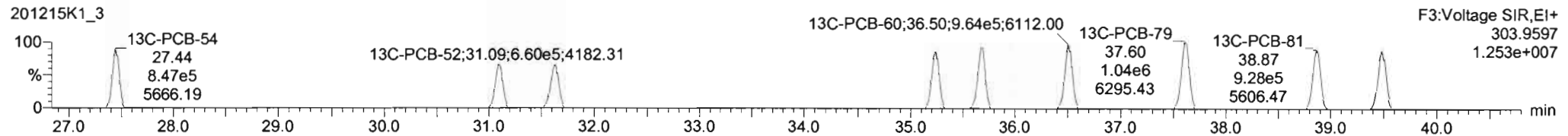
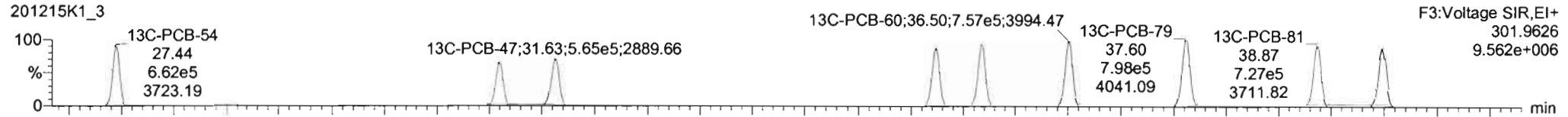
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

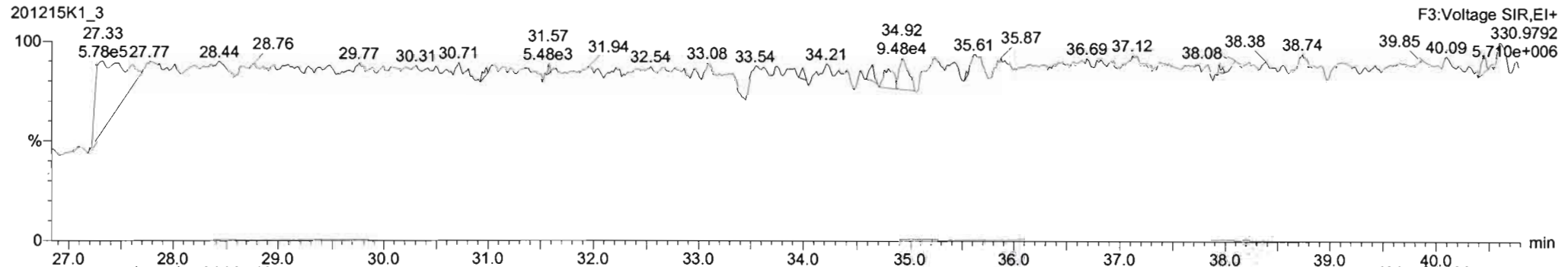
**PCB-54**



**13C-PCB-54**



**PFK3a**





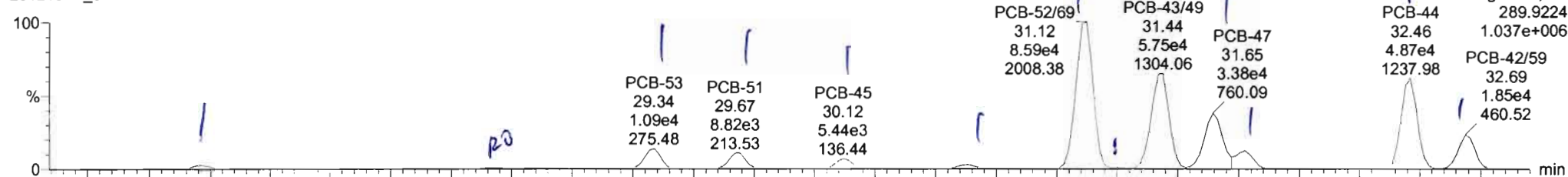
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Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
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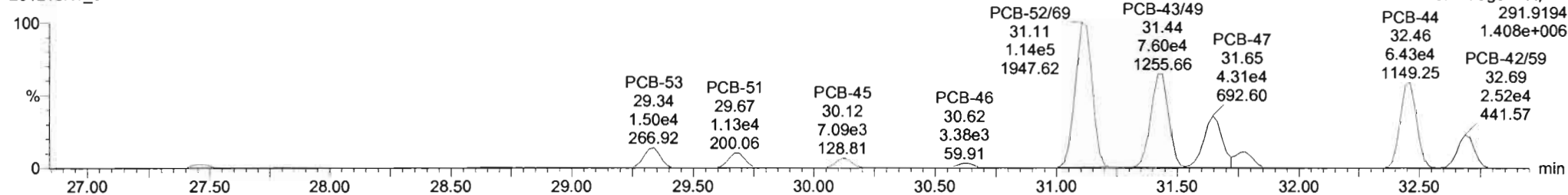
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**PCB-50**

201215K1\_3

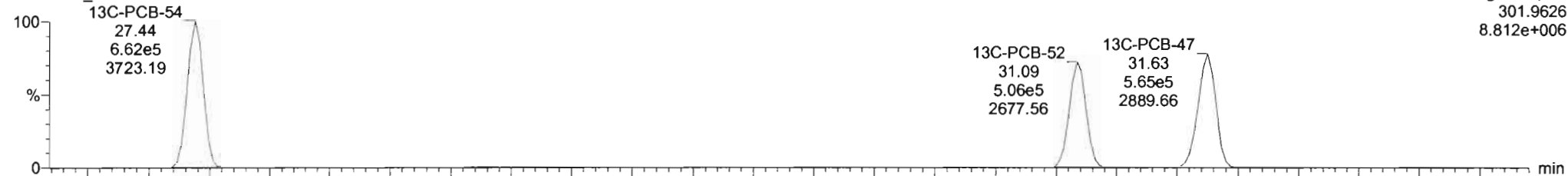


201215K1\_3

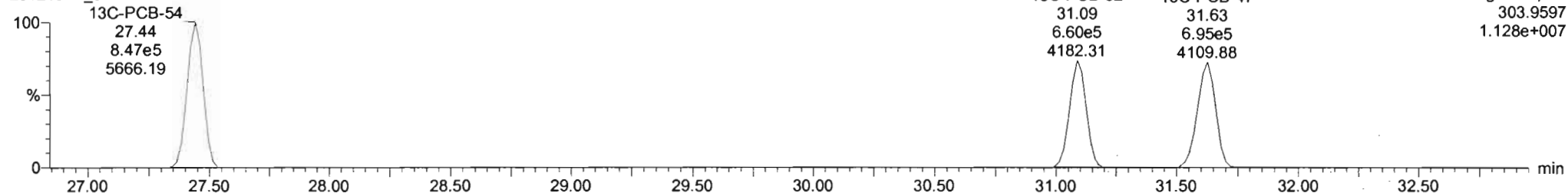


**13C-PCB-52**

201215K1\_3



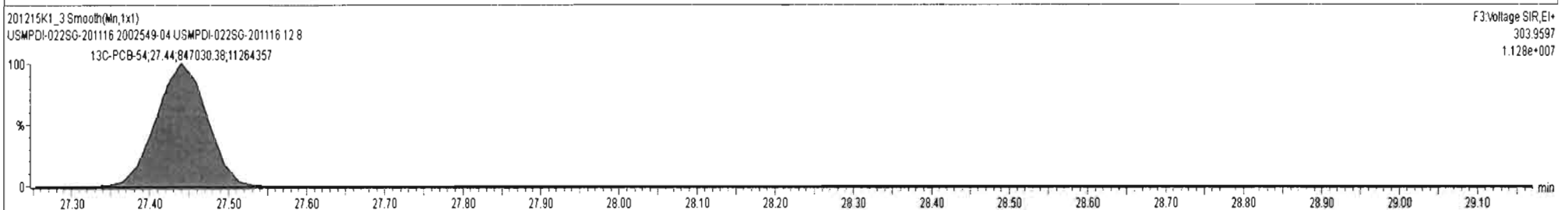
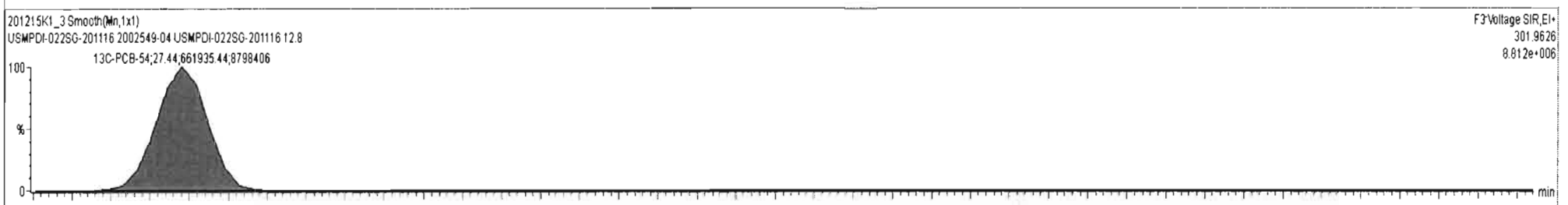
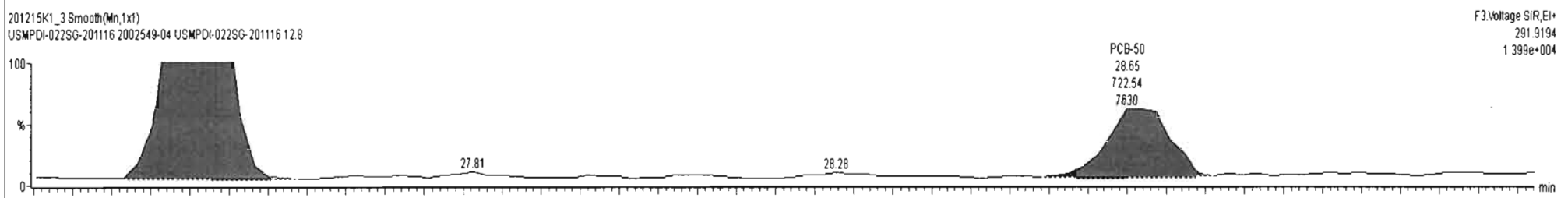
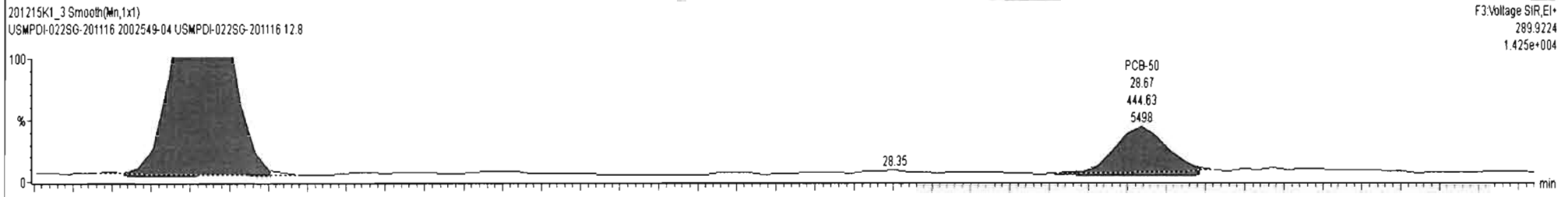
201215K1\_3



201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

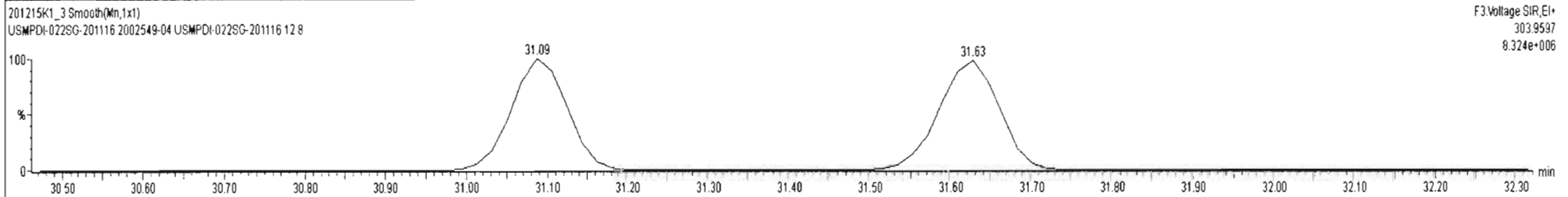
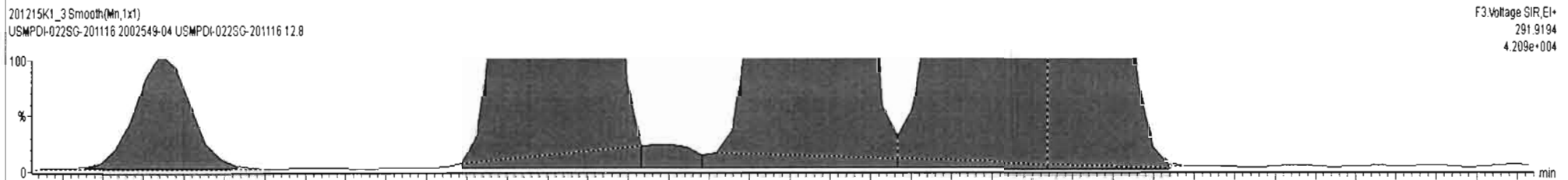
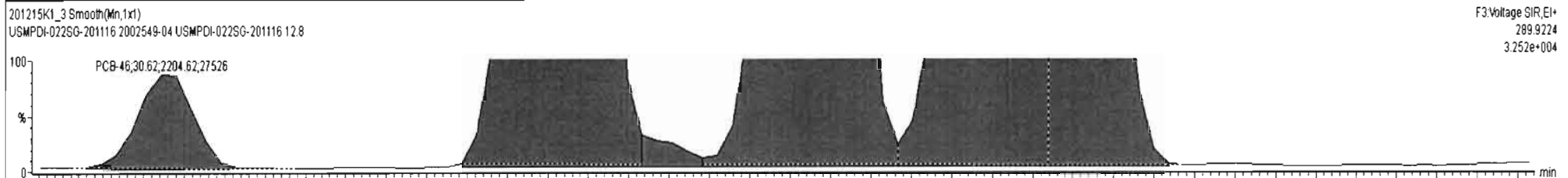
#	Name	Resp	RA	nly	RRF	wtAol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2343		9.51	2388
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3262		6.91	3270
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	32 PCB-54	27.46	27.46	2.257e3	2.845e3	0.770	0.79	NO	6.8351	6.8351
2	33 PCB-50	28.66	28.67	4.446e2	7.225e2	0.770	0.62	YES	1.8619	0.00000
3	34 PCB-53	29.32	29.34	1.094e4	1.499e4	0.770	0.73	NO	46.643	46.643



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2361		9.51	2376
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3262		6.91	3270
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.80	1081

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
6	37 PCB-46	30.63	30.62	2.205e3	3.300e3	0.770	0.67	NO	12.067	12.067
7	38 PCB-5269	31.12	31.12	8.569e4	1.147e5	0.770	0.75	NO	312.74	312.74
8	39 PCB-73	31.24	31.22	4.714e2	5.825e2	0.770	0.81	NO	1.3627	1.3627
9	40 PCB-4349	31.41	31.44	5.768e4	7.708e4	0.770	0.75	NO	246.06	246.06
10	41 PCB-47	31.65	31.65	3.389e4	4.355e4	0.770	0.78	NO	140.39	140.39
11	42 PCB-4875	31.78	31.78	1.047e4	1.332e4	0.770	0.79	NO	35.853	35.853

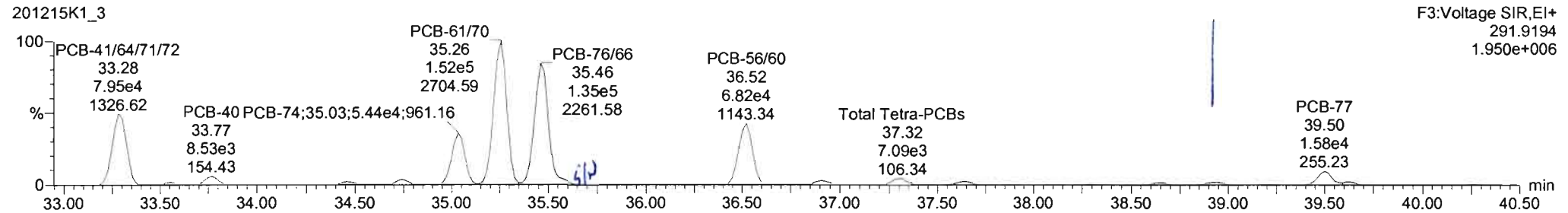
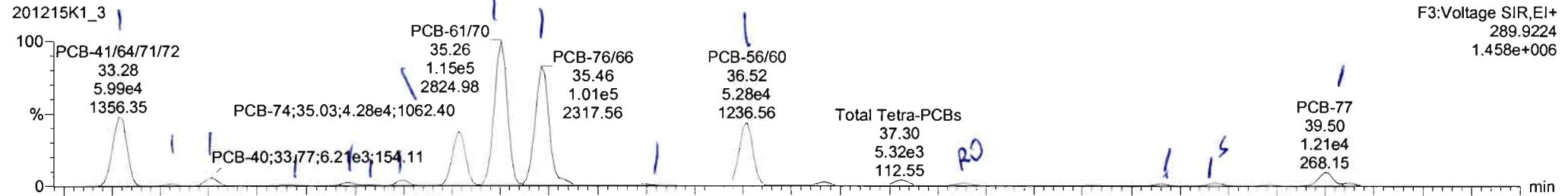


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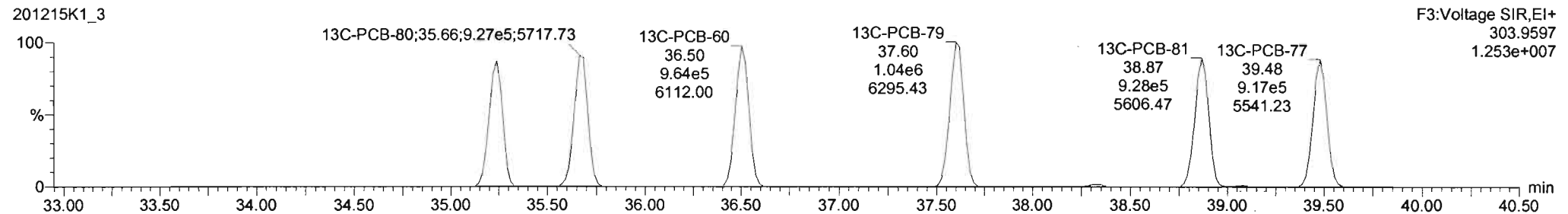
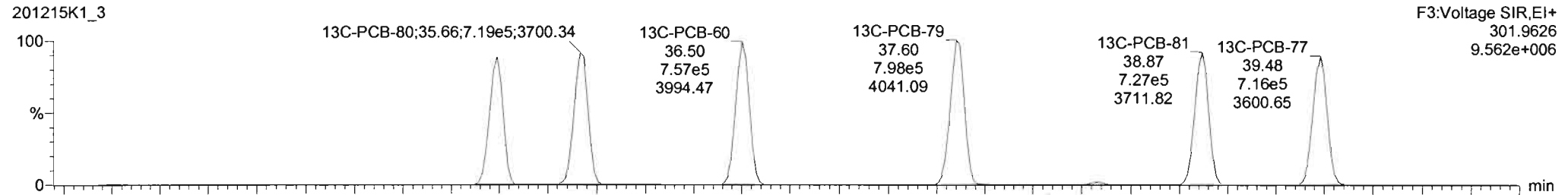
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

**PCB-68**

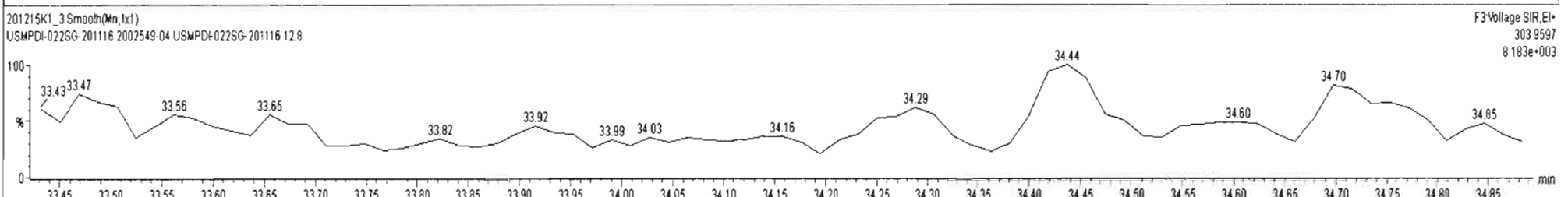
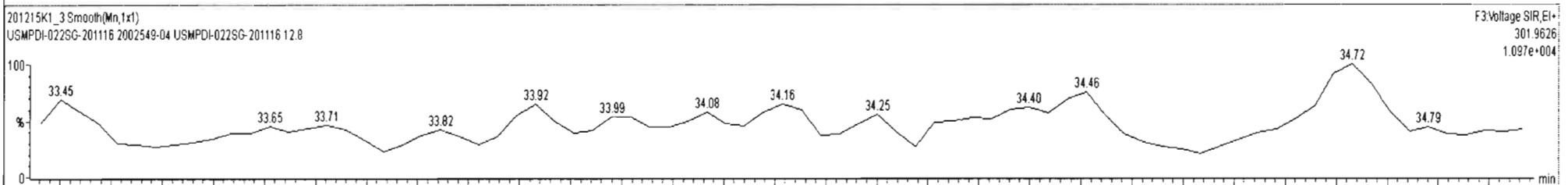
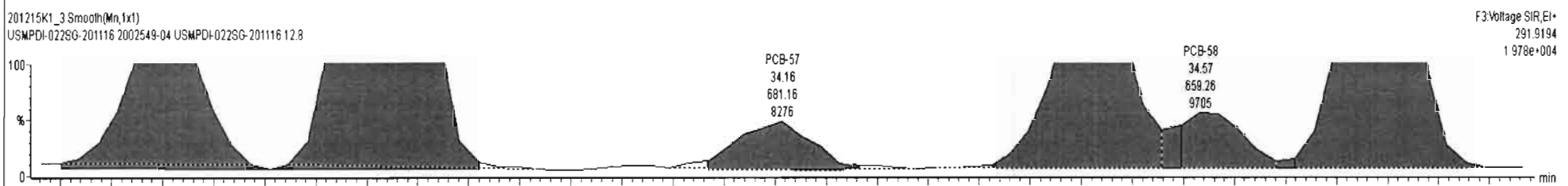
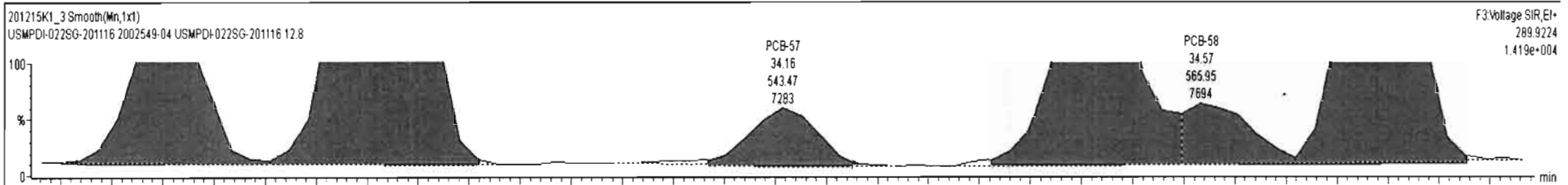


**13C-PCB-60**



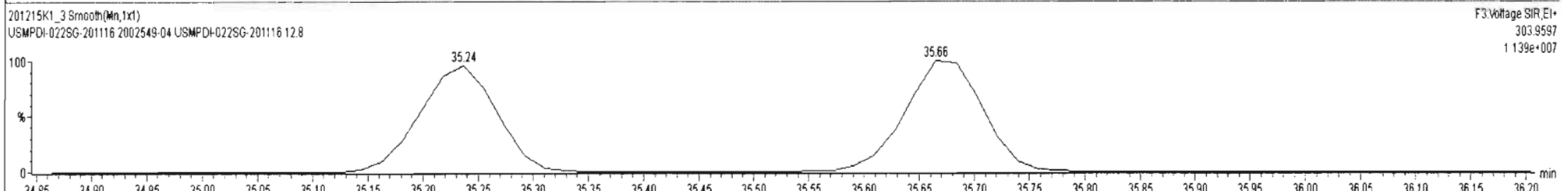
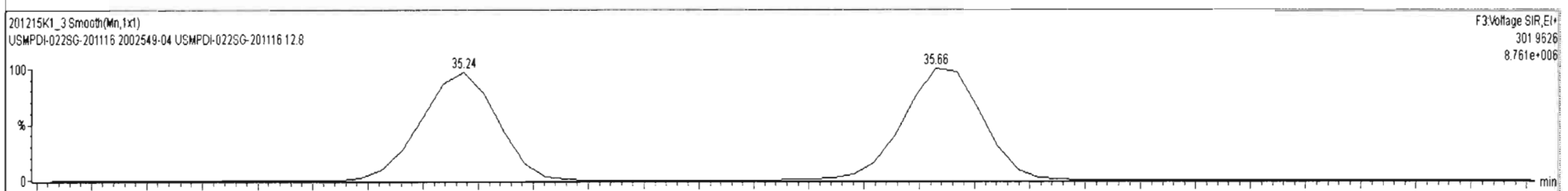
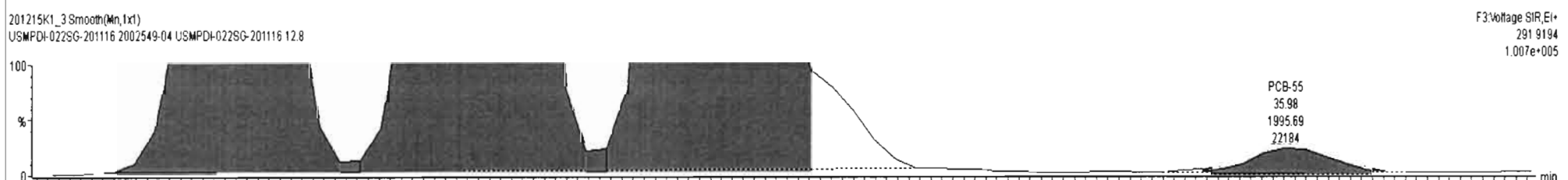
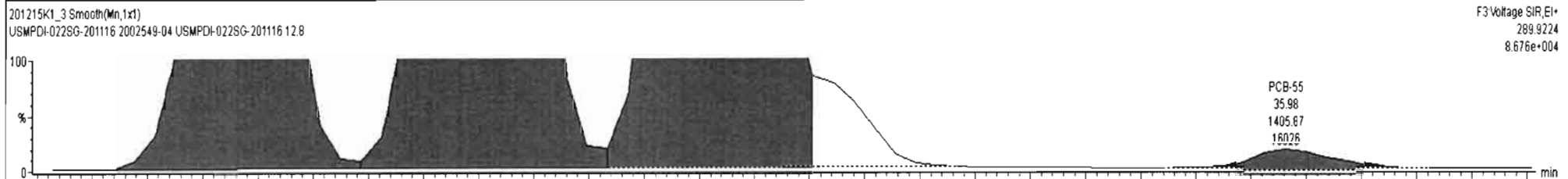
#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2369		9.51	2377
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3262		6.91	3270
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.80	1081

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
15	48 PCB-68	33.58	33.56	1.546e3	2.330e3	0.770	0.66	NO	5.0980	5.0980
16	49 PCB-40	33.81	33.77	6.203e3	8.617e3	0.770	0.72	NO	40.491	40.491
17	50 PCB-57	34.14	34.16	5.435e2	6.812e2	0.770	0.80	NO	1.4463	1.4463
18	51 PCB-67	34.45	34.46	2.658e3	3.129e3	0.770	0.85	NO	7.2421	7.2421
19	52 PCB-58	34.57	34.57	5.659e2	6.593e2	0.770	0.86	NO	1.4400	1.4400
20	53 PCB-63	34.74	34.73	3.907e3	4.810e3	0.770	0.81	NO	11.417	11.417



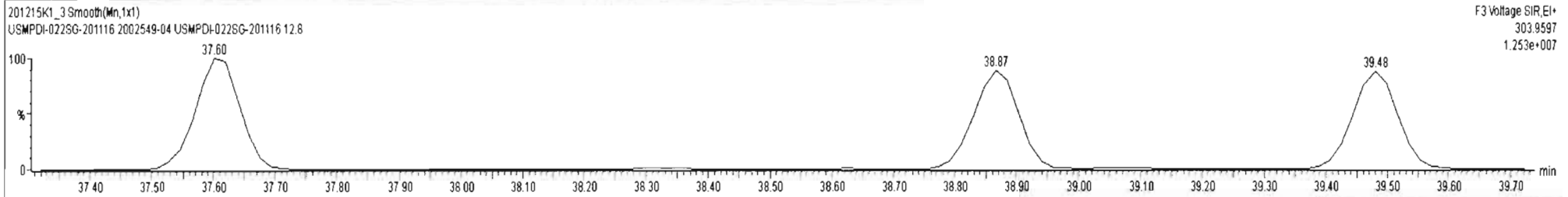
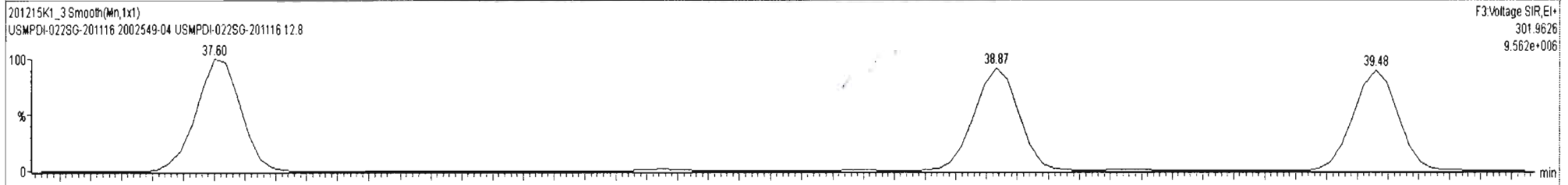
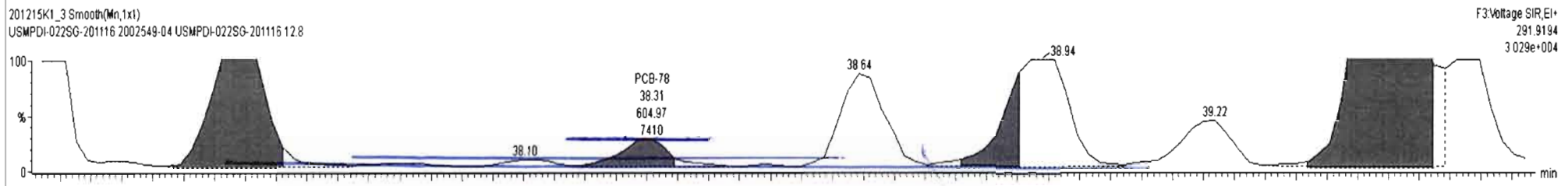
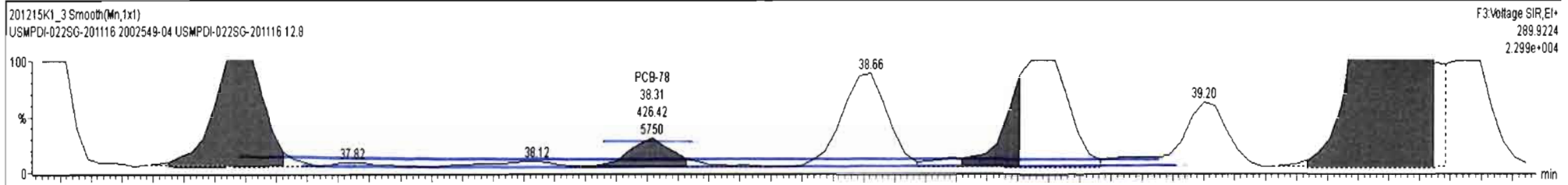
#	Name	Resp	RA	n/y	RFF	wt/Vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.8910	5.077	0.00		0.000		NO	2360		9.51	2368
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3262		6.91	3270
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
20	53 PCB-63	34.74	34.73	3.907e3	4.810e3	0.770	0.81	NO	11.417	11.417
21	54 PCB-74	35.04	35.03	4.279e4	5.445e4	0.770	0.79	NO	113.71	113.71
22	55 PCB-61/70	35.25	35.26	1.150e5	1.525e5	0.770	0.75	NO	347.81	347.81
23	56 PCB-76/66	35.43	35.46	9.722e4	1.317e5	0.770	0.74	NO	271.70	271.70
24	58 PCB-55	36.02	35.98	1.406e3	1.996e3	0.770	0.70	NO	3.8222	3.8222
25	59 PCB-56/60	36.53	36.52	5.279e4	6.820e4	0.770	0.77	NO	153.06	153.06



#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R..	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2363		9.51	2360
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3262		6.91	3270
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
24	58 PCB-55	36.02	35.98	1.406e3	1.996e3	0.770	0.70	NO	3.8222	3.8222
25	59 PCB-56/60	36.53	36.52	5.279e4	6.820e4	0.770	0.77	NO	153.06	153.06
26	60 PCB-79	37.63	37.64	2.207e3	3.544e3	0.770	0.62	YES	5.7312	0.00000
27	61 PCB-78	38.34	38.31	4.264e2	6.050e2	0.770	0.70	NO	1.2203	1.2203
28	62 PCB-81	38.88	38.90	5.716e2	8.615e2	0.770	0.66	NO	1.8133	1.8133
29	63 PCB-77	39.50	39.50	1.169e4	1.526e4	0.770	0.77	NO	31.553	31.553



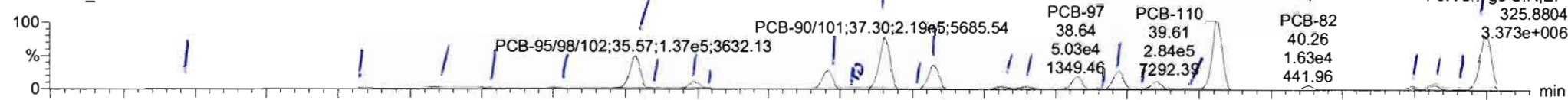
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

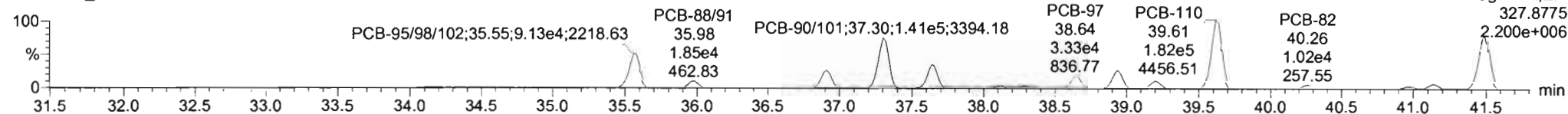
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**PCB-104**

201215K1\_3

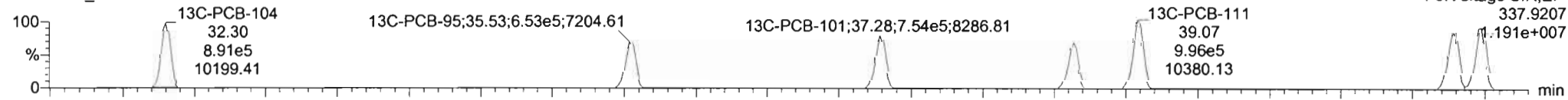


201215K1\_3

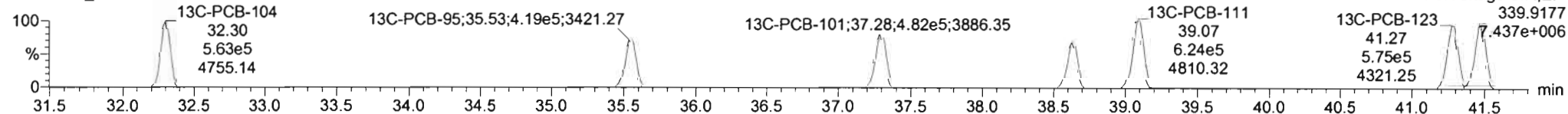


**13C-PCB-104**

201215K1\_3

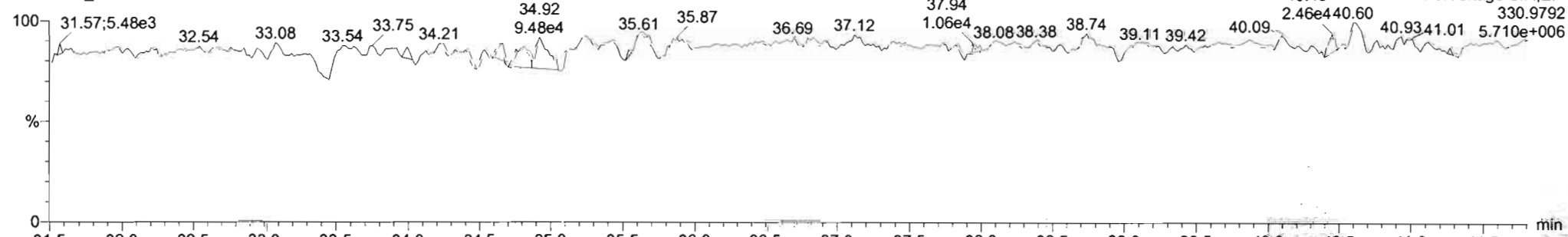


201215K1\_3



**PFK3b**

201215K1\_3





Dataset: Untitled

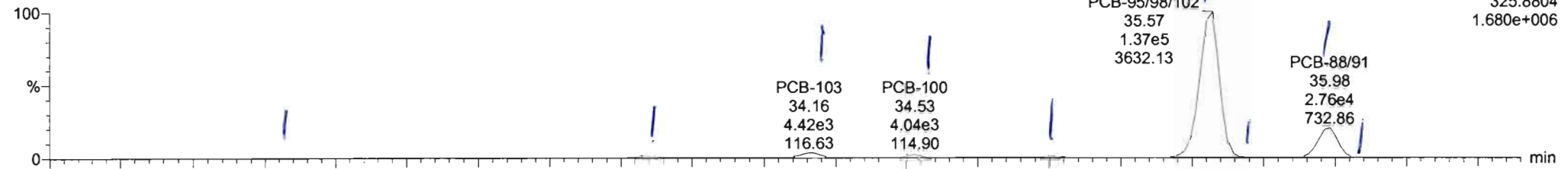
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

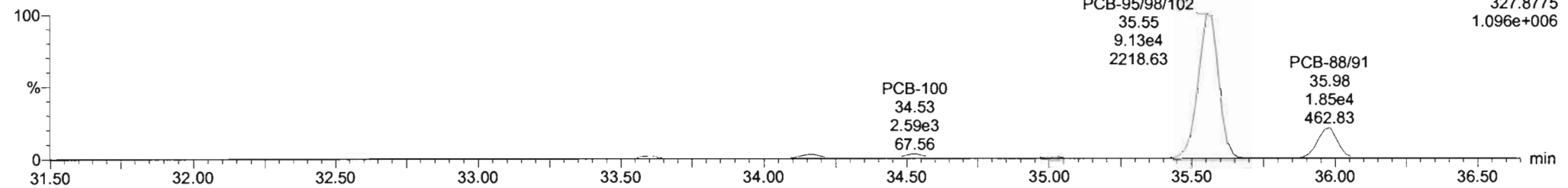
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**PCB-96**

201215K1\_3

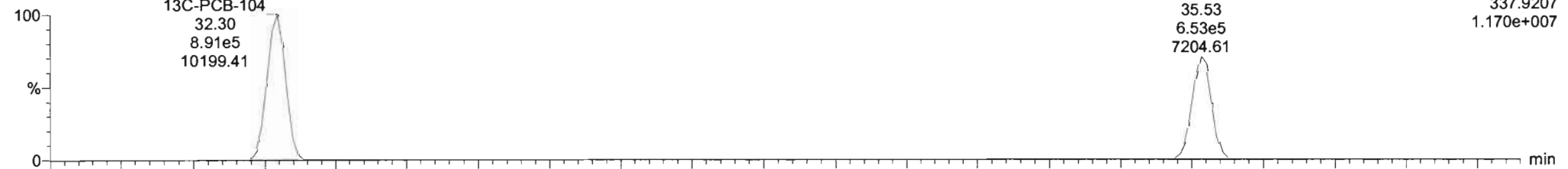


201215K1\_3

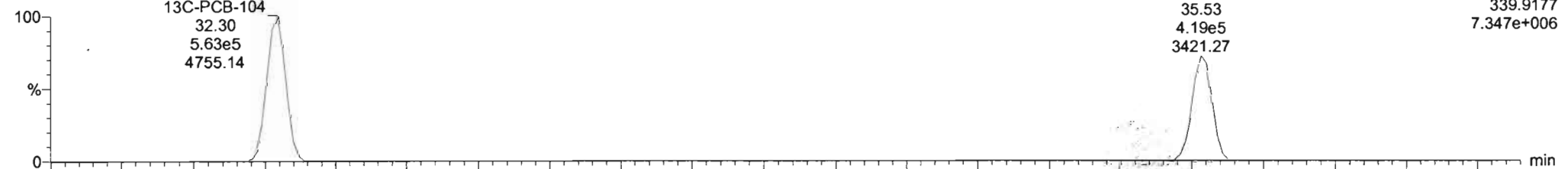


**13C-PCB-95**

201215K1\_3



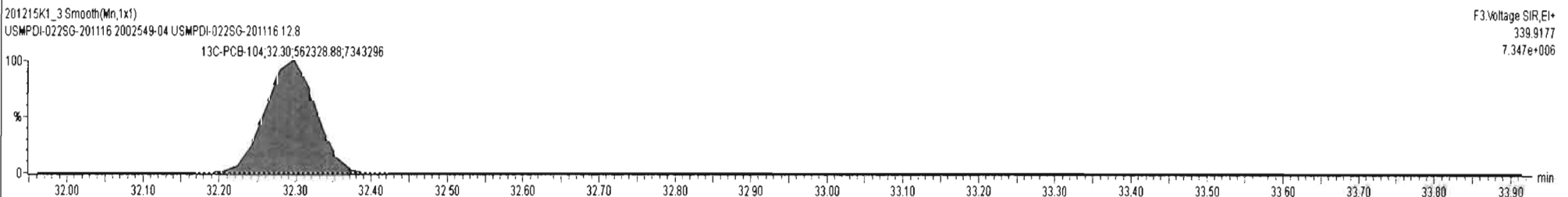
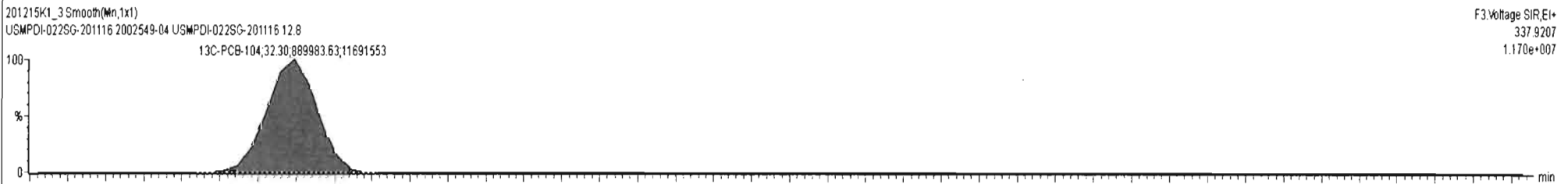
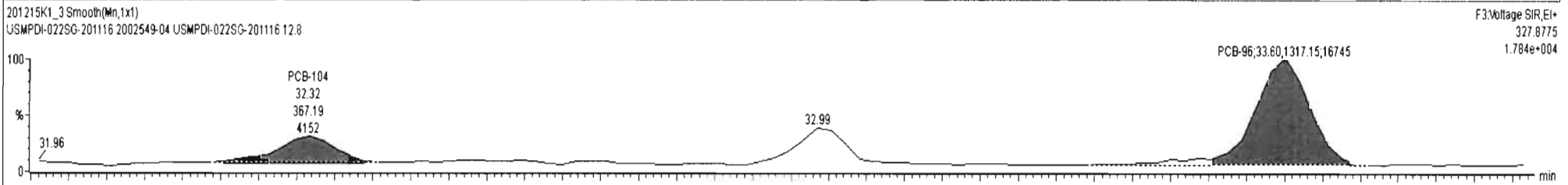
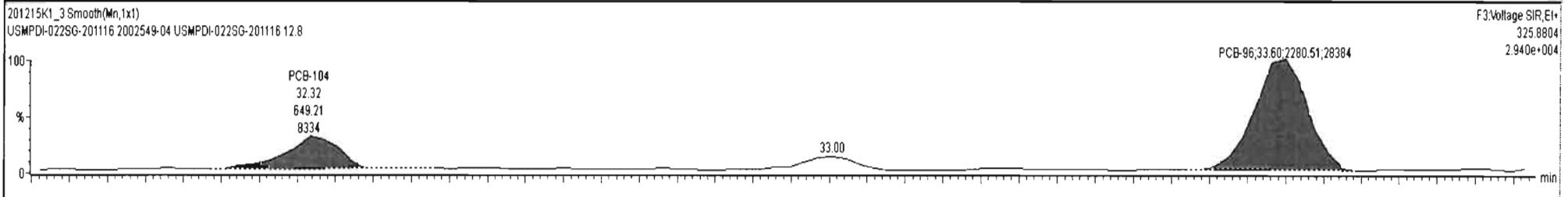
201215K1\_3



201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2353		9.51	2360
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3263		6.91	3270
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081

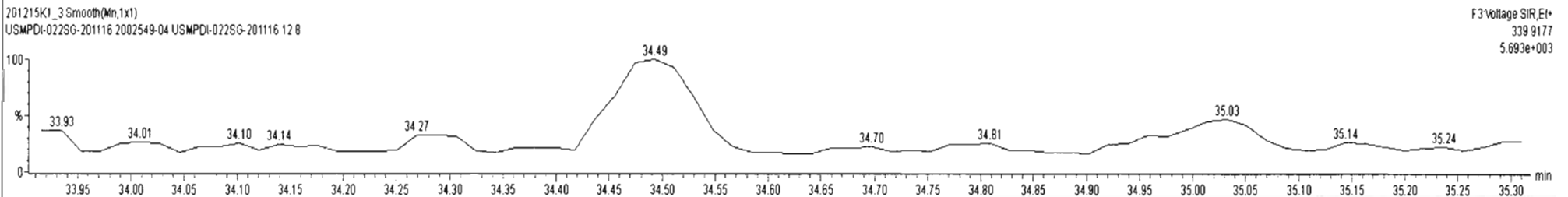
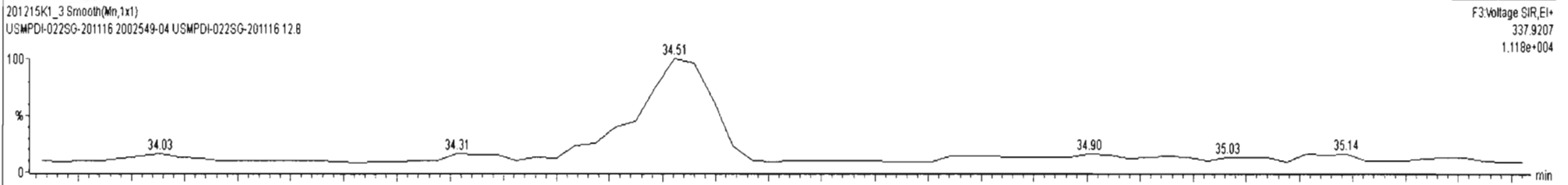
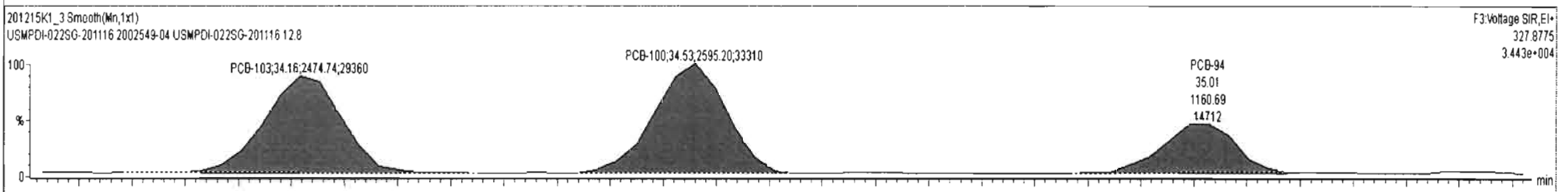
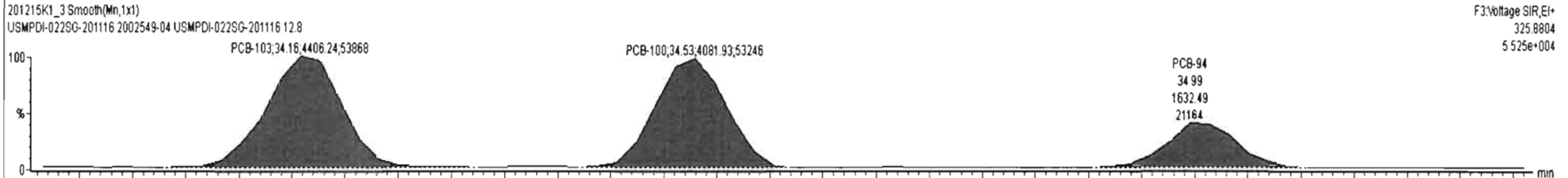
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.32	32.32	6.492e2	3.672e2	1.560	1.77	NO	1.4042	1.4042
2	65 PCB-96	33.61	33.60	2.261e3	1.317e3	1.560	1.73	NO	4.9664	4.9664
3	66 PCB-103	34.17	34.16	4.417e3	2.507e3	1.560	1.76	NO	12.203	12.203
4	67 PCB-100	34.54	34.53	4.044e3	2.592e3	1.560	1.56	NO	11.184	11.184
5	68 PCB-94	34.99	34.99	1.648e3	1.160e3	1.560	1.42	NO	6.2164	6.2164
6	69 PCB-95/98/102	35.49	35.57	1.369e5	9.125e4	1.560	1.50	NO	391.70	391.70



201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

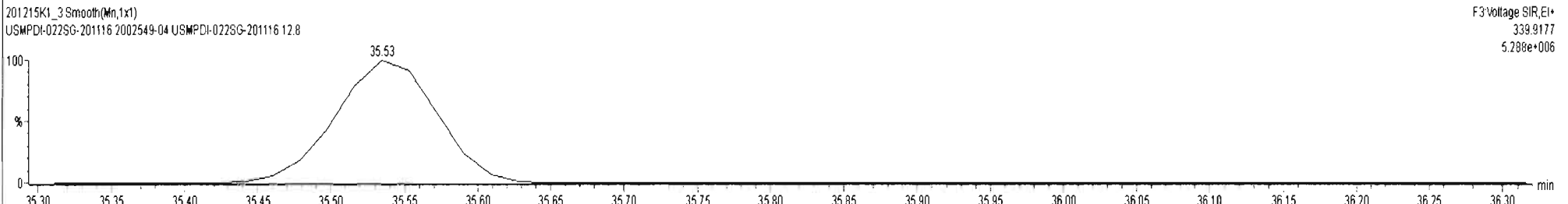
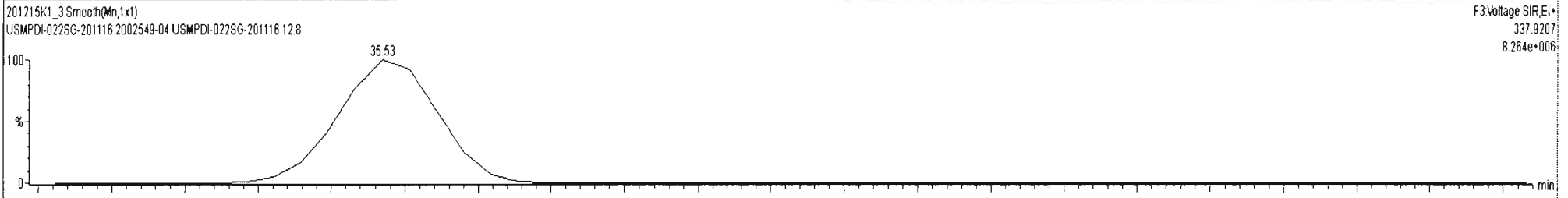
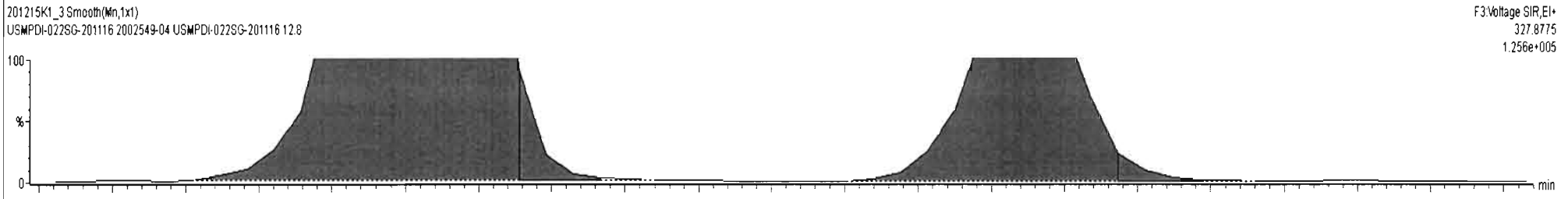
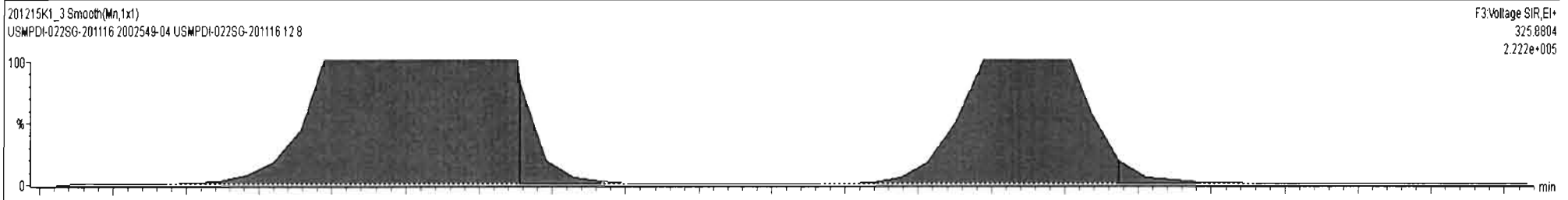
#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2353		9.51	2360
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3263		6.91	3270
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.32	32.32	6.492e2	3.672e2	1.560	1.77	NO	1.4042	1.4042
2	65 PCB-96	33.61	33.60	2.281e3	1.317e3	1.560	1.73	NO	4.9664	4.9664
3	66 PCB-103	34.17	34.16	4.406e3	2.475e3	1.560	1.78	NO	12.126	12.126
4	67 PCB-100	34.54	34.53	4.082e3	2.595e3	1.560	1.57	NO	11.253	11.253
5	68 PCB-94	34.99	34.99	1.632e3	1.161e3	1.560	1.41	NO	6.1831	6.1831
6	69 PCB-95/98/102	35.49	35.57	1.369e5	9.125e4	1.560	1.50	NO	391.70	391.70



#	Name	Resp	RA	n/y	RF	wtAval	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.9910	5.077	0.00		0.000		NO	2353		9.51	2360
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3266		6.91	3272
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
6	69 PCB-95/98/102	35.49	35.57	1.344e5	8.964e4	1.560	1.50	NO	384.65	384.65
7	70 PCB-93	35.63	35.63	2.709e3	1.635e3	1.560	1.66	NO	10.488	10.488
8	71 PCB-88/91	35.96	35.98	2.689e4	1.792e4	1.560	1.50	NO	90.521	90.521
9	72 PCB-121	36.07	36.04	7.289e2	5.150e2	1.560	1.42	NO	1.5615	1.5615



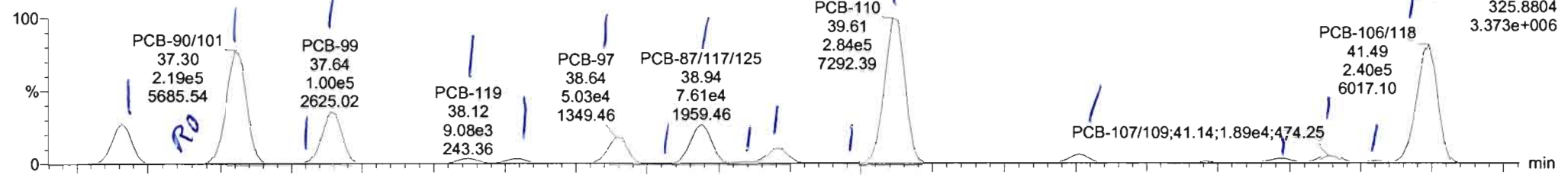
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Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
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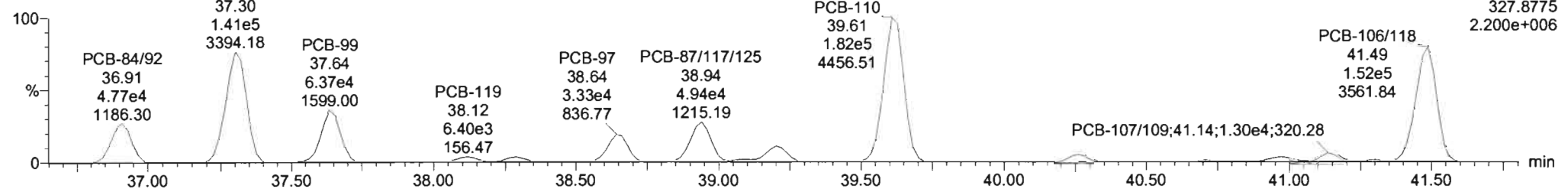
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**PCB-119**

201215K1\_3

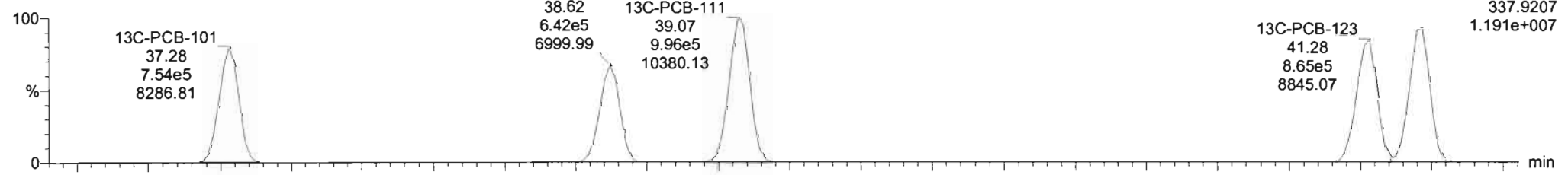


201215K1\_3

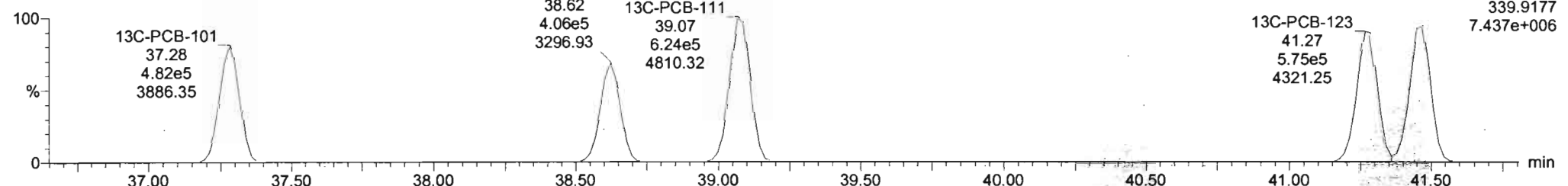


**13C-PCB-111**

201215K1\_3

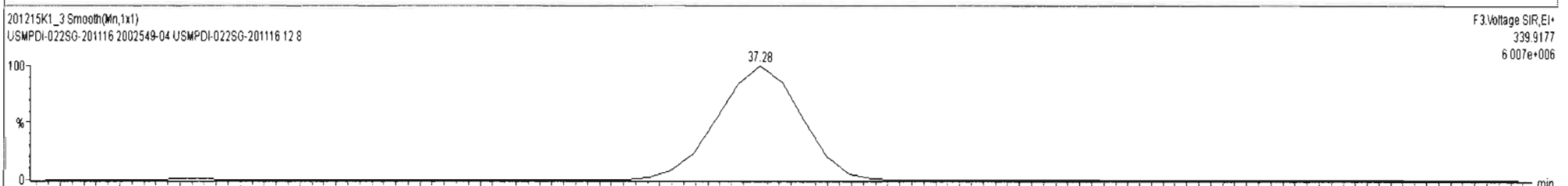
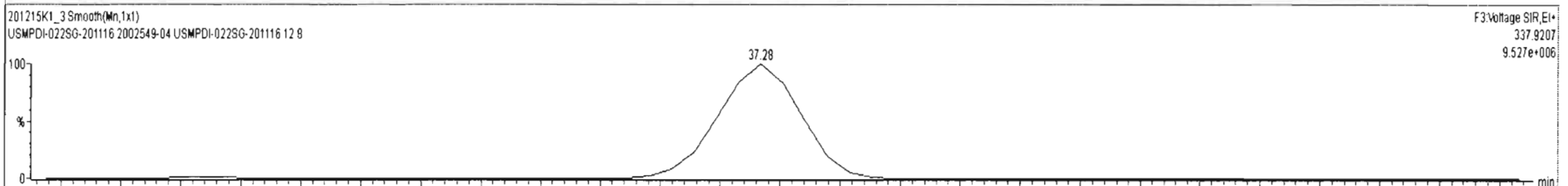
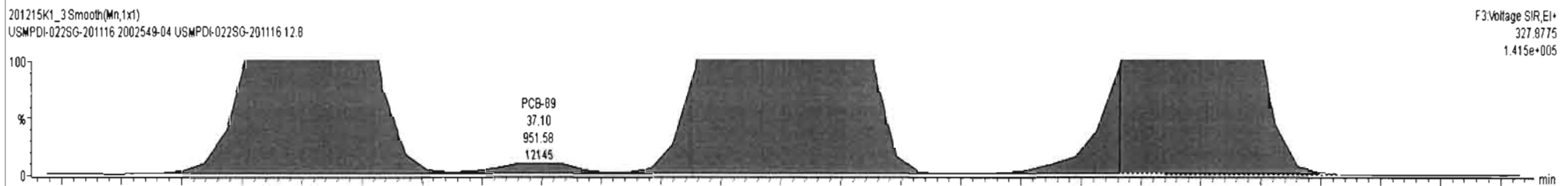


201215K1\_3



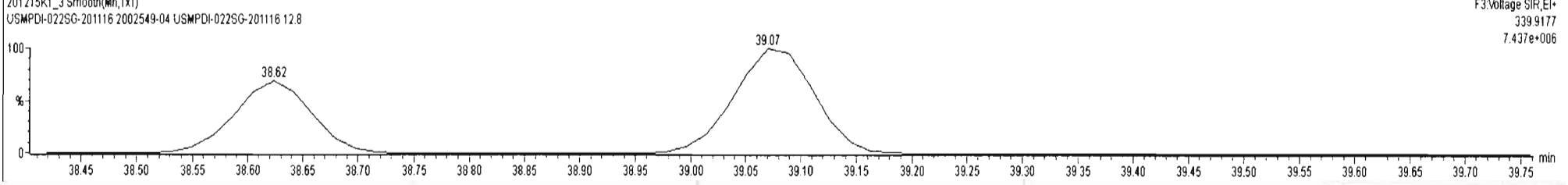
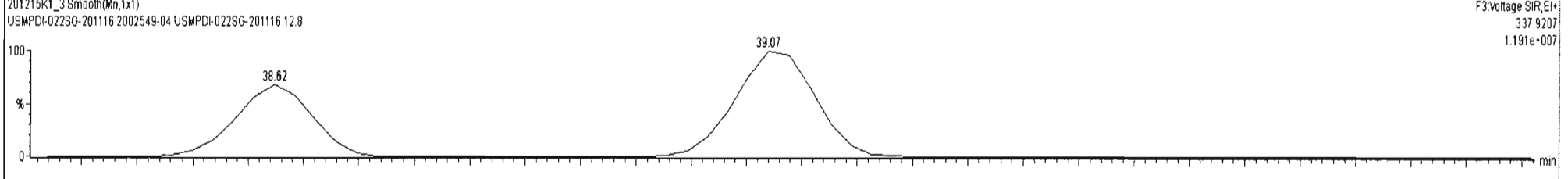
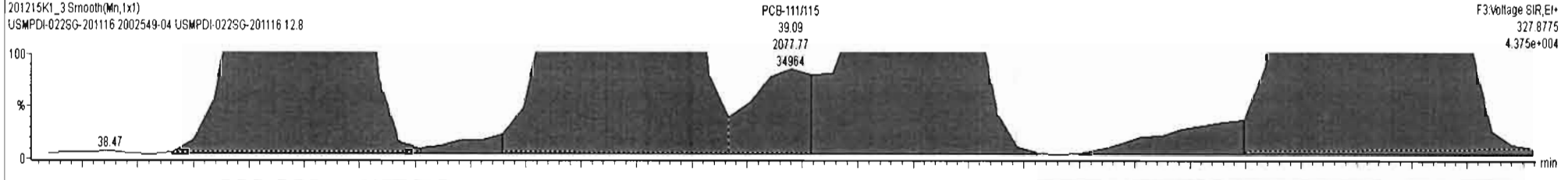
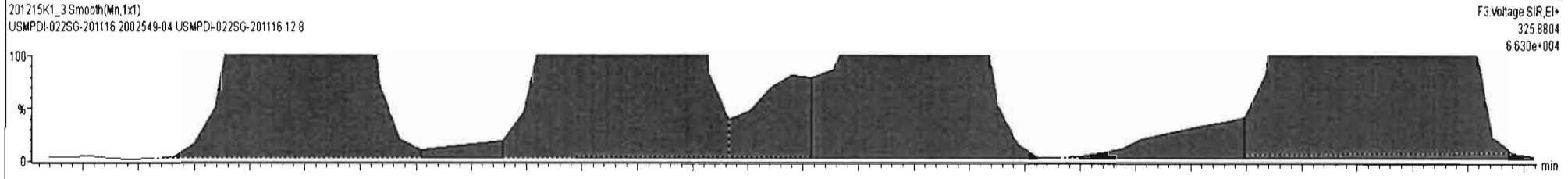
#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	228 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3264		6.91	3275
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>o</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
10	73 PCB-84/82	36.91	36.91	7.425e4	4.768e4	1.560	1.56	NO	235.20	235.20
11	74 PCB-89	37.09	37.10	1.729e3	9.516e2	1.560	1.82	YES	4.3838	0.00000
12	75 PCB-90/101	37.30	37.30	2.207e5	1.408e5	1.560	1.57	NO	636.34	636.34
13	76 PCB-113	37.54	37.58	4.210e3	2.921e3	1.560	1.44	NO	9.0241	9.0241
14	77 PCB-99	37.64	37.64	9.612e4	6.000e4	1.560	1.58	NO	251.62	251.62



#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3265		6.91	3296
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081
232	4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

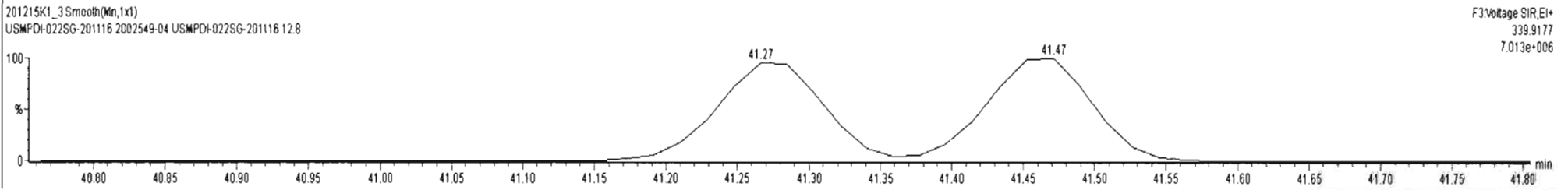
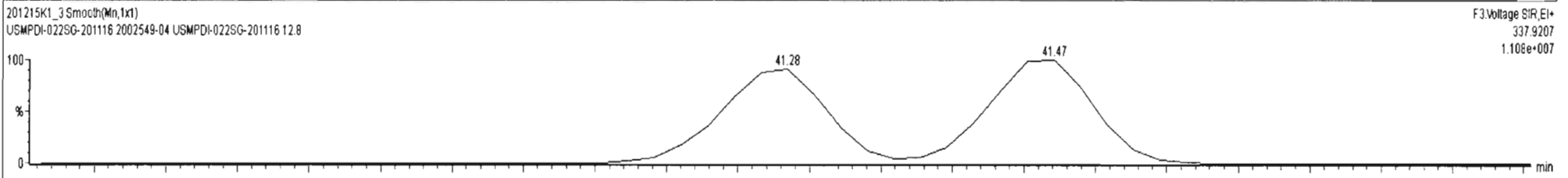
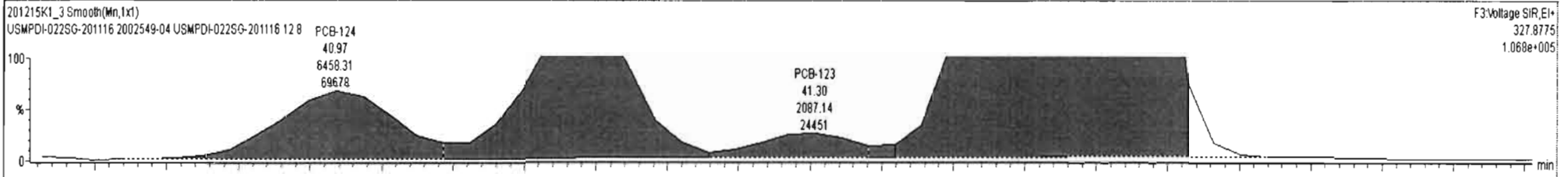
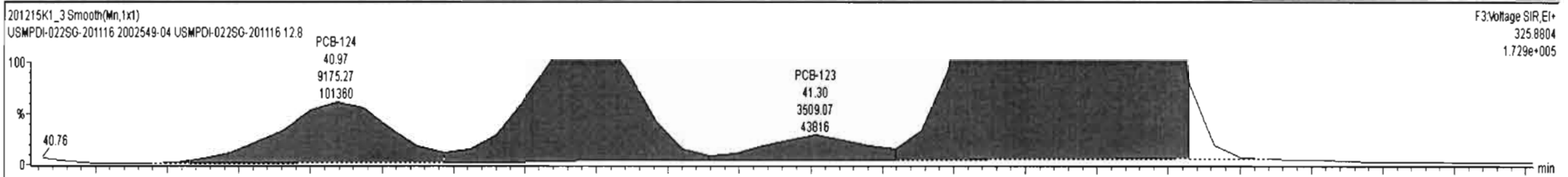
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
17	81 PCB-97	38.64	38.64	5.023e4	3.352e4	1.560	1.50	NO	140.09	140.09
18	82 PCB-86	38.79	38.83	5.834e2	3.615e2	1.560	1.61	NO	1.6767	1.6767
19	83 PCB-87/117/125	38.93	38.94	7.547e4	4.928e4	1.560	1.53	NO	174.87	174.87
20	84 PCB-111/115	39.09	39.09	3.032e3	2.078e3	1.560	1.46	NO	5.9377	5.9377
21	85 PCB-85/116	39.21	39.20	3.200e4	2.020e4	1.560	1.58	NO	79.589	79.589
22	86 PCB-120	39.48	39.50	2.022e3	1.154e3	1.560	1.75	NO	3.3272	3.3272
23	87 PCB-110	39.63	39.61	2.826e5	1.816e5	1.560	1.56	NO	581.40	581.40



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#	Name	Resp	RA	n/y	RRF	wtVol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3268		6.91	3293
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	205.5		2.76	205.5
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
22	88 PCB-120	39.48	39.50	2.022e3	1.154e3	1.560	1.75	NO	3.3272	3.3272
23	87 PCB-110	39.63	39.61	2.826e5	1.816e5	1.560	1.56	NO	581.40	581.40
24	88 PCB-82	40.29	40.26	1.628e4	1.023e4	1.560	1.59	NO	56.884	56.884
25	89 PCB-124	41.00	40.97	9.175e3	6.458e3	1.560	1.42	NO	19.829	19.829
26	90 PCB-107/109	41.14	41.14	1.886e4	1.295e4	1.560	1.46	NO	39.263	39.263
27	91 PCB-123	41.31	41.30	3.509e3	2.087e3	1.560	1.68	NO	7.6509	7.6509
28	90 PCB-106/118	41.51	41.49	2.378e5	1.505e5	1.560	1.58	NO	481.52	481.52



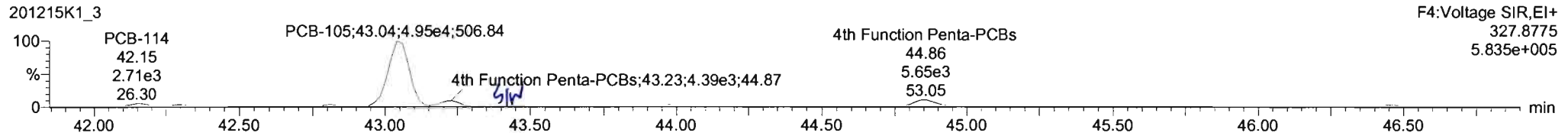
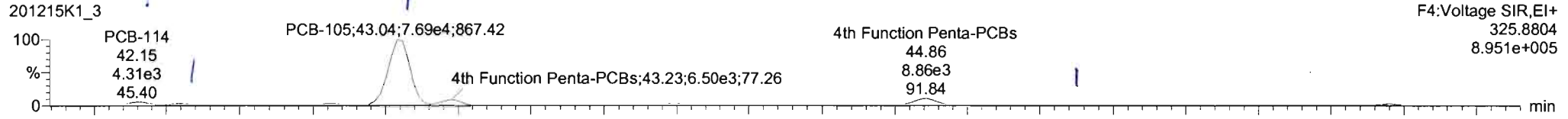


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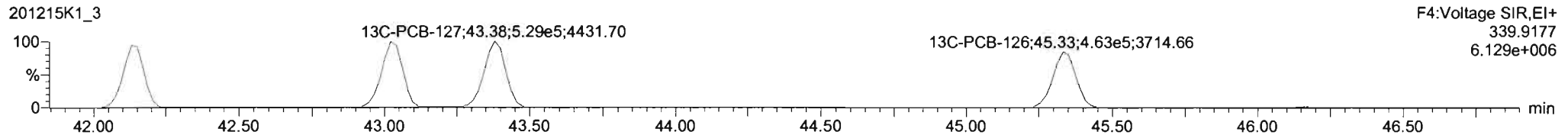
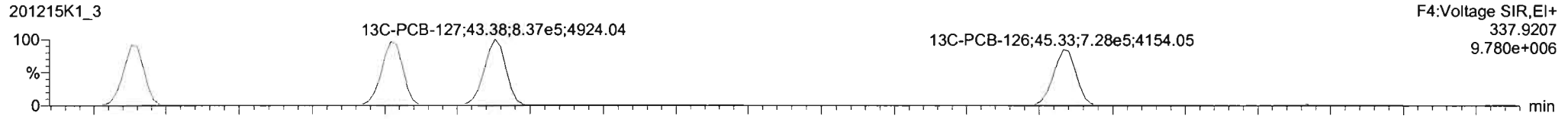
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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

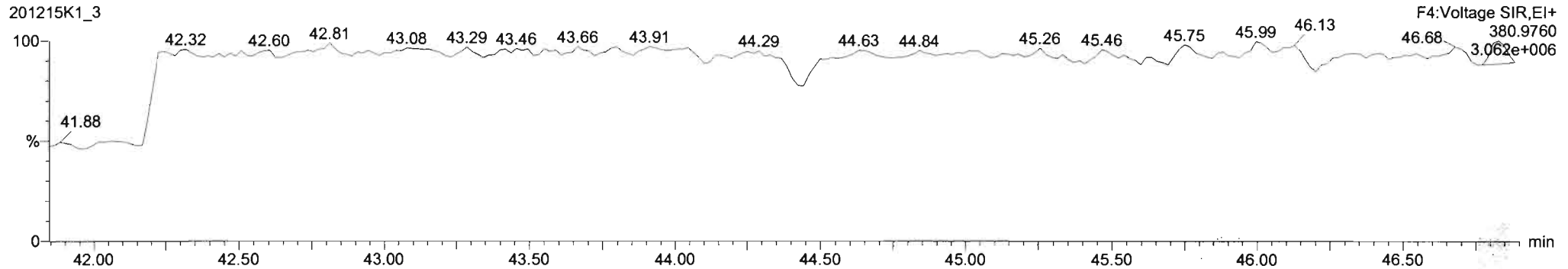
**PCB-114**

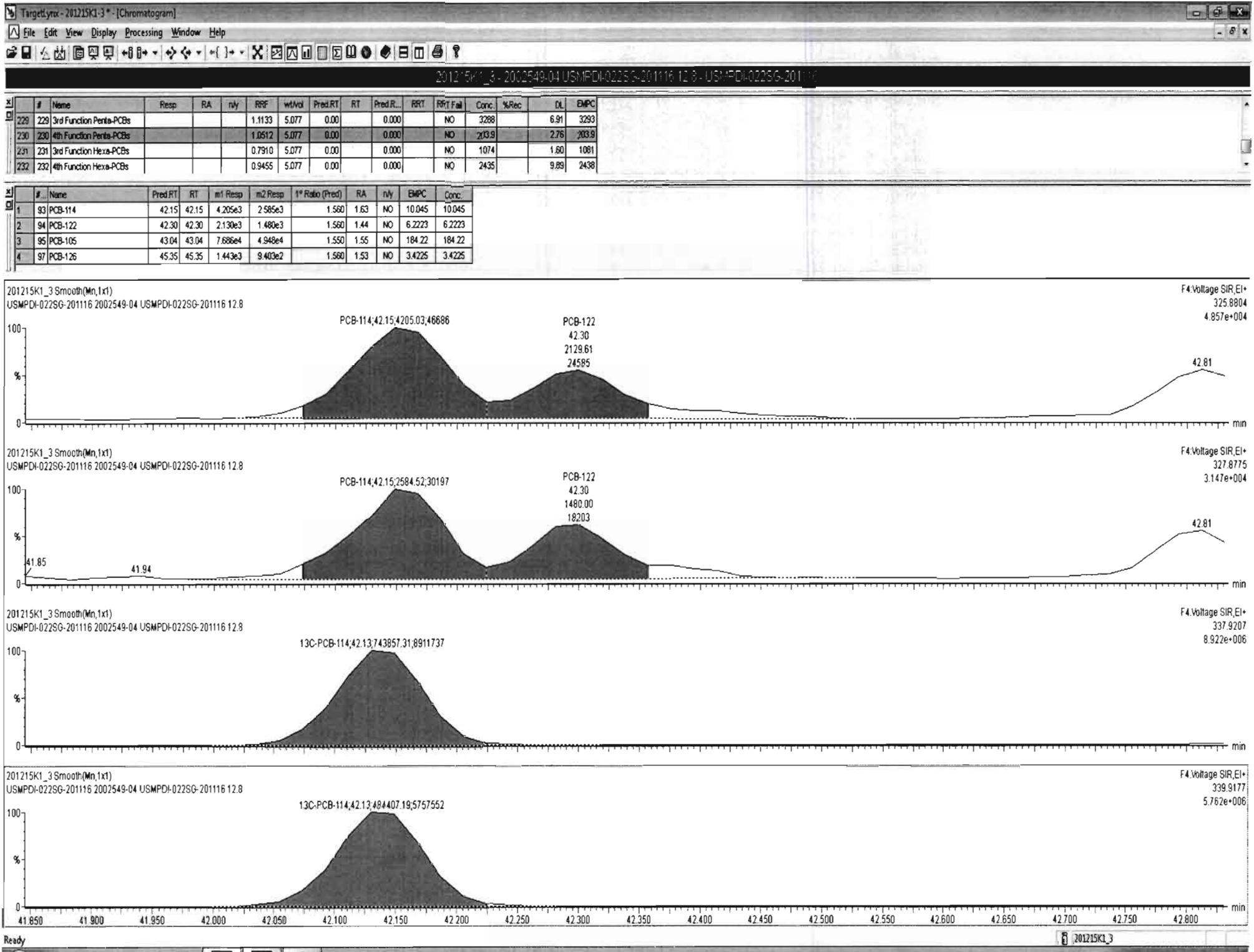


**13C-PCB-114**



**PFK4a**

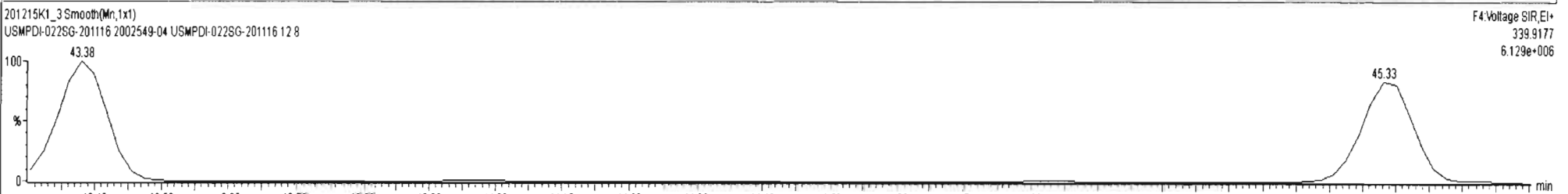
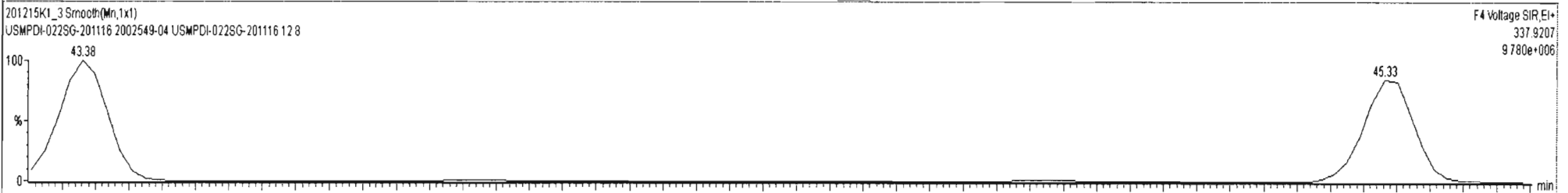
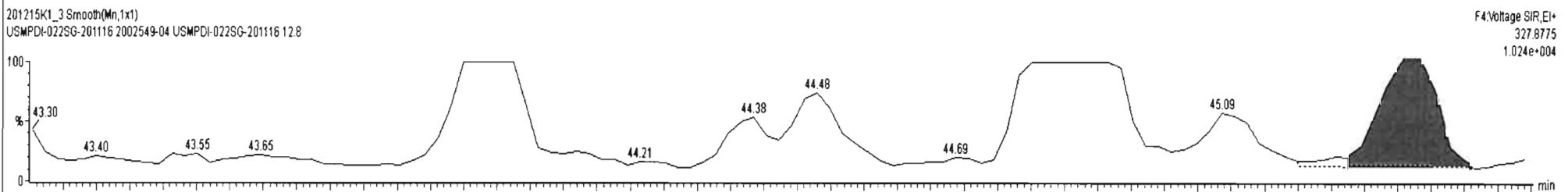
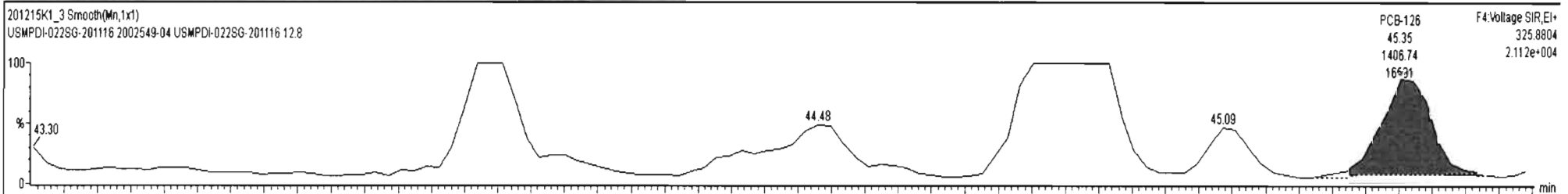




201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.9		2.76	203.8
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1074		1.60	1081
232	4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.15	42.15	4.205e3	2.585e3	1.560	1.63	NO	10.045	10.045
2	94 PCB-122	42.30	42.30	2.130e3	1.480e3	1.560	1.44	NO	6.2223	6.2223
3	95 PCB-105	43.04	43.04	7.686e4	4.948e4	1.550	1.55	NO	184.22	184.22
4	97 PCB-126	45.35	45.35	1.407e3	9.173e2	1.560	1.53	NO	3.3379	3.3379

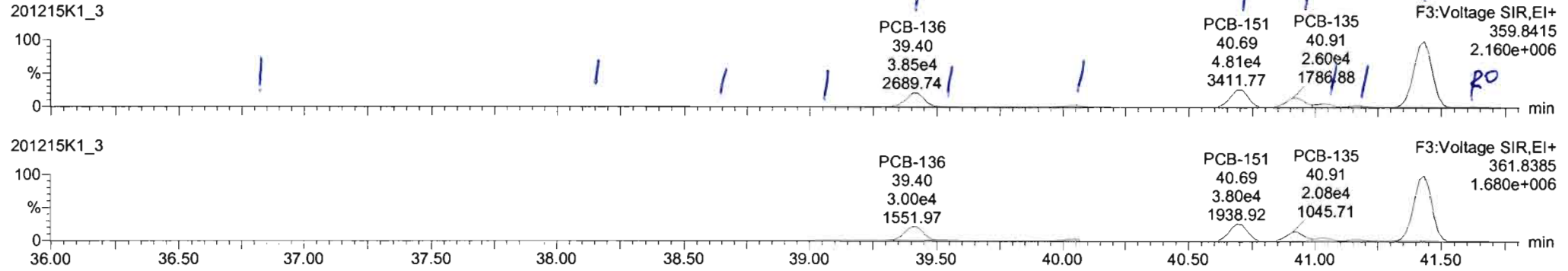


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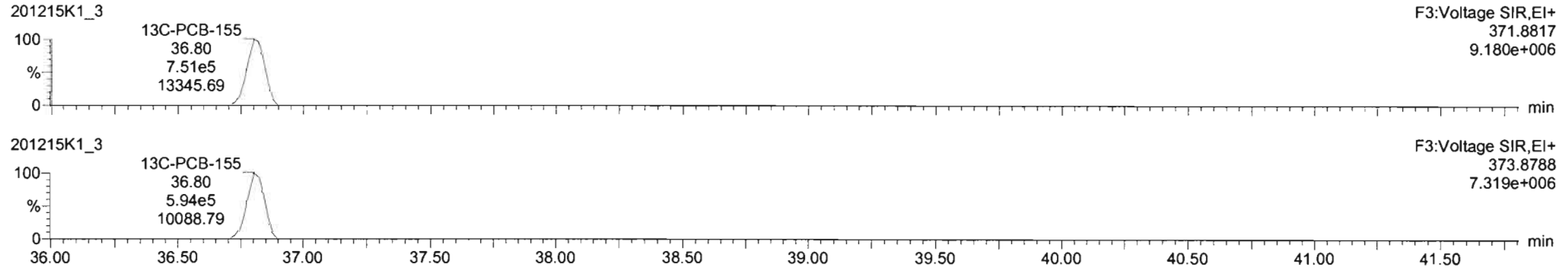
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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

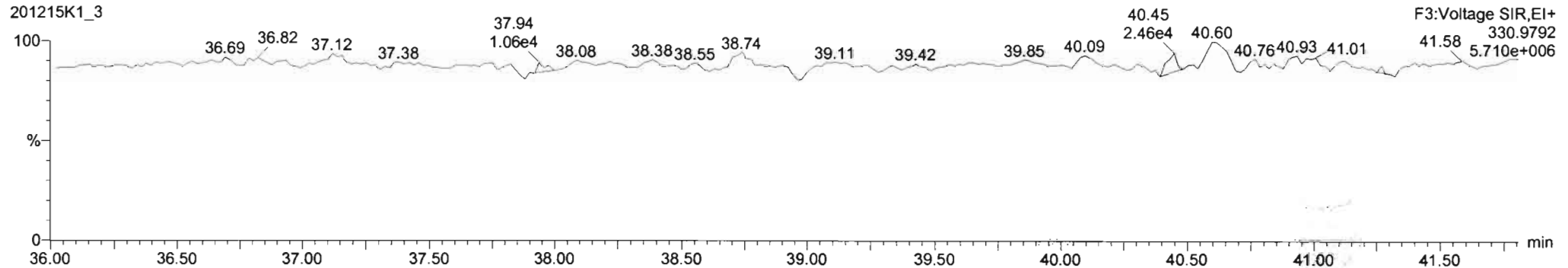
**PCB-155**



**13C-PCB-155**

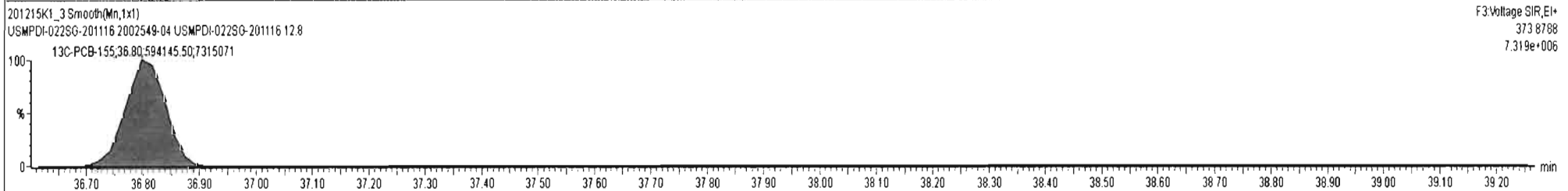
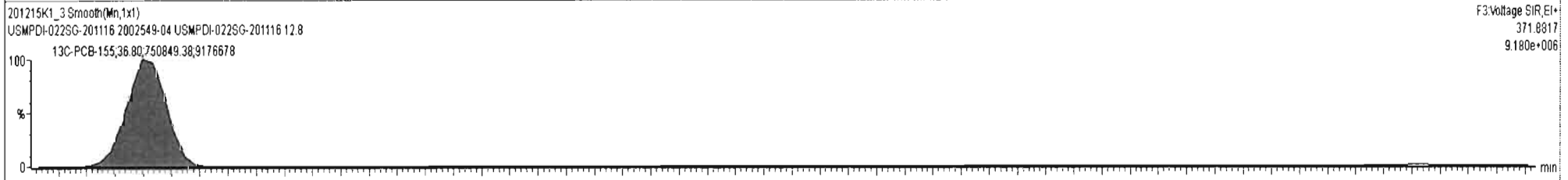
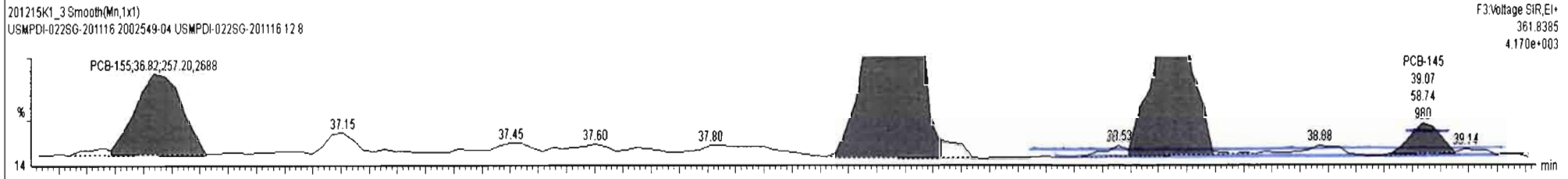
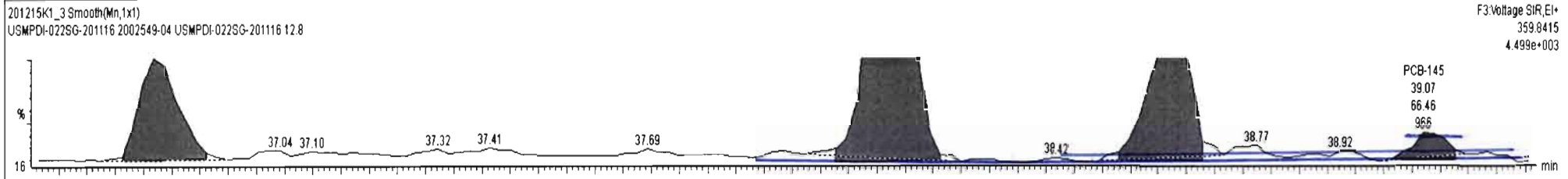


**PFK3c**



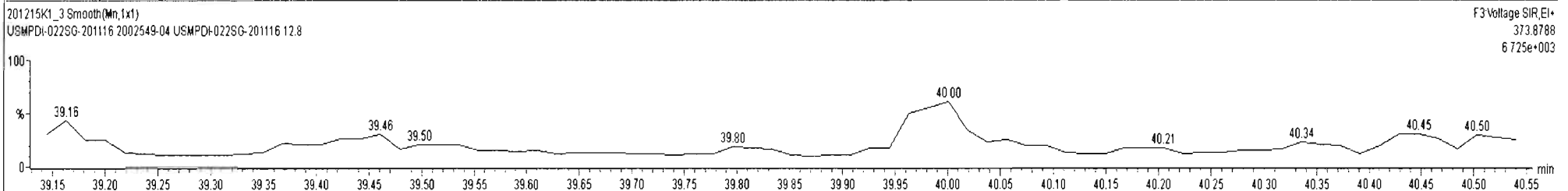
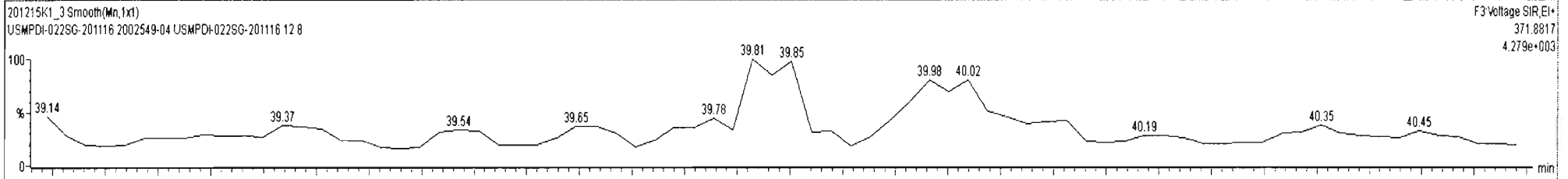
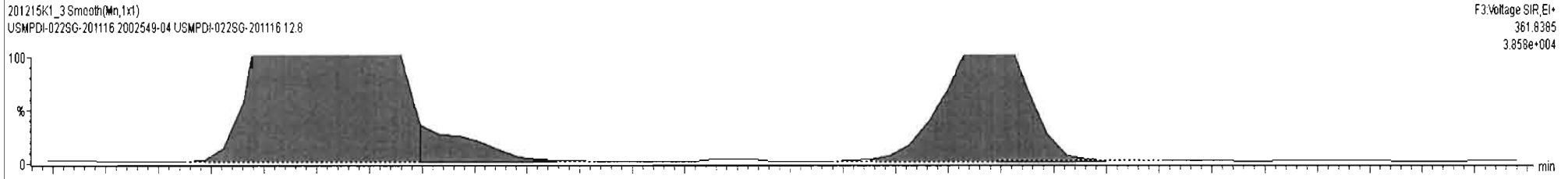
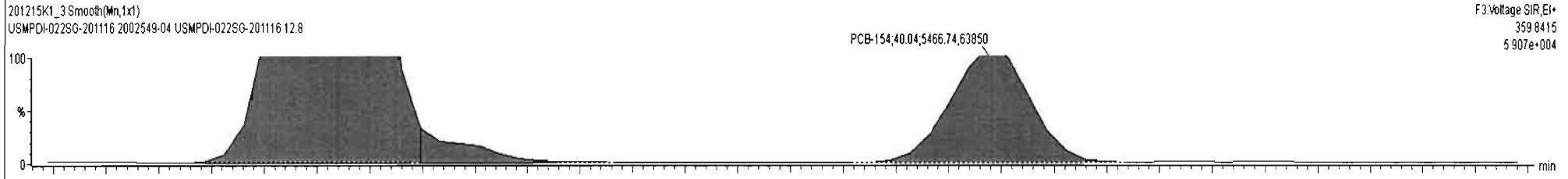
#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288	6.91	3293	
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8	2.76	203.8	
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1095	1.80	1081	
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435	9.89	2436	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	98 PCB-155	36.82	36.82	2.879e2	2.572e2	1.240	1.12	NO	0.93618	0.93618
2	99 PCB-150	38.12	38.12	1.161e3	8.850e2	1.240	1.31	NO	3.2073	3.2073
3	100 PCB-152	38.62	38.62	4.121e2	3.907e2	1.240	1.05	NO	1.1547	1.1547
4	101 PCB-145	39.09	39.07	6.646e1	5.874e1	1.240	1.13	NO	0.18654	0.18654
5	102 PCB-136	39.40	39.40	3.846e4	2.996e4	1.240	1.28	NO	113.71	113.71
6	104 PCB-154	40.03	40.04	5.457e3	4.212e3	1.240	1.30	NO	19.647	19.647
7	105 PCB-151	40.70	40.69	4.811e4	3.803e4	1.240	1.27	NO	187.15	187.15



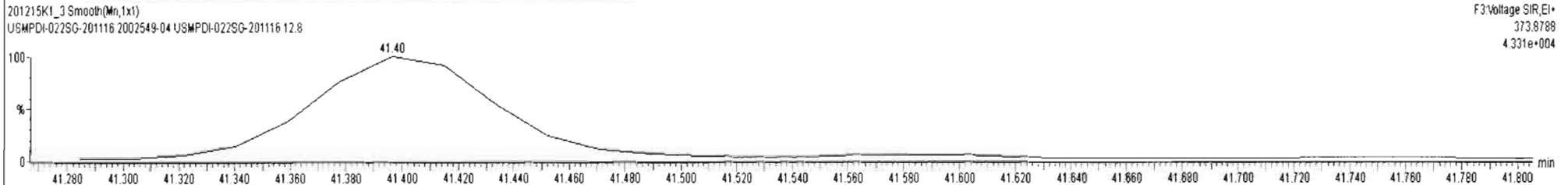
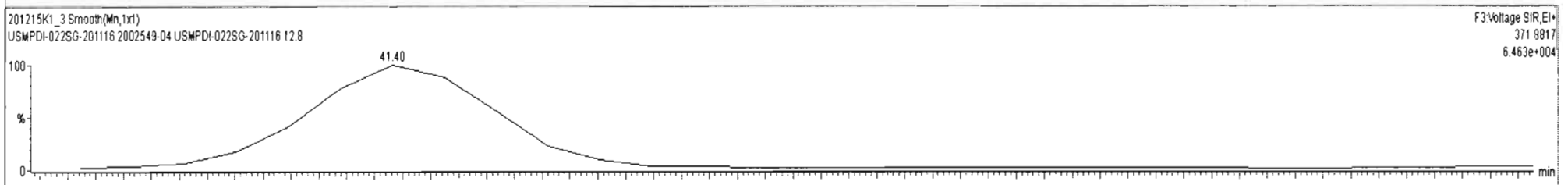
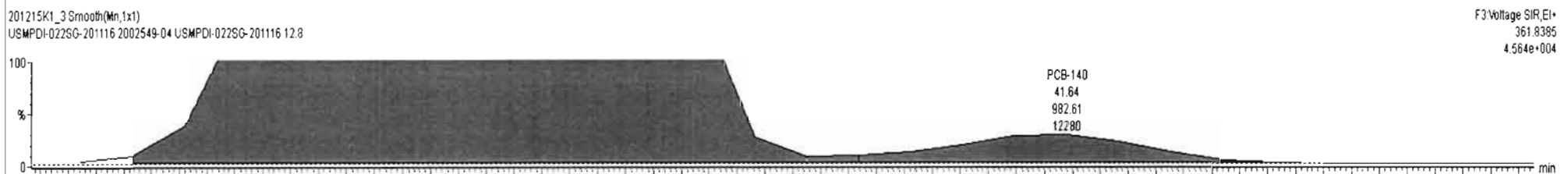
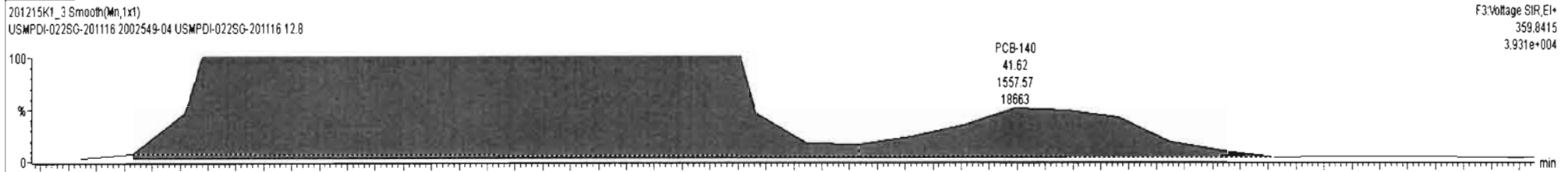
#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RR1 Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8		2.76	203.8
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1076		1.60	1082
232	4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
5	102 PCB-136	39.40	39.40	3.760e4	2.922e4	1.240	1.29	NO	111.06	111.06
6	103 PCB-148	39.53	39.50	9.452e2	7.194e2	1.240	1.31	NO	3.6595	3.6595
7	104 PCB-154	40.03	40.04	5.467e3	4.224e3	1.240	1.29	NO	19.690	19.690
8	105 PCB-151	40.70	40.69	4.811e4	3.803e4	1.240	1.27	NO	187.15	187.15
9	106 PCB-135	40.93	40.91	2.599e4	2.082e4	1.240	1.25	NO	94.806	94.806
10	107 PCB-144	41.02	41.04	8.803e3	6.760e3	1.240	1.30	NO	32.958	32.958
11	108 PCB-147	41.16	41.17	4.748e3	4.193e3	1.240	1.13	NO	18.368	18.368



#	Name	Resp	RA	n/y	RRF	wb/vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8		2.76	203.8
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1077		1.60	1082
232	4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

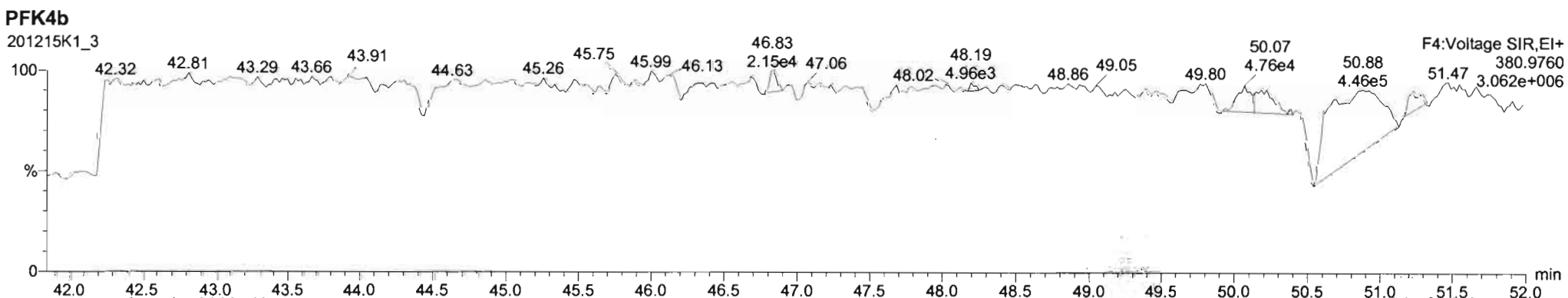
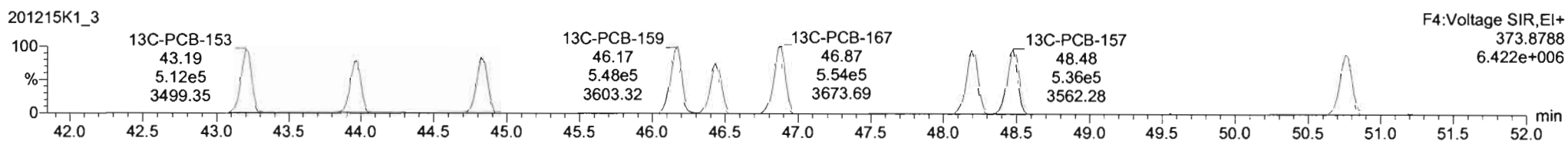
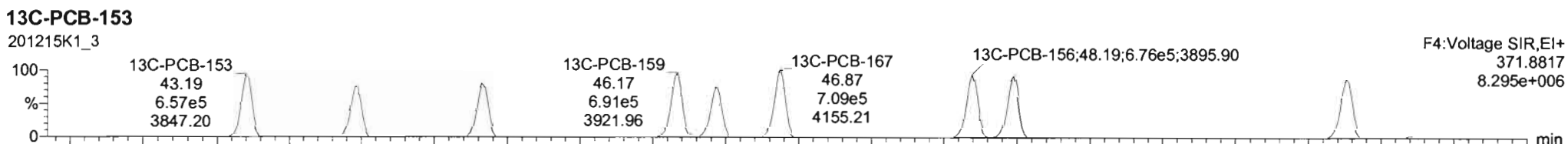
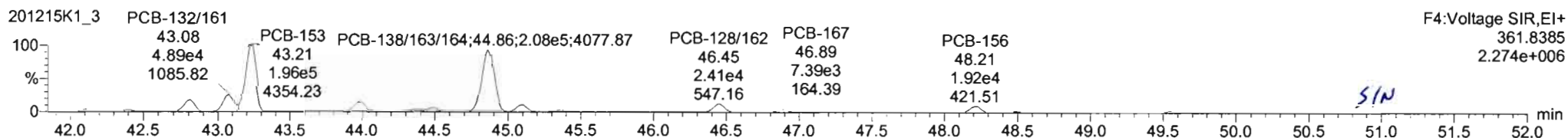
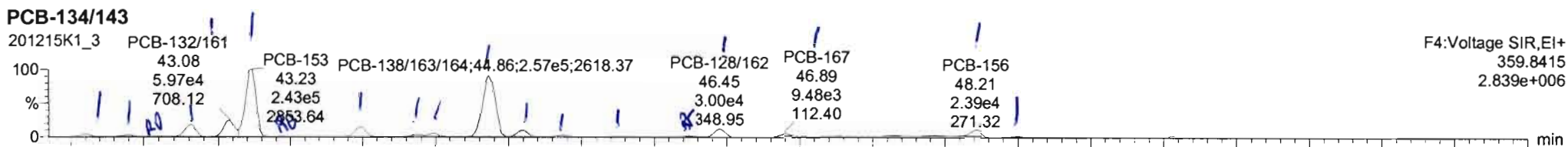
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	98 PCB-155	36.82	36.82	2.879e2	2.572e2	1.240	1.12	NO	0.93618	0.93618
2	99 PCB-150	38.12	38.12	1.161e3	8.850e2	1.240	1.31	NO	3.2073	3.2073
3	100 PCB-152	38.62	38.62	4.121e2	3.907e2	1.240	1.05	NO	1.1547	1.1547
4	101 PCB-145	39.09	39.07	6.646e1	5.874e1	1.240	1.13	NO	0.18654	0.18654
5	102 PCB-136	39.40	39.40	3.760e4	2.922e4	1.240	1.29	NO	111.06	111.06
6	103 PCB-148	39.53	39.50	9.452e2	7.194e2	1.240	1.31	NO	3.6595	3.6595
7	104 PCB-154	40.03	40.04	5.467e3	4.224e3	1.240	1.29	NO	19.690	19.690



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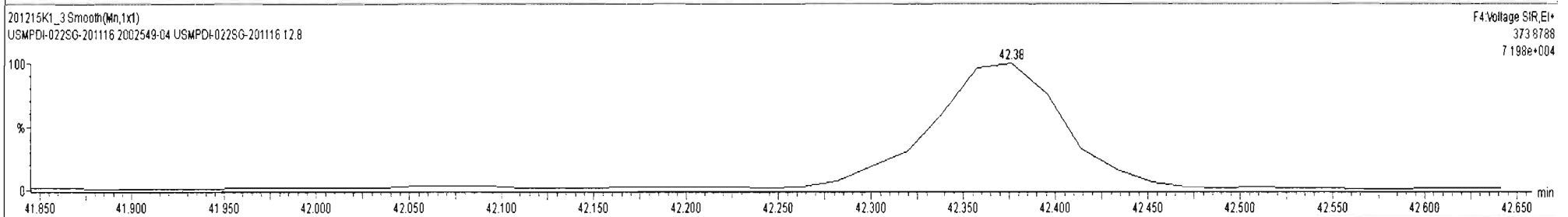
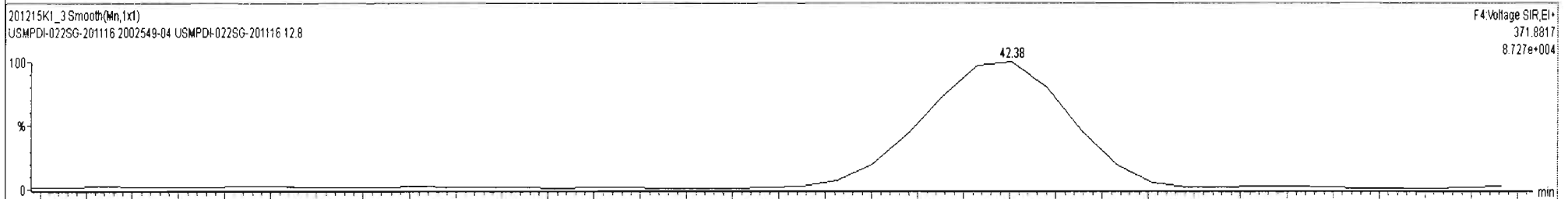
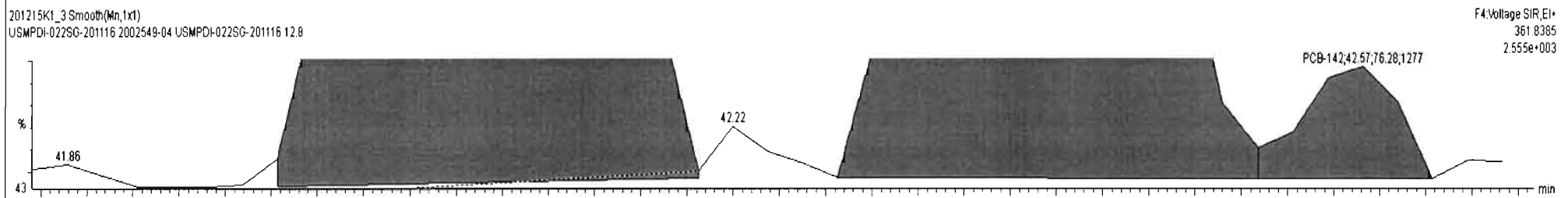
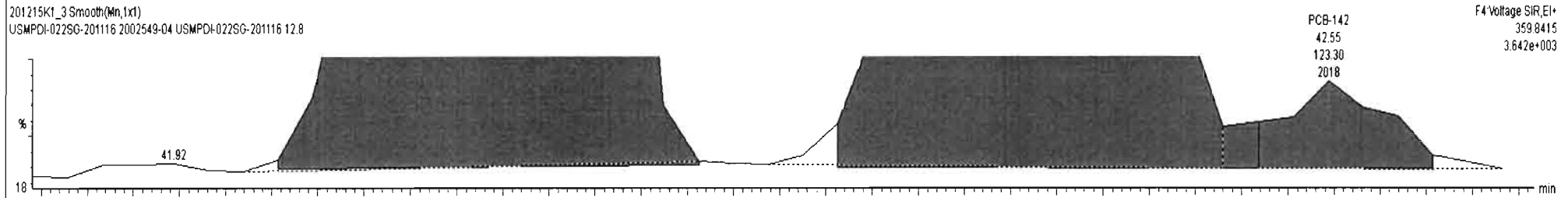




201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RR1	RR1 Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8		2.76	203.8
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1077		1.60	1082
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

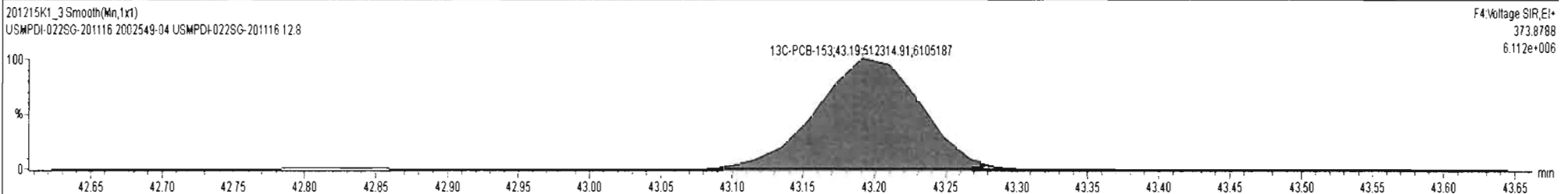
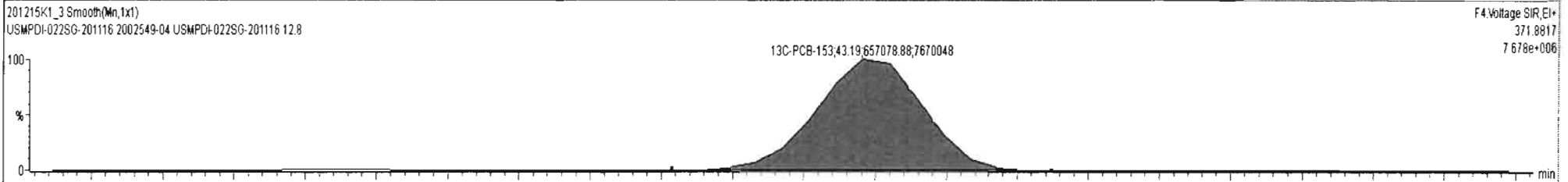
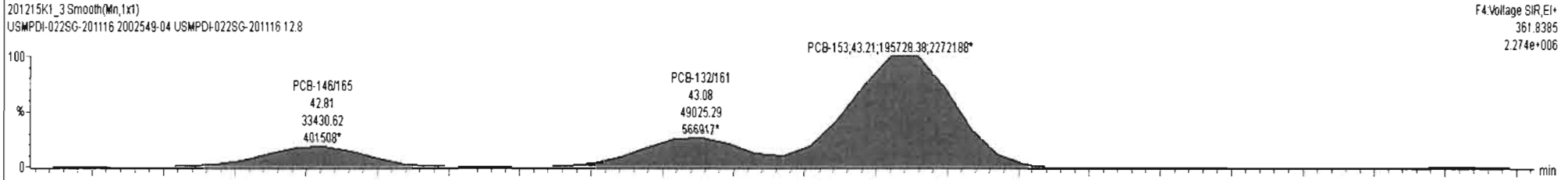
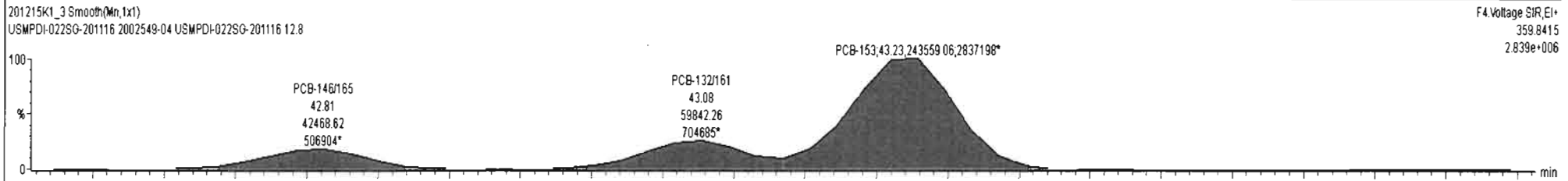
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.07	42.08	8.306e3	7.061e3	1.240	1.18	NO	36.066	36.066
2	112 PCB-131/133	42.40	42.40	5.905e3	4.723e3	1.240	1.25	NO	23.319	23.319
3	113 PCB-142	42.55	42.55	1.233e2	7.628e1	1.240	1.62	YES	0.41884	0.00000



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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8		2.76	203.8
231	3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1077		1.60	1082
232	4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2435		9.89	2438

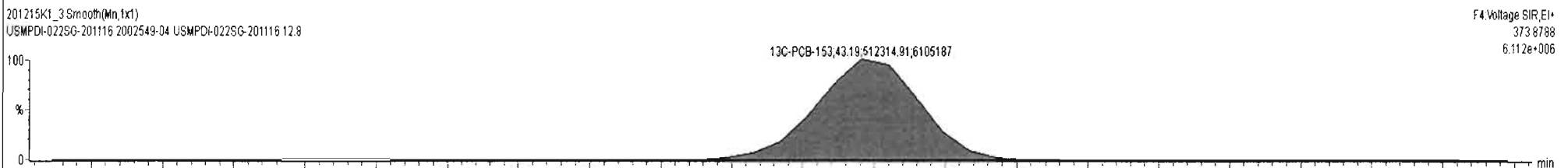
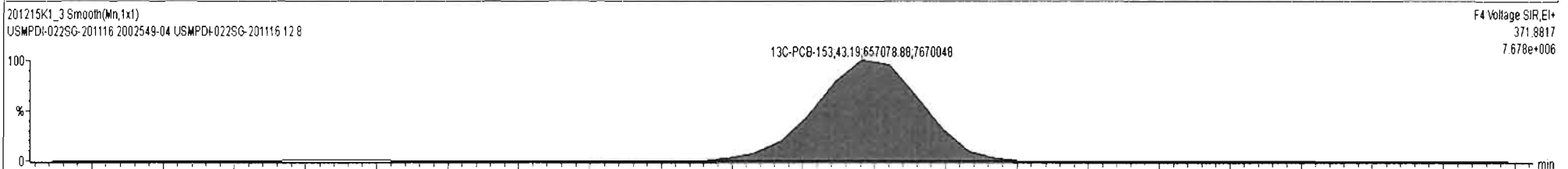
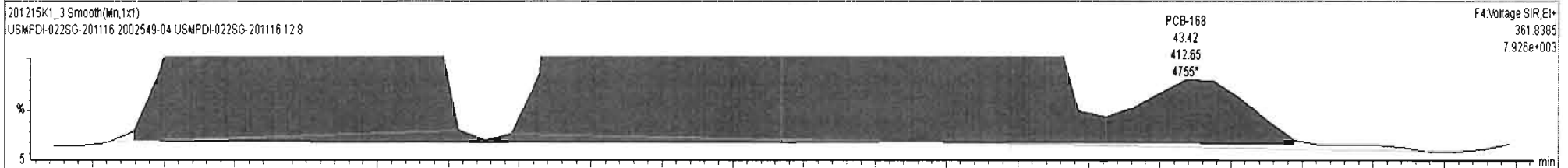
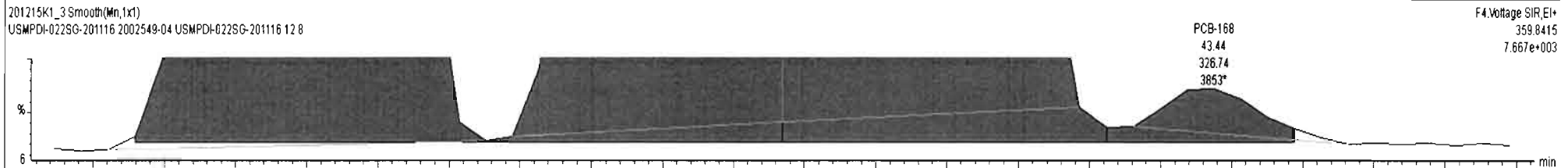
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
7	117 PCB-168	43.44	43.44	2.397e2	4.859e2	1.240	0.49	YES	0.70459	0.00000
8	118 PCB-141	43.99	43.99	3.628e4	2.924e4	1.240	1.24	NO	140.59	140.59
9	119 PCB-137	44.36	44.37	7.392e3	5.644e3	1.240	1.31	NO	27.530	27.530
10	120 PCB-130	44.48	44.48	1.114e4	8.997e3	1.240	1.24	NO	50.200	50.200
11	121 PCB-138/163/164	44.88	44.86	2.566e5	2.083e5	1.240	1.23	NO	764.52	764.52
12	122 PCB-158/160	45.12	45.10	2.462e4	2.006e4	1.240	1.23	NO	74.519	74.519



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#	Name	Resp	RA	n/y	RF	w/Vol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00	0.000			NO	3288		6.91	3293
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00	0.000			NO	203.8		2.76	203.8
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00	0.000			NO	1077		1.60	1082
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00	0.000			NO	2435		9.89	2438

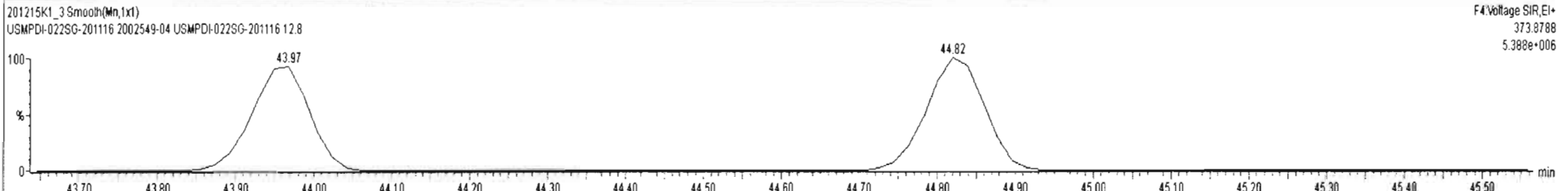
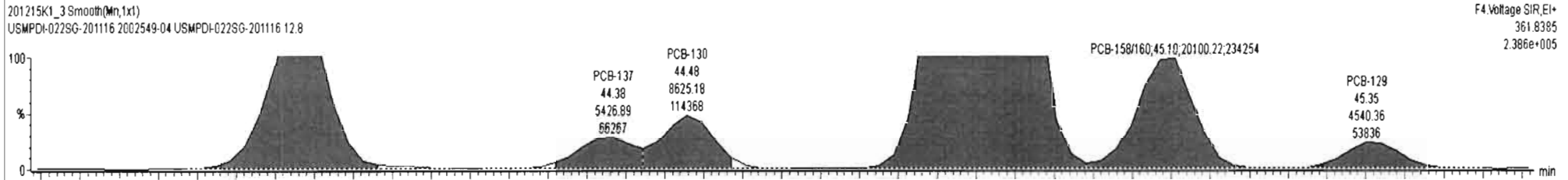
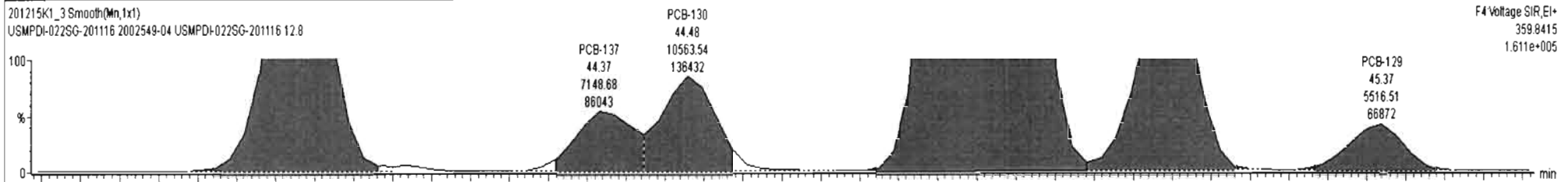
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
7	117 PCB-168	43.44	43.44	2.397e2	4.859e2	1.240	0.49	YES	0.70459	0.00000
8	118 PCB-141	43.99	43.99	3.626e4	2.924e4	1.240	1.24	NO	140.59	140.59
9	119 PCB-137	44.36	44.37	7.392e3	5.644e3	1.240	1.31	NO	27.530	27.530
10	120 PCB-130	44.48	44.48	1.114e4	8.997e3	1.240	1.24	NO	50.200	50.200
11	121 PCB-138/163/164	44.88	44.88	2.566e5	2.083e5	1.240	1.23	NO	764.52	764.52
12	122 PCB-158/160	45.12	45.10	2.462e4	2.006e4	1.240	1.23	NO	74.519	74.519
13	123 PCB-129	45.37	45.37	5.576e3	4.611e3	1.240	1.21	NO	23.967	23.967
14	124 PCB-166	45.85	45.82	8.792e2	5.981e2	1.240	1.47	YES	2.0661	0.00000



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#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8		2.76	203.8
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1077		1.60	1082
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2431		9.89	2435

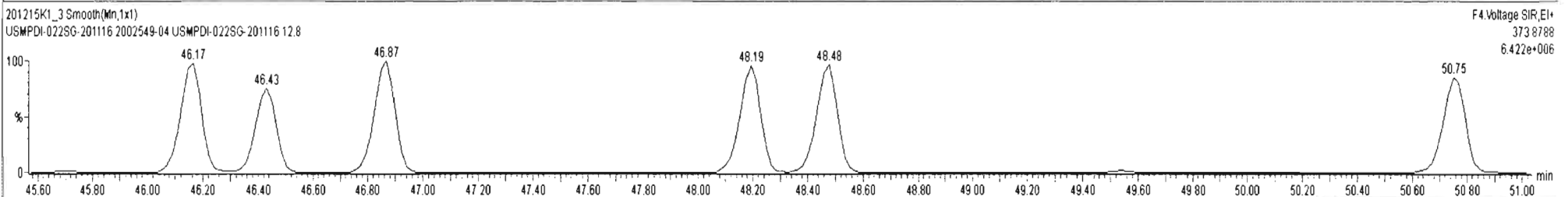
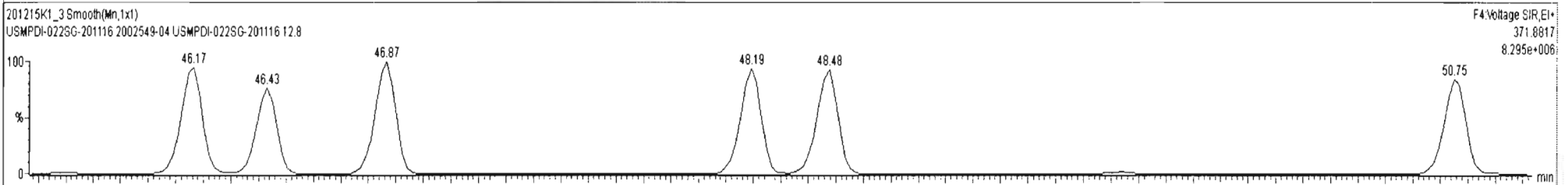
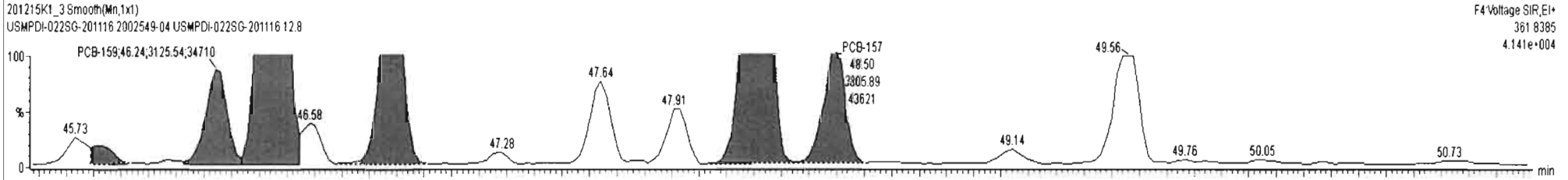
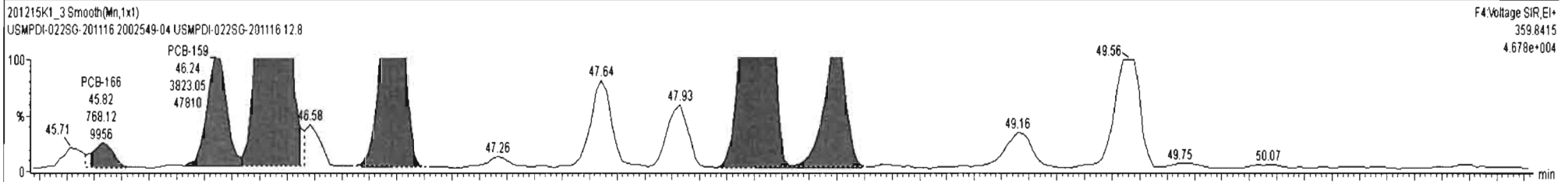
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
8	118 PCB-141	43.99	43.99	3.611e4	2.887e4	1.240	1.25	NO	139.43	139.43
9	119 PCB-137	44.36	44.37	7.149e3	5.427e3	1.240	1.32	NO	26.558	26.558
10	120 PCB-130	44.48	44.48	1.056e4	8.625e3	1.240	1.22	NO	47.825	47.825
11	121 PCB-138/163/164	44.88	44.86	2.586e5	2.084e5	1.240	1.23	NO	764.75	764.75
12	122 PCB-158/160	45.12	45.10	2.460e4	2.010e4	1.240	1.22	NO	74.548	74.548
13	123 PCB-129	45.37	45.37	5.517e3	4.540e3	1.240	1.21	NO	23.660	23.660



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#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
229	229 3rd Function Penta-PCBs				1.1133	5.077	0.00		0.000		NO	3288		6.91	3293
230	230 4th Function Penta-PCBs				1.0512	5.077	0.00		0.000		NO	203.8		2.76	203.8
231	231 3rd Function Hexa-PCBs				0.7910	5.077	0.00		0.000		NO	1077		1.60	1082
232	232 4th Function Hexa-PCBs				0.9455	5.077	0.00		0.000		NO	2433		9.99	2434

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
14	124 PCB-166	45.85	45.82	7.681e2	6.100e2	1.240	1.26	NO	2.1252	2.1252
15	125 PCB-159	46.18	46.24	3.823e3	3.126e3	1.240	1.22	NO	10.079	10.079
16	126 PCB-128/152	46.47	46.45	2.965e4	2.409e4	1.240	1.23	NO	102.21	102.21
17	127 PCB-167	46.88	46.89	9.415e3	7.313e3	1.240	1.29	NO	27.147	27.147
18	128 PCB-156	48.21	48.21	2.399e4	1.911e4	1.240	1.25	NO	66.040	66.040
19	129 PCB-157	48.50	48.50	4.803e3	3.806e3	1.240	1.26	NO	14.627	14.627

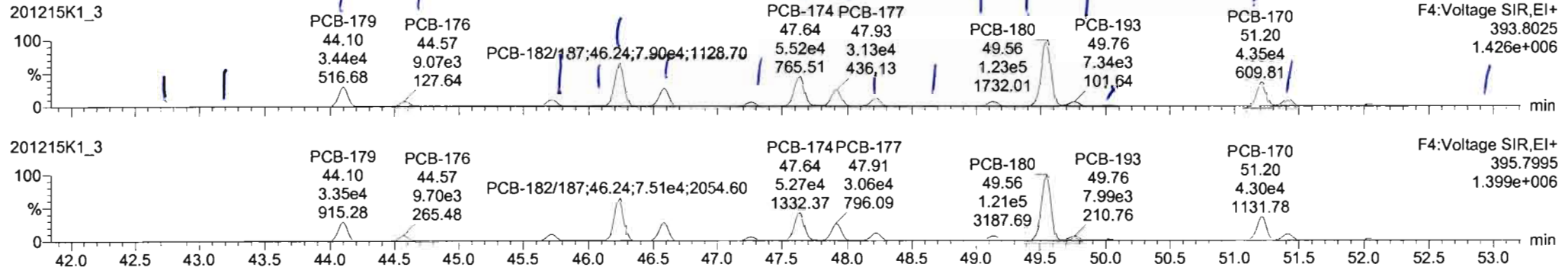


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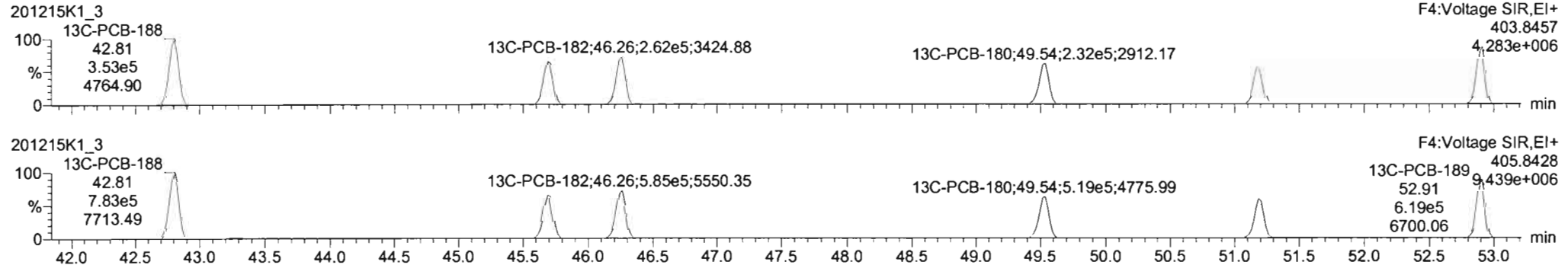
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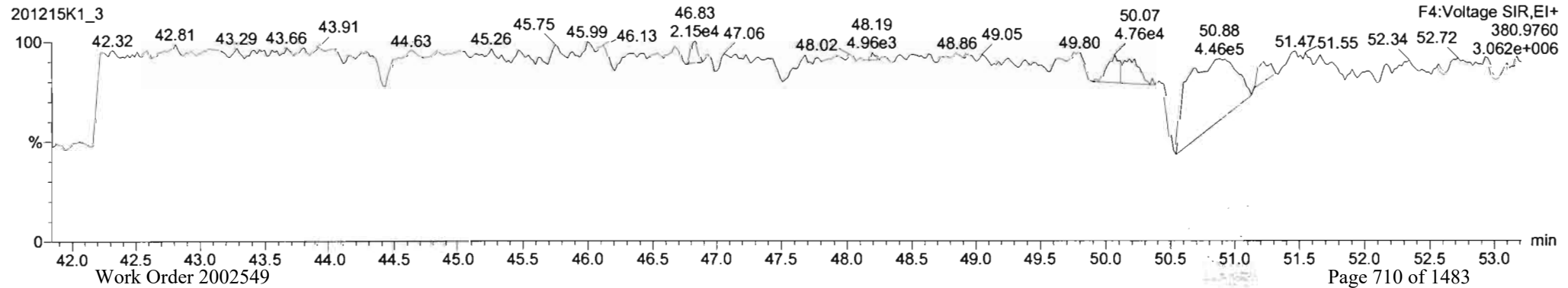
**PCB-188**



**13C-PCB-188**



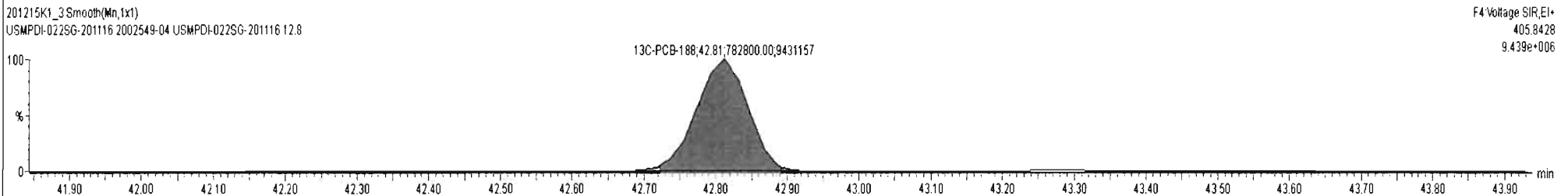
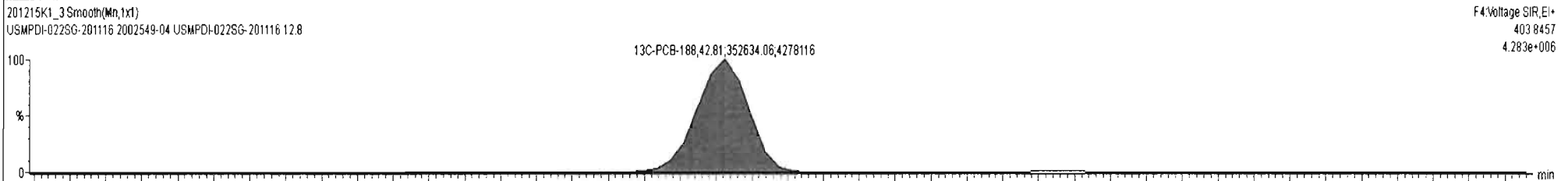
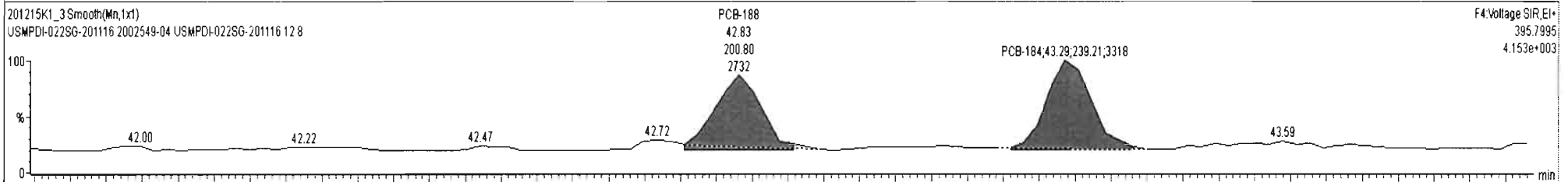
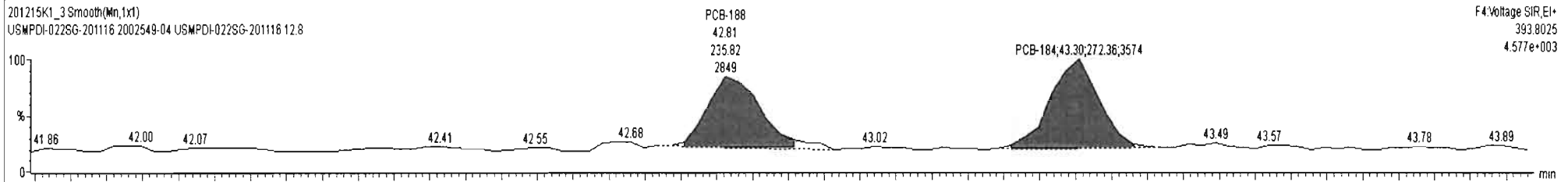
**PFK4c**



201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.077	0.00		0.000		NO	1868		9.44	1892
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.5		1.33	313.0
235	235 5th Function Octa-PCBs				1.0957	5.077	0.00		0.000		NO	144.3		1.42	148.8
236	236 Total Nona-PCBs				0.8671	5.077	0.00		0.000		NO	311.2		3.50	311.2

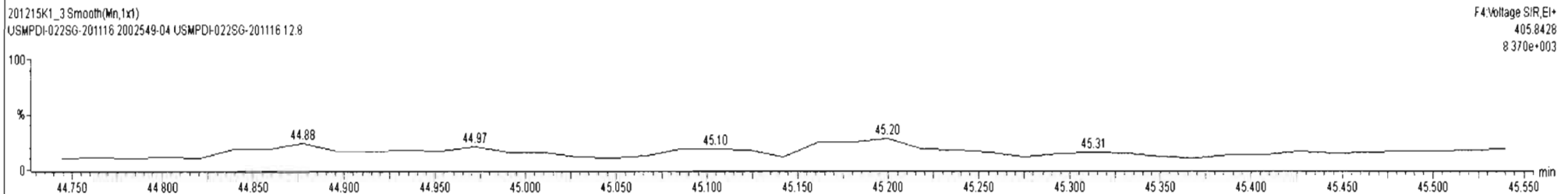
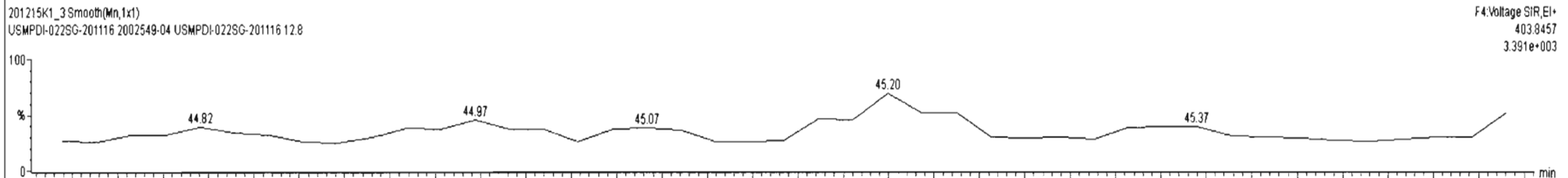
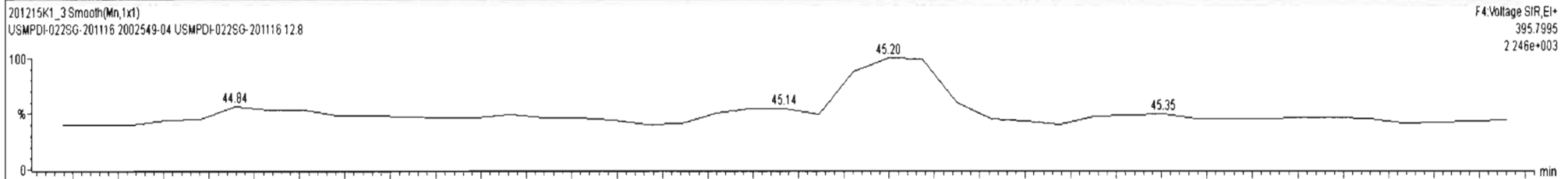
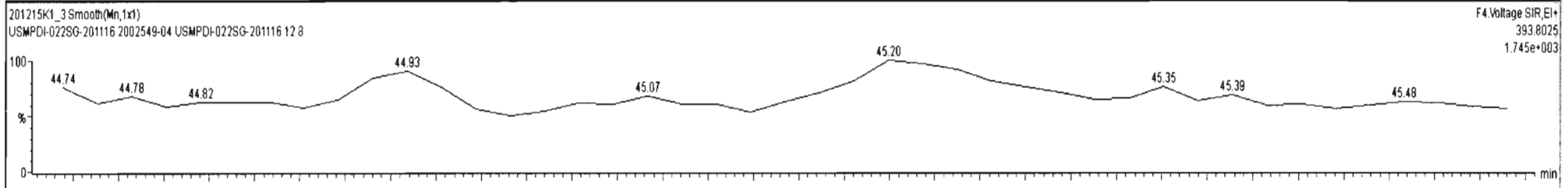
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	131 PCB-188	42.85	42.81	2.358e2	2.008e2	1.050	1.17	NO	0.65874	0.65874
2	132 PCB-184	43.30	43.30	2.724e2	2.392e2	1.050	1.14	NO	0.77855	0.77855
3	133 PCB-179	44.10	44.10	3.441e4	3.351e4	1.050	1.03	NO	109.64	109.64
4	134 PCB-176	44.57	44.57	9.070e3	9.698e3	1.050	0.94	NO	29.255	29.255
5	136 PCB-178	45.73	45.71	1.220e4	1.130e4	1.050	1.08	NO	49.089	49.089
6	137 PCB-175	46.07	46.07	2.291e3	2.193e3	1.050	1.04	NO	9.1195	9.1195



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#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.077	0.00		0.000		NO	1886		9.44	1892
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.5		1.33	313.0
235	235 5th Function Octa-PCBs				1.0957	5.077	0.00		0.000		NO	144.3		1.42	148.8
236	236 Total Nona-PCBs				0.8871	5.077	0.00		0.000		NO	311.2		3.50	311.2

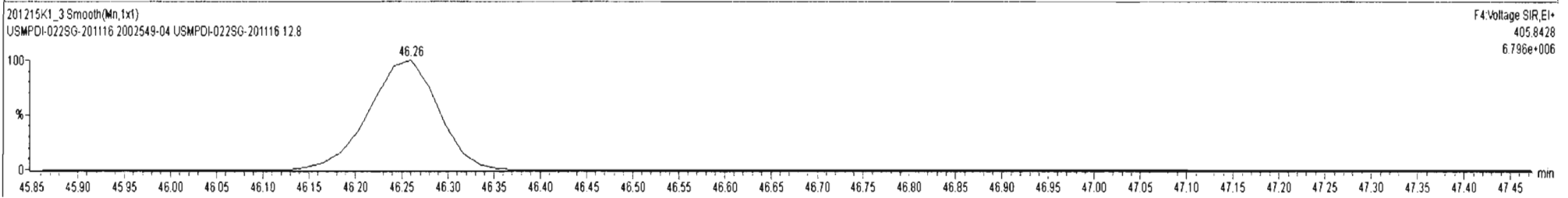
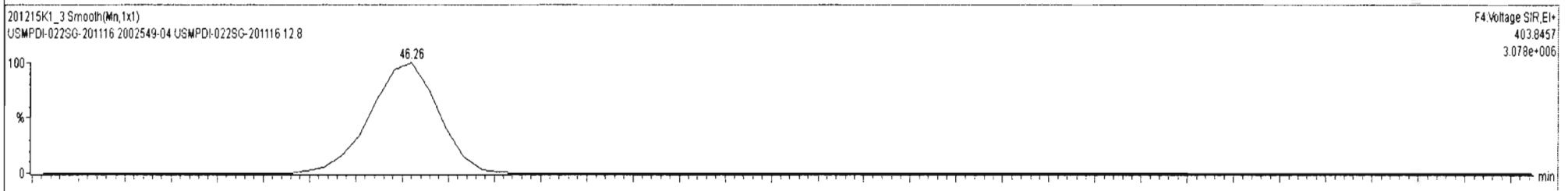
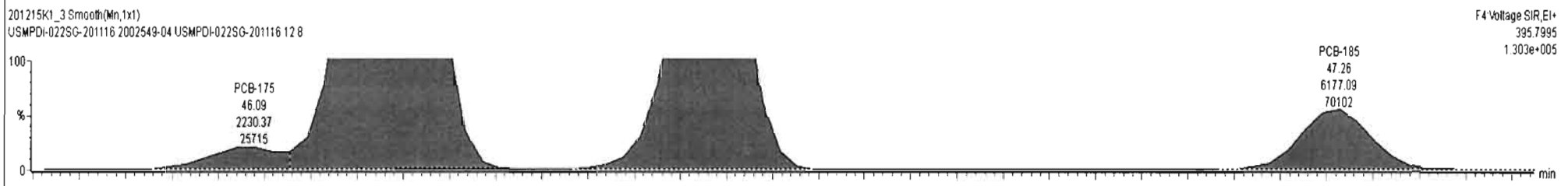
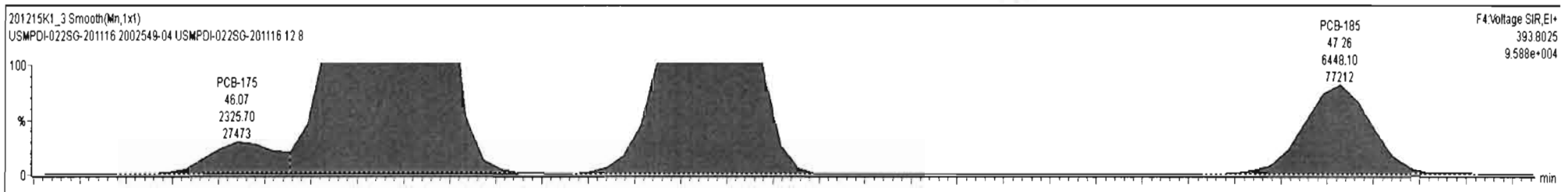
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	131 PCB-188	42.85	42.81	2.358e2	2.008e2	1.050	1.17	NO	0.65874	0.65874
2	132 PCB-184	43.30	43.30	2.724e2	2.392e2	1.050	1.14	NO	0.77855	0.77855
3	133 PCB-179	44.10	44.10	3.441e4	3.351e4	1.050	1.03	NO	109.64	109.64
4	134 PCB-176	44.57	44.57	9.070e3	9.698e3	1.050	0.94	NO	29.255	29.255
5	136 PCB-178	45.73	45.71	1.220e4	1.130e4	1.050	1.08	NO	49.089	49.089
6	137 PCB-175	46.07	46.07	2.291e3	2.193e3	1.050	1.04	NO	9.1195	9.1195





#	Name	Resp	RA	n/y	RF	wt/Vol	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.077	0.00		0.000		NO	1869		9.44	1833
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.5		1.33	313.0
235	235 5th Function Octa-PCBs				1.0957	5.077	0.00		0.000		NO	144.3		1.42	148.8
236	236 Total Nona-PCBs				0.8871	5.077	0.00		0.000		NO	311.2		3.50	311.2

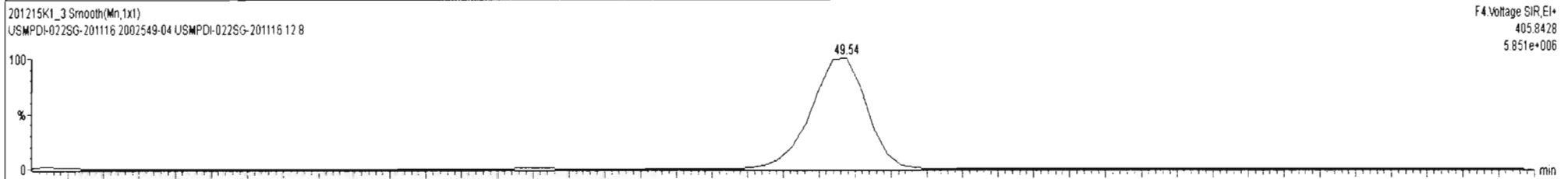
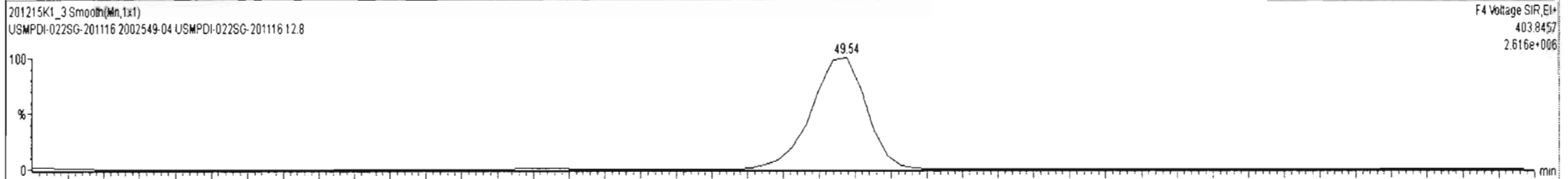
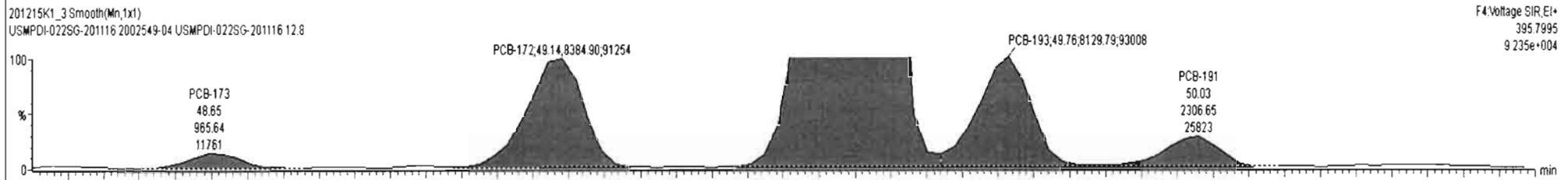
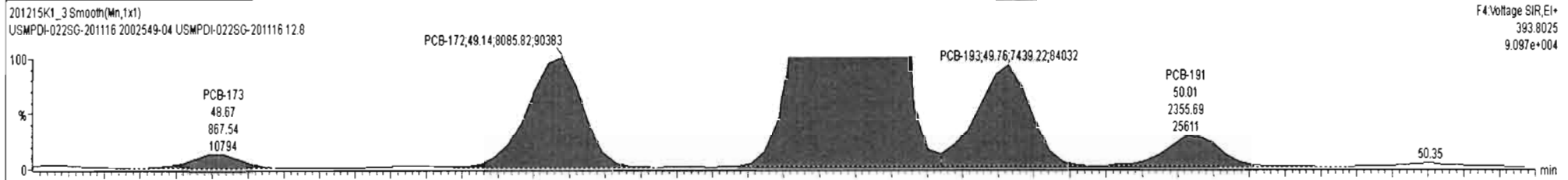
#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
5	136 PCB-178	45.73	45.71	1.220e4	1.130e4	1.050	1.08	NO	49.089	49.089
6	137 PCB-175	46.07	46.07	2.325e3	2.230e3	1.050	1.04	NO	9.2669	9.2669
7	138 PCB-182/187	46.26	46.24	7.912e4	7.529e4	1.050	1.05	NO	284.40	284.40
8	139 PCB-183	46.58	46.58	3.281e4	3.245e4	1.050	1.01	NO	124.40	124.40
9	140 PCB-185	47.28	47.26	6.448e3	6.177e3	1.050	1.04	NO	26.764	26.764
10	141 PCB-174	47.66	47.64	5.518e4	5.266e4	1.050	1.05	NO	236.26	236.26

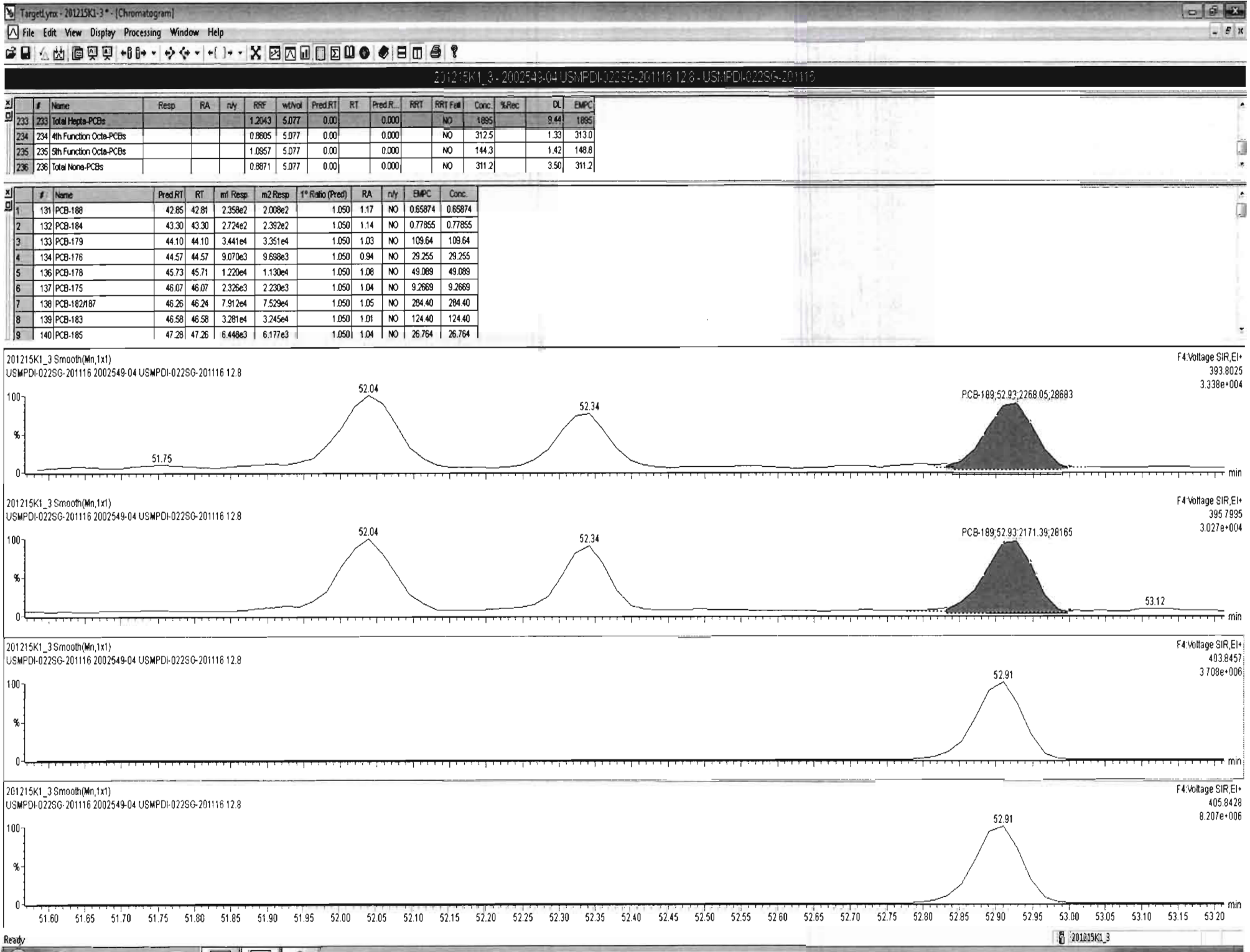


201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R.L.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.077	0.00		0.000		NO	1895		9.44	1895
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.5		1.33	313.0
235	235 5th Function Octa-PCBs				1.0857	5.077	0.00		0.000		NO	144.3		1.42	148.8
236	236 Total Nona-PCBs				0.8871	5.077	0.00		0.000		NO	311.2		3.50	311.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
13	145 PCB-173	48.69	48.67	8.675e2	9.656e2	1.050	0.90	NO	4.5077	4.5077
14	146 PCB-172	49.14	49.14	8.086e3	8.385e3	1.050	0.96	NO	34.396	34.396
15	148 PCB-180	49.56	49.56	1.234e5	1.210e5	1.050	1.02	NO	493.03	493.03
16	149 PCB-193	49.76	49.76	7.439e3	8.130e3	1.050	0.92	NO	27.776	27.776
17	150 PCB-191	50.03	50.01	2.356e3	2.307e3	1.050	1.02	NO	8.1278	8.1278
18	151 PCB-170	51.21	51.21	4.351e4	4.304e4	1.050	1.01	NO	202.47	202.47



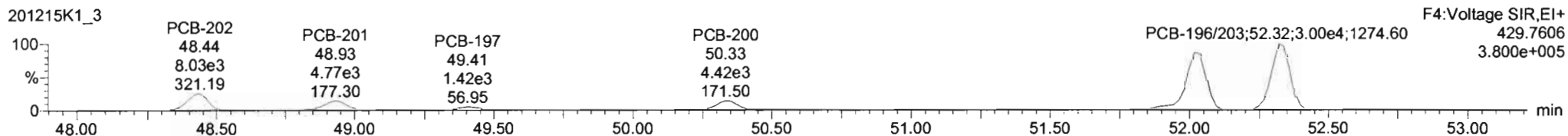
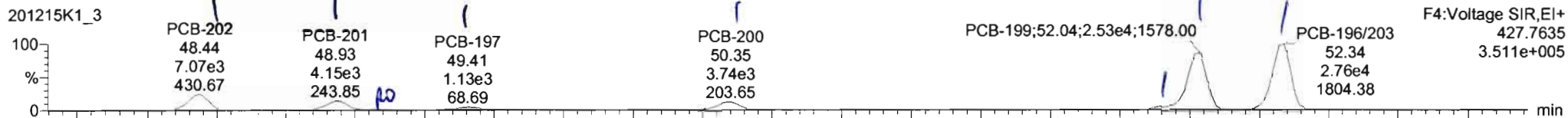


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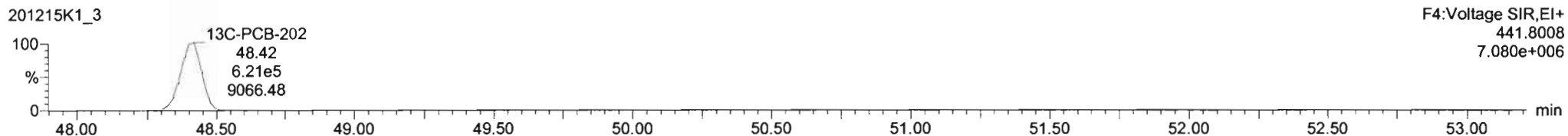
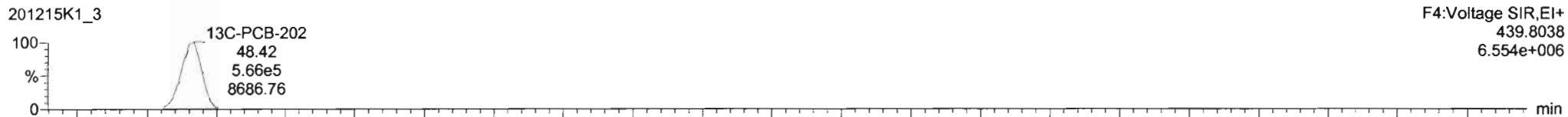
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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

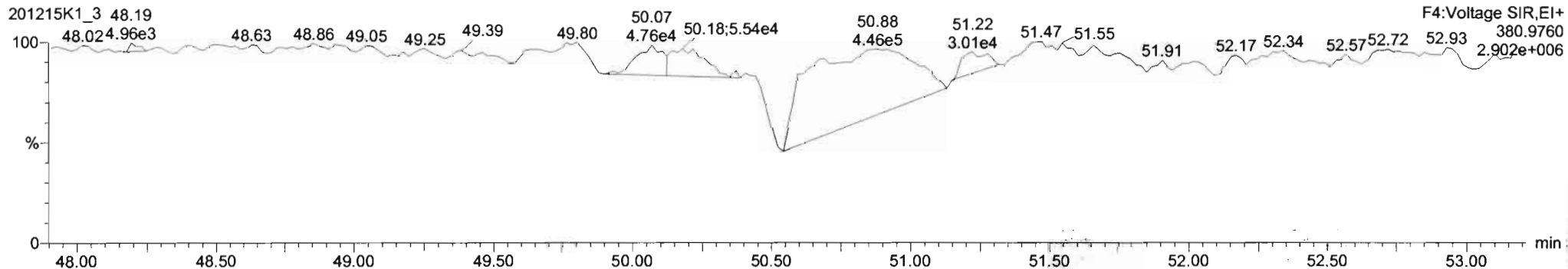
**PCB-202**



**13C-PCB-202**



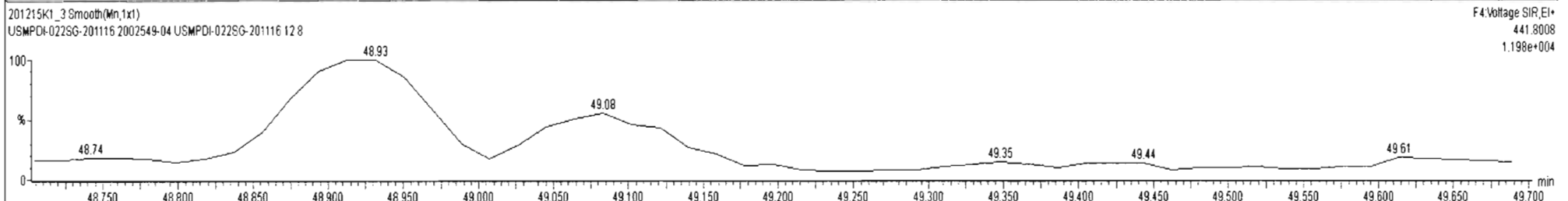
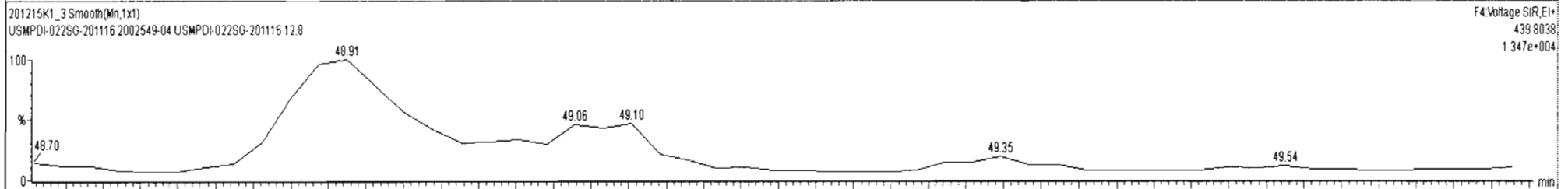
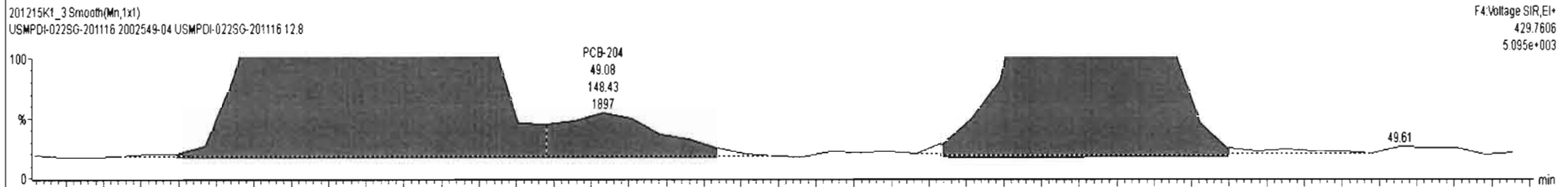
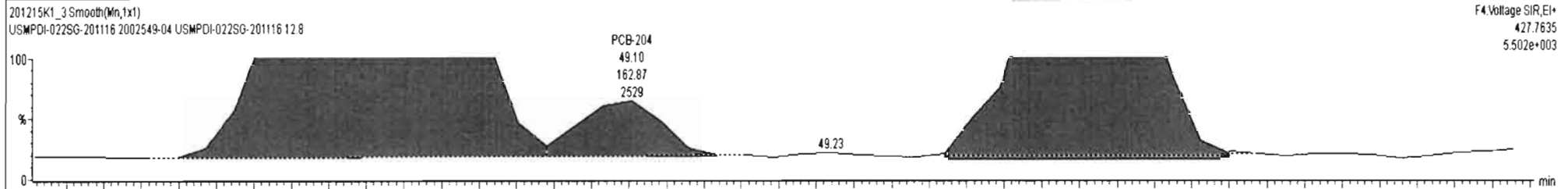
**PFK4d**



201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.077	0.00		0.000		NO	1895		9.44	1895
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.6		1.33	313.1
235	235 5th Function Octa-PCBs				1.0957	5.077	0.00		0.000		NO	144.3		1.42	148.8
236	236 Total Nona-PCBs				0.8871	5.077	0.00		0.000		NO	311.2		3.50	311.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.46	48.44	7.075e3	8.034e3	0.890	0.88	NO	25.207	25.207
2	155 PCB-201	48.93	48.93	4.148e3	4.778e3	0.890	0.87	NO	16.390	16.390
3	156 PCB-204	49.08	49.10	1.629e2	1.484e2	0.890	1.10	YES	0.48755	0.00000
4	157 PCB-197	49.40	49.41	1.162e3	1.416e3	0.890	0.82	NO	4.4390	4.4390

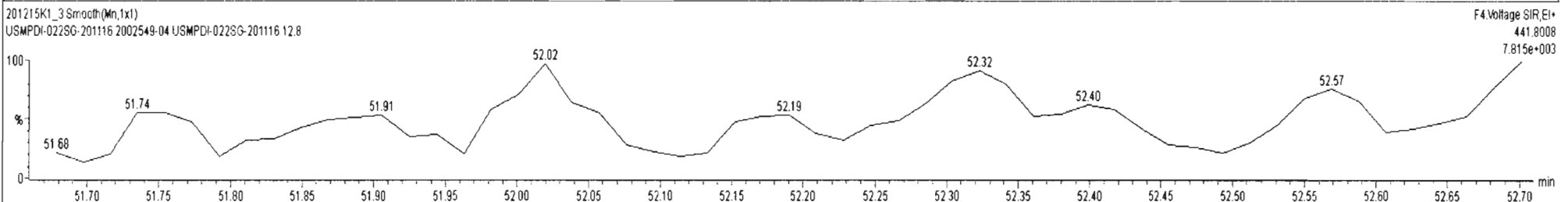
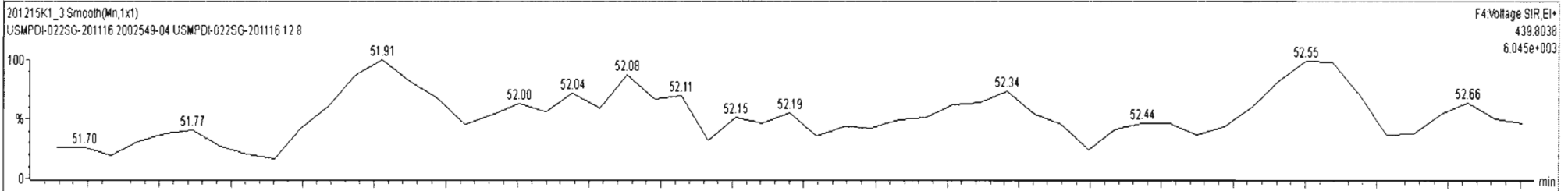
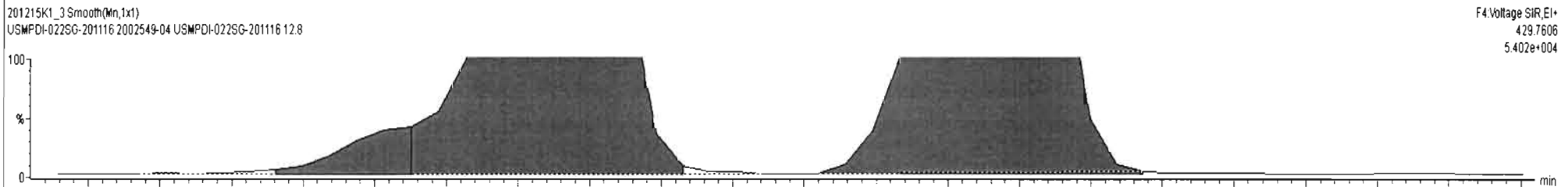
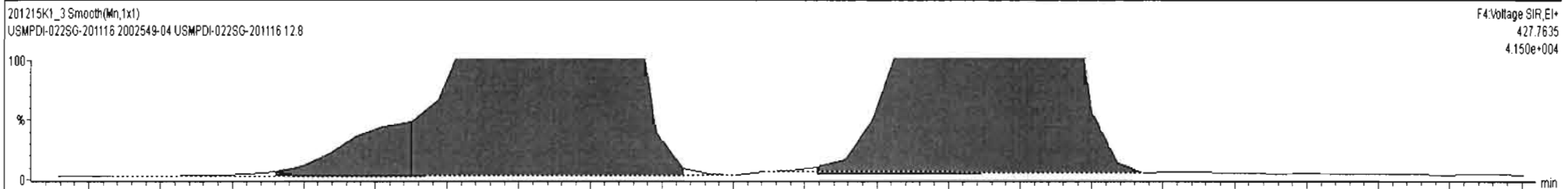


Ready

201215K1\_3 - 2002549-04 USMPDI-0225G-201116 12.8 - USMPDI-0225G-201116

#	Name	Resp	RA	n/y	RRF	wt/Vol	Pred.RT	RT	Pred.R...	IRRT	RRT Fail	Conc.	%Rec	DL	EMPC
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.4		1.33	312.9
235	235 5th Function Octa-PCBs				1.0957	5.077	0.00		0.000		NO	144.3		1.42	148.7
236	236 Total Nona-PCBs				0.8871	5.077	0.00		0.000		NO	311.2		3.50	311.2
237	237 Deca-CB				0.8627	5.077	0.00		0.000		NO	3352		0.219	3352

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
5	158 PCB-200	50.33	50.35	3.736e3	4.416e3	0.890	0.85	NO	14.847	14.847
6	159 PCB-198	51.89	51.92	9.784e2	1.102e3	0.890	0.89	NO	4.9619	4.9619
7	160 PCB-199	52.02	52.04	2.432e4	2.655e4	0.890	0.92	NO	119.56	119.56
8	161 PCB-196/203	52.32	52.34	2.767e4	3.008e4	0.890	0.92	NO	127.01	127.01



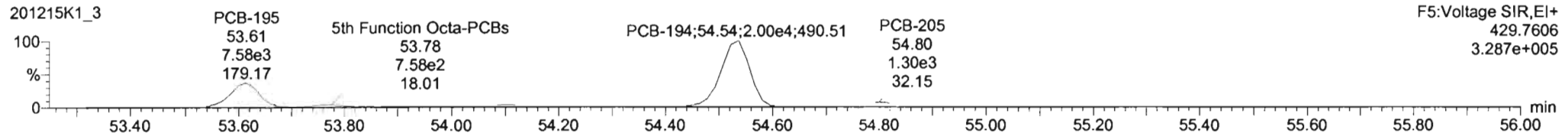
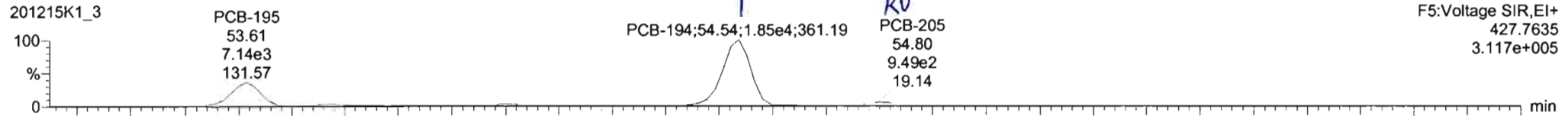
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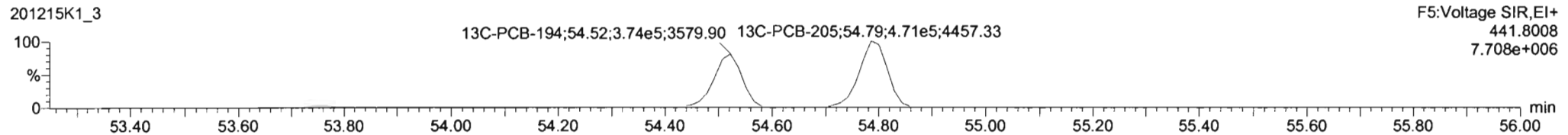
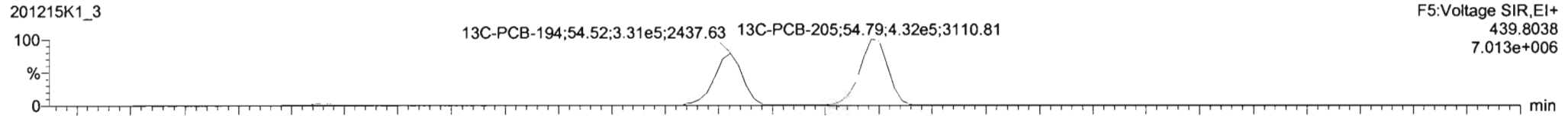
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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

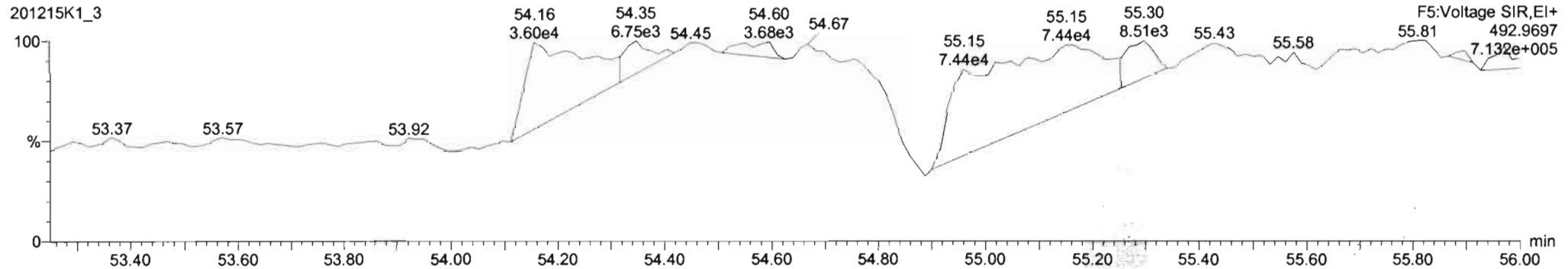
**PCB-195**



**13C-PCB-194**



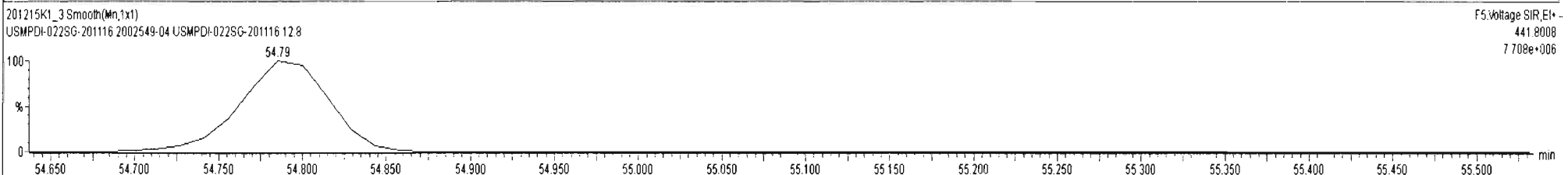
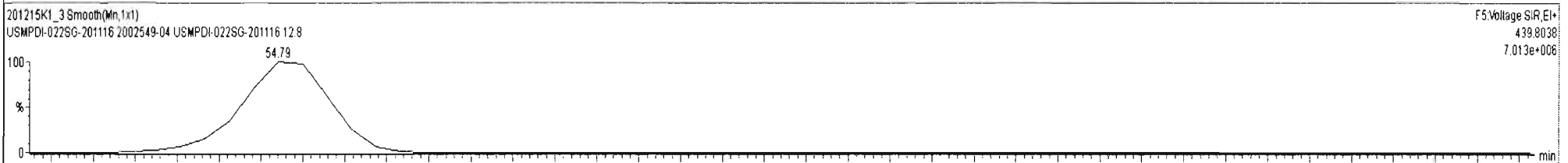
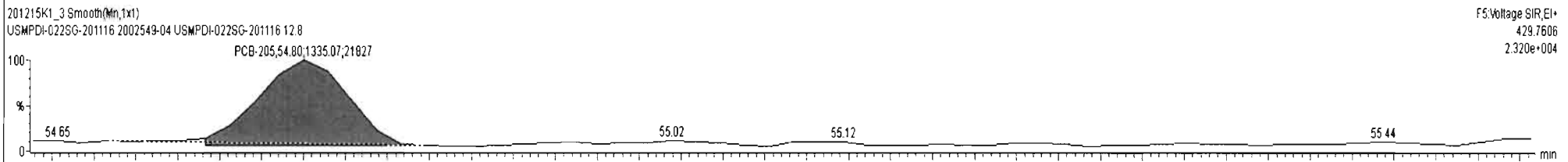
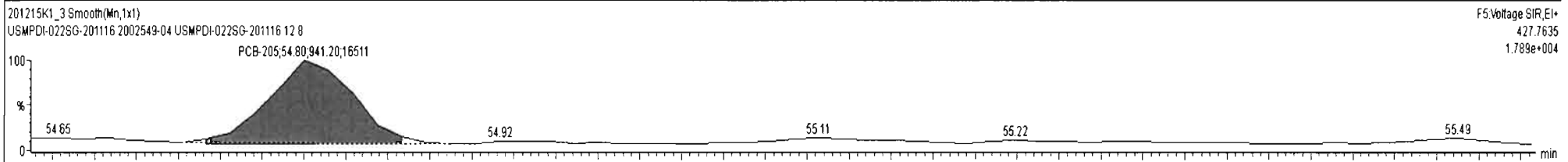
**PFK5a**



201215K1\_3 - 2002549-04 USMPDI-022SG-201116 12.8 - USMPDI-022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
233	233 Total Hepta-PCBs				1.2043	5.077	0.00		0.000		NO	1895		9.44	1895
234	234 4th Function Octa-PCBs				0.8605	5.077	0.00		0.000		NO	312.3		1.33	312.7
235	235 5th Function Octa-PCBs				1.0357	5.077	0.00		0.000		NO	144.3		1.42	148.7
236	236 Total Nona-PCBs				0.8871	5.077	0.00		0.000		NO	311.2		3.50	311.2

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	162 PCB-195	53.62	53.62	7.135e3	7.581e3	0.890	0.94	NO	42.991	42.991
2	163 PCB-194	54.54	54.54	1.845e4	1.939e4	0.890	0.92	NO	101.34	101.34
3	164 PCB-205	54.81	54.81	9.412e2	1.335e3	0.890	0.70	YES	4.4043	0.00000





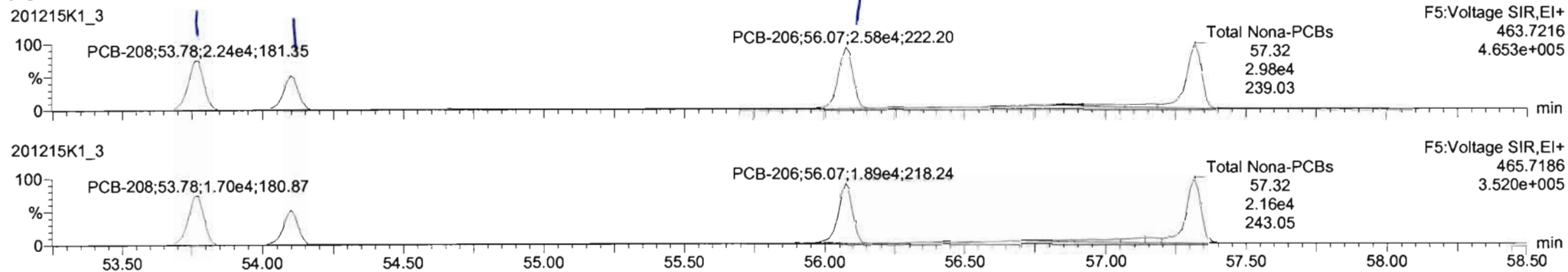
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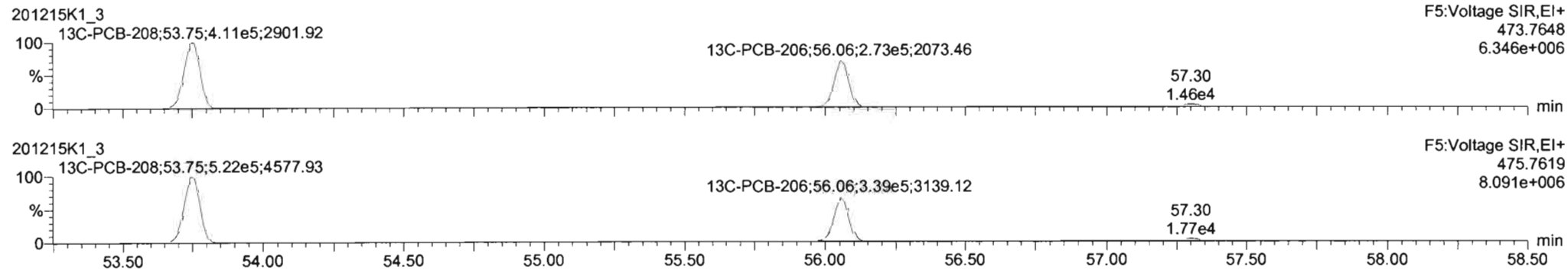
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Name: 201215K1\_3, Date: 15-Dec-2020, Time: 18:19:04, ID: 2002549-04 USMPDI-022SG-201116 12.8, Description: USMPDI-022SG-201116

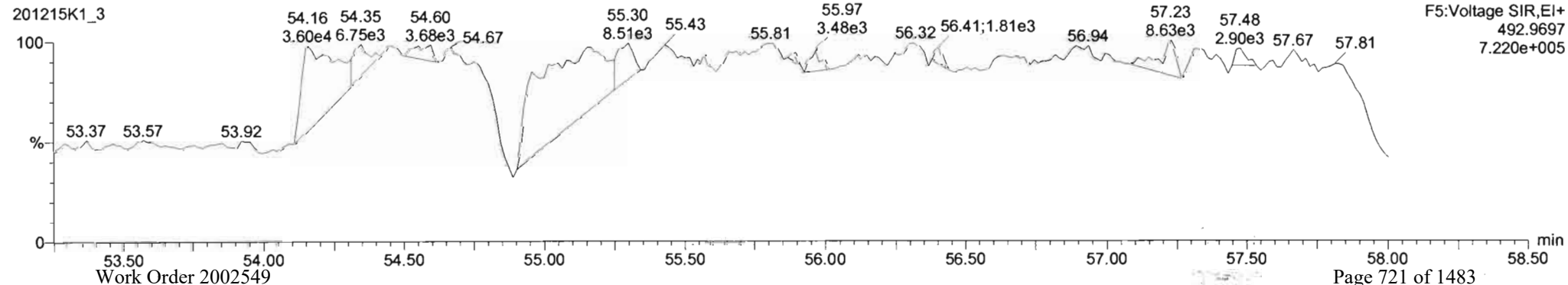
**PCB-208**



**13C-PCB-208**



**PFK5**



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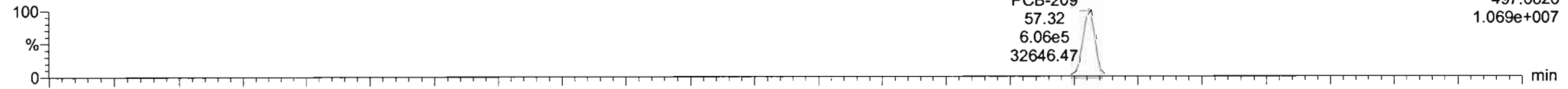
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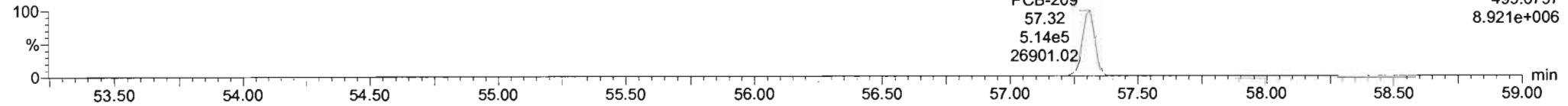
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**PCB-209**

201215K1\_3

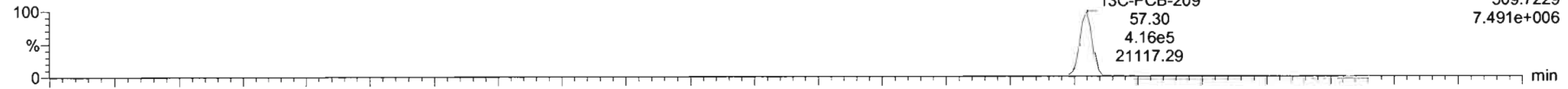


201215K1\_3

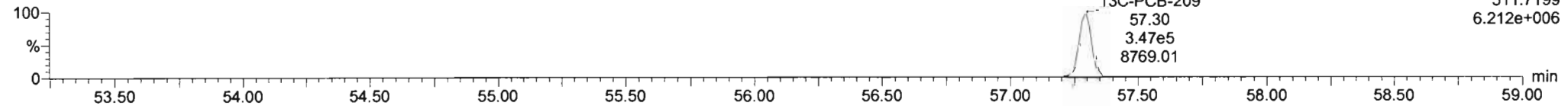


**13C-PCB-209**

201215K1\_3

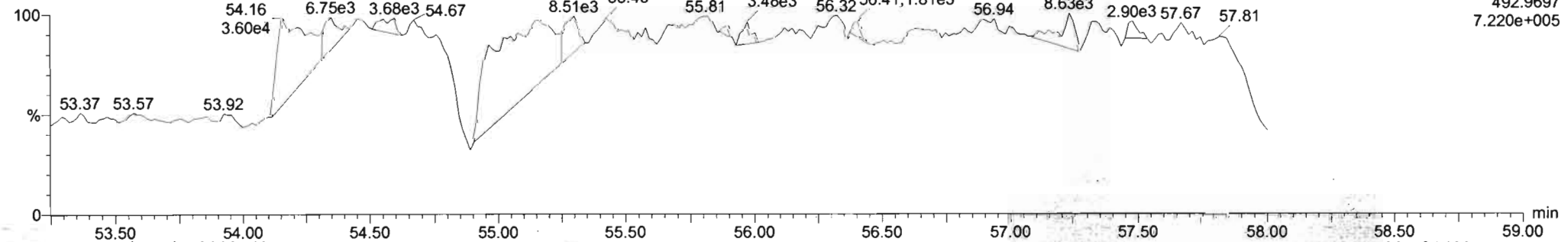


201215K1\_3



**PFK5b**

201215K1\_3



Dataset: U:\VG11.PRO\Results\201215K1\201215K1-4.qld

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*DF 12/17/20*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

*MW  
12/27/20*

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	3.99e3	2.93	NO	0.986	5.025	15.42	15.43	1.001	1.001	NO	4.742		0.212	4.742
2	2 PCB-2	9.49e3	2.89	NO	1.02	5.025	17.82	17.82	0.988	0.988	NO	11.36		0.222	11.36
3	3 PCB-3	4.98e3	3.12	NO	1.00	5.025	18.04	18.06	1.001	1.001	NO	6.077		0.226	6.077
4	4 PCB-4/10	1.04e4	1.49	NO	1.21	5.025	19.46	19.41	1.004	1.002	NO	19.23		1.09	19.23
5	5 PCB-7/9			NO	0.939	5.025	21.25		1.003		YES			0.897	
6	6 PCB-6	7.64e3	1.23	YES	0.996	5.025	21.89	21.90	1.033	1.034	NO	10.28		0.845	9.313
7	7 PCB-5/8	2.74e4	1.54	NO	0.976	5.025	22.30	22.30	1.052	1.052	NO	37.66		0.863	37.66
8	8 PCB-14			NO	1.02	5.025	23.45		0.951		YES			0.868	
9	9 PCB-11	1.26e5	1.58	NO	1.12	5.025	24.67	24.67	1.001	1.001	NO	158.5		0.796	158.5
10	10 PCB-12/13			NO	1.02	5.025	25.10		1.018		YES			0.872	
11	11 PCB-15	2.92e4	1.53	NO	1.02	5.025	25.38	25.38	1.030	1.030	NO	40.49		0.874	40.49
12	12 PCB-19	9.84e3	1.04	NO	0.972	5.025	23.64	23.63	1.001	1.001	NO	22.71		0.443	22.71
13	13 PCB-30			NO	1.54	5.025	24.55		1.040		YES			0.280	
14	14 PCB-18	3.44e4	1.01	NO	0.719	5.025	25.31	25.30	0.952	0.951	NO	76.17		0.413	76.17
15	15 PCB-17	1.80e4	1.02	NO	0.672	5.025	25.48	25.48	0.958	0.958	NO	42.64		0.442	42.64
16	16 PCB-24/27	4.76e3	0.97	NO	0.932	5.025	26.06	26.05	0.980	0.980	NO	8.121		0.318	8.121
17	17 PCB-16/32	2.68e4	1.05	NO	0.824	5.025	26.61	26.60	1.001	1.000	NO	51.82		0.360	51.82
18	18 PCB-34	9.26e2	1.30	YES	0.878	5.025	27.40	27.42	0.958	0.959	NO	1.599		0.482	1.418
19	19 PCB-23			NO	0.892	5.025	27.50		0.962		YES			0.475	
20	20 PCB-29			NO	0.861	5.025	27.76		0.971		YES			0.492	
21	21 PCB-26	1.97e4	1.07	NO	0.915	5.025	27.99	27.98	0.979	0.979	NO	32.58		0.463	32.58
22	22 PCB-25	1.17e4	1.15	NO	0.915	5.025	28.14	28.15	0.984	0.984	NO	19.45		0.463	19.45
23	23 PCB-31	8.48e4	1.04	NO	1.03	5.025	28.51	28.52	0.997	0.997	NO	124.7		0.411	124.7
24	24 PCB-28	1.10e5	1.09	NO	1.01	5.025	28.61	28.61	1.001	1.001	NO	164.2		0.417	164.2
25	25 PCB-20/21/33	4.62e4	1.01	NO	0.913	5.025	29.25	29.28	1.023	1.024	NO	76.71		0.464	76.71
26	26 PCB-22	2.84e4	1.00	NO	0.948	5.025	29.69	29.71	1.038	1.039	NO	45.33		0.447	45.33
27	27 PCB-36	9.03e2	1.26	YES	1.07	5.025	30.36	30.32	0.932	0.930	NO	1.311		0.408	1.183
28	28 PCB-39			NO	1.00	5.025	30.84		0.946		YES			0.435	
29	29 PCB-38	2.25e3	0.83	YES	1.05	5.025	31.63	31.65	0.970	0.971	NO	3.316		0.415	2.953
30	30 PCB-35	2.60e3	1.19	NO	1.05	5.025	32.17	32.18	0.987	0.987	NO	3.849		0.417	3.849
31	31 PCB-37	3.93e4	1.03	NO	1.03	5.025	32.61	32.61	1.001	1.001	NO	59.26		0.424	59.26

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Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	3.17e3	0.61	YES	0.974	5.025	27.46	27.46	1.001	1.001	NO	6.463		0.320	5.616
33	33 PCB-50	7.98e2	0.92	YES	0.803	5.025	28.66	28.65	1.044	1.044	NO	1.974		0.388	1.816
34	34 PCB-53	1.64e4	0.73	NO	0.939	5.025	29.32	29.34	0.943	0.944	NO	40.72		0.396	40.72
35	35 PCB-51	1.21e4	0.75	NO	1.00	5.025	29.68	29.67	0.955	0.955	NO	28.21		0.372	28.21
36	36 PCB-45	8.77e3	0.82	NO	0.802	5.025	30.13	30.12	0.969	0.969	NO	25.53		0.464	25.53
37	37 PCB-46	4.10e3	0.69	NO	0.770	5.025	30.63	30.62	0.985	0.985	NO	12.43		0.483	12.43
38	38 PCB-52/69	1.45e5	0.78	NO	1.08	5.025	31.12	31.11	1.001	1.001	NO	314.1		0.344	314.1
39	39 PCB-73			NO	1.31	5.025	31.24		1.005		YES			0.285	
40	40 PCB-43/49	9.14e4	0.76	NO	0.925	5.025	31.41	31.42	1.010	1.011	NO	230.9		0.402	230.9
41	41 PCB-47	5.30e4	0.79	NO	0.863	5.025	31.65	31.65	1.001	1.001	NO	134.5		0.429	134.5
42	42 PCB-48/75	1.73e4	0.74	NO	1.04	5.025	31.78	31.78	1.005	1.005	NO	36.53		0.357	36.53
43	43 PCB-65			NO	1.16	5.025	32.06		1.014		YES			0.319	
44	44 PCB-62			NO	1.04	5.025	32.15		1.016		YES			0.357	
45	45 PCB-44	7.66e4	0.73	NO	0.757	5.025	32.48	32.45	1.027	1.026	NO	221.4		0.488	221.4
46	46 PCB-42/59	3.05e4	0.79	NO	0.975	5.025	32.71	32.69	1.034	1.034	NO	68.43		0.380	68.43
47	47 PCB-41/64/71/72	9.90e4	0.73	NO	1.12	5.025	33.31	33.28	1.053	1.052	NO	194.3		0.332	194.3
48	48 PCB-68	2.33e3	0.66	NO	1.19	5.025	33.58	33.56	1.062	1.061	NO	4.293		0.311	4.293
49	49 PCB-40	9.35e3	0.85	NO	0.572	5.025	33.81	33.77	1.069	1.068	NO	35.77		0.646	35.77
50	50 PCB-57	1.01e3	0.96	YES	1.08	5.025	34.14	34.14	0.969	0.969	NO	1.619		0.263	1.465
51	51 PCB-67	4.13e3	0.84	NO	1.02	5.025	34.45	34.46	0.978	0.978	NO	6.997		0.279	6.997
52	52 PCB-58	9.90e2	0.90	YES	1.08	5.025	34.57	34.57	0.981	0.981	NO	1.577		0.262	1.472
53	53 PCB-63	6.30e3	0.96	YES	0.971	5.025	34.74	34.73	0.986	0.986	NO	11.17		0.292	10.07
54	54 PCB-74	7.39e4	0.73	NO	1.09	5.025	35.04	35.03	0.994	0.994	NO	117.0		0.261	117.0
55	55 PCB-61/70	1.86e5	0.74	NO	0.978	5.025	35.25	35.26	1.000	1.001	NO	328.3		0.290	328.3
56	56 PCB-76/66	1.55e5	0.76	NO	1.07	5.025	35.43	35.46	1.005	1.006	NO	249.6		0.265	249.6
57	57 PCB-80			NO	1.08	5.025	35.69		1.001		YES			0.253	
58	58 PCB-55	2.20e3	0.86	NO	1.06	5.025	36.02	35.98	1.010	1.009	NO	3.453		0.256	3.453
59	59 PCB-56/60	8.32e4	0.75	NO	0.946	5.025	36.53	36.52	1.024	1.024	NO	146.8		0.289	146.8
60	60 PCB-79	4.16e3	0.92	YES	1.06	5.025	37.63	37.64	1.055	1.055	NO	6.552		0.258	6.045
61	61 PCB-78	8.78e2	0.84	NO	1.01	5.025	38.35	38.29	0.987	0.985	NO	1.480		0.278	1.480
62	62 PCB-81	1.53e3	0.69	NO	0.941	5.025	38.89	38.92	1.000	1.001	NO	2.765		0.297	2.765
63	63 PCB-77	1.72e4	0.79	NO	1.03	5.025	39.50	39.50	1.000	1.000	NO	29.16		0.283	29.16
64	64 PCB-104	6.65e2	1.07	YES	0.982	5.025	32.30	32.32	1.001	1.001	NO	1.279		0.369	1.086
65	65 PCB-96	2.62e3	1.33	NO	0.982	5.025	33.59	33.58	1.041	1.040	NO	5.048		0.368	5.048

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	5.03e3	1.69	NO	0.770	5.025	34.15	34.16	1.058	1.058	NO	12.35		0.470	12.35
67	67 PCB-100	5.13e3	1.53	NO	0.805	5.025	34.52	34.53	1.070	1.070	NO	12.05		0.450	12.05
68	68 PCB-94	1.85e3	1.48	NO	0.831	5.025	34.99	35.01	0.985	0.985	NO	5.534		0.577	5.534
69	69 PCB-95/98/102	1.67e5	1.59	NO	1.07	5.025	35.49	35.55	0.999	1.001	NO	388.4		0.448	388.4
70	70 PCB-93			NO	0.761	5.025	35.63		1.003		YES			0.629	
71	71 PCB-88/91	3.23e4	1.51	NO	0.910	5.025	35.96	35.98	1.012	1.013	NO	88.04		0.527	88.04
72	72 PCB-121			NO	1.46	5.025	36.07		1.015		YES			0.327	
73	73 PCB-84/92	8.91e4	1.52	NO	0.826	5.025	36.91	36.91	0.990	0.990	NO	242.8		0.529	242.8
74	74 PCB-89	1.81e3	1.34	NO	0.885	5.025	37.09	37.10	0.995	0.995	NO	4.590		0.494	4.590
75	75 PCB-90/101	2.50e5	1.56	NO	0.905	5.025	37.30	37.30	1.000	1.000	NO	621.8		0.483	621.8
76	76 PCB-113	4.33e3	1.52	NO	1.26	5.025	37.54	37.58	1.007	1.008	NO	7.747		0.347	7.747
77	77 PCB-99	1.13e5	1.62	NO	0.993	5.025	37.64	37.64	1.010	1.009	NO	256.0		0.440	256.0
78	78 PCB-119	1.08e4	1.58	NO	1.53	5.025	38.12	38.12	0.987	0.987	NO	18.75		0.349	18.75
79	79 PCB-108/112	1.04e4	1.51	NO	1.25	5.025	38.28	38.29	0.991	0.991	NO	22.26		0.429	22.26
80	80 PCB-83			NO	1.56	5.025	38.44		0.995		YES			0.343	
81	81 PCB-97	5.77e4	1.54	NO	1.12	5.025	38.64	38.64	1.000	1.000	NO	136.8		0.475	136.8
82	82 PCB-86			NO	1.06	5.025	38.79		1.004		YES			0.504	
83	83 PCB-87/117/125	8.40e4	1.60	NO	1.34	5.025	38.93	38.94	1.008	1.008	NO	167.0		0.398	167.0
84	84 PCB-111/115	4.51e3	1.40	NO	1.62	5.025	39.09	39.09	1.012	1.012	NO	7.430		0.330	7.430
85	85 PCB-85/116	3.41e4	1.54	NO	1.23	5.025	39.21	39.20	1.015	1.015	NO	73.67		0.433	73.67
86	86 PCB-120	2.20e3	1.22	YES	1.79	5.025	39.48	39.48	1.022	1.022	NO	3.266		0.298	2.942
87	87 PCB-110	3.19e5	1.54	NO	1.50	5.025	39.63	39.61	1.026	1.026	NO	566.9		0.356	566.9
88	88 PCB-82	1.91e4	1.48	NO	0.638	5.025	40.27	40.26	0.976	0.976	NO	56.29		0.593	56.29
89	89 PCB-124	1.21e4	1.33	YES	1.08	5.025	40.98	40.97	0.993	0.993	NO	21.14		0.351	19.77
90	90 PCB-107/109	2.21e4	1.42	NO	1.11	5.025	41.12	41.14	0.996	0.997	NO	37.44		0.341	37.44
91	91 PCB-123	4.19e3	1.45	NO	1.00	5.025	41.29	41.30	1.000	1.001	NO	7.865		0.378	7.865
92	92 PCB-106/118	2.62e5	1.56	NO	1.02	5.025	41.51	41.49	1.001	1.000	NO	483.1		0.379	483.1
93	93 PCB-114	4.31e3	1.72	NO	1.08	5.025	42.17	42.17	1.000	1.000	NO	9.652		0.752	9.652
94	94 PCB-122	2.11e3	1.74	NO	0.930	5.025	42.32	42.30	1.004	1.004	NO	5.517		0.877	5.517
95	95 PCB-105	8.21e4	1.52	NO	1.03	5.025	43.04	43.06	1.000	1.001	NO	190.0		0.745	190.0
96	96 PCB-127			NO	1.06	5.025	43.40		1.000		YES			0.691	
97	97 PCB-126	1.61e3	2.40	YES	1.15	5.025	45.35	45.37	1.000	1.001	NO	3.226		0.679	2.426
98	98 PCB-155	2.80e2	2.72	YES	0.853	5.025	36.82	36.84	1.000	1.001	NO	0.6712		0.193	0.4041
99	99 PCB-150	1.40e3	1.54	YES	0.934	5.025	38.12	38.14	1.036	1.036	NO	3.053		0.176	2.688

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	1... PCB-152	5.89e2	1.08	NO	1.02	5.025	38.62	38.60	1.049	1.049	NO	1.182		0.162	1.182
101	1... PCB-145			NO	0.983	5.025	39.09		1.062		YES			0.168	
102	1... PCB-136	4.32e4	1.28	NO	0.881	5.025	39.40	39.42	1.071	1.071	NO	100.3		0.187	100.3
103	1... PCB-148	6.74e2	1.38	NO	0.666	5.025	39.53	39.52	1.074	1.074	NO	2.069		0.247	2.069
104	1... PCB-154	6.52e3	1.07	NO	0.721	5.025	40.03	40.04	1.088	1.088	NO	18.49		0.229	18.49
105	1... PCB-151	5.79e4	1.34	NO	0.674	5.025	40.70	40.71	1.106	1.106	NO	175.6		0.245	175.6
106	1... PCB-135	3.17e4	1.18	NO	0.723	5.025	40.93	40.91	1.112	1.112	NO	89.71		0.228	89.71
107	1... PCB-144	1.06e4	1.26	NO	0.691	5.025	41.02	41.02	1.115	1.115	NO	31.23		0.238	31.23
108	1... PCB-147	6.45e3	1.22	NO	0.713	5.025	41.16	41.17	1.119	1.119	NO	18.50		0.231	18.50
109	1... PCB-139/149	2.09e5	1.30	NO	0.773	5.025	41.44	41.43	1.126	1.126	NO	553.4		0.213	553.4
110	1... PCB-140	2.36e3	1.22	NO	0.652	5.025	41.64	41.64	1.131	1.131	NO	7.395		0.253	7.395
111	1... PCB-134/143	1.03e4	1.19	NO	0.718	5.025	42.07	42.09	0.974	0.975	NO	36.58		0.619	36.58
112	1... PCB-131/133	6.87e3	1.28	NO	0.768	5.025	42.40	42.40	0.982	0.982	NO	22.69		0.579	22.69
113	1... PCB-142			NO	0.687	5.025	42.55		0.985		YES			0.646	
114	1... PCB-146/165	4.71e4	1.33	NO	0.943	5.025	42.79	42.81	0.991	0.991	NO	126.8		0.471	126.8
115	1... PCB-132/161	6.72e4	1.20	NO	0.957	5.025	43.04	43.08	0.997	0.997	NO	178.1		0.464	178.1
116	1... PCB-153	2.77e5	1.20	NO	0.990	5.025	43.23	43.23	1.001	1.001	NO	710.3		0.449	710.3
117	1... PCB-168	4.50e2	1.03	YES	1.03	5.025	43.44	43.44	1.006	1.006	NO	1.104		0.429	1.013
118	1... PCB-141	4.31e4	1.25	NO	0.948	5.025	43.99	43.99	1.000	1.000	NO	136.1		0.551	136.1
119	1... PCB-137	9.01e3	1.22	NO	0.964	5.025	44.36	44.38	1.009	1.009	NO	27.99		0.542	27.99
120	1... PCB-130	1.44e4	1.23	NO	0.816	5.025	44.48	44.48	1.012	1.012	NO	52.98		0.639	52.98
121	1... PCB-138/163/164	3.03e5	1.22	NO	1.15	5.025	44.88	44.86	1.001	1.001	NO	728.3		0.418	728.3
122	1... PCB-158/160	2.99e4	1.25	NO	1.14	5.025	45.12	45.09	1.007	1.006	NO	72.82		0.424	72.82
123	1... PCB-129	7.27e3	1.24	NO	0.807	5.025	45.37	45.37	1.012	1.012	NO	24.96		0.598	24.96
124	1... PCB-166	9.60e2	1.54	YES	1.03	5.025	45.85	45.82	0.993	0.993	NO	2.154		0.408	1.898
125	1... PCB-159	4.27e3	1.03	YES	1.10	5.025	46.18	46.24	1.000	1.002	NO	9.007		0.384	8.266
126	1... PCB-128/162	3.65e4	1.17	NO	0.836	5.025	46.47	46.45	1.007	1.006	NO	101.1		0.503	101.1
127	1... PCB-167	1.13e4	1.20	NO	0.960	5.025	46.88	46.89	1.000	1.000	NO	26.14		0.410	26.14
128	1... PCB-156	2.96e4	1.23	NO	1.06	5.025	48.21	48.21	1.000	1.000	NO	66.42		0.390	66.42
129	1... PCB-157	5.49e3	1.19	NO	0.960	5.025	48.50	48.50	1.000	1.000	NO	13.46		0.446	13.46
130	1... PCB-169			NO	1.04	5.025	50.77		1.000		YES			0.409	
131	1... PCB-188	4.08e2	1.61	YES	1.15	5.025	42.85	42.85	1.001	1.001	NO	0.9295		0.314	0.7288
132	1... PCB-184	3.80e2	1.34	YES	1.14	5.025	43.30	43.30	1.011	1.012	NO	0.8734		0.316	0.7658
133	1... PCB-179	4.26e4	1.05	NO	1.07	5.025	44.10	44.10	1.030	1.030	NO	103.8		0.336	103.8

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-4.qld

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Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	1... PCB-176	1.32e4	0.92	NO	1.11	5.025	44.57	44.57	1.041	1.041	NO	31.03		0.324	31.03
135	1... PCB-186			NO	1.23	5.025	45.20		1.056		YES			0.293	
136	1... PCB-178	1.61e4	0.96	NO	0.830	5.025	45.73	45.73	1.068	1.068	NO	50.67		0.434	50.67
137	1... PCB-175	2.85e3	1.11	NO	0.853	5.025	46.07	46.07	1.076	1.076	NO	8.744		0.423	8.744
138	1... PCB-182/187	9.89e4	1.06	NO	0.942	5.025	46.26	46.24	1.081	1.080	NO	274.7		0.383	274.7
139	1... PCB-183	4.10e4	1.03	NO	0.910	5.025	46.58	46.58	1.088	1.088	NO	117.9		0.396	117.9
140	1... PCB-185	7.91e3	1.07	NO	1.24	5.025	47.26	47.26	0.954	0.954	NO	23.86		0.430	23.86
141	1... PCB-174	7.08e4	1.05	NO	1.20	5.025	47.64	47.64	0.962	0.962	NO	220.7		0.445	220.7
142	1... PCB-181	1.66e3	0.89	YES	1.33	5.025	47.74	47.72	0.964	0.964	NO	4.665		0.401	4.292
143	1... PCB-177	3.99e4	0.99	NO	1.14	5.025	47.93	47.93	0.968	0.968	NO	130.7		0.467	130.7
144	1... PCB-171	1.76e4	1.04	NO	1.22	5.025	48.22	48.21	0.974	0.974	NO	54.06		0.438	54.06
145	1... PCB-173	1.36e3	1.02	NO	1.07	5.025	48.67	48.65	0.983	0.982	NO	4.745		0.499	4.745
146	1... PCB-172	1.14e4	1.00	NO	1.26	5.025	49.12	49.12	0.992	0.992	NO	33.79		0.424	33.79
147	1... PCB-192			NO	1.61	5.025	49.33		0.996		YES			0.330	
148	1... PCB-180	1.62e5	1.01	NO	1.30	5.025	49.54	49.54	1.000	1.000	NO	464.2		0.409	464.2
149	1... PCB-193	1.04e4	1.11	NO	1.47	5.025	49.74	49.75	1.004	1.005	NO	26.29		0.362	26.29
150	1... PCB-191	3.22e3	1.13	NO	1.51	5.025	50.01	50.01	1.010	1.010	NO	7.987		0.354	7.987
151	1... PCB-170	5.98e4	1.02	NO	1.23	5.025	51.21	51.20	1.000	1.000	NO	190.0		0.435	190.0
152	1... PCB-190	1.74e4	1.01	NO	1.61	5.025	51.42	51.41	1.005	1.004	NO	42.28		0.333	42.28
153	1... PCB-189	3.00e3	1.03	NO	1.27	5.025	52.93	52.91	1.000	1.000	NO	7.251		0.312	7.251
154	1... PCB-202	9.83e3	0.91	NO	0.995	5.025	48.44	48.44	1.001	1.001	NO	23.69		0.398	23.69
155	1... PCB-201	6.25e3	0.92	NO	0.904	5.025	48.91	48.93	1.010	1.011	NO	16.58		0.438	16.58
156	1... PCB-204			NO	0.955	5.025	49.06		1.014		YES			0.415	
157	1... PCB-197	1.72e3	0.96	NO	0.964	5.025	49.38	49.40	1.020	1.021	NO	4.289		0.411	4.289
158	1... PCB-200	5.80e3	0.96	NO	0.911	5.025	50.31	50.33	1.039	1.040	NO	15.26		0.435	15.26
159	1... PCB-198	1.35e3	1.06	YES	0.696	5.025	51.87	51.91	1.072	1.072	NO	4.646		0.569	4.266
160	1... PCB-199	3.56e4	0.89	NO	0.706	5.025	52.00	52.02	1.074	1.075	NO	121.0		0.561	121.0
161	1... PCB-196/203	3.91e4	0.95	NO	0.754	5.025	52.30	52.32	1.081	1.081	NO	124.3		0.525	124.3
162	1... PCB-195	9.78e3	0.92	NO	0.957	5.025	53.61	53.62	0.984	0.984	NO	41.88		0.711	41.88
163	1... PCB-194	2.43e4	0.86	NO	1.06	5.025	54.52	54.52	1.000	1.000	NO	94.05		0.642	94.05
164	1... PCB-205	1.69e3	0.66	YES	1.27	5.025	54.80	54.80	1.005	1.005	NO	5.451		0.536	4.596
165	1... PCB-208	6.34e3	1.30	NO	0.861	5.025	53.76	53.76	1.000	1.000	NO	23.21		0.537	23.21
166	1... PCB-207	2.92e3	1.37	NO	0.849	5.025	54.10	54.10	1.007	1.007	NO	10.83		0.544	10.83
167	1... PCB-206	1.52e4	1.30	NO	0.951	5.025	56.07	56.07	1.000	1.000	NO	73.39		0.700	73.39

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Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
168	1... PCB-209	2.47e4	1.18	NO	0.863	5.025	57.30	57.32	1.000	1.000	NO	106.2		0.353	106.2
169	1... 13C-PCB-1	1.70e6	3.07	NO	0.937	5.025	15.42	15.41	0.608	0.608	NO	2133	107	2.61	
170	1... 13C-PCB-3	1.63e6	3.16	NO	0.934	5.025	18.05	18.03	0.712	0.711	NO	2051	103	2.62	
171	1... 13C-PCB-4	8.90e5	1.59	NO	0.599	5.025	19.40	19.38	0.765	0.764	NO	1749	87.9	0.772	
172	1... 13C-PCB-9	1.48e6	1.54	NO	0.960	5.025	21.21	21.19	0.836	0.836	NO	1820	91.5	0.482	
173	1... 13C-PCB-11	1.41e6	1.52	NO	0.929	5.025	24.64	24.65	0.971	0.972	NO	1790	89.9	0.498	
174	1... 13C-PCB-19	8.88e5	1.02	NO	0.506	5.025	23.61	23.61	0.931	0.931	NO	2064	104	9.62	
175	1... 13C-PCB-32	1.25e6	1.01	NO	0.738	5.025	26.60	26.59	1.049	1.048	NO	1995	100	6.60	
176	1... 13C-PCB-28	1.31e6	1.01	NO	1.06	5.025	28.59	28.59	1.004	1.004	NO	1842	92.6	6.00	
177	1... 13C-PCB-37	1.28e6	1.03	NO	0.979	5.025	32.57	32.59	1.143	1.144	NO	1950	98.0	6.49	
178	1... 13C-PCB-54	1.00e6	0.75	NO	0.981	5.025	27.43	27.44	0.751	0.752	NO	1507	75.7	1.02	
179	1... 13C-PCB-52	8.52e5	0.77	NO	0.786	5.025	31.09	31.09	0.852	0.852	NO	1598	80.3	1.27	
180	1... 13C-PCB-47	9.09e5	0.78	NO	0.833	5.025	31.60	31.63	0.866	0.866	NO	1610	80.9	1.20	
181	1... 13C-PCB-70	1.16e6	0.77	NO	0.981	5.025	35.23	35.24	0.965	0.965	NO	1737	87.3	1.02	
182	1... 13C-PCB-80	1.19e6	0.77	NO	1.01	5.025	35.66	35.67	0.977	0.977	NO	1737	87.3	0.985	
183	1... 13C-PCB-81	1.17e6	0.78	NO	0.995	5.025	38.86	38.87	1.064	1.065	NO	1741	87.5	1.00	
184	1... 13C-PCB-77	1.14e6	0.77	NO	0.977	5.025	39.48	39.48	1.082	1.082	NO	1718	86.3	1.02	
185	1... 13C-PCB-104	1.05e6	1.58	NO	1.00	5.025	32.29	32.28	0.826	0.826	NO	1730	86.9	0.969	
186	1... 13C-PCB-95	8.01e5	1.58	NO	0.779	5.025	35.53	35.53	0.910	0.910	NO	1697	85.3	1.25	
187	1... 13C-PCB-101	8.85e5	1.53	NO	0.833	5.025	37.28	37.28	0.954	0.954	NO	1753	88.1	1.17	
188	1... 13C-PCB-97	7.47e5	1.52	NO	0.679	5.025	38.62	38.62	0.988	0.989	NO	1815	91.2	1.43	
189	1... 13C-PCB-123	1.06e6	1.61	NO	0.970	5.025	41.26	41.27	1.056	1.056	NO	1802	90.5	1.00	
190	1... 13C-PCB-118	1.06e6	1.53	NO	1.00	5.025	41.45	41.47	1.061	1.061	NO	1742	87.5	0.973	
191	1... 13C-PCB-114	8.20e5	1.56	NO	1.55	5.025	42.14	42.15	0.908	0.908	NO	1549	77.8	1.39	
192	1... 13C-PCB-105	8.31e5	1.69	NO	1.59	5.025	43.02	43.02	0.927	0.927	NO	1526	76.7	1.35	
193	1... 13C-PCB-127	9.03e5	1.53	NO	1.66	5.025	43.39	43.38	0.934	0.934	NO	1593	80.1	1.29	
194	1... 13C-PCB-126	8.64e5	1.57	NO	1.65	5.025	45.33	45.33	0.976	0.976	NO	1535	77.1	1.30	
195	1... 13C-PCB-155	9.74e5	1.27	NO	0.819	5.025	36.80	36.80	0.942	0.942	NO	1962	98.6	0.408	
196	1... 13C-PCB-153	7.84e5	1.26	NO	1.31	5.025	43.20	43.19	0.930	0.930	NO	1747	87.8	2.23	
197	1... 13C-PCB-141	6.65e5	1.27	NO	1.08	5.025	43.97	43.97	0.947	0.947	NO	1793	90.1	2.70	
198	1... 13C-PCB-138	7.18e5	1.24	NO	1.15	5.025	44.82	44.82	0.965	0.965	NO	1822	91.6	2.54	
199	1... 13C-PCB-159	8.60e5	1.26	NO	1.39	5.025	46.16	46.17	0.994	0.994	NO	1805	90.7	2.10	
200	2... 13C-PCB-167	8.96e5	1.24	NO	1.43	5.025	46.86	46.87	1.009	1.009	NO	1836	92.3	2.05	
201	2... 13C-PCB-156	8.35e5	1.26	NO	1.34	5.025	48.20	48.19	1.038	1.038	NO	1824	91.7	2.19	



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Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	2... 13C-PCB-157	8.46e5	1.24	NO	1.36	5.025	48.46	48.48	1.044	1.044	NO	1820	91.5	2.15	
203	2... 13C-PCB-169	8.56e5	1.23	NO	1.33	5.025	50.73	50.75	1.092	1.093	NO	1880	94.5	2.20	
204	2... 13C-PCB-188	7.61e5	0.44	NO	1.39	5.025	42.81	42.81	0.925	0.925	NO	1749	87.9	0.882	
205	2... 13C-PCB-180	5.32e5	0.45	NO	0.907	5.025	49.53	49.52	1.071	1.070	NO	1877	94.3	1.35	
206	2... 13C-PCB-170	5.08e5	0.44	NO	0.823	5.025	51.18	51.19	1.106	1.106	NO	1975	99.2	1.49	
207	2... 13C-PCB-189	6.48e5	0.43	NO	1.08	5.025	52.88	52.91	1.143	1.144	NO	1925	96.7	1.14	
208	2... 13C-PCB-202	8.30e5	0.91	NO	1.23	5.025	48.41	48.40	1.046	1.046	NO	2153	108	1.10	
209	2... 13C-PCB-194	4.86e5	0.88	NO	0.710	5.025	54.52	54.51	0.995	0.995	NO	1948	97.9	1.65	
210	2... 13C-PCB-208	6.32e5	0.77	NO	0.865	5.025	53.76	53.75	0.981	0.981	NO	2079	104	1.37	
211	2... 13C-PCB-206	4.32e5	0.80	NO	0.623	5.025	56.07	56.06	1.023	1.023	NO	1976	99.3	1.91	
212	2... 13C-PCB-209	5.36e5	1.17	NO	0.725	5.025	57.31	57.30	1.046	1.046	NO	2108	106	0.413	
213	2... 13C-PCB-15	1.69e6	1.60	NO	1.00	5.025	25.39	25.36	1.000	0.000	NO	1990	100	0.463	
214	2... 13C-PCB-31	1.34e6	1.05	NO	1.00	5.025	28.52	28.48	1.000	0.000	NO	1990	100	6.35	
215	2... 13C-PCB-60	1.35e6	0.78	NO	1.00	5.025	36.54	36.50	1.000	0.000	NO	1990	100	0.999	
216	2... 13C-PCB-111	1.21e6	1.57	NO	1.00	5.025	39.11	39.07	1.000	0.000	NO	1990	100	0.974	
217	2... 13C-PCB-128	6.81e5	1.26	NO	1.00	5.025	46.47	46.43	1.000	0.000	NO	1990	100	2.93	
218	2... 13C-PCB-182	6.23e5	0.46	NO	1.00	5.025	46.30	46.26	0.000	0.000	NO	1990	100	1.23	
219	2... 13C-PCB-205	6.99e5	0.89	NO	1.00	5.025	54.81	54.78	1.000	0.000	NO	1990	100	1.17	
220	2... 13C-PCB-79	1.22e6	0.78	NO	1.04	5.025	37.60	37.60	1.030	1.030	NO	1737	87.3	0.964	
221	2... 13C-PCB-178	5.22e5	0.44	NO	0.774	5.025	45.70	45.69	0.988	0.988	NO	1973	99.1	1.44	
222	2... 13C-PCB-79	1.22e6	0.78	NO	1.04	5.025	37.61	37.60	0.968	0.967	NO	1986	99.8	1.10	
223	2... 13C-PCB-178	5.22e5	0.44	NO	1.02	5.025	45.69	45.69	0.923	0.923	NO	1918	96.4	1.42	
224	2... Total Mono-PCBs				1.00	5.025	0.00		0.000		NO	22.18		0.660	22.18
225	2... Total Di-PCBs				1.04	5.025	0.00		0.000		NO	255.9		7.10	265.2
226	2... 2nd Function Tri-PCBs				0.943	5.025	0.00		0.000		NO	201.5		2.26	201.5
227	2... 3rd Function Tri-PCBs				0.969	5.025	0.00		0.000		NO	526.1		6.21	531.7
228	2... Total Tetra-PCBs				0.991	5.025	0.00		0.000		NO	2233		10.9	2259
229	2... 3rd Function Penta-PCBs				1.11	5.025	0.00		0.000		NO	3222		12.4	3246
230	2... 4th Function Penta-PCBs				1.05	5.025	0.00		0.000		NO	205.2		3.74	207.6
231	2... 3rd Function Hexa-PCBs				0.791	5.025	0.00		0.000		NO	997.8		2.77	1001
232	2... 4th Function Hexa-PCBs				0.946	5.025	0.00		0.000		NO	2325		9.78	2336
233	2... Total Hepta-PCBs				1.20	5.025	0.00		0.000		NO	1793		8.86	1799
234	2... 4th Function Octa-PCBs				0.860	5.025	0.00		0.000		NO	305.2		3.75	309.4
235	2... 5th Function Octa-PCBs				1.10	5.025	0.00		0.000		NO	135.9		1.89	140.5

Handwritten annotations in blue ink:  
 Row 226: 459.6 728  
 Row 227: 733.2  
 Row 229: 3427.2  
 Row 232: 3322.8  
 Row 235: 441.1  
 Row 235: 449.9

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	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
236	2... Total Nona-PCBs				0.887	5.025	0.00		0.000		NO	107.4		1.78	107.4
237	2... Deca-CB				0.863	5.025	0.00		0.000		NO	106.2		0.353	106.2
238	2... Total PCBs														

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Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

**Total Mono-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-1	15.42	15.43	5.575e4	1.789e4	2.971e3	1.015e3	2.93	NO	3.986e3	4.7419	4.7419	0.212
2	PCB-2	17.82	17.82	1.187e5	3.708e4	7.048e3	2.440e3	2.89	NO	9.488e3	11.363	11.363	0.222
3	PCB-3	18.04	18.06	6.083e4	1.955e4	3.770e3	1.207e3	3.12	NO	4.977e3	6.0768	6.0768	0.226

**Total Di-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-4/10	19.46	19.41	1.003e5	6.981e4	6.217e3	4.169e3	1.49	NO	1.039e4	19.232	19.232	1.09
2	PCB-6	21.89	21.90	6.820e4	4.711e4	4.215e3	3.423e3	1.23	YES	7.638e3	0.00000	9.3134	0.845
3	PCB-5/8	22.30	22.30	2.703e5	1.626e5	1.661e4	1.078e4	1.54	NO	2.739e4	37.657	37.657	0.863
4	PCB-11	24.67	24.67	1.212e6	7.435e5	7.692e4	4.861e4	1.58	NO	1.255e5	158.51	158.51	0.796
5	PCB-15	25.38	25.38	2.745e5	1.773e5	1.768e4	1.154e4	1.53	NO	2.922e4	40.489	40.489	0.874

**2nd Function Tri-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-19	23.64	23.63	7.537e4	6.830e4	5.016e3	4.828e3	1.04	NO	9.843e3	22.706	22.706	0.443
2	PCB-18	25.31	25.30	2.702e5	2.681e5	1.725e4	1.716e4	1.01	NO	3.442e4	76.171	76.171	0.413
3	PCB-17	25.48	25.48	1.381e5	1.417e5	9.089e3	8.899e3	1.02	NO	1.799e4	42.636	42.636	0.442
4	PCB-24/27	26.06	26.05	3.638e4	3.563e4	2.345e3	2.410e3	0.97	NO	4.755e3	8.1206	8.1206	0.318
5	PCB-16/32	26.61	26.60	1.471e5	1.381e5	1.377e4	1.306e4	1.05	NO	2.683e4	51.823	51.823	0.360

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3rd Function Tri-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-34	27.40	27.42	7.096e3	6.192e3	5.234e2	4.026e2	1.30	YES	9.260e2	0.00000	1.4180	0.482
2	PCB-26	27.99	27.98	1.353e5	1.278e5	1.017e4	9.499e3	1.07	NO	1.967e4	32.579	32.579	0.463
3	PCB-25	28.14	28.15	8.272e4	7.411e4	6.293e3	5.454e3	1.15	NO	1.175e4	19.447	19.447	0.463
4	PCB-31	28.51	28.52	5.929e5	5.599e5	4.330e4	4.149e4	1.04	NO	8.480e4	124.72	124.72	0.411
5	PCB-28	28.61	28.61	7.408e5	6.920e5	5.721e4	5.270e4	1.09	NO	1.099e5	164.21	164.21	0.417
6	PCB-20/21/33	29.25	29.28	2.728e5	2.717e5	2.317e4	2.303e4	1.01	NO	4.621e4	76.711	76.711	0.464
7	PCB-22	29.69	29.71	1.874e5	1.851e5	1.416e4	1.420e4	1.00	NO	2.836e4	45.335	45.335	0.447
8	PCB-36	30.36	30.32	7.021e3	5.128e3	5.038e2	3.996e2	1.26	YES	9.034e2	0.00000	1.1826	0.408
9	PCB-38	31.63	31.65	1.276e4	1.468e4	1.020e3	1.227e3	0.83	YES	2.247e3	0.00000	2.9529	0.415
10	PCB-35	32.17	32.18	1.778e4	1.636e4	1.413e3	1.186e3	1.19	NO	2.599e3	3.8486	3.8486	0.417
11	PCB-37	32.61	32.61	2.537e5	2.395e5	1.999e4	1.932e4	1.03	NO	3.931e4	59.263	59.263	0.424

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Total Tetra-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-54	27.46	27.46	1.701e4	2.571e4	1.199e3	1.973e3	0.61	YES	3.172e3	0.00000	5.6159	0.320
2	PCB-50	28.66	28.65	4.325e3	5.277e3	3.834e2	4.150e2	0.92	YES	7.984e2	0.00000	1.8162	0.388
3	PCB-53	29.32	29.34	8.574e4	1.214e5	6.915e3	9.446e3	0.73	NO	1.636e4	40.715	40.715	0.396
4	PCB-51	29.68	29.67	6.725e4	9.233e4	5.157e3	6.913e3	0.75	NO	1.207e4	28.215	28.215	0.372
5	PCB-45	30.13	30.12	5.253e4	6.439e4	3.945e3	4.823e3	0.82	NO	8.768e3	25.529	25.529	0.464
6	PCB-46	30.63	30.62	2.165e4	3.055e4	1.679e3	2.418e3	0.69	NO	4.098e3	12.429	12.429	0.483
7	PCB-52/69	31.12	31.11	8.136e5	1.051e6	6.396e4	8.154e4	0.78	NO	1.455e5	314.14	314.14	0.344
8	PCB-43/49	31.41	31.42	5.010e5	6.618e5	3.958e4	5.182e4	0.76	NO	9.140e4	230.87	230.87	0.402
9	PCB-47	31.65	31.65	2.895e5	3.630e5	2.346e4	2.951e4	0.79	NO	5.297e4	134.49	134.49	0.429
10	PCB-48/75	31.78	31.78	9.832e4	1.309e5	7.376e3	9.932e3	0.74	NO	1.731e4	36.528	36.528	0.357
11	PCB-44	32.48	32.45	4.325e5	5.938e5	3.234e4	4.424e4	0.73	NO	7.658e4	221.40	221.40	0.488
12	PCB-42/59	32.71	32.69	1.752e5	2.280e5	1.342e4	1.703e4	0.79	NO	3.045e4	68.429	68.429	0.380
13	PCB-41/64/71/72	33.31	33.28	5.003e5	6.810e5	4.193e4	5.710e4	0.73	NO	9.903e4	194.34	194.34	0.332
14	PCB-68	33.58	33.56	1.269e4	2.021e4	9.258e2	1.405e3	0.66	NO	2.331e3	4.2928	4.2928	0.311
15	PCB-40	33.81	33.77	5.956e4	6.840e4	4.295e3	5.052e3	0.85	NO	9.347e3	35.766	35.766	0.646
16	PCB-57	34.14	34.14	6.647e3	6.195e3	4.949e2	5.174e2	0.96	YES	1.012e3	0.00000	1.4650	0.263
17	PCB-67	34.45	34.46	2.537e4	2.659e4	1.884e3	2.244e3	0.84	NO	4.128e3	6.9965	6.9965	0.279
18	PCB-58	34.57	34.57	6.028e3	7.898e3	4.679e2	5.225e2	0.90	YES	9.903e2	0.00000	1.4722	0.262
19	PCB-63	34.74	34.73	3.851e4	3.850e4	3.091e3	3.208e3	0.96	YES	6.299e3	0.00000	10.073	0.292
20	PCB-74	35.04	35.03	4.045e5	5.678e5	3.116e4	4.270e4	0.73	NO	7.386e4	116.98	116.98	0.261
21	PCB-61/70	35.25	35.26	1.021e6	1.384e6	7.914e4	1.073e5	0.74	NO	1.864e5	328.28	328.28	0.290
22	PCB-76/66	35.43	35.46	8.664e5	1.144e6	6.694e4	8.832e4	0.76	NO	1.553e5	249.64	249.64	0.265
23	PCB-55	36.02	35.98	9.656e3	1.393e4	1.019e3	1.186e3	0.86	NO	2.205e3	3.4527	3.4527	0.256
24	PCB-56/60	36.53	36.52	4.458e5	5.856e5	3.575e4	4.750e4	0.75	NO	8.324e4	146.76	146.76	0.289
25	PCB-79	37.63	37.64	2.496e4	2.566e4	1.993e3	2.169e3	0.92	YES	4.162e3	0.00000	6.0449	0.258
26	PCB-78	38.35	38.29	4.329e3	5.936e3	4.006e2	4.777e2	0.84	NO	8.783e2	1.4801	1.4801	0.278
27	PCB-81	38.89	38.92	1.839e4	2.471e4	6.257e2	9.083e2	0.69	NO	1.534e3	2.7647	2.7647	0.297
28	PCB-77	39.50	39.50	9.208e4	1.177e5	7.568e3	9.591e3	0.79	NO	1.716e4	29.156	29.156	0.283

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## 3rd Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-104	32.30	32.32	4.164e3	4.562e3	3.436e2	3.210e2	1.07	YES	6.645e2	0.00000	1.0855	0.369
2	PCB-96	33.59	33.58	1.723e4	1.306e4	1.498e3	1.126e3	1.33	NO	2.624e3	5.0482	5.0482	0.368
3	PCB-103	34.15	34.16	3.968e4	2.405e4	3.157e3	1.871e3	1.69	NO	5.028e3	12.348	12.348	0.470
4	PCB-100	34.52	34.53	3.914e4	2.538e4	3.101e3	2.027e3	1.53	NO	5.128e3	12.045	12.045	0.450
5	PCB-94	34.99	35.01	1.437e4	1.047e4	1.105e3	7.457e2	1.48	NO	1.850e3	5.5335	5.5335	0.577
6	PCB-95/98/102	35.49	35.55	1.254e6	7.948e5	1.028e5	6.458e4	1.59	NO	1.674e5	388.36	388.36	0.448
7	PCB-88/91	35.96	35.98	2.426e5	1.620e5	1.942e4	1.284e4	1.51	NO	3.226e4	88.040	88.040	0.527
8	PCB-84/92	36.91	36.91	6.960e5	4.560e5	5.376e4	3.538e4	1.52	NO	8.913e4	242.81	242.81	0.529
9	PCB-89	37.09	37.10	1.211e4	1.030e4	1.034e3	7.721e2	1.34	NO	1.806e3	4.5902	4.5902	0.494
10	PCB-90/101	37.30	37.30	1.881e6	1.224e6	1.524e5	9.775e4	1.56	NO	2.501e5	621.78	621.78	0.483
11	PCB-113	37.54	37.58	1.340e5	8.029e4	2.616e3	1.718e3	1.52	NO	4.334e3	7.7469	7.7469	0.347
12	PCB-99	37.64	37.64	9.048e5	5.610e5	6.981e4	4.321e4	1.62	NO	1.130e5	255.95	255.95	0.440
13	PCB-119	38.12	38.12	8.400e4	5.301e4	6.585e3	4.180e3	1.58	NO	1.077e4	18.748	18.748	0.349
14	PCB-108/112	38.28	38.29	7.756e4	5.461e4	6.265e3	4.138e3	1.51	NO	1.040e4	22.256	22.256	0.429
15	PCB-97	38.64	38.64	4.339e5	2.873e5	3.496e4	2.271e4	1.54	NO	5.767e4	136.78	136.78	0.475
16	PCB-87/117/125	38.93	38.94	6.454e5	4.054e5	5.163e4	3.236e4	1.60	NO	8.398e4	167.04	167.04	0.398
17	PCB-111/115	39.09	39.09	3.696e4	2.816e4	2.629e3	1.878e3	1.40	NO	4.507e3	7.4305	7.4305	0.330
18	PCB-85/116	39.21	39.20	2.607e5	1.695e5	2.066e4	1.340e4	1.54	NO	3.406e4	73.672	73.672	0.433
19	PCB-120	39.48	39.48	1.524e4	1.291e4	1.206e3	9.907e2	1.22	YES	2.196e3	0.00000	2.9416	0.298
20	PCB-110	39.63	39.61	2.400e6	1.557e6	1.934e5	1.255e5	1.54	NO	3.189e5	566.88	566.88	0.356
21	PCB-82	40.27	40.26	1.459e5	9.743e4	1.139e4	7.718e3	1.48	NO	1.911e4	56.293	56.293	0.593
22	PCB-124	40.98	40.97	6.971e4	5.360e4	6.916e3	5.219e3	1.33	YES	1.214e4	0.00000	19.769	0.351
23	PCB-107/109	41.12	41.14	1.656e5	1.138e5	1.298e4	9.112e3	1.42	NO	2.209e4	37.442	37.442	0.341
24	PCB-123	41.29	41.30	2.868e4	2.147e4	2.477e3	1.711e3	1.45	NO	4.189e3	7.8646	7.8646	0.378
25	PCB-106/118	41.51	41.49	1.933e6	1.245e6	1.599e5	1.023e5	1.56	NO	2.622e5	483.06	483.06	0.379

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4th Function Penta-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-114	42.17	42.17	3.038e4	1.875e4	2.727e3	1.584e3	1.72	NO	4.310e3	9.6520	9.6520	0.752
2	PCB-122	42.32	42.30	1.606e4	1.033e4	1.343e3	7.711e2	1.74	NO	2.114e3	5.5165	5.5165	0.877
3	PCB-105	43.04	43.06	6.091e5	3.964e5	4.946e4	3.261e4	1.52	NO	8.207e4	190.01	190.01	0.745
4	PCB-126	45.35	45.37	1.443e4	5.390e3	1.138e3	4.733e2	2.40	YES	1.611e3	0.00000	2.4257	0.679

3rd Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-155	36.82	36.84	2.600e3	1.263e3	2.048e2	7.528e1	2.72	YES	2.801e2	0.00000	0.40411	0.193
2	PCB-150	38.12	38.14	1.033e4	7.120e3	8.473e2	5.486e2	1.54	YES	1.396e3	0.00000	2.6875	0.176
3	PCB-152	38.62	38.60	4.330e3	4.277e3	3.054e2	2.835e2	1.08	NO	5.889e2	1.1818	1.1818	0.162
4	PCB-136	39.40	39.42	3.029e5	2.384e5	2.427e4	1.896e4	1.28	NO	4.323e4	100.26	100.26	0.187
5	PCB-148	39.53	39.52	8.398e3	5.162e3	3.915e2	2.830e2	1.38	NO	6.744e2	2.0686	2.0686	0.247
6	PCB-154	40.03	40.04	4.154e4	4.352e4	3.366e3	3.156e3	1.07	NO	6.523e3	18.491	18.491	0.229
7	PCB-151	40.70	40.71	4.091e5	3.107e5	3.320e4	2.472e4	1.34	NO	5.792e4	175.57	175.57	0.245
8	PCB-135	40.93	40.91	2.186e5	1.850e5	1.718e4	1.456e4	1.18	NO	3.175e4	89.710	89.710	0.228
9	PCB-144	41.02	41.02	7.480e4	5.822e4	5.885e3	4.683e3	1.26	NO	1.057e4	31.226	31.226	0.238
10	PCB-147	41.16	41.17	5.131e4	3.934e4	3.545e3	2.908e3	1.22	NO	6.453e3	18.496	18.496	0.231
11	PCB-139/149	41.44	41.43	1.492e6	1.155e6	1.182e5	9.125e4	1.30	NO	2.094e5	553.45	553.45	0.213
12	PCB-140	41.64	41.64	1.549e4	1.271e4	1.300e3	1.061e3	1.22	NO	2.361e3	7.3951	7.3951	0.253

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4th Function Hexa-PCBs

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-134/143	42.07	42.09	7.202e4	5.856e4	5.614e3	4.734e3	1.19	NO	1.035e4	36.582	36.582	0.619
2	PCB-131/133	42.40	42.40	5.055e4	3.847e4	3.848e3	3.017e3	1.28	NO	6.866e3	22.691	22.691	0.579
3	PCB-146/165	42.79	42.81	3.353e5	2.506e5	2.692e4	2.022e4	1.33	NO	4.715e4	126.80	126.80	0.471
4	PCB-132/161	43.04	43.08	4.682e5	3.872e5	3.662e4	3.059e4	1.20	NO	6.721e4	178.15	178.15	0.464
5	PCB-153	43.23	43.23	1.867e6	1.553e6	1.510e5	1.262e5	1.20	NO	2.772e5	710.32	710.32	0.449
6	PCB-168	43.44	43.44	3.428e3	3.463e3	2.287e2	2.216e2	1.03	YES	4.503e2	0.00000	1.0127	0.429
7	PCB-141	43.99	43.99	3.042e5	2.366e5	2.398e4	1.913e4	1.25	NO	4.310e4	136.09	136.09	0.551
8	PCB-137	44.36	44.38	6.336e4	5.049e4	4.945e3	4.062e3	1.22	NO	9.007e3	27.987	27.987	0.542
9	PCB-130	44.48	44.48	1.000e5	8.029e4	7.968e3	6.478e3	1.23	NO	1.445e4	52.979	52.979	0.639
10	PCB-138/163/164	44.88	44.86	1.814e6	1.457e6	1.670e5	1.363e5	1.22	NO	3.033e5	728.33	728.33	0.418
11	PCB-158/160	45.12	45.09	1.976e5	1.590e5	1.663e4	1.328e4	1.25	NO	2.991e4	72.819	72.819	0.424
12	PCB-129	45.37	45.37	5.079e4	3.935e4	4.019e3	3.247e3	1.24	NO	7.266e3	24.958	24.958	0.598
13	PCB-166	45.85	45.82	8.381e3	5.181e3	5.824e2	3.778e2	1.54	YES	9.602e2	0.00000	1.8983	0.408
14	PCB-159	46.18	46.24	2.819e4	2.484e4	2.169e3	2.100e3	1.03	YES	4.269e3	0.00000	8.2655	0.384
15	PCB-128/162	46.47	46.45	2.371e5	2.004e5	1.971e4	1.684e4	1.17	NO	3.655e4	101.11	101.11	0.503
16	PCB-167	46.88	46.89	7.513e4	6.128e4	6.170e3	5.127e3	1.20	NO	1.130e4	26.142	26.142	0.410
17	PCB-156	48.21	48.21	1.976e5	1.649e5	1.631e4	1.331e4	1.23	NO	2.962e4	66.424	66.424	0.390
18	PCB-157	48.50	48.50	3.486e4	3.067e4	2.988e3	2.503e3	1.19	NO	5.491e3	13.456	13.456	0.446



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**Total Hepta-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-188	42.85	42.85	3.321e3	2.205e3	2.522e2	1.562e2	1.61	YES	4.085e2	0.00000	0.72880	0.314
2	PCB-184	43.30	43.30	3.337e3	2.276e3	2.177e2	1.627e2	1.34	YES	3.805e2	0.00000	0.76581	0.316
3	PCB-179	44.10	44.10	2.740e5	2.562e5	2.185e4	2.079e4	1.05	NO	4.264e4	103.82	103.82	0.336
4	PCB-176	44.57	44.57	7.994e4	8.490e4	6.329e3	6.869e3	0.92	NO	1.320e4	31.028	31.028	0.324
5	PCB-178	45.73	45.73	9.735e4	9.919e4	7.875e3	8.200e3	0.96	NO	1.607e4	50.666	50.666	0.434
6	PCB-175	46.07	46.07	2.138e4	1.785e4	1.498e3	1.352e3	1.11	NO	2.850e3	8.7439	8.7439	0.423
7	PCB-182/187	46.26	46.24	6.330e5	5.920e5	5.090e4	4.799e4	1.06	NO	9.889e4	274.72	274.72	0.383
8	PCB-183	46.58	46.58	2.517e5	2.513e5	2.080e4	2.021e4	1.03	NO	4.100e4	117.88	117.88	0.396
9	PCB-185	47.26	47.26	5.481e4	4.760e4	4.082e3	3.823e3	1.07	NO	7.905e3	23.858	23.858	0.430
10	PCB-174	47.64	47.64	4.387e5	4.141e5	3.620e4	3.456e4	1.05	NO	7.076e4	220.72	220.72	0.445
11	PCB-181	47.74	47.72	2.107e4	2.071e4	7.820e2	8.776e2	0.89	YES	1.660e3	0.00000	4.2917	0.401
12	PCB-177	47.93	47.93	2.422e5	2.488e5	1.984e4	2.008e4	0.99	NO	3.992e4	130.73	130.73	0.467
13	PCB-171	48.22	48.21	1.129e5	1.076e5	8.998e3	8.614e3	1.04	NO	1.761e4	54.063	54.063	0.438
14	PCB-173	48.67	48.65	8.068e3	8.004e3	6.842e2	6.712e2	1.02	NO	1.355e3	4.7452	4.7452	0.499
15	PCB-172	49.12	49.12	6.930e4	6.827e4	5.675e3	5.689e3	1.00	NO	1.136e4	33.786	33.786	0.424
16	PCB-180	49.54	49.54	1.004e6	9.821e5	8.115e4	8.048e4	1.01	NO	1.616e5	464.23	464.23	0.409
17	PCB-193	49.74	49.75	6.602e4	5.654e4	5.441e3	4.911e3	1.11	NO	1.035e4	26.293	26.293	0.362
18	PCB-191	50.01	50.01	2.039e4	1.645e4	1.707e3	1.511e3	1.13	NO	3.218e3	7.9873	7.9873	0.354
19	PCB-170	51.21	51.20	3.746e5	3.668e5	3.018e4	2.959e4	1.02	NO	5.977e4	190.04	190.04	0.435
20	PCB-190	51.42	51.41	1.144e5	1.114e5	8.733e3	8.654e3	1.01	NO	1.739e4	42.282	42.282	0.333
21	PCB-189	52.93	52.91	2.033e4	2.173e4	1.526e3	1.478e3	1.03	NO	3.004e3	7.2515	7.2515	0.312

**4th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-202	48.44	48.44	5.460e4	6.398e4	4.669e3	5.156e3	0.91	NO	9.826e3	23.694	23.694	0.398
2	PCB-201	48.91	48.93	3.500e4	3.780e4	2.994e3	3.254e3	0.92	NO	6.247e3	16.579	16.579	0.438
3	PCB-197	49.38	49.40	1.123e4	9.963e3	8.448e2	8.789e2	0.96	NO	1.724e3	4.2887	4.2887	0.411
4	PCB-200	50.31	50.33	3.411e4	3.496e4	2.835e3	2.961e3	0.96	NO	5.796e3	15.256	15.256	0.435
5	PCB-198	51.87	51.91	1.295e4	1.097e4	6.930e2	6.547e2	1.06	YES	1.348e3	0.00000	4.2661	0.569
6	PCB-199	52.00	52.02	2.313e5	2.499e5	1.676e4	1.887e4	0.89	NO	3.563e4	121.04	121.04	0.561
7	PCB-196/203	52.30	52.32	2.601e5	2.730e5	1.905e4	2.005e4	0.95	NO	3.910e4	124.31	124.31	0.525

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**5th Function Octa-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-195	53.61	53.62	7.400e4	8.108e4	4.692e3	5.092e3	0.92	NO	9.784e3	41.878	41.878	0.711
2	PCB-194	54.52	54.52	1.920e5	2.261e5	1.122e4	1.312e4	0.86	NO	2.435e4	94.045	94.045	0.642
3	PCB-205	54.80	54.80	1.143e4	1.783e4	6.703e2	1.018e3	0.66	YES	1.688e3	0.00000	4.5962	0.536

**Total Nona-PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-208	53.76	53.76	5.365e4	4.206e4	3.584e3	2.757e3	1.30	NO	6.342e3	23.213	23.213	0.537
2	PCB-207	54.10	54.10	2.872e4	2.092e4	1.689e3	1.232e3	1.37	NO	2.921e3	10.832	10.832	0.544
3	PCB-206	56.07	56.07	1.373e5	1.043e5	8.570e3	6.587e3	1.30	NO	1.516e4	73.387	73.387	0.700

**Deca-CB**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	PCB-209	57.30	57.32	2.382e5	2.043e5	1.335e4	1.135e4	1.18	NO	2.470e4	106.25	106.25	0.353

**Total PCBs**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1													

**Total Mono-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-1	15.42	15.41	2.234e7	7.293e6	1.280e6	4.169e5	3.07	NO	1.697e6	2132.8		2.61
2	13C-PCB-3	18.05	18.03	2.077e7	6.689e6	1.235e6	3.908e5	3.16	NO	1.626e6	2050.6		2.62

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## Total Di-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-4	19.40	19.38	9.196e6	5.792e6	5.468e5	3.433e5	1.59	NO	8.902e5	1749.0		0.772
2	13C-PCB-9	21.21	21.19	1.415e7	9.496e6	9.004e5	5.832e5	1.54	NO	1.484e6	1820.4		0.482
3	13C-PCB-11	24.64	24.65	1.334e7	8.693e6	8.521e5	5.603e5	1.52	NO	1.412e6	1789.9		0.498
4	13C-PCB-15	25.39	25.36	1.650e7	1.041e7	1.040e6	6.502e5	1.60	NO	1.690e6	1990.2		0.463

## 2nd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-19	23.61	23.61	6.894e6	6.786e6	4.480e5	4.396e5	1.02	NO	8.875e5	2063.6		9.62
2	13C-PCB-32	26.60	26.59	9.961e6	9.516e6	6.283e5	6.217e5	1.01	NO	1.250e6	1994.6		6.60

## 3rd Function Tri-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-31	28.52	28.48	9.263e6	8.682e6	6.862e5	6.531e5	1.05	NO	1.339e6	1990.2		6.35
2	13C-PCB-28	28.59	28.59	8.626e6	8.478e6	6.591e5	6.544e5	1.01	NO	1.313e6	1842.1		6.00
3	13C-PCB-37	32.57	32.59	8.465e6	8.310e6	6.512e5	6.330e5	1.03	NO	1.284e6	1949.7		6.49

## Tetra-Isotopes

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-54	27.43	27.44	5.762e6	7.631e6	4.310e5	5.716e5	0.75	NO	1.003e6	1507.4		1.02
2	13C-PCB-52	31.09	31.09	4.881e6	6.324e6	3.703e5	4.815e5	0.77	NO	8.518e5	1597.6		1.27
3	13C-PCB-47	31.60	31.63	4.952e6	6.316e6	3.987e5	5.102e5	0.78	NO	9.088e5	1609.7		1.20
4	13C-PCB-70	35.23	35.24	6.397e6	8.303e6	5.018e5	6.536e5	0.77	NO	1.155e6	1737.1		1.02
5	13C-PCB-80	35.66	35.67	6.645e6	8.637e6	5.185e5	6.751e5	0.77	NO	1.194e6	1736.7		0.985
6	13C-PCB-60	36.54	36.50	7.485e6	9.741e6	5.896e5	7.596e5	0.78	NO	1.349e6	1990.2		0.999
7	13C-PCB-79	37.60	37.60	6.710e6	8.604e6	5.334e5	6.866e5	0.78	NO	1.220e6	1737.3		0.964
8	13C-PCB-81	38.86	38.87	6.558e6	8.392e6	5.151e5	6.589e5	0.78	NO	1.174e6	1740.7		1.00
9	13C-PCB-77	39.48	39.48	6.268e6	8.063e6	4.967e5	6.408e5	0.77	NO	1.137e6	1717.7		1.02

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**3rd Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-104	32.29	32.28	8.462e6	5.347e6	6.450e5	4.080e5	1.58	NO	1.053e6	1730.0		0.969
2	13C-PCB-95	35.53	35.53	6.390e6	4.036e6	4.907e5	3.105e5	1.58	NO	8.012e5	1696.7		1.25
3	13C-PCB-101	37.28	37.28	6.922e6	4.523e6	5.351e5	3.496e5	1.53	NO	8.847e5	1752.9		1.17
4	13C-PCB-97	38.62	38.62	5.657e6	3.637e6	4.510e5	2.959e5	1.52	NO	7.469e5	1814.9		1.43
5	13C-PCB-111	39.11	39.07	9.147e6	5.920e6	7.360e5	4.701e5	1.57	NO	1.206e6	1990.2		0.974
6	13C-PCB-123	41.26	41.27	8.150e6	5.089e6	6.531e5	4.063e5	1.61	NO	1.059e6	1802.1		1.00
7	13C-PCB-118	41.45	41.47	7.815e6	5.114e6	6.394e5	4.173e5	1.53	NO	1.057e6	1741.8		0.973

**4th Function Penta-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-114	42.14	42.15	6.043e6	3.863e6	4.996e5	3.204e5	1.56	NO	8.200e5	1549.2		1.39
2	13C-PCB-105	43.02	43.02	6.588e6	3.879e6	5.217e5	3.092e5	1.69	NO	8.309e5	1525.8		1.35
3	13C-PCB-127	43.39	43.38	6.701e6	4.378e6	5.463e5	3.572e5	1.53	NO	9.035e5	1593.3		1.29
4	13C-PCB-126	45.33	45.33	6.319e6	4.055e6	5.278e5	3.360e5	1.57	NO	8.638e5	1535.3		1.30

**4th Function Hexa-Isotopes**

	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-153	43.20	43.19	5.382e6	4.333e6	4.379e5	3.466e5	1.26	NO	7.844e5	1747.1		2.23
2	13C-PCB-141	43.97	43.97	4.591e6	3.597e6	3.721e5	2.927e5	1.27	NO	6.647e5	1793.4		2.70
3	13C-PCB-138	44.82	44.82	4.911e6	3.980e6	3.970e5	3.212e5	1.24	NO	7.183e5	1822.4		2.54
4	13C-PCB-159	46.16	46.17	5.683e6	4.499e6	4.801e5	3.802e5	1.26	NO	8.603e5	1804.7		2.10
5	13C-PCB-128	46.47	46.43	4.708e6	3.738e6	3.791e5	3.015e5	1.26	NO	6.807e5	1990.2		2.93
6	13C-PCB-167	46.86	46.87	6.016e6	4.872e6	4.949e5	4.006e5	1.24	NO	8.955e5	1836.0		2.05
7	13C-PCB-156	48.20	48.19	5.760e6	4.586e6	4.651e5	3.703e5	1.26	NO	8.354e5	1824.1		2.19
8	13C-PCB-157	48.46	48.48	5.532e6	4.465e6	4.679e5	3.782e5	1.24	NO	8.461e5	1820.4		2.15
9	13C-PCB-169	50.73	50.75	5.559e6	4.408e6	4.728e5	3.837e5	1.23	NO	8.565e5	1880.2		2.20

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5th Function Octa-Isotopes

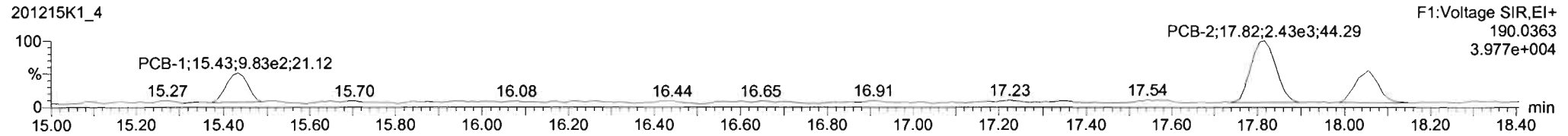
	Name	Pred.R...	RT	m1 Height	m2 Height	m1 Resp	m2 Resp	RA	n/y	Resp	Conc.	EMPC	DL
1	13C-PCB-194	54.52	54.51	3.988e6	4.435e6	2.279e5	2.578e5	0.88	NO	4.857e5	1948.3		1.65
2	13C-PCB-205	54.81	54.78	5.675e6	6.383e6	3.284e5	3.705e5	0.89	NO	6.989e5	1990.2		1.17

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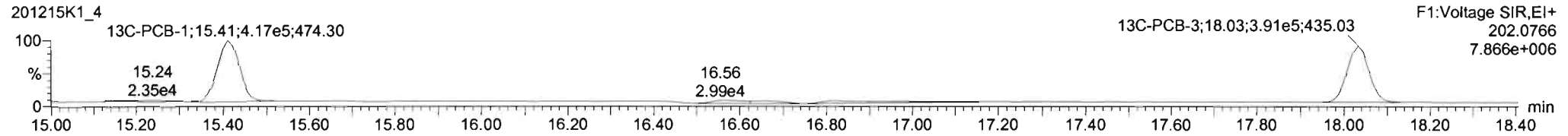
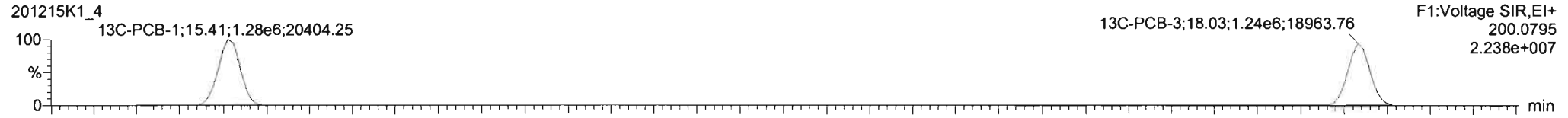
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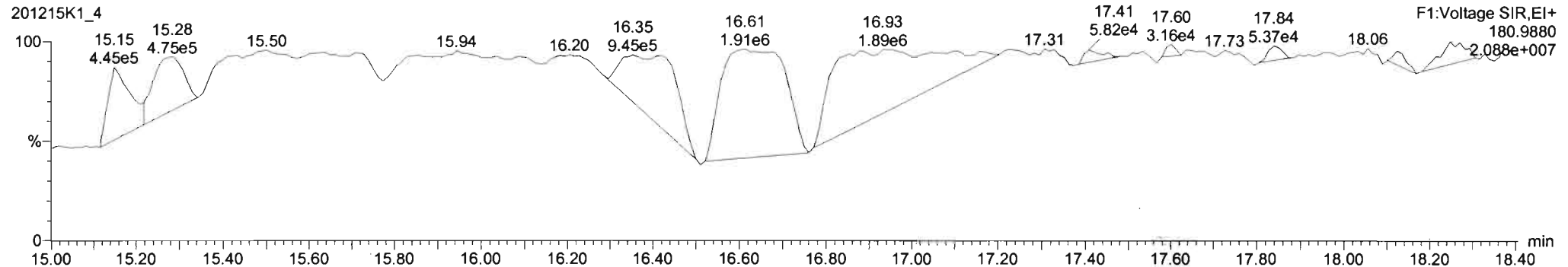
**PCB-1**



**13C-PCB-1**



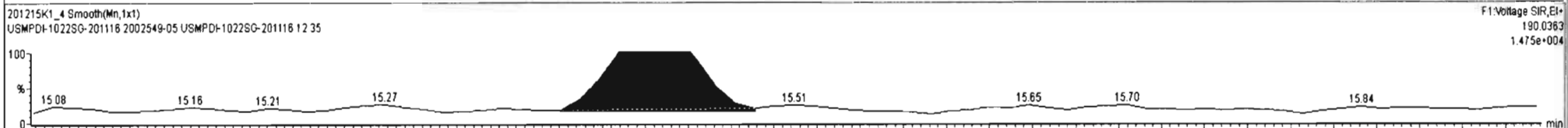
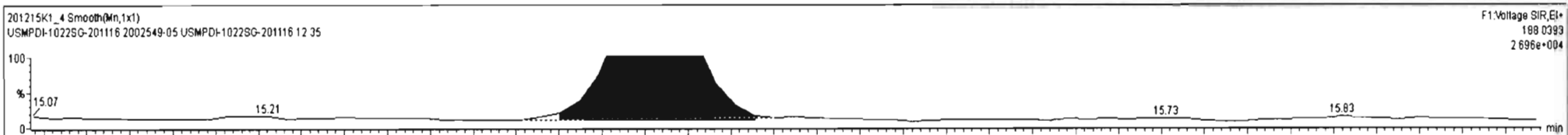
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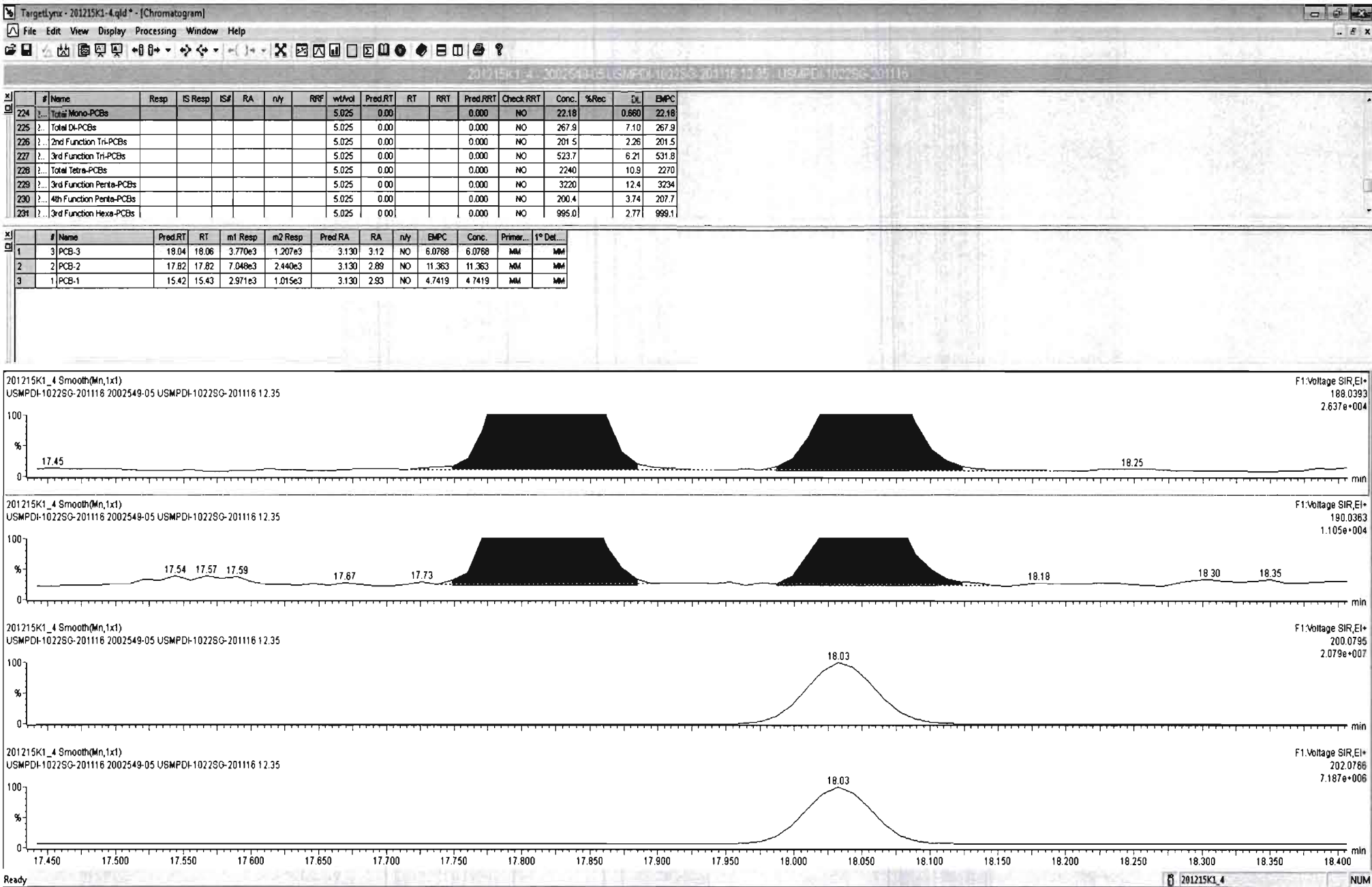


201215K1\_4\_2002549-05 USMPDH-1022SG-201116 12.35 USMPDH-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	nly	RPF	wt/Vol	Pred.RT	RT	FRT	Pred.RRT	Check.RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	267.9		7.10	267.9
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	523.7		6.21	531.8
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2240		10.9	2270
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3220		12.4	3234
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	895.0		2.77	999.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	nly	EMPC	Conc.	Primar...	1* Det...
1	3 PCB-3	18.04	18.06	3.770e3	1.207e3	3.130	3.12	NO	6.0768	6.0768	MM	MM
2	2 PCB-2	17.82	17.82	7.048e3	2.440e3	3.130	2.89	NO	11.363	11.363	MM	MM
3	1 PCB-1	15.42	15.43	2.971e3	1.015e3	3.130	2.93	NO	4.7419	4.7419	MM	MM





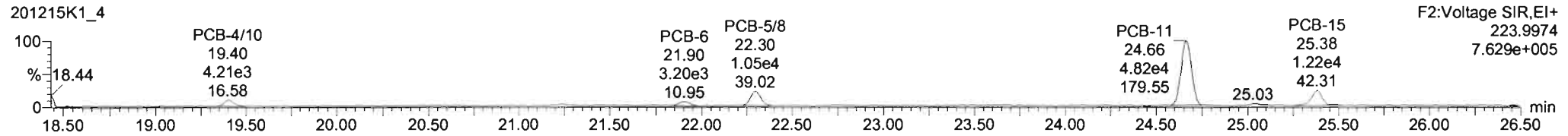
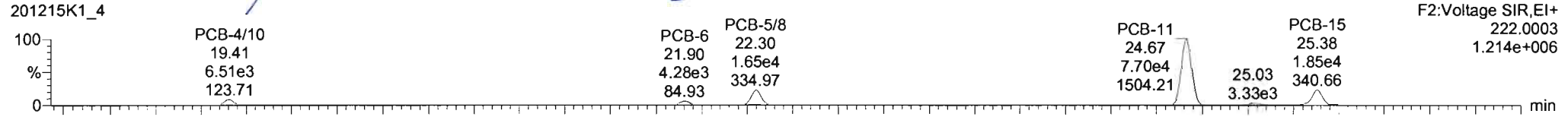


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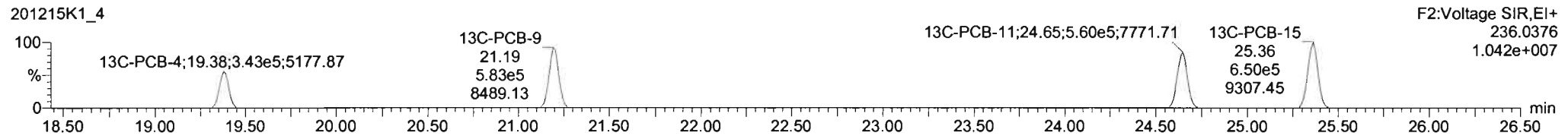
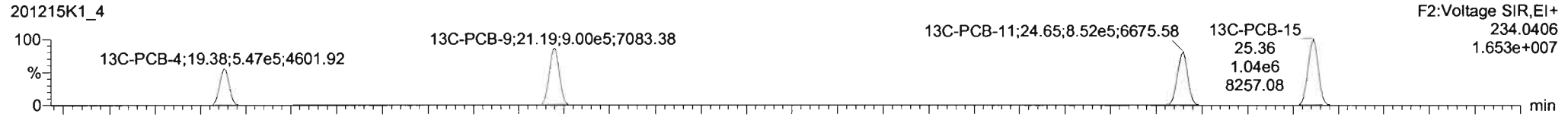
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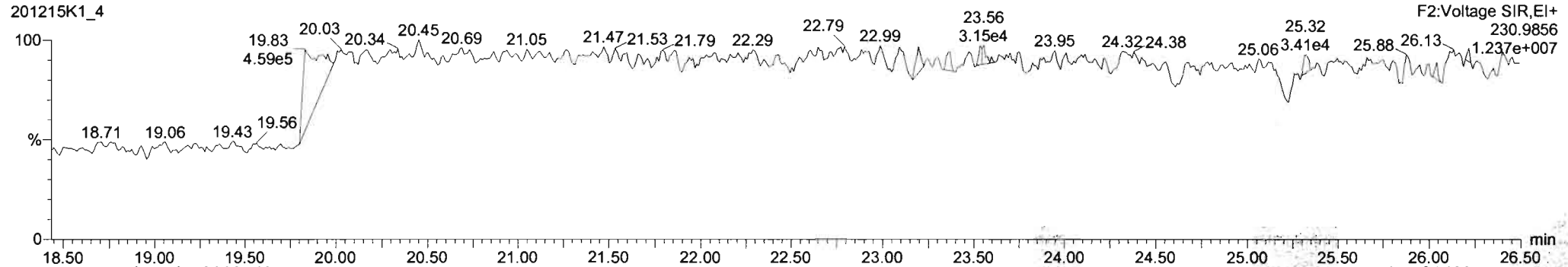
**PCB-4/10**



**13C-PCB-4**



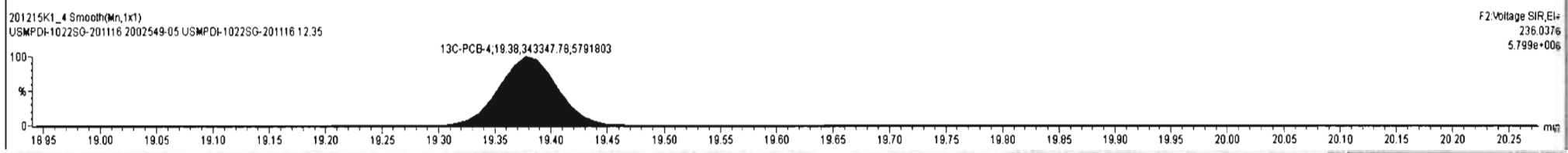
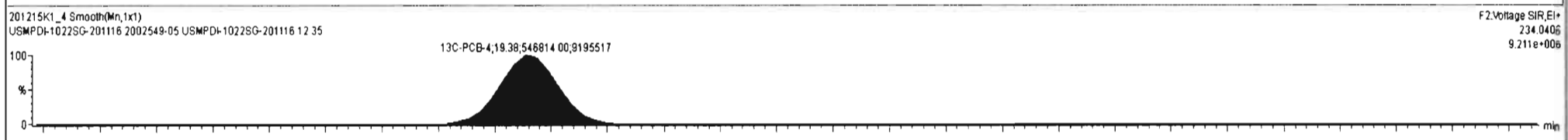
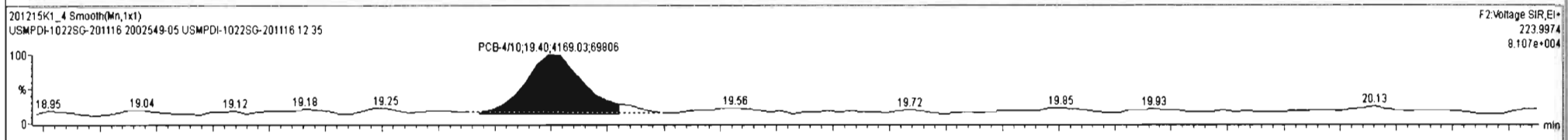
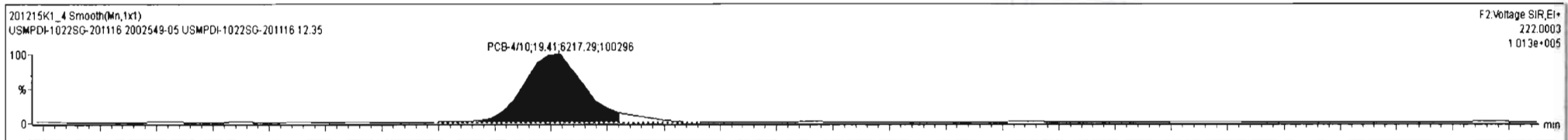
**PFK2a**



201215K1\_4: 2002549-05 USMPDI-1022SG-201116 12 35 USMPDI-1022SG-201116

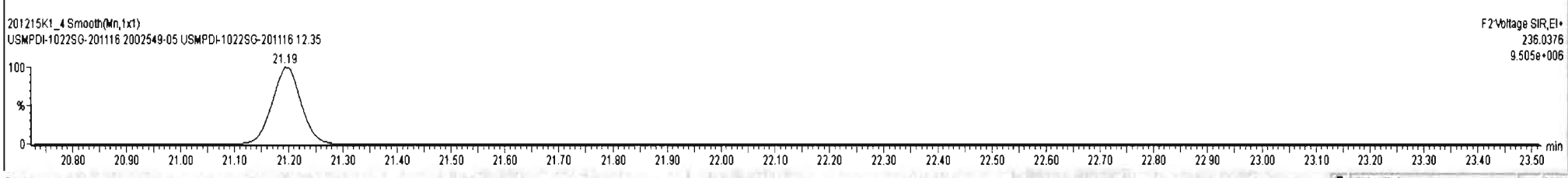
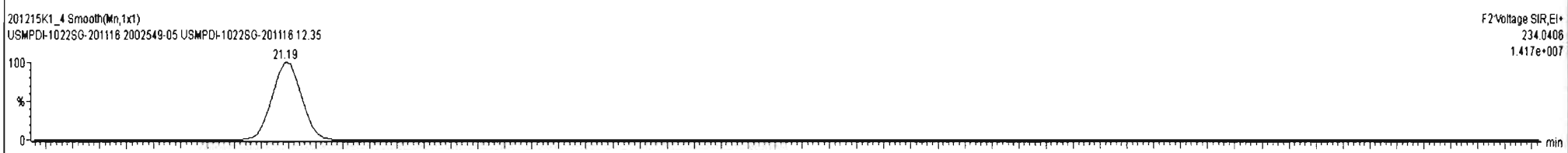
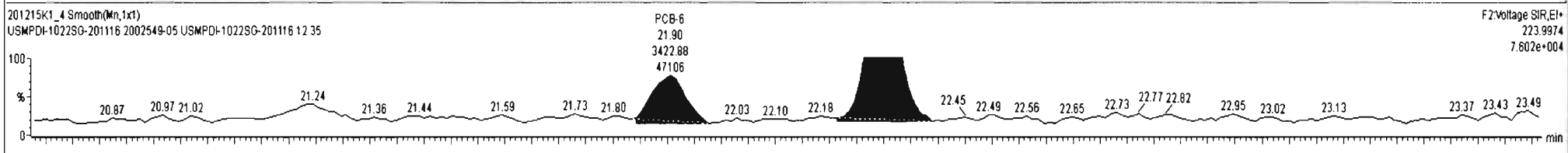
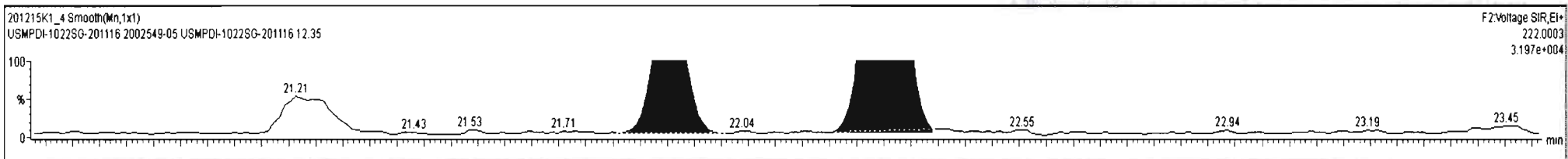
#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	w/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	523.7		6.21	531.8
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2240		10.9	2270
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3220		12.4	3234
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

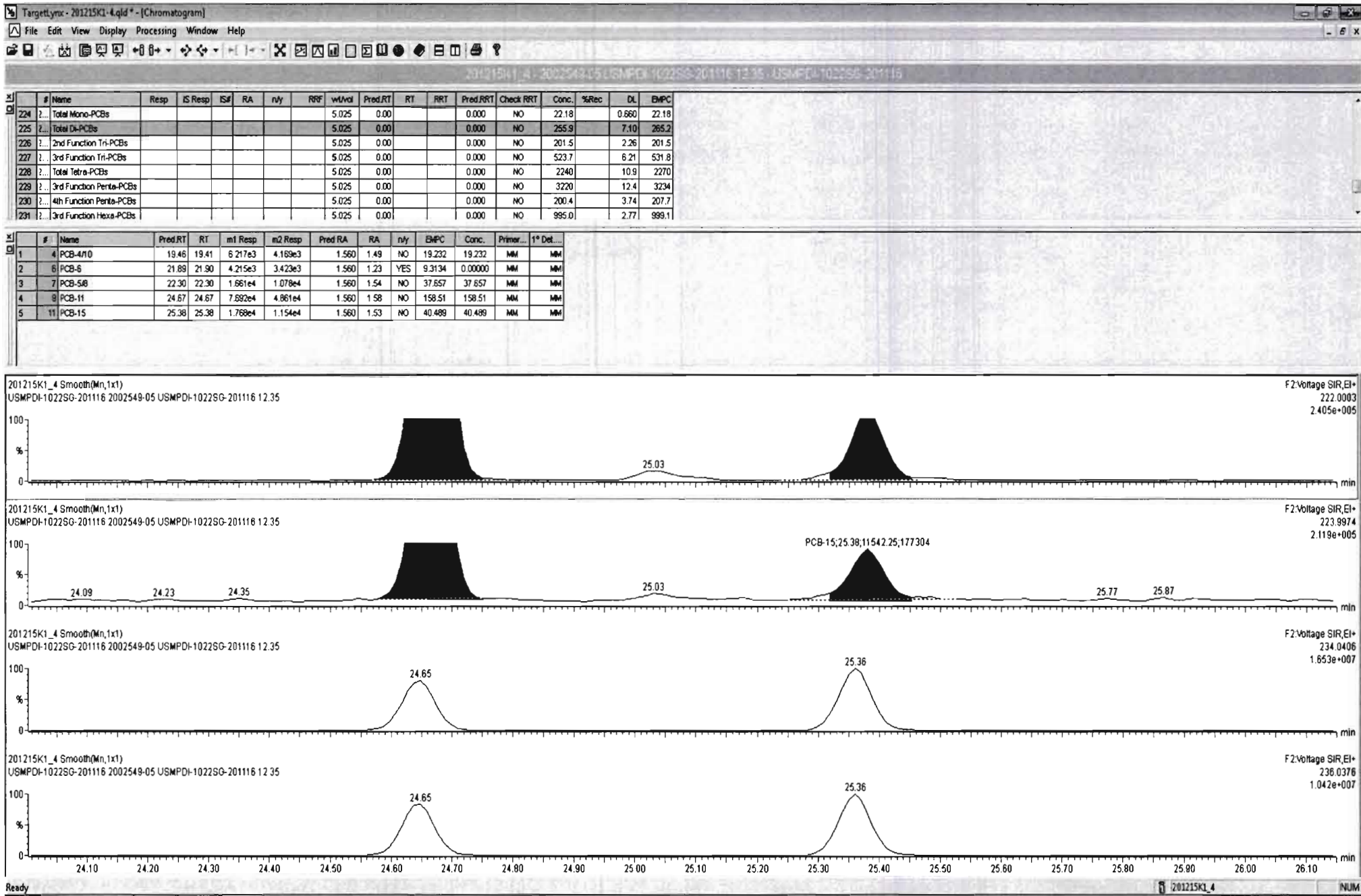
#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1* Det...
1	4 PCB-4/10	19.46	19.41	6.217e3	4.169e3	1.560	1.49	NO	19.232	19.232	MM	MM
2	6 PCB-6	21.89	21.90	4.215e3	3.423e3	1.560	1.23	YES	9.3134	0.00000	MM	MM
3	7 PCB-5/8	22.30	22.30	1.861e4	1.078e4	1.560	1.54	NO	37.857	37.857	MM	MM
4	9 PCB-11	24.67	24.67	7.692e4	4.861e4	1.560	1.58	NO	158.51	158.51	MM	MM
5	11 PCB-15	25.38	25.38	1.768e4	1.154e4	1.560	1.53	NO	40.489	40.489	MM	MM



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	523.7		6.21	531.8
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2240		10.9	2270
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3220		12.4	3234
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	PCB-4/10	19.46	19.41	6.217e3	4.169e3	1.560	1.49	NO	19.232	19.232	MM	MM
2	PCB-6	21.89	21.90	4.215e3	3.423e3	1.560	1.23	YES	9.3134	0.00000	MM	MM
3	PCB-5/8	22.30	22.30	1.661e4	1.078e4	1.560	1.54	NO	37.657	37.657	MM	MM
4	PCB-11	24.67	24.67	7.892e4	4.861e4	1.560	1.58	NO	158.51	158.51	MM	MM
5	PCB-15	25.38	25.38	1.768e4	1.154e4	1.560	1.53	NO	40.489	40.489	MM	MM



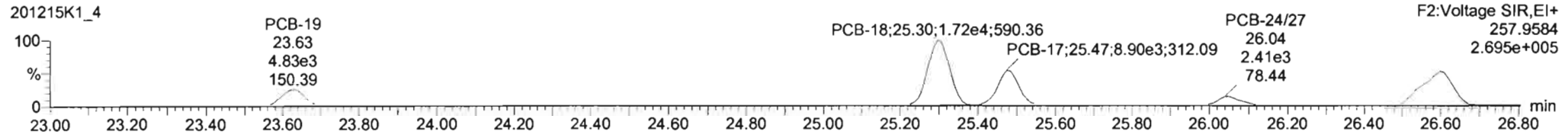
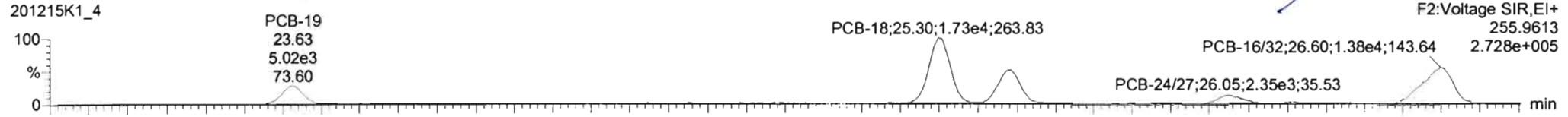


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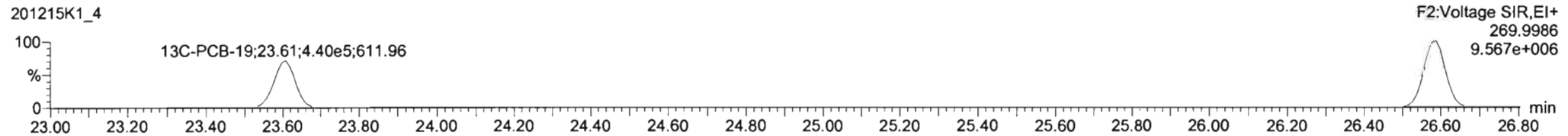
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

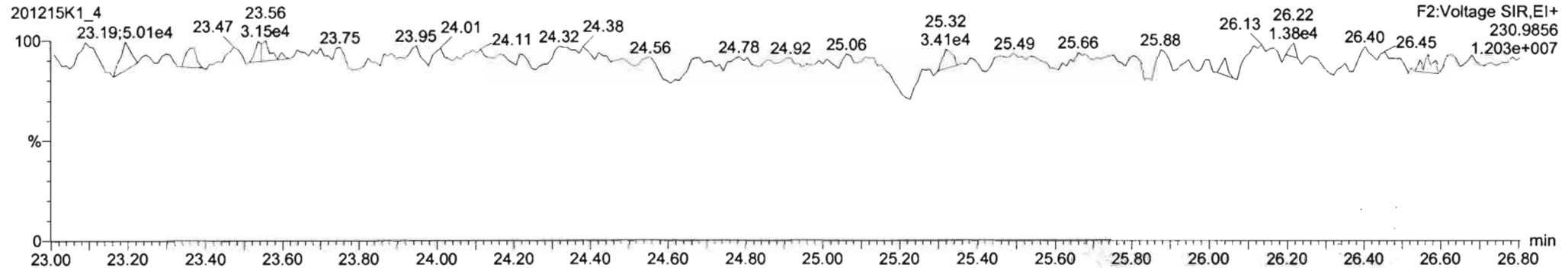
**PCB-19**



**13C-PCB-19**



**PFK2b**

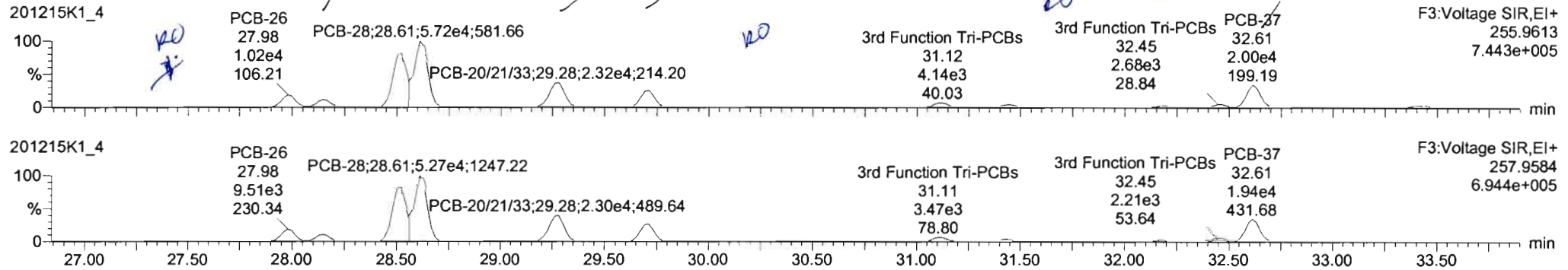


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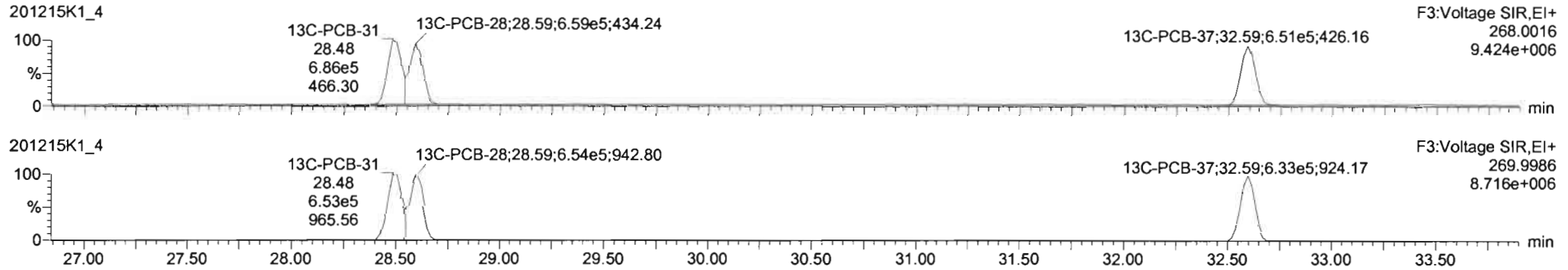
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
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Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

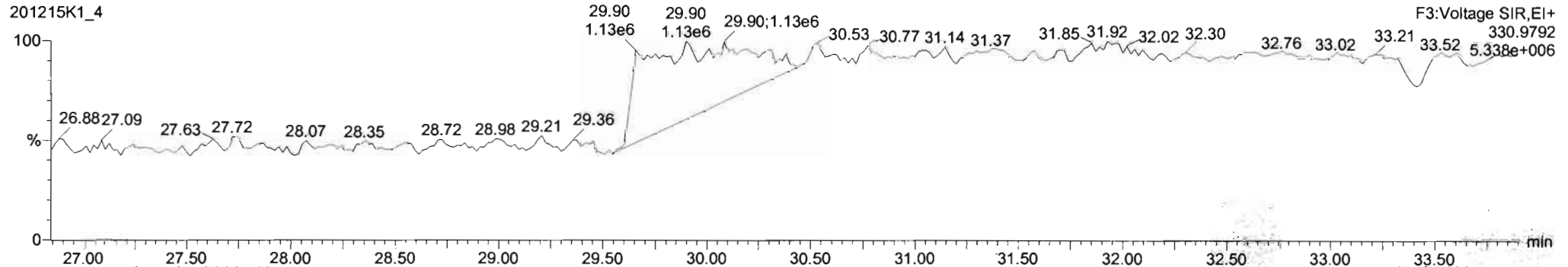
**PCB-34**



**13C-PCB-28**



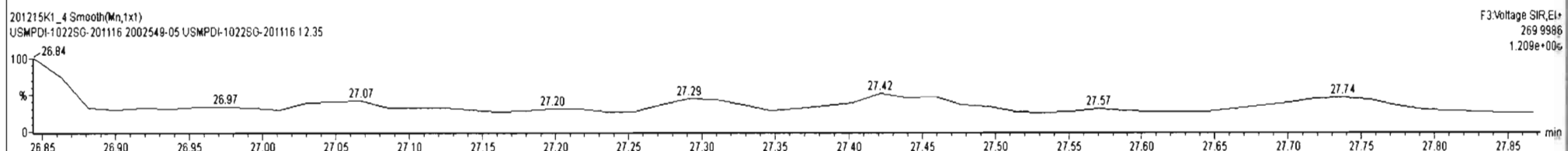
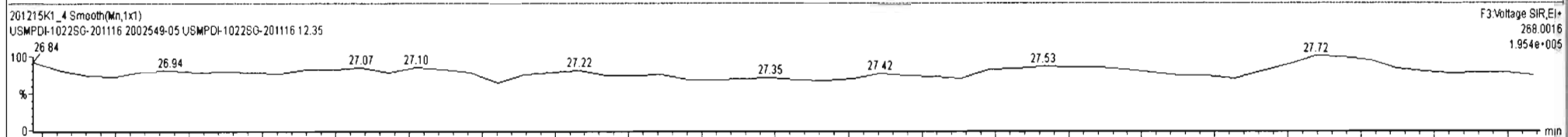
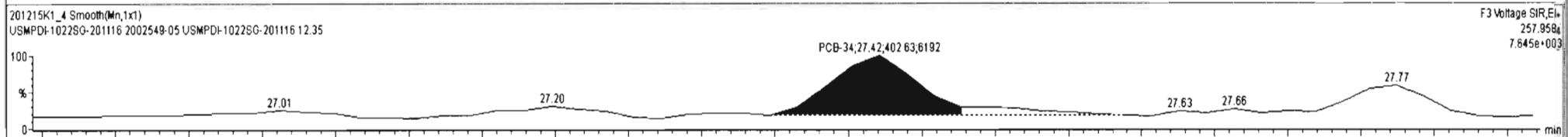
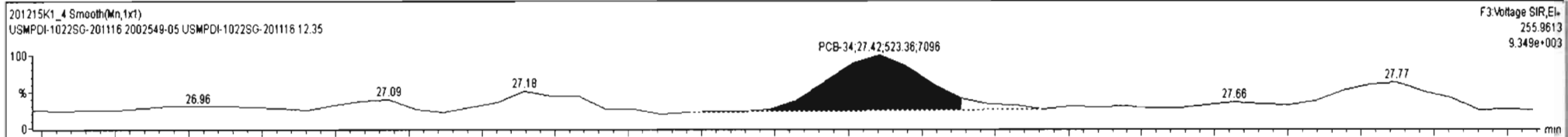
**PFK3d**



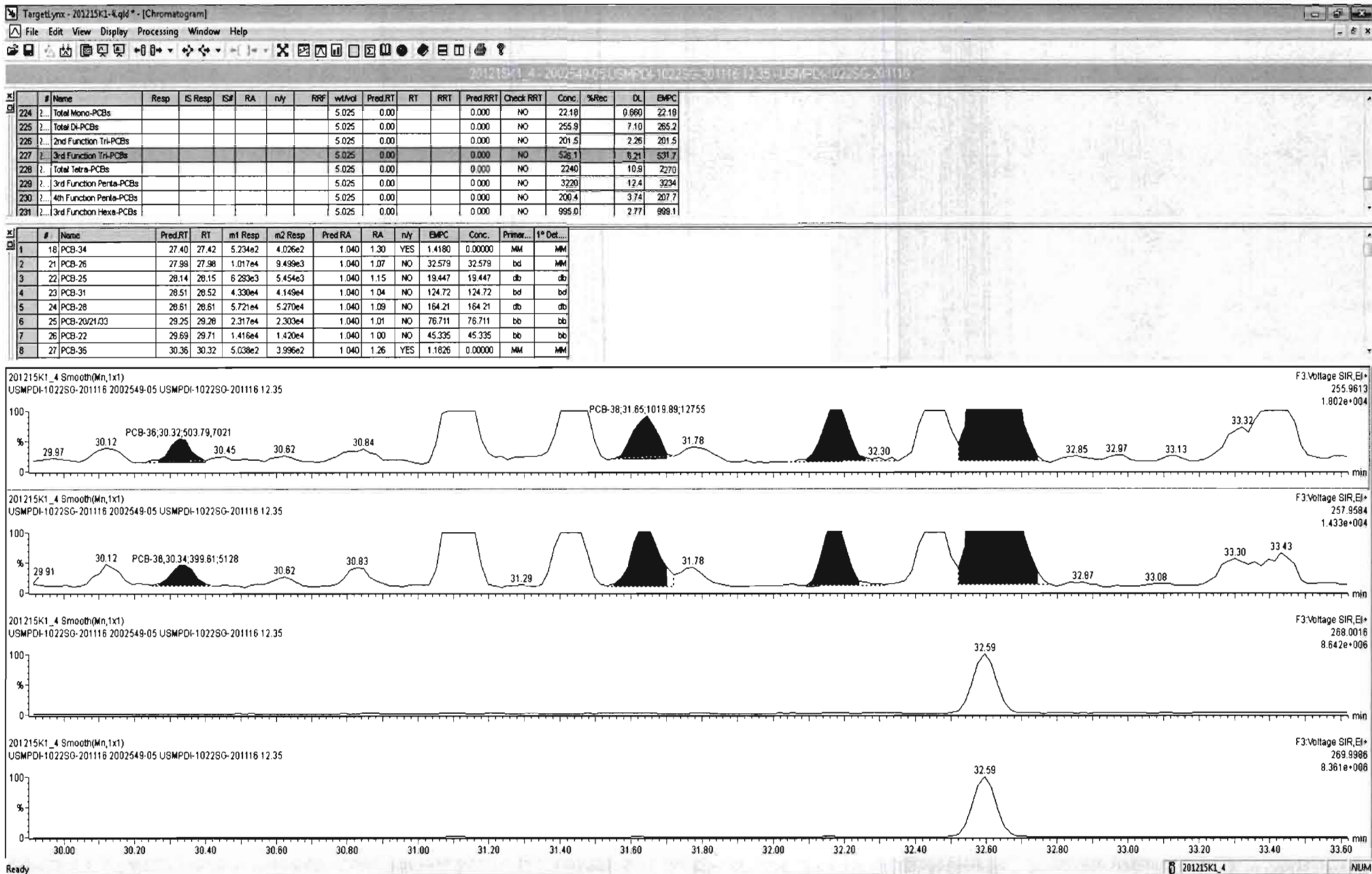
201215K1\_4 - 2002549-05 USMPDI-10225G-201116 12.35 - USMPDI-10225G-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/nd	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1		6.21	531.7
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2240		10.9	2270
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3220		12.4	3234
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det....
1	18 PCB-34	27.40	27.42	5.234e2	4.026e2	1.040	1.30	YES	1.4180	0.00000	MM	MM
2	21 PCB-26	27.99	27.98	1.017e4	9.499e3	1.040	1.07	NO	32.579	32.579	bd	MM
3	22 PCB-25	28.14	28.15	6.293e3	5.454e3	1.040	1.15	NO	19.447	19.447	db	db
4	23 PCB-31	28.51	28.52	4.330e4	4.149e4	1.040	1.04	NO	124.72	124.72	bd	bd
5	24 PCB-28	28.61	28.61	5.721e4	5.270e4	1.040	1.09	NO	164.21	164.21	db	db
6	25 PCB-20/21/33	29.25	29.26	2.317e4	2.303e4	1.040	1.01	NO	76.711	76.711	bb	bb
7	26 PCB-22	29.69	29.71	1.416e4	1.420e4	1.040	1.00	NO	45.335	45.335	bb	bb
8	27 PCB-36	30.36	30.32	5.038e2	3.996e2	1.040	1.26	YES	1.1826	0.00000	MM	MM



Custom Reporting: Select reports to generate





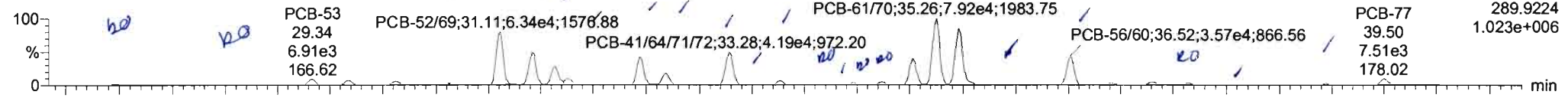
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

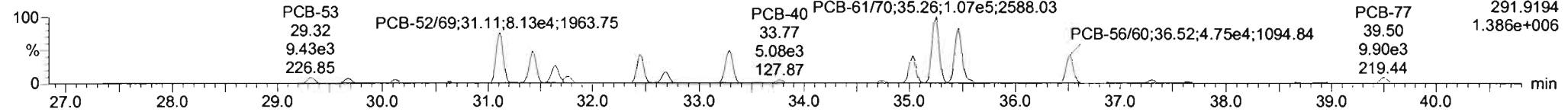
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**PCB-54**

201215K1\_4

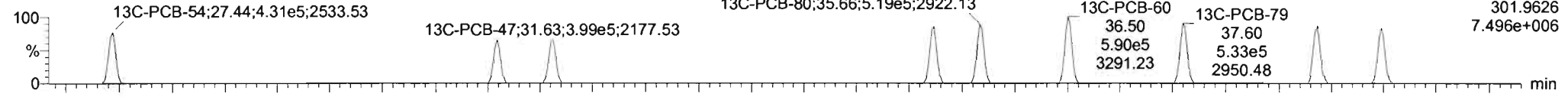


201215K1\_4

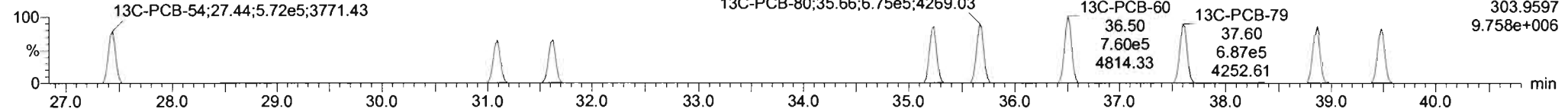


**13C-PCB-54**

201215K1\_4

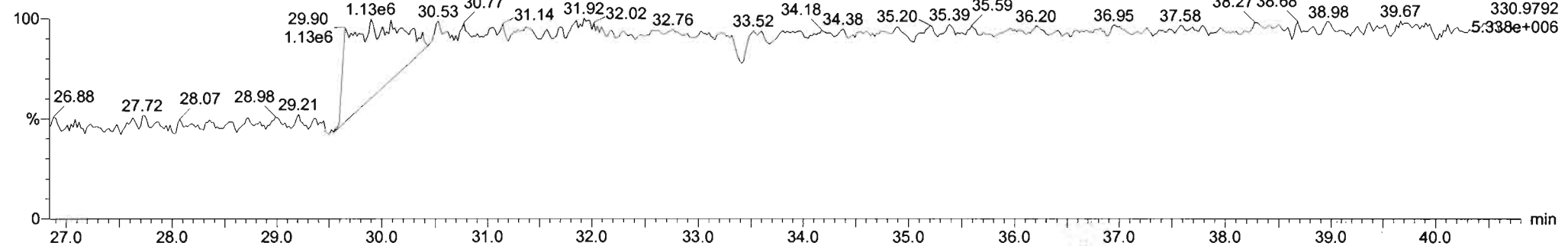


201215K1\_4



**PFK3a**

201215K1\_4



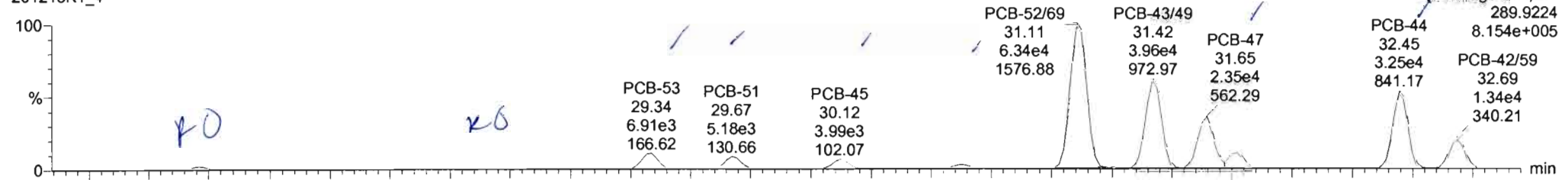
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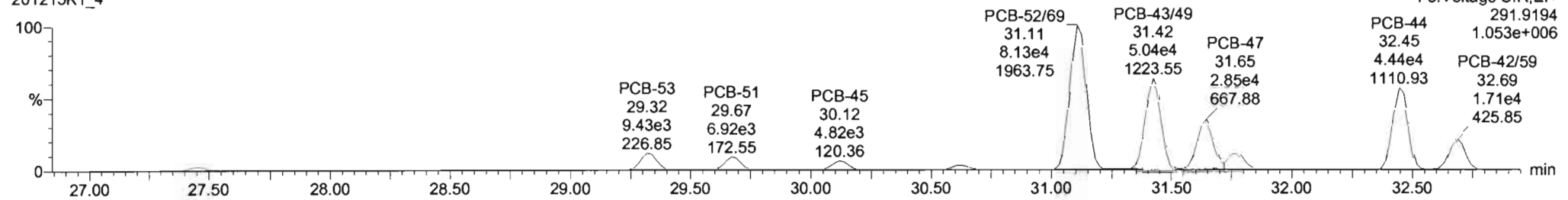
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PCB-50

201215K1\_4

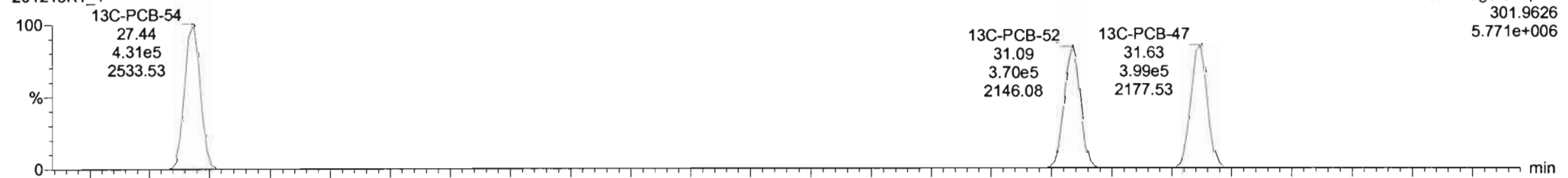


201215K1\_4

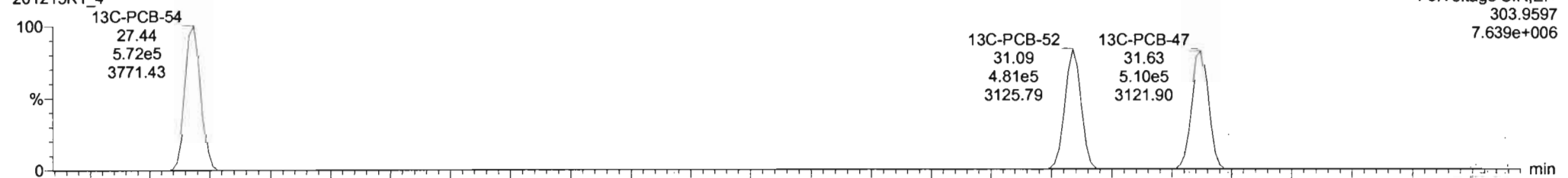


13C-PCB-52

201215K1\_4



201215K1\_4



TargetLynx - 201215K1-4.qld\* - [Chromatogram]

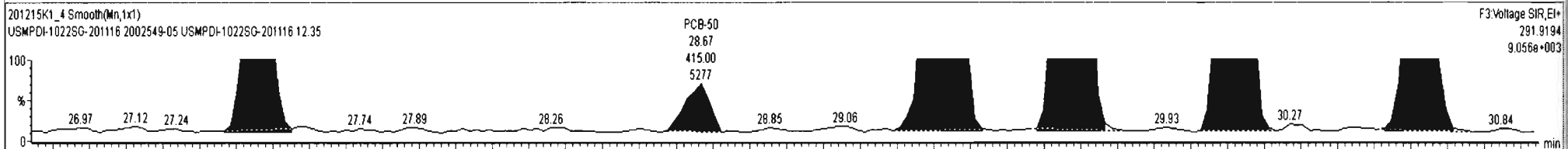
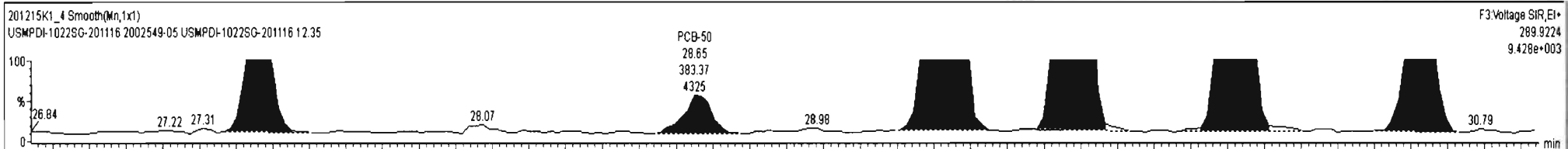
File Edit View Display Processing Window Help

201215K1\_4\_2002549-05 USMPDI-1022SG-201116 12.35 - USMPDI-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	w/wd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1		6.21	531.7
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2233		10.9	2259
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3220		12.4	3234
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

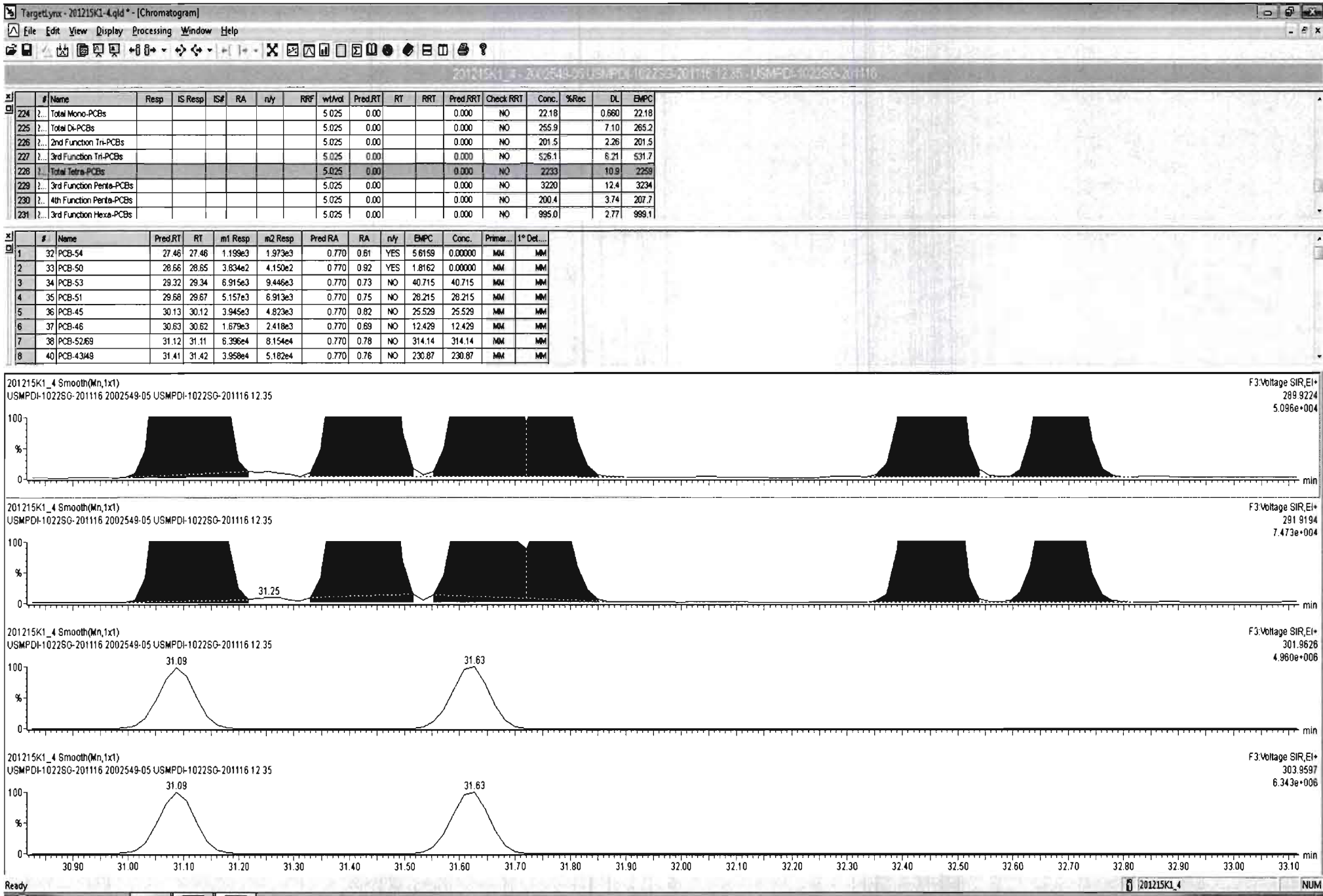
#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1* Det....
1	32 PCB-54	27.46	27.46	1.199e3	1.973e3	0.770	0.61	YES	5.6159	0.00000	MM	MM
2	33 PCB-50	28.66	28.65	3.834e2	4.150e2	0.770	0.92	YES	1.8162	0.00000	MM	MM
3	34 PCB-53	29.32	29.34	6.915e3	9.446e3	0.770	0.73	NO	40.715	40.715	MM	MM
4	35 PCB-51	29.68	29.67	5.157e3	6.913e3	0.770	0.75	NO	28.215	28.215	MM	MM
5	36 PCB-45	30.13	30.12	3.945e3	4.823e3	0.770	0.62	NO	25.529	25.529	MM	MM
6	37 PCB-46	30.63	30.62	1.679e3	2.418e3	0.770	0.69	NO	12.429	12.429	MM	MM
7	38 PCB-5269	31.12	31.11	6.396e4	8.154e4	0.770	0.78	NO	314.14	314.14	MM	MM
8	40 PCB-4349	31.41	31.42	3.958e4	5.182e4	0.770	0.76	NO	230.87	230.87	MM	MM



Ready

201215K1\_4

NUM



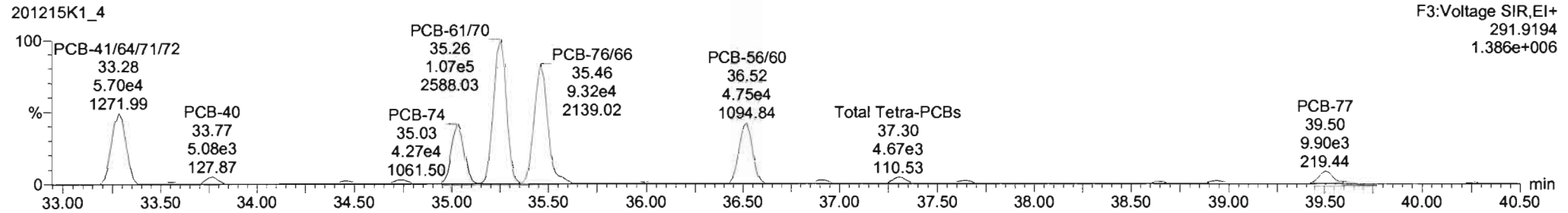
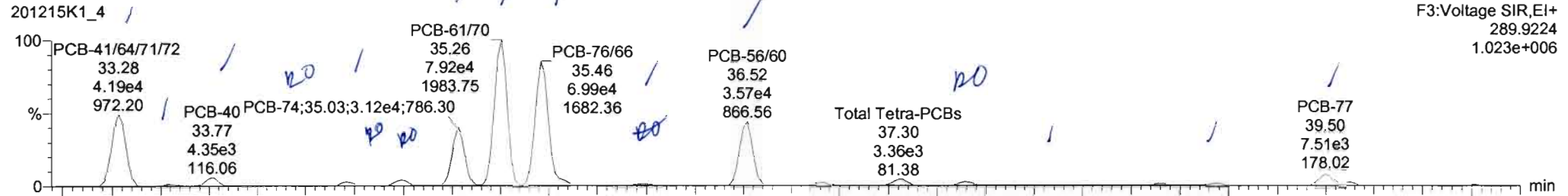
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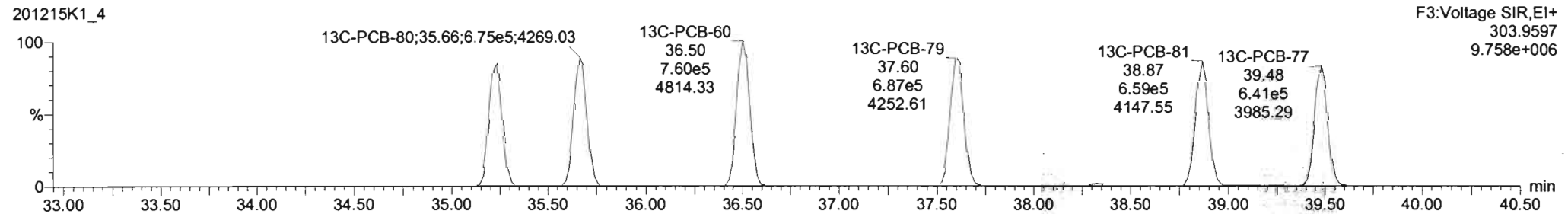
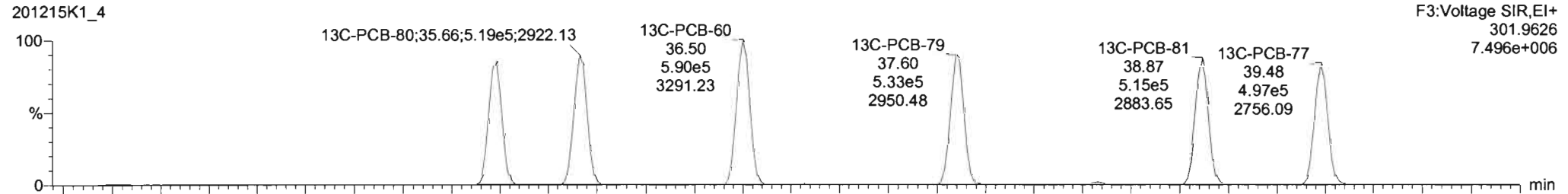
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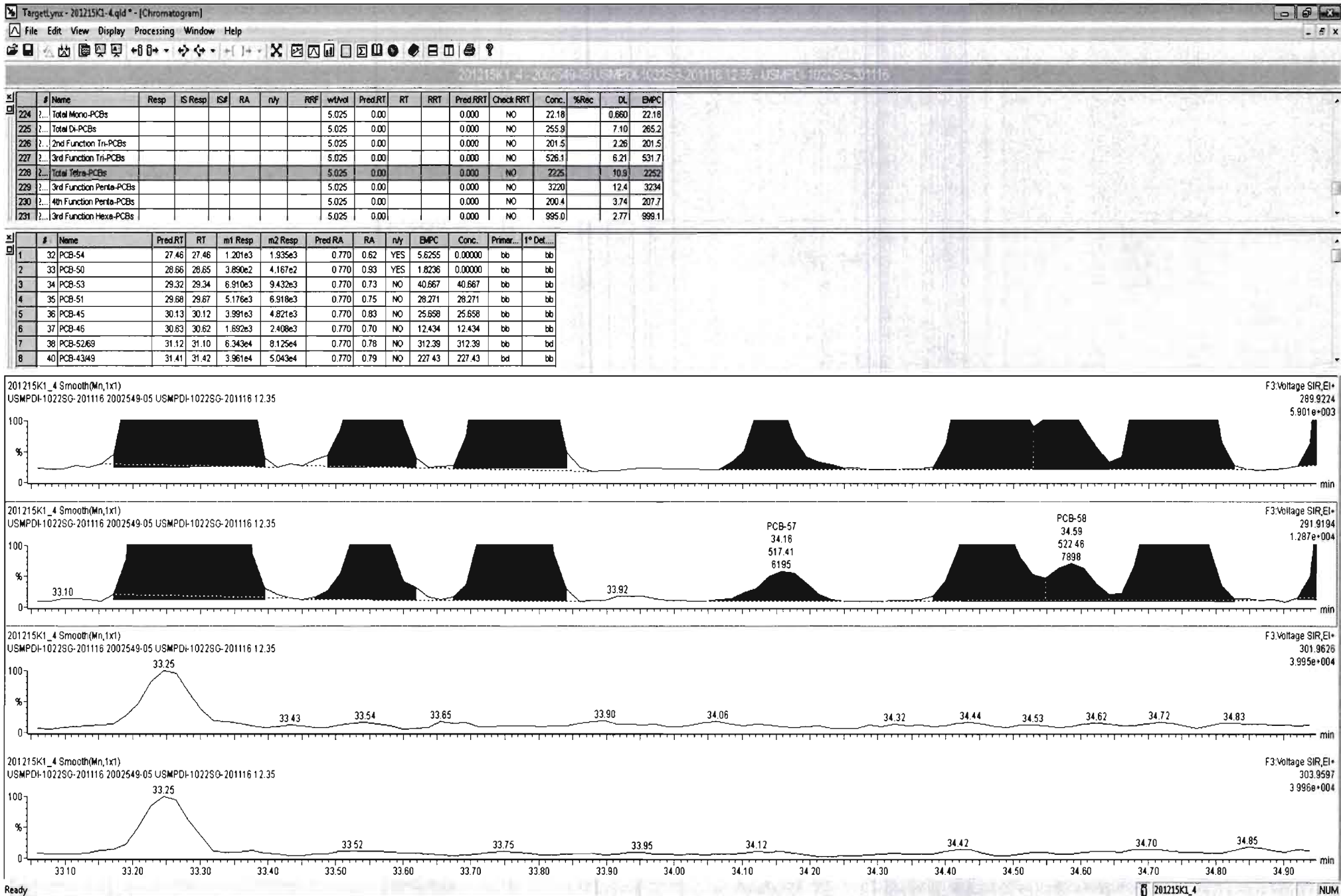
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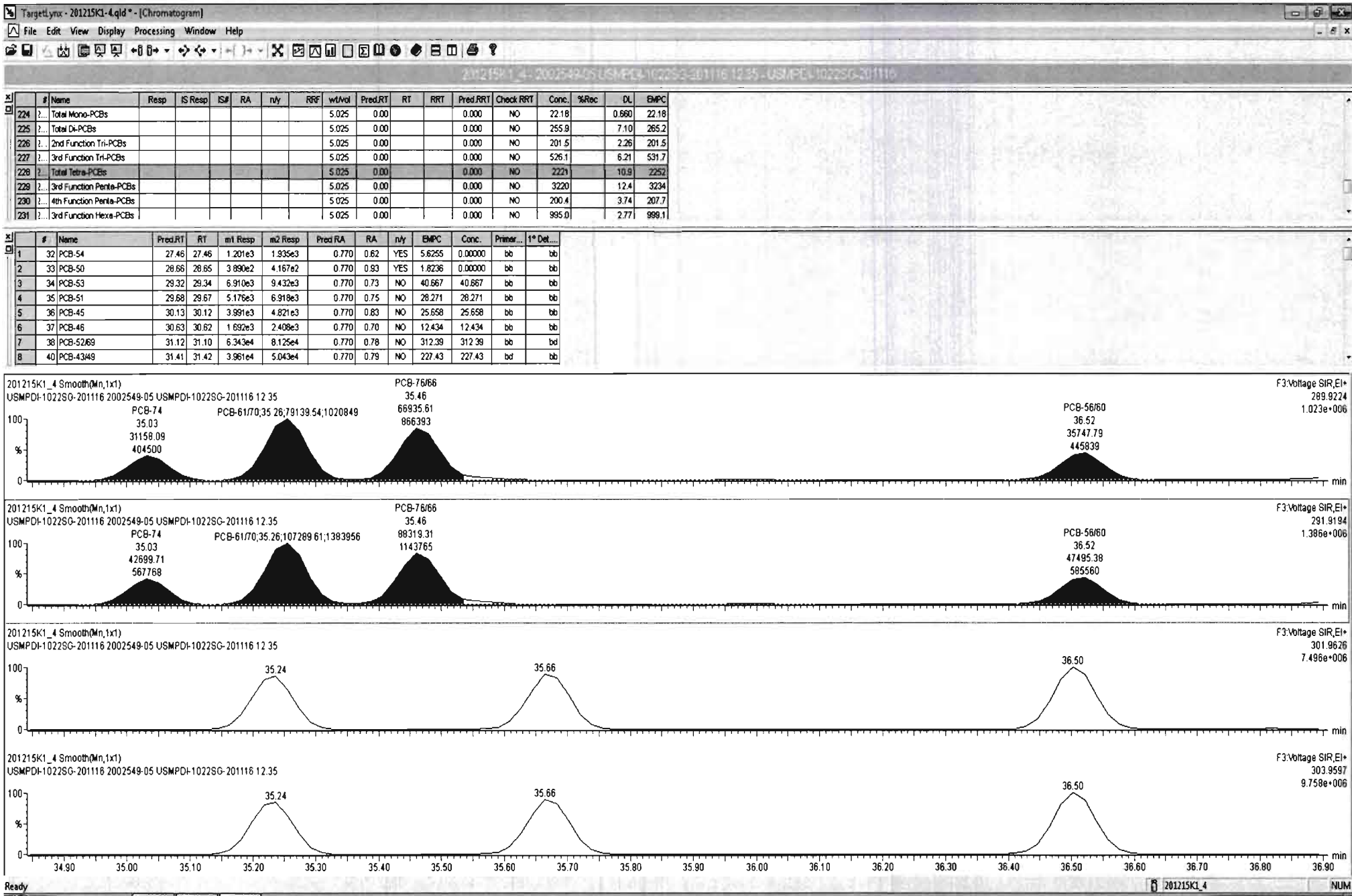
PCB-68

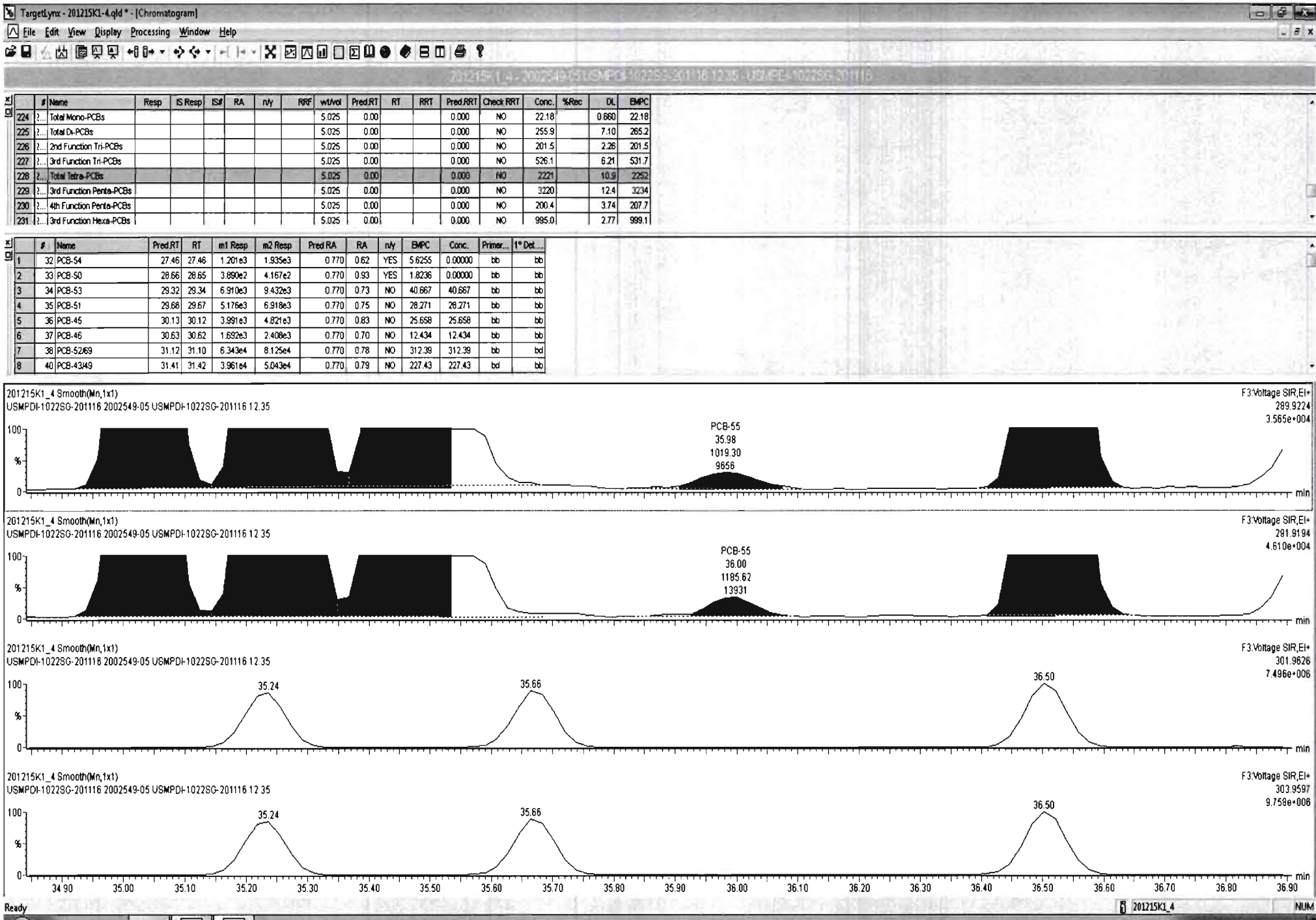


13C-PCB-60







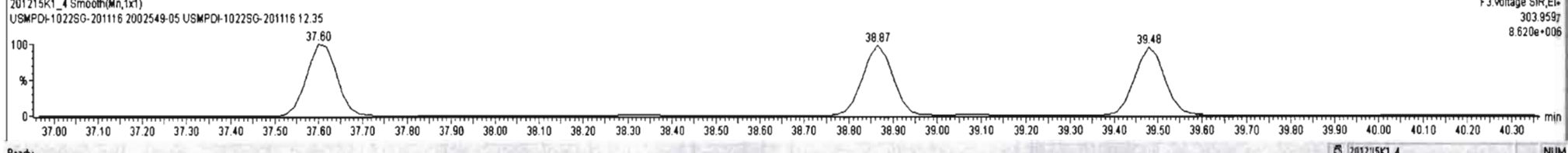
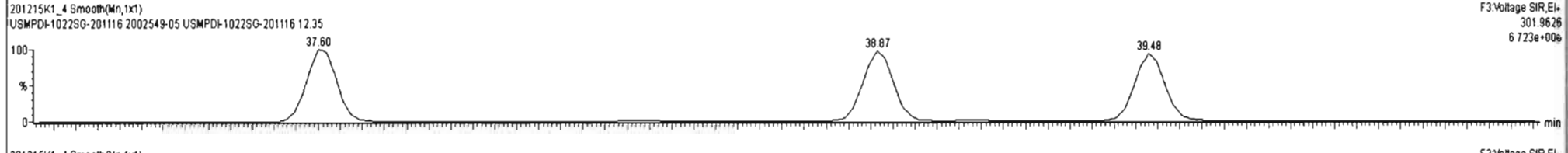
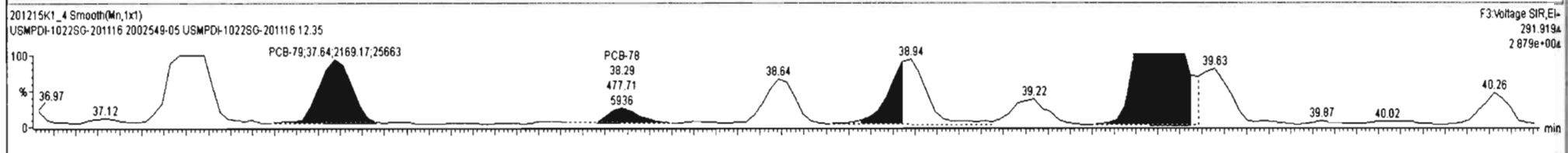
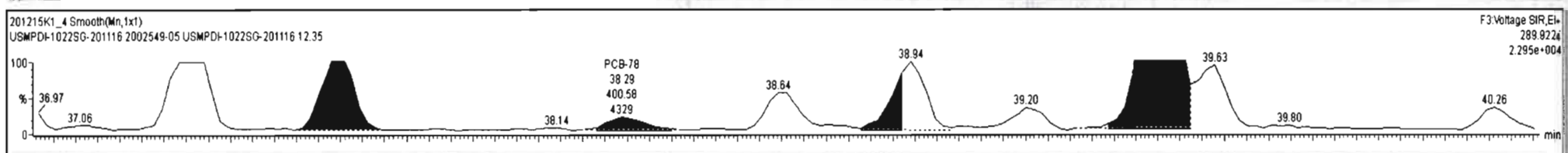




201215K1\_4\_2002549-05 USMPDI-1022SG-201116 12.35 - USMPDI-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	nly	RRT	wLvl	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1		6.21	531.7
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2234		10.9	2265
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3220		12.4	3234
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	nly	EMPC	Conc.	Primar...	1* Det....
1	32 PCB-54	27.46	27.46	1.201e3	1.935e3	0.770	0.62	YES	5.6255	0.00000	bb	bb
2	33 PCB-50	28.66	28.65	3.890e2	4.167e2	0.770	0.93	YES	1.8236	0.00000	bb	bb
3	34 PCB-53	29.32	29.34	6.910e3	9.432e3	0.770	0.73	NO	40.667	40.667	bb	bb
4	35 PCB-51	29.68	29.67	5.176e3	6.918e3	0.770	0.75	NO	26.271	26.271	bb	bb
5	36 PCB-45	30.13	30.12	3.991e3	4.821e3	0.770	0.83	NO	25.658	25.658	bb	bb
6	37 PCB-46	30.63	30.62	1.692e3	2.408e3	0.770	0.70	NO	12.434	12.434	bb	bb
7	38 PCB-5269	31.12	31.10	6.343e4	8.125e4	0.770	0.78	NO	312.39	312.39	bb	bd
8	40 PCB-4349	31.41	31.42	3.961e4	5.043e4	0.770	0.79	NO	227.43	227.43	bd	bb



Dataset: Untitled

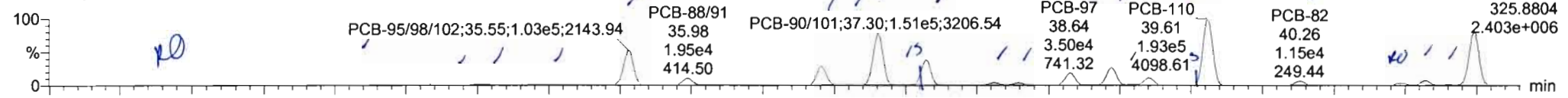
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

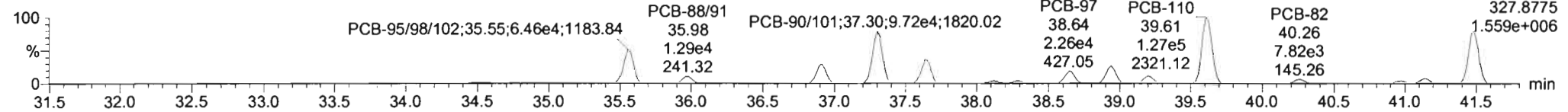
Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

**PCB-104**

201215K1\_4

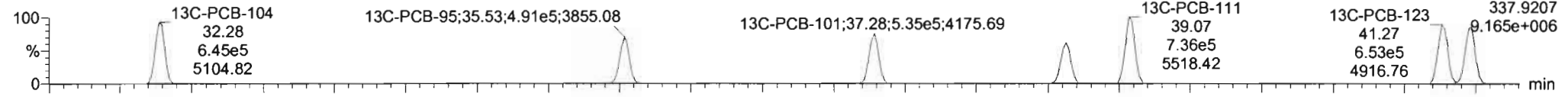


201215K1\_4

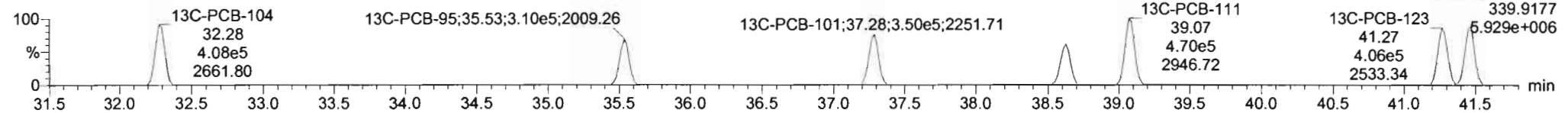


**13C-PCB-104**

201215K1\_4

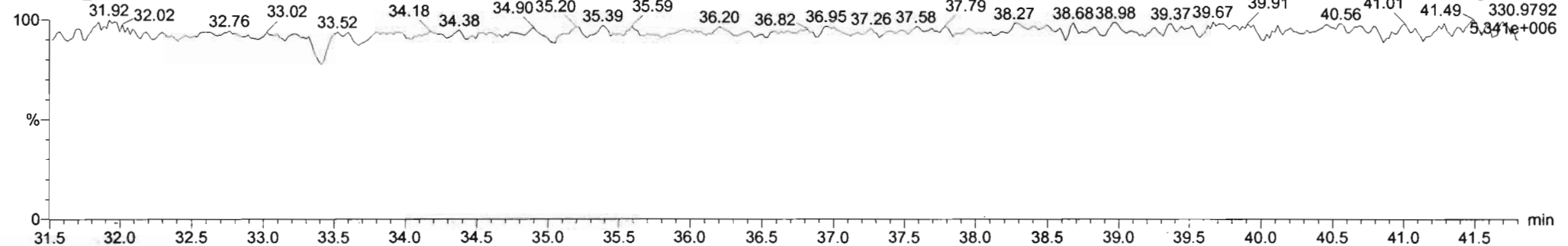


201215K1\_4



**PFK3b**

201215K1\_4



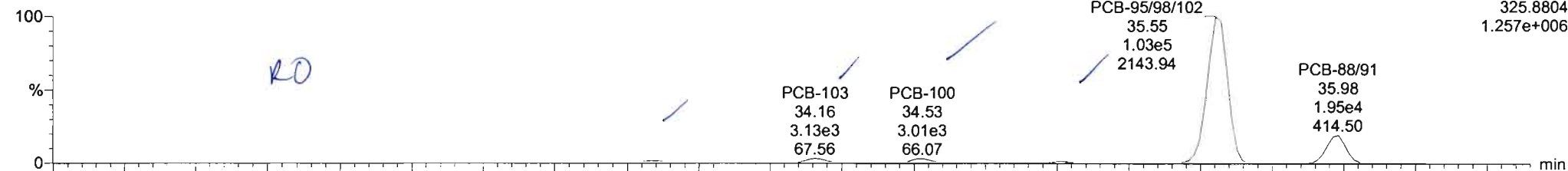
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

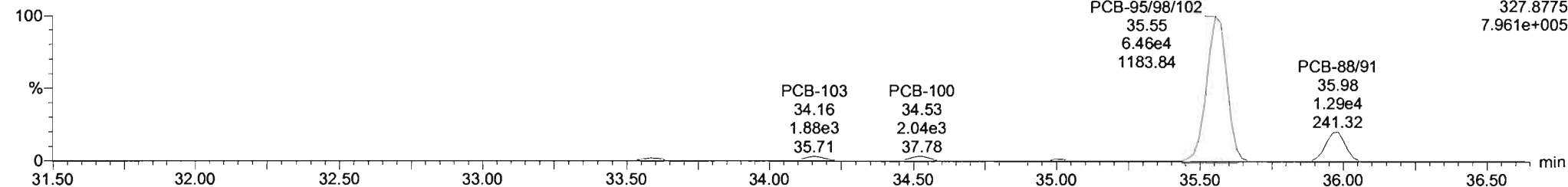
Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

**PCB-96**

201215K1\_4

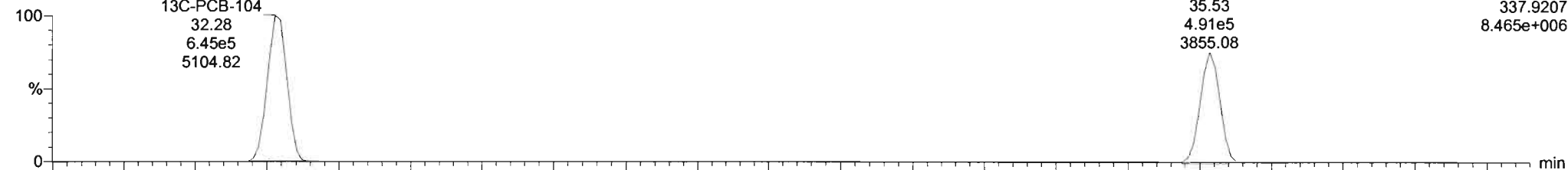


201215K1\_4

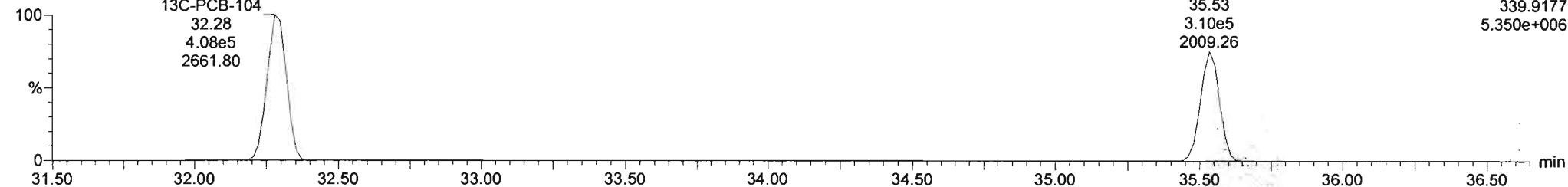


**13C-PCB-95**

201215K1\_4

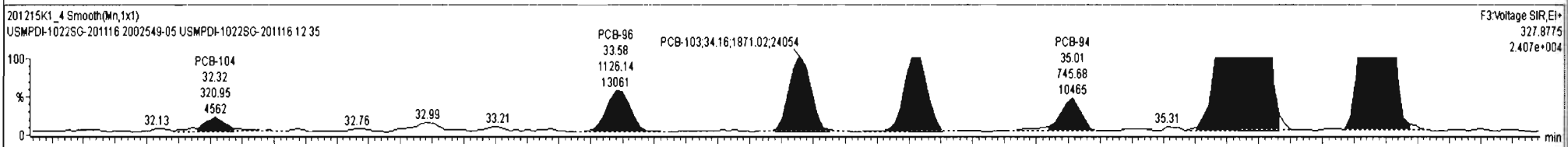
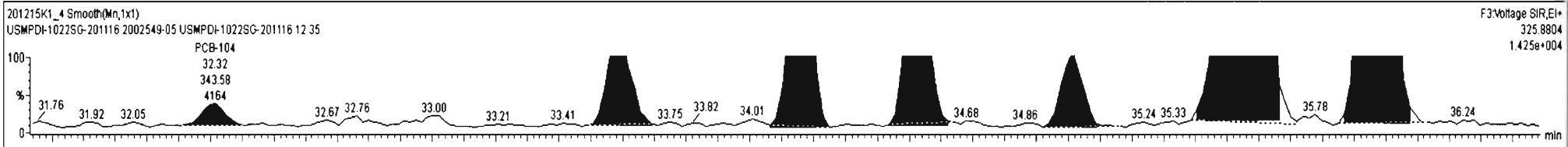


201215K1\_4



#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18	0.660	22.18	
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9	7.10	265.2	
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5	2.26	201.5	
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1	6.21	531.7	
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2233	10.9	2259	
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3222	12.4	3246	
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4	3.74	207.7	
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0	2.77	999.1	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det....
64	PCB-104	32.30	32.32	3.436e2	3.210e2	1.560	1.07	YES	1.0855	0.00000	MM	MM
65	PCB-96	33.59	33.58	1.499e3	1.126e3	1.560	1.33	NO	5.0482	5.0482	MM	MM
66	PCB-103	34.15	34.16	3.157e3	1.871e3	1.560	1.69	NO	12.348	12.348	MM	MM
67	PCB-100	34.52	34.53	3.101e3	2.027e3	1.560	1.53	NO	12.045	12.045	MM	MM
68	PCB-94	34.99	35.01	1.105e3	7.457e2	1.560	1.48	NO	5.5335	5.5335	MM	MM
69	PCB-85/98/102	35.49	35.55	1.028e5	6.458e4	1.560	1.59	NO	388.36	388.36	MM	MM
71	PCB-88/91	35.96	35.98	1.942e4	1.284e4	1.560	1.51	NO	88.040	88.040	MM	MM
73	PCB-84/92	36.91	36.91	5.376e4	3.538e4	1.560	1.52	NO	242.81	242.81	MM	MM

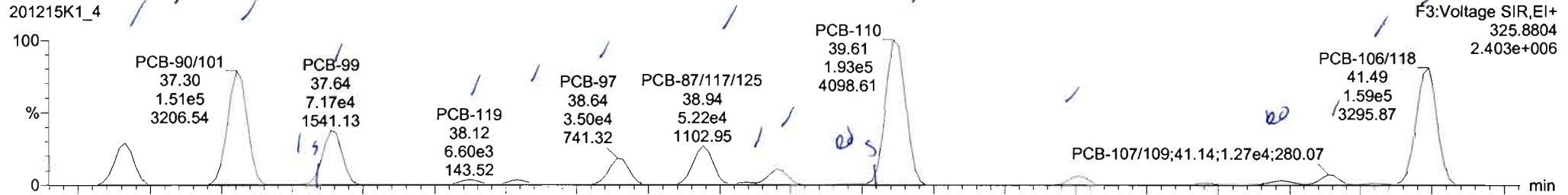


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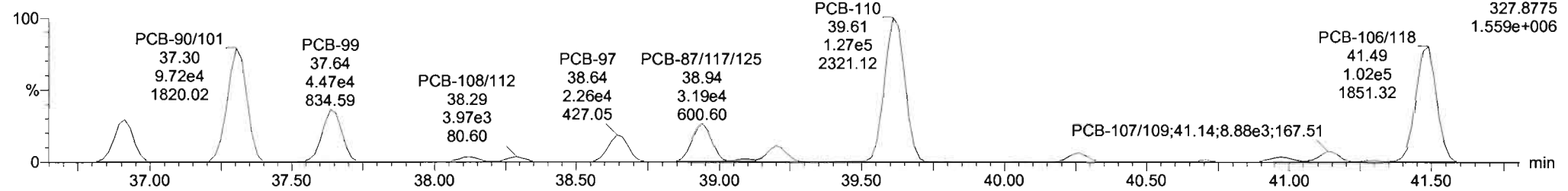
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

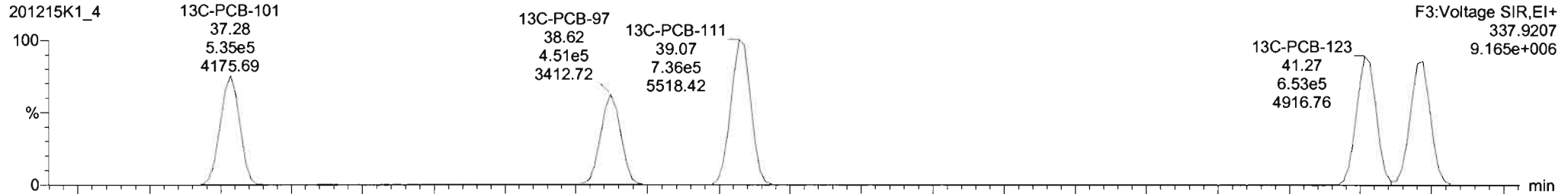
**PCB-119**



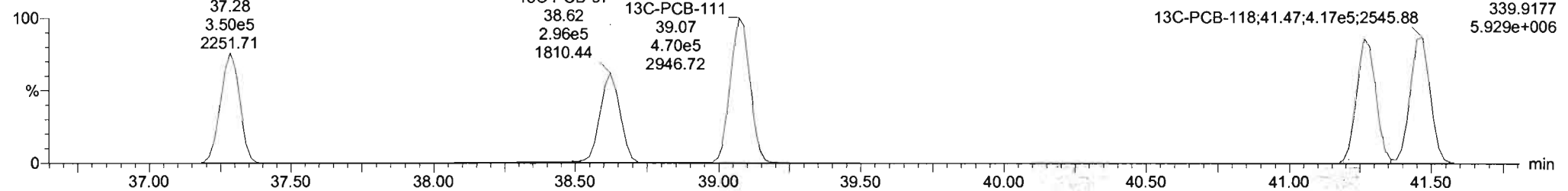
201215K1\_4



**13C-PCB-111**



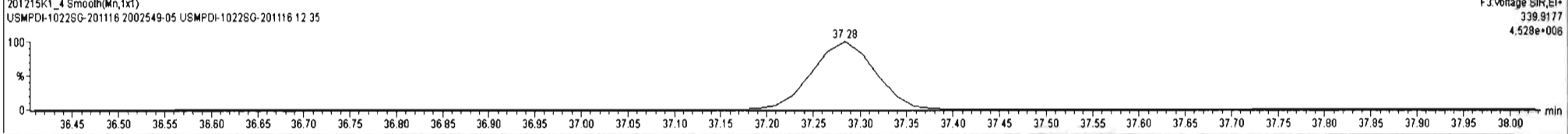
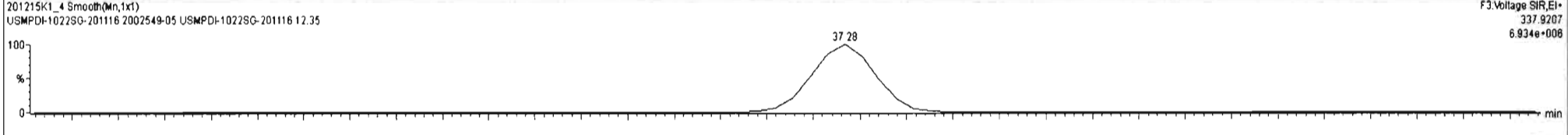
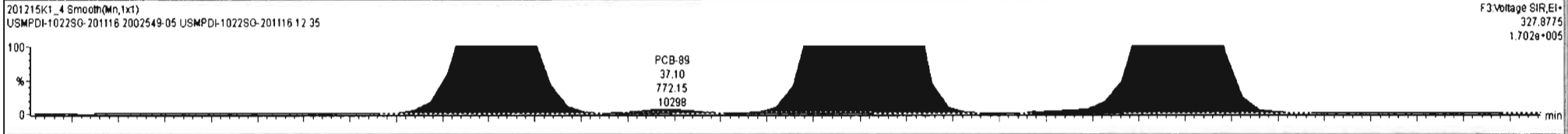
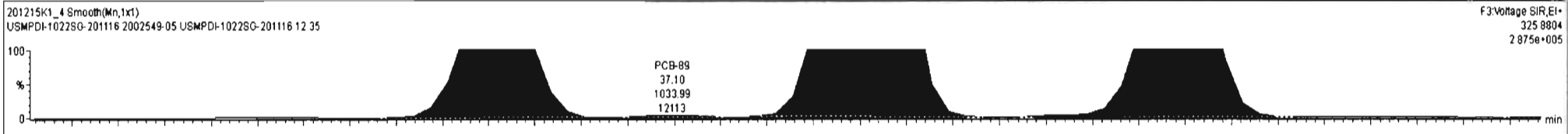
201215K1\_4



201215K1\_4\_2002549-05 USMPDI-1022SG-201116 12.35 - USMPDI-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtAval	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1		6.21	531.7
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2233		10.9	2259
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3212		12.4	3246
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

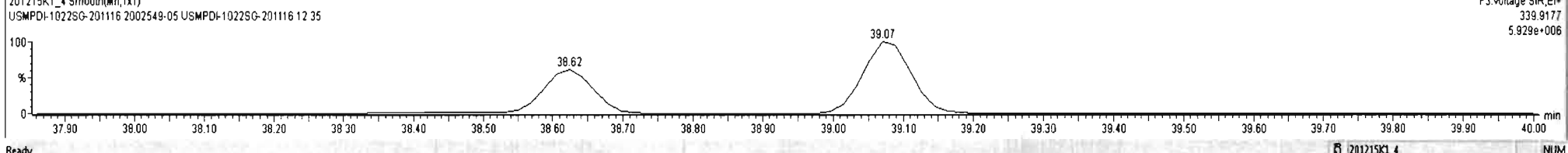
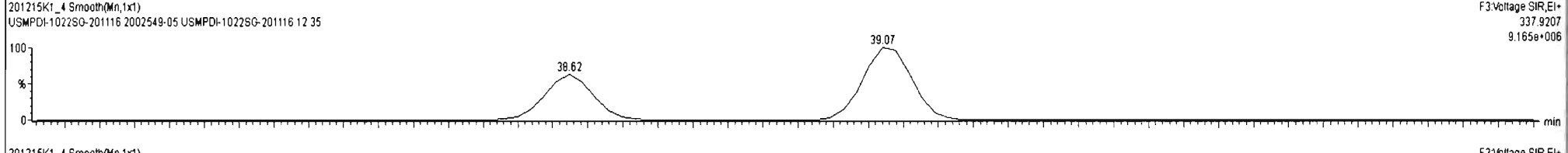
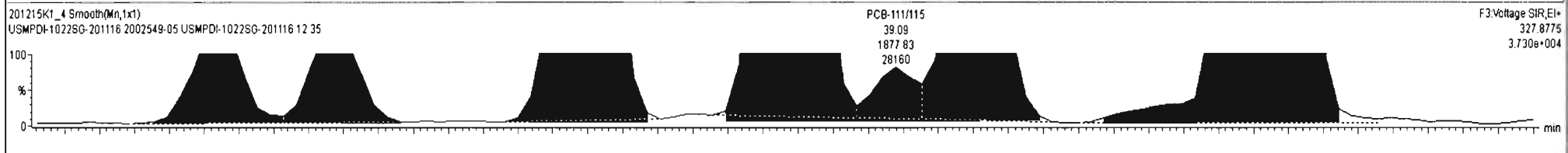
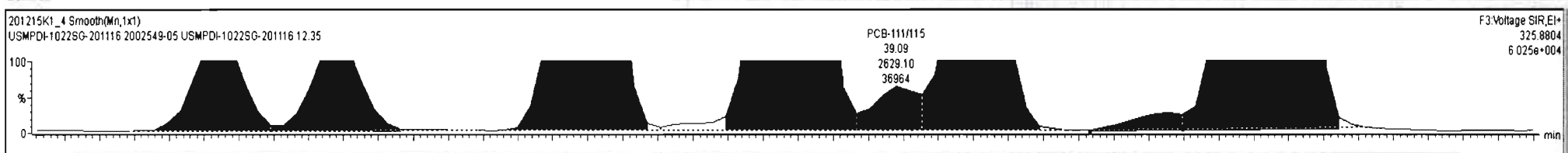
#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer...	1° Det...
1	64 PCB-104	32.30	32.31	3.359e2	4.438e2	1.560	0.76	YES	1.0612	0.00000	bb	db
2	65 PCB-96	33.59	33.58	1.465e3	1.144e3	1.560	1.28	YES	4.6265	0.00000	bb	bb
3	66 PCB-103	34.15	34.16	3.131e3	1.877e3	1.560	1.67	NO	12.299	12.299	bb	bb
4	67 PCB-100	34.52	34.53	3.014e3	2.042e3	1.560	1.48	NO	11.876	11.876	bb	bb
5	68 PCB-94	34.99	35.01	1.090e3	8.321e2	1.560	1.31	YES	5.3484	0.00000	bb	bb
6	69 PCB-95/98/102	35.49	35.55	1.031e5	6.461e4	1.560	1.60	NO	389.00	389.00	bd	db
7	71 PCB-88/91	35.96	35.98	1.950e4	1.289e4	1.560	1.51	NO	88.380	88.380	bb	bb
8	73 PCB-84/92	36.91	36.91	5.376e4	3.538e4	1.560	1.52	NO	242.81	242.81	MM	MM

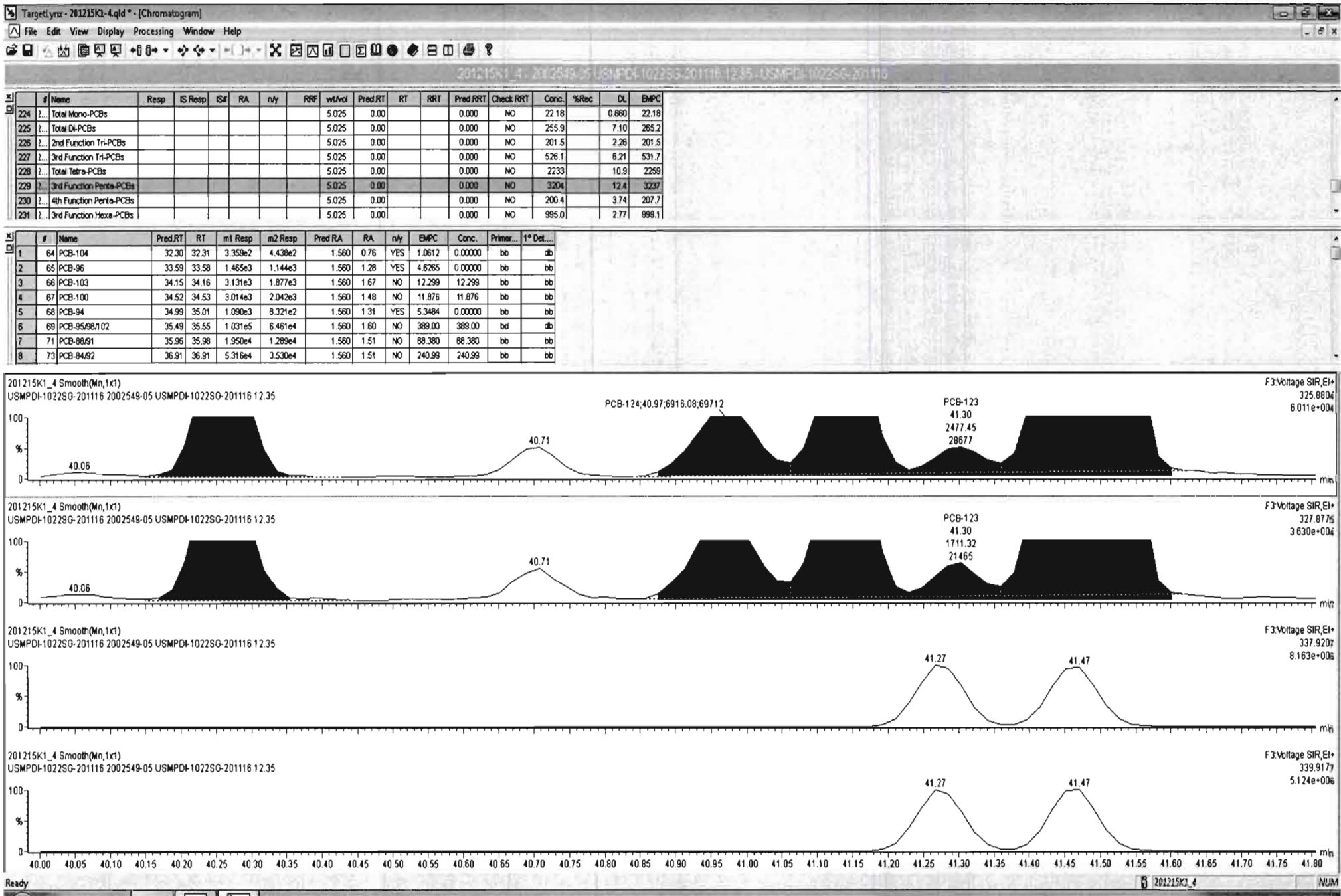


201215K1\_4 - 201215K1-4.qld\* - [Chromatogram] 201215K1\_4 - 201215K1-4.qld\* - [Chromatogram]

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wt/vol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.680	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1		6.21	531.7
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2233		10.9	2259
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3202		12.4	3238
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	200.4		3.74	207.7
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0		2.77	999.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1* Det...
1	64 PCB-104	32.30	32.31	3.359e2	4.438e2	1.560	0.76	YES	1.0612	0.00000	bb	db
2	65 PCB-96	33.59	33.58	1.465e3	1.144e3	1.560	1.28	YES	4.6265	0.00000	bb	bb
3	66 PCB-103	34.15	34.16	3.131e3	1.877e3	1.560	1.67	NO	12.299	12.299	bb	bb
4	67 PCB-100	34.52	34.53	3.014e3	2.042e3	1.560	1.48	NO	11.876	11.876	bb	bb
5	68 PCB-94	34.99	35.01	1.090e3	8.321e2	1.560	1.31	YES	5.3484	0.00000	bb	bb
6	69 PCB-95/98/102	35.49	35.55	1.031e5	6.461e4	1.560	1.60	NO	389.00	389.00	bd	db
7	71 PCB-88/91	35.96	35.98	1.950e4	1.289e4	1.560	1.51	NO	88.380	88.380	bb	bb
8	73 PCB-84/92	36.91	36.91	5.316e4	3.530e4	1.560	1.51	NO	240.99	240.99	bb	bb





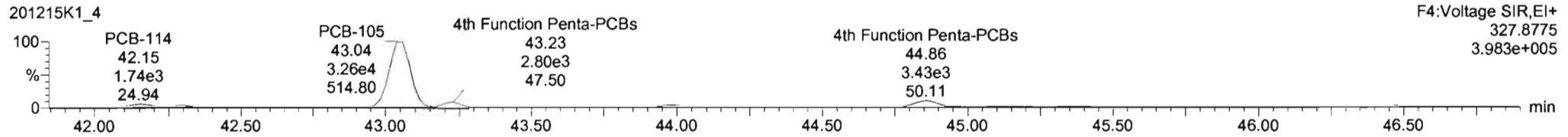
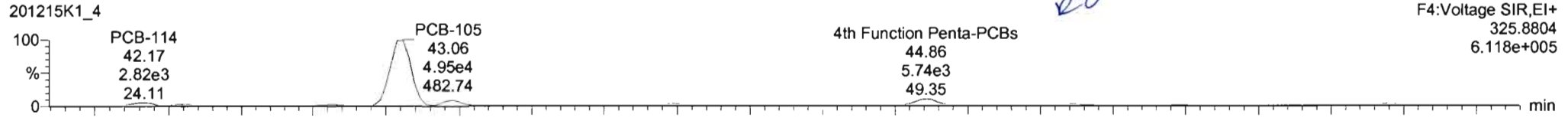


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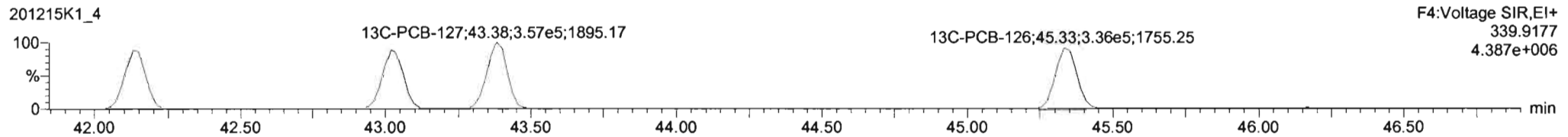
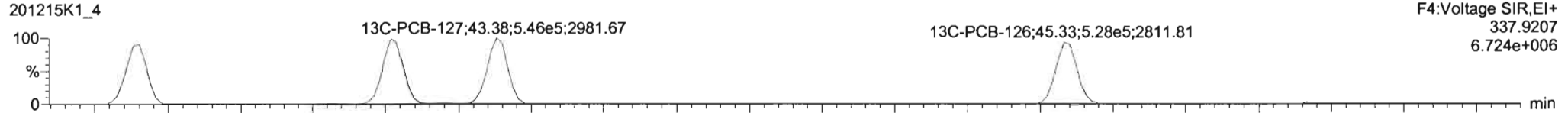
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

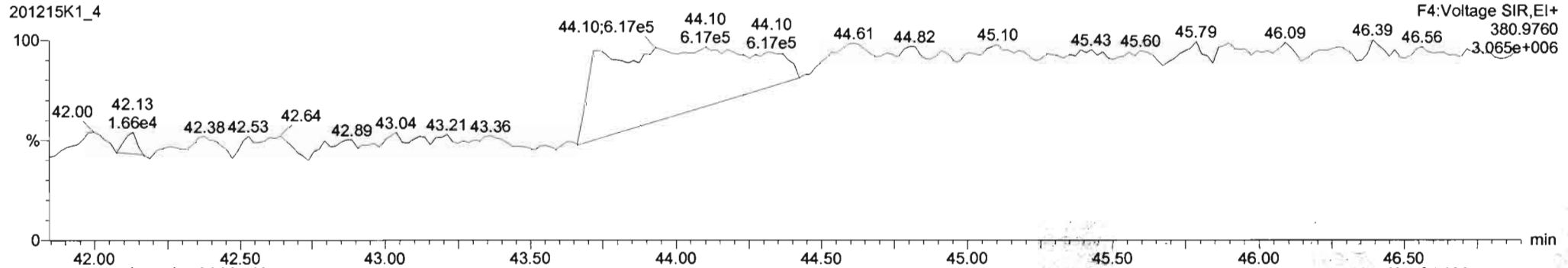
**PCB-114**



**13C-PCB-114**

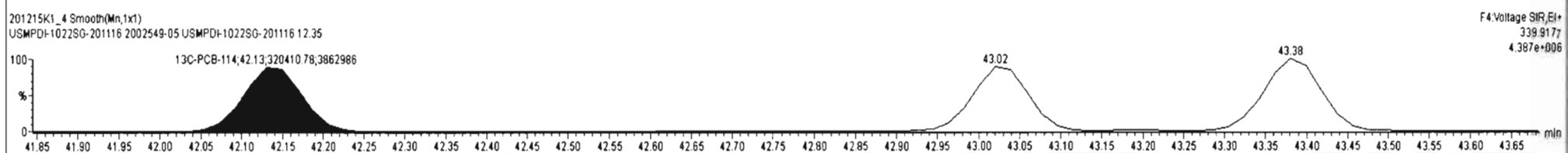
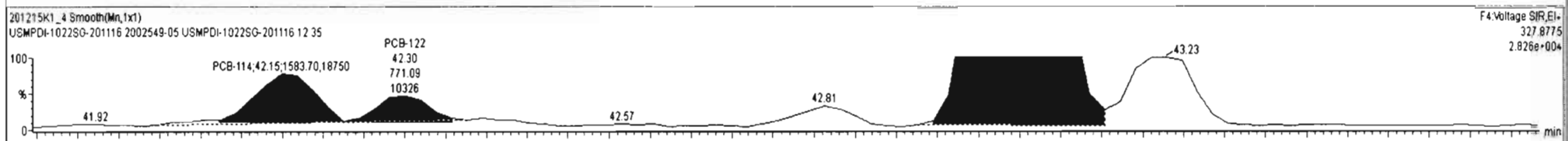
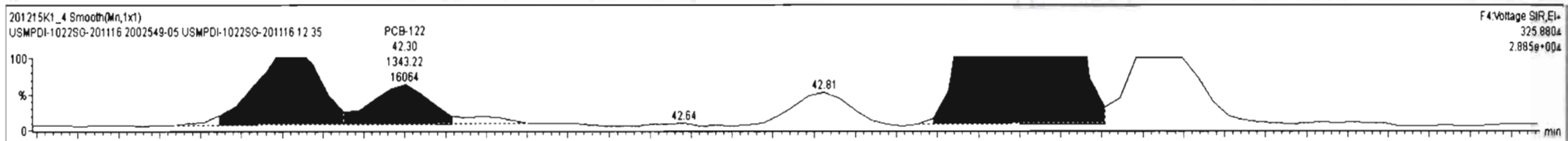


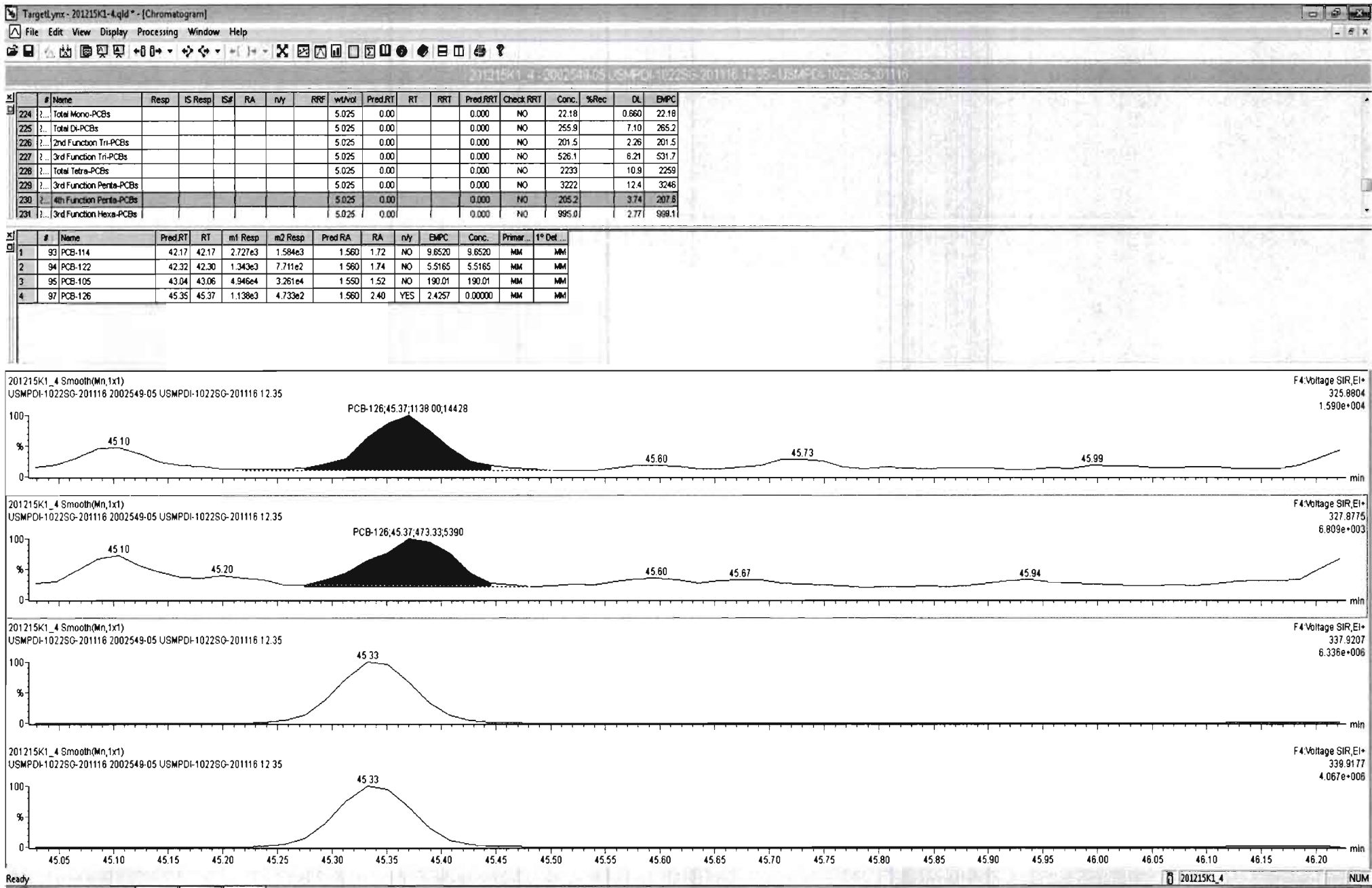
**PFK4a**



#	Name	Resp	IS Resp	IS#	RA	nly	RRF	wtWtd	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18	0.680	22.18	
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9	7.10	265.2	
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5	2.26	201.5	
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1	6.21	531.7	
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2233	10.9	2259	
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3222	12.4	3246	
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	205.2	3.74	207.6	
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	995.0	2.77	999.1	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred.RA	RA	nly	EMPC	Conc.	Primer...	1* Det....
1	93 PCB-114	42.17	42.17	2.727e3	1.584e3	1.580	1.72	NO	9.6520	9.6520	MM	MM
2	94 PCB-122	42.32	42.30	1.343e3	7.711e2	1.580	1.74	NO	5.5165	5.5165	MM	MM
3	95 PCB-105	43.04	43.06	4.946e4	3.261e4	1.550	1.52	NO	190.01	190.01	MM	MM
4	97 PCB-126	45.35	45.37	1.138e3	4.733e2	1.580	2.40	YES	2.4257	0.00000	MM	MM





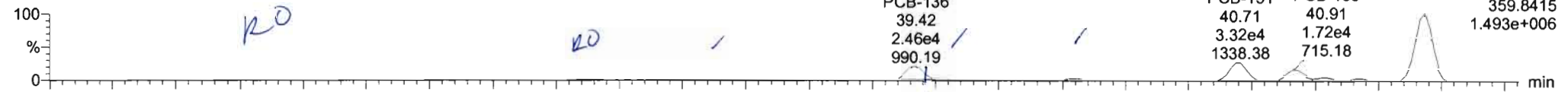
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

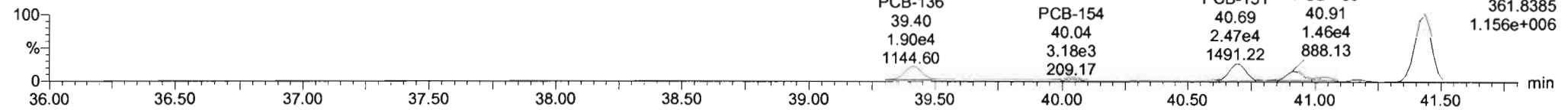
Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

**PCB-155**

201215K1\_4

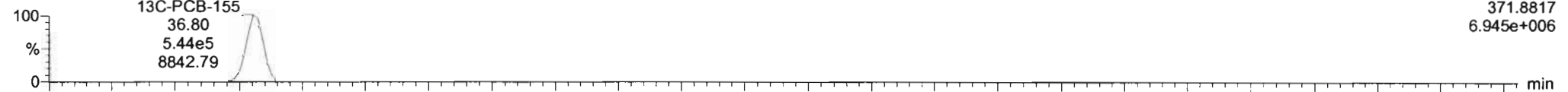


201215K1\_4

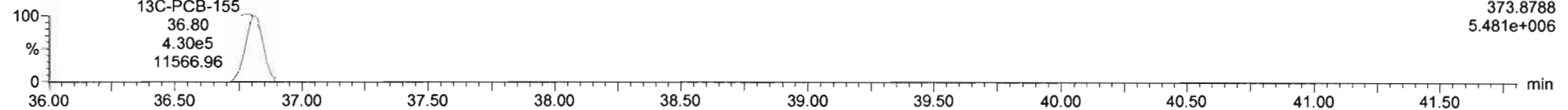


**13C-PCB-155**

201215K1\_4

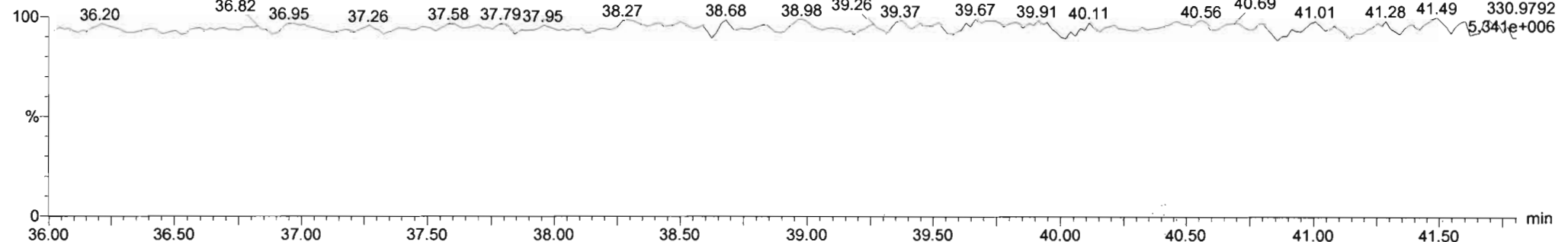


201215K1\_4



**PFK3c**

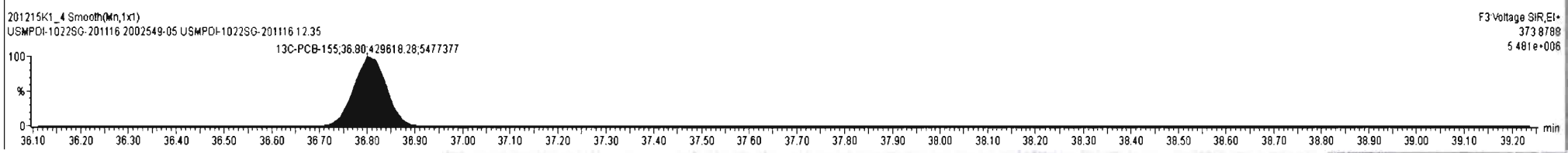
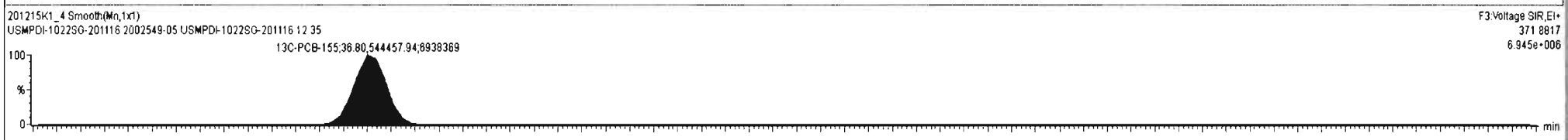
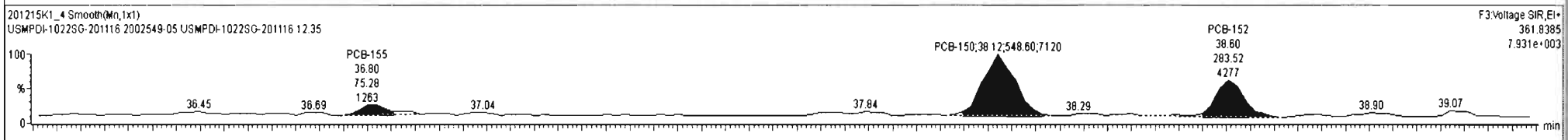
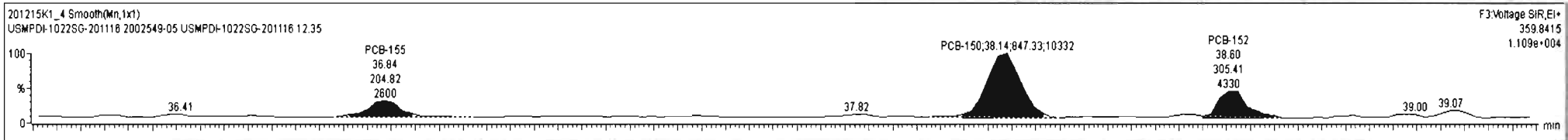
201215K1\_4

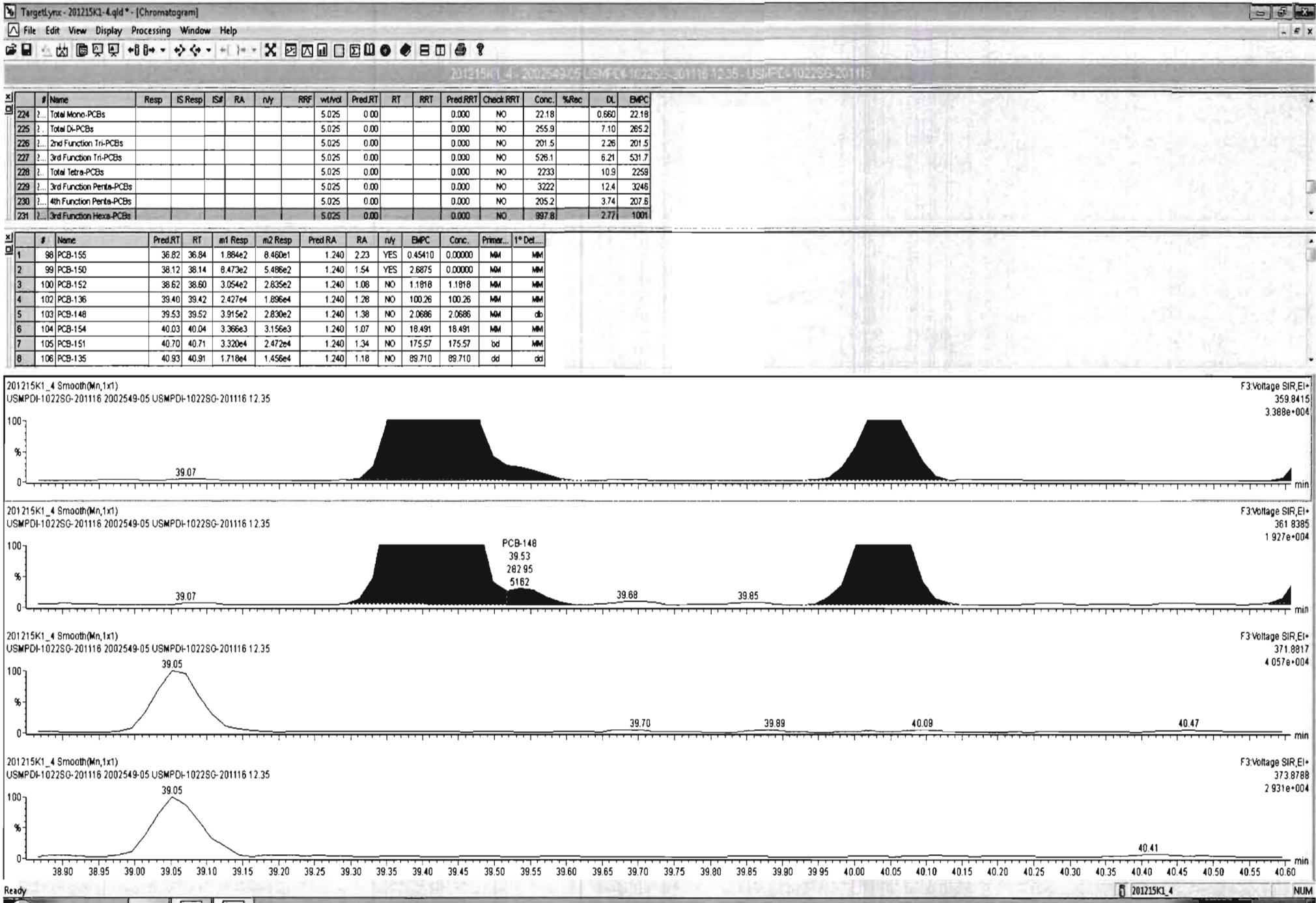


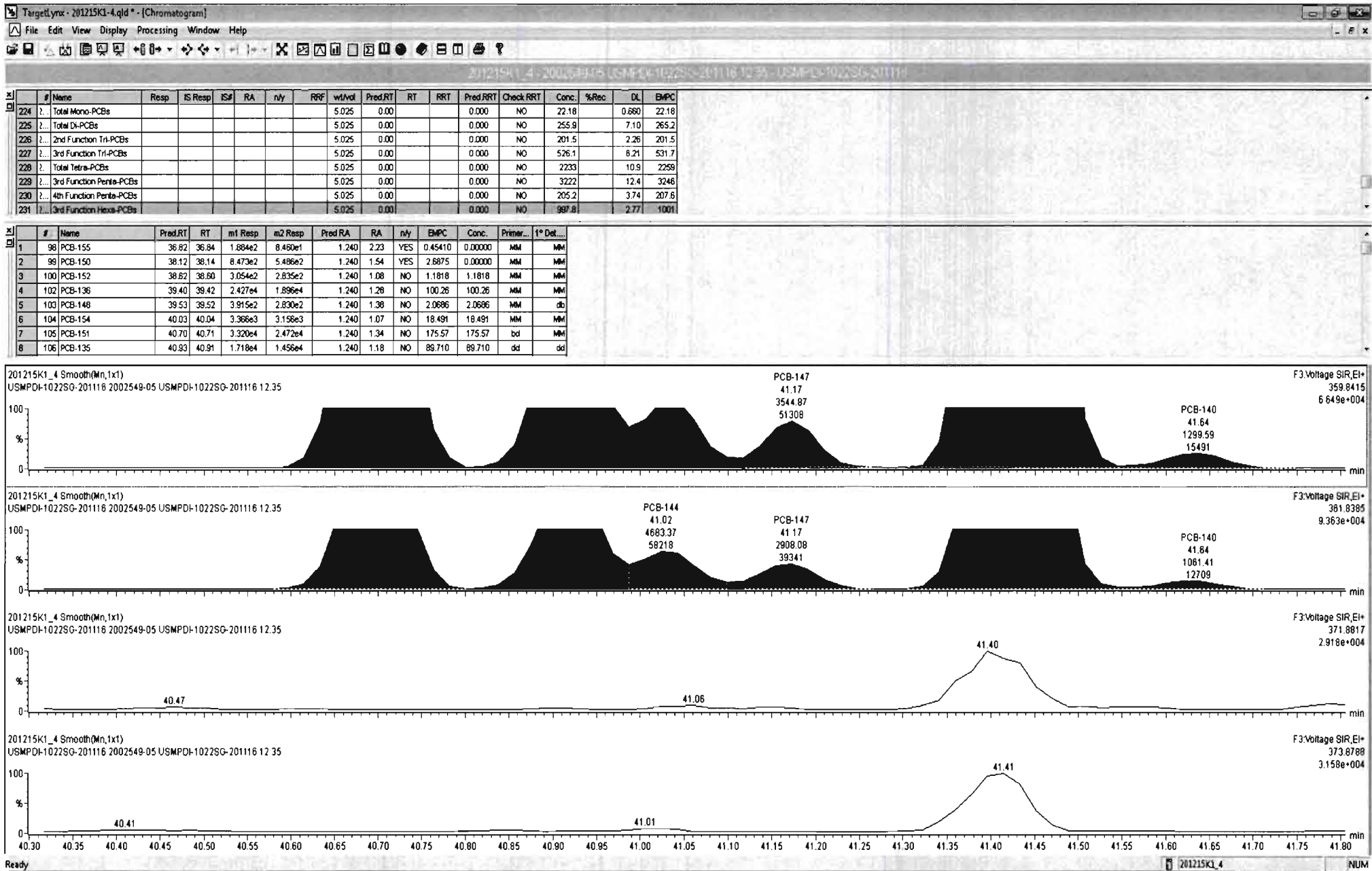
201215K1\_4 - 2002549-05 USMPDI-1022SG-201116 12.35 - USMPDI-1022SG-201116

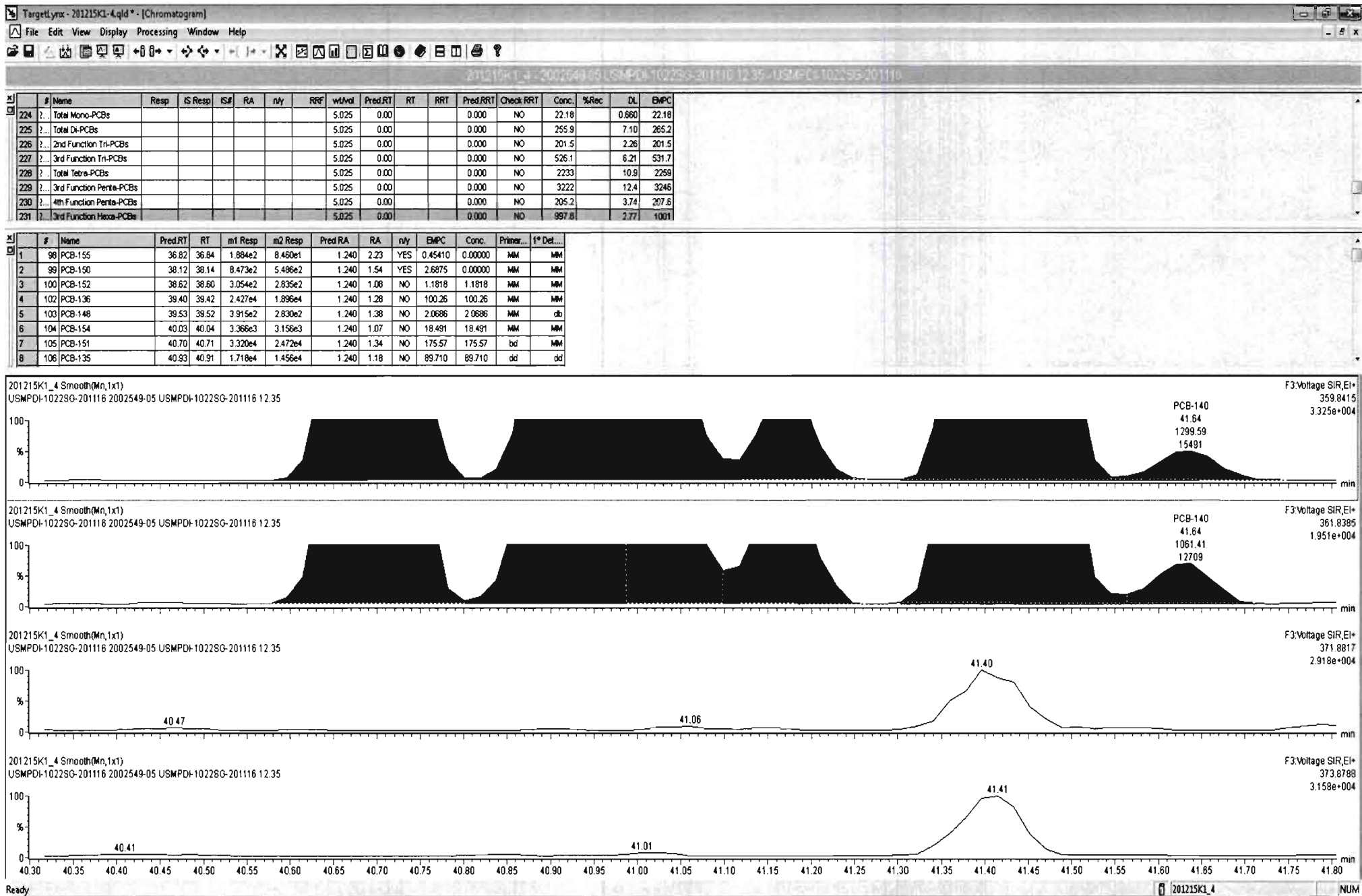
#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs							5.025	0.00			0.000	NO	22.18		0.660	22.18
225	Total Di-PCBs							5.025	0.00			0.000	NO	255.9		7.10	265.2
226	2nd Function Tri-PCBs							5.025	0.00			0.000	NO	201.5		2.26	201.5
227	3rd Function Tri-PCBs							5.025	0.00			0.000	NO	526.1		6.21	531.7
228	Total Tetra-PCBs							5.025	0.00			0.000	NO	2233		10.9	2259
229	3rd Function Penta-PCBs							5.025	0.00			0.000	NO	3222		12.4	3246
230	4th Function Penta-PCBs							5.025	0.00			0.000	NO	205.2		3.74	207.6
231	3rd Function Hexa-PCBs							5.025	0.00			0.000	NO	987.6		2.77	1001

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1° Det
1	98 PCB-155	36.82	36.84	2.048e2	7.528e1	1.240	2.72	YES	0.40411	0.00000	MM	MM
2	99 PCB-150	38.12	38.14	8.473e2	5.496e2	1.240	1.54	YES	2.6875	0.00000	MM	MM
3	100 PCB-152	38.62	38.60	3.054e2	2.835e2	1.240	1.08	NO	1.1818	1.1818	MM	MM
4	102 PCB-136	39.40	39.42	2.427e4	1.896e4	1.240	1.28	NO	100.26	100.26	MM	MM
5	103 PCB-148	39.53	39.52	3.915e2	2.830e2	1.240	1.38	NO	2.0686	2.0686	MM	db
6	104 PCB-154	40.03	40.04	3.366e3	3.156e3	1.240	1.07	NO	18.491	18.491	MM	MM
7	105 PCB-151	40.70	40.71	3.320e4	2.472e4	1.240	1.34	NO	175.57	175.57	bd	MM
8	106 PCB-135	40.93	40.91	1.718e4	1.456e4	1.240	1.18	NO	89.710	89.710	dd	dd









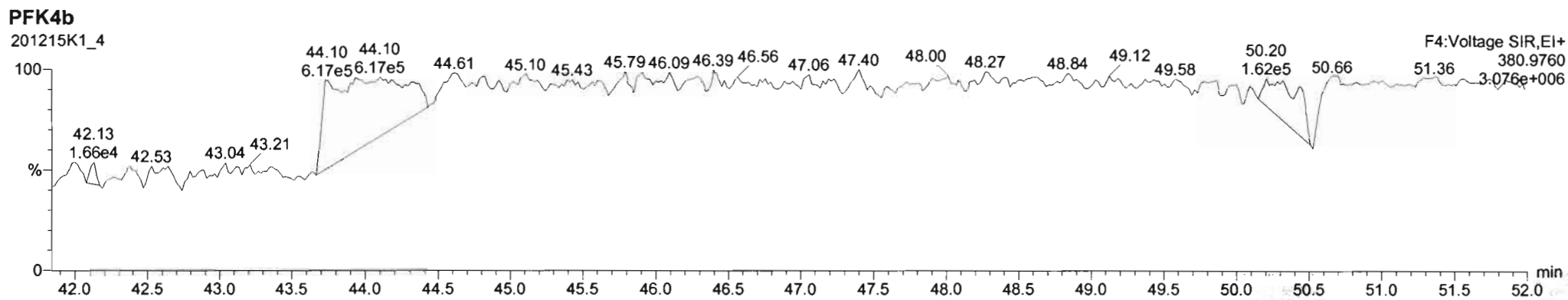
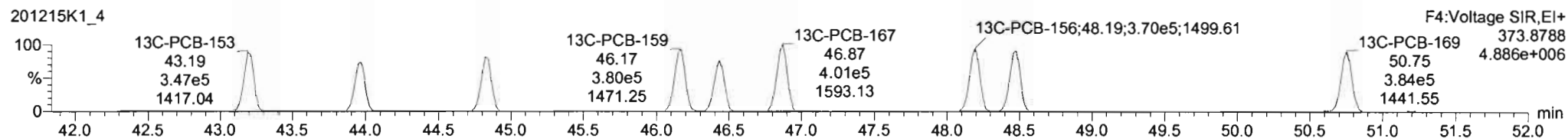
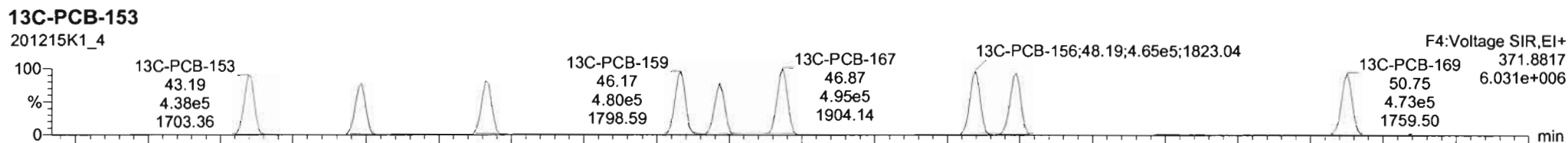
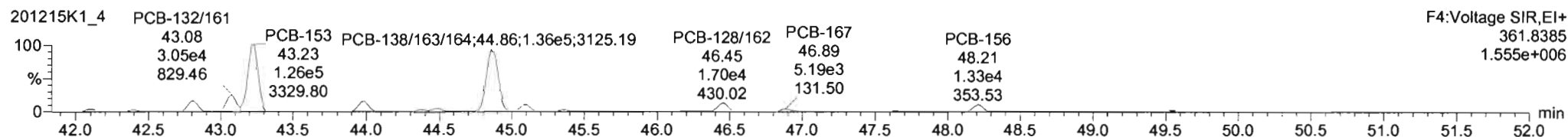
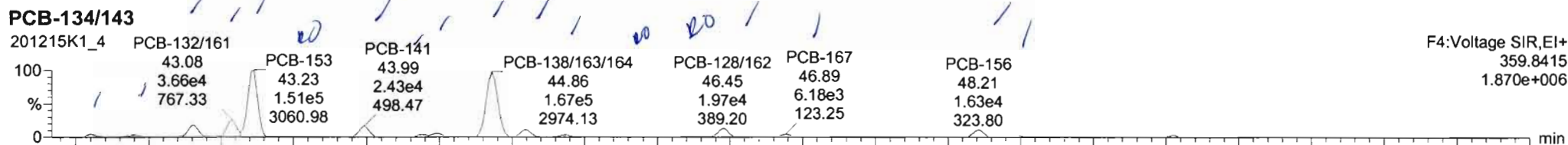


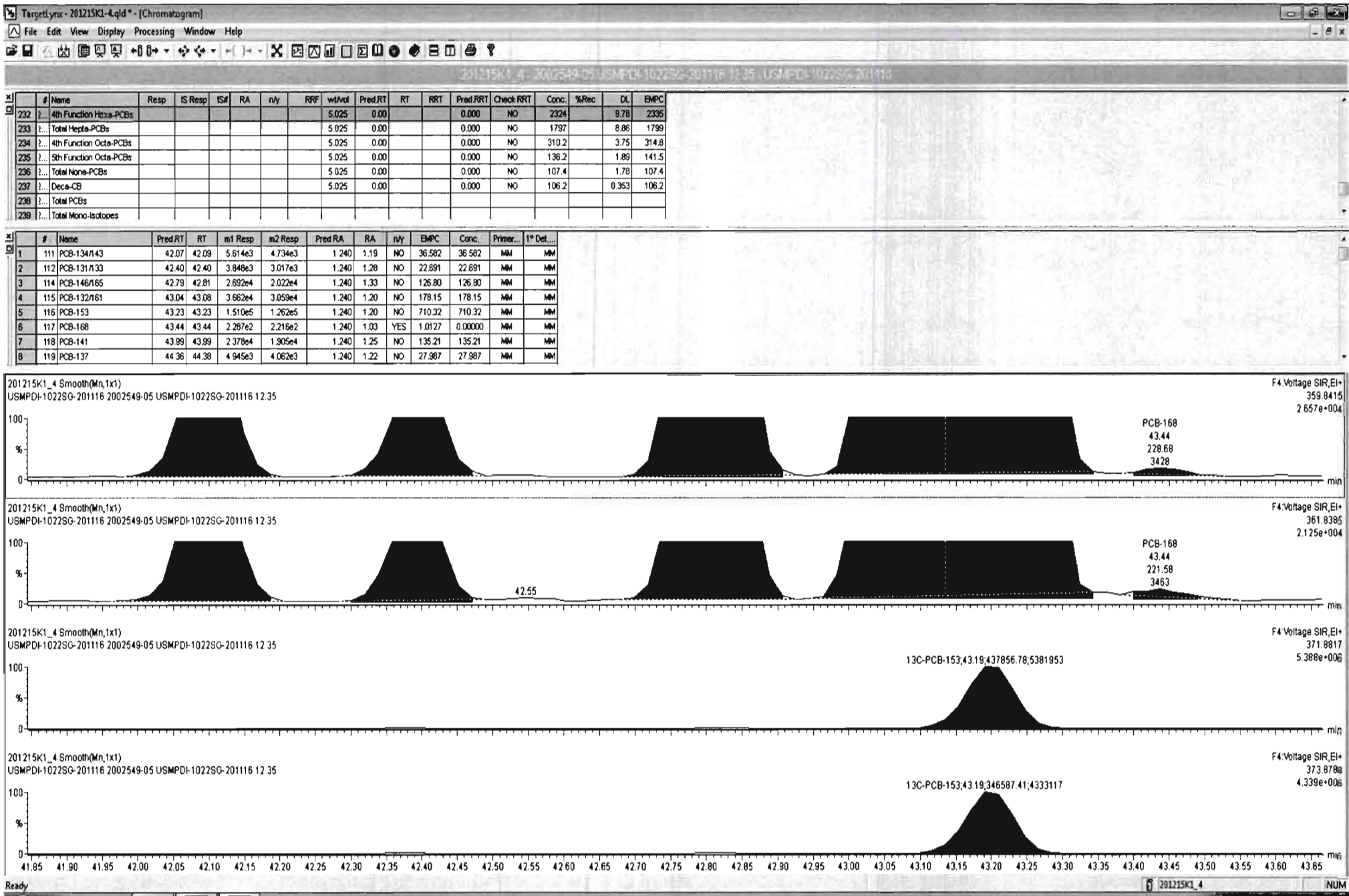
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

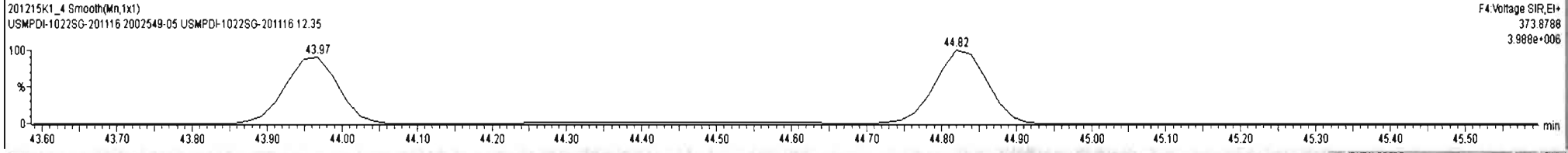
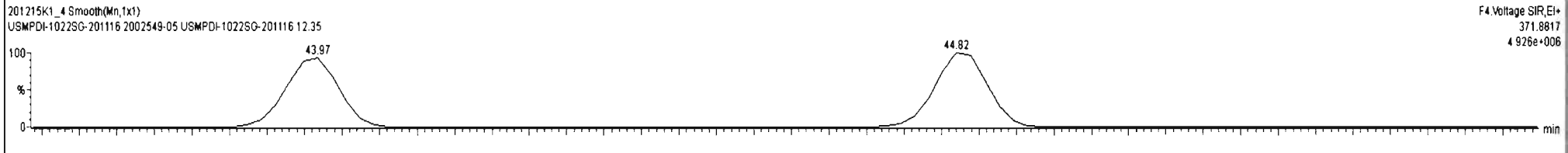
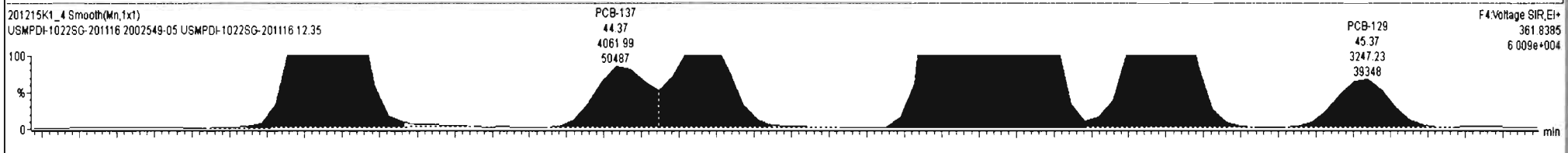
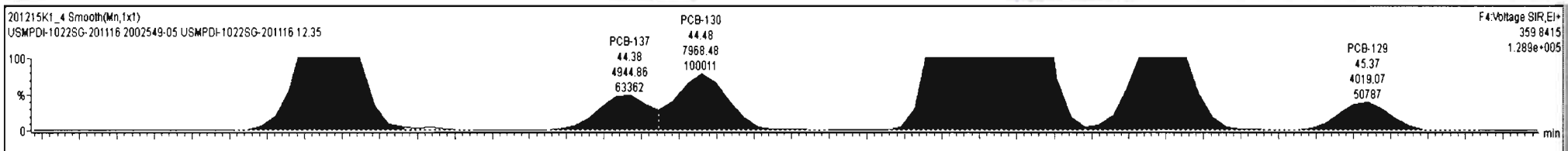




201215K1\_4 - 2002540-05 USMPCD-1022SG-201116 12.35 - USMPCD-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RRF	wtVol	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs																
233	Total Hepta-PCBs						5.025	0.00	0.000			0.000	NO	1797		8.86	1799
234	4th Function Octa-PCBs						5.025	0.00	0.000			0.000	NO	310.2		3.75	314.8
235	5th Function Octa-PCBs						5.025	0.00	0.000			0.000	NO	136.2		1.89	141.5
236	Total Nona-PCBs						5.025	0.00	0.000			0.000	NO	107.4		1.78	107.4
237	Deca-CB						5.025	0.00	0.000			0.000	NO	106.2		0.353	106.2
238	Total PCBs																
239	Total Mono-isotopes																

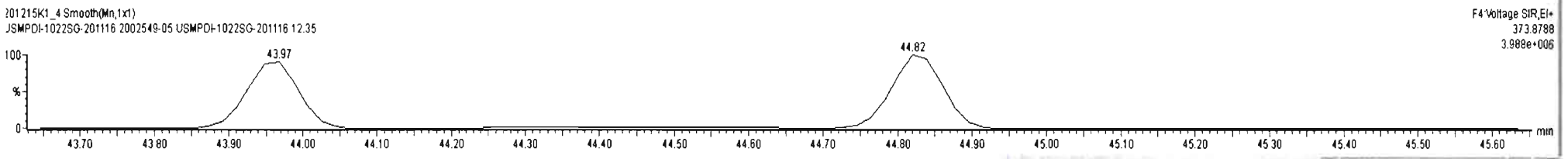
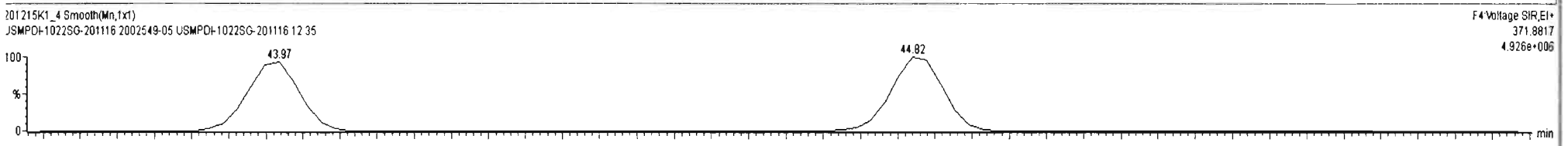
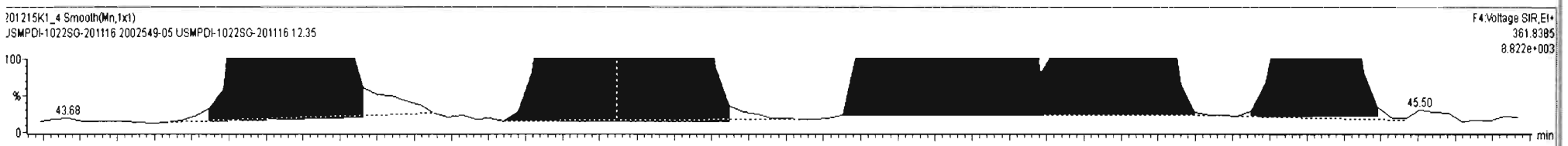
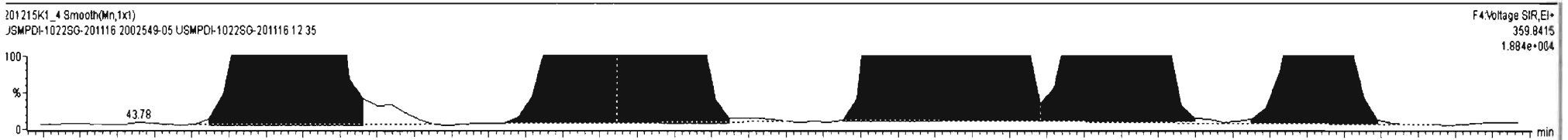
#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primer	1° Det
1	111 PCB-134/143	42.07	42.09	5.614e3	4.734e3	1.240	1.19	NO	36.582	36.582	MM	MM
2	112 PCB-131/133	42.40	42.40	3.848e3	3.017e3	1.240	1.28	NO	22.691	22.691	MM	MM
3	114 PCB-146/165	42.79	42.81	2.692e4	2.022e4	1.240	1.33	NO	126.80	126.80	MM	MM
4	115 PCB-132/161	43.04	43.08	3.662e4	3.059e4	1.240	1.20	NO	178.15	178.15	MM	MM
5	116 PCB-153	43.23	43.23	1.510e5	1.262e5	1.240	1.20	NO	710.32	710.32	MM	MM
6	117 PCB-168	43.44	43.44	2.287e2	2.216e2	1.240	1.03	YES	1.0127	0.00000	MM	MM
7	118 PCB-141	43.99	43.99	2.398e4	1.913e4	1.240	1.25	NO	136.09	136.09	MM	MM
8	119 PCB-137	44.26	44.38	4.945e3	4.062e3	1.240	1.22	NO	27.987	27.987	MM	MM

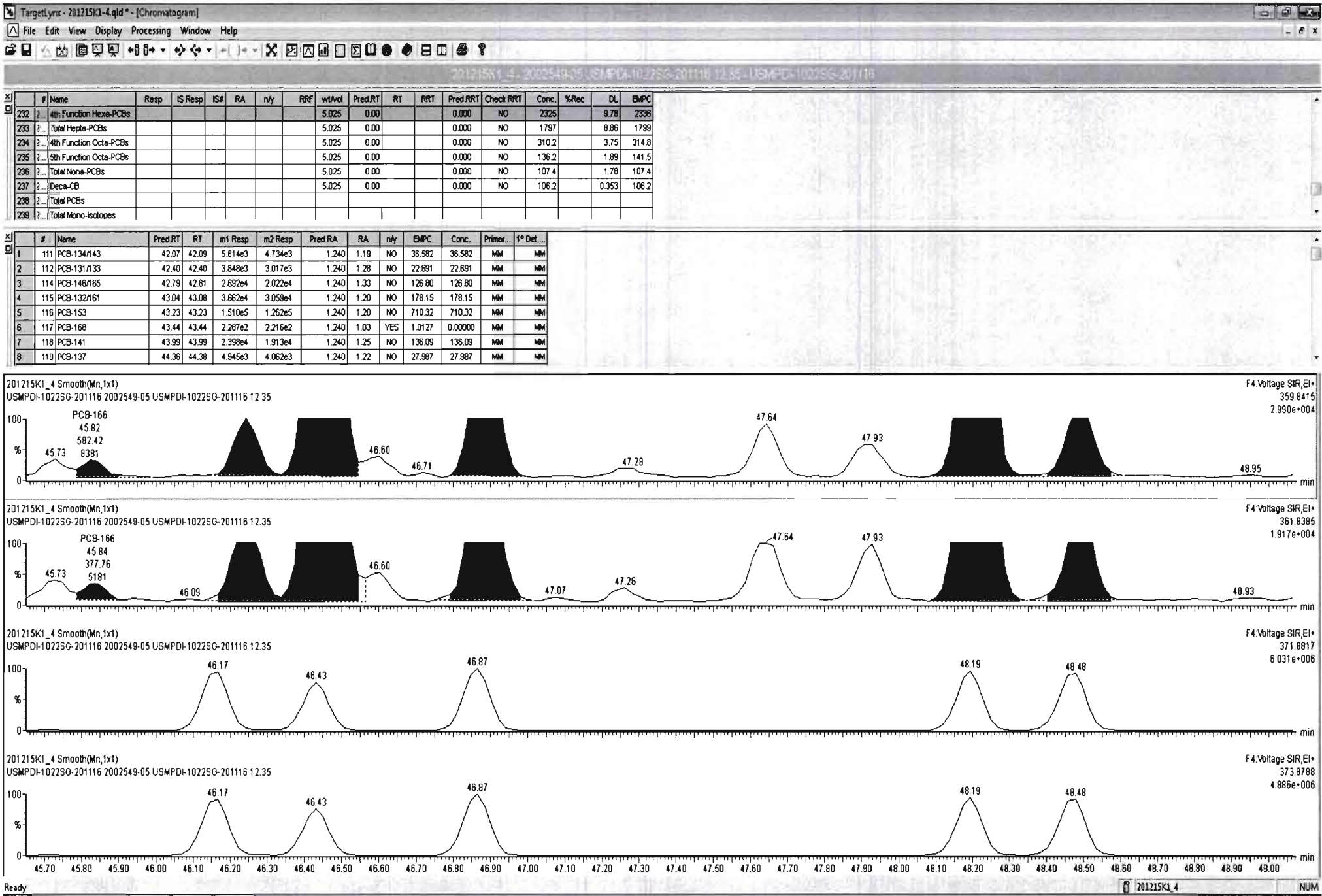


201215K1\_4\_3002549\_05 USMPDI-1022SG-201116 12:35 USMPDI-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RF#	wt/Awt	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.025	0.00			0.000	NO	2325	9.78	2336	
233	Total Hepta-PCBs							5.025	0.00			0.000	NO	1797	8.86	1799	
234	4th Function Octa-PCBs							5.025	0.00			0.000	NO	310.2	3.75	314.8	
235	5th Function Octa-PCBs							5.025	0.00			0.000	NO	136.2	1.89	141.5	
236	Total Nona-PCBs							5.025	0.00			0.000	NO	107.4	1.78	107.4	
237	Deca-CB							5.025	0.00			0.000	NO	106.2	0.353	106.2	
238	Total PCBs																
239	Total Mono-Isotopes																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	111 PCB-134/143	42.07	42.09	5.614e3	4.734e3	1.240	1.19	NO	36.582	36.582	MM	MM
2	112 PCB-131/133	42.40	42.40	3.848e3	3.017e3	1.240	1.28	NO	22.691	22.691	MM	MM
3	114 PCB-146/165	42.79	42.81	2.692e4	2.022e4	1.240	1.33	NO	126.80	126.80	MM	MM
4	115 PCB-132/161	43.04	43.08	3.662e4	3.059e4	1.240	1.20	NO	178.15	178.15	MM	MM
5	116 PCB-153	43.23	43.23	1.510e5	1.262e5	1.240	1.20	NO	710.32	710.32	MM	MM
6	117 PCB-168	43.44	43.44	2.287e2	2.216e2	1.240	1.03	YES	1.0127	0.00000	MM	MM
7	118 PCB-141	43.99	43.99	2.398e4	1.913e4	1.240	1.25	NO	136.09	136.09	MM	MM
8	119 PCB-137	44.36	44.38	4.945e3	4.062e3	1.240	1.22	NO	27.987	27.987	MM	MM

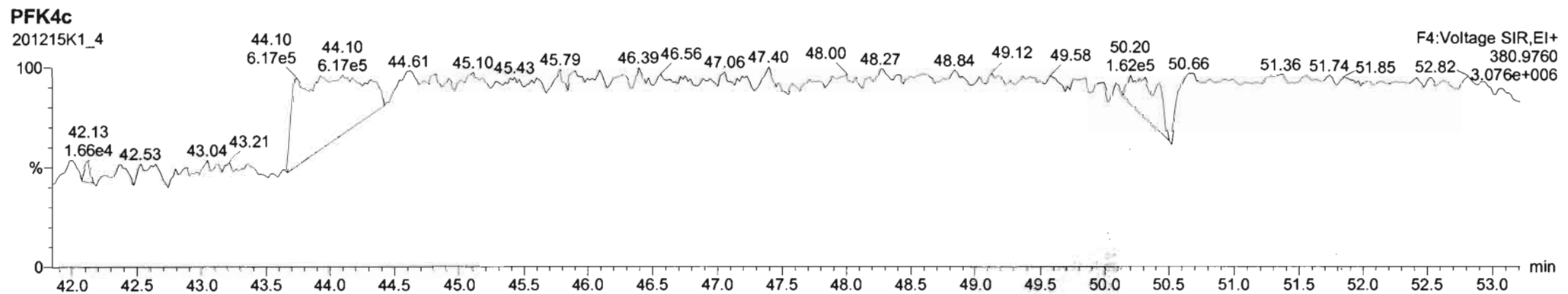
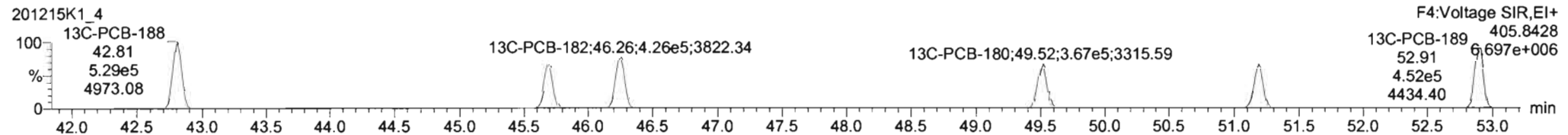
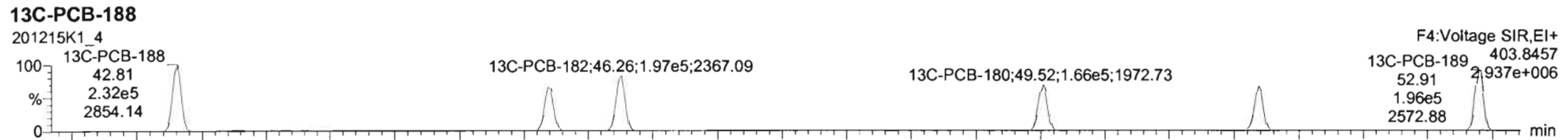
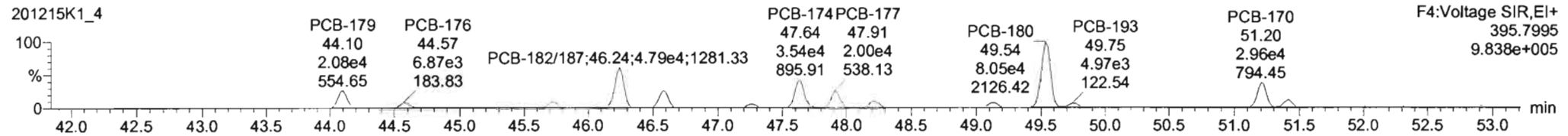
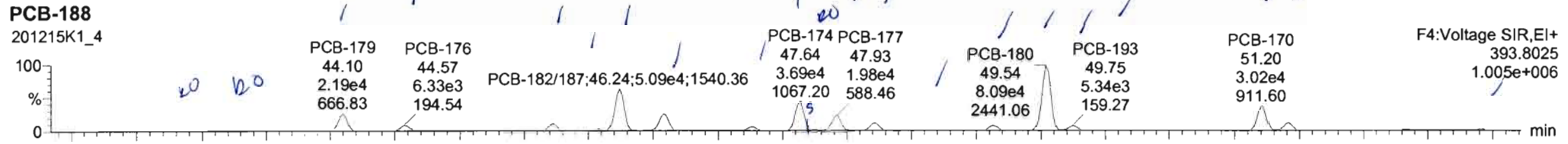


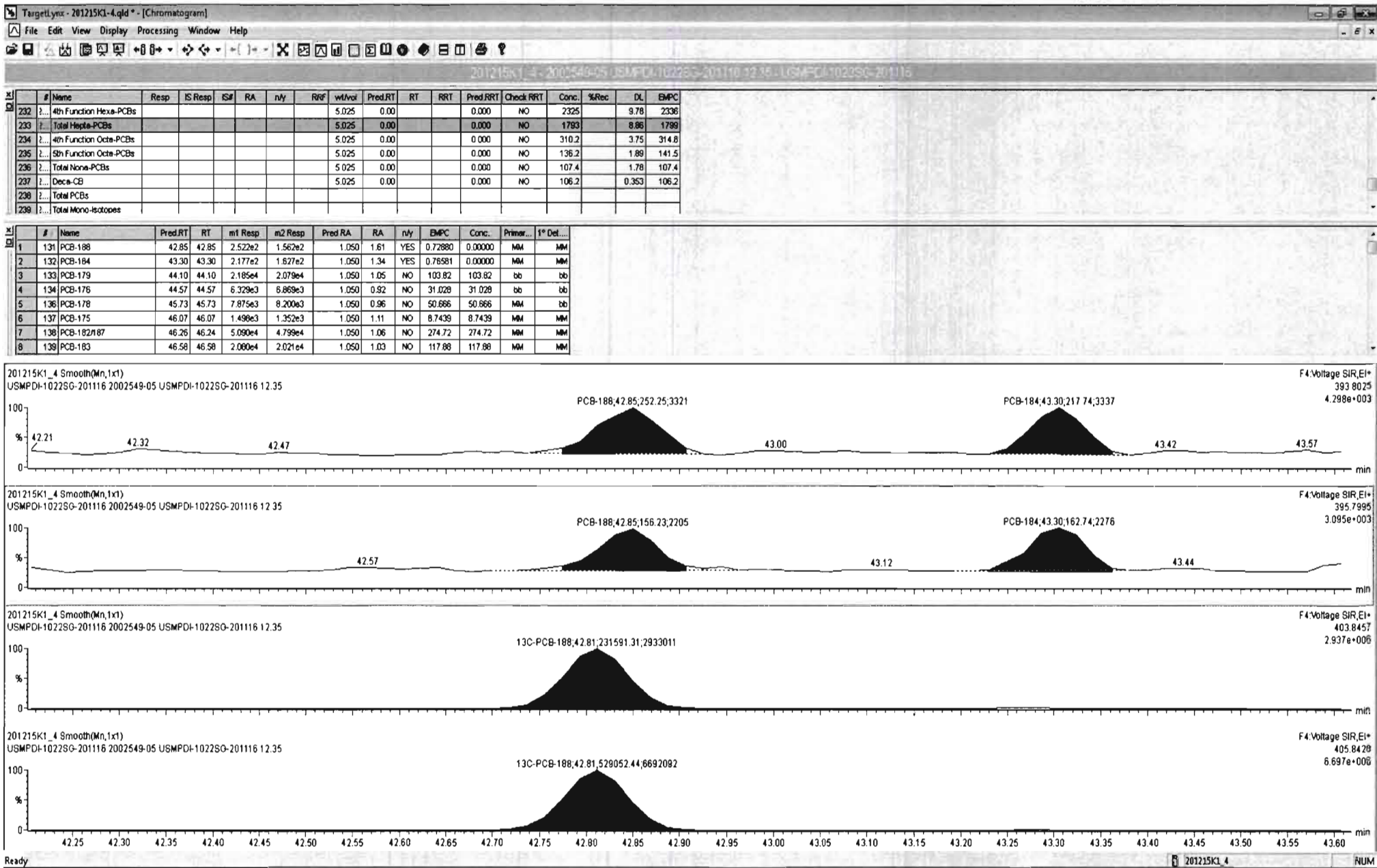


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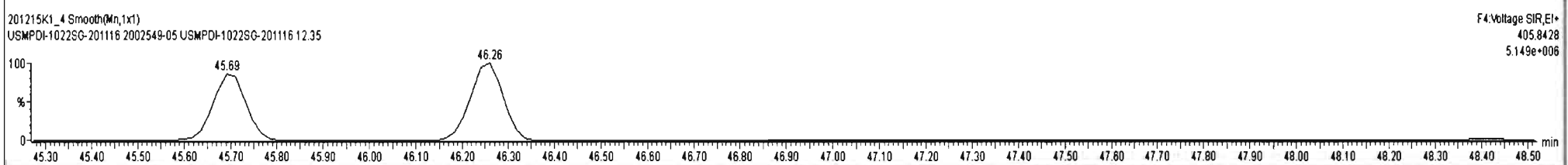
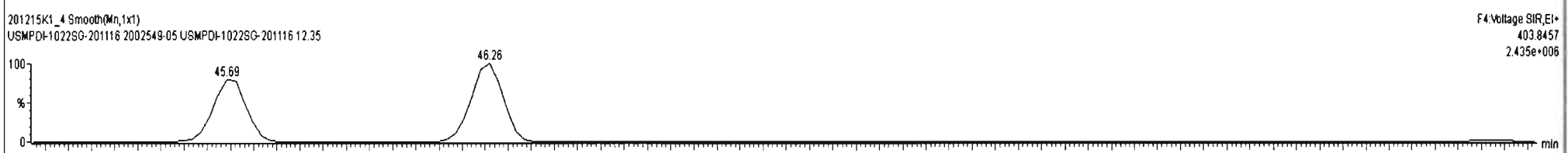
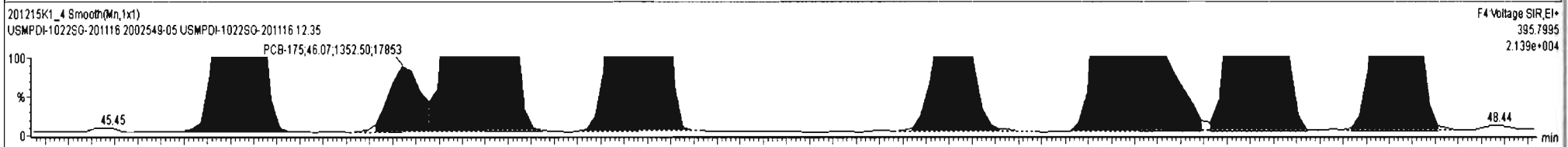
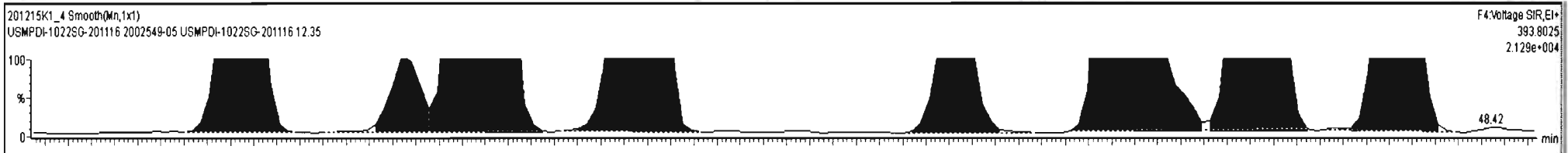
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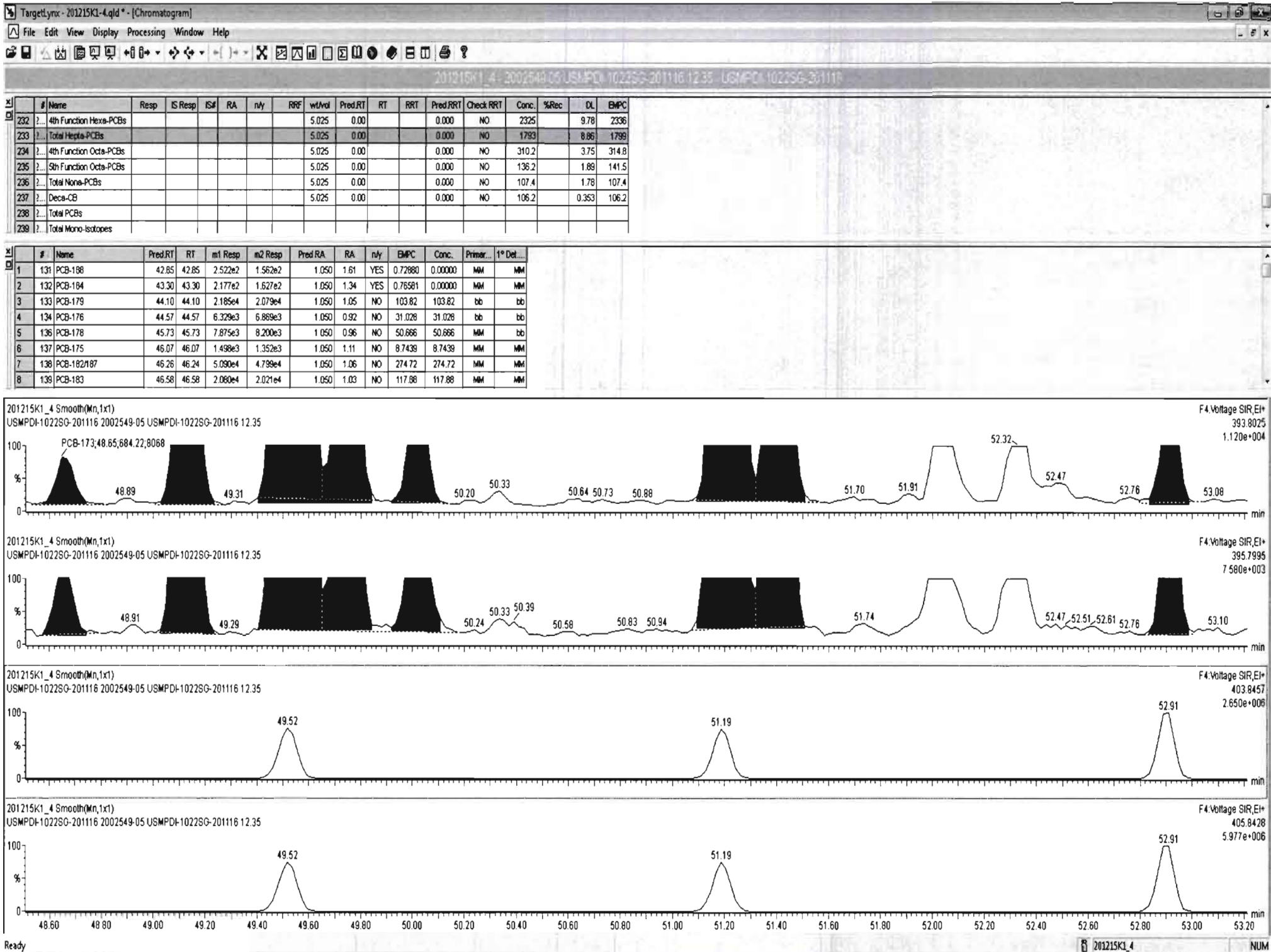


#	Name	Resp	IS Resp	ISF	RA	n/y	RRF	wtVol	Pred.RT	RT	RRT	Pred.RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.025	0.00			0.000	NO	2325		9.78	2336
233	Total Hepta-PCBs							5.025	0.00			0.000	NO	1793		6.86	1799
234	4th Function Octa-PCBs							5.025	0.00			0.000	NO	310.2		3.75	314.8
235	5th Function Octa-PCBs							5.025	0.00			0.000	NO	136.2		1.89	141.5
236	Total Nona-PCBs							5.025	0.00			0.000	NO	107.4		1.78	107.4
237	Deca-CB							5.025	0.00			0.000	NO	106.2		0.353	106.2
238	Total PCBs																
239	Total Mono-isotopes																

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	131 PCB-188	42.85	42.85	2.522e2	1.562e2	1.050	1.61	YES	0.72880	0.00000	MM	MM
2	132 PCB-184	43.30	43.30	2.177e2	1.627e2	1.050	1.34	YES	0.76591	0.00000	MM	MM
3	133 PCB-179	44.10	44.10	2.185e4	2.079e4	1.050	1.05	NO	103.82	103.82	bb	bb
4	134 PCB-176	44.57	44.57	6.329e3	6.869e3	1.050	0.92	NO	31.028	31.028	bb	bb
5	136 PCB-178	45.73	45.73	7.875e3	8.200e3	1.050	0.96	NO	50.666	50.666	MM	bb
6	137 PCB-175	46.07	46.07	1.498e3	1.352e3	1.050	1.11	NO	8.7439	8.7439	MM	MM
7	138 PCB-182/187	46.26	46.24	5.090e4	4.799e4	1.050	1.06	NO	274.72	274.72	MM	MM
8	139 PCB-183	46.58	46.58	2.080e4	2.021e4	1.050	1.03	NO	117.88	117.88	MM	MM







Dataset: Untitled

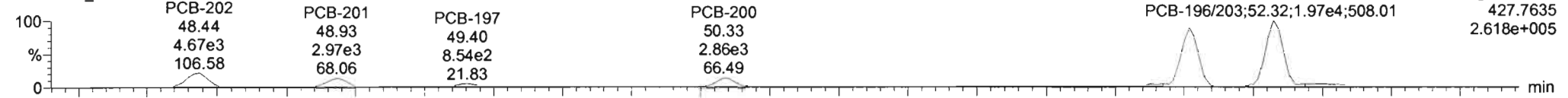
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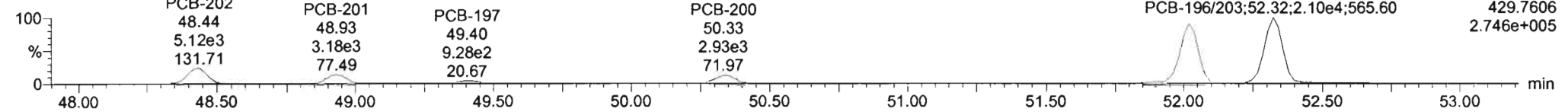
Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

**PCB-202**

201215K1\_4

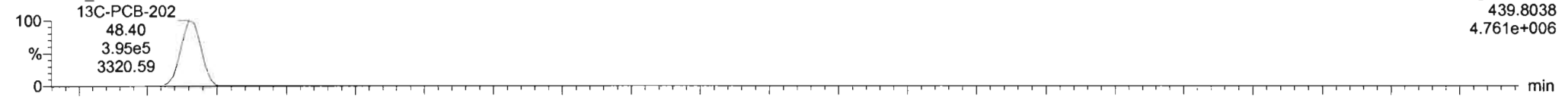


201215K1\_4

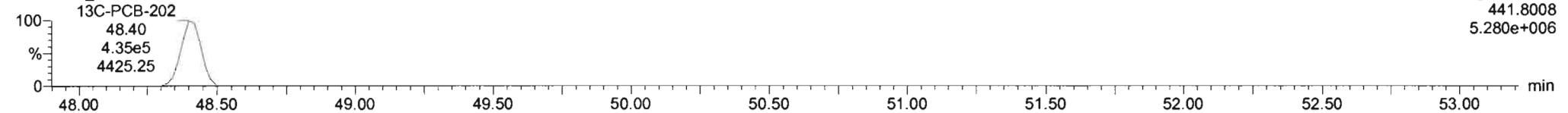


**13C-PCB-202**

201215K1\_4

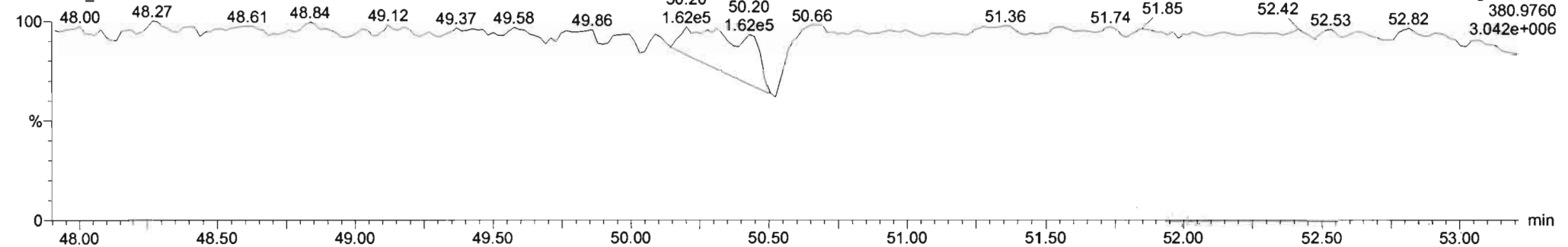


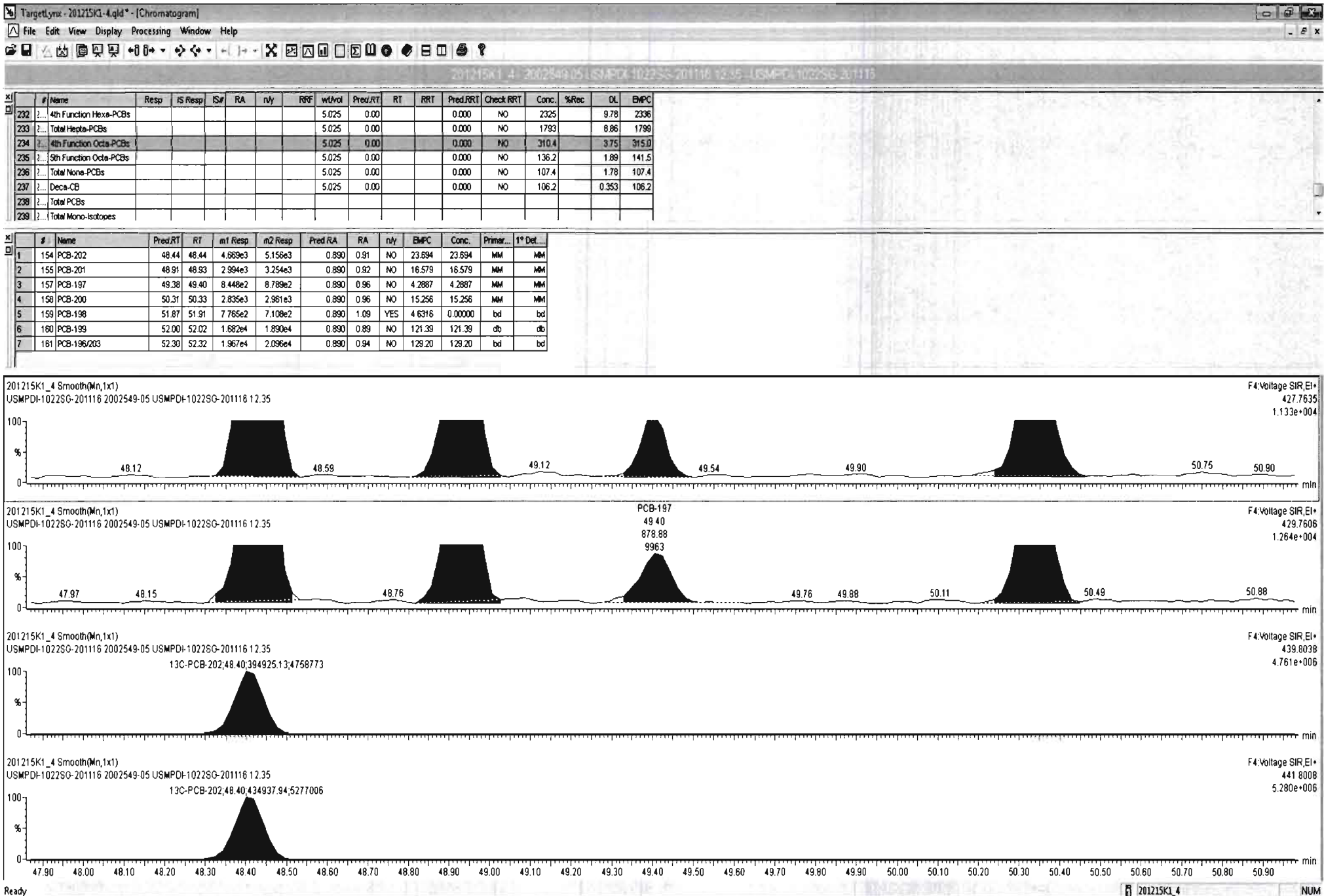
201215K1\_4

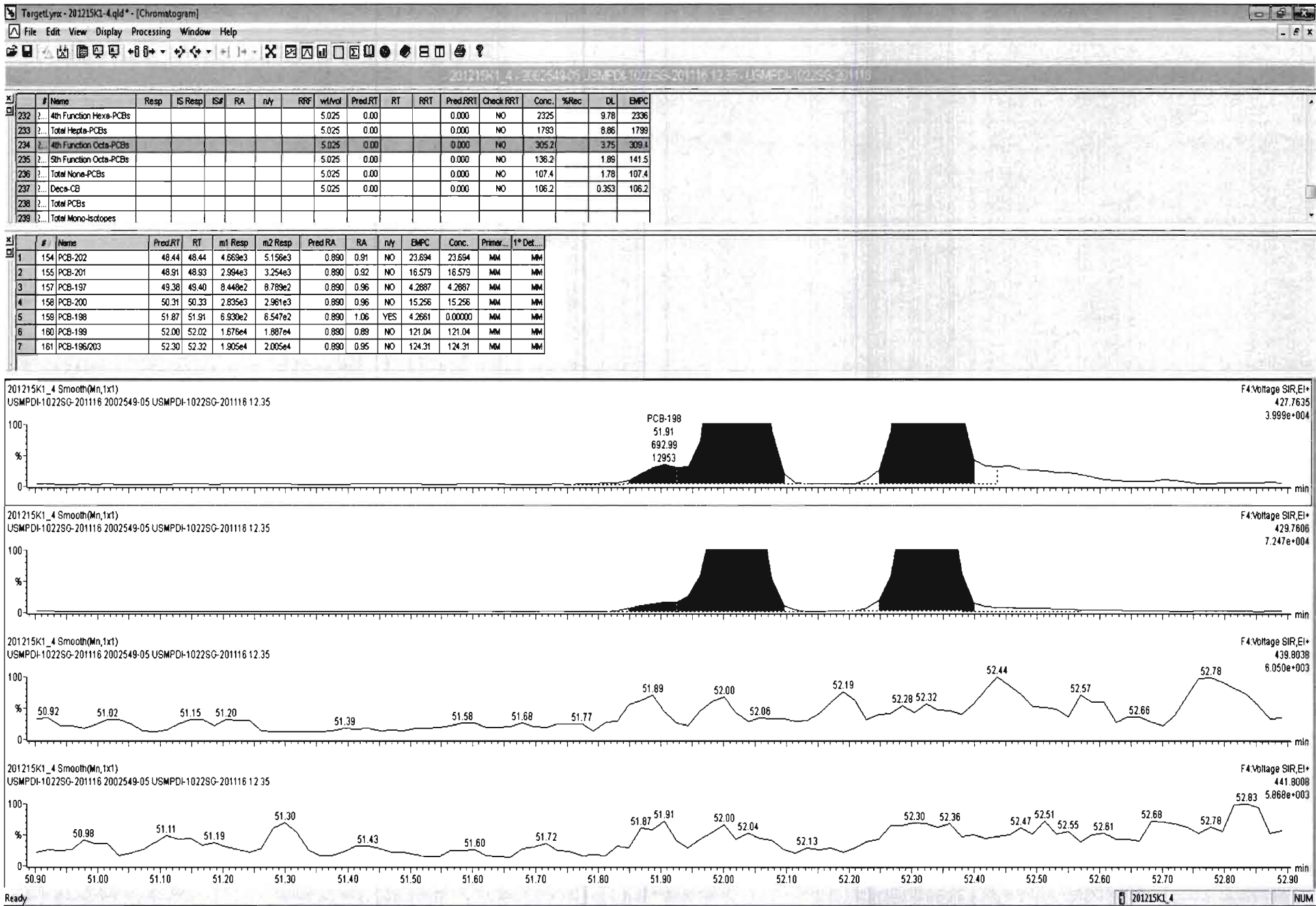


**PFK4d**

201215K1\_4





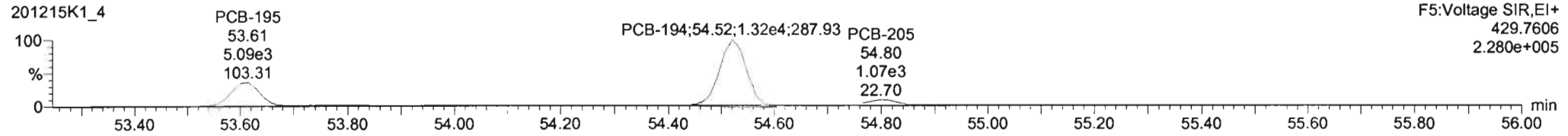
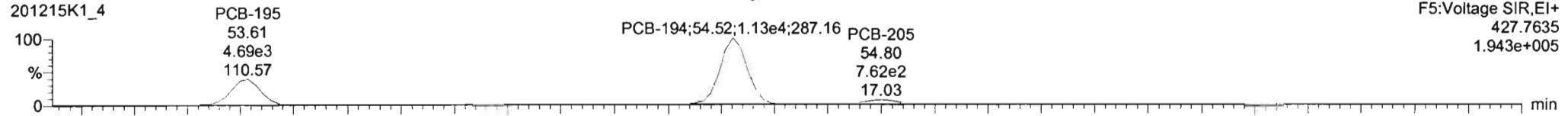


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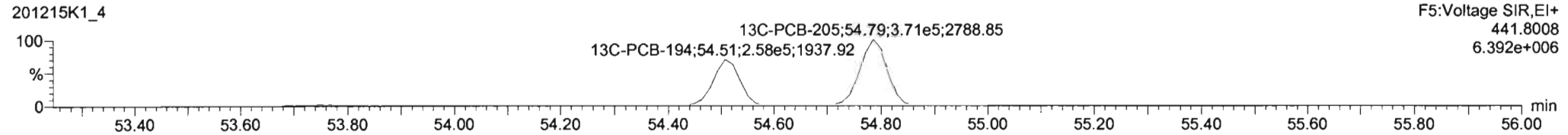
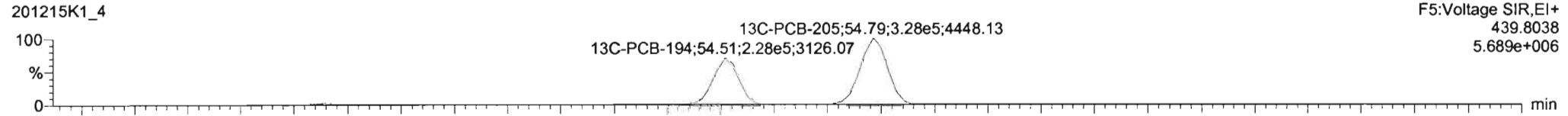
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

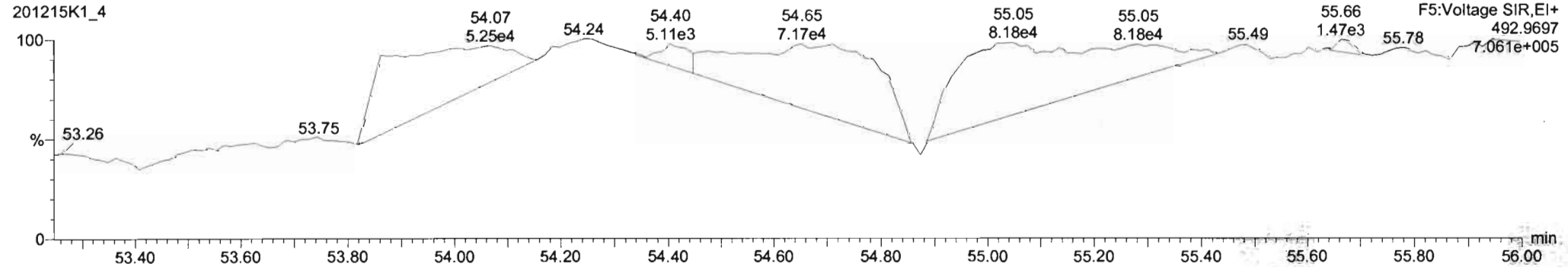
**PCB-195**



**13C-PCB-194**



**PFK5a**



TargetLynx - 201215K1-4.qld \* - (Chromatogram)

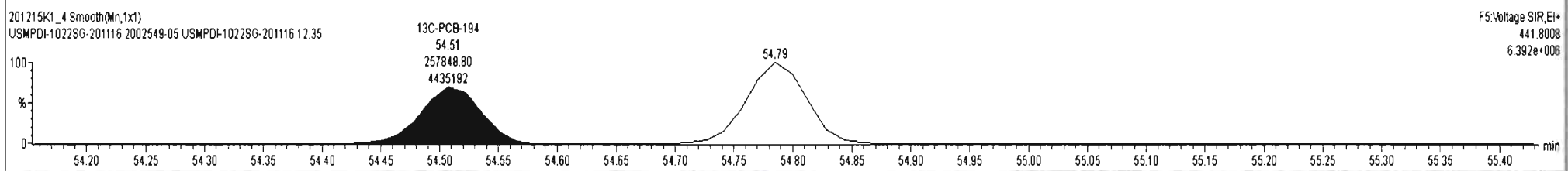
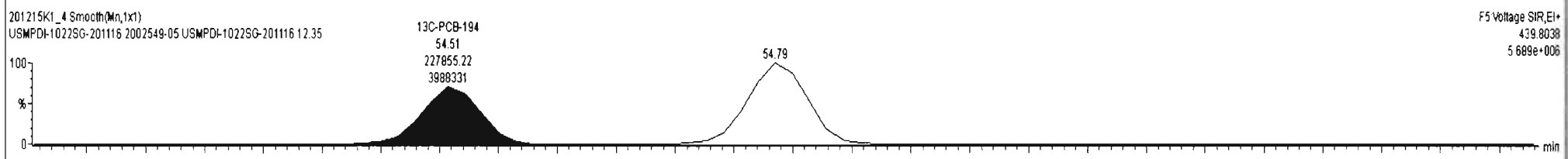
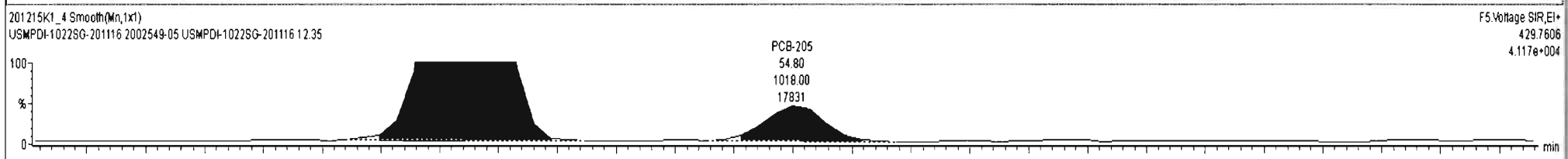
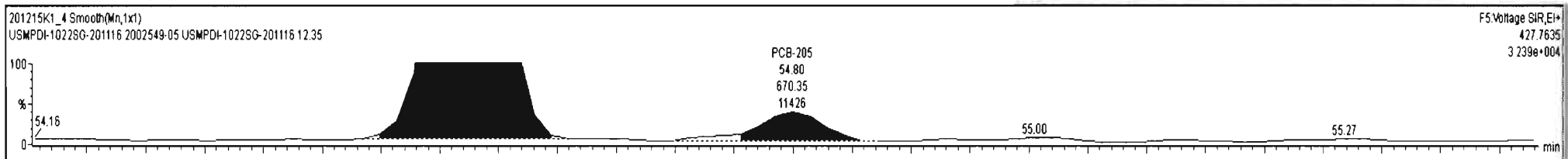
File Edit View Display Processing Window Help

201215K1\_4-2002549-05 USMPDI-1022SG-201116 12.35 - USMPDI-1022SG-201116

#	Name	Resp	IS Resp	IS#	RA	n/y	RF#	wt/wd	Pred RT	RT	RRT	Pred RRT	Check RRT	Conc.	%Rec	DL	EMPC
232	4th Function Hexa-PCBs							5.025	0.00			0.000	NO	2325		9.78	2336
233	Total Hepta-PCBs							5.025	0.00			0.000	NO	1793		8.86	1799
234	4th Function Octa-PCBs							5.025	0.00			0.000	NO	305.2		3.75	309.4
235	5th Function Octa-PCBs							5.025	0.00			0.000	NO	135.9		1.89	140.5
236	Total Nona-PCBs							5.025	0.00			0.000	NO	107.4		1.78	107.4
237	Deca-CB							5.025	0.00			0.000	NO	106.2		0.353	106.2
238	Total PCBs																
239	Total Mono-Isotopes																

#	Name	Pred RT	RT	m1 Resp	m2 Resp	Pred RA	RA	n/y	EMPC	Conc.	Primar...	1° Det...
1	162 PCB-195	53.61	53.62	4.692e3	5.092e3	0.890	0.92	NO	41.878	41.878	bb	bd
2	163 PCB-194	54.52	54.52	1.122e4	1.312e4	0.890	0.86	NO	94.045	94.045	MM	MM
3	164 PCB-205	54.80	54.80	6.703e2	1.018e3	0.890	0.66	YES	4.5962	0.00000	MM	MM

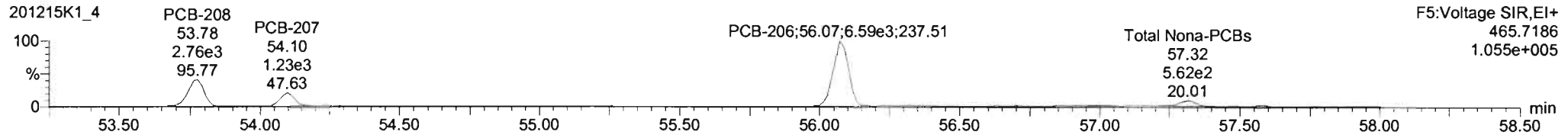
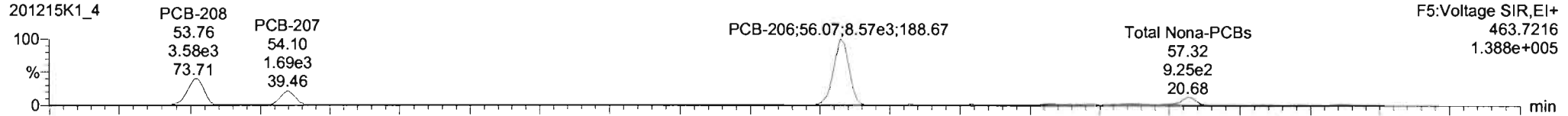


Dataset: Untitled

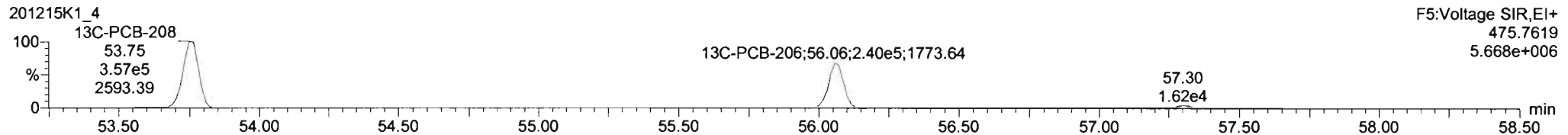
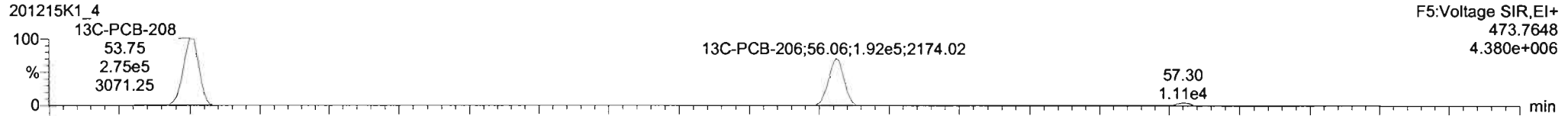
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

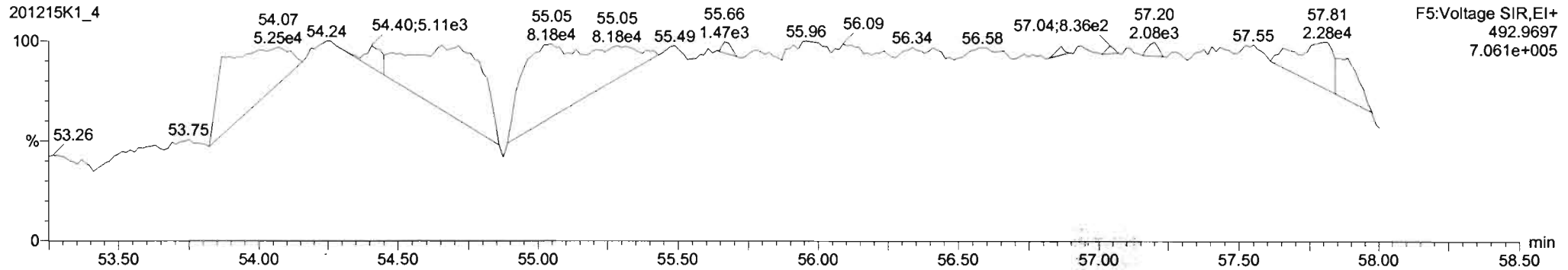
**PCB-208**



**13C-PCB-208**



**PFK5**



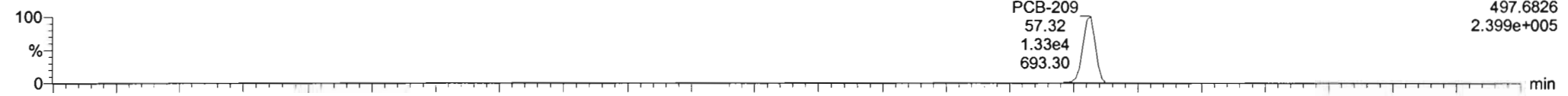
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Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_4, Date: 15-Dec-2020, Time: 19:19:23, ID: 2002549-05 USMPDI-1022SG-201116 12.35, Description: USMPDI-1022SG-201116

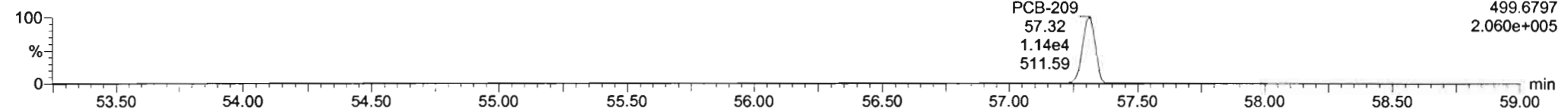
**PCB-209**

201215K1\_4



F5:Voltage SIR,EI+  
497.6826  
2.399e+005

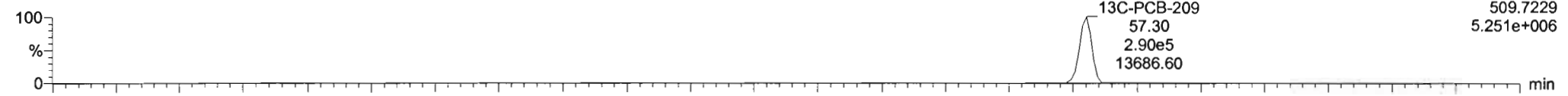
201215K1\_4



F5:Voltage SIR,EI+  
499.6797  
2.060e+005

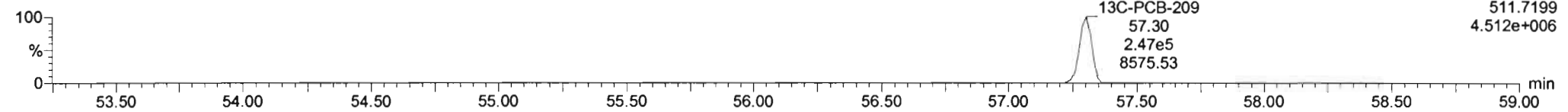
**13C-PCB-209**

201215K1\_4



F5:Voltage SIR,EI+  
509.7229  
5.251e+006

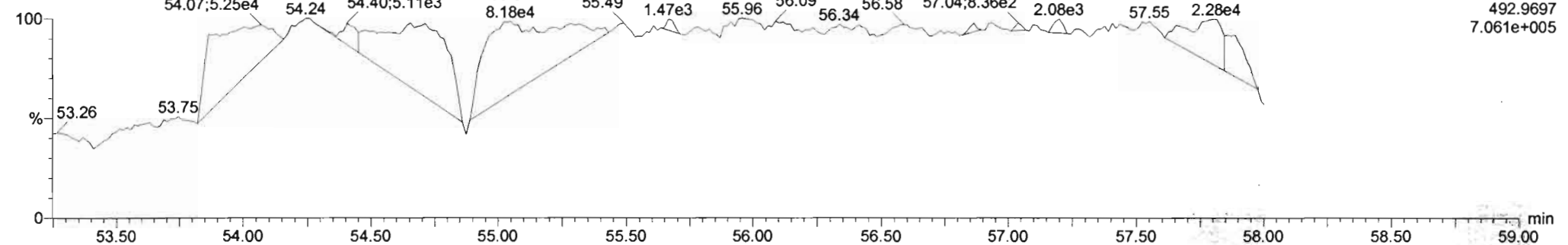
201215K1\_4



F5:Voltage SIR,EI+  
511.7199  
4.512e+006

**PFK5b**

201215K1\_4



F5:Voltage SIR,EI+  
492.9697  
7.061e+005



## **CONTINUING CALIBRATION**

**ANALYTICAL CALIBRATION STANDARDS REVIEW CHECKLIST**

**Begin Calibration ID:** ST201214K27

**Reviewed By:** HLN 12/16/2020

*Initials & Date*

**End Calibration ID:** NA

	<u>Begin</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>HL</u>	<u>HL</u>
<b>Run Log:</b>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Bottle position verified?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Mass resolution  $\geq$**

5k    6-8K    8K    10K

1614   1699   429   1613/1668/8280

	<u>Begin</u>	<u>End</u>
<b>Mass resolution <math>\geq</math></b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Intergrated peaks display correctly?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>GC Break &lt;20%</b>		<input checked="" type="checkbox"/>

**8280 CS1 End Standard:**

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

**Comments:**

(A) 3 masses affected by column bleed

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

Last Altered: Monday, December 14, 2020 16:55:07 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:55:52 Pacific Standard Time

*H2* ~~12~~ 12-14-2020  
HN 12/16/2020

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.86e6	3.08	NO	0.986	1.000	15.43	15.43	1.001	1.001	NO	54.03	108	0.00769	54.03
2	2 PCB-2	1.81e6	3.06	NO	1.02	1.000	17.83	17.83	0.988	0.988	NO	52.76	106	0.00809	52.76
3	3 PCB-3	1.81e6	3.09	NO	1.00	1.000	18.05	18.06	1.001	1.001	NO	53.70	107	0.00825	53.70
4	4 PCB-4/10	2.55e6	1.58	NO	1.21	1.000	19.47	19.47	1.004	1.004	NO	110.8	111	0.0563	110.8
5	5 PCB-7/9	3.10e6	1.57	NO	0.939	1.000	21.26	21.24	1.003	1.002	NO	108.2	108	0.0463	108.2
6	6 PCB-6	1.65e6	1.58	NO	0.996	1.000	21.90	21.90	1.033	1.033	NO	54.22	108	0.0436	54.22
7	7 PCB-5/8	3.24e6	1.56	NO	0.976	1.000	22.31	22.32	1.052	1.053	NO	109.0	109	0.0445	109.0
8	8 PCB-14	1.66e6	1.58	NO	1.02	1.000	23.45	23.44	0.951	0.951	NO	54.01	108	0.0458	54.01
9	9 PCB-11	1.79e6	1.58	NO	1.12	1.000	24.67	24.67	1.001	1.001	NO	53.20	106	0.0420	53.20
10	10 PCB-12/13	3.33e6	1.58	NO	1.02	1.000	25.10	25.04	1.018	1.016	NO	108.8	109	0.0460	108.8
11	11 PCB-15	1.71e6	1.59	NO	1.02	1.000	25.38	25.38	1.030	1.030	NO	55.93	112	0.0461	55.93
12	12 PCB-19	9.28e5	1.02	NO	0.972	1.000	23.64	23.63	1.001	1.001	NO	53.48	107	0.0115	53.48
13	13 PCB-30	1.52e6	1.02	NO	1.54	1.000	24.55	24.55	1.040	1.040	NO	55.21	110	0.00723	55.21
14	14 PCB-18	1.02e6	1.02	NO	0.719	1.000	25.31	25.31	0.952	0.952	NO	53.21	106	0.0110	53.21
15	15 PCB-17	9.63e5	1.02	NO	0.672	1.000	25.48	25.48	0.958	0.958	NO	54.01	108	0.0118	54.01
16	16 PCB-24/27	2.71e6	1.01	NO	0.932	1.000	26.06	26.07	0.980	0.981	NO	109.4	109	0.00852	109.4
17	17 PCB-16/32	2.32e6	1.02	NO	0.824	1.000	26.61	26.61	1.001	1.001	NO	105.9	106	0.00963	105.9
18	18 PCB-34	1.47e6	1.03	NO	0.878	1.000	27.40	27.42	0.958	0.959	NO	60.22	120	0.0404	60.22
19	19 PCB-23	1.29e6	1.04	NO	0.892	1.000	27.50	27.51	0.962	0.962	NO	52.17	104	0.0398	52.17
20	20 PCB-29	1.36e6	1.03	NO	0.861	1.000	27.76	27.77	0.971	0.971	NO	56.98	114	0.0412	56.98
21	21 PCB-26	1.44e6	1.04	NO	0.915	1.000	27.99	28.00	0.979	0.979	NO	56.66	113	0.0388	56.66
22	22 PCB-25	1.45e6	1.04	NO	0.915	1.000	28.14	28.15	0.984	0.984	NO	57.27	115	0.0387	57.27
23	23 PCB-31	1.66e6	1.02	NO	1.03	1.000	28.51	28.52	0.997	0.997	NO	58.15	116	0.0344	58.15
24	24 PCB-28	1.54e6	1.03	NO	1.01	1.000	28.61	28.63	1.001	1.001	NO	54.77	110	0.0350	54.77
25	25 PCB-20/21/33	4.32e6	1.04	NO	0.913	1.000	29.25	29.25	1.023	1.023	NO	170.5	114	0.0388	170.5
26	26 PCB-22	1.51e6	1.03	NO	0.948	1.000	29.69	29.71	1.038	1.039	NO	57.50	115	0.0374	57.50
27	27 PCB-36	1.54e6	1.04	NO	1.07	1.000	30.36	30.34	0.932	0.931	NO	56.88	114	0.0386	56.88
28	28 PCB-39	1.44e6	1.02	NO	1.00	1.000	30.84	30.83	0.946	0.946	NO	56.29	113	0.0411	56.29
29	29 PCB-38	1.50e6	1.03	NO	1.05	1.000	31.63	31.63	0.970	0.970	NO	56.08	112	0.0393	56.08
30	30 PCB-35	1.51e6	1.04	NO	1.05	1.000	32.17	32.17	0.987	0.987	NO	56.85	114	0.0394	56.85
31	31 PCB-37	1.51e6	1.03	NO	1.03	1.000	32.61	32.61	1.001	1.001	NO	57.66	115	0.0401	57.66
32	32 PCB-54	1.15e6	0.76	NO	0.974	1.000	27.46	27.46	1.001	1.001	NO	55.77	112	0.0173	55.77

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

Last Altered: Monday, December 14, 2020 16:55:07 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:55:52 Pacific Standard Time

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	9.41e5	0.76	NO	0.803	1.000	28.66	28.67	1.044	1.045	NO	55.22	110	0.0210	55.22
34	34 PCB-53	8.83e5	0.77	NO	0.939	1.000	29.32	29.34	0.943	0.944	NO	53.32	107	0.0217	53.32
35	35 PCB-51	9.43e5	0.78	NO	1.00	1.000	29.68	29.69	0.955	0.955	NO	53.46	107	0.0204	53.46
36	36 PCB-45	7.44e5	0.75	NO	0.802	1.000	30.13	30.12	0.969	0.969	NO	52.56	105	0.0254	52.56
37	37 PCB-46	7.14e5	0.76	NO	0.770	1.000	30.63	30.64	0.985	0.986	NO	52.53	105	0.0265	52.53
38	38 PCB-52/69	2.10e6	0.76	NO	1.08	1.000	31.12	31.12	1.001	1.001	NO	110.1	110	0.0189	110.1
39	39 PCB-73	1.21e6	0.78	NO	1.31	1.000	31.24	31.25	1.005	1.005	NO	52.66	105	0.0156	52.66
40	40 PCB-43/49	1.76e6	0.76	NO	0.925	1.000	31.41	31.42	1.010	1.011	NO	108.0	108	0.0221	108.0
41	41 PCB-47	8.78e5	0.76	NO	0.863	1.000	31.63	31.63	1.001	1.001	NO	55.54	111	0.0225	55.54
42	42 PCB-48/75	2.06e6	0.76	NO	1.04	1.000	31.76	31.74	1.005	1.004	NO	108.5	108	0.0187	108.5
43	43 PCB-65	1.15e6	0.75	NO	1.16	1.000	32.04	32.02	1.014	1.013	NO	54.03	108	0.0167	54.03
44	44 PCB-62	1.08e6	0.77	NO	1.04	1.000	32.13	32.13	1.016	1.016	NO	56.76	114	0.0187	56.76
45	45 PCB-44	7.63e5	0.77	NO	0.757	1.000	32.46	32.44	1.027	1.026	NO	54.96	110	0.0256	54.96
46	46 PCB-42/59	1.95e6	0.77	NO	0.975	1.000	32.69	32.69	1.034	1.034	NO	109.3	109	0.0199	109.3
47	47 PCB-41/64/71/72	4.41e6	0.76	NO	1.12	1.000	33.29	33.28	1.053	1.053	NO	215.5	108	0.0174	215.5
48	48 PCB-68	1.19e6	0.77	NO	1.19	1.000	33.56	33.56	1.062	1.062	NO	54.58	109	0.0163	54.58
49	49 PCB-40	5.70e5	0.76	NO	0.572	1.000	33.79	33.77	1.069	1.068	NO	54.38	109	0.0339	54.38
50	50 PCB-57	1.25e6	0.77	NO	1.08	1.000	34.14	34.16	0.969	0.969	NO	53.87	108	0.0158	53.87
51	51 PCB-67	1.21e6	0.76	NO	1.02	1.000	34.45	34.47	0.978	0.978	NO	55.24	110	0.0167	55.24
52	52 PCB-58	1.23e6	0.77	NO	1.08	1.000	34.57	34.58	0.981	0.981	NO	52.44	105	0.0157	52.44
53	53 PCB-63	1.16e6	0.75	NO	0.971	1.000	34.74	34.75	0.986	0.986	NO	55.22	110	0.0175	55.22
54	54 PCB-74	1.25e6	0.74	NO	1.09	1.000	35.04	35.03	0.994	0.994	NO	53.06	106	0.0156	53.06
55	55 PCB-61/70	2.32e6	0.76	NO	0.978	1.000	35.25	35.26	1.000	1.001	NO	109.7	110	0.0174	109.7
56	56 PCB-76/66	2.52e6	0.76	NO	1.07	1.000	35.43	35.42	1.005	1.005	NO	108.7	109	0.0159	108.7
57	57 PCB-80	1.33e6	0.76	NO	1.08	1.000	35.71	35.70	1.001	1.001	NO	55.81	112	0.0158	55.81
58	58 PCB-55	1.29e6	0.77	NO	1.06	1.000	36.04	36.02	1.010	1.009	NO	54.88	110	0.0160	54.88
59	59 PCB-56/60	2.25e6	0.76	NO	0.946	1.000	36.55	36.52	1.024	1.023	NO	107.5	107	0.0180	107.5
60	60 PCB-79	1.28e6	0.77	NO	1.06	1.000	37.65	37.64	1.055	1.055	NO	54.68	109	0.0161	54.68
61	61 PCB-78	1.19e6	0.76	NO	1.01	1.000	38.36	38.36	0.987	0.987	NO	54.90	110	0.0180	54.90
62	62 PCB-81	1.09e6	0.76	NO	0.941	1.000	38.90	38.90	1.000	1.000	NO	53.81	108	0.0193	53.81
63	63 PCB-77	1.18e6	0.77	NO	1.03	1.000	39.52	39.52	1.000	1.000	NO	55.25	111	0.0183	55.25
64	64 PCB-104	1.07e6	1.55	NO	0.982	1.000	32.30	32.30	1.001	1.001	NO	52.44	105	0.454	52.44
65	65 PCB-96	1.07e6	1.57	NO	0.982	1.000	33.59	33.60	1.041	1.041	NO	52.06	104	0.454	52.06
66	66 PCB-103	8.26e5	1.54	NO	0.770	1.000	34.15	34.16	1.058	1.058	NO	51.43	103	0.579	51.43
67	67 PCB-100	8.52e5	1.56	NO	0.805	1.000	34.52	34.53	1.070	1.070	NO	50.70	101	0.554	50.70
68	68 PCB-94	6.75e5	1.57	NO	0.831	1.000	35.01	35.01	0.985	0.985	NO	51.94	104	0.731	51.94

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Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

Last Altered: Monday, December 14, 2020 16:55:07 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:55:52 Pacific Standard Time

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	2.56e6	1.55	NO	1.07	1.000	35.50	35.50	0.999	0.998	NO	152.8	102	0.567	152.8
70	70 PCB-93	6.86e5	1.56	NO	0.761	1.000	35.65	35.65	1.003	1.003	NO	57.54	115	0.797	57.54
71	71 PCB-88/91	1.47e6	1.53	NO	0.910	1.000	35.98	35.98	1.012	1.012	NO	103.4	103	0.667	103.4
72	72 PCB-121	1.21e6	1.55	NO	1.46	1.000	36.09	36.07	1.015	1.015	NO	52.83	106	0.414	52.83
73	73 PCB-84/92	1.41e6	1.53	NO	0.826	1.000	36.91	36.91	0.990	0.990	NO	106.3	106	0.727	106.3
74	74 PCB-89	7.56e5	1.54	NO	0.885	1.000	37.09	37.12	0.995	0.995	NO	53.31	107	0.678	53.31
75	75 PCB-90/101	1.50e6	1.53	NO	0.905	1.000	37.30	37.30	1.000	1.000	NO	103.5	104	0.663	103.5
76	76 PCB-113	1.03e6	1.52	NO	1.26	1.000	37.54	37.54	1.007	1.007	NO	51.20	102	0.477	51.20
77	77 PCB-99	9.44e5	1.51	NO	0.993	1.000	37.64	37.66	1.010	1.010	NO	59.29	119	0.604	59.29
78	78 PCB-119	1.07e6	1.54	NO	1.53	1.000	38.14	38.12	0.987	0.987	NO	52.22	104	0.486	52.22
79	79 PCB-108/112	1.80e6	1.55	NO	1.25	1.000	38.30	38.29	0.991	0.991	NO	107.9	108	0.597	107.9
80	80 PCB-83	1.10e6	1.56	NO	1.56	1.000	38.46	38.46	0.995	0.995	NO	53.03	106	0.478	53.03
81	81 PCB-97	7.67e5	1.56	NO	1.12	1.000	38.66	38.66	1.000	1.000	NO	51.12	102	0.662	51.12
82	82 PCB-86	6.80e5	1.55	NO	1.06	1.000	38.81	38.81	1.004	1.004	NO	48.09	96.2	0.703	48.09
83	83 PCB-87/117/125	2.93e6	1.55	NO	1.34	1.000	38.95	38.94	1.008	1.008	NO	163.6	109	0.555	163.6
84	84 PCB-111/115	2.26e6	1.54	NO	1.62	1.000	39.11	39.11	1.012	1.012	NO	104.4	104	0.460	104.4
85	85 PCB-85/116	1.73e6	1.55	NO	1.23	1.000	39.23	39.22	1.015	1.015	NO	105.1	105	0.604	105.1
86	86 PCB-120	1.21e6	1.55	NO	1.79	1.000	39.50	39.48	1.022	1.022	NO	50.51	101	0.415	50.51
87	87 PCB-110	1.08e6	1.57	NO	1.50	1.000	39.65	39.63	1.026	1.026	NO	53.67	107	0.496	53.67
88	88 PCB-82	6.33e5	1.55	NO	0.638	1.000	40.29	40.26	0.976	0.975	NO	52.86	106	0.795	52.86
89	89 PCB-124	1.09e6	1.53	NO	1.08	1.000	41.00	40.99	0.993	0.993	NO	53.60	107	0.470	53.60
90	90 PCB-107/109	2.19e6	1.57	NO	1.11	1.000	41.14	41.14	0.996	0.996	NO	105.1	105	0.457	105.1
91	91 PCB-123	9.81e5	1.54	NO	1.00	1.000	41.31	41.30	1.000	1.000	NO	52.18	104	0.506	52.18
92	92 PCB-106/118	2.11e6	1.52	NO	1.02	1.000	41.51	41.53	1.001	1.001	NO	106.2	106	0.484	106.2
93	93 PCB-114	9.82e5	1.58	NO	1.08	1.000	42.17	42.17	1.000	1.000	NO	56.59	113	0.0242	56.59
94	94 PCB-122	8.35e5	1.59	NO	0.930	1.000	42.32	42.30	1.004	1.004	NO	56.02	112	0.0282	56.02
95	95 PCB-105	9.65e5	1.56	NO	1.03	1.000	43.06	43.06	1.000	1.000	NO	56.73	113	0.0250	56.73
96	96 PCB-127	1.04e6	1.58	NO	1.06	1.000	43.42	43.42	1.000	1.000	NO	55.55	111	0.0233	55.55
97	97 PCB-126	1.12e6	1.59	NO	1.15	1.000	45.37	45.37	1.000	1.000	NO	56.28	113	0.0219	56.28
98	98 PCB-155	8.55e5	1.28	NO	0.853	1.000	36.84	36.84	1.000	1.000	NO	54.22	108	0.00658	54.22
99	99 PCB-150	8.92e5	1.27	NO	0.934	1.000	38.14	38.14	1.036	1.036	NO	51.61	103	0.00601	51.61
100	1... PCB-152	9.96e5	1.24	NO	1.02	1.000	38.64	38.62	1.049	1.049	NO	52.86	106	0.00551	52.86
101	1... PCB-145	9.80e5	1.27	NO	0.983	1.000	39.11	39.09	1.062	1.062	NO	53.89	108	0.00571	53.89
102	1... PCB-136	8.31e5	1.25	NO	0.881	1.000	39.42	39.42	1.071	1.071	NO	50.99	102	0.00637	50.99
103	1... PCB-148	6.85e5	1.29	NO	0.666	1.000	39.55	39.53	1.074	1.074	NO	55.54	111	0.00843	55.54
104	1... PCB-154	7.23e5	1.27	NO	0.721	1.000	40.06	40.06	1.088	1.088	NO	54.19	108	0.00779	54.19

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Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

Last Altered: Monday, December 14, 2020 16:55:07 Pacific Standard Time  
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Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	6.15e5	1.26	NO	0.674	1.000	40.72	40.71	1.106	1.106	NO	49.34	98.7	0.00833	49.34
106	1... PCB-135	6.72e5	1.26	NO	0.723	1.000	40.95	40.93	1.112	1.112	NO	50.26	101	0.00776	50.26
107	1... PCB-144	6.53e5	1.26	NO	0.691	1.000	41.04	41.04	1.115	1.115	NO	51.02	102	0.00812	51.02
108	1... PCB-147	6.45e5	1.26	NO	0.713	1.000	41.19	41.17	1.119	1.118	NO	48.89	97.8	0.00788	48.89
109	1... PCB-139/149	1.47e6	1.26	NO	0.773	1.000	41.47	41.45	1.126	1.126	NO	103.1	103	0.00726	103.1
110	1... PCB-140	6.36e5	1.25	NO	0.652	1.000	41.66	41.64	1.131	1.131	NO	52.72	105	0.00861	52.72
111	1... PCB-134/143	1.16e6	1.23	NO	0.718	1.000	42.09	42.09	0.974	0.974	NO	108.8	109	0.0445	108.8
112	1... PCB-131/133	1.25e6	1.25	NO	0.768	1.000	42.41	42.40	0.982	0.981	NO	109.7	110	0.0416	109.7
113	1... PCB-142	5.73e5	1.24	NO	0.687	1.000	42.57	42.57	0.985	0.985	NO	56.06	112	0.0465	56.06
114	1... PCB-146/165	1.53e6	1.25	NO	0.943	1.000	42.81	42.79	0.991	0.990	NO	109.3	109	0.0339	109.3
115	1... PCB-132/161	1.55e6	1.24	NO	0.957	1.000	43.06	43.04	0.997	0.996	NO	108.6	109	0.0334	108.6
116	1... PCB-153	8.08e5	1.23	NO	0.990	1.000	43.25	43.23	1.001	1.000	NO	54.92	110	0.0323	54.92
117	1... PCB-168	8.46e5	1.26	NO	1.03	1.000	43.46	43.46	1.006	1.006	NO	54.98	110	0.0309	54.98
118	1... PCB-141	6.27e5	1.25	NO	0.948	1.000	43.99	43.99	1.000	1.000	NO	53.54	107	0.0407	53.54
119	1... PCB-137	6.72e5	1.25	NO	0.964	1.000	44.36	44.38	1.009	1.009	NO	56.47	113	0.0400	56.47
120	1... PCB-130	5.42e5	1.25	NO	0.816	1.000	44.48	44.50	1.012	1.012	NO	53.74	107	0.0472	53.74
121	1... PCB-138/163/164	2.47e6	1.23	NO	1.15	1.000	44.90	44.88	1.001	1.001	NO	164.9	110	0.0321	164.9
122	1... PCB-158/160	1.69e6	1.24	NO	1.14	1.000	45.14	45.12	1.007	1.006	NO	114.3	114	0.0325	114.3
123	1... PCB-129	5.89e5	1.25	NO	0.807	1.000	45.39	45.37	1.012	1.012	NO	56.33	113	0.0459	56.33
124	1... PCB-166	9.22e5	1.24	NO	1.03	1.000	45.85	45.84	0.993	0.993	NO	55.87	112	0.0302	55.87
125	1... PCB-159	9.58e5	1.23	NO	1.10	1.000	46.18	46.18	1.000	1.000	NO	54.57	109	0.0284	54.57
126	1... PCB-128/162	1.46e6	1.24	NO	0.836	1.000	46.47	46.49	1.007	1.007	NO	109.1	109	0.0373	109.1
127	1... PCB-167	8.72e5	1.24	NO	0.960	1.000	46.88	46.88	1.000	1.000	NO	54.78	110	0.0301	54.78
128	1... PCB-156	9.23e5	1.24	NO	1.06	1.000	48.21	48.21	1.000	1.000	NO	53.65	107	0.0286	53.65
129	1... PCB-157	8.51e5	1.22	NO	0.960	1.000	48.50	48.50	1.000	1.000	NO	53.71	107	0.0314	53.71
130	1... PCB-169	9.21e5	1.24	NO	1.04	1.000	50.77	50.77	1.000	1.000	NO	54.59	109	0.0306	54.59
131	1... PCB-188	8.99e5	1.02	NO	1.15	1.000	42.85	42.85	1.001	1.001	NO	54.44	109	0.0335	54.44
132	1... PCB-184	8.64e5	1.03	NO	1.14	1.000	43.30	43.31	1.011	1.012	NO	52.78	106	0.0338	52.78
133	1... PCB-179	8.88e5	1.03	NO	1.07	1.000	44.10	44.10	1.030	1.030	NO	57.55	115	0.0358	57.55
134	1... PCB-176	8.85e5	1.04	NO	1.11	1.000	44.57	44.59	1.041	1.042	NO	55.36	111	0.0346	55.36
135	1... PCB-186	1.01e6	1.04	NO	1.23	1.000	45.20	45.22	1.056	1.056	NO	57.21	114	0.0313	57.21
136	1... PCB-178	6.53e5	1.02	NO	0.830	1.000	45.73	45.73	1.068	1.068	NO	54.73	109	0.0464	54.73
137	1... PCB-175	6.60e5	1.05	NO	0.853	1.000	46.07	46.09	1.076	1.077	NO	53.84	108	0.0452	53.84
138	1... PCB-182/187	1.52e6	1.03	NO	0.942	1.000	46.26	46.26	1.081	1.081	NO	112.2	112	0.0409	112.2
139	1... PCB-183	7.17e5	1.03	NO	0.910	1.000	46.58	46.60	1.088	1.089	NO	54.83	110	0.0423	54.83
140	1... PCB-185	6.72e5	1.05	NO	1.24	1.000	47.28	47.26	0.954	0.954	NO	53.55	107	0.0436	53.55

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

Last Altered: Monday, December 14, 2020 16:55:07 Pacific Standard Time  
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Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	6.49e5	1.02	NO	1.20	1.000	47.66	47.64	0.962	0.962	NO	53.50	107	0.0451	53.50
142	1... PCB-181	7.07e5	1.02	NO	1.33	1.000	47.76	47.76	0.964	0.964	NO	52.48	105	0.0406	52.48
143	1... PCB-177	6.12e5	1.02	NO	1.14	1.000	47.95	47.93	0.968	0.967	NO	52.91	106	0.0474	52.91
144	1... PCB-171	6.41e5	1.03	NO	1.22	1.000	48.24	48.23	0.974	0.974	NO	52.01	104	0.0444	52.01
145	1... PCB-173	5.66e5	1.01	NO	1.07	1.000	48.69	48.67	0.983	0.982	NO	52.34	105	0.0506	52.34
146	1... PCB-172	6.58e5	1.03	NO	1.26	1.000	49.14	49.14	0.992	0.992	NO	51.68	103	0.0430	51.68
147	1... PCB-192	8.71e5	1.03	NO	1.61	1.000	49.35	49.33	0.996	0.996	NO	53.28	107	0.0335	53.28
148	1... PCB-180	6.91e5	1.02	NO	1.30	1.000	49.56	49.56	1.000	1.000	NO	52.42	105	0.0415	52.42
149	1... PCB-193	7.87e5	1.01	NO	1.47	1.000	49.76	49.76	1.004	1.005	NO	52.80	106	0.0367	52.80
150	1... PCB-191	8.09e5	1.06	NO	1.51	1.000	50.03	50.03	1.010	1.010	NO	53.07	106	0.0359	53.07
151	1... PCB-170	5.77e5	1.02	NO	1.23	1.000	51.21	51.22	1.000	1.001	NO	51.69	103	0.0477	51.69
152	1... PCB-190	8.02e5	1.03	NO	1.61	1.000	51.42	51.41	1.005	1.004	NO	54.94	110	0.0365	54.94
153	1... PCB-189	8.18e5	1.04	NO	1.27	1.000	52.91	52.91	1.000	1.000	NO	53.91	108	0.0314	53.91
154	1... PCB-202	8.35e5	0.89	NO	0.995	1.000	48.46	48.44	1.001	1.000	NO	53.36	107	0.0143	53.36
155	1... PCB-201	7.61e5	0.88	NO	0.904	1.000	48.93	48.95	1.010	1.011	NO	53.51	107	0.0157	53.51
156	1... PCB-204	8.08e5	0.87	NO	0.955	1.000	49.08	49.10	1.014	1.014	NO	53.81	108	0.0149	53.81
157	1... PCB-197	7.99e5	0.90	NO	0.964	1.000	49.40	49.40	1.020	1.020	NO	52.67	105	0.0147	52.67
158	1... PCB-200	7.74e5	0.88	NO	0.911	1.000	50.33	50.35	1.039	1.040	NO	54.01	108	0.0156	54.01
159	1... PCB-198	5.81e5	0.90	NO	0.696	1.000	51.89	51.91	1.072	1.072	NO	53.12	106	0.0204	53.12
160	1... PCB-199	5.79e5	0.89	NO	0.706	1.000	52.02	52.02	1.074	1.074	NO	52.10	104	0.0201	52.10
161	1... PCB-196/203	1.21e6	0.90	NO	0.754	1.000	52.32	52.32	1.081	1.081	NO	101.6	102	0.0188	101.6
162	1... PCB-195	5.23e5	0.90	NO	0.957	1.000	53.62	53.62	0.984	0.983	NO	56.10	112	0.0304	56.10
163	1... PCB-194	5.67e5	0.90	NO	1.06	1.000	54.54	54.54	1.000	1.000	NO	54.96	110	0.0274	54.96
164	1... PCB-205	7.05e5	0.90	NO	1.27	1.000	54.81	54.80	1.005	1.005	NO	57.10	114	0.0229	57.10
165	1... PCB-208	6.08e5	1.34	NO	0.861	1.000	53.76	53.78	1.000	1.001	NO	55.77	112	0.0291	55.77
166	1... PCB-207	5.97e5	1.35	NO	0.849	1.000	54.10	54.10	1.007	1.007	NO	55.50	111	0.0295	55.50
167	1... PCB-206	4.56e5	1.35	NO	0.951	1.000	56.07	56.07	1.000	1.000	NO	54.72	109	0.0357	54.72
168	1... PCB-209	5.19e5	1.17	NO	0.863	1.000	57.30	57.30	1.000	1.000	NO	52.82	106	0.00371	52.82
169	1... 13C-PCB-1	3.49e6	3.18	NO	0.937	1.000	15.42	15.42	0.608	0.608	NO	114.0	114	0.0404	
170	1... 13C-PCB-3	3.36e6	3.24	NO	0.934	1.000	18.05	18.04	0.712	0.712	NO	110.0	110	0.0405	
171	1... 13C-PCB-4	1.91e6	1.57	NO	0.599	1.000	19.40	19.39	0.765	0.765	NO	97.38	97.4	0.0311	
172	1... 13C-PCB-9	3.05e6	1.57	NO	0.960	1.000	21.21	21.20	0.836	0.836	NO	97.18	97.2	0.0194	
173	1... 13C-PCB-11	3.01e6	1.60	NO	0.929	1.000	24.64	24.65	0.971	0.972	NO	98.96	99.0	0.0201	
174	1... 13C-PCB-19	1.78e6	1.01	NO	0.506	1.000	23.61	23.61	0.931	0.931	NO	107.7	108	0.286	
175	1... 13C-PCB-32	2.66e6	1.03	NO	0.738	1.000	26.60	26.59	1.049	1.048	NO	110.0	110	0.196	
176	1... 13C-PCB-28	2.78e6	0.93	NO	1.06	1.000	28.61	28.59	1.004	1.003	NO	99.16	99.2	0.172	

Handwritten notes: 75-1257 (circled), 1457 (circled), and a vertical line with arrows pointing to rows 141-176.

Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

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Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	2.54e6	1.04	NO	0.979	1.000	32.59	32.59	1.143	1.144	NO	98.28	98.3	0.186	
178	1... 13C-PCB-54	2.12e6	0.77	NO	0.981	1.000	27.44	27.44	0.751	0.751	NO	98.09	98.1	0.0466	
179	1... 13C-PCB-52	1.76e6	0.77	NO	0.786	1.000	31.10	31.09	0.852	0.851	NO	101.7	102	0.0581	
180	1... 13C-PCB-47	1.83e6	0.78	NO	0.833	1.000	31.61	31.61	0.866	0.865	NO	99.73	99.7	0.0549	
181	1... 13C-PCB-70	2.16e6	0.78	NO	0.981	1.000	35.25	35.24	0.965	0.965	NO	99.93	99.9	0.0466	
182	1... 13C-PCB-80	2.21e6	0.79	NO	1.01	1.000	35.68	35.68	0.977	0.977	NO	98.95	99.0	0.0451	
183	1... 13C-PCB-81	2.16e6	0.77	NO	0.995	1.000	38.88	38.88	1.064	1.065	NO	98.33	98.3	0.0459	
184	1... 13C-PCB-77	2.08e6	0.77	NO	0.977	1.000	39.50	39.50	1.082	1.082	NO	96.26	96.3	0.0468	
185	1... 13C-PCB-104	2.09e6	1.56	NO	1.00	1.000	32.30	32.28	0.826	0.826	NO	105.9	106	0.0258	
186	1... 13C-PCB-95	1.56e6	1.57	NO	0.779	1.000	35.55	35.55	0.910	0.910	NO	102.4	102	0.0332	
187	1... 13C-PCB-101	1.60e6	1.57	NO	0.833	1.000	37.30	37.28	0.954	0.954	NO	98.05	98.1	0.0311	
188	1... 13C-PCB-97	1.34e6	1.58	NO	0.679	1.000	38.64	38.64	0.988	0.989	NO	100.3	100	0.0381	
189	1... 13C-PCB-123	1.88e6	1.52	NO	0.970	1.000	41.28	41.28	1.056	1.056	NO	98.73	98.7	0.0267	
190	1... 13C-PCB-118	1.94e6	1.60	NO	1.00	1.000	41.47	41.47	1.061	1.061	NO	98.94	98.9	0.0259	
191	1... 13C-PCB-114	1.60e6	1.58	NO	1.55	1.000	42.14	42.15	0.908	0.908	NO	89.66	89.7	0.0327	
192	1... 13C-PCB-105	1.64e6	1.55	NO	1.59	1.000	43.02	43.04	0.927	0.927	NO	89.49	89.5	0.0318	
193	1... 13C-PCB-127	1.77e6	1.57	NO	1.66	1.000	43.39	43.40	0.934	0.935	NO	92.49	92.5	0.0305	
194	1... 13C-PCB-126	1.73e6	1.56	NO	1.65	1.000	45.33	45.35	0.976	0.977	NO	90.93	90.9	0.0307	
195	1... 13C-PCB-155	1.85e6	1.26	NO	0.819	1.000	36.81	36.82	0.942	0.942	NO	115.1	115	0.0159	
196	1... 13C-PCB-153	1.49e6	1.24	NO	1.31	1.000	43.20	43.21	0.930	0.931	NO	98.11	98.1	0.0525	
197	1... 13C-PCB-141	1.24e6	1.27	NO	1.08	1.000	43.97	43.97	0.947	0.947	NO	98.74	98.7	0.0636	
198	1... 13C-PCB-138	1.30e6	1.25	NO	1.15	1.000	44.82	44.84	0.965	0.966	NO	97.50	97.5	0.0598	
199	1... 13C-PCB-159	1.60e6	1.26	NO	1.39	1.000	46.16	46.17	0.994	0.994	NO	99.50	99.5	0.0494	
200	2... 13C-PCB-167	1.66e6	1.23	NO	1.43	1.000	46.86	46.87	1.009	1.009	NO	100.7	101	0.0483	
201	2... 13C-PCB-156	1.62e6	1.27	NO	1.34	1.000	48.20	48.19	1.038	1.038	NO	104.7	105	0.0515	
202	2... 13C-PCB-157	1.65e6	1.28	NO	1.36	1.000	48.46	48.48	1.044	1.044	NO	105.2	105	0.0507	
203	2... 13C-PCB-169	1.62e6	1.27	NO	1.33	1.000	50.73	50.75	1.092	1.093	NO	105.6	106	0.0517	
204	2... 13C-PCB-188	1.44e6	0.45	NO	1.39	1.000	42.81	42.81	0.925	0.925	NO	96.56	96.6	0.0355	
205	2... 13C-PCB-180	1.01e6	0.44	NO	0.907	1.000	49.53	49.54	1.071	1.071	NO	104.4	104	0.0544	
206	2... 13C-PCB-170	9.07e5	0.45	NO	0.823	1.000	51.18	51.19	1.106	1.106	NO	103.0	103	0.0599	
207	2... 13C-PCB-189	1.19e6	0.46	NO	1.08	1.000	52.88	52.89	1.143	1.143	NO	103.6	104	0.0458	
208	2... 13C-PCB-202	1.57e6	0.93	NO	1.23	1.000	48.41	48.42	1.046	1.047	NO	119.3	119	0.0440	
209	2... 13C-PCB-194	9.73e5	0.90	NO	0.710	1.000	54.52	54.52	0.995	0.995	NO	100.3	100	0.0545	
210	2... 13C-PCB-208	1.27e6	0.79	NO	0.865	1.000	53.76	53.75	0.981	0.981	NO	107.0	107	0.0576	
211	2... 13C-PCB-206	8.75e5	0.78	NO	0.623	1.000	56.07	56.06	1.023	1.023	NO	102.8	103	0.0801	
212	2... 13C-PCB-209	1.14e6	1.20	NO	0.725	1.000	57.31	57.30	1.046	1.046	NO	114.9	115	0.0120	

Handwritten blue arrow pointing from the %Rec column (row 177) down to row 212.



Dataset: U:\VG11.PRO\Results\201214K2\201214K2-1.qld

Last Altered: Monday, December 14, 2020 16:55:07 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:55:52 Pacific Standard Time

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.27e6	1.56	NO	1.00	1.000	25.39	25.36	1.000	0.000	NO	100.0	100	0.0187	
214	2... 13C-PCB-31	2.64e6	1.15	NO	1.00	1.000	28.52	28.50	1.000	0.000	NO	100.0	100	0.182	
215	2... 13C-PCB-60	2.21e6	0.79	NO	1.00	1.000	36.54	36.52	1.000	0.000	NO	100.0	100	0.0457	
216	2... 13C-PCB-111	1.96e6	1.60	NO	1.00	1.000	39.11	39.09	1.000	0.000	NO	100.0	100	0.0259	
217	2... 13C-PCB-128	1.15e6	1.29	NO	1.00	1.000	46.47	46.43	1.000	0.000	NO	100.0	100	0.0689	
218	2... 13C-PCB-182	1.07e6	0.45	NO	1.00	1.000	46.30	46.26	0.000	0.000	NO	100.0	100	0.0493	
219	2... 13C-PCB-205	1.37e6	0.91	NO	1.00	1.000	54.81	54.78	1.000	0.000	NO	100.0	100	0.0387	
220	2... 13C-PCB-79	2.28e6	0.78	NO	1.04	1.000	37.62	37.62	1.030	1.030	NO	99.64	99.6	0.0441	75-1257
221	2... 13C-PCB-178	9.84e5	0.45	NO	0.774	1.000	45.70	45.71	0.988	0.988	NO	110.1	110	0.0620	h
222	2... 13C-PCB-79	2.28e6	0.78	NO	1.04	1.000	37.63	37.62	0.968	0.967	NO	101.3	101	0.0461	
223	2... 13C-PCB-178	9.83e5	0.45	NO	1.02	1.000	45.71	45.71	0.923	0.923	NO	95.37	95.4	0.0530	

Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:49:13 Pacific Standard Time

Printed: Tuesday, December 15, 2020 07:51:47 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

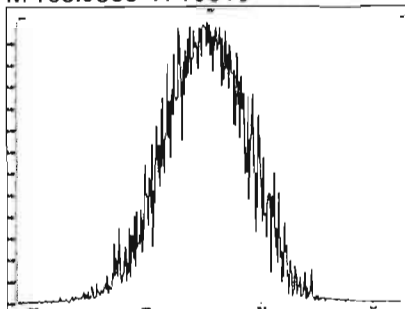
Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	201214K2_1	ST201214K2-1 PCB 209 CS3 20J1217	14-Dec-20	14:19:07
2	201214K2_2	B0L0053-BS1 OPR 5	14-Dec-20	15:19:19
3	201214K2_3	SOLVENT BLANK	14-Dec-20	16:18:59
4	201214K2_4	B0L0053-BLK1 Method Blank 5	14-Dec-20	17:19:18
5	201214K2_5	2002510-07 MdRH-G 1.06014	14-Dec-20	18:19:37
6	201214K2_6	2002545-01 OWS-BAFA-T201113105719 0.9...	14-Dec-20	19:19:55
7	201214K2_7	2002545-02 OWS-LHAL-T201112121320 0.96...	14-Dec-20	20:20:13
8	201214K2_8	2002545-03 OWS-LHPO-T201112121359 0.9...	14-Dec-20	21:20:30
9	201214K2_9	2002545-04 OWS-ROIS-T201113105804 0.97...	14-Dec-20	22:20:48
10	201214K2_10	2002545-05 OWS-SCHU-T201110121632 1.0...	14-Dec-20	23:21:06
11	201214K2_11	2002545-06 OWS-THIS-T201110121705 1.00...	15-Dec-20	00:21:23
12	201214K2_12	2002545-07 OWS-WAFO-T201110121600 0.9...	15-Dec-20	01:21:39

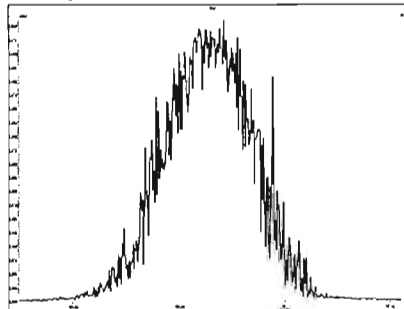
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Monday, December 14, 2020 14:15:11 Pacific Standard Time

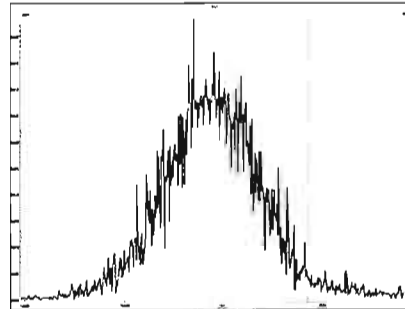
M 168.9888 R 10819



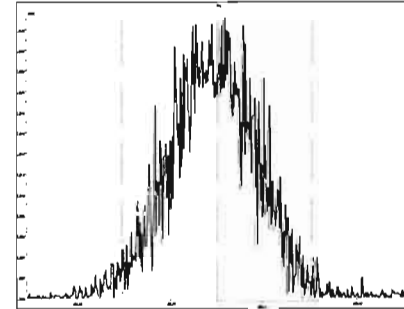
M 180.9888 R 10459



M 192.9888 R 10684



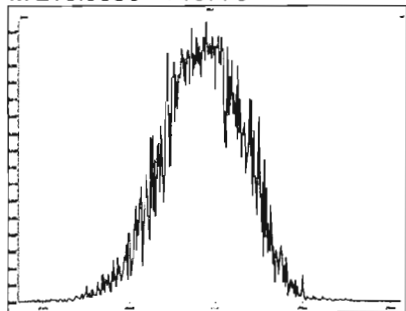
M 204.9888 R 11906



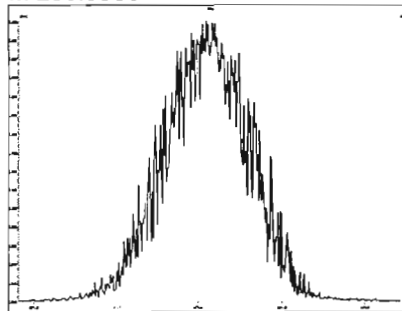
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Monday, December 14, 2020 14:15:36 Pacific Standard Time

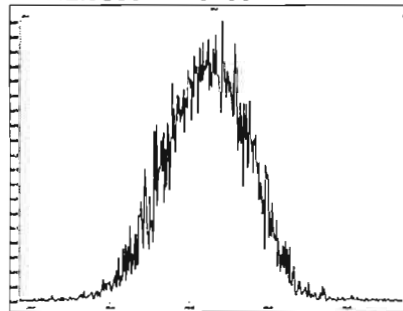
M 218.9856 R 10776



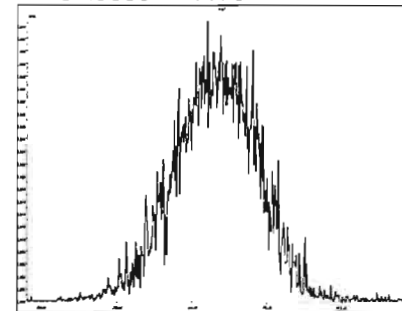
M 230.9856 R 10821



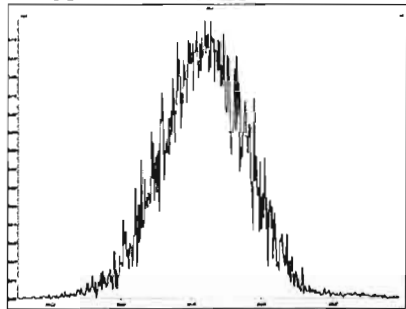
M 242.9856 R 10460



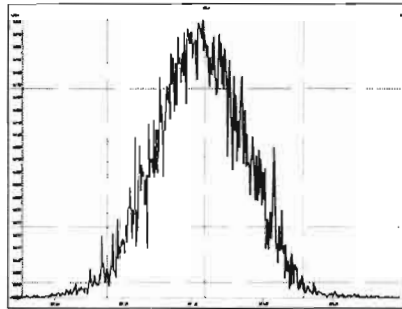
M 254.9856 R 11794



M 268.9824 R 10726



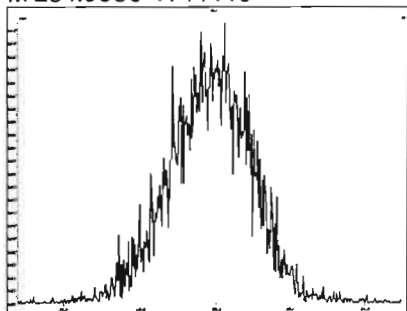
M 280.9824 R 10918



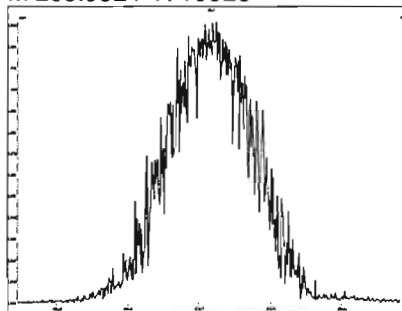
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Printed: Monday, December 14, 2020 14:16:33 Pacific Standard Time

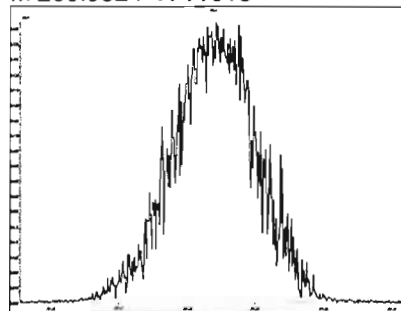
M 254.9856 R 11110



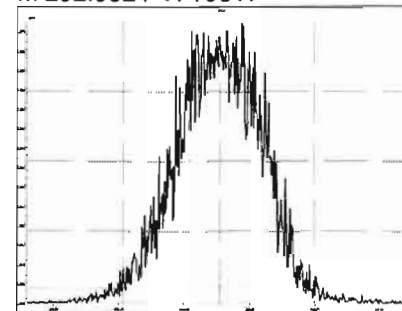
M 268.9824 R 10328



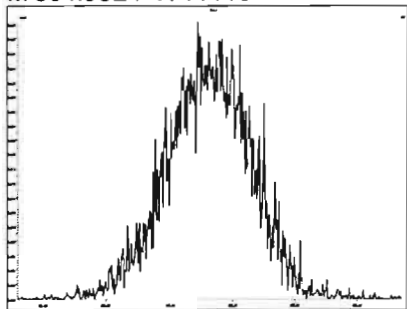
M 280.9824 R 11015



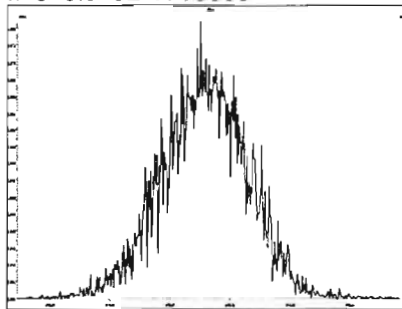
M 292.9824 R 10817



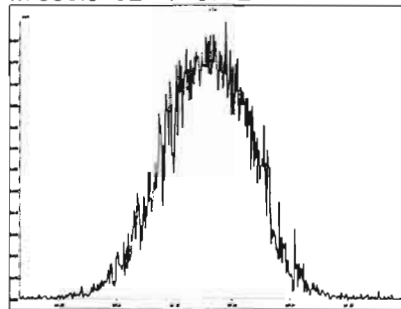
M 304.9824 R 11110



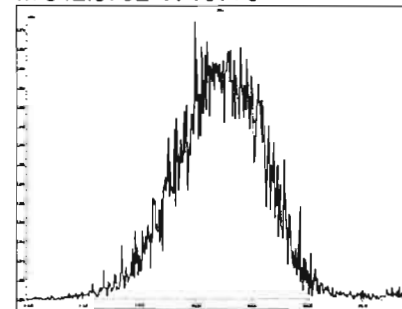
M 318.9792 R 10003



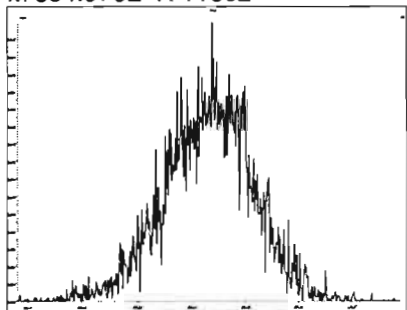
M 330.9792 R 10772



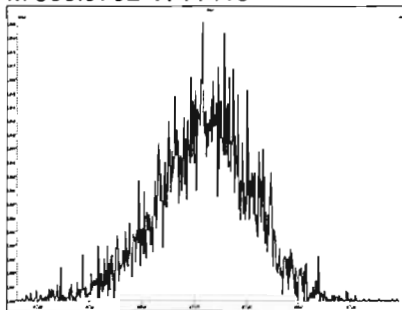
M 342.9792 R 10776



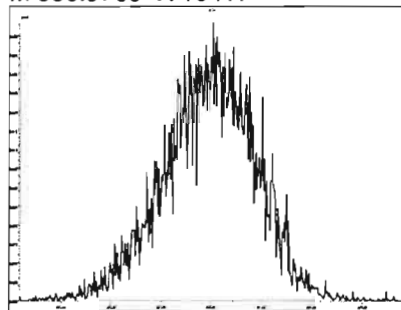
M 354.9792 R 11362



M 366.9792 R 11413



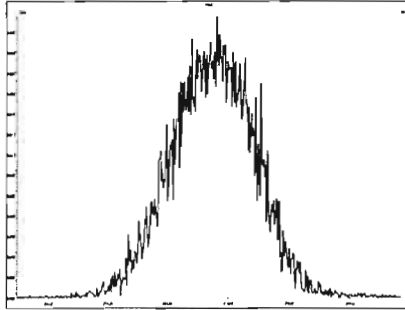
M 380.9760 R 10417



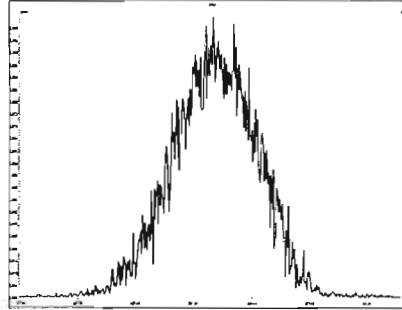
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Monday, December 14, 2020 14:17:43 Pacific Standard Time

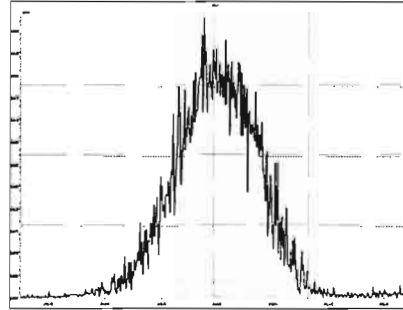
M 318.9792 R 11106



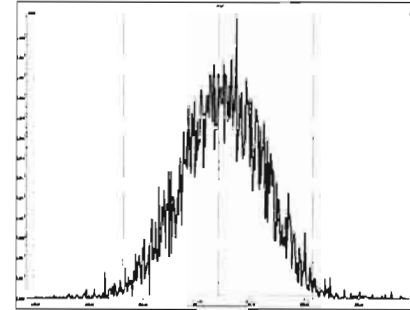
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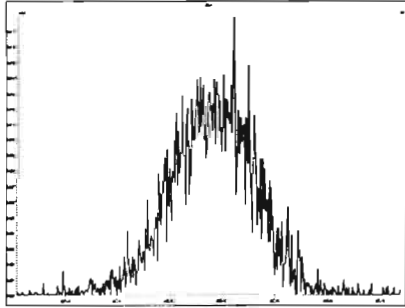
M 342.9792 R 11524



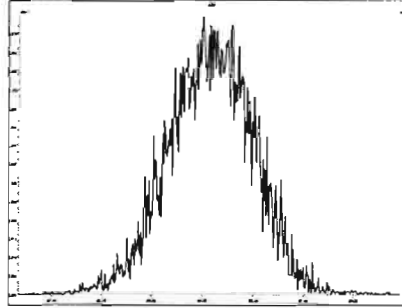
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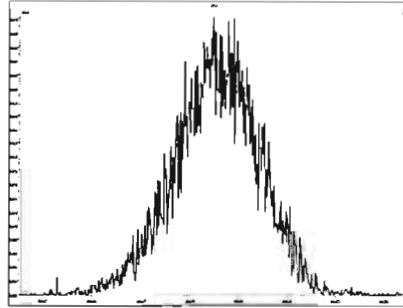
M 366.9792 R 12316



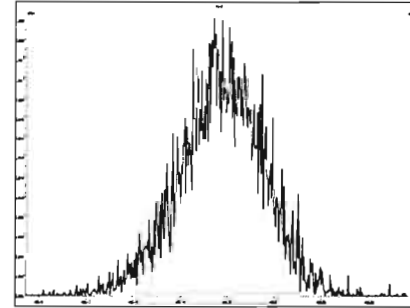
M 380.9760 R 10548



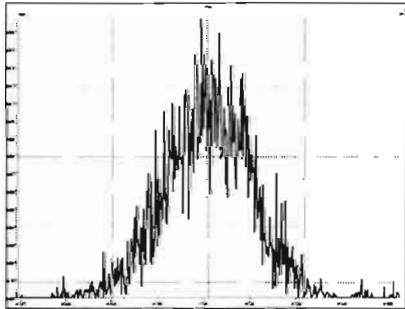
M 392.9760 R 10083



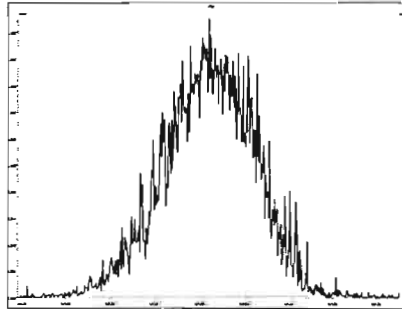
M 404.9760 R 11739



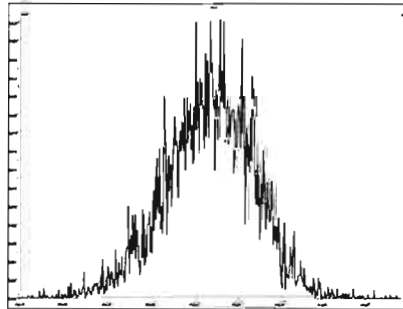
M 416.9760 R 13153



M 430.9728 R 10040



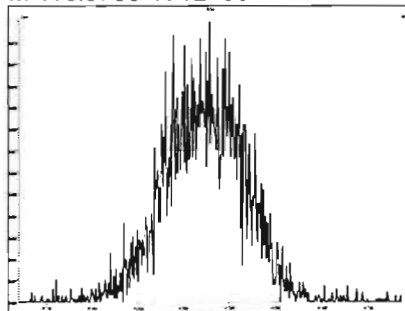
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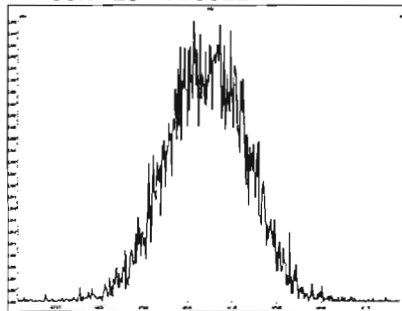
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Printed: Monday, December 14, 2020 14:18:32 Pacific Standard Time

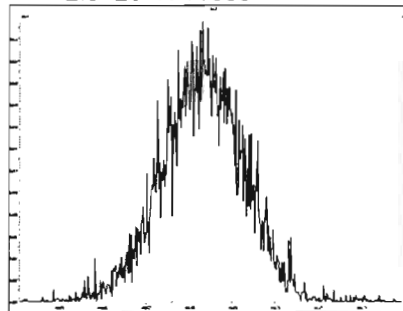
M 416.9760 R 12438



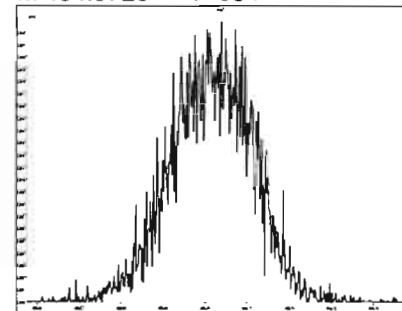
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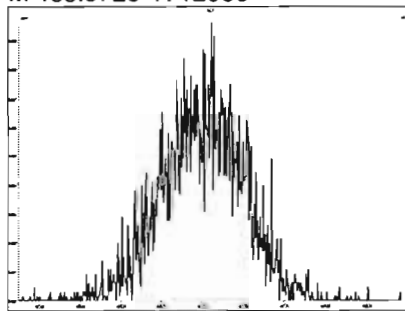
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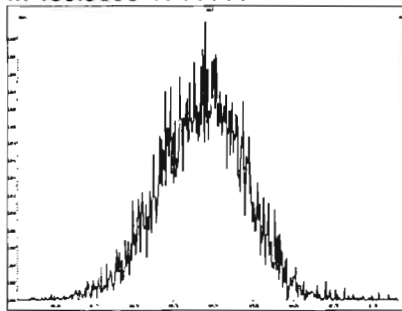
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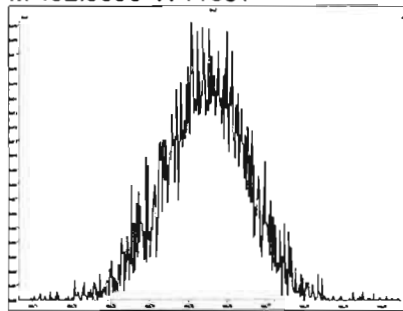
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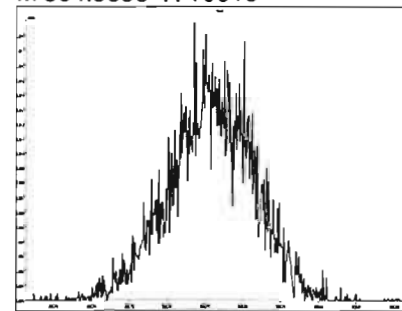
M 480.9696 R 11111



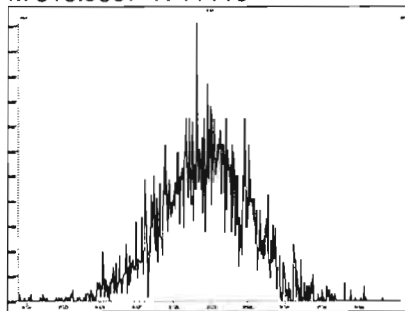
M 492.9696 R 11681



M 504.9696 R 10919



M 516.9697 R 11115



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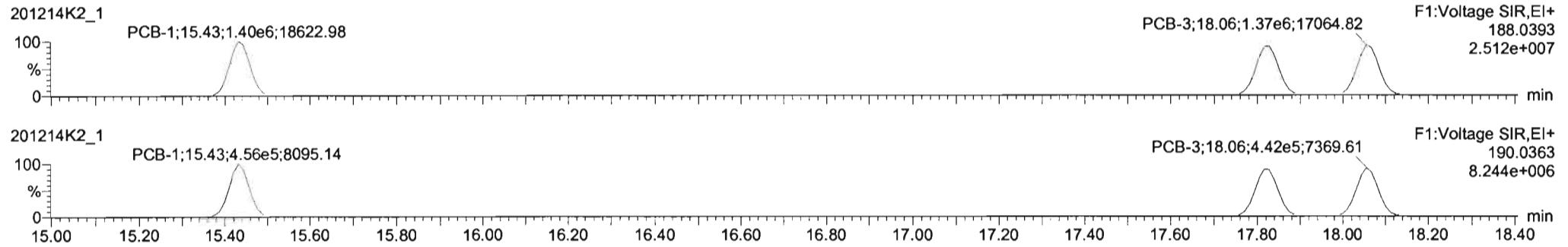
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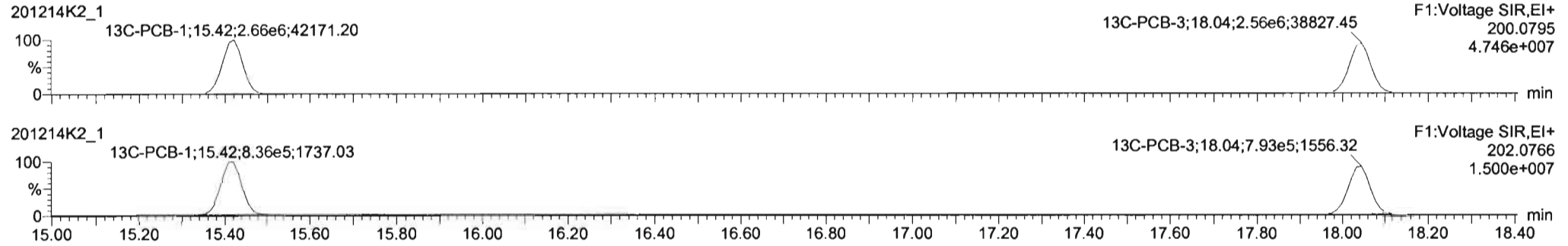
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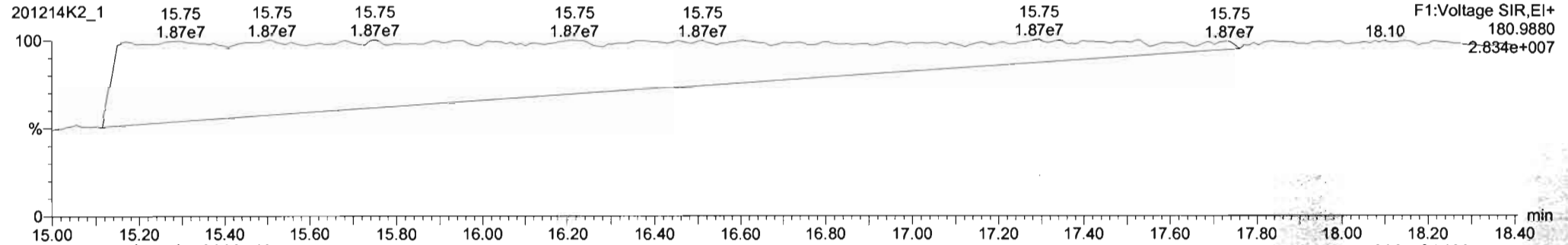
**PCB-1**



**13C-PCB-1**



**PFK1**





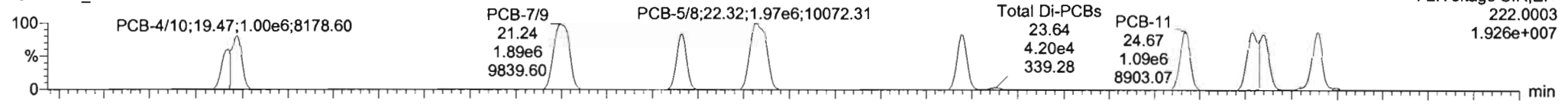
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Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

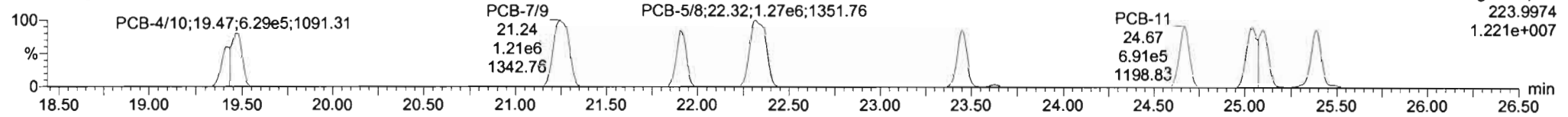
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**PCB-4/10**

201214K2\_1

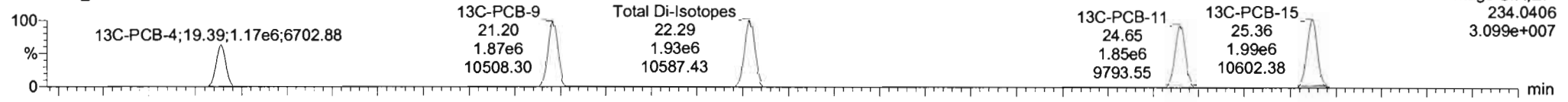


201214K2\_1

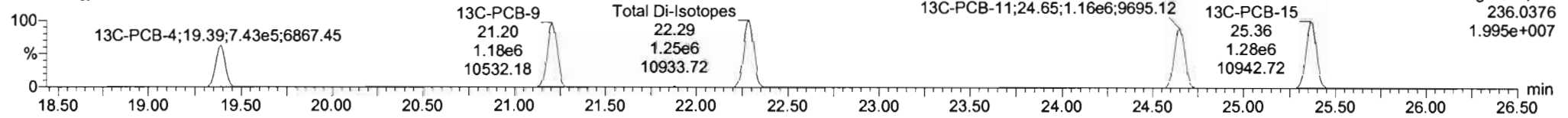


**13C-PCB-4**

201214K2\_1

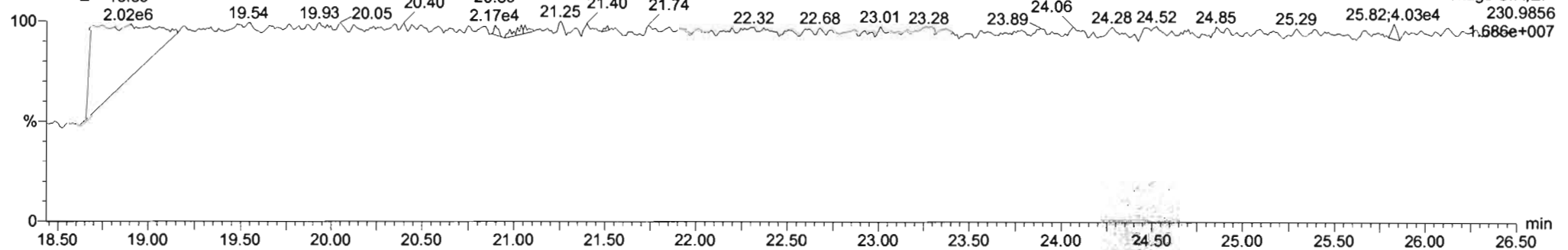


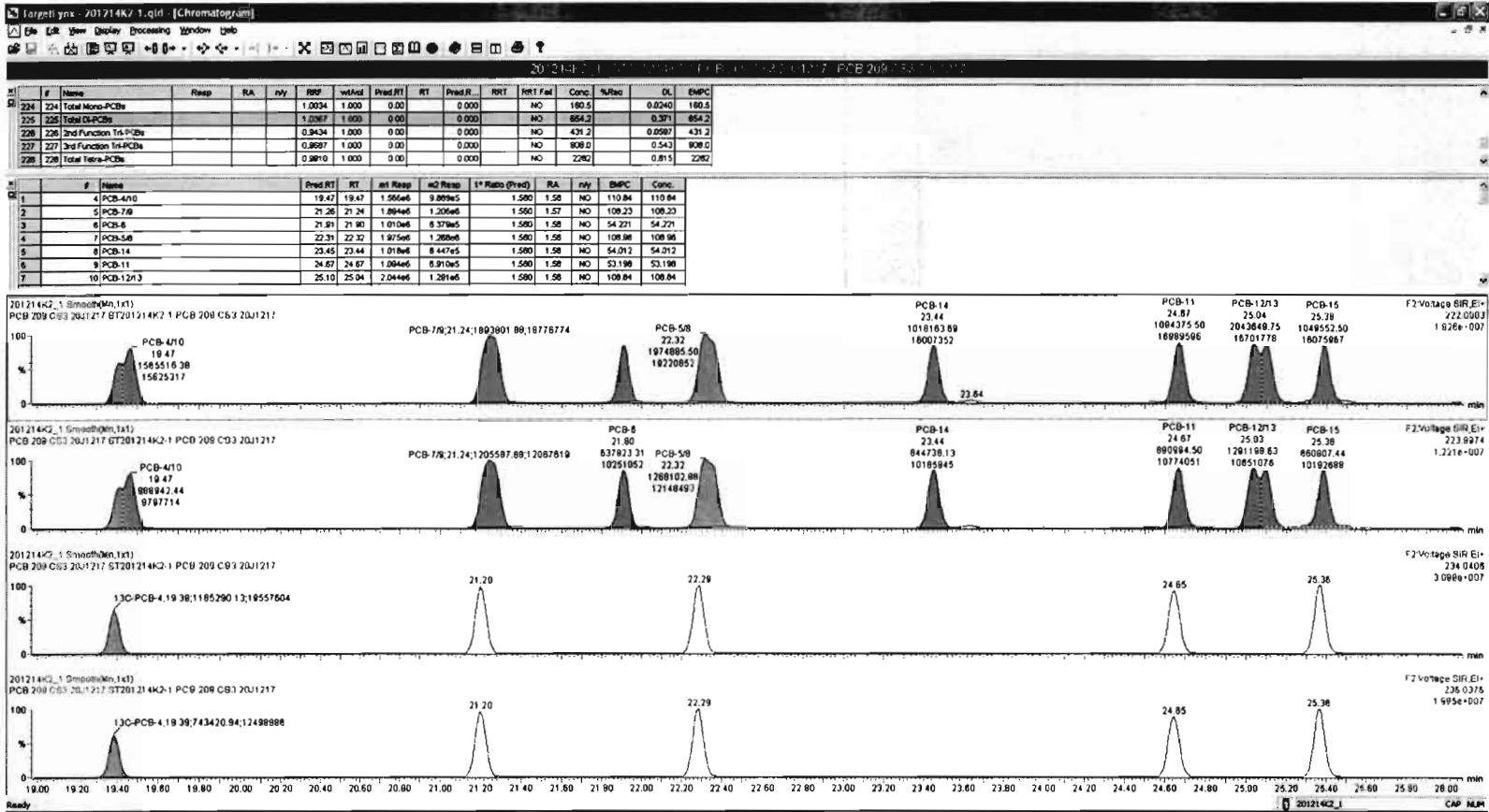
201214K2\_1



**PFK2a**

201214K2\_1





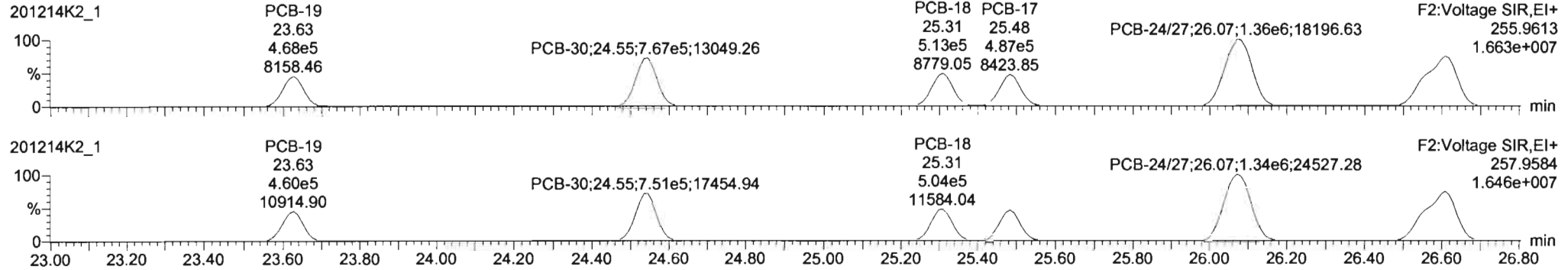
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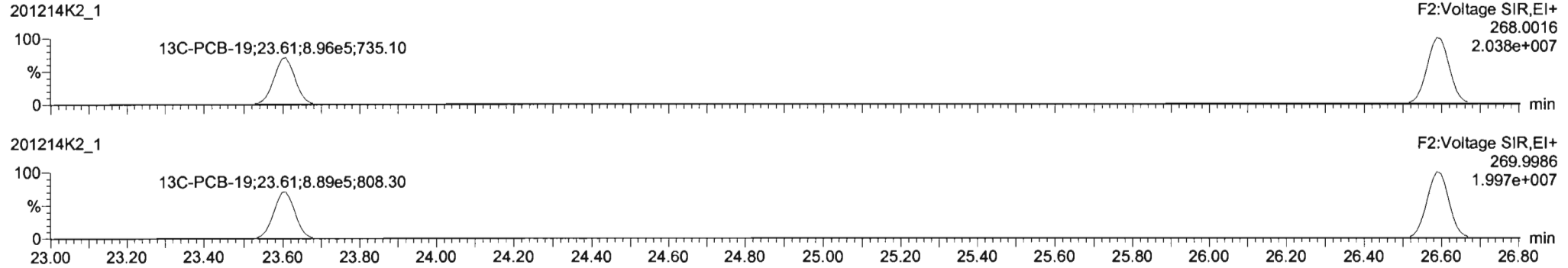
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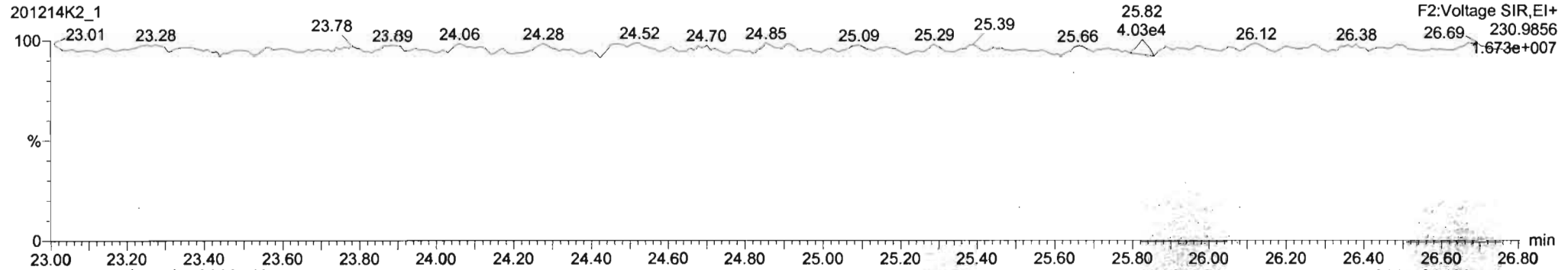
**PCB-19**



**13C-PCB-19**



**PFK2b**

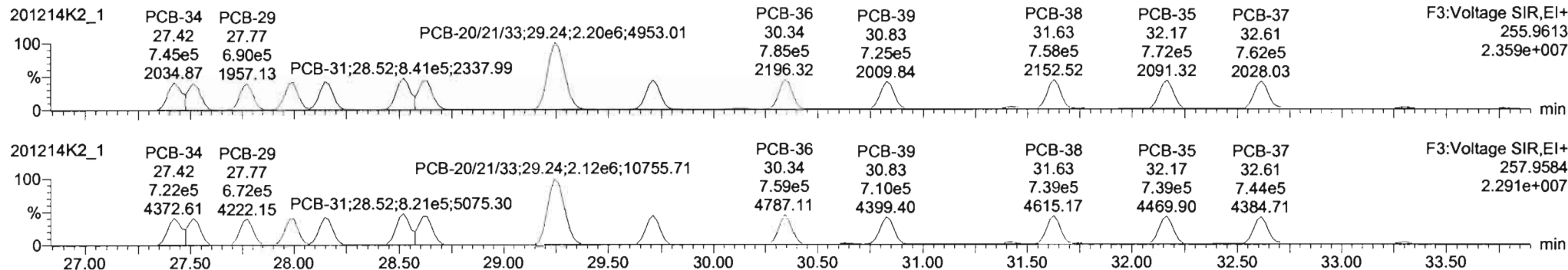


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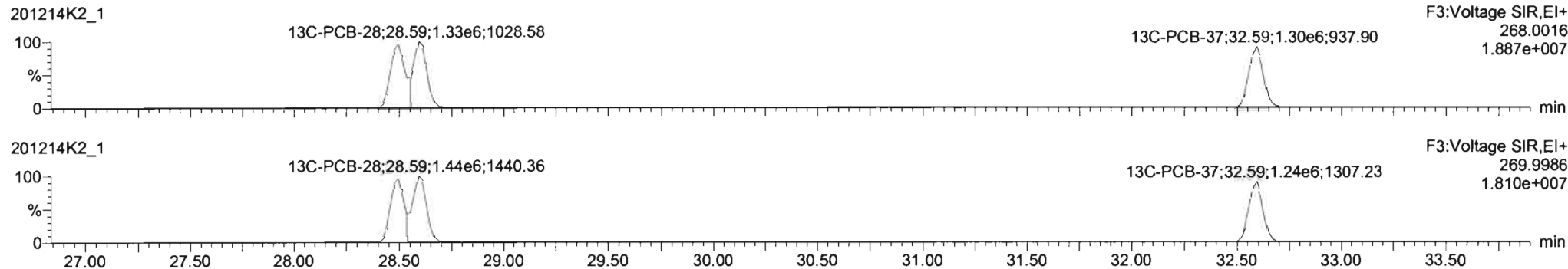
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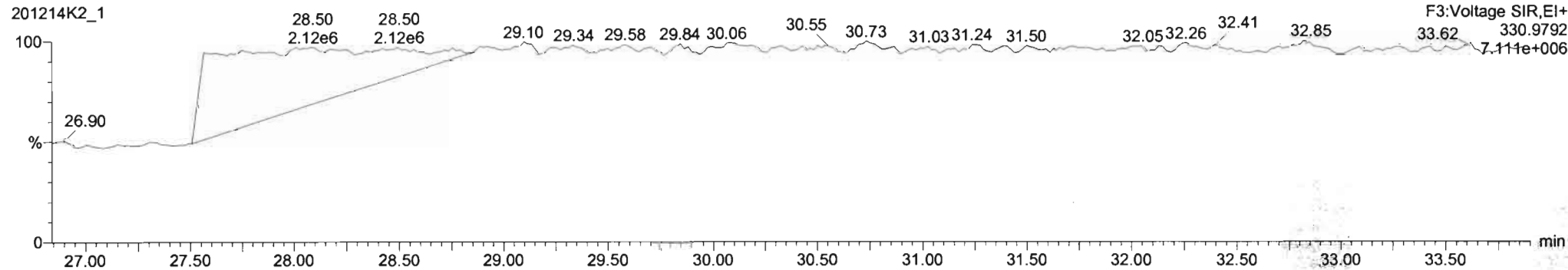
**PCB-34**



**13C-PCB-28**



**PFK3d**



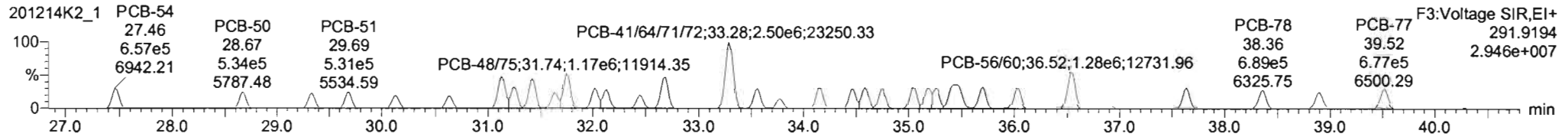
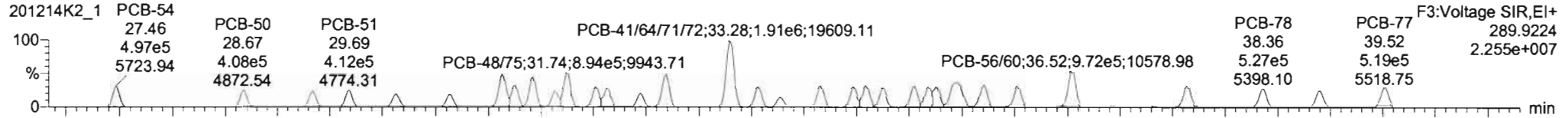
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Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

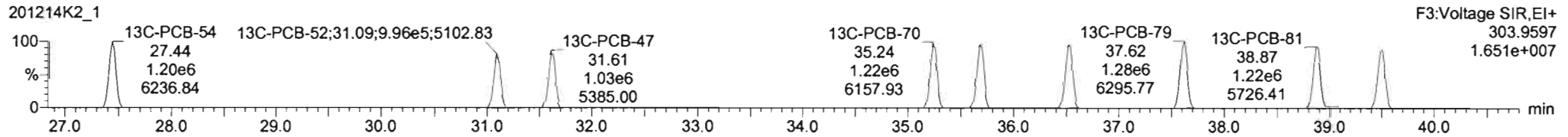
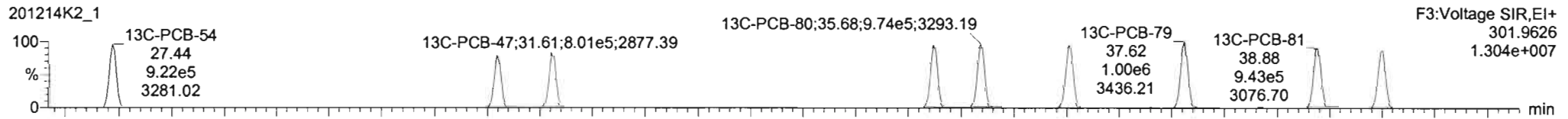
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

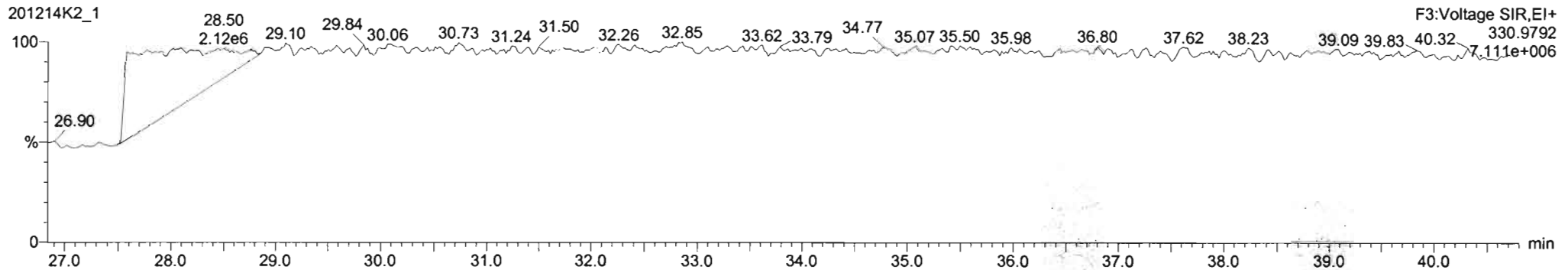
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

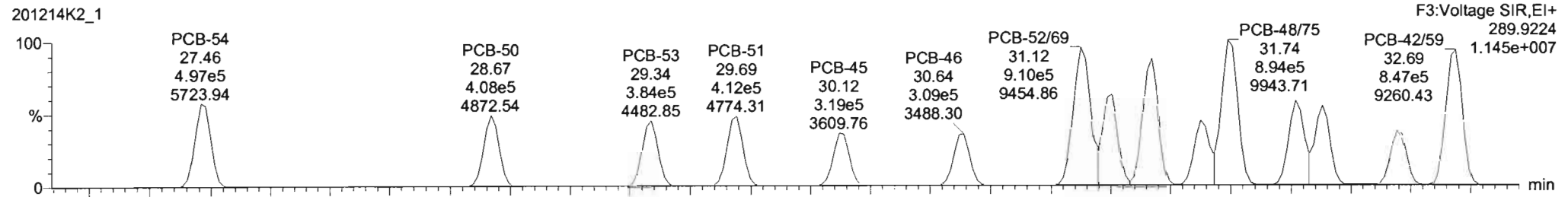
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

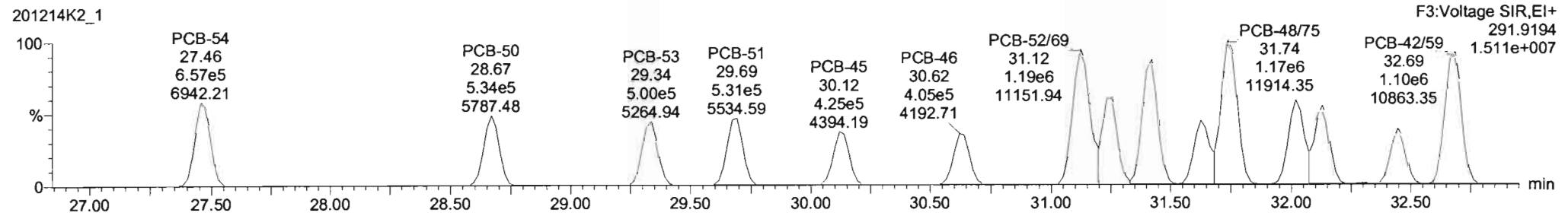
Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-50**

201214K2\_1

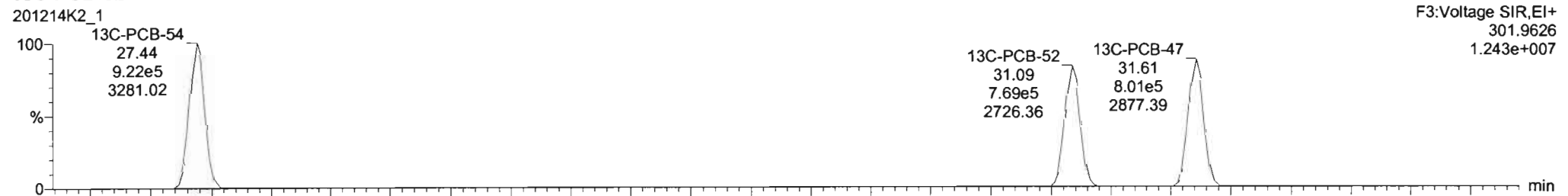


201214K2\_1

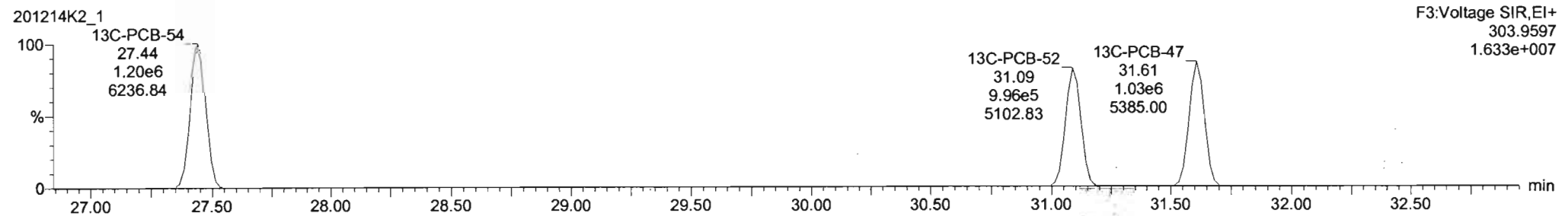


**13C-PCB-52**

201214K2\_1



201214K2\_1



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Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

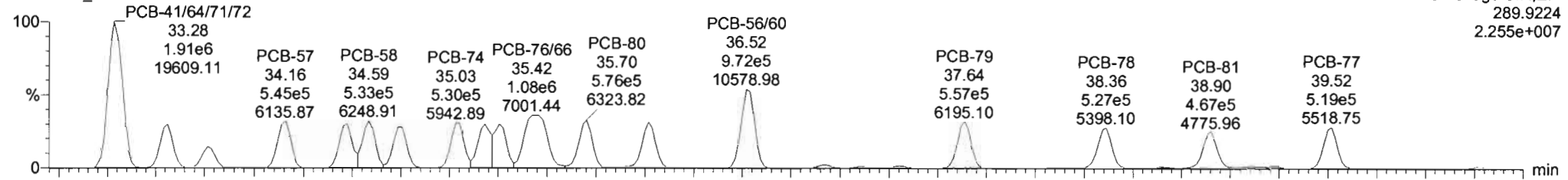
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

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PCB-68

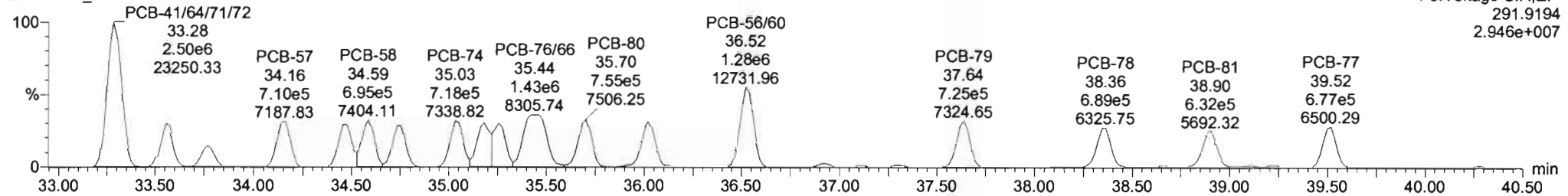
201214K2\_1

F3:Voltage SIR,EI+  
289.9224  
2.255e+007



201214K2\_1

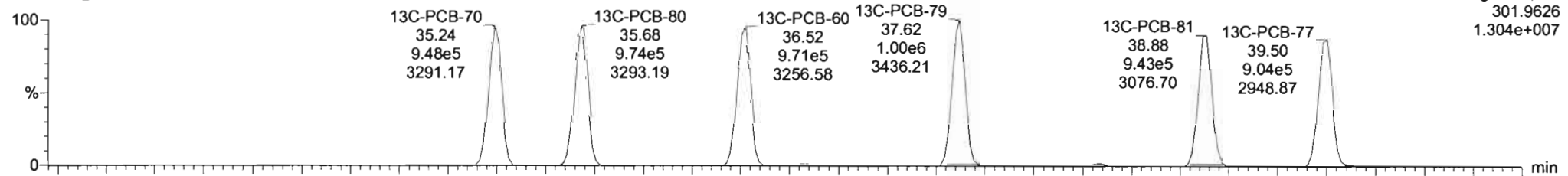
F3:Voltage SIR,EI+  
291.9194  
2.946e+007



13C-PCB-60

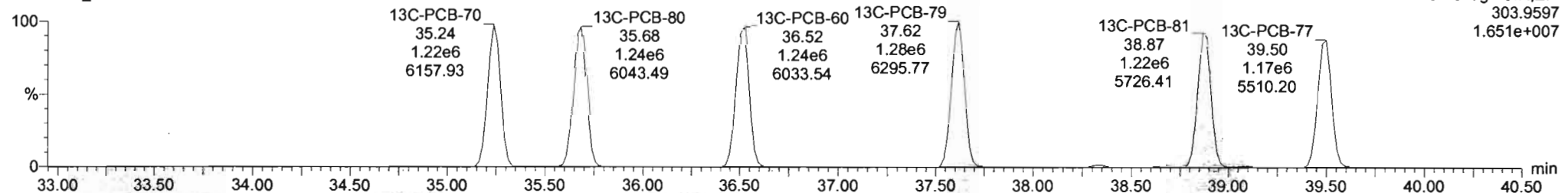
201214K2\_1

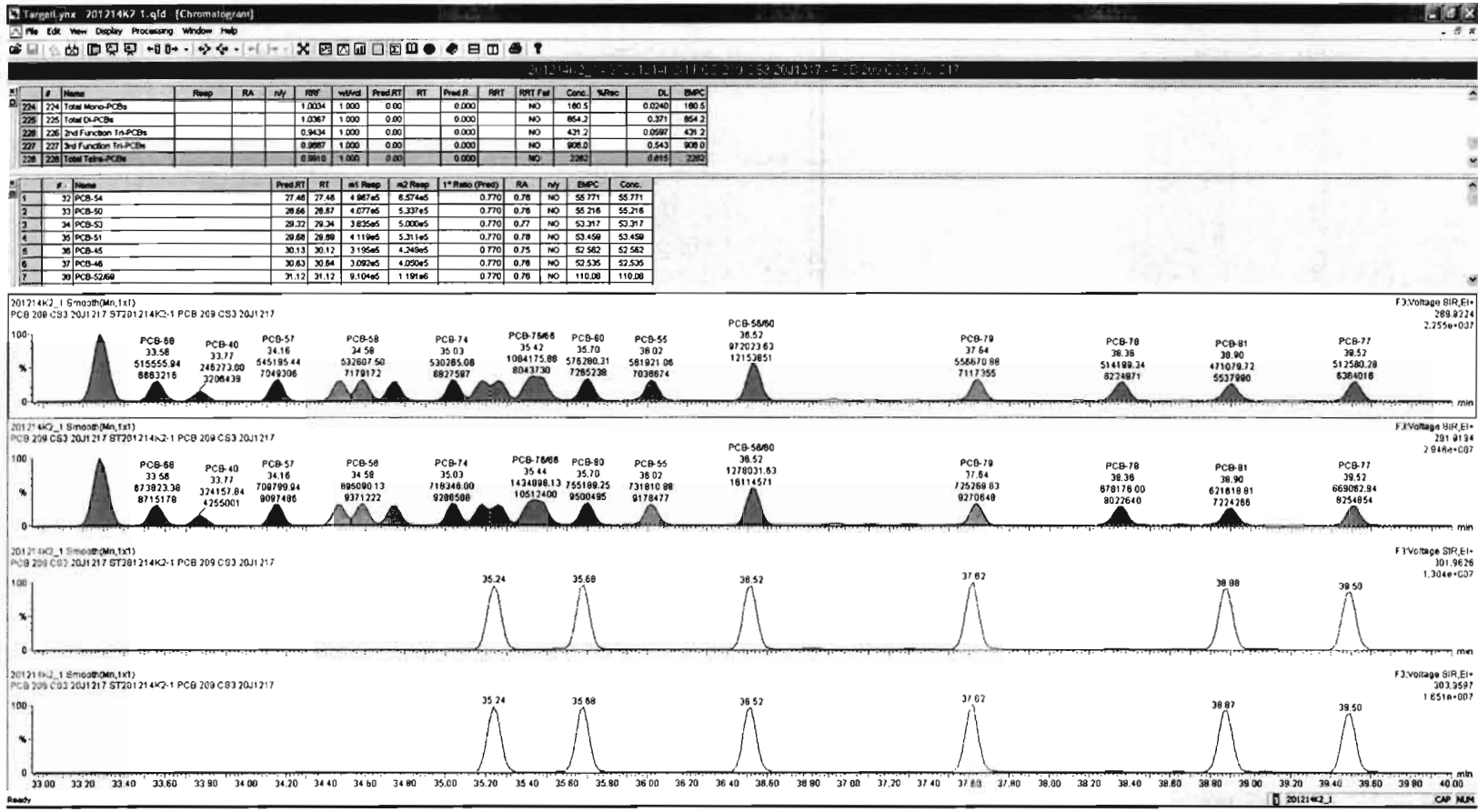
F3:Voltage SIR,EI+  
301.9626  
1.304e+007



201214K2\_1

F3:Voltage SIR,EI+  
303.9597  
1.651e+007







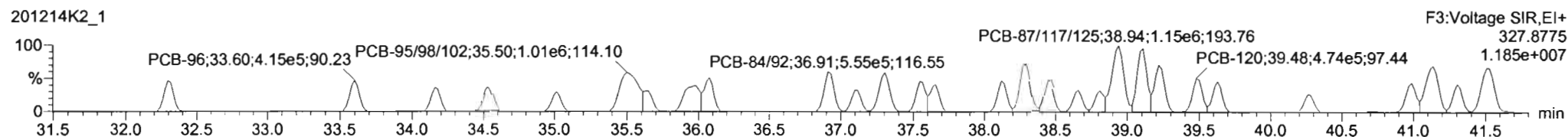
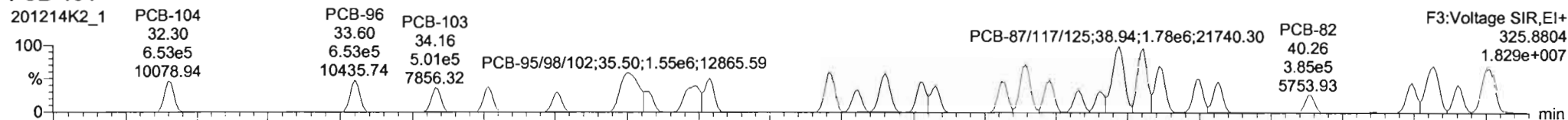
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Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

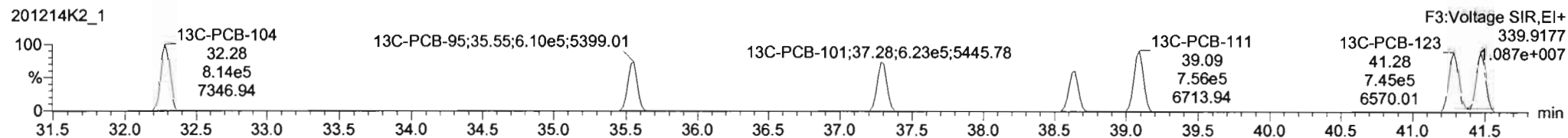
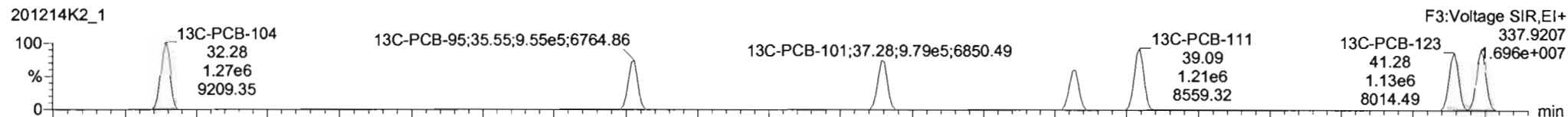
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

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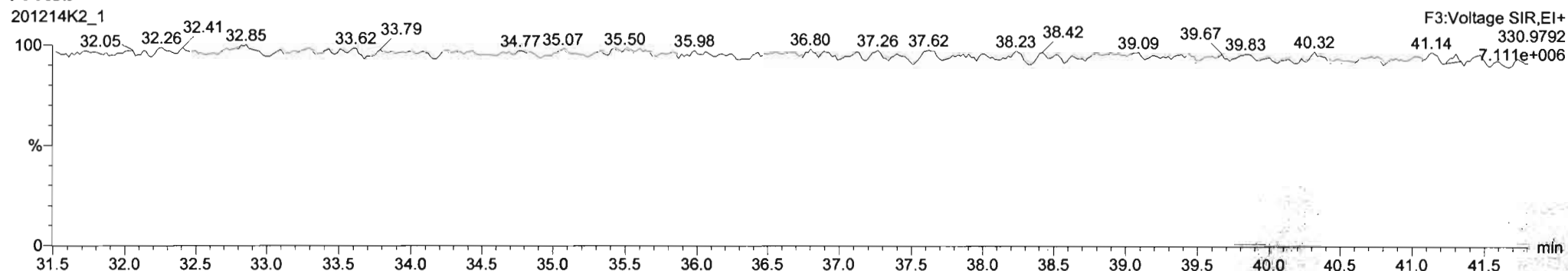
### PCB-104



### 13C-PCB-104



### PFK3b



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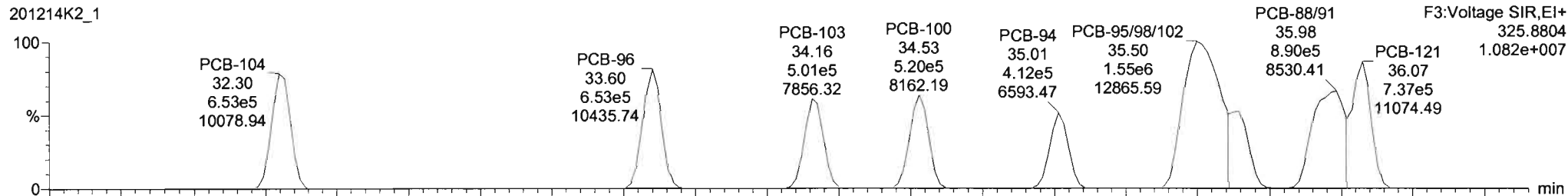
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

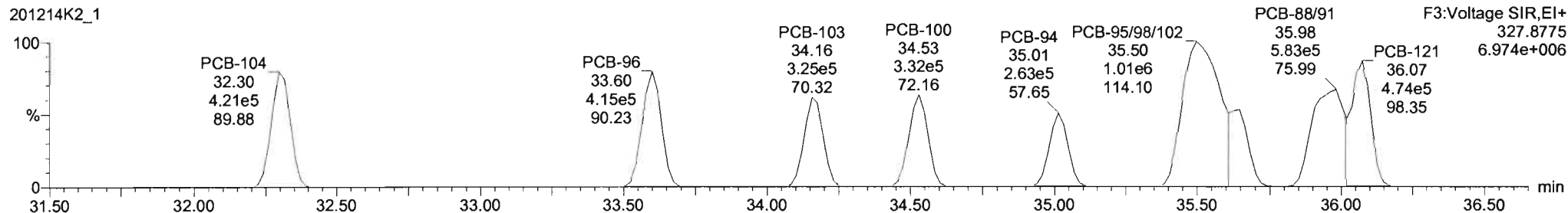
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**PCB-96**

201214K2\_1

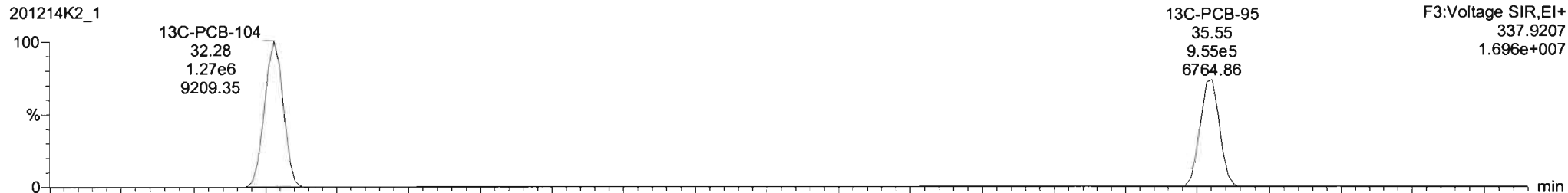


201214K2\_1

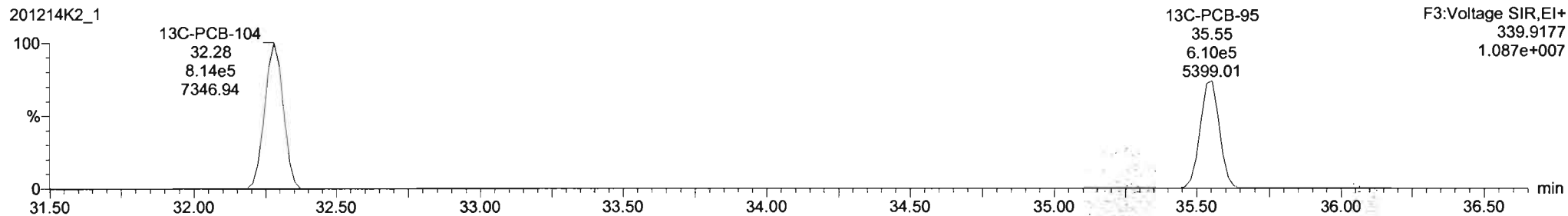


**13C-PCB-95**

201214K2\_1



201214K2\_1

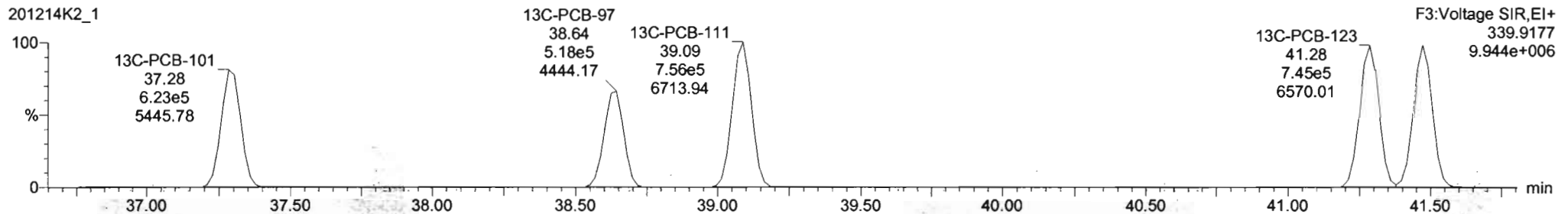
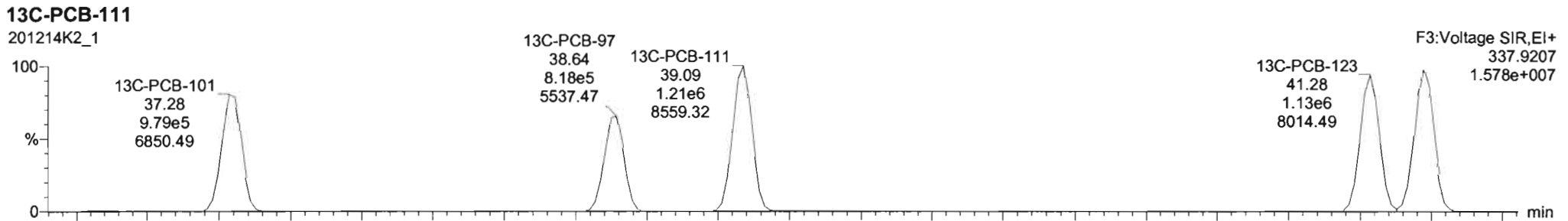
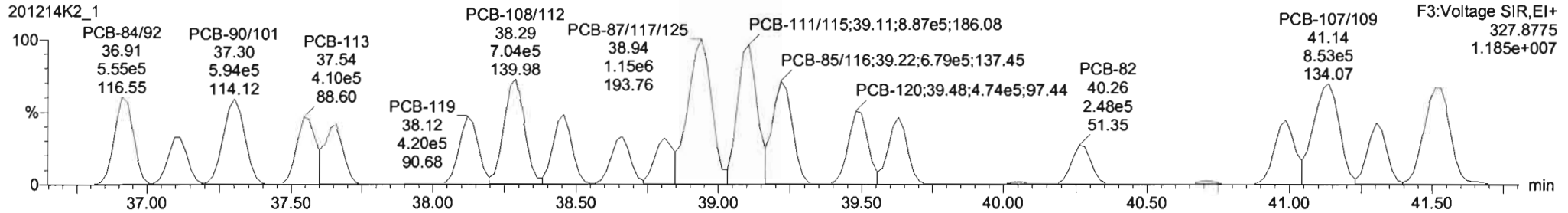
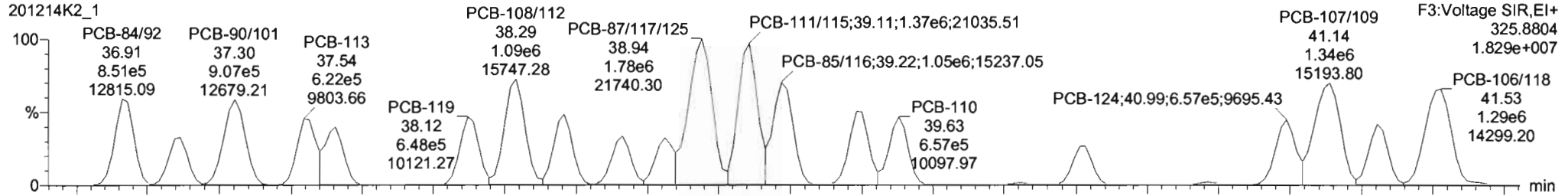


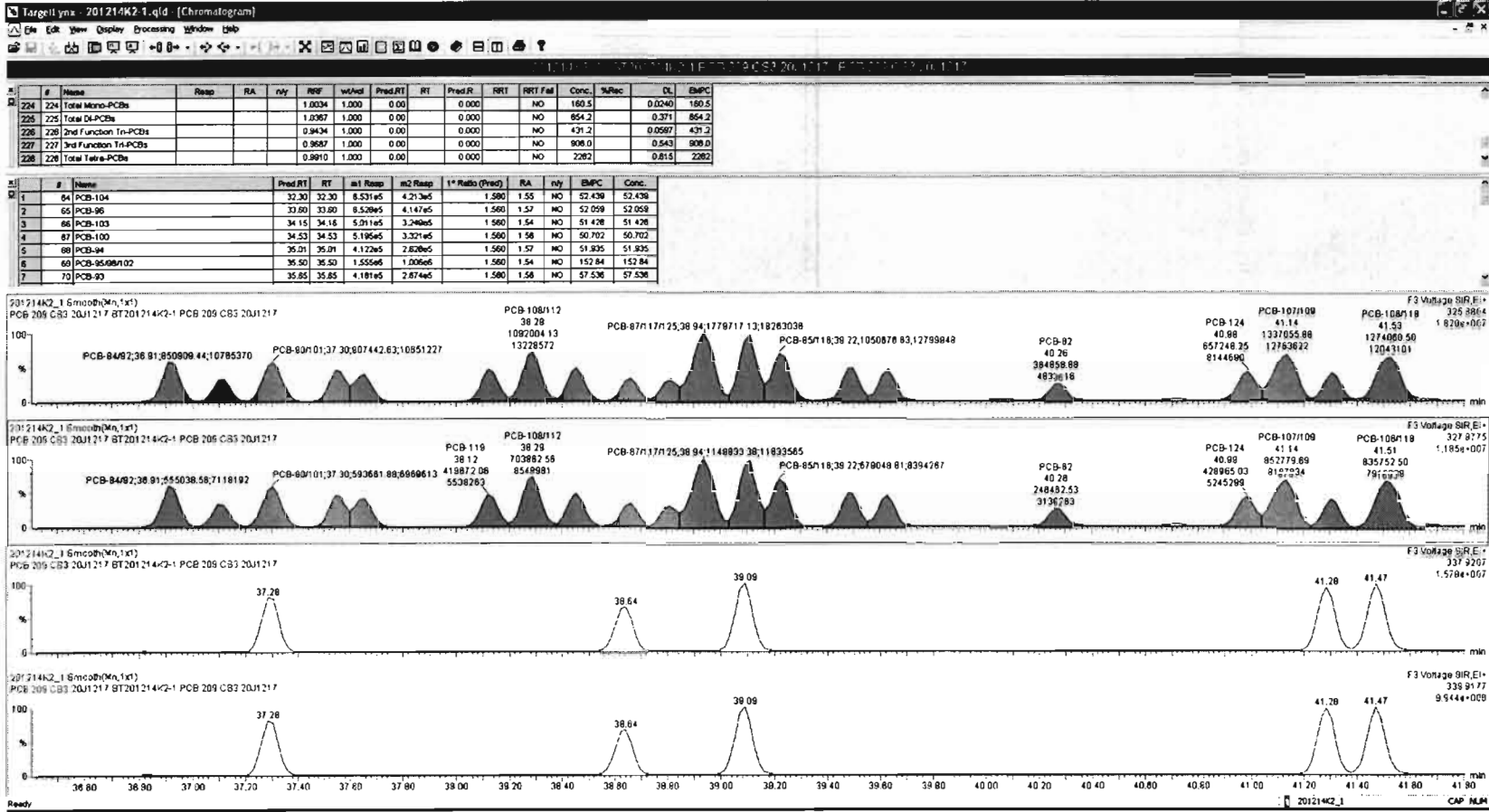
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Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-119



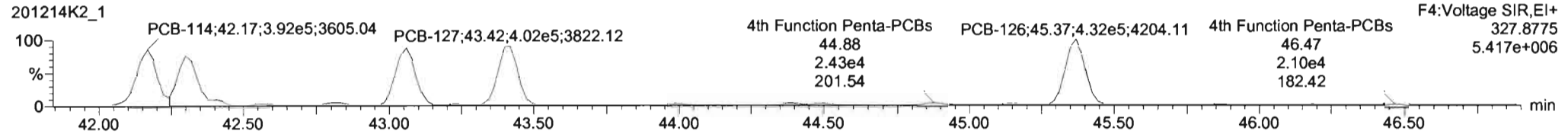
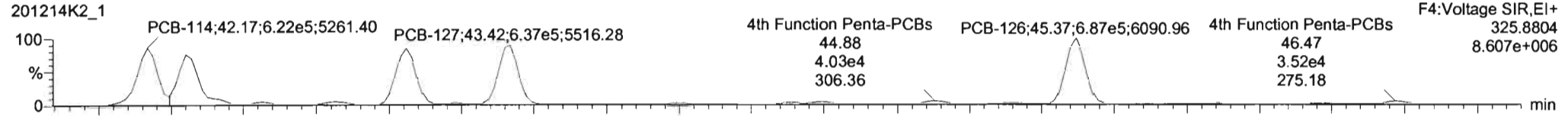


Dataset: Untitled

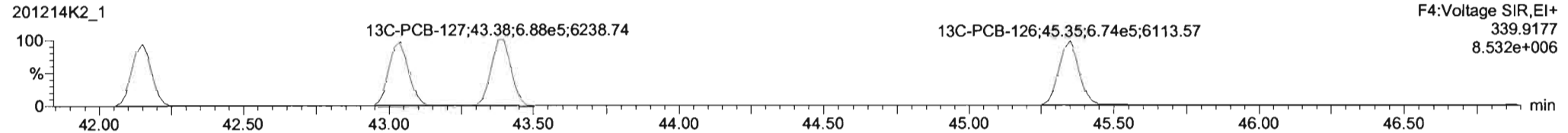
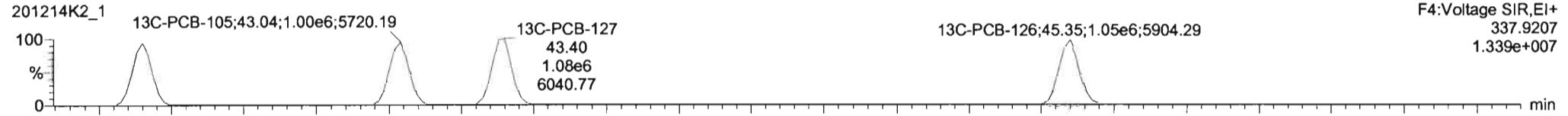
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

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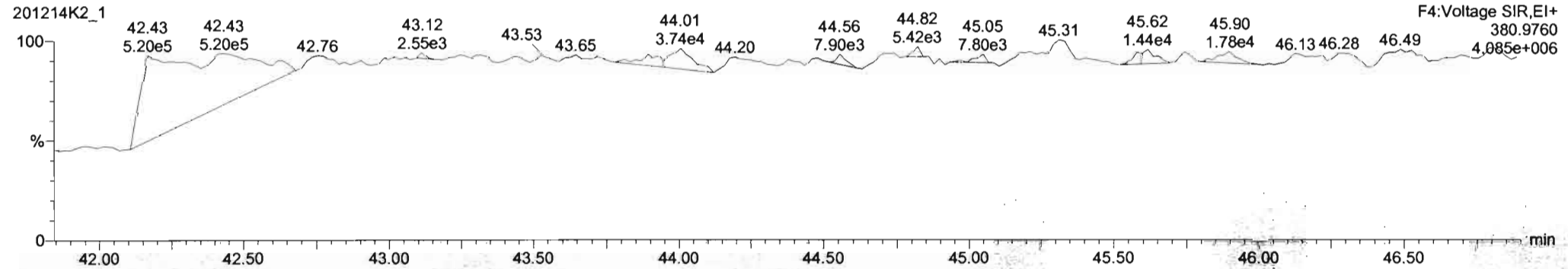
**PCB-114**

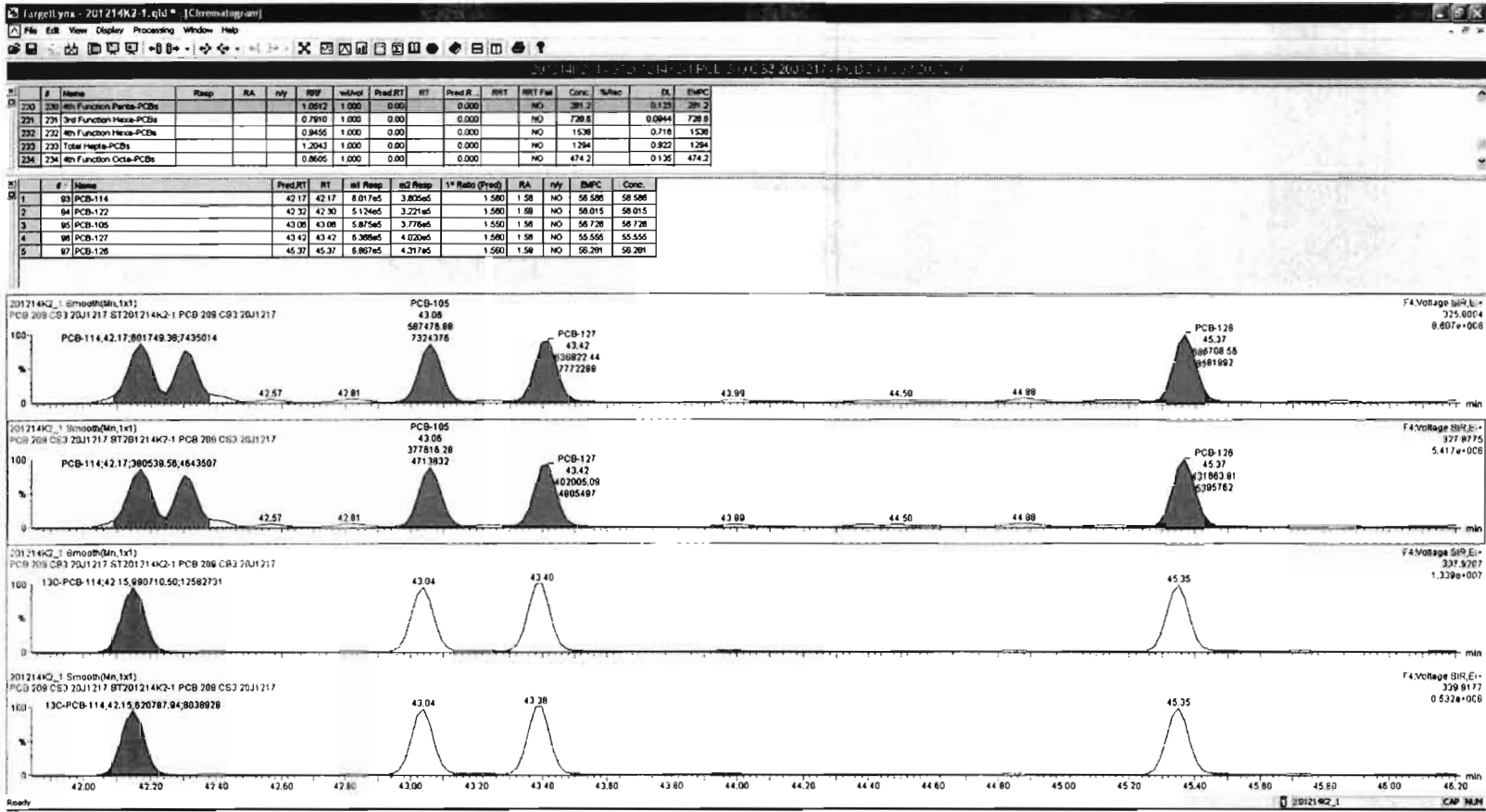


**13C-PCB-114**



**PFK4a**





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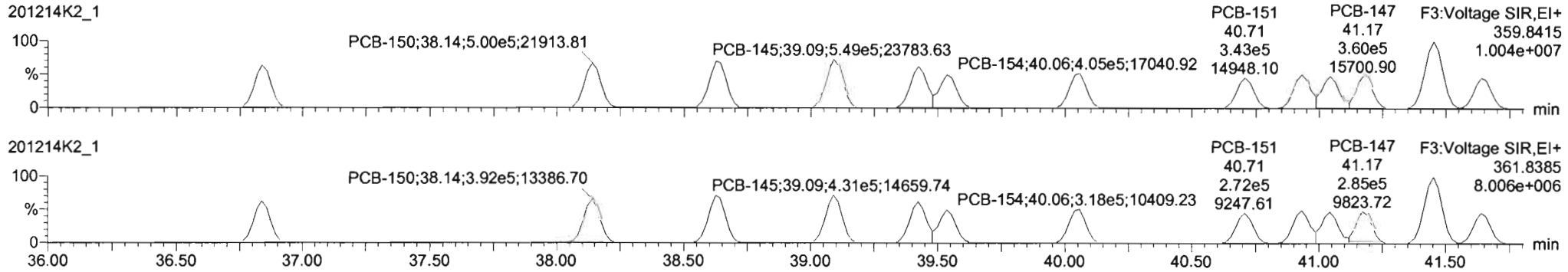
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

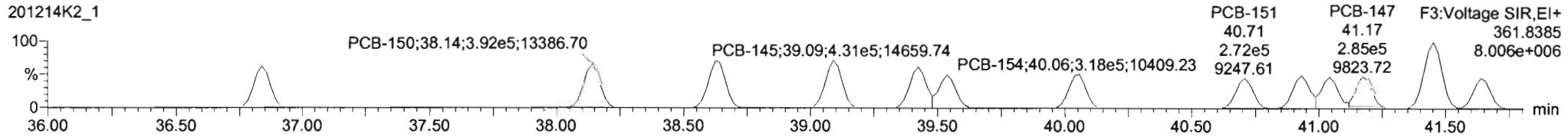
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**PCB-155**

201214K2\_1

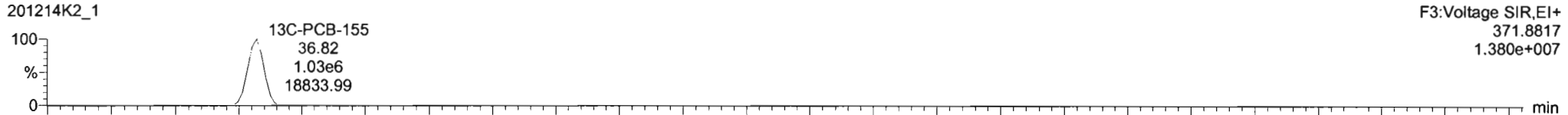


201214K2\_1

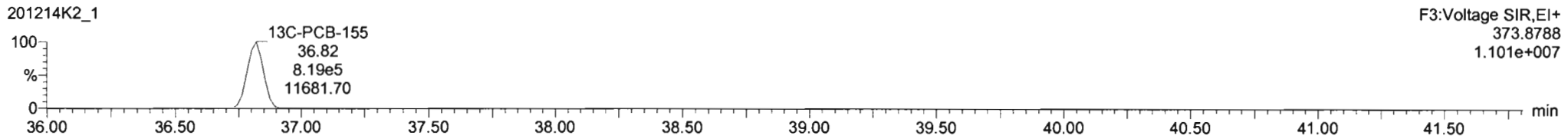


**13C-PCB-155**

201214K2\_1

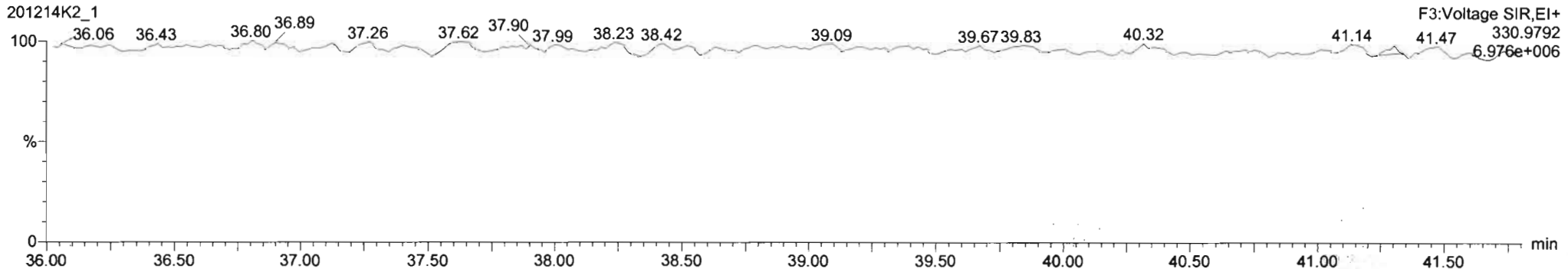


201214K2\_1



**PFK3c**

201214K2\_1



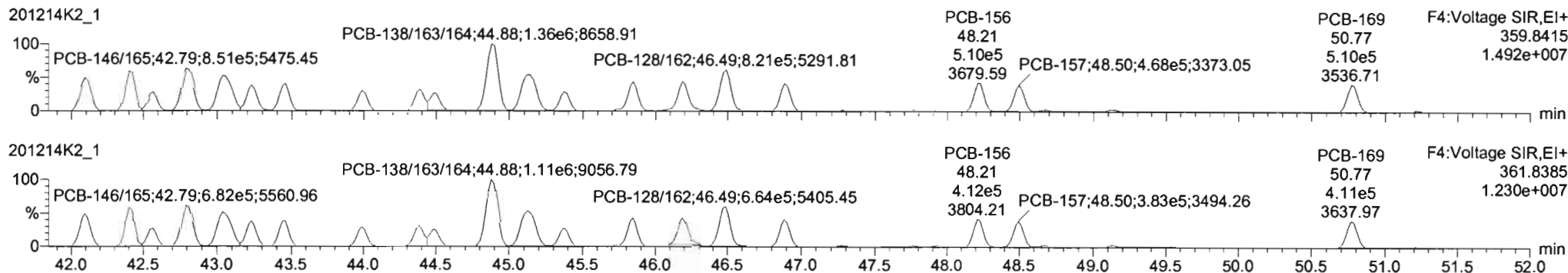
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Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

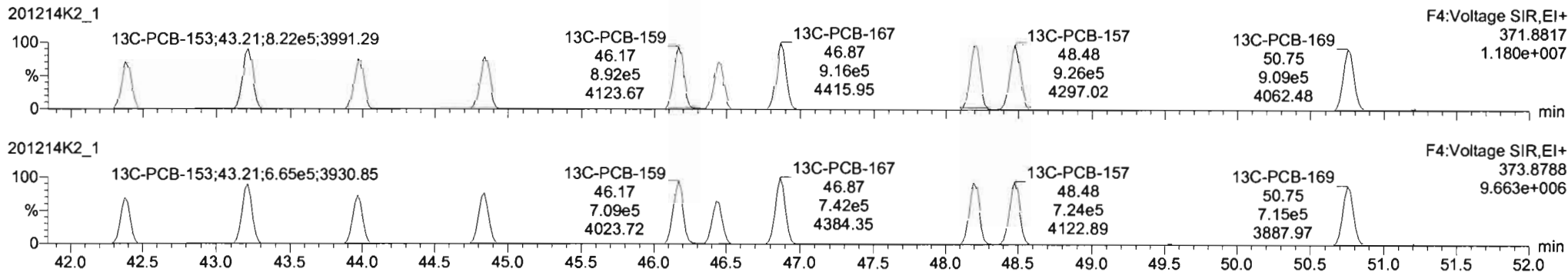
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

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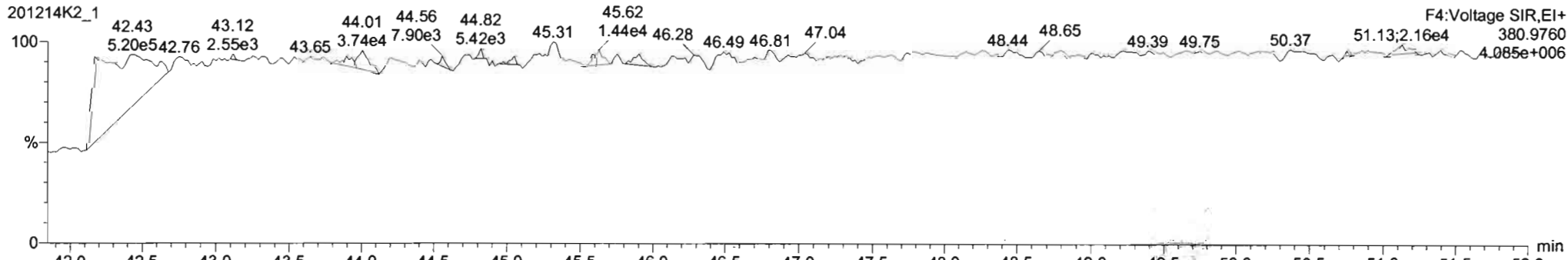
**PCB-134/143**



**13C-PCB-153**



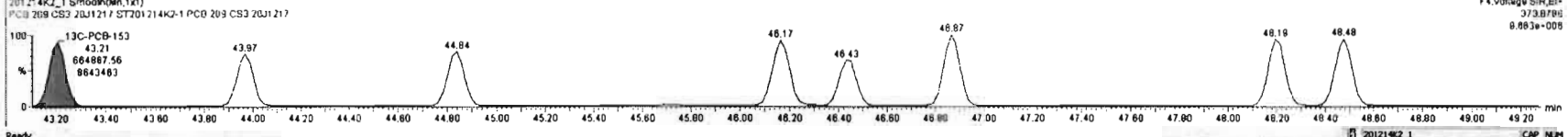
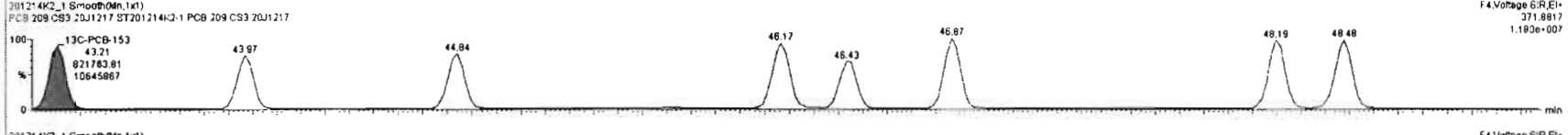
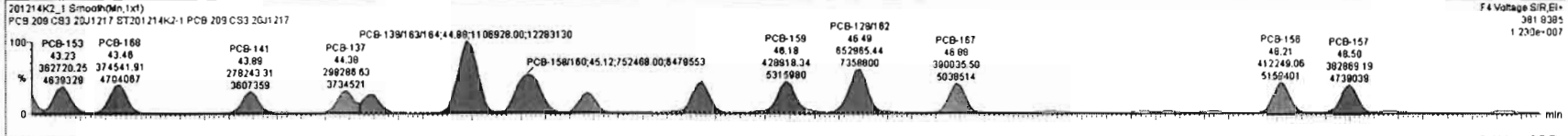
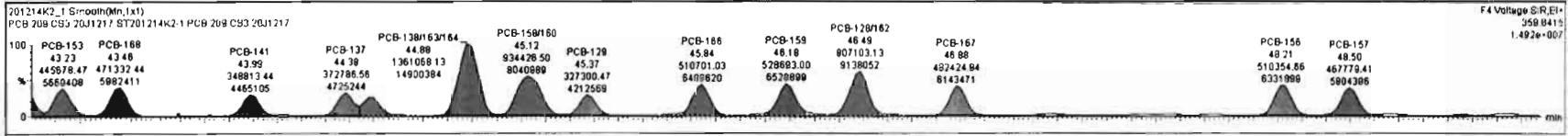
**PFK4b**





#	Name	Resp	RA	nly	RRF	wVd	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000	1.240	NO	281.2	0.123	281.2	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000	1.240	NO	728.6	0.0944	728.6	
232	232 4th Function Hexa-PCBs				0.8455	1.000	0.00	0.000	0.000	1.240	NO	1538	0.218	1538	
233	233 Total Hepta-PCBs				1.2043	1.000	0.00	0.000	0.000	1.240	NO	1794	0.822	1794	
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00	0.000	0.000	1.240	NO	474.2	0.135	474.2	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	111 PCB-134/143	42.29	42.29	8.403e5	5.205e5	1.240	1.23	NO	108.90	108.80
2	112 PCB-137/133	42.41	42.40	6.360e5	5.586e5	1.240	1.25	NO	108.67	109.67
3	113 PCB-142	42.57	42.57	3.166e5	2.561e5	1.240	1.24	NO	56.062	56.062
4	114 PCB-146/165	42.81	42.79	8.513e5	6.873e5	1.240	1.25	NO	109.35	109.35
5	115 PCB-132/161	43.06	43.04	8.563e5	6.890e5	1.240	1.24	NO	109.60	109.60
6	116 PCB-153	43.25	43.23	4.457e5	3.627e5	1.240	1.23	NO	54.920	54.920
7	117 PCB-168	43.46	43.46	4.713e5	3.745e5	1.240	1.28	NO	54.979	54.979

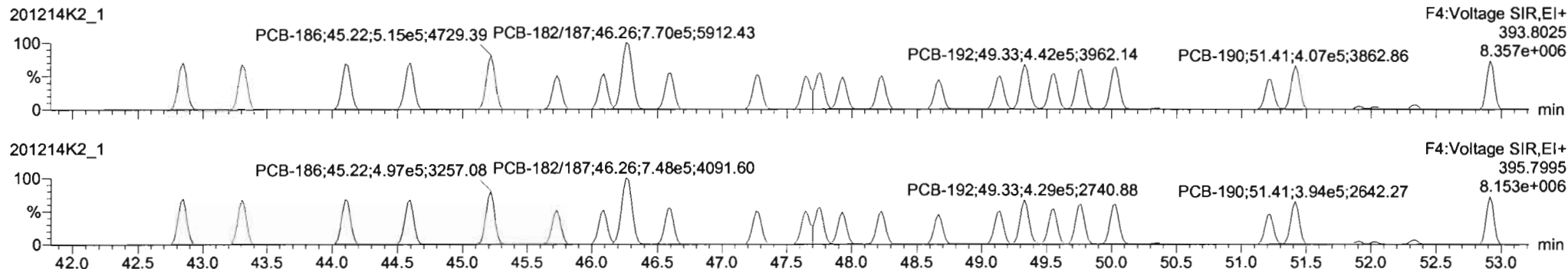


Dataset: Untitled

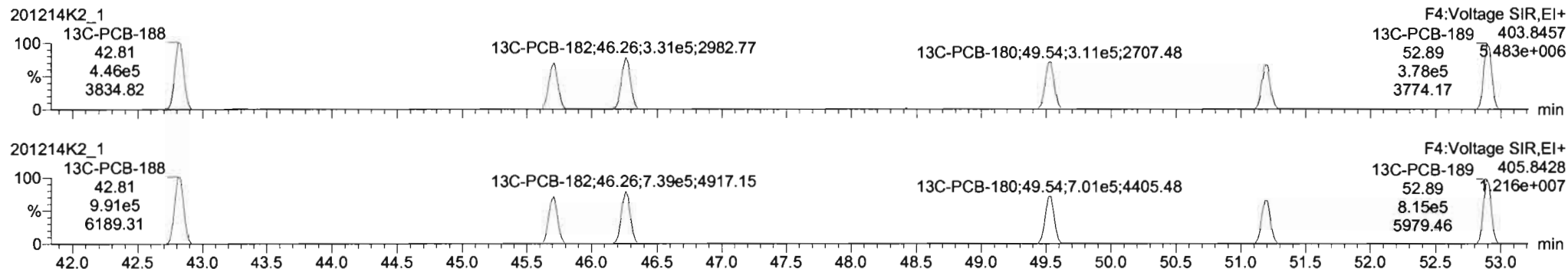
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

Name: 201214K2\_1, Date: 14-Dec-2020, Time: 14:19:07, ID: ST201214K2-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

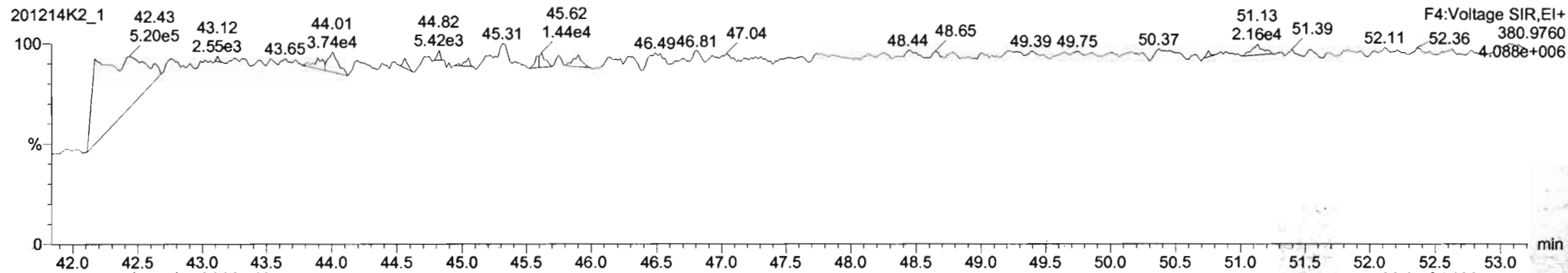
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

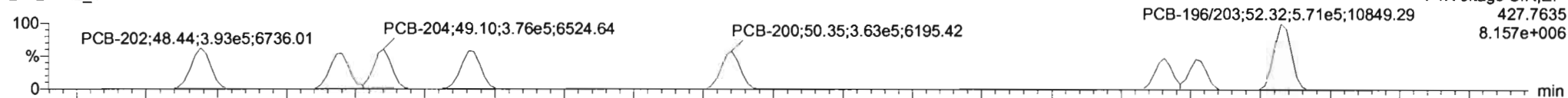
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Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

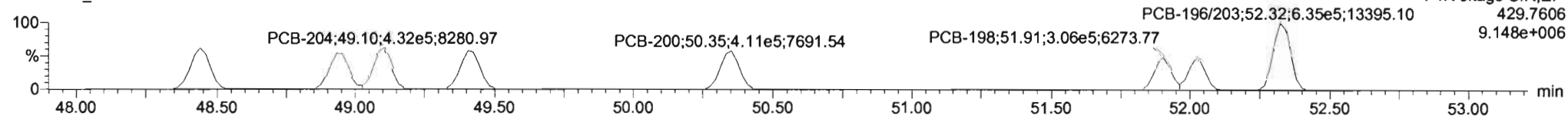
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**PCB-202**

201214K2\_1

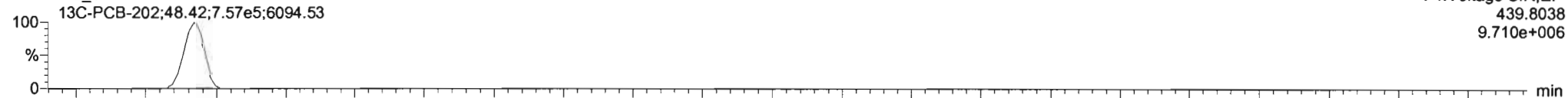


201214K2\_1

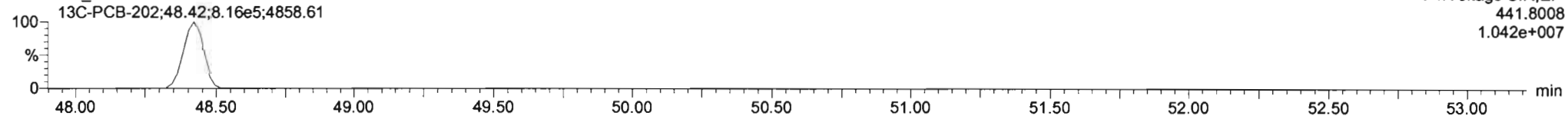


**13C-PCB-202**

201214K2\_1

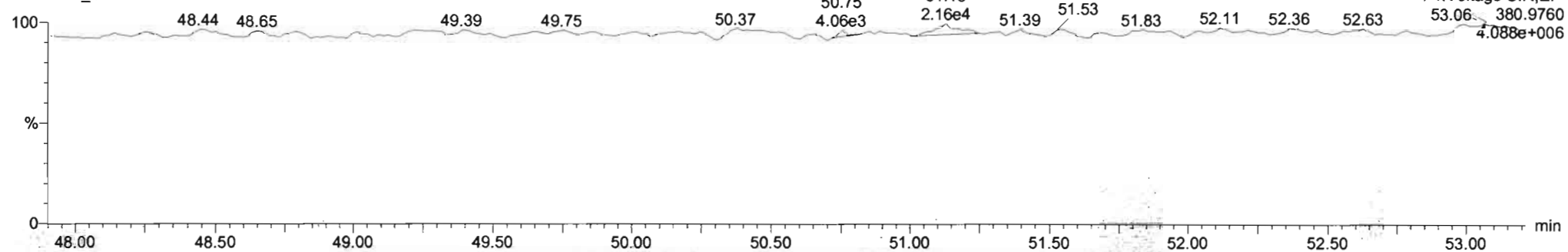


201214K2\_1



**PFK4d**

201214K2\_1



Dataset: Untitled

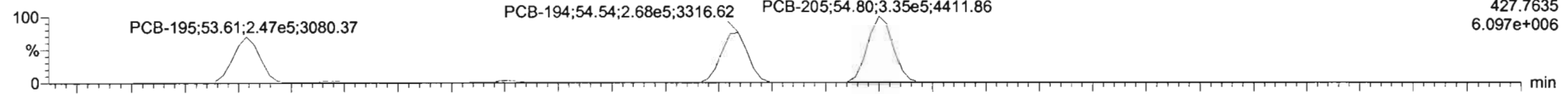
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

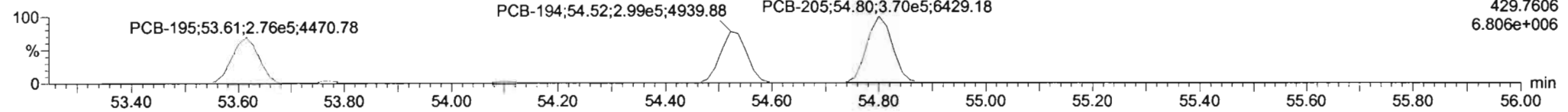
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**PCB-195**

201214K2\_1

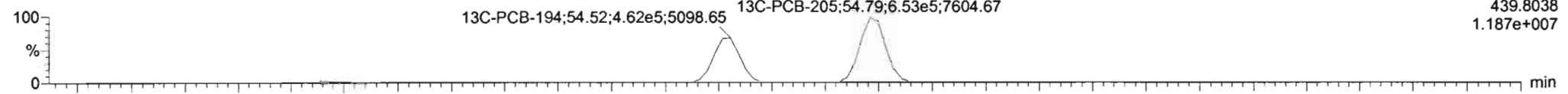


201214K2\_1

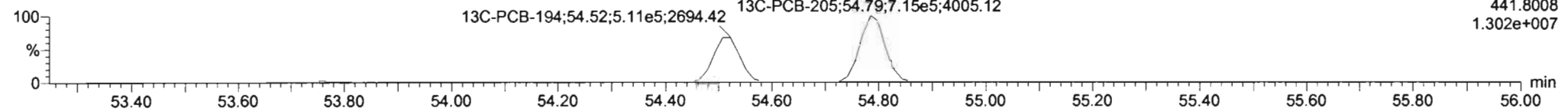


**13C-PCB-194**

201214K2\_1

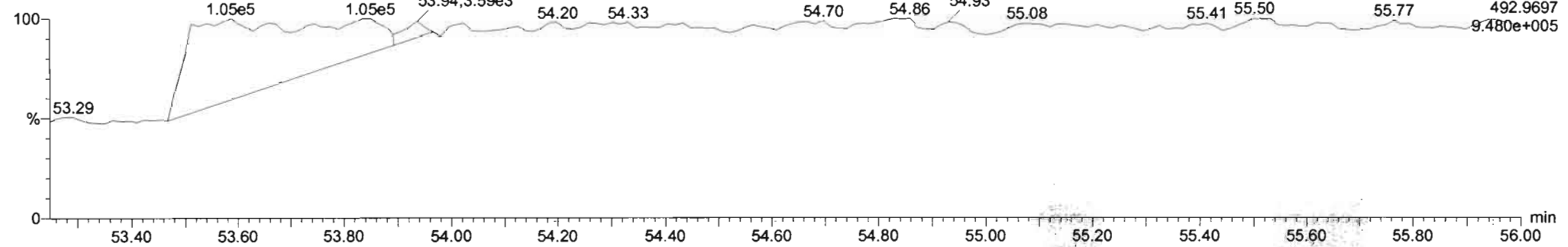


201214K2\_1



**PFK5a**

201214K2\_1



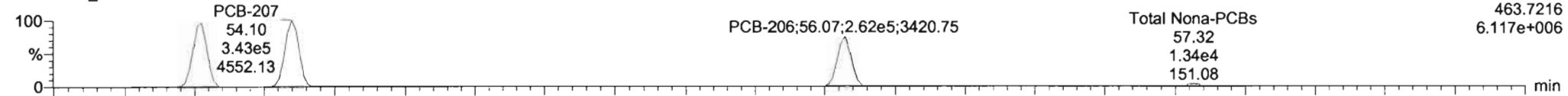
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Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time  
Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

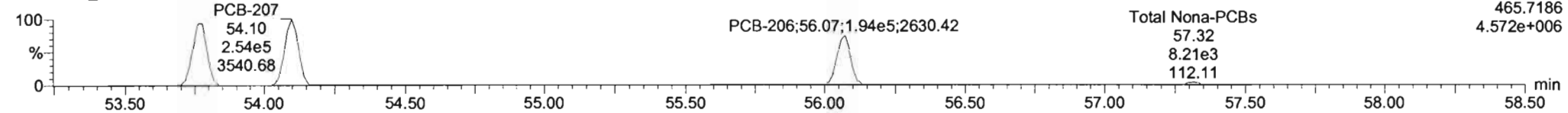
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**PCB-208**

201214K2\_1

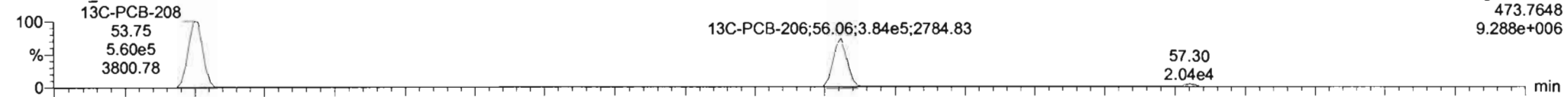


201214K2\_1

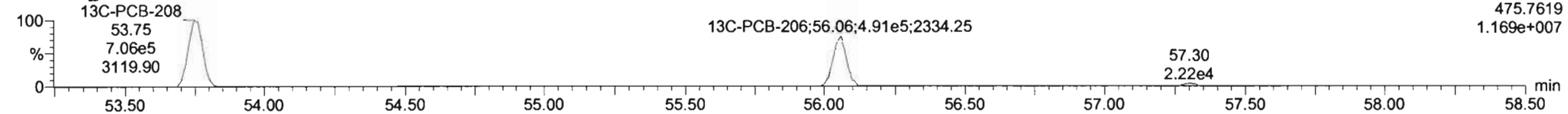


**13C-PCB-208**

201214K2\_1

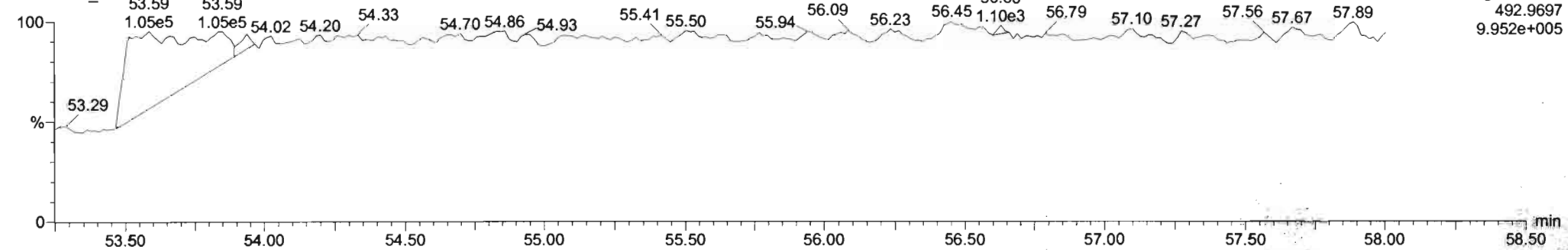


201214K2\_1



**PFK5**

201214K2\_1



Dataset: Untitled

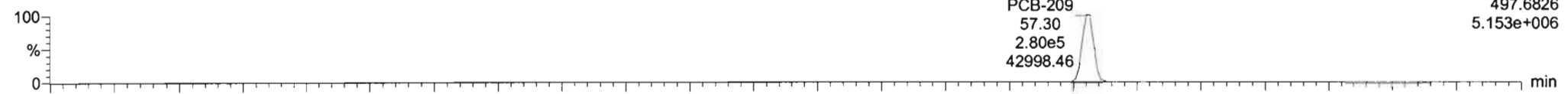
Last Altered: Monday, December 14, 2020 16:31:43 Pacific Standard Time

Printed: Monday, December 14, 2020 16:31:54 Pacific Standard Time

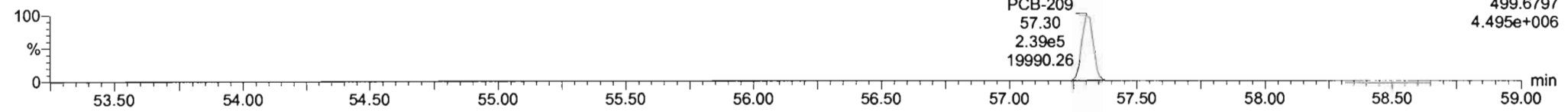
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**PCB-209**

201214K2\_1

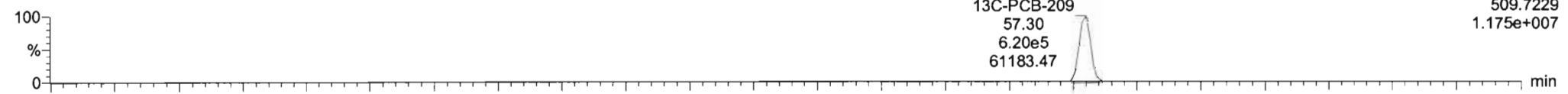


201214K2\_1

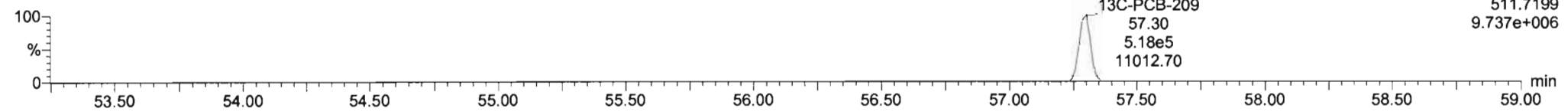


**13C-PCB-209**

201214K2\_1

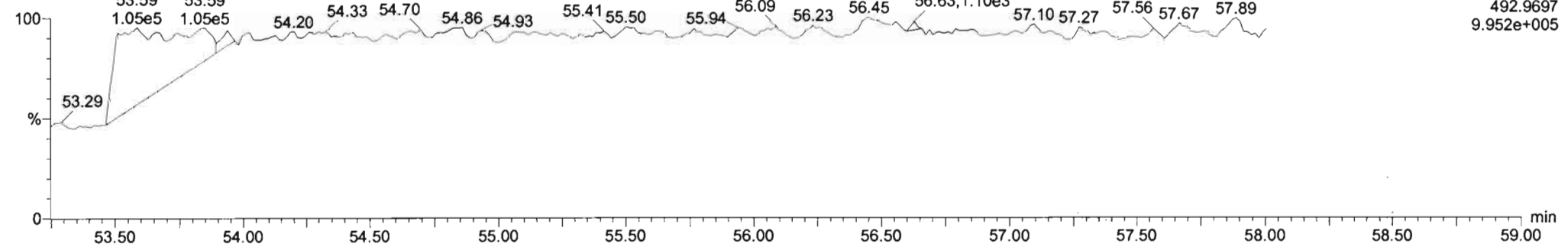


201214K2\_1



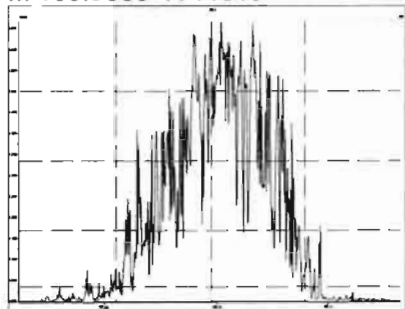
**PFK5b**

201214K2\_1

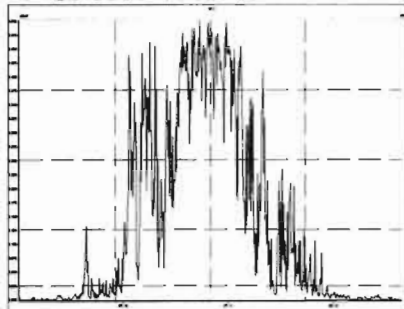


Printed: Tuesday, December 15, 2020 02:30:28 Pacific Standard Time

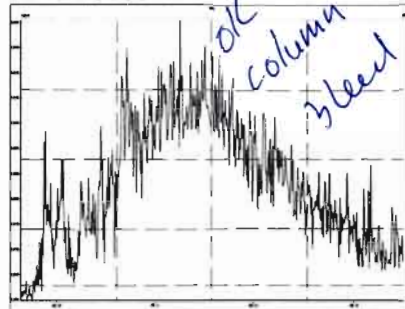
M 168.9888 R 11818



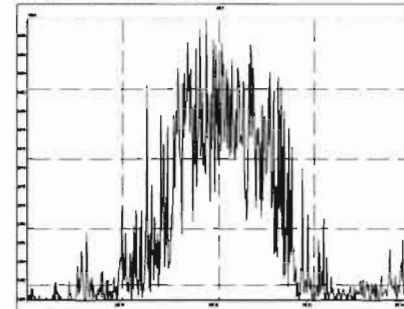
M 180.9888 R 12787



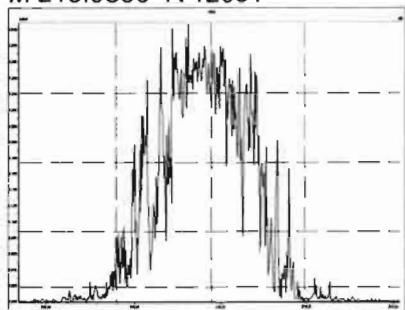
M 192.9888 R 0



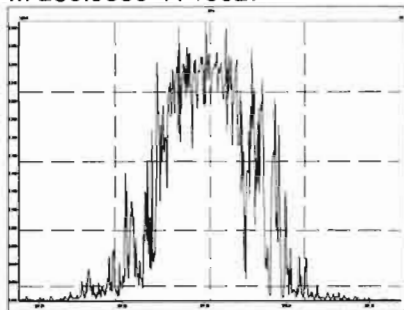
M 204.9888 R 13782



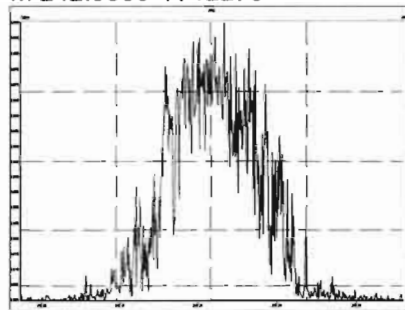
M 218.9856 R 12081



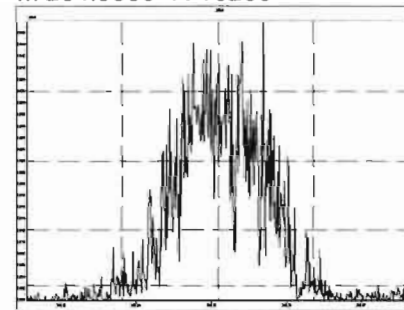
M 230.9856 R 13627



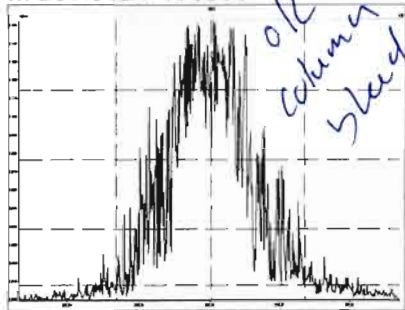
M 242.9856 R 12270



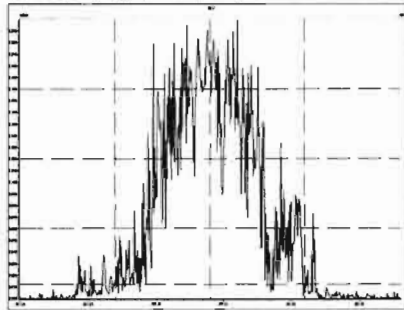
M 254.9856 R 13236



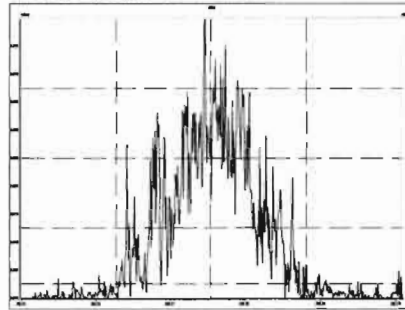
M 268.9824 R 9899



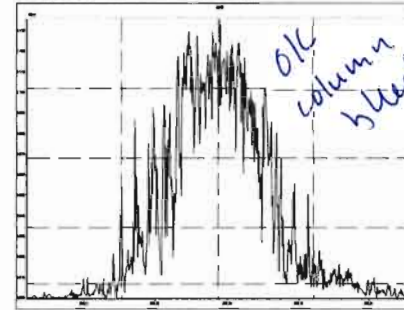
M 280.9824 R 13785



M 254.9856 R 13049

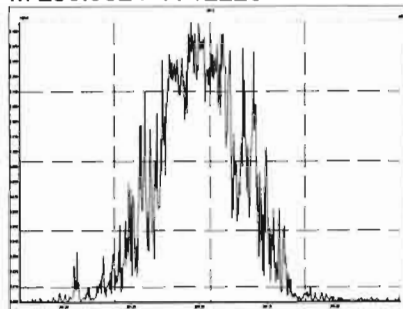


M 268.9824 R 9765

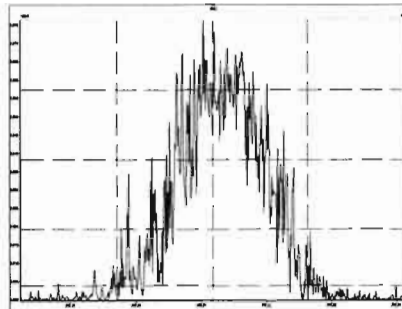


Printed: Tuesday, December 15, 2020 02:30:28 Pacific Standard Time

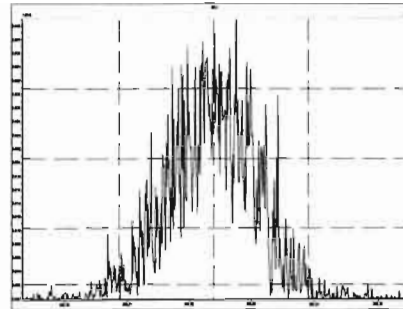
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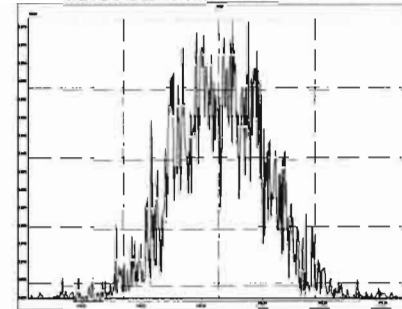
M 292.9824 R 13228



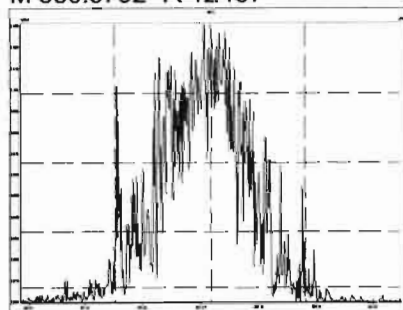
M 304.9824 R 13585



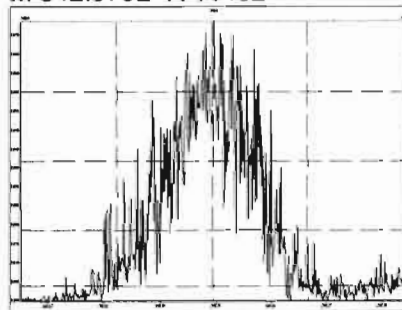
M 318.9792 R 11468



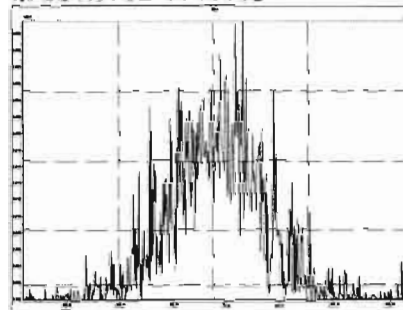
M 330.9792 R 12457



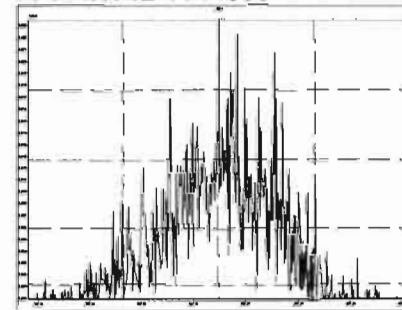
M 342.9792 R 11482



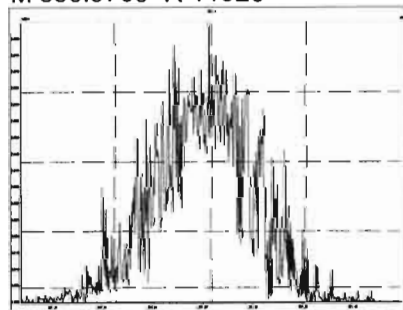
M 354.9792 R 15663



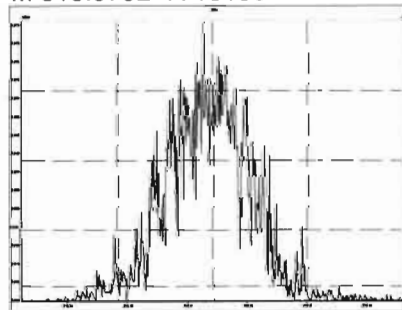
M 366.9792 R 14933



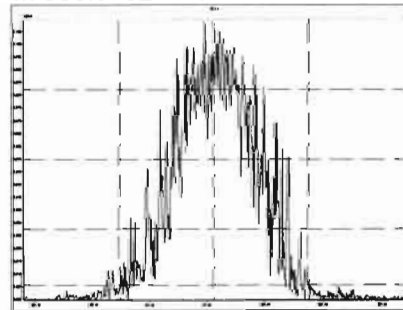
M 380.9760 R 11926



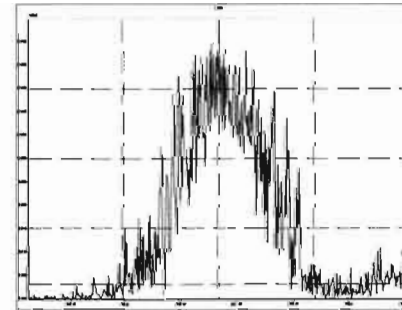
M 318.9792 R 13106



M 330.9792 R 12032



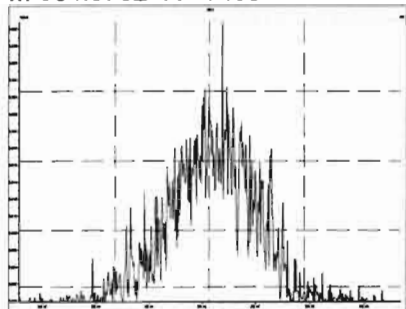
M 342.9792 R 13189



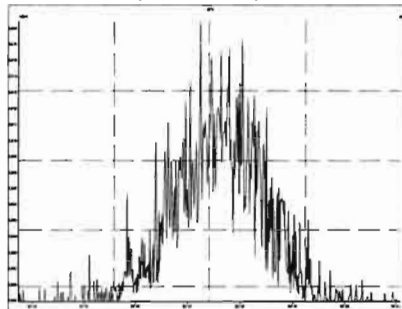


Printed: Tuesday, December 15, 2020 02:30:28 Pacific Standard Time

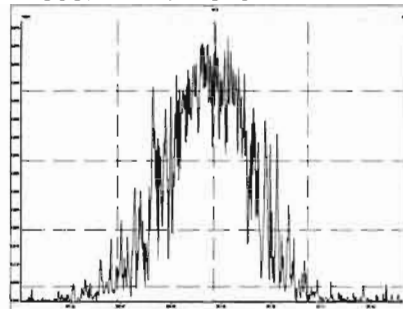
M 354.9792 R 12489



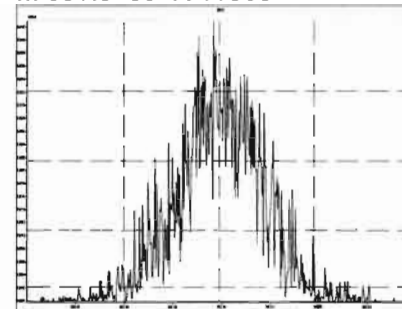
M 366.9792 R 14142



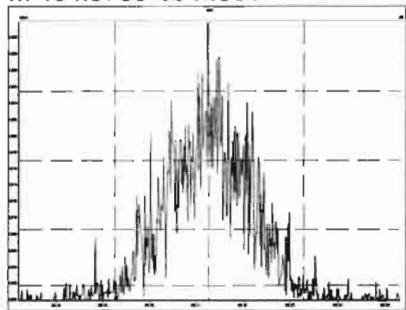
M 380.9760 R 13150



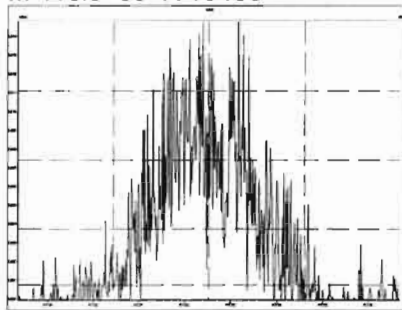
M 392.9760 R 12986



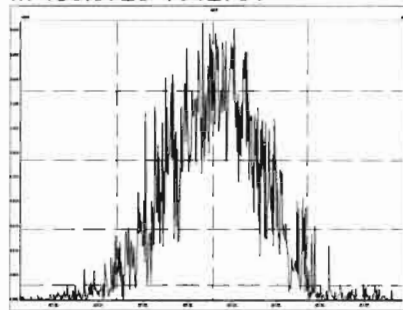
M 404.9760 R 14801



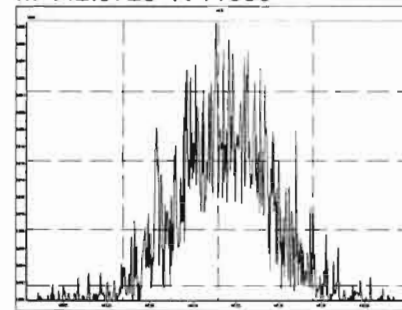
M 416.9760 R 13485



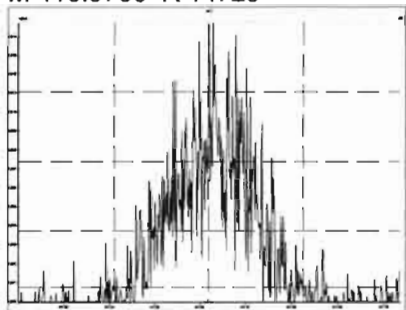
M 430.9728 R 12791



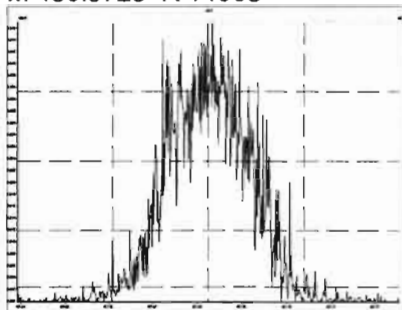
M 442.9728 R 11585



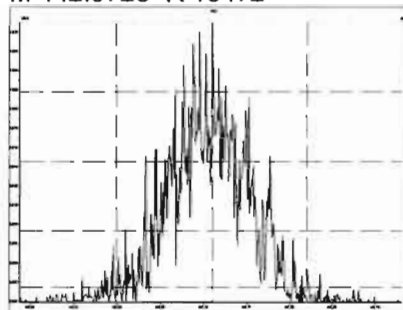
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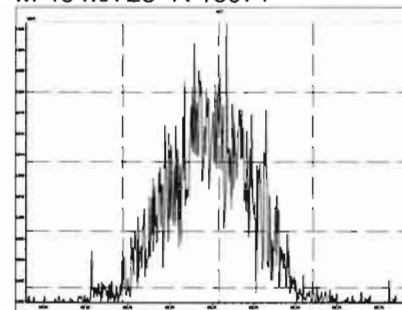
M 430.9728 R 14068



M 442.9728 R 13472

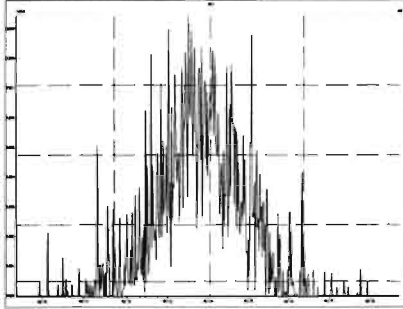


M 454.9728 R 13071

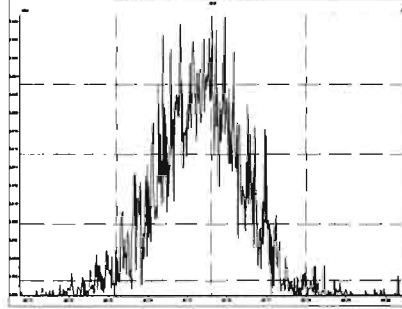


Printed: Tuesday, December 15, 2020 02:30:28 Pacific Standard Time

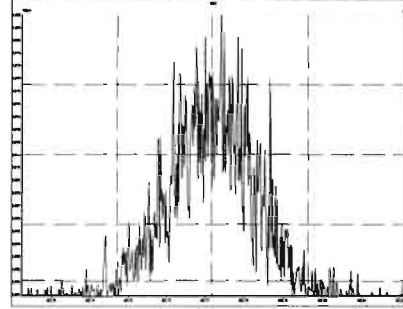
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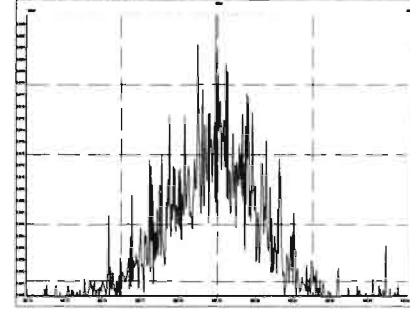
M 480.9696 R 13074



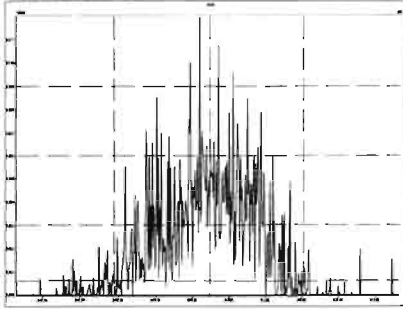
M 492.9696 R 12218



M 504.9696 R 14009



M 516.9697 R 14367



**QUALITY CALIBRATION STANDARDS REVIEW CHECKLIST**

**Begin Calibration ID:** ST201214K3-1

**Reviewed By:** HIN 12/16/2020

*Initials & Date*

**End Calibration ID:** NA

	<u>Begin</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input type="checkbox"/> NA	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input type="checkbox"/> NA	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>(ST-Year-Month-Day-VG ID)</b>		
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>HZ</u>	<u>↓</u>
<b>Run Log:</b>		
<b>- Correct Instrument listed?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
<b>- Samples within 12 hour clock?</b>	<input type="checkbox"/> (Y)	<input type="checkbox"/> N
<b>- Bottle position verified?</b>		<u>HZ</u>

**Mass resolution ≥**

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

**Integrated peaks display correctly?**

**GC Break <20%**

NA

**8280 CS1 End Standard:**

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

<u>(A)</u> <b>Begin</b>	<u>(B)</u> <b>End</b>
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
	<input type="checkbox"/> NA

**Comments:**

(A) 3 masses affected by column bleed  
 (B) 1 mass affected by column bleed

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-2.qld

Last Altered: Tuesday, December 15, 2020 07:47:37 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 07:48:20 Pacific Standard Time

*HC 12-15-2020*  
*HN 12/16/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.72e6	3.03	NO	0.986	1.000	15.42	15.43	1.001	1.001	NO	53.34	107	0.00896	53.34
2	2 PCB-2	1.77e6	3.10	NO	1.02	1.000	17.82	17.82	0.988	0.988	NO	53.84	108	0.00932	53.84
3	3 PCB-3	1.72e6	3.01	NO	1.00	1.000	18.04	18.06	1.001	1.001	NO	53.40	107	0.00950	53.40
4	4 PCB-4/10	2.45e6	1.57	NO	1.21	1.000	19.46	19.46	1.004	1.004	NO	110.7	111	0.0854	110.7
5	5 PCB-7/9	3.03e6	1.57	NO	0.939	1.000	21.25	21.23	1.003	1.002	NO	107.6	108	0.0695	107.6
6	6 PCB-6	1.59e6	1.59	NO	0.996	1.000	21.89	21.90	1.033	1.034	NO	53.20	106	0.0655	53.20
7	7 PCB-5/8	3.13e6	1.58	NO	0.976	1.000	22.30	22.31	1.052	1.053	NO	106.9	107	0.0669	106.9
8	8 PCB-14	1.58e6	1.60	NO	1.02	1.000	23.44	23.44	0.951	0.951	NO	53.78	108	0.0689	53.78
9	9 PCB-11	1.71e6	1.58	NO	1.12	1.000	24.66	24.66	1.001	1.001	NO	53.60	107	0.0632	53.60
10	10 PCB-12/13	3.14e6	1.58	NO	1.02	1.000	25.09	25.03	1.018	1.016	NO	107.8	108	0.0692	107.8
11	11 PCB-15	1.58e6	1.59	NO	1.02	1.000	25.37	25.38	1.030	1.030	NO	54.26	109	0.0694	54.26
12	12 PCB-19	8.89e5	0.99	NO	0.972	1.000	23.62	23.62	1.001	1.001	NO	54.44	109	0.0130	54.44
13	13 PCB-30	1.43e6	0.99	NO	1.54	1.000	24.53	24.53	1.040	1.040	NO	55.31	111	0.00819	55.31
14	14 PCB-18	9.71e5	1.01	NO	0.719	1.000	25.30	25.30	0.952	0.952	NO	54.78	110	0.0124	54.78
15	15 PCB-17	9.14e5	1.03	NO	0.672	1.000	25.47	25.47	0.958	0.958	NO	55.21	110	0.0133	55.21
16	16 PCB-24/27	2.57e6	1.01	NO	0.932	1.000	26.05	26.06	0.980	0.981	NO	112.0	112	0.00955	112.0
17	17 PCB-16/32	2.22e6	1.02	NO	0.824	1.000	26.60	26.60	1.001	1.001	NO	109.1	109	0.0108	109.1
18	18 PCB-34	1.30e6	1.04	NO	0.878	1.000	27.40	27.42	0.958	0.959	NO	55.33	111	0.0235	55.33
19	19 PCB-23	1.32e6	1.04	NO	0.892	1.000	27.50	27.51	0.962	0.962	NO	55.26	111	0.0231	55.26
20	20 PCB-29	1.28e6	1.05	NO	0.861	1.000	27.76	27.76	0.971	0.971	NO	55.69	111	0.0239	55.69
21	21 PCB-26	1.35e6	1.04	NO	0.915	1.000	27.99	27.98	0.979	0.979	NO	55.17	110	0.0225	55.17
22	22 PCB-25	1.32e6	1.05	NO	0.915	1.000	28.14	28.15	0.984	0.984	NO	54.10	108	0.0225	54.10
23	23 PCB-31	1.49e6	1.05	NO	1.03	1.000	28.51	28.50	0.997	0.997	NO	54.07	108	0.0200	54.07
24	24 PCB-28	1.52e6	1.07	NO	1.01	1.000	28.61	28.61	1.001	1.001	NO	56.12	112	0.0203	56.12
25	25 PCB-20/21/33	4.15e6	1.04	NO	0.913	1.000	29.25	29.24	1.023	1.023	NO	170.0	113	0.0226	170.0
26	26 PCB-22	1.49e6	1.04	NO	0.948	1.000	29.69	29.69	1.038	1.038	NO	58.64	117	0.0217	58.64
27	27 PCB-36	1.48e6	1.06	NO	1.07	1.000	30.35	30.34	0.932	0.931	NO	55.43	111	0.0217	55.43
28	28 PCB-39	1.37e6	1.03	NO	1.00	1.000	30.83	30.83	0.946	0.946	NO	54.44	109	0.0232	54.44
29	29 PCB-38	1.46e6	1.03	NO	1.05	1.000	31.61	31.61	0.970	0.970	NO	55.66	111	0.0221	55.66
30	30 PCB-35	1.45e6	1.03	NO	1.05	1.000	32.16	32.15	0.987	0.987	NO	55.45	111	0.0222	55.45
31	31 PCB-37	1.47e6	1.02	NO	1.03	1.000	32.60	32.59	1.001	1.001	NO	57.10	114	0.0226	57.10
32	32 PCB-54	1.13e6	0.76	NO	0.974	1.000	27.46	27.46	1.001	1.001	NO	55.01	110	0.0185	55.01

Dataset: U:\VG11.PRO\Results\201214K3\201214K3-2.qld

Last Altered: Tuesday, December 15, 2020 07:47:37 Pacific Standard Time  
 Printed: Tuesday, December 15, 2020 07:48:20 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50	9.13e5	0.76	NO	0.803	1.000	28.66	28.65	1.044	1.044	NO	53.80	108	0.0224	53.80
34	34 PCB-53	8.58e5	0.77	NO	0.939	1.000	29.32	29.32	0.943	0.943	NO	51.75	103	0.0238	51.75
35	35 PCB-51	9.33e5	0.76	NO	1.00	1.000	29.68	29.67	0.955	0.955	NO	52.89	106	0.0224	52.89
36	36 PCB-45	7.48e5	0.76	NO	0.802	1.000	30.13	30.12	0.969	0.969	NO	52.82	106	0.0279	52.82
37	37 PCB-46	7.14e5	0.77	NO	0.770	1.000	30.63	30.62	0.985	0.985	NO	52.53	105	0.0291	52.53
38	38 PCB-52/69	2.04e6	0.77	NO	1.08	1.000	31.12	31.12	1.001	1.001	NO	106.9	107	0.0207	106.9
39	39 PCB-73	1.25e6	0.76	NO	1.31	1.000	31.24	31.24	1.005	1.005	NO	54.19	108	0.0171	54.19
40	40 PCB-43/49	1.77e6	0.77	NO	0.925	1.000	31.41	31.40	1.010	1.010	NO	108.2	108	0.0242	108.2
41	41 PCB-47	8.58e5	0.76	NO	0.863	1.000	31.61	31.63	1.001	1.001	NO	53.77	108	0.0241	53.77
42	42 PCB-48/75	2.09e6	0.77	NO	1.04	1.000	31.74	31.74	1.005	1.005	NO	108.8	109	0.0200	108.8
43	43 PCB-65	1.11e6	0.76	NO	1.16	1.000	32.02	32.00	1.014	1.013	NO	51.81	104	0.0179	51.81
44	44 PCB-62	1.13e6	0.77	NO	1.04	1.000	32.11	32.11	1.016	1.016	NO	58.66	117	0.0200	58.66
45	45 PCB-44	7.53e5	0.76	NO	0.757	1.000	32.44	32.45	1.027	1.027	NO	53.71	107	0.0274	53.71
46	46 PCB-42/59	1.95e6	0.77	NO	0.975	1.000	32.67	32.67	1.034	1.034	NO	108.1	108	0.0213	108.1
47	47 PCB-41/64/71/72	4.41e6	0.76	NO	1.12	1.000	33.27	33.28	1.053	1.054	NO	213.6	107	0.0186	213.6
48	48 PCB-68	1.18e6	0.77	NO	1.19	1.000	33.54	33.54	1.062	1.062	NO	53.63	107	0.0175	53.63
49	49 PCB-40	5.72e5	0.75	NO	0.572	1.000	33.77	33.77	1.069	1.069	NO	54.03	108	0.0363	54.03
50	50 PCB-57	1.25e6	0.77	NO	1.08	1.000	34.12	34.14	0.969	0.969	NO	52.62	105	0.0161	52.62
51	51 PCB-67	1.18e6	0.75	NO	1.02	1.000	34.43	34.46	0.978	0.978	NO	52.61	105	0.0170	52.61
52	52 PCB-58	1.28e6	0.78	NO	1.08	1.000	34.55	34.57	0.981	0.982	NO	53.67	107	0.0160	53.67
53	53 PCB-63	1.15e6	0.76	NO	0.971	1.000	34.72	34.73	0.986	0.986	NO	53.51	107	0.0178	53.51
54	54 PCB-74	1.24e6	0.76	NO	1.09	1.000	35.02	35.03	0.994	0.995	NO	51.79	104	0.0159	51.79
55	55 PCB-61/70	2.34e6	0.78	NO	0.978	1.000	35.24	35.16	1.000	0.998	NO	108.4	108	0.0177	108.4
56	56 PCB-76/66	2.51e6	0.76	NO	1.07	1.000	35.41	35.44	1.005	1.006	NO	105.9	106	0.0162	105.9
57	57 PCB-80	1.32e6	0.77	NO	1.08	1.000	35.69	35.68	1.001	1.001	NO	54.34	109	0.0156	54.34
58	58 PCB-55	1.32e6	0.78	NO	1.06	1.000	36.02	36.00	1.010	1.009	NO	55.11	110	0.0158	55.11
59	59 PCB-56/60	2.27e6	0.77	NO	0.946	1.000	36.53	36.52	1.024	1.024	NO	106.5	106	0.0178	106.5
60	60 PCB-79	1.30e6	0.77	NO	1.06	1.000	37.63	37.62	1.055	1.055	NO	54.31	109	0.0159	54.31
61	61 PCB-78	1.24e6	0.75	NO	1.01	1.000	38.34	38.34	0.987	0.987	NO	55.92	112	0.0180	55.92
62	62 PCB-81	1.13e6	0.76	NO	0.941	1.000	38.88	38.88	1.000	1.000	NO	54.46	109	0.0192	54.46
63	63 PCB-77	1.22e6	0.77	NO	1.03	1.000	39.50	39.50	1.000	1.000	NO	54.55	109	0.0175	54.55
64	64 PCB-104	1.08e6	1.58	NO	0.982	1.000	32.28	32.30	1.001	1.001	NO	52.10	104	0.0101	52.10
65	65 PCB-96	1.07e6	1.53	NO	0.982	1.000	33.58	33.58	1.041	1.041	NO	51.93	104	0.0101	51.93
66	66 PCB-103	8.37e5	1.55	NO	0.770	1.000	34.13	34.16	1.058	1.059	NO	51.64	103	0.0129	51.64
67	67 PCB-100	8.57e5	1.56	NO	0.805	1.000	34.50	34.51	1.070	1.070	NO	50.56	101	0.0123	50.56
68	68 PCB-94	6.91e5	1.55	NO	0.831	1.000	34.99	34.99	0.985	0.985	NO	51.63	103	0.0153	51.63

Handwritten note: 75-1217 (circled in blue)

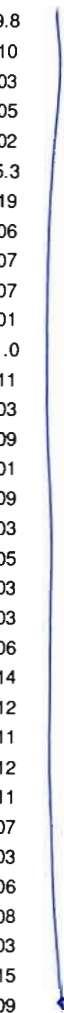
Dataset: U:\VG11.PRO\Results\201214K3\201214K3-2.qld

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Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	2.72e6	1.55	NO	1.07	1.000	35.48	35.48	0.999	0.998	NO	157.6	105	0.0119	157.6
70	70 PCB-93	5.83e5	1.59	NO	0.761	1.000	35.63	35.63	1.003	1.003	NO	47.55	95.1	0.0167	47.55
71	71 PCB-88/91	1.46e6	1.55	NO	0.910	1.000	35.96	35.96	1.012	1.012	NO	99.76	99.8	0.0140	99.76
72	72 PCB-121	1.30e6	1.57	NO	1.46	1.000	36.07	36.06	1.015	1.015	NO	55.19	110	0.00869	55.19
73	73 PCB-84/92	1.46e6	1.54	NO	0.826	1.000	36.91	36.91	0.990	0.990	NO	103.3	103	0.0145	103.3
74	74 PCB-89	7.97e5	1.57	NO	0.885	1.000	37.09	37.10	0.995	0.995	NO	52.74	105	0.0135	52.74
75	75 PCB-90/101	1.58e6	1.54	NO	0.905	1.000	37.30	37.28	1.000	1.000	NO	102.5	102	0.0132	102.5
76	76 PCB-113	1.02e6	1.56	NO	1.26	1.000	37.54	37.54	1.007	1.007	NO	47.67	95.3	0.00952	47.67
77	77 PCB-99	1.01e6	1.60	NO	0.993	1.000	37.64	37.64	1.010	1.009	NO	59.42	119	0.0121	59.42
78	78 PCB-119	1.13e6	1.57	NO	1.53	1.000	38.12	38.12	0.987	0.987	NO	53.01	106	0.00990	53.01
79	79 PCB-108/112	1.86e6	1.53	NO	1.25	1.000	38.28	38.27	0.991	0.991	NO	107.2	107	0.0122	107.2
80	80 PCB-83	1.16e6	1.56	NO	1.56	1.000	38.44	38.44	0.995	0.995	NO	53.32	107	0.00973	53.32
81	81 PCB-97	7.94e5	1.55	NO	1.12	1.000	38.64	38.64	1.000	1.000	NO	50.66	101	0.0135	50.66
82	82 PCB-86	6.72e5	1.53	NO	1.06	1.000	38.79	38.79	1.004	1.004	NO	45.51	91.0	0.0143	45.51
83	83 PCB-87/117/125	3.11e6	1.56	NO	1.34	1.000	38.93	38.92	1.008	1.008	NO	166.3	111	0.0113	166.3
84	84 PCB-111/115	2.33e6	1.53	NO	1.62	1.000	39.09	39.09	1.012	1.012	NO	103.2	103	0.00938	103.2
85	85 PCB-85/116	1.87e6	1.55	NO	1.23	1.000	39.21	39.22	1.015	1.015	NO	108.7	109	0.0123	108.7
86	86 PCB-120	1.26e6	1.55	NO	1.79	1.000	39.48	39.48	1.022	1.022	NO	50.58	101	0.00846	50.58
87	87 PCB-110	1.14e6	1.59	NO	1.50	1.000	39.63	39.61	1.026	1.026	NO	54.69	109	0.0101	54.69
88	88 PCB-82	6.67e5	1.58	NO	0.638	1.000	40.27	40.26	0.976	0.976	NO	51.40	103	0.0163	51.40
89	89 PCB-124	1.15e6	1.54	NO	1.08	1.000	40.98	40.97	0.993	0.993	NO	52.38	105	0.00965	52.38
90	90 PCB-107/109	2.33e6	1.55	NO	1.11	1.000	41.12	41.12	0.996	0.996	NO	103.0	103	0.00939	103.0
91	91 PCB-123	1.04e6	1.54	NO	1.00	1.000	41.29	41.28	1.000	1.000	NO	51.26	103	0.0104	51.26
92	92 PCB-106/118	2.26e6	1.55	NO	1.02	1.000	41.49	41.51	1.001	1.001	NO	106.4	106	0.0100	106.4
93	93 PCB-114	1.02e6	1.56	NO	1.08	1.000	42.15	42.15	1.000	1.000	NO	56.89	114	0.0272	56.89
94	94 PCB-122	8.61e5	1.57	NO	0.930	1.000	42.30	42.28	1.004	1.004	NO	56.05	112	0.0317	56.05
95	95 PCB-105	9.89e5	1.59	NO	1.03	1.000	43.04	43.04	1.000	1.000	NO	55.71	111	0.0274	55.71
96	96 PCB-127	1.04e6	1.57	NO	1.06	1.000	43.40	43.40	1.000	1.000	NO	55.75	112	0.0270	55.75
97	97 PCB-126	1.06e6	1.59	NO	1.15	1.000	45.35	45.35	1.000	1.000	NO	55.26	111	0.0259	55.26
98	98 PCB-155	9.03e5	1.25	NO	0.853	1.000	36.82	36.82	1.000	1.001	NO	53.69	107	0.00650	53.69
99	99 PCB-150	9.52e5	1.27	NO	0.934	1.000	38.12	38.12	1.036	1.036	NO	51.66	103	0.00593	51.66
100	1... PCB-152	1.06e6	1.27	NO	1.02	1.000	38.62	38.62	1.049	1.050	NO	52.95	106	0.00544	52.95
101	1... PCB-145	1.05e6	1.25	NO	0.983	1.000	39.09	39.07	1.062	1.062	NO	54.20	108	0.00564	54.20
102	1... PCB-136	8.92e5	1.29	NO	0.881	1.000	39.40	39.41	1.071	1.071	NO	51.32	103	0.00629	51.32
103	1... PCB-148	7.52e5	1.27	NO	0.666	1.000	39.53	39.52	1.074	1.074	NO	57.29	115	0.00832	57.29
104	1... PCB-154	7.77e5	1.26	NO	0.721	1.000	40.03	40.04	1.088	1.088	NO	54.66	109	0.00769	54.66

*75/125*



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Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151	6.71e5	1.27	NO	0.674	1.000	40.70	40.69	1.106	1.106	NO	50.49	101	0.00822	50.49
106	1... PCB-135	7.34e5	1.24	NO	0.723	1.000	40.93	40.91	1.112	1.112	NO	51.51	103	0.00766	51.51
107	1... PCB-144	7.22e5	1.28	NO	0.691	1.000	41.02	41.02	1.115	1.115	NO	52.93	106	0.00801	52.93
108	1... PCB-147	7.09e5	1.26	NO	0.713	1.000	41.16	41.15	1.119	1.118	NO	50.45	101	0.00777	50.45
109	1... PCB-139/149	1.61e6	1.27	NO	0.773	1.000	41.44	41.43	1.126	1.126	NO	105.7	106	0.00716	105.7
110	1... PCB-140	6.90e5	1.26	NO	0.652	1.000	41.64	41.62	1.131	1.131	NO	53.63	107	0.00849	53.63
111	1... PCB-134/143	1.20e6	1.25	NO	0.718	1.000	42.07	42.07	0.974	0.974	NO	109.8	110	0.0425	109.8
112	1... PCB-131/133	1.30e6	1.24	NO	0.768	1.000	42.40	42.40	0.982	0.982	NO	111.0	111	0.0397	111.0
113	1... PCB-142	5.86e5	1.24	NO	0.687	1.000	42.55	42.55	0.985	0.985	NO	55.85	112	0.0444	55.85
114	1... PCB-146/165	1.59e6	1.24	NO	0.943	1.000	42.79	42.77	0.991	0.990	NO	110.4	110	0.0323	110.4
115	1... PCB-132/161	1.60e6	1.23	NO	0.957	1.000	43.04	43.02	0.997	0.996	NO	109.2	109	0.0319	109.2
116	1... PCB-153	8.38e5	1.24	NO	0.990	1.000	43.23	43.21	1.001	1.000	NO	55.47	111	0.0308	55.47
117	1... PCB-168	8.51e5	1.26	NO	1.03	1.000	43.44	43.44	1.006	1.006	NO	53.90	108	0.0295	53.90
118	1... PCB-141	6.53e5	1.24	NO	0.948	1.000	43.97	43.97	1.000	1.000	NO	53.20	106	0.0374	53.20
119	1... PCB-137	6.99e5	1.22	NO	0.964	1.000	44.34	44.37	1.009	1.009	NO	56.02	112	0.0368	56.02
120	1... PCB-130	5.64e5	1.26	NO	0.816	1.000	44.46	44.48	1.012	1.012	NO	53.40	107	0.0435	53.40
121	1... PCB-138/163/164	2.62e6	1.24	NO	1.15	1.000	44.88	44.86	1.001	1.001	NO	164.9	110	0.0290	164.9
122	1... PCB-158/160	1.73e6	1.25	NO	1.14	1.000	45.12	45.10	1.007	1.006	NO	110.2	110	0.0294	110.2
123	1... PCB-129	5.62e5	1.21	NO	0.807	1.000	45.37	45.35	1.012	1.012	NO	50.57	101	0.0415	50.57
124	1... PCB-166	9.22e5	1.23	NO	1.03	1.000	45.83	45.82	0.993	0.993	NO	54.13	108	0.0283	54.13
125	1... PCB-159	9.68e5	1.24	NO	1.10	1.000	46.16	46.17	1.000	1.000	NO	53.44	107	0.0266	53.44
126	1... PCB-128/162	1.50e6	1.23	NO	0.836	1.000	46.46	46.47	1.007	1.007	NO	109.0	109	0.0349	109.0
127	1... PCB-167	9.00e5	1.25	NO	0.960	1.000	46.87	46.87	1.000	1.000	NO	54.93	110	0.0288	54.93
128	1... PCB-156	9.00e5	1.23	NO	1.06	1.000	48.19	48.19	1.000	1.000	NO	53.14	106	0.0283	53.14
129	1... PCB-157	8.42e5	1.24	NO	0.960	1.000	48.48	48.48	1.000	1.000	NO	53.90	108	0.0309	53.90
130	1... PCB-169	8.93e5	1.26	NO	1.04	1.000	50.75	50.75	1.000	1.000	NO	54.48	109	0.0299	54.48
131	1... PCB-188	9.47e5	1.03	NO	1.15	1.000	42.85	42.83	1.001	1.000	NO	53.17	106	0.0224	53.17
132	1... PCB-184	9.17e5	1.02	NO	1.14	1.000	43.30	43.29	1.011	1.011	NO	51.97	104	0.0226	51.97
133	1... PCB-179	9.32e5	1.02	NO	1.07	1.000	44.10	44.10	1.030	1.030	NO	56.01	112	0.0239	56.01
134	1... PCB-176	9.45e5	1.04	NO	1.11	1.000	44.57	44.57	1.041	1.041	NO	54.83	110	0.0231	54.83
135	1... PCB-186	1.02e6	1.03	NO	1.23	1.000	45.20	45.20	1.056	1.056	NO	53.33	107	0.0209	53.33
136	1... PCB-178	6.67e5	1.03	NO	0.830	1.000	45.73	45.71	1.068	1.068	NO	51.87	104	0.0310	51.87
137	1... PCB-175	6.85e5	1.02	NO	0.853	1.000	46.07	46.07	1.076	1.076	NO	51.88	104	0.0302	51.88
138	1... PCB-182/187	1.55e6	1.03	NO	0.942	1.000	46.26	46.24	1.081	1.080	NO	106.3	106	0.0273	106.3
139	1... PCB-183	7.52e5	1.03	NO	0.910	1.000	46.58	46.58	1.088	1.088	NO	53.35	107	0.0283	53.35
140	1... PCB-185	6.74e5	1.02	NO	1.24	1.000	47.26	47.25	0.954	0.954	NO	55.03	110	0.0322	55.03

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	6.36e5	1.04	NO	1.20	1.000	47.64	47.62	0.962	0.962	NO	53.64	107	0.0332	53.64
142	1... PCB-181	7.10e5	1.03	NO	1.33	1.000	47.74	47.74	0.964	0.964	NO	53.98	108	0.0299	53.98
143	1... PCB-177	6.12e5	1.04	NO	1.14	1.000	47.93	47.91	0.968	0.967	NO	54.22	108	0.0349	54.22
144	1... PCB-171	6.26e5	1.03	NO	1.22	1.000	48.22	48.21	0.974	0.974	NO	51.95	104	0.0327	51.95
145	1... PCB-173	5.77e5	1.03	NO	1.07	1.000	48.67	48.65	0.983	0.982	NO	54.64	109	0.0373	54.64
146	1... PCB-172	6.65e5	1.02	NO	1.26	1.000	49.12	49.12	0.992	0.992	NO	53.45	107	0.0317	53.45
147	1... PCB-192	8.80e5	1.03	NO	1.61	1.000	49.33	49.31	0.996	0.996	NO	55.14	110	0.0247	55.14
148	1... PCB-180	6.88e5	1.03	NO	1.30	1.000	49.54	49.54	1.000	1.000	NO	53.47	107	0.0306	53.47
149	1... PCB-193	7.92e5	1.01	NO	1.47	1.000	49.74	49.75	1.004	1.005	NO	54.44	109	0.0271	54.44
150	1... PCB-191	8.15e5	1.03	NO	1.51	1.000	50.01	50.01	1.010	1.010	NO	54.69	109	0.0264	54.69
151	1... PCB-170	5.84e5	1.02	NO	1.23	1.000	51.19	51.19	1.000	1.000	NO	51.82	104	0.0348	51.82
152	1... PCB-190	7.95e5	1.02	NO	1.61	1.000	51.40	51.39	1.005	1.004	NO	53.93	108	0.0266	53.93
153	1... PCB-189	8.06e5	1.02	NO	1.27	1.000	52.91	52.89	1.000	1.000	NO	52.21	104	0.0228	52.21
154	1... PCB-202	8.45e5	0.90	NO	0.995	1.000	48.44	48.42	1.001	1.000	NO	53.27	107	0.0113	53.27
155	1... PCB-201	7.61e5	0.90	NO	0.904	1.000	48.91	48.91	1.010	1.011	NO	52.81	106	0.0125	52.81
156	1... PCB-204	8.35e5	0.88	NO	0.955	1.000	49.06	49.08	1.014	1.014	NO	54.82	110	0.0118	54.82
157	1... PCB-197	8.15e5	0.89	NO	0.964	1.000	49.38	49.39	1.020	1.020	NO	53.02	106	0.0117	53.02
158	1... PCB-200	7.72e5	0.88	NO	0.911	1.000	50.31	50.33	1.039	1.040	NO	53.12	106	0.0124	53.12
159	1... PCB-198	5.91e5	0.89	NO	0.696	1.000	51.87	51.89	1.072	1.072	NO	53.30	107	0.0162	53.30
160	1... PCB-199	5.81e5	0.89	NO	0.706	1.000	52.00	52.00	1.074	1.074	NO	51.61	103	0.0159	51.61
161	1... PCB-196/203	1.21e6	0.88	NO	0.754	1.000	52.30	52.30	1.081	1.081	NO	100.6	101	0.0149	100.6
162	1... PCB-195	4.99e5	0.89	NO	0.957	1.000	53.59	53.60	0.984	0.984	NO	55.29	111	0.0347	55.29
163	1... PCB-194	5.48e5	0.89	NO	1.06	1.000	54.51	54.51	1.000	1.000	NO	54.71	109	0.0313	54.71
164	1... PCB-205	6.91e5	0.90	NO	1.27	1.000	54.78	54.79	1.005	1.005	NO	57.68	115	0.0262	57.68
165	1... PCB-208	5.96e5	1.35	NO	0.861	1.000	53.75	53.75	1.000	1.000	NO	54.70	109	0.0340	54.70
166	1... PCB-207	5.85e5	1.34	NO	0.849	1.000	54.08	54.08	1.007	1.007	NO	54.37	109	0.0344	54.37
167	1... PCB-206	4.52e5	1.30	NO	0.951	1.000	56.05	56.04	1.000	1.000	NO	54.41	109	0.0448	54.41
168	1... PCB-209	5.32e5	1.19	NO	0.863	1.000	57.27	57.29	1.000	1.000	NO	52.88	106	0.00491	52.88
169	1... 13C-PCB-1	3.27e6	3.20	NO	0.937	1.000	15.42	15.41	0.608	0.608	NO	113.0	113	0.0565	
170	1... 13C-PCB-3	3.21e6	3.30	NO	0.934	1.000	18.04	18.03	0.712	0.711	NO	111.6	112	0.0567	
171	1... 13C-PCB-4	1.83e6	1.57	NO	0.599	1.000	19.39	19.38	0.765	0.764	NO	99.12	99.1	0.0384	
172	1... 13C-PCB-9	3.00e6	1.60	NO	0.960	1.000	21.20	21.19	0.836	0.836	NO	101.5	101	0.0240	
173	1... 13C-PCB-11	2.86e6	1.56	NO	0.929	1.000	24.63	24.64	0.971	0.972	NO	99.88	99.9	0.0248	
174	1... 13C-PCB-19	1.68e6	0.96	NO	0.506	1.000	23.60	23.59	0.931	0.930	NO	107.6	108	0.438	
175	1... 13C-PCB-32	2.46e6	1.02	NO	0.738	1.000	26.58	26.58	1.049	1.048	NO	108.3	108	0.301	
176	1... 13C-PCB-28	2.67e6	1.05	NO	1.06	1.000	28.59	28.59	1.004	1.004	NO	98.44	98.4	0.194	



Dataset: U:\VG11.PRO\Results\201214K3\201214K3-2.qld

Last Altered: Tuesday, December 15, 2020 07:47:37 Pacific Standard Time

Printed: Tuesday, December 15, 2020 07:48:20 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	2.51e6	1.04	NO	0.979	1.000	32.57	32.58	1.143	1.144	NO	99.93	99.9	0.210	
178	1... 13C-PCB-54	2.12e6	0.82	NO	0.981	1.000	27.43	27.44	0.751	0.752	NO	96.54	96.5	0.0404	
179	1... 13C-PCB-52	1.77e6	0.77	NO	0.786	1.000	31.09	31.09	0.852	0.852	NO	100.5	101	0.0504	
180	1... 13C-PCB-47	1.85e6	0.77	NO	0.833	1.000	31.60	31.59	0.866	0.865	NO	99.54	99.5	0.0476	
181	1... 13C-PCB-70	2.21e6	0.79	NO	0.981	1.000	35.23	35.22	0.965	0.965	NO	100.8	101	0.0404	
182	1... 13C-PCB-80	2.26e6	0.78	NO	1.01	1.000	35.66	35.66	0.977	0.977	NO	99.65	99.7	0.0391	
183	1... 13C-PCB-81	2.21e6	0.78	NO	0.995	1.000	38.86	38.87	1.064	1.065	NO	99.57	99.6	0.0398	
184	1... 13C-PCB-77	2.18e6	0.79	NO	0.977	1.000	39.48	39.48	1.082	1.082	NO	99.87	99.9	0.0406	
185	1... 13C-PCB-104	2.11e6	1.57	NO	1.00	1.000	32.29	32.26	0.826	0.826	NO	101.2	101	0.0195	
186	1... 13C-PCB-95	1.61e6	1.59	NO	0.779	1.000	35.53	35.53	0.910	0.910	NO	99.85	99.9	0.0252	
187	1... 13C-PCB-101	1.71e6	1.57	NO	0.833	1.000	37.28	37.28	0.954	0.954	NO	99.05	99.0	0.0236	
188	1... 13C-PCB-97	1.39e6	1.58	NO	0.679	1.000	38.62	38.62	0.988	0.989	NO	99.18	99.2	0.0289	
189	1... 13C-PCB-123	2.04e6	1.58	NO	0.970	1.000	41.26	41.27	1.056	1.056	NO	101.4	101	0.0202	
190	1... 13C-PCB-118	2.08e6	1.58	NO	1.00	1.000	41.45	41.45	1.061	1.061	NO	100.3	100	0.0196	
191	1... 13C-PCB-114	1.65e6	1.60	NO	1.55	1.000	42.14	42.13	0.908	0.907	NO	90.57	90.6	0.0384	
192	1... 13C-PCB-105	1.72e6	1.59	NO	1.59	1.000	43.02	43.02	0.927	0.927	NO	91.40	91.4	0.0373	
193	1... 13C-PCB-127	1.76e6	1.60	NO	1.66	1.000	43.38	43.38	0.934	0.934	NO	90.21	90.2	0.0358	
194	1... 13C-PCB-126	1.67e6	1.56	NO	1.65	1.000	45.33	45.33	0.976	0.976	NO	86.29	86.3	0.0361	
195	1... 13C-PCB-155	1.97e6	1.29	NO	0.819	1.000	36.80	36.80	0.942	0.942	NO	116.2	116	0.0133	
196	1... 13C-PCB-153	1.53e6	1.25	NO	1.31	1.000	43.20	43.19	0.930	0.930	NO	98.63	98.6	0.0531	
197	1... 13C-PCB-141	1.29e6	1.28	NO	1.08	1.000	43.97	43.95	0.947	0.947	NO	101.4	101	0.0643	
198	1... 13C-PCB-138	1.38e6	1.27	NO	1.15	1.000	44.82	44.82	0.965	0.965	NO	101.5	102	0.0605	
199	1... 13C-PCB-159	1.65e6	1.28	NO	1.39	1.000	46.16	46.15	0.994	0.994	NO	100.5	101	0.0500	
200	2... 13C-PCB-167	1.71e6	1.28	NO	1.43	1.000	46.86	46.85	1.009	1.009	NO	101.5	102	0.0489	
201	2... 13C-PCB-156	1.59e6	1.27	NO	1.34	1.000	48.20	48.17	1.038	1.038	NO	101.0	101	0.0520	
202	2... 13C-PCB-157	1.63e6	1.28	NO	1.36	1.000	48.46	48.46	1.044	1.044	NO	101.6	102	0.0513	
203	2... 13C-PCB-169	1.58e6	1.28	NO	1.33	1.000	50.73	50.73	1.092	1.093	NO	100.5	100	0.0523	
204	2... 13C-PCB-188	1.55e6	0.44	NO	1.39	1.000	42.80	42.81	0.925	0.926	NO	102.6	103	0.0396	
205	2... 13C-PCB-180	9.89e5	0.44	NO	0.907	1.000	49.51	49.52	1.071	1.071	NO	100.5	101	0.0607	
206	2... 13C-PCB-170	9.15e5	0.43	NO	0.823	1.000	51.16	51.17	1.106	1.107	NO	102.5	103	0.0669	
207	2... 13C-PCB-189	1.21e6	0.44	NO	1.08	1.000	52.86	52.89	1.143	1.144	NO	103.9	104	0.0512	
208	2... 13C-PCB-202	1.59e6	0.91	NO	1.23	1.000	48.39	48.40	1.046	1.047	NO	119.3	119	0.0355	
209	2... 13C-PCB-194	9.44e5	0.91	NO	0.710	1.000	54.50	54.49	0.995	0.995	NO	98.23	98.2	0.0494	
210	2... 13C-PCB-208	1.27e6	0.79	NO	0.865	1.000	53.74	53.73	0.981	0.981	NO	108.1	108	0.0537	
211	2... 13C-PCB-206	8.73e5	0.80	NO	0.623	1.000	56.05	56.03	1.023	1.023	NO	103.6	104	0.0746	
212	2... 13C-PCB-209	1.17e6	1.19	NO	0.725	1.000	57.29	57.27	1.046	1.046	NO	118.9	119	0.0103	

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Dataset: U:\VG11.PRO\Results\201214K3\201214K3-2.qld

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Printed: Tuesday, December 15, 2020 07:48:20 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.08e6	1.57	NO	1.00	1.000	25.39	25.35	1.000	0.000	NO	100.0	100	0.0230	
214	2... 13C-PCB-31	2.56e6	1.04	NO	1.00	1.000	28.52	28.48	1.000	0.000	NO	100.0	100	0.205	
215	2... 13C-PCB-60	2.23e6	0.78	NO	1.00	1.000	36.54	36.50	1.000	0.000	NO	100.0	100	0.0396	
216	2... 13C-PCB-111	2.07e6	1.58	NO	1.00	1.000	39.11	39.07	1.000	0.000	NO	100.0	100	0.0196	
217	2... 13C-PCB-128	1.18e6	1.27	NO	1.00	1.000	46.47	46.43	1.000	0.000	NO	100.0	100	0.0697	
218	2... 13C-PCB-182	1.09e6	0.44	NO	1.00	1.000	46.30	46.24	0.000	0.000	NO	100.0	100	0.0550	
219	2... 13C-PCB-205	1.35e6	0.91	NO	1.00	1.000	54.81	54.77	1.000	0.000	NO	100.0	100	0.0351	
220	2... 13C-PCB-79	2.30e6	0.78	NO	1.04	1.000	37.60	37.60	1.030	1.030	NO	99.33	99.3	0.0383	751257
221	2... 13C-PCB-178	9.91e5	0.44	NO	0.774	1.000	45.68	45.69	0.988	0.988	NO	108.6	109	0.0697	
222	2... 13C-PCB-79	2.30e6	0.78	NO	1.04	1.000	37.61	37.60	0.968	0.967	NO	99.73	99.7	0.0402	
223	2... 13C-PCB-178	9.91e5	0.44	NO	1.02	1.000	45.69	45.69	0.923	0.923	NO	98.45	98.5	0.0607	

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 15:43:52 Pacific Standard Time

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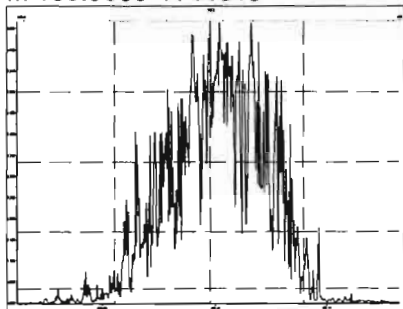
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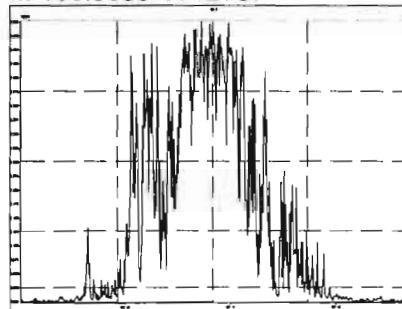
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2	201214K3_2	ST201214K3-1 PCB 209 CS3 20J1217	15-Dec-20	03:29:28
3	201214K3_3	SOLVENT BLANK	15-Dec-20	04:29:49
4	201214K3_4	2002605-01 OWS-SCHU-T201118124352 0.9...	15-Dec-20	05:30:11
5	201214K3_5	2002605-02 OWS-SCHU-T201123132352 0.9...	15-Dec-20	06:30:25
6	201214K3_6	2002605-03 OWS-THIS-T201118124437 0.99...	15-Dec-20	07:30:44
7	201214K3_7	2002605-04 OWS-THIS-T201123132429 0.96...	15-Dec-20	08:30:57
8	201214K3_8	2002605-05 OWS-WAFO-T201118124257 0.9...	15-Dec-20	09:31:14
9	201214K3_9	2002605-06 OWS-WAFO-T201123132511 0.9...	15-Dec-20	10:31:32
10	201214K3_10	BOL0053-DUP1 Duplicate 11.79	15-Dec-20	11:31:49
11	201214K3_11	2002549-01 USMPDI-013SG-201116 13.87	15-Dec-20	12:32:07
12	201214K3_12	2002549-02 USMPDI-014SG-201116 13.38	15-Dec-20	13:32:25
13	201214K3_13	2002549-03 USMPDI-018SG-201116 11.64	15-Dec-20	14:32:41

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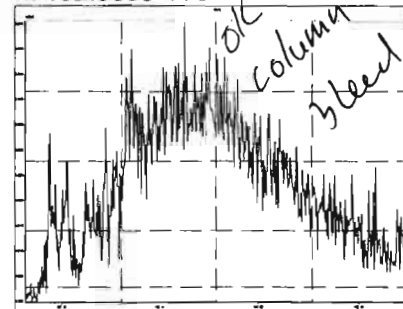
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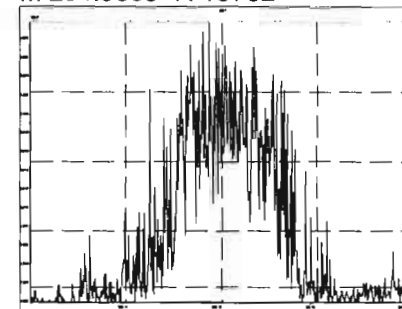
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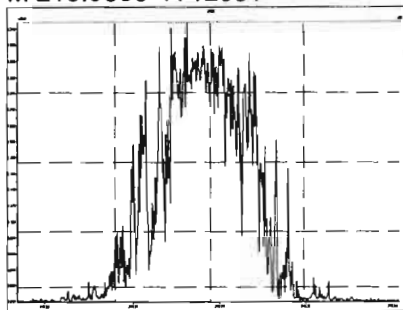
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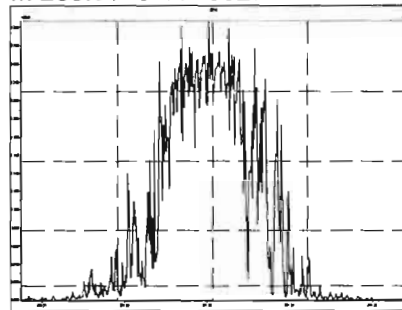
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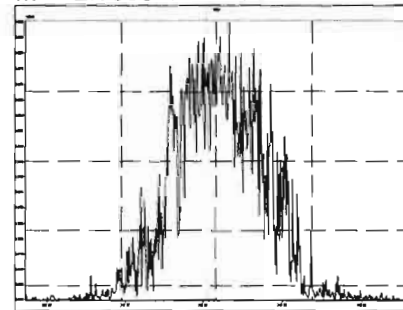
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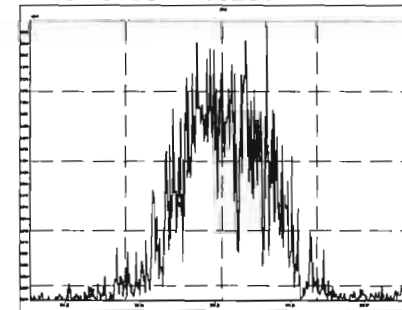
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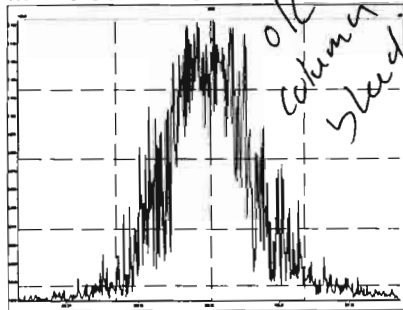
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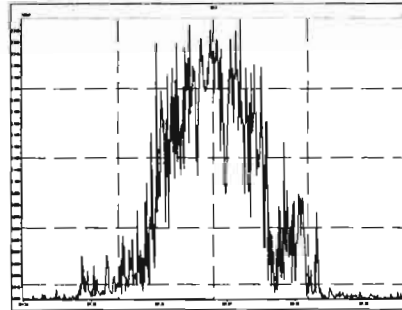
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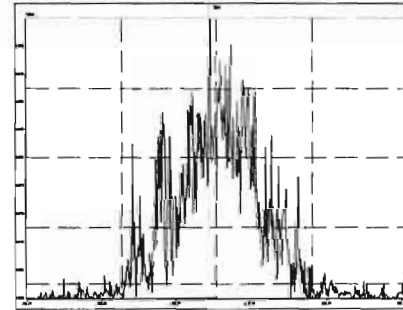
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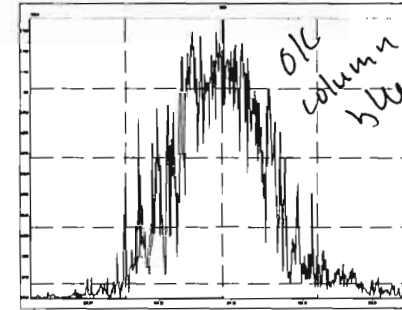
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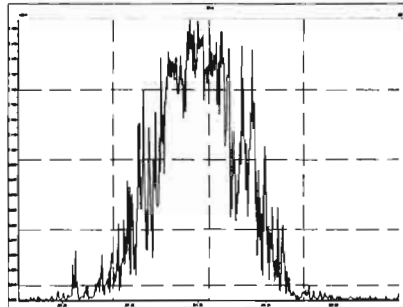


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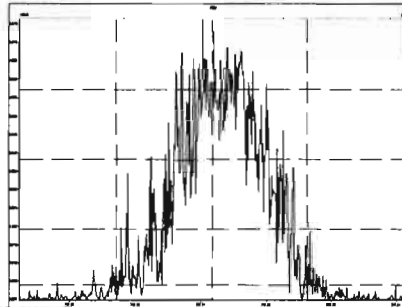


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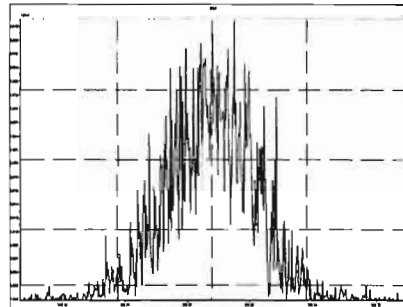
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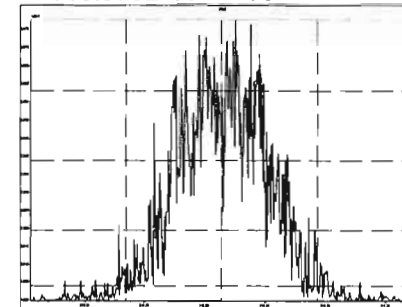
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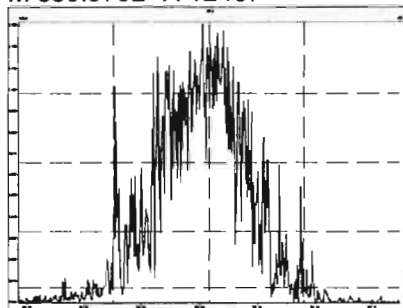
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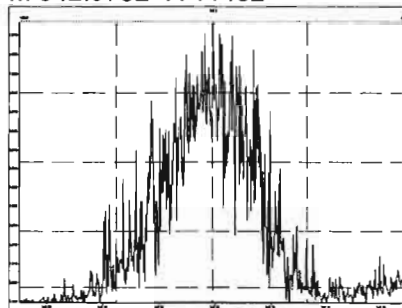
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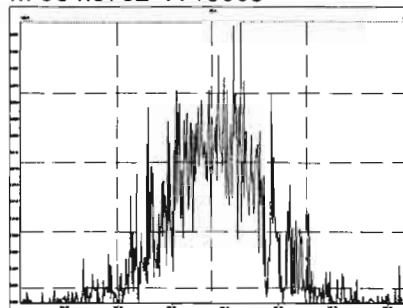
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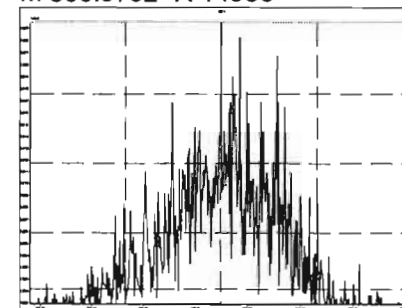
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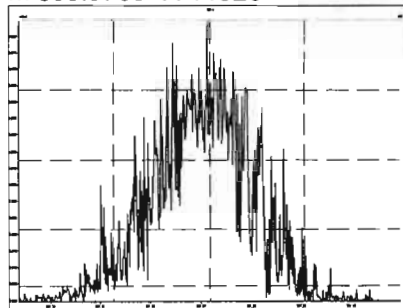
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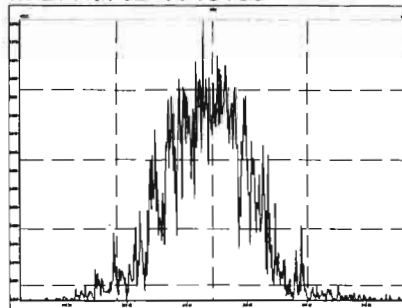
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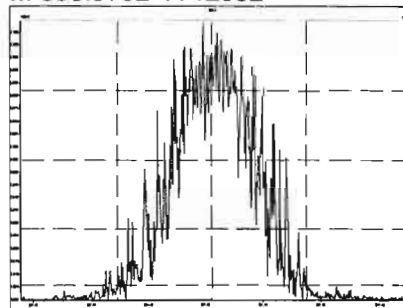
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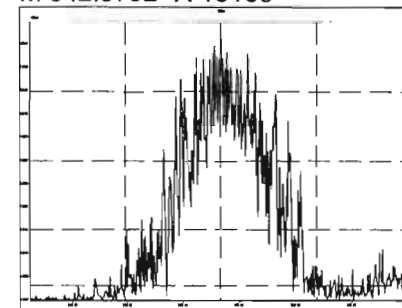
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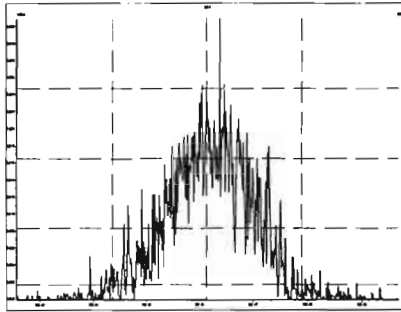


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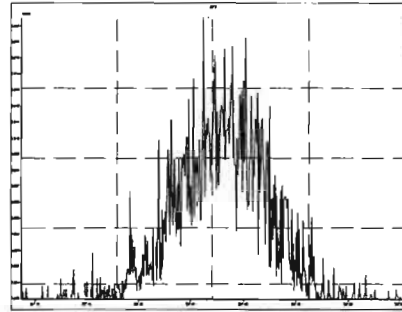


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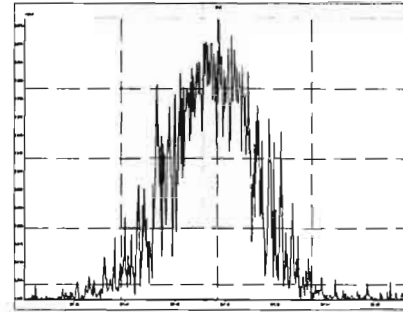
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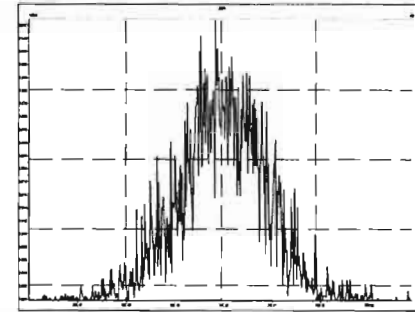
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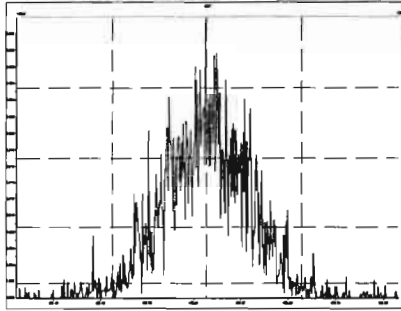
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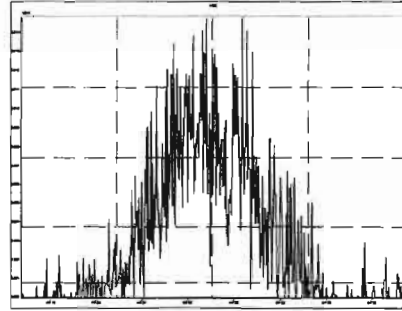
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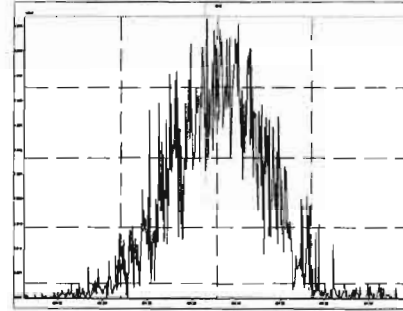
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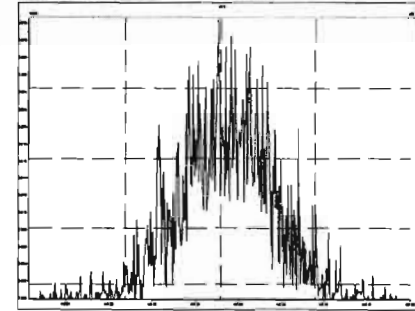
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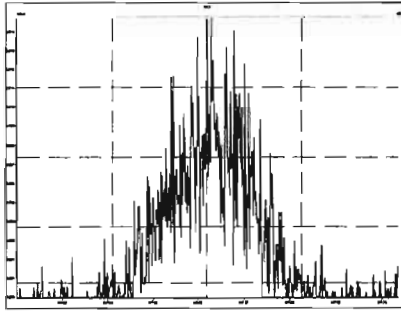
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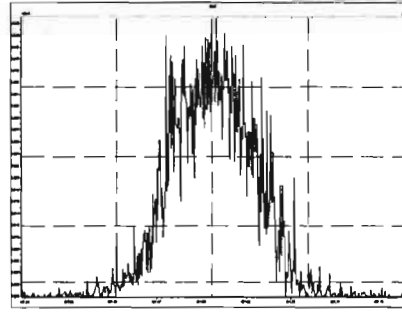
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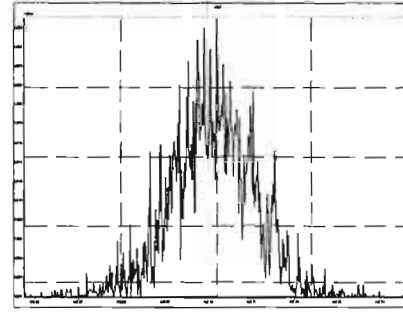
M 416.9760 R 14729



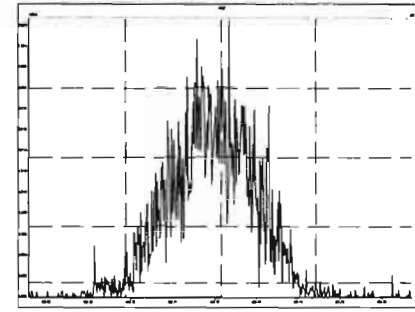
M 430.9728 R 14068



M 442.9728 R 13472

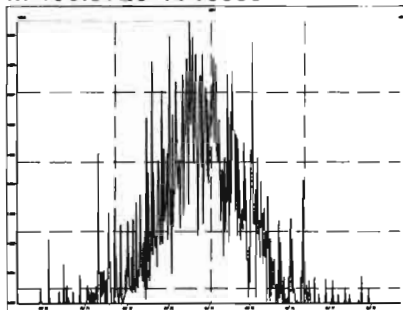


M 454.9728 R 13071

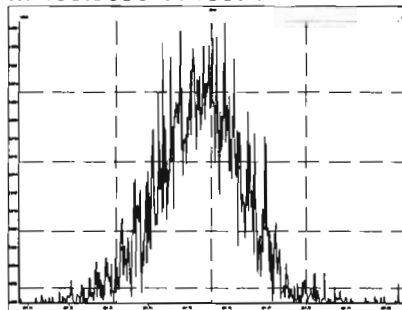


Printed: Tuesday, December 15, 2020 02:30:28 Pacific Standard Time

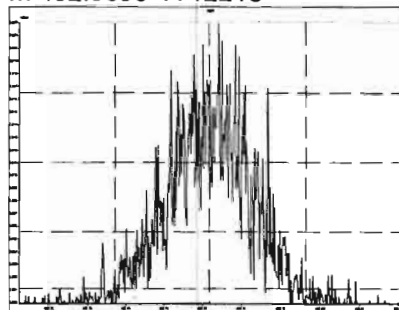
M 466.9728 R 16880



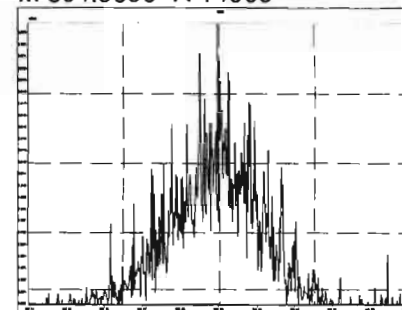
M 480.9696 R 13074



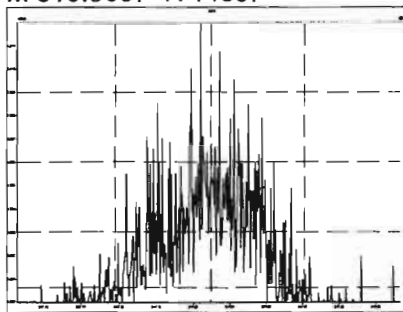
M 492.9696 R 12218



M 504.9696 R 14009



M 516.9697 R 14367

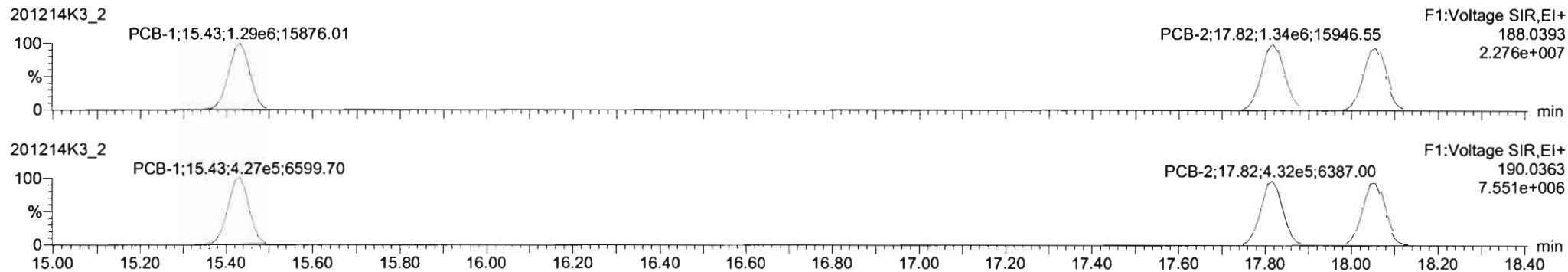


Dataset: Untitled

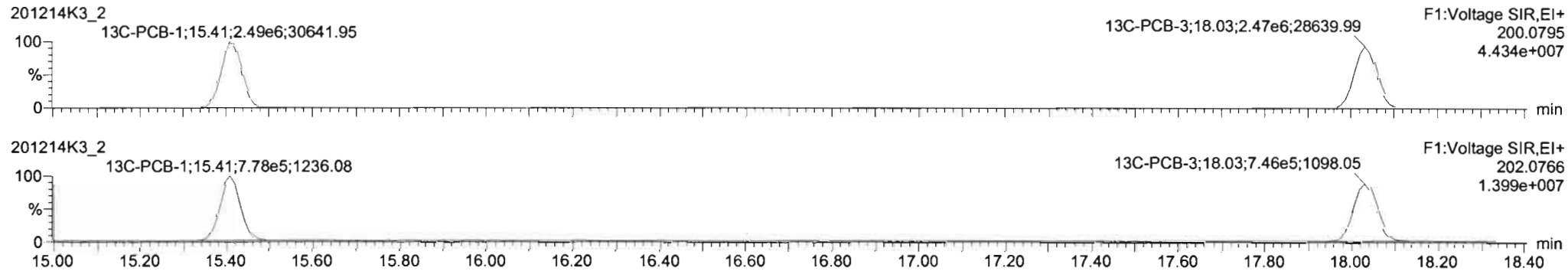
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

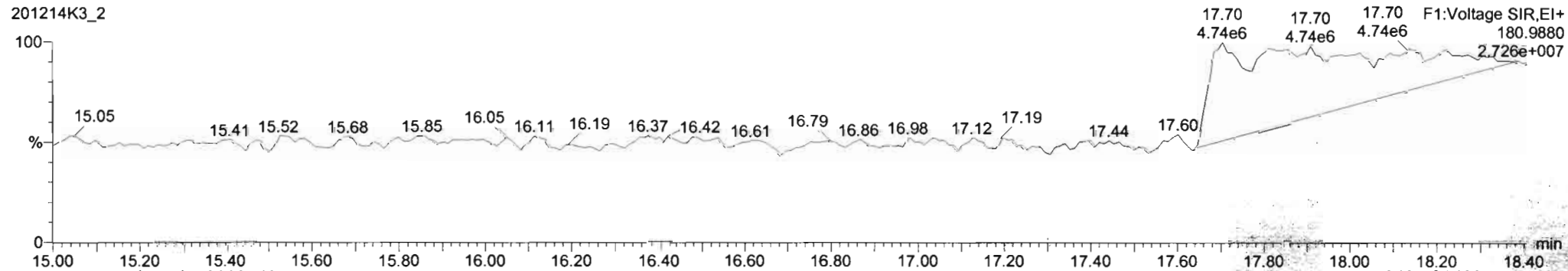
**PCB-1**



**13C-PCB-1**



**PFK1**





Dataset: Untitled

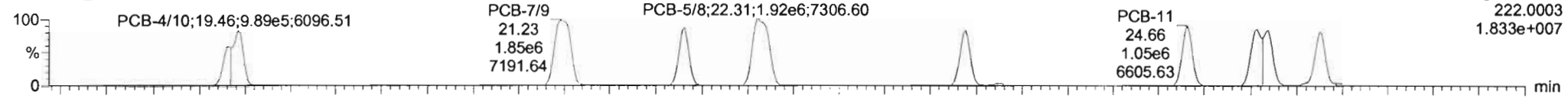
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time

Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

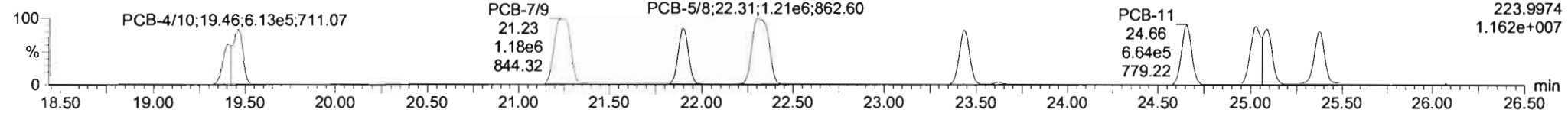
Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-4/10**

201214K3\_2

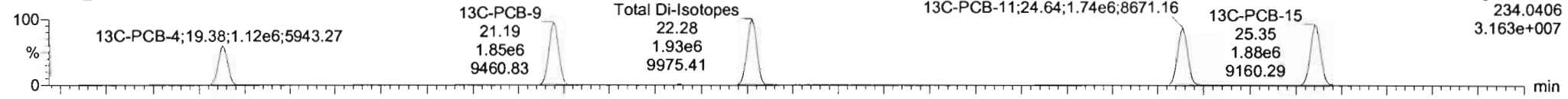


201214K3\_2

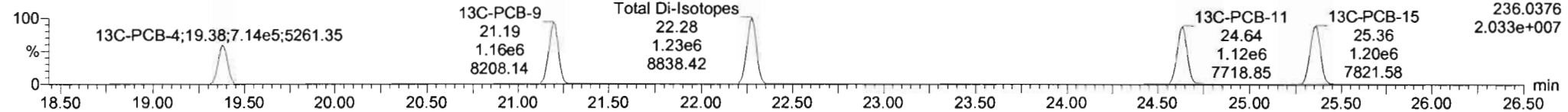


**13C-PCB-4**

201214K3\_2

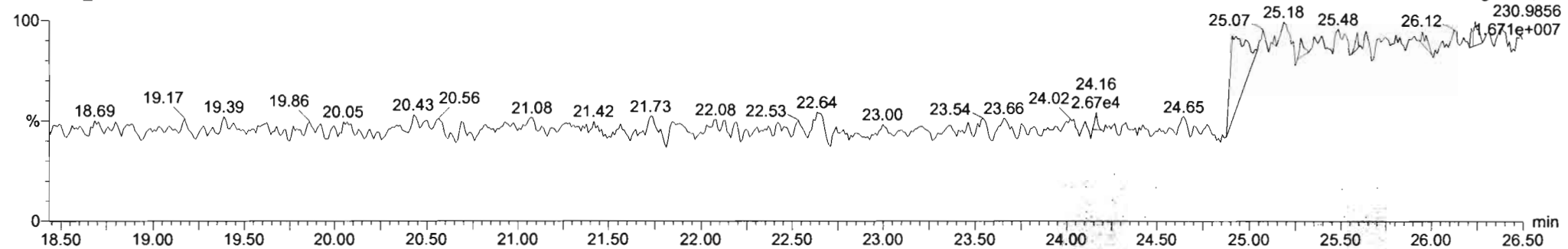


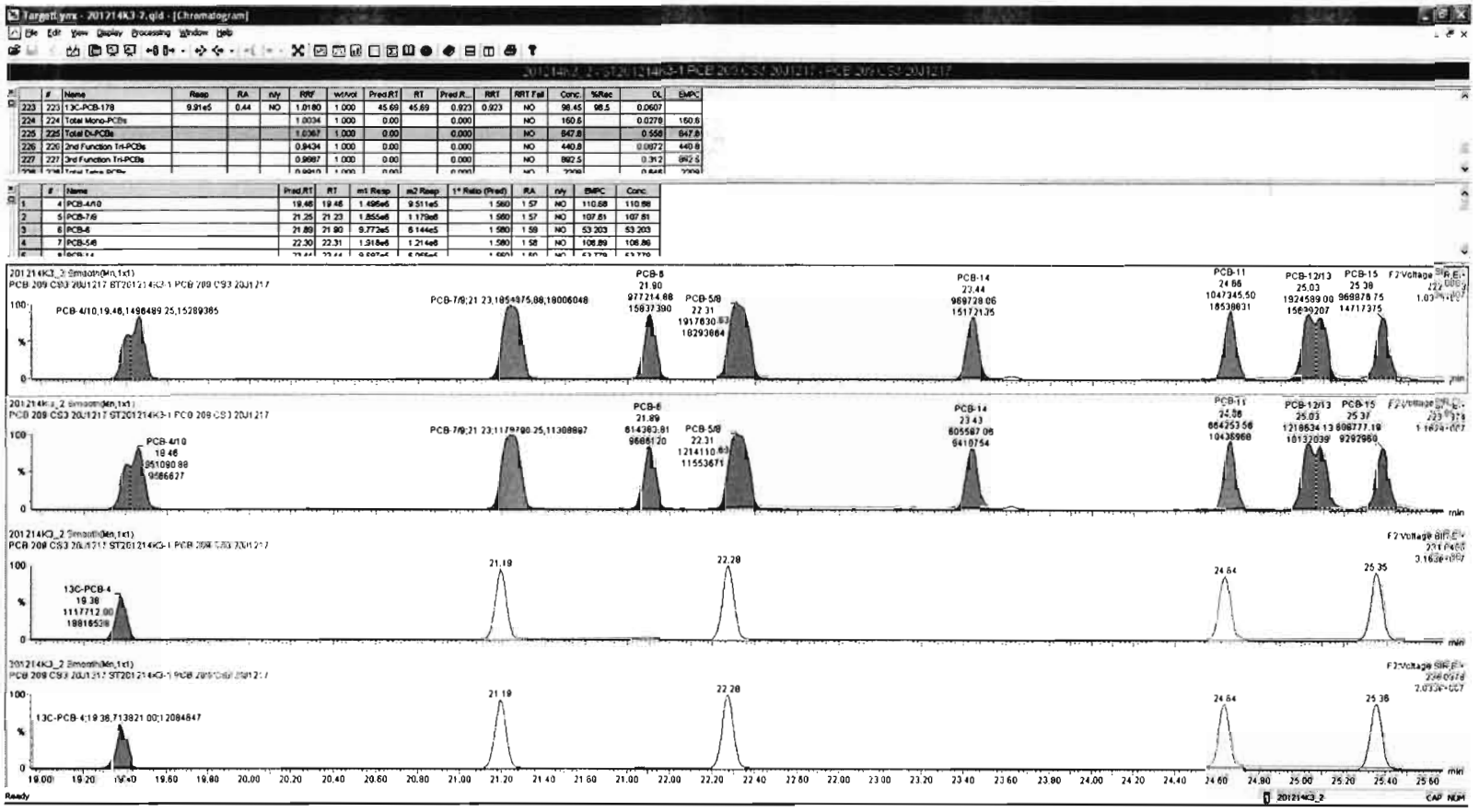
201214K3\_2



**PFK2a**

201214K3\_2



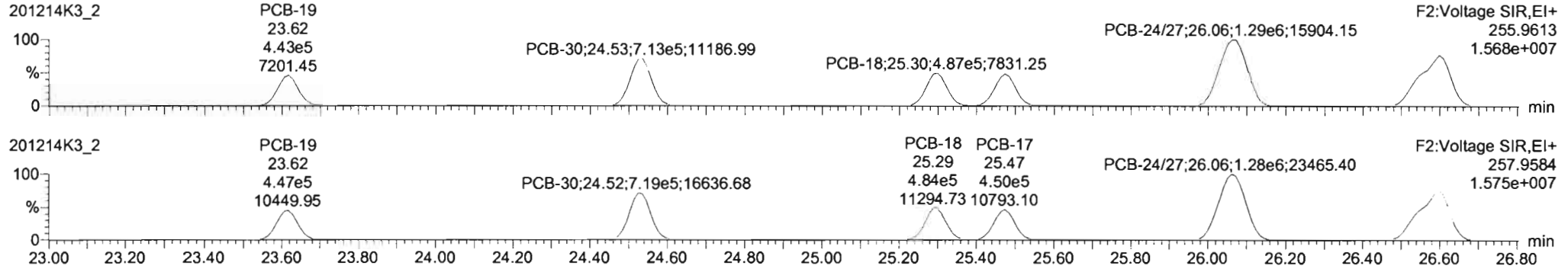


Dataset: Untitled

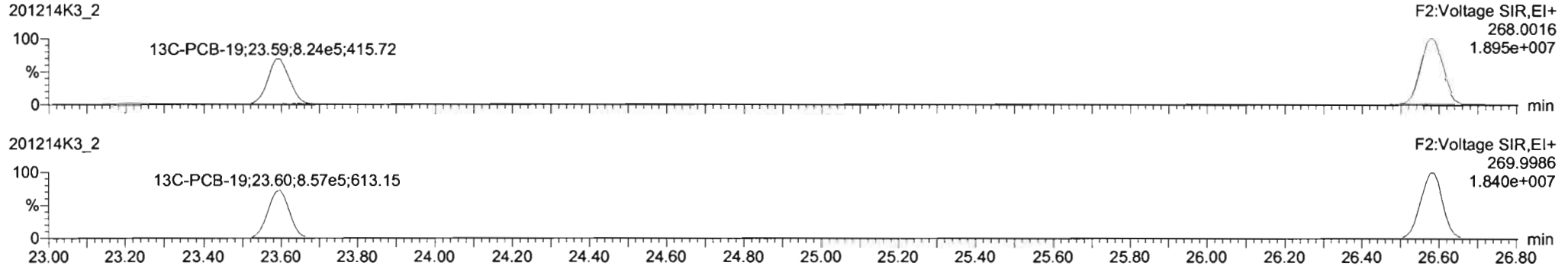
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

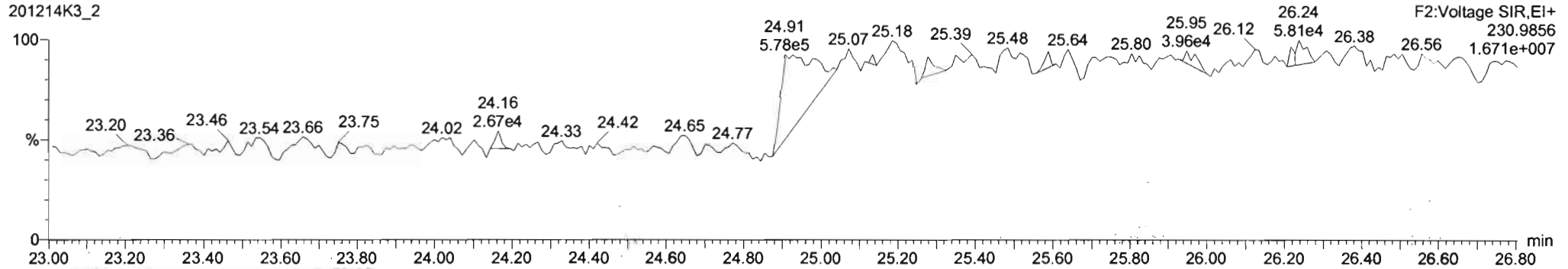
**PCB-19**



**13C-PCB-19**



**PFK2b**

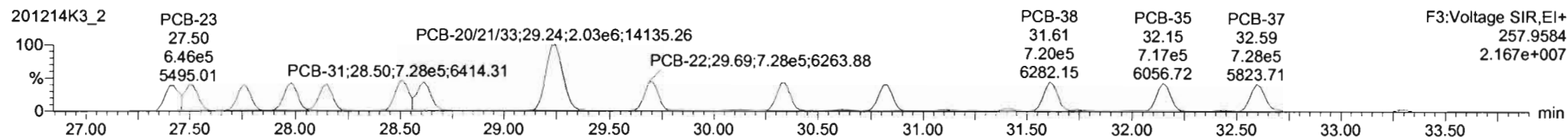
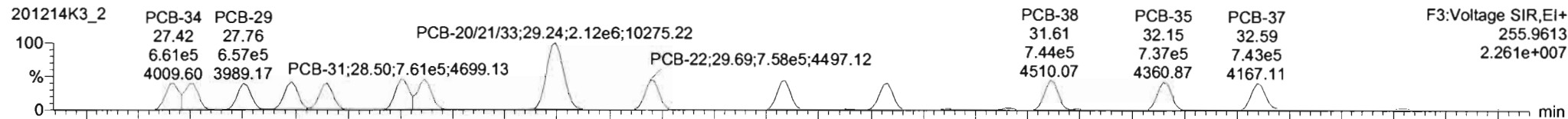


Dataset: Untitled

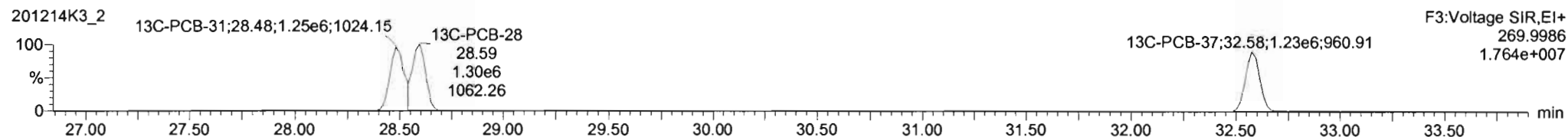
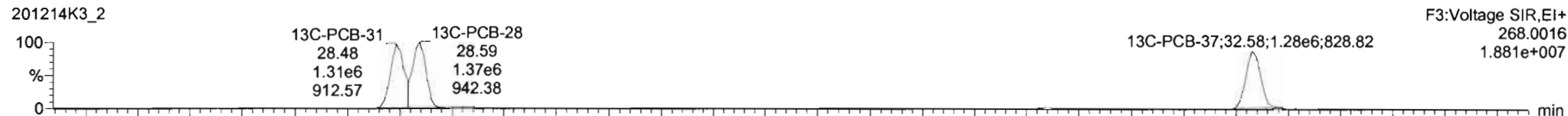
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
 Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

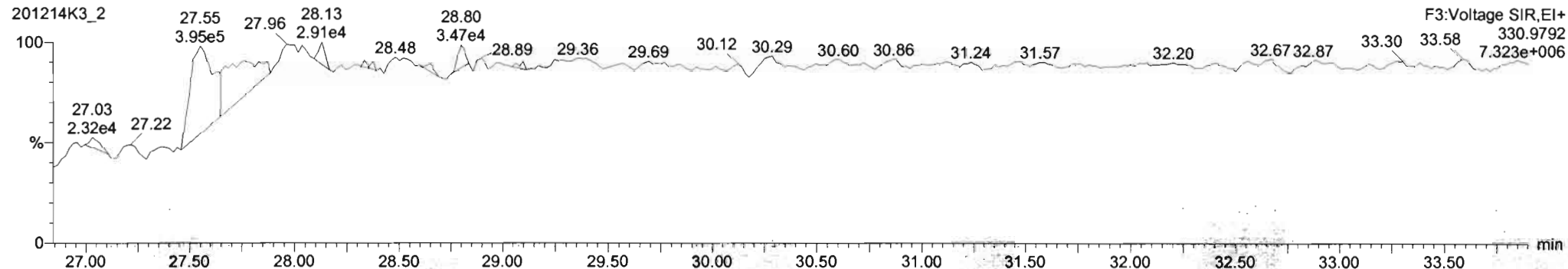
**PCB-34**



**13C-PCB-28**



**PFK3d**



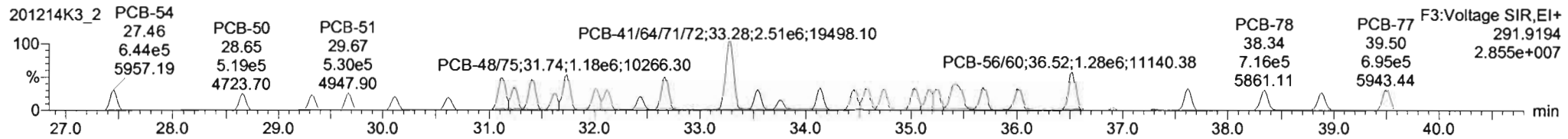
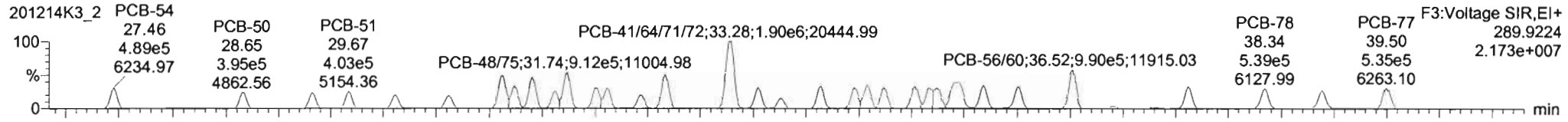
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Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time

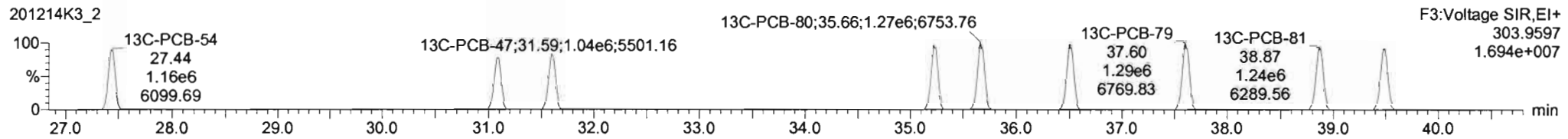
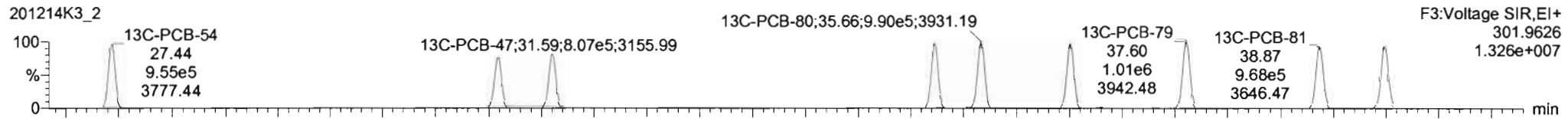
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

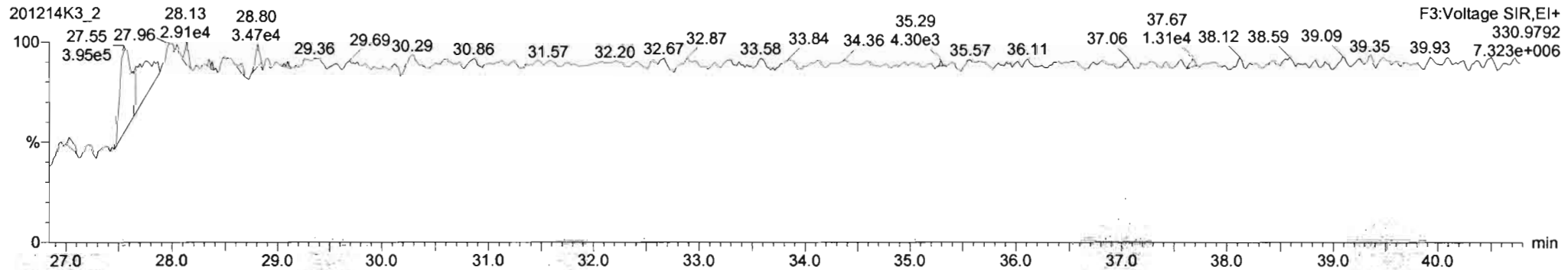
**PCB-54**



**13C-PCB-54**



**PFK3a**



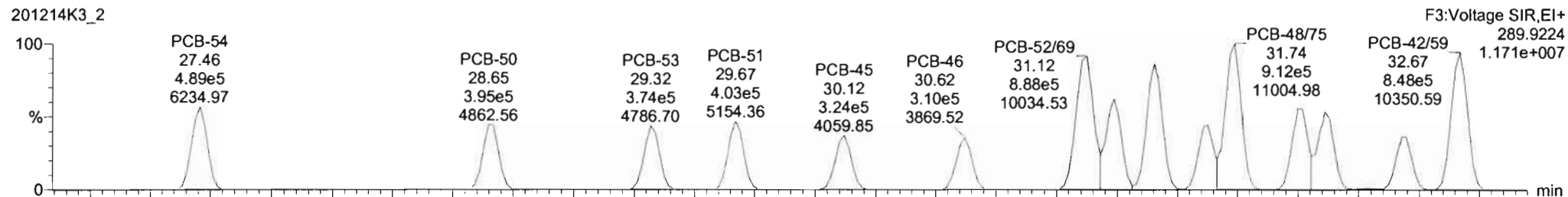
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Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

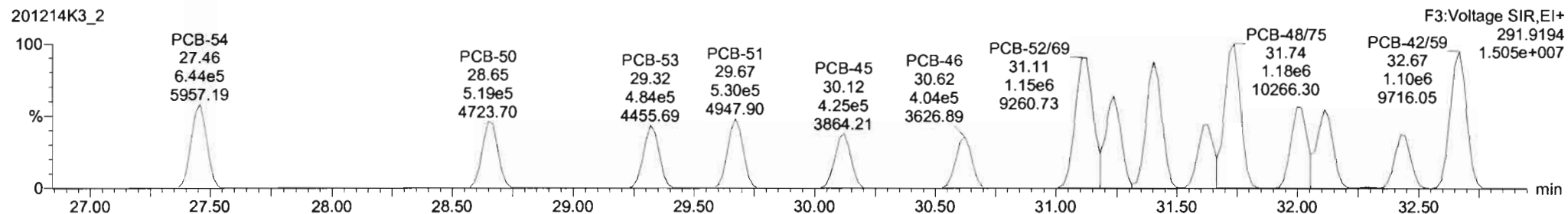
Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-50**

201214K3\_2

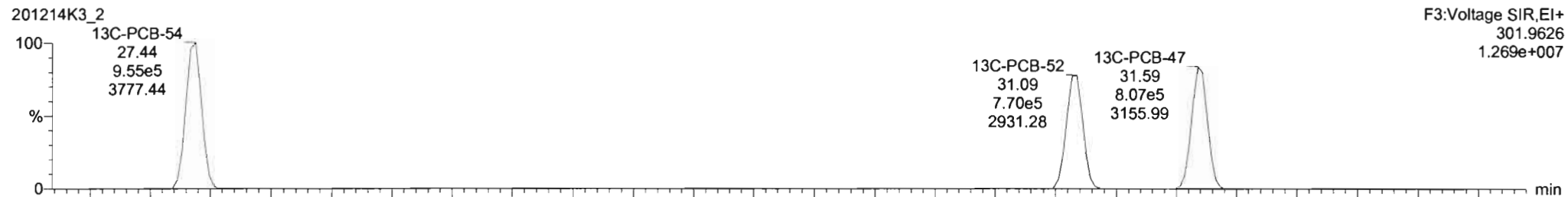


201214K3\_2

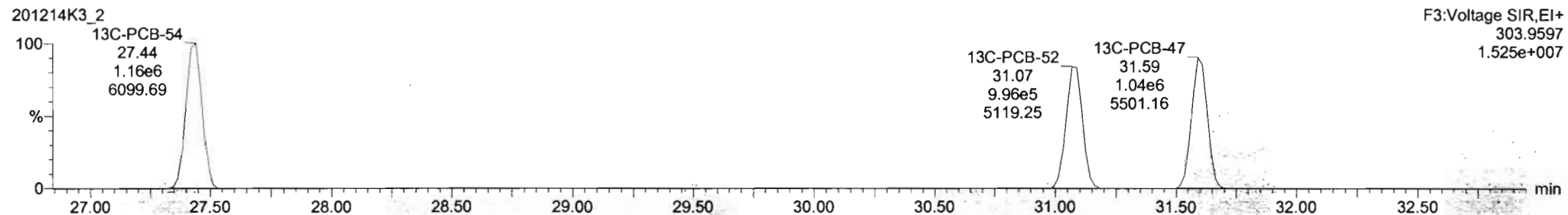


**13C-PCB-52**

201214K3\_2



201214K3\_2

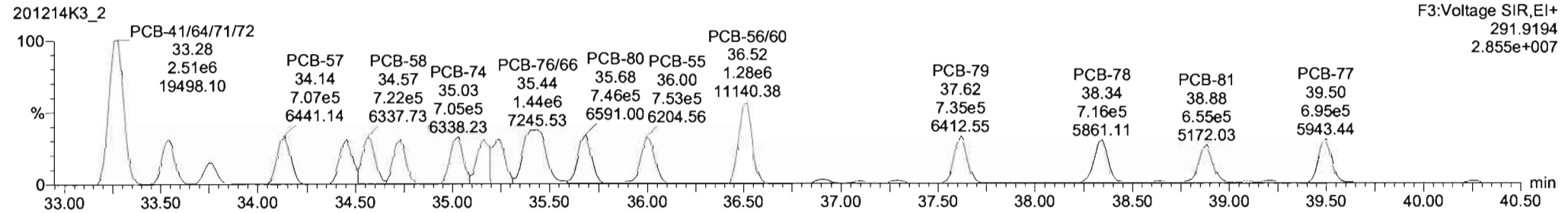
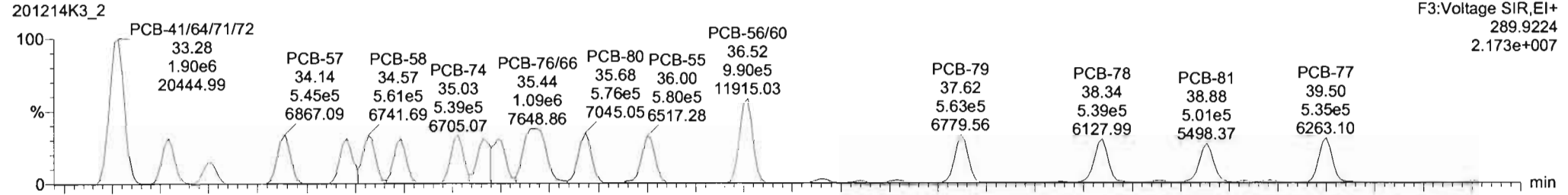


Dataset: Untitled

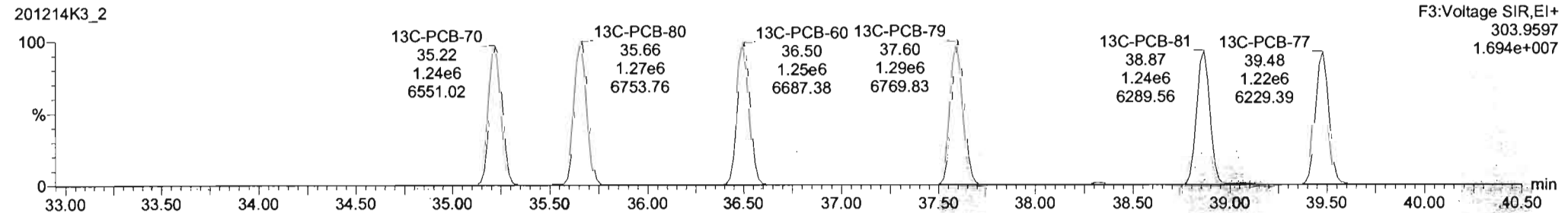
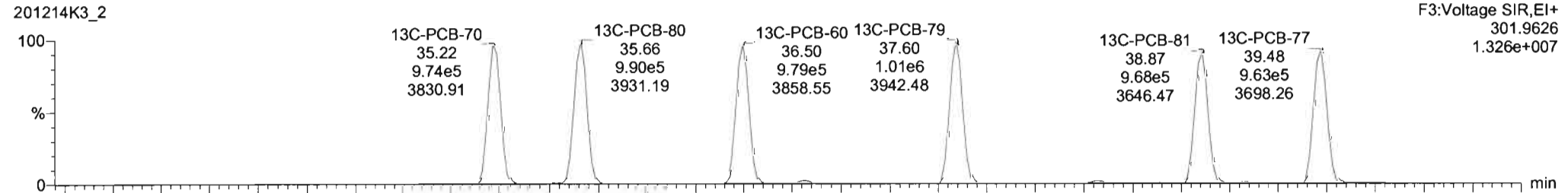
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-68**

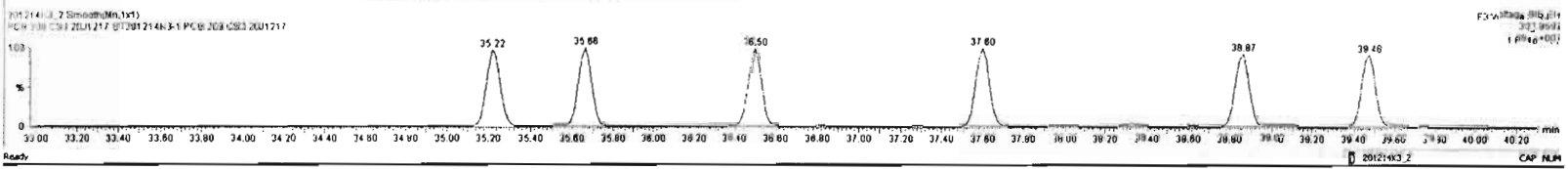
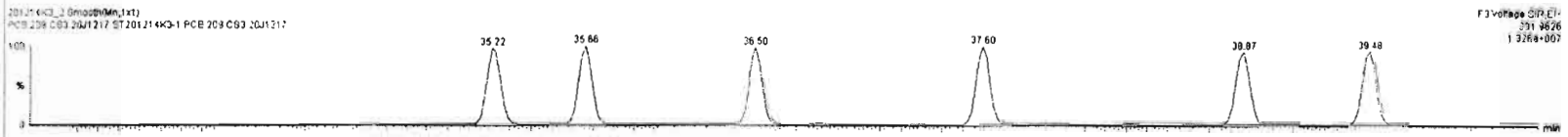
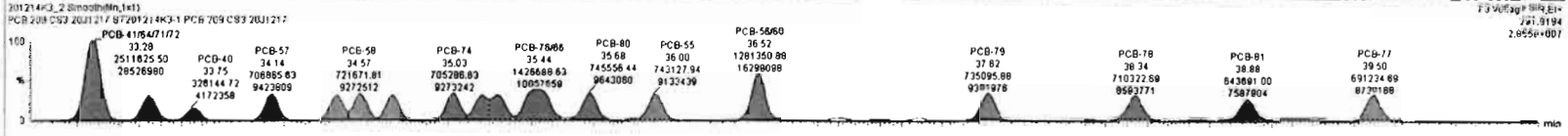
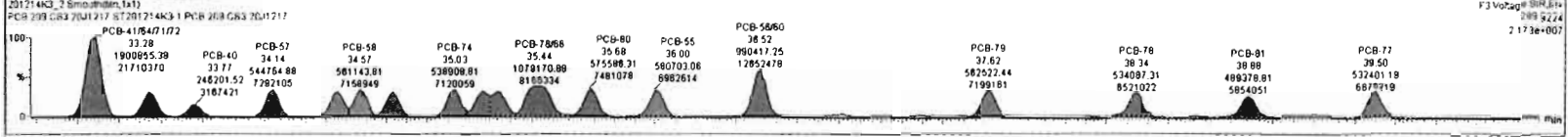


**13C-PCB-60**



#	Name	Ratio	RA	nly	RRF	wt/nd	Prod RT	RT	Prod R	RRT	RRT Fat	Conc	%Rec	DL	EMPC
223	223 13C-PCB-178	9.91e5	0.44	NO	1.0180	1.000	45.68	45.68	0.923	0.923	NO	98.45	98.5	0.0007	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	160.6	0.0278	160.6	
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	647.8	0.558	647.8	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	440.8	0.0872	440.8	
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	892.5	0.312	892.5	
228	228 Total Func PCBs														

#	Name	Prod RT	RT	Int Resp	n2 Resp	1* Ratio (Prod)	RA	nly	EMPC	Conc
1	33 PCB-54	27.46	27.46	4.892e5	6.443e5	0.770	0.78	NO	58.001	58.000
2	33 PCB-50	28.60	28.60	3.948e5	5.196e5	0.770	0.78	NO	53.802	53.802
3	34 PCB-53	29.22	29.22	3.742e5	4.836e5	0.770	0.77	NO	51.746	51.746
4	36 PCB-51	29.68	29.67	4.034e5	5.296e5	0.770	0.76	NO	52.886	
5	38 PCB-44	30.13	30.13	3.794e5	4.974e5	0.770	0.76	NO	53.816	



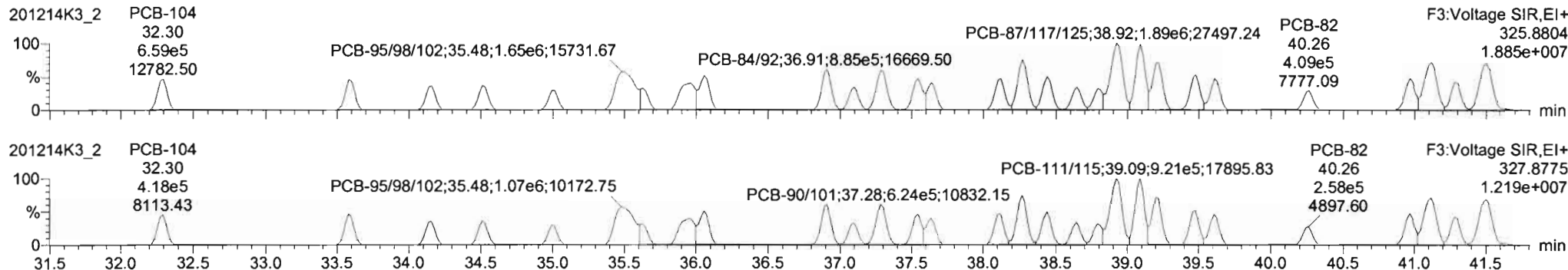


Dataset: Untitled

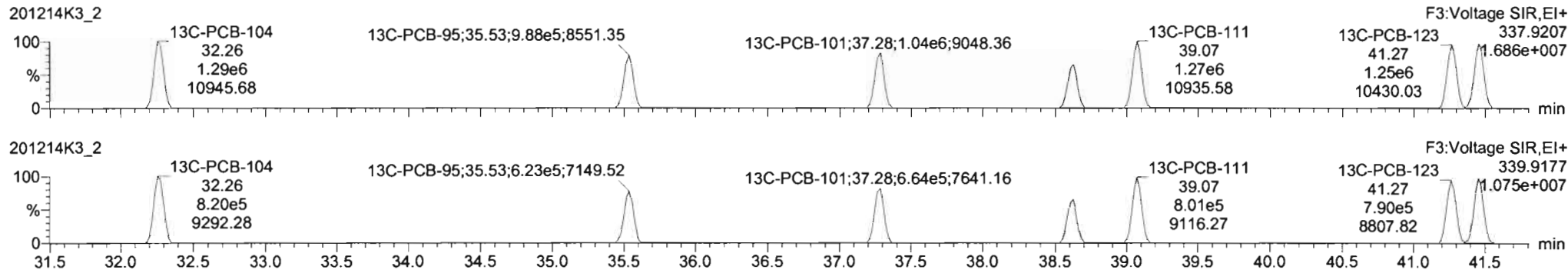
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Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

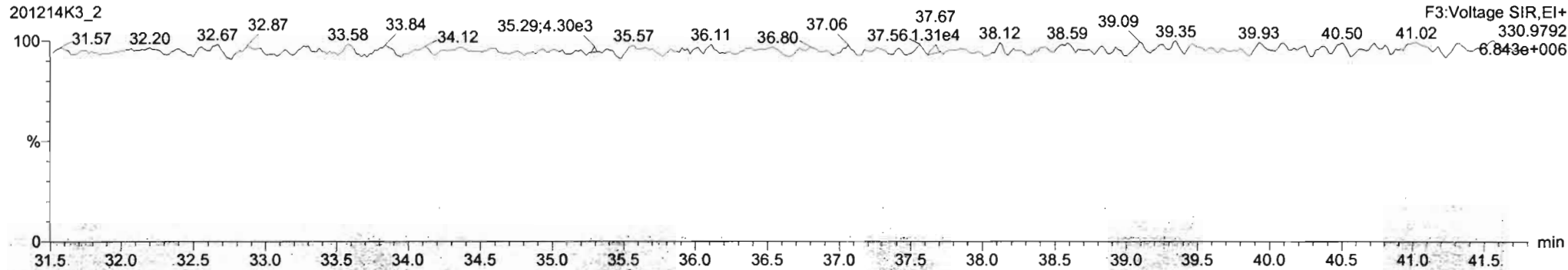
**PCB-104**



**13C-PCB-104**



**PFK3b**



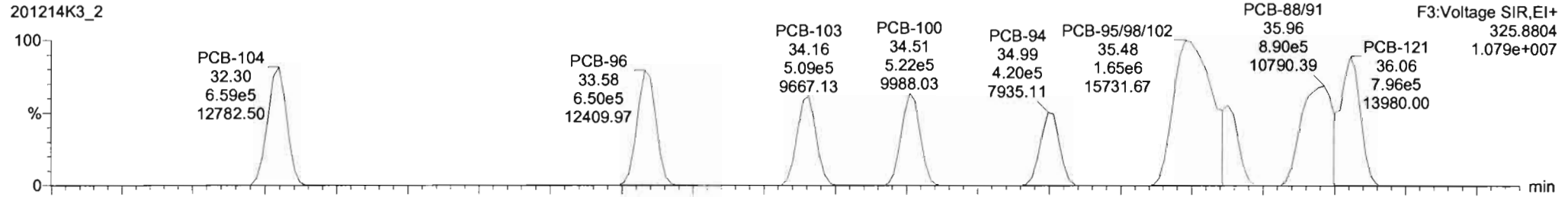
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Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

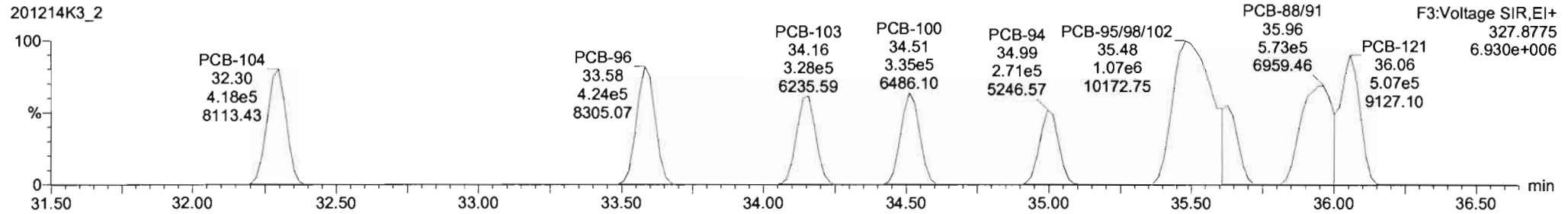
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**PCB-96**

201214K3\_2

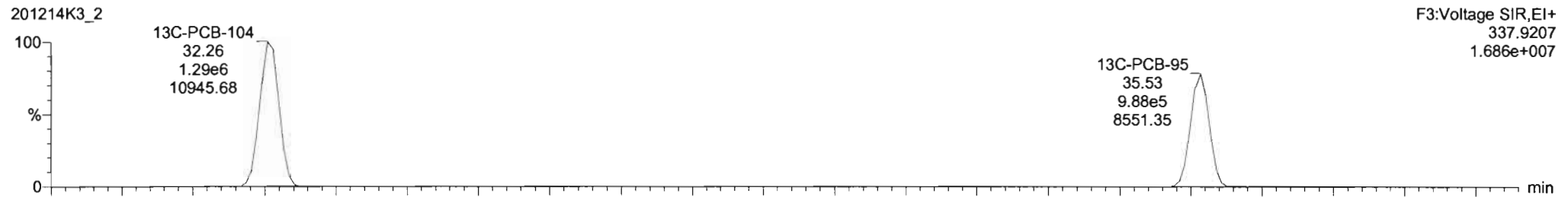


201214K3\_2

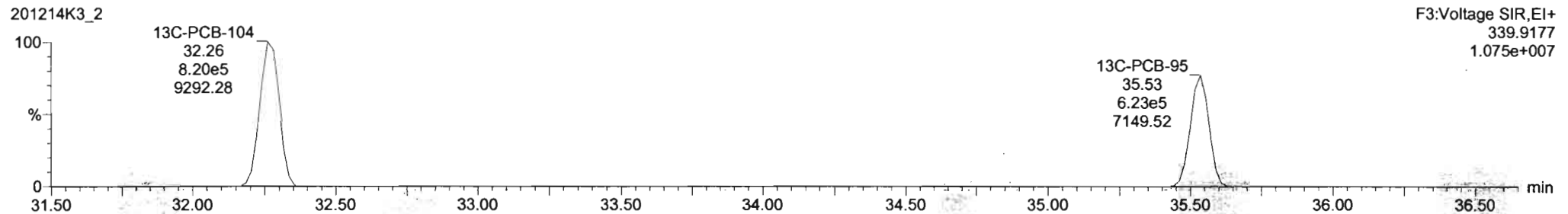


**13C-PCB-95**

201214K3\_2



201214K3\_2



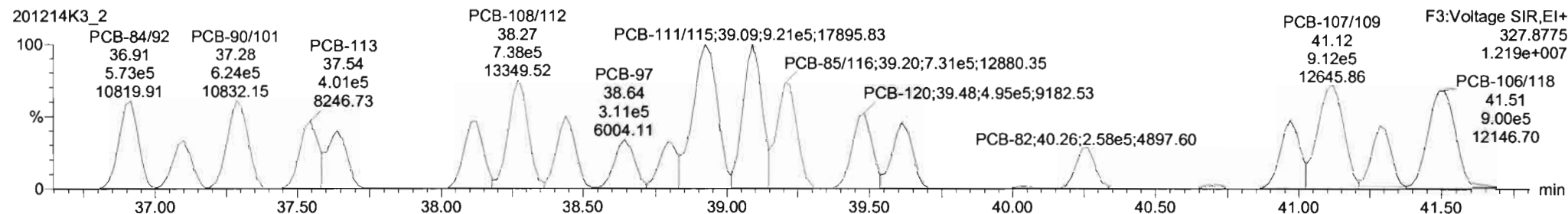
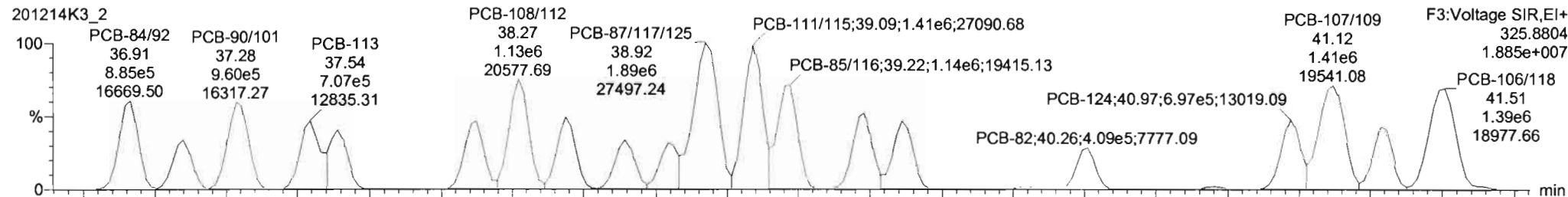
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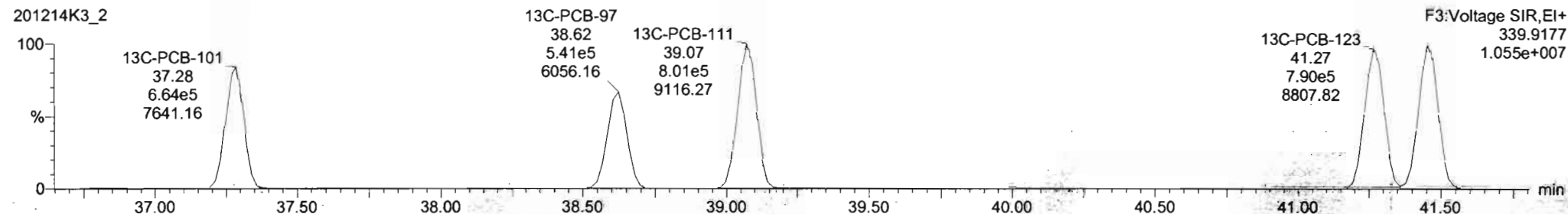
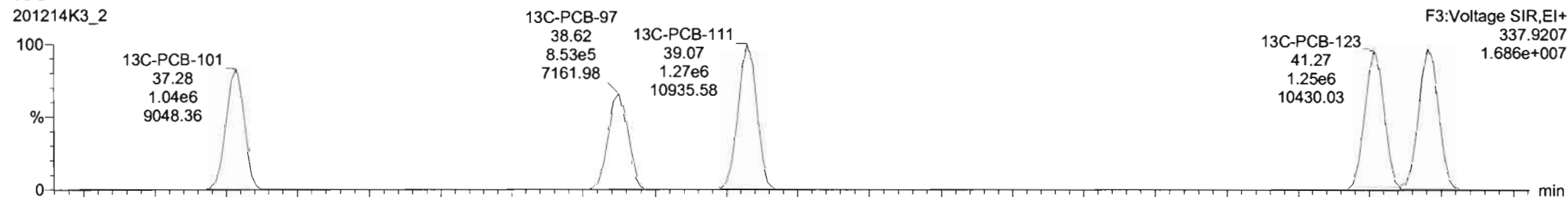
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

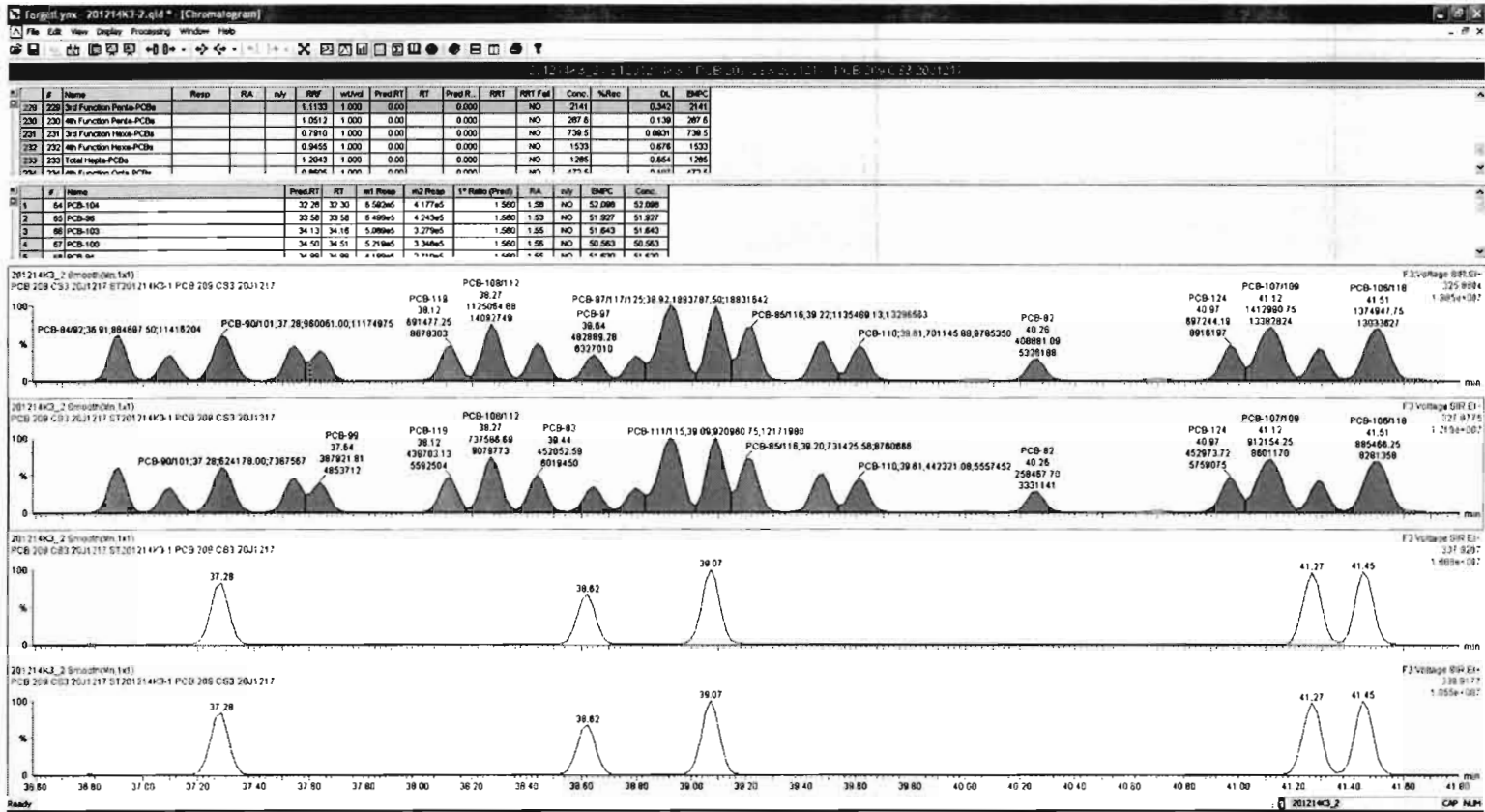
Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-119



13C-PCB-111



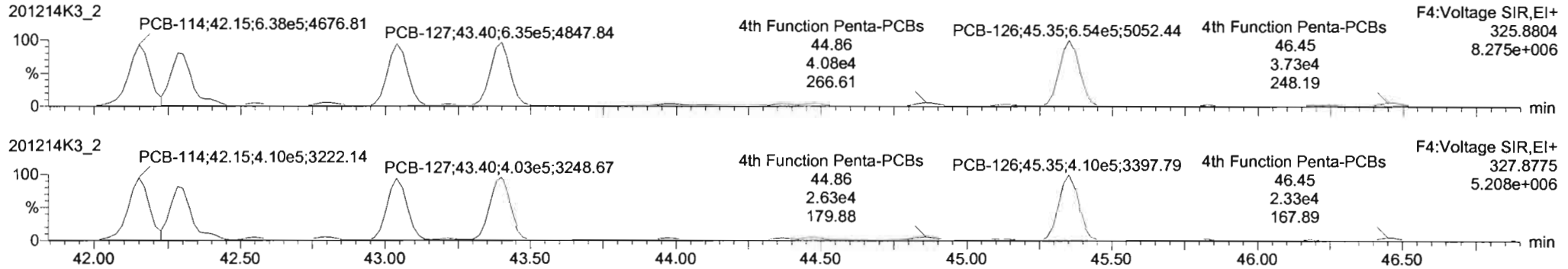


Dataset: Untitled

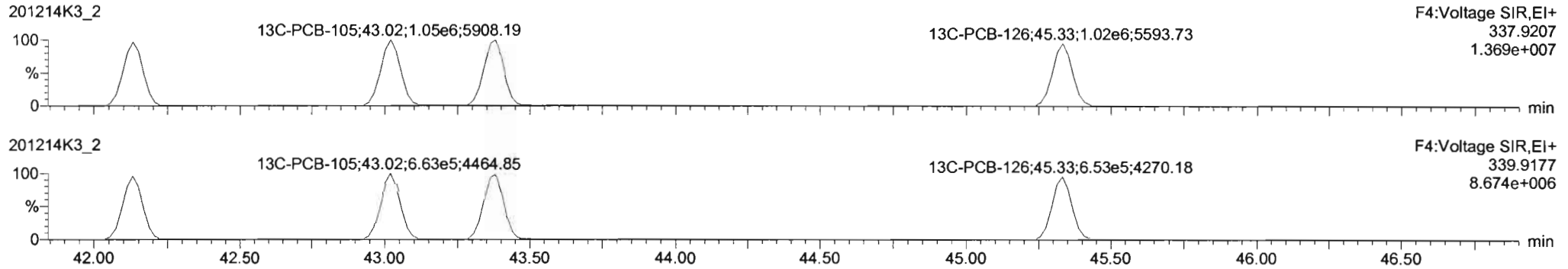
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

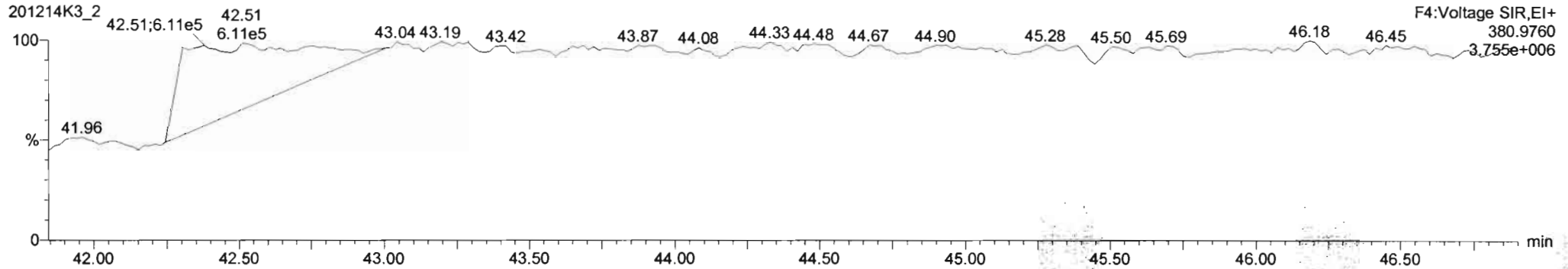
**PCB-114**



**13C-PCB-114**

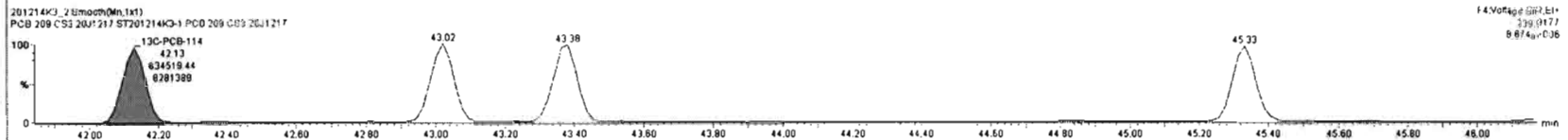
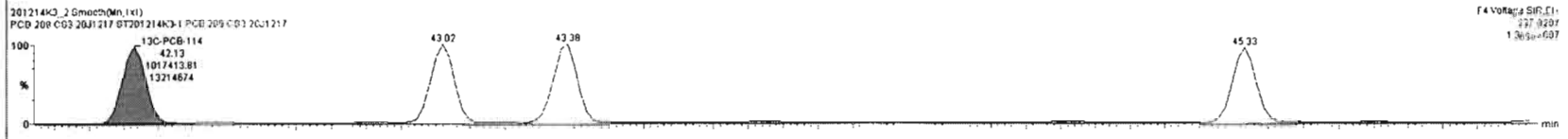
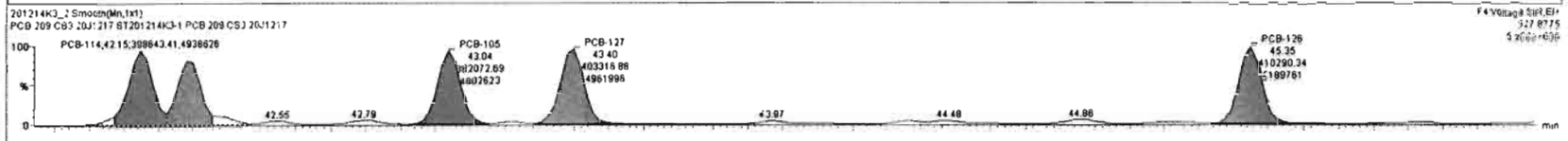
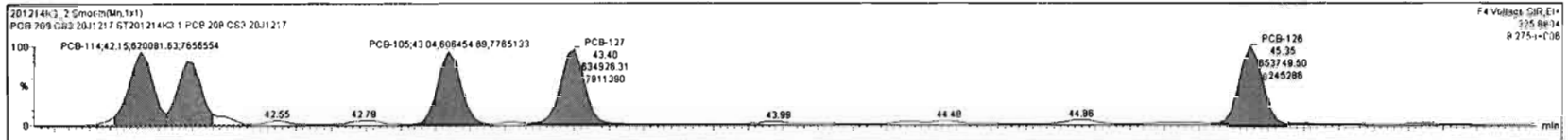


**PFK4a**



#	Name	Resp	RA	nly	RPF	valvol	Pred.RT	RT	Pred.R	RRT	RRT Fnd	Conc.	%Rec	DL	EMPC
228	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	2141		0.242	2141
230	4th Function Penta-PCBs				1.2612	1.000	0.00	0.000			NO	279.7		0.130	279.2
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000			NO	739.5		0.0931	739.5
232	4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000			NO	1533		0.876	1533
233	Total Hepta-PCBs				1.2043	1.000	0.00	0.000			NO	1285		0.654	1285

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	93 PCB-114	42.15	42.15	8.201e5	3.986e5	1.560	1.56	NO	56.893	56.893
2	94 PCB-122	42.30	42.28	5.288e5	3.346e5	1.560	1.57	NO	56.053	56.053
3	96 PCB-105	43.04	43.04	6.085e5	3.821e5	1.590	1.58	NO	85.714	85.714
4	98 PCB-127	43.40	43.40	8.348e5	4.033e5	1.590	1.57	NO	55.752	55.752



Dataset: Untitled

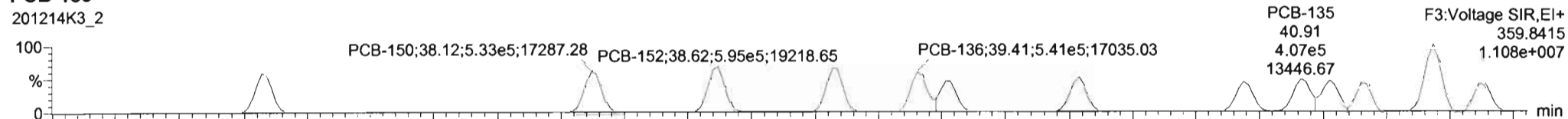
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time

Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

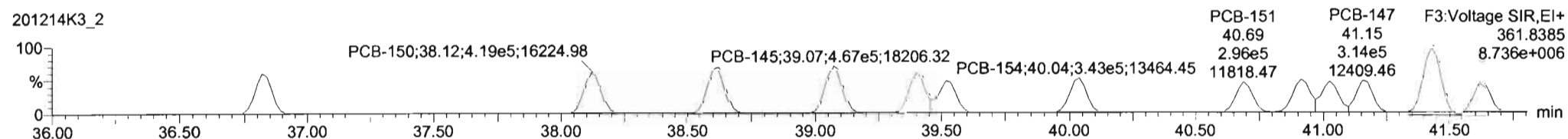
Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-155**

201214K3\_2

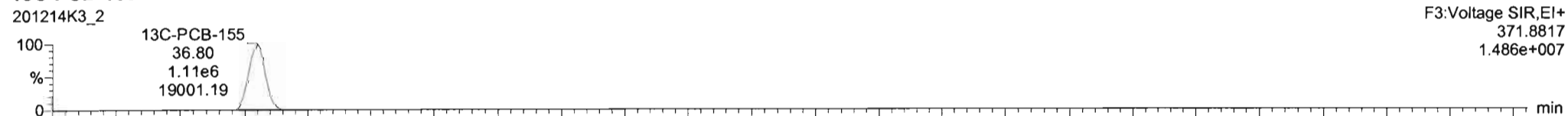


201214K3\_2

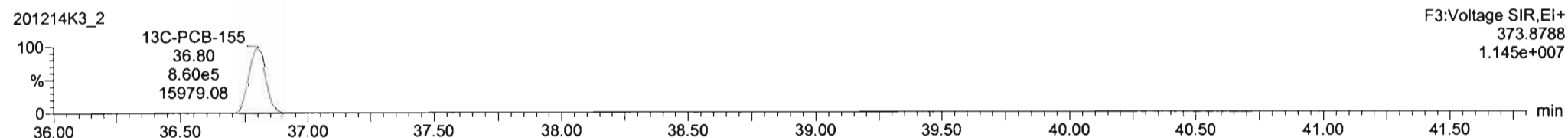


**13C-PCB-155**

201214K3\_2

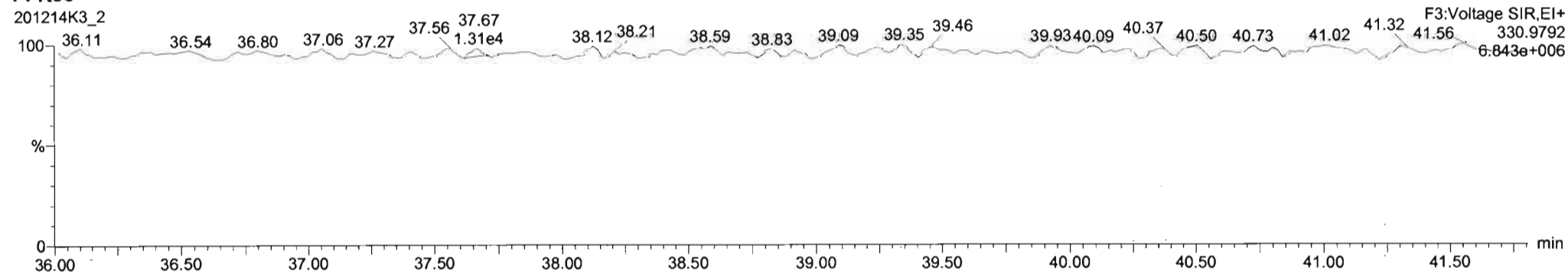


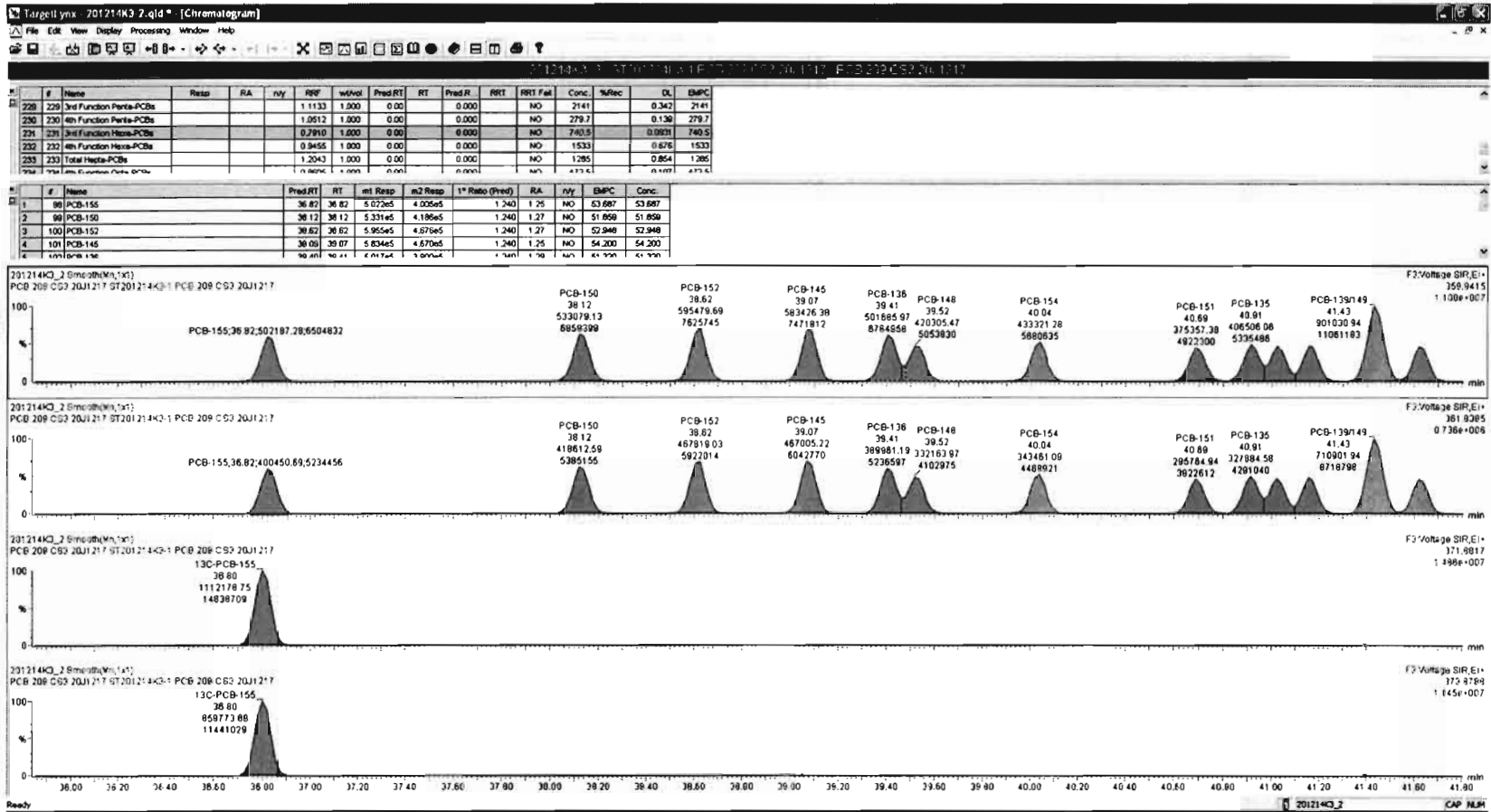
201214K3\_2



**PFK3c**

201214K3\_2





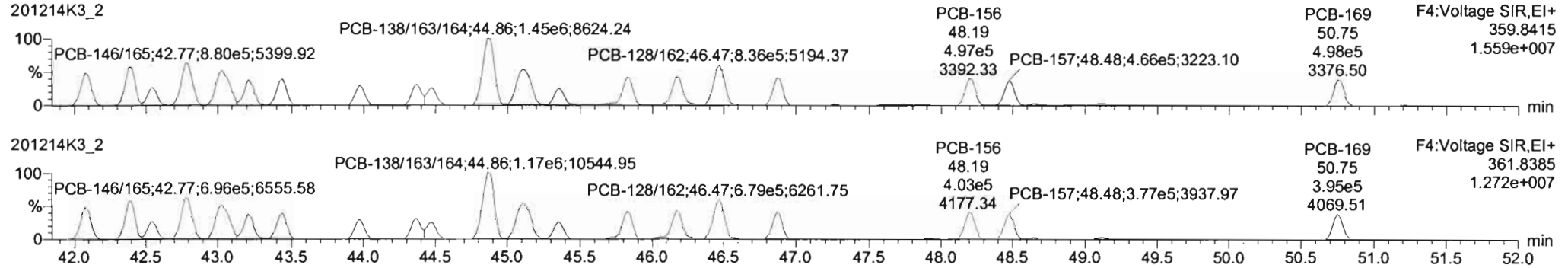


Dataset: Untitled

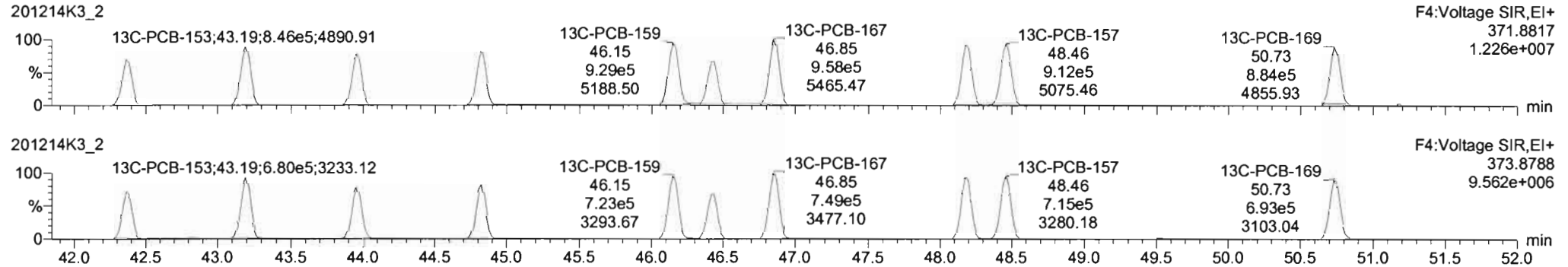
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

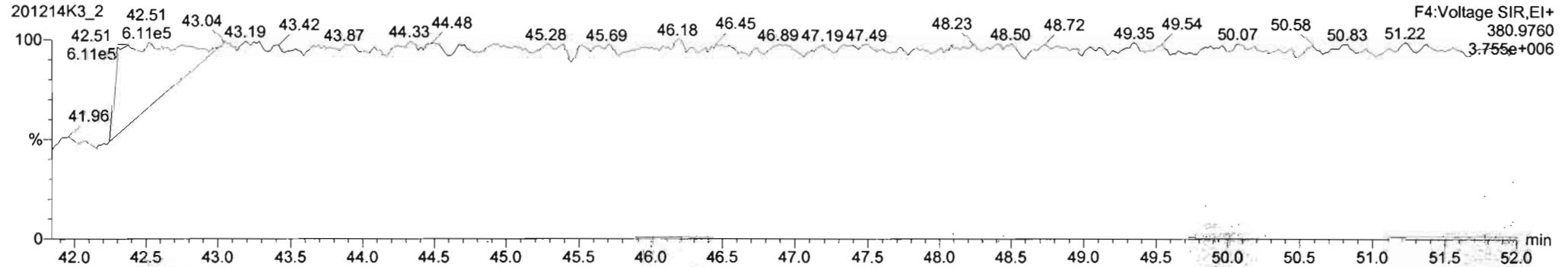
**PCB-134/143**

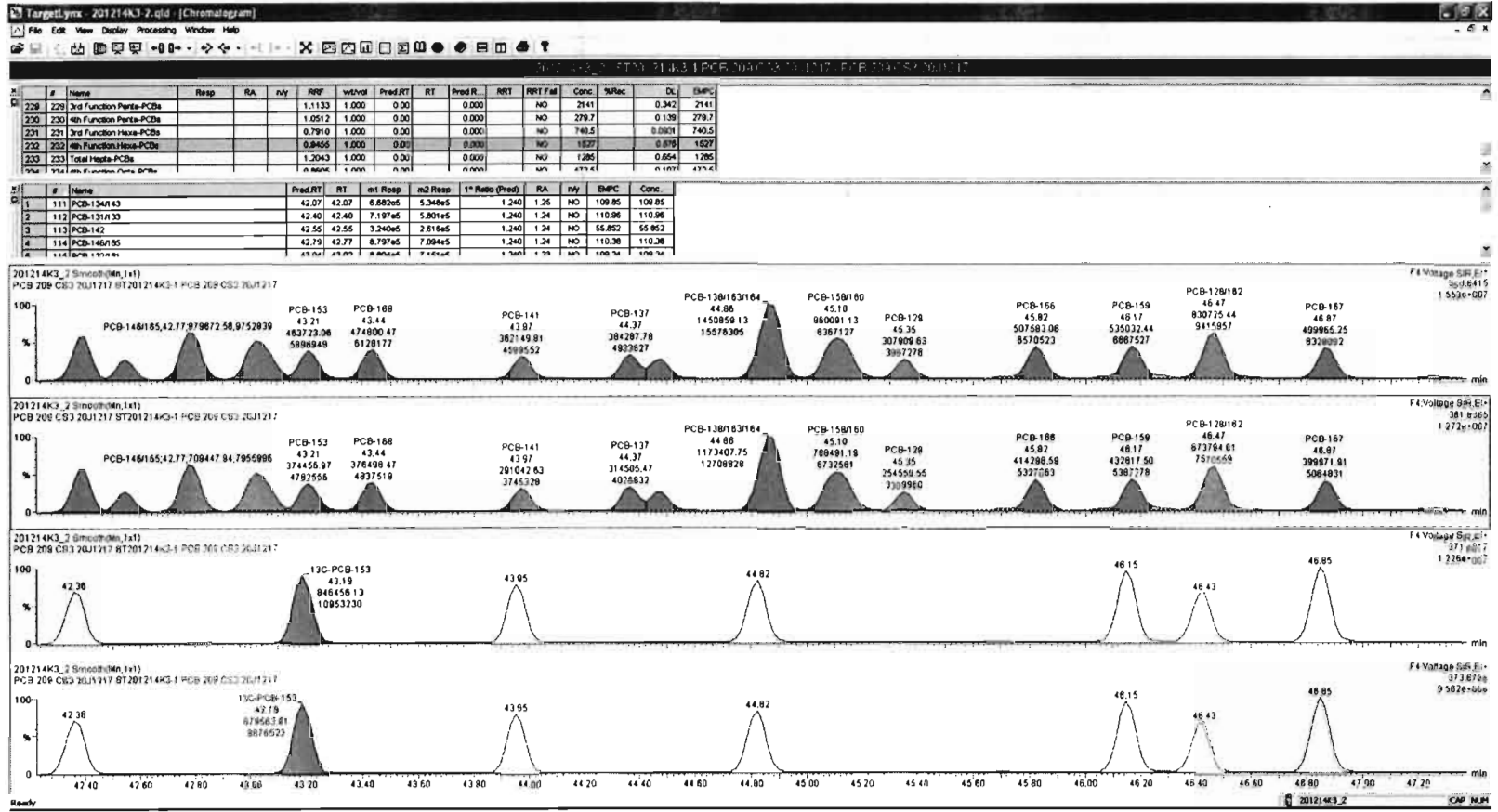


**13C-PCB-153**



**PFK4b**



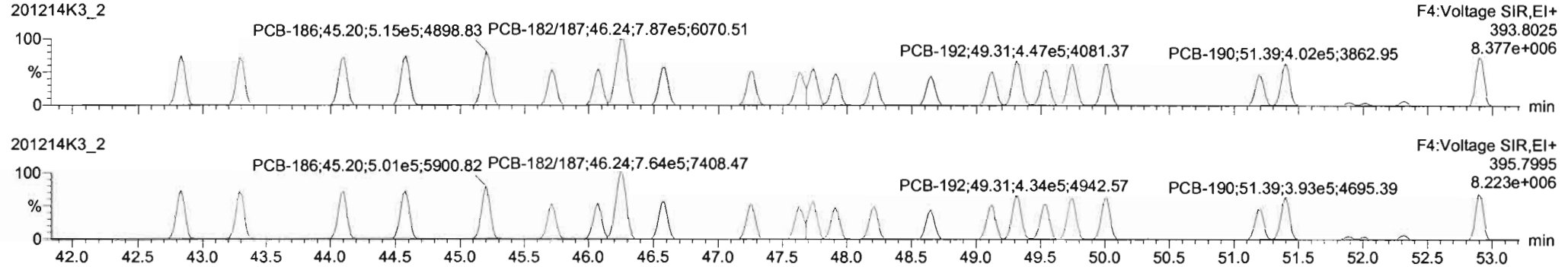


Dataset: Untitled

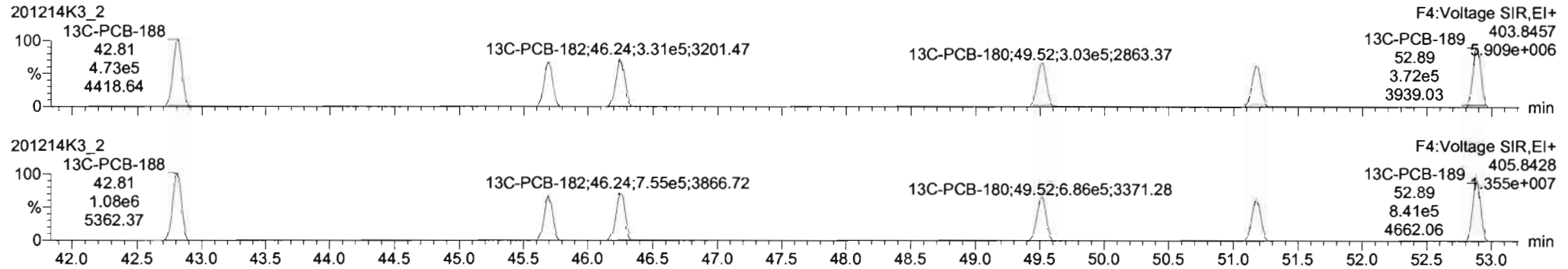
Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

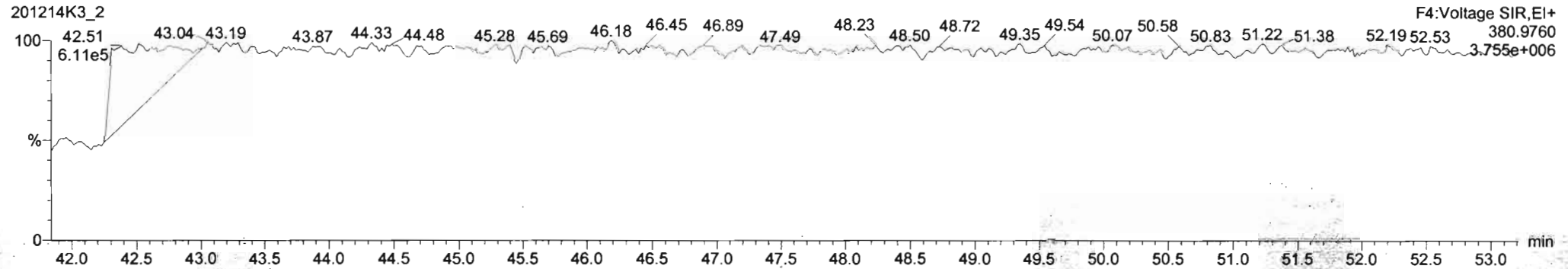
**PCB-188**



**13C-PCB-188**



**PFK4c**



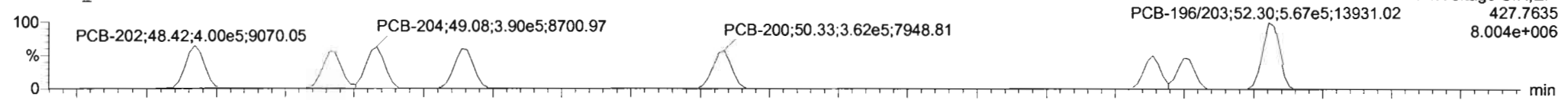
Dataset: Untitled

Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

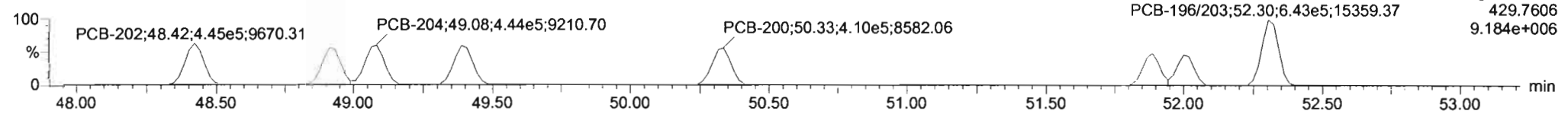
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**PCB-202**

201214K3\_2

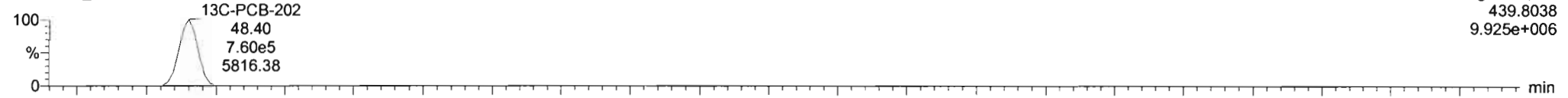


201214K3\_2

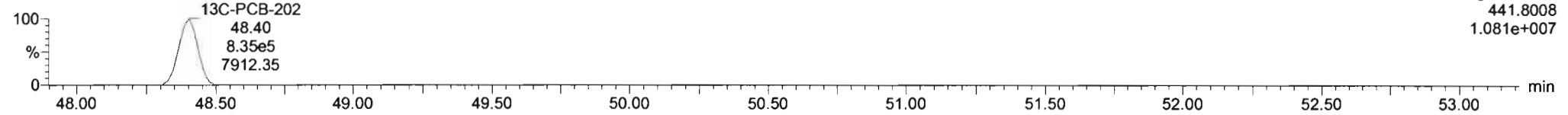


**13C-PCB-202**

201214K3\_2

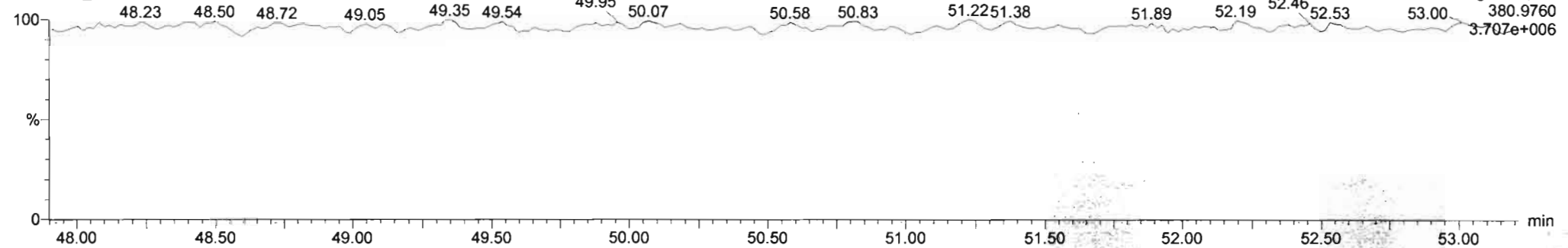


201214K3\_2



**PFK4d**

201214K3\_2



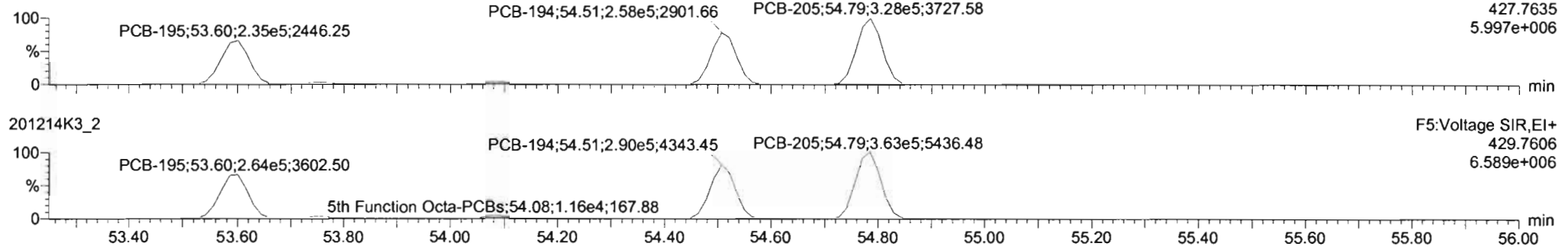
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Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

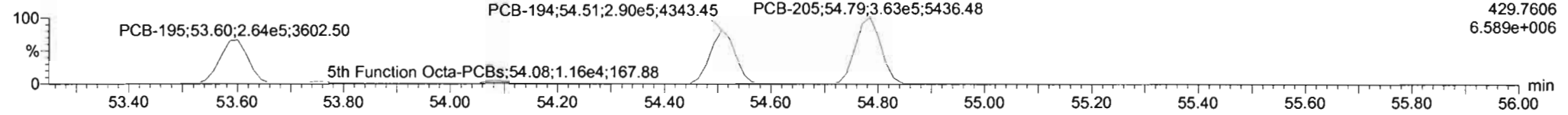
Name: 201214K3\_2, Date: 15-Dec-2020, Time: 03:29:28, ID: ST201214K3-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-195**

201214K3\_2

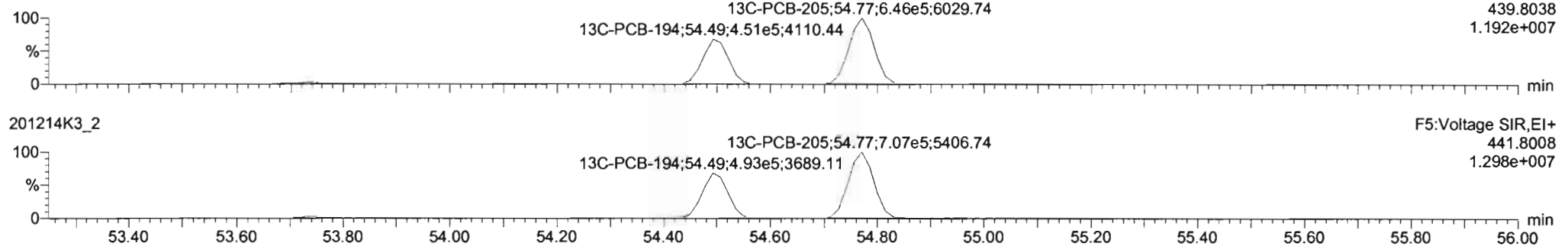


201214K3\_2

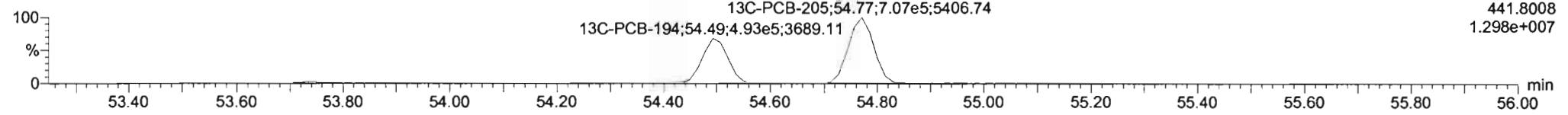


**13C-PCB-194**

201214K3\_2

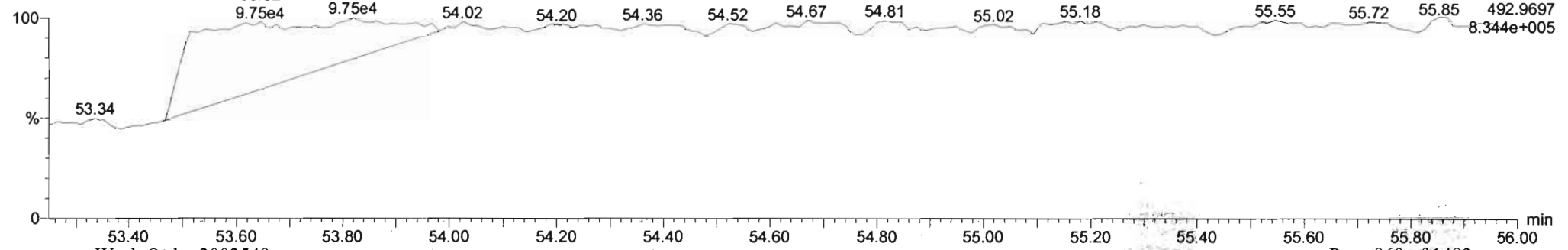


201214K3\_2



**PFK5a**

201214K3\_2

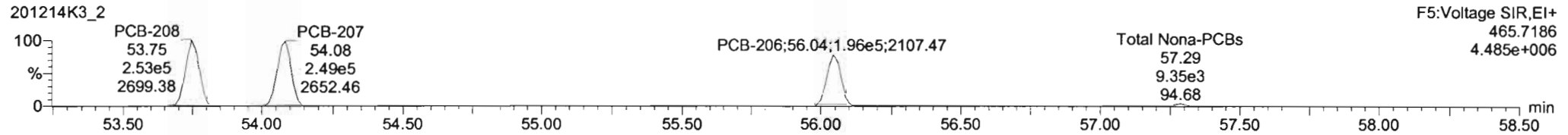
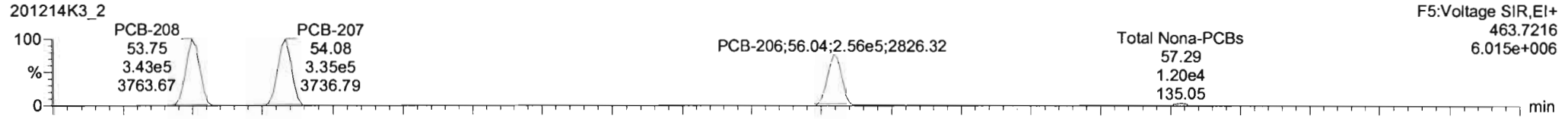


Dataset: Untitled

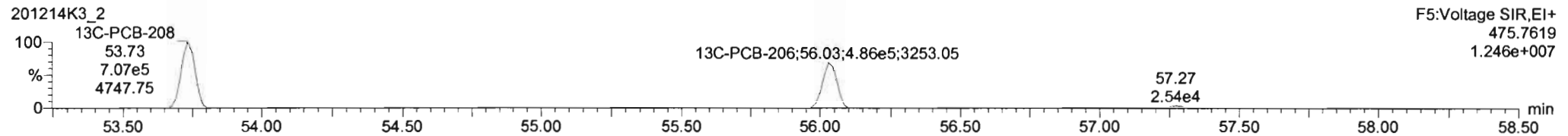
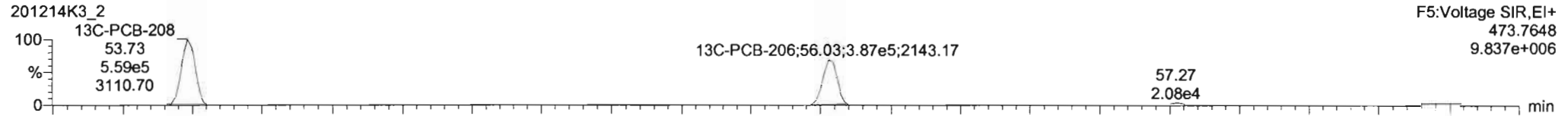
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Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

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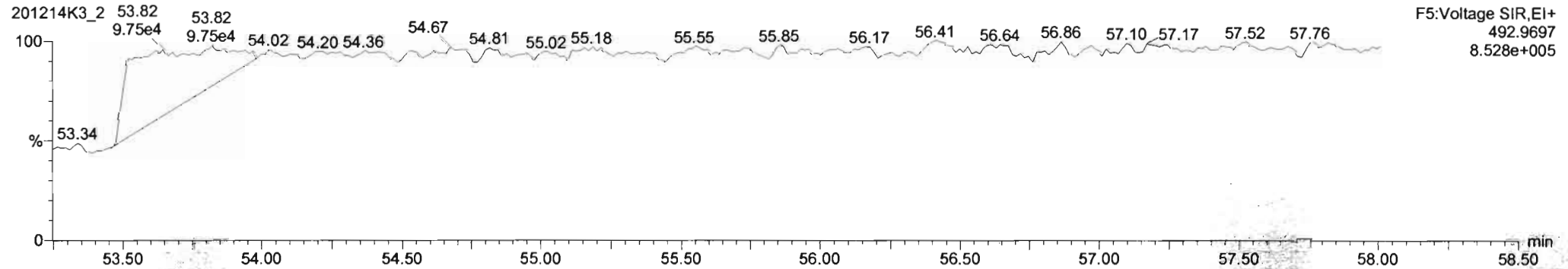
**PCB-208**



**13C-PCB-208**



**PFK5**



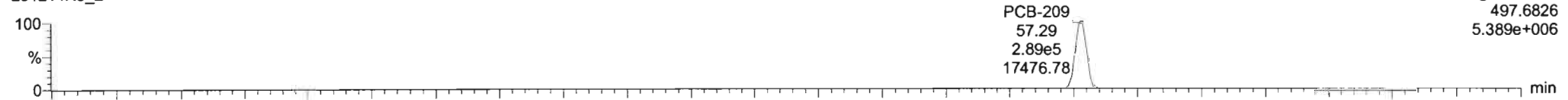
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Last Altered: Tuesday, December 15, 2020 07:57:55 Pacific Standard Time  
Printed: Tuesday, December 15, 2020 08:06:48 Pacific Standard Time

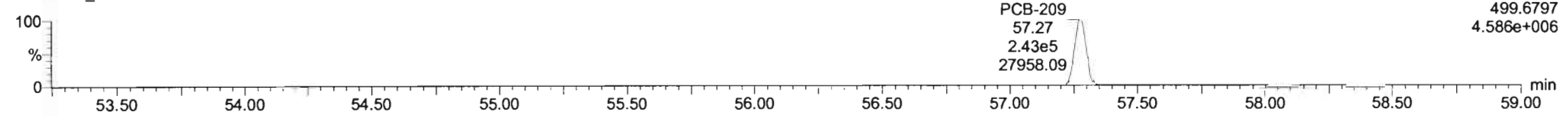
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**PCB-209**

201214K3\_2

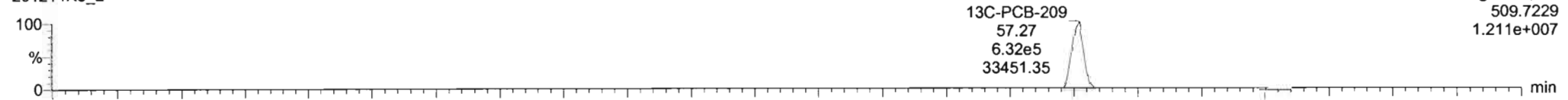


201214K3\_2

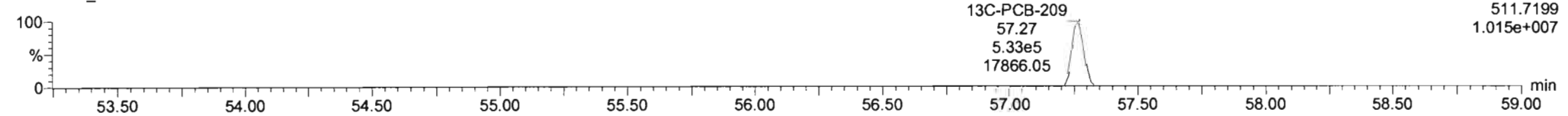


**13C-PCB-209**

201214K3\_2

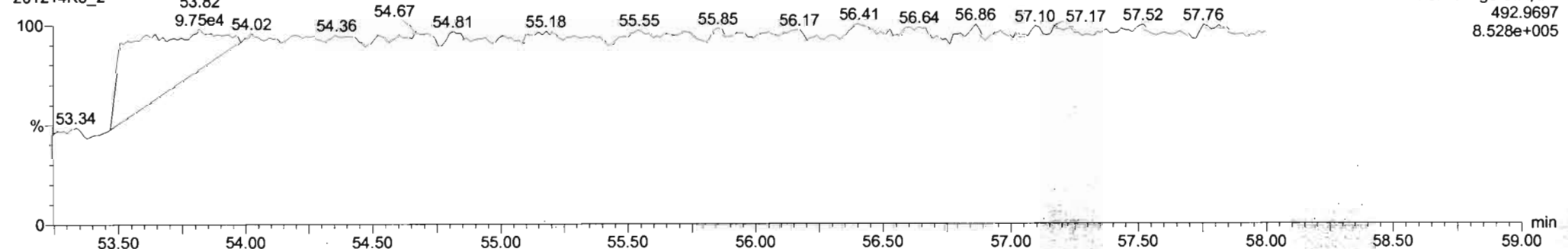


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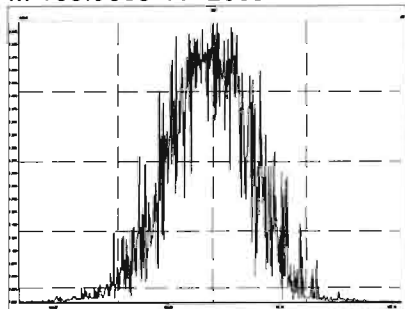


**PFK5b**

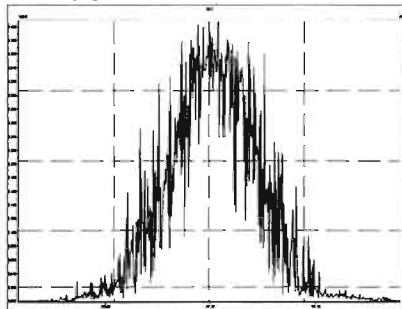
201214K3\_2



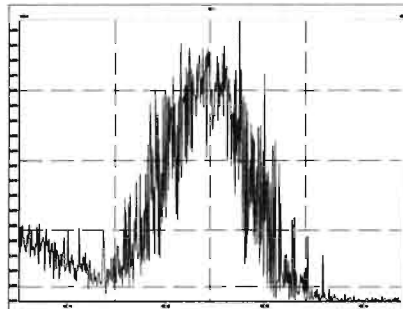
M 168.9888 R 12063



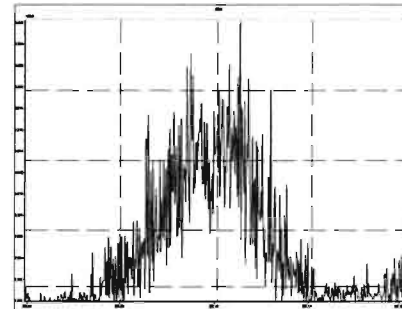
M 180.9888 R 12821



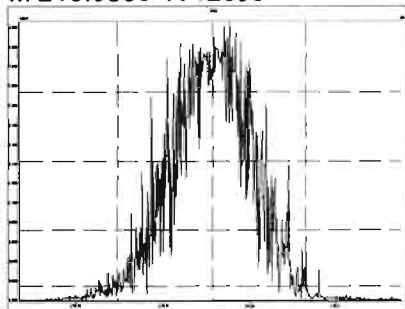
M 192.9888 R 11142



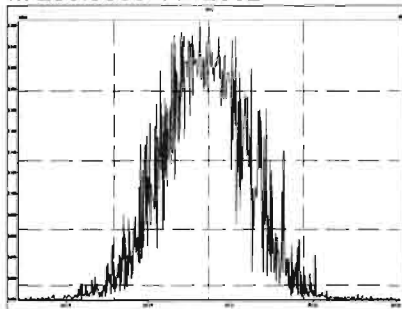
M 204.9888 R 14164



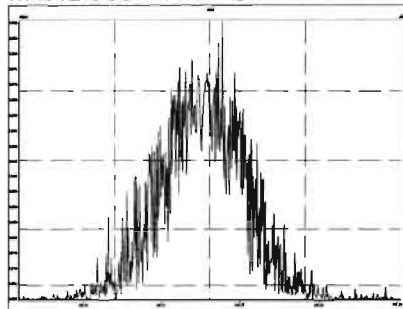
M 218.9856 R 12698



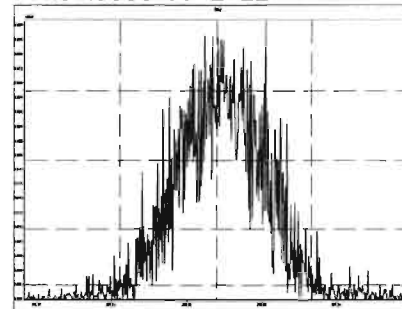
M 230.9856 R 12502



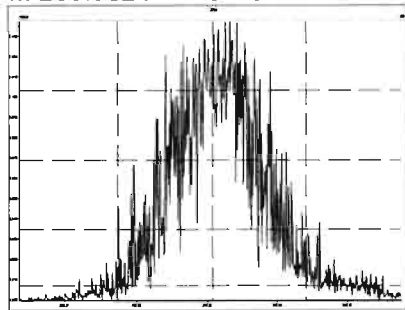
M 242.9856 R 11707



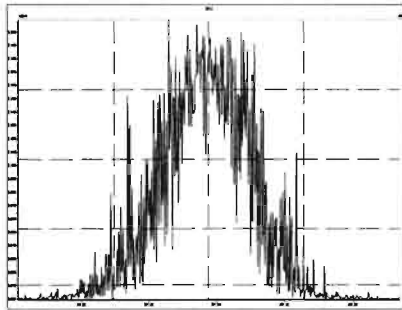
M 254.9856 R 12722



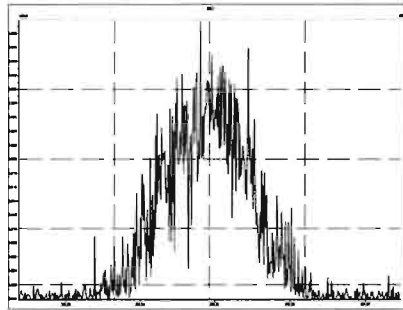
M 268.9824 R 10289



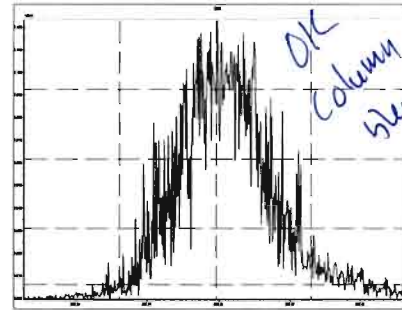
M 280.9824 R 13513



M 254.9856 R 13127

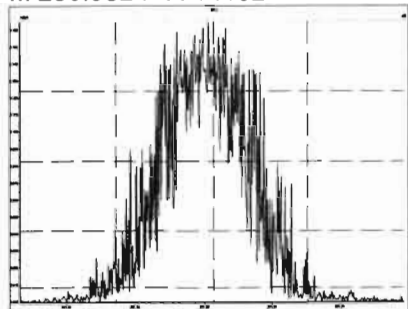


M 268.9824 R 9506

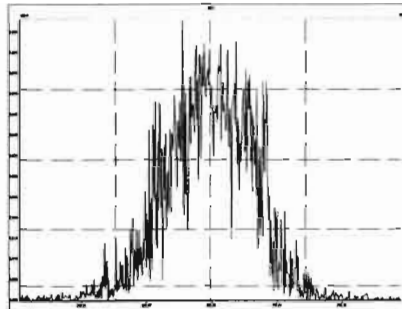




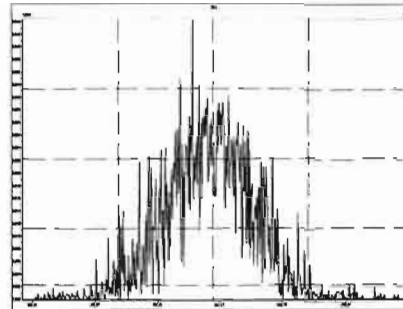
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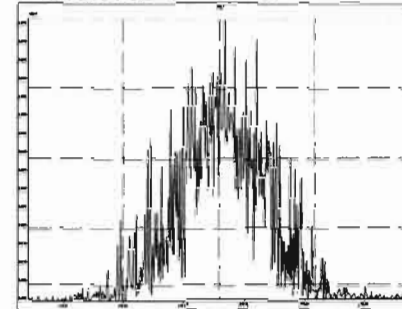
M 292.9824 R 13974



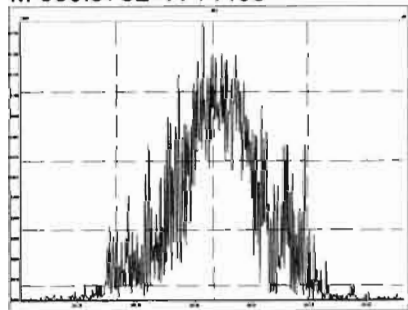
M 304.9824 R 15537



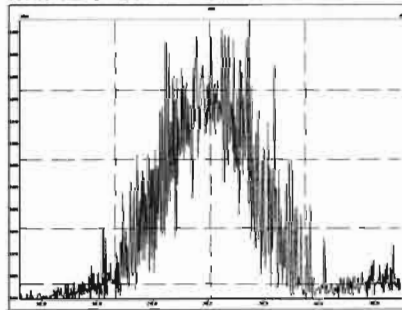
M 318.9792 R 13446



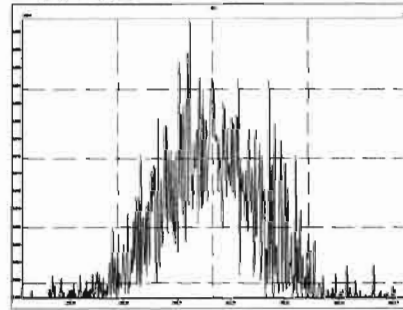
M 330.9792 R 14405



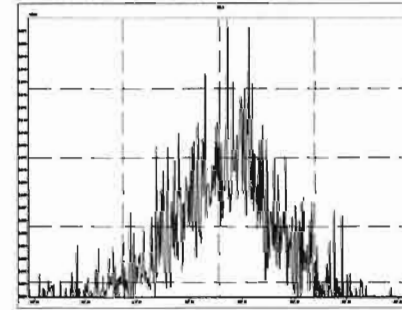
M 342.9792 R 13343



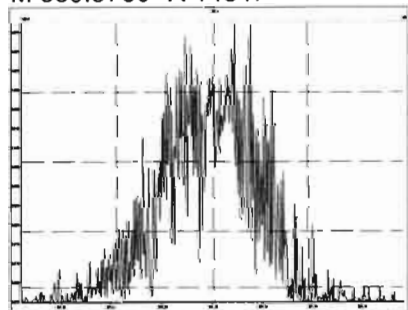
M 354.9792 R 14604



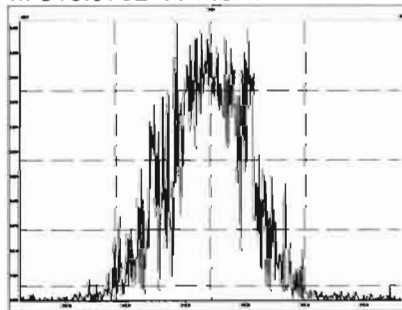
M 366.9792 R 13536



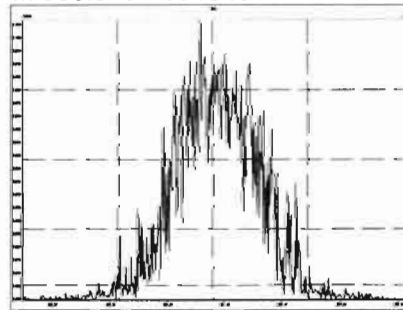
M 380.9760 R 14547



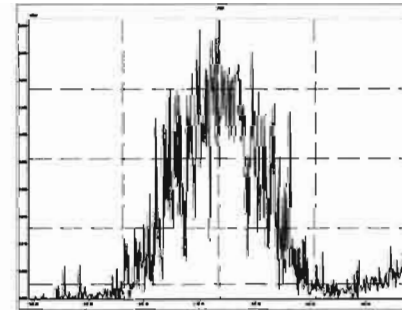
M 318.9792 R 14971



M 330.9792 R 13488

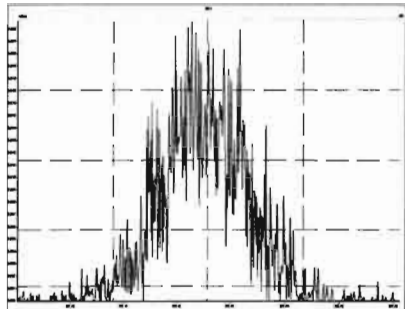


M 342.9792 R 12757

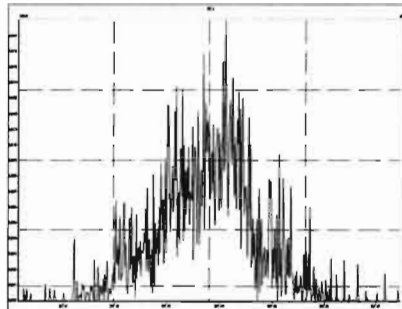


Printed: Tuesday, December 15, 2020 15:41:28 Pacific Standard Time

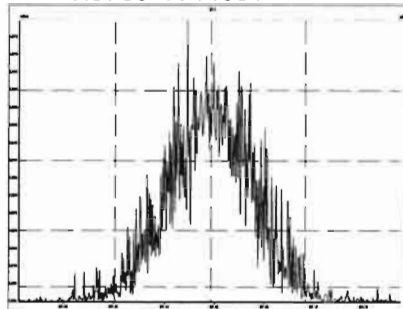
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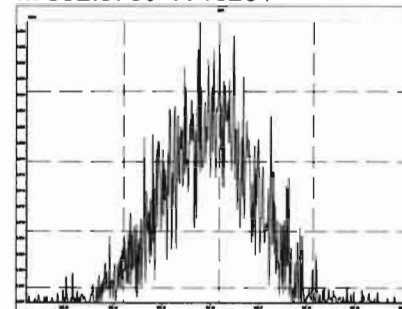
M 366.9792 R 15979



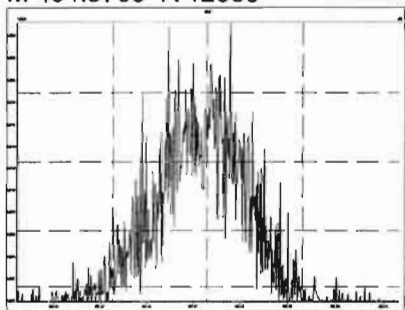
M 380.9760 R 14031



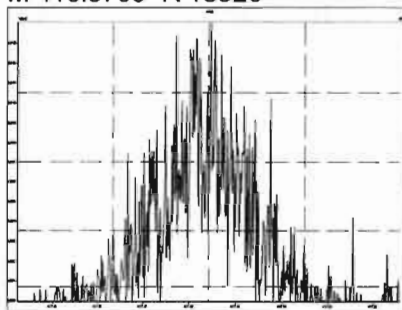
M 392.9760 R 13264



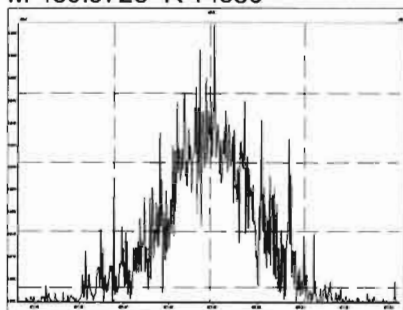
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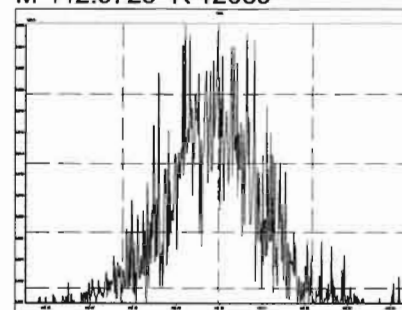
M 416.9760 R 18926



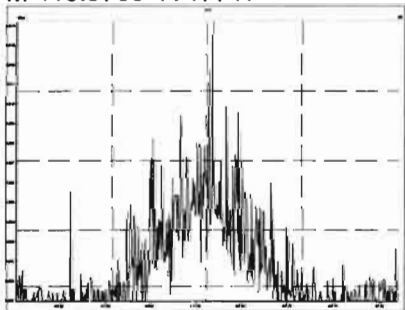
M 430.9728 R 14836



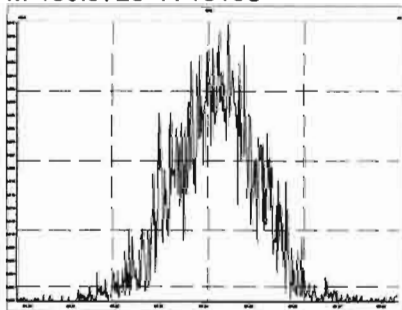
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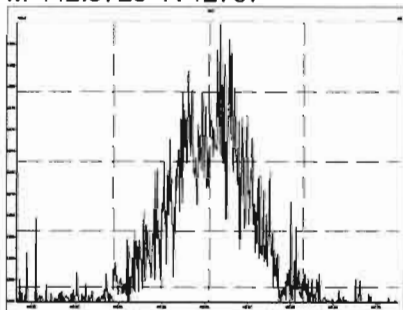
M 416.9760 R 17717



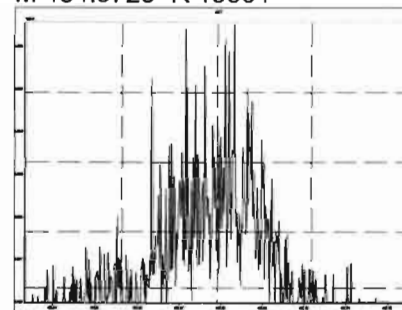
M 430.9728 R 13193



M 442.9728 R 12757

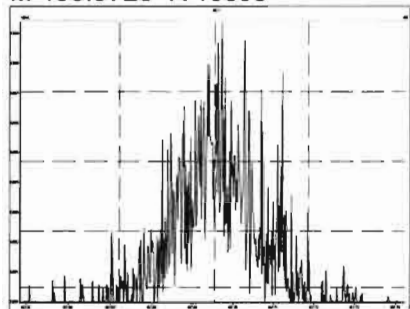


M 454.9728 R 19564

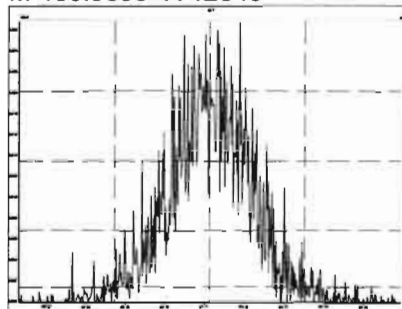


Printed: Tuesday, December 15, 2020 15:41:28 Pacific Standard Time

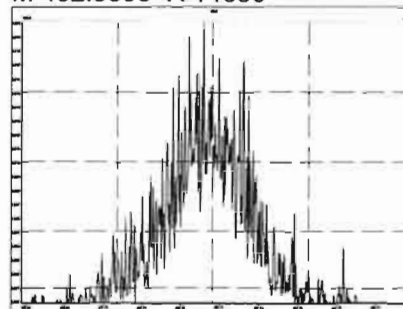
M 466.9728 R 19893



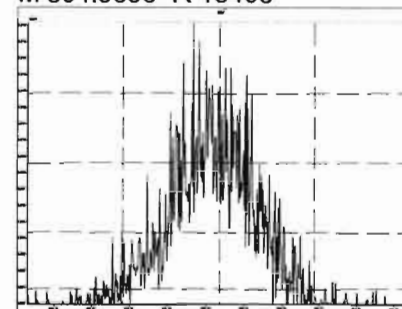
M 480.9696 R 12840



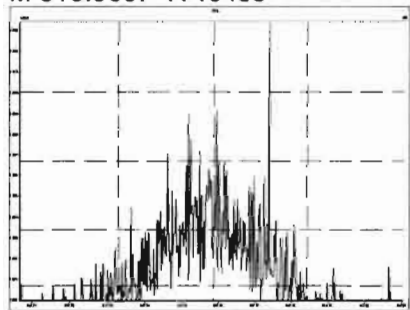
M 492.9696 R 14630



M 504.9696 R 13406



M 516.9697 R 19485



**..... CALIBRATION STANDARDS REVIEW CHECKLIST**

**Begin Calibration ID:** ST201215K1-1

**Reviewed By:** HIN 12/16/2020

*Initials & Date*

**End Calibration ID:** NA

	<u>Begin</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>Hc</u>	<u>Hc</u>
<b>Run Log:</b>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Bottle position verified?		<u>Hc</u>

**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:**

ⓐ 2 masses affected by column bleed

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-1.qld

Last Altered: Tuesday, December 15, 2020 17:25:46 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 08:30:30 Pacific Standard Time

*HZ 12-16-2020*  
*HN 12/16/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1	1.53e6	3.05	NO	0.986	1.000	15.42	15.42	1.001	1.001	NO	53.00	106	0.00733	52.99
2	2 PCB-2	1.57e6	3.08	NO	1.02	1.000	17.82	17.82	0.988	0.988	NO	52.60	105	0.00757	52.60
3	3 PCB-3	1.56e6	3.13	NO	1.00	1.000	18.04	18.06	1.001	1.001	NO	53.46	107	0.00772	53.46
4	4 PCB-4/10	2.14e6	1.56	NO	1.21	1.000	19.46	19.46	1.004	1.004	NO	109.1	109	0.290	109.1
5	5 PCB-7/9	2.69e6	1.56	NO	0.939	1.000	21.25	21.25	1.003	1.003	NO	107.0	107	0.230	107.0
6	6 PCB-6	1.43e6	1.58	NO	0.996	1.000	21.89	21.90	1.033	1.034	NO	53.39	107	0.217	53.39
7	7 PCB-5/8	2.84e6	1.58	NO	0.976	1.000	22.30	22.31	1.052	1.053	NO	108.4	108	0.221	108.4
8	8 PCB-14	1.46e6	1.58	NO	1.02	1.000	23.44	23.44	0.951	0.951	NO	52.24	104	0.218	52.24
9	9 PCB-11	1.60e6	1.58	NO	1.12	1.000	24.66	24.66	1.001	1.001	NO	52.33	105	0.200	52.33
10	10 PCB-12/13	2.99e6	1.58	NO	1.02	1.000	25.09	25.03	1.018	1.016	NO	107.4	107	0.219	107.4
11	11 PCB-15	1.51e6	1.57	NO	1.02	1.000	25.37	25.38	1.030	1.030	NO	54.34	109	0.219	54.34
12	12 PCB-19	8.26e5	1.02	NO	0.972	1.000	23.63	23.62	1.001	1.001	NO	53.70	107	0.0121	53.70
13	13 PCB-30	1.38e6	1.01	NO	1.54	1.000	24.54	24.53	1.040	1.040	NO	56.55	113	0.00762	56.55
14	14 PCB-18	9.22e5	1.02	NO	0.719	1.000	25.31	25.30	0.952	0.951	NO	53.77	108	0.0109	53.77
15	15 PCB-17	8.67e5	1.01	NO	0.672	1.000	25.48	25.47	0.958	0.958	NO	54.14	108	0.0116	54.14
16	16 PCB-24/27	2.45e6	1.01	NO	0.932	1.000	26.06	26.07	0.980	0.981	NO	110.3	110	0.00837	110.3
17	17 PCB-16/32	2.09e6	1.02	NO	0.824	1.000	26.61	26.61	1.001	1.001	NO	106.4	106	0.00947	106.4
18	18 PCB-34	1.22e6	1.02	NO	0.878	1.000	27.40	27.42	0.958	0.959	NO	53.20	106	0.0226	53.20
19	19 PCB-23	1.37e6	1.05	NO	0.892	1.000	27.50	27.51	0.962	0.962	NO	58.91	118	0.0222	58.91
20	20 PCB-29	1.31e6	1.04	NO	0.861	1.000	27.75	27.77	0.971	0.971	NO	58.01	116	0.0230	58.01
21	21 PCB-26	1.34e6	1.05	NO	0.915	1.000	27.99	27.98	0.979	0.979	NO	56.03	112	0.0217	56.03
22	22 PCB-25	1.31e6	1.03	NO	0.915	1.000	28.14	28.15	0.984	0.984	NO	54.88	110	0.0216	54.88
23	23 PCB-31	1.55e6	1.02	NO	1.03	1.000	28.51	28.52	0.997	0.997	NO	57.53	115	0.0192	57.53
24	24 PCB-28	1.35e6	1.04	NO	1.01	1.000	28.61	28.61	1.001	1.001	NO	50.77	102	0.0195	50.77
25	25 PCB-20/21/33	3.89e6	1.05	NO	0.913	1.000	29.25	29.24	1.023	1.023	NO	163.2	109	0.0217	163.2
26	26 PCB-22	1.39e6	1.06	NO	0.948	1.000	29.69	29.71	1.038	1.039	NO	56.29	113	0.0209	56.29
27	27 PCB-36	1.44e6	1.04	NO	1.07	1.000	30.36	30.34	0.932	0.931	NO	57.67	115	0.0208	57.67
28	28 PCB-39	1.31e6	1.04	NO	1.00	1.000	30.84	30.83	0.946	0.946	NO	55.64	111	0.0222	55.64
29	29 PCB-38	1.36e6	1.04	NO	1.05	1.000	31.63	31.63	0.970	0.970	NO	55.16	110	0.0212	55.16
30	30 PCB-35	1.37e6	1.06	NO	1.05	1.000	32.17	32.17	0.987	0.987	NO	55.74	111	0.0213	55.74
31	31 PCB-37	1.35e6	1.04	NO	1.03	1.000	32.61	32.61	1.001	1.001	NO	56.23	112	0.0217	56.23

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-1.qld

Last Altered: Tuesday, December 15, 2020 17:25:46 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 08:30:30 Pacific Standard Time

Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
32	32 PCB-54	1.10e6	0.76	NO	0.974	1.000	27.46	27.46	1.001	1.001	NO	55.63	111	0.0171	55.63
33	33 PCB-50	8.76e5	0.77	NO	0.803	1.000	28.66	28.67	1.044	1.045	NO	53.81	108	0.0207	53.81
34	34 PCB-53	7.97e5	0.74	NO	0.939	1.000	29.32	29.34	0.943	0.944	NO	53.46	107	0.0227	53.45
35	35 PCB-51	8.77e5	0.75	NO	1.00	1.000	29.68	29.67	0.955	0.955	NO	55.23	110	0.0213	55.23
36	36 PCB-45	6.96e5	0.77	NO	0.802	1.000	30.13	30.12	0.969	0.969	NO	54.63	109	0.0266	54.63
37	37 PCB-46	6.51e5	0.77	NO	0.770	1.000	30.63	30.62	0.985	0.985	NO	53.22	106	0.0277	53.22
38	38 PCB-52/69	1.94e6	0.77	NO	1.08	1.000	31.12	31.12	1.001	1.001	NO	113.0	113	0.0197	113.0
39	39 PCB-73	1.08e6	0.75	NO	1.31	1.000	31.24	31.24	1.005	1.005	NO	52.18	104	0.0163	52.18
40	40 PCB-43/49	1.60e6	0.76	NO	0.925	1.000	31.41	31.42	1.010	1.011	NO	108.6	109	0.0230	108.6
41	41 PCB-47	8.44e5	0.75	NO	0.863	1.000	31.63	31.63	1.001	1.001	NO	58.23	116	0.0233	58.23
42	42 PCB-48/75	1.84e6	0.77	NO	1.04	1.000	31.76	31.74	1.005	1.004	NO	105.8	106	0.0193	105.8
43	43 PCB-65	1.06e6	0.77	NO	1.16	1.000	32.04	32.02	1.014	1.013	NO	54.54	109	0.0173	54.54
44	44 PCB-62	9.72e5	0.76	NO	1.04	1.000	32.13	32.13	1.016	1.016	NO	55.81	112	0.0193	55.81
45	45 PCB-44	6.92e5	0.74	NO	0.757	1.000	32.46	32.44	1.027	1.026	NO	54.39	109	0.0265	54.39
46	46 PCB-42/59	1.77e6	0.76	NO	0.975	1.000	32.69	32.67	1.034	1.034	NO	108.3	108	0.0206	108.3
47	47 PCB-41/64/71/72	4.05e6	0.77	NO	1.12	1.000	33.29	33.28	1.053	1.053	NO	216.2	108	0.0180	216.2
48	48 PCB-68	1.07e6	0.76	NO	1.19	1.000	33.56	33.56	1.062	1.062	NO	53.50	107	0.0169	53.50
49	49 PCB-40	5.12e5	0.77	NO	0.572	1.000	33.79	33.77	1.069	1.068	NO	53.21	106	0.0350	53.21
50	50 PCB-57	1.15e6	0.76	NO	1.08	1.000	34.14	34.14	0.969	0.969	NO	53.07	106	0.0160	53.07
51	51 PCB-67	1.14e6	0.76	NO	1.02	1.000	34.45	34.46	0.978	0.978	NO	56.11	112	0.0170	56.12
52	52 PCB-58	1.12e6	0.76	NO	1.08	1.000	34.57	34.58	0.981	0.982	NO	51.59	103	0.0159	51.59
53	53 PCB-63	1.07e6	0.76	NO	0.971	1.000	34.74	34.73	0.986	0.986	NO	55.21	110	0.0178	55.21
54	54 PCB-74	1.16e6	0.76	NO	1.09	1.000	35.04	35.03	0.994	0.994	NO	53.08	106	0.0159	53.08
55	55 PCB-61/70	2.14e6	0.75	NO	0.978	1.000	35.25	35.18	1.000	0.998	NO	108.9	109	0.0176	108.9
56	56 PCB-76/66	2.29e6	0.76	NO	1.07	1.000	35.43	35.46	1.005	1.006	NO	106.6	107	0.0161	106.6
57	57 PCB-80	1.21e6	0.75	NO	1.08	1.000	35.69	35.70	1.001	1.001	NO	55.49	111	0.0166	55.49
58	58 PCB-55	1.22e6	0.77	NO	1.06	1.000	36.02	36.02	1.010	1.010	NO	56.58	113	0.0168	56.58
59	59 PCB-56/60	2.10e6	0.76	NO	0.946	1.000	36.53	36.52	1.024	1.024	NO	109.8	110	0.0189	109.8
60	60 PCB-79	1.20e6	0.76	NO	1.06	1.000	37.63	37.64	1.055	1.055	NO	56.07	112	0.0169	56.07
61	61 PCB-78	1.12e6	0.76	NO	1.01	1.000	38.34	38.34	0.987	0.987	NO	54.57	109	0.0173	54.57
62	62 PCB-81	1.02e6	0.76	NO	0.941	1.000	38.88	38.90	1.000	1.001	NO	53.37	107	0.0185	53.37
63	63 PCB-77	1.19e6	0.78	NO	1.03	1.000	39.50	39.50	1.000	1.000	NO	54.03	108	0.0165	54.03
64	64 PCB-104	9.38e5	1.56	NO	0.982	1.000	32.30	32.30	1.001	1.001	NO	52.92	106	0.0156	52.92
65	65 PCB-96	9.36e5	1.59	NO	0.982	1.000	33.60	33.60	1.041	1.041	NO	52.81	106	0.0156	52.81

Handwritten note: 25/12/20  
A vertical line with an arrow pointing down is drawn next to the %Rec column.

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-1.qld

Last Altered: Tuesday, December 15, 2020 17:25:46 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 08:30:30 Pacific Standard Time

Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
66	66 PCB-103	7.43e5	1.58	NO	0.770	1.000	34.15	34.16	1.058	1.058	NO	53.48	107	0.0199	53.48
67	67 PCB-100	7.67e5	1.59	NO	0.805	1.000	34.52	34.53	1.070	1.070	NO	52.83	106	0.0190	52.83
68	68 PCB-94	5.93e5	1.56	NO	0.831	1.000	34.99	35.01	0.985	0.985	NO	50.86	102	0.0244	50.85
69	69 PCB-95/98/102	2.31e6	1.54	NO	1.07	1.000	35.49	35.50	0.999	0.999	NO	153.8	103	0.0189	153.8
70	70 PCB-93	5.85e5	1.58	NO	0.761	1.000	35.63	35.63	1.003	1.003	NO	54.71	109	0.0266	54.71
71	71 PCB-88/91	1.36e6	1.57	NO	0.910	1.000	35.96	35.96	1.012	1.012	NO	106.8	107	0.0223	106.8
72	72 PCB-121	1.09e6	1.57	NO	1.46	1.000	36.07	36.07	1.015	1.015	NO	53.02	106	0.0139	53.02
73	73 PCB-84/92	1.27e6	1.55	NO	0.826	1.000	36.91	36.91	0.990	0.990	NO	104.3	104	0.0230	104.3
74	74 PCB-89	6.82e5	1.53	NO	0.885	1.000	37.09	37.10	0.995	0.995	NO	52.11	104	0.0215	52.12
75	75 PCB-90/101	1.40e6	1.52	NO	0.905	1.000	37.29	37.30	1.000	1.000	NO	104.4	104	0.0210	104.4
76	76 PCB-113	9.93e5	1.56	NO	1.26	1.000	37.54	37.54	1.007	1.007	NO	53.37	107	0.0151	53.38
77	77 PCB-99	8.38e5	1.61	NO	0.993	1.000	37.64	37.66	1.010	1.010	NO	57.07	114	0.0191	57.07
78	78 PCB-119	9.69e5	1.55	NO	1.53	1.000	38.12	38.12	0.987	0.987	NO	53.19	106	0.0156	53.19
79	79 PCB-108/112	1.62e6	1.57	NO	1.25	1.000	38.28	38.29	0.991	0.991	NO	108.9	109	0.0192	108.9
80	80 PCB-83	1.02e6	1.56	NO	1.56	1.000	38.44	38.46	0.995	0.996	NO	54.85	110	0.0153	54.85
81	81 PCB-97	6.88e5	1.54	NO	1.12	1.000	38.64	38.66	1.000	1.001	NO	51.40	103	0.0213	51.40
82	82 PCB-86	6.38e5	1.57	NO	1.06	1.000	38.79	38.81	1.004	1.005	NO	50.63	101	0.0226	50.63
83	83 PCB-87/117/125	2.66e6	1.54	NO	1.34	1.000	38.93	38.94	1.008	1.008	NO	166.5	111	0.0178	166.5
84	84 PCB-111/115	2.20e6	1.54	NO	1.62	1.000	39.09	39.11	1.012	1.013	NO	114.4	114	0.0148	114.4
85	85 PCB-85/116	1.71e6	1.59	NO	1.23	1.000	39.21	39.22	1.015	1.015	NO	116.2	116	0.0194	116.2
86	86 PCB-120	1.23e6	1.54	NO	1.79	1.000	39.48	39.48	1.022	1.022	NO	57.82	116	0.0133	57.82
87	87 PCB-110	1.10e6	1.56	NO	1.50	1.000	39.63	39.63	1.026	1.026	NO	61.73	123	0.0159	61.73
88	88 PCB-82	6.46e5	1.56	NO	0.638	1.000	40.28	40.26	0.976	0.975	NO	54.11	108	0.0234	54.11
89	89 PCB-124	1.10e6	1.54	NO	1.08	1.000	40.99	40.99	0.993	0.993	NO	54.75	110	0.0138	54.75
90	90 PCB-107/109	2.17e6	1.56	NO	1.11	1.000	41.14	41.12	0.996	0.996	NO	104.8	105	0.0135	104.8
91	91 PCB-123	9.68e5	1.57	NO	1.00	1.000	41.31	41.30	1.000	1.000	NO	51.70	103	0.0149	51.70
92	92 PCB-106/118	2.11e6	1.58	NO	1.02	1.000	41.51	41.51	1.001	1.001	NO	106.8	107	0.0145	106.8
93	93 PCB-114	9.79e5	1.56	NO	1.08	1.000	42.17	42.17	1.000	1.000	NO	53.22	106	0.0183	53.22
94	94 PCB-122	9.10e5	1.60	NO	0.930	1.000	42.32	42.30	1.004	1.004	NO	57.63	115	0.0213	57.63
95	95 PCB-105	9.60e5	1.54	NO	1.03	1.000	43.06	43.06	1.000	1.000	NO	54.22	108	0.0194	54.22
96	96 PCB-127	1.06e6	1.54	NO	1.06	1.000	43.40	43.40	1.000	1.000	NO	53.68	107	0.0166	53.68
97	97 PCB-126	1.07e6	1.52	NO	1.15	1.000	45.37	45.37	1.000	1.000	NO	55.97	112	0.0180	55.97
98	98 PCB-155	7.69e5	1.27	NO	0.853	1.000	36.84	36.84	1.000	1.000	NO	54.27	109	0.00703	54.27
99	99 PCB-150	7.86e5	1.29	NO	0.934	1.000	38.14	38.14	1.036	1.036	NO	50.62	101	0.00641	50.62

Dataset: U:\VG11.PRO\Results\201215K1\201215K1-1.qld

Last Altered: Tuesday, December 15, 2020 17:25:46 Pacific Standard Time  
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Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
100	1... PCB-152	8.66e5	1.27	NO	1.02	1.000	38.64	38.62	1.049	1.049	NO	51.22	102	0.00588	51.22
101	1... PCB-145	9.14e5	1.26	NO	0.983	1.000	39.11	39.09	1.062	1.062	NO	55.97	112	0.00610	55.97
102	1... PCB-136	8.32e5	1.27	NO	0.881	1.000	39.42	39.42	1.071	1.071	NO	56.87	114	0.00680	56.87
103	1... PCB-148	6.73e5	1.31	NO	0.666	1.000	39.55	39.53	1.074	1.074	NO	60.85	122	0.00899	60.85
104	1... PCB-154	7.32e5	1.26	NO	0.721	1.000	40.06	40.04	1.088	1.087	NO	61.17	122	0.00831	61.17
105	1... PCB-151	6.04e5	1.28	NO	0.674	1.000	40.72	40.71	1.106	1.106	NO	53.95	108	0.00889	53.95
106	1... PCB-135	6.82e5	1.27	NO	0.723	1.000	40.95	40.93	1.112	1.112	NO	56.75	113	0.00829	56.75
107	1... PCB-144	5.99e5	1.26	NO	0.691	1.000	41.04	41.04	1.115	1.115	NO	52.12	104	0.00866	52.12
108	1... PCB-147	6.55e5	1.26	NO	0.713	1.000	41.19	41.17	1.119	1.118	NO	55.31	111	0.00841	55.31
109	1... PCB-139/149	1.42e6	1.28	NO	0.773	1.000	41.47	41.45	1.126	1.126	NO	110.6	111	0.00775	110.6
110	1... PCB-140	6.32e5	1.27	NO	0.652	1.000	41.66	41.64	1.131	1.131	NO	58.31	117	0.00918	58.31
111	1... PCB-134/143	1.18e6	1.24	NO	0.718	1.000	42.09	42.09	0.974	0.974	NO	106.7	107	0.0419	106.7
112	1... PCB-131/133	1.28e6	1.24	NO	0.768	1.000	42.42	42.40	0.982	0.981	NO	108.1	108	0.0391	108.1
113	1... PCB-142	5.83e5	1.23	NO	0.687	1.000	42.57	42.57	0.985	0.985	NO	54.85	110	0.0437	54.85
114	1... PCB-146/165	1.56e6	1.24	NO	0.943	1.000	42.81	42.79	0.991	0.990	NO	106.7	107	0.0318	106.7
115	1... PCB-132/161	1.57e6	1.24	NO	0.957	1.000	43.06	43.04	0.997	0.996	NO	106.0	106	0.0314	106.0
116	1... PCB-153	8.42e5	1.23	NO	0.990	1.000	43.25	43.23	1.001	1.000	NO	54.97	110	0.0303	54.97
117	1... PCB-168	8.58e5	1.24	NO	1.03	1.000	43.46	43.44	1.006	1.005	NO	53.59	107	0.0290	53.59
118	1... PCB-141	6.35e5	1.23	NO	0.948	1.000	43.99	43.99	1.000	1.000	NO	54.51	109	0.0395	54.51
119	1... PCB-137	7.08e5	1.23	NO	0.964	1.000	44.36	44.38	1.009	1.010	NO	59.81	120	0.0389	59.81
120	1... PCB-130	5.33e5	1.25	NO	0.816	1.000	44.48	44.48	1.012	1.012	NO	53.14	106	0.0459	53.14
121	1... PCB-138/163/164	2.42e6	1.22	NO	1.15	1.000	44.90	44.88	1.001	1.001	NO	159.0	106	0.0307	159.0
122	1... PCB-158/160	1.68e6	1.25	NO	1.14	1.000	45.14	45.12	1.007	1.006	NO	112.2	112	0.0311	112.2
123	1... PCB-129	5.53e5	1.23	NO	0.807	1.000	45.39	45.37	1.012	1.012	NO	52.09	104	0.0439	52.09
124	1... PCB-166	9.17e5	1.23	NO	1.03	1.000	45.85	45.84	0.993	0.993	NO	53.64	107	0.0273	53.64
125	1... PCB-159	9.67e5	1.24	NO	1.10	1.000	46.18	46.18	1.000	1.000	NO	53.22	106	0.0257	53.22
126	1... PCB-128/162	1.53e6	1.24	NO	0.836	1.000	46.47	46.47	1.007	1.007	NO	110.0	110	0.0337	110.0
127	1... PCB-167	9.23e5	1.23	NO	0.960	1.000	46.88	46.88	1.000	1.000	NO	55.52	111	0.0278	55.52
128	1... PCB-156	9.44e5	1.22	NO	1.06	1.000	48.21	48.21	1.000	1.000	NO	52.63	105	0.0261	52.63
129	1... PCB-157	8.53e5	1.25	NO	0.960	1.000	48.50	48.49	1.000	1.000	NO	54.09	108	0.0295	54.09
130	1... PCB-169	9.31e5	1.23	NO	1.04	1.000	50.77	50.77	1.000	1.000	NO	54.77	110	0.0281	54.77
131	1... PCB-188	9.03e5	1.04	NO	1.15	1.000	42.85	42.83	1.001	1.000	NO	54.01	108	0.0233	54.01
132	1... PCB-184	9.25e5	1.02	NO	1.14	1.000	43.30	43.31	1.011	1.012	NO	55.82	112	0.0235	55.82
133	1... PCB-179	8.80e5	1.04	NO	1.07	1.000	44.10	44.10	1.030	1.030	NO	56.32	113	0.0250	56.32



Dataset: U:\VG11.PRO\Results\201215K1\201215K1-1.qld

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Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
134	1... PCB-176	9.04e5	1.03	NO	1.11	1.000	44.57	44.59	1.041	1.042	NO	55.83	112	0.0241	55.84
135	1... PCB-186	9.60e5	1.02	NO	1.23	1.000	45.20	45.22	1.056	1.056	NO	53.62	107	0.0218	53.62
136	1... PCB-178	6.45e5	1.03	NO	0.830	1.000	45.73	45.73	1.068	1.068	NO	53.39	107	0.0323	53.39
137	1... PCB-175	6.77e5	1.02	NO	0.853	1.000	46.07	46.09	1.076	1.077	NO	54.55	109	0.0315	54.55
138	1... PCB-182/187	1.50e6	1.02	NO	0.942	1.000	46.26	46.26	1.081	1.081	NO	109.6	110	0.0285	109.6
139	1... PCB-183	7.56e5	1.03	NO	0.910	1.000	46.58	46.58	1.088	1.088	NO	57.13	114	0.0295	57.13
140	1... PCB-185	6.75e5	1.04	NO	1.24	1.000	47.26	47.26	0.954	0.955	NO	54.27	109	0.0326	54.27
141	1... PCB-174	6.47e5	1.02	NO	1.20	1.000	47.64	47.64	0.962	0.962	NO	53.78	108	0.0337	53.78
142	1... PCB-181	6.96e5	1.04	NO	1.33	1.000	47.74	47.76	0.964	0.964	NO	52.13	104	0.0303	52.13
143	1... PCB-177	6.12e5	1.03	NO	1.14	1.000	47.93	47.93	0.968	0.968	NO	53.40	107	0.0353	53.40
144	1... PCB-171	6.45e5	1.02	NO	1.22	1.000	48.22	48.23	0.974	0.974	NO	52.78	106	0.0331	52.78
145	1... PCB-173	5.76e5	1.04	NO	1.07	1.000	48.67	48.67	0.983	0.983	NO	53.72	107	0.0378	53.73
146	1... PCB-172	6.67e5	1.02	NO	1.26	1.000	49.12	49.14	0.992	0.992	NO	52.85	106	0.0321	52.85
147	1... PCB-192	8.89e5	1.03	NO	1.61	1.000	49.33	49.33	0.996	0.996	NO	54.84	110	0.0250	54.84
148	1... PCB-180	7.05e5	1.04	NO	1.30	1.000	49.54	49.56	1.000	1.001	NO	53.97	108	0.0310	53.97
149	1... PCB-193	8.17e5	1.05	NO	1.47	1.000	49.74	49.76	1.004	1.005	NO	55.30	111	0.0274	55.30
150	1... PCB-191	8.45e5	1.03	NO	1.51	1.000	50.01	50.03	1.010	1.010	NO	55.85	112	0.0268	55.85
151	1... PCB-170	5.87e5	1.04	NO	1.23	1.000	51.21	51.21	1.000	1.000	NO	51.29	103	0.0343	51.29
152	1... PCB-190	8.20e5	1.04	NO	1.61	1.000	51.42	51.41	1.005	1.004	NO	54.85	110	0.0262	54.85
153	1... PCB-189	8.64e5	1.04	NO	1.27	1.000	52.91	52.91	1.000	1.000	NO	53.40	107	0.0226	53.40
154	1... PCB-202	8.20e5	0.89	NO	0.995	1.000	48.46	48.44	1.001	1.000	NO	53.54	107	0.0111	53.54
155	1... PCB-201	7.23e5	0.89	NO	0.904	1.000	48.93	48.93	1.010	1.011	NO	51.95	104	0.0122	51.95
156	1... PCB-204	8.06e5	0.90	NO	0.955	1.000	49.08	49.10	1.014	1.014	NO	54.80	110	0.0116	54.80
157	1... PCB-197	7.92e5	0.91	NO	0.964	1.000	49.40	49.40	1.020	1.020	NO	53.33	107	0.0114	53.33
158	1... PCB-200	7.74e5	0.90	NO	0.911	1.000	50.33	50.35	1.039	1.040	NO	55.18	110	0.0121	55.19
159	1... PCB-198	5.76e5	0.89	NO	0.696	1.000	51.89	51.91	1.072	1.072	NO	53.76	108	0.0159	53.76
160	1... PCB-199	5.78e5	0.90	NO	0.706	1.000	52.02	52.02	1.074	1.074	NO	53.13	106	0.0156	53.13
161	1... PCB-196/203	1.27e6	0.90	NO	0.754	1.000	52.32	52.32	1.081	1.081	NO	109.7	110	0.0146	109.7
162	1... PCB-195	5.40e5	0.91	NO	0.957	1.000	53.62	53.62	0.984	0.983	NO	55.71	111	0.0310	55.71
163	1... PCB-194	5.89e5	0.90	NO	1.06	1.000	54.54	54.54	1.000	1.000	NO	54.85	110	0.0280	54.85
164	1... PCB-205	7.29e5	0.89	NO	1.27	1.000	54.81	54.80	1.005	1.005	NO	56.76	114	0.0234	56.76
165	1... PCB-208	6.26e5	1.34	NO	0.861	1.000	53.76	53.76	1.000	1.000	NO	55.16	110	0.0278	55.16
166	1... PCB-207	6.23e5	1.34	NO	0.849	1.000	54.10	54.10	1.007	1.007	NO	55.60	111	0.0282	55.60
167	1... PCB-206	4.60e5	1.33	NO	0.951	1.000	56.09	56.09	1.000	1.000	NO	53.49	107	0.0378	53.49

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Dataset: U:\WG11.PRO\Results\201215K1\201215K1-1.qld

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Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

	#.Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	.Check RRT	Conc.	%Rec	DL	EMPC
168	1... PCB-209	5.17e5	1.19	NO	0.863	1.000	57.30	57.32	1.000	1.000	NO	53.60	107	0.00745	53.60
169	1... 13C-PCB-1	2.94e6	3.19	NO	0.937	1.000	15.42	15.41	0.608	0.608	NO	106.7	107	0.0549	
170	1... 13C-PCB-3	2.92e6	3.12	NO	0.934	1.000	18.05	18.03	0.712	0.711	NO	106.3	106	0.0551	
171	1... 13C-PCB-4	1.63e6	1.59	NO	0.599	1.000	19.40	19.38	0.765	0.764	NO	92.27	92.3	0.0313	
172	1... 13C-PCB-9	2.68e6	1.56	NO	0.960	1.000	21.21	21.19	0.836	0.836	NO	95.09	95.1	0.0195	
173	1... 13C-PCB-11	2.73e6	1.57	NO	0.929	1.000	24.64	24.64	0.971	0.971	NO	100.0	100	0.0202	
174	1... 13C-PCB-19	1.58e6	1.03	NO	0.506	1.000	23.61	23.60	0.931	0.930	NO	106.3	106	0.264	
175	1... 13C-PCB-32	2.38e6	1.02	NO	0.738	1.000	26.59	26.59	1.049	1.048	NO	109.8	110	0.181	
176	1... 13C-PCB-28	2.61e6	1.04	NO	1.06	1.000	28.59	28.59	1.004	1.004	NO	105.2	105	0.177	
177	1... 13C-PCB-37	2.34e6	1.04	NO	0.979	1.000	32.57	32.59	1.143	1.144	NO	102.2	102	0.191	
178	1... 13C-PCB-54	2.03e6	0.77	NO	0.981	1.000	27.43	27.44	0.751	0.752	NO	101.1	101	0.0495	
179	1... 13C-PCB-52	1.59e6	0.77	NO	0.786	1.000	31.09	31.09	0.852	0.852	NO	98.75	98.8	0.0618	
180	1... 13C-PCB-47	1.68e6	0.76	NO	0.833	1.000	31.60	31.61	0.866	0.866	NO	98.65	98.7	0.0583	
181	1... 13C-PCB-70	2.00e6	0.78	NO	0.981	1.000	35.23	35.24	0.965	0.965	NO	99.88	99.9	0.0495	
182	1... 13C-PCB-80	2.02e6	0.79	NO	1.01	1.000	35.66	35.67	0.977	0.977	NO	97.50	97.5	0.0479	
183	1... 13C-PCB-81	2.04e6	0.76	NO	0.995	1.000	38.86	38.87	1.064	1.065	NO	100.2	100	0.0488	
184	1... 13C-PCB-77	2.14e6	0.79	NO	0.977	1.000	39.48	39.48	1.082	1.082	NO	107.3	107	0.0497	
185	1... 13C-PCB-104	1.80e6	1.57	NO	1.00	1.000	32.30	32.28	0.826	0.826	NO	95.20	95.2	0.0245	
186	1... 13C-PCB-95	1.40e6	1.55	NO	0.779	1.000	35.55	35.53	0.910	0.909	NO	95.43	95.4	0.0316	
187	1... 13C-PCB-101	1.48e6	1.62	NO	0.833	1.000	37.30	37.28	0.954	0.954	NO	93.99	94.0	0.0296	
188	1... 13C-PCB-97	1.19e6	1.52	NO	0.679	1.000	38.64	38.62	0.988	0.988	NO	92.94	92.9	0.0363	
189	1... 13C-PCB-123	1.87e6	1.55	NO	0.970	1.000	41.28	41.28	1.056	1.056	NO	102.2	102	0.0254	
190	1... 13C-PCB-118	1.93e6	1.58	NO	1.00	1.000	41.47	41.47	1.061	1.061	NO	102.3	102	0.0246	
191	1... 13C-PCB-114	1.70e6	1.58	NO	1.55	1.000	42.14	42.15	0.908	0.908	NO	91.88	91.9	0.0308	
192	1... 13C-PCB-105	1.71e6	1.57	NO	1.59	1.000	43.02	43.04	0.927	0.927	NO	90.03	90.0	0.0299	
193	1... 13C-PCB-127	1.88e6	1.53	NO	1.66	1.000	43.38	43.38	0.934	0.934	NO	94.83	94.8	0.0287	
194	1... 13C-PCB-126	1.65e6	1.55	NO	1.65	1.000	45.33	45.35	0.976	0.977	NO	84.24	84.2	0.0290	
195	1... 13C-PCB-155	1.66e6	1.28	NO	0.819	1.000	36.81	36.82	0.942	0.942	NO	107.4	107	0.0306	
196	1... 13C-PCB-153	1.55e6	1.24	NO	1.31	1.000	43.20	43.21	0.930	0.931	NO	98.66	98.7	0.0465	
197	1... 13C-PCB-141	1.23e6	1.29	NO	1.08	1.000	43.97	43.97	0.947	0.947	NO	95.03	95.0	0.0563	
198	1... 13C-PCB-138	1.32e6	1.24	NO	1.15	1.000	44.82	44.84	0.965	0.966	NO	95.74	95.7	0.0530	
199	1... 13C-PCB-159	1.66e6	1.26	NO	1.39	1.000	46.16	46.17	0.994	0.994	NO	99.65	99.7	0.0438	
200	2... 13C-PCB-167	1.73e6	1.26	NO	1.43	1.000	46.86	46.87	1.009	1.009	NO	101.7	102	0.0428	
201	2... 13C-PCB-156	1.69e6	1.27	NO	1.34	1.000	48.19	48.19	1.038	1.038	NO	105.6	106	0.0456	

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Dataset: U:\VG11.PRO\Results\201215K1\201215K1-1.qld

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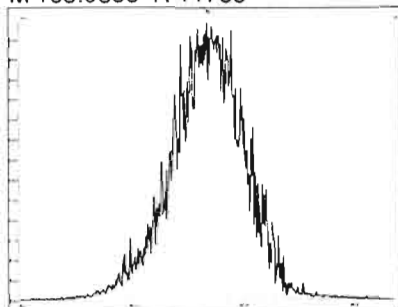
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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
202	2... 13C-PCB-157	1.64e6	1.26	NO	1.36	1.000	48.46	48.48	1.044	1.044	NO	101.2	101	0.0449	
203	2... 13C-PCB-169	1.64e6	1.27	NO	1.33	1.000	50.72	50.75	1.092	1.093	NO	102.9	103	0.0458	
204	2... 13C-PCB-188	1.45e6	0.44	NO	1.39	1.000	42.81	42.81	0.925	0.925	NO	98.81	98.8	0.0281	
205	2... 13C-PCB-180	1.00e6	0.44	NO	0.907	1.000	49.53	49.52	1.071	1.070	NO	104.6	105	0.0431	
206	2... 13C-PCB-170	9.29e5	0.45	NO	0.823	1.000	51.18	51.19	1.106	1.107	NO	106.7	107	0.0475	
207	2... 13C-PCB-189	1.27e6	0.44	NO	1.08	1.000	52.88	52.89	1.143	1.143	NO	111.7	112	0.0363	
208	2... 13C-PCB-202	1.54e6	0.90	NO	1.23	1.000	48.41	48.42	1.046	1.047	NO	118.1	118	0.0331	
209	2... 13C-PCB-194	1.01e6	0.88	NO	0.710	1.000	54.52	54.52	0.995	0.995	NO	101.9	102	0.0671	
210	2... 13C-PCB-208	1.32e6	0.78	NO	0.865	1.000	53.76	53.75	0.981	0.981	NO	108.9	109	0.0549	
211	2... 13C-PCB-206	9.03e5	0.77	NO	0.623	1.000	56.07	56.07	1.023	1.023	NO	103.6	104	0.0763	
212	2... 13C-PCB-209	1.12e6	1.21	NO	0.725	1.000	57.31	57.30	1.046	1.046	NO	110.3	110	0.0126	
213	2... 13C-PCB-15	2.94e6	1.57	NO	1.00	1.000	25.39	25.36	1.000	0.000	NO	100.0	100	0.0187	
214	2... 13C-PCB-31	2.34e6	1.04	NO	1.00	1.000	28.52	28.48	1.000	0.000	NO	100.0	100	0.187	
215	2... 13C-PCB-60	2.04e6	0.77	NO	1.00	1.000	36.54	36.50	1.000	0.000	NO	100.0	100	0.0486	
216	2... 13C-PCB-111	1.89e6	1.59	NO	1.00	1.000	39.11	39.09	1.000	0.000	NO	100.0	100	0.0246	
217	2... 13C-PCB-128	1.19e6	1.24	NO	1.00	1.000	46.47	46.43	1.000	0.000	NO	100.0	100	0.0611	
218	2... 13C-PCB-182	1.06e6	0.46	NO	1.00	1.000	46.30	46.26	0.000	0.000	NO	100.0	100	0.0391	
219	2... 13C-PCB-205	1.40e6	0.88	NO	1.00	1.000	54.81	54.78	1.000	0.000	NO	100.0	100	0.0476	
220	2... 13C-PCB-79	2.16e6	0.78	NO	1.04	1.000	37.60	37.62	1.030	1.031	NO	102.1	102	0.0469	
221	2... 13C-PCB-178	9.65e5	0.45	NO	0.774	1.000	45.70	45.71	0.988	0.988	NO	104.4	104	0.0461	
222	2... 13C-PCB-79	2.16e6	0.78	NO	1.04	1.000	37.61	37.62	0.968	0.968	NO	101.9	102	0.0465	
223	2... 13C-PCB-178	9.65e5	0.45	NO	1.02	1.000	45.69	45.71	0.923	0.923	NO	94.37	94.4	0.0418	

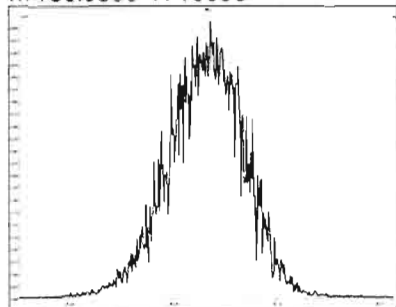
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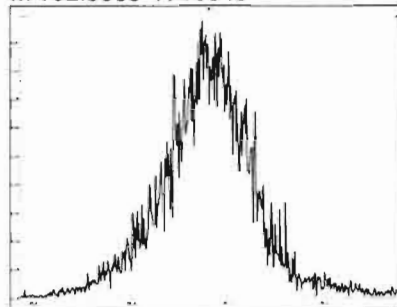
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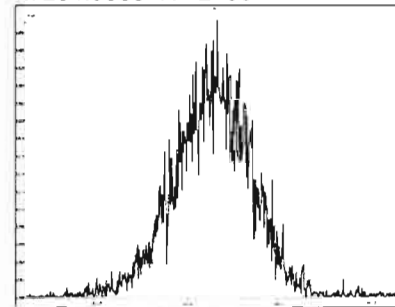
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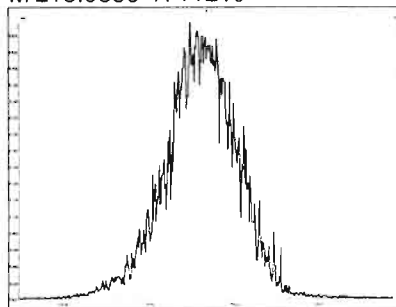
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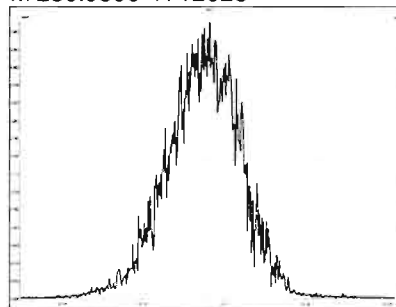
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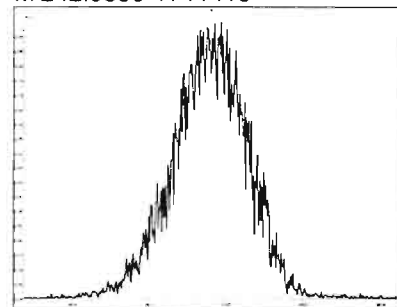
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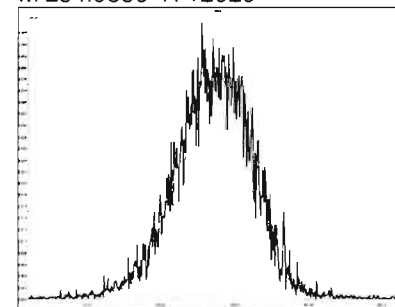
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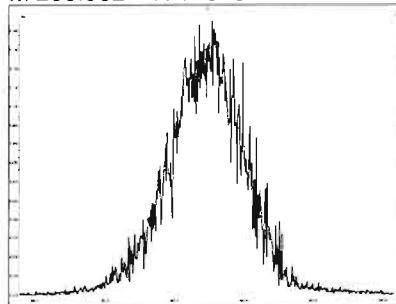
M 242.9856 R 11415



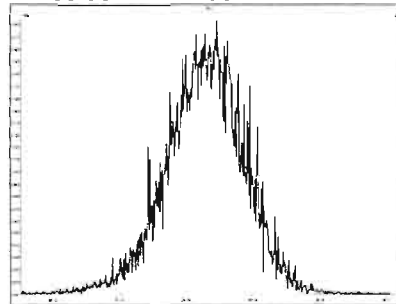
M 254.9856 R 12020



M 268.9824 R 11678



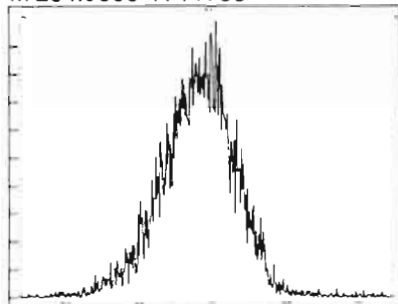
M 280.9824 R 11062



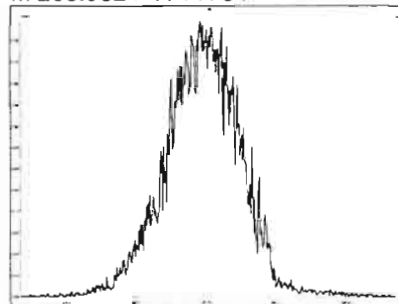
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Tuesday, December 15, 2020 16:16:47 Pacific Standard Time

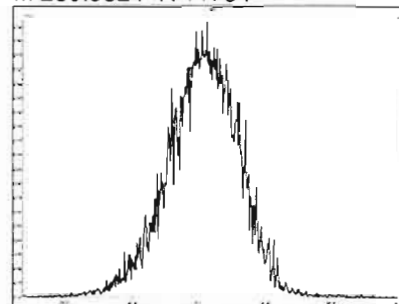
M 254.9856 R 11735



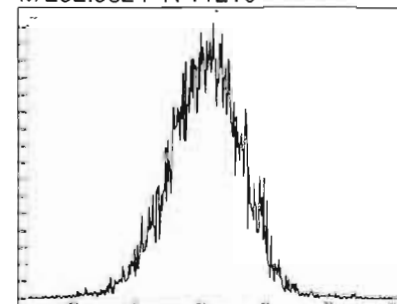
M 268.9824 R 11734



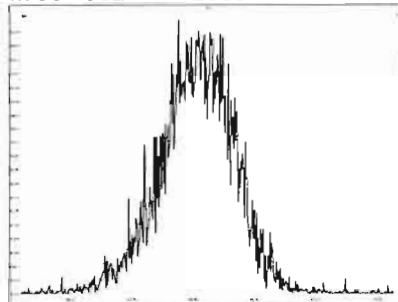
M 280.9824 R 11794



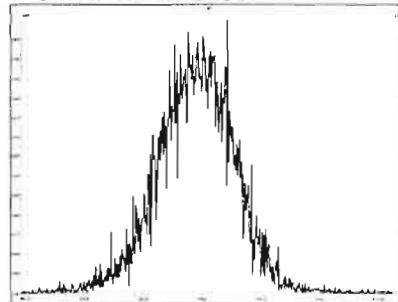
M 292.9824 R 11210



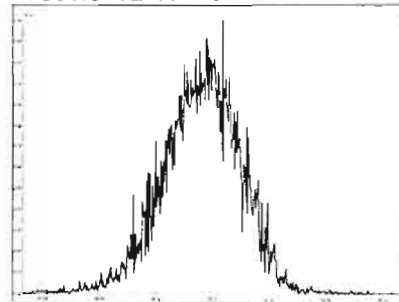
M 304.9824 R 12688



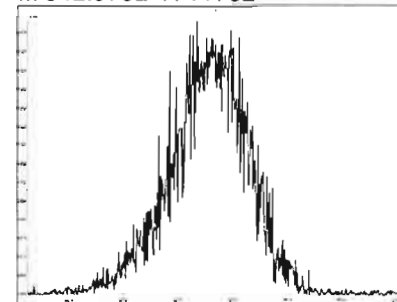
M 318.9792 R 13295



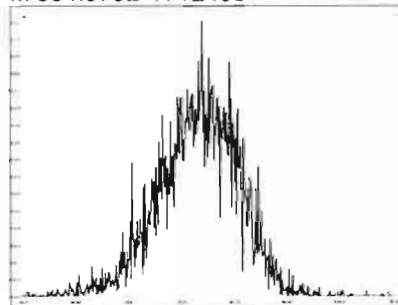
M 330.9792 R 11014



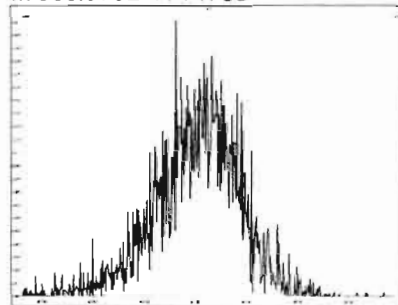
M 342.9792 R 11792



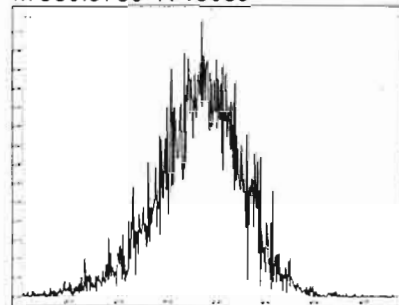
M 354.9792 R 12498



M 366.9792 R 14788



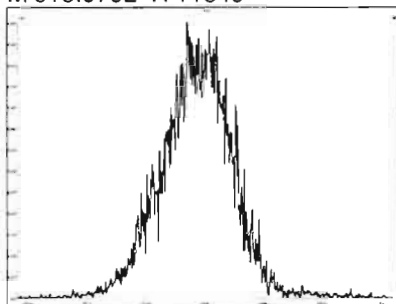
M 380.9760 R 13089



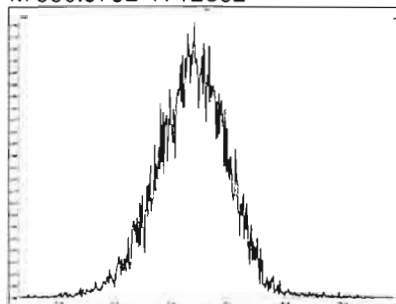
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 4 @ 200 (ppm)

Printed: Tuesday, December 15, 2020 16:17:12 Pacific Standard Time

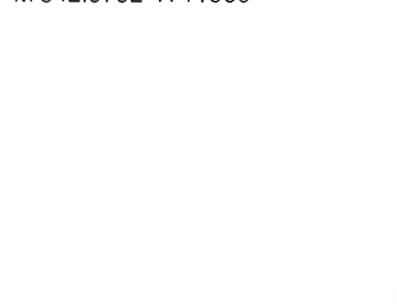
M 318.9792 R 11849



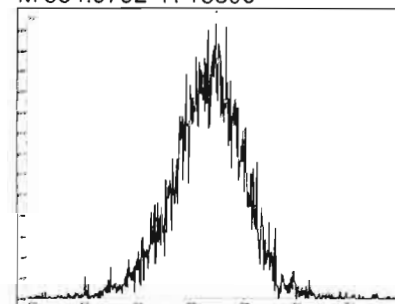
M 330.9792 R 12562



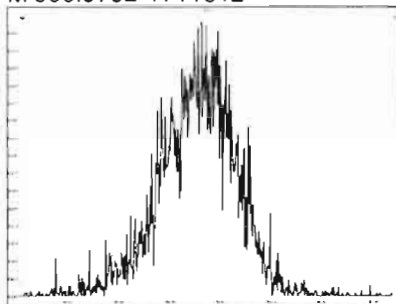
M 342.9792 R 11366



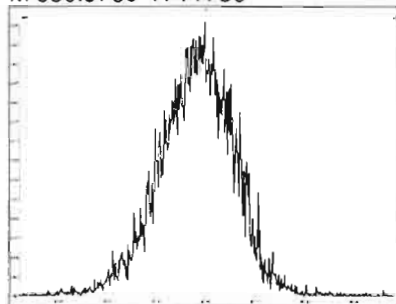
M 354.9792 R 13509



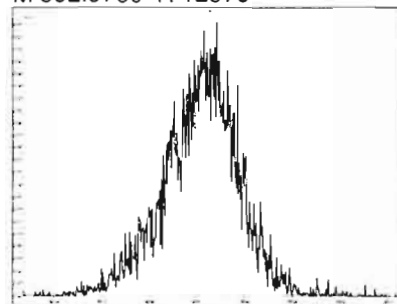
M 366.9792 R 11312



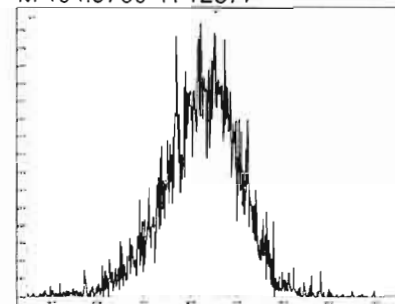
M 380.9760 R 11736



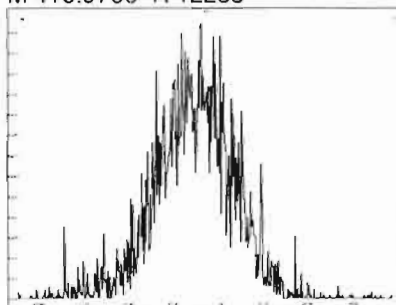
M 392.9760 R 12379



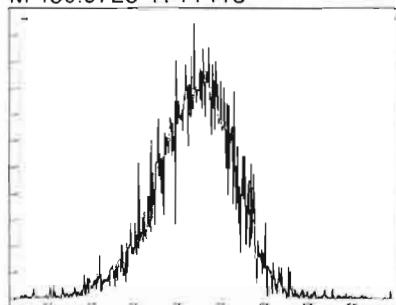
M 404.9760 R 12377



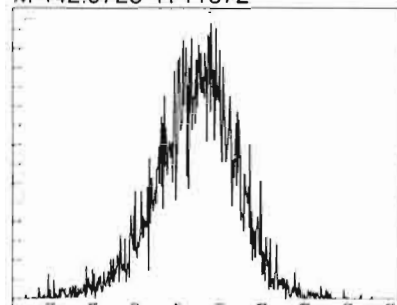
M 416.9760 R 12255



M 430.9728 R 11415



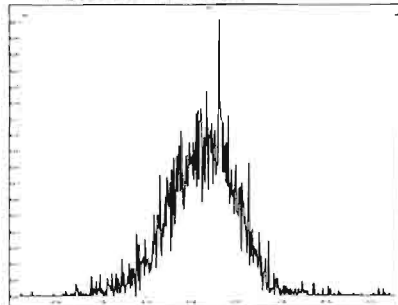
M 442.9728 R 11572



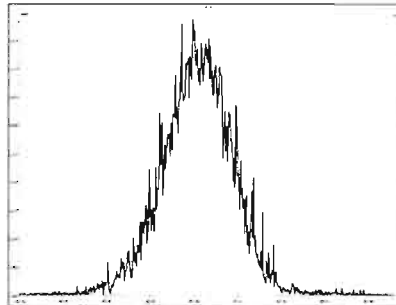
File: Experiment: pcb\_zb1.exp Reference: Pfk.ref Function: 5 @ 200 (ppm)

Printed: Tuesday, December 15, 2020 16:17:33 Pacific Standard Time

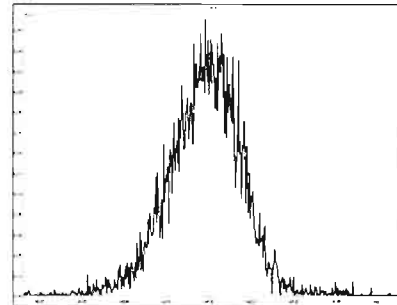
M 416.9760 R 14534



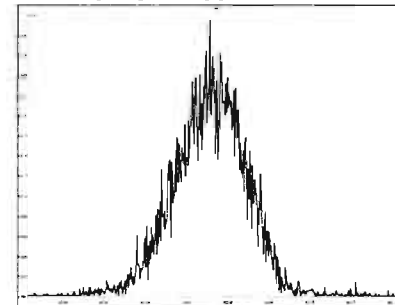
M 430.9728 R 11736



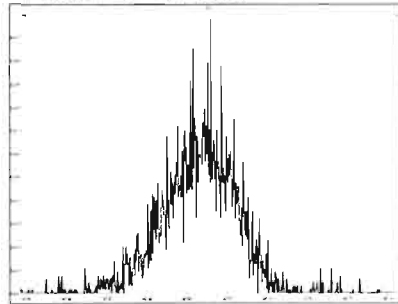
M 442.9728 R 13230



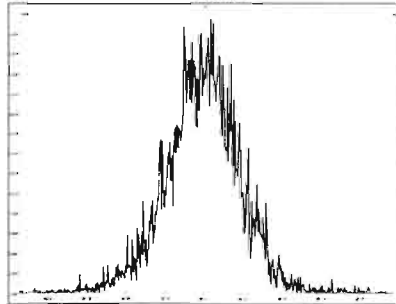
M 454.9728 R 13017



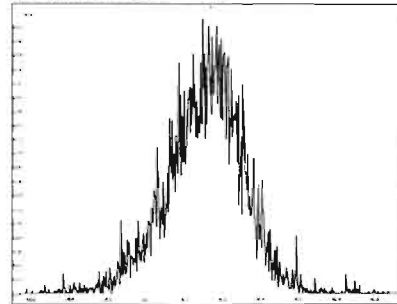
M 466.9728 R 14965



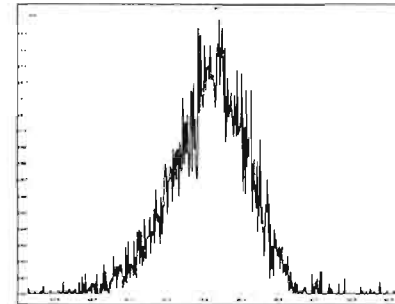
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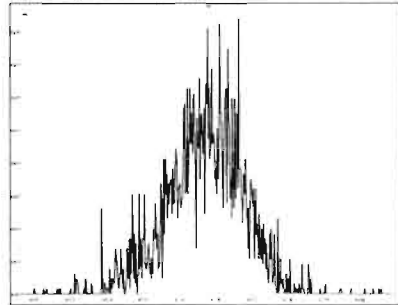
M 492.9696 R 11850



M 504.9696 R 11361



M 516.9697 R 14372





Dataset: Untitled

Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:53:53 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Compound name: PCB-1

	Name	ID	Acq.Date	Acq.Time
1	201215K1_1	ST201215K1-1 PCB 209 CS3 20J1217	15-Dec-20	16:19:53
2	201215K1_2	SOLVENT BLANK	15-Dec-20	17:19:42
3	201215K1_3	2002549-04 USMPDI-022SG-201116 12.8	15-Dec-20	18:19:04
4	201215K1_4	2002549-05 USMPDI-1022SG-201116 12.35	15-Dec-20	19:19:23
5	201215K1_5	2002550-01 NCPDI-043SG-201117 13.01	15-Dec-20	20:19:42
6	201215K1_6	2002550-02 NCPDI-045SG-201117 11.84	15-Dec-20	21:20:00
7	201215K1_7	2002550-03 NCPDI-047SG-201117 8.03	15-Dec-20	22:20:18
8	201215K1_8	2002550-04 NCPDI-068SG-201117 10.13	15-Dec-20	23:20:35
9	201215K1_9	2002582-01 NCPDI-048SG-201118 7.45	16-Dec-20	00:20:53
10	201215K1_10	2002582-02 NCPDI-050SG-201118 7.11	16-Dec-20	01:21:11
11	201215K1_11	2002582-03 NCPDI-055SG-201119 11.89	16-Dec-20	02:21:28
12	201215K1_12	2002582-04 NCPDI-071SG-201118 9.17	16-Dec-20	03:21:45

Dataset: Untitled

Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

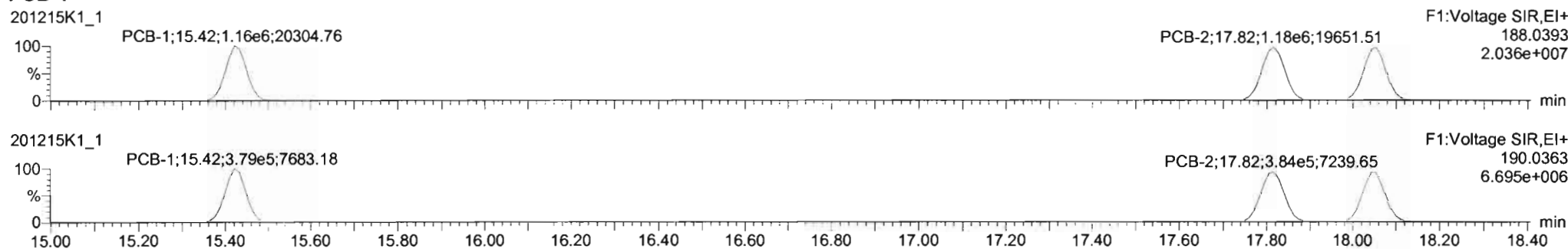
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_12-13-20.mdb 13 Dec 2020 12:47:46

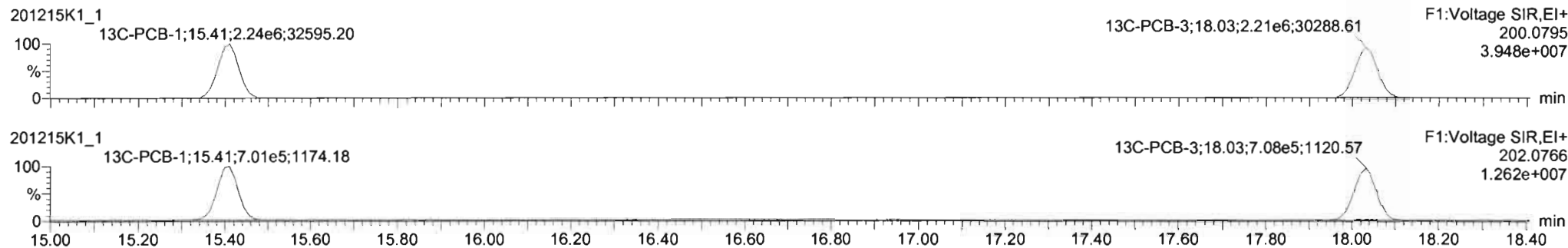
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

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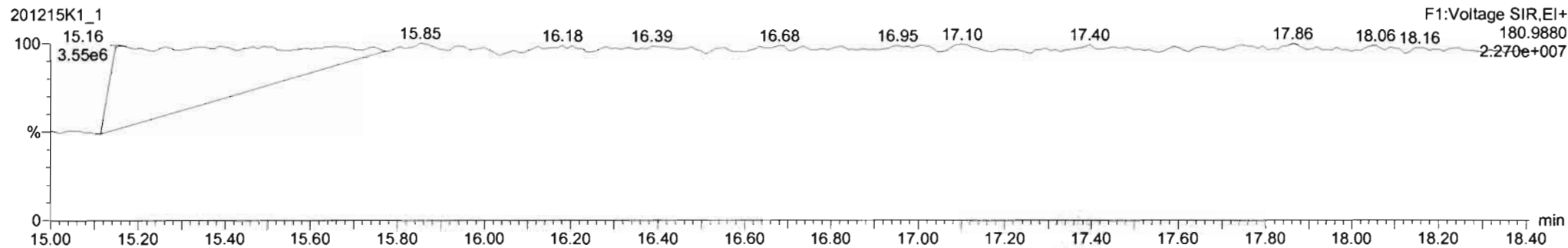
**PCB-1**



**13C-PCB-1**



**PFK1**



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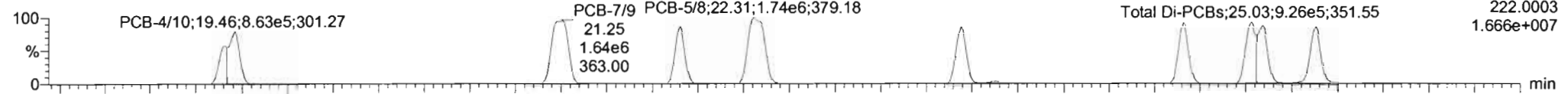
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

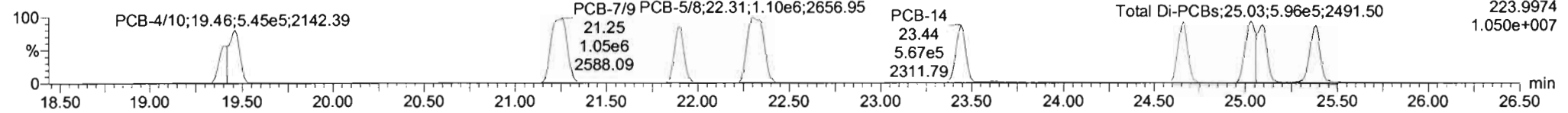
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**PCB-4/10**

201215K1\_1

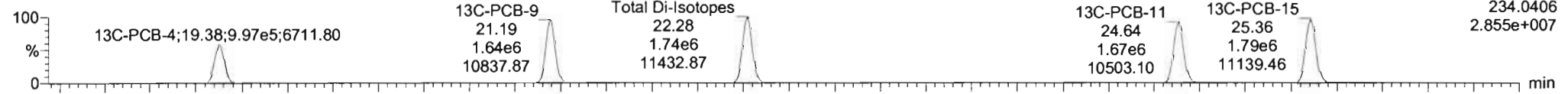


201215K1\_1

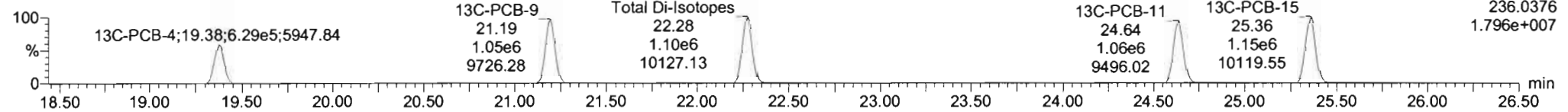


**13C-PCB-4**

201215K1\_1

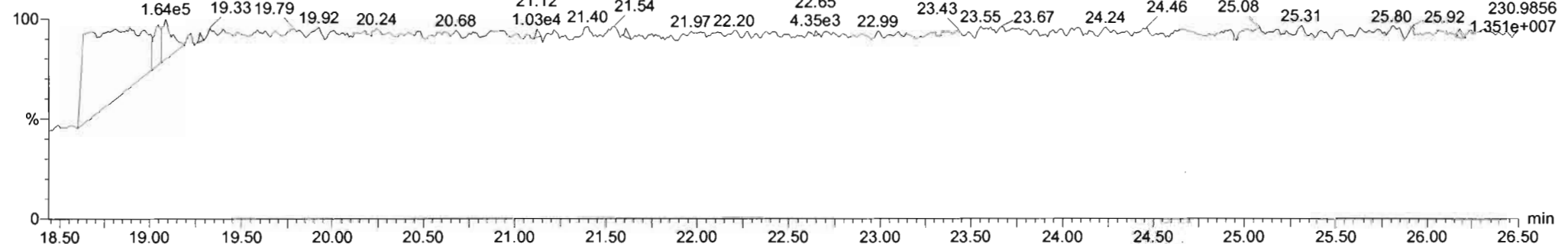


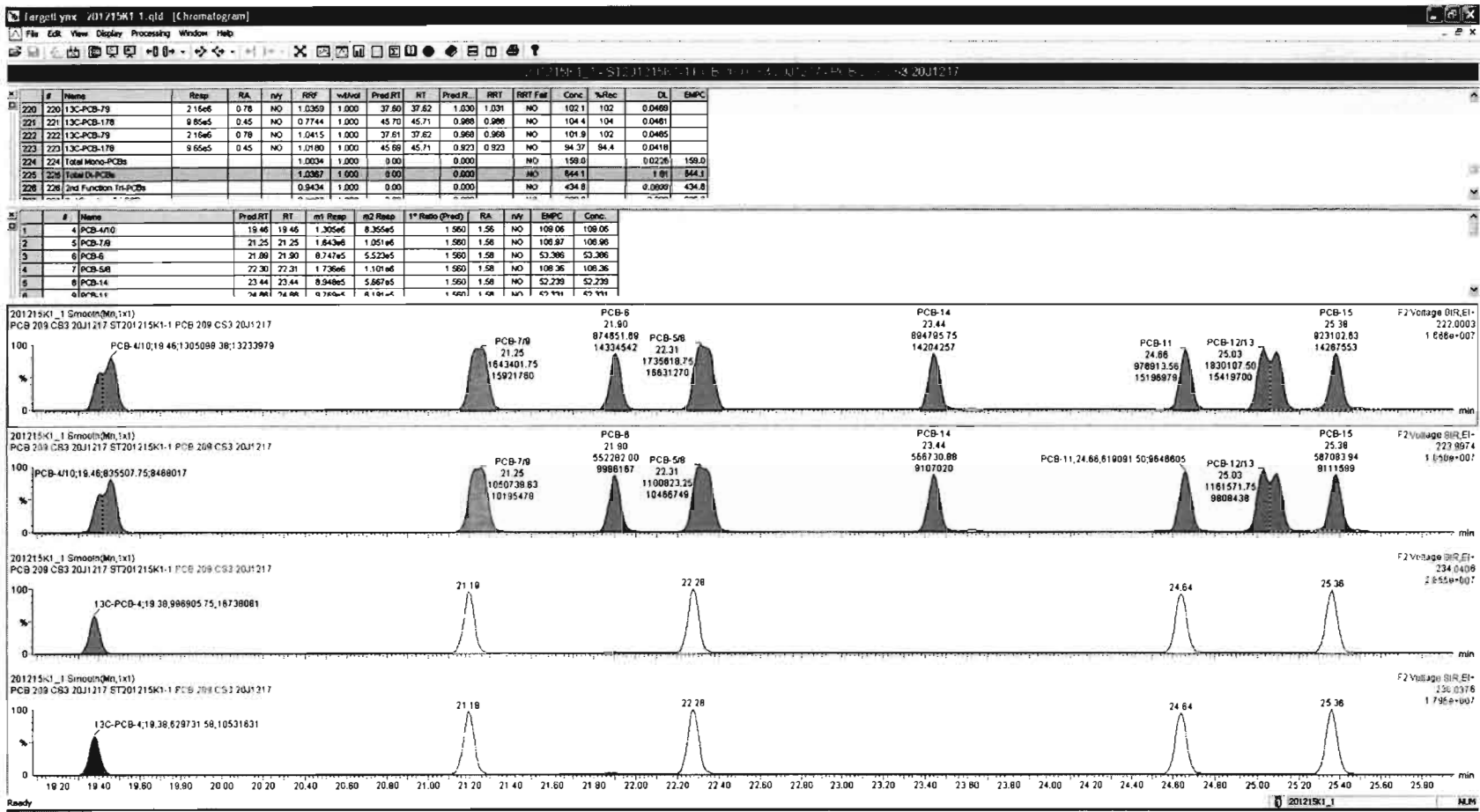
201215K1\_1



**PFK2a**

201215K1\_1



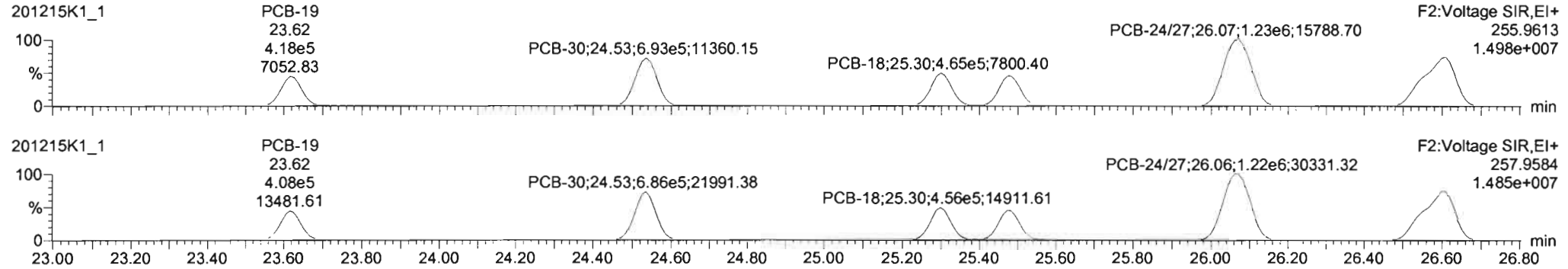


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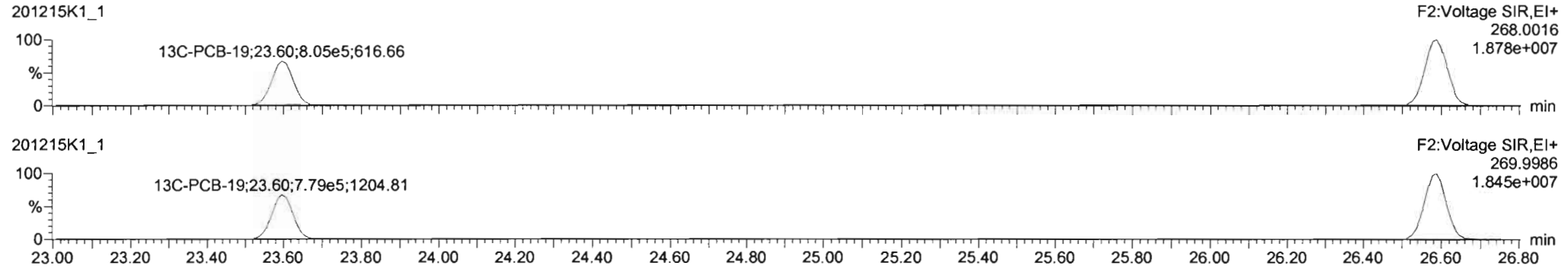
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

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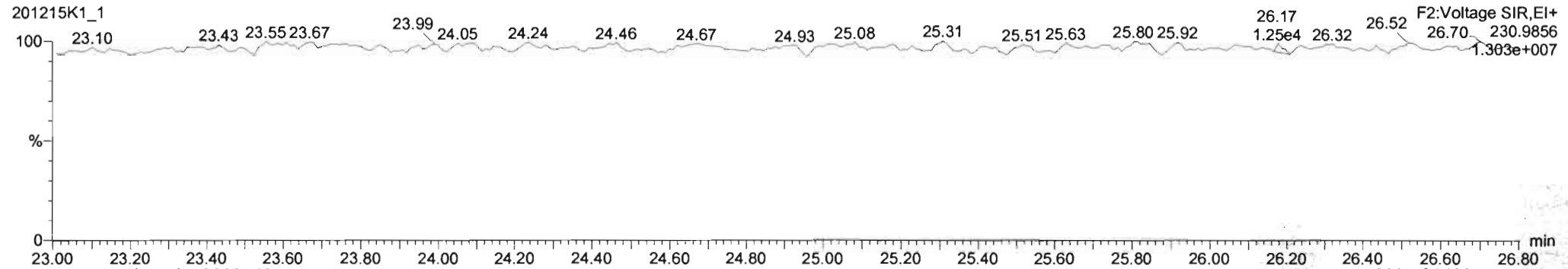
**PCB-19**



**13C-PCB-19**



**PFK2b**

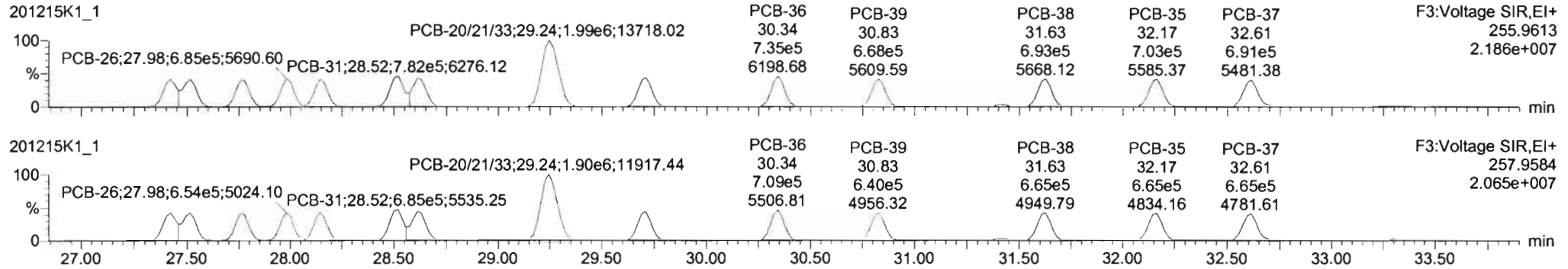


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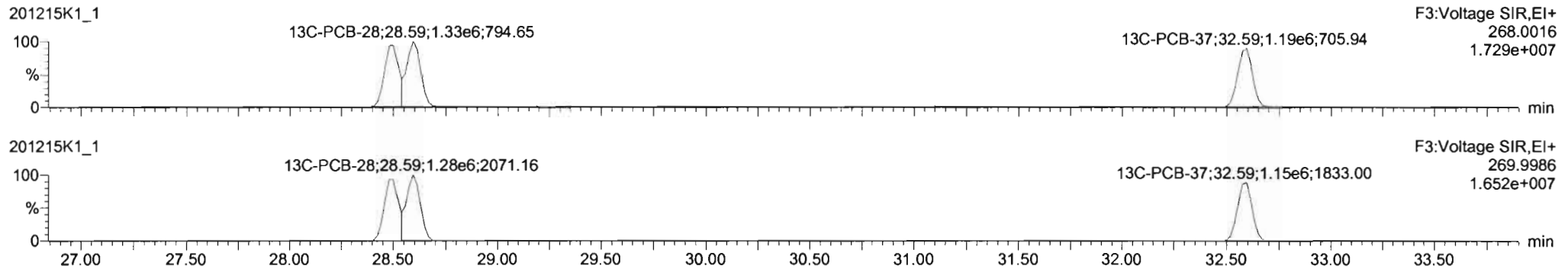
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

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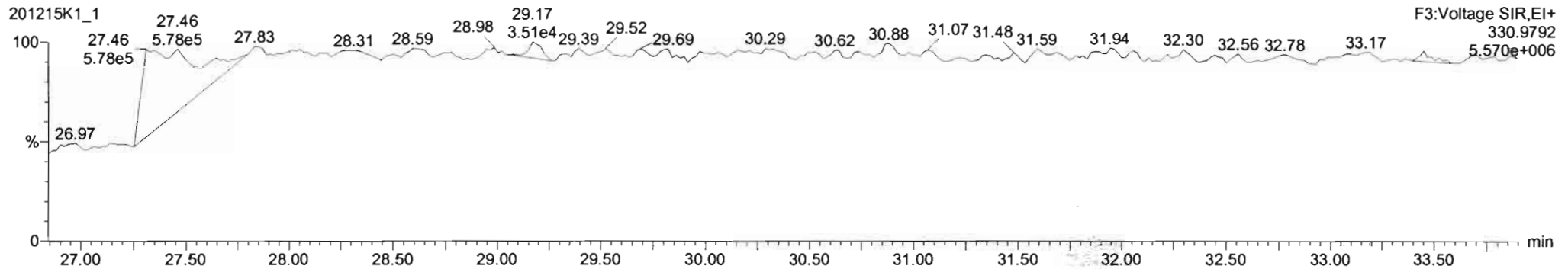
**PCB-34**

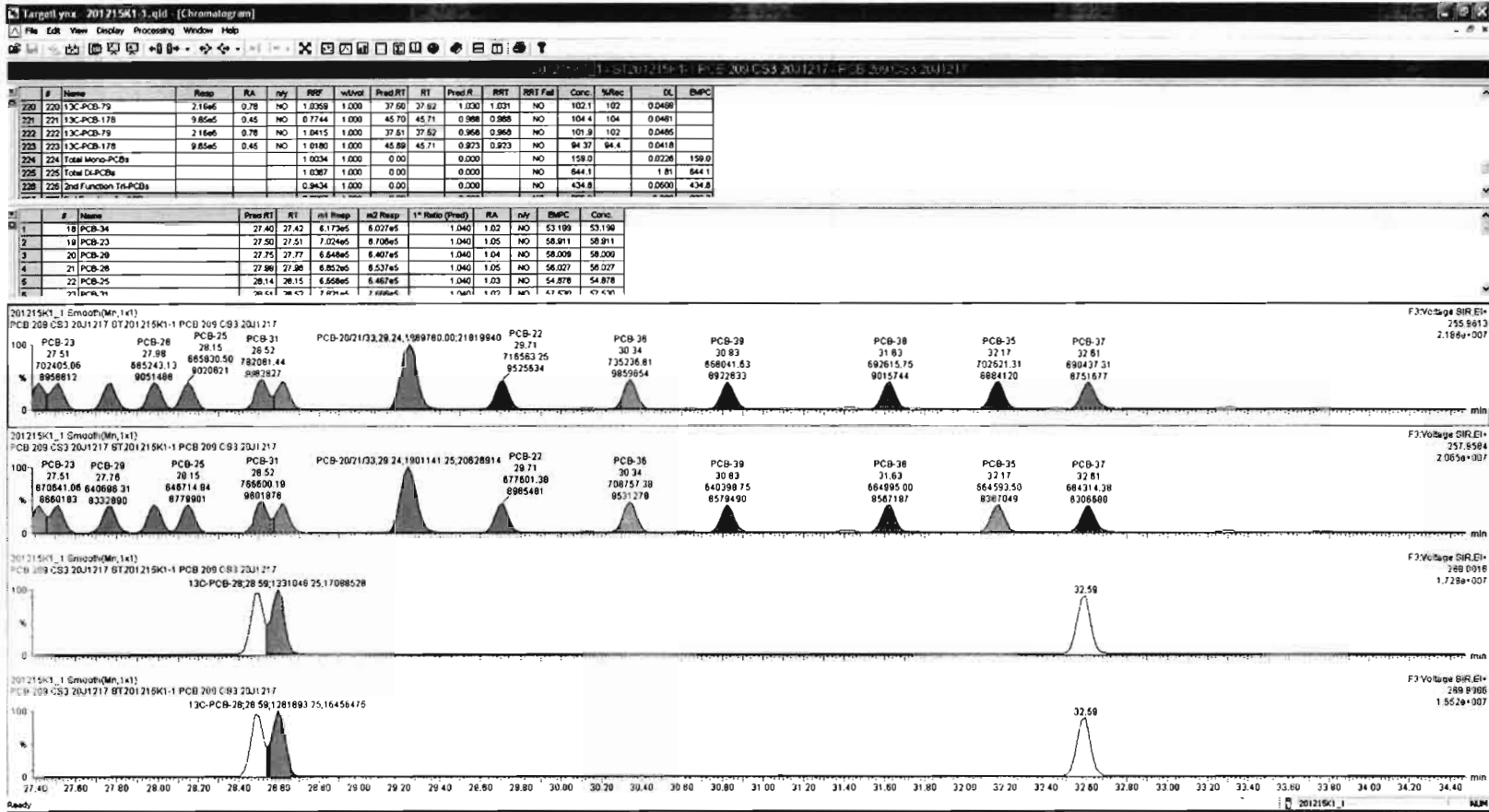


**13C-PCB-28**



**PFK3d**



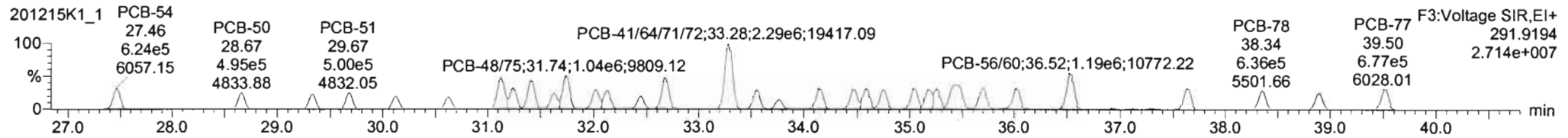
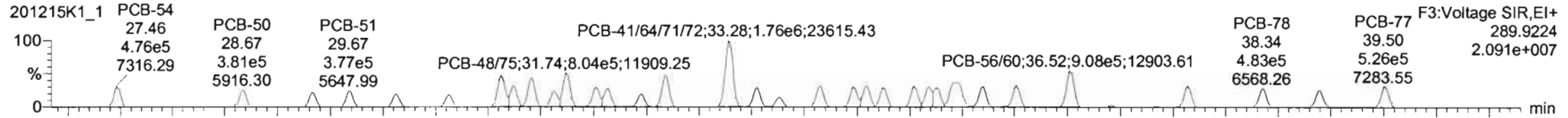


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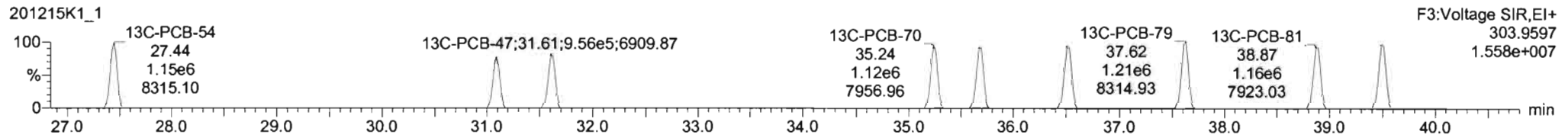
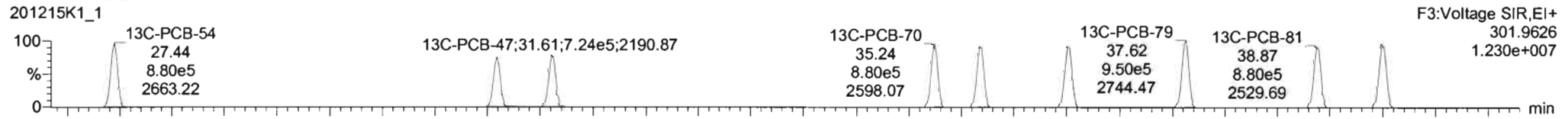
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

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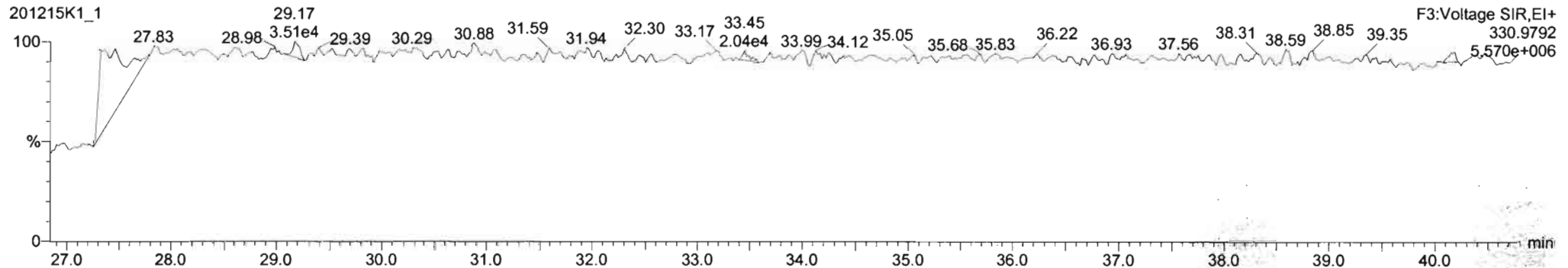
**PCB-54**



**13C-PCB-54**



**PFK3a**



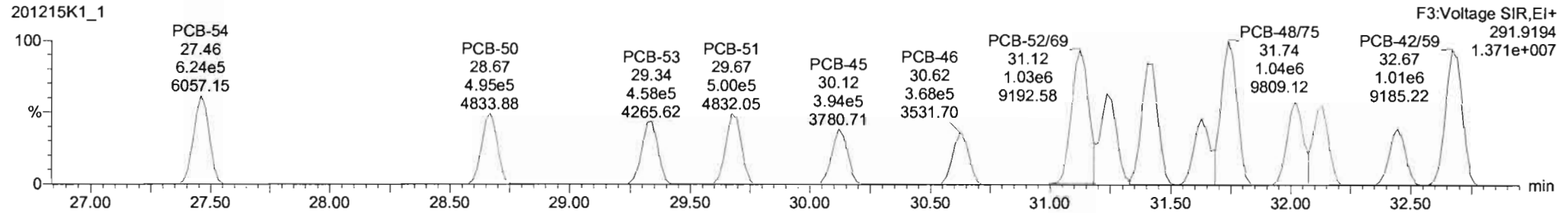
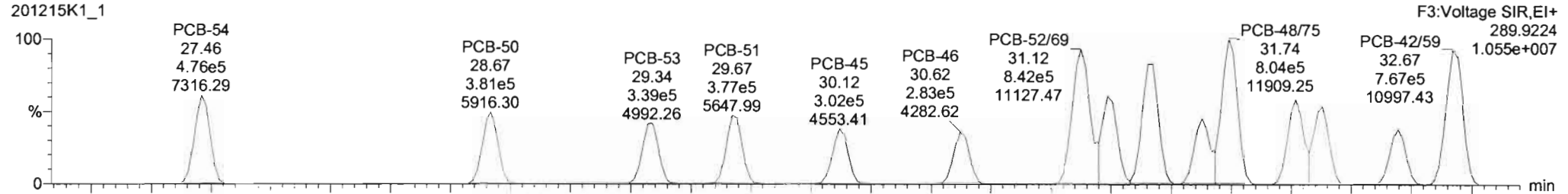


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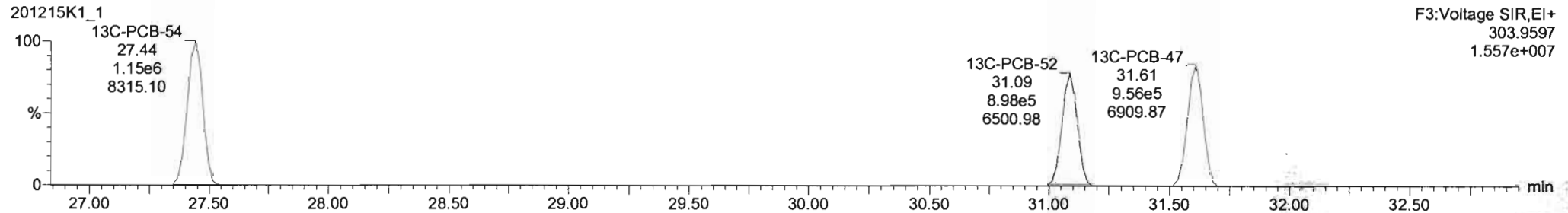
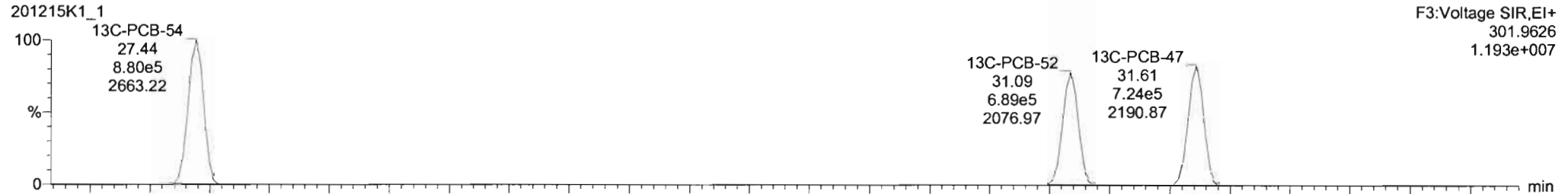
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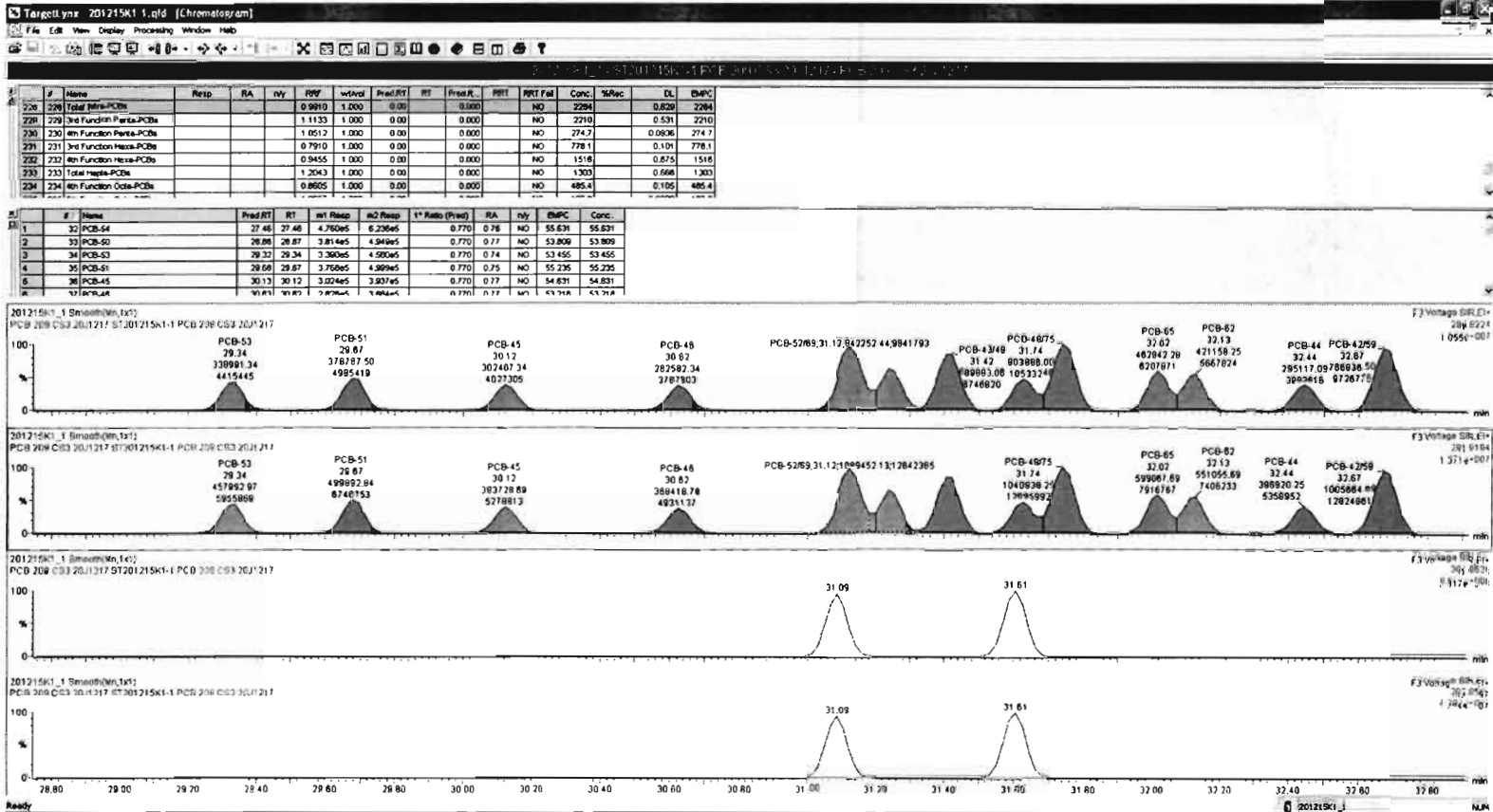
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**PCB-50**



**13C-PCB-52**





Dataset: Untitled

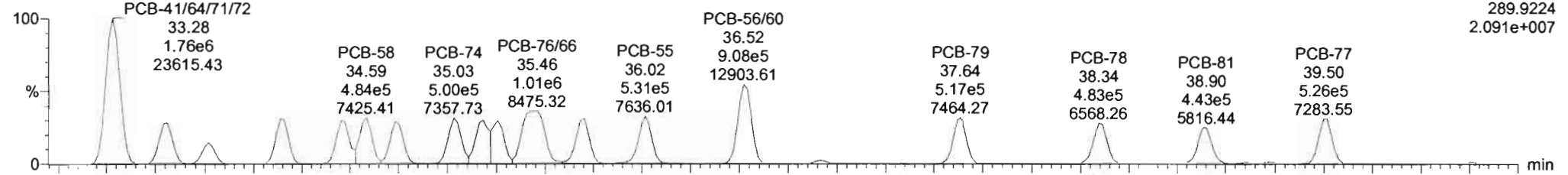
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

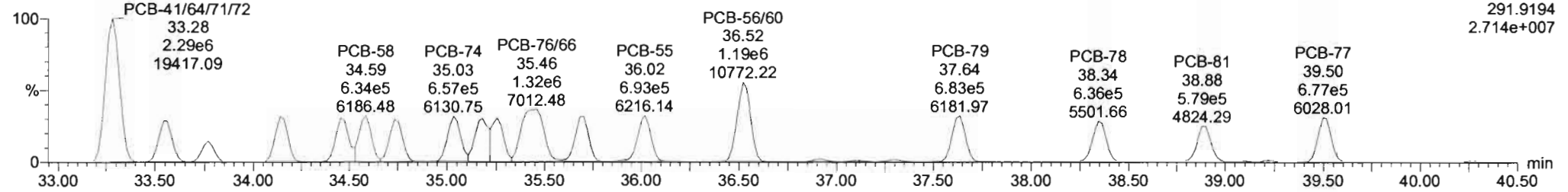
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**PCB-68**

201215K1\_1

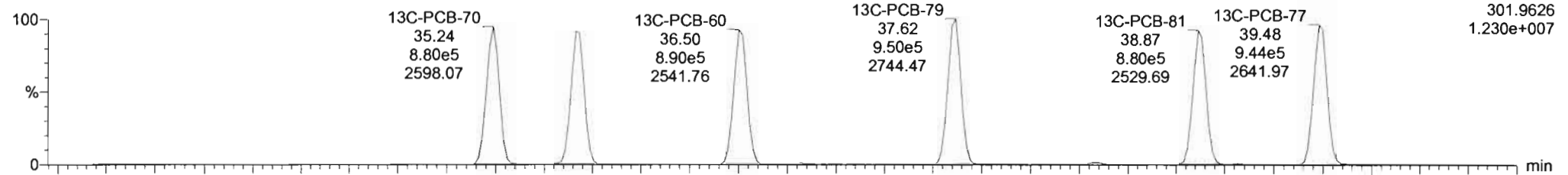


201215K1\_1

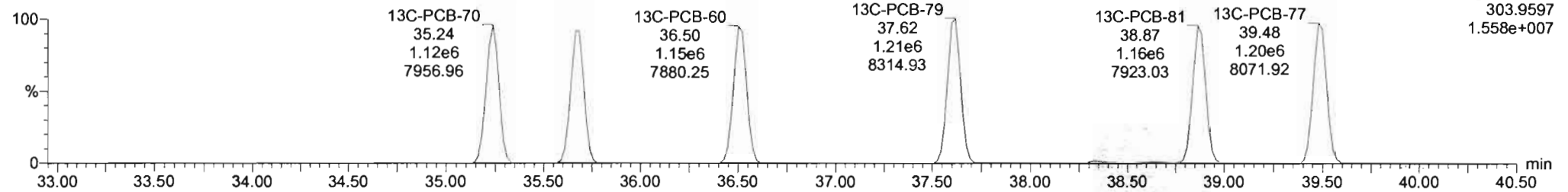


**13C-PCB-60**

201215K1\_1



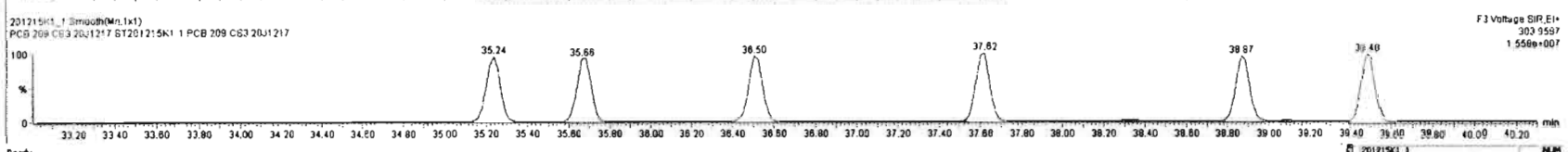
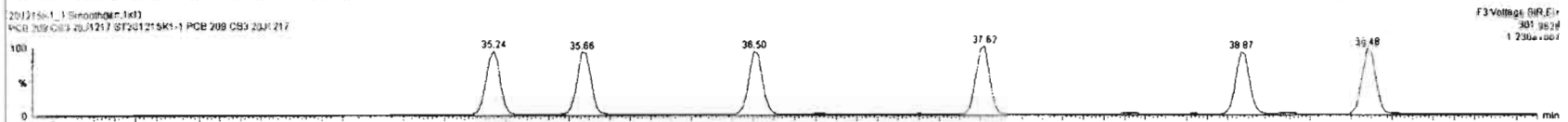
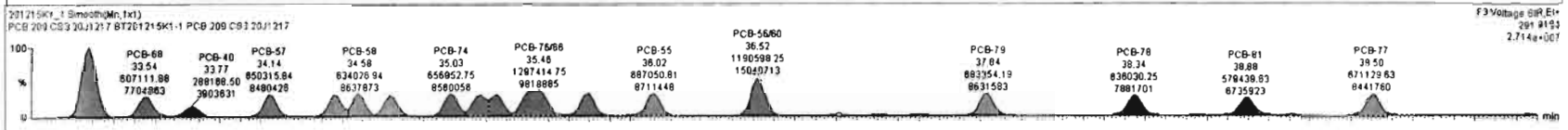
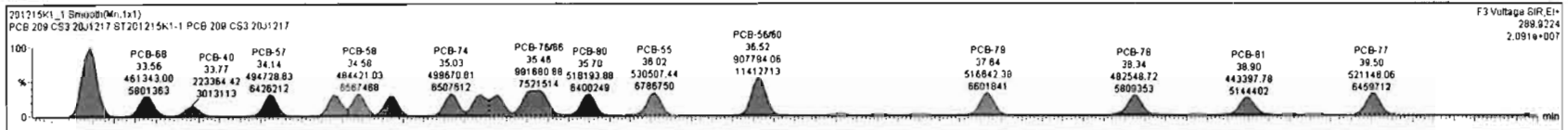
201215K1\_1



201215K1\_1 (Smooth(Mn,1x)) PCB 209 C53 20J1217 ST201215K1-1 PCB 209 C53 20J1217

#	Name	Resp	RA	nfy	RfF	wt/mol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	2284		0.629	2284
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	2210		0.531	2210
230	4th Function Penta-PCBs				1.9512	1.000	0.00		0.000		NO	374.7		0.0936	274.7
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	778.1		0.101	778.1
232	4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	1518		0.875	1518
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	1303		0.688	1303
234	4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	485.4		0.105	485.4

#	Name	Pred RT	RT	int Resp	int Resp	*Ratio (Pred)	RA	nfy	EMPC	Conc.
1	PCB-54	27.48	27.48	4.780e5	6.236e5	0.770	0.78	NO	55.831	55.831
2	PCB-50	28.66	28.67	3.814e5	4.949e5	0.770	0.77	NO	53.800	53.800
3	PCB-53	29.32	29.34	3.380e5	4.580e5	0.770	0.74	NO	53.455	53.455
4	PCB-51	29.68	29.67	3.769e5	4.999e5	0.770	0.75	NO	55.235	55.235
5	PCB-45	30.13	30.12	3.024e5	3.937e5	0.770	0.77	NO	54.631	54.631
6	PCB-48	30.67	30.67	2.826e5	3.686e5	0.770	0.77	NO	51.918	51.918



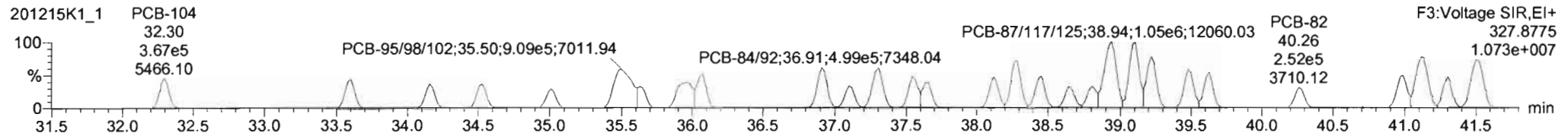
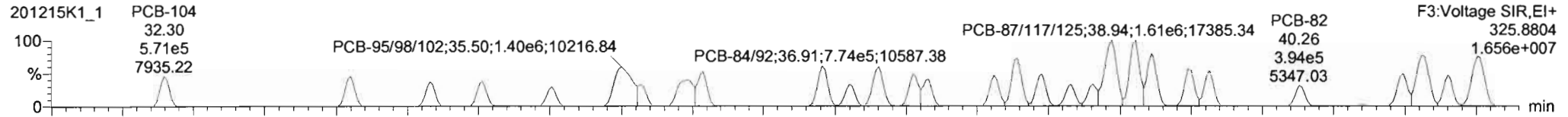
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Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

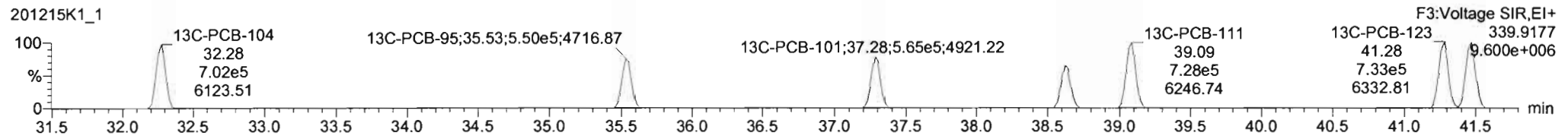
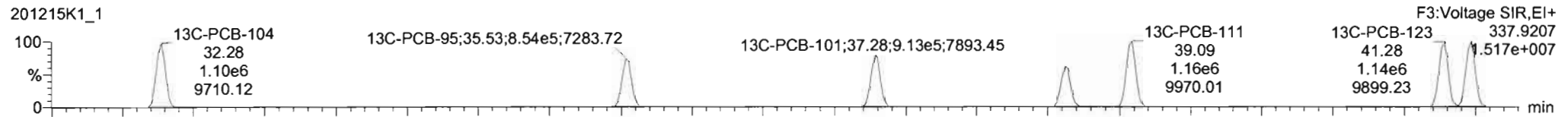
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

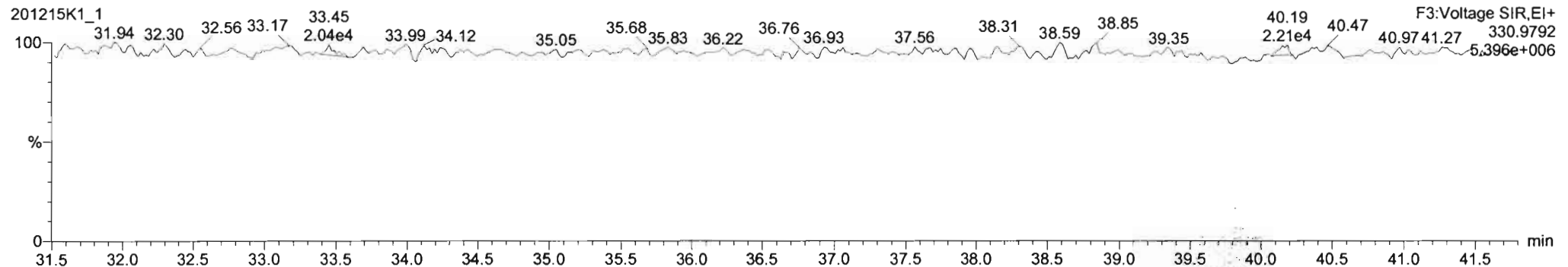
**PCB-104**



**13C-PCB-104**



**PFK3b**



Dataset: Untitled

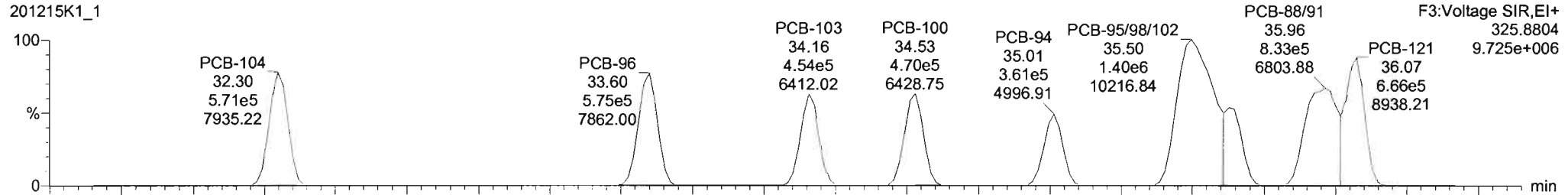
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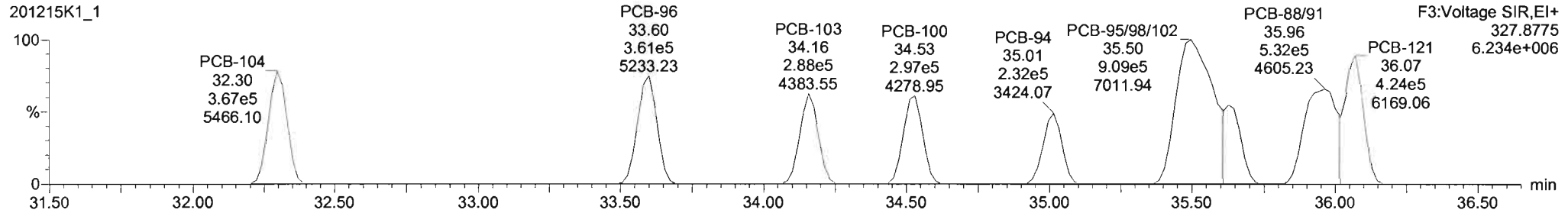
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**PCB-96**

201215K1\_1

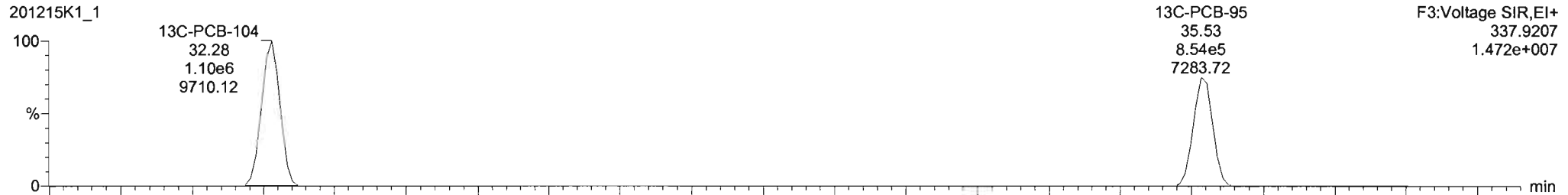


201215K1\_1

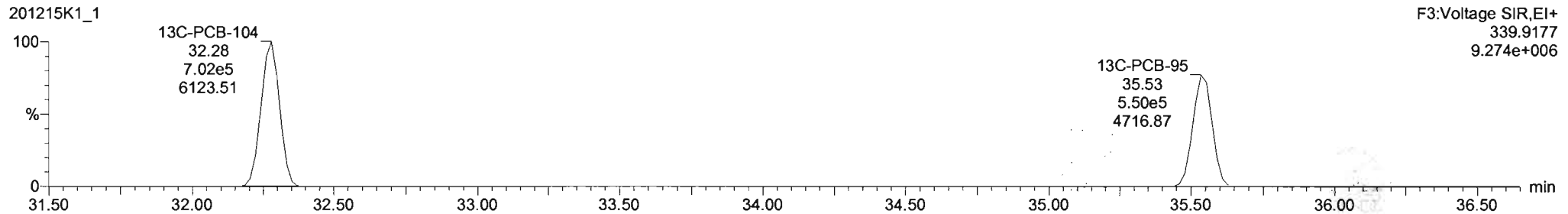


**13C-PCB-95**

201215K1\_1



201215K1\_1



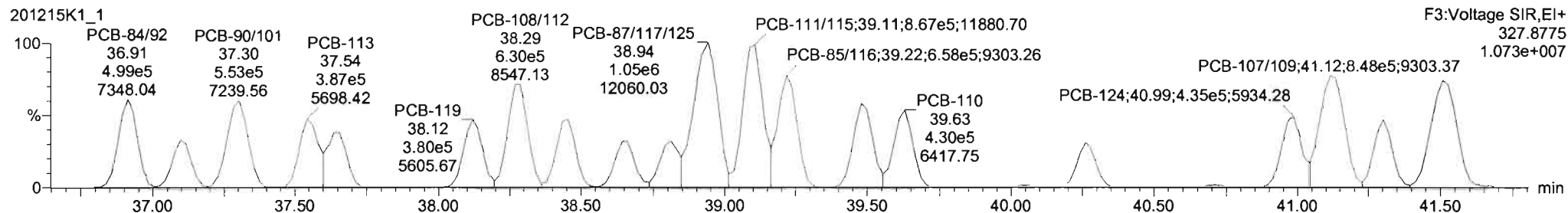
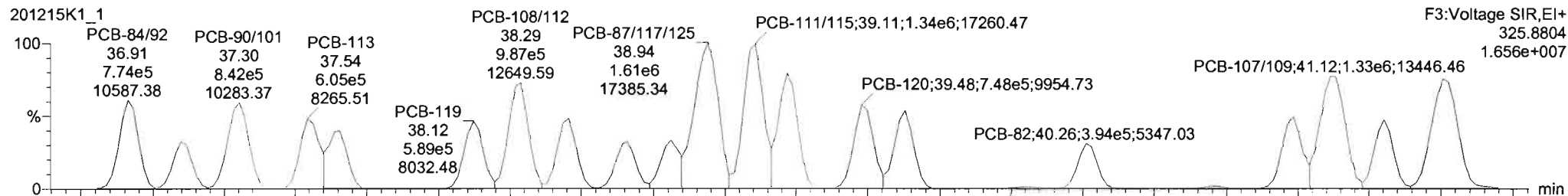
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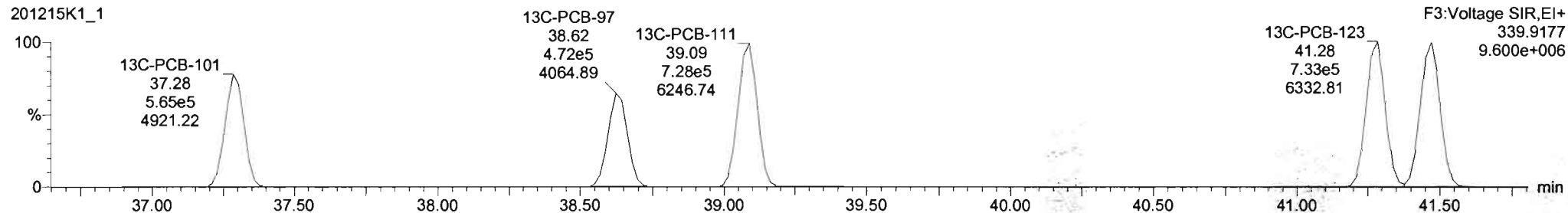
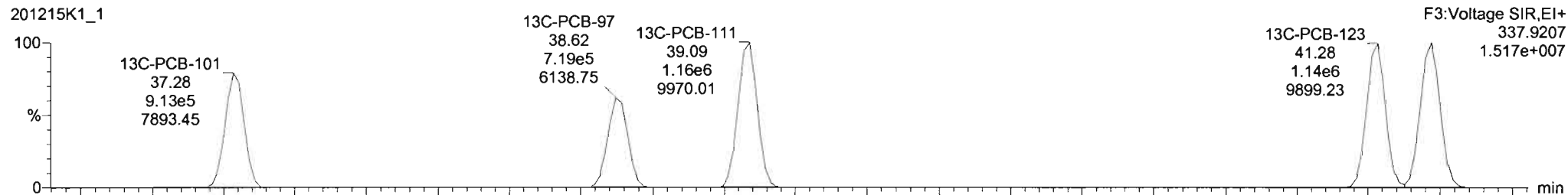
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**PCB-119**

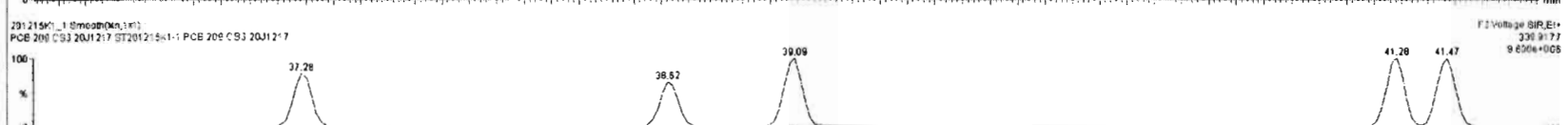
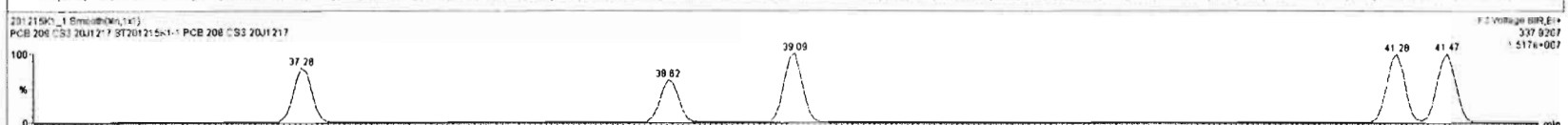
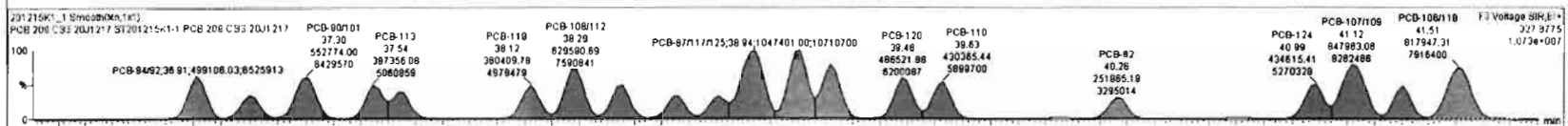
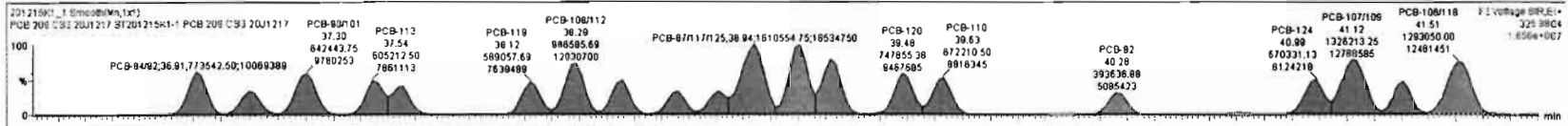


**13C-PCB-111**



#	Name	Resp	RA	n/y	RFV	wfwd	Pred.RT	RT	Pred.R	RET	RET Fal	Conc.	%Rec	DL	EMPC
228	228 Total Tetra-PCBs				0.8910	1.000	0.00		0.000		NO	2284		0.629	2284
229	229 2nd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	2210		0.531	2210
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	274.7		0.0938	274.7
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	778.1		0.101	778.1
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	1516		0.875	1516
233	233 Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	1303		0.688	1303
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	485.4		0.105	485.4

#	Name	Pred.RT	RT	act Resp	mg Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.30	32.30	5.709e5	3.566e5	1.560	1.56	NO	52.922	52.922
2	65 PCB-96	33.80	33.80	5.748e5	3.614e5	1.560	1.56	NO	52.800	52.800
3	66 PCB-103	34.15	34.16	4.543e5	2.865e5	1.560	1.56	NO	53.490	53.490
4	67 PCB-100	34.52	34.52	4.702e5	2.968e5	1.560	1.56	NO	52.825	52.825
5	68 PCB-94	34.80	35.01	3.613e5	2.316e5	1.560	1.56	NO	50.855	50.855
6	69 PCB-96/98/99	35.01	35.01	3.613e5	2.316e5	1.560	1.56	NO	50.855	50.855





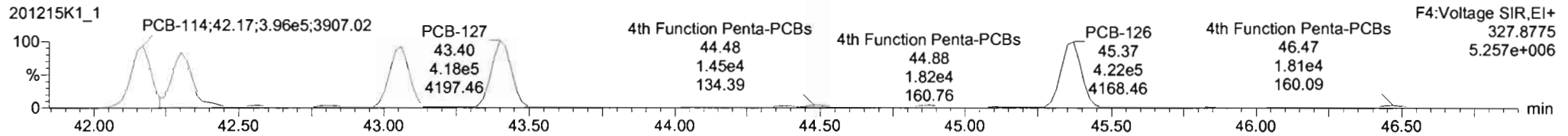
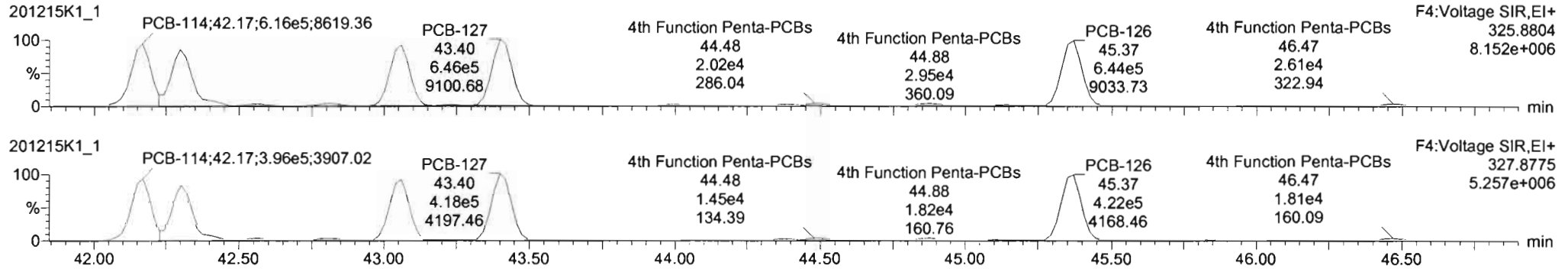
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Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

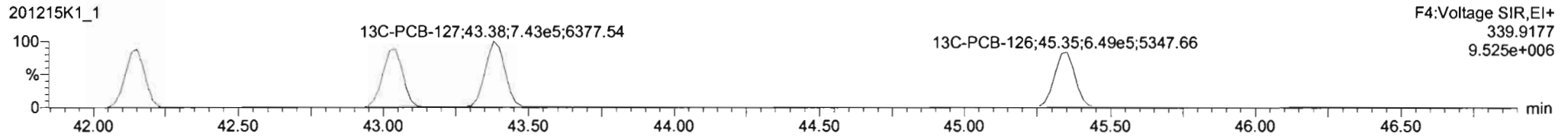
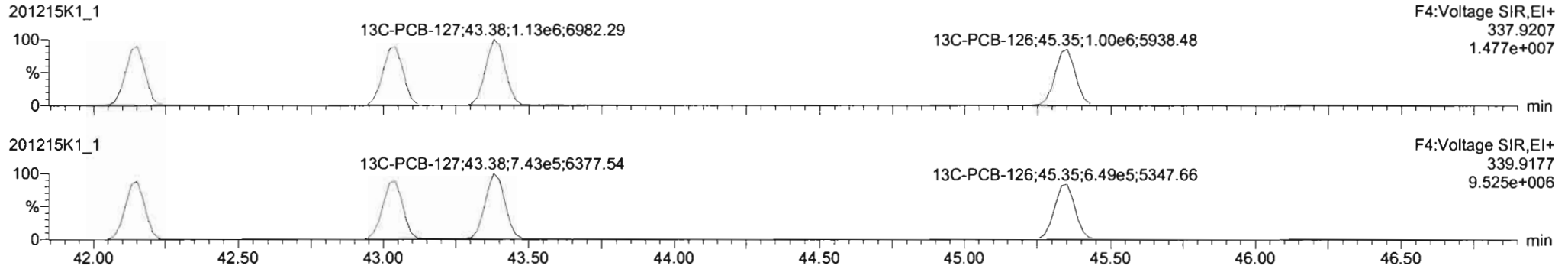
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Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

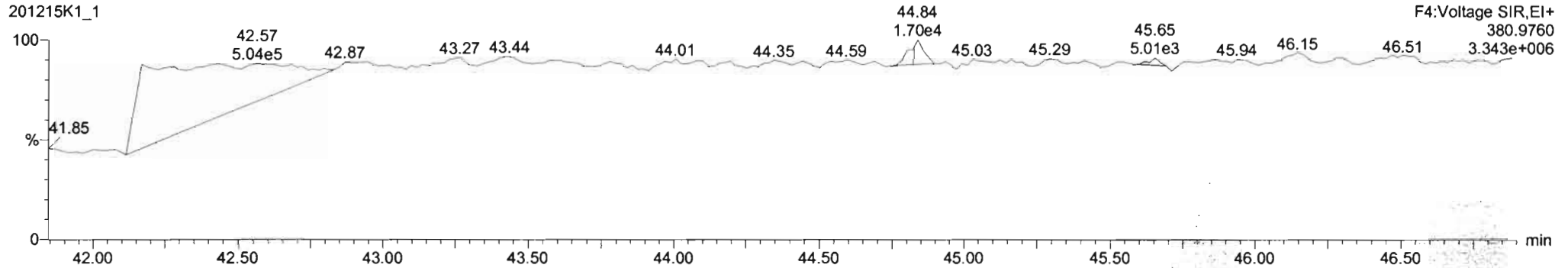
**PCB-114**

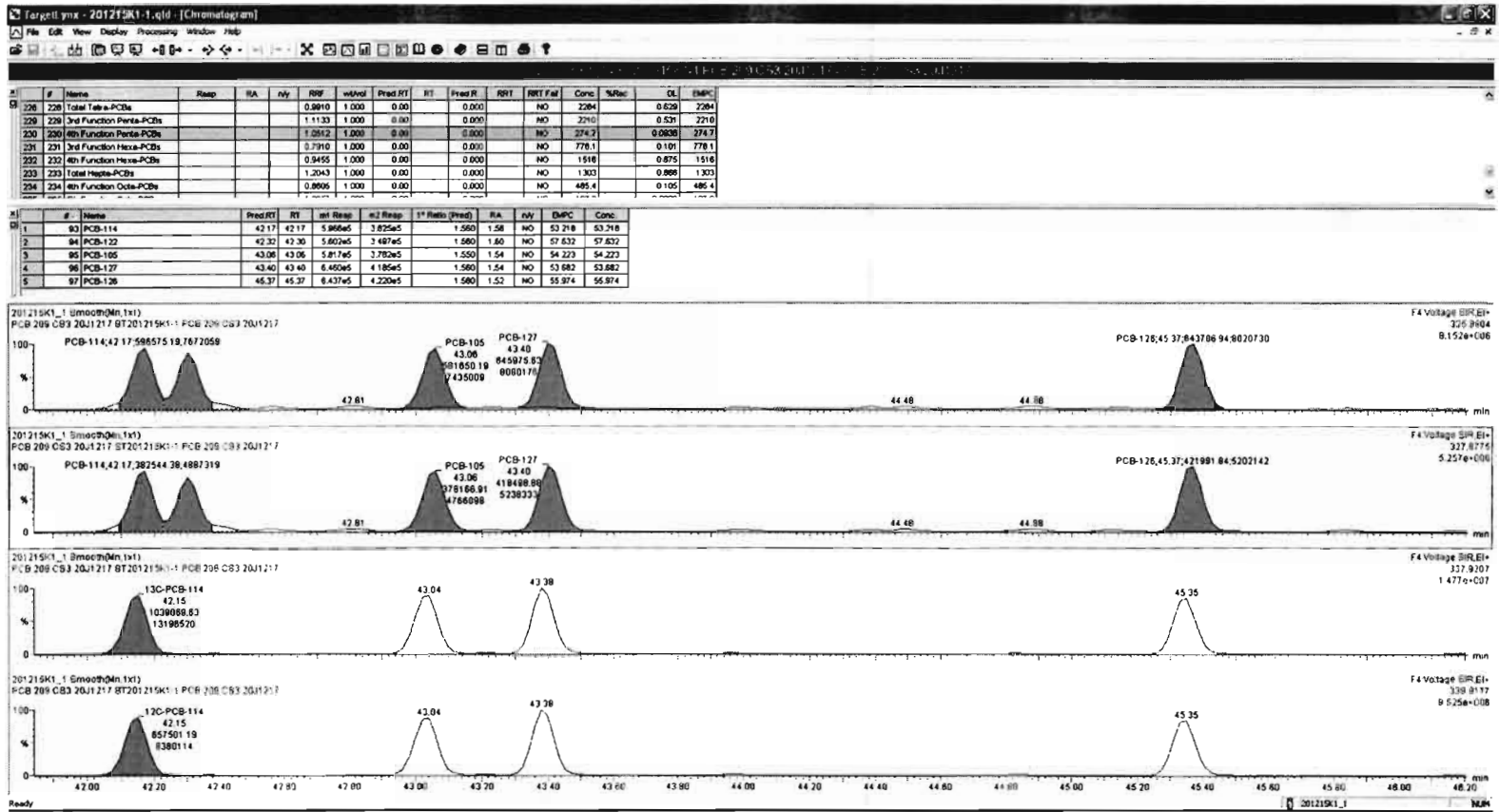


**13C-PCB-114**



**PFK4a**



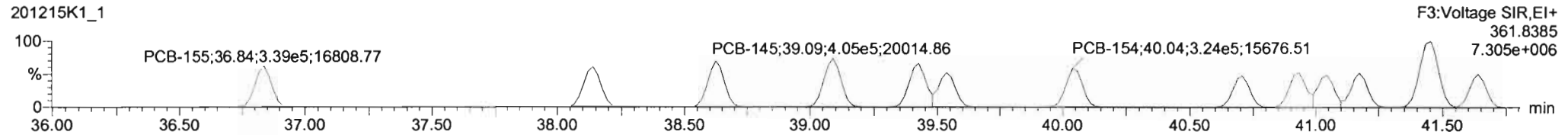
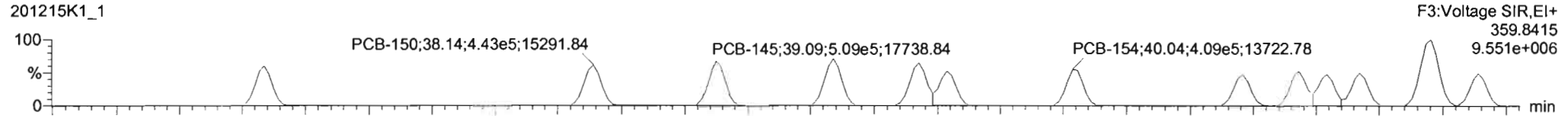


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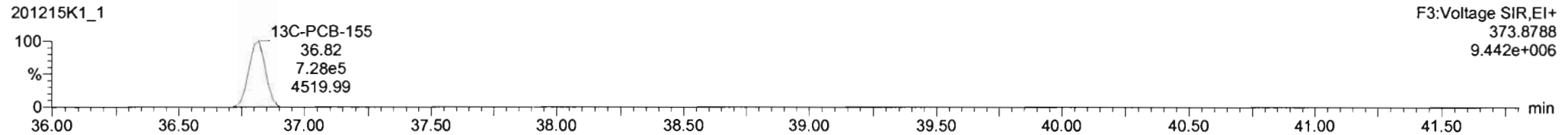
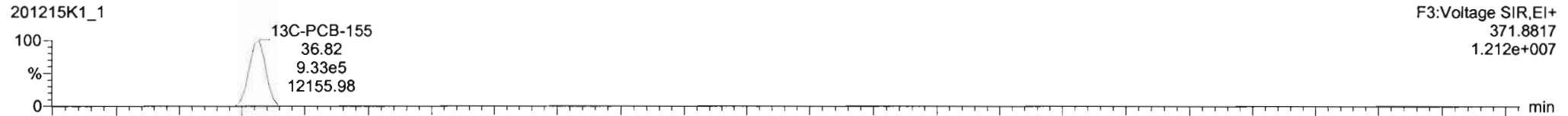
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

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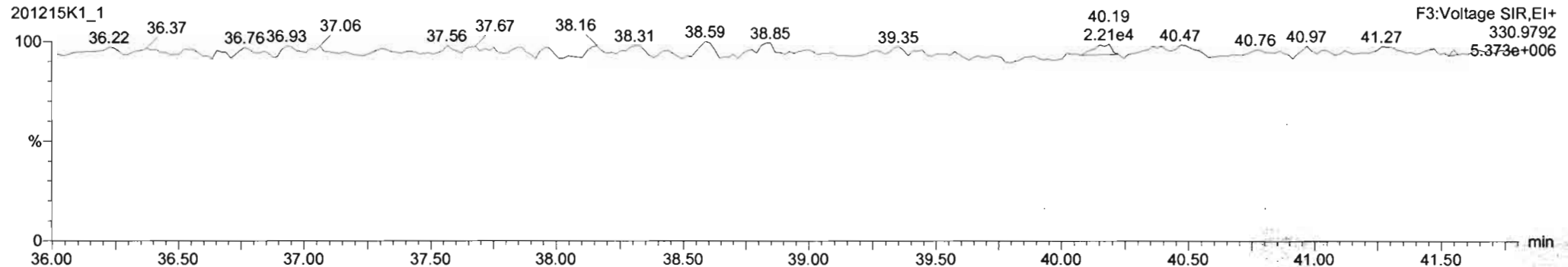
**PCB-155**



**13C-PCB-155**



**PFK3c**

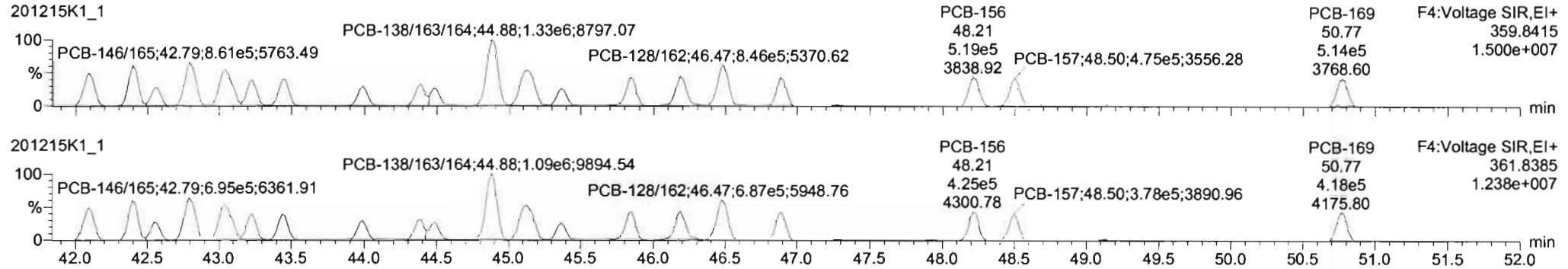


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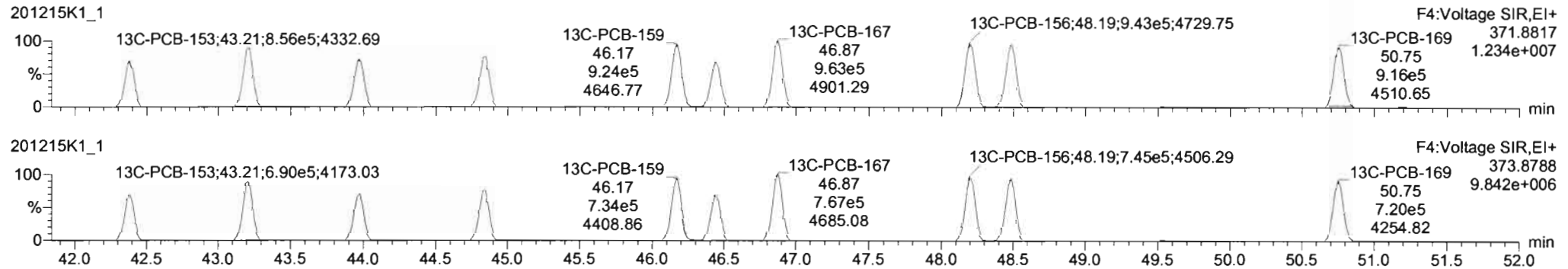
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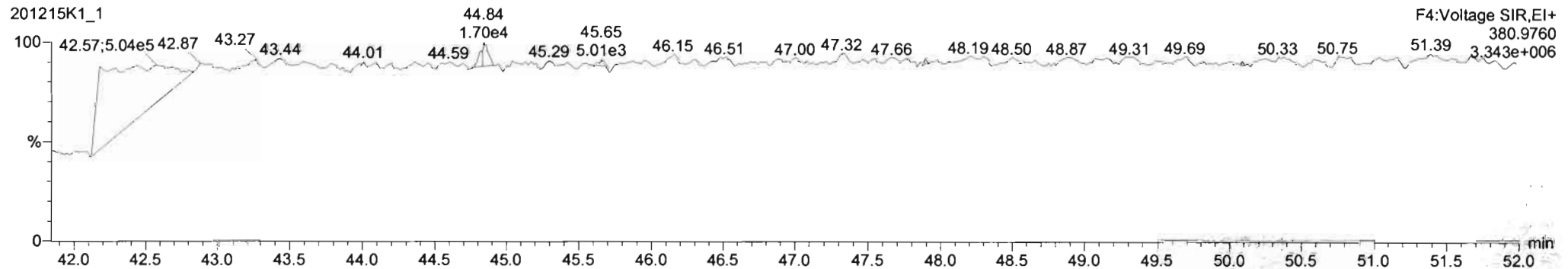
**PCB-134/143**



**13C-PCB-153**

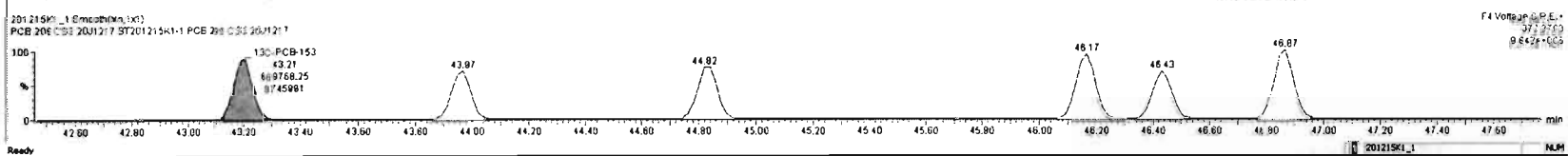
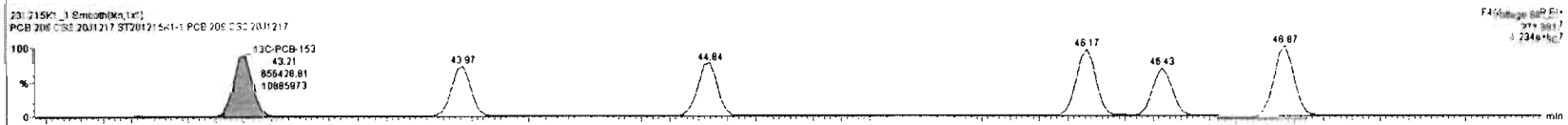
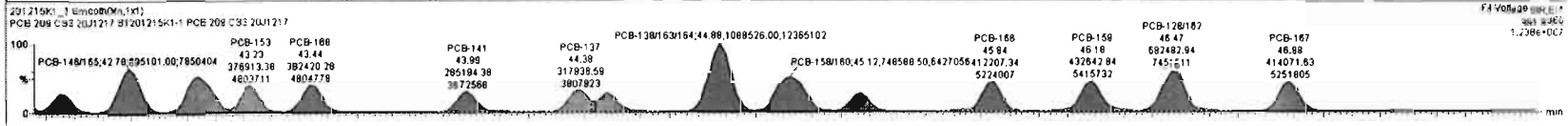
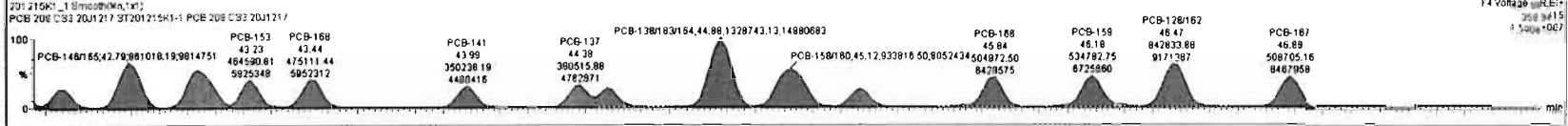


**PFK4b**



#	Name	Resp	RA	n/y	RF	wfcol	Pred.RT	RT	Pred.R	RET	RET Fail	Conc.	%Rec	DL	EMPC
228	Total Hexa-PCBs				0.9910	1.000	0.00		0.000		NO	2284	0.629	2284	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	2210	0.531	2210	
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	274.7	0.0936	274.7	
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	778.1	0.101	778.1	
232	4th Function Hexa-PCBs				0.9456	1.000	0.00		0.000		NO	1516	0.875	1516	
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	1303	0.889	1303	
234	4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	485.4	0.105	485.4	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/143	42.09	42.09	0.569e5	5.270e5	1.240	1.24	NO	108.73	108.73
2	112 PCB-131/133	42.42	42.40	7.206e5	5.734e5	1.240	1.24	NO	109.08	109.08
3	113 PCB-142	42.57	42.57	3.208e5	2.819e5	1.240	1.23	NO	54.850	54.850
4	114 PCB-146/185	42.89	42.79	0.810e5	6.951e5	1.240	1.24	NO	109.99	109.98
5	115 PCB-132/161	43.06	43.04	8.989e5	8.989e5	1.240	1.24	NO	105.98	105.98
6	116 PCB-143	43.76	43.71	4.846e5	1.795e5	1.740	1.74	NO	64.987	64.987



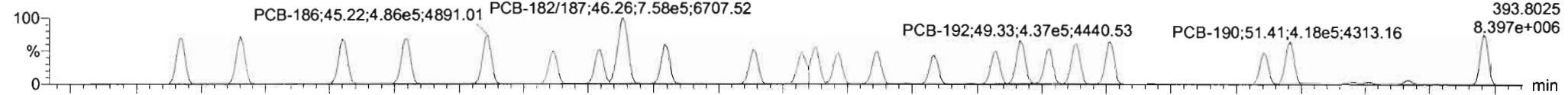
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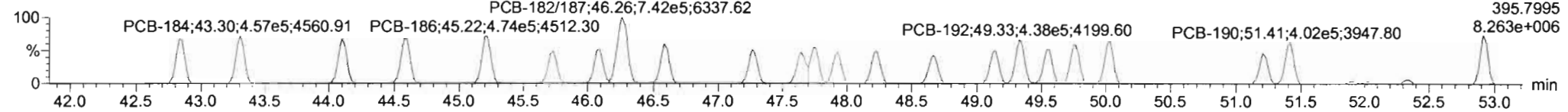
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**PCB-188**

201215K1\_1

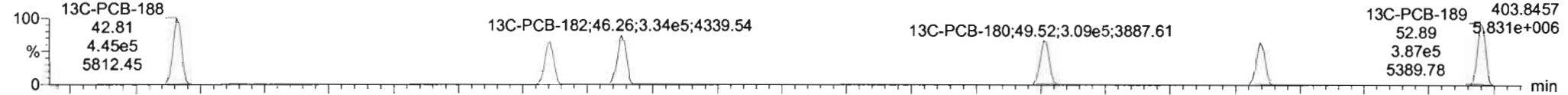


201215K1\_1

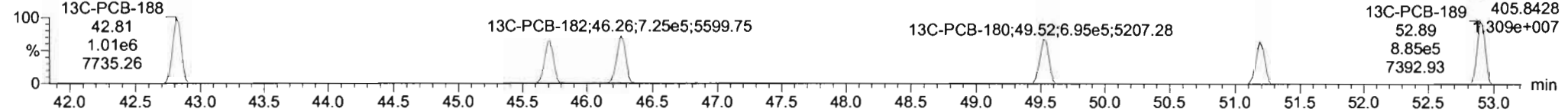


**13C-PCB-188**

201215K1\_1

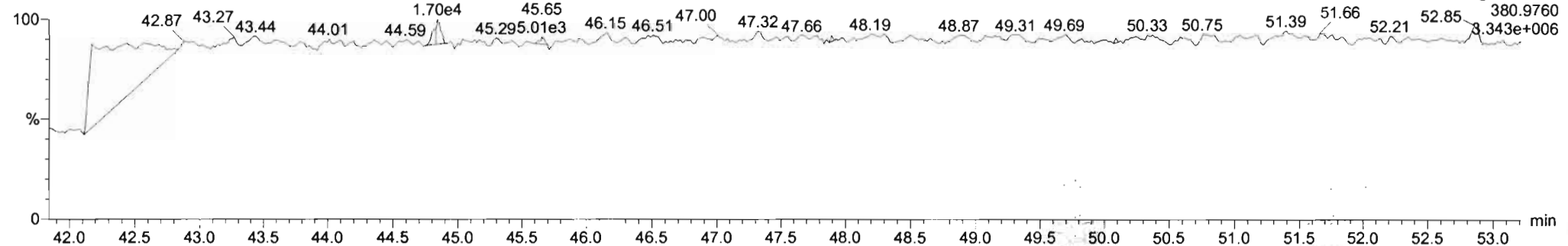


201215K1\_1



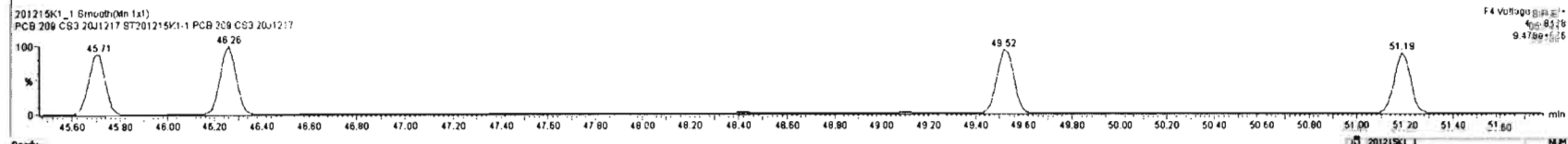
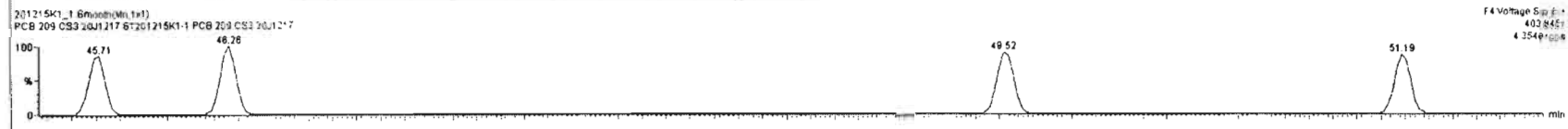
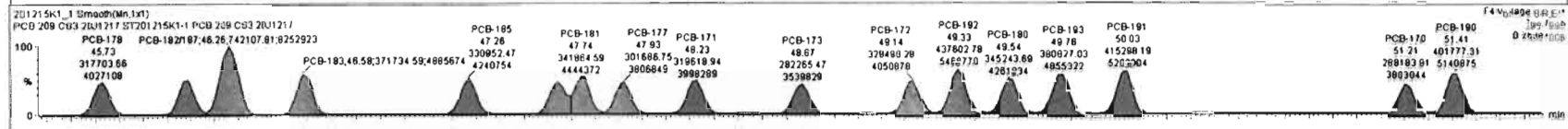
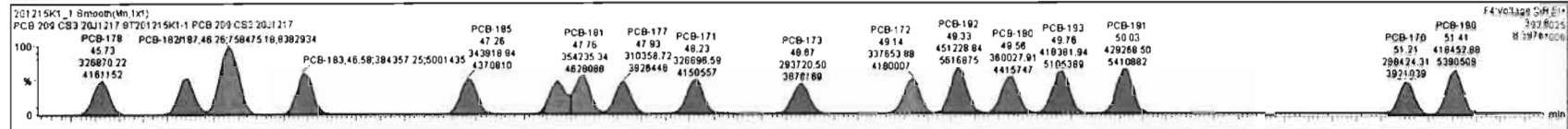
**PFK4c**

201215K1\_1



#	Name	Resp	RA	nV	RRF	Vol/Vol	Pred RT	RT	Pred R	RR1	RR1 Flat	Conc.	%Rec	DL	EMPC
228	Total Tetra-PCBs				0.9910	1.000	0.00		0.000						
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	2294		0.829	2294
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	274.7		0.0926	274.7
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	778.1		0.101	778.1
232	4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	1516		0.875	1516
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	1503		0.880	1503
234	4th Function Octa-PCBs				0.8905	1.000	0.00		0.000		NO	485.4		0.105	485.4

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nV	EMPC	Conc.
1	PCB-188	42.85	42.83	4.815e5	4.417e5	1.050	1.04	NO	54.014	54.014
2	PCB-184	43.30	43.31	4.679e5	4.574e5	1.050	1.02	NO	55.820	55.820
3	PCB-179	44.10	44.10	4.482e5	4.319e5	1.050	1.04	NO	56.320	56.320
4	PCB-176	44.57	44.58	4.577e5	4.460e5	1.050	1.03	NO	55.835	55.835
5	PCB-186	45.20	45.22	4.858e5	4.742e5	1.050	1.02	NO	53.619	53.619
6	PCB-178	45.73	45.71	4.769e5	4.177e5	1.060	1.01	NO	53.360	53.360



Dataset: Untitled

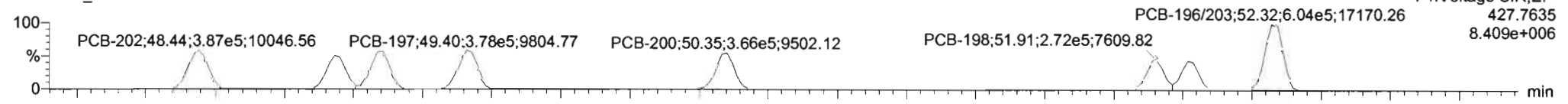
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Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

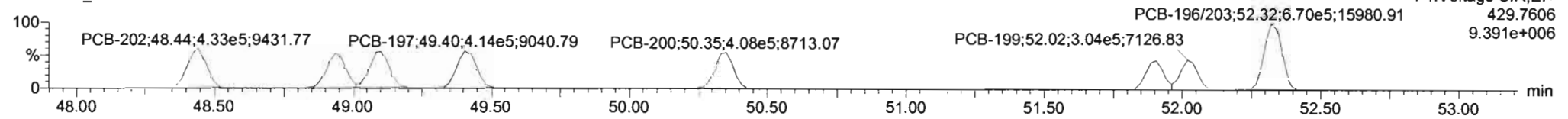
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**PCB-202**

201215K1\_1

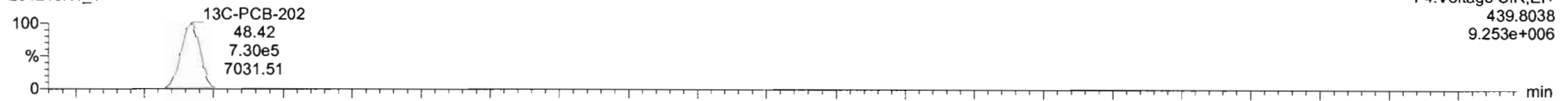


201215K1\_1

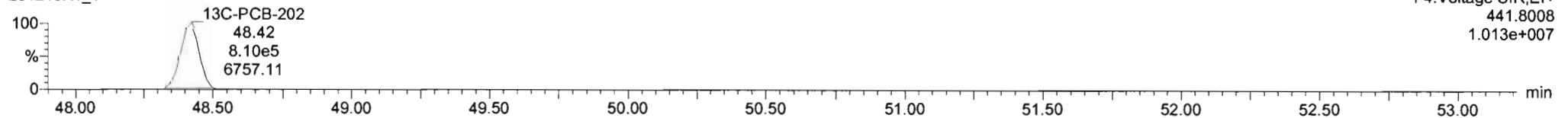


**13C-PCB-202**

201215K1\_1

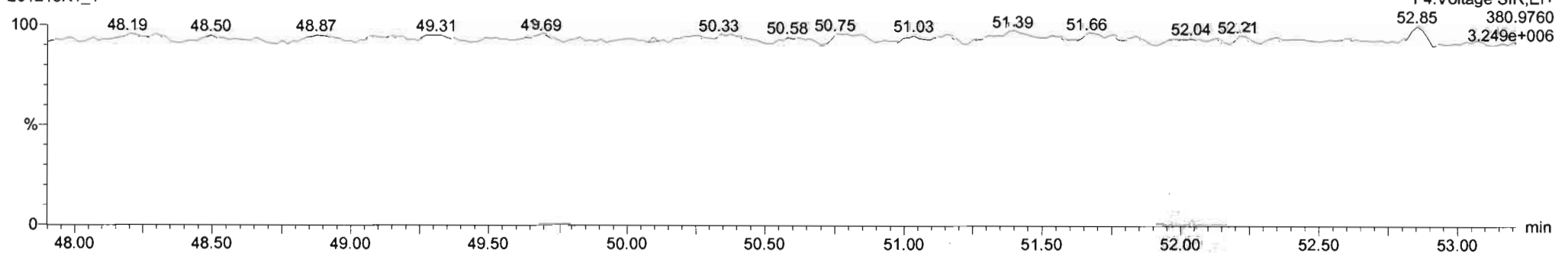


201215K1\_1



**PFK4d**

201215K1\_1





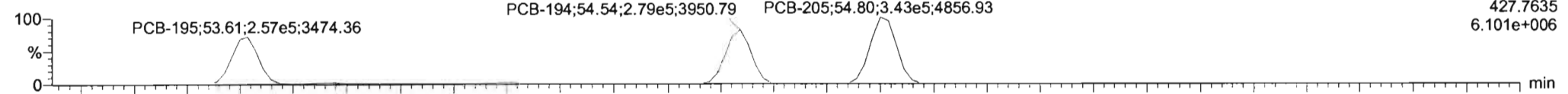
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Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

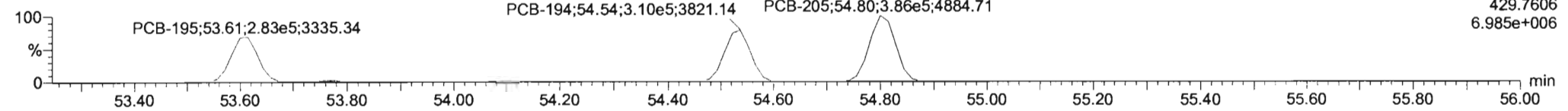
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**PCB-195**

201215K1\_1

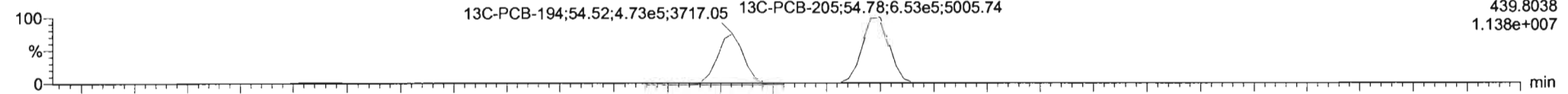


201215K1\_1

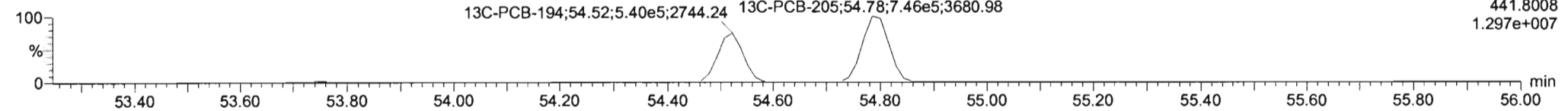


**13C-PCB-194**

201215K1\_1

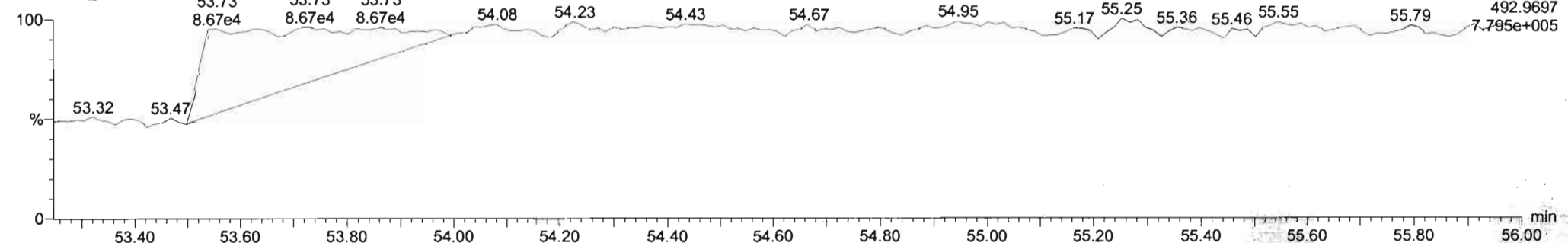


201215K1\_1



**PFK5a**

201215K1\_1



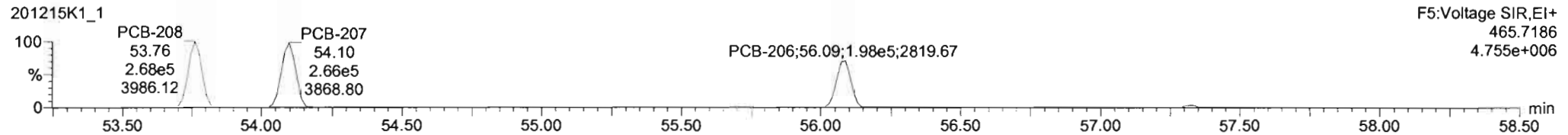
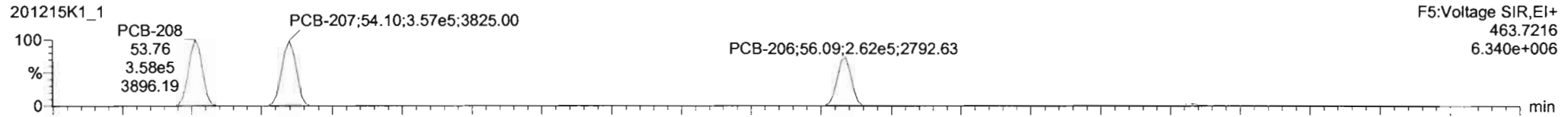
Dataset: Untitled

Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

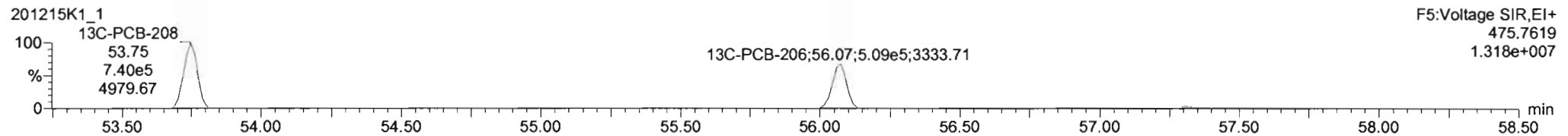
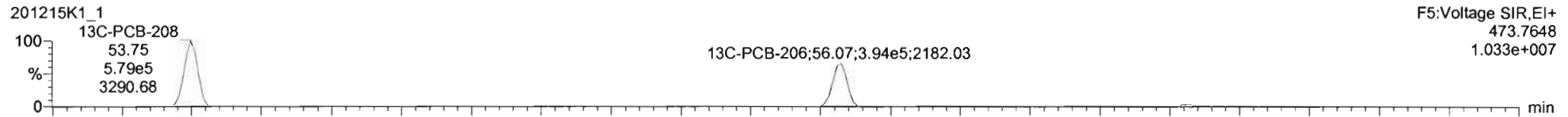
Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

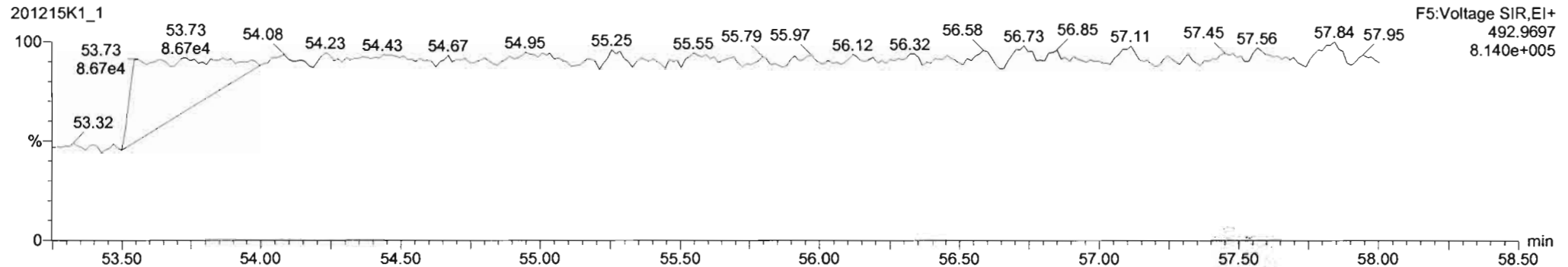
**PCB-208**



**13C-PCB-208**



**PFK5**



Dataset: Untitled

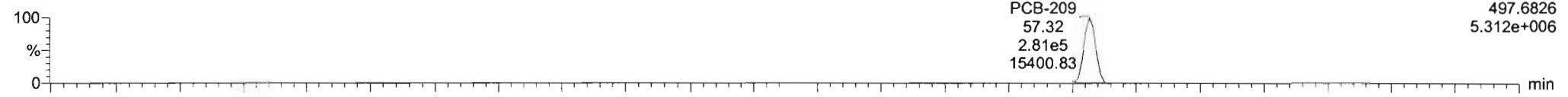
Last Altered: Wednesday, December 16, 2020 06:51:45 Pacific Standard Time

Printed: Wednesday, December 16, 2020 06:54:19 Pacific Standard Time

Name: 201215K1\_1, Date: 15-Dec-2020, Time: 16:19:53, ID: ST201215K1-1 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

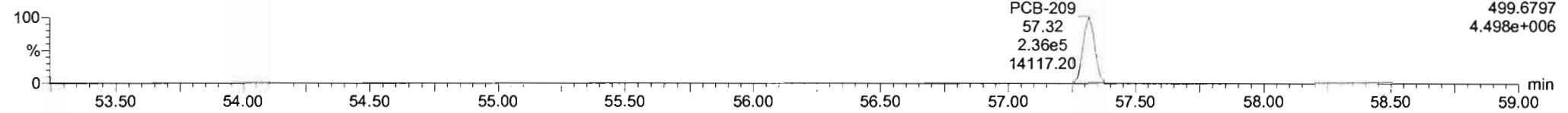
**PCB-209**

201215K1\_1



F5:Voltage SIR,EI+  
497.6826  
5.312e+006

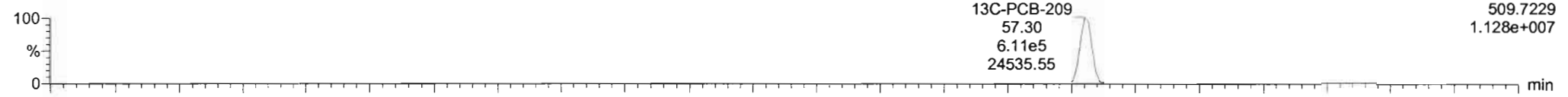
201215K1\_1



F5:Voltage SIR,EI+  
499.6797  
4.498e+006

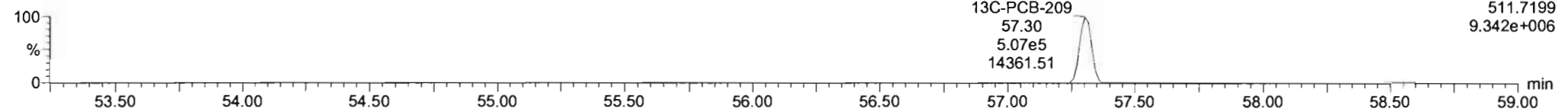
**13C-PCB-209**

201215K1\_1



F5:Voltage SIR,EI+  
509.7229  
1.128e+007

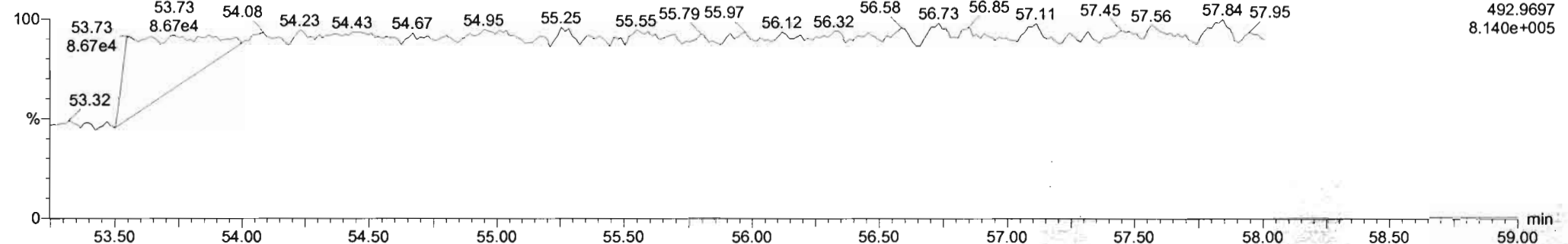
201215K1\_1



F5:Voltage SIR,EI+  
511.7199  
9.342e+006

**PFK5b**

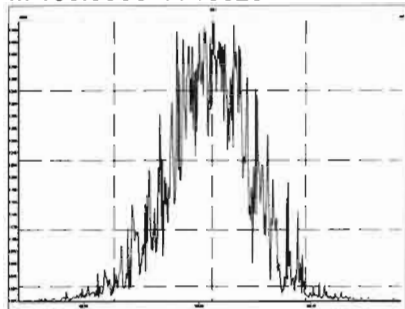
201215K1\_1



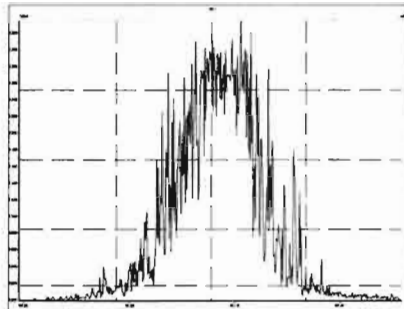
F5:Voltage SIR,EI+  
492.9697  
8.140e+005

Printed: Wednesday, December 16, 2020 04:30:33 Pacific Standard Time

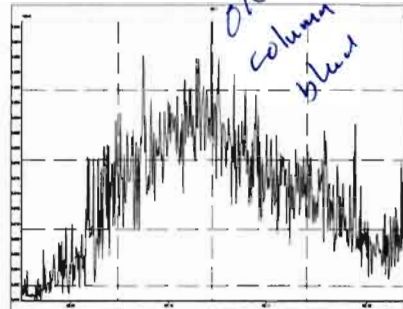
M 168.9888 R 13328



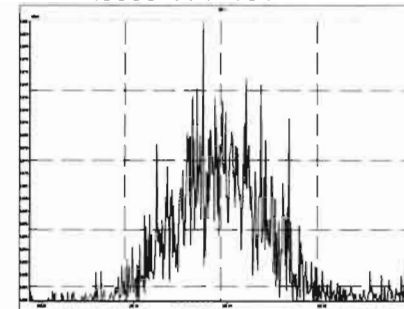
M 180.9888 R 11917



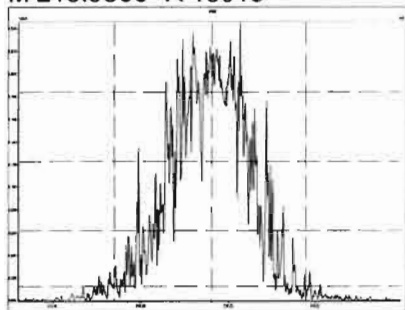
M 192.9888 R 0



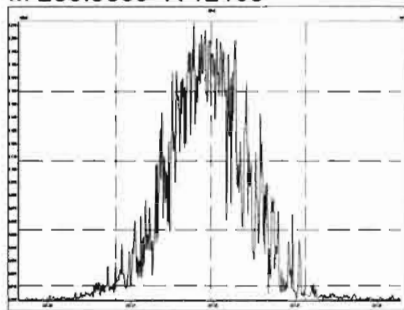
M 204.9888 R 14131



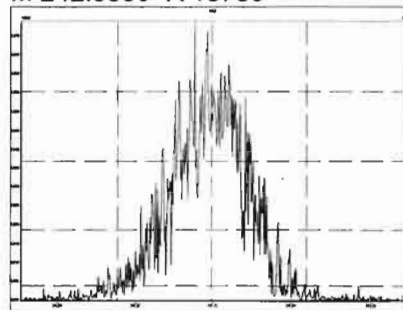
M 218.9856 R 13018



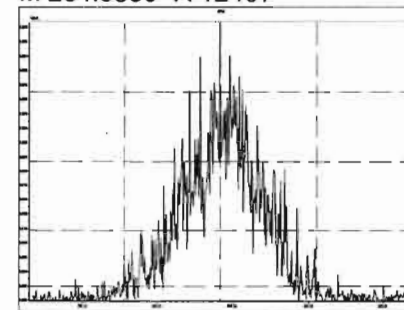
M 230.9856 R 12168



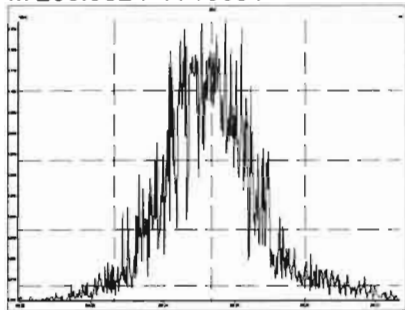
M 242.9856 R 13736



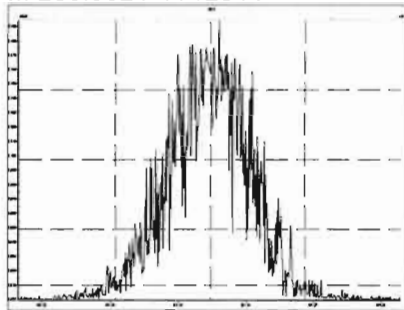
M 254.9856 R 12407



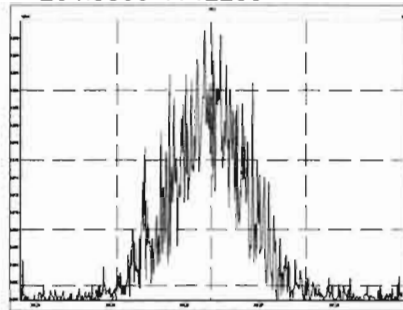
M 268.9824 R 10684



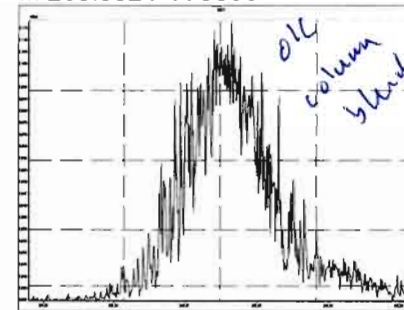
M 280.9824 R 12544



M 254.9856 R 12290

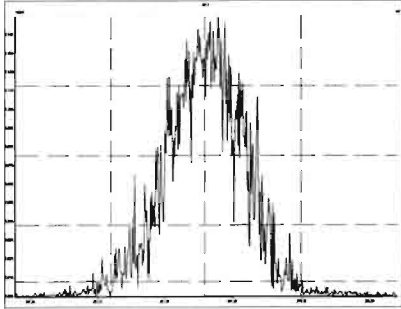


M 268.9824 R 9366

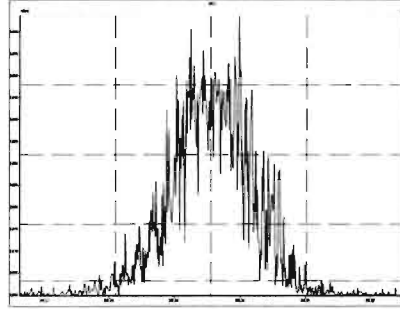


Printed: Wednesday, December 16, 2020 04:30:33 Pacific Standard Time

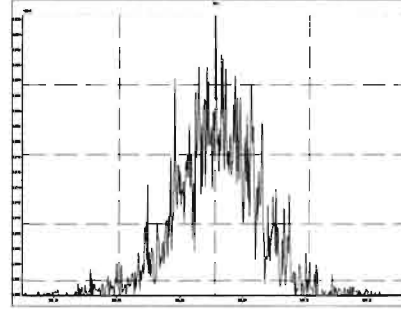
M 280.9824 R 13899



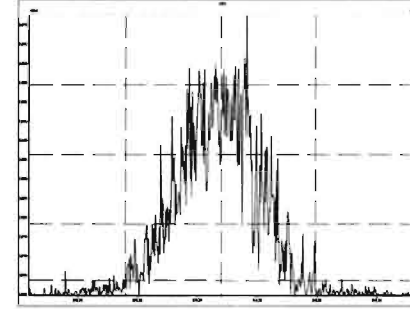
M 292.9824 R 11796



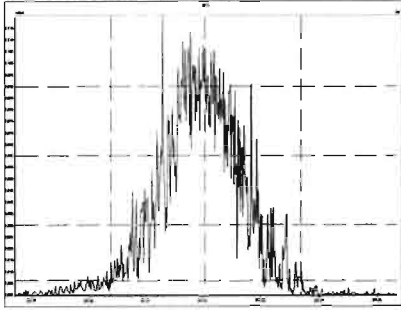
M 304.9824 R 13497



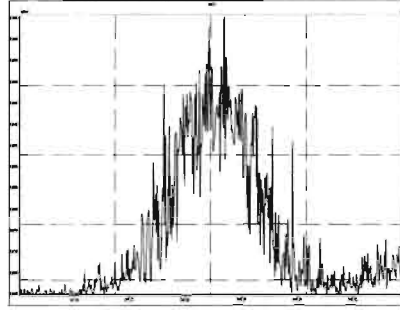
M 318.9792 R 13375



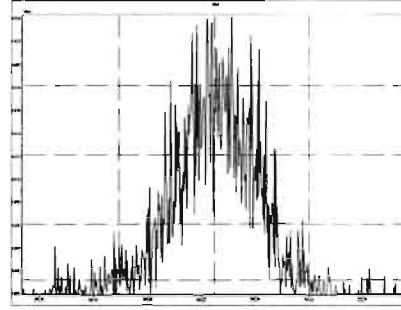
M 330.9792 R 12140



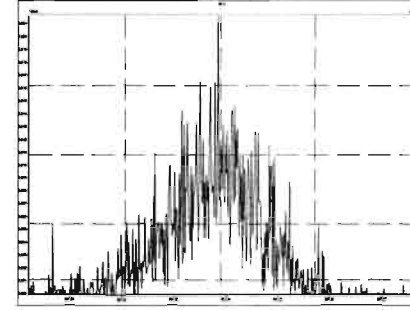
M 342.9792 R 12434



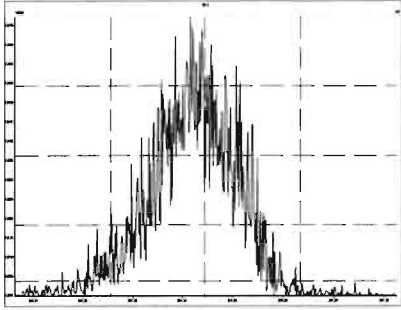
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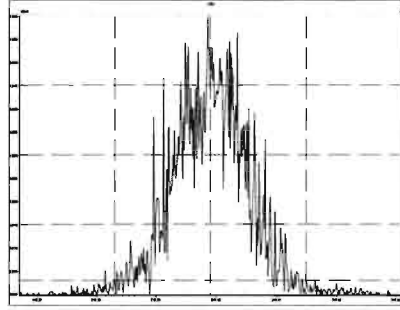
M 366.9792 R 18903



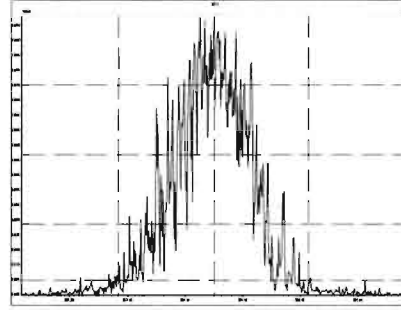
M 380.9760 R 12066



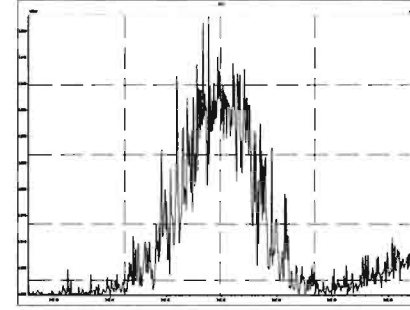
M 318.9792 R 14795



M 330.9792 R 13033

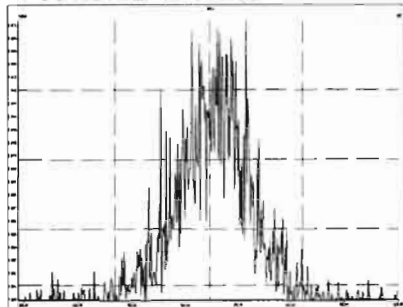


M 342.9792 R 15803

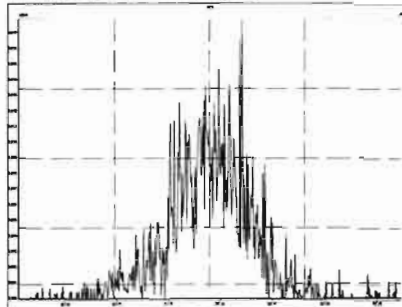


Printed: Wednesday, December 16, 2020 04:30:33 Pacific Standard Time

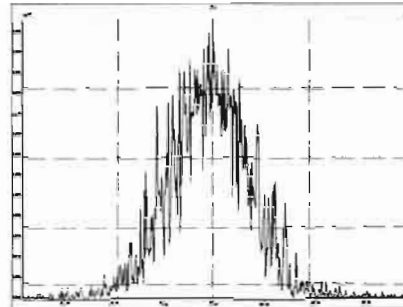
M 354.9792 R 15366



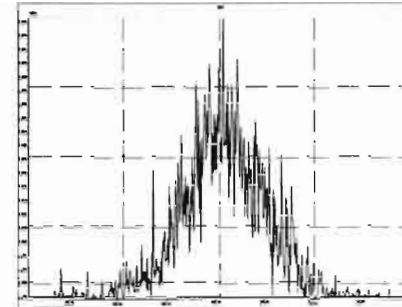
M 366.9792 R 17309



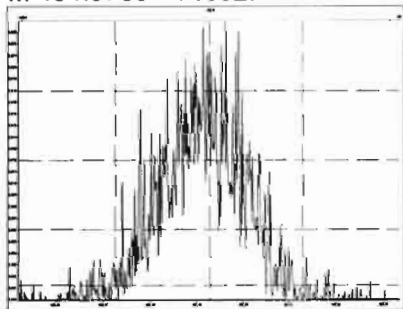
M 380.9760 R 12499



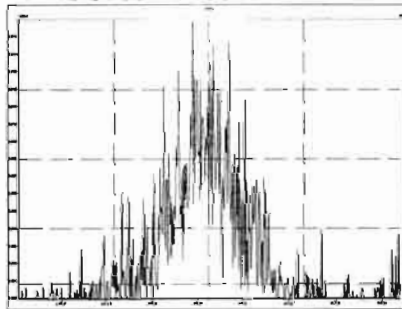
M 392.9760 R 15923



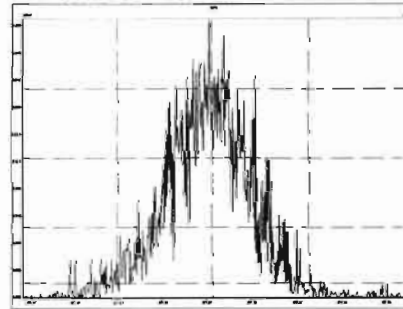
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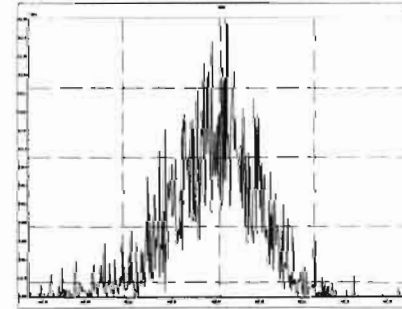
M 416.9760 R 18541



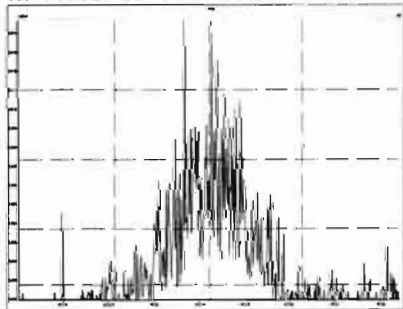
M 430.9728 R 14926



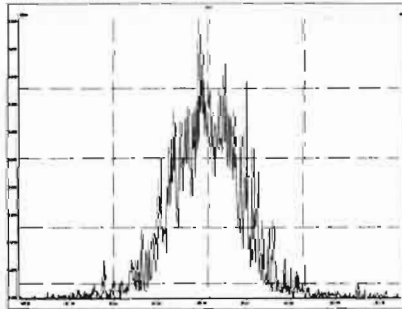
M 442.9728 R 15245



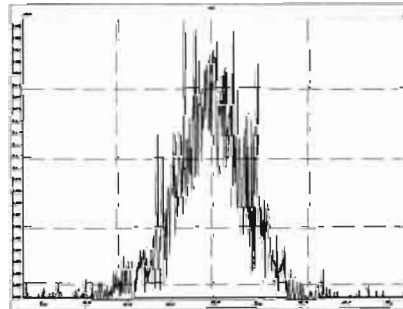
M 416.9760 R 17605



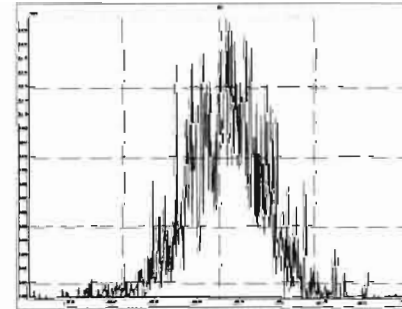
M 430.9728 R 15060



M 442.9728 R 16731

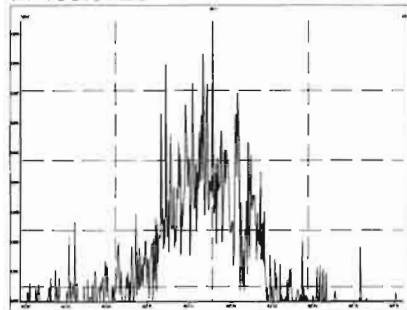


M 454.9728 R 15293

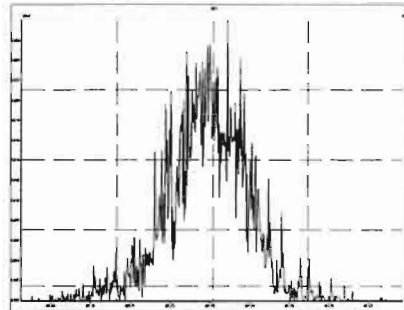


Printed: Wednesday, December 16, 2020 04:30:33 Pacific Standard Time

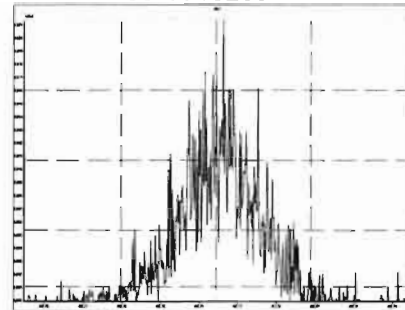
M 466.9728 R 21634



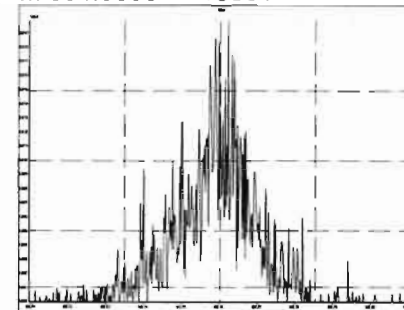
M 480.9696 R 14452



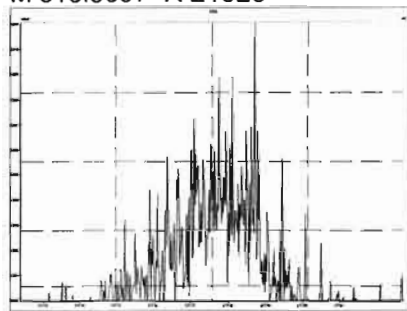
M 492.9696 R 16209



M 504.9696 R 15301



M 516.9697 R 21825



**..... CALIBRATION STANDARDS REVIEW CHECKLIST**

**Begin Calibration ID:** ST20+216D1-1

**Reviewed By:** GPB 12/18/2020  
*Initials & Date*

**End Calibration ID:** NA

	<u>Beg.</u>	<u>End</u>
<b>Ion abundance within QC limits?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
<b>Concentrations within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>TCDD/TCDF Valleys &lt;25%</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>First and last eluters present?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Retention Times within criteria?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Verification Std. named correctly?</b> (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Forms signed and dated?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<b>Correct ICAL referenced?</b>	<u>DB</u>	<u>                    </u>
<b><u>Run Log:</u></b>		
- <b>Correct Instrument listed?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> V
- <b>Samples within 12 hour clock?</b>	<u>Y</u>	N
- <b>Bottle position verified?</b>	<u>DB</u>	

	<u>Beg.</u>	<u>End</u>
<b>Mass resolution <math>\geq</math></b>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> 5k <input type="checkbox"/> 6-8K <input type="checkbox"/> 8K <input checked="" type="checkbox"/> 10K 1614   1699   429   1613/1668/8280		
<b>Intergrated peaks display correctly?</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
<b>GC Break &lt;20%</b>		<input type="checkbox"/> NA
<b><u>8280 CS1 End Standard:</u></b>		
- Ratios within limits, S/N <2.5:1, CS1 within 12 hours		<input type="checkbox"/> NA

**Comments:**



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:32:56 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:33:41 Pacific Standard Time

*DB* 12/16/20  
*GRB* 12/18/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

#	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	4.66e3	0.78	NO	1.00	1.000	26.036	26.04	1.001	1.001	9.2784	92.8 <del>78-129</del>	0.124	9.28
2	2 1,2,3,7,8-PeCDD	1.65e4	0.62	NO	0.935	1.000	30.509	30.49	1.001	1.000	47.581	95.2 <del>78-130</del>	0.281	47.6
3	3 1,2,3,4,7,8-HxCDD	1.44e4	1.27	NO	1.15	1.000	33.733	33.73	1.000	1.000	46.049	92.1 <del>78-128</del>	0.422	46.0
4	4 1,2,3,6,7,8-HxCDD	1.41e4	1.23	NO	1.02	1.000	33.833	33.87	1.000	1.001	46.173	92.3 <del>78-128</del>	0.475	46.2
5	5 1,2,3,7,8,9-HxCDD	1.43e4	1.18	NO	1.06	1.000	34.152	34.13	1.001	1.000	46.598	93.2 <del>82-122</del>	0.428	46.6
6	6 1,2,3,4,6,7,8-HpCDD	1.16e4	1.10	NO	1.00	1.000	37.553	37.55	1.000	1.000	48.063	96.1 <del>86-116</del>	0.574	48.1
7	7 OCDD	1.83e4	0.92	NO	0.952	1.000	40.702	40.71	1.000	1.000	99.148	99.1 <del>79-126</del>	0.407	99.1
8	8 2,3,7,8-TCDF	5.93e3	0.76	NO	1.01	1.000	25.388	25.38	1.001	1.001	8.7258	87.3 <del>84-120</del>	0.157	8.73
9	9 1,2,3,7,8-PeCDF	2.67e4	1.59	NO	0.998	1.000	29.301	29.30	1.001	1.001	49.835	99.7 <del>82-120</del>	0.178	49.8
10	10 2,3,4,7,8-PeCDF	2.71e4	1.61	NO	1.07	1.000	30.317	30.31	1.001	1.001	48.406	96.8 <del>82-120</del>	0.174	48.4
11	11 1,2,3,4,7,8-HxCDF	1.61e4	1.17	NO	1.05	1.000	32.812	32.83	1.000	1.001	49.312	98.6 <del>90-112</del>	5.19	49.3
12	12 1,2,3,6,7,8-HxCDF	1.84e4	1.25	NO	1.10	1.000	32.965	32.97	1.000	1.000	48.643	97.3 <del>88-114</del>	4.76	48.6
13	13 2,3,4,6,7,8-HxCDF	1.82e4	1.17	NO	1.09	1.000	33.658	33.62	1.001	1.000	47.600	95.2 <del>88-114</del>	6.00	47.6
14	14 1,2,3,7,8,9-HxCDF	1.54e4	1.22	NO	1.08	1.000	34.612	34.63	1.000	1.001	47.300	94.6 <del>90-112</del>	7.74	47.3
15	15 1,2,3,4,6,7,8-HpCDF	1.47e4	1.05	NO	1.13	1.000	36.228	36.21	1.001	1.001	47.193	94.4 <del>90-110</del>	0.563	47.2
16	16 1,2,3,4,7,8,9-HpCDF	1.18e4	0.99	NO	1.29	1.000	38.200	38.21	1.000	1.000	46.578	93.2 <del>86-116</del>	0.498	46.6
17	17 OCDF	2.14e4	0.86	NO	0.953	1.000	41.020	41.04	1.000	1.001	98.673	98.7 <del>63-159</del>	0.319	98.7
18	18 13C-2,3,7,8-TCDD	5.02e4	0.77	NO	1.17	1.000	25.943	26.00	1.026	1.028	96.029	96.0 <del>82-121</del>	0.687	
19	19 13C-1,2,3,7,8-PeCDD	3.72e4	0.65	NO	0.914	1.000	30.492	30.49	1.206	1.206	91.260	91.3 <del>62-160</del>	0.415	
20	20 13C-1,2,3,4,7,8-HxCDD	2.71e4	1.26	NO	0.634	1.000	33.728	33.72	1.014	1.014	109.90	110 <del>85-117</del>	0.584	
21	21 13C-1,2,3,6,7,8-HxCDD	2.99e4	1.20	NO	0.724	1.000	33.838	33.83	1.017	1.017	106.18	106 <del>85-118</del>	0.511	
22	22 13C-1,2,3,7,8,9-HxCDD	2.89e4	1.21	NO	0.716	1.000	34.107	34.12	1.025	1.026	103.85	104 <del>85-118</del>	0.517	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.41e4	1.01	NO	0.660	1.000	37.553	37.54	1.129	1.129	93.698	93.7 <del>72-138</del>	1.07	
24	24 13C-OCDD	3.88e4	0.89	NO	0.587	1.000	40.560	40.70	1.219	1.224	170.02	85.0 <del>48-207</del>	0.468	
25	25 13C-2,3,7,8-TCDF	6.71e4	0.76	NO	1.02	1.000	25.344	25.36	1.002	1.003	99.123	99.1 <del>71-140</del>	0.619	
26	26 13C-1,2,3,7,8-PeCDF	5.36e4	1.68	NO	0.842	1.000	29.223	29.28	1.156	1.158	96.233	96.2 <del>76-130</del>	0.697	
27	27 13C-2,3,4,7,8-PeCDF	5.21e4	1.61	NO	0.802	1.000	30.116	30.29	1.191	1.198	98.171	98.2 <del>77-130</del>	0.732	
28	28 13C-1,2,3,4,7,8-HxCDF	3.11e4	0.49	NO	1.00	1.000	32.863	32.81	0.988	0.986	79.662	79.7 <del>76-131</del>	0.818	
29	29 13C-1,2,3,6,7,8-HxCDF	3.45e4	0.51	NO	1.02	1.000	32.996	32.96	0.992	0.991	86.969	87.0 <del>70-143</del>	0.805	
30	30 13C-2,3,4,6,7,8-HxCDF	3.52e4	0.51	NO	0.955	1.000	33.565	33.62	1.009	1.011	94.892	94.9 <del>73-137</del>	0.859	
31	31 13C-1,2,3,7,8,9-HxCDF	3.01e4	0.50	NO	0.851	1.000	34.639	34.61	1.041	1.041	91.037	91.0 <del>74-135</del>	0.964	

Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:32:56 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:33:41 Pacific Standard Time

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.76e4	0.44	NO	0.848	1.000	36.156	36.19	1.087	1.088	83.576	83.6 <i>78-129</i>	0.865	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.97e4	0.43	NO	0.624	1.000	38.152	38.20	1.147	1.148	81.128	81.1 <i>77-129</i>	1.18	
34	34 13C-OCDF	4.55e4	0.88	NO	0.730	1.000	40.713	41.02	1.224	1.233	160.31	80.2 <i>48-207</i>	0.508	
35	35 37Cl-2,3,7,8-TCDD	6.05e3			1.21	1.000	25.941	26.04	1.026	1.030	11.248	112 <i>79-127</i>	0.0779	
36	36 13C-1,2,3,4-TCDD	4.45e4	0.76	NO	1.00	1.000	25.300	25.29	1.000	1.000	100.00	100	0.806	
37	37 13C-1,2,3,4-TCDF	6.62e4	0.78	NO	1.00	1.000	23.880	23.86	1.000	1.000	100.00	100	0.632	
38	38 13C-1,2,3,4,6,9-HxCDF	3.89e4	0.49	NO	1.00	1.000	33.310	33.26	1.000	1.000	100.00	100	0.820	

Dataset: Untitled

Last Altered: Wednesday, December 16, 2020 15:38:23 Pacific Standard Time

Printed: Wednesday, December 16, 2020 15:38:38 Pacific Standard Time

Method: Untitled 10 Dec 2020 12:26:49

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

#	Name	RT
1	1,3,6,8-TCDD (First)	22.43
2	1,2,8,9-TCDD (Last)	26.88
3	1,2,4,7,9-PeCDD (First)	28.33
4	1,2,3,8,9-PeCDD (Last)	30.83
5	1,2,4,6,7,9-HxCDD (First)	32.10
6	1,2,3,7,8,9-HxCDD (Last)	34.13
7	1,2,3,4,6,7,9-HpCDD (First)	36.59
8	1,2,3,4,6,7,8-HpCDD (Last)	37.55
9	1,3,6,8-TCDF (First)	20.19
10	1,2,8,9-TCDF (Last)	27.18
11	1,3,4,6,8-PeCDF (First)	26.75
12	1,2,3,8,9-PeCDF (Last)	31.17
13	1,2,3,4,6,8-HxCDF (First)	31.57
14	1,2,3,7,8,9-HxCDF (Last)	34.63
15	1,2,3,4,6,7,8-HpCDF (First)	36.21
16	1,2,3,4,7,8,9-HpCDF (Last)	38.21

Dataset: Untitled

Last Altered: Thursday, December 17, 2020 09:30:59 Pacific Standard Time

Printed: Thursday, December 17, 2020 09:31:19 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

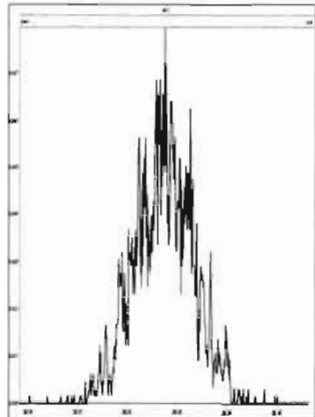
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	201216D1_1	ST201216D1-1 1613 CS3 20L0706	16-Dec-20	14:44:06
2	201216D1_2	B0L0042-BS1 OPR 10	16-Dec-20	15:31:24
3	201216D1_3	SOLVENT BLANK	16-Dec-20	16:17:35
4	201216D1_4	B0L0042-BLK1 Method Blank 10	16-Dec-20	17:03:49
5	201216D1_5	2002492-01 USMPDI-003SC-A-01-02-201110 ...	16-Dec-20	17:49:53
6	201216D1_6	2002492-02 USMPDI-003SC-A-02-03-201110 ...	16-Dec-20	18:36:01
7	201216D1_7	2002492-03 USMPDI-003SC-A-03-04-201110 ...	16-Dec-20	19:22:09
8	201216D1_8	B0L0042-DUP1 Duplicate 11.82	16-Dec-20	20:08:18
9	201216D1_9	2002492-04 USMPDI-003SC-A-04-05-201110 ...	16-Dec-20	20:54:30
10	201216D1_10	2002492-05 USMPDI-1003SC-A-01-02-201110...	16-Dec-20	21:40:40
11	201216D1_11	2002492-06 USMPDI-006SC-A-01-02-201110 ...	16-Dec-20	22:26:48
12	201216D1_12	2002492-07 USMPDI-006SC-A-02-03-201110 ...	16-Dec-20	23:12:56
13	201216D1_13	2002492-08 USMPDI-006SC-A-03-04-201110 ...	16-Dec-20	23:59:09

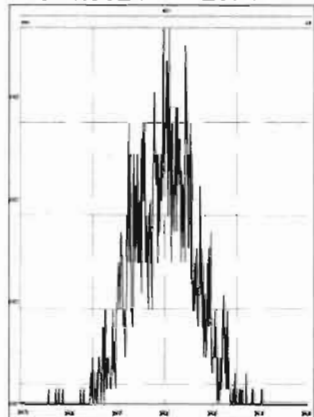
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, December 16, 2020 14:37:44 Pacific Standard Time

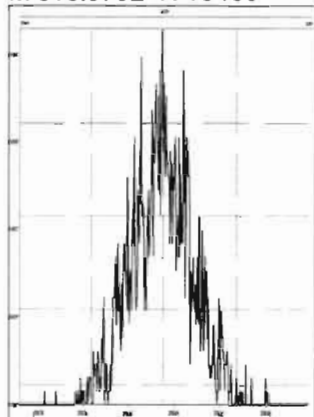
M 292.9824 R 12255



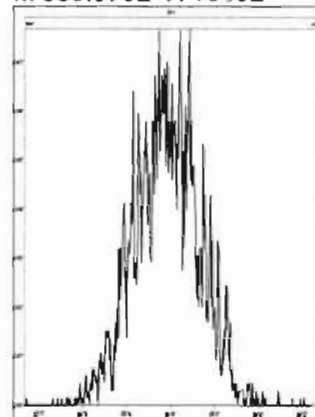
M 304.9824 R 12374



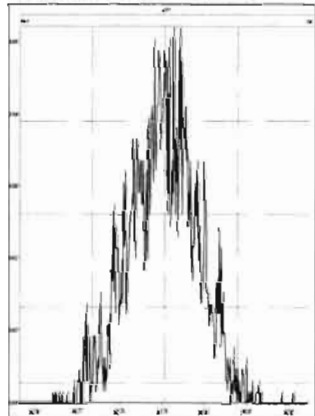
M 318.9792 R 13436



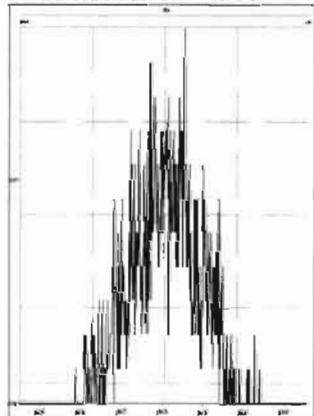
M 330.9792 R 10592



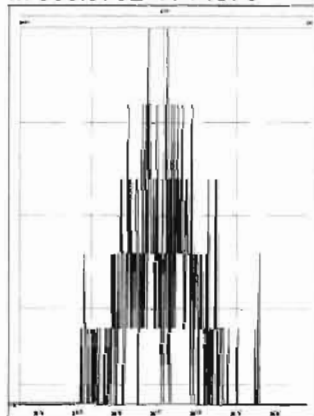
M 342.9792 R 11470



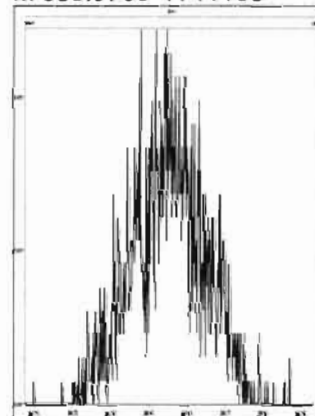
M 354.9792 R 11905



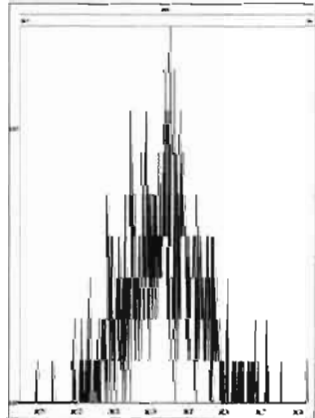
M 366.9792 R 14878



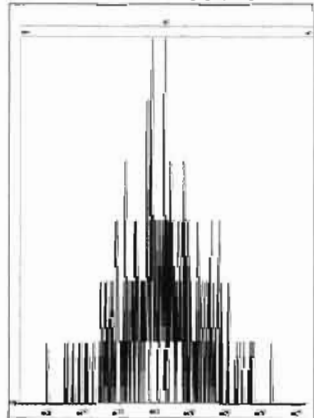
M 380.9760 R 11108



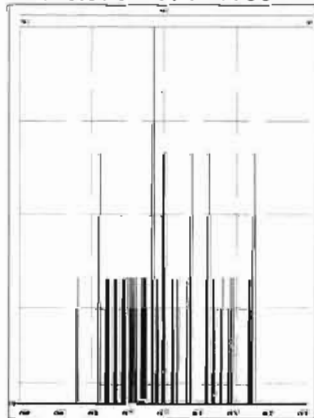
M 392.9760 R 11520



M 404.9760 R 38453



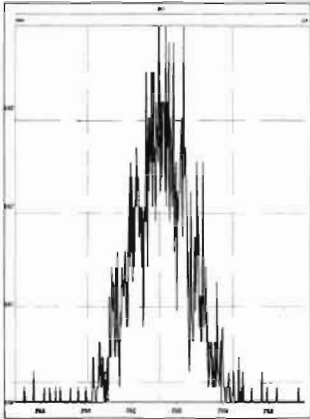
M 416.9760 R 104166



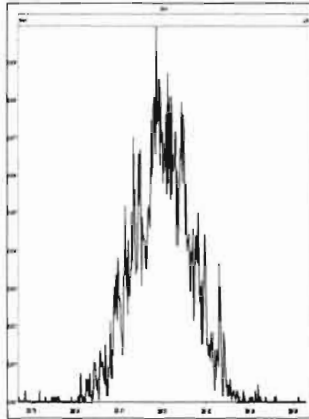
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, December 16, 2020 14:38:14 Pacific Standard Time

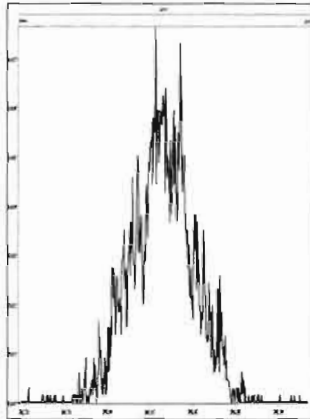
M 318.9792 R 12693



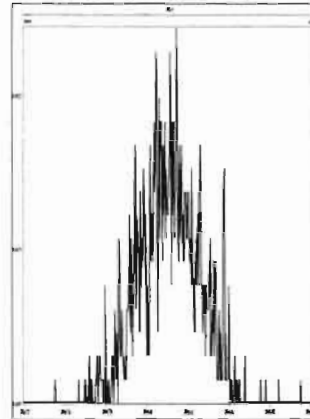
M 330.9792 R 12620



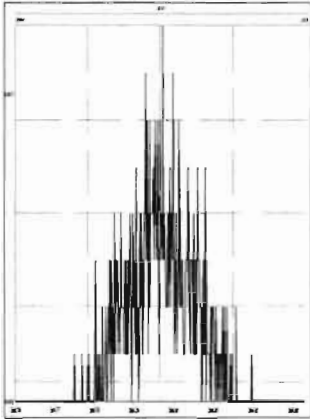
M 342.9792 R 11740



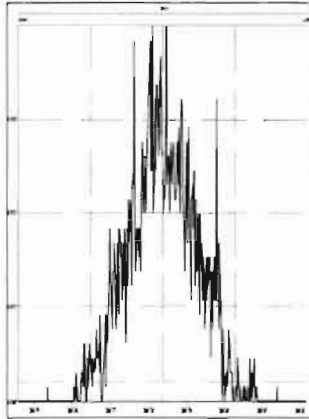
M 354.9792 R 12888



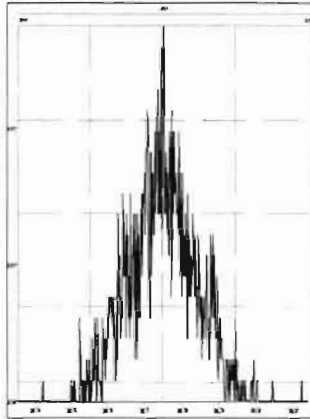
M 366.9792 R 15437



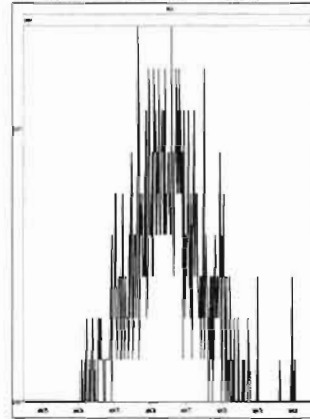
M 380.9760 R 11790



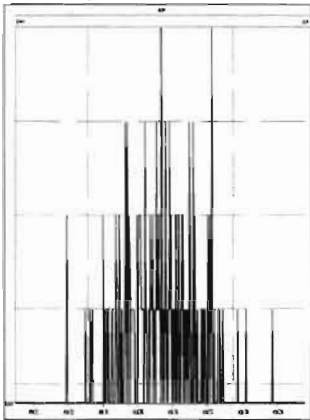
M 392.9760 R 10246



M 404.9760 R 11060



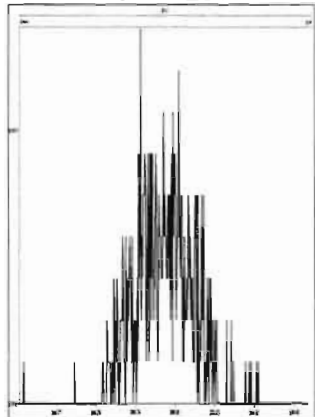
M 416.9760 R 54332



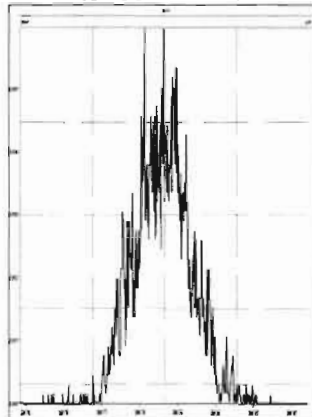
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 3 @ 200 (ppm)

Printed: Wednesday, December 16, 2020 14:39:06 Pacific Standard Time

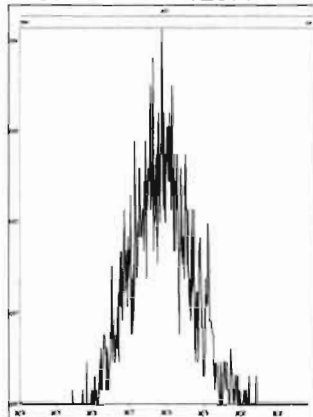
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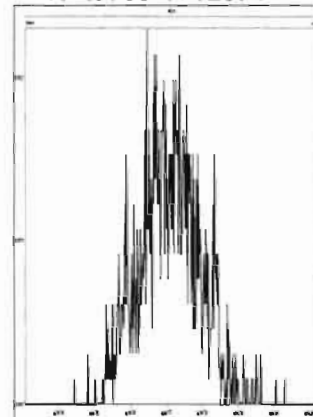
M 380.9760 R 12317



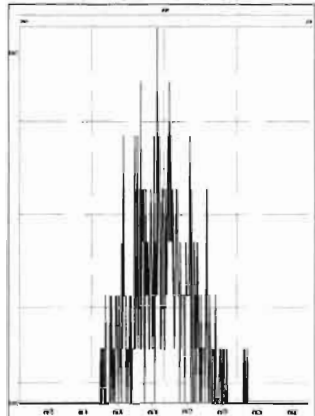
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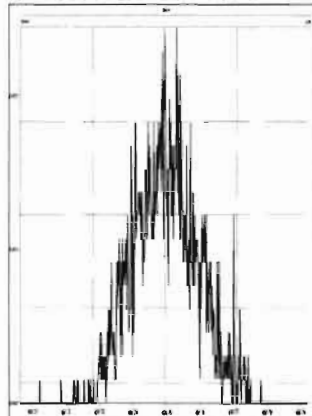
M 404.9760 R 12075



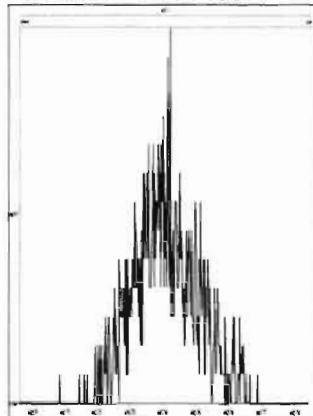
M 416.9760 R 17607



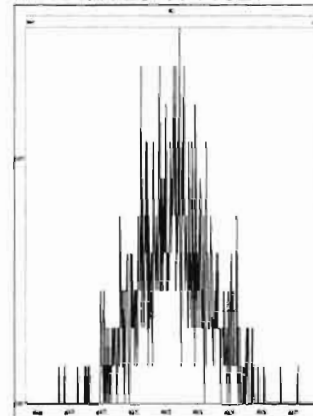
M 430.9728 R 11573



M 442.9728 R 14537



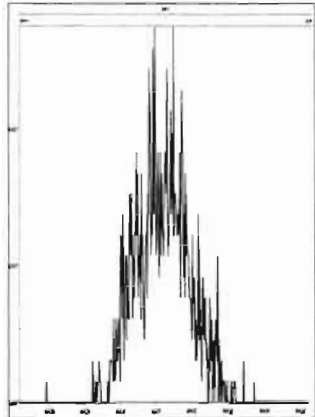
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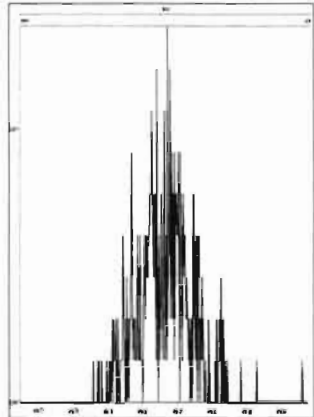
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Printed: Wednesday, December 16, 2020 14:39:33 Pacific Standard Time

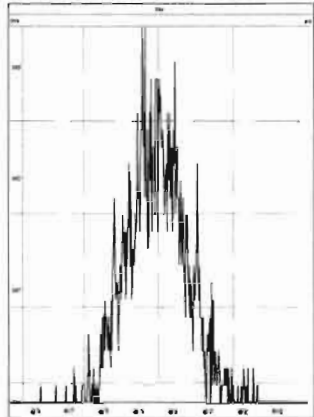
M 404.9760 R 12886



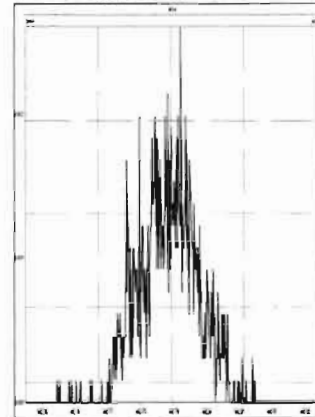
M 416.9760 R 14878



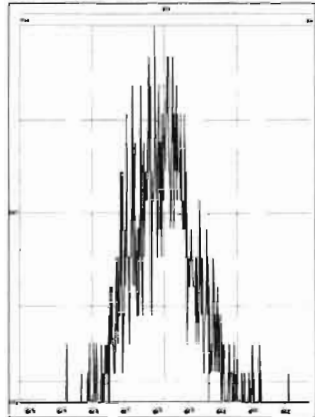
M 430.9728 R 14125



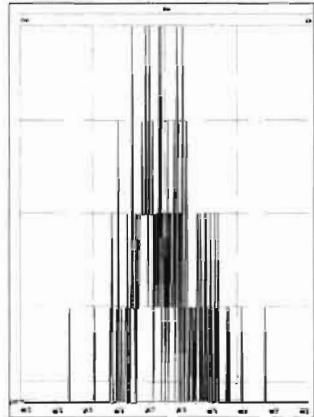
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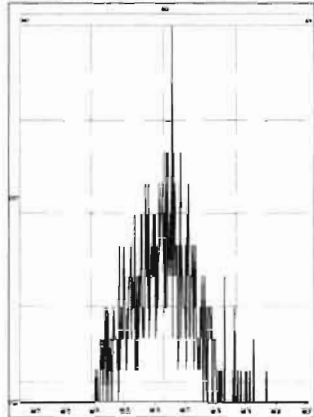
M 454.9728 R 12317



M 466.9728 R 16556



M 480.9696 R 13810

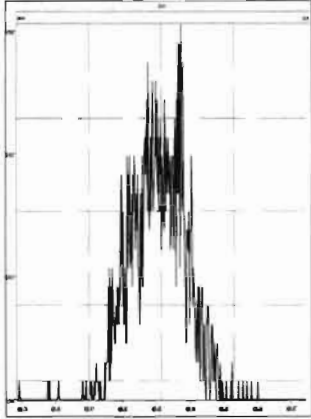




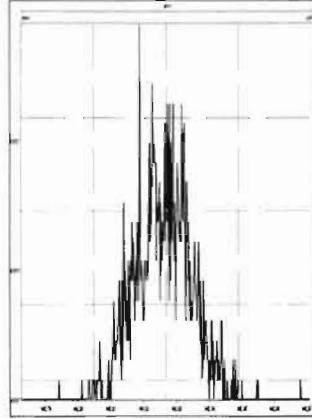
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Printed: Wednesday, December 16, 2020 14:40:05 Pacific Standard Time

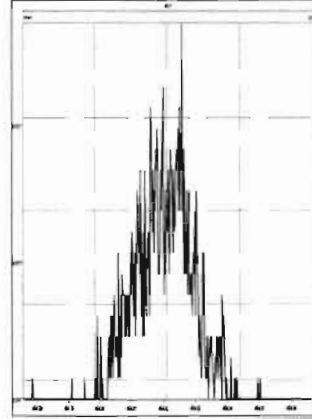
M 430.9728 R 14201



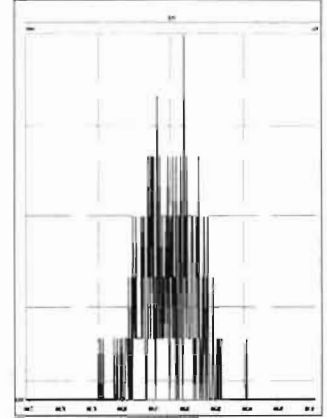
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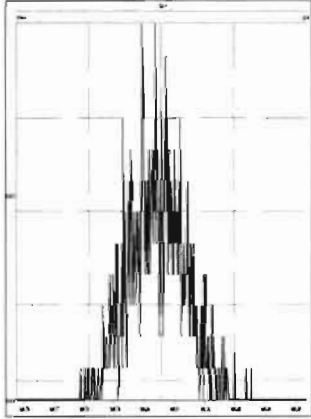
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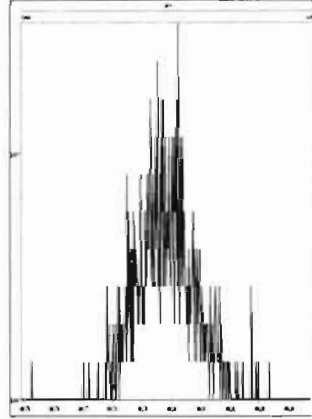
M 466.9728 R 31252



M 480.9696 R 13513



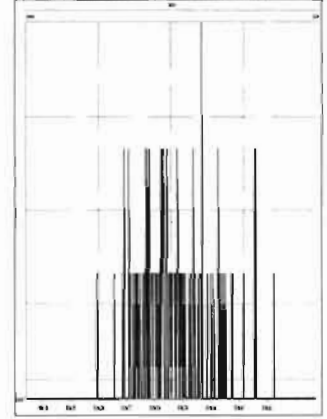
M 492.9696 R 12313

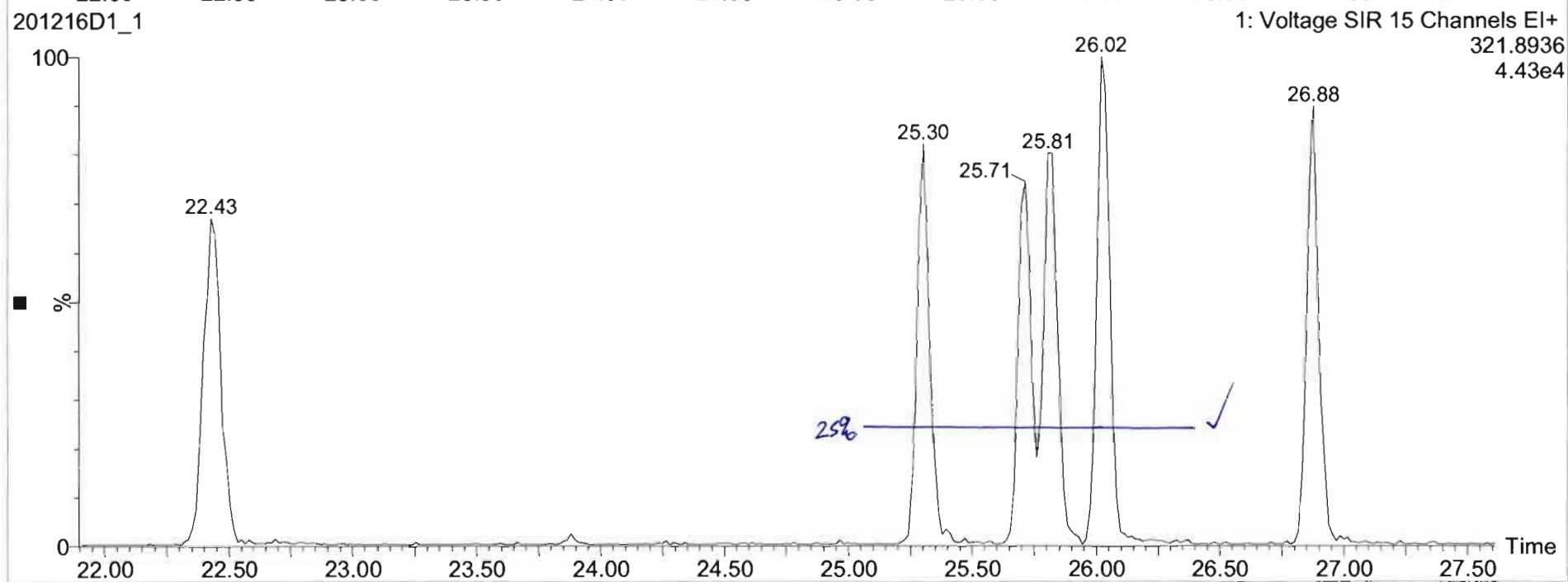
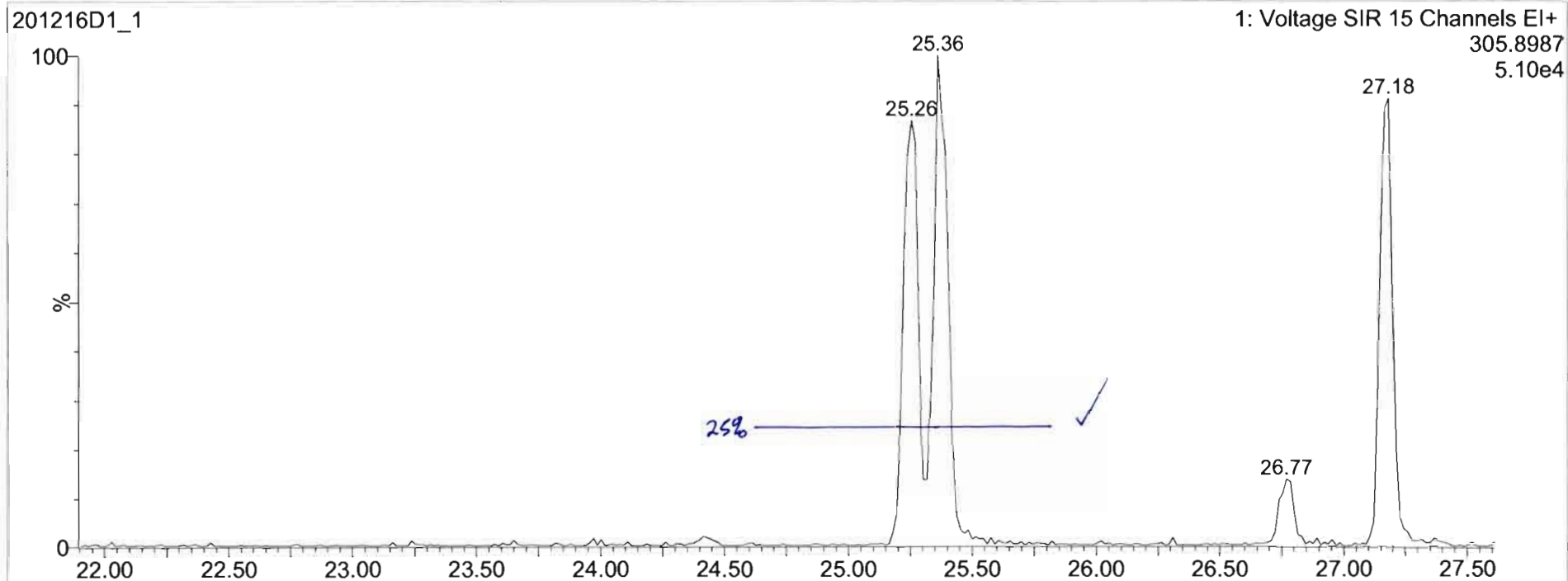


M 504.9696 R 14125



M 516.9697 R 33791





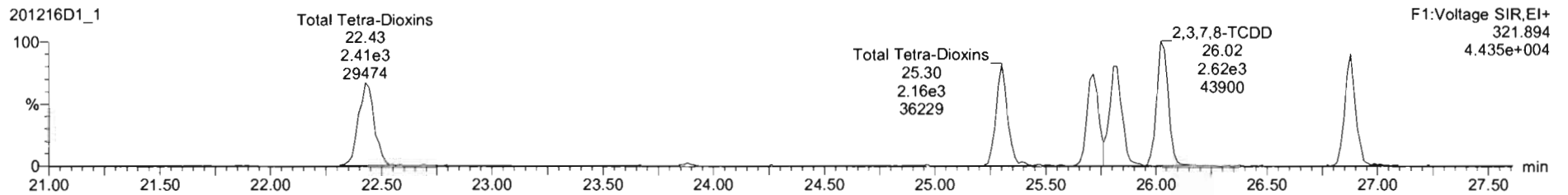
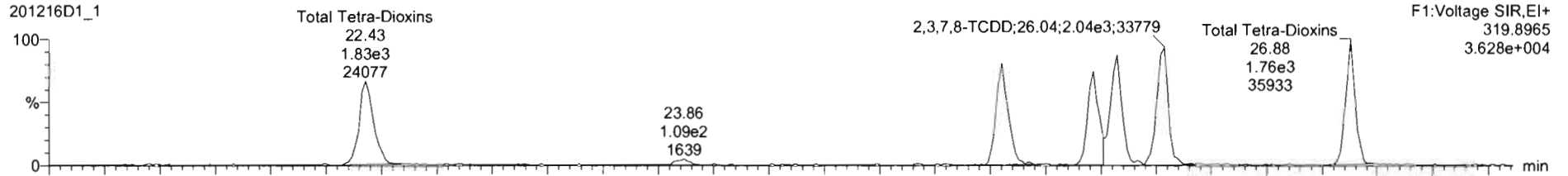
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Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

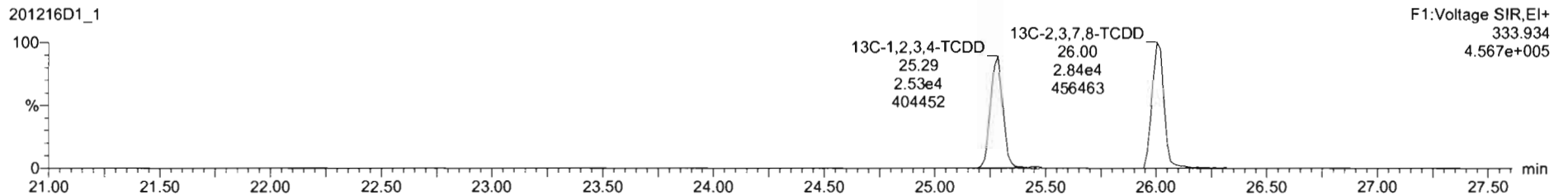
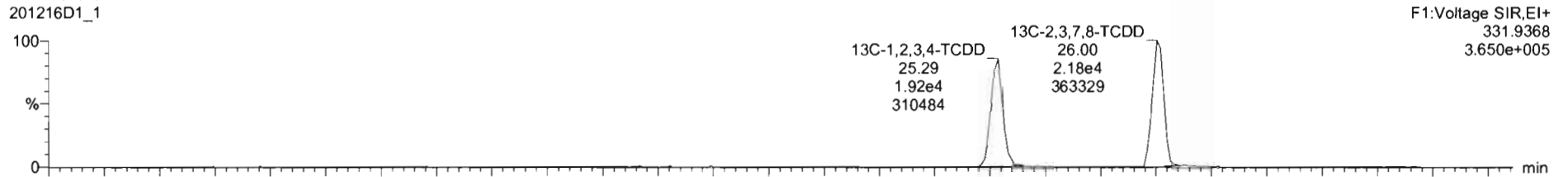
Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

2,3,7,8-TCDD



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



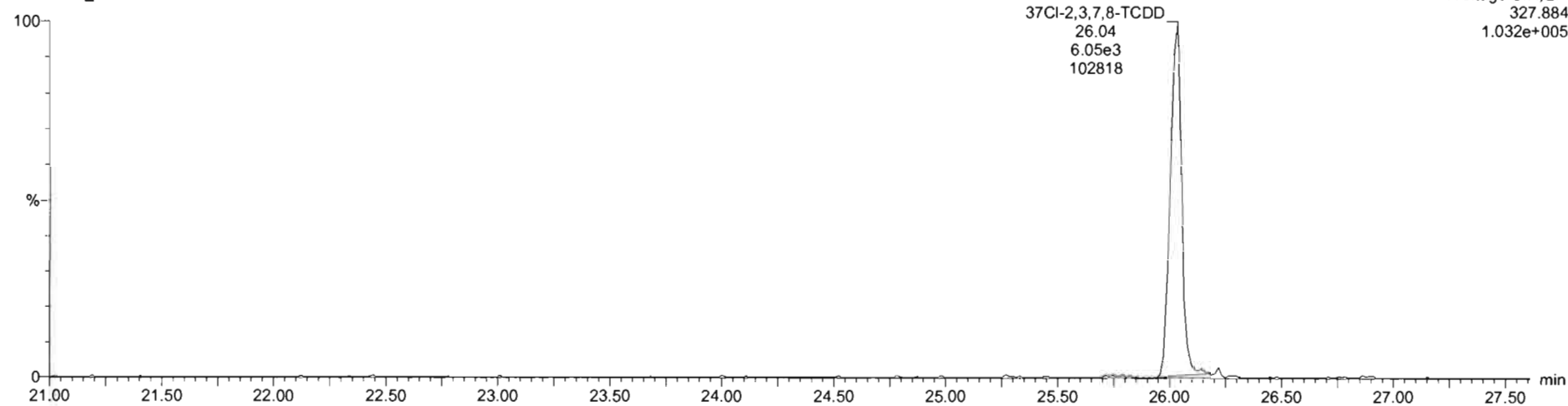
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Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
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Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

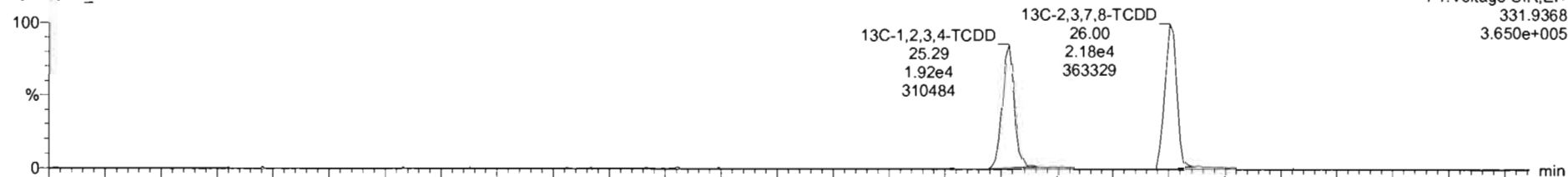
**37Cl-2,3,7,8-TCDD**

201216D1\_1

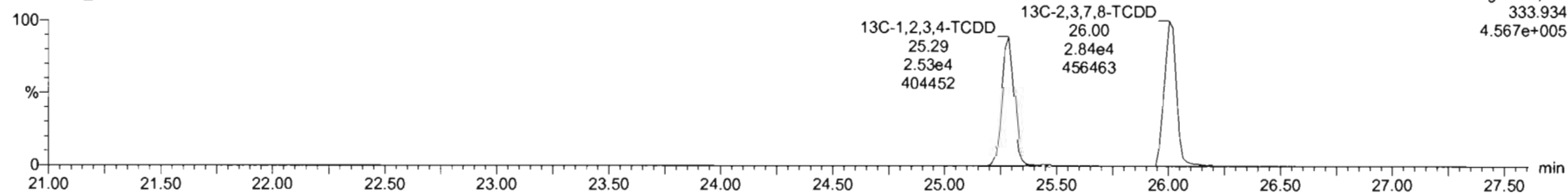


**13C-1,2,3,4-TCDD**

201216D1\_1



201216D1\_1



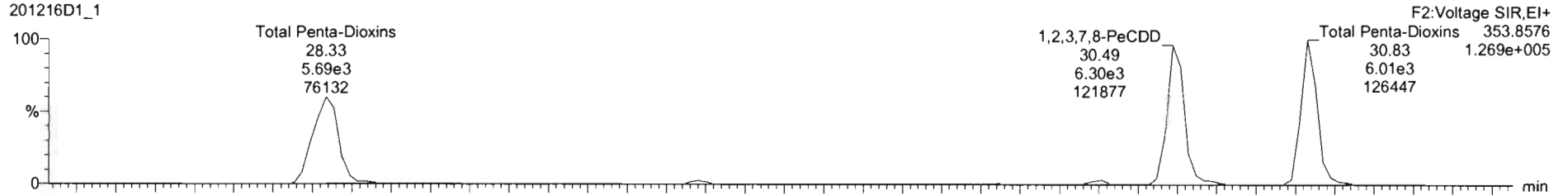
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

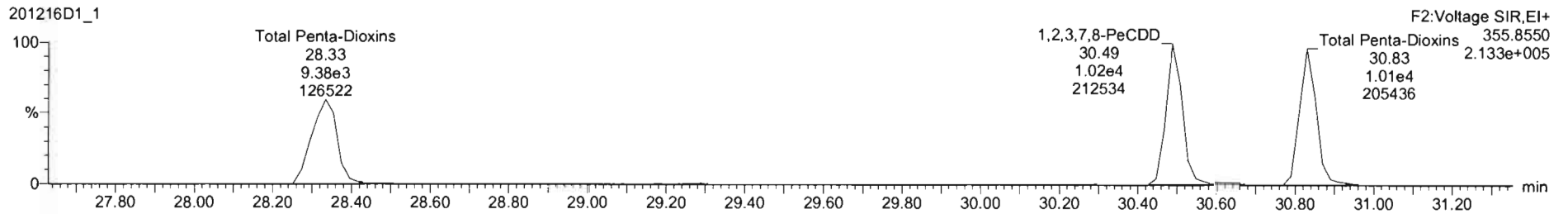
Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

1,2,3,7,8-PeCDD

201216D1\_1

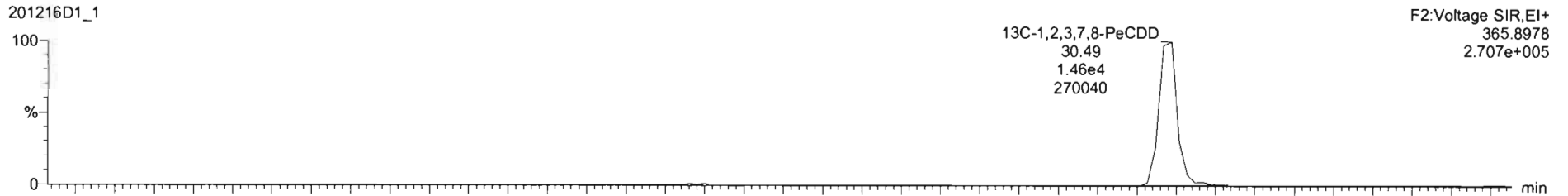


201216D1\_1

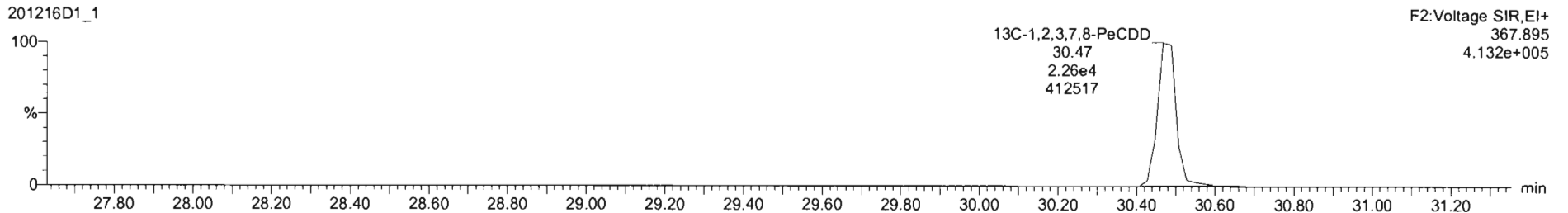


13C-1,2,3,7,8-PeCDD

201216D1\_1



201216D1\_1

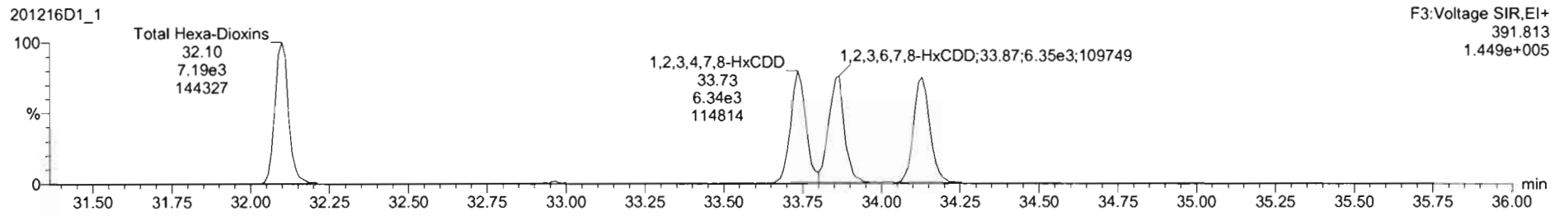
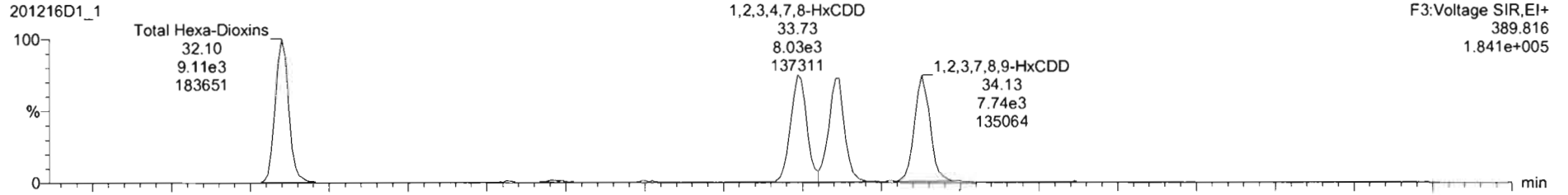


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

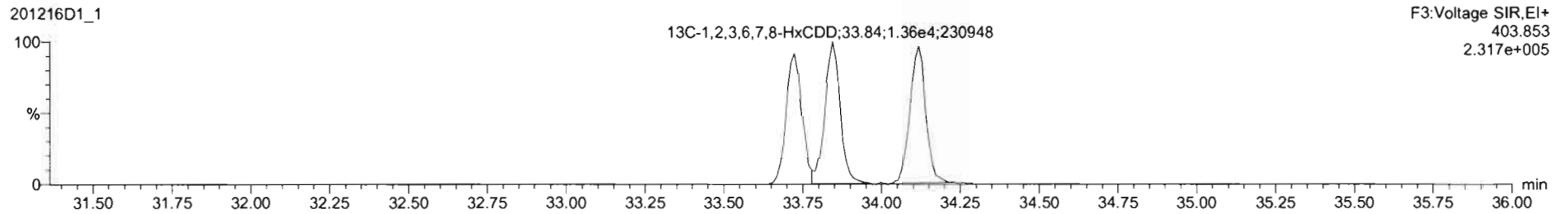
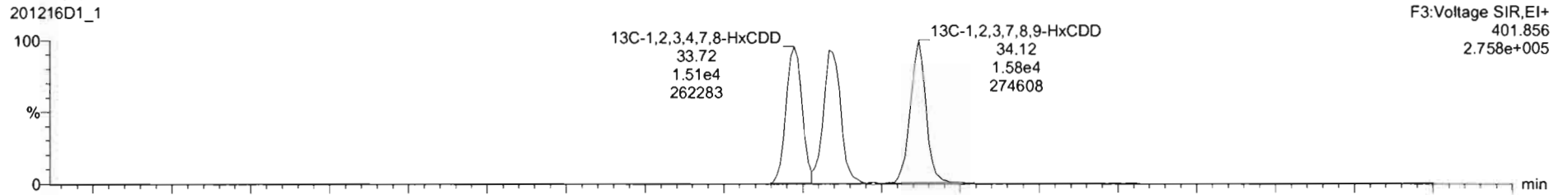
Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

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



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



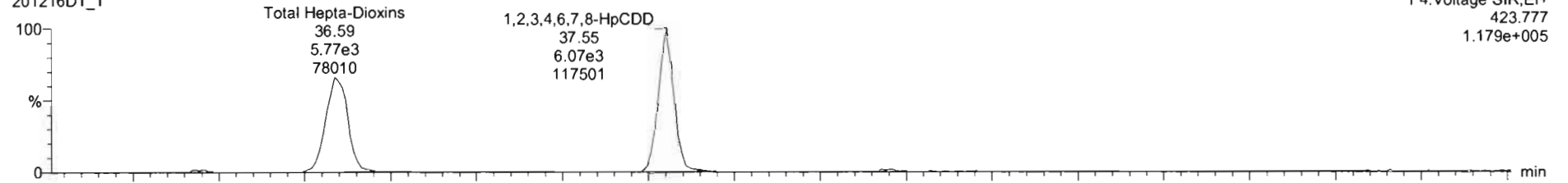
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

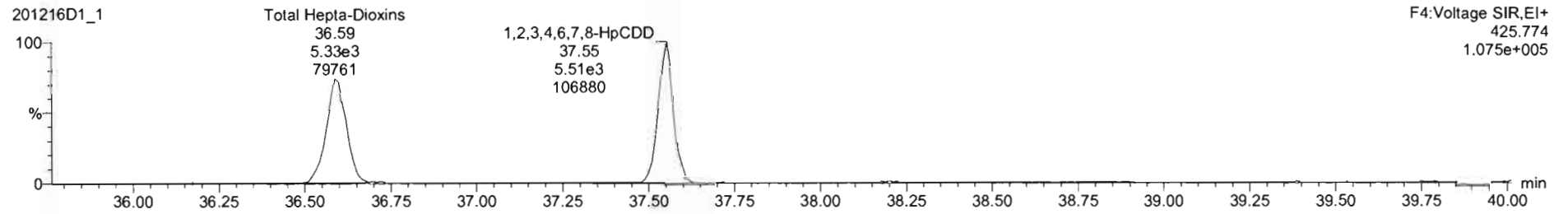
Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

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

201216D1\_1

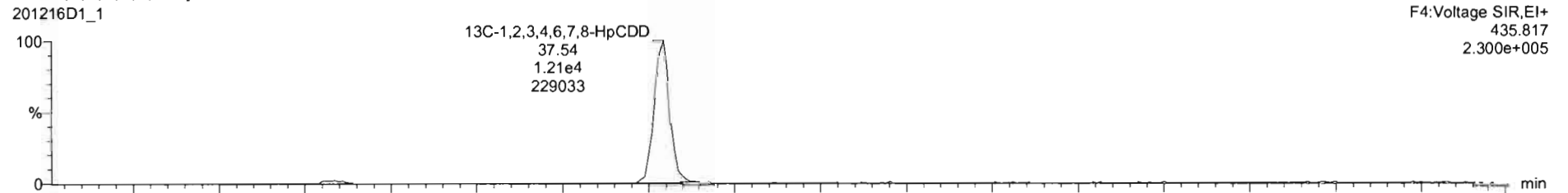


201216D1\_1

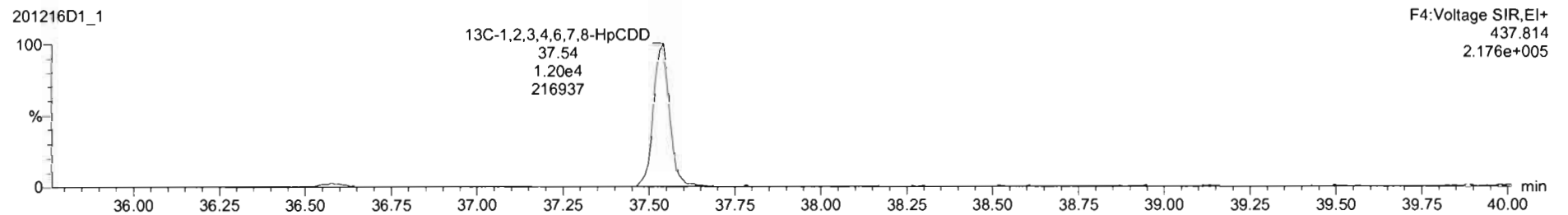


13C-1,2,3,4,6,7,8-HpCDD

201216D1\_1



201216D1\_1



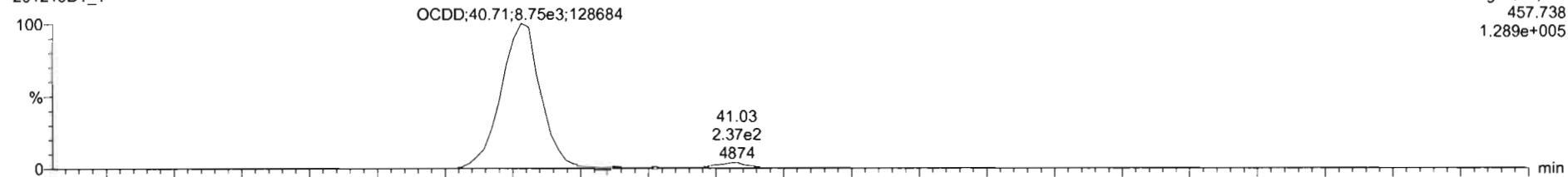
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

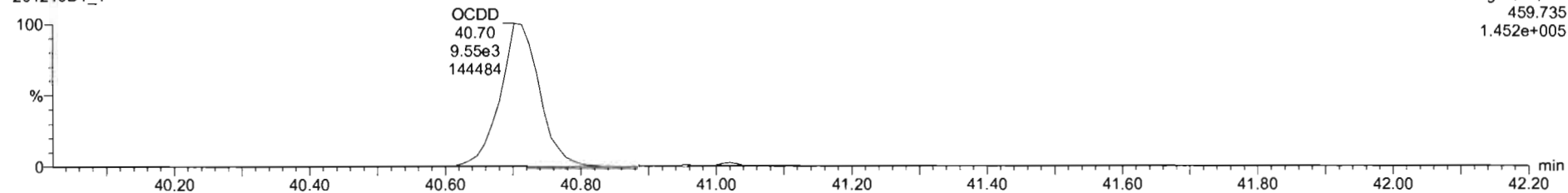
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**OCDD**

201216D1\_1

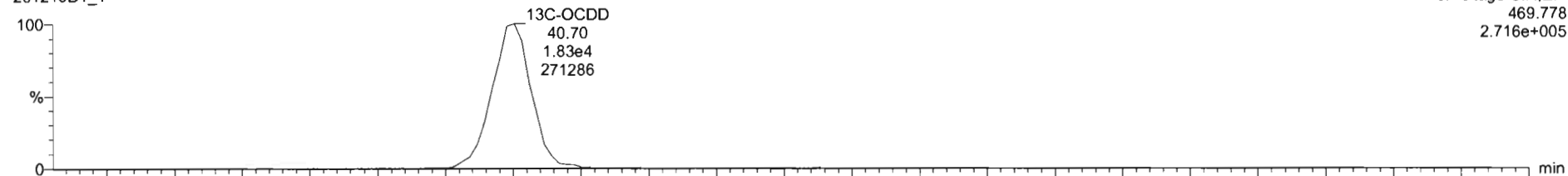


201216D1\_1

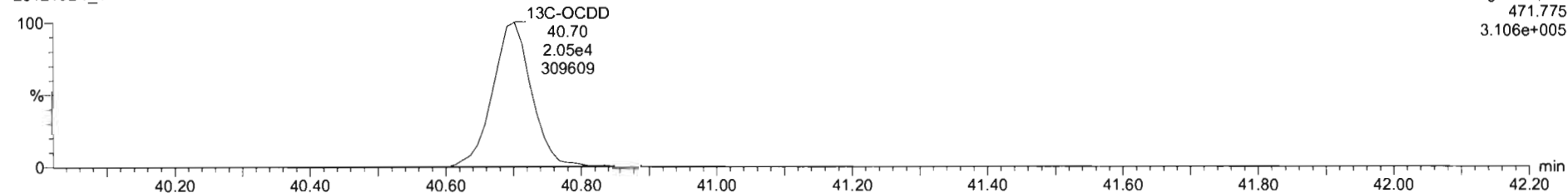


**13C-OCDD**

201216D1\_1



201216D1\_1



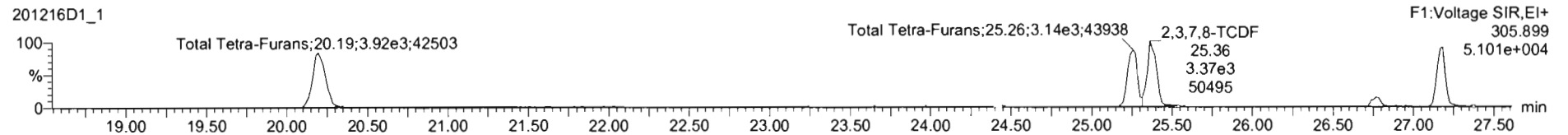
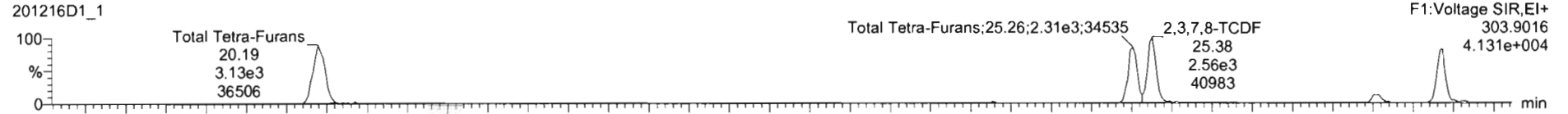


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

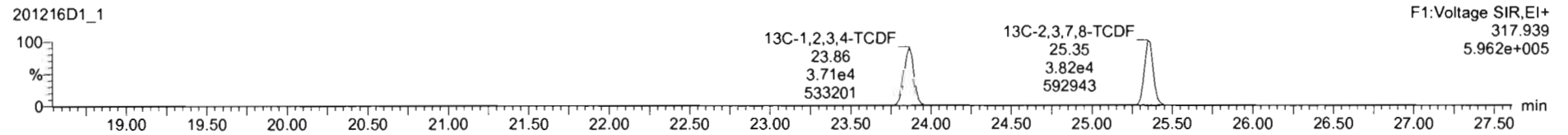
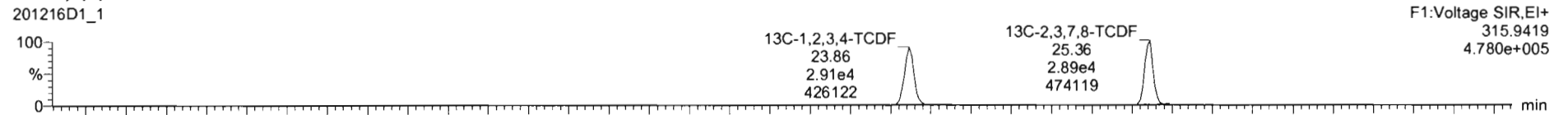
Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

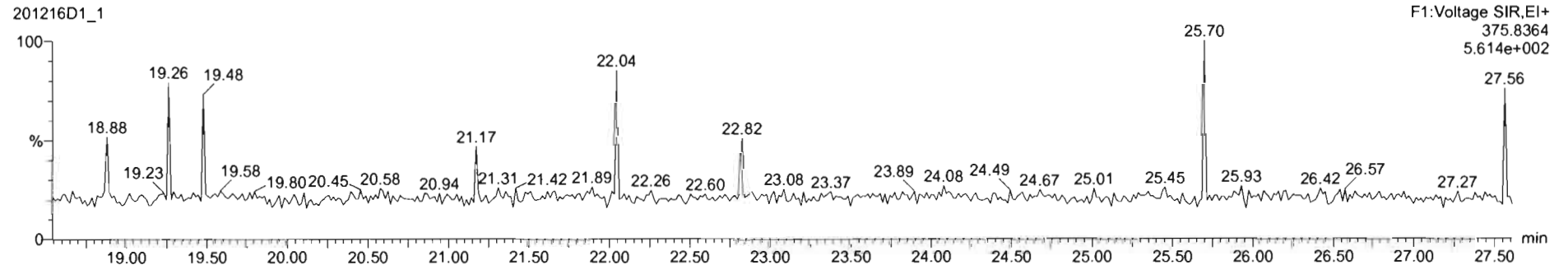
**2,3,7,8-TCDF**



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



**DPE1**



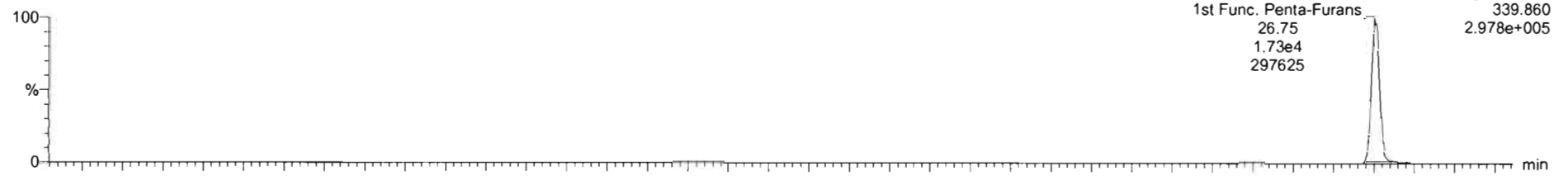
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

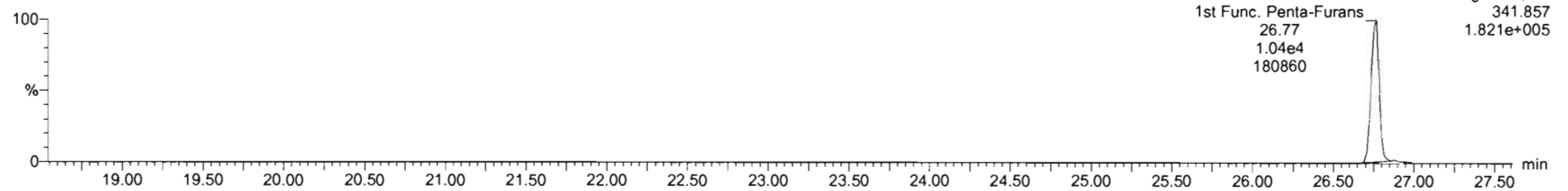
Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

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201216D1\_1

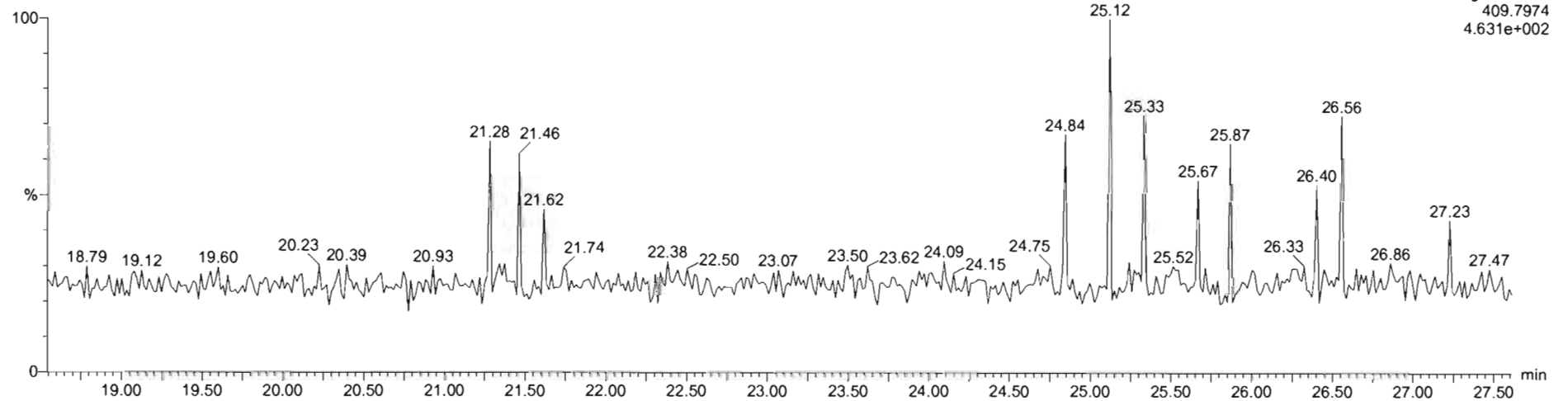


201216D1\_1



DPE6

201216D1\_1



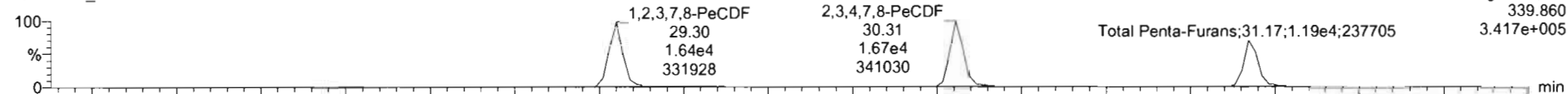
Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

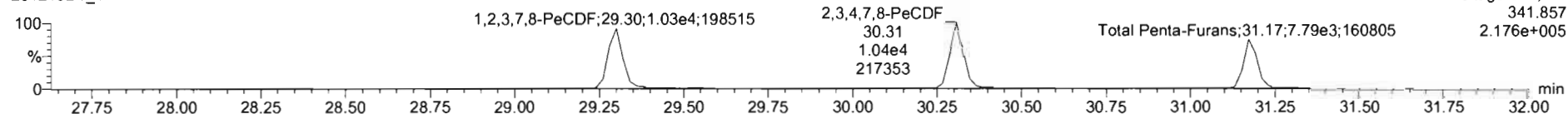
Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

**1,2,3,7,8-PeCDF**

201216D1\_1

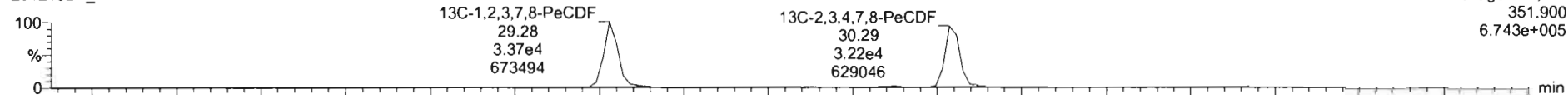


201216D1\_1

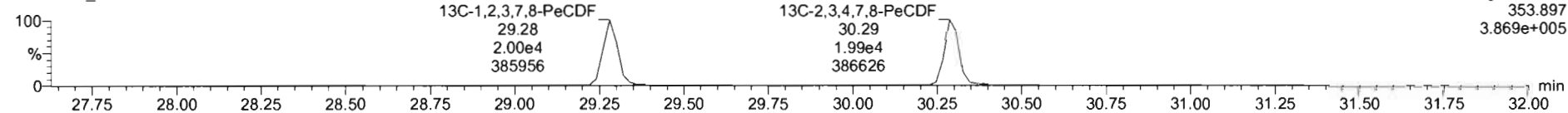


**13C-1,2,3,7,8-PeCDF**

201216D1\_1

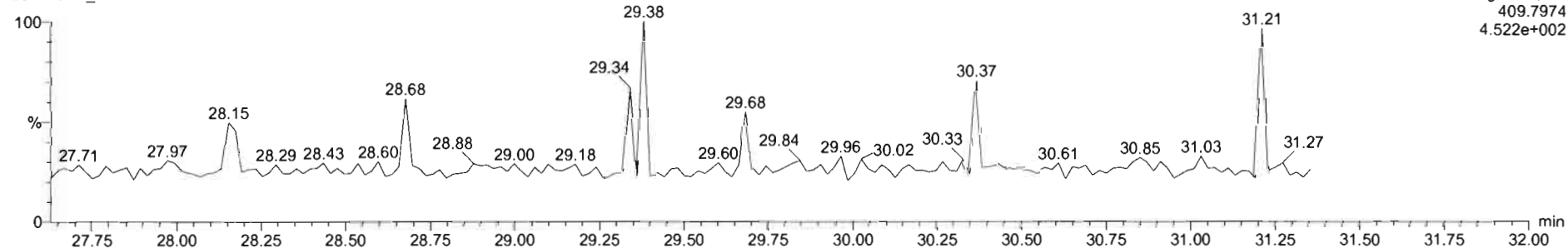


201216D1\_1



**DPE2**

201216D1\_1

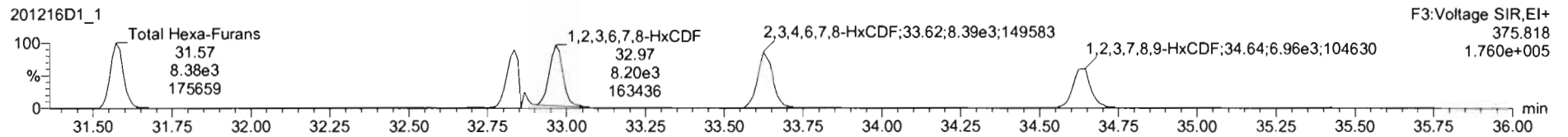
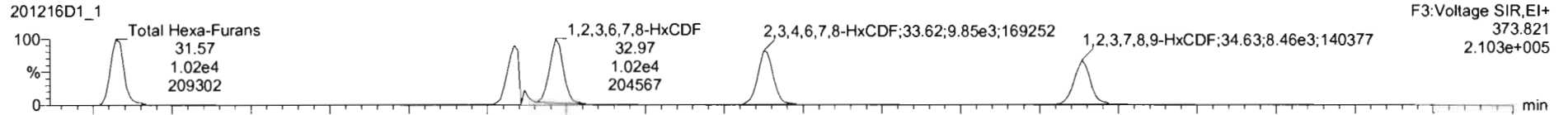


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

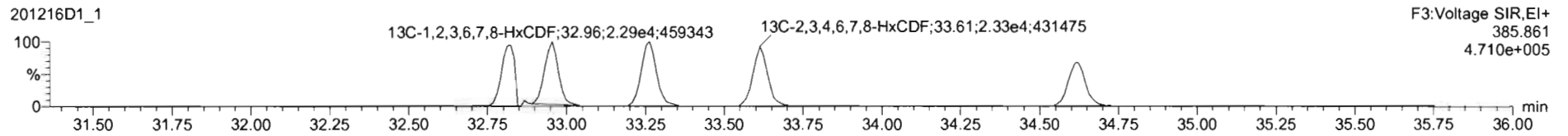
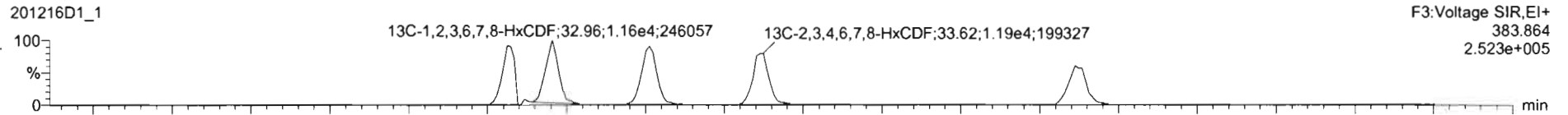
Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

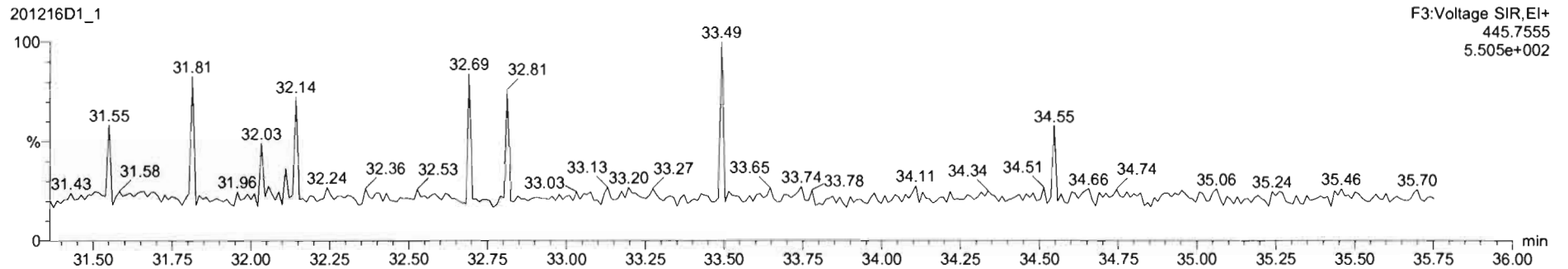
1,2,3,4,7,8-HxCDF

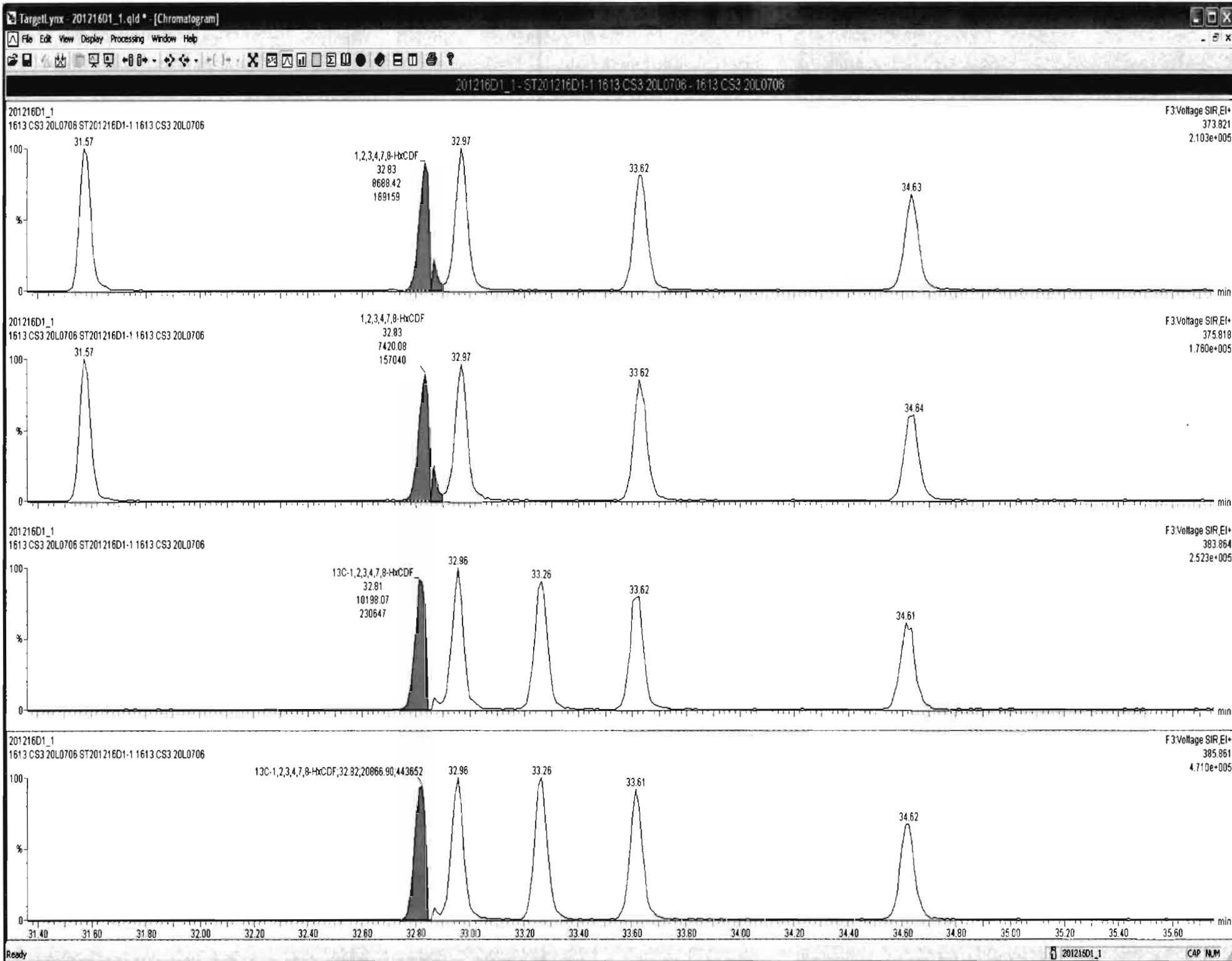


13C-1,2,3,4,7,8-HxCDF



DPE3



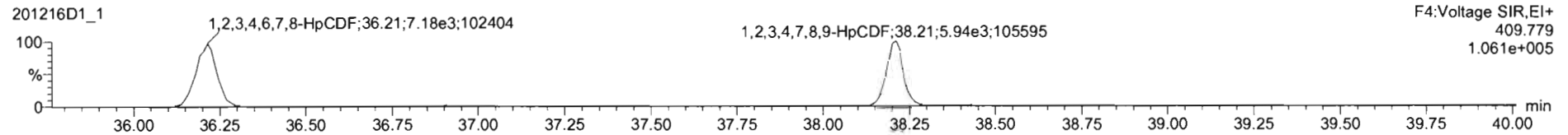
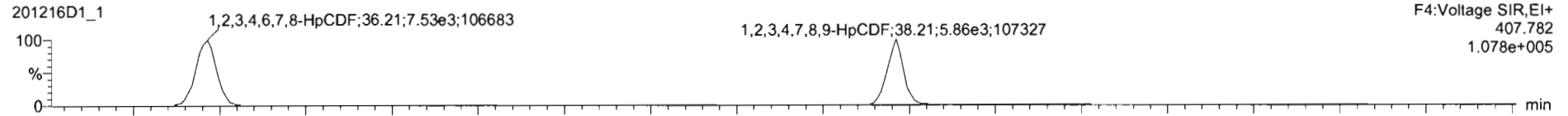


Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

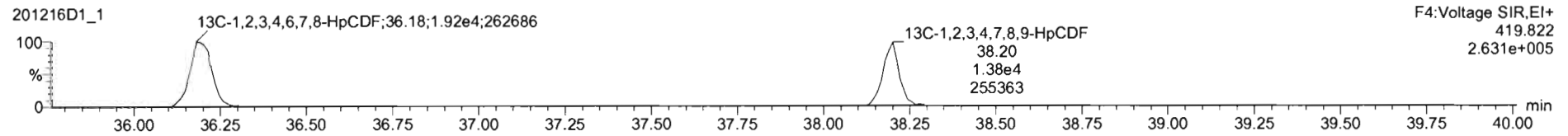
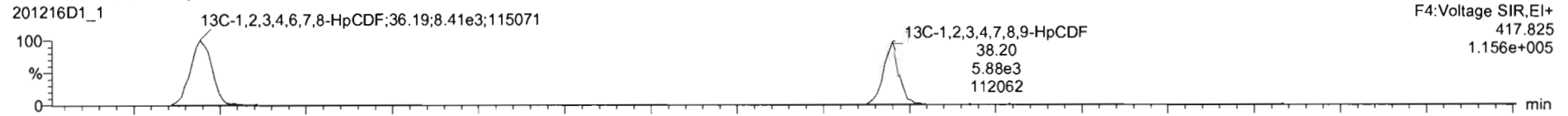
Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
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Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

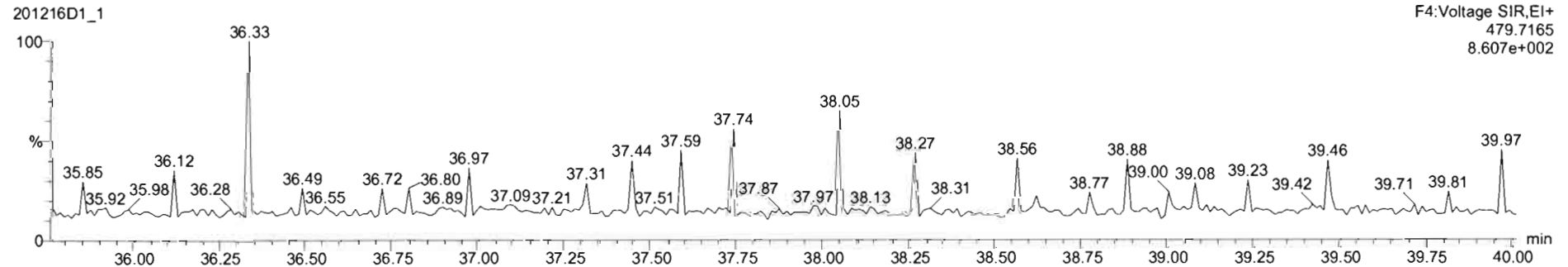
**1,2,3,4,6,7,8-HpCDF**



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



**DPE4**



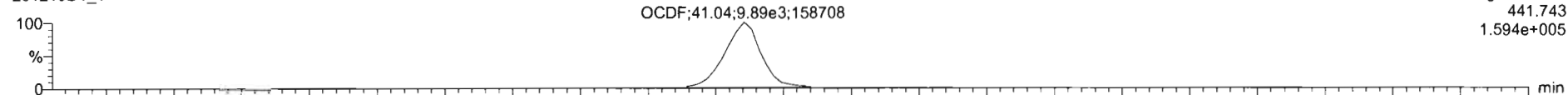
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Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

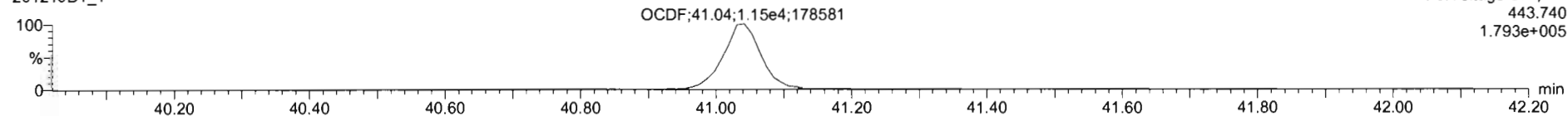
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**OCDF**

201216D1\_1

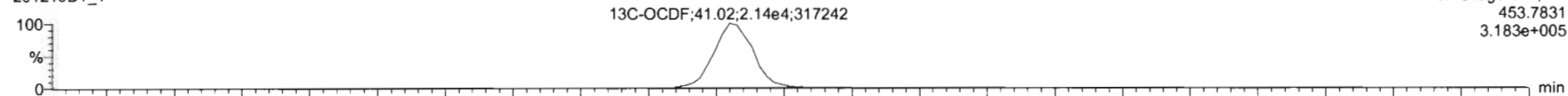


201216D1\_1

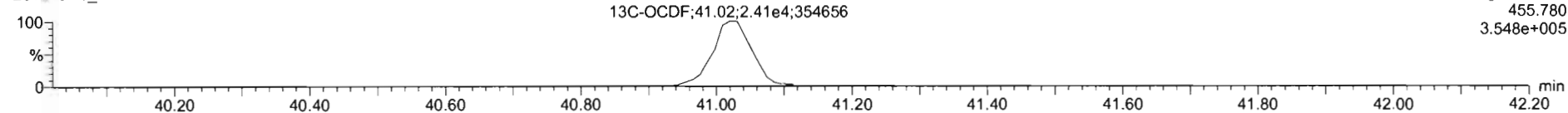


**13C-OCDF**

201216D1\_1

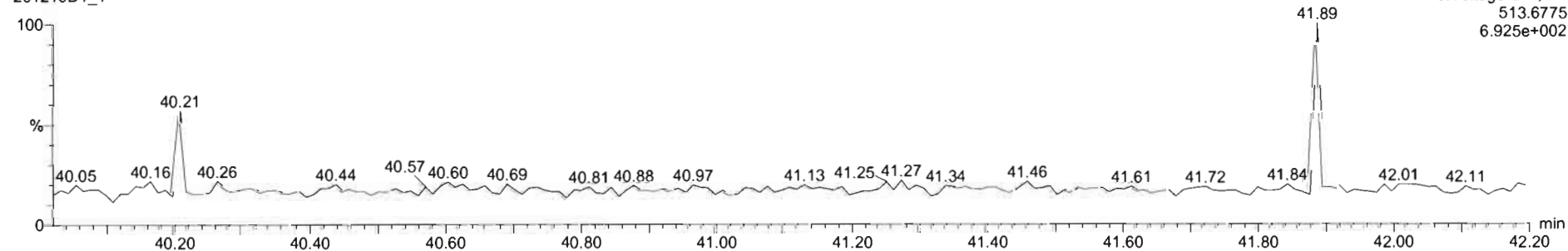


201216D1\_1



**DPE5**

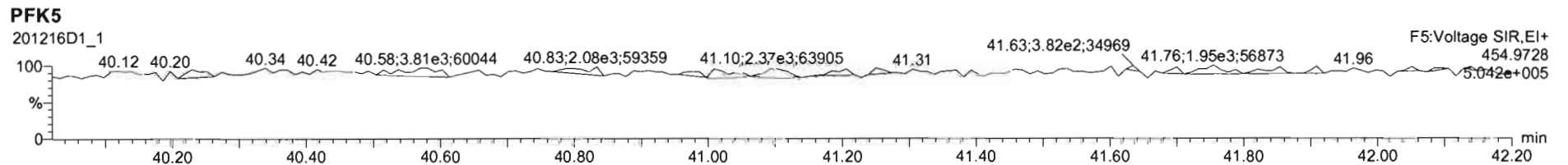
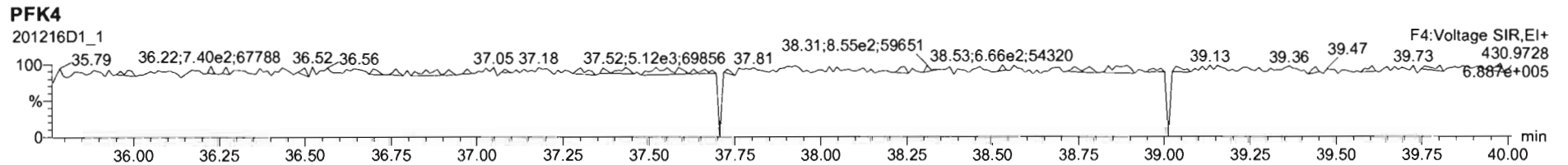
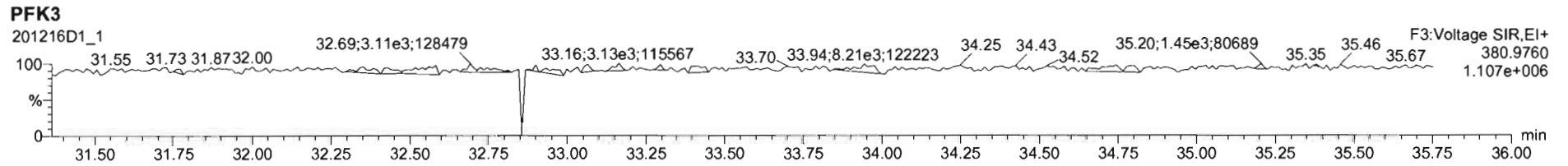
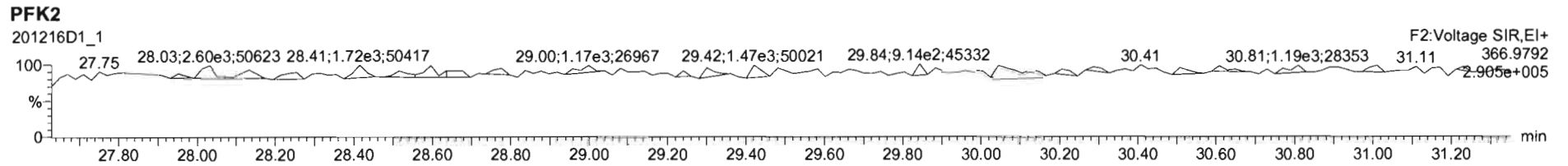
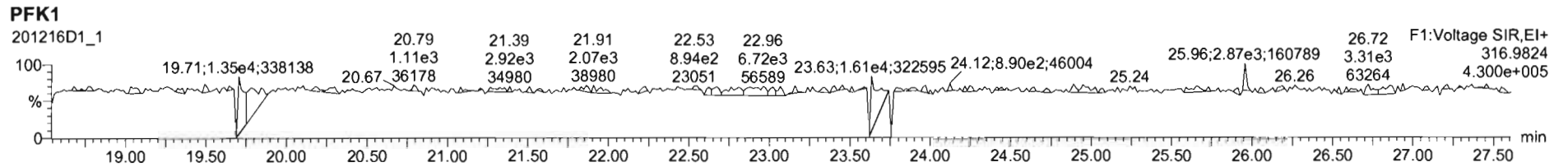
201216D1\_1



Dataset: U:\VG7.PRO\Results\201216D1\201216D1\_1.qld

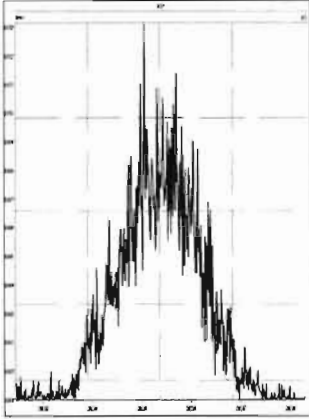
Last Altered: Wednesday, December 16, 2020 15:31:42 Pacific Standard Time  
Printed: Wednesday, December 16, 2020 15:32:29 Pacific Standard Time

Name: 201216D1\_1, Date: 16-Dec-2020, Time: 14:44:06, ID: ST201216D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

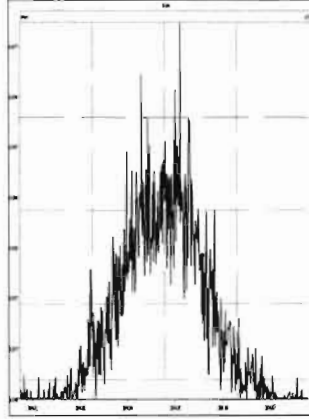




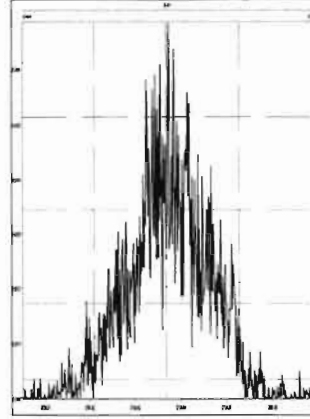
M 292.9824 R 9553 *ok*



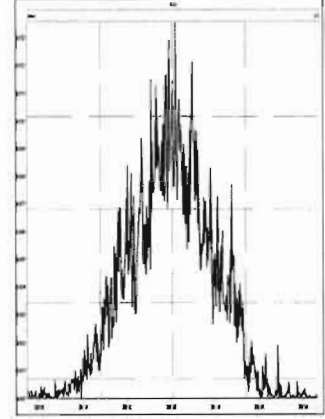
M 304.9824 R 11093



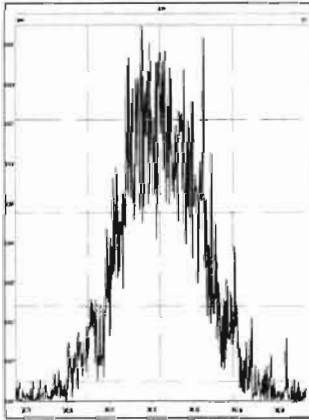
M 318.9792 R 10015



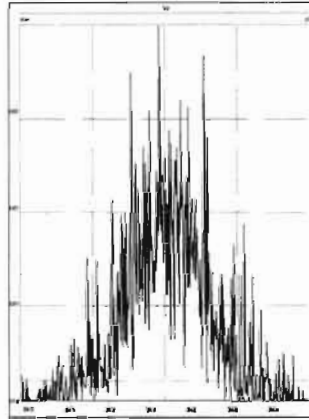
M 330.9792 R 9381 *ok*



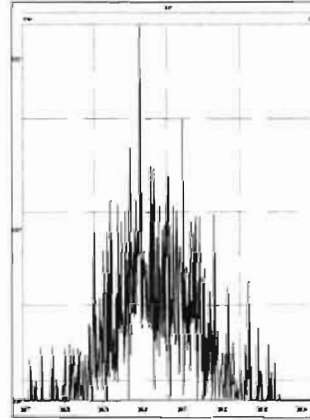
M 342.9792 R 8960 *ok*



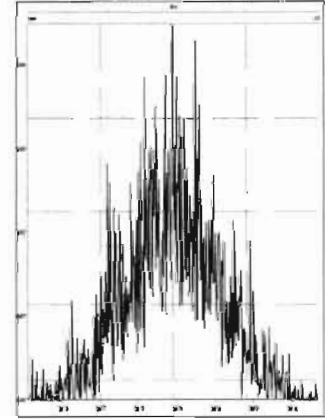
M 354.9792 R 13515



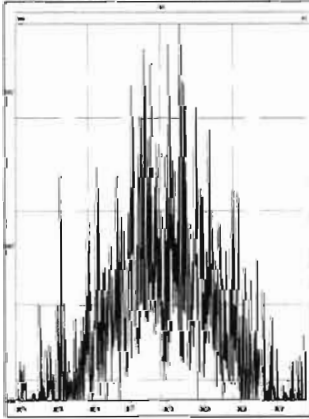
M 366.9792 R 37054



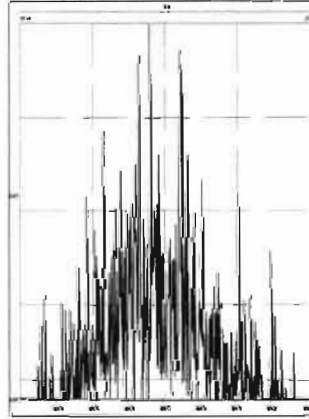
M 380.9760 R 11137



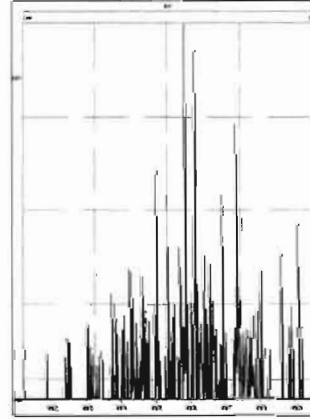
M 392.9760 R 16859



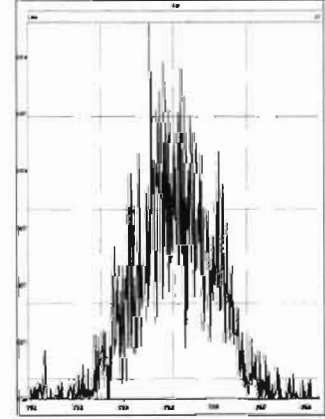
M 404.9760 R 52488



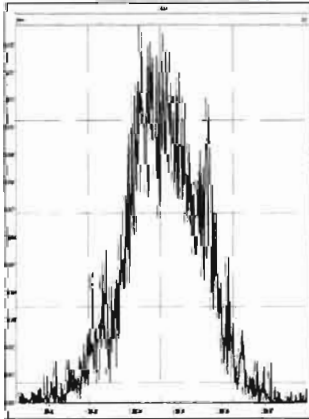
M 416.9760 R 395836



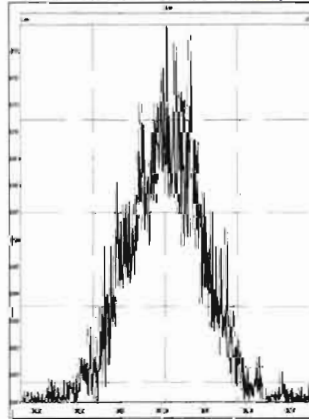
M 318.9792 R 10332



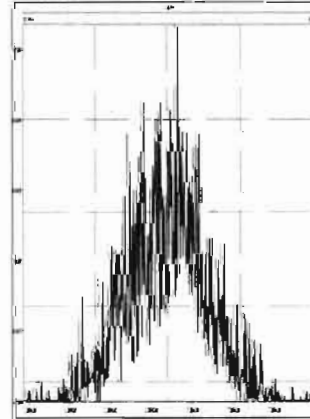
M 330.9792 R 9529 *ok*



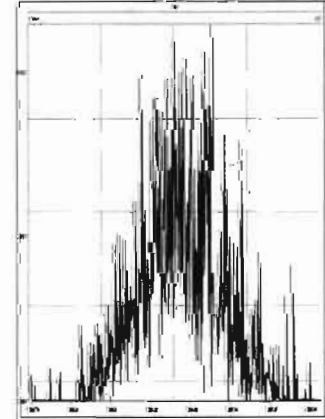
M 342.9792 R 9712 *ok*



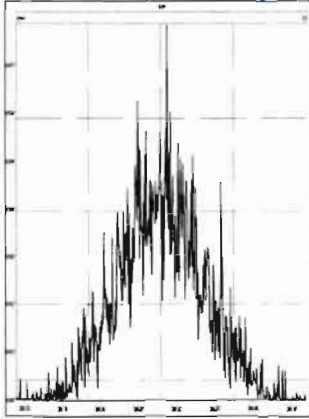
M 354.9792 R 11087



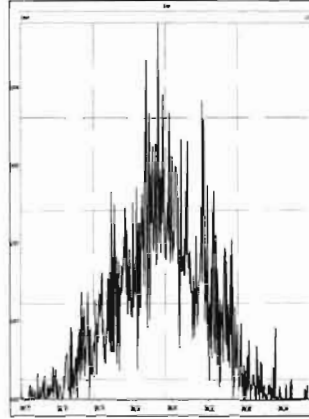
M 366.9792 R 13101



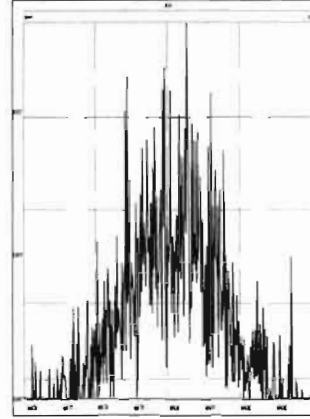
M 380.9760 R 9957 *ok*



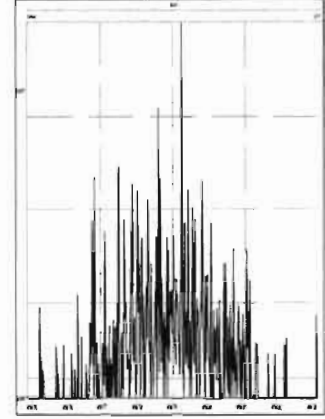
M 392.9760 R 9847 *ok*



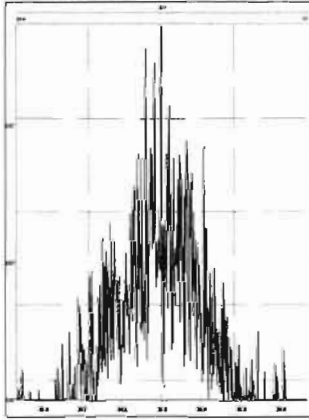
M 404.9760 R 13307



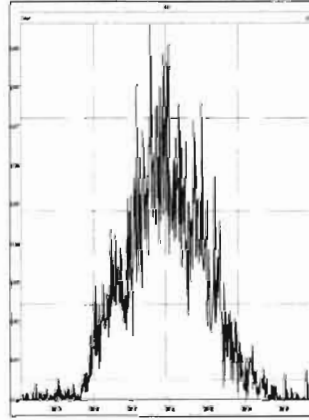
M 416.9760 R 624995



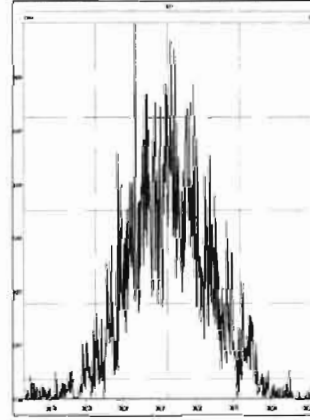
M 366.9792 R 16018



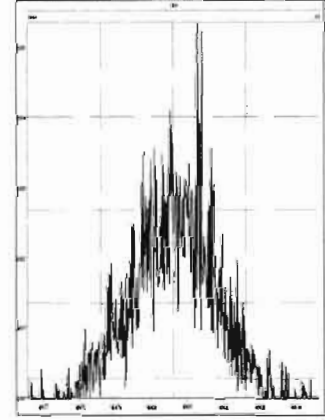
M 380.9760 R 10334



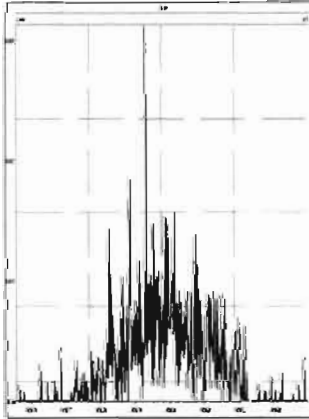
M 392.9760 R 10916



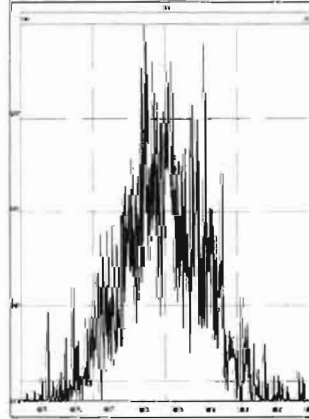
M 404.9760 R 12607



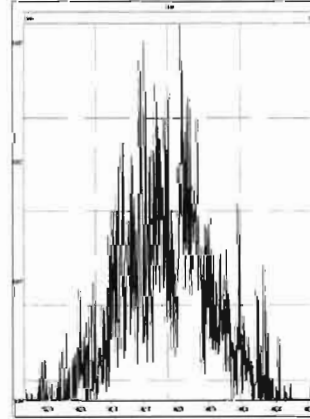
M 416.9760 R 19108



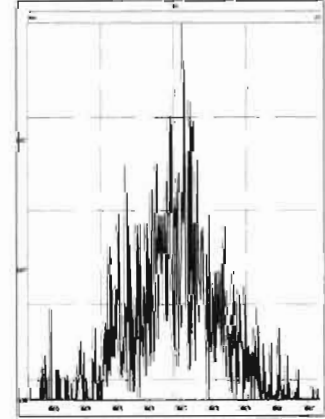
M 430.9728 R 11101



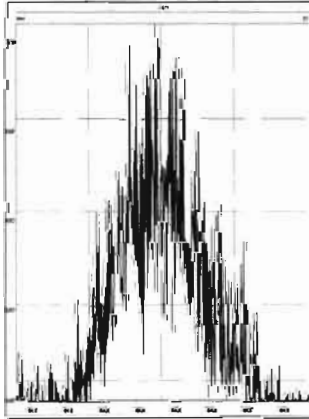
M 442.9728 R 10946



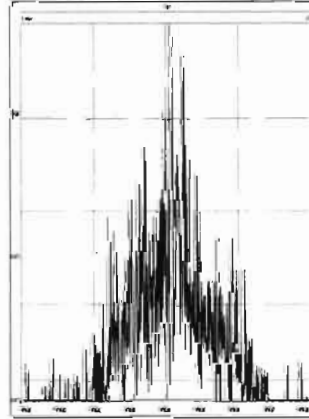
M 454.9728 R 18495



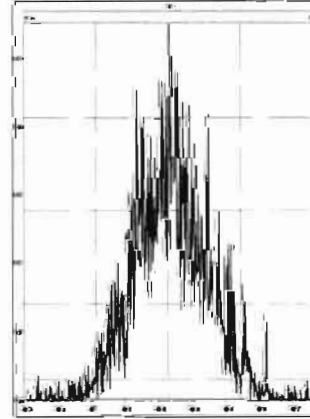
M 404.9760 R 12351



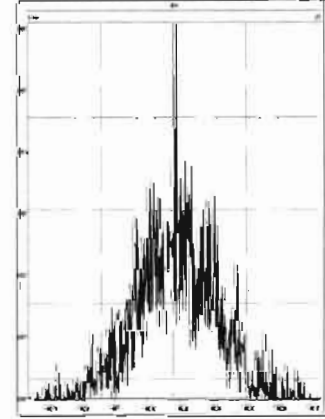
M 416.9760 R 33310



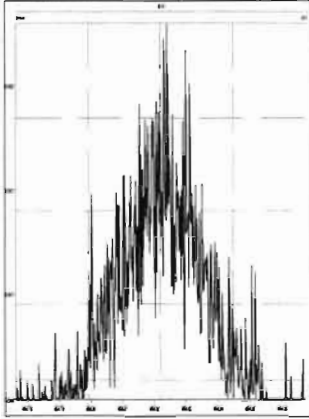
M 430.9728 R 12203



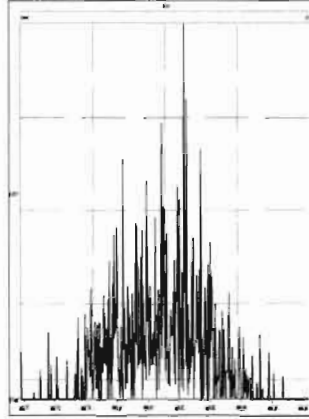
M 442.9728 R 14014



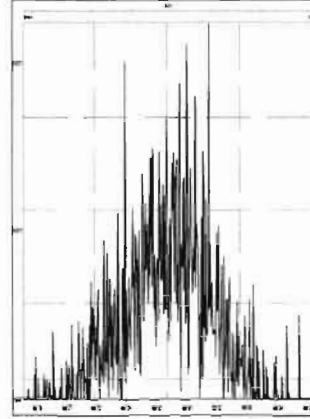
M 454.9728 R 11320



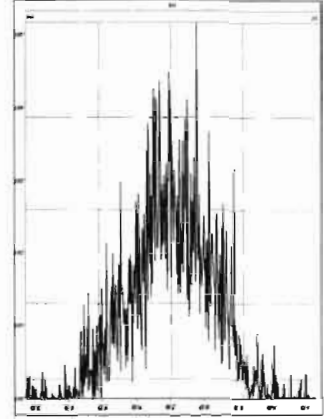
M 466.9728 R 71956



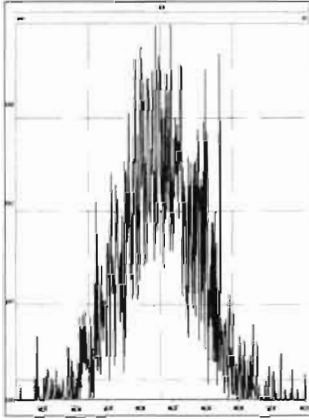
M 480.9696 R 16623



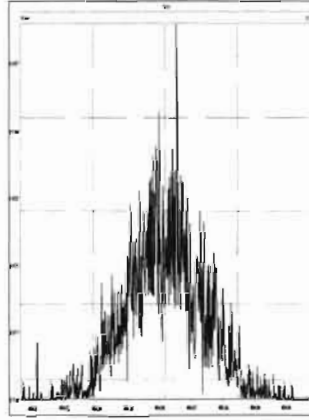
M 430.9728 R 9622 *JK*



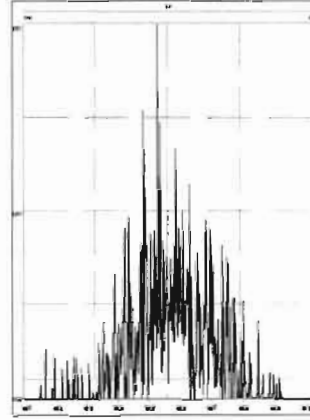
M 442.9728 R 11037



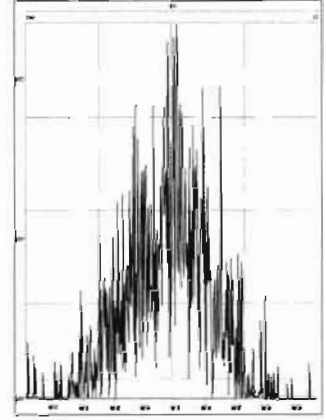
M 454.9728 R 12806



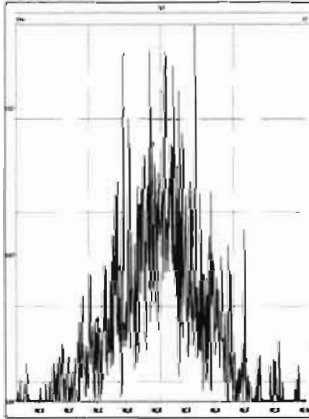
M 466.9728 R 34253



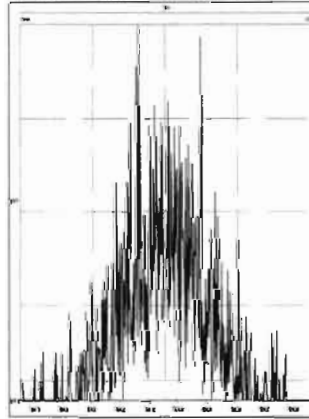
M 480.9696 R 13840



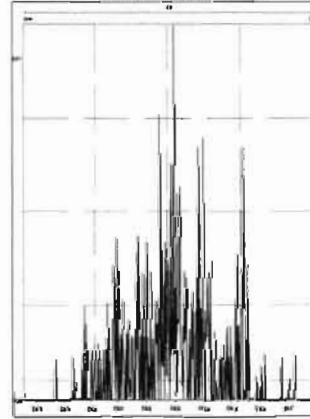
M 492.9696 R 14730



M 504.9696 R 16288



M 516.9697 R 505950



**ANALYTICAL CALIBRATION STANDARDS REVIEW CHECKLIST**

Begin Calibration ID: ST201217D1-1

Reviewed By: GPB 12/18/2020

*Initials & Date*

End Calibration ID: NA

	<u>Begin</u>	<u>End</u>
Ion abundance within QC limits?	<input checked="" type="checkbox"/>	<input type="checkbox"/> NA
Concentrations within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
TCDD/TCDF Valleys <25%	<input checked="" type="checkbox"/>	<input type="checkbox"/>
First and last eluters present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Retention Times within criteria?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Verification Std. named correctly? (ST-Year-Month-Day-VG ID)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Forms signed and dated?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Correct ICAL referenced?	<u>DB</u>	<input type="checkbox"/>
<u>Run Log:</u>		
- Correct Instrument listed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
- Samples within 12 hour clock?	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
- Bottle position verified?	<u>DB</u>	

Mass resolution  $\geq$

5k    6-8K    8K    10K

1614   1699   429   1613/1668/8280

Integrated peaks display correctly?       NA

GC Break <20%    NA

**8280 CS1 End Standard:**

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

**Comments:**

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

Last Altered: Thursday, December 17, 2020 11:17:31 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:18:26 Pacific Standard Time

DB 12/17/20  
GPB 12/18/2020

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

#	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	5.18e3	0.74	NO	1.00	1.000	26.051	26.05	1.001	1.001	9.3022	93.0 78-129	0.246	9.30
2	2 1,2,3,7,8-PeCDD	1.76e4	0.58	NO	0.935	1.000	30.529	30.53	1.001	1.001	48.246	96.5 78-130	0.328	48.2
3	3 1,2,3,4,7,8-HxCDD	1.62e4	1.26	NO	1.15	1.000	33.766	33.77	1.000	1.000	49.060	98.1 78-128	0.821	49.1
4	4 1,2,3,6,7,8-HxCDD	1.84e4	1.20	NO	1.02	1.000	33.866	33.89	1.000	1.001	47.239	94.5 78-128	0.886	47.2
5	5 1,2,3,7,8,9-HxCDD	1.61e4	1.30	NO	1.06	1.000	34.185	34.16	1.001	1.000	48.025	96.0 82-122	1.11	48.0
6	6 1,2,3,4,6,7,8-HpCDD	1.39e4	1.01	NO	1.00	1.000	37.585	37.59	1.000	1.000	46.534	93.1 86-116	0.915	46.5
7	7 OCDD	2.66e4	0.90	NO	0.952	1.000	40.723	40.75	1.000	1.001	95.639	95.6 79-126	1.38	95.6
8	8 2,3,7,8-TCDF	7.38e3	0.80	NO	1.01	1.000	25.403	25.39	1.001	1.001	9.2813	92.8 84-120	0.235	9.28
9	9 1,2,3,7,8-PeCDF	2.89e4	1.56	NO	0.998	1.000	29.321	29.32	1.001	1.001	48.163	96.3 82-120	0.415	48.2
10	10 2,3,4,7,8-PeCDF	3.15e4	1.58	NO	1.07	1.000	30.357	30.33	1.001	1.000	49.703	99.4 82-120	0.406	49.7
11	11 1,2,3,4,7,8-HxCDF	2.13e4	1.22	NO	1.05	1.000	32.845	32.86	1.000	1.000	46.565	93.1 90-112	0.714	46.6
12	12 1,2,3,6,7,8-HxCDF	2.57e4	1.34	NO	1.10	1.000	32.987	33.00	1.000	1.001	48.414	96.8 88-114	0.656	48.4
13	13 2,3,4,6,7,8-HxCDF	2.25e4	1.29	NO	1.09	1.000	33.680	33.67	1.001	1.001	48.204	96.4 88-114	0.743	48.2
14	14 1,2,3,7,8,9-HxCDF	1.95e4	1.29	NO	1.08	1.000	34.655	34.67	1.000	1.000	47.103	94.2 90-112	0.987	47.1
15	15 1,2,3,4,6,7,8-HpCDF	1.90e4	1.03	NO	1.13	1.000	36.272	36.25	1.001	1.000	48.228	96.5 90-110	0.848	48.2
16	16 1,2,3,4,7,8,9-HpCDF	1.56e4	1.02	NO	1.29	1.000	38.232	38.24	1.000	1.000	48.667	97.3 86-116	0.992	48.7
17	17 OCDF	3.26e4	0.85	NO	0.953	1.000	41.063	41.07	1.000	1.000	96.944	96.9 63-159	1.05	96.9
18	18 13C-2,3,7,8-TCDD	5.56e4	0.77	NO	1.17	1.000	25.943	26.02	1.026	1.029	88.888	88.9 82-121	0.965	
19	19 13C-1,2,3,7,8-PeCDD	3.90e4	0.64	NO	0.914	1.000	30.492	30.51	1.206	1.207	80.049	80.0 62-160	0.583	
20	20 13C-1,2,3,4,7,8-HxCDD	2.86e4	1.31	NO	0.634	1.000	33.761	33.76	1.014	1.014	88.686	88.7 85-117	1.01	
21	21 13C-1,2,3,6,7,8-HxCDD	3.80e4	1.30	NO	0.724	1.000	33.871	33.87	1.017	1.017	103.27	103 85-118	0.886	
22	22 13C-1,2,3,7,8,9-HxCDD	3.16e4	1.36	NO	0.716	1.000	34.141	34.15	1.025	1.026	86.782	86.8 85-118	0.897	
23	23 13C-1,2,3,4,6,7,8-HpCDD	2.99e4	1.08	NO	0.660	1.000	37.590	37.57	1.129	1.129	89.100	89.1 72-138	1.46	
24	24 13C-OCDD	5.84e4	0.87	NO	0.587	1.000	40.600	40.72	1.219	1.223	195.74	97.9 48-207	1.77	
25	25 13C-2,3,7,8-TCDF	7.85e4	0.78	NO	1.02	1.000	25.344	25.38	1.002	1.004	82.128	82.1 71-140	0.829	
26	26 13C-1,2,3,7,8-PeCDF	6.01e4	1.60	NO	0.842	1.000	29.223	29.30	1.156	1.159	76.342	76.3 76-150	0.879	
27	27 13C-2,3,4,7,8-PeCDF	5.90e4	1.58	NO	0.802	1.000	30.115	30.33	1.191	1.199	78.719	78.7 77-130	0.923	
28	28 13C-1,2,3,4,7,8-HxCDF	4.35e4	0.48	NO	1.00	1.000	32.895	32.85	0.988	0.986	85.338	85.3 76-131	1.07	
29	29 13C-1,2,3,6,7,8-HxCDF	4.83e4	0.50	NO	1.02	1.000	33.028	32.98	0.992	0.990	93.186	93.2 70-143	1.06	
30	30 13C-2,3,4,6,7,8-HxCDF	4.30e4	0.49	NO	0.955	1.000	33.598	33.65	1.009	1.011	88.463	88.5 73-137	1.13	
31	31 13C-1,2,3,7,8,9-HxCDF	3.83e4	0.51	NO	0.851	1.000	34.673	34.66	1.041	1.041	88.472	88.5 74-135	1.26	

Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

Last Altered: Thursday, December 17, 2020 11:17:31 Pacific Standard Time

Printed: Thursday, December 17, 2020 11:18:26 Pacific Standard Time

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	3.49e4	0.42	NO	0.848	1.000	36.191	36.24	1.087	1.088	80.816	80.8 78-129	1.37	
33	33 13C-1,2,3,4,7,8,9-HpCDF	2.49e4	0.42	NO	0.624	1.000	38.189	38.23	1.147	1.148	78.327	78.3 77-129	1.86	
34	34 13C-OCDF	7.05e4	0.87	NO	0.730	1.000	40.753	41.06	1.224	1.233	189.99	95.0 48-207	0.970	
35	35 37Cl-2,3,7,8-TCDD	6.48e3			1.21	1.000	25.941	26.05	1.026	1.030	10.073	101 79-127	0.131	
36	36 13C-1,2,3,4-TCDD	5.33e4	0.75	NO	1.00	1.000	25.300	25.29	1.000	1.000	100.00	100	1.13	
37	37 13C-1,2,3,4-TCDF	9.35e4	0.75	NO	1.00	1.000	23.880	23.88	1.000	1.000	100.00	100	0.847	
38	38 13C-1,2,3,4,6,9-HxCDF	5.09e4	0.50	NO	1.00	1.000	33.310	33.29	1.000	1.000	100.00	100	1.08	

Dataset:        Untitled

Last Altered:    Friday, December 18, 2020 09:32:04 Pacific Standard Time

Printed:        Friday, December 18, 2020 09:32:29 Pacific Standard Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 10 Dec 2020 12:26:49

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

	# Name	RT
1	1 1,3,6,8-TCDD (First)	22.44
2	2 1,2,8,9-TCDD (Last)	26.89
3	3 1,2,4,7,9-PeCDD (First)	28.35
4	4 1,2,3,8,9-PeCDD (Last)	30.87
5	5 1,2,4,6,7,9-HxCDD (First)	32.13
6	6 1,2,3,7,8,9-HxCDD (Last)	34.16
7	7 1,2,3,4,6,7,9-HpCDD (First)	36.62
8	8 1,2,3,4,6,7,8-HpCDD (Last)	37.59
9	9 1,3,6,8-TCDF (First)	20.21
10	10 1,2,8,9-TCDF (Last)	27.18
11	11 1,3,4,6,8-PeCDF (First)	26.77
12	12 1,2,3,8,9-PeCDF (Last)	31.21
13	13 1,2,3,4,6,8-HxCDF (First)	31.60
14	14 1,2,3,7,8,9-HxCDF (Last)	34.67
15	15 1,2,3,4,6,7,8-HpCDF (First)	36.25
16	16 1,2,3,4,7,8,9-HpCDF (Last)	38.24

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Friday, December 18, 2020 09:31:35 Pacific Standard Time

Printed: Friday, December 18, 2020 09:31:49 Pacific Standard Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Compound name: 2,3,7,8-TCDD

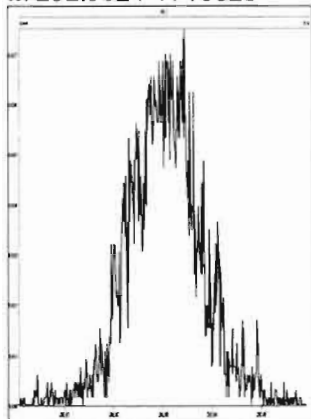
	Name	ID	Acq.Date	Acq.Time
1	201217D1_1	ST201217D1-1 1613 CS3 20L0706	17-Dec-20	10:25:34
2	201217D1_2	SOLVENT BLANK	17-Dec-20	11:10:43
3	201217D1_3	2002549-01 USMPDI-013SG-201116 27.44	17-Dec-20	11:56:55
4	201217D1_4	2002549-02 USMPDI-014SG-201116 24.99	17-Dec-20	12:43:05
5	201217D1_5	2002549-03 USMPDI-018SG-201116 23.06	17-Dec-20	13:29:15
6	201217D1_6	B0L0042-DUP2 Duplicate 22.86	17-Dec-20	14:15:24
7	201217D1_7	2002549-04 USMPDI-022SG-201116 25.26	17-Dec-20	15:01:33
8	201217D1_8	2002549-05 USMPDI-1022SG-201116 24.65	17-Dec-20	15:47:42
9	201217D1_9	2002550-01 NCPDI-043SG-201117 12.96	17-Dec-20	16:33:51
10	201217D1_10	2002550-02 NCPDI-045SG-201117 11.09	17-Dec-20	17:20:00
11	201217D1_11	2002550-03 NCPDI-047SG-201117 8.12	17-Dec-20	18:06:09
12	201217D1_12	2002550-04 NCPDI-068SG-201117 9.99	17-Dec-20	18:52:17



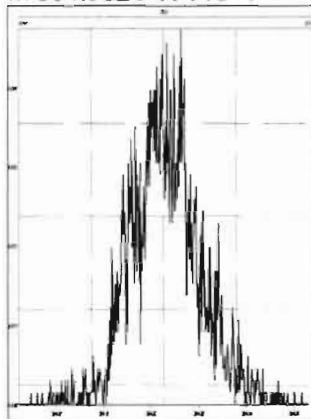
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Thursday, December 17, 2020 10:18:20 Pacific Standard Time

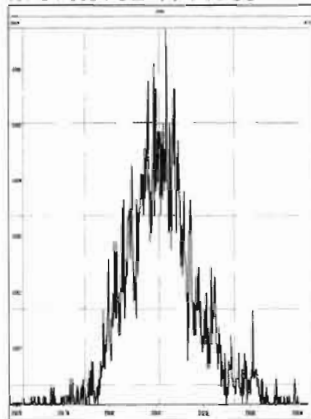
M 292.9824 R 10823



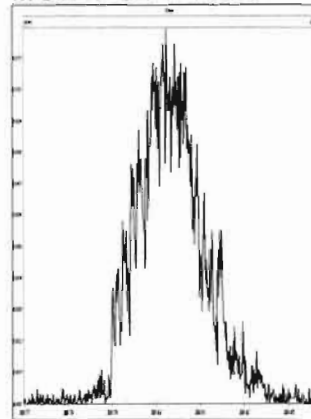
M 304.9824 R 11310



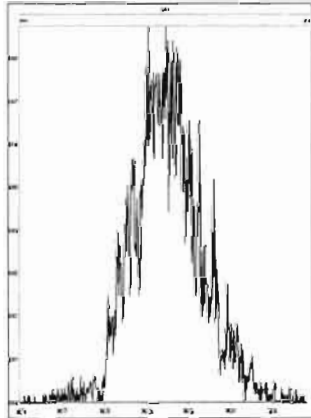
M 318.9792 R 11739



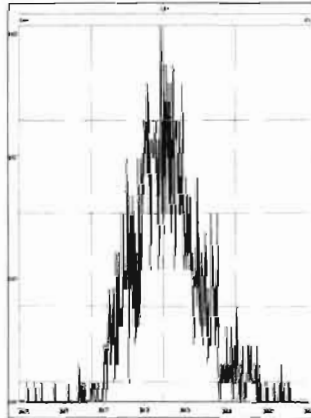
M 330.9792 R 10869



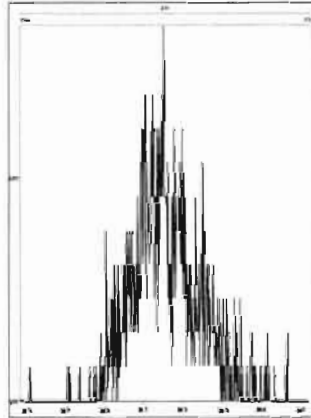
M 342.9792 R 10328



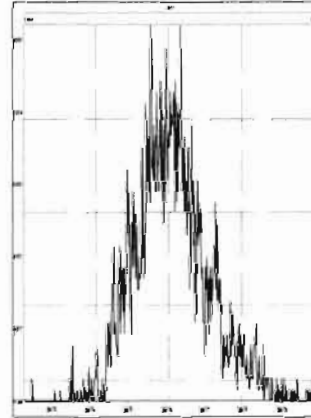
M 354.9792 R 11261



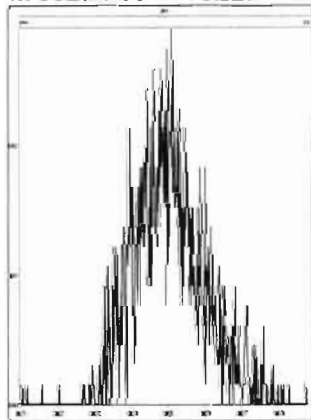
M 366.9792 R 13665



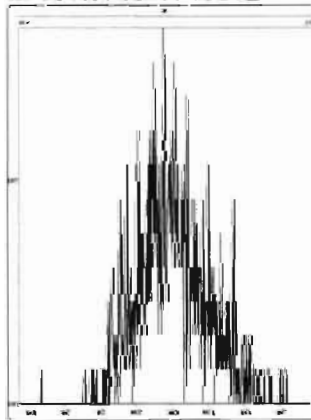
M 380.9760 R 10118



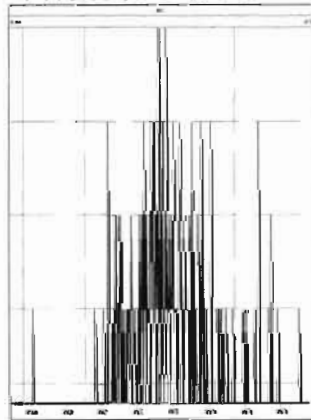
M 392.9760 R 13227



M 404.9760 R 10502



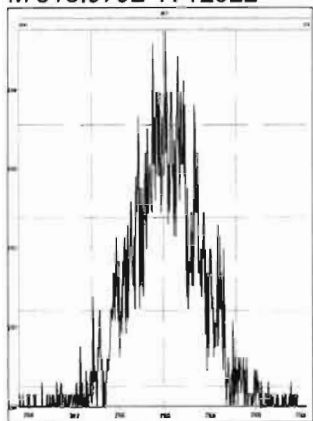
M 416.9760 R 37866



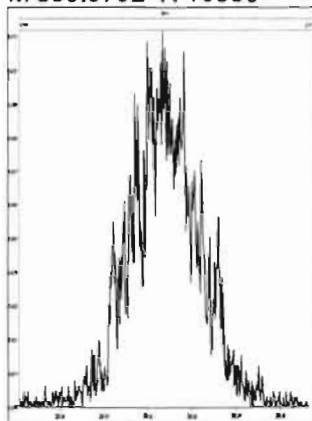
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Printed: Thursday, December 17, 2020 10:19:37 Pacific Standard Time

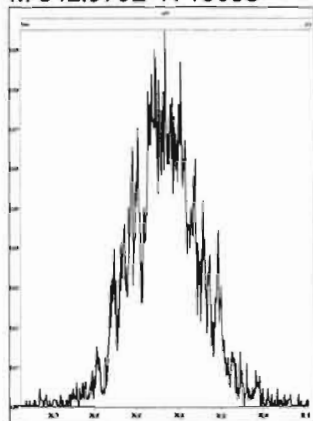
M 318.9792 R 12022



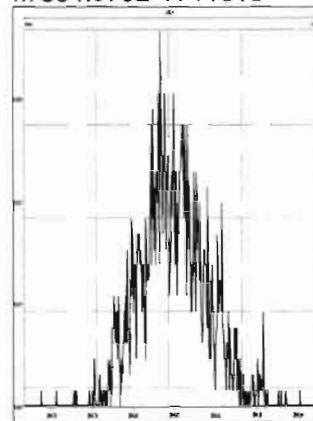
M 330.9792 R 10330



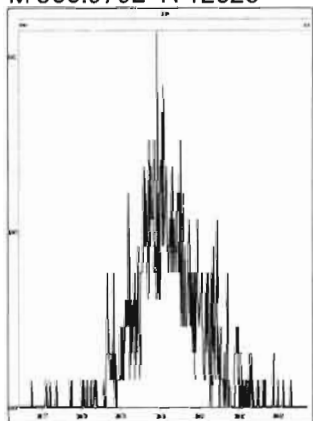
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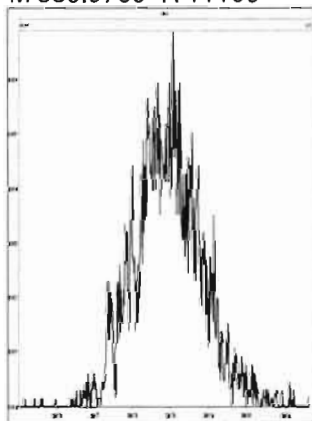
M 354.9792 R 11313



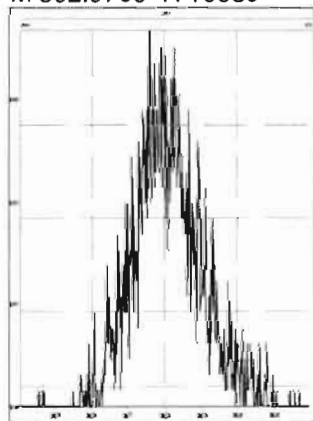
M 366.9792 R 12625



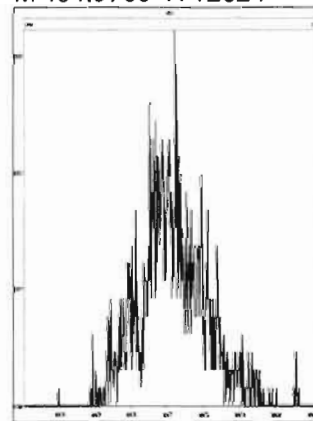
M 380.9760 R 11109



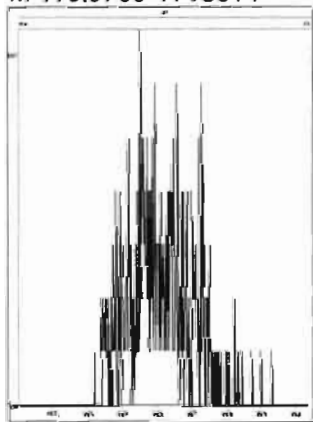
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M 404.9760 R 12624



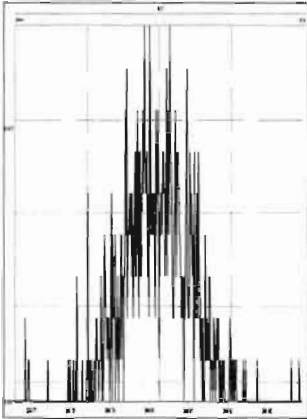
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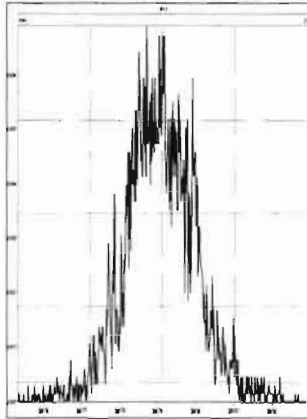
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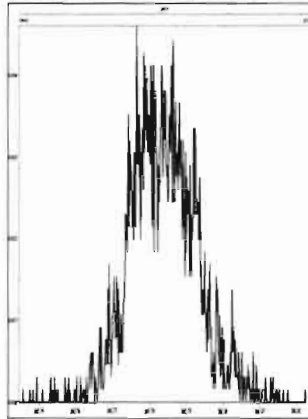
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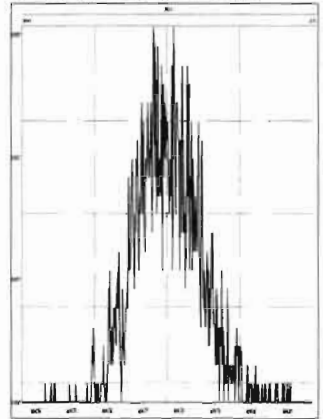
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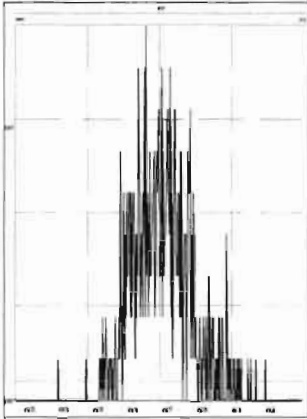
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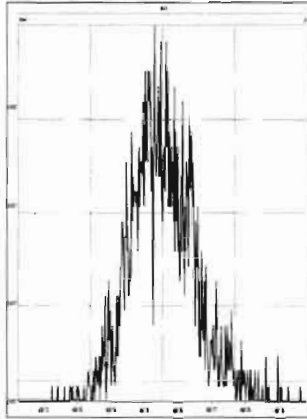
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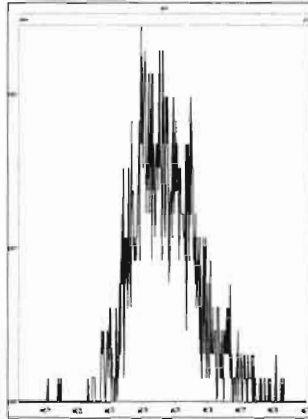
M 416.9760 R 13017



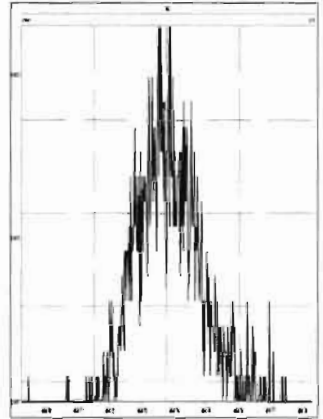
M 430.9728 R 11210



M 442.9728 R 14288



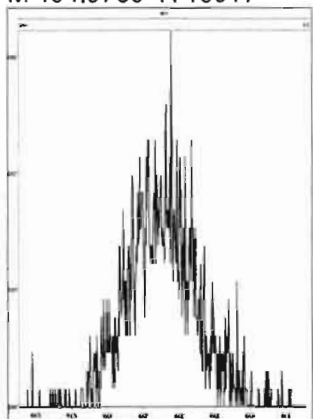
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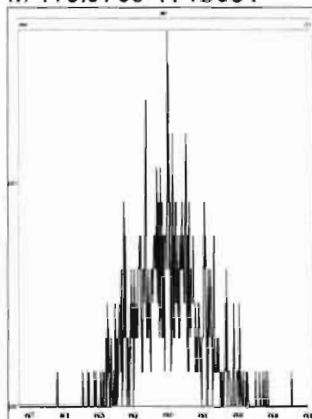
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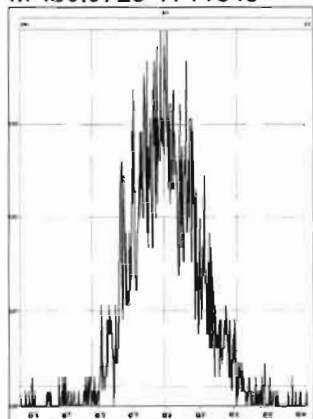
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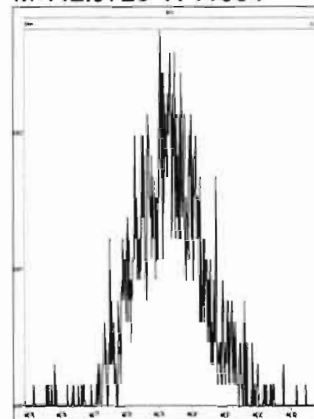
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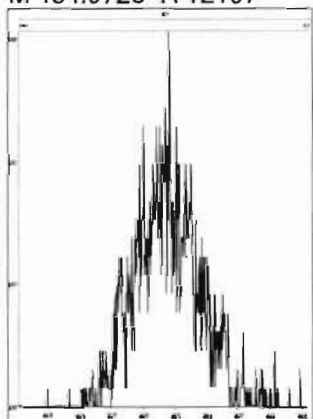
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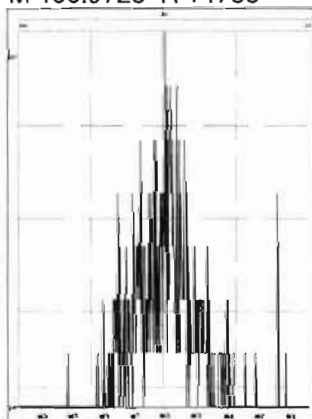
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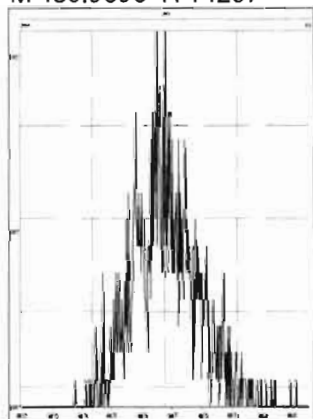
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M 466.9728 R 14788



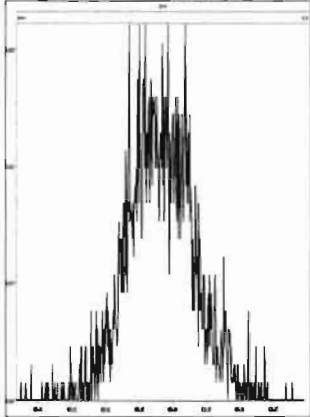
M 480.9696 R 14207



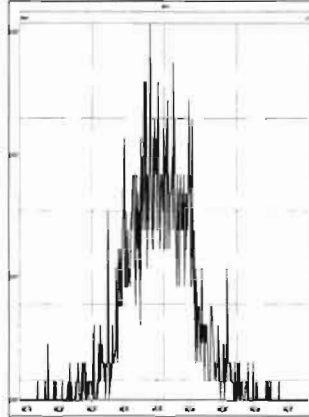
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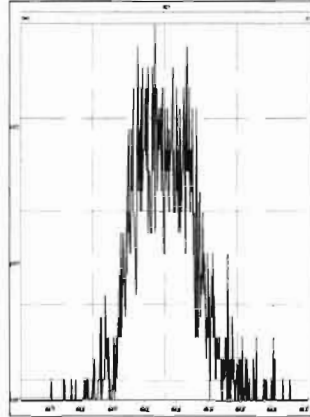
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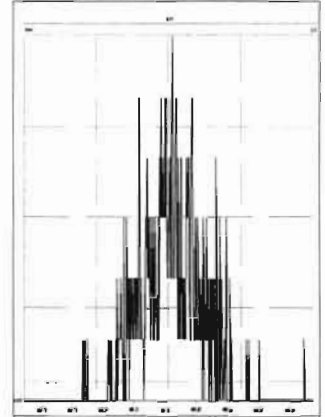
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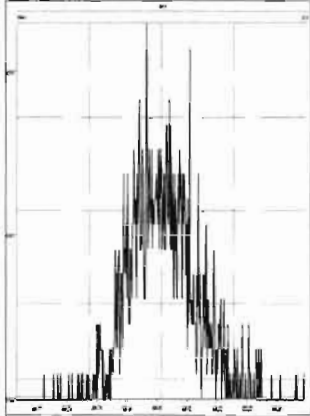
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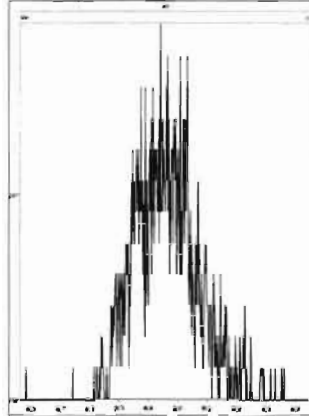
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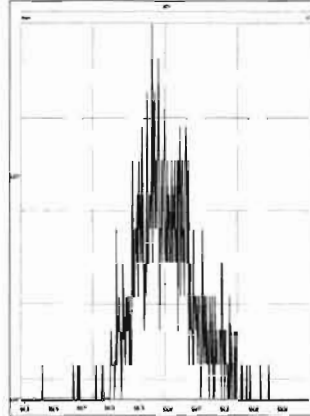
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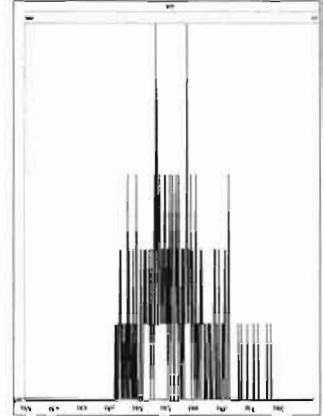
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M 504.9696 R 11161

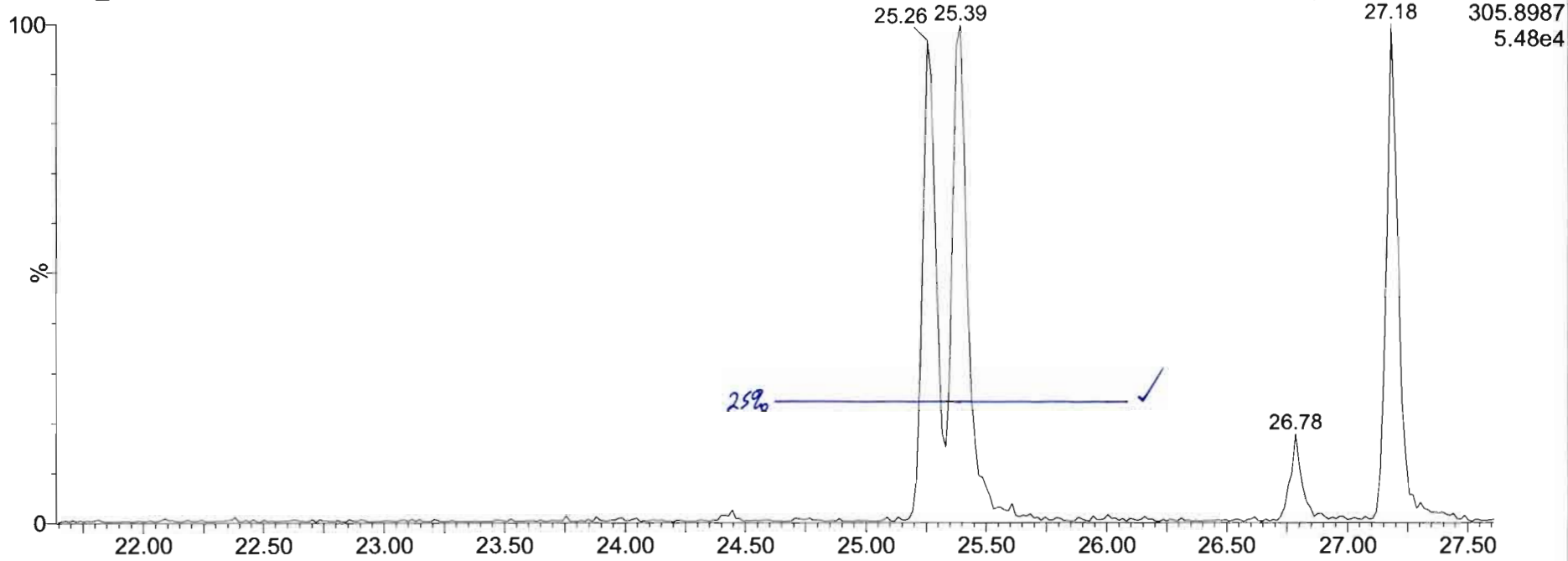


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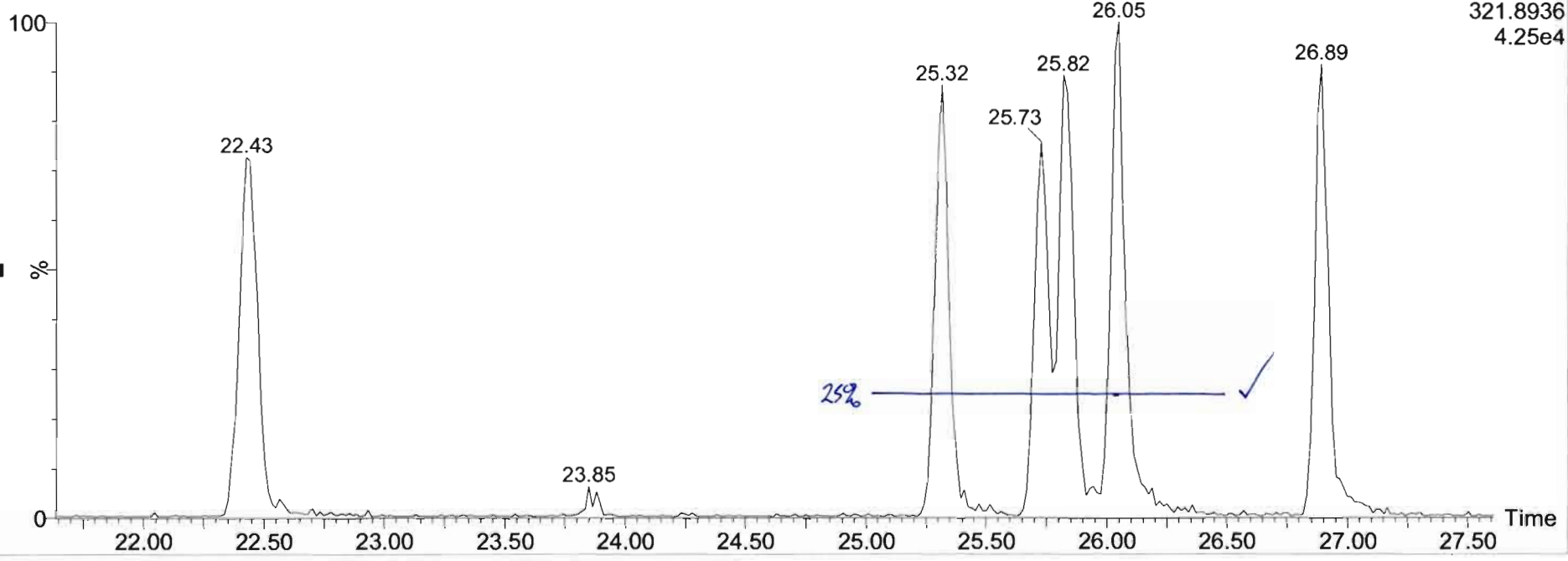
201217D1\_1

1: Voltage SIR 15 Channels EI+



201217D1\_1

1: Voltage SIR 15 Channels EI+



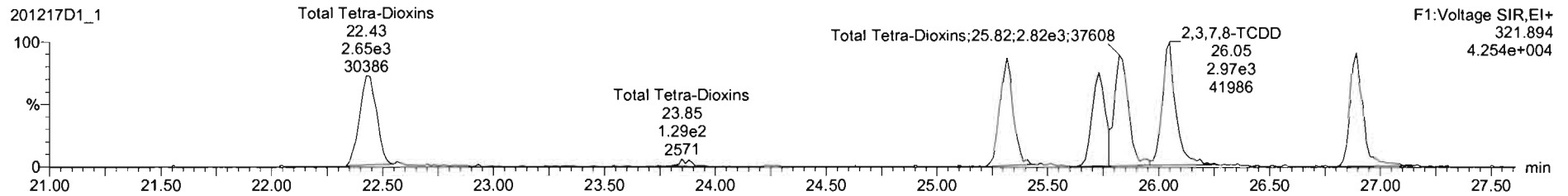
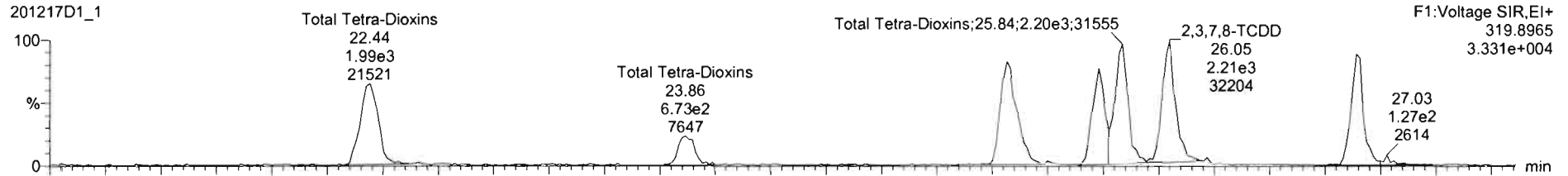
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Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

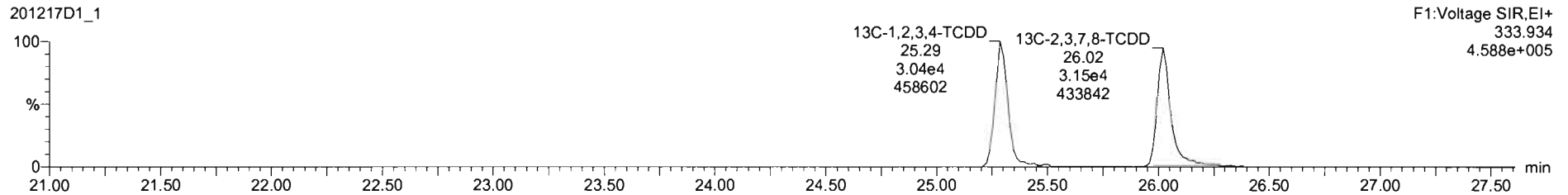
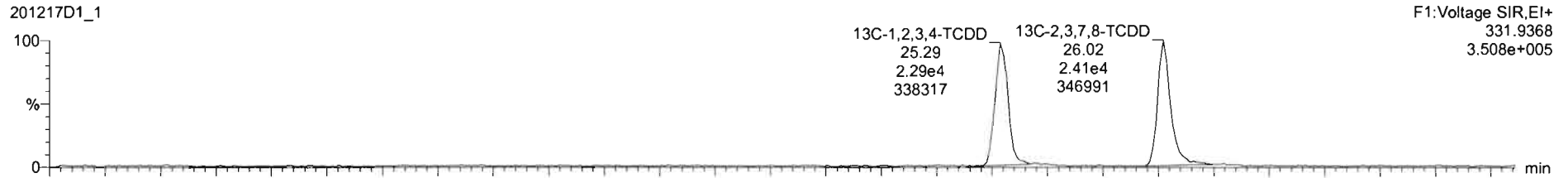
Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 10 Dec 2020 12:07:43  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 09:27:37

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

2,3,7,8-TCDD



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



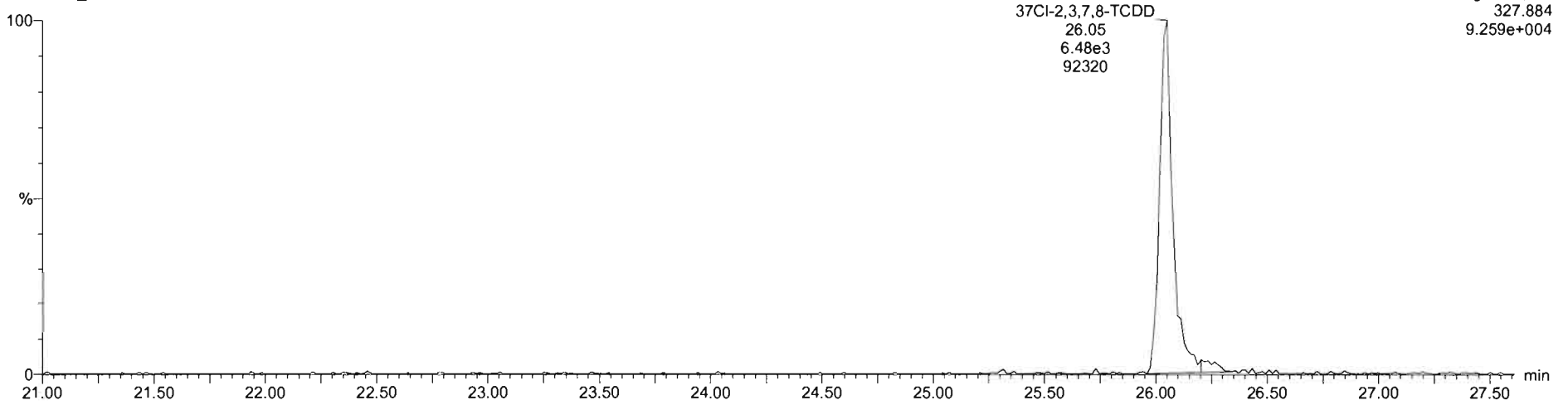
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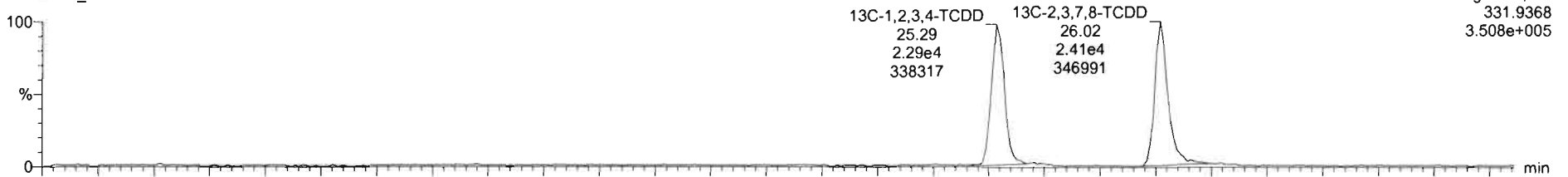
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201217D1\_1

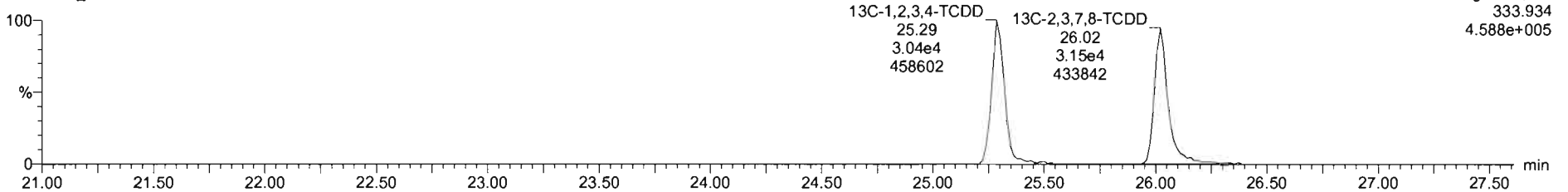


13C-1,2,3,4-TCDD

201217D1\_1



201217D1\_1





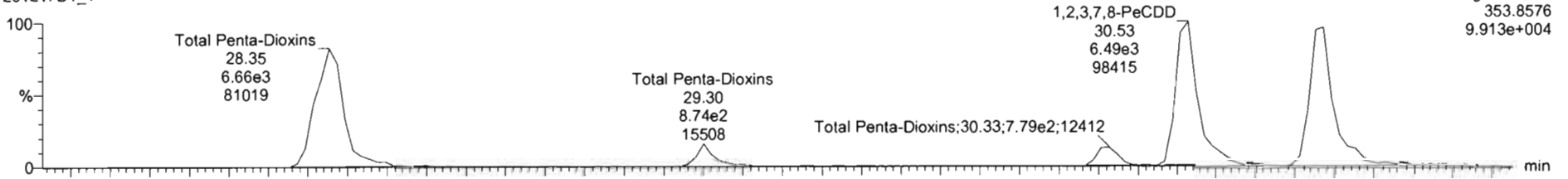
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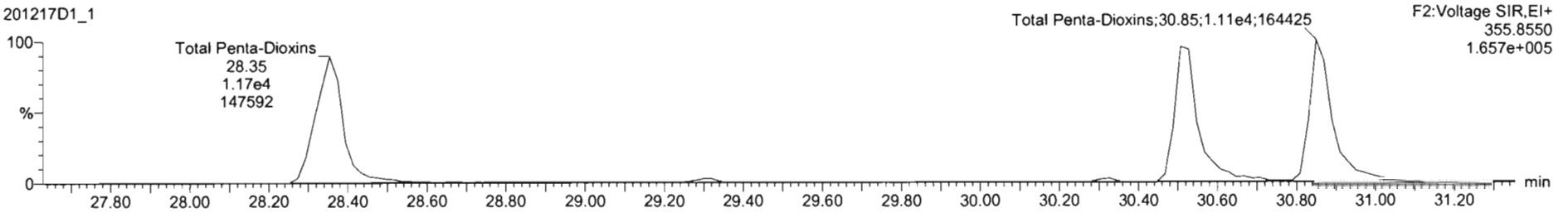
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**1,2,3,7,8-PeCDD**

201217D1\_1

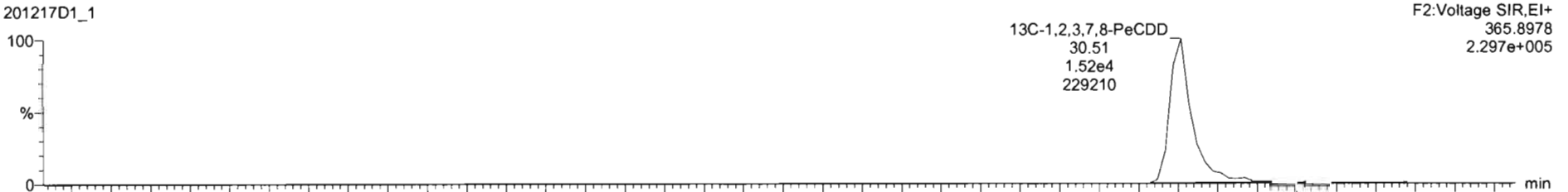


201217D1\_1

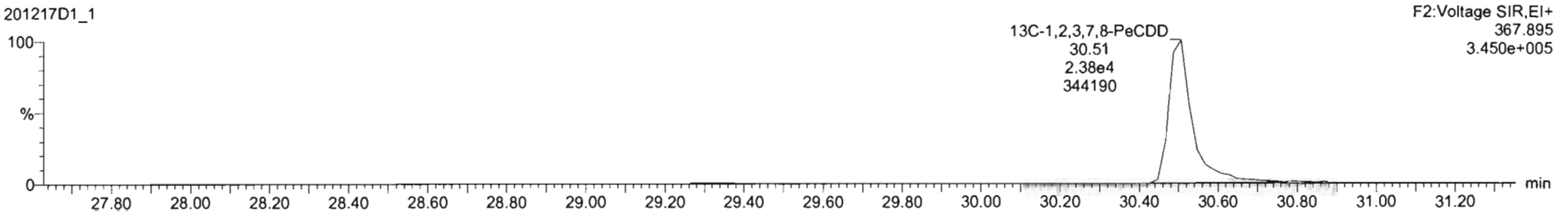


**13C-1,2,3,7,8-PeCDD**

201217D1\_1



201217D1\_1



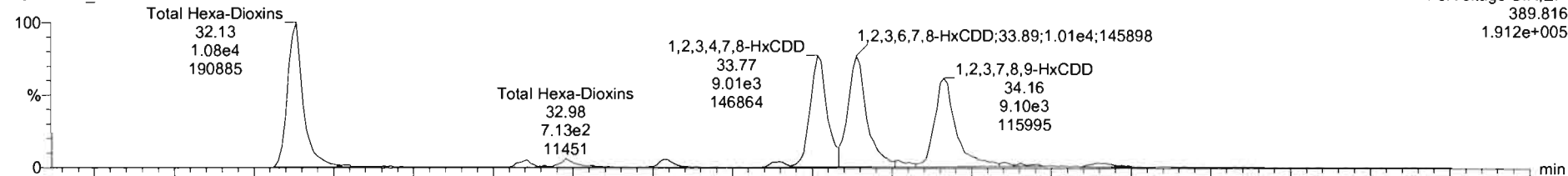
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Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

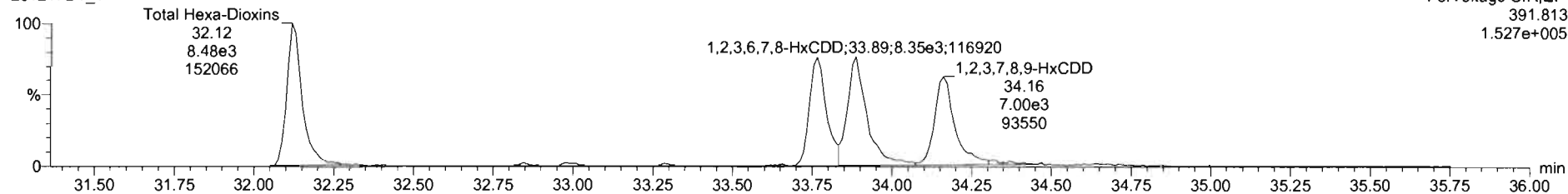
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1,2,3,4,7,8-HxCDD

201217D1\_1

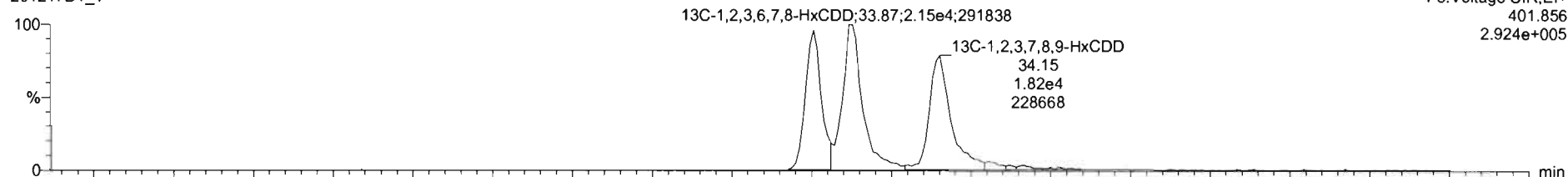


201217D1\_1

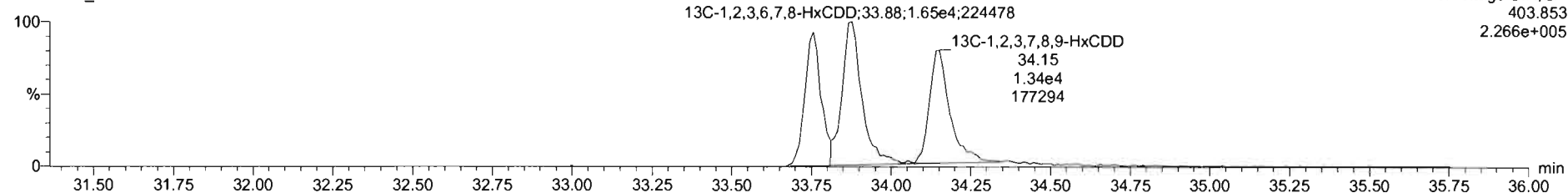


13C-1,2,3,4,7,8-HxCDD

201217D1\_1



201217D1\_1



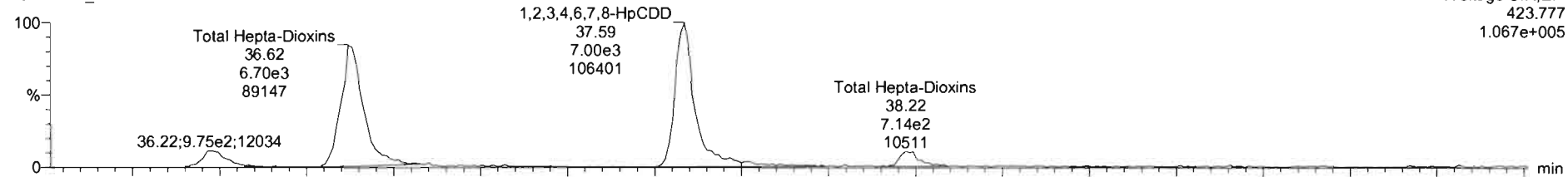
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Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

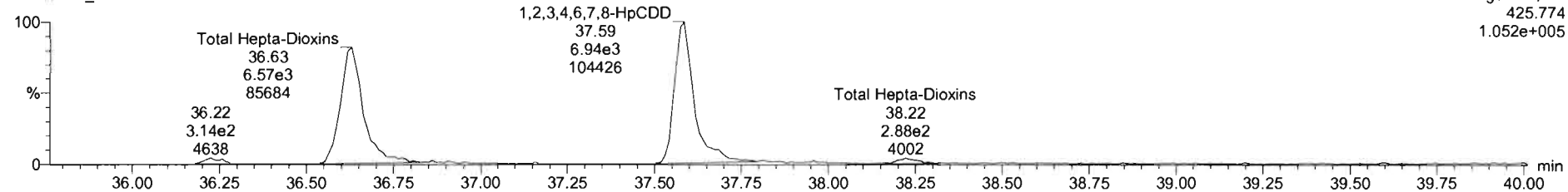
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1,2,3,4,6,7,8-HpCDD

201217D1\_1

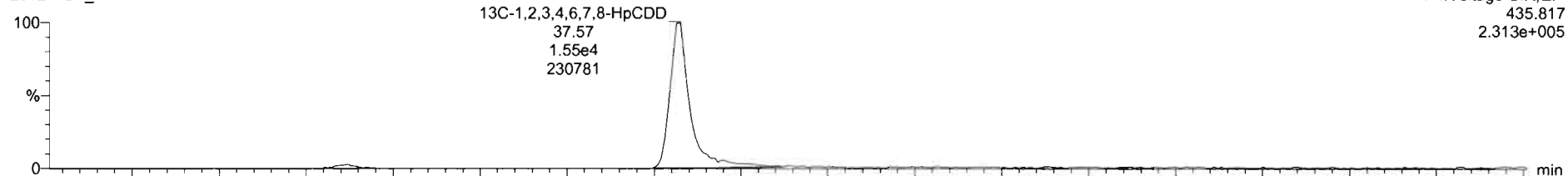


201217D1\_1

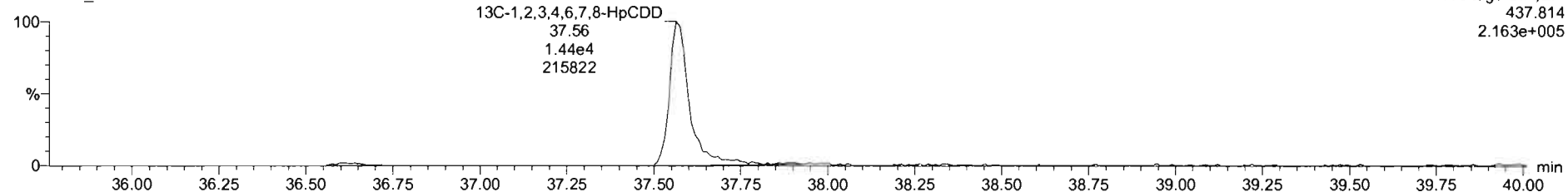


13C-1,2,3,4,6,7,8-HpCDD

201217D1\_1



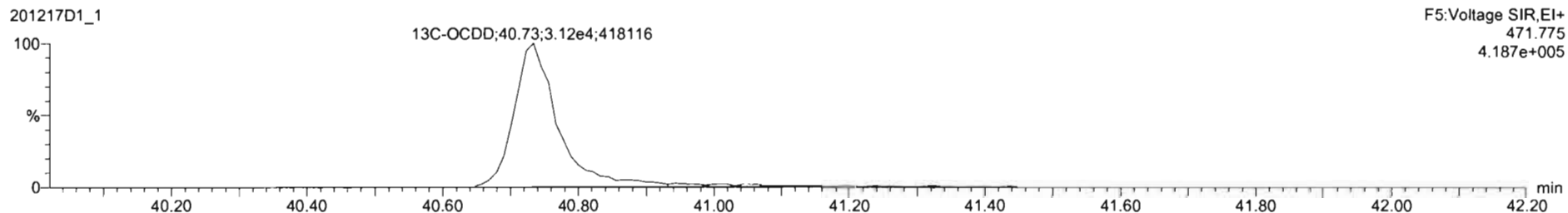
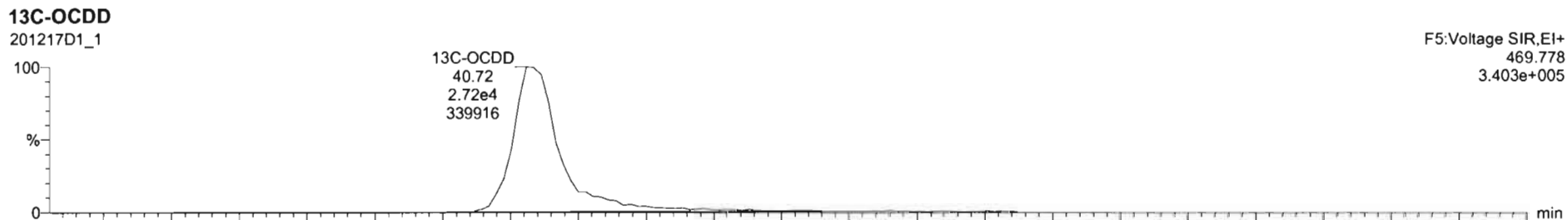
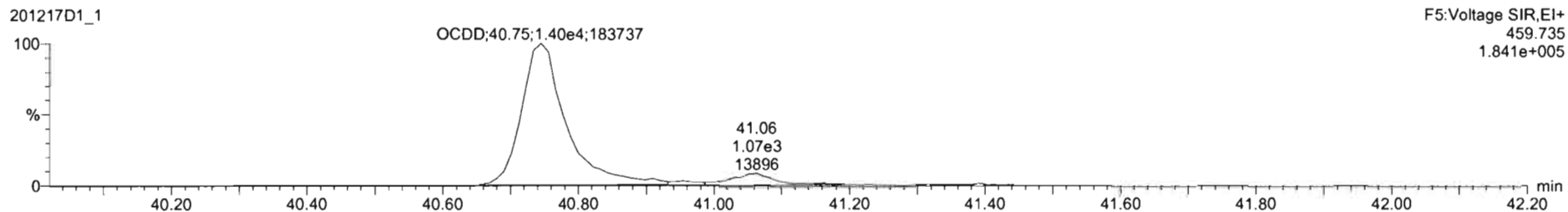
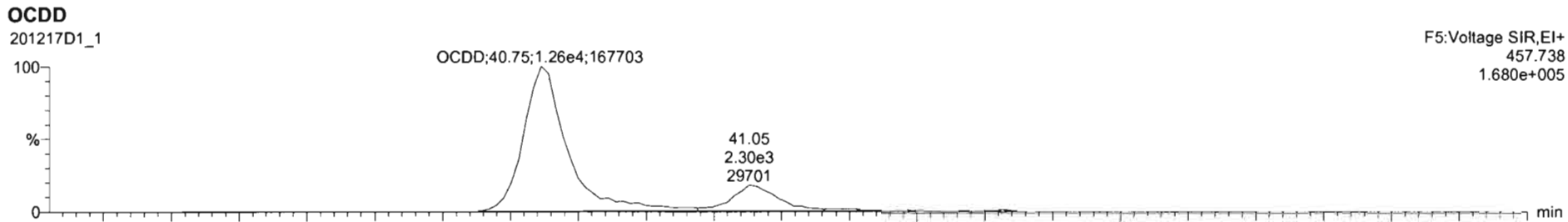
201217D1\_1



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
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Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706



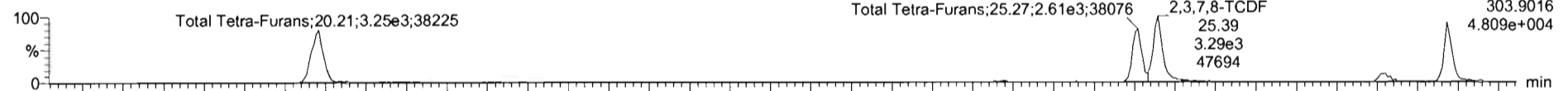
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Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

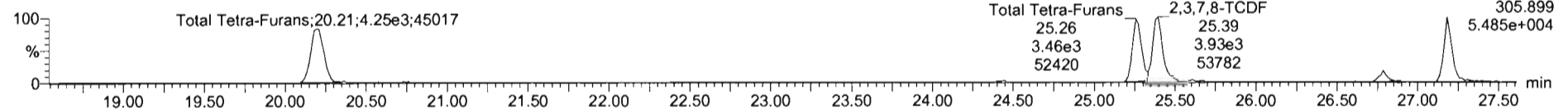
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2,3,7,8-TCDF

201217D1\_1

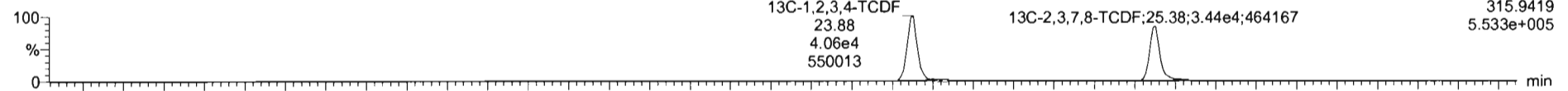


201217D1\_1

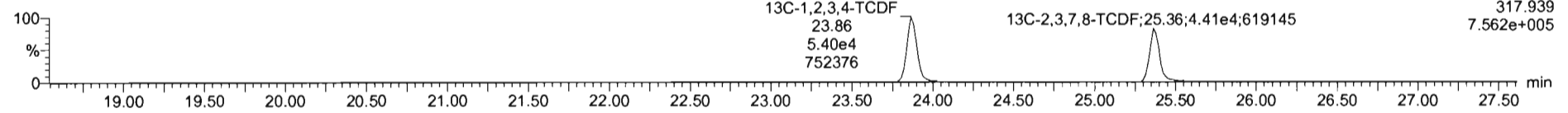


13C-2,3,7,8-TCDF

201217D1\_1

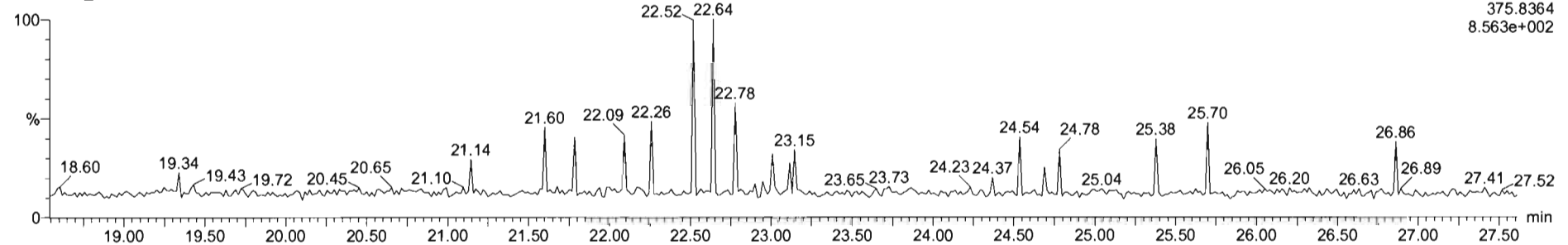


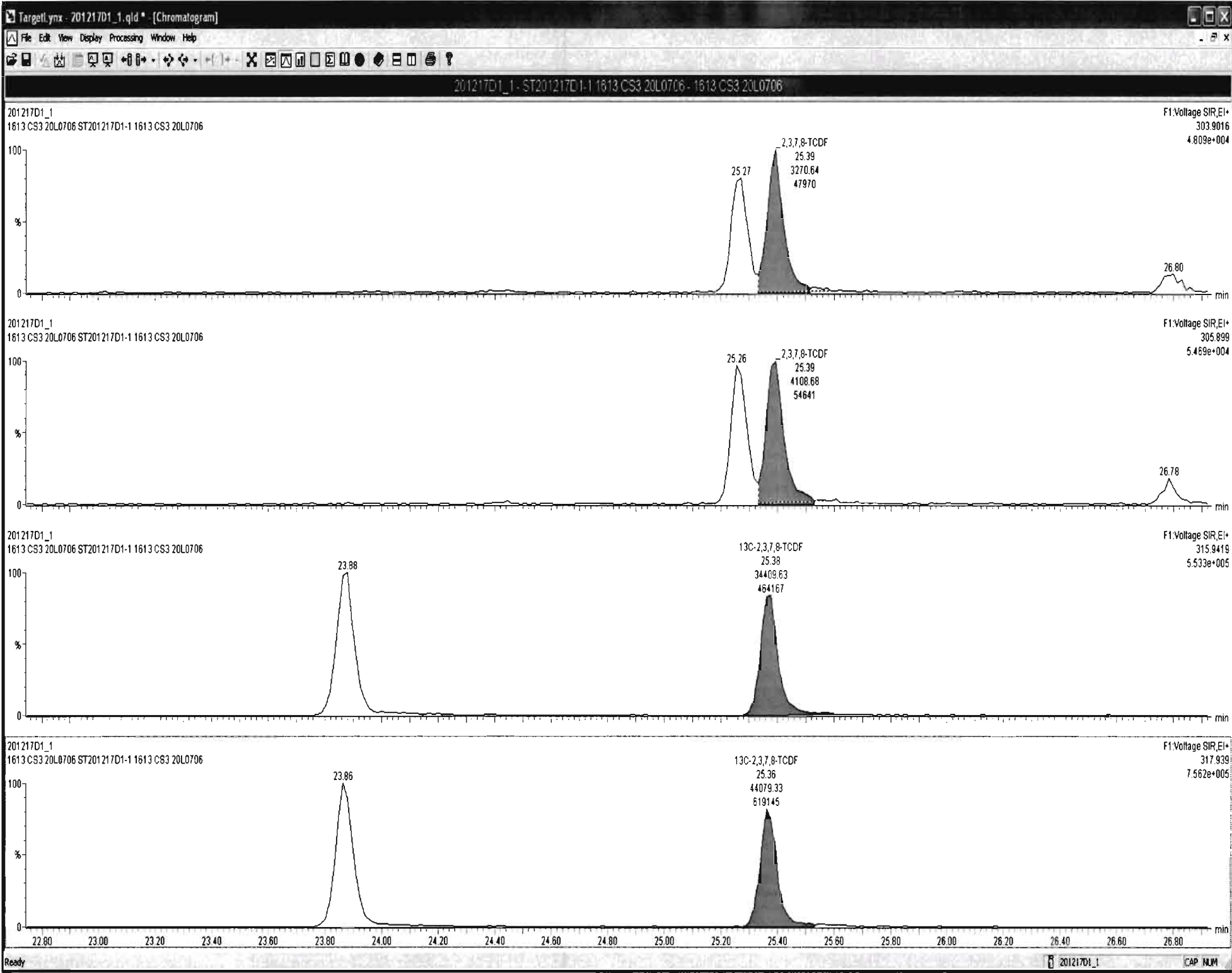
201217D1\_1

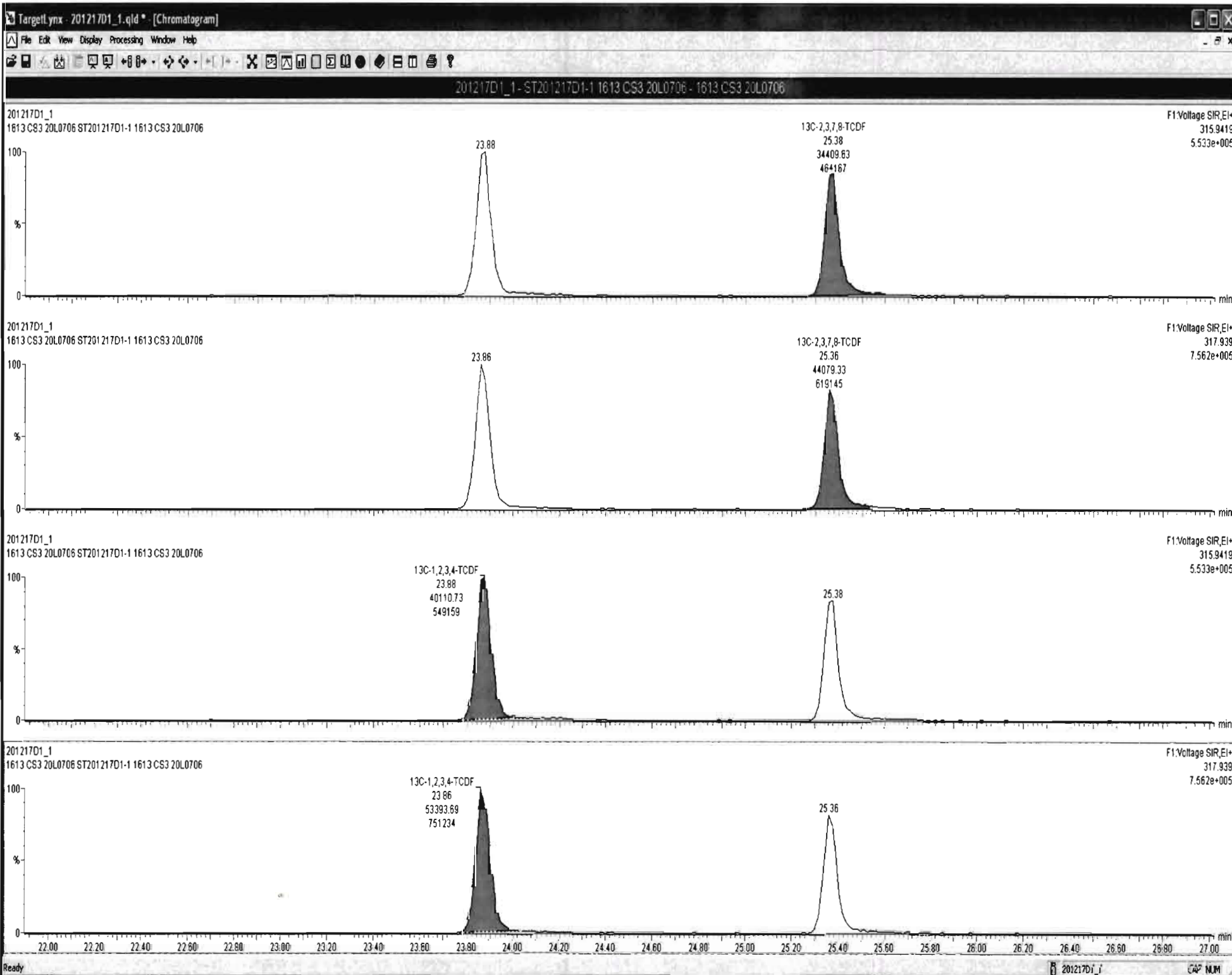


DPE1

201217D1\_1







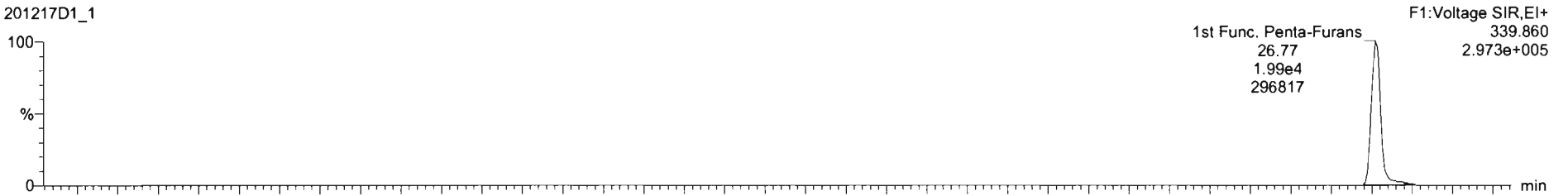
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Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
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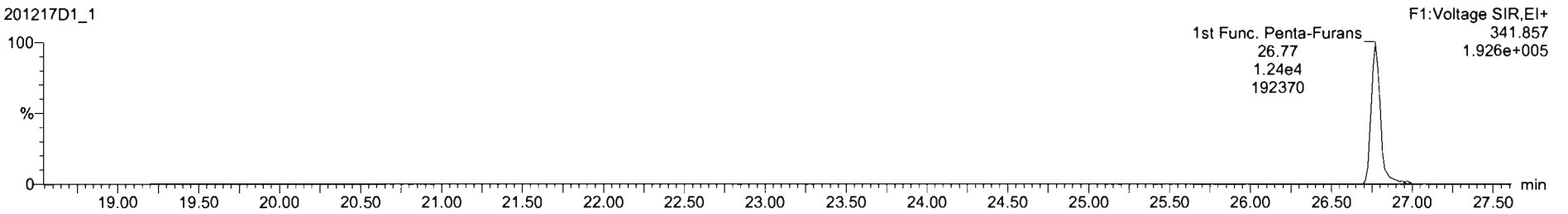
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1st Func. Penta-Furans

201217D1\_1

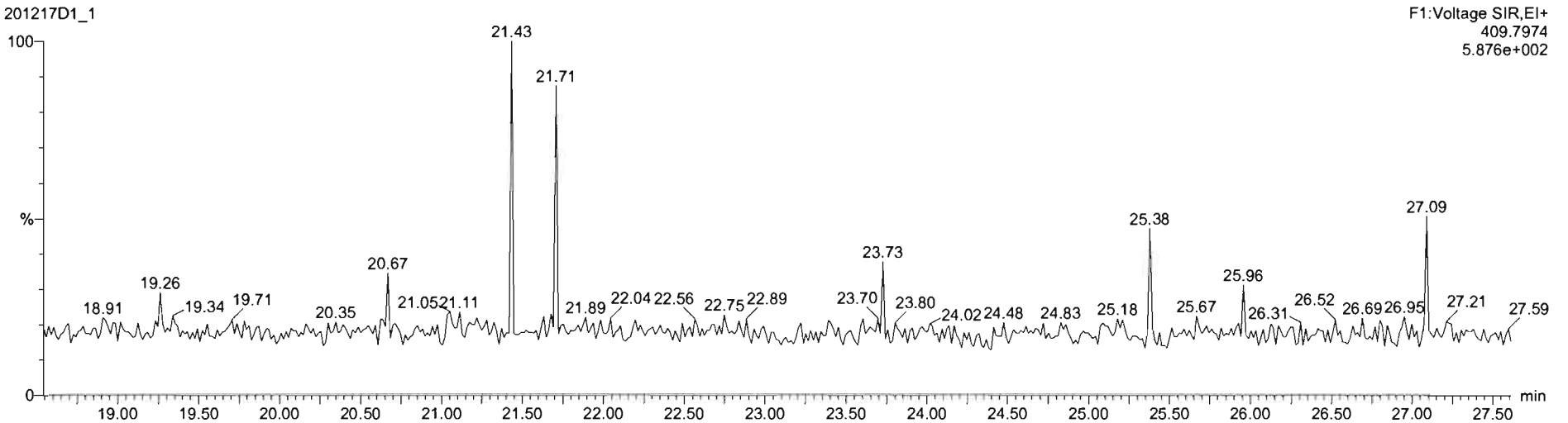


201217D1\_1



DPE6

201217D1\_1



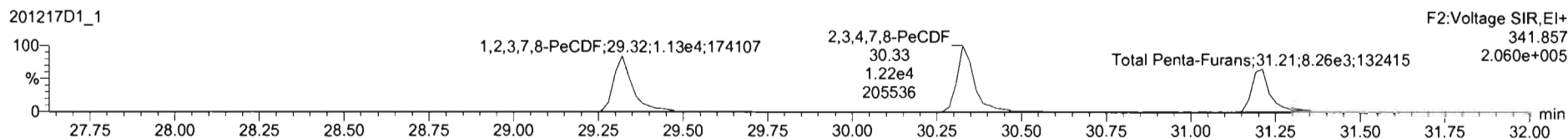
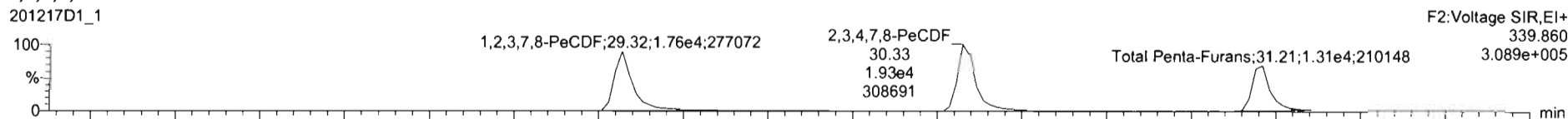


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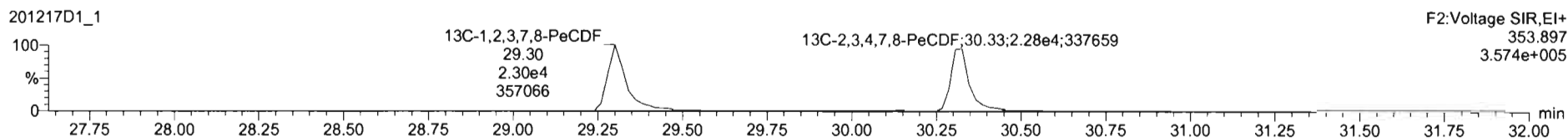
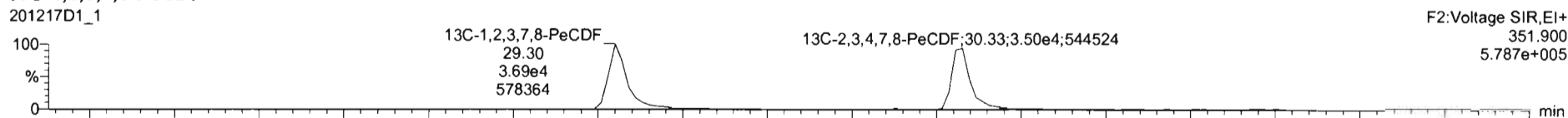
Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

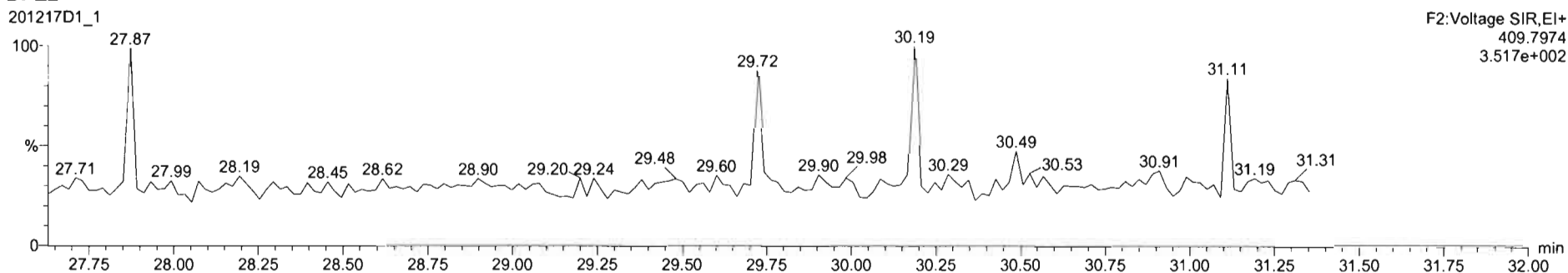
**1,2,3,7,8-PeCDF**

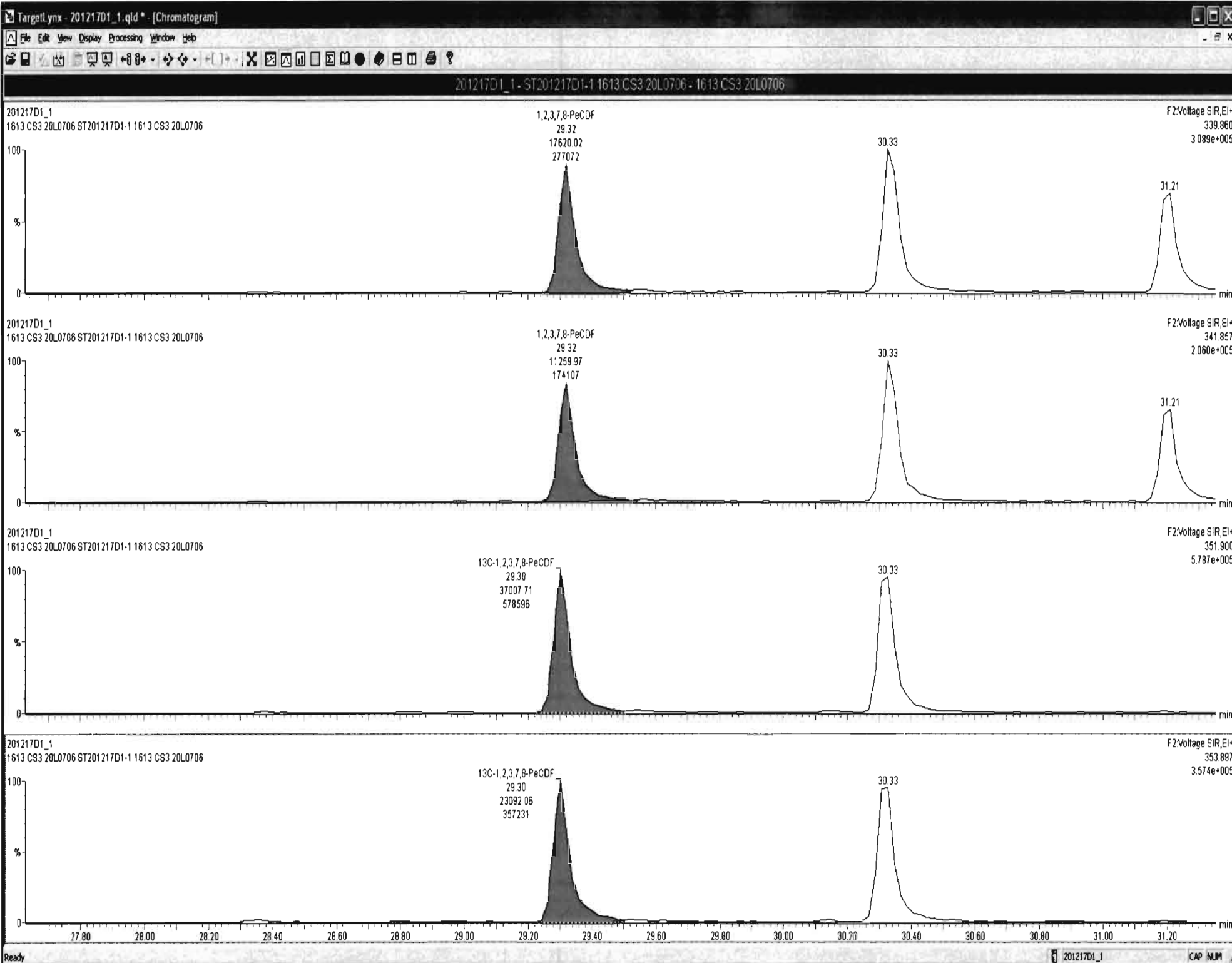


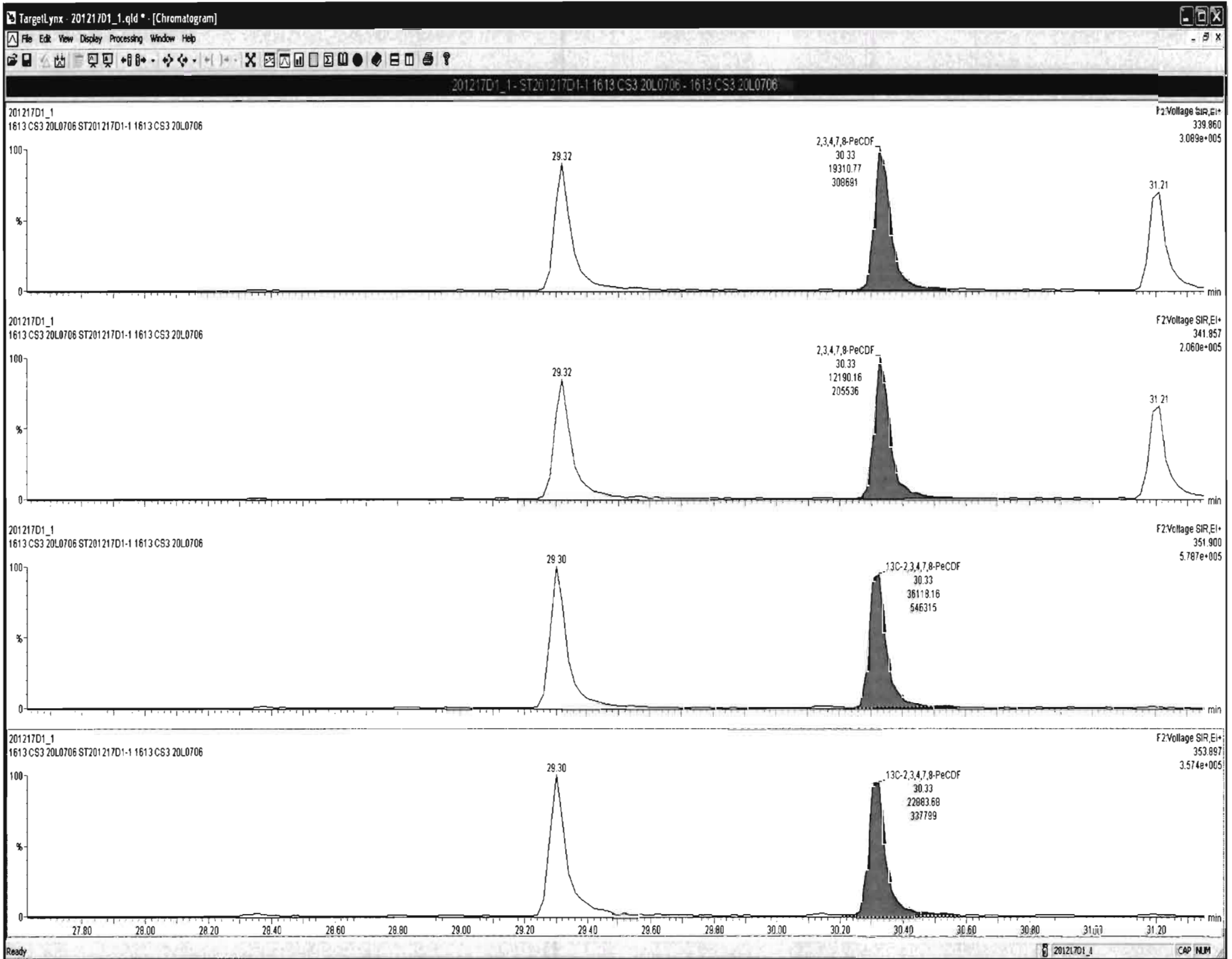
**13C-1,2,3,7,8-PeCDF**



**DPE2**





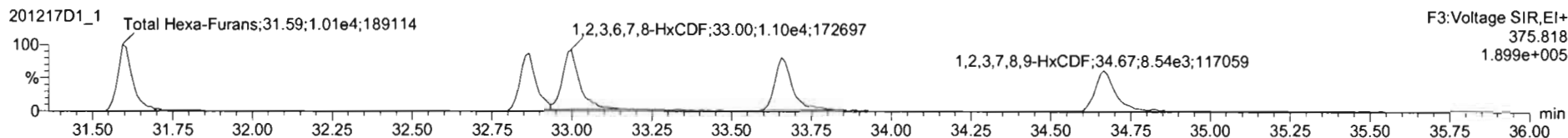
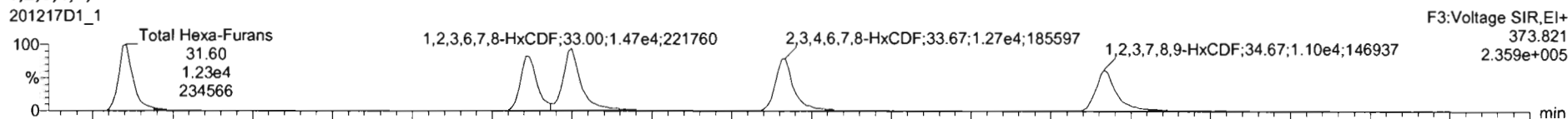


Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

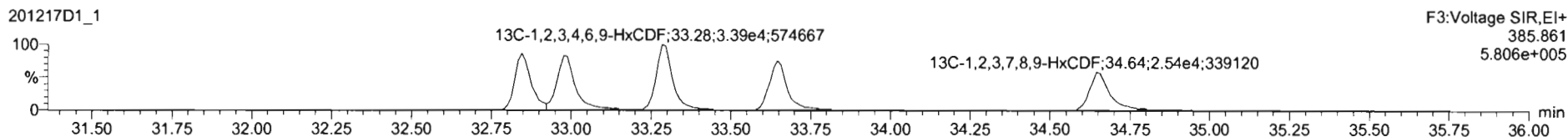
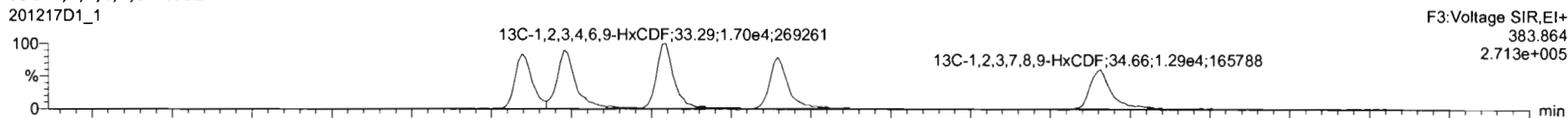
Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

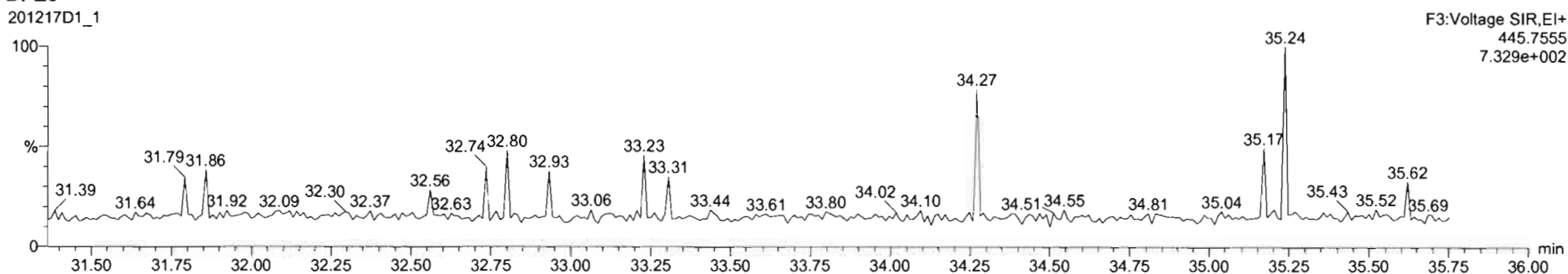
1,2,3,4,7,8-HxCDF



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



DPE3

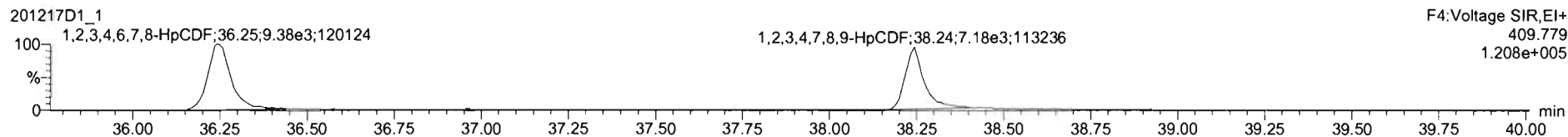
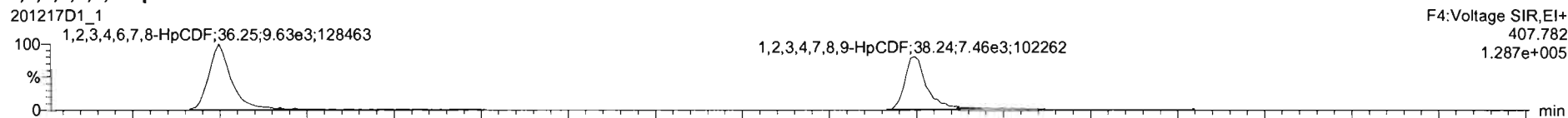


Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

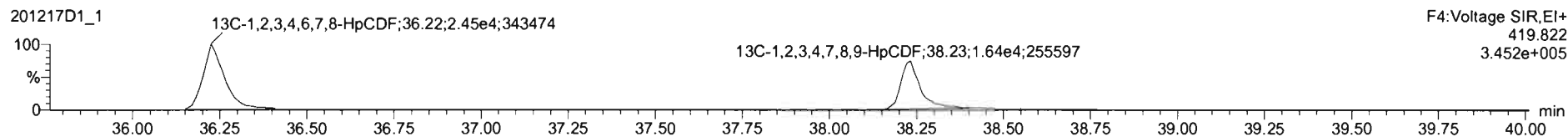
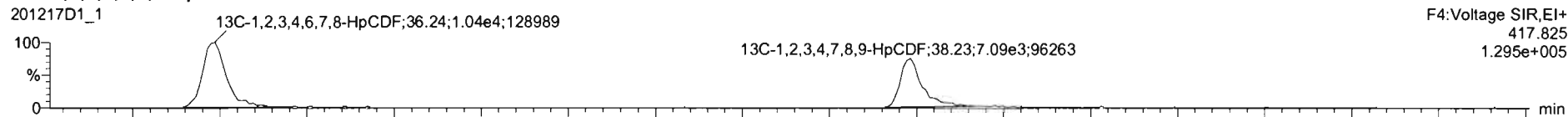
Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

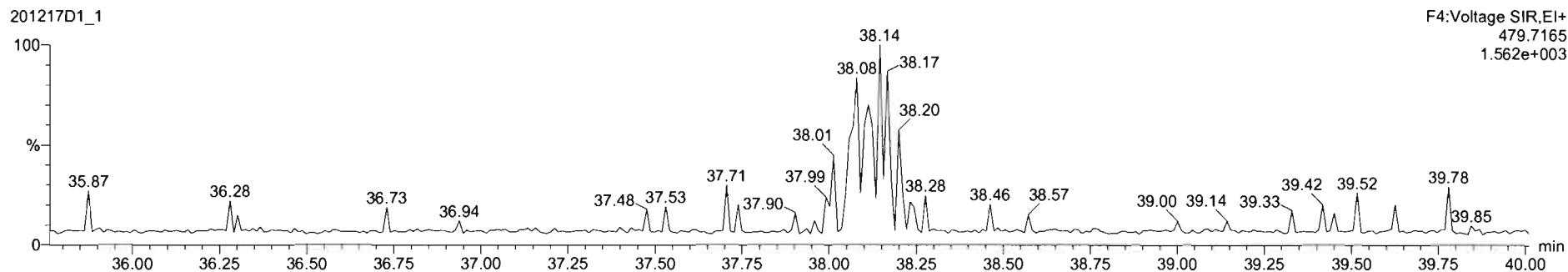
**1,2,3,4,6,7,8-HpCDF**

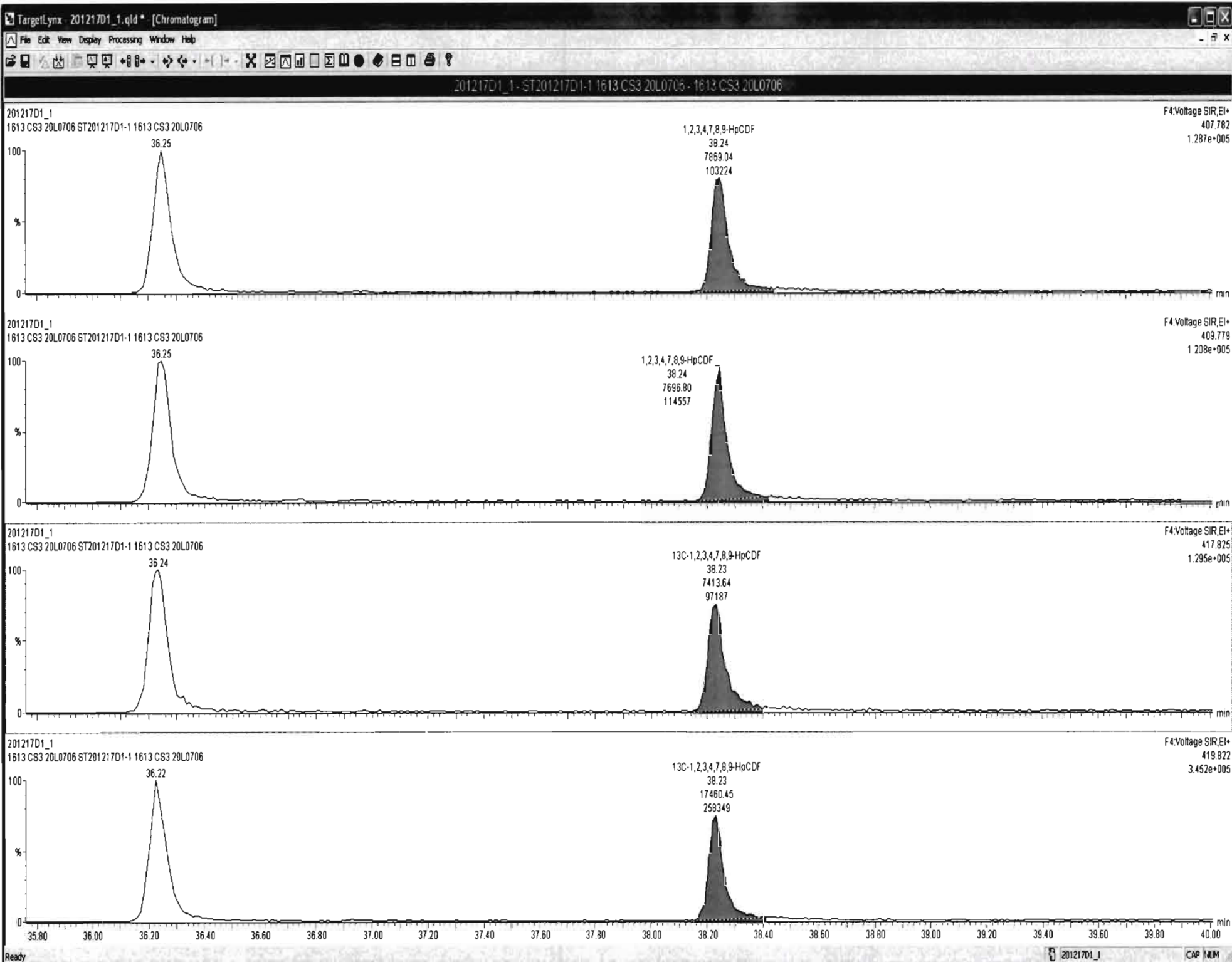


**13C-1,2,3,4,6,7,8-HpCDF**



**DPE4**

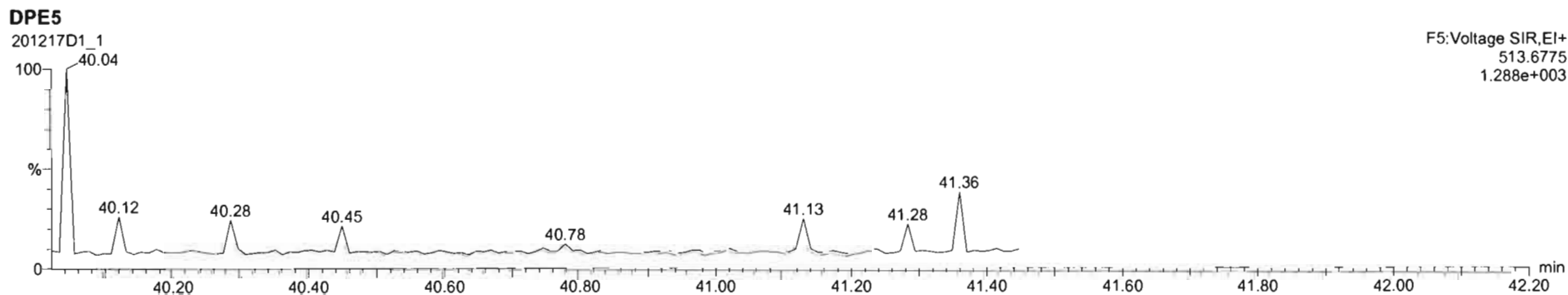
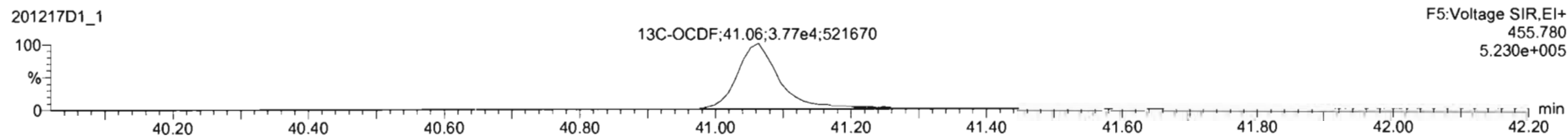
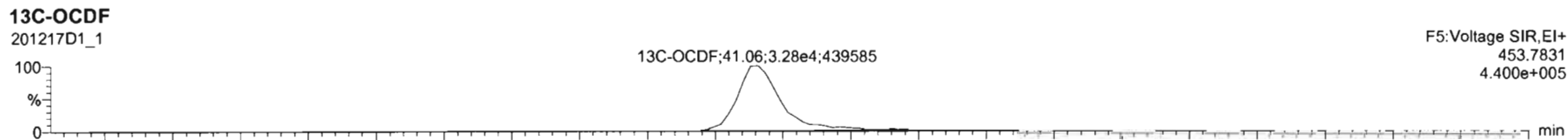
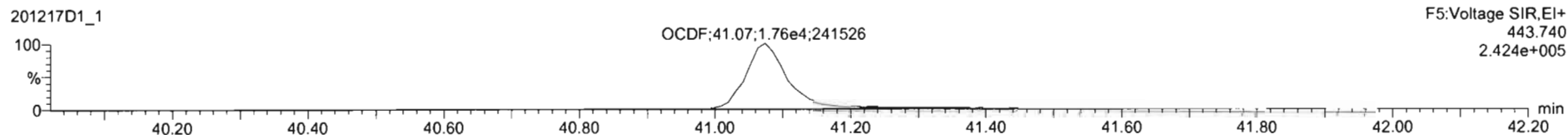
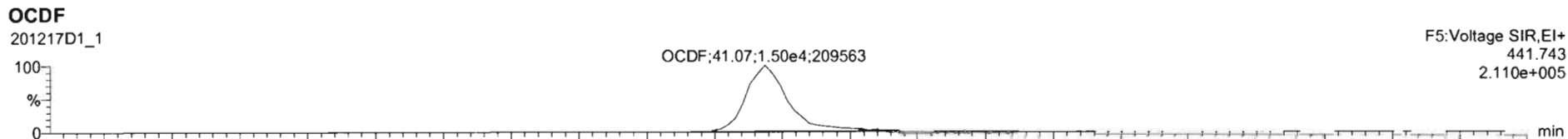




Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

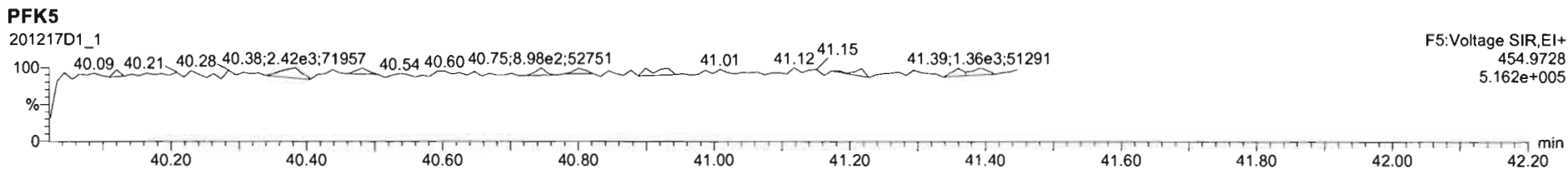
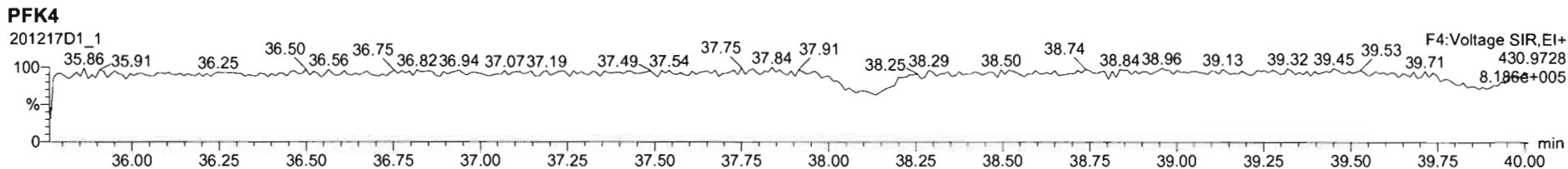
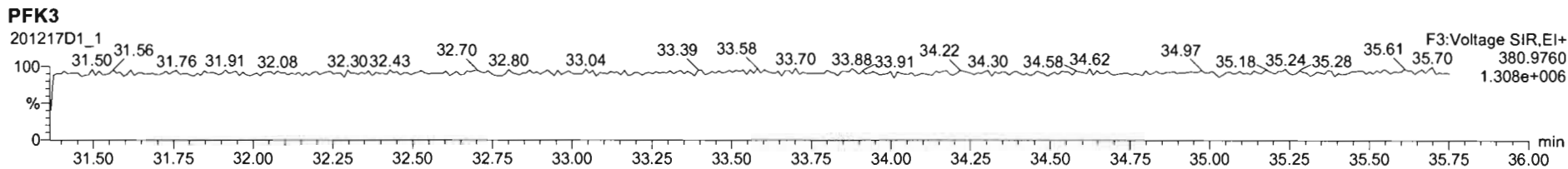
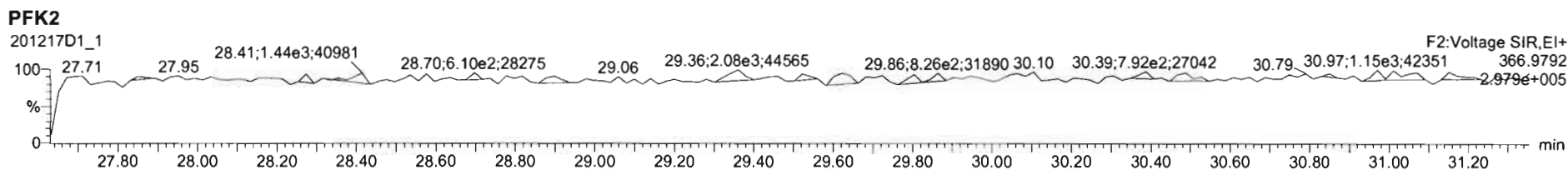
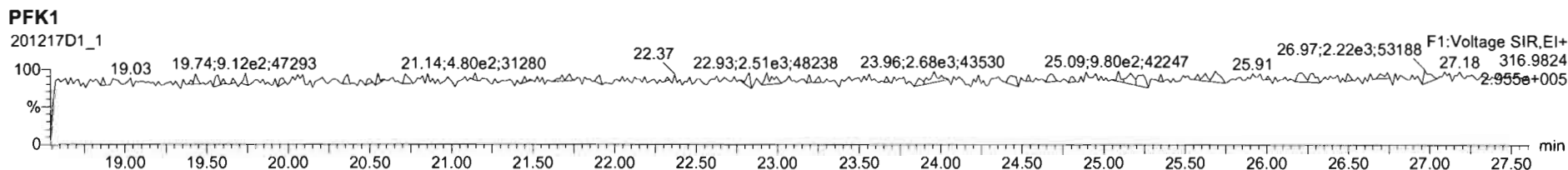
Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706



Dataset: U:\VG7.PRO\Results\201217D1\201217D1\_1.qld

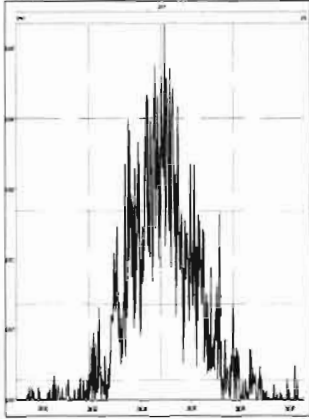
Last Altered: Thursday, December 17, 2020 11:08:08 Pacific Standard Time  
Printed: Thursday, December 17, 2020 11:11:51 Pacific Standard Time

Name: 201217D1\_1, Date: 17-Dec-2020, Time: 10:25:34, ID: ST201217D1-1 1613 CS3 20L0706, Description: 1613 CS3 20L0706

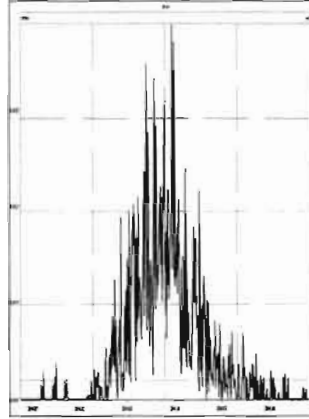




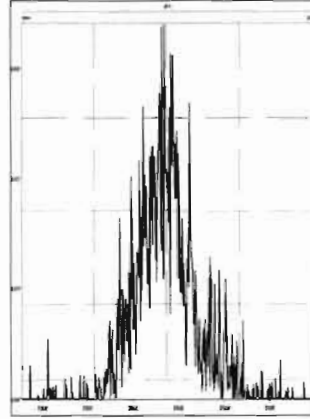
M 292.9824 R 13920



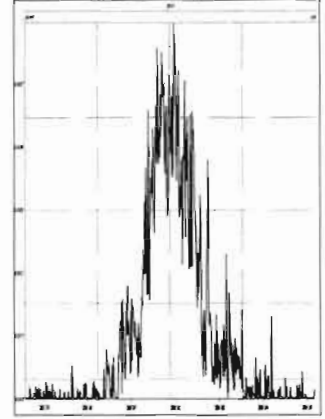
M 304.9824 R 23794



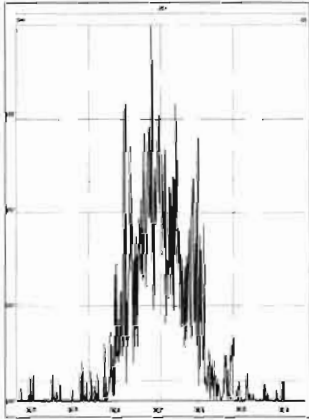
M 318.9792 R 18775



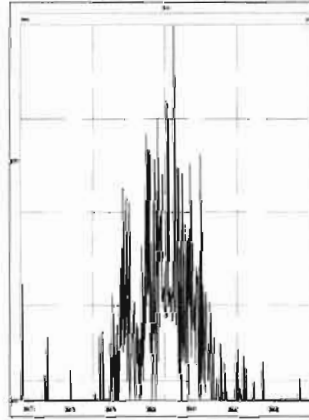
M 330.9792 R 14169



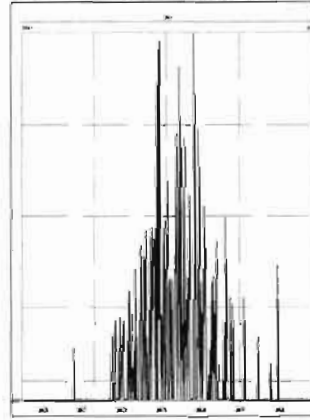
M 342.9792 R 15880



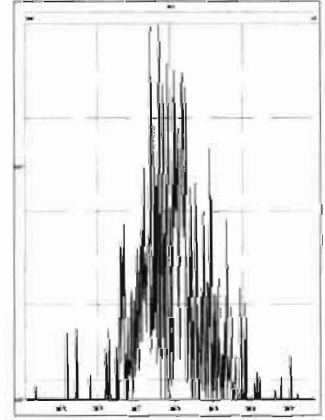
M 354.9792 R 50018



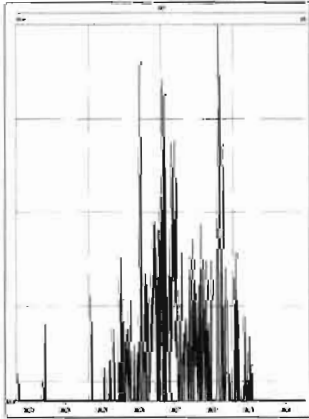
M 366.9792 R 458333



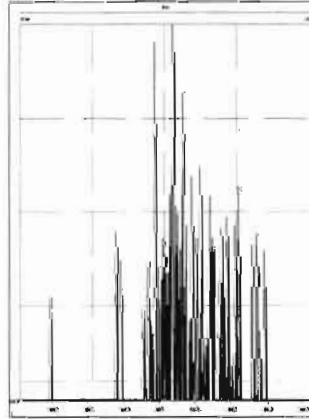
M 380.9760 R 46585



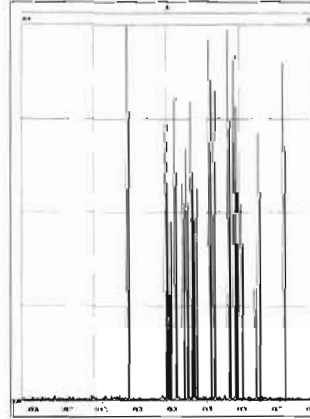
M 392.9760 R 187501



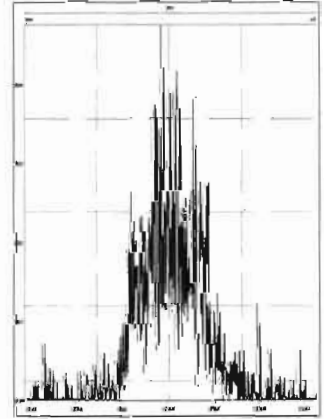
M 404.9760 R 520836



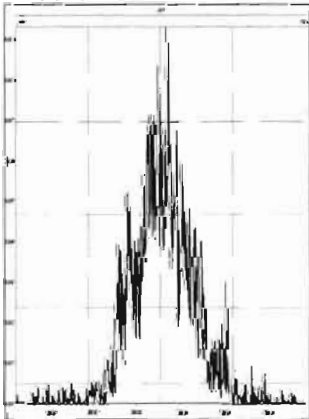
M 416.9760 R 386908



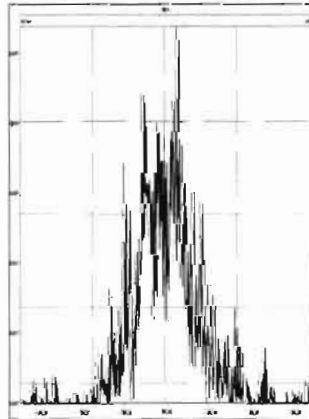
M 318.9792 R 14692



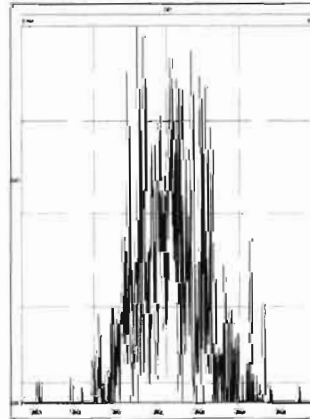
M 330.9792 R 15015



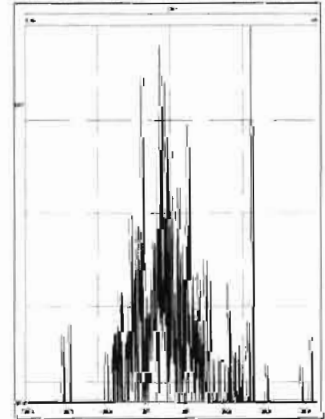
M 342.9792 R 17283



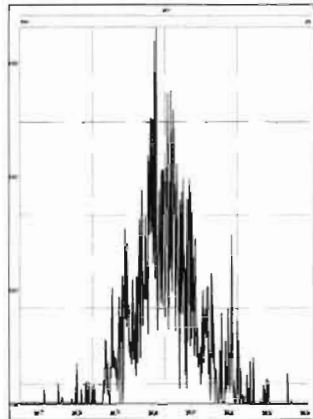
M 354.9792 R 30064



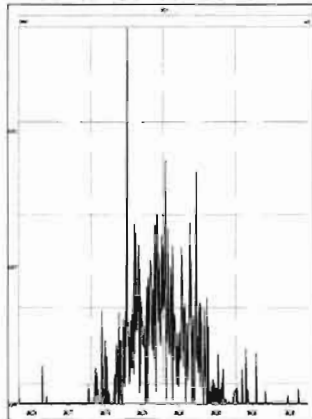
M 366.9792 R 122180



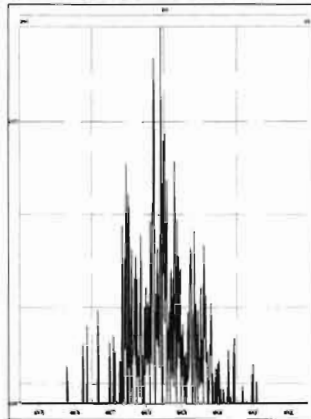
M 380.9760 R 17948



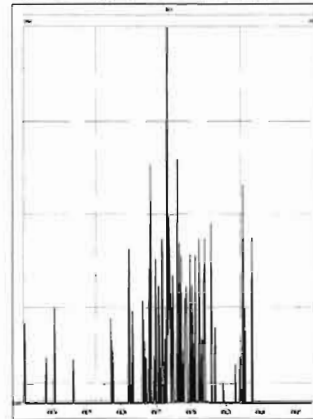
M 392.9760 R 58978



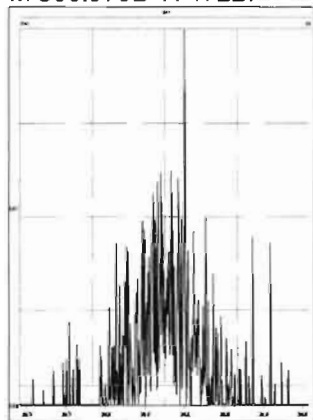
M 404.9760 R 158513



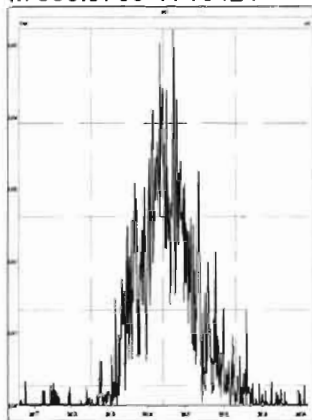
M 416.9760 R 416667



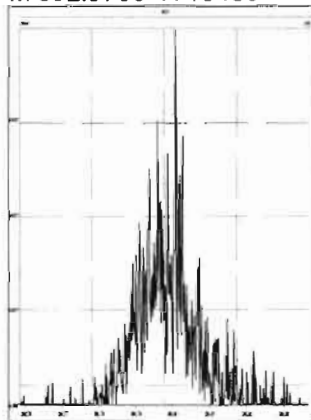
M 366.9792 R 47227



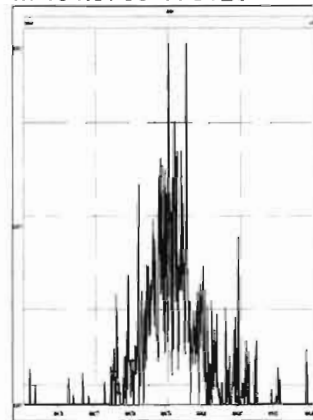
M 380.9760 R 16424



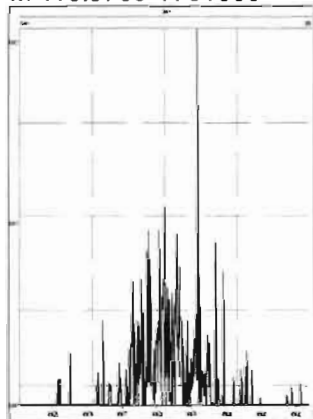
M 392.9760 R 19430



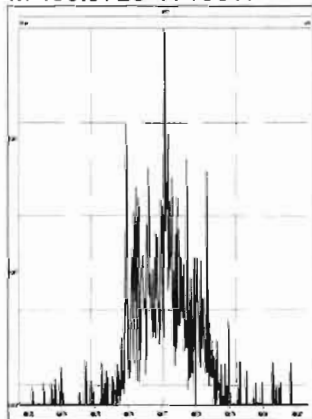
M 404.9760 R 31254



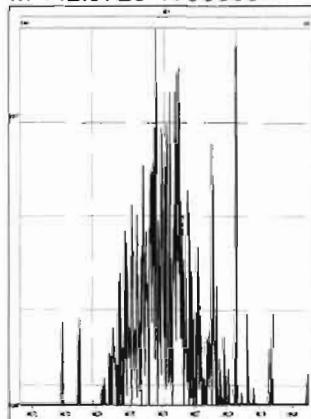
M 416.9760 R 91666



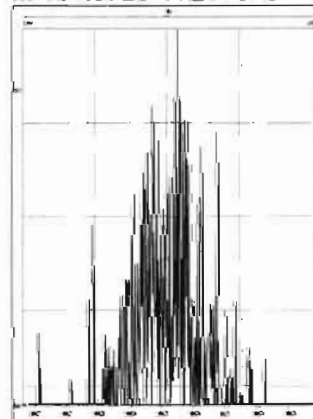
M 430.9728 R 19017



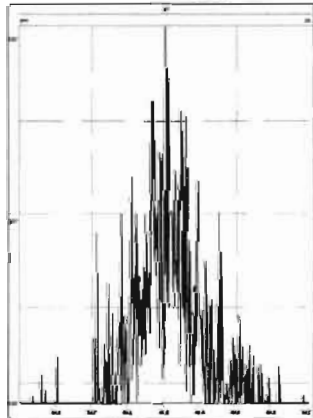
M 442.9728 R 68656



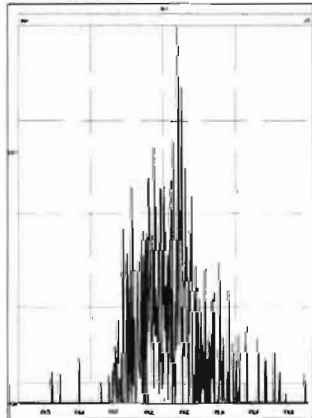
M 454.9728 R 204678



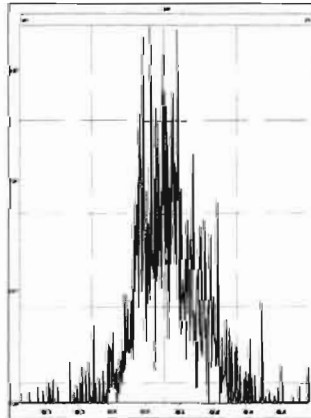
M 404.9760 R 36611



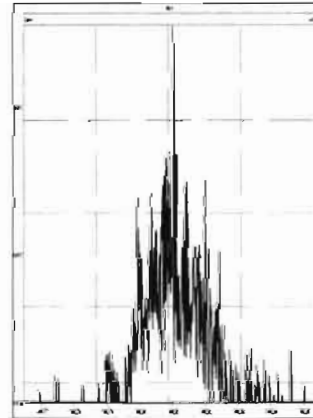
M 416.9760 R 120097



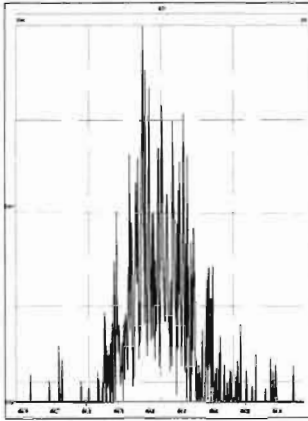
M 430.9728 R 16619



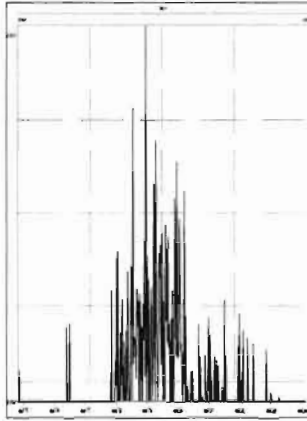
M 442.9728 R 20031



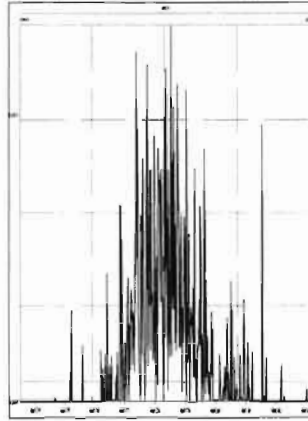
M 454.9728 R 24270



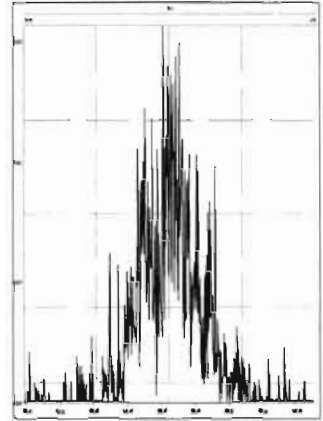
M 466.9728 R 83333



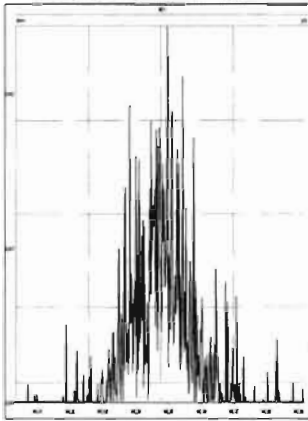
M 480.9696 R 184658



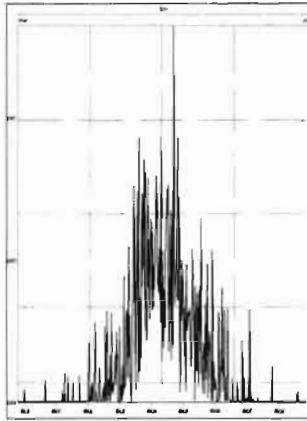
M 430.9728 R 19195



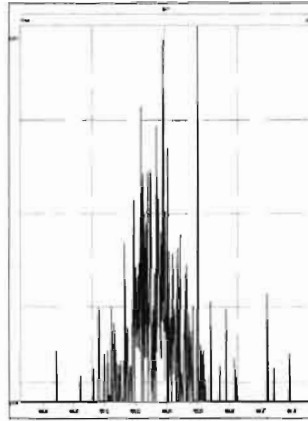
M 442.9728 R 41135



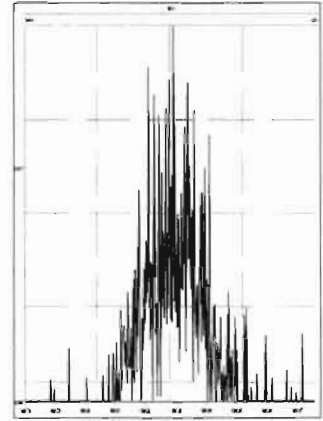
M 454.9728 R 31628



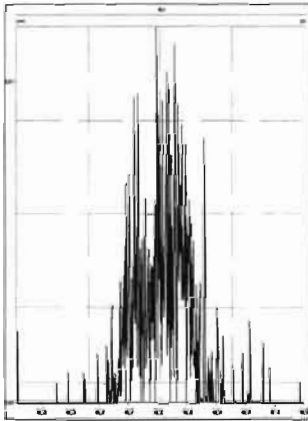
M 466.9728 R 138888



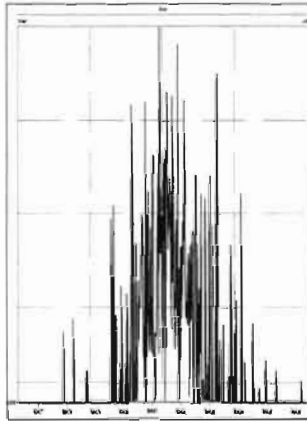
M 480.9696 R 30159



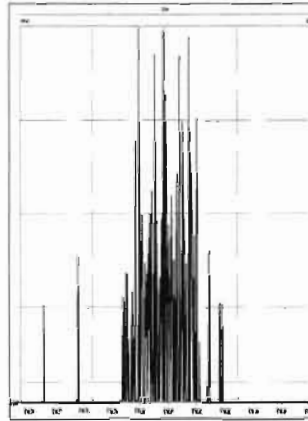
M 492.9696 R 100643



M 504.9696 R 121527



M 516.9697 R 714283



## **INITIAL CALIBRATION**

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

*Hc 11-26-2020*

*GRB 11/26/2020*

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time  
 Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

*- Beginning res check had one mass under to K<sub>1</sub> column bleed  
 - End rescheck had 1 mass under 10K and 2 masses affected by column bleed*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
 Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

**Compound name: PCB-1**

Response Factor: 0.985672

RRF SD: 0.0704918, Relative SD: 7.15164

Response type: Internal Std ( Ref 169 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	3.36	NO	15.44	1.001	7.25e3	2.97e6	0.248	-0.7	0.978	bb
2	201125K1_2	1.00	3.12	NO	15.44	1.001	2.97e4	3.25e6	0.928	-7.2	0.915	bb
3	201125K1_3	2.50	3.27	NO	15.44	1.001	8.50e4	3.65e6	2.36	-5.5	0.932	bb
4	201125K1_4	50.0	3.21	NO	15.44	1.001	1.86e6	3.34e6	56.4	12.8	1.11	bb
5	201125K1_5	400	3.16	NO	15.43	1.001	1.40e7	3.47e6	410	2.6	1.01	bb
6	201125K1_6	1000	3.14	NO	15.47	1.002	3.16e7	3.27e6	980	-2.0	0.966	bb

**Compound name: PCB-2**

Response Factor: 1.02202

RRF SD: 0.0760829, Relative SD: 7.44434

Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	2.88	NO	17.83	0.988	7.66e3	2.95e6	0.254	1.7	1.04	MM
2	201125K1_2	1.00	3.20	NO	17.83	0.988	3.14e4	3.20e6	0.961	-3.9	0.982	bb
3	201125K1_3	2.50	3.15	NO	17.83	0.988	8.38e4	3.59e6	2.28	-8.7	0.933	bd
4	201125K1_4	50.0	3.21	NO	17.83	0.988	1.90e6	3.30e6	56.4	12.7	1.15	bb
5	201125K1_5	400	3.16	NO	17.83	0.988	1.45e7	3.46e6	409	2.2	1.04	bb
6	201125K1_6	1000	3.17	NO	17.85	0.988	3.33e7	3.39e6	960	-4.0	0.981	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: PCB-3**

Response Factor: 1.0025

RRF SD: 0.0765671, Relative SD: 7.63759

Response type: Internal Std ( Ref 170 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	2.98	NO	18.07	1.001	7.17e3	2.95e6	0.242	-3.0	0.972	MM
2	201125K1_2	1.00	3.11	NO	18.07	1.001	3.10e4	3.20e6	0.969	-3.1	0.971	bb
3	201125K1_3	2.50	3.10	NO	18.07	1.001	8.35e4	3.59e6	2.32	-7.3	0.929	db
4	201125K1_4	50.0	3.16	NO	18.07	1.001	1.89e6	3.30e6	57.1	14.2	1.14	bb
5	201125K1_5	400	3.14	NO	18.06	1.001	1.42e7	3.46e6	411	2.7	1.03	bb
6	201125K1_6	1000	3.13	NO	18.09	1.001	3.29e7	3.39e6	966	-3.4	0.968	bb

**Compound name: PCB-4/10**

Response Factor: 1.20743

RRF SD: 0.0879846, Relative SD: 7.28692

Response type: Internal Std ( Ref 171 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.63	NO	19.47	1.004	1.15e4	1.93e6	0.494	-1.1	1.19	MM
2	201125K1_2	2.00	1.61	NO	19.47	1.004	4.70e4	2.09e6	1.87	-6.7	1.13	MM
3	201125K1_3	5.00	1.55	NO	19.48	1.004	1.31e5	2.30e6	4.70	-5.9	1.14	MM
4	201125K1_4	100	1.58	NO	19.48	1.004	2.86e6	2.10e6	113	13.0	1.36	MM
5	201125K1_5	800	1.59	NO	19.47	1.004	2.18e7	2.19e6	825	3.1	1.24	MM
6	201125K1_6	2000	1.57	NO	19.49	1.004	5.09e7	2.15e6	1950	-2.3	1.18	MM

**Compound name: PCB-7/9**

Response Factor: 0.938865

RRF SD: 0.0704388, Relative SD: 7.50254

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.47	NO	21.27	1.003	1.44e4	3.09e6	0.496	-0.7	0.932	MM
2	201125K1_2	2.00	1.54	NO	21.26	1.003	6.04e4	3.35e6	1.92	-3.9	0.903	bb

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**Compound name: PCB-7/9**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.61	NO	21.26	1.003	1.59e5	3.70e6	4.58	-8.5	0.859	bb
4	201125K1_4	100	1.59	NO	21.24	1.002	3.52e6	3.30e6	114	13.5	1.07	bb
5	201125K1_5	800	1.58	NO	21.26	1.003	2.70e7	3.52e6	816	2.0	0.958	bb
6	201125K1_6	2000	1.58	NO	21.26	1.002	6.37e7	3.48e6	1950	-2.5	0.915	bb

**Compound name: PCB-6**

Response Factor: 0.996323

RRF SD: 0.0783203, Relative SD: 7.86093

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.40	NO	21.92	1.033	8.07e3	3.09e6	0.262	4.9	1.05	MM
2	201125K1_2	1.00	1.61	NO	21.92	1.033	3.12e4	3.35e6	0.935	-6.5	0.931	MM
3	201125K1_3	2.50	1.56	NO	21.92	1.033	8.40e4	3.70e6	2.28	-8.9	0.907	bb
4	201125K1_4	50.0	1.60	NO	21.92	1.033	1.85e6	3.30e6	56.2	12.5	1.12	bb
5	201125K1_5	400	1.59	NO	21.92	1.034	1.41e7	3.52e6	403	0.7	1.00	bb
6	201125K1_6	1000	1.59	NO	21.93	1.033	3.38e7	3.48e6	974	-2.6	0.970	bb

**Compound name: PCB-5/8**

Response Factor: 0.975768

RRF SD: 0.0765916, Relative SD: 7.84937

Response type: Internal Std ( Ref 172 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.40	NO	22.33	1.053	1.59e4	3.09e6	0.527	5.3	1.03	MM
2	201125K1_2	2.00	1.66	NO	22.32	1.052	6.08e4	3.35e6	1.86	-6.9	0.908	MM
3	201125K1_3	5.00	1.62	NO	22.32	1.052	1.65e5	3.70e6	4.57	-8.6	0.892	bb
4	201125K1_4	100	1.57	NO	22.32	1.052	3.62e6	3.30e6	112	12.3	1.10	bb
5	201125K1_5	800	1.57	NO	22.32	1.053	2.76e7	3.52e6	804	0.5	0.980	bb
6	201125K1_6	2000	1.57	NO	22.34	1.052	6.61e7	3.48e6	1950	-2.6	0.950	bb

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**Compound name: PCB-14**

Response Factor: 1.02377

RRF SD: 0.0911805, Relative SD: 8.90635

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.51	NO	23.45	0.951	8.24e3	2.98e6	0.270	7.9	1.10	bd
2	201125K1_2	1.00	1.71	NO	23.45	0.951	3.04e4	3.27e6	0.909	-9.1	0.930	bd
3	201125K1_3	2.50	1.60	NO	23.45	0.951	8.37e4	3.57e6	2.29	-8.4	0.938	bb
4	201125K1_4	50.0	1.60	NO	23.45	0.951	1.83e6	3.17e6	56.4	12.9	1.16	bd
5	201125K1_5	400	1.58	NO	23.45	0.951	1.39e7	3.38e6	403	0.7	1.03	bb
6	201125K1_6	1000	1.59	NO	23.47	0.951	3.37e7	3.43e6	961	-3.9	0.983	bd

**Compound name: PCB-11**

Response Factor: 1.11599

RRF SD: 0.111011, Relative SD: 9.94726

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.69	NO	24.68	1.001	9.47e3	2.98e6	0.284	13.7	1.27	MM
2	201125K1_2	1.00	1.62	NO	24.67	1.001	3.37e4	3.27e6	0.924	-7.6	1.03	db
3	201125K1_3	2.50	1.63	NO	24.67	1.001	8.95e4	3.57e6	2.25	-10.1	1.00	db
4	201125K1_4	50.0	1.59	NO	24.68	1.001	1.95e6	3.17e6	55.3	10.6	1.23	db
5	201125K1_5	400	1.56	NO	24.68	1.001	1.49e7	3.38e6	397	-0.9	1.11	db
6	201125K1_6	1000	1.60	NO	24.69	1.001	3.61e7	3.43e6	942	-5.8	1.05	db

**Compound name: PCB-12/13**

Response Factor: 1.01889

RRF SD: 0.0791029, Relative SD: 7.76366

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.46	NO	25.04	1.015	1.55e4	2.98e6	0.510	2.0	1.04	MM
2	201125K1_2	2.00	1.63	NO	25.04	1.016	6.21e4	3.27e6	1.87	-6.7	0.951	MM



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**Compound name: PCB-12/13**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.53	NO	25.04	1.016	1.68e5	3.57e6	4.61	-7.8	0.939	MM
4	201125K1_4	100	1.58	NO	25.05	1.016	3.66e6	3.17e6	113	13.3	1.15	MM
5	201125K1_5	800	1.59	NO	25.04	1.016	2.81e7	3.38e6	817	2.2	1.04	MM
6	201125K1_6	2000	1.58	NO	25.06	1.016	6.78e7	3.43e6	1940	-3.0	0.988	MM

**Compound name: PCB-15**

Response Factor: 1.01688

RRF SD: 0.086291, Relative SD: 8.48583

Response type: Internal Std ( Ref 173 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.48	NO	25.39	1.030	7.29e3	2.98e6	0.240	-3.8	0.978	MM
2	201125K1_2	1.00	1.70	NO	25.39	1.030	3.09e4	3.27e6	0.932	-6.8	0.948	MM
3	201125K1_3	2.50	1.71	NO	25.39	1.030	8.44e4	3.57e6	2.32	-7.0	0.945	MM
4	201125K1_4	50.0	1.56	NO	25.39	1.030	1.86e6	3.17e6	57.8	15.7	1.18	MM
5	201125K1_5	400	1.56	NO	25.39	1.030	1.40e7	3.38e6	409	2.1	1.04	MM
6	201125K1_6	1000	1.58	NO	25.41	1.030	3.48e7	3.43e6	999	-0.1	1.02	MM

**Compound name: PCB-19**

Response Factor: 0.972102

RRF SD: 0.0817166, Relative SD: 8.40617

Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.10	NO	23.64	1.001	4.17e3	1.59e6	0.270	8.0	1.05	MM
2	201125K1_2	1.00	1.03	NO	23.63	1.001	1.61e4	1.76e6	0.941	-5.9	0.914	bb
3	201125K1_3	2.50	1.04	NO	23.64	1.001	4.28e4	1.98e6	2.23	-10.9	0.866	bb
4	201125K1_4	50.0	1.02	NO	23.64	1.001	9.46e5	1.75e6	55.5	11.0	1.08	bb
5	201125K1_5	400	1.03	NO	23.64	1.001	7.38e6	1.87e6	406	1.5	0.987	bb
6	201125K1_6	1000	1.03	NO	23.65	1.001	1.72e7	1.84e6	964	-3.6	0.937	bb

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**Compound name: PCB-30**

Response Factor: 1.54024

RRF SD: 0.117379, Relative SD: 7.62081

Response type: Internal Std ( Ref 174 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	24.56	1.040	6.26e3	1.59e6	0.255	2.2	1.57	bb
2	201125K1_2	1.00	1.03	NO	24.55	1.040	2.54e4	1.76e6	0.936	-6.4	1.44	bb
3	201125K1_3	2.50	1.03	NO	24.55	1.039	6.94e4	1.98e6	2.28	-8.8	1.40	bb
4	201125K1_4	50.0	1.04	NO	24.56	1.040	1.52e6	1.75e6	56.2	12.5	1.73	bb
5	201125K1_5	400	1.03	NO	24.56	1.040	1.18e7	1.87e6	411	2.7	1.58	bb
6	201125K1_6	1000	1.03	NO	24.57	1.040	2.77e7	1.84e6	979	-2.1	1.51	bb

**Compound name: PCB-18**

Response Factor: 0.719392

RRF SD: 0.0623199, Relative SD: 8.66286

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.11	NO	25.33	0.952	4.47e3	2.30e6	0.270	8.0	0.777	MM
2	201125K1_2	1.00	1.02	NO	25.32	0.952	1.69e4	2.54e6	0.923	-7.7	0.664	bd
3	201125K1_3	2.50	1.03	NO	25.32	0.952	4.67e4	2.88e6	2.26	-9.7	0.650	bd
4	201125K1_4	50.0	1.03	NO	25.32	0.952	1.02e6	2.56e6	55.6	11.3	0.801	bd
5	201125K1_5	400	1.03	NO	25.32	0.952	8.03e6	2.71e6	411	2.8	0.740	bd
6	201125K1_6	1000	1.03	NO	25.33	0.951	1.88e7	2.74e6	952	-4.8	0.685	bd

**Compound name: PCB-17**

Response Factor: 0.671724

RRF SD: 0.0544809, Relative SD: 8.11061

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.01	NO	25.49	0.958	4.09e3	2.30e6	0.265	6.0	0.712	MM
2	201125K1_2	1.00	0.98	NO	25.49	0.959	1.61e4	2.54e6	0.942	-5.8	0.633	db

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**Compound name: PCB-17**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.02	NO	25.49	0.959	4.38e4	2.88e6	2.27	-9.3	0.610	db
4	201125K1_4	50.0	1.03	NO	25.49	0.959	9.59e5	2.56e6	55.8	11.7	0.750	db
5	201125K1_5	400	1.02	NO	25.49	0.959	7.50e6	2.71e6	411	2.8	0.691	db
6	201125K1_6	1000	1.03	NO	25.51	0.959	1.74e7	2.74e6	945	-5.5	0.635	db

**Compound name: PCB-24/27**

Response Factor: 0.932359

RRF SD: 0.0709484, Relative SD: 7.60956

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.07	NO	26.09	0.981	1.07e4	2.30e6	0.498	-0.4	0.929	MM
2	201125K1_2	2.00	0.98	NO	26.08	0.981	4.49e4	2.54e6	1.89	-5.4	0.882	bb
3	201125K1_3	5.00	1.01	NO	26.08	0.981	1.22e5	2.88e6	4.55	-9.0	0.849	bb
4	201125K1_4	100	1.03	NO	26.08	0.981	2.69e6	2.56e6	113	12.8	1.05	bb
5	201125K1_5	800	1.03	NO	26.08	0.981	2.10e7	2.71e6	828	3.5	0.965	bb
6	201125K1_6	2000	1.04	NO	26.10	0.981	5.02e7	2.74e6	1970	-1.6	0.917	bb

**Compound name: PCB-16/32**

Response Factor: 0.824375

RRF SD: 0.0766559, Relative SD: 9.29866

Response type: Internal Std ( Ref 175 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.19	NO	26.62	1.000	1.06e4	2.30e6	0.560	12.0	0.923	MM
2	201125K1_2	2.00	0.99	NO	26.62	1.001	3.96e4	2.54e6	1.89	-5.7	0.778	bb
3	201125K1_3	5.00	1.08	NO	26.62	1.001	1.05e5	2.88e6	4.44	-11.2	0.732	bb
4	201125K1_4	100	1.03	NO	26.62	1.001	2.32e6	2.56e6	110	10.1	0.908	bb
5	201125K1_5	800	1.03	NO	26.62	1.001	1.80e7	2.71e6	802	0.3	0.827	bb
6	201125K1_6	2000	1.03	NO	26.64	1.001	4.27e7	2.74e6	1890	-5.5	0.779	bb

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**Compound name: PCB-34**

Response Factor: 0.877693

RRF SD: 0.0699252, Relative SD: 7.96693

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.10	NO	27.44	0.959	5.72e3	2.83e6	0.230	-7.9	0.808	bd
2 201125K1_2	1.00	1.03	NO	27.42	0.958	2.59e4	3.00e6	0.983	-1.7	0.863	bd
3 201125K1_3	2.50	1.02	NO	27.44	0.959	7.00e4	3.35e6	2.38	-4.7	0.837	bd
4 201125K1_4	50.0	1.06	NO	27.44	0.959	1.50e6	2.99e6	57.2	14.4	1.00	bd
5 201125K1_5	400	1.05	NO	27.44	0.959	1.15e7	3.18e6	414	3.4	0.908	bd
6 201125K1_6	1000	1.08	NO	27.46	0.959	2.74e7	3.23e6	966	-3.4	0.848	bd

**Compound name: PCB-23**

Response Factor: 0.891988

RRF SD: 0.0647883, Relative SD: 7.26336

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.05	NO	27.53	0.962	6.33e3	2.83e6	0.250	0.2	0.894	db
2 201125K1_2	1.00	1.04	NO	27.53	0.962	2.57e4	3.00e6	0.959	-4.1	0.855	dd
3 201125K1_3	2.50	1.05	NO	27.53	0.962	6.96e4	3.35e6	2.33	-6.7	0.832	db
4 201125K1_4	50.0	1.06	NO	27.53	0.962	1.51e6	2.99e6	56.6	13.1	1.01	db
5 201125K1_5	400	1.07	NO	27.53	0.962	1.16e7	3.18e6	409	2.4	0.913	db
6 201125K1_6	1000	1.08	NO	27.55	0.962	2.74e7	3.23e6	951	-4.9	0.849	dd

**Compound name: PCB-29**

Response Factor: 0.861261

RRF SD: 0.0600608, Relative SD: 6.97358

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.96	NO	27.79	0.971	5.96e3	2.83e6	0.244	-2.3	0.841	bb
2 201125K1_2	1.00	1.06	NO	27.77	0.971	2.56e4	3.00e6	0.988	-1.2	0.851	dd

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**Compound name: PCB-29**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.03	NO	27.77	0.971	6.64e4	3.35e6	2.31	-7.8	0.794	bd
4	201125K1_4	50.0	1.06	NO	27.77	0.971	1.45e6	2.99e6	56.4	12.7	0.971	bd
5	201125K1_5	400	1.05	NO	27.77	0.971	1.11e7	3.18e6	407	1.8	0.877	bd
6	201125K1_6	1000	1.04	NO	27.79	0.971	2.69e7	3.23e6	968	-3.2	0.833	dd

**Compound name: PCB-26**

Response Factor: 0.914637

RRF SD: 0.0705975, Relative SD: 7.71864

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	28.00	0.979	6.41e3	2.83e6	0.247	-1.0	0.905	MM
2	201125K1_2	1.00	1.02	NO	28.00	0.979	2.71e4	3.00e6	0.987	-1.3	0.903	dd
3	201125K1_3	2.50	1.10	NO	28.00	0.979	6.93e4	3.35e6	2.26	-9.5	0.828	dd
4	201125K1_4	50.0	1.06	NO	28.00	0.979	1.55e6	2.99e6	56.6	13.3	1.04	dd
5	201125K1_5	400	1.07	NO	28.00	0.979	1.20e7	3.18e6	412	3.0	0.942	dd
6	201125K1_6	1000	1.06	NO	28.02	0.979	2.82e7	3.23e6	955	-4.5	0.874	dd

**Compound name: PCB-25**

Response Factor: 0.915347

RRF SD: 0.0710648, Relative SD: 7.7637

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.09	NO	28.17	0.984	6.18e3	2.83e6	0.238	-4.6	0.873	db
2	201125K1_2	1.00	1.07	NO	28.17	0.984	2.63e4	3.00e6	0.958	-4.2	0.877	db
3	201125K1_3	2.50	1.06	NO	28.17	0.984	7.30e4	3.35e6	2.38	-4.7	0.872	db
4	201125K1_4	50.0	1.04	NO	28.17	0.984	1.56e6	2.99e6	57.1	14.2	1.05	db
5	201125K1_5	400	1.06	NO	28.17	0.984	1.21e7	3.18e6	416	4.1	0.953	db
6	201125K1_6	1000	1.05	NO	28.18	0.984	2.82e7	3.23e6	953	-4.7	0.872	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-31**

Response Factor: 1.03023

RRF SD: 0.0749575, Relative SD: 7.2758

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.16	NO	28.54	0.997	7.91e3	2.83e6	0.271	8.4	1.12	bd
2	201125K1_2	1.00	1.05	NO	28.52	0.997	3.02e4	3.00e6	0.977	-2.3	1.01	bd
3	201125K1_3	2.50	1.06	NO	28.52	0.997	7.97e4	3.35e6	2.31	-7.5	0.953	bd
4	201125K1_4	50.0	1.04	NO	28.52	0.997	1.68e6	2.99e6	54.7	9.4	1.13	bd
5	201125K1_5	400	1.04	NO	28.52	0.997	1.29e7	3.18e6	395	-1.4	1.02	bd
6	201125K1_6	1000	1.05	NO	28.54	0.997	3.11e7	3.23e6	934	-6.6	0.963	bd

**Compound name: PCB-28**

Response Factor: 1.01427

RRF SD: 0.0766182, Relative SD: 7.55405

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.13	NO	28.63	1.001	6.81e3	2.83e6	0.237	-5.2	0.961	db
2	201125K1_2	1.00	1.13	NO	28.63	1.001	2.91e4	3.00e6	0.956	-4.4	0.970	db
3	201125K1_3	2.50	1.07	NO	28.63	1.001	7.95e4	3.35e6	2.34	-6.3	0.951	db
4	201125K1_4	50.0	1.07	NO	28.63	1.001	1.72e6	2.99e6	56.8	13.6	1.15	db
5	201125K1_5	400	1.06	NO	28.63	1.001	1.34e7	3.18e6	415	3.7	1.05	db
6	201125K1_6	1000	1.06	NO	28.65	1.001	3.23e7	3.23e6	987	-1.3	1.00	db

**Compound name: PCB-20/21/33**

Response Factor: 0.912707

RRF SD: 0.0632905, Relative SD: 6.93438

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.00	NO	29.26	1.023	1.88e4	2.83e6	0.728	-2.9	0.886	MM
2	201125K1_2	3.00	1.07	NO	29.26	1.023	7.86e4	3.00e6	2.87	-4.4	0.872	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-20/21/33**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	7.50	1.04	NO	29.26	1.023	2.13e5	3.35e6	6.98	-6.9	0.850	bd
4	201125K1_4	150	1.07	NO	29.26	1.023	4.60e6	2.99e6	169	12.5	1.03	bb
5	201125K1_5	1200	1.06	NO	29.26	1.023	3.58e7	3.18e6	1240	2.9	0.939	bb
6	201125K1_6	3000	1.06	NO	29.28	1.023	8.75e7	3.23e6	2970	-1.1	0.902	bb

**Compound name: PCB-22**

Response Factor: 0.947952

RRF SD: 0.0844312, Relative SD: 8.9067

Response type: Internal Std ( Ref 176 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.03	NO	29.73	1.039	6.33e3	2.83e6	0.236	-5.7	0.894	MM
2	201125K1_2	1.00	1.05	NO	29.71	1.038	2.70e4	3.00e6	0.950	-5.0	0.900	bb
3	201125K1_3	2.50	1.06	NO	29.71	1.038	7.32e4	3.35e6	2.31	-7.6	0.876	bb
4	201125K1_4	50.0	1.05	NO	29.73	1.039	1.65e6	2.99e6	58.3	16.7	1.11	bb
5	201125K1_5	400	1.08	NO	29.73	1.039	1.23e7	3.18e6	407	1.7	0.964	bb
6	201125K1_6	1000	1.04	NO	29.73	1.038	3.07e7	3.23e6	1000	0.1	0.949	bb

**Compound name: PCB-36**

Response Factor: 1.06828

RRF SD: 0.101876, Relative SD: 9.53645

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	30.36	0.931	7.37e3	2.52e6	0.274	9.4	1.17	MM
2	201125K1_2	1.00	1.00	NO	30.36	0.932	2.72e4	2.78e6	0.917	-8.3	0.980	bb
3	201125K1_3	2.50	1.14	NO	30.36	0.932	7.59e4	3.12e6	2.28	-8.8	0.975	db
4	201125K1_4	50.0	1.08	NO	30.36	0.932	1.67e6	2.75e6	56.8	13.6	1.21	bb
5	201125K1_5	400	1.06	NO	30.36	0.932	1.27e7	2.98e6	400	-0.0	1.07	bb
6	201125K1_6	1000	1.06	NO	30.38	0.932	3.05e7	3.04e6	940	-6.0	1.00	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-39**

Response Factor: 1.00329

RRF SD: 0.0918023, Relative SD: 9.15012

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.06	NO	30.84	0.946	6.93e3	2.52e6	0.274	9.5	1.10	MM
2	201125K1_2	1.00	1.01	NO	30.84	0.946	2.66e4	2.78e6	0.953	-4.7	0.956	bb
3	201125K1_3	2.50	1.05	NO	30.83	0.946	7.13e4	3.12e6	2.28	-8.8	0.915	MM
4	201125K1_4	50.0	1.06	NO	30.84	0.946	1.57e6	2.75e6	56.7	13.5	1.14	db
5	201125K1_5	400	1.05	NO	30.84	0.946	1.14e7	2.98e6	380	-5.0	0.954	db
6	201125K1_6	1000	1.06	NO	30.86	0.946	2.91e7	3.04e6	955	-4.5	0.958	MM

**Compound name: PCB-38**

Response Factor: 1.04993

RRF SD: 0.0913836, Relative SD: 8.70375

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	31.65	0.970	7.04e3	2.52e6	0.266	6.4	1.12	MM
2	201125K1_2	1.00	1.02	NO	31.63	0.970	2.71e4	2.78e6	0.930	-7.0	0.977	bd
3	201125K1_3	2.50	1.07	NO	31.63	0.970	7.38e4	3.12e6	2.26	-9.7	0.948	dd
4	201125K1_4	50.0	1.06	NO	31.63	0.970	1.63e6	2.75e6	56.6	13.2	1.19	dd
5	201125K1_5	400	1.07	NO	31.63	0.970	1.27e7	2.98e6	405	1.2	1.06	dd
6	201125K1_6	1000	1.06	NO	31.65	0.970	3.06e7	3.04e6	958	-4.2	1.01	dd

**Compound name: PCB-35**

Response Factor: 1.04641

RRF SD: 0.0938332, Relative SD: 8.96714

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	32.19	0.987	6.40e3	2.52e6	0.243	-2.9	1.02	bb
2	201125K1_2	1.00	1.06	NO	32.17	0.987	2.74e4	2.78e6	0.941	-5.9	0.985	MM



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**Compound name: PCB-35**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.07	NO	32.17	0.987	7.37e4	3.12e6	2.26	-9.6	0.946	dd
4	201125K1_4	50.0	1.07	NO	32.17	0.987	1.67e6	2.75e6	58.1	16.3	1.22	dd
5	201125K1_5	400	1.07	NO	32.17	0.987	1.27e7	2.98e6	407	1.7	1.06	dd
6	201125K1_6	1000	1.07	NO	32.19	0.987	3.20e7	3.04e6	1000	0.5	1.05	dd

**Compound name: PCB-37**

Response Factor: 1.02784

RRF SD: 0.0674641, Relative SD: 6.56366

Response type: Internal Std ( Ref 177 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.97	NO	32.63	1.001	6.86e3	2.52e6	0.265	5.9	1.09	MM
2	201125K1_2	1.00	1.04	NO	32.61	1.001	2.73e4	2.78e6	0.955	-4.5	0.981	MM
3	201125K1_3	2.50	1.10	NO	32.61	1.001	7.41e4	3.12e6	2.31	-7.5	0.951	MM
4	201125K1_4	50.0	1.07	NO	32.61	1.001	1.55e6	2.75e6	54.8	9.7	1.13	MM
5	201125K1_5	400	1.05	NO	32.61	1.001	1.22e7	2.98e6	399	-0.3	1.02	MM
6	201125K1_6	1000	1.05	NO	32.63	1.001	3.02e7	3.04e6	967	-3.3	0.994	MM

**Compound name: PCB-54**

Response Factor: 0.974277

RRF SD: 0.0842907, Relative SD: 8.65161

Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	27.48	1.001	4.49e3	1.95e6	0.237	-5.4	0.922	MM
2	201125K1_2	1.00	0.76	NO	27.48	1.001	2.00e4	2.18e6	0.940	-6.0	0.916	bb
3	201125K1_3	2.50	0.81	NO	27.48	1.001	5.48e4	2.44e6	2.31	-7.7	0.900	bb
4	201125K1_4	50.0	0.79	NO	27.48	1.001	1.22e6	2.18e6	57.6	15.2	1.12	bb
5	201125K1_5	400	0.77	NO	27.48	1.001	9.36e6	2.30e6	418	4.5	1.02	bb
6	201125K1_6	1000	0.77	NO	27.50	1.001	2.24e7	2.31e6	994	-0.6	0.968	bb

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**Compound name: PCB-50**

Response Factor: 0.802752

RRF SD: 0.0636496, Relative SD: 7.92893

Response type: Internal Std ( Ref 178 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.71	NO	28.69	1.045	4.05e3	1.95e6	0.259	3.6	0.831	MM
2	201125K1_2	1.00	0.78	NO	28.69	1.045	1.61e4	2.18e6	0.918	-8.2	0.737	bb
3	201125K1_3	2.50	0.77	NO	28.69	1.045	4.44e4	2.44e6	2.27	-9.2	0.729	bb
4	201125K1_4	50.0	0.80	NO	28.69	1.045	9.76e5	2.18e6	55.9	11.8	0.897	bb
5	201125K1_5	400	0.77	NO	28.69	1.045	7.62e6	2.30e6	413	3.2	0.829	bb
6	201125K1_6	1000	0.77	NO	28.70	1.045	1.83e7	2.31e6	988	-1.2	0.793	bb

**Compound name: PCB-53**

Response Factor: 0.93894

RRF SD: 0.0903246, Relative SD: 9.61985

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	29.36	0.944	4.07e3	1.56e6	0.278	11.2	1.04	MM
2	201125K1_2	1.00	0.82	NO	29.34	0.943	1.48e4	1.74e6	0.907	-9.3	0.852	MM
3	201125K1_3	2.50	0.78	NO	29.34	0.943	4.17e4	1.97e6	2.26	-9.6	0.849	bb
4	201125K1_4	50.0	0.78	NO	29.34	0.943	9.16e5	1.75e6	55.6	11.3	1.04	bb
5	201125K1_5	400	0.80	NO	29.34	0.943	6.96e6	1.82e6	407	1.8	0.955	bb
6	201125K1_6	1000	0.79	NO	29.36	0.943	1.65e7	1.86e6	947	-5.3	0.889	bb

**Compound name: PCB-51**

Response Factor: 0.999549

RRF SD: 0.0848786, Relative SD: 8.49169

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.75	NO	29.69	0.955	4.20e3	1.56e6	0.269	7.6	1.08	MM
2	201125K1_2	1.00	0.78	NO	29.69	0.955	1.62e4	1.74e6	0.928	-7.2	0.928	MM

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**Compound name: PCB-51**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.77	NO	29.69	0.955	4.36e4	1.97e6	2.22	-11.4	0.886	bb
4	201125K1_4	50.0	0.78	NO	29.69	0.955	9.69e5	1.75e6	55.3	10.5	1.10	bb
5	201125K1_5	400	0.78	NO	29.69	0.955	7.47e6	1.82e6	410	2.5	1.02	bb
6	201125K1_6	1000	0.78	NO	29.71	0.955	1.82e7	1.86e6	978	-2.2	0.978	bb

**Compound name: PCB-45**

Response Factor: 0.802487

RRF SD: 0.0695256, Relative SD: 8.66376

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.81	NO	30.14	0.969	3.46e3	1.56e6	0.276	10.6	0.887	MM
2	201125K1_2	1.00	0.75	NO	30.14	0.969	1.29e4	1.74e6	0.921	-7.9	0.739	bb
3	201125K1_3	2.50	0.81	NO	30.14	0.969	3.61e4	1.97e6	2.28	-8.6	0.733	bb
4	201125K1_4	50.0	0.77	NO	30.14	0.969	7.69e5	1.75e6	54.7	9.3	0.877	bb
5	201125K1_5	400	0.76	NO	30.14	0.969	5.99e6	1.82e6	410	2.4	0.822	bb
6	201125K1_6	1000	0.79	NO	30.16	0.969	1.40e7	1.86e6	941	-5.9	0.756	bb

**Compound name: PCB-46**

Response Factor: 0.770392

RRF SD: 0.0738096, Relative SD: 9.58079

Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.78	NO	30.64	0.985	3.31e3	1.56e6	0.275	10.1	0.848	MM
2	201125K1_2	1.00	0.75	NO	30.64	0.985	1.27e4	1.74e6	0.946	-5.4	0.729	MM
3	201125K1_3	2.50	0.78	NO	30.64	0.985	3.29e4	1.97e6	2.17	-13.2	0.669	bb
4	201125K1_4	50.0	0.78	NO	30.64	0.985	7.53e5	1.75e6	55.7	11.4	0.858	bb
5	201125K1_5	400	0.78	NO	30.64	0.985	5.70e6	1.82e6	406	1.6	0.783	bb
6	201125K1_6	1000	0.77	NO	30.66	0.985	1.37e7	1.86e6	955	-4.5	0.735	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-52/69**

Response Factor: 1.08217  
 RRF SD: 0.0751398, Relative SD: 6.94345  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.82	NO	31.14	1.001	8.74e3	1.56e6	0.517	3.5	1.12	MM
2	201125K1_2	2.00	0.77	NO	31.14	1.001	3.59e4	1.74e6	1.90	-4.8	1.03	bd
3	201125K1_3	5.00	0.77	NO	31.14	1.001	9.65e4	1.97e6	4.53	-9.4	0.981	MM
4	201125K1_4	100	0.78	NO	31.14	1.001	2.10e6	1.75e6	110	10.4	1.19	bd
5	201125K1_5	800	0.77	NO	31.14	1.001	1.62e7	1.82e6	820	2.5	1.11	bd
6	201125K1_6	2000	0.78	NO	31.16	1.001	3.93e7	1.86e6	1960	-2.2	1.06	bd

**Compound name: PCB-73**

Response Factor: 1.30624  
 RRF SD: 0.124391, Relative SD: 9.52281  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.78	NO	31.25	1.005	4.63e3	1.56e6	0.227	-9.2	1.19	dd
2	201125K1_2	1.00	0.76	NO	31.25	1.005	2.17e4	1.74e6	0.953	-4.7	1.25	dd
3	201125K1_3	2.50	0.80	NO	31.25	1.005	5.88e4	1.97e6	2.29	-8.5	1.20	MM
4	201125K1_4	50.0	0.80	NO	31.25	1.005	1.31e6	1.75e6	57.2	14.4	1.49	dd
5	201125K1_5	400	0.79	NO	31.25	1.005	1.03e7	1.82e6	433	8.2	1.41	dd
6	201125K1_6	1000	0.79	NO	31.27	1.005	2.42e7	1.86e6	998	-0.2	1.30	dd

**Compound name: PCB-43/49**

Response Factor: 0.92501  
 RRF SD: 0.0735753, Relative SD: 7.954  
 Response type: Internal Std ( Ref 179 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.76	NO	31.44	1.011	6.95e3	1.56e6	0.482	-3.7	0.891	MM
2	201125K1_2	2.00	0.74	NO	31.42	1.010	3.02e4	1.74e6	1.87	-6.3	0.866	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-43/49**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	0.76	NO	31.42	1.010	8.32e4	1.97e6	4.58	-8.5	0.846	MM
4	201125K1_4	100	0.77	NO	31.42	1.010	1.83e6	1.75e6	113	13.1	1.05	dd
5	201125K1_5	800	0.78	NO	31.42	1.010	1.41e7	1.82e6	835	4.3	0.965	dd
6	201125K1_6	2000	0.78	NO	31.44	1.010	3.47e7	1.86e6	2020	1.1	0.935	dd

**Compound name: PCB-47**

Response Factor: 0.862534  
 RRF SD: 0.0683092, Relative SD: 7.9196  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.80	NO	31.65	1.001	3.88e3	1.64e6	0.275	9.9	0.948	dd
2	201125K1_2	1.00	0.80	NO	31.65	1.001	1.50e4	1.86e6	0.935	-6.5	0.807	bd
3	201125K1_3	2.50	0.75	NO	31.65	1.001	4.02e4	2.04e6	2.29	-8.4	0.790	MM
4	201125K1_4	50.0	0.77	NO	31.65	1.001	8.72e5	1.85e6	54.6	9.2	0.942	dd
5	201125K1_5	400	0.78	NO	31.65	1.001	6.71e6	1.94e6	400	0.0	0.863	dd
6	201125K1_6	1000	0.77	NO	31.66	1.001	1.66e7	2.01e6	958	-4.2	0.826	dd

**Compound name: PCB-48/75**

Response Factor: 1.03767  
 RRF SD: 0.0827847, Relative SD: 7.97792  
 Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.88	NO	31.76	1.004	8.36e3	1.64e6	0.492	-1.7	1.02	MM
2	201125K1_2	2.00	0.74	NO	31.76	1.005	3.56e4	1.86e6	1.84	-7.8	0.957	db
3	201125K1_3	5.00	0.77	NO	31.76	1.005	9.84e4	2.04e6	4.66	-6.9	0.966	MM
4	201125K1_4	100	0.80	NO	31.76	1.004	2.17e6	1.85e6	113	13.1	1.17	db
5	201125K1_5	800	0.77	NO	31.76	1.004	1.70e7	1.94e6	845	5.6	1.10	db
6	201125K1_6	2000	0.78	NO	31.77	1.004	4.08e7	2.01e6	1950	-2.3	1.01	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-65**

Response Factor: 1.15918

RRF SD: 0.10847, Relative SD: 9.35746

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	32.04	1.013	4.44e3	1.64e6	0.234	-6.4	1.09	MM
2	201125K1_2	1.00	0.80	NO	32.04	1.013	1.91e4	1.86e6	0.888	-11.2	1.03	bd
3	201125K1_3	2.50	0.79	NO	32.04	1.013	5.79e4	2.04e6	2.45	-1.9	1.14	bd
4	201125K1_4	50.0	0.77	NO	32.04	1.013	1.24e6	1.85e6	57.6	15.2	1.34	bd
5	201125K1_5	400	0.78	NO	32.04	1.013	9.55e6	1.94e6	424	5.9	1.23	bd
6	201125K1_6	1000	0.78	NO	32.06	1.013	2.30e7	2.01e6	984	-1.6	1.14	bd

**Compound name: PCB-62**

Response Factor: 1.03709

RRF SD: 0.0647308, Relative SD: 6.24158

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.72	NO	32.15	1.016	4.29e3	1.64e6	0.252	0.9	1.05	dd
2	201125K1_2	1.00	0.84	NO	32.13	1.016	1.90e4	1.86e6	0.988	-1.2	1.02	dd
3	201125K1_3	2.50	0.80	NO	32.13	1.016	4.78e4	2.04e6	2.26	-9.5	0.939	dd
4	201125K1_4	50.0	0.79	NO	32.13	1.016	1.05e6	1.85e6	54.8	9.6	1.14	dd
5	201125K1_5	400	0.79	NO	32.13	1.016	8.25e6	1.94e6	409	2.3	1.06	dd
6	201125K1_6	1000	0.80	NO	32.15	1.016	2.04e7	2.01e6	979	-2.1	1.02	dd

**Compound name: PCB-44**

Response Factor: 0.757467

RRF SD: 0.0587482, Relative SD: 7.75587

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	32.46	1.026	2.95e3	1.64e6	0.237	-5.0	0.720	db
2	201125K1_2	1.00	0.70	NO	32.44	1.026	1.34e4	1.86e6	0.950	-5.0	0.719	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-44**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.76	NO	32.46	1.027	3.65e4	2.04e6	2.37	-5.2	0.718	dd
4	201125K1_4	50.0	0.79	NO	32.46	1.026	7.99e5	1.85e6	56.9	13.9	0.862	db
5	201125K1_5	400	0.77	NO	32.46	1.026	6.16e6	1.94e6	418	4.6	0.792	dd
6	201125K1_6	1000	0.78	NO	32.48	1.026	1.48e7	2.01e6	968	-3.2	0.734	db

**Compound name: PCB-42/59**

Response Factor: 0.974528

RRF SD: 0.0727972, Relative SD: 7.47

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.87	NO	32.69	1.033	8.24e3	1.64e6	0.516	3.2	1.01	MM
2	201125K1_2	2.00	0.84	NO	32.69	1.034	3.33e4	1.86e6	1.84	-8.1	0.895	bb
3	201125K1_3	5.00	0.80	NO	32.69	1.034	9.12e4	2.04e6	4.59	-8.1	0.895	db
4	201125K1_4	100	0.79	NO	32.69	1.033	2.01e6	1.85e6	111	11.0	1.08	bb
5	201125K1_5	800	0.79	NO	32.69	1.033	1.57e7	1.94e6	828	3.5	1.01	db
6	201125K1_6	2000	0.78	NO	32.71	1.033	3.86e7	2.01e6	1970	-1.6	0.959	bb

**Compound name: PCB-41/64/71/72**

Response Factor: 1.11589

RRF SD: 0.0820734, Relative SD: 7.35496

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	1.00	0.73	NO	33.30	1.053	1.80e4	1.64e6	0.982	-1.8	1.10	MM
2	201125K1_2	4.00	0.78	NO	33.30	1.054	7.61e4	1.86e6	3.67	-8.2	1.02	bb
3	201125K1_3	10.0	0.77	NO	33.28	1.053	2.11e5	2.04e6	9.30	-7.0	1.04	bb
4	201125K1_4	200	0.78	NO	33.30	1.053	4.61e6	1.85e6	223	11.6	1.24	bd
5	201125K1_5	1600	0.78	NO	33.30	1.053	3.61e7	1.94e6	1660	3.9	1.16	bd
6	201125K1_6	4000	0.78	NO	33.32	1.053	9.11e7	2.01e6	4060	1.4	1.13	bd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-68**

Response Factor: 1.18895

RRF SD: 0.0928011, Relative SD: 7.8053

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.70	NO	33.58	1.062	5.12e3	1.64e6	0.263	5.1	1.25	MM
2	201125K1_2	1.00	0.78	NO	33.56	1.062	2.02e4	1.86e6	0.912	-8.8	1.08	bd
3	201125K1_3	2.50	0.78	NO	33.56	1.062	5.60e4	2.04e6	2.31	-7.4	1.10	bd
4	201125K1_4	50.0	0.78	NO	33.56	1.061	1.23e6	1.85e6	55.7	11.4	1.32	dd
5	201125K1_5	400	0.78	NO	33.56	1.061	9.49e6	1.94e6	411	2.7	1.22	dd
6	201125K1_6	1000	0.78	NO	33.58	1.061	2.32e7	2.01e6	970	-3.0	1.15	dd

**Compound name: PCB-40**

Response Factor: 0.572307

RRF SD: 0.0447579, Relative SD: 7.82062

Response type: Internal Std ( Ref 180 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.71	NO	33.78	1.068	2.34e3	1.64e6	0.250	-0.2	0.571	MM
2	201125K1_2	1.00	0.82	NO	33.78	1.069	9.83e3	1.86e6	0.924	-7.6	0.529	db
3	201125K1_3	2.50	0.77	NO	33.78	1.069	2.76e4	2.04e6	2.37	-5.2	0.542	db
4	201125K1_4	50.0	0.79	NO	33.78	1.068	6.01e5	1.85e6	56.7	13.4	0.649	db
5	201125K1_5	400	0.78	NO	33.78	1.068	4.65e6	1.94e6	418	4.4	0.597	db
6	201125K1_6	1000	0.78	NO	33.80	1.068	1.10e7	2.01e6	952	-4.8	0.545	db

**Compound name: PCB-57**

Response Factor: 1.07671

RRF SD: 0.0807466, Relative SD: 7.49937

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.74	NO	34.16	0.969	5.32e3	1.92e6	0.257	2.9	1.11	MM
2	201125K1_2	1.00	0.73	NO	34.16	0.969	2.21e4	2.14e6	0.957	-4.3	1.03	bb



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**Compound name: PCB-57**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.79	NO	34.16	0.969	5.93e4	2.43e6	2.27	-9.2	0.977	bb
4	201125K1_4	50.0	0.77	NO	34.16	0.969	1.30e6	2.17e6	55.7	11.5	1.20	bb
5	201125K1_5	400	0.77	NO	34.16	0.969	1.03e7	2.30e6	415	3.8	1.12	bb
6	201125K1_6	1000	0.77	NO	34.18	0.969	2.48e7	2.41e6	954	-4.6	1.03	bb

**Compound name: PCB-67**

Response Factor: 1.01626

RRF SD: 0.100941, Relative SD: 9.93264

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.71	NO	34.49	0.978	5.42e3	1.92e6	0.278	11.1	1.13	MM
2	201125K1_2	1.00	0.73	NO	34.47	0.978	2.03e4	2.14e6	0.932	-6.8	0.947	bd
3	201125K1_3	2.50	0.78	NO	34.47	0.978	5.39e4	2.43e6	2.18	-12.6	0.888	bd
4	201125K1_4	50.0	0.77	NO	34.47	0.978	1.23e6	2.17e6	55.7	11.3	1.13	bd
5	201125K1_5	400	0.77	NO	34.47	0.978	9.56e6	2.30e6	410	2.4	1.04	bd
6	201125K1_6	1000	0.77	NO	34.49	0.978	2.32e7	2.41e6	946	-5.4	0.962	bd

**Compound name: PCB-58**

Response Factor: 1.08194

RRF SD: 0.0888466, Relative SD: 8.21182

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.69	NO	34.60	0.982	5.19e3	1.92e6	0.250	0.1	1.08	MM
2	201125K1_2	1.00	0.75	NO	34.58	0.982	2.18e4	2.14e6	0.940	-6.0	1.02	dd
3	201125K1_3	2.50	0.77	NO	34.58	0.982	5.94e4	2.43e6	2.26	-9.6	0.978	dd
4	201125K1_4	50.0	0.78	NO	34.58	0.982	1.34e6	2.17e6	56.9	13.8	1.23	dd
5	201125K1_5	400	0.79	NO	34.58	0.981	1.03e7	2.30e6	415	3.7	1.12	dd
6	201125K1_6	1000	0.78	NO	34.60	0.982	2.56e7	2.41e6	980	-2.0	1.06	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-63**

Response Factor: 0.970856

RRF SD: 0.0885327, Relative SD: 9.11904

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.76	NO	34.75	0.986	4.87e3	1.92e6	0.261	4.6	1.02	db
2 201125K1_2	1.00	0.75	NO	34.75	0.986	1.98e4	2.14e6	0.950	-5.0	0.922	db
3 201125K1_3	2.50	0.79	NO	34.75	0.986	5.20e4	2.43e6	2.21	-11.7	0.857	db
4 201125K1_4	50.0	0.76	NO	34.75	0.986	1.20e6	2.17e6	57.0	14.1	1.11	db
5 201125K1_5	400	0.78	NO	34.75	0.986	9.20e6	2.30e6	412	3.1	1.00	db
6 201125K1_6	1000	0.78	NO	34.77	0.986	2.23e7	2.41e6	950	-5.0	0.922	db

**Compound name: PCB-74**

Response Factor: 1.08748

RRF SD: 0.0961944, Relative SD: 8.84564

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	0.85	NO	35.05	0.994	5.11e3	1.92e6	0.245	-2.0	1.07	MM
2 201125K1_2	1.00	0.81	NO	35.05	0.995	2.18e4	2.14e6	0.935	-6.5	1.02	bd
3 201125K1_3	2.50	0.78	NO	35.05	0.995	5.97e4	2.43e6	2.26	-9.5	0.984	bd
4 201125K1_4	50.0	0.77	NO	35.05	0.995	1.36e6	2.17e6	57.6	15.3	1.25	bd
5 201125K1_5	400	0.78	NO	35.05	0.994	1.04e7	2.30e6	417	4.3	1.13	bd
6 201125K1_6	1000	0.78	NO	35.07	0.995	2.58e7	2.41e6	985	-1.5	1.07	bd

**Compound name: PCB-61/70**

Response Factor: 0.978165

RRF SD: 0.0892127, Relative SD: 9.12042

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.500	0.69	NO	35.20	0.998	9.93e3	1.92e6	0.529	5.8	1.04	MM
2 201125K1_2	2.00	0.75	NO	35.18	0.998	3.94e4	2.14e6	1.88	-6.1	0.918	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-61/70**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	0.81	NO	35.27	1.001	1.05e5	2.43e6	4.44	-11.2	0.869	MM
4	201125K1_4	100	0.77	NO	35.18	0.998	2.42e6	2.17e6	114	13.8	1.11	MM
5	201125K1_5	800	0.78	NO	35.18	0.998	1.84e7	2.30e6	820	2.5	1.00	MM
6	201125K1_6	2000	0.78	NO	35.20	0.998	4.49e7	2.41e6	1900	-4.8	0.931	MM

**Compound name: PCB-76/66**

Response Factor: 1.0712

RRF SD: 0.0824387, Relative SD: 7.69588

Response type: Internal Std ( Ref 181 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.75	NO	35.44	1.005	1.05e4	1.92e6	0.510	2.0	1.09	MM
2	201125K1_2	2.00	0.76	NO	35.46	1.006	4.30e4	2.14e6	1.87	-6.4	1.00	MM
3	201125K1_3	5.00	0.77	NO	35.44	1.006	1.17e5	2.43e6	4.50	-9.9	0.965	dd
4	201125K1_4	100	0.77	NO	35.46	1.006	2.60e6	2.17e6	112	11.6	1.20	MM
5	201125K1_5	800	0.77	NO	35.46	1.006	2.05e7	2.30e6	832	4.0	1.11	MM
6	201125K1_6	2000	0.77	NO	35.48	1.006	5.10e7	2.41e6	1970	-1.3	1.06	MM

**Compound name: PCB-80**

Response Factor: 1.07762

RRF SD: 0.0838862, Relative SD: 7.78439

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.82	NO	35.70	1.000	5.30e3	1.97e6	0.249	-0.3	1.07	MM
2	201125K1_2	1.00	0.76	NO	35.70	1.000	2.20e4	2.19e6	0.932	-6.8	1.00	MM
3	201125K1_3	2.50	0.80	NO	35.70	1.000	6.10e4	2.43e6	2.33	-7.0	1.00	MM
4	201125K1_4	50.0	0.78	NO	35.70	1.000	1.38e6	2.26e6	56.9	13.8	1.23	db
5	201125K1_5	400	0.78	NO	35.70	1.000	1.07e7	2.42e6	412	3.1	1.11	db
6	201125K1_6	1000	0.80	NO	35.72	1.000	2.67e7	2.55e6	972	-2.8	1.05	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-55**

Response Factor: 1.06473

RRF SD: 0.0834193, Relative SD: 7.83478

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.82	NO	36.04	1.010	5.28e3	1.97e6	0.251	0.4	1.07	MM
2	201125K1_2	1.00	0.79	NO	36.04	1.010	2.16e4	2.19e6	0.924	-7.6	0.984	MM
3	201125K1_3	2.50	0.80	NO	36.02	1.009	5.92e4	2.43e6	2.29	-8.6	0.973	MM
4	201125K1_4	50.0	0.78	NO	36.04	1.010	1.36e6	2.26e6	56.5	13.1	1.20	MM
5	201125K1_5	400	0.78	NO	36.04	1.010	1.04e7	2.42e6	405	1.3	1.08	MM
6	201125K1_6	1000	0.78	NO	36.06	1.010	2.76e7	2.55e6	1010	1.4	1.08	MM

**Compound name: PCB-56/60**

Response Factor: 0.945707

RRF SD: 0.0684457, Relative SD: 7.23752

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.75	NO	36.54	1.024	9.76e3	1.97e6	0.523	4.5	0.989	bb
2	201125K1_2	2.00	0.76	NO	36.54	1.024	3.91e4	2.19e6	1.88	-5.9	0.890	bb
3	201125K1_3	5.00	0.76	NO	36.54	1.024	1.07e5	2.43e6	4.64	-7.2	0.878	bd
4	201125K1_4	100	0.78	NO	36.54	1.024	2.38e6	2.26e6	111	11.3	1.05	bb
5	201125K1_5	800	0.78	NO	36.54	1.024	1.87e7	2.42e6	817	2.1	0.966	bb
6	201125K1_6	2000	0.80	NO	36.56	1.024	4.60e7	2.55e6	1900	-4.8	0.900	bb

**Compound name: PCB-79**

Response Factor: 1.05897

RRF SD: 0.0801989, Relative SD: 7.57328

Response type: Internal Std ( Ref 182 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.79	NO	37.66	1.055	5.52e3	1.97e6	0.264	5.7	1.12	MM
2	201125K1_2	1.00	0.79	NO	37.64	1.055	2.18e4	2.19e6	0.939	-6.1	0.994	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-79**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.78	NO	37.64	1.055	5.81e4	2.43e6	2.26	-9.8	0.955	bb
4	201125K1_4	50.0	0.78	NO	37.64	1.055	1.32e6	2.26e6	55.2	10.3	1.17	bb
5	201125K1_5	400	0.78	NO	37.64	1.055	1.05e7	2.42e6	410	2.6	1.09	bb
6	201125K1_6	1000	0.79	NO	37.66	1.055	2.63e7	2.55e6	973	-2.7	1.03	bb

**Compound name: PCB-78**

Response Factor: 1.00588

RRF SD: 0.0890395, Relative SD: 8.85189

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.85	NO	38.36	0.987	4.66e3	1.93e6	0.240	-3.9	0.967	MM
2	201125K1_2	1.00	0.80	NO	38.36	0.987	2.02e4	2.18e6	0.921	-7.9	0.926	MM
3	201125K1_3	2.50	0.74	NO	38.36	0.987	5.55e4	2.37e6	2.33	-7.0	0.936	MM
4	201125K1_4	50.0	0.77	NO	38.36	0.987	1.25e6	2.18e6	57.0	14.0	1.15	MM
5	201125K1_5	400	0.77	NO	38.36	0.987	1.01e7	2.34e6	431	7.7	1.08	MM
6	201125K1_6	1000	0.79	NO	38.38	0.987	2.51e7	2.57e6	970	-3.0	0.976	MM

**Compound name: PCB-81**

Response Factor: 0.94055

RRF SD: 0.0858476, Relative SD: 9.12738

Response type: Internal Std ( Ref 183 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.70	NO	38.90	1.000	4.88e3	1.93e6	0.269	7.7	1.01	MM
2	201125K1_2	1.00	0.76	NO	38.90	1.000	1.88e4	2.18e6	0.918	-8.2	0.863	MM
3	201125K1_3	2.50	0.81	NO	38.90	1.000	5.02e4	2.37e6	2.25	-10.1	0.846	MM
4	201125K1_4	50.0	0.77	NO	38.90	1.000	1.15e6	2.18e6	56.1	12.3	1.06	MM
5	201125K1_5	400	0.79	NO	38.90	1.000	9.09e6	2.34e6	413	3.3	0.972	MM
6	201125K1_6	1000	0.77	NO	38.92	1.000	2.30e7	2.57e6	949	-5.1	0.893	MM

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**Compound name: PCB-77**

Response Factor: 1.02971

RRF SD: 0.0894494, Relative SD: 8.68688

Response type: Internal Std ( Ref 184 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.81	NO	39.52	1.000	5.10e3	1.87e6	0.265	5.8	1.09	MM
2	201125K1_2	1.00	0.74	NO	39.52	1.000	1.97e4	2.12e6	0.902	-9.8	0.929	MM
3	201125K1_3	2.50	0.81	NO	39.52	1.000	5.54e4	2.33e6	2.31	-7.4	0.953	MM
4	201125K1_4	50.0	0.78	NO	39.52	1.000	1.21e6	2.09e6	56.3	12.7	1.16	MM
5	201125K1_5	400	0.79	NO	39.52	1.000	1.00e7	2.36e6	413	3.3	1.06	MM
6	201125K1_6	1000	0.79	NO	39.53	1.000	2.53e7	2.58e6	954	-4.6	0.983	MM

**Compound name: PCB-104**

Response Factor: 0.981656

RRF SD: 0.0861108, Relative SD: 8.772

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.60	NO	32.31	1.001	4.14e3	1.54e6	0.273	9.2	1.07	MM
2	201125K1_2	1.00	1.52	NO	32.31	1.001	1.62e4	1.79e6	0.922	-7.8	0.905	bd
3	201125K1_3	2.50	1.50	NO	32.31	1.001	4.34e4	1.98e6	2.23	-10.7	0.877	bb
4	201125K1_4	50.0	1.60	NO	32.31	1.001	9.78e5	1.80e6	55.2	10.5	1.08	bb
5	201125K1_5	400	1.55	NO	32.31	1.001	7.50e6	1.87e6	409	2.2	1.00	bb
6	201125K1_6	1000	1.57	NO	32.33	1.001	1.79e7	1.89e6	966	-3.4	0.948	bb

**Compound name: PCB-96**

Response Factor: 0.982431

RRF SD: 0.0844096, Relative SD: 8.59191

Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.59	NO	33.62	1.041	3.98e3	1.54e6	0.262	5.0	1.03	MM
2	201125K1_2	1.00	1.60	NO	33.62	1.041	1.60e4	1.79e6	0.914	-8.6	0.898	bb

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**Compound name: PCB-96**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.55	NO	33.60	1.041	4.38e4	1.98e6	2.25	-9.9	0.885	bb
4	201125K1_4	50.0	1.57	NO	33.62	1.041	9.84e5	1.80e6	55.5	11.1	1.09	bb
5	201125K1_5	400	1.59	NO	33.62	1.041	7.78e6	1.87e6	424	6.0	1.04	bb
6	201125K1_6	1000	1.57	NO	33.62	1.040	1.79e7	1.89e6	965	-3.5	0.948	bb

**Compound name: PCB-103**

Response Factor: 0.769563  
 RRF SD: 0.0649093, Relative SD: 8.43457  
 Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.65	NO	34.18	1.058	2.90e3	1.54e6	0.244	-2.3	0.752	db
2	201125K1_2	1.00	1.41	NO	34.18	1.058	1.27e4	1.79e6	0.923	-7.7	0.711	MM
3	201125K1_3	2.50	1.54	NO	34.18	1.059	3.44e4	1.98e6	2.26	-9.5	0.696	bb
4	201125K1_4	50.0	1.56	NO	34.18	1.058	7.78e5	1.80e6	56.1	12.2	0.863	bb
5	201125K1_5	400	1.58	NO	34.18	1.058	6.17e6	1.87e6	429	7.2	0.825	bb
6	201125K1_6	1000	1.59	NO	34.19	1.058	1.45e7	1.89e6	1000	0.1	0.770	bb

**Compound name: PCB-100**

Response Factor: 0.804703  
 RRF SD: 0.0579279, Relative SD: 7.19867  
 Response type: Internal Std ( Ref 185 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.55	NO	34.55	1.070	3.21e3	1.54e6	0.258	3.4	0.832	MM
2	201125K1_2	1.00	1.55	NO	34.53	1.069	1.35e4	1.79e6	0.939	-6.1	0.756	MM
3	201125K1_3	2.50	1.57	NO	34.53	1.070	3.56e4	1.98e6	2.24	-10.5	0.720	bb
4	201125K1_4	50.0	1.59	NO	34.53	1.069	7.93e5	1.80e6	54.7	9.4	0.880	bb
5	201125K1_5	400	1.59	NO	34.53	1.069	6.23e6	1.87e6	415	3.6	0.834	bb
6	201125K1_6	1000	1.58	NO	34.55	1.069	1.52e7	1.89e6	1000	0.2	0.806	bb

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**Compound name: PCB-94**

Response Factor: 0.830636

RRF SD: 0.0720654, Relative SD: 8.67592

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.40	NO	35.03	0.985	2.67e3	1.18e6	0.272	8.7	0.903	MM
2	201125K1_2	1.00	1.68	NO	35.03	0.985	9.99e3	1.35e6	0.888	-11.2	0.738	MM
3	201125K1_3	2.50	1.54	NO	35.03	0.985	2.95e4	1.50e6	2.37	-5.0	0.789	bb
4	201125K1_4	50.0	1.58	NO	35.03	0.985	6.40e5	1.39e6	55.6	11.3	0.924	bb
5	201125K1_5	400	1.55	NO	35.03	0.985	5.01e6	1.49e6	405	1.1	0.840	bb
6	201125K1_6	1000	1.57	NO	35.05	0.985	1.22e7	1.54e6	952	-4.8	0.791	bb

**Compound name: PCB-95/98/102**

Response Factor: 1.07078

RRF SD: 0.0804709, Relative SD: 7.51519

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.50	NO	35.52	0.999	9.93e3	1.18e6	0.783	4.4	1.12	MM
2	201125K1_2	3.00	1.61	NO	35.52	0.999	4.05e4	1.35e6	2.79	-6.8	0.997	bd
3	201125K1_3	7.50	1.64	NO	35.52	0.999	1.10e5	1.50e6	6.86	-8.5	0.980	bd
4	201125K1_4	150	1.57	NO	35.50	0.998	2.49e6	1.39e6	168	11.7	1.20	bd
5	201125K1_5	1200	1.58	NO	35.52	0.999	1.94e7	1.49e6	1220	1.5	1.09	bd
6	201125K1_6	3000	1.58	NO	35.53	0.999	4.85e7	1.54e6	2930	-2.3	1.05	bd

**Compound name: PCB-93**

Response Factor: 0.761484

RRF SD: 0.103741, Relative SD: 13.6236

Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.71	NO	35.67	1.003	2.72e3	1.18e6	0.302	20.7	0.919	MM
2	201125K1_2	1.00	1.68	NO	35.65	1.003	9.33e3	1.35e6	0.904	-9.6	0.689	dd



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**Compound name: PCB-93**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.71	NO	35.65	1.003	2.42e4	1.50e6	2.13	-15.0	0.648	db
4	201125K1_4	50.0	1.56	NO	35.65	1.003	5.86e5	1.39e6	55.5	11.0	0.845	db
5	201125K1_5	400	1.59	NO	35.65	1.003	4.58e6	1.49e6	403	0.9	0.768	db
6	201125K1_6	1000	1.61	NO	35.67	1.003	1.08e7	1.54e6	920	-8.0	0.701	db

**Compound name: PCB-88/91**

Response Factor: 0.910276  
 RRF SD: 0.0986818, Relative SD: 10.8409  
 Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.69	NO	35.98	1.012	5.32e3	1.18e6	0.493	-1.4	0.898	MM
2	201125K1_2	2.00	1.54	NO	35.98	1.012	2.46e4	1.35e6	2.00	-0.1	0.909	MM
3	201125K1_3	5.00	1.61	NO	35.98	1.012	5.92e4	1.50e6	4.34	-13.1	0.791	bd
4	201125K1_4	100	1.57	NO	35.98	1.012	1.47e6	1.39e6	117	16.8	1.06	bd
5	201125K1_5	800	1.57	NO	35.98	1.012	1.16e7	1.49e6	855	6.9	0.973	bd
6	201125K1_6	2000	1.57	NO	36.00	1.012	2.56e7	1.54e6	1820	-9.1	0.827	bd

**Compound name: PCB-121**

Response Factor: 1.46478  
 RRF SD: 0.109039, Relative SD: 7.44404  
 Response type: Internal Std ( Ref 186 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.66	NO	36.09	1.015	4.63e3	1.18e6	0.267	6.8	1.56	MM
2	201125K1_2	1.00	1.62	NO	36.07	1.015	1.74e4	1.35e6	0.876	-12.4	1.28	db
3	201125K1_3	2.50	1.63	NO	36.07	1.015	5.30e4	1.50e6	2.42	-3.2	1.42	db
4	201125K1_4	50.0	1.59	NO	36.07	1.015	1.07e6	1.39e6	52.9	5.8	1.55	db
5	201125K1_5	400	1.61	NO	36.07	1.015	8.53e6	1.49e6	391	-2.2	1.43	db
6	201125K1_6	1000	1.60	NO	36.09	1.015	2.38e7	1.54e6	1050	5.2	1.54	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-84/92**

Response Factor: 0.825802

RRF SD: 0.0835649, Relative SD: 10.1192

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.62	NO	36.93	0.990	5.87e3	1.26e6	0.562	12.5	0.929	MM
2	201125K1_2	2.00	1.54	NO	36.93	0.990	2.16e4	1.46e6	1.79	-10.4	0.740	bd
3	201125K1_3	5.00	1.68	NO	36.93	0.990	5.89e4	1.59e6	4.49	-10.1	0.742	MM
4	201125K1_4	100	1.59	NO	36.93	0.990	1.33e6	1.46e6	111	10.7	0.914	bd
5	201125K1_5	800	1.56	NO	36.93	0.990	1.08e7	1.59e6	819	2.4	0.846	bd
6	201125K1_6	2000	1.61	NO	36.95	0.990	2.64e7	1.69e6	1900	-5.0	0.784	bd

**Compound name: PCB-89**

Response Factor: 0.885177

RRF SD: 0.0835355, Relative SD: 9.43716

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.46	NO	37.12	0.995	2.96e3	1.26e6	0.264	5.8	0.936	MM
2	201125K1_2	1.00	1.60	NO	37.12	0.995	1.19e4	1.46e6	0.921	-7.9	0.816	dd
3	201125K1_3	2.50	1.62	NO	37.12	0.995	3.20e4	1.59e6	2.28	-8.8	0.807	MM
4	201125K1_4	50.0	1.57	NO	37.12	0.995	7.42e5	1.46e6	57.5	15.0	1.02	dd
5	201125K1_5	400	1.57	NO	37.12	0.995	5.76e6	1.59e6	409	2.2	0.905	dd
6	201125K1_6	1000	1.59	NO	37.13	0.995	1.40e7	1.69e6	936	-6.4	0.829	dd

**Compound name: PCB-90/101**

Response Factor: 0.904903

RRF SD: 0.0873718, Relative SD: 9.65538

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.66	NO	37.32	1.000	6.41e3	1.26e6	0.560	12.0	1.01	MM
2	201125K1_2	2.00	1.55	NO	37.30	1.000	2.44e4	1.46e6	1.85	-7.7	0.835	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-90/101**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.55	NO	37.30	1.000	6.48e4	1.59e6	4.51	-9.7	0.817	MM
4	201125K1_4	100	1.57	NO	37.32	1.000	1.47e6	1.46e6	111	11.2	1.01	dd
5	201125K1_5	800	1.55	NO	37.30	1.000	1.16e7	1.59e6	805	0.6	0.911	dd
6	201125K1_6	2000	1.56	NO	37.32	1.000	2.85e7	1.69e6	1870	-6.5	0.846	dd

**Compound name: PCB-113**

Response Factor: 1.25868

RRF SD: 0.123979, Relative SD: 9.8499

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	37.56	1.007	4.33e3	1.26e6	0.272	8.7	1.37	MM
2	201125K1_2	1.00	1.62	NO	37.56	1.007	1.64e4	1.46e6	0.895	-10.5	1.13	bd
3	201125K1_3	2.50	1.60	NO	37.56	1.007	4.53e4	1.59e6	2.27	-9.3	1.14	MM
4	201125K1_4	50.0	1.58	NO	37.56	1.007	1.04e6	1.46e6	56.7	13.5	1.43	dd
5	201125K1_5	400	1.57	NO	37.56	1.007	8.22e6	1.59e6	411	2.6	1.29	dd
6	201125K1_6	1000	1.55	NO	37.58	1.007	2.02e7	1.69e6	950	-5.0	1.20	dd

**Compound name: PCB-99**

Response Factor: 0.993379

RRF SD: 0.103125, Relative SD: 10.3813

Response type: Internal Std ( Ref 187 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.78	NO	37.67	1.010	3.55e3	1.26e6	0.282	12.9	1.12	MM
2	201125K1_2	1.00	1.61	NO	37.66	1.010	1.35e4	1.46e6	0.932	-6.8	0.926	db
3	201125K1_3	2.50	1.65	NO	37.66	1.010	3.44e4	1.59e6	2.19	-12.6	0.868	MM
4	201125K1_4	50.0	1.61	NO	37.66	1.010	8.05e5	1.46e6	55.6	11.2	1.10	db
5	201125K1_5	400	1.61	NO	37.66	1.010	6.42e6	1.59e6	406	1.6	1.01	db
6	201125K1_6	1000	1.57	NO	37.67	1.010	1.57e7	1.69e6	937	-6.3	0.930	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-119**

Response Factor: 1.53011

RRF SD: 0.140606, Relative SD: 9.18925

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.63	NO	38.14	0.987	4.26e3	1.02e6	0.273	9.1	1.67	MM
2	201125K1_2	1.00	1.73	NO	38.14	0.987	1.65e4	1.20e6	0.904	-9.6	1.38	bd
3	201125K1_3	2.50	1.60	NO	38.14	0.987	4.50e4	1.30e6	2.27	-9.2	1.39	bd
4	201125K1_4	50.0	1.61	NO	38.14	0.987	1.01e6	1.18e6	56.0	11.9	1.71	bd
5	201125K1_5	400	1.56	NO	38.14	0.987	8.15e6	1.31e6	408	1.9	1.56	bd
6	201125K1_6	1000	1.55	NO	38.16	0.987	2.03e7	1.38e6	959	-4.1	1.47	bd

**Compound name: PCB-108/112**

Response Factor: 1.24559

RRF SD: 0.103199, Relative SD: 8.28514

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.78	NO	38.29	0.991	6.48e3	1.02e6	0.509	1.8	1.27	dd
2	201125K1_2	2.00	1.58	NO	38.29	0.991	2.80e4	1.20e6	1.88	-6.0	1.17	dd
3	201125K1_3	5.00	1.48	NO	38.29	0.991	7.31e4	1.30e6	4.53	-9.4	1.13	dd
4	201125K1_4	100	1.59	NO	38.29	0.991	1.67e6	1.18e6	114	14.4	1.43	dd
5	201125K1_5	800	1.56	NO	38.29	0.991	1.32e7	1.31e6	812	1.4	1.26	dd
6	201125K1_6	2000	1.56	NO	38.31	0.991	3.36e7	1.38e6	1960	-2.2	1.22	dd

**Compound name: PCB-83**

Response Factor: 1.55726

RRF SD: 0.166748, Relative SD: 10.7078

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.49	NO	38.47	0.996	4.43e3	1.02e6	0.278	11.4	1.73	dd
2	201125K1_2	1.00	1.51	NO	38.46	0.995	1.67e4	1.20e6	0.898	-10.2	1.40	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-83**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.52	NO	38.46	0.995	4.52e4	1.30e6	2.24	-10.4	1.39	dd
4	201125K1_4	50.0	1.62	NO	38.46	0.995	1.04e6	1.18e6	56.8	13.6	1.77	dd
5	201125K1_5	400	1.57	NO	38.46	0.995	8.31e6	1.31e6	408	2.1	1.59	dd
6	201125K1_6	1000	1.58	NO	38.47	0.995	2.01e7	1.38e6	935	-6.5	1.46	dd

**Compound name: PCB-97**

Response Factor: 1.12347

RRF SD: 0.123352, Relative SD: 10.9796

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.66	NO	38.66	1.000	3.34e3	1.02e6	0.291	16.5	1.31	dd
2	201125K1_2	1.00	1.55	NO	38.66	1.000	1.23e4	1.20e6	0.916	-8.4	1.03	dd
3	201125K1_3	2.50	1.62	NO	38.66	1.000	3.24e4	1.30e6	2.22	-11.0	1.00	dd
4	201125K1_4	50.0	1.59	NO	38.66	1.000	7.23e5	1.18e6	54.8	9.5	1.23	dd
5	201125K1_5	400	1.57	NO	38.66	1.000	5.89e6	1.31e6	401	0.2	1.13	dd
6	201125K1_6	1000	1.56	NO	38.68	1.000	1.45e7	1.38e6	931	-6.9	1.05	dd

**Compound name: PCB-86**

Response Factor: 1.05834

RRF SD: 0.0913786, Relative SD: 8.63415

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.64	NO	38.83	1.005	2.81e3	1.02e6	0.260	4.0	1.10	dd
2	201125K1_2	1.00	1.54	NO	38.81	1.004	1.16e4	1.20e6	0.919	-8.1	0.972	dd
3	201125K1_3	2.50	1.49	NO	38.81	1.004	3.20e4	1.30e6	2.33	-6.8	0.986	dd
4	201125K1_4	50.0	1.57	NO	38.81	1.004	7.12e5	1.18e6	57.3	14.6	1.21	dd
5	201125K1_5	400	1.56	NO	38.83	1.005	5.63e6	1.31e6	407	1.7	1.08	dd
6	201125K1_6	1000	1.57	NO	38.83	1.004	1.38e7	1.38e6	946	-5.4	1.00	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-87/117/125**

Response Factor: 1.33972

RRF SD: 0.123729, Relative SD: 9.23539

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.60	NO	38.96	1.008	1.07e4	1.02e6	0.785	4.7	1.40	dd
2	201125K1_2	3.00	1.57	NO	38.94	1.008	4.31e4	1.20e6	2.69	-10.4	1.20	dd
3	201125K1_3	7.50	1.59	NO	38.94	1.008	1.17e5	1.30e6	6.75	-10.0	1.21	dd
4	201125K1_4	150	1.58	NO	38.94	1.008	2.67e6	1.18e6	169	12.9	1.51	dd
5	201125K1_5	1200	1.57	NO	38.96	1.008	2.20e7	1.31e6	1260	4.9	1.41	dd
6	201125K1_6	3000	1.56	NO	38.98	1.008	5.43e7	1.38e6	2940	-2.1	1.31	dd

**Compound name: PCB-111/115**

Response Factor: 1.61625

RRF SD: 0.17346, Relative SD: 10.7322

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.62	NO	39.11	1.012	9.10e3	1.02e6	0.551	10.2	1.78	dd
2	201125K1_2	2.00	1.62	NO	39.11	1.012	3.31e4	1.20e6	1.71	-14.3	1.39	dd
3	201125K1_3	5.00	1.62	NO	39.11	1.012	9.17e4	1.30e6	4.38	-12.4	1.42	MM
4	201125K1_4	100	1.58	NO	39.11	1.012	2.05e6	1.18e6	108	8.0	1.75	MM
5	201125K1_5	800	1.57	NO	39.11	1.012	1.81e7	1.31e6	855	6.8	1.73	dd
6	201125K1_6	2000	1.57	NO	39.13	1.012	4.54e7	1.38e6	2030	1.7	1.64	dd

**Compound name: PCB-85/116**

Response Factor: 1.23188

RRF SD: 0.114623, Relative SD: 9.3047

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.75	NO	39.24	1.015	6.44e3	1.02e6	0.511	2.3	1.26	MM
2	201125K1_2	2.00	1.57	NO	39.24	1.015	2.81e4	1.20e6	1.91	-4.6	1.18	MM

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**Compound name: PCB-85/116**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.59	NO	39.24	1.015	7.53e4	1.30e6	4.72	-5.6	1.16	MM
4	201125K1_4	100	1.60	NO	39.24	1.015	1.70e6	1.18e6	117	17.4	1.45	MM
5	201125K1_5	800	1.59	NO	39.24	1.015	1.27e7	1.31e6	791	-1.1	1.22	dd
6	201125K1_6	2000	1.60	NO	39.26	1.015	3.12e7	1.38e6	1830	-8.4	1.13	dd

**Compound name: PCB-120**

Response Factor: 1.79221

RRF SD: 0.184681, Relative SD: 10.3047

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.44	NO	39.52	1.023	5.20e3	1.02e6	0.284	13.7	2.04	MM
2	201125K1_2	1.00	1.49	NO	39.50	1.022	1.93e4	1.20e6	0.902	-9.8	1.62	MM
3	201125K1_3	2.50	1.68	NO	39.50	1.022	5.16e4	1.30e6	2.22	-11.1	1.59	dd
4	201125K1_4	50.0	1.54	NO	39.50	1.022	1.16e6	1.18e6	55.2	10.4	1.98	dd
5	201125K1_5	400	1.55	NO	39.50	1.022	9.45e6	1.31e6	403	0.9	1.81	dd
6	201125K1_6	1000	1.58	NO	39.52	1.022	2.38e7	1.38e6	960	-4.0	1.72	dd

**Compound name: PCB-110**

Response Factor: 1.49925

RRF SD: 0.169698, Relative SD: 11.3189

Response type: Internal Std ( Ref 188 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.67	NO	39.65	1.026	4.48e3	1.02e6	0.292	16.9	1.75	MM
2	201125K1_2	1.00	1.51	NO	39.63	1.026	1.62e4	1.20e6	0.901	-9.9	1.35	db
3	201125K1_3	2.50	1.60	NO	39.63	1.026	4.37e4	1.30e6	2.25	-10.1	1.35	db
4	201125K1_4	50.0	1.59	NO	39.63	1.026	9.72e5	1.18e6	55.2	10.4	1.66	db
5	201125K1_5	400	1.57	NO	39.63	1.026	7.79e6	1.31e6	398	-0.6	1.49	db
6	201125K1_6	1000	1.58	NO	39.65	1.026	1.93e7	1.38e6	932	-6.8	1.40	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-82**

Response Factor: 0.637669

RRF SD: 0.0554609, Relative SD: 8.69744

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.44	NO	40.30	0.976	2.48e3	1.49e6	0.262	4.6	0.667	MM
2	201125K1_2	1.00	1.57	NO	40.28	0.976	9.74e3	1.73e6	0.883	-11.7	0.563	db
3	201125K1_3	2.50	1.56	NO	40.28	0.976	2.78e4	1.81e6	2.41	-3.8	0.614	db
4	201125K1_4	50.0	1.60	NO	40.28	0.976	6.08e5	1.69e6	56.3	12.5	0.718	db
5	201125K1_5	400	1.55	NO	40.28	0.976	4.86e6	1.83e6	416	4.1	0.664	bb
6	201125K1_6	1000	1.59	NO	40.30	0.976	1.19e7	1.98e6	942	-5.8	0.601	db

**Compound name: PCB-124**

Response Factor: 1.07851

RRF SD: 0.0892914, Relative SD: 8.27915

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.43	NO	41.01	0.993	4.35e3	1.49e6	0.271	8.5	1.17	MM
2	201125K1_2	1.00	1.54	NO	40.99	0.993	1.73e4	1.73e6	0.929	-7.1	1.00	dd
3	201125K1_3	2.50	1.58	NO	40.99	0.993	4.38e4	1.81e6	2.24	-10.3	0.967	bd
4	201125K1_4	50.0	1.56	NO	40.99	0.993	1.00e6	1.69e6	54.8	9.7	1.18	bd
5	201125K1_5	400	1.57	NO	40.99	0.993	8.11e6	1.83e6	411	2.8	1.11	bd
6	201125K1_6	1000	1.56	NO	41.01	0.993	2.06e7	1.98e6	964	-3.6	1.04	bd

**Compound name: PCB-107/109**

Response Factor: 1.10856

RRF SD: 0.0830058, Relative SD: 7.48769

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.69	NO	41.14	0.996	8.49e3	1.49e6	0.514	2.9	1.14	dd
2	201125K1_2	2.00	1.52	NO	41.14	0.996	3.52e4	1.73e6	1.83	-8.3	1.02	dd



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-107/109**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	5.00	1.55	NO	41.14	0.996	9.17e4	1.81e6	4.56	-8.7	1.01	dd
4	201125K1_4	100	1.59	NO	41.14	0.996	2.06e6	1.69e6	110	9.9	1.22	dd
5	201125K1_5	800	1.56	NO	41.14	0.996	1.71e7	1.83e6	842	5.3	1.17	dd
6	201125K1_6	2000	1.58	NO	41.15	0.996	4.33e7	1.98e6	1980	-1.1	1.10	dd

**Compound name: PCB-123**

Response Factor: 1.00057

RRF SD: 0.0914738, Relative SD: 9.14221

Response type: Internal Std ( Ref 189 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.54	NO	41.32	1.000	4.14e3	1.49e6	0.278	11.1	1.11	dd
2	201125K1_2	1.00	1.38	NO	41.30	1.000	1.62e4	1.73e6	0.936	-6.4	0.937	dd
3	201125K1_3	2.50	1.53	NO	41.30	1.000	4.06e4	1.81e6	2.24	-10.5	0.895	dd
4	201125K1_4	50.0	1.60	NO	41.32	1.001	9.31e5	1.69e6	55.0	9.9	1.10	dd
5	201125K1_5	400	1.57	NO	41.32	1.001	7.48e6	1.83e6	409	2.2	1.02	dd
6	201125K1_6	1000	1.58	NO	41.34	1.001	1.85e7	1.98e6	937	-6.3	0.937	dd

**Compound name: PCB-106/118**

Response Factor: 1.02247

RRF SD: 0.078288, Relative SD: 7.65677

Response type: Internal Std ( Ref 190 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.55	NO	41.54	1.001	7.93e3	1.47e6	0.527	5.5	1.08	MM
2	201125K1_2	2.00	1.69	NO	41.53	1.001	3.37e4	1.72e6	1.91	-4.3	0.979	MM
3	201125K1_3	5.00	1.64	NO	41.53	1.001	8.82e4	1.84e6	4.69	-6.3	0.958	dd
4	201125K1_4	100	1.58	NO	41.53	1.001	1.97e6	1.72e6	112	12.3	1.15	MM
5	201125K1_5	800	1.56	NO	41.53	1.001	1.62e7	1.98e6	802	0.2	1.02	MM
6	201125K1_6	2000	1.59	NO	41.54	1.001	4.15e7	2.19e6	1850	-7.4	0.947	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-114**

Response Factor: 1.08393

RRF SD: 0.100361, Relative SD: 9.25897

Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.79	NO	42.19	1.000	4.91e3	1.68e6	0.270	7.9	1.17	MM
2	201125K1_2	1.00	1.58	NO	42.17	1.000	1.97e4	1.94e6	0.937	-6.3	1.02	MM
3	201125K1_3	2.50	1.50	NO	42.17	1.000	4.97e4	2.05e6	2.23	-10.8	0.967	MM
4	201125K1_4	50.0	1.58	NO	42.17	1.000	1.14e6	1.86e6	56.5	13.1	1.23	MM
5	201125K1_5	400	1.56	NO	42.17	1.000	9.09e6	2.05e6	408	2.0	1.11	MM
6	201125K1_6	1000	1.56	NO	42.19	1.000	2.27e7	2.23e6	941	-5.9	1.02	MM

**Compound name: PCB-122**

Response Factor: 0.930252

RRF SD: 0.081016, Relative SD: 8.70904

Response type: Internal Std ( Ref 191 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.78	NO	42.32	1.004	3.79e3	1.68e6	0.242	-3.1	0.902	MM
2	201125K1_2	1.00	1.53	NO	42.32	1.004	1.74e4	1.94e6	0.962	-3.8	0.895	dd
3	201125K1_3	2.50	1.60	NO	42.32	1.004	4.41e4	2.05e6	2.31	-7.7	0.859	dd
4	201125K1_4	50.0	1.61	NO	42.32	1.004	1.00e6	1.86e6	58.0	15.9	1.08	MM
5	201125K1_5	400	1.58	NO	42.32	1.004	7.94e6	2.05e6	416	3.9	0.967	MM
6	201125K1_6	1000	1.56	NO	42.34	1.004	1.97e7	2.23e6	948	-5.2	0.882	MM

**Compound name: PCB-105**

Response Factor: 1.03453

RRF SD: 0.0914333, Relative SD: 8.83811

Response type: Internal Std ( Ref 192 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.60	NO	43.08	1.000	4.74e3	1.79e6	0.256	2.5	1.06	MM
2	201125K1_2	1.00	1.67	NO	43.06	1.000	1.92e4	1.95e6	0.949	-5.1	0.982	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-105**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.63	NO	43.06	1.000	5.01e4	2.12e6	2.28	-8.7	0.945	bd
4	201125K1_4	50.0	1.60	NO	43.06	1.000	1.12e6	1.88e6	57.6	15.1	1.19	dd
5	201125K1_5	400	1.60	NO	43.06	1.000	8.94e6	2.10e6	411	2.9	1.06	MM
6	201125K1_6	1000	1.55	NO	43.08	1.000	2.22e7	2.30e6	933	-6.7	0.965	bd

**Compound name: PCB-127**

Response Factor: 1.05644  
 RRF SD: 0.0812189, Relative SD: 7.688  
 Response type: Internal Std ( Ref 193 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.62	NO	43.42	1.000	5.02e3	1.85e6	0.256	2.4	1.08	MM
2	201125K1_2	1.00	1.66	NO	43.42	1.000	2.02e4	2.02e6	0.944	-5.6	0.998	db
3	201125K1_3	2.50	1.66	NO	43.42	1.000	5.37e4	2.21e6	2.30	-8.1	0.971	db
4	201125K1_4	50.0	1.56	NO	43.42	1.000	1.21e6	2.04e6	56.2	12.5	1.19	db
5	201125K1_5	400	1.59	NO	43.42	1.000	9.54e6	2.18e6	414	3.6	1.09	db
6	201125K1_6	1000	1.59	NO	43.44	1.000	2.35e7	2.33e6	951	-4.9	1.01	db

**Compound name: PCB-126**

Response Factor: 1.15088  
 RRF SD: 0.103522, Relative SD: 8.99506  
 Response type: Internal Std ( Ref 194 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.68	NO	45.39	1.000	5.12e3	1.64e6	0.272	8.8	1.25	MM
2	201125K1_2	1.00	1.62	NO	45.37	1.000	2.32e4	2.19e6	0.921	-7.9	1.06	db
3	201125K1_3	2.50	1.52	NO	45.37	1.000	5.93e4	2.30e6	2.24	-10.2	1.03	db
4	201125K1_4	50.0	1.57	NO	45.37	1.000	1.32e6	2.06e6	55.8	11.6	1.28	db
5	201125K1_5	400	1.61	NO	45.37	1.000	9.91e6	2.10e6	410	2.4	1.18	db
6	201125K1_6	1000	1.61	NO	45.39	1.000	2.51e7	2.28e6	953	-4.7	1.10	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-155**

Response Factor: 0.852601

RRF SD: 0.0562188, Relative SD: 6.5938

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.26	NO	36.86	1.000	2.62e3	1.22e6	0.251	0.2	0.855	MM
2	201125K1_2	1.00	1.29	NO	36.84	1.000	1.19e4	1.44e6	0.971	-2.9	0.828	bb
3	201125K1_3	2.50	1.31	NO	36.86	1.001	3.13e4	1.61e6	2.28	-8.9	0.777	bb
4	201125K1_4	50.0	1.29	NO	36.86	1.001	6.90e5	1.47e6	55.2	10.3	0.940	bb
5	201125K1_5	400	1.30	NO	36.86	1.001	5.50e6	1.55e6	416	4.0	0.887	bb
6	201125K1_6	1000	1.27	NO	36.86	1.000	1.32e7	1.59e6	972	-2.8	0.829	bb

**Compound name: PCB-150**

Response Factor: 0.934238

RRF SD: 0.101585, Relative SD: 10.8736

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.18	NO	38.16	1.036	3.34e3	1.22e6	0.292	16.7	1.09	MM
2	201125K1_2	1.00	1.30	NO	38.14	1.036	1.21e4	1.44e6	0.899	-10.1	0.840	bb
3	201125K1_3	2.50	1.34	NO	38.14	1.036	3.29e4	1.61e6	2.18	-12.8	0.815	bb
4	201125K1_4	50.0	1.26	NO	38.16	1.036	7.29e5	1.47e6	53.2	6.4	0.994	bb
5	201125K1_5	400	1.28	NO	38.16	1.036	5.90e6	1.55e6	407	1.8	0.951	bb
6	201125K1_6	1000	1.28	NO	38.18	1.036	1.46e7	1.59e6	981	-1.9	0.916	bb

**Compound name: PCB-152**

Response Factor: 1.01819

RRF SD: 0.102406, Relative SD: 10.0576

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.23	NO	38.64	1.049	3.56e3	1.22e6	0.285	14.2	1.16	db
2	201125K1_2	1.00	1.24	NO	38.64	1.049	1.28e4	1.44e6	0.879	-12.1	0.895	bb

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**Compound name: PCB-152**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.29	NO	38.64	1.049	3.71e4	1.61e6	2.26	-9.7	0.919	bb
4	201125K1_4	50.0	1.34	NO	38.64	1.049	8.01e5	1.47e6	53.6	7.2	1.09	bb
5	201125K1_5	400	1.28	NO	38.64	1.049	6.48e6	1.55e6	410	2.6	1.04	bb
6	201125K1_6	1000	1.30	NO	38.66	1.049	1.59e7	1.59e6	979	-2.1	0.996	bb

**Compound name: PCB-145**

Response Factor: 0.982821

RRF SD: 0.0825517, Relative SD: 8.39946

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.39	NO	39.11	1.062	3.00e3	1.22e6	0.250	-0.2	0.981	MM
2	201125K1_2	1.00	1.30	NO	39.11	1.062	1.28e4	1.44e6	0.904	-9.6	0.889	bb
3	201125K1_3	2.50	1.20	NO	39.11	1.062	3.54e4	1.61e6	2.23	-10.6	0.879	bb
4	201125K1_4	50.0	1.26	NO	39.11	1.062	7.83e5	1.47e6	54.3	8.5	1.07	bb
5	201125K1_5	400	1.26	NO	39.11	1.062	6.56e6	1.55e6	431	7.6	1.06	bb
6	201125K1_6	1000	1.31	NO	39.13	1.062	1.63e7	1.59e6	1040	4.2	1.02	bb

**Compound name: PCB-136**

Response Factor: 0.881062

RRF SD: 0.0788666, Relative SD: 8.95131

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.24	NO	39.44	1.071	2.80e3	1.22e6	0.260	3.8	0.915	MM
2	201125K1_2	1.00	1.25	NO	39.42	1.071	1.14e4	1.44e6	0.905	-9.5	0.797	bd
3	201125K1_3	2.50	1.25	NO	39.42	1.071	3.15e4	1.61e6	2.22	-11.3	0.781	bd
4	201125K1_4	50.0	1.26	NO	39.42	1.071	7.24e5	1.47e6	56.0	12.0	0.986	bd
5	201125K1_5	400	1.29	NO	39.44	1.071	5.73e6	1.55e6	420	4.9	0.924	bd
6	201125K1_6	1000	1.27	NO	39.44	1.071	1.40e7	1.59e6	1000	0.1	0.882	bd

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**Compound name: PCB-148**

Response Factor: 0.666115  
 RRF SD: 0.0655819, Relative SD: 9.84543  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.07	NO	39.55	1.074	2.13e3	1.22e6	0.262	4.6	0.697	dd
2	201125K1_2	1.00	1.22	NO	39.53	1.074	8.67e3	1.44e6	0.907	-9.3	0.604	db
3	201125K1_3	2.50	1.34	NO	39.55	1.074	2.31e4	1.61e6	2.15	-13.9	0.574	db
4	201125K1_4	50.0	1.28	NO	39.55	1.074	5.46e5	1.47e6	55.9	11.7	0.744	db
5	201125K1_5	400	1.30	NO	39.55	1.074	4.41e6	1.55e6	427	6.8	0.712	db
6	201125K1_6	1000	1.32	NO	39.57	1.074	1.06e7	1.59e6	1000	-0.0	0.666	db

**Compound name: PCB-154**

Response Factor: 0.720709  
 RRF SD: 0.0489312, Relative SD: 6.78932  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.19	NO	40.06	1.087	2.11e3	1.22e6	0.239	-4.5	0.688	MM
2	201125K1_2	1.00	1.36	NO	40.06	1.088	1.01e4	1.44e6	0.972	-2.8	0.701	bb
3	201125K1_3	2.50	1.23	NO	40.06	1.088	2.65e4	1.61e6	2.28	-8.8	0.658	bb
4	201125K1_4	50.0	1.28	NO	40.06	1.088	5.79e5	1.47e6	54.7	9.4	0.789	bb
5	201125K1_5	400	1.29	NO	40.06	1.088	4.74e6	1.55e6	424	6.0	0.764	bb
6	201125K1_6	1000	1.26	NO	40.08	1.088	1.16e7	1.59e6	1010	0.6	0.725	bb

**Compound name: PCB-151**

Response Factor: 0.674097  
 RRF SD: 0.096058, Relative SD: 14.2499  
 Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.18	NO	40.71	1.105	2.61e3	1.22e6	0.316	26.3	0.852	MM
2	201125K1_2	1.00	1.37	NO	40.71	1.106	8.78e3	1.44e6	0.908	-9.2	0.612	bb

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**Compound name: PCB-151**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.41	NO	40.71	1.106	2.36e4	1.61e6	2.17	-13.3	0.584	MM
4	201125K1_4	50.0	1.31	NO	40.71	1.106	5.15e5	1.47e6	52.1	4.2	0.702	bd
5	201125K1_5	400	1.28	NO	40.71	1.106	4.11e6	1.55e6	393	-1.7	0.662	bd
6	201125K1_6	1000	1.31	NO	40.73	1.106	1.01e7	1.59e6	938	-6.2	0.632	bd

**Compound name: PCB-135**

Response Factor: 0.723039

RRF SD: 0.0991453, Relative SD: 13.7123

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.20	NO	40.95	1.112	2.73e3	1.22e6	0.308	23.2	0.891	dd
2	201125K1_2	1.00	1.15	NO	40.93	1.112	9.33e3	1.44e6	0.899	-10.1	0.650	MM
3	201125K1_3	2.50	1.27	NO	40.93	1.112	2.43e4	1.61e6	2.09	-16.5	0.604	dd
4	201125K1_4	50.0	1.25	NO	40.93	1.112	5.56e5	1.47e6	52.4	4.8	0.758	dd
5	201125K1_5	400	1.28	NO	40.95	1.112	4.50e6	1.55e6	402	0.4	0.726	MM
6	201125K1_6	1000	1.25	NO	40.95	1.112	1.13e7	1.59e6	982	-1.8	0.710	MM

**Compound name: PCB-144**

Response Factor: 0.691489

RRF SD: 0.0495355, Relative SD: 7.16361

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.26	NO	41.06	1.115	2.07e3	1.22e6	0.245	-2.0	0.678	MM
2	201125K1_2	1.00	1.21	NO	41.04	1.115	9.17e3	1.44e6	0.924	-7.6	0.639	MM
3	201125K1_3	2.50	1.31	NO	41.04	1.115	2.56e4	1.61e6	2.30	-8.2	0.635	dd
4	201125K1_4	50.0	1.29	NO	41.04	1.115	5.54e5	1.47e6	54.6	9.3	0.756	dd
5	201125K1_5	400	1.30	NO	41.06	1.115	4.55e6	1.55e6	424	6.0	0.733	MM
6	201125K1_6	1000	1.31	NO	41.06	1.115	1.13e7	1.59e6	1020	2.4	0.708	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-147**

Response Factor: 0.712824

RRF SD: 0.0990544, Relative SD: 13.8961

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.25	NO	41.19	1.118	2.68e3	1.22e6	0.307	22.8	0.876	db
2	201125K1_2	1.00	1.24	NO	41.17	1.118	9.28e3	1.44e6	0.907	-9.3	0.646	MM
3	201125K1_3	2.50	1.37	NO	41.19	1.119	2.35e4	1.61e6	2.04	-18.4	0.582	db
4	201125K1_4	50.0	1.29	NO	41.19	1.119	5.44e5	1.47e6	52.0	4.0	0.741	db
5	201125K1_5	400	1.32	NO	41.19	1.119	4.48e6	1.55e6	405	1.4	0.723	db
6	201125K1_6	1000	1.28	NO	41.21	1.119	1.13e7	1.59e6	996	-0.4	0.710	db

**Compound name: PCB-139/149**

Response Factor: 0.773171

RRF SD: 0.0638554, Relative SD: 8.25891

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.07	NO	41.47	1.126	4.99e3	1.22e6	0.527	5.4	0.815	MM
2	201125K1_2	2.00	1.35	NO	41.45	1.126	2.08e4	1.44e6	1.87	-6.4	0.723	bd
3	201125K1_3	5.00	1.25	NO	41.45	1.126	5.37e4	1.61e6	4.31	-13.9	0.666	bd
4	201125K1_4	100	1.26	NO	41.45	1.126	1.21e6	1.47e6	106	6.3	0.822	bd
5	201125K1_5	800	1.30	NO	41.47	1.126	1.01e7	1.55e6	840	5.0	0.812	bd
6	201125K1_6	2000	1.26	NO	41.47	1.126	2.55e7	1.59e6	2070	3.6	0.801	bd

**Compound name: PCB-140**

Response Factor: 0.652312

RRF SD: 0.0573166, Relative SD: 8.78668

Response type: Internal Std ( Ref 195 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.23	NO	41.66	1.131	2.12e3	1.22e6	0.266	6.4	0.694	MM
2	201125K1_2	1.00	1.23	NO	41.64	1.131	8.43e3	1.44e6	0.900	-10.0	0.587	db



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**Compound name: PCB-140**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.32	NO	41.64	1.131	2.34e4	1.61e6	2.22	-11.1	0.580	db
4	201125K1_4	50.0	1.28	NO	41.66	1.131	5.27e5	1.47e6	55.1	10.2	0.719	db
5	201125K1_5	400	1.31	NO	41.66	1.131	4.22e6	1.55e6	417	4.3	0.680	db
6	201125K1_6	1000	1.27	NO	41.67	1.131	1.04e7	1.59e6	1000	0.2	0.653	db

**Compound name: PCB-134/143**

Response Factor: 0.717673

RRF SD: 0.0518866, Relative SD: 7.22984

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.34	NO	42.11	0.974	5.25e3	1.49e6	0.491	-1.9	0.704	MM
2	201125K1_2	2.00	1.30	NO	42.11	0.975	2.21e4	1.61e6	1.91	-4.7	0.684	bb
3	201125K1_3	5.00	1.26	NO	42.09	0.974	5.81e4	1.77e6	4.58	-8.4	0.658	bb
4	201125K1_4	100	1.25	NO	42.11	0.975	1.29e6	1.60e6	113	12.6	0.808	bb
5	201125K1_5	800	1.24	NO	42.11	0.975	1.03e7	1.75e6	821	2.6	0.736	bb
6	201125K1_6	2000	1.24	NO	42.13	0.975	2.55e7	1.78e6	1990	-0.3	0.716	bb

**Compound name: PCB-131/133**

Response Factor: 0.767641

RRF SD: 0.0615073, Relative SD: 8.01251

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.15	NO	42.41	0.981	5.91e3	1.49e6	0.517	3.4	0.794	MM
2	201125K1_2	2.00	1.27	NO	42.41	0.982	2.32e4	1.61e6	1.87	-6.6	0.717	bd
3	201125K1_3	5.00	1.26	NO	42.41	0.982	5.97e4	1.77e6	4.41	-11.9	0.676	bd
4	201125K1_4	100	1.25	NO	42.41	0.982	1.36e6	1.60e6	111	10.7	0.850	bd
5	201125K1_5	800	1.24	NO	42.41	0.982	1.11e7	1.75e6	825	3.1	0.791	bd
6	201125K1_6	2000	1.25	NO	42.43	0.982	2.77e7	1.78e6	2030	1.3	0.778	bd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-142**

Response Factor: 0.687079

RRF SD: 0.0529721, Relative SD: 7.70975

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.29	NO	42.58	0.985	2.53e3	1.49e6	0.248	-1.0	0.680	dd
2	201125K1_2	1.00	1.24	NO	42.57	0.985	1.06e4	1.61e6	0.954	-4.6	0.655	dd
3	201125K1_3	2.50	1.23	NO	42.57	0.985	2.73e4	1.77e6	2.25	-9.9	0.619	dd
4	201125K1_4	50.0	1.25	NO	42.57	0.985	6.20e5	1.60e6	56.4	12.9	0.776	dd
5	201125K1_5	400	1.26	NO	42.57	0.985	4.96e6	1.75e6	413	3.2	0.709	dd
6	201125K1_6	1000	1.26	NO	42.58	0.985	1.22e7	1.78e6	994	-0.6	0.683	dd

**Compound name: PCB-146/165**

Response Factor: 0.9434

RRF SD: 0.0698543, Relative SD: 7.40453

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.22	NO	42.81	0.990	7.30e3	1.49e6	0.520	3.9	0.981	MM
2	201125K1_2	2.00	1.27	NO	42.79	0.990	2.81e4	1.61e6	1.85	-7.6	0.872	dd
3	201125K1_3	5.00	1.19	NO	42.81	0.991	7.52e4	1.77e6	4.51	-9.8	0.851	dd
4	201125K1_4	100	1.25	NO	42.81	0.991	1.66e6	1.60e6	110	9.9	1.04	dd
5	201125K1_5	800	1.25	NO	42.81	0.991	1.35e7	1.75e6	817	2.1	0.964	dd
6	201125K1_6	2000	1.25	NO	42.83	0.991	3.41e7	1.78e6	2030	1.4	0.957	dd

**Compound name: PCB-132/161**

Response Factor: 0.95709

RRF SD: 0.0791961, Relative SD: 8.27468

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.39	NO	43.06	0.996	7.59e3	1.49e6	0.532	6.4	1.02	MM
2	201125K1_2	2.00	1.28	NO	43.04	0.996	2.82e4	1.61e6	1.83	-8.6	0.875	dd

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**Compound name: PCB-132/161**

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3 201125K1_3	5.00	1.26	NO	43.04	0.996	7.58e4	1.77e6	4.48	-10.4	0.858	dd
4 201125K1_4	100	1.26	NO	43.04	0.996	1.69e6	1.60e6	111	10.5	1.06	dd
5 201125K1_5	800	1.25	NO	43.06	0.997	1.38e7	1.75e6	823	2.8	0.984	dd
6 201125K1_6	2000	1.26	NO	43.08	0.997	3.38e7	1.78e6	1980	-0.8	0.950	dd

**Compound name: PCB-153**

Response Factor: 0.990121

RRF SD: 0.0793774, Relative SD: 8.01694

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.39	NO	43.25	1.000	3.99e3	1.49e6	0.271	8.3	1.07	MM
2 201125K1_2	1.00	1.20	NO	43.23	1.000	1.54e4	1.61e6	0.961	-3.9	0.951	dd
3 201125K1_3	2.50	1.23	NO	43.23	1.000	4.00e4	1.77e6	2.29	-8.6	0.905	dd
4 201125K1_4	50.0	1.25	NO	43.23	1.000	8.79e5	1.60e6	55.6	11.2	1.10	dd
5 201125K1_5	400	1.25	NO	43.23	1.000	6.87e6	1.75e6	397	-0.8	0.982	dd
6 201125K1_6	1000	1.26	NO	43.25	1.000	1.65e7	1.78e6	938	-6.2	0.929	dd

**Compound name: PCB-168**

Response Factor: 1.03491

RRF SD: 0.123668, Relative SD: 11.9496

Response type: Internal Std ( Ref 196 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	0.250	1.32	NO	43.46	1.005	4.52e3	1.49e6	0.293	17.2	1.21	MM
2 201125K1_2	1.00	1.29	NO	43.46	1.006	1.47e4	1.61e6	0.879	-12.1	0.909	db
3 201125K1_3	2.50	1.27	NO	43.46	1.006	4.01e4	1.77e6	2.19	-12.2	0.908	db
4 201125K1_4	50.0	1.25	NO	43.46	1.006	9.07e5	1.60e6	54.9	9.8	1.14	db
5 201125K1_5	400	1.25	NO	43.46	1.006	7.38e6	1.75e6	408	2.0	1.06	db
6 201125K1_6	1000	1.25	NO	43.47	1.006	1.76e7	1.78e6	953	-4.7	0.987	db

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**Compound name: PCB-141**

Response Factor: 0.948301  
 RRF SD: 0.0929715, Relative SD: 9.80401  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.09	NO	44.01	1.000	3.13e3	1.18e6	0.279	11.6	1.06	MM
2	201125K1_2	1.00	1.18	NO	43.99	1.000	1.17e4	1.35e6	0.915	-8.5	0.868	MM
3	201125K1_3	2.50	1.25	NO	43.99	1.000	3.05e4	1.47e6	2.18	-12.8	0.827	MM
4	201125K1_4	50.0	1.25	NO	44.01	1.001	7.08e5	1.36e6	54.9	9.8	1.04	bd
5	201125K1_5	400	1.25	NO	44.01	1.000	5.55e6	1.43e6	410	2.6	0.973	bd
6	201125K1_6	1000	1.24	NO	44.03	1.001	1.35e7	1.47e6	972	-2.8	0.922	bd

**Compound name: PCB-137**

Response Factor: 0.96353  
 RRF SD: 0.0911472, Relative SD: 9.45971  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	44.40	1.010	3.12e3	1.18e6	0.274	9.6	1.06	MM
2	201125K1_2	1.00	1.22	NO	44.38	1.010	1.14e4	1.35e6	0.879	-12.1	0.847	bd
3	201125K1_3	2.50	1.25	NO	44.38	1.010	3.21e4	1.47e6	2.26	-9.7	0.870	bd
4	201125K1_4	50.0	1.23	NO	44.38	1.010	7.22e5	1.36e6	55.0	10.1	1.06	bd
5	201125K1_5	400	1.23	NO	44.38	1.009	5.68e6	1.43e6	414	3.5	0.997	bd
6	201125K1_6	1000	1.22	NO	44.40	1.010	1.39e7	1.47e6	986	-1.4	0.950	bd

**Compound name: PCB-130**

Response Factor: 0.816424  
 RRF SD: 0.0786335, Relative SD: 9.63145  
 Response type: Internal Std ( Ref 197 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.42	NO	44.50	1.012	2.27e3	1.18e6	0.235	-5.8	0.769	MM
2	201125K1_2	1.00	1.20	NO	44.50	1.012	9.97e3	1.35e6	0.905	-9.5	0.739	MM

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**Compound name: PCB-130**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.25	NO	44.50	1.012	2.74e4	1.47e6	2.28	-8.8	0.745	MM
4	201125K1_4	50.0	1.25	NO	44.50	1.012	6.27e5	1.36e6	56.4	12.9	0.922	MM
5	201125K1_5	400	1.25	NO	44.50	1.012	5.11e6	1.43e6	439	9.7	0.896	MM
6	201125K1_6	1000	1.25	NO	44.52	1.012	1.22e7	1.47e6	1020	1.5	0.829	MM

**Compound name: PCB-138/163/164**

Response Factor: 1.15391

RRF SD: 0.0854246, Relative SD: 7.40304

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.750	1.17	NO	44.90	1.001	1.09e4	1.23e6	0.764	1.9	1.18	MM
2	201125K1_2	3.00	1.19	NO	44.88	1.001	4.63e4	1.45e6	2.77	-7.8	1.06	bd
3	201125K1_3	7.50	1.26	NO	44.90	1.001	1.20e5	1.52e6	6.87	-8.4	1.06	bd
4	201125K1_4	150	1.25	NO	44.90	1.001	2.70e6	1.41e6	166	10.9	1.28	bd
5	201125K1_5	1200	1.24	NO	44.90	1.001	2.25e7	1.56e6	1250	4.4	1.20	MM
6	201125K1_6	3000	1.25	NO	44.92	1.001	5.59e7	1.63e6	2970	-1.0	1.14	MM

**Compound name: PCB-158/160**

Response Factor: 1.13802

RRF SD: 0.0855101, Relative SD: 7.51393

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.13	NO	45.14	1.006	7.31e3	1.23e6	0.521	4.2	1.19	MM
2	201125K1_2	2.00	1.16	NO	45.12	1.006	3.14e4	1.45e6	1.90	-5.1	1.08	dd
3	201125K1_3	5.00	1.23	NO	45.12	1.006	7.99e4	1.52e6	4.63	-7.3	1.05	dd
4	201125K1_4	100	1.25	NO	45.12	1.006	1.80e6	1.41e6	112	12.4	1.28	dd
5	201125K1_5	800	1.23	NO	45.14	1.007	1.44e7	1.56e6	810	1.2	1.15	MM
6	201125K1_6	2000	1.24	NO	45.14	1.006	3.51e7	1.63e6	1890	-5.5	1.08	MM

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**Compound name: PCB-129**

Response Factor: 0.806681

RRF SD: 0.0764974, Relative SD: 9.48298

Response type: Internal Std ( Ref 198 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.14	NO	45.39	1.012	2.19e3	1.23e6	0.220	-12.1	0.709	bb
2	201125K1_2	1.00	1.20	NO	45.37	1.012	1.20e4	1.45e6	1.02	2.2	0.824	db
3	201125K1_3	2.50	1.20	NO	45.37	1.012	2.97e4	1.52e6	2.43	-2.8	0.784	db
4	201125K1_4	50.0	1.24	NO	45.39	1.012	6.62e5	1.41e6	58.3	16.6	0.941	db
5	201125K1_5	400	1.23	NO	45.39	1.012	5.02e6	1.56e6	399	-0.2	0.805	MM
6	201125K1_6	1000	1.23	NO	45.41	1.012	1.27e7	1.63e6	963	-3.7	0.777	MM

**Compound name: PCB-166**

Response Factor: 1.03119

RRF SD: 0.0847646, Relative SD: 8.22007

Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	45.86	0.993	3.84e3	1.44e6	0.258	3.3	1.07	MM
2	201125K1_2	1.00	1.27	NO	45.84	0.993	1.70e4	1.77e6	0.928	-7.2	0.957	MM
3	201125K1_3	2.50	1.28	NO	45.84	0.993	4.39e4	1.88e6	2.27	-9.4	0.934	MM
4	201125K1_4	50.0	1.25	NO	45.84	0.993	9.93e5	1.71e6	56.2	12.4	1.16	MM
5	201125K1_5	400	1.23	NO	45.84	0.993	7.98e6	1.85e6	418	4.4	1.08	MM
6	201125K1_6	1000	1.25	NO	45.86	0.993	1.98e7	1.99e6	965	-3.5	0.995	MM

**Compound name: PCB-159**

Response Factor: 1.0964

RRF SD: 0.0899015, Relative SD: 8.19974

Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.25	NO	46.20	1.000	4.25e3	1.44e6	0.269	7.4	1.18	MM
2	201125K1_2	1.00	1.22	NO	46.19	1.000	1.78e4	1.77e6	0.915	-8.5	1.00	MM

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-159**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.22	NO	46.18	1.000	4.74e4	1.88e6	2.30	-8.0	1.01	MM
4	201125K1_4	50.0	1.24	NO	46.18	1.000	1.04e6	1.71e6	55.4	10.8	1.21	MM
5	201125K1_5	400	1.23	NO	46.20	1.000	8.35e6	1.85e6	411	2.8	1.13	MM
6	201125K1_6	1000	1.24	NO	46.20	1.000	2.08e7	1.99e6	955	-4.5	1.05	MM

**Compound name: PCB-128/162**

Response Factor: 0.836127  
 RRF SD: 0.0743149, Relative SD: 8.88799  
 Response type: Internal Std ( Ref 199 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.37	NO	46.51	1.007	6.68e3	1.44e6	0.555	10.9	0.927	MM
2	201125K1_2	2.00	1.21	NO	46.49	1.007	2.75e4	1.77e6	1.86	-7.2	0.776	MM
3	201125K1_3	5.00	1.29	NO	46.49	1.007	7.03e4	1.88e6	4.48	-10.5	0.749	MM
4	201125K1_4	100	1.24	NO	46.49	1.007	1.56e6	1.71e6	109	8.8	0.910	MM
5	201125K1_5	800	1.24	NO	46.49	1.007	1.28e7	1.85e6	825	3.2	0.863	MM
6	201125K1_6	2000	1.24	NO	46.51	1.007	3.15e7	1.99e6	1900	-5.2	0.792	MM

**Compound name: PCB-167**

Response Factor: 0.960374  
 RRF SD: 0.0617668, Relative SD: 6.43153  
 Response type: Internal Std ( Ref 200 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.37	NO	46.90	1.000	3.56e3	1.49e6	0.249	-0.5	0.956	MM
2	201125K1_2	1.00	1.26	NO	46.90	1.001	1.67e4	1.80e6	0.962	-3.8	0.924	MM
3	201125K1_3	2.50	1.20	NO	46.88	1.000	4.25e4	1.93e6	2.29	-8.2	0.882	bb
4	201125K1_4	50.0	1.23	NO	46.88	1.000	9.27e5	1.76e6	54.9	9.8	1.05	bb
5	201125K1_5	400	1.24	NO	46.90	1.000	7.61e6	1.89e6	419	4.8	1.01	bb
6	201125K1_6	1000	1.25	NO	46.90	1.000	1.90e7	2.02e6	978	-2.2	0.939	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-156**

Response Factor: 1.06254

RRF SD: 0.0932552, Relative SD: 8.77663

Response type: Internal Std ( Ref 201 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.21	NO	48.25	1.001	4.08e3	1.38e6	0.278	11.3	1.18	MM
2	201125K1_2	1.00	1.20	NO	48.23	1.000	1.67e4	1.66e6	0.946	-5.4	1.00	bd
3	201125K1_3	2.50	1.24	NO	48.23	1.000	4.24e4	1.79e6	2.22	-11.1	0.944	bd
4	201125K1_4	50.0	1.24	NO	48.23	1.001	9.52e5	1.64e6	54.6	9.2	1.16	bb
5	201125K1_5	400	1.24	NO	48.23	1.000	7.66e6	1.79e6	402	0.5	1.07	bd
6	201125K1_6	1000	1.24	NO	48.25	1.000	2.00e7	1.97e6	956	-4.4	1.02	bb

**Compound name: PCB-157**

Response Factor: 0.959906

RRF SD: 0.0939394, Relative SD: 9.78631

Response type: Internal Std ( Ref 202 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.36	NO	48.51	1.000	3.71e3	1.39e6	0.278	11.1	1.07	MM
2	201125K1_2	1.00	1.40	NO	48.50	1.000	1.46e4	1.70e6	0.897	-10.3	0.861	dd
3	201125K1_3	2.50	1.28	NO	48.50	1.000	3.99e4	1.81e6	2.29	-8.3	0.881	dd
4	201125K1_4	50.0	1.25	NO	48.50	1.000	8.88e5	1.66e6	55.9	11.8	1.07	bd
5	201125K1_5	400	1.25	NO	48.51	1.000	7.15e6	1.83e6	408	2.0	0.979	dd
6	201125K1_6	1000	1.25	NO	48.51	1.000	1.81e7	2.01e6	938	-6.2	0.900	bd

**Compound name: PCB-169**

Response Factor: 1.03922

RRF SD: 0.0926086, Relative SD: 8.91138

Response type: Internal Std ( Ref 203 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.26	NO	50.79	1.000	3.87e3	1.40e6	0.266	6.4	1.11	MM
2	201125K1_2	1.00	1.30	NO	50.77	1.000	1.58e4	1.68e6	0.904	-9.6	0.939	bb



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**Compound name: PCB-169**

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
201125K1_3	2.50	1.31	NO	50.79	1.000	4.20e4	1.78e6	2.27	-9.2	0.944	bb
201125K1_4	50.0	1.26	NO	50.77	1.000	9.54e5	1.63e6	56.4	12.9	1.17	bb
201125K1_5	400	1.25	NO	50.79	1.000	7.42e6	1.74e6	410	2.4	1.06	bb
201125K1_6	1000	1.25	NO	50.79	1.000	1.97e7	1.95e6	971	-2.9	1.01	bb

**Compound name: PCB-188**

Response Factor: 1.14978

RRF SD: 0.0865148, Relative SD: 7.52447

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
201125K1_1	0.250	1.03	NO	42.85	1.000	3.84e3	1.26e6	0.266	6.4	1.22	MM
201125K1_2	1.00	1.05	NO	42.85	1.000	1.53e4	1.42e6	0.937	-6.3	1.08	bb
201125K1_3	2.50	0.96	NO	42.85	1.000	4.11e4	1.52e6	2.35	-5.9	1.08	bb
201125K1_4	50.0	1.04	NO	42.85	1.000	8.97e5	1.41e6	55.5	10.9	1.28	bb
201125K1_5	400	1.03	NO	42.85	1.000	7.52e6	1.61e6	407	1.7	1.17	bb
201125K1_6	1000	1.03	NO	42.87	1.000	1.83e7	1.71e6	932	-6.8	1.07	bb

**Compound name: PCB-184**

Response Factor: 1.13984

RRF SD: 0.122278, Relative SD: 10.7276

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
201125K1_1	0.250	0.96	NO	43.32	1.012	4.09e3	1.26e6	0.286	14.2	1.30	MM
201125K1_2	1.00	1.08	NO	43.31	1.011	1.50e4	1.42e6	0.928	-7.2	1.06	bb
201125K1_3	2.50	1.10	NO	43.31	1.011	4.14e4	1.52e6	2.39	-4.2	1.09	bb
201125K1_4	50.0	1.04	NO	43.32	1.012	9.01e5	1.41e6	56.2	12.5	1.28	bb
201125K1_5	400	1.04	NO	43.32	1.012	7.06e6	1.61e6	385	-3.7	1.10	bb
201125K1_6	1000	1.03	NO	43.34	1.012	1.73e7	1.71e6	885	-11.5	1.01	bb

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**Compound name: PCB-179**

Response Factor: 1.0746

RRF SD: 0.121782, Relative SD: 11.3327

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.11	NO	44.12	1.030	2.97e3	1.26e6	0.220	-12.0	0.945	bb
2	201125K1_2	1.00	0.93	NO	44.12	1.030	1.49e4	1.42e6	0.979	-2.1	1.05	bb
3	201125K1_3	2.50	1.07	NO	44.12	1.030	3.91e4	1.52e6	2.40	-4.1	1.03	bb
4	201125K1_4	50.0	1.02	NO	44.12	1.030	9.13e5	1.41e6	60.4	20.8	1.30	bb
5	201125K1_5	400	1.05	NO	44.12	1.030	7.14e6	1.61e6	413	3.2	1.11	bb
6	201125K1_6	1000	1.05	NO	44.14	1.030	1.73e7	1.71e6	943	-5.7	1.01	bb

**Compound name: PCB-176**

Response Factor: 1.11287

RRF SD: 0.0852407, Relative SD: 7.65954

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.93	NO	44.59	1.041	3.46e3	1.26e6	0.248	-0.8	1.10	MM
2	201125K1_2	1.00	1.09	NO	44.59	1.041	1.55e4	1.42e6	0.980	-2.0	1.09	bb
3	201125K1_3	2.50	1.06	NO	44.59	1.041	4.06e4	1.52e6	2.41	-3.8	1.07	bb
4	201125K1_4	50.0	1.02	NO	44.59	1.041	8.91e5	1.41e6	57.0	13.9	1.27	bb
5	201125K1_5	400	1.05	NO	44.59	1.041	7.27e6	1.61e6	406	1.5	1.13	bb
6	201125K1_6	1000	1.03	NO	44.61	1.041	1.74e7	1.71e6	912	-8.8	1.01	bb

**Compound name: PCB-186**

Response Factor: 1.2312

RRF SD: 0.107186, Relative SD: 8.7058

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.17	NO	45.24	1.056	3.64e3	1.26e6	0.236	-5.7	1.16	db
2	201125K1_2	1.00	1.06	NO	45.22	1.056	1.73e4	1.42e6	0.993	-0.7	1.22	bb

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**Compound name: PCB-186**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.02	NO	45.22	1.056	4.66e4	1.52e6	2.49	-0.3	1.23	bb
4	201125K1_4	50.0	1.03	NO	45.22	1.056	1.00e6	1.41e6	58.0	16.1	1.43	bb
5	201125K1_5	400	1.04	NO	45.22	1.056	7.93e6	1.61e6	400	0.0	1.23	bb
6	201125K1_6	1000	1.04	NO	45.24	1.056	1.91e7	1.71e6	907	-9.3	1.12	bb

**Compound name: PCB-178**

Response Factor: 0.830122  
 RRF SD: 0.0681517, Relative SD: 8.20984  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	45.75	1.068	2.58e3	1.26e6	0.247	-1.0	0.822	MM
2	201125K1_2	1.00	1.06	NO	45.73	1.068	1.22e4	1.42e6	1.03	3.2	0.857	bb
3	201125K1_3	2.50	1.01	NO	45.73	1.068	2.93e4	1.52e6	2.32	-7.0	0.772	bb
4	201125K1_4	50.0	1.03	NO	45.73	1.068	6.66e5	1.41e6	57.1	14.1	0.947	bb
5	201125K1_5	400	1.03	NO	45.73	1.068	5.32e6	1.61e6	398	-0.5	0.826	bb
6	201125K1_6	1000	1.03	NO	45.75	1.068	1.30e7	1.71e6	912	-8.8	0.757	bb

**Compound name: PCB-175**

Response Factor: 0.852865  
 RRF SD: 0.0676445, Relative SD: 7.93145  
 Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.92	NO	46.09	1.076	2.83e3	1.26e6	0.265	5.8	0.902	bd
2	201125K1_2	1.00	1.02	NO	46.09	1.076	1.16e4	1.42e6	0.956	-4.4	0.815	bd
3	201125K1_3	2.50	0.98	NO	46.09	1.076	3.04e4	1.52e6	2.35	-6.1	0.801	bd
4	201125K1_4	50.0	1.06	NO	46.09	1.076	6.72e5	1.41e6	56.0	12.1	0.956	bd
5	201125K1_5	400	1.02	NO	46.09	1.076	5.56e6	1.61e6	405	1.4	0.865	bd
6	201125K1_6	1000	1.04	NO	46.11	1.076	1.33e7	1.71e6	913	-8.7	0.778	bd

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**Compound name: PCB-182/187**

Response Factor: 0.94182

RRF SD: 0.0798673, Relative SD: 8.4801

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	1.00	NO	46.30	1.081	5.97e3	1.26e6	0.505	1.0	0.951	db
2	201125K1_2	2.00	1.12	NO	46.26	1.080	2.49e4	1.42e6	1.86	-6.9	0.877	db
3	201125K1_3	5.00	1.08	NO	46.28	1.081	6.61e4	1.52e6	4.63	-7.5	0.871	db
4	201125K1_4	100	1.04	NO	46.28	1.081	1.52e6	1.41e6	115	14.9	1.08	db
5	201125K1_5	800	1.04	NO	46.28	1.081	1.25e7	1.61e6	826	3.3	0.973	db
6	201125K1_6	2000	1.03	NO	46.30	1.081	3.07e7	1.71e6	1900	-4.8	0.896	db

**Compound name: PCB-183**

Response Factor: 0.910092

RRF SD: 0.0770699, Relative SD: 8.46836

Response type: Internal Std ( Ref 204 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.13	NO	46.60	1.088	2.95e3	1.26e6	0.258	3.1	0.939	MM
2	201125K1_2	1.00	0.99	NO	46.60	1.088	1.23e4	1.42e6	0.949	-5.1	0.864	bb
3	201125K1_3	2.50	1.08	NO	46.60	1.088	3.19e4	1.52e6	2.31	-7.6	0.841	bb
4	201125K1_4	50.0	1.04	NO	46.60	1.088	7.34e5	1.41e6	57.3	14.7	1.04	bb
5	201125K1_5	400	1.03	NO	46.60	1.088	5.96e6	1.61e6	407	1.7	0.926	bb
6	201125K1_6	1000	1.05	NO	46.62	1.088	1.45e7	1.71e6	931	-6.9	0.848	bb

**Compound name: PCB-185**

Response Factor: 1.23838

RRF SD: 0.113934, Relative SD: 9.2002

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.94	NO	47.28	0.955	2.28e3	8.18e5	0.225	-10.1	1.11	bb
2	201125K1_2	1.00	1.01	NO	47.28	0.955	1.15e4	9.17e5	1.01	1.3	1.25	bb

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**Compound name: PCB-185**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.05	NO	47.28	0.955	2.90e4	1.02e6	2.30	-7.9	1.14	bb
4	201125K1_4	50.0	1.03	NO	47.28	0.955	6.65e5	9.31e5	57.6	15.2	1.43	bb
5	201125K1_5	400	1.05	NO	47.28	0.955	5.32e6	1.03e6	416	4.1	1.29	bb
6	201125K1_6	1000	1.05	NO	47.30	0.955	1.32e7	1.10e6	973	-2.7	1.21	bb

**Compound name: PCB-174**

Response Factor: 1.19822

RRF SD: 0.127974, Relative SD: 10.6803

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.06	NO	47.66	0.962	2.71e3	8.18e5	0.277	10.8	1.33	MM
2	201125K1_2	1.00	1.05	NO	47.66	0.962	1.03e4	9.17e5	0.939	-6.1	1.13	bd
3	201125K1_3	2.50	0.99	NO	47.64	0.962	2.63e4	1.02e6	2.16	-13.7	1.03	bd
4	201125K1_4	50.0	1.01	NO	47.66	0.962	6.21e5	9.31e5	55.6	11.2	1.33	bd
5	201125K1_5	400	1.02	NO	47.66	0.962	5.24e6	1.03e6	424	6.0	1.27	bd
6	201125K1_6	1000	1.03	NO	47.66	0.962	1.21e7	1.10e6	918	-8.2	1.10	bd

**Compound name: PCB-181**

Response Factor: 1.32963

RRF SD: 0.12544, Relative SD: 9.43425

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.12	NO	47.78	0.964	2.56e3	8.18e5	0.235	-6.0	1.25	MM
2	201125K1_2	1.00	1.07	NO	47.76	0.964	1.20e4	9.17e5	0.983	-1.7	1.31	dd
3	201125K1_3	2.50	0.97	NO	47.76	0.964	3.07e4	1.02e6	2.27	-9.0	1.21	dd
4	201125K1_4	50.0	1.04	NO	47.76	0.964	7.30e5	9.31e5	58.9	17.9	1.57	dd
5	201125K1_5	400	1.01	NO	47.76	0.964	5.38e6	1.03e6	392	-2.1	1.30	dd
6	201125K1_6	1000	1.02	NO	47.78	0.964	1.47e7	1.10e6	1010	0.9	1.34	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-177**

Response Factor: 1.14129

RRF SD: 0.0993816, Relative SD: 8.70783

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	47.95	0.968	2.20e3	8.18e5	0.236	-5.6	1.08	MM
2	201125K1_2	1.00	0.99	NO	47.93	0.967	1.08e4	9.17e5	1.03	3.1	1.18	db
3	201125K1_3	2.50	0.98	NO	47.93	0.967	2.62e4	1.02e6	2.25	-9.8	1.03	db
4	201125K1_4	50.0	1.01	NO	47.93	0.967	6.11e5	9.31e5	57.5	15.0	1.31	db
5	201125K1_5	400	1.00	NO	47.95	0.968	4.78e6	1.03e6	405	1.3	1.16	db
6	201125K1_6	1000	1.03	NO	47.95	0.967	1.20e7	1.10e6	960	-4.0	1.10	db

**Compound name: PCB-171**

Response Factor: 1.2176

RRF SD: 0.111823, Relative SD: 9.18391

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.05	NO	48.25	0.974	2.76e3	8.18e5	0.277	10.9	1.35	MM
2	201125K1_2	1.00	1.07	NO	48.23	0.974	1.03e4	9.17e5	0.927	-7.3	1.13	bd
3	201125K1_3	2.50	1.09	NO	48.23	0.974	2.74e4	1.02e6	2.21	-11.5	1.08	bd
4	201125K1_4	50.0	1.02	NO	48.23	0.974	6.25e5	9.31e5	55.1	10.2	1.34	bd
5	201125K1_5	400	1.03	NO	48.25	0.974	5.09e6	1.03e6	405	1.2	1.23	bd
6	201125K1_6	1000	1.04	NO	48.25	0.974	1.29e7	1.10e6	966	-3.4	1.18	bd

**Compound name: PCB-173**

Response Factor: 1.06761

RRF SD: 0.0813238, Relative SD: 7.61737

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.15	NO	48.69	0.983	1.98e3	8.18e5	0.227	-9.2	0.969	MM
2	201125K1_2	1.00	1.05	NO	48.67	0.982	9.72e3	9.17e5	0.993	-0.7	1.06	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-173**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.01	NO	48.67	0.982	2.62e4	1.02e6	2.41	-3.5	1.03	db
4	201125K1_4	50.0	1.03	NO	48.67	0.982	5.64e5	9.31e5	56.8	13.5	1.21	db
5	201125K1_5	400	1.04	NO	48.69	0.983	4.50e6	1.03e6	409	2.2	1.09	bb
6	201125K1_6	1000	1.02	NO	48.69	0.982	1.15e7	1.10e6	978	-2.2	1.04	bb

**Compound name: PCB-172**

Response Factor: 1.2571

RRF SD: 0.0971729, Relative SD: 7.72991

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.06	NO	49.16	0.992	2.66e3	8.18e5	0.259	3.6	1.30	MM
2	201125K1_2	1.00	0.94	NO	49.14	0.992	1.09e4	9.17e5	0.942	-5.8	1.18	bd
3	201125K1_3	2.50	0.99	NO	49.14	0.992	2.86e4	1.02e6	2.24	-10.3	1.13	dd
4	201125K1_4	50.0	1.04	NO	49.14	0.992	6.54e5	9.31e5	55.9	11.8	1.41	dd
5	201125K1_5	400	1.03	NO	49.14	0.992	5.31e6	1.03e6	409	2.2	1.29	MM
6	201125K1_6	1000	1.02	NO	49.16	0.992	1.36e7	1.10e6	984	-1.6	1.24	dd

**Compound name: PCB-192**

Response Factor: 1.61387

RRF SD: 0.133594, Relative SD: 8.27787

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.18	NO	49.35	0.996	3.48e3	8.18e5	0.264	5.5	1.70	MM
2	201125K1_2	1.00	1.05	NO	49.35	0.996	1.40e4	9.17e5	0.948	-5.2	1.53	dd
3	201125K1_3	2.50	1.00	NO	49.35	0.996	3.61e4	1.02e6	2.20	-12.0	1.42	dd
4	201125K1_4	50.0	1.06	NO	49.33	0.996	8.41e5	9.31e5	55.9	11.8	1.80	dd
5	201125K1_5	400	1.01	NO	49.35	0.996	6.70e6	1.03e6	402	0.5	1.62	MM
6	201125K1_6	1000	1.04	NO	49.35	0.996	1.76e7	1.10e6	994	-0.6	1.60	dd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-180**

Response Factor: 1.30127

RRF SD: 0.108671, Relative SD: 8.35116

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	49.56	1.000	2.90e3	8.18e5	0.273	9.1	1.42	MM
2	201125K1_2	1.00	1.01	NO	49.56	1.000	1.17e4	9.17e5	0.979	-2.1	1.27	dd
3	201125K1_3	2.50	1.04	NO	49.56	1.000	2.90e4	1.02e6	2.19	-12.2	1.14	dd
4	201125K1_4	50.0	1.03	NO	49.56	1.000	6.64e5	9.31e5	54.8	9.6	1.43	dd
5	201125K1_5	400	1.03	NO	49.56	1.000	5.39e6	1.03e6	401	0.3	1.31	MM
6	201125K1_6	1000	1.04	NO	49.58	1.000	1.36e7	1.10e6	954	-4.6	1.24	dd

**Compound name: PCB-193**

Response Factor: 1.47149

RRF SD: 0.108088, Relative SD: 7.34545

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	49.78	1.005	3.17e3	8.18e5	0.264	5.4	1.55	bb
2	201125K1_2	1.00	1.04	NO	49.76	1.005	1.32e4	9.17e5	0.977	-2.3	1.44	db
3	201125K1_3	2.50	1.04	NO	49.76	1.005	3.38e4	1.02e6	2.26	-9.6	1.33	dd
4	201125K1_4	50.0	1.05	NO	49.76	1.005	7.63e5	9.31e5	55.6	11.3	1.64	db
5	201125K1_5	400	1.03	NO	49.76	1.005	6.01e6	1.03e6	396	-1.1	1.46	MM
6	201125K1_6	1000	1.04	NO	49.78	1.005	1.56e7	1.10e6	963	-3.7	1.42	db

**Compound name: PCB-191**

Response Factor: 1.50589

RRF SD: 0.103084, Relative SD: 6.84542

Response type: Internal Std ( Ref 205 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.10	NO	50.05	1.010	3.16e3	8.18e5	0.257	2.6	1.55	bb
2	201125K1_2	1.00	1.10	NO	50.03	1.010	1.34e4	9.17e5	0.971	-2.9	1.46	bb



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**Compound name: PCB-191**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.00	NO	50.03	1.010	3.50e4	1.02e6	2.29	-8.4	1.38	db
4	201125K1_4	50.0	1.05	NO	50.03	1.010	7.83e5	9.31e5	55.9	11.7	1.68	bb
5	201125K1_5	400	1.03	NO	50.03	1.010	6.24e6	1.03e6	401	0.3	1.51	bb
6	201125K1_6	1000	1.02	NO	50.05	1.010	1.60e7	1.10e6	968	-3.2	1.46	bb

**Compound name: PCB-170**

Response Factor: 1.23123  
 RRF SD: 0.140921, Relative SD: 11.4455  
 Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.04	NO	51.22	1.000	2.62e3	7.25e5	0.294	17.4	1.45	MM
2	201125K1_2	1.00	0.97	NO	51.22	1.000	9.44e3	8.58e5	0.893	-10.7	1.10	bd
3	201125K1_3	2.50	1.08	NO	51.22	1.000	2.52e4	9.23e5	2.22	-11.2	1.09	bd
4	201125K1_4	50.0	1.02	NO	51.22	1.000	5.71e5	8.53e5	54.4	8.7	1.34	bd
5	201125K1_5	400	1.04	NO	51.22	1.000	4.55e6	9.09e5	406	1.6	1.25	bd
6	201125K1_6	1000	1.04	NO	51.24	1.000	1.17e7	1.01e6	942	-5.8	1.16	bd

**Compound name: PCB-190**

Response Factor: 1.60982  
 RRF SD: 0.125108, Relative SD: 7.77152  
 Response type: Internal Std ( Ref 206 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	51.43	1.004	2.90e3	7.25e5	0.248	-0.7	1.60	MM
2	201125K1_2	1.00	1.06	NO	51.41	1.004	1.38e4	8.58e5	0.996	-0.4	1.60	db
3	201125K1_3	2.50	1.01	NO	51.41	1.004	3.29e4	9.23e5	2.21	-11.5	1.42	db
4	201125K1_4	50.0	1.02	NO	51.41	1.004	7.67e5	8.53e5	55.9	11.8	1.80	db
5	201125K1_5	400	1.04	NO	51.41	1.004	6.10e6	9.09e5	417	4.2	1.68	db
6	201125K1_6	1000	1.00	NO	51.43	1.004	1.57e7	1.01e6	966	-3.4	1.56	db

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**Compound name: PCB-189**

Response Factor: 1.27206

RRF SD: 0.125093, Relative SD: 9.8339

Response type: Internal Std ( Ref 207 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.95	NO	52.93	1.000	3.26e3	9.40e5	0.273	9.1	1.39	MM
2	201125K1_2	1.00	0.91	NO	52.93	1.000	1.28e4	1.13e6	0.886	-11.4	1.13	MM
3	201125K1_3	2.50	0.99	NO	52.93	1.000	3.40e4	1.18e6	2.26	-9.7	1.15	bd
4	201125K1_4	50.0	1.04	NO	52.93	1.000	7.70e5	1.07e6	56.4	12.7	1.43	bb
5	201125K1_5	400	1.03	NO	52.93	1.000	6.45e6	1.24e6	409	2.3	1.30	bb
6	201125K1_6	1000	1.03	NO	52.95	1.000	1.65e7	1.34e6	969	-3.1	1.23	bb

**Compound name: PCB-202**

Response Factor: 0.99452

RRF SD: 0.0985506, Relative SD: 9.90936

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.90	NO	48.46	1.000	2.84e3	1.06e6	0.269	7.7	1.07	MM
2	201125K1_2	1.00	0.86	NO	48.44	1.000	1.08e4	1.25e6	0.875	-12.5	0.870	bb
3	201125K1_3	2.50	0.90	NO	48.44	1.000	3.16e4	1.40e6	2.27	-9.2	0.903	bb
4	201125K1_4	50.0	0.89	NO	48.44	1.000	7.08e5	1.26e6	56.3	12.6	1.12	bb
5	201125K1_5	400	0.90	NO	48.46	1.000	5.86e6	1.41e6	419	4.7	1.04	bb
6	201125K1_6	1000	0.90	NO	48.46	1.000	1.48e7	1.54e6	967	-3.3	0.962	bb

**Compound name: PCB-201**

Response Factor: 0.903723

RRF SD: 0.0708146, Relative SD: 7.83588

Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.80	NO	48.95	1.011	2.43e3	1.06e6	0.253	1.2	0.915	MM
2	201125K1_2	1.00	0.82	NO	48.95	1.011	1.07e4	1.25e6	0.953	-4.7	0.861	bd

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**Compound name: PCB-201**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.93	NO	48.95	1.011	2.92e4	1.40e6	2.31	-7.8	0.833	bd
4	201125K1_4	50.0	0.90	NO	48.95	1.011	6.53e5	1.26e6	57.1	14.3	1.03	bd
5	201125K1_5	400	0.90	NO	48.95	1.010	5.15e6	1.41e6	405	1.2	0.914	bd
6	201125K1_6	1000	0.89	NO	48.97	1.011	1.33e7	1.54e6	958	-4.2	0.866	bd

**Compound name: PCB-204**

Response Factor: 0.954692  
 RRF SD: 0.0868925, Relative SD: 9.10163  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.99	NO	49.12	1.014	2.48e3	1.06e6	0.245	-2.0	0.936	MM
2	201125K1_2	1.00	0.89	NO	49.10	1.014	1.10e4	1.25e6	0.924	-7.6	0.882	db
3	201125K1_3	2.50	0.88	NO	49.10	1.014	2.98e4	1.40e6	2.23	-10.9	0.851	db
4	201125K1_4	50.0	0.89	NO	49.10	1.014	6.85e5	1.26e6	56.7	13.4	1.08	db
5	201125K1_5	400	0.91	NO	49.12	1.014	5.77e6	1.41e6	429	7.3	1.02	db
6	201125K1_6	1000	0.90	NO	49.12	1.014	1.46e7	1.54e6	997	-0.3	0.952	db

**Compound name: PCB-197**

Response Factor: 0.963848  
 RRF SD: 0.0913517, Relative SD: 9.47782  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.89	NO	49.42	1.020	2.79e3	1.06e6	0.272	9.0	1.05	MM
2	201125K1_2	1.00	0.92	NO	49.42	1.021	1.10e4	1.25e6	0.913	-8.7	0.880	bb
3	201125K1_3	2.50	0.93	NO	49.42	1.021	3.03e4	1.40e6	2.25	-10.1	0.867	bb
4	201125K1_4	50.0	0.90	NO	49.42	1.021	6.87e5	1.26e6	56.4	12.7	1.09	bb
5	201125K1_5	400	0.89	NO	49.42	1.020	5.54e6	1.41e6	408	2.0	0.983	bb
6	201125K1_6	1000	0.89	NO	49.44	1.021	1.41e7	1.54e6	951	-4.9	0.916	bb

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**Compound name: PCB-200**

Response Factor: 0.911134  
 RRF SD: 0.0870136, Relative SD: 9.55004  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	50.35	1.039	2.56e3	1.06e6	0.265	6.0	0.966	MM
2	201125K1_2	1.00	0.92	NO	50.35	1.040	1.05e4	1.25e6	0.921	-7.9	0.839	bb
3	201125K1_3	2.50	0.95	NO	50.35	1.040	2.84e4	1.40e6	2.23	-11.0	0.811	bb
4	201125K1_4	50.0	0.90	NO	50.35	1.040	6.59e5	1.26e6	57.2	14.4	1.04	bb
5	201125K1_5	400	0.90	NO	50.37	1.040	5.29e6	1.41e6	412	3.1	0.940	bb
6	201125K1_6	1000	0.90	NO	50.37	1.040	1.34e7	1.54e6	954	-4.6	0.870	bb

**Compound name: PCB-198**

Response Factor: 0.695612  
 RRF SD: 0.0481991, Relative SD: 6.92902  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.77	NO	51.92	1.072	1.84e3	1.06e6	0.249	-0.4	0.693	MM
2	201125K1_2	1.00	0.95	NO	51.91	1.072	8.40e3	1.25e6	0.970	-3.0	0.675	bd
3	201125K1_3	2.50	0.93	NO	51.91	1.072	2.18e4	1.40e6	2.24	-10.5	0.622	bd
4	201125K1_4	50.0	0.90	NO	51.91	1.072	4.85e5	1.26e6	55.1	10.1	0.766	bd
5	201125K1_5	400	0.89	NO	51.91	1.072	4.08e6	1.41e6	416	4.1	0.724	MM
6	201125K1_6	1000	0.89	NO	51.92	1.072	1.06e7	1.54e6	997	-0.3	0.693	bd

**Compound name: PCB-199**

Response Factor: 0.70586  
 RRF SD: 0.0741888, Relative SD: 10.5104  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.93	NO	52.04	1.074	2.05e3	1.06e6	0.274	9.5	0.773	MM
2	201125K1_2	1.00	0.77	NO	52.04	1.075	8.18e3	1.25e6	0.930	-7.0	0.656	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-199**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	0.93	NO	52.04	1.075	2.05e4	1.40e6	2.08	-16.8	0.587	db
4	201125K1_4	50.0	0.91	NO	52.04	1.075	4.89e5	1.26e6	54.8	9.7	0.774	db
5	201125K1_5	400	0.90	NO	52.04	1.074	4.21e6	1.41e6	424	6.0	0.748	MM
6	201125K1_6	1000	0.90	NO	52.06	1.075	1.07e7	1.54e6	987	-1.3	0.696	db

**Compound name: PCB-196/203**

Response Factor: 0.754338  
 RRF SD: 0.0732794, Relative SD: 9.7144  
 Response type: Internal Std ( Ref 208 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.500	0.99	NO	52.34	1.081	4.37e3	1.06e6	0.546	9.1	0.823	MM
2	201125K1_2	2.00	0.84	NO	52.34	1.081	1.69e4	1.25e6	1.80	-10.1	0.678	bb
3	201125K1_3	5.00	0.89	NO	52.34	1.081	4.54e4	1.40e6	4.30	-14.1	0.648	bb
4	201125K1_4	100	0.91	NO	52.34	1.081	1.02e6	1.26e6	107	7.4	0.810	bb
5	201125K1_5	800	0.90	NO	52.34	1.081	8.94e6	1.41e6	841	5.2	0.793	bb
6	201125K1_6	2000	0.90	NO	52.36	1.081	2.37e7	1.54e6	2050	2.5	0.773	bb

**Compound name: PCB-195**

Response Factor: 0.957294  
 RRF SD: 0.0838878, Relative SD: 8.76301  
 Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.89	NO	53.63	0.983	2.28e3	9.79e5	0.243	-2.7	0.932	MM
2	201125K1_2	1.00	0.89	NO	53.62	0.983	1.01e4	1.16e6	0.912	-8.8	0.873	bb
3	201125K1_3	2.50	0.87	NO	53.63	0.983	2.88e4	1.21e6	2.49	-0.6	0.952	bd
4	201125K1_4	50.0	0.89	NO	53.62	0.983	6.22e5	1.11e6	58.3	16.6	1.12	bd
5	201125K1_5	400	0.90	NO	53.62	0.983	4.91e6	1.28e6	402	0.4	0.961	bd
6	201125K1_6	1000	0.89	NO	53.63	0.983	1.23e7	1.35e6	951	-4.9	0.911	bd

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-194**

Response Factor: 1.06072

RRF SD: 0.126126, Relative SD: 11.8905

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.94	NO	54.55	1.000	3.08e3	9.79e5	0.296	18.5	1.26	MM
2	201125K1_2	1.00	0.88	NO	54.52	1.000	1.13e4	1.16e6	0.918	-8.2	0.974	bb
3	201125K1_3	2.50	0.89	NO	54.55	1.000	2.83e4	1.21e6	2.20	-12.0	0.934	bb
4	201125K1_4	50.0	0.89	NO	54.55	1.000	6.50e5	1.11e6	55.0	10.0	1.17	bb
5	201125K1_5	400	0.92	NO	54.54	1.000	5.38e6	1.28e6	397	-0.8	1.05	bb
6	201125K1_6	1000	0.91	NO	54.57	1.000	1.32e7	1.35e6	925	-7.5	0.982	bb

**Compound name: PCB-205**

Response Factor: 1.2691

RRF SD: 0.10753, Relative SD: 8.47293

Response type: Internal Std ( Ref 209 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	0.98	NO	54.83	1.005	3.27e3	9.79e5	0.263	5.2	1.34	MM
2	201125K1_2	1.00	0.88	NO	54.80	1.005	1.38e4	1.16e6	0.934	-6.6	1.19	bb
3	201125K1_3	2.50	0.88	NO	54.81	1.005	3.42e4	1.21e6	2.22	-11.0	1.13	bb
4	201125K1_4	50.0	0.90	NO	54.81	1.005	7.92e5	1.11e6	56.0	12.0	1.42	bb
5	201125K1_5	400	0.89	NO	54.80	1.005	6.72e6	1.28e6	414	3.6	1.32	bb
6	201125K1_6	1000	0.90	NO	54.83	1.005	1.66e7	1.35e6	968	-3.2	1.23	bb

**Compound name: PCB-208**

Response Factor: 0.860576

RRF SD: 0.0737664, Relative SD: 8.57175

Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.49	NO	53.79	1.000	2.49e3	1.14e6	0.253	1.2	0.871	MM
2	201125K1_2	1.00	1.32	NO	53.78	1.000	1.14e4	1.39e6	0.956	-4.4	0.823	bb

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**Compound name: PCB-208**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	2.50	1.37	NO	53.78	1.000	3.03e4	1.58e6	2.22	-11.1	0.765	bb
4	201125K1_4	50.0	1.37	NO	53.78	1.000	6.69e5	1.37e6	56.8	13.7	0.978	bb
5	201125K1_5	400	1.36	NO	53.78	1.000	5.48e6	1.52e6	418	4.5	0.899	bb
6	201125K1_6	1000	1.36	NO	53.79	1.000	1.36e7	1.64e6	961	-3.9	0.827	bb

**Compound name: PCB-207**

Response Factor: 0.849344

RRF SD: 0.101202, Relative SD: 11.9153

Response type: Internal Std ( Ref 210 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.29	NO	54.13	1.007	2.65e3	1.14e6	0.273	9.0	0.926	MM
2	201125K1_2	1.00	1.40	NO	54.10	1.006	1.05e4	1.39e6	0.891	-10.9	0.757	bb
3	201125K1_3	2.50	1.34	NO	54.11	1.007	2.82e4	1.58e6	2.10	-16.1	0.712	bb
4	201125K1_4	50.0	1.36	NO	54.11	1.007	6.64e5	1.37e6	57.1	14.3	0.971	bb
5	201125K1_5	400	1.36	NO	54.10	1.006	5.50e6	1.52e6	425	6.3	0.903	bb
6	201125K1_6	1000	1.36	NO	54.13	1.007	1.36e7	1.64e6	974	-2.6	0.828	bb

**Compound name: PCB-206**

Response Factor: 0.95136

RRF SD: 0.10274, Relative SD: 10.7993

Response type: Internal Std ( Ref 211 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.33	NO	56.09	1.000	2.46e3	9.01e5	0.287	14.7	1.09	MM
2	201125K1_2	1.00	1.34	NO	56.07	1.000	8.43e3	9.86e5	0.898	-10.2	0.855	bb
3	201125K1_3	2.50	1.35	NO	56.09	1.000	2.24e4	1.06e6	2.23	-10.8	0.849	bb
4	201125K1_4	50.0	1.35	NO	56.07	1.000	5.21e5	9.90e5	55.3	10.7	1.05	bb
5	201125K1_5	400	1.37	NO	56.07	1.000	4.31e6	1.12e6	405	1.2	0.963	bb
6	201125K1_6	1000	1.34	NO	56.13	1.000	1.04e7	1.16e6	943	-5.7	0.897	bb

Dataset: U:\WG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: PCB-209**

Response Factor: 0.862661  
 RRF SD: 0.0997366, Relative SD: 11.5615  
 Response type: Internal Std ( Ref 212 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	0.250	1.15	NO	57.33	1.000	2.55e3	1.01e6	0.292	16.7	1.01	MM
2	201125K1_2	1.00	1.26	NO	57.33	1.000	8.49e3	1.12e6	0.882	-11.8	0.761	bb
3	201125K1_3	2.50	1.22	NO	57.36	1.000	2.47e4	1.29e6	2.22	-11.1	0.767	bb
4	201125K1_4	50.0	1.17	NO	57.33	1.000	5.46e5	1.16e6	54.7	9.5	0.945	bb
5	201125K1_5	400	1.20	NO	57.32	1.000	4.42e6	1.25e6	409	2.3	0.882	bb
6	201125K1_6	1000	1.18	NO	57.35	1.000	1.15e7	1.41e6	945	-5.5	0.815	bb

**Compound name: 13C-PCB-1**

Response Factor: 0.937053  
 RRF SD: 0.0505934, Relative SD: 5.39921  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	3.20	NO	15.42	0.608	2.97e6	3.24e6	97.8	-2.2	0.916	bb
2	201125K1_2	100	3.19	NO	15.42	0.608	3.25e6	3.50e6	99.0	-1.0	0.928	bb
3	201125K1_3	100	3.27	NO	15.42	0.608	3.65e6	3.65e6	107	6.8	1.00	bb
4	201125K1_4	100	3.21	NO	15.42	0.608	3.34e6	3.44e6	104	3.8	0.973	bb
5	201125K1_5	100	3.22	NO	15.41	0.607	3.47e6	3.65e6	101	1.3	0.950	bb
6	201125K1_6	100	3.18	NO	15.44	0.608	3.27e6	3.83e6	91.3	-8.7	0.855	bb

**Compound name: 13C-PCB-3**

Response Factor: 0.933629  
 RRF SD: 0.0366464, Relative SD: 3.92516  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	3.19	NO	18.04	0.711	2.95e6	3.24e6	97.5	-2.5	0.911	bb
2	201125K1_2	100	3.15	NO	18.04	0.711	3.20e6	3.50e6	97.8	-2.2	0.913	bb



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**Compound name: 13C-PCB-3**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	3.17	NO	18.04	0.711	3.59e6	3.65e6	106	5.6	0.986	bb
4	201125K1_4	100	3.20	NO	18.04	0.711	3.30e6	3.44e6	103	2.8	0.959	bb
5	201125K1_5	100	3.16	NO	18.04	0.711	3.46e6	3.65e6	101	1.4	0.947	bb
6	201125K1_6	100	3.15	NO	18.07	0.711	3.39e6	3.83e6	95.0	-5.0	0.887	bb

**Compound name: 13C-PCB-4**

Response Factor: 0.599302  
 RRF SD: 0.0221993, Relative SD: 3.7042  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.61	NO	19.40	0.765	1.93e6	3.24e6	99.6	-0.4	0.597	bb
2	201125K1_2	100	1.61	NO	19.40	0.765	2.09e6	3.50e6	99.4	-0.6	0.596	bb
3	201125K1_3	100	1.61	NO	19.40	0.765	2.30e6	3.65e6	105	5.3	0.631	bb
4	201125K1_4	100	1.59	NO	19.40	0.765	2.10e6	3.44e6	102	1.8	0.610	bb
5	201125K1_5	100	1.60	NO	19.39	0.764	2.19e6	3.65e6	100	0.1	0.600	bb
6	201125K1_6	100	1.63	NO	19.42	0.765	2.15e6	3.83e6	93.9	-6.1	0.563	bb

**Compound name: 13C-PCB-9**

Response Factor: 0.959668  
 RRF SD: 0.0341837, Relative SD: 3.56204  
 Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.59	NO	21.21	0.836	3.09e6	3.24e6	99.4	-0.6	0.954	bb
2	201125K1_2	100	1.58	NO	21.21	0.836	3.35e6	3.50e6	99.6	-0.4	0.956	bb
3	201125K1_3	100	1.58	NO	21.21	0.836	3.70e6	3.65e6	106	5.9	1.02	bb
4	201125K1_4	100	1.59	NO	21.21	0.836	3.30e6	3.44e6	100	0.1	0.960	bb
5	201125K1_5	100	1.58	NO	21.20	0.836	3.52e6	3.65e6	100	0.4	0.963	bb
6	201125K1_6	100	1.59	NO	21.23	0.836	3.48e6	3.83e6	94.7	-5.3	0.908	bb

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**Compound name: 13C-PCB-11**

Response Factor: 0.92918

RRF SD: 0.0274692, Relative SD: 2.95629

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.59	NO	24.66	0.972	2.98e6	3.24e6	99.2	-0.8	0.921	bb
2 201125K1_2	100	1.59	NO	24.65	0.971	3.27e6	3.50e6	100	0.3	0.932	bb
3 201125K1_3	100	1.59	NO	24.65	0.971	3.57e6	3.65e6	105	5.4	0.979	bb
4 201125K1_4	100	1.57	NO	24.66	0.972	3.17e6	3.44e6	99.1	-0.9	0.921	bb
5 201125K1_5	100	1.60	NO	24.65	0.971	3.38e6	3.65e6	99.5	-0.5	0.925	bb
6 201125K1_6	100	1.57	NO	24.67	0.972	3.43e6	3.83e6	96.4	-3.6	0.896	bb

**Compound name: 13C-PCB-19**

Response Factor: 0.506448

RRF SD: 0.0212462, Relative SD: 4.19513

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.05	NO	23.62	0.931	1.59e6	3.24e6	97.0	-3.0	0.491	bb
2 201125K1_2	100	1.04	NO	23.61	0.930	1.76e6	3.50e6	99.4	-0.6	0.504	bb
3 201125K1_3	100	1.04	NO	23.62	0.931	1.98e6	3.65e6	107	7.0	0.542	bb
4 201125K1_4	100	1.03	NO	23.62	0.931	1.75e6	3.44e6	101	0.8	0.510	bb
5 201125K1_5	100	1.04	NO	23.62	0.931	1.87e6	3.65e6	101	1.0	0.512	bb
6 201125K1_6	100	1.05	NO	23.63	0.930	1.84e6	3.83e6	94.7	-5.3	0.480	bb

**Compound name: 13C-PCB-32**

Response Factor: 0.737965

RRF SD: 0.0285725, Relative SD: 3.8718

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.05	NO	26.61	1.049	2.30e6	3.24e6	96.2	-3.8	0.710	bb
2 201125K1_2	100	1.05	NO	26.60	1.048	2.54e6	3.50e6	98.4	-1.6	0.726	bb

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	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.04	NO	26.60	1.048	2.88e6	3.65e6	107	6.9	0.789	bb
4	201125K1_4	100	1.05	NO	26.60	1.048	2.56e6	3.44e6	101	0.8	0.744	bb
5	201125K1_5	100	1.05	NO	26.60	1.048	2.71e6	3.65e6	101	0.7	0.743	bb
6	201125K1_6	100	1.05	NO	26.62	1.048	2.74e6	3.83e6	96.9	-3.1	0.715	bb

**Compound name: 13C-PCB-28**

Response Factor: 1.05953

RRF SD: 0.0309293, Relative SD: 2.91916

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.05	NO	28.61	1.004	2.83e6	2.59e6	103	3.2	1.09	db
2	201125K1_2	100	1.05	NO	28.61	1.004	3.00e6	2.97e6	95.5	-4.5	1.01	db
3	201125K1_3	100	1.03	NO	28.61	1.004	3.35e6	3.08e6	103	2.6	1.09	db
4	201125K1_4	100	1.05	NO	28.61	1.004	2.99e6	2.82e6	100	0.1	1.06	db
5	201125K1_5	100	1.04	NO	28.61	1.004	3.18e6	2.98e6	101	0.7	1.07	db
6	201125K1_6	100	1.06	NO	28.63	1.004	3.23e6	3.12e6	97.8	-2.2	1.04	db

**Compound name: 13C-PCB-37**

Response Factor: 0.978788

RRF SD: 0.0260808, Relative SD: 2.6646

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.04	NO	32.61	1.144	2.52e6	2.59e6	99.4	-0.6	0.973	bb
2	201125K1_2	100	1.04	NO	32.60	1.144	2.78e6	2.97e6	95.7	-4.3	0.936	bb
3	201125K1_3	100	1.05	NO	32.59	1.144	3.12e6	3.08e6	103	3.5	1.01	bb
4	201125K1_4	100	1.07	NO	32.59	1.144	2.75e6	2.82e6	99.7	-0.3	0.976	bb
5	201125K1_5	100	1.06	NO	32.59	1.144	2.98e6	2.98e6	102	2.1	0.999	bb
6	201125K1_6	100	1.05	NO	32.61	1.144	3.04e6	3.12e6	99.6	-0.4	0.975	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-54**

Response Factor: 0.98117

RRF SD: 0.061457, Relative SD: 6.26365

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	27.46	0.752	1.95e6	2.00e6	99.1	-0.9	0.973	bb
2	201125K1_2	100	0.79	NO	27.46	0.752	2.18e6	2.22e6	100	0.3	0.984	bb
3	201125K1_3	100	0.79	NO	27.46	0.752	2.44e6	2.24e6	111	11.0	1.09	bb
4	201125K1_4	100	0.79	NO	27.46	0.752	2.18e6	2.23e6	99.3	-0.7	0.975	bb
5	201125K1_5	100	0.79	NO	27.46	0.752	2.30e6	2.37e6	98.7	-1.3	0.968	bb
6	201125K1_6	100	0.81	NO	27.48	0.752	2.31e6	2.58e6	91.5	-8.5	0.898	bb

**Compound name: 13C-PCB-52**

Response Factor: 0.786428

RRF SD: 0.0515253, Relative SD: 6.55181

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	31.11	0.852	1.56e6	2.00e6	99.0	-1.0	0.779	bb
2	201125K1_2	100	0.77	NO	31.11	0.852	1.74e6	2.22e6	100	-0.0	0.786	bd
3	201125K1_3	100	0.76	NO	31.11	0.852	1.97e6	2.24e6	112	11.8	0.879	bb
4	201125K1_4	100	0.81	NO	31.11	0.852	1.75e6	2.23e6	99.9	-0.1	0.786	bd
5	201125K1_5	100	0.78	NO	31.11	0.852	1.82e6	2.37e6	97.6	-2.4	0.767	bb
6	201125K1_6	100	0.79	NO	31.12	0.852	1.86e6	2.58e6	91.7	-8.3	0.721	bd

**Compound name: 13C-PCB-47**

Response Factor: 0.832807

RRF SD: 0.0425999, Relative SD: 5.11522

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.80	NO	31.63	0.866	1.64e6	2.00e6	98.2	-1.8	0.818	bb
2	201125K1_2	100	0.78	NO	31.61	0.865	1.86e6	2.22e6	101	0.7	0.838	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-47**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.80	NO	31.61	0.865	2.04e6	2.24e6	109	9.3	0.910	bb
4	201125K1_4	100	0.78	NO	31.63	0.866	1.85e6	2.23e6	99.7	-0.3	0.830	bb
5	201125K1_5	100	0.78	NO	31.63	0.866	1.94e6	2.37e6	98.4	-1.6	0.819	bb
6	201125K1_6	100	0.78	NO	31.65	0.866	2.01e6	2.58e6	93.8	-6.2	0.781	bb

**Compound name: 13C-PCB-70**

Response Factor: 0.981197  
 RRF SD: 0.05236, Relative SD: 5.33634  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.78	NO	35.26	0.965	1.92e6	2.00e6	97.6	-2.4	0.958	bb
2	201125K1_2	100	0.81	NO	35.24	0.965	2.14e6	2.22e6	98.6	-1.4	0.967	bb
3	201125K1_3	100	0.80	NO	35.24	0.965	2.43e6	2.24e6	111	10.6	1.08	bb
4	201125K1_4	100	0.79	NO	35.24	0.965	2.17e6	2.23e6	99.2	-0.8	0.973	bb
5	201125K1_5	100	0.80	NO	35.26	0.965	2.30e6	2.37e6	98.6	-1.4	0.967	bb
6	201125K1_6	100	0.81	NO	35.26	0.965	2.41e6	2.58e6	95.5	-4.5	0.937	bb

**Compound name: 13C-PCB-80**

Response Factor: 1.01385  
 RRF SD: 0.038379, Relative SD: 3.78548  
 Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	35.68	0.977	1.97e6	2.00e6	97.2	-2.8	0.985	bb
2	201125K1_2	100	0.79	NO	35.68	0.977	2.19e6	2.22e6	97.6	-2.4	0.990	bb
3	201125K1_3	100	0.81	NO	35.68	0.977	2.43e6	2.24e6	107	7.3	1.09	bb
4	201125K1_4	100	0.80	NO	35.68	0.977	2.26e6	2.23e6	99.7	-0.3	1.01	bb
5	201125K1_5	100	0.80	NO	35.68	0.977	2.42e6	2.37e6	100	0.4	1.02	bb
6	201125K1_6	100	0.79	NO	35.70	0.977	2.55e6	2.58e6	97.7	-2.3	0.991	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-81**

Response Factor: 0.994918

RRF SD: 0.0342779, Relative SD: 3.4453

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	38.88	1.065	1.93e6	2.00e6	96.6	-3.4	0.961	dd
2	201125K1_2	100	0.78	NO	38.88	1.065	2.18e6	2.22e6	98.9	-1.1	0.984	bb
3	201125K1_3	100	0.78	NO	38.88	1.065	2.37e6	2.24e6	107	6.6	1.06	bb
4	201125K1_4	100	0.78	NO	38.88	1.065	2.18e6	2.23e6	98.4	-1.6	0.979	bd
5	201125K1_5	100	0.81	NO	38.88	1.065	2.34e6	2.37e6	99.0	-1.0	0.985	bd
6	201125K1_6	100	0.80	NO	38.90	1.065	2.57e6	2.58e6	100	0.5	1.00	bd

**Compound name: 13C-PCB-77**

Response Factor: 0.976833

RRF SD: 0.0413891, Relative SD: 4.23707

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	39.50	1.082	1.87e6	2.00e6	95.6	-4.4	0.934	bb
2	201125K1_2	100	0.78	NO	39.50	1.082	2.12e6	2.22e6	97.9	-2.1	0.957	bb
3	201125K1_3	100	0.78	NO	39.50	1.082	2.33e6	2.24e6	106	6.4	1.04	bb
4	201125K1_4	100	0.80	NO	39.50	1.082	2.09e6	2.23e6	96.0	-4.0	0.937	bb
5	201125K1_5	100	0.79	NO	39.50	1.082	2.36e6	2.37e6	102	1.7	0.994	bb
6	201125K1_6	100	0.80	NO	39.52	1.082	2.58e6	2.58e6	102	2.4	1.00	bb

**Compound name: 13C-PCB-104**

Response Factor: 1.00439

RRF SD: 0.0835399, Relative SD: 8.3175

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.58	NO	32.30	0.826	1.54e6	1.54e6	100	0.1	1.00	bb
2	201125K1_2	100	1.61	NO	32.30	0.826	1.79e6	1.70e6	105	4.8	1.05	bb

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**Compound name: 13C-PCB-104**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.58	NO	32.28	0.826	1.98e6	1.78e6	110	10.5	1.11	bb
4	201125K1_4	100	1.59	NO	32.30	0.826	1.80e6	1.74e6	103	3.3	1.04	bb
5	201125K1_5	100	1.59	NO	32.30	0.826	1.87e6	1.97e6	94.5	-5.5	0.950	bb
6	201125K1_6	100	1.57	NO	32.31	0.826	1.89e6	2.16e6	86.9	-13.1	0.872	bb

**Compound name: 13C-PCB-95**

Response Factor: 0.779195  
 RRF SD: 0.0426369, Relative SD: 5.47192  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.60	NO	35.55	0.909	1.18e6	1.54e6	98.9	-1.1	0.771	bb
2	201125K1_2	100	1.59	NO	35.55	0.910	1.35e6	1.70e6	102	2.3	0.797	bb
3	201125K1_3	100	1.60	NO	35.55	0.910	1.50e6	1.78e6	108	7.7	0.839	bb
4	201125K1_4	100	1.58	NO	35.55	0.910	1.39e6	1.74e6	102	2.4	0.798	bb
5	201125K1_5	100	1.58	NO	35.55	0.910	1.49e6	1.97e6	97.2	-2.8	0.757	bb
6	201125K1_6	100	1.61	NO	35.57	0.910	1.54e6	2.16e6	91.6	-8.4	0.714	bb

**Compound name: 13C-PCB-101**

Response Factor: 0.83281  
 RRF SD: 0.0388395, Relative SD: 4.66367  
 Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.61	NO	37.30	0.954	1.26e6	1.54e6	98.8	-1.2	0.823	bb
2	201125K1_2	100	1.60	NO	37.30	0.954	1.46e6	1.70e6	103	3.1	0.858	bb
3	201125K1_3	100	1.60	NO	37.30	0.954	1.59e6	1.78e6	107	6.9	0.890	bb
4	201125K1_4	100	1.61	NO	37.30	0.954	1.46e6	1.74e6	101	0.7	0.838	bb
5	201125K1_5	100	1.59	NO	37.30	0.954	1.59e6	1.97e6	97.1	-2.9	0.809	bb
6	201125K1_6	100	1.60	NO	37.32	0.954	1.69e6	2.16e6	93.5	-6.5	0.779	bb

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**Compound name: 13C-PCB-97**

Response Factor: 0.679085

RRF SD: 0.0315288, Relative SD: 4.64284

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.62	NO	38.64	0.988	1.02e6	1.54e6	98.0	-2.0	0.665	bb
2 201125K1_2	100	1.61	NO	38.64	0.989	1.20e6	1.70e6	104	3.6	0.704	bb
3 201125K1_3	100	1.67	NO	38.64	0.989	1.30e6	1.78e6	107	7.0	0.727	bb
4 201125K1_4	100	1.59	NO	38.64	0.989	1.18e6	1.74e6	99.6	-0.4	0.676	bb
5 201125K1_5	100	1.60	NO	38.64	0.989	1.31e6	1.97e6	97.9	-2.1	0.665	bb
6 201125K1_6	100	1.61	NO	38.66	0.989	1.38e6	2.16e6	94.0	-6.0	0.638	bb

**Compound name: 13C-PCB-123**

Response Factor: 0.970059

RRF SD: 0.0431045, Relative SD: 4.44349

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.59	NO	41.30	1.056	1.49e6	1.54e6	99.9	-0.1	0.969	bd
2 201125K1_2	100	1.63	NO	41.28	1.056	1.73e6	1.70e6	105	4.9	1.02	dd
3 201125K1_3	100	1.57	NO	41.28	1.056	1.81e6	1.78e6	105	4.8	1.02	dd
4 201125K1_4	100	1.60	NO	41.28	1.056	1.69e6	1.74e6	100	0.5	0.975	bd
5 201125K1_5	100	1.60	NO	41.28	1.056	1.83e6	1.97e6	95.9	-4.1	0.930	bd
6 201125K1_6	100	1.55	NO	41.30	1.056	1.98e6	2.16e6	94.1	-5.9	0.913	bd

**Compound name: 13C-PCB-118**

Response Factor: 1.00101

RRF SD: 0.0258967, Relative SD: 2.58705

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.61	NO	41.49	1.061	1.47e6	1.54e6	95.6	-4.4	0.957	db
2 201125K1_2	100	1.61	NO	41.47	1.061	1.72e6	1.70e6	101	1.2	1.01	db



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**Compound name: 13C-PCB-118**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.57	NO	41.47	1.061	1.84e6	1.78e6	103	3.1	1.03	db
4	201125K1_4	100	1.61	NO	41.47	1.061	1.72e6	1.74e6	98.7	-1.3	0.988	db
5	201125K1_5	100	1.57	NO	41.47	1.061	1.98e6	1.97e6	100	0.4	1.00	db
6	201125K1_6	100	1.60	NO	41.49	1.061	2.19e6	2.16e6	101	1.1	1.01	db

**Compound name: 13C-PCB-114**

Response Factor: 1.54758  
 RRF SD: 0.0382101, Relative SD: 2.46903  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.58	NO	42.17	0.908	1.68e6	1.09e6	99.9	-0.1	1.55	bb
2	201125K1_2	100	1.59	NO	42.15	0.907	1.94e6	1.26e6	99.3	-0.7	1.54	bb
3	201125K1_3	100	1.58	NO	42.15	0.907	2.05e6	1.27e6	105	4.7	1.62	bb
4	201125K1_4	100	1.61	NO	42.15	0.907	1.86e6	1.23e6	97.3	-2.7	1.51	bd
5	201125K1_5	100	1.58	NO	42.15	0.907	2.05e6	1.34e6	99.3	-0.7	1.54	bb
6	201125K1_6	100	1.57	NO	42.17	0.908	2.23e6	1.45e6	99.6	-0.4	1.54	bb

**Compound name: 13C-PCB-105**

Response Factor: 1.59216  
 RRF SD: 0.0573023, Relative SD: 3.59902  
 Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.59	NO	43.06	0.927	1.79e6	1.09e6	103	3.3	1.65	bb
2	201125K1_2	100	1.60	NO	43.04	0.927	1.95e6	1.26e6	97.1	-2.9	1.55	dd
3	201125K1_3	100	1.61	NO	43.04	0.927	2.12e6	1.27e6	105	5.2	1.67	bd
4	201125K1_4	100	1.55	NO	43.04	0.927	1.88e6	1.23e6	95.9	-4.1	1.53	bd
5	201125K1_5	100	1.63	NO	43.04	0.927	2.10e6	1.34e6	98.7	-1.3	1.57	bd
6	201125K1_6	100	1.58	NO	43.06	0.927	2.30e6	1.45e6	99.9	-0.1	1.59	bd

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**Compound name: 13C-PCB-127**

Response Factor: 1.65806

RRF SD: 0.0569631, Relative SD: 3.43554

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.59	NO	43.40	0.934	1.85e6	1.09e6	103	2.9	1.71	bb
2	201125K1_2	100	1.58	NO	43.40	0.934	2.02e6	1.26e6	96.5	-3.5	1.60	db
3	201125K1_3	100	1.60	NO	43.40	0.934	2.21e6	1.27e6	105	5.3	1.75	db
4	201125K1_4	100	1.59	NO	43.40	0.934	2.04e6	1.23e6	99.5	-0.5	1.65	bb
5	201125K1_5	100	1.59	NO	43.40	0.934	2.18e6	1.34e6	98.4	-1.6	1.63	bb
6	201125K1_6	100	1.57	NO	43.42	0.934	2.33e6	1.45e6	97.3	-2.7	1.61	db

**Compound name: 13C-PCB-126**

Response Factor: 1.64515

RRF SD: 0.113562, Relative SD: 6.90284

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.57	NO	45.37	0.977	1.64e6	1.09e6	91.5	-8.5	1.51	bb
2	201125K1_2	100	1.57	NO	45.35	0.976	2.19e6	1.26e6	105	5.3	1.73	bb
3	201125K1_3	100	1.59	NO	45.35	0.976	2.30e6	1.27e6	110	10.0	1.81	bb
4	201125K1_4	100	1.56	NO	45.35	0.976	2.06e6	1.23e6	102	1.6	1.67	bb
5	201125K1_5	100	1.59	NO	45.35	0.976	2.10e6	1.34e6	95.6	-4.4	1.57	bb
6	201125K1_6	100	1.57	NO	45.37	0.976	2.28e6	1.45e6	96.0	-4.0	1.58	bb

**Compound name: 13C-PCB-155**

Response Factor: 0.819205

RRF SD: 0.0583422, Relative SD: 7.12181

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.33	NO	36.84	0.942	1.22e6	1.54e6	97.3	-2.7	0.797	bd
2	201125K1_2	100	1.30	NO	36.82	0.942	1.44e6	1.70e6	103	3.1	0.845	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-155**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.28	NO	36.82	0.942	1.61e6	1.78e6	110	10.4	0.905	bb
4	201125K1_4	100	1.26	NO	36.82	0.942	1.47e6	1.74e6	103	3.1	0.844	bb
5	201125K1_5	100	1.26	NO	36.82	0.942	1.55e6	1.97e6	96.2	-3.8	0.788	bb
6	201125K1_6	100	1.26	NO	36.84	0.942	1.59e6	2.16e6	89.8	-10.2	0.736	bb

**Compound name: 13C-PCB-153**

Response Factor: 1.3128

RRF SD: 0.0601607, Relative SD: 4.58262

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.25	NO	43.23	0.931	1.49e6	1.09e6	104	4.4	1.37	bb
2	201125K1_2	100	1.26	NO	43.21	0.930	1.61e6	1.26e6	97.4	-2.6	1.28	bb
3	201125K1_3	100	1.24	NO	43.21	0.930	1.77e6	1.27e6	106	6.1	1.39	bb
4	201125K1_4	100	1.26	NO	43.21	0.930	1.60e6	1.23e6	98.7	-1.3	1.30	bb
5	201125K1_5	100	1.25	NO	43.21	0.930	1.75e6	1.34e6	99.7	-0.3	1.31	bb
6	201125K1_6	100	1.24	NO	43.23	0.930	1.78e6	1.45e6	93.7	-6.3	1.23	bb

**Compound name: 13C-PCB-141**

Response Factor: 1.08374

RRF SD: 0.0488281, Relative SD: 4.50553

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.27	NO	43.99	0.947	1.18e6	1.09e6	100	0.4	1.09	bb
2	201125K1_2	100	1.25	NO	43.97	0.947	1.35e6	1.26e6	98.6	-1.4	1.07	bb
3	201125K1_3	100	1.30	NO	43.97	0.947	1.47e6	1.27e6	107	7.2	1.16	bb
4	201125K1_4	100	1.24	NO	43.97	0.947	1.36e6	1.23e6	102	1.8	1.10	bb
5	201125K1_5	100	1.25	NO	43.99	0.947	1.43e6	1.34e6	98.4	-1.6	1.07	bb
6	201125K1_6	100	1.24	NO	43.99	0.947	1.47e6	1.45e6	93.6	-6.4	1.01	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-138**

Response Factor: 1.15246

RRF SD: 0.0246767, Relative SD: 2.14121

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.26	NO	44.86	0.966	1.23e6	1.09e6	98.5	-1.5	1.14	bb
2	201125K1_2	100	1.26	NO	44.84	0.965	1.45e6	1.26e6	99.8	-0.2	1.15	bb
3	201125K1_3	100	1.24	NO	44.84	0.965	1.52e6	1.27e6	104	3.7	1.20	bb
4	201125K1_4	100	1.25	NO	44.84	0.965	1.41e6	1.23e6	99.0	-1.0	1.14	bb
5	201125K1_5	100	1.25	NO	44.84	0.965	1.56e6	1.34e6	101	1.2	1.17	bb
6	201125K1_6	100	1.26	NO	44.86	0.965	1.63e6	1.45e6	97.9	-2.1	1.13	bb

**Compound name: 13C-PCB-159**

Response Factor: 1.39384

RRF SD: 0.0504761, Relative SD: 3.62136

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.25	NO	46.18	0.994	1.44e6	1.09e6	95.2	-4.8	1.33	bd
2	201125K1_2	100	1.27	NO	46.17	0.994	1.77e6	1.26e6	101	0.8	1.40	bd
3	201125K1_3	100	1.24	NO	46.17	0.994	1.88e6	1.27e6	106	6.3	1.48	bd
4	201125K1_4	100	1.26	NO	46.17	0.994	1.71e6	1.23e6	99.6	-0.4	1.39	bd
5	201125K1_5	100	1.28	NO	46.18	0.994	1.85e6	1.34e6	99.4	-0.6	1.39	bd
6	201125K1_6	100	1.26	NO	46.18	0.994	1.99e6	1.45e6	98.7	-1.3	1.38	bd

**Compound name: 13C-PCB-167**

Response Factor: 1.4261

RRF SD: 0.0506788, Relative SD: 3.55367

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.26	NO	46.88	1.009	1.49e6	1.09e6	96.2	-3.8	1.37	bb
2	201125K1_2	100	1.25	NO	46.87	1.009	1.80e6	1.26e6	100	0.1	1.43	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-167**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	1.26	NO	46.87	1.009	1.93e6	1.27e6	107	6.6	1.52	bb
4	201125K1_4	100	1.24	NO	46.87	1.009	1.76e6	1.23e6	99.9	-0.1	1.43	bb
5	201125K1_5	100	1.25	NO	46.88	1.009	1.89e6	1.34e6	99.2	-0.8	1.41	bb
6	201125K1_6	100	1.24	NO	46.88	1.009	2.02e6	1.45e6	97.9	-2.1	1.40	bb

**Compound name: 13C-PCB-156**

Response Factor: 1.33903

RRF SD: 0.0482579, Relative SD: 3.60394

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.27	NO	48.21	1.038	1.38e6	1.09e6	94.9	-5.1	1.27	bb
2	201125K1_2	100	1.23	NO	48.21	1.038	1.66e6	1.26e6	98.2	-1.8	1.32	bb
3	201125K1_3	100	1.29	NO	48.21	1.038	1.79e6	1.27e6	106	5.7	1.42	bb
4	201125K1_4	100	1.25	NO	48.19	1.038	1.64e6	1.23e6	99.3	-0.7	1.33	bb
5	201125K1_5	100	1.26	NO	48.21	1.038	1.79e6	1.34e6	100	0.2	1.34	bd
6	201125K1_6	100	1.27	NO	48.23	1.038	1.97e6	1.45e6	102	1.6	1.36	bb

**Compound name: 13C-PCB-157**

Response Factor: 1.35902

RRF SD: 0.050097, Relative SD: 3.68626

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.23	NO	48.50	1.044	1.39e6	1.09e6	94.3	-5.7	1.28	bb
2	201125K1_2	100	1.27	NO	48.48	1.044	1.70e6	1.26e6	98.9	-1.1	1.34	bb
3	201125K1_3	100	1.26	NO	48.48	1.044	1.81e6	1.27e6	105	5.3	1.43	bb
4	201125K1_4	100	1.27	NO	48.48	1.044	1.66e6	1.23e6	98.8	-1.2	1.34	bb
5	201125K1_5	100	1.27	NO	48.50	1.044	1.83e6	1.34e6	101	0.5	1.37	db
6	201125K1_6	100	1.25	NO	48.50	1.044	2.01e6	1.45e6	102	2.2	1.39	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-169**

Response Factor: 1.33191

RRF SD: 0.0409131, Relative SD: 3.07175

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	1.26	NO	50.77	1.093	1.40e6	1.09e6	96.7	-3.3	1.29	bb
2 201125K1_2	100	1.26	NO	50.75	1.093	1.68e6	1.26e6	99.8	-0.2	1.33	bb
3 201125K1_3	100	1.27	NO	50.77	1.093	1.78e6	1.27e6	105	5.5	1.40	bb
4 201125K1_4	100	1.29	NO	50.75	1.093	1.63e6	1.23e6	99.0	-1.0	1.32	bb
5 201125K1_5	100	1.22	NO	50.77	1.093	1.74e6	1.34e6	98.0	-2.0	1.31	bb
6 201125K1_6	100	1.26	NO	50.77	1.093	1.95e6	1.45e6	101	1.1	1.35	bb

**Compound name: 13C-PCB-188**

Response Factor: 1.38996

RRF SD: 0.0377155, Relative SD: 2.71342

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	0.46	NO	42.83	0.925	1.26e6	8.77e5	103	3.0	1.43	bb
2 201125K1_2	100	0.45	NO	42.83	0.926	1.42e6	1.02e6	100	0.4	1.40	bb
3 201125K1_3	100	0.45	NO	42.83	0.926	1.52e6	1.06e6	103	3.0	1.43	bb
4 201125K1_4	100	0.46	NO	42.83	0.925	1.41e6	1.03e6	98.0	-2.0	1.36	bb
5 201125K1_5	100	0.46	NO	42.83	0.925	1.61e6	1.17e6	99.4	-0.6	1.38	bb
6 201125K1_6	100	0.46	NO	42.85	0.926	1.71e6	1.28e6	96.2	-3.8	1.34	bb

**Compound name: 13C-PCB-180**

Response Factor: 0.906631

RRF SD: 0.0351626, Relative SD: 3.87838

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1 201125K1_1	100	0.47	NO	49.54	1.070	8.18e5	8.77e5	103	2.9	0.932	bd
2 201125K1_2	100	0.46	NO	49.54	1.071	9.17e5	1.02e6	99.5	-0.5	0.902	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-180**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.45	NO	49.54	1.071	1.02e6	1.06e6	106	5.8	0.959	bb
4	201125K1_4	100	0.45	NO	49.54	1.070	9.31e5	1.03e6	99.5	-0.5	0.902	bd
5	201125K1_5	100	0.46	NO	49.54	1.070	1.03e6	1.17e6	97.7	-2.3	0.886	bd
6	201125K1_6	100	0.46	NO	49.56	1.071	1.10e6	1.28e6	94.7	-5.3	0.858	bd

**Compound name: 13C-PCB-170**

Response Factor: 0.822577  
 RRF SD: 0.0342242, Relative SD: 4.16061  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	51.21	1.106	7.25e5	8.77e5	100	0.5	0.827	bb
2	201125K1_2	100	0.45	NO	51.21	1.107	8.58e5	1.02e6	103	2.6	0.844	bb
3	201125K1_3	100	0.46	NO	51.21	1.107	9.23e5	1.06e6	106	5.9	0.871	bb
4	201125K1_4	100	0.44	NO	51.21	1.106	8.53e5	1.03e6	100	0.4	0.826	bb
5	201125K1_5	100	0.45	NO	51.21	1.106	9.09e5	1.17e6	94.9	-5.1	0.780	bb
6	201125K1_6	100	0.46	NO	51.22	1.107	1.01e6	1.28e6	95.7	-4.3	0.788	bb

**Compound name: 13C-PCB-189**

Response Factor: 1.07577  
 RRF SD: 0.0329942, Relative SD: 3.06704  
 Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )  
 Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.46	NO	52.91	1.143	9.40e5	8.77e5	99.6	-0.4	1.07	bb
2	201125K1_2	100	0.45	NO	52.91	1.144	1.13e6	1.02e6	104	3.8	1.12	bb
3	201125K1_3	100	0.45	NO	52.91	1.144	1.18e6	1.06e6	104	3.7	1.12	bb
4	201125K1_4	100	0.46	NO	52.91	1.143	1.07e6	1.03e6	96.7	-3.3	1.04	bb
5	201125K1_5	100	0.47	NO	52.91	1.143	1.24e6	1.17e6	98.9	-1.1	1.06	bb
6	201125K1_6	100	0.46	NO	52.93	1.144	1.34e6	1.28e6	97.4	-2.6	1.05	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-202**

Response Factor: 1.23171

RRF SD: 0.0446575, Relative SD: 3.62564

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.91	NO	48.44	1.047	1.06e6	8.77e5	98.3	-1.7	1.21	bb
2	201125K1_2	100	0.95	NO	48.42	1.047	1.25e6	1.02e6	99.5	-0.5	1.23	bb
3	201125K1_3	100	0.91	NO	48.42	1.047	1.40e6	1.06e6	107	7.2	1.32	bb
4	201125K1_4	100	0.90	NO	48.42	1.046	1.26e6	1.03e6	99.5	-0.5	1.22	bb
5	201125K1_5	100	0.90	NO	48.44	1.047	1.41e6	1.17e6	98.1	-1.9	1.21	bb
6	201125K1_6	100	0.93	NO	48.44	1.047	1.54e6	1.28e6	97.4	-2.6	1.20	bb

**Compound name: 13C-PCB-194**

Response Factor: 0.709951

RRF SD: 0.0247228, Relative SD: 3.48232

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.91	NO	54.54	0.995	9.79e5	1.44e6	95.8	-4.2	0.680	bb
2	201125K1_2	100	0.90	NO	54.52	0.995	1.16e6	1.63e6	100	0.3	0.712	bb
3	201125K1_3	100	0.91	NO	54.54	0.995	1.21e6	1.62e6	105	5.2	0.747	bb
4	201125K1_4	100	0.90	NO	54.54	0.995	1.11e6	1.54e6	102	1.8	0.723	bb
5	201125K1_5	100	0.91	NO	54.52	0.995	1.28e6	1.79e6	100	0.3	0.712	bb
6	201125K1_6	100	0.90	NO	54.55	0.995	1.35e6	1.97e6	96.5	-3.5	0.685	bb

**Compound name: 13C-PCB-208**

Response Factor: 0.86538

RRF SD: 0.0626855, Relative SD: 7.24369

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.80	NO	53.78	0.981	1.14e6	1.44e6	91.8	-8.2	0.794	bb
2	201125K1_2	100	0.80	NO	53.76	0.981	1.39e6	1.63e6	98.5	-1.5	0.853	bb



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**Compound name: 13C-PCB-208**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.79	NO	53.76	0.981	1.58e6	1.62e6	113	12.9	0.977	bb
4	201125K1_4	100	0.79	NO	53.76	0.981	1.37e6	1.54e6	103	2.5	0.887	bb
5	201125K1_5	100	0.79	NO	53.76	0.981	1.52e6	1.79e6	98.2	-1.8	0.849	bb
6	201125K1_6	100	0.78	NO	53.78	0.981	1.64e6	1.97e6	96.1	-3.9	0.832	bb

**Compound name: 13C-PCB-206**

Response Factor: 0.62257

RRF SD: 0.0234903, Relative SD: 3.77312

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.79	NO	56.07	1.023	9.01e5	1.44e6	101	0.5	0.626	bb
2	201125K1_2	100	0.80	NO	56.06	1.023	9.86e5	1.63e6	97.3	-2.7	0.606	bb
3	201125K1_3	100	0.77	NO	56.07	1.023	1.06e6	1.62e6	105	4.6	0.651	bd
4	201125K1_4	100	0.78	NO	56.07	1.023	9.90e5	1.54e6	103	3.1	0.642	bb
5	201125K1_5	100	0.79	NO	56.06	1.023	1.12e6	1.79e6	100	0.2	0.624	bb
6	201125K1_6	100	0.80	NO	56.12	1.024	1.16e6	1.97e6	94.3	-5.7	0.587	bb

**Compound name: 13C-PCB-209**

Response Factor: 0.724727

RRF SD: 0.0408528, Relative SD: 5.63699

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.17	NO	57.32	1.046	1.01e6	1.44e6	97.2	-2.8	0.704	bb
2	201125K1_2	100	1.20	NO	57.32	1.046	1.12e6	1.63e6	94.6	-5.4	0.685	bb
3	201125K1_3	100	1.19	NO	57.35	1.046	1.29e6	1.62e6	110	9.7	0.795	bb
4	201125K1_4	100	1.19	NO	57.32	1.046	1.16e6	1.54e6	103	3.4	0.749	bb
5	201125K1_5	100	1.22	NO	57.30	1.046	1.25e6	1.79e6	96.3	-3.7	0.698	bb
6	201125K1_6	100	1.20	NO	57.33	1.046	1.41e6	1.97e6	98.8	-1.2	0.716	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-15**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 213 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.60	NO	25.37	0.000	3.24e6	3.24e6	100	0.0	1.00	bb
2	201125K1_2	100	1.60	NO	25.37	0.000	3.50e6	3.50e6	100	0.0	1.00	bb
3	201125K1_3	100	1.61	NO	25.37	0.000	3.65e6	3.65e6	100	0.0	1.00	bb
4	201125K1_4	100	1.60	NO	25.37	0.000	3.44e6	3.44e6	100	0.0	1.00	bb
5	201125K1_5	100	1.59	NO	25.37	0.000	3.65e6	3.65e6	100	0.0	1.00	bb
6	201125K1_6	100	1.57	NO	25.39	0.000	3.83e6	3.83e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-31**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 214 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.03	NO	28.50	0.000	2.59e6	2.59e6	100	0.0	1.00	bd
2	201125K1_2	100	1.05	NO	28.50	0.000	2.97e6	2.97e6	100	0.0	1.00	bd
3	201125K1_3	100	1.04	NO	28.50	0.000	3.08e6	3.08e6	100	0.0	1.00	bd
4	201125K1_4	100	1.05	NO	28.50	0.000	2.82e6	2.82e6	100	0.0	1.00	bd
5	201125K1_5	100	1.03	NO	28.50	0.000	2.98e6	2.98e6	100	0.0	1.00	bd
6	201125K1_6	100	1.05	NO	28.52	0.000	3.12e6	3.12e6	100	0.0	1.00	bd

**Compound name: 13C-PCB-60**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.80	NO	36.52	0.000	2.00e6	2.00e6	100	0.0	1.00	bb
2	201125K1_2	100	0.79	NO	36.52	0.000	2.22e6	2.22e6	100	0.0	1.00	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time  
 Printed: Thursday, November 26, 2020 07:29:32 Pacific Standard Time

**Compound name: 13C-PCB-60**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.79	NO	36.52	0.000	2.24e6	2.24e6	100	0.0	1.00	bb
4	201125K1_4	100	0.80	NO	36.52	0.000	2.23e6	2.23e6	100	0.0	1.00	bb
5	201125K1_5	100	0.81	NO	36.52	0.000	2.37e6	2.37e6	100	0.0	1.00	bb
6	201125K1_6	100	0.80	NO	36.54	0.000	2.58e6	2.58e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-111**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 216 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.60	NO	39.11	0.000	1.54e6	1.54e6	100	0.0	1.00	bb
2	201125K1_2	100	1.61	NO	39.09	0.000	1.70e6	1.70e6	100	0.0	1.00	bb
3	201125K1_3	100	1.60	NO	39.09	0.000	1.78e6	1.78e6	100	0.0	1.00	bb
4	201125K1_4	100	1.61	NO	39.09	0.000	1.74e6	1.74e6	100	0.0	1.00	bb
5	201125K1_5	100	1.60	NO	39.09	0.000	1.97e6	1.97e6	100	0.0	1.00	bb
6	201125K1_6	100	1.59	NO	39.11	0.000	2.16e6	2.16e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-128**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	1.28	NO	46.45	0.000	1.09e6	1.09e6	100	0.0	1.00	db
2	201125K1_2	100	1.24	NO	46.45	0.000	1.26e6	1.26e6	100	0.0	1.00	db
3	201125K1_3	100	1.29	NO	46.45	0.000	1.27e6	1.27e6	100	0.0	1.00	db
4	201125K1_4	100	1.26	NO	46.45	0.000	1.23e6	1.23e6	100	0.0	1.00	db
5	201125K1_5	100	1.28	NO	46.45	0.000	1.34e6	1.34e6	100	0.0	1.00	db
6	201125K1_6	100	1.26	NO	46.47	0.000	1.45e6	1.45e6	100	0.0	1.00	db

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-182**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 218 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	46.28	0.000	8.77e5	8.77e5	100	0.0	1.00	bb
2	201125K1_2	100	0.46	NO	46.26	0.000	1.02e6	1.02e6	100	0.0	1.00	bb
3	201125K1_3	100	0.46	NO	46.26	0.000	1.06e6	1.06e6	100	0.0	1.00	bb
4	201125K1_4	100	0.45	NO	46.28	0.000	1.03e6	1.03e6	100	0.0	1.00	bb
5	201125K1_5	100	0.46	NO	46.28	0.000	1.17e6	1.17e6	100	0.0	1.00	bb
6	201125K1_6	100	0.46	NO	46.28	0.000	1.28e6	1.28e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-205**

Response Factor: 1

RRF SD: 0, Relative SD: 0

Response type: Internal Std ( Ref 219 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.92	NO	54.81	0.000	1.44e6	1.44e6	100	0.0	1.00	bb
2	201125K1_2	100	0.92	NO	54.78	0.000	1.63e6	1.63e6	100	0.0	1.00	bb
3	201125K1_3	100	0.90	NO	54.80	0.000	1.62e6	1.62e6	100	0.0	1.00	bb
4	201125K1_4	100	0.89	NO	54.80	0.000	1.54e6	1.54e6	100	0.0	1.00	bb
5	201125K1_5	100	0.91	NO	54.78	0.000	1.79e6	1.79e6	100	0.0	1.00	bb
6	201125K1_6	100	0.90	NO	54.81	0.000	1.97e6	1.97e6	100	0.0	1.00	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.03585

RRF SD: 0.031989, Relative SD: 3.08818

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.77	NO	37.64	1.031	2.04e6	2.00e6	98.2	-1.8	1.02	bb
2	201125K1_2	100	0.78	NO	37.62	1.030	2.29e6	2.22e6	99.6	-0.4	1.03	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

Last Altered: Wednesday, November 25, 2020 17:49:42 Pacific Standard Time

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**Compound name: 13C-PCB-79**

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
3	201125K1_3	100	0.78	NO	37.62	1.030	2.40e6	2.24e6	103	3.4	1.07	bb
4	201125K1_4	100	0.78	NO	37.62	1.030	2.24e6	2.23e6	96.9	-3.1	1.00	bb
5	201125K1_5	100	0.78	NO	37.62	1.030	2.40e6	2.37e6	97.7	-2.3	1.01	bb
6	201125K1_6	100	0.79	NO	37.64	1.030	2.78e6	2.58e6	104	4.2	1.08	bb

**Compound name: 13C-PCB-178**

Response Factor: 0.77438

RRF SD: 0.0207314, Relative SD: 2.67717

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	45.73	0.988	8.05e5	1.09e6	95.7	-4.3	0.741	bd
2	201125K1_2	100	0.47	NO	45.71	0.988	9.73e5	1.26e6	99.5	-0.5	0.770	bb
3	201125K1_3	100	0.46	NO	45.71	0.988	1.01e6	1.27e6	103	3.3	0.800	bb
4	201125K1_4	100	0.46	NO	45.71	0.988	9.61e5	1.23e6	101	0.6	0.779	bb
5	201125K1_5	100	0.45	NO	45.71	0.988	1.02e6	1.34e6	98.9	-1.1	0.766	bb
6	201125K1_6	100	0.46	NO	45.73	0.988	1.14e6	1.45e6	102	2.0	0.790	bb

**Compound name: 13C-PCB-79**

Response Factor: 1.03585

RRF SD: 0.031989, Relative SD: 3.08818

Response type: Internal Std ( Ref 215 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.77	NO	37.64	0.968	2.04e6	1.93e6	102	1.6	1.06	bb
2	201125K1_2	100	0.78	NO	37.62	0.967	2.29e6	2.18e6	101	0.7	1.05	bb
3	201125K1_3	100	0.78	NO	37.62	0.967	2.40e6	2.37e6	97.0	-3.0	1.01	bb
4	201125K1_4	100	0.78	NO	37.62	0.967	2.24e6	2.18e6	98.5	-1.5	1.03	bb
5	201125K1_5	100	0.78	NO	37.62	0.967	2.40e6	2.34e6	98.6	-1.4	1.03	bb
6	201125K1_6	100	0.79	NO	37.64	0.967	2.78e6	2.57e6	104	3.7	1.08	bb

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-CRV.qld

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**Compound name: 13C-PCB-178**

Response Factor: 0.77438

RRF SD: 0.0207314, Relative SD: 2.67717

Response type: Internal Std ( Ref 217 ), Area \* ( IS Conc. / IS Area )

Curve type: RF

	Name	Std. Conc	RA	n/y	RT	RRT	Resp	IS Resp	Conc.	%Dev	RRF	X = dropped
1	201125K1_1	100	0.45	NO	45.73	0.923	8.05e5	8.18e5	96.7	-3.3	0.984	bb
2	201125K1_2	100	0.47	NO	45.71	0.923	9.73e5	9.17e5	104	4.2	1.06	bb
3	201125K1_3	100	0.46	NO	45.71	0.923	1.01e6	1.02e6	98.1	-1.9	0.998	bb
4	201125K1_4	100	0.46	NO	45.71	0.923	9.62e5	9.31e5	101	1.4	1.03	bb
5	201125K1_5	100	0.45	NO	45.71	0.923	1.02e6	1.03e6	97.4	-2.6	0.991	bb
6	201125K1_6	100	0.46	NO	45.73	0.923	1.14e6	1.10e6	102	2.2	1.04	bb

Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:53:28 Pacific Standard Time

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

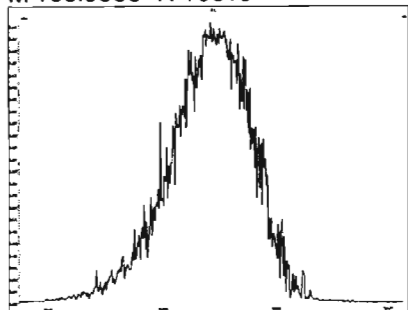
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3	201125K1_3	ST201125K1-3 PCB 209 CS2 20J1216	25-Nov-20	11:48:31
4	201125K1_4	ST201125K1-4 PCB 209 CS3 20J1217	25-Nov-20	12:48:48
5	201125K1_5	ST201125K1-5 PCB 209 CS4 20J1218	25-Nov-20	13:49:04
6	201125K1_6	ST201125K1-6 PCB 209 CS5 20J1219	25-Nov-20	14:49:20
7	201125K1_7	SOLVENT BLANK	25-Nov-20	15:49:32
8	201125K1_8	SS201125K1-1 PCB 209 SS 20J1220	25-Nov-20	16:54:25
9	201125K1_9	SOLVENT BLANK	25-Nov-20	18:01:56
10	201125K1_10	QC201125K1-CRV BLANK	25-Nov-20	19:00:53
11	201125K1_11	ST201125K1-7 PCB 209 CS3 19G2609	25-Nov-20	20:01:08
12	201125K1_12	B0K0086-BS2 OPR 10	25-Nov-20	21:01:22
13	201125K1_13	B0K0086-BS7 OPR 10	25-Nov-20	22:01:41
14	201125K1_14	B0K0062-BS8 OPR 10	25-Nov-20	23:02:01
15	201125K1_15	B0K0062-BS1 OPR 5	26-Nov-20	00:02:21

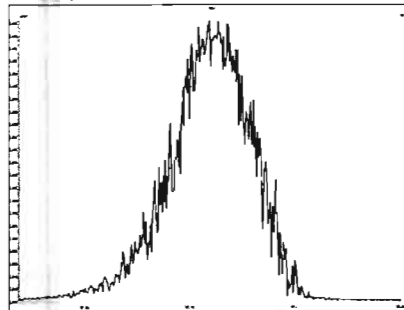
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Printed: Wednesday, November 25, 2020 09:36:09 Pacific Standard Time

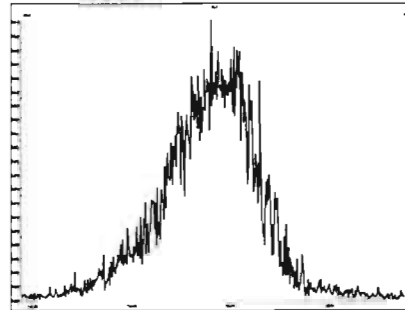
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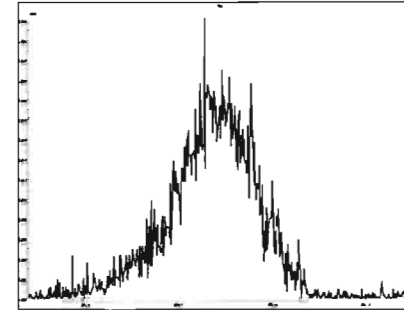
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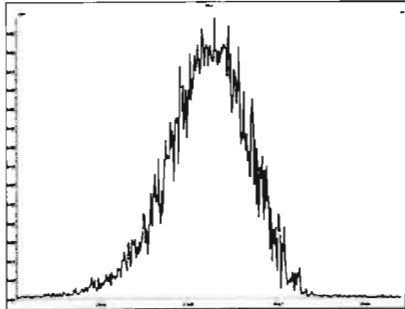
Experiment Calibration Report

MassLynx 4.1 SCN815

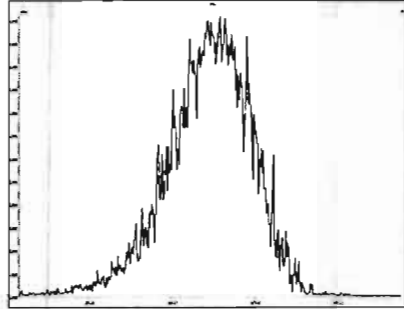
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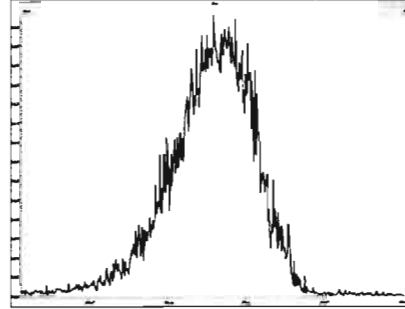
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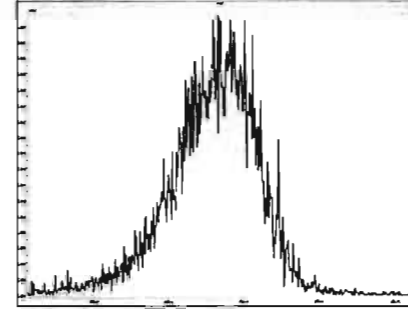
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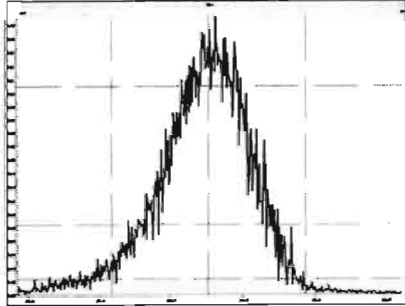
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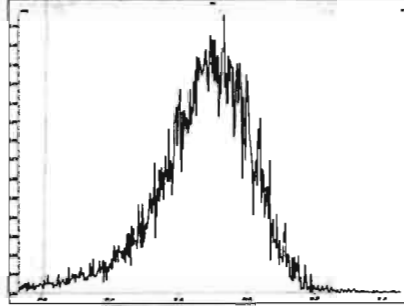
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M 268.9824 R 11418



M 280.9824 R 10205



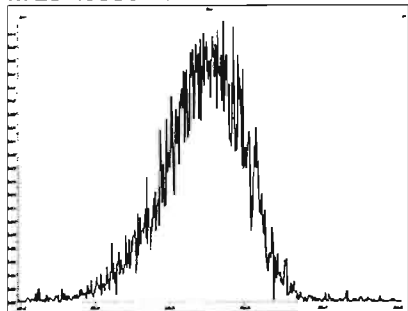
Experiment Calibration Report

MassLynx 4.1 SCN815

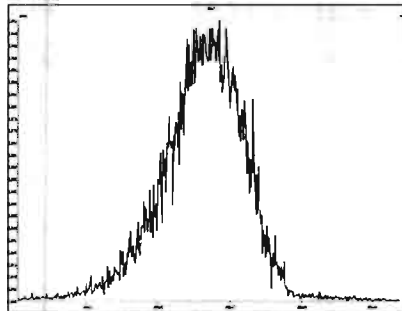
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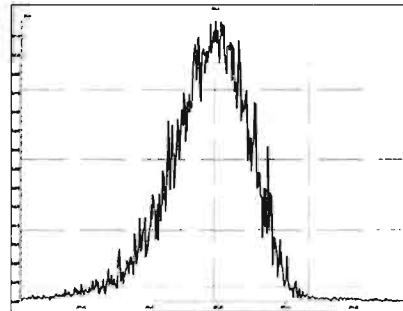
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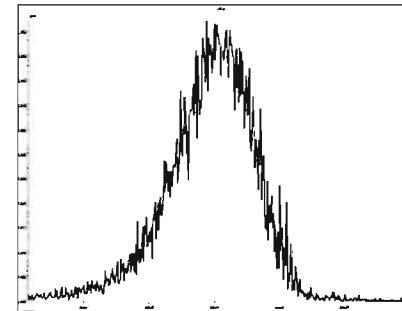
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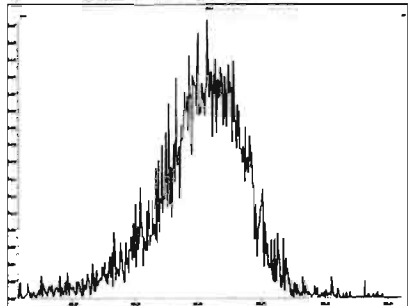
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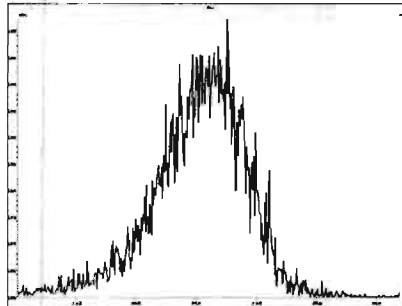
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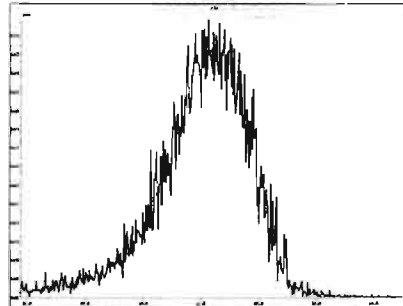
M 304.9824 R 10372



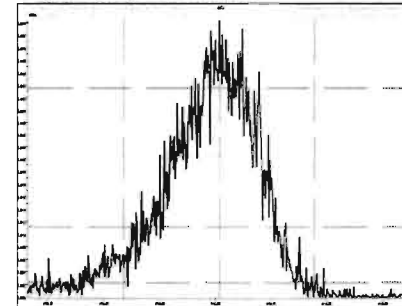
M 318.9792 R 10727



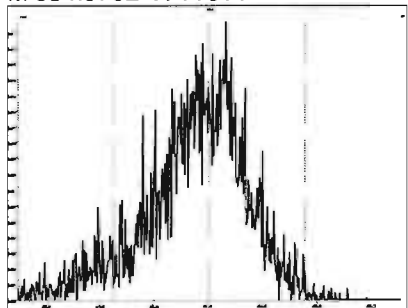
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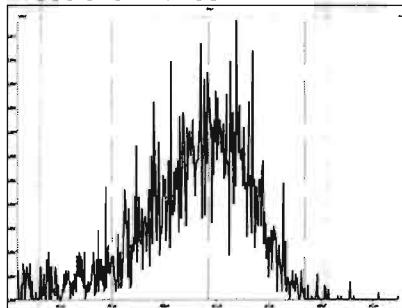
M 342.9792 R 11415



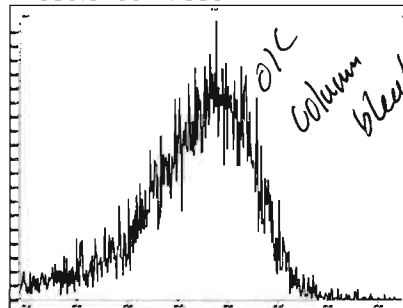
M 354.9792 R 11011



M 366.9792 R 10375



M 380.9760 R 8894

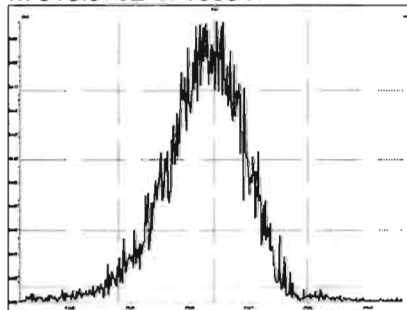


O/C  
column  
bleed

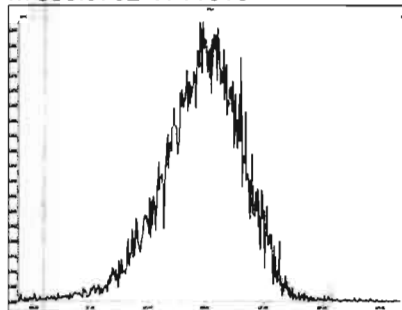
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Printed: Wednesday, November 25, 2020 09:47:06 Pacific Standard Time

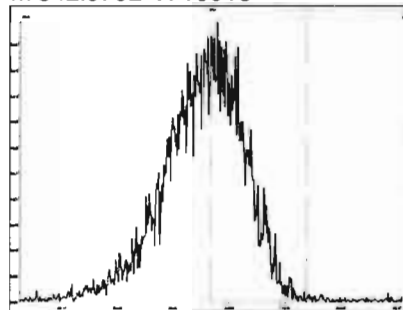
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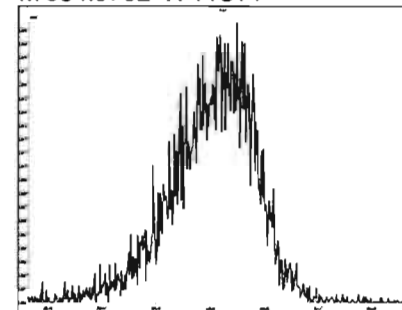
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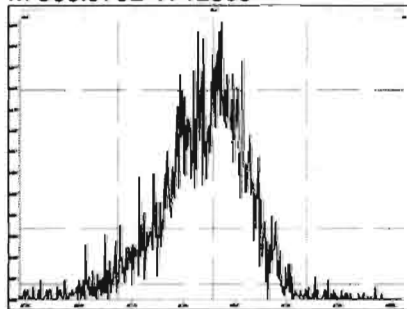
M 342.9792 R 10915



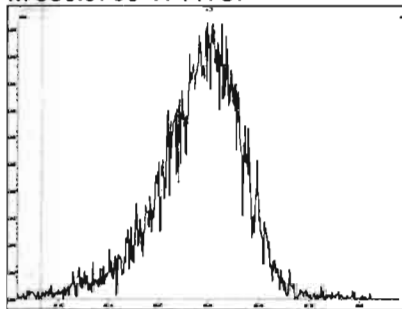
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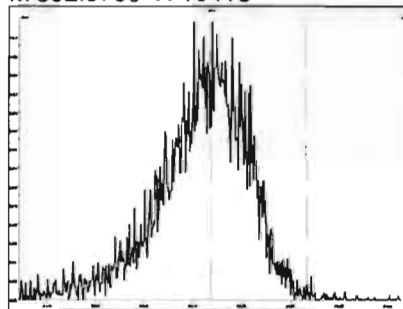
M 366.9792 R 12563



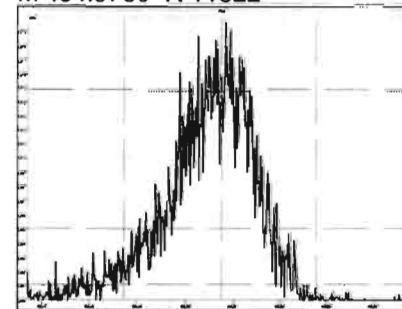
M 380.9760 R 11737



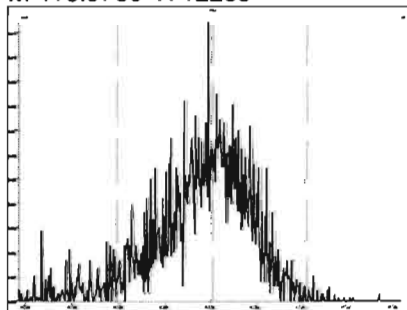
M 392.9760 R 10415



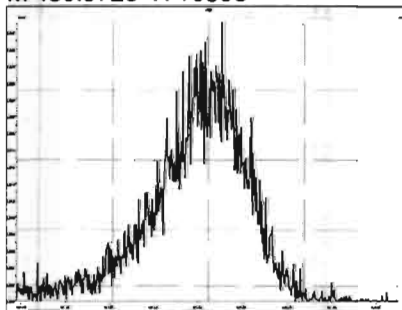
M 404.9760 R 11522



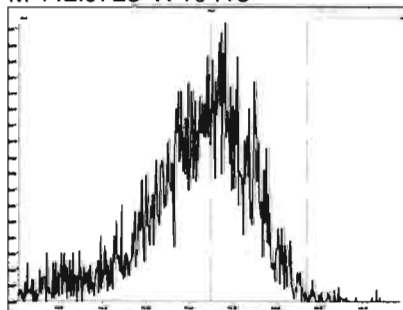
M 416.9760 R 12256



M 430.9728 R 10593



M 442.9728 R 10415



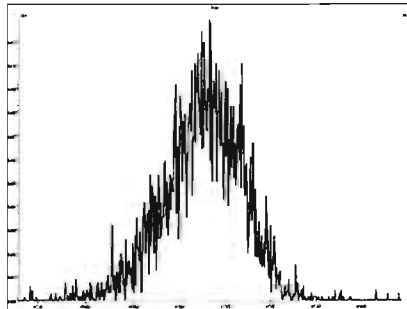
Experiment Calibration Report

MassLynx 4.1 SCN815

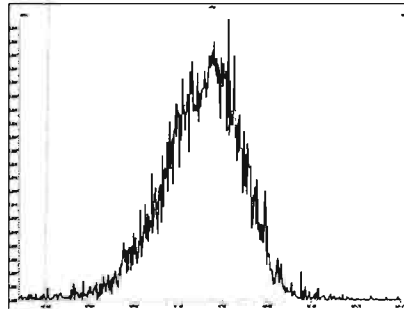
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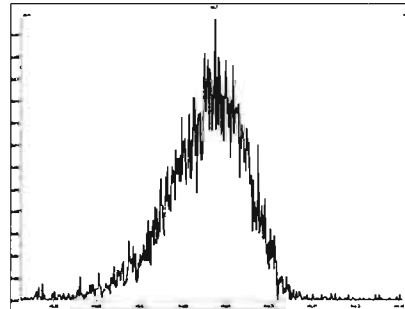
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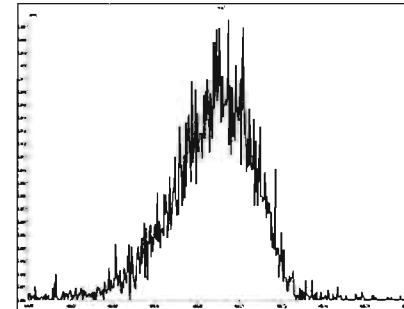
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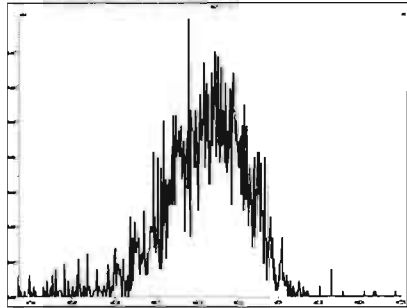
M 442.9728 R 11414



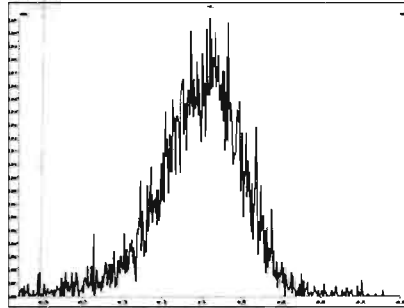
M 454.9728 R 12692



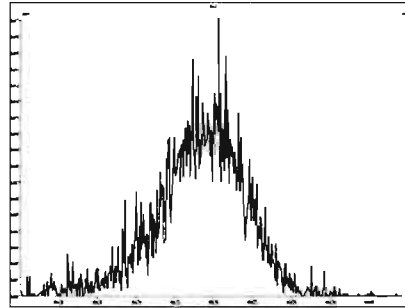
M 466.9728 R 13228



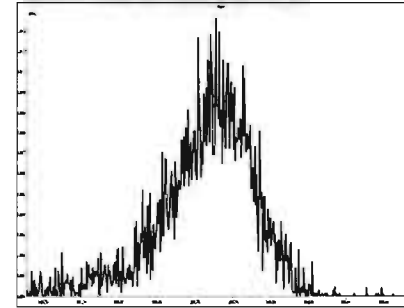
M 480.9696 R 10965



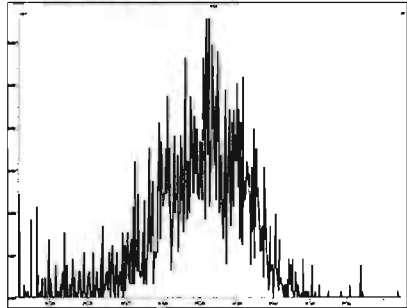
M 492.9696 R 11792



M 504.9696 R 11209



M 516.9697 R 13163



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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

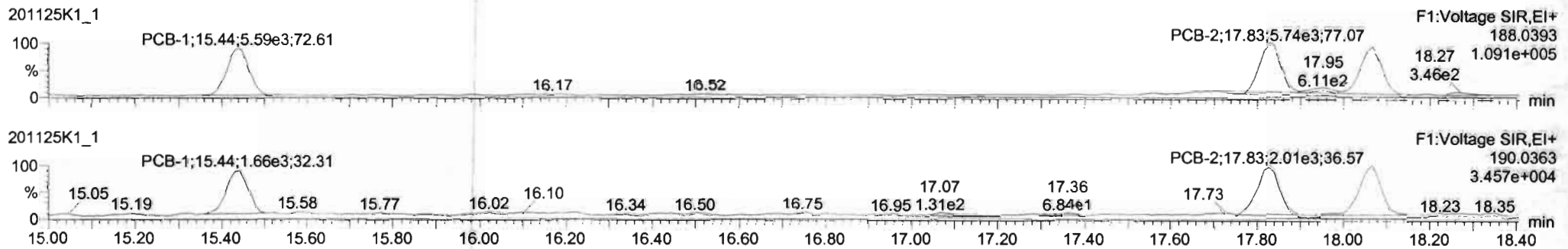
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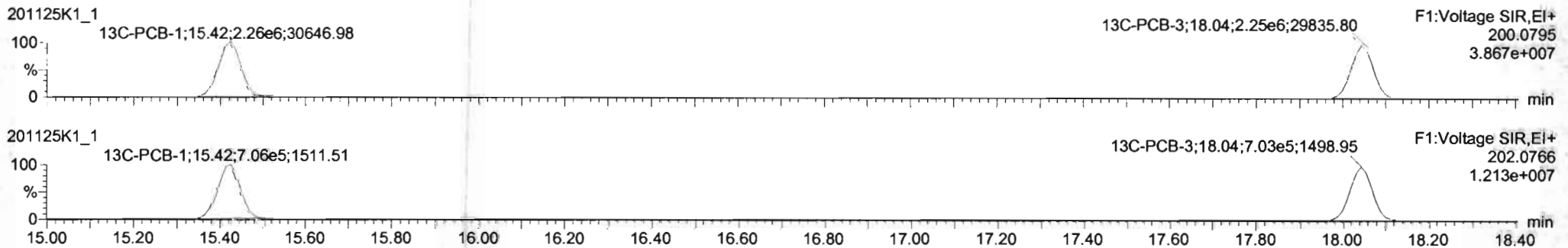
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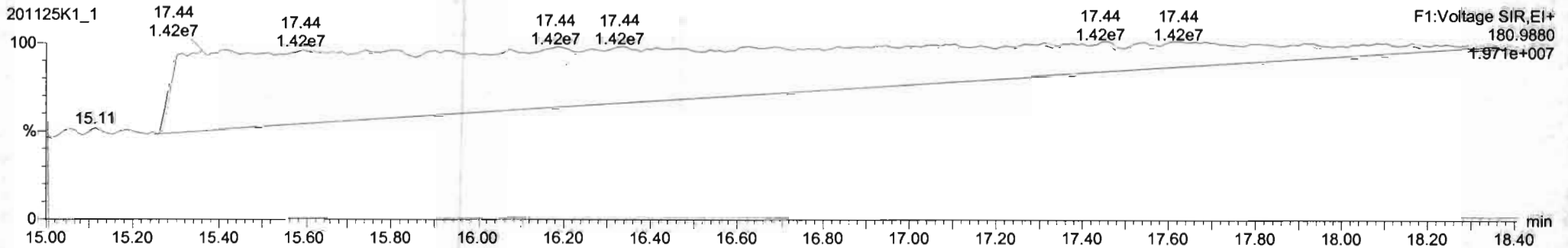
**PCB-1**



**13C-PCB-1**

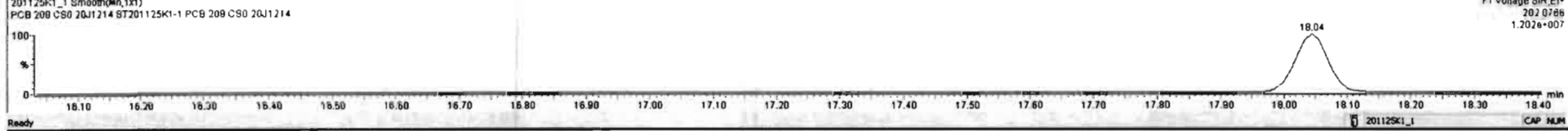
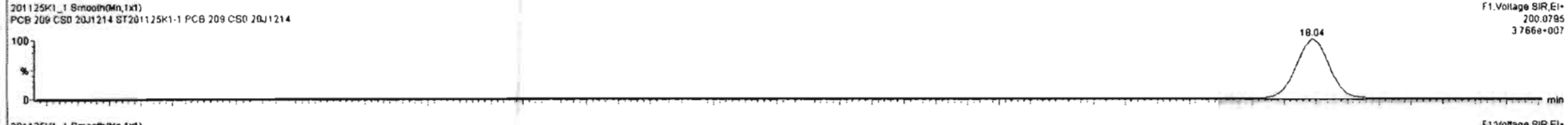
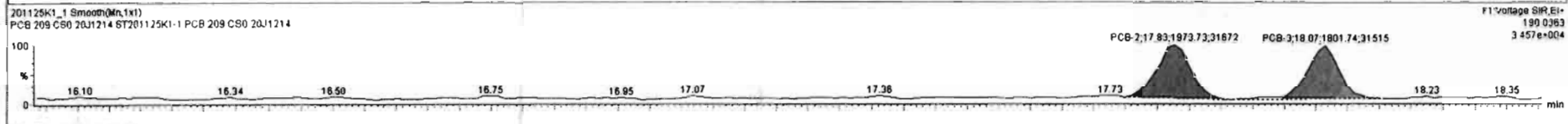
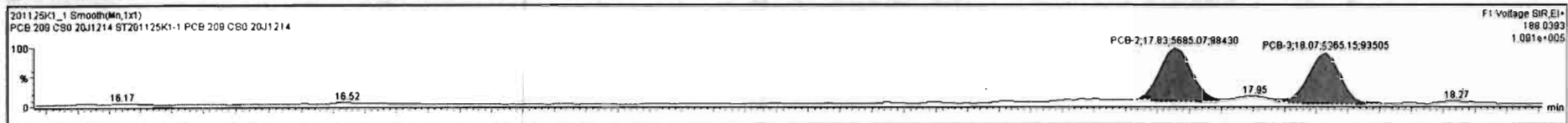


**PFK1**



#	Name	Resp	RA	n/y	RPF	wtAvol	Pred.RT	RT	Pred.R	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.988	NO	95.67	95.7	0.0474	
222	222 13C-PCB-78	2.04e6	0.77	NO	1.0415	1.000	37.83	37.84	0.988	0.988	NO	101.8	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0294	1.000	0.00		0.000		NO	0.7448		0.0258	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00		0.000		NO	4.003		0.161	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.559	10.71

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1° Ratio (Pred)	RA	n/y	EMPC	Conc.
1	1 PCB-1	15.43	15.44	5.591e3	1.664e3	3.130	3.38	NO	0.24000	0.24817
2	2 PCB-2	17.83	17.83	5.895e3	1.974e3	3.130	2.88	NO	0.25400	0.25416
3	3 PCB-3	18.06	18.07	5.305e3	1.802e3	3.130	2.98	NO	0.24200	0.24247



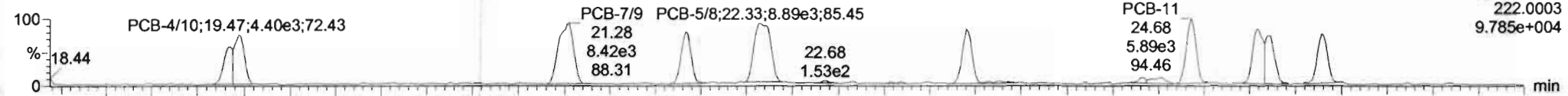
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

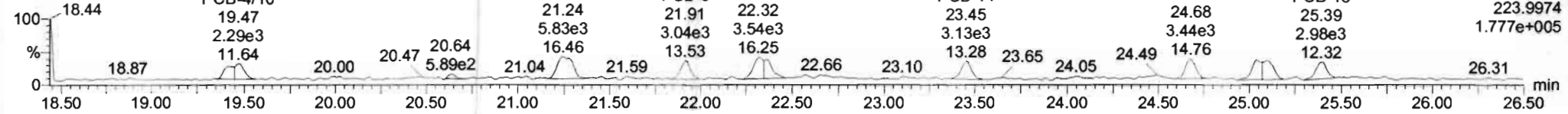
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**PCB-4/10**

201125K1\_1

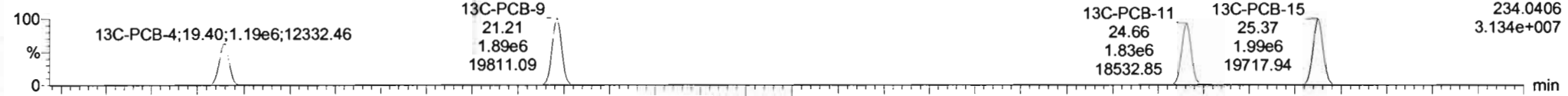


201125K1\_1

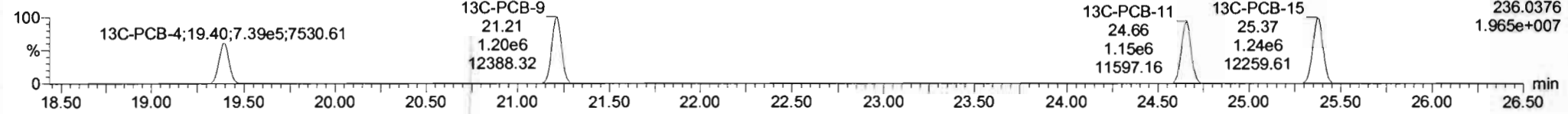


**13C-PCB-4**

201125K1\_1

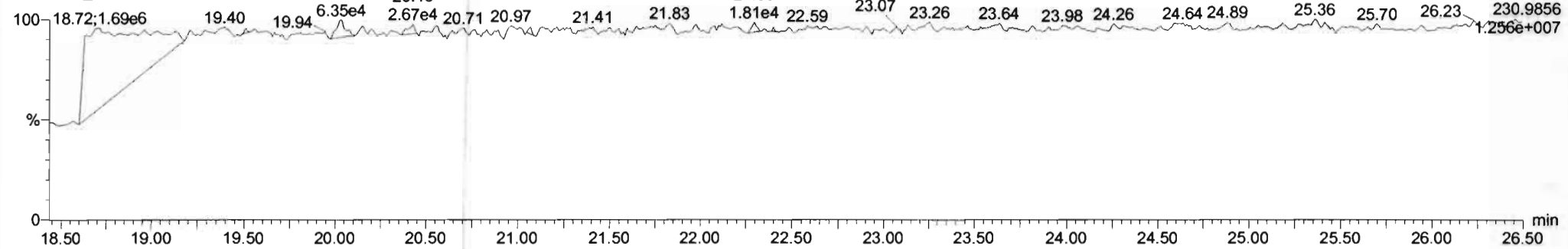


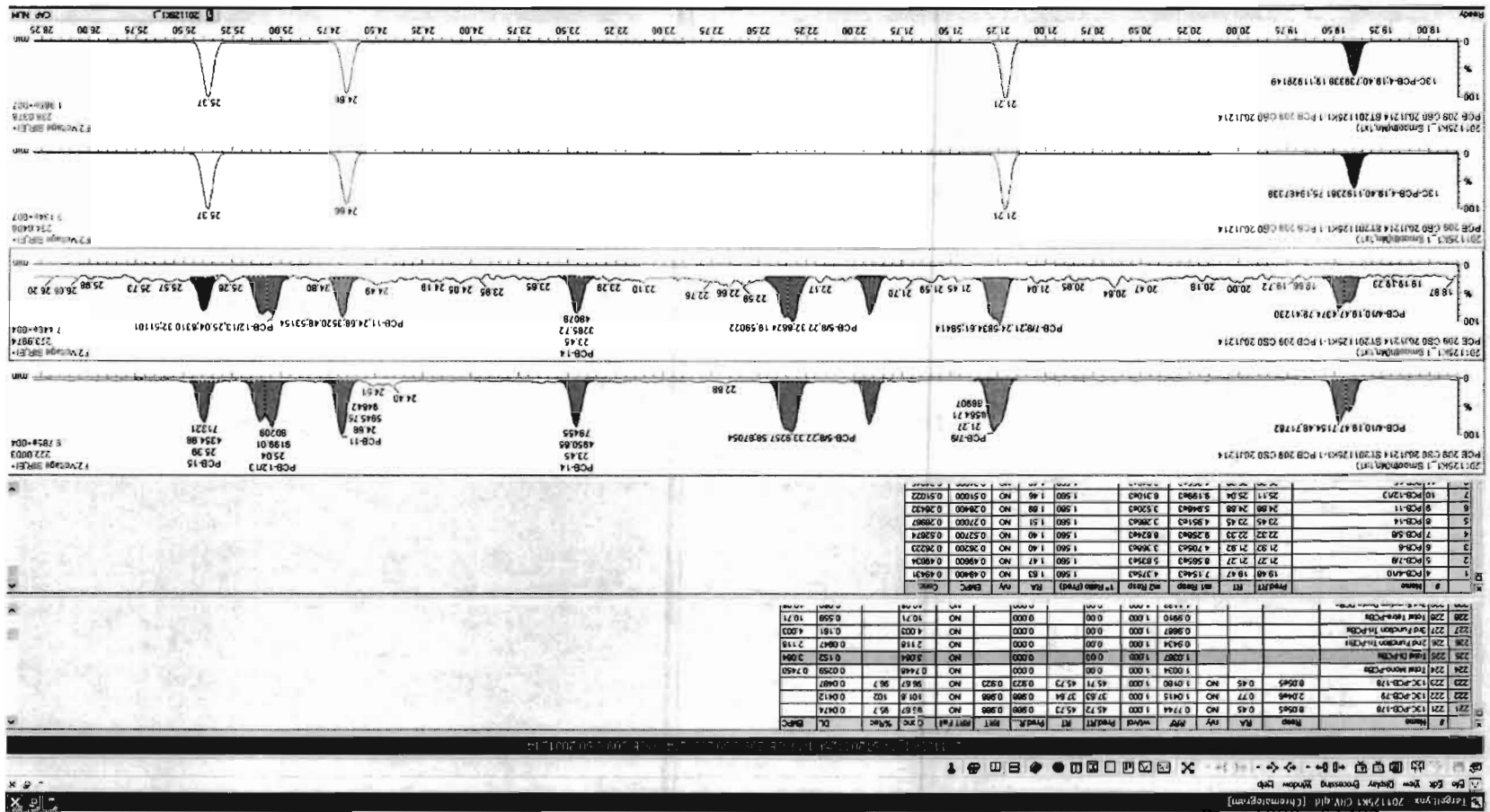
201125K1\_1



**PFK2a**

201125K1\_1





Station	Height	Area	Volume	Compaction	Notes
2011254.1	28.75	0.000	0.000	0.000	
2011254.2	28.75	0.000	0.000	0.000	
2011254.3	28.75	0.000	0.000	0.000	
2011254.4	28.75	0.000	0.000	0.000	
2011254.5	28.75	0.000	0.000	0.000	
2011254.6	28.75	0.000	0.000	0.000	
2011254.7	28.75	0.000	0.000	0.000	
2011254.8	28.75	0.000	0.000	0.000	
2011254.9	28.75	0.000	0.000	0.000	
2011255.0	28.75	0.000	0.000	0.000	



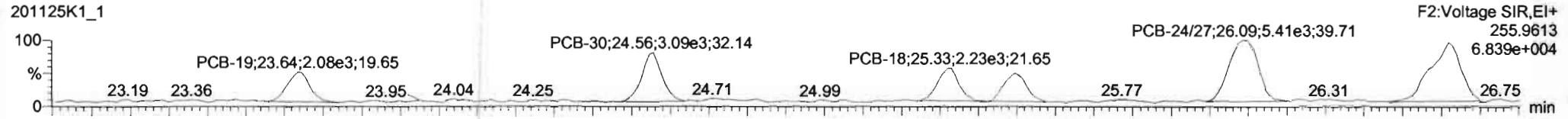
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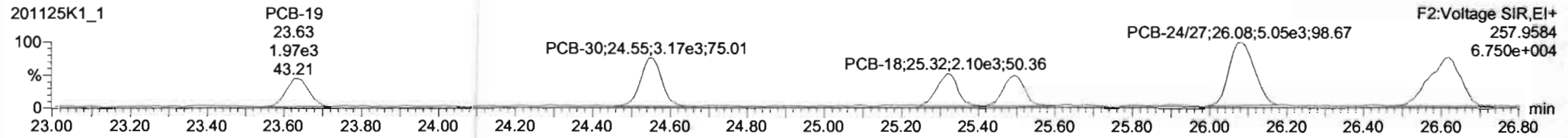
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**PCB-19**

201125K1\_1

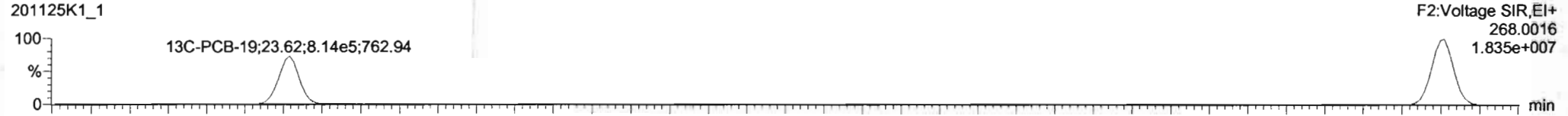


201125K1\_1

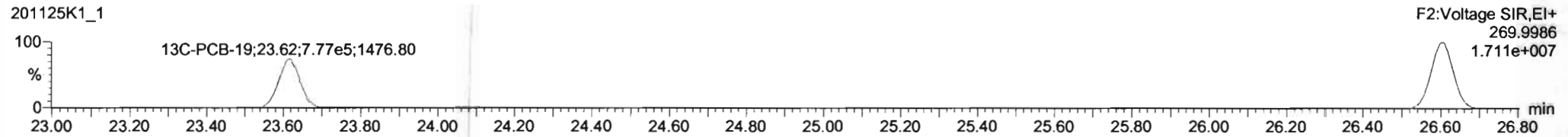


**13C-PCB-19**

201125K1\_1

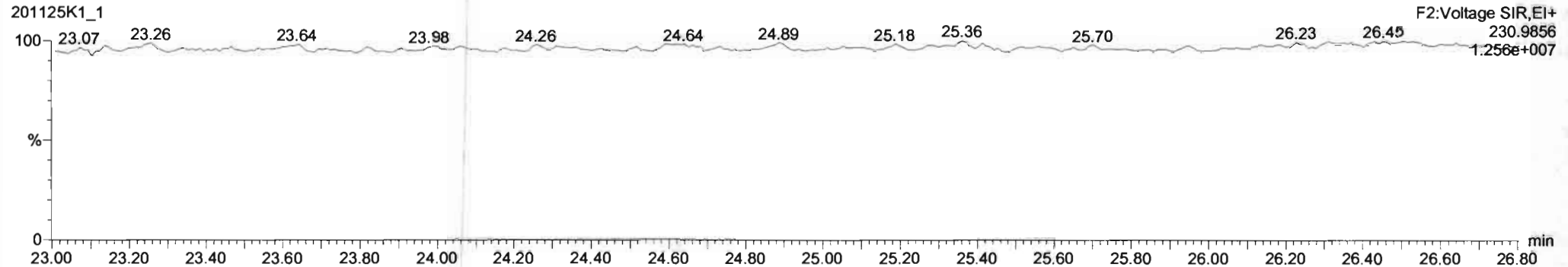


201125K1\_1



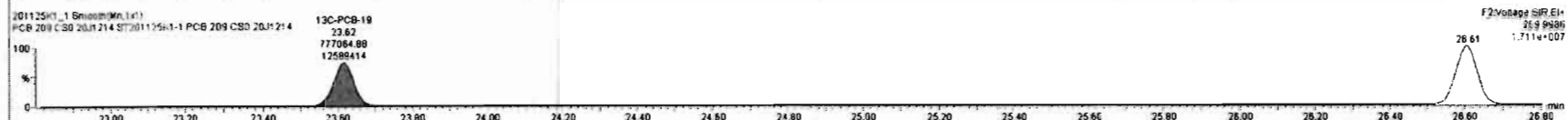
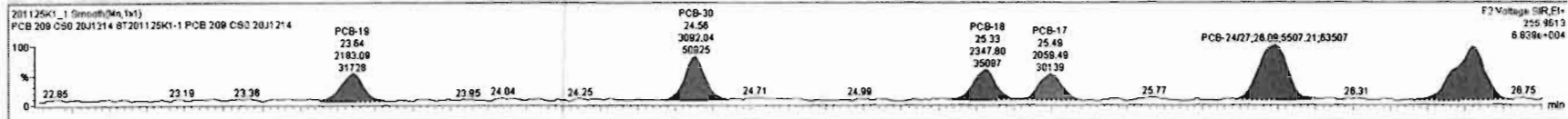
**PFK2b**

201125K1\_1



#	Name	Resp	RA	nly	RRF	wtAval	Pred RT	RT	Pred R	RTT	RR1 Fnd	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.988	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.83	37.84	0.988	0.988	NO	101.6	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.153	3.084
226	226 3rd Function Tri-PCBs				1.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tetra-PCBs				0.9687	1.000	0.00		0.000		NO	4.003		0.161	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.558	10.71

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc
12	PCB-19	23.85	23.84	2.183e3	1.991e3	1.040	1.10	NO	0.27000	0.26882
2	PCB-30	24.56	24.56	3.092e3	3.189e3	1.040	0.98	NO	0.25500	0.25548
14	PCB-18	25.33	25.33	2.348e3	2.119e3	1.040	1.11	NO	0.27000	0.27008
5	PCB-17	25.50	25.49	2.059e3	2.033e3	1.040	1.01	NO	0.26500	0.26497
16	PCB-24/27	26.10	26.09	5.507e3	5.170e3	1.040	1.07	NO	0.49800	0.49807
8	PCB-16/32	26.63	26.62	5.765e3	4.845e3	1.040	1.19	NO	0.58000	0.55878



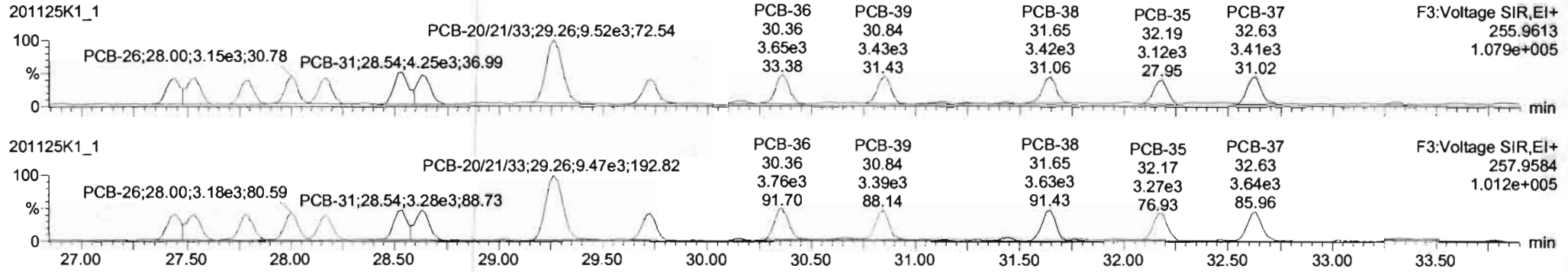
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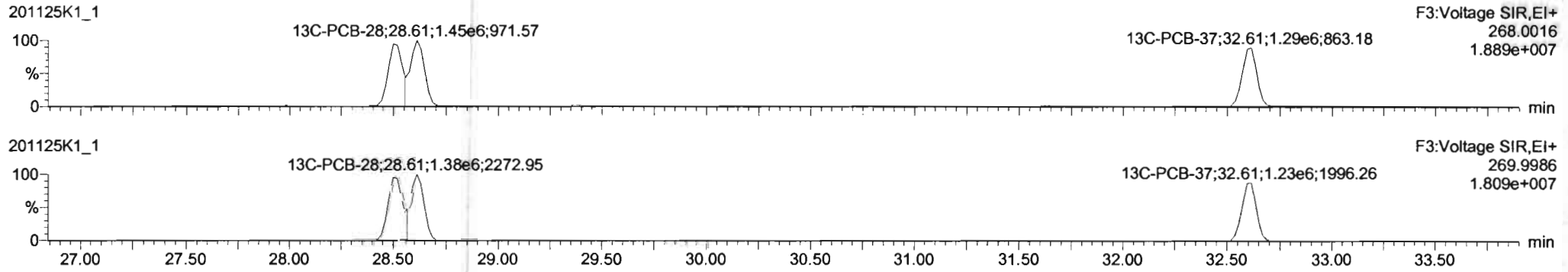
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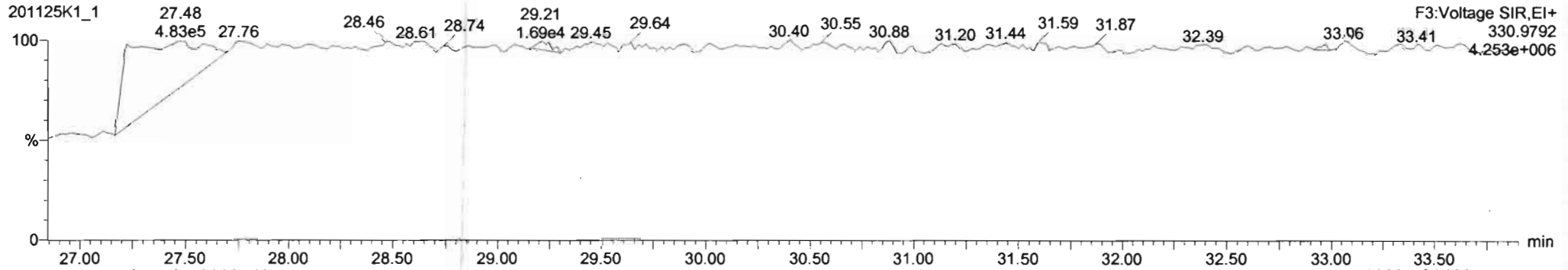
**PCB-34**



**13C-PCB-28**

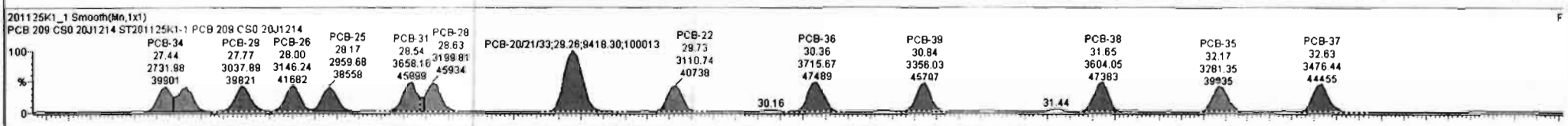
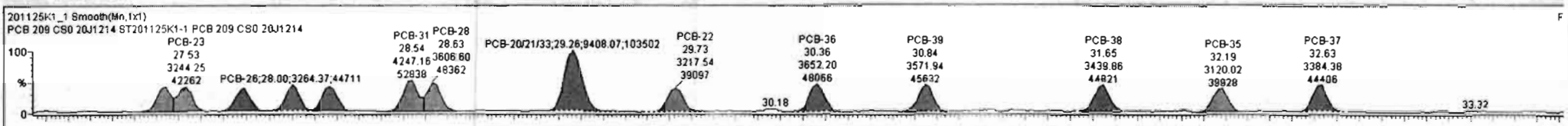


**PFK3d**



#	Name	Resp	RA	n/y	RfF	w/Vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.988	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.968	0.968	NO	101.6	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00		0.000		NO	4.003		0.181	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.559	10.71

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	18 PCB-34	27.44	27.44	2.891e3	2.732e3	1.040	1.10	NO	0.23000	0.23021
2	19 PCB-23	27.53	27.53	3.244e3	3.084e3	1.040	1.05	NO	0.25000	0.25048
3	20 PCB-29	27.77	27.79	2.918e3	3.038e3	1.040	0.96	NO	0.24400	0.24413
4	21 PCB-26	28.00	28.00	3.284e3	3.146e3	1.040	1.04	NO	0.24700	0.24744
5	22 PCB-25	28.16	28.17	3.223e3	2.960e3	1.040	1.09	NO	0.23800	0.23845
6	23 PCB-31	28.53	28.54	4.247e3	3.658e3	1.040	1.16	NO	0.27100	0.27090
7	24 PCB-28	28.63	28.63	3.607e3	3.200e3	1.040	1.13	NO	0.23700	0.23691

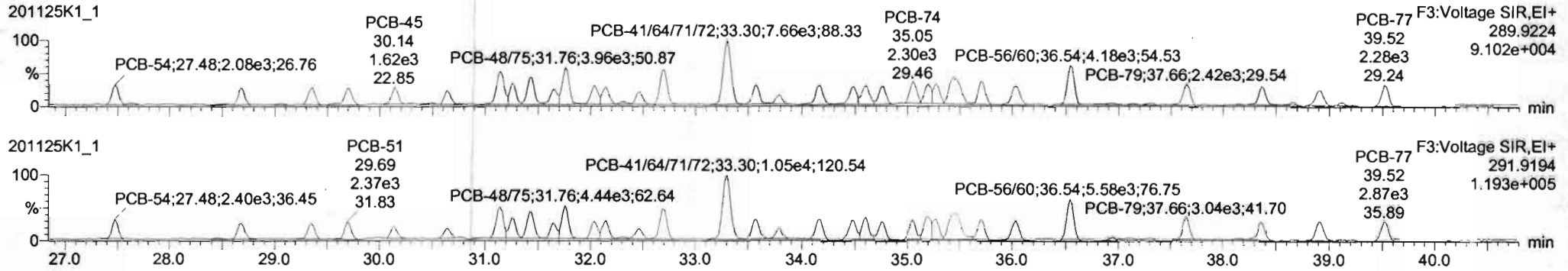


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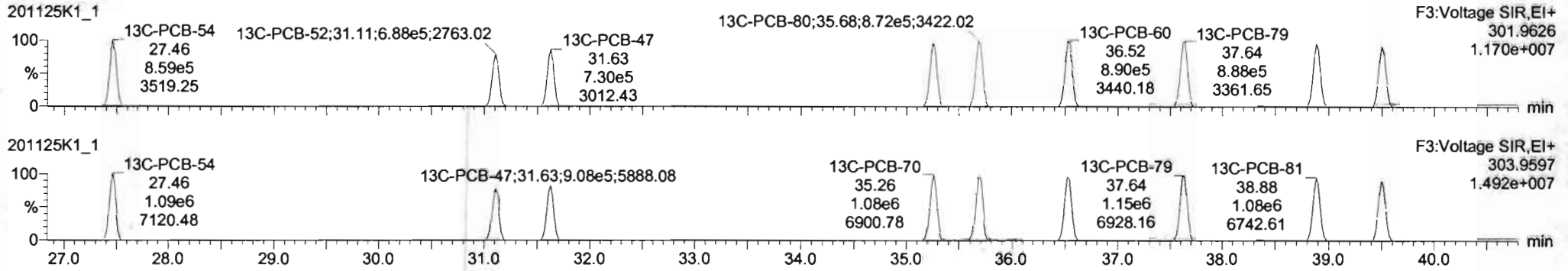
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

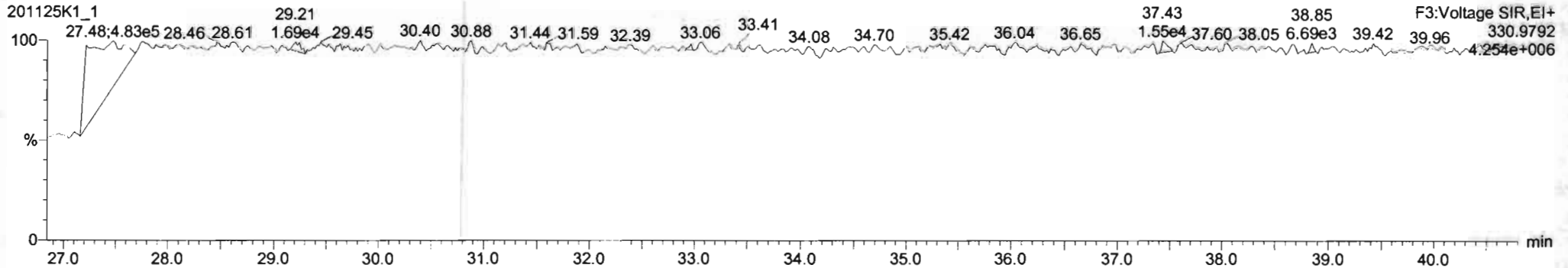
**PCB-54**



**13C-PCB-54**



**PFK3a**



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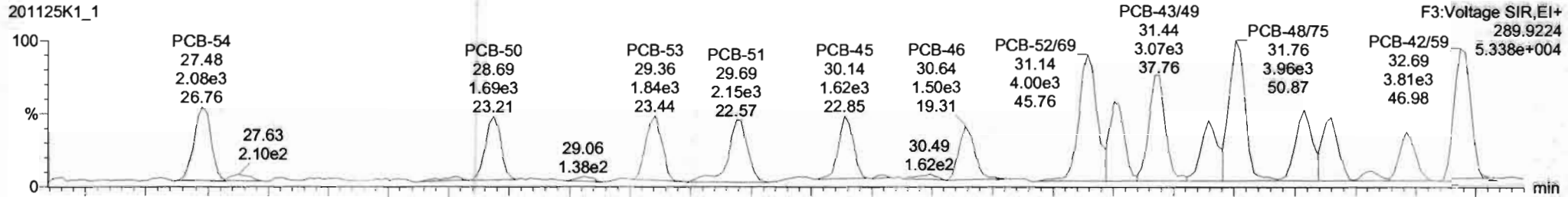
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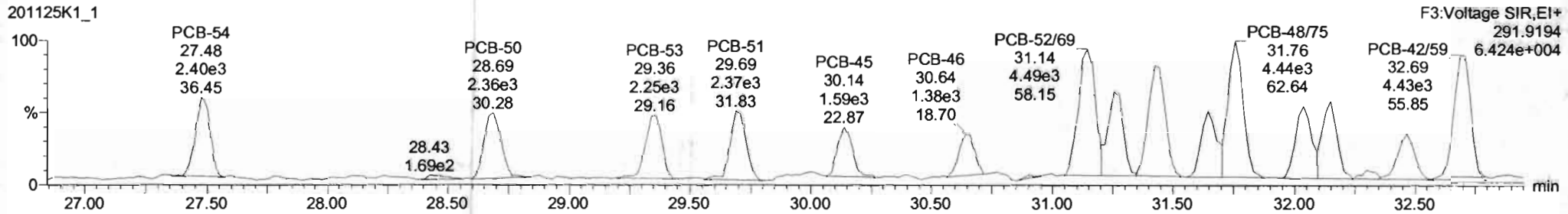
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PCB-50

201125K1\_1

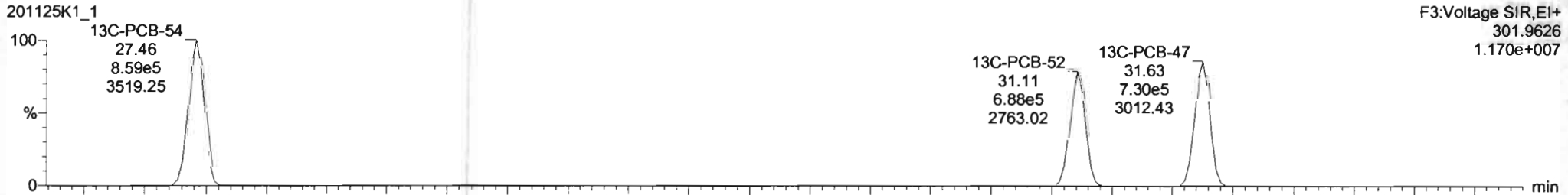


201125K1\_1

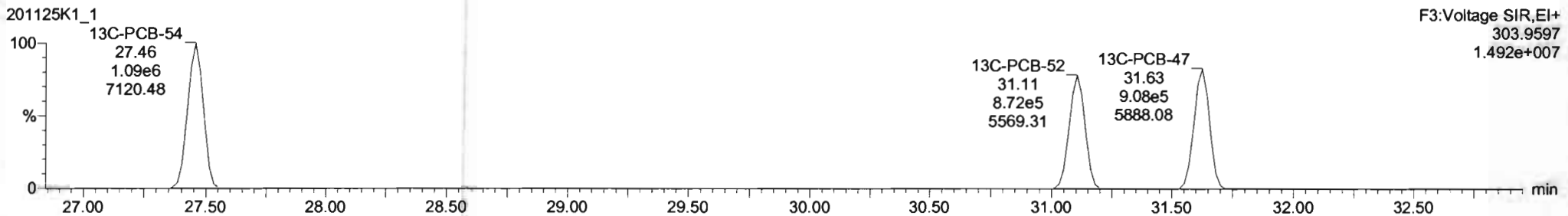


13C-PCB-52

201125K1\_1

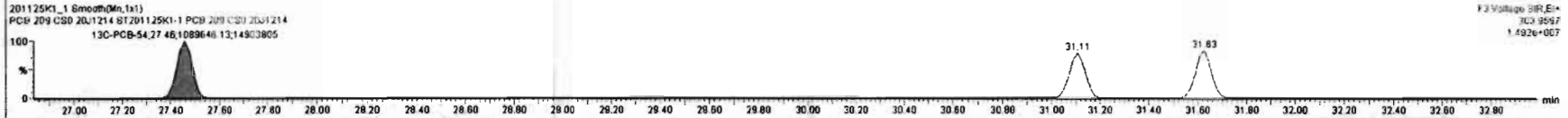
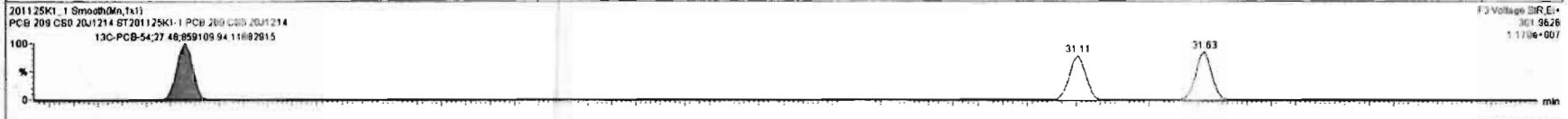
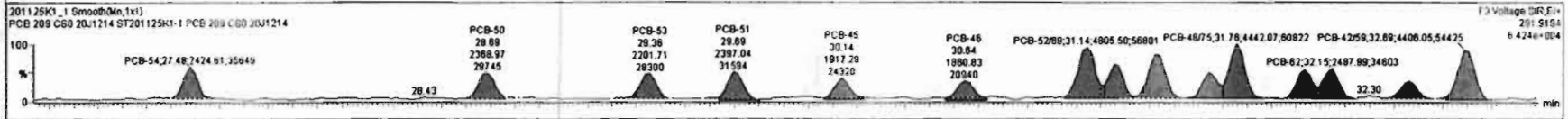
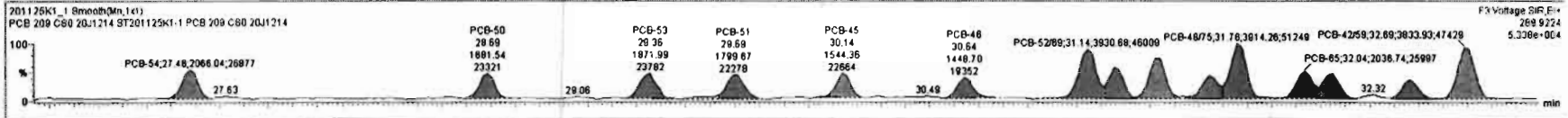


201125K1\_1



#	Name	Resp	RA	n/y	RRF	wtAvt	Pred.RT	RT	Pred.R	RR1	RR1 Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.999	0.999	NO	95.67	95.7	0.0474	
222	222 13C-PCB-78	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.999	0.999	NO	101.6	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	95.67	98.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	4.003		0.181	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.539	10.71

#	Name	Pred.RT	RT	wt Resp	nc2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.48	27.48	2.086e3	2.425e3	0.770	0.85	NO	0.23700	0.23652
2	33 PCB-50	28.88	28.89	1.682e3	2.369e3	0.770	0.71	NO	0.25900	0.25862
3	34 PCB-53	29.37	29.36	1.872e3	2.202e3	0.770	0.85	NO	0.27800	0.27805
4	35 PCB-51	29.70	29.69	1.800e3	2.397e3	0.770	0.75	NO	0.26900	0.26907
5	36 PCB-45	30.15	30.14	1.544e3	1.917e3	0.770	0.81	NO	0.27800	0.27845
6	37 PCB-46	30.65	30.64	1.449e3	1.861e3	0.770	0.78	NO	0.27500	0.27531
7	38 PCB-52/69	31.14	31.14	3.931e3	4.806e3	0.770	0.82	NO	0.51700	0.51738
8	39 PCB-73	31.25	31.25	2.026e3	2.800e3	0.770	0.78	NO	0.22700	0.22686



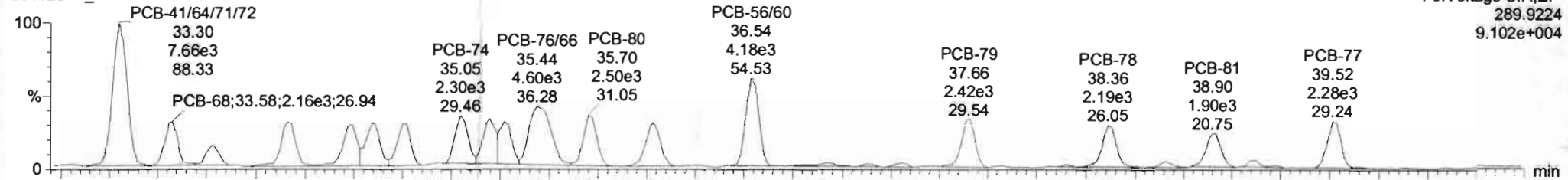
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

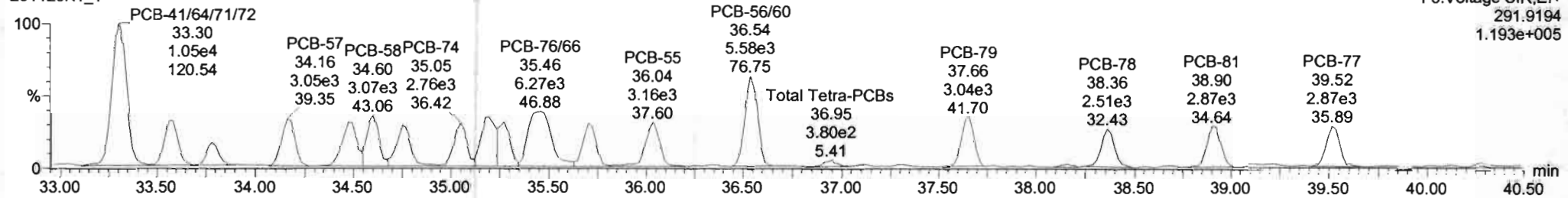
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**PCB-68**

201125K1\_1

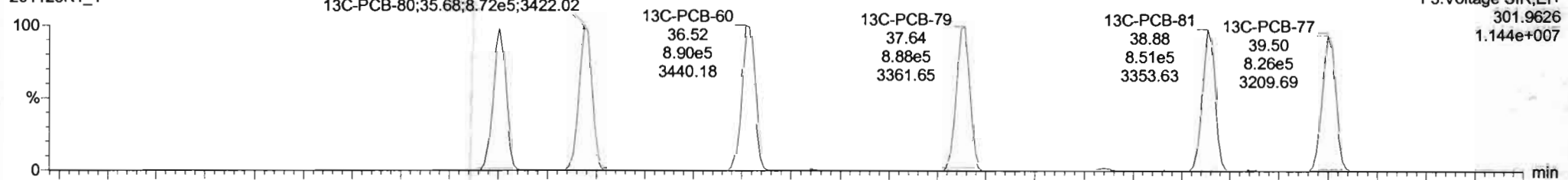


201125K1\_1

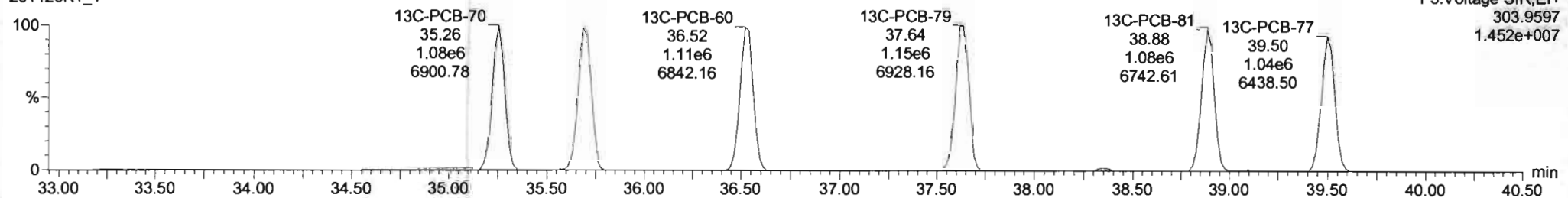


**13C-PCB-60**

201125K1\_1



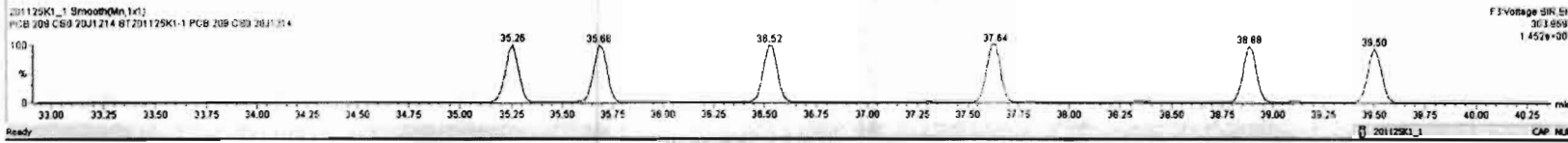
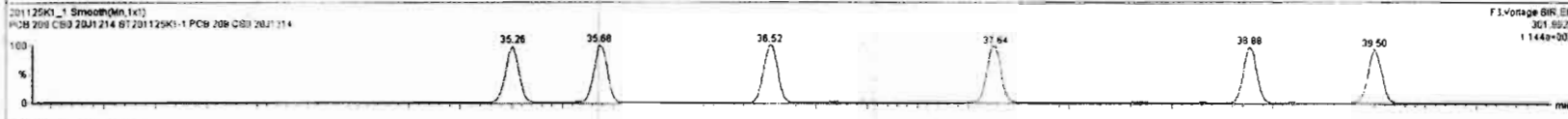
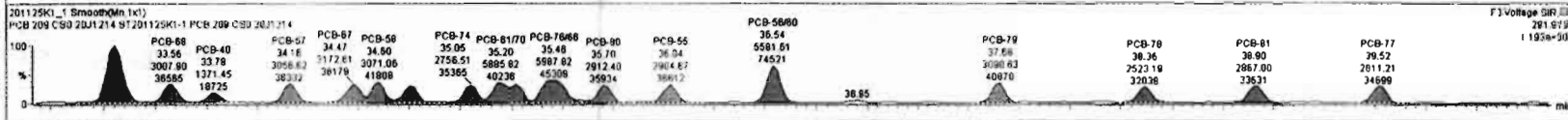
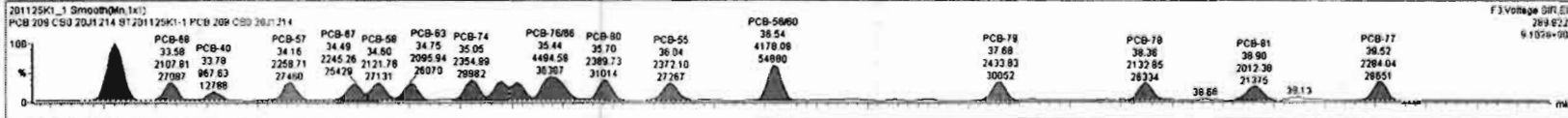
201125K1\_1





#	Name	Resp	RA	nV	RFV	wfct	ProdRT	RT	ProdR	RTI	RTI Fat	Conc	%Rec	DL	EMPC
221	13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.909	0.909	NO	95.67	95.7	0.0474	
222	13C-PCB-179	2.04e5	0.77	NO	1.0415	1.000	37.62	37.64	0.909	0.909	NO	101.6	102	0.0412	
223	13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.87	96.7	0.0487	
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	0.7448	0.0258	0.7450	
225	Total Di-PCBs				1.0367	1.000	0.00	0.000			NO	3.084	0.152	3.084	
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	2.118	0.0847	2.118	
227	3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000			NO	4.003	0.161	4.003	
228	Total Tetra-PCBs				8.9910	1.000	0.00	0.000			NO	10.71	0.598	10.71	

#	Name	Prod RT	RT	nV Resp	n2 Resp	1* Ratio (Prod)	RA	nV	EMPC	Conc.
1	32 PCB-54	27.48	27.48	2.066e3	2.425e3	0.770	0.85	NO	0.23700	0.23652
2	33 PCB-50	26.68	26.68	1.682e3	2.399e3	0.770	0.71	NO	0.29800	0.26892
3	34 PCB-53	28.37	28.36	1.872e3	2.205e3	0.770	0.85	NO	0.27800	0.27805
4	35 PCB-51	29.70	29.69	1.800e3	2.389e3	0.770	0.75	NO	0.28800	0.26897
5	36 PCB-45	30.15	30.14	1.544e3	1.917e3	0.770	0.81	NO	0.27800	0.27845
6	37 PCB-46	30.85	30.84	1.448e3	1.861e3	0.770	0.78	NO	0.27500	0.27531
7	38 PCB-52/60	31.14	31.14	3.921e3	4.809e3	0.770	0.82	NO	0.51700	0.51736
8	39 PCB-73	31.25	31.25	2.026e3	2.800e3	0.770	0.78	NO	0.22700	0.22696



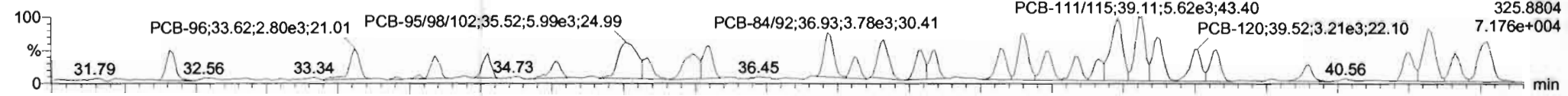
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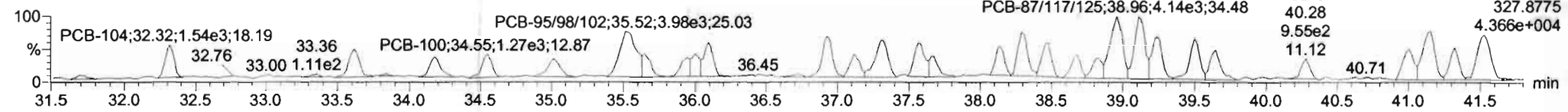
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**PCB-104**

201125K1\_1

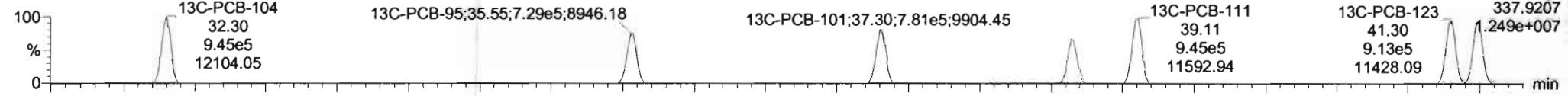


201125K1\_1

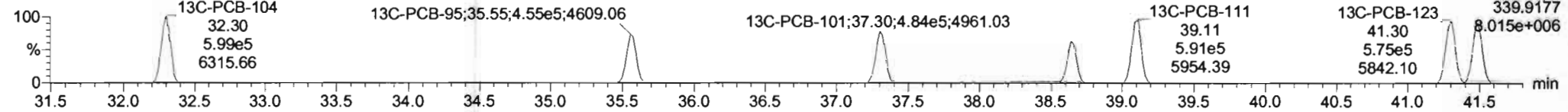


**13C-PCB-104**

201125K1\_1

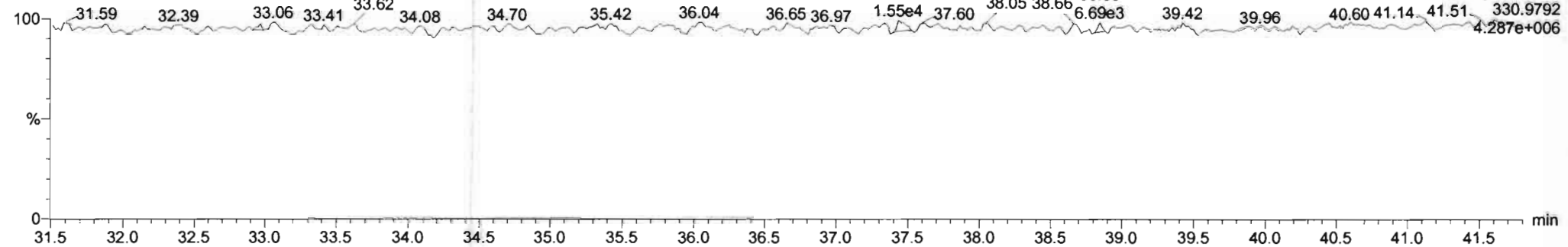


201125K1\_1



**PFK3b**

201125K1\_1



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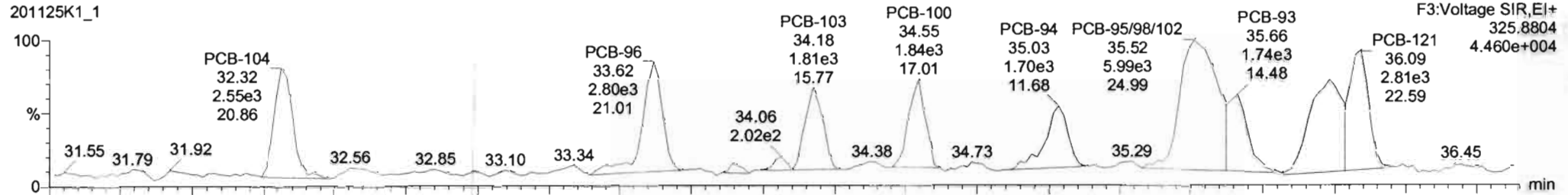
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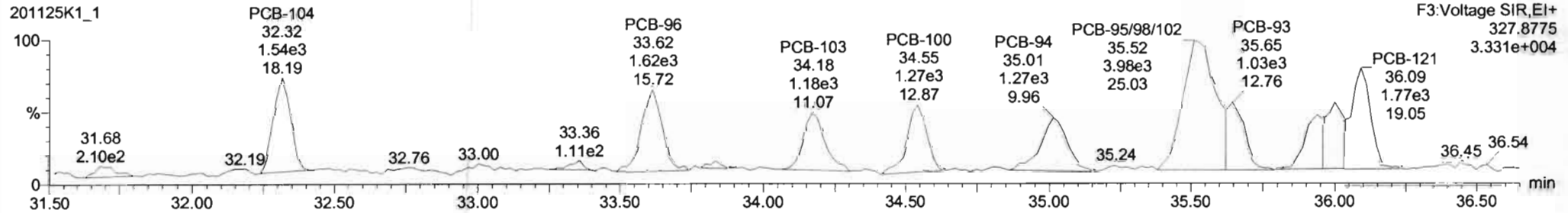
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**PCB-96**

201125K1\_1

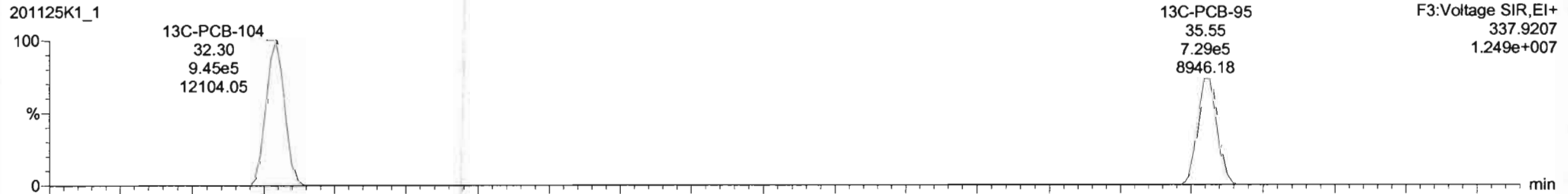


201125K1\_1

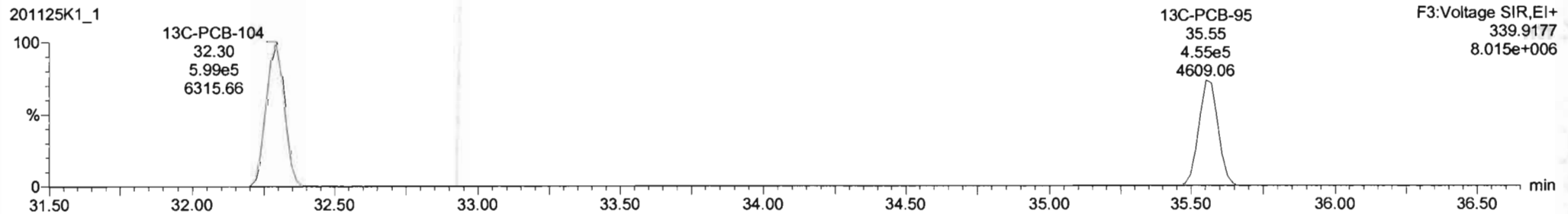


**13C-PCB-95**

201125K1\_1

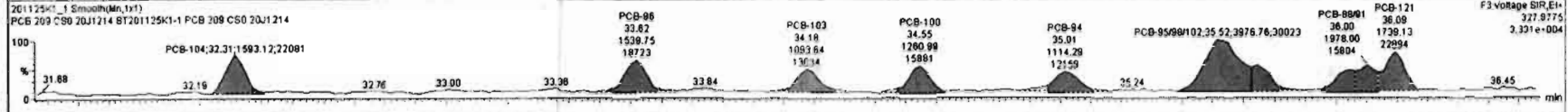
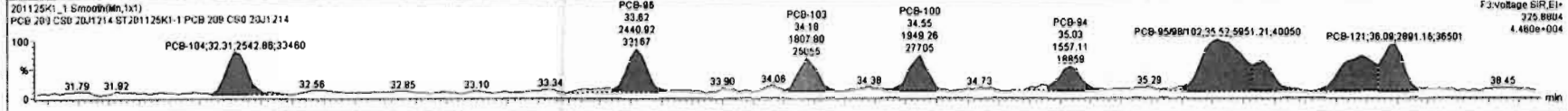


201125K1\_1



#	Name	Resp	RA	nly	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fal	Conc	%Rec	DL	EMPC
221	221 13C-PCB-178	8.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.988	0.989	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e6	0.77	NO	1.0415	1.000	37.63	37.64	0.968	0.968	NO	101.8	102	0.0412	
223	223 13C-PCB-178	8.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.87	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.00	0.000	0.000	NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.00	0.000	0.000	NO	3.894		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.00	0.000	0.000	NO	2.118		0.0847	2.118
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00	0.00	0.000	0.000	NO	4.003		0.161	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.00	0.000	0.000	NO	10.71		0.559	10.71

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.32	32.31	2.543e3	1.593e3	1.560	1.80	NO	0.27300	0.27291
2	85 PCB-96	33.62	33.62	2.441e3	1.540e3	1.560	1.59	NO	0.26200	0.26245
3	86 PCB-103	34.17	34.18	1.808e3	1.094e3	1.560	1.85	NO	0.24400	0.24421
4	87 PCB-100	34.54	34.55	1.949e3	1.261e3	1.560	1.55	NO	0.25900	0.25940
5	88 PCB-94	35.03	35.03	1.567e3	1.114e3	1.560	1.40	NO	0.27200	0.27164
6	69 PCB-95/98/102	35.50	35.52	5.851e3	3.977e3	1.560	1.50	NO	0.28200	0.28213
7	70 PCB-83	35.65	35.67	1.717e3	1.002e3	1.560	1.71	NO	0.30200	0.30173
8	71 PCB-89/91	35.90	35.90	3.338e3	1.976e3	1.560	1.89	NO	0.48300	0.48325

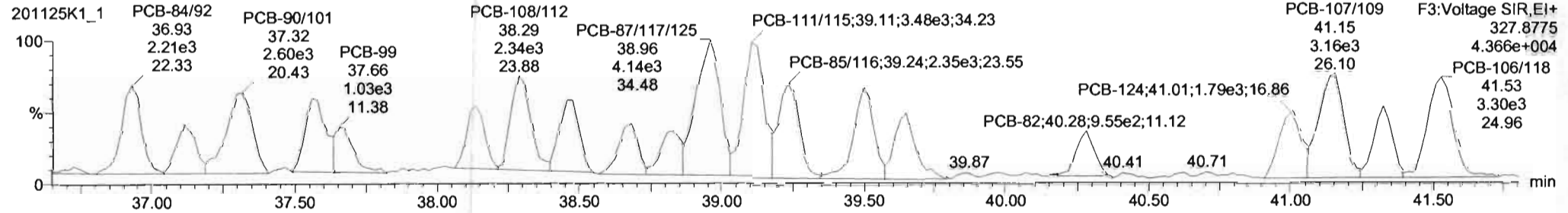
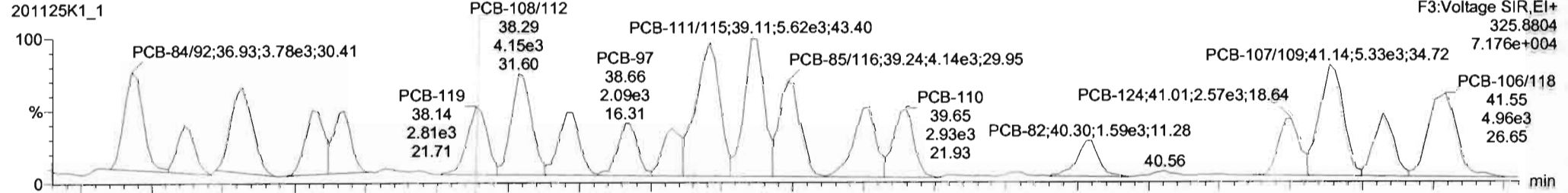


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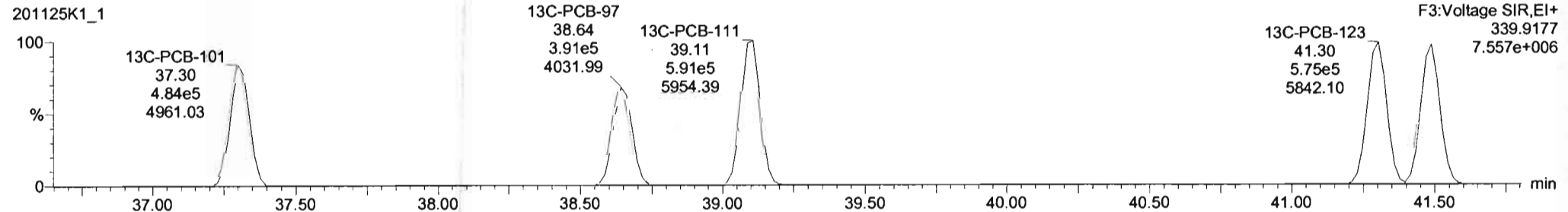
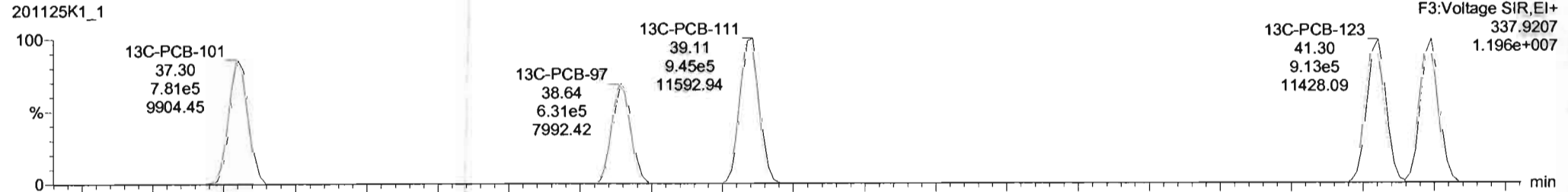
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

**PCB-119**

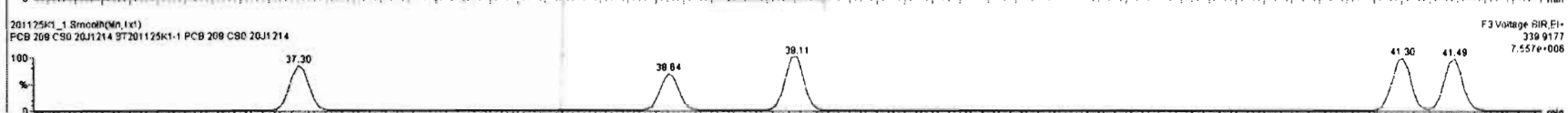
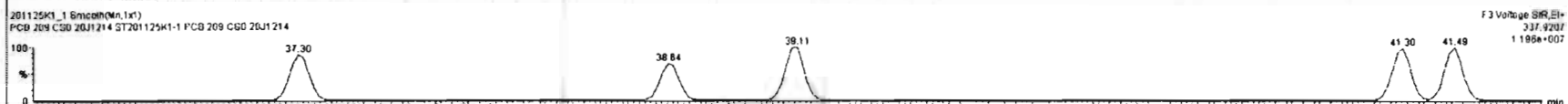
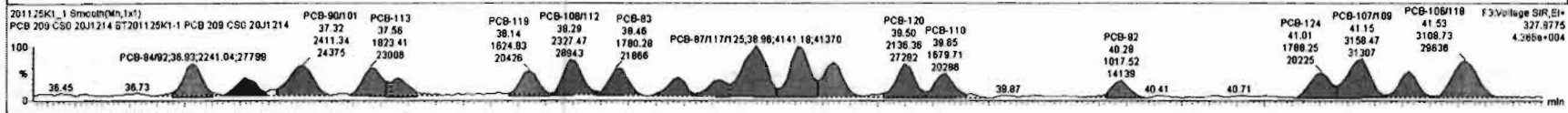
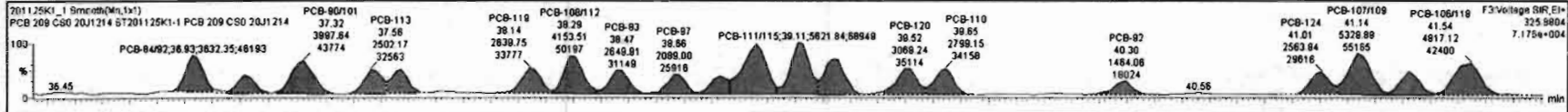


**13C-PCB-111**



#	Name	Resp	RA	n/y	RRF	wAve	Pred.RT	RT	Pred.R...	RRF	RRT Fail	Conc.	%Rec	DL	EMPC
221	221 13C-PCB-178	0.05e5	0.45	NO	0.7744	1.000	45.72	45.73	0.990	0.990	NO	95.67	95.7	0.0474	
222	222 13C-PCB-79	2.04e8	0.77	NO	1.0415	1.000	37.63	37.64	0.968	0.968	NO	101.8	102	0.0412	
223	223 13C-PCB-178	0.05e5	0.45	NO	1.0180	1.000	45.71	45.73	0.923	0.923	NO	96.67	96.7	0.0487	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	0.7448		0.0259	0.7450
225	225 Total Di-PCBs				1.0267	1.000	0.00		0.000		NO	3.084		0.152	3.084
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	2.118		0.0947	2.118
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	4.003		0.181	4.003
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	10.71		0.559	10.71

#	Name	Pred.RT	RT	Int Resp	n2 Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.32	32.31	2.543e3	1.593e3	1.560	1.60	NO	0.27300	0.27291
2	65 PCB-96	33.62	33.62	2.441e3	1.540e3	1.560	1.58	NO	0.26200	0.26245
3	66 PCB-103	34.17	34.18	1.808e3	1.094e3	1.560	1.85	NO	0.24400	0.24421
4	67 PCB-100	34.54	34.55	1.948e3	1.261e3	1.560	1.55	NO	0.25800	0.25840
5	68 PCB-84	35.03	35.03	1.557e3	1.114e3	1.560	1.40	NO	0.27200	0.27184
6	69 PCB-95/96/102	35.50	35.52	5.951e3	3.977e3	1.560	1.50	NO	0.26300	0.26313
7	70 PCB-83	36.65	36.67	1.717e3	1.003e3	1.560	1.71	NO	0.30200	0.30173
8	71 PCB-86/81	36.98	36.98	3.328e3	1.978e3	1.560	1.69	NO	0.48300	0.48325
9	72 PCB-121	36.09	36.08	2.891e3	1.738e3	1.560	1.68	NO	0.26700	0.26700

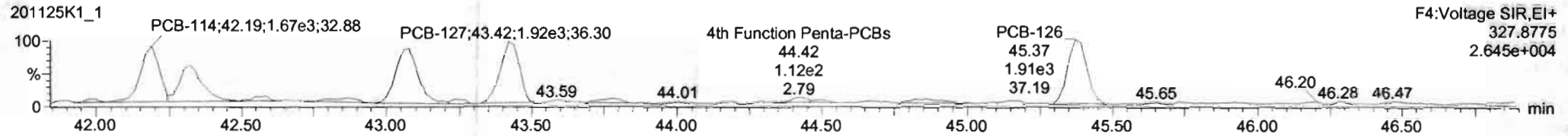
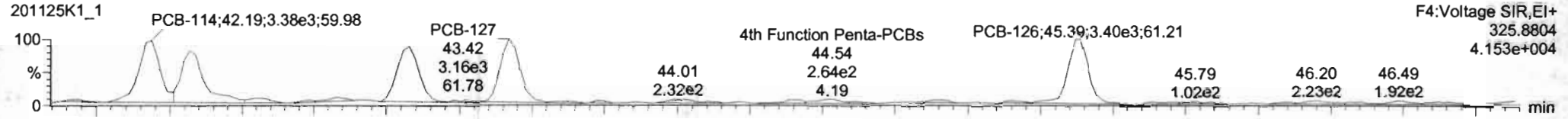


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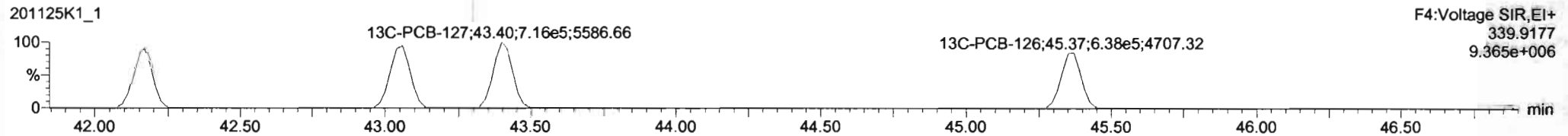
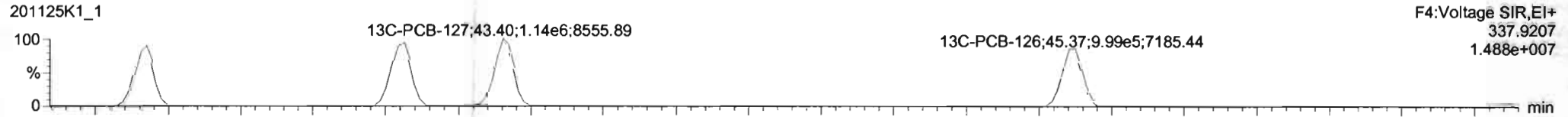
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

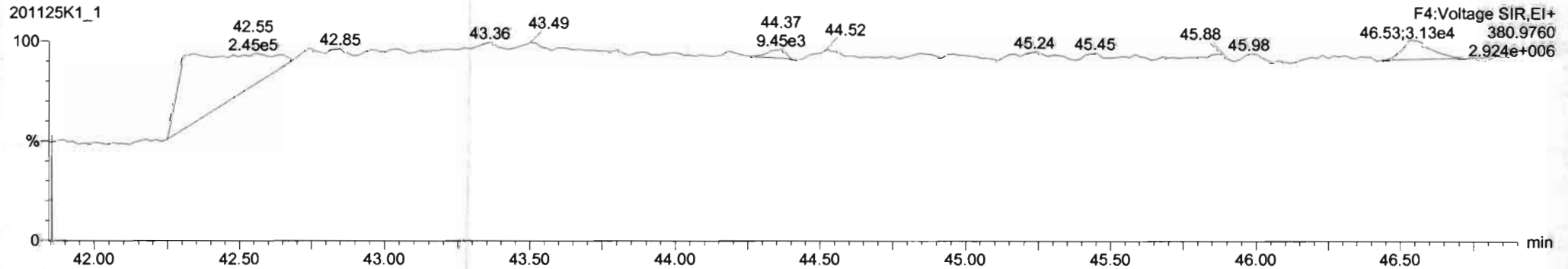
**PCB-114**



**13C-PCB-114**

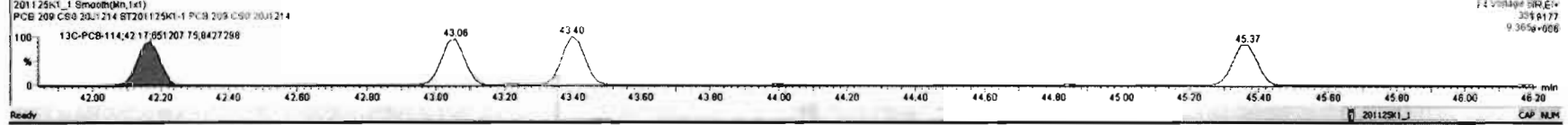
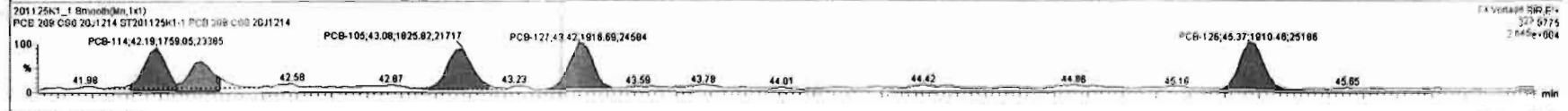


**PFK4a**



#	Name	Resp	RA	n/y	RRF	wAval	Pred RT	RT	Pred.R	RRT	RRT Fst	Conc.	%Rec	DL	EMPC
230	230 4th Function Pentra-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	3.806		0.344	3.806
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	7.316		0.390	7.316
233	233 Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	6.137		0.684	6.137
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00		0.000		NO	0.8026		0.0232	0.8030
236	236 Total Nona-PCBs				0.8671	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	237 Deca-CB				0.8627	1.000	0.00		0.000		NO	0.2918		0.00199	0.2920

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	93 PCB-114	42.19	42.19	3.152e3	1.759e3	1.580	1.79	NO	0.27000	0.26973
2	94 PCB-122	42.34	42.32	2.425e3	1.361e3	1.580	1.78	NO	0.24200	0.24233
3	95 PCB-105	43.08	43.08	2.914e3	1.828e3	1.560	1.60	NO	0.25600	0.25822
4	96 PCB-127	43.42	43.42	3.100e3	1.817e3	1.560	1.62	NO	0.25600	0.25610
5	97 PCB-126	45.38	45.38	3.213e3	1.810e3	1.580	1.68	NO	0.27200	0.27196





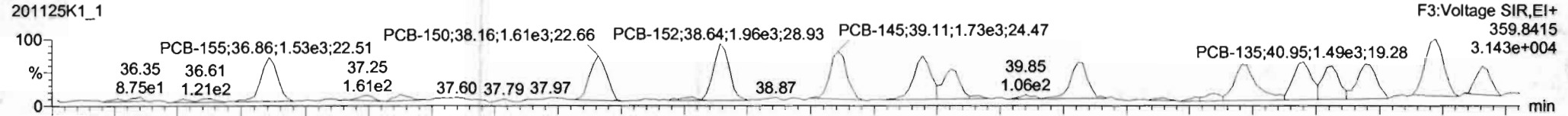
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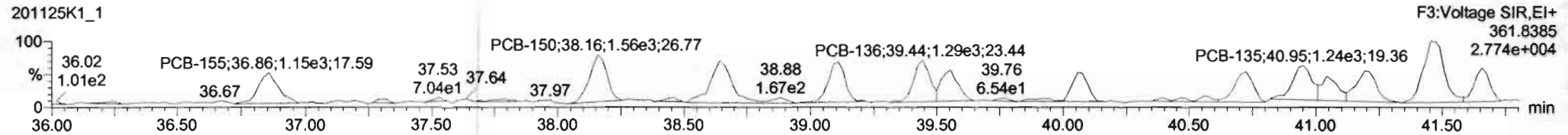
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**PCB-155**

201125K1\_1

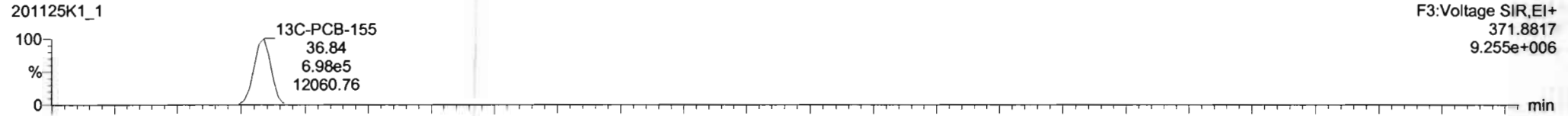


201125K1\_1

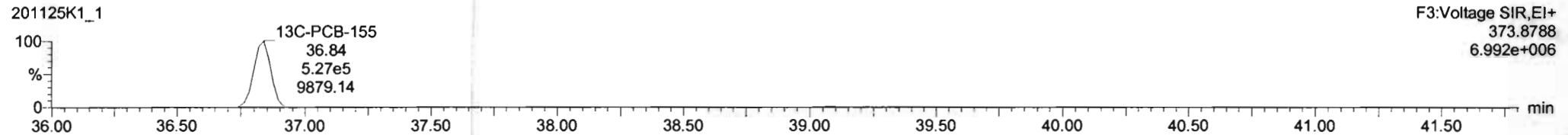


**13C-PCB-155**

201125K1\_1

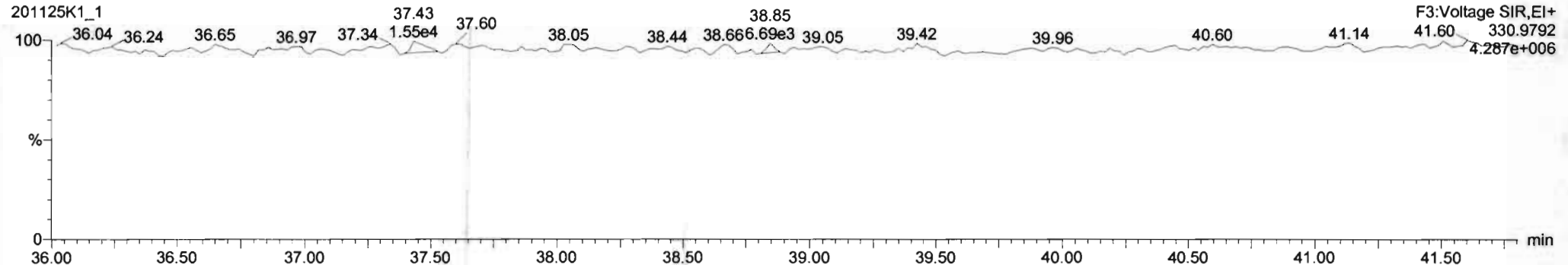


201125K1\_1



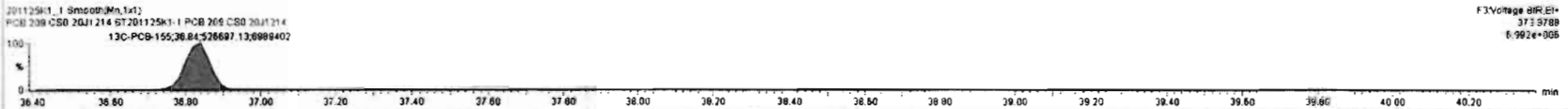
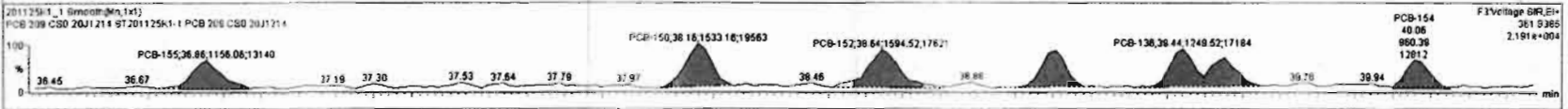
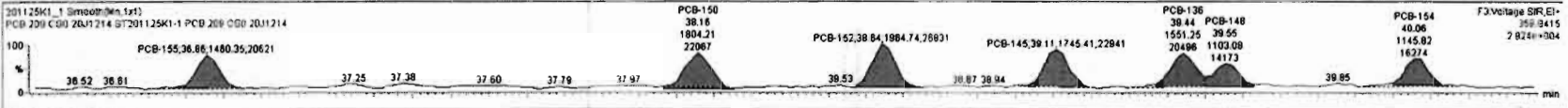
**PFK3c**

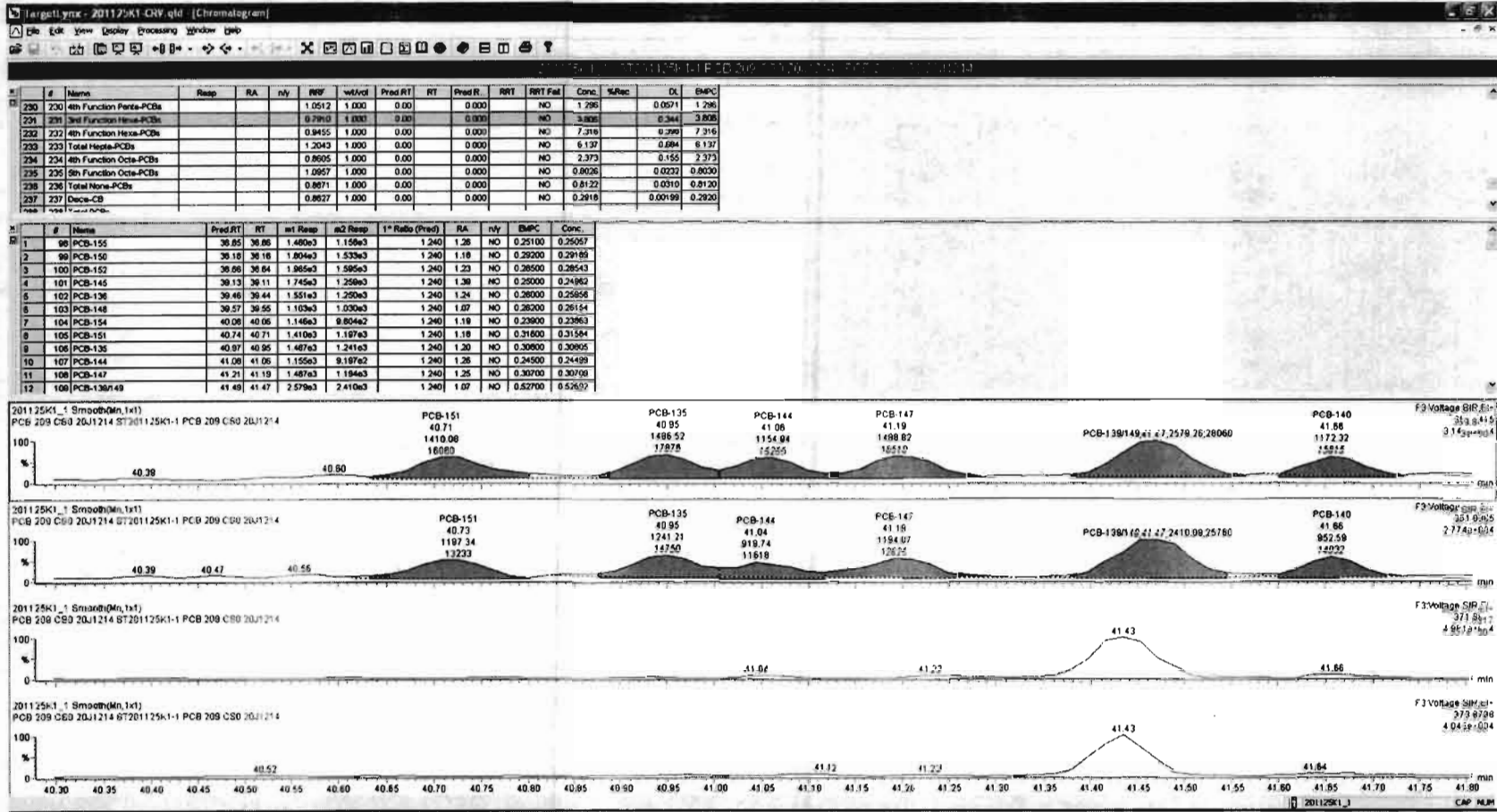
201125K1\_1



#	Name	Resp	RA	rvf	RWF	wfwt	Prod RT	RT	Prod.R	RRT	RRT Std	Conc	RMsc	DL	EMPC
230	4th Function Para-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	3rd Function Hepta-PCBs				0.7956	1.000	0.00		0.000		NO	3.836		0.344	3.836
232	4th Function Hepta-PCBs				0.9455	1.000	0.00		0.000		NO	7.316		0.396	7.316
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	6.137		0.694	6.137
234	4th Function Octa-PCBs				0.8606	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	5th Function Octa-PCBs				1.0957	1.000	0.00		0.000		NO	0.8026		0.0232	0.8030
236	Total Nona-PCBs				0.8671	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	Deca-CB				0.8527	1.000	0.00		0.000		NO	0.2918		0.00189	0.2920

#	Name	Prod RT	RT	wt Resp	m2 Resp	1* Ratio (Prod)	RA	rvf	EMPC	Conc
1	90 PCB-155	36.85	36.86	1.480e3	1.156e3	1.240	1.26	NO	0.25100	0.25057
2	90 PCB-150	38.18	38.16	1.804e3	1.530e3	1.240	1.18	NO	0.29200	0.29169
3	100 PCB-152	38.86	38.84	1.985e3	1.595e3	1.240	1.23	NO	0.28500	0.28543
4	101 PCB-145	38.13	38.11	1.745e3	1.259e3	1.240	1.38	NO	0.25000	0.24982
5	102 PCB-136	38.46	38.44	1.551e3	1.250e3	1.240	1.24	NO	0.26000	0.25956
6	103 PCB-148	38.67	38.55	1.103e3	1.030e3	1.240	1.07	NO	0.26200	0.26154
7	104 PCB-154	40.06	40.06	1.146e3	9.894e2	1.240	1.19	NO	0.23600	0.23663
8	105 PCB-151	40.74	40.71	1.410e3	1.187e3	1.240	1.18	NO	0.31600	0.31584
9	106 PCB-135	40.97	40.95	1.487e3	1.261e3	1.240	1.20	NO	0.30800	0.30805
10	107 PCB-144	41.08	41.08	1.155e3	8.187e2	1.240	1.28	NO	0.24500	0.24498
11	108 PCB-147	41.21	41.19	1.487e3	1.194e3	1.240	1.25	NO	0.30700	0.30708



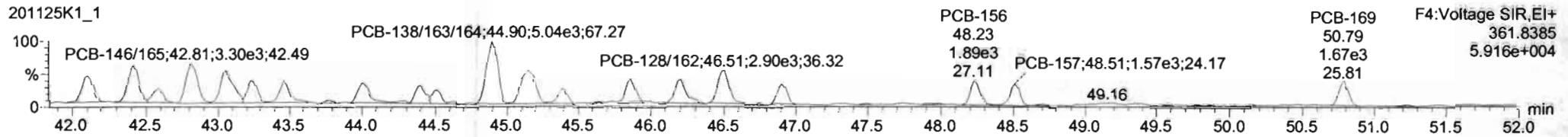
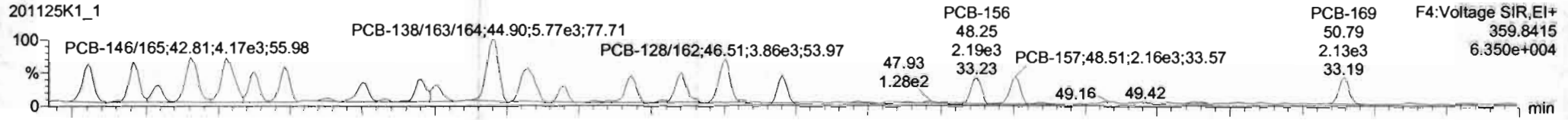


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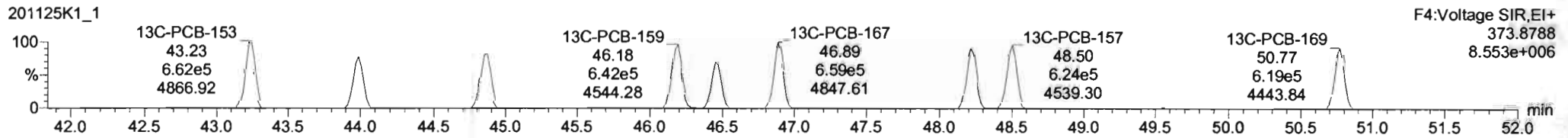
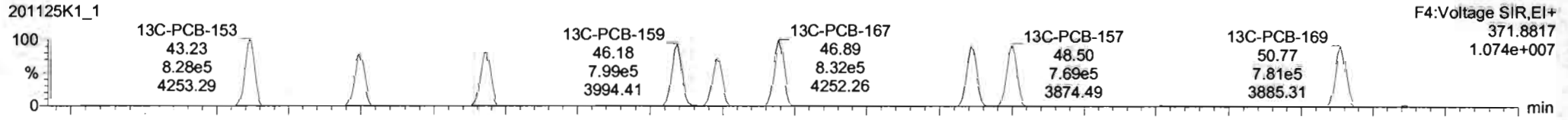
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

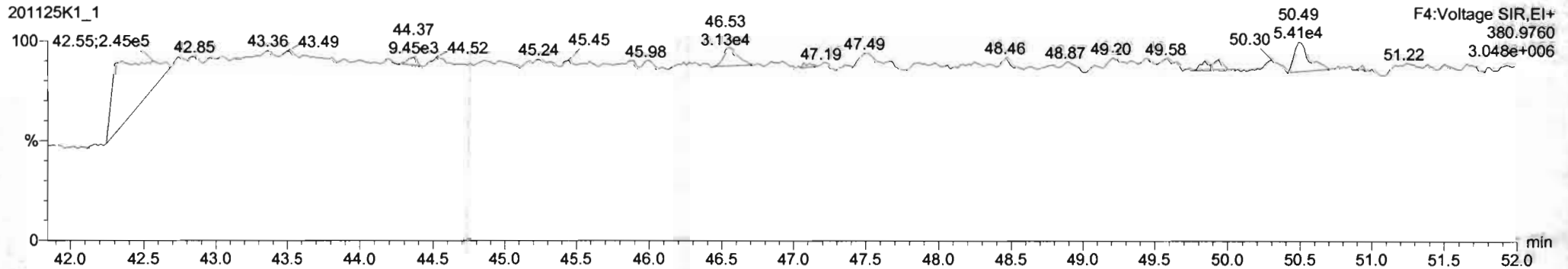
**PCB-134/143**

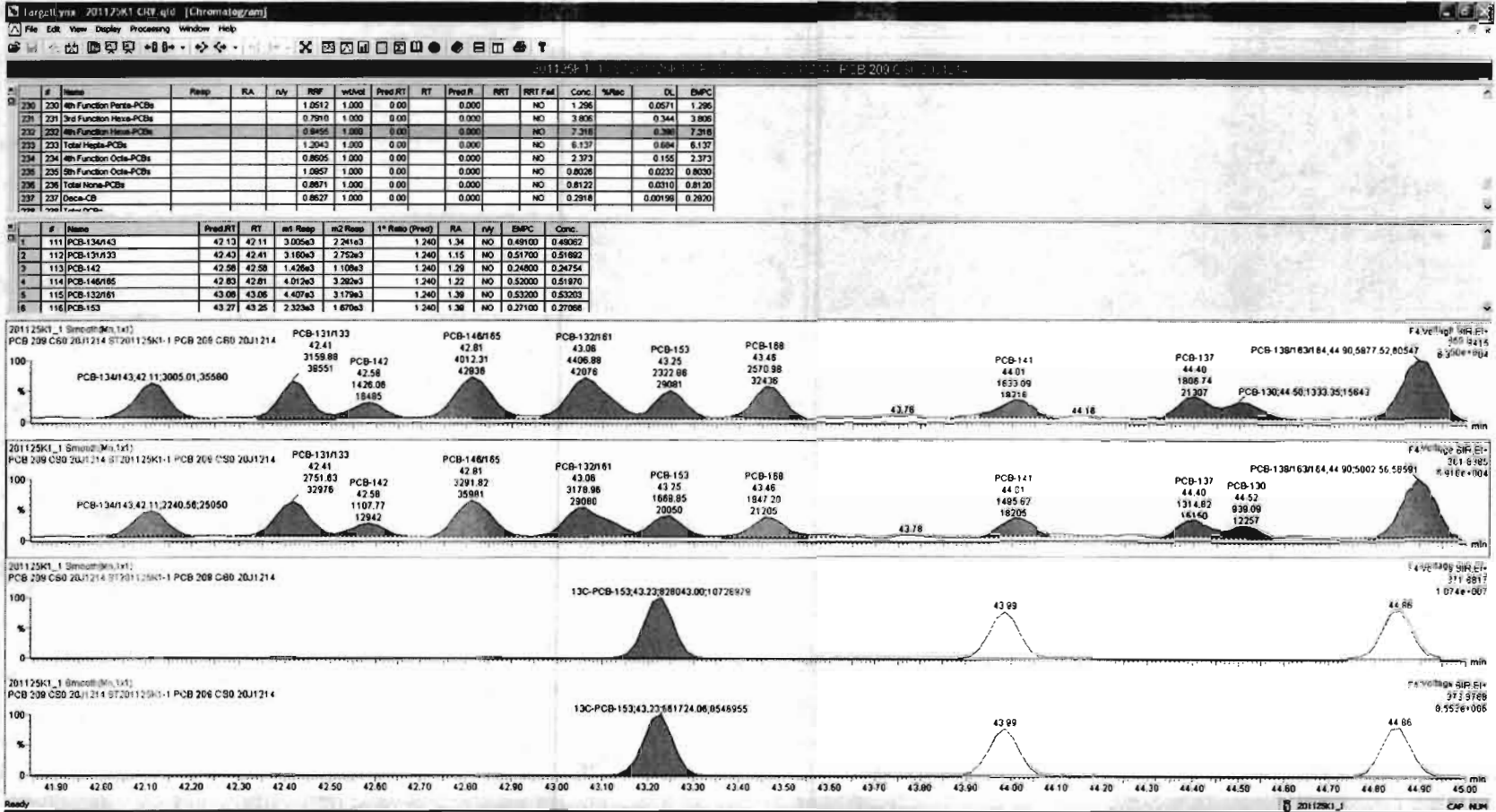


**13C-PCB-153**



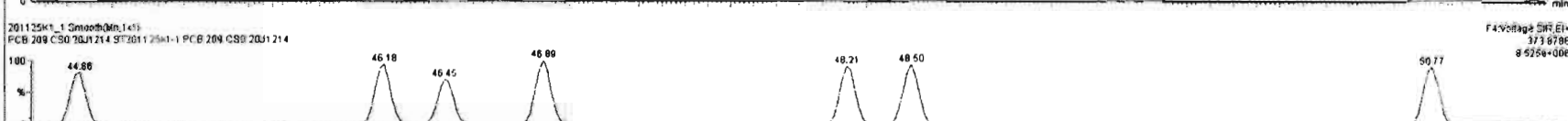
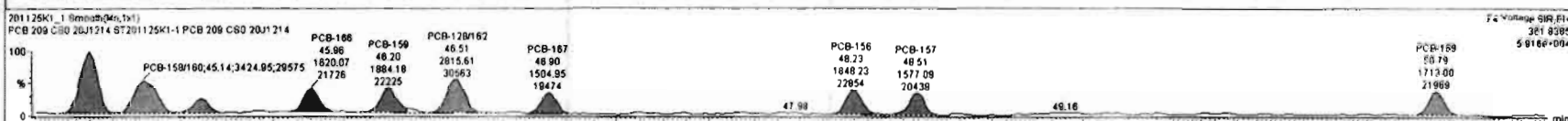
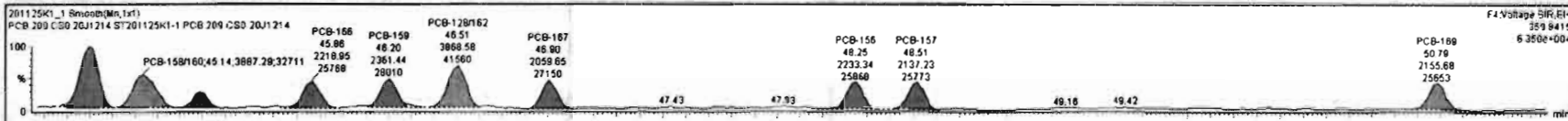
**PFK4b**





#	Name	Resp	RA	n/y	RRF	wVol	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	BMP
230	230 4th Function Penta-PCBs				1.0512	1.000	0.000	0.000	0.000	NO	NO	1.290	0.0571	1.296	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.000	0.000	0.000	NO	NO	3.806	0.344	3.806	
232	232 4th Function Hexa-PCBs				0.9435	1.000	0.000	0.000	0.000	NO	NO	7.318	0.396	7.318	
233	233 Total Hepto-PCBs				1.2043	1.000	0.000	0.000	0.000	NO	NO	6.137	0.684	6.137	
234	234 4th Function Octa-PCBs				0.8635	1.000	0.000	0.000	0.000	NO	NO	2.373	0.155	2.373	
235	235 5th Function Octa-PCBs				1.0957	1.000	0.000	0.000	0.000	NO	NO	0.8026	0.0232	0.8030	
236	236 Total Nona-PCBs				0.8671	1.000	0.000	0.000	0.000	NO	NO	0.8122	0.0310	0.8120	
237	237 Deca-CB				0.8627	1.000	0.000	0.000	0.000	NO	NO	0.2818	0.00198	0.2820	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	BMP	Conc
1	111 PCB-134/143	42.13	42.11	3.005e3	2.241e3	1.240	1.34	NO	0.49100	0.49062
2	112 PCB-131/133	42.43	42.41	3.180e3	2.752e3	1.240	1.15	NO	0.51700	0.51682
3	113 PCB-142	42.58	42.58	1.426e3	1.108e3	1.240	1.28	NO	0.24800	0.24754
4	114 PCB-146/165	42.83	42.81	4.012e3	3.292e3	1.240	1.22	NO	0.53200	0.51970
5	115 PCB-132/161	43.08	43.06	4.407e3	3.178e3	1.240	1.38	NO	0.53200	0.53203
6	116 PCB-153	43.27	43.25	2.323e3	1.870e3	1.240	1.38	NO	0.27100	0.27088



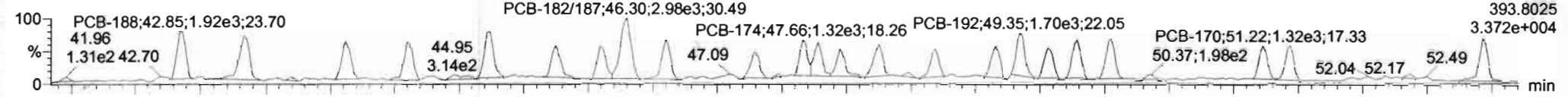
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

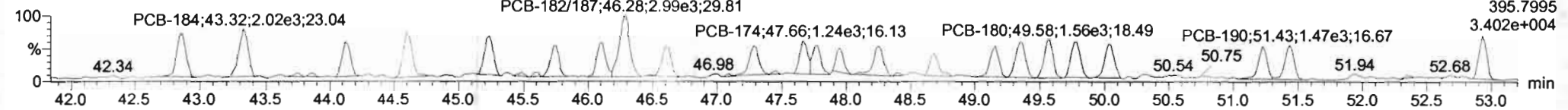
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**PCB-188**

201125K1\_1

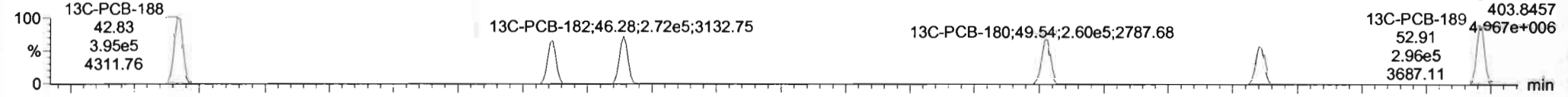


201125K1\_1

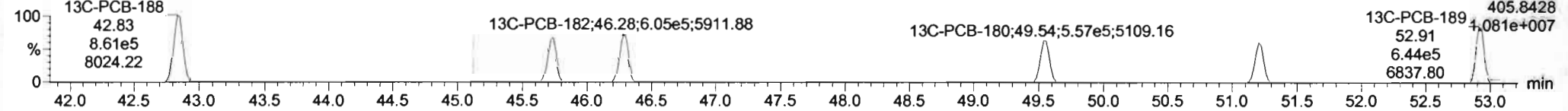


**13C-PCB-188**

201125K1\_1

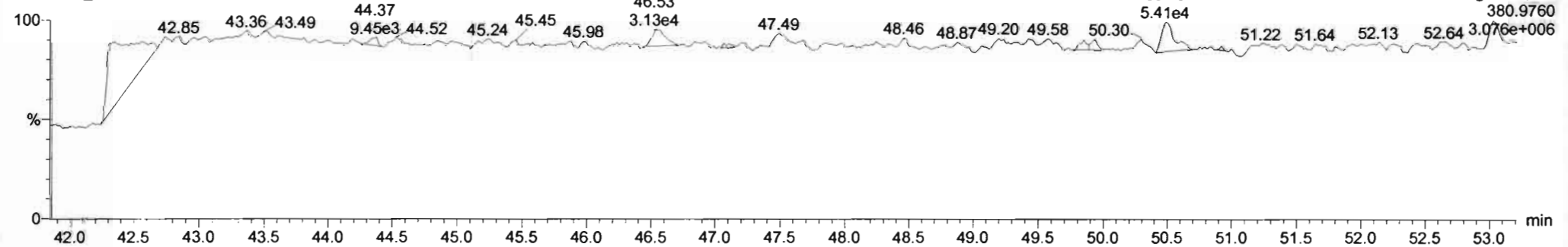


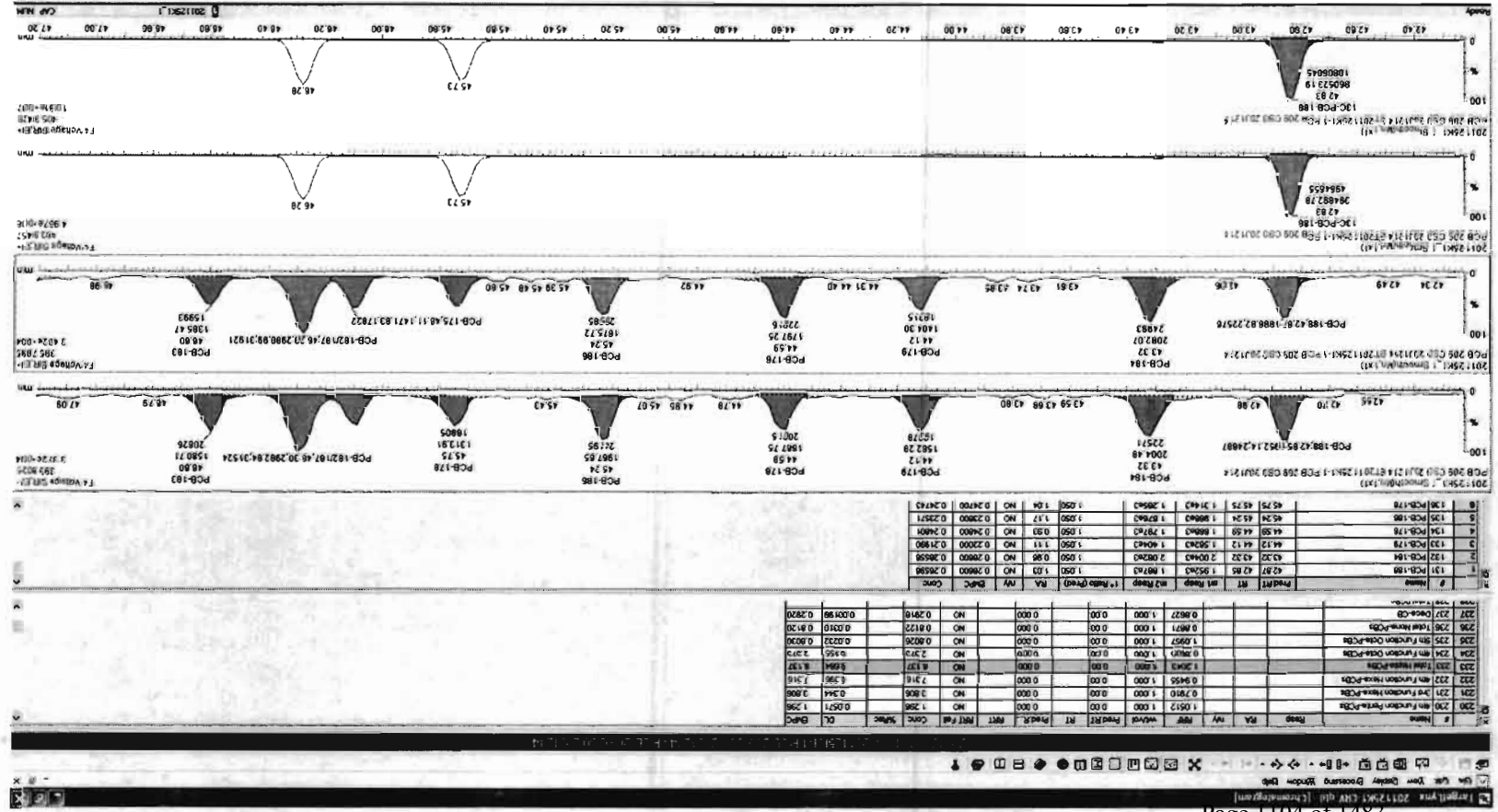
201125K1\_1



**PFK4c**

201125K1\_1

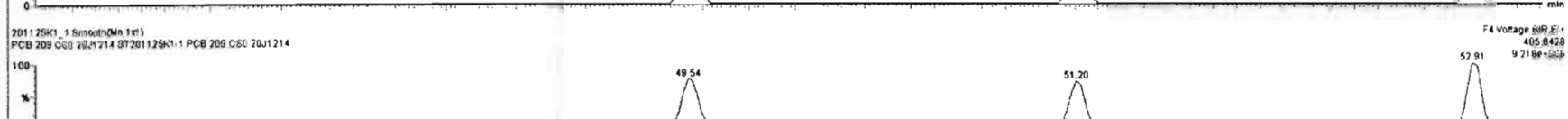
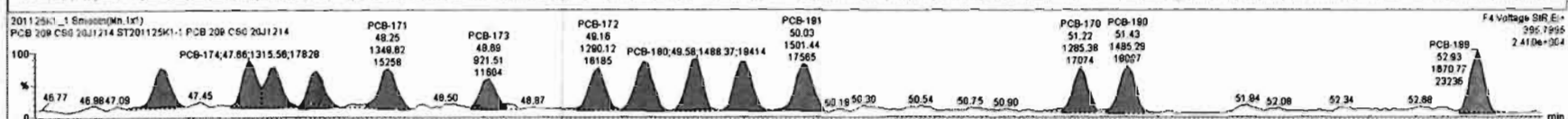
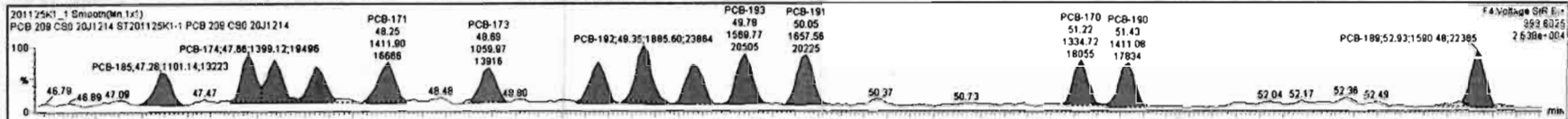






#	Name	Resp	RA	n/y	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	3.806		0.344	3.806
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	7.318		0.396	7.318
233	233 Total Hepta-PCBs				1.2063	1.000	0.00		0.000		NO	6.137		0.894	6.137
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	235 5th Function Octa-PCBs				1.0657	1.000	0.00		0.000		NO	0.8026		0.0232	0.8030
236	236 Total Nona-PCBs				0.8871	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	237 Deca-CD				0.8627	1.000	0.00		0.000		NO	0.2918		0.00199	0.2920

#	Name	Pred.RT	RT	wt Resp	nt Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc
1	131 PCB-188	42.87	42.85	1.952e3	1.887e3	1.050	1.03	NO	0.28600	0.28596
2	132 PCB-184	43.32	43.32	2.004e3	2.002e3	1.050	0.96	NO	0.28600	0.28558
3	133 PCB-179	44.12	44.12	1.562e3	1.404e3	1.050	1.11	NO	0.22000	0.21990
4	134 PCB-176	44.58	44.58	1.696e3	1.797e3	1.050	0.93	NO	0.24800	0.24801
5	135 PCB-186	45.24	45.24	1.866e3	1.878e3	1.050	1.17	NO	0.23900	0.23571
6	136 PCB-178	45.75	45.75	1.314e3	1.285e3	1.050	1.04	NO	0.24700	0.24743



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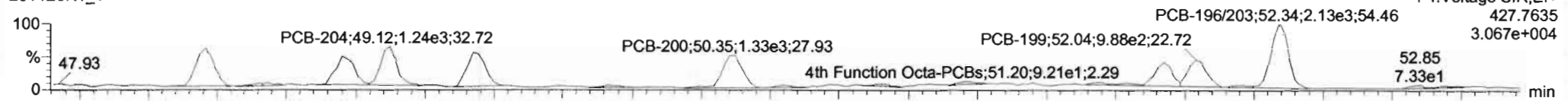
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

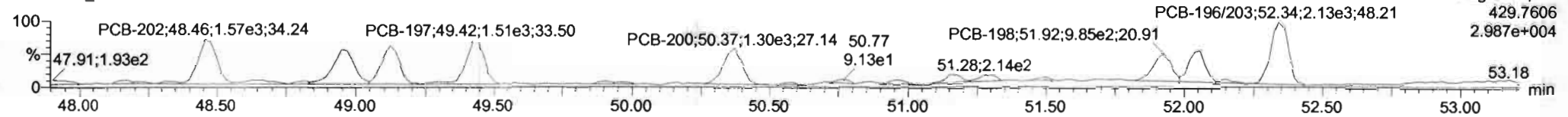
**PCB-202**

201125K1\_1



F4:Voltage SIR,EI+  
427.7635  
3.067e+004

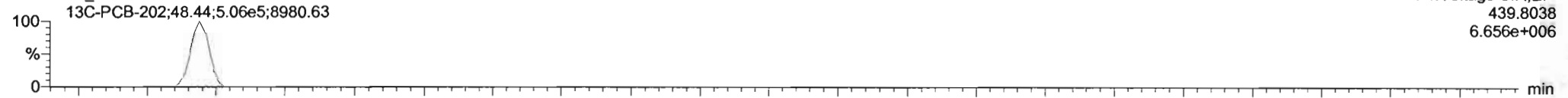
201125K1\_1



F4:Voltage SIR,EI+  
429.7606  
2.987e+004

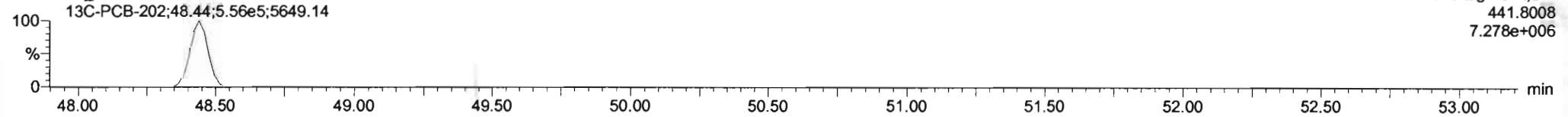
**13C-PCB-202**

201125K1\_1



F4:Voltage SIR,EI+  
439.8038  
6.656e+006

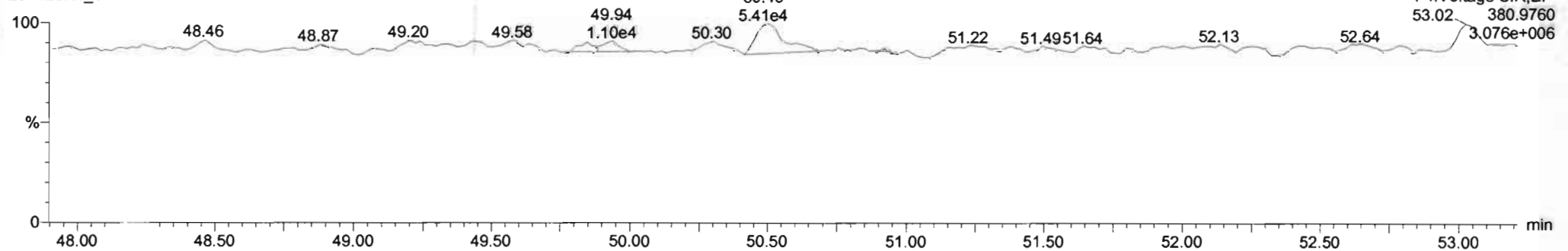
201125K1\_1



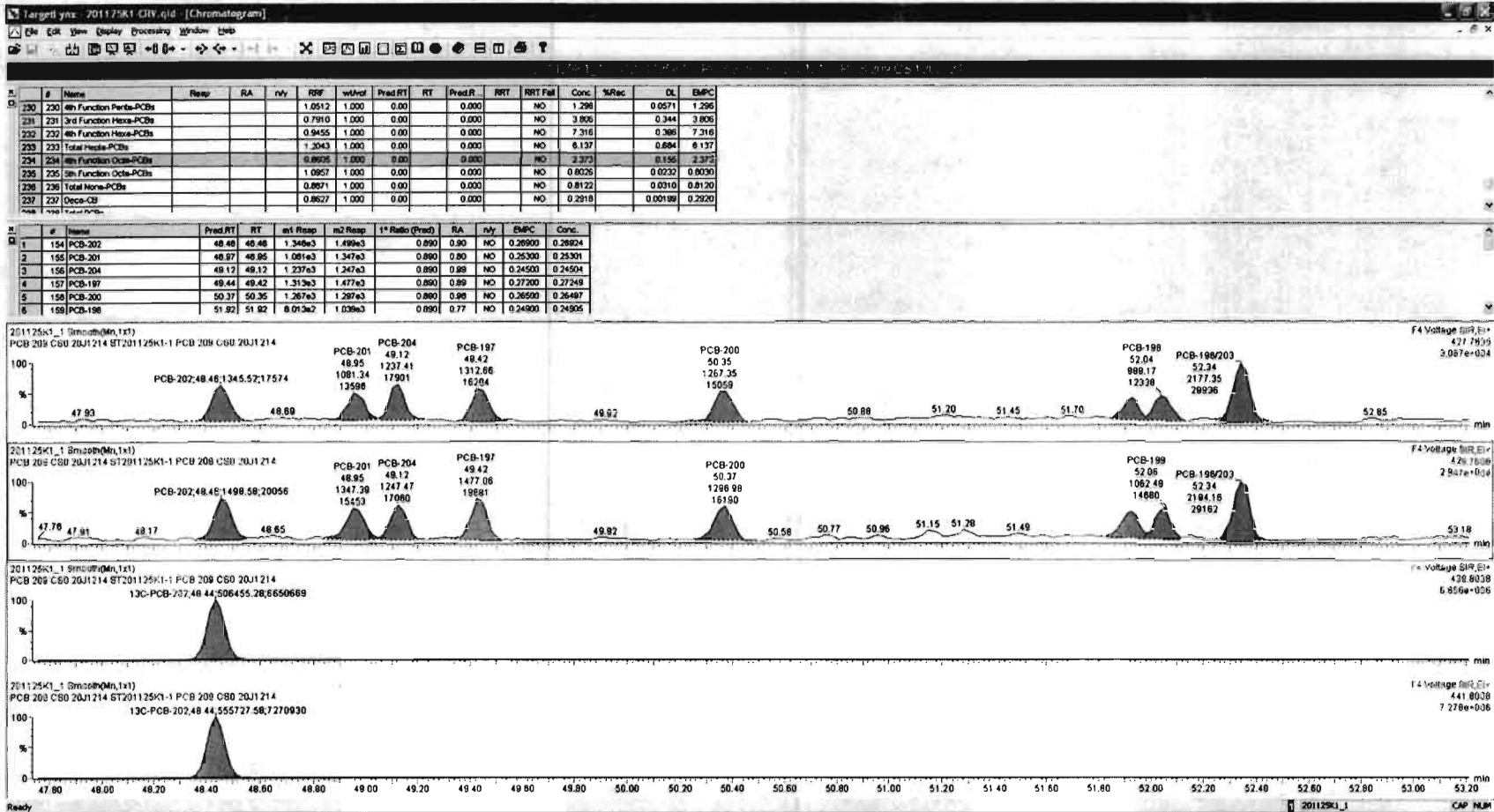
F4:Voltage SIR,EI+  
441.8008  
7.278e+006

**PFK4d**

201125K1\_1



F4:Voltage SIR,EI+  
53.02  
380.9760  
3.076e+006



Dataset: Untitled

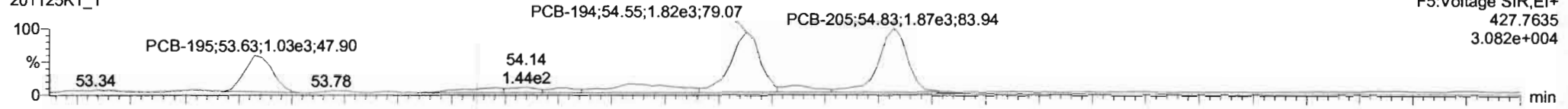
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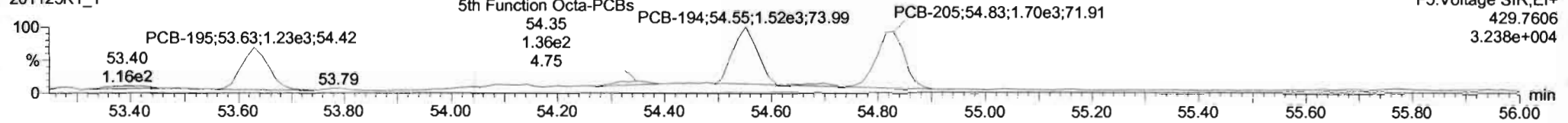
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**PCB-195**

201125K1\_1

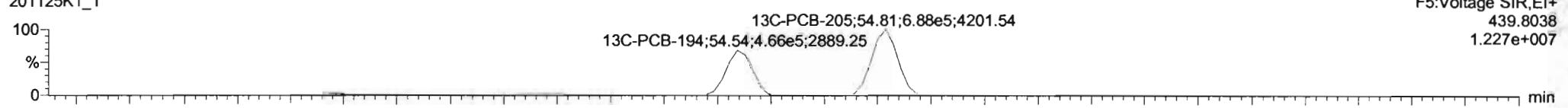


201125K1\_1

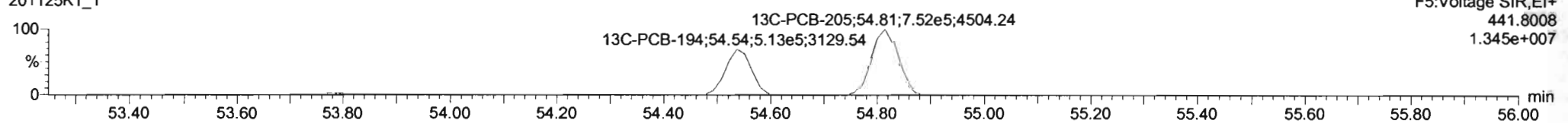


**13C-PCB-194**

201125K1\_1

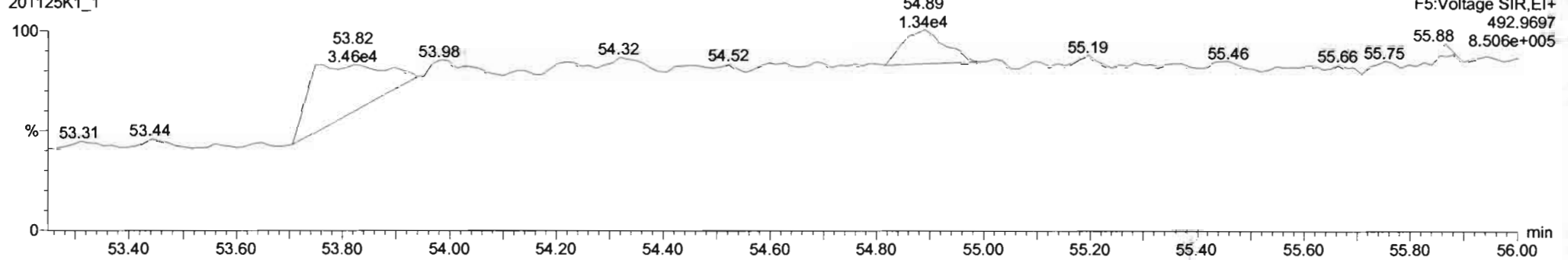


201125K1\_1



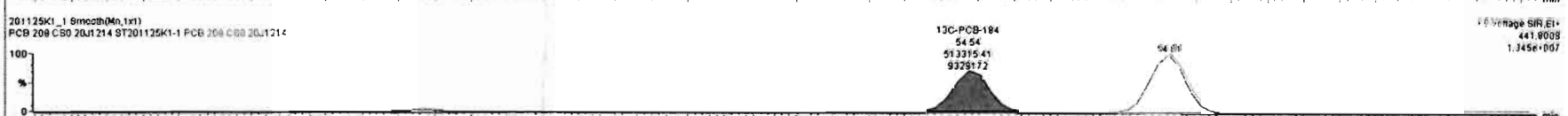
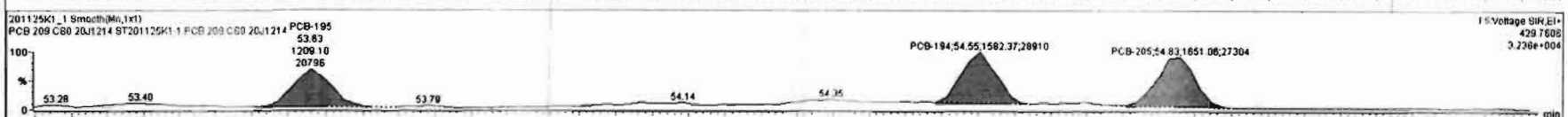
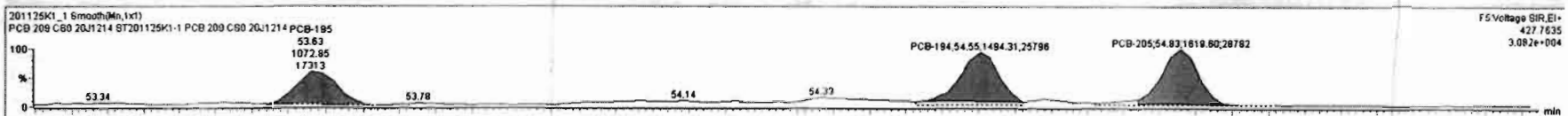
**PFK5a**

201125K1\_1



#	Name	Resp	RA	nly	RFF	wt/wt	Pred.RT	RT	Pred.R.	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
230	230	4th Function Penta-PCBs			1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	231	3rd Function Hexa-PCBs			0.7910	1.000	0.00		0.000		NO	3.806		0.344	3.806
232	232	4th Function Hexa-PCBs			0.9455	1.000	0.00		0.000		NO	7.316		0.396	7.316
233	233	Total Hepta-PCBs			1.2043	1.000	0.00		0.000		NO	6.137		0.684	6.137
234	234	4th Function Octa-PCBs			0.8605	1.000	0.00		0.000		NO	2.373		0.155	2.373
235	235	5th Function Octa-PCBs			1.0957	1.000	0.00		0.000		NO	0.8026		0.0232	0.8030
236	236	Total Nona-PCBs			0.8871	1.000	0.00		0.000		NO	0.8122		0.0310	0.8120
237	237	Deca-CB			0.8627	1.000	0.00		0.000		NO	0.2918		0.00199	0.2920

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
1	162 PCB-195	53.64	53.63	1.073e3	1.209e3	0.890	0.69	NO	0.24300	0.24337
2	163 PCB-194	54.55	54.55	1.494e3	1.592e3	0.890	0.94	NO	0.29600	0.29614
3	164 PCB-205	54.83	54.83	1.620e3	1.651e3	0.890	0.99	NO	0.26300	0.26312

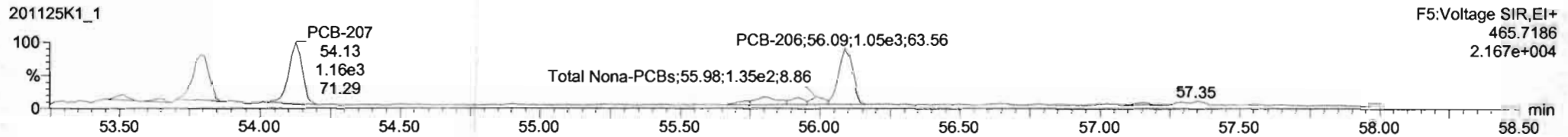
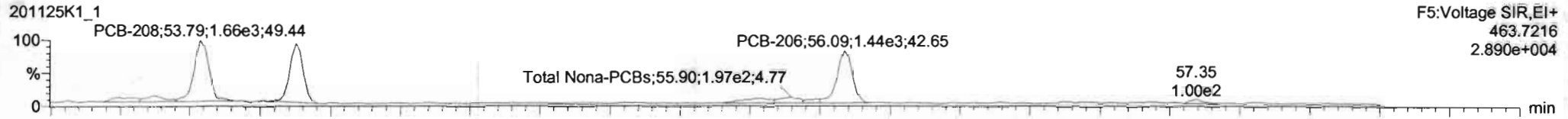


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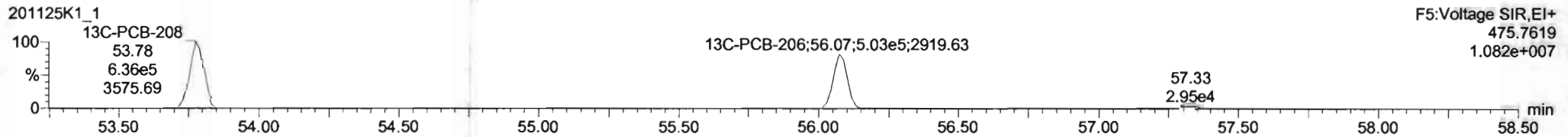
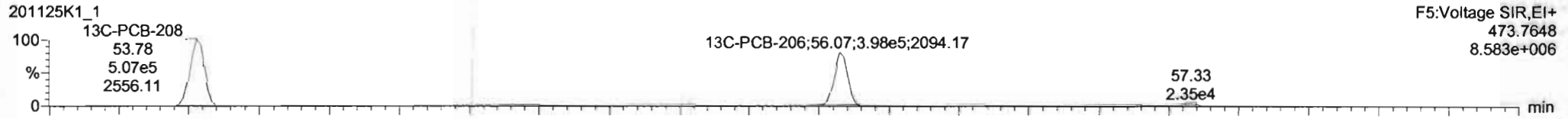
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Name: 201125K1\_1, Date: 25-Nov-2020, Time: 09:48:37, ID: ST201125K1-1 PCB 209 CS0 20J1214, Description: PCB 209 CS0 20J1214

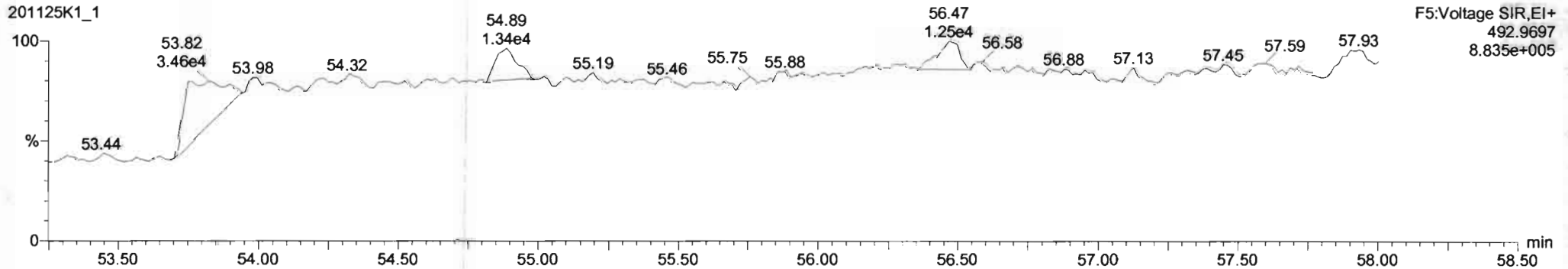
**PCB-208**



**13C-PCB-208**

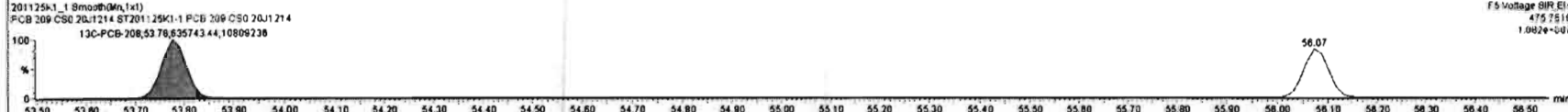
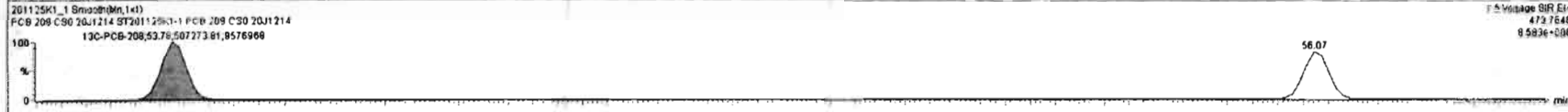


**PFK5**



#	Name	Resp	RA	n/y	R/R	wtAvef	Pred RT	RT	Pred.R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	1.296		0.0571	1.296
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	3.806		0.344	3.806
232	4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	7.316		0.366	7.316
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	6.137		0.664	6.137
234	4th Function Octa-PCBs				0.8605	1.000	0.00		0.000		NO	2.373		0.156	2.373
235	5th Function Octa-PCBs				1.0967	1.000	0.00		0.000		NO	0.8026		0.0222	0.8030
236	Total Nona-PCBs				0.8627	1.000	0.00		0.000		NO	0.8122		0.0210	0.8120
237	Deca-Cl				0.8627	1.000	0.00		0.000		NO	0.2918		0.00199	0.2920

#	Name	Pred RT	RT	m1 Resp	m2 Resp	** Ratio (Pred)	RA	n/y	EMPC	Conc.
1	165 PCB-208	53.79	53.79	1.489e3	9.991e2	1.340	1.48	NO	0.25300	0.26290
2	166 PCB-207	54.13	54.13	1.489e3	1.157e3	1.340	1.29	NO	0.27300	0.27254
3	167 PCB-208	56.09	56.09	1.405e3	1.053e3	1.340	1.33	NO	0.26700	0.26671



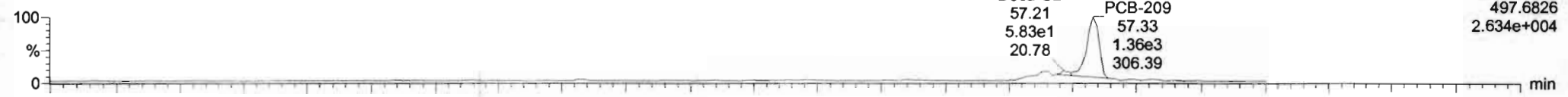
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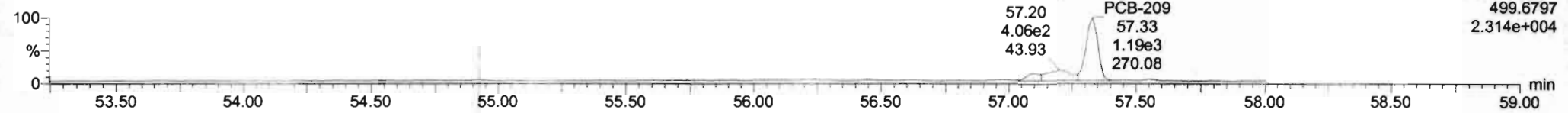
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**PCB-209**

201125K1\_1

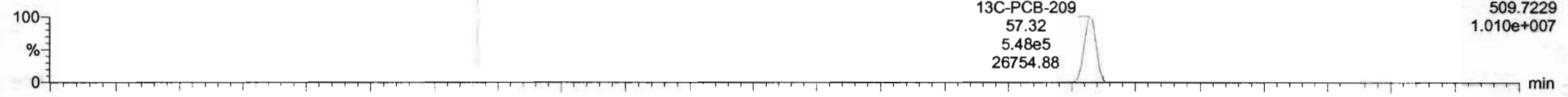


201125K1\_1

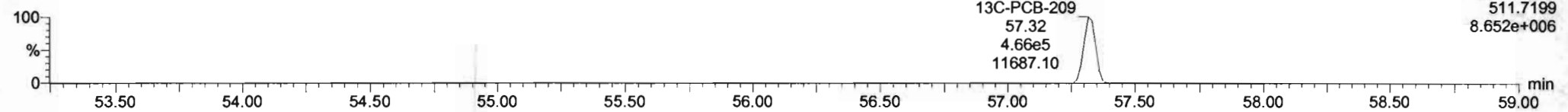


**13C-PCB-209**

201125K1\_1

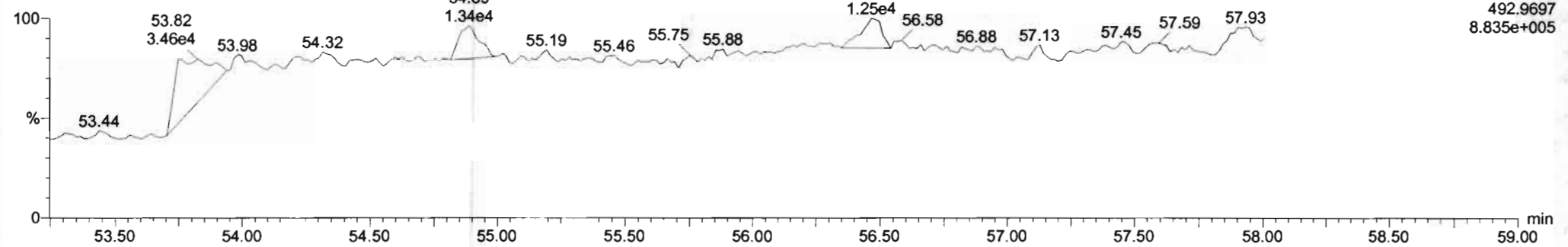


201125K1\_1

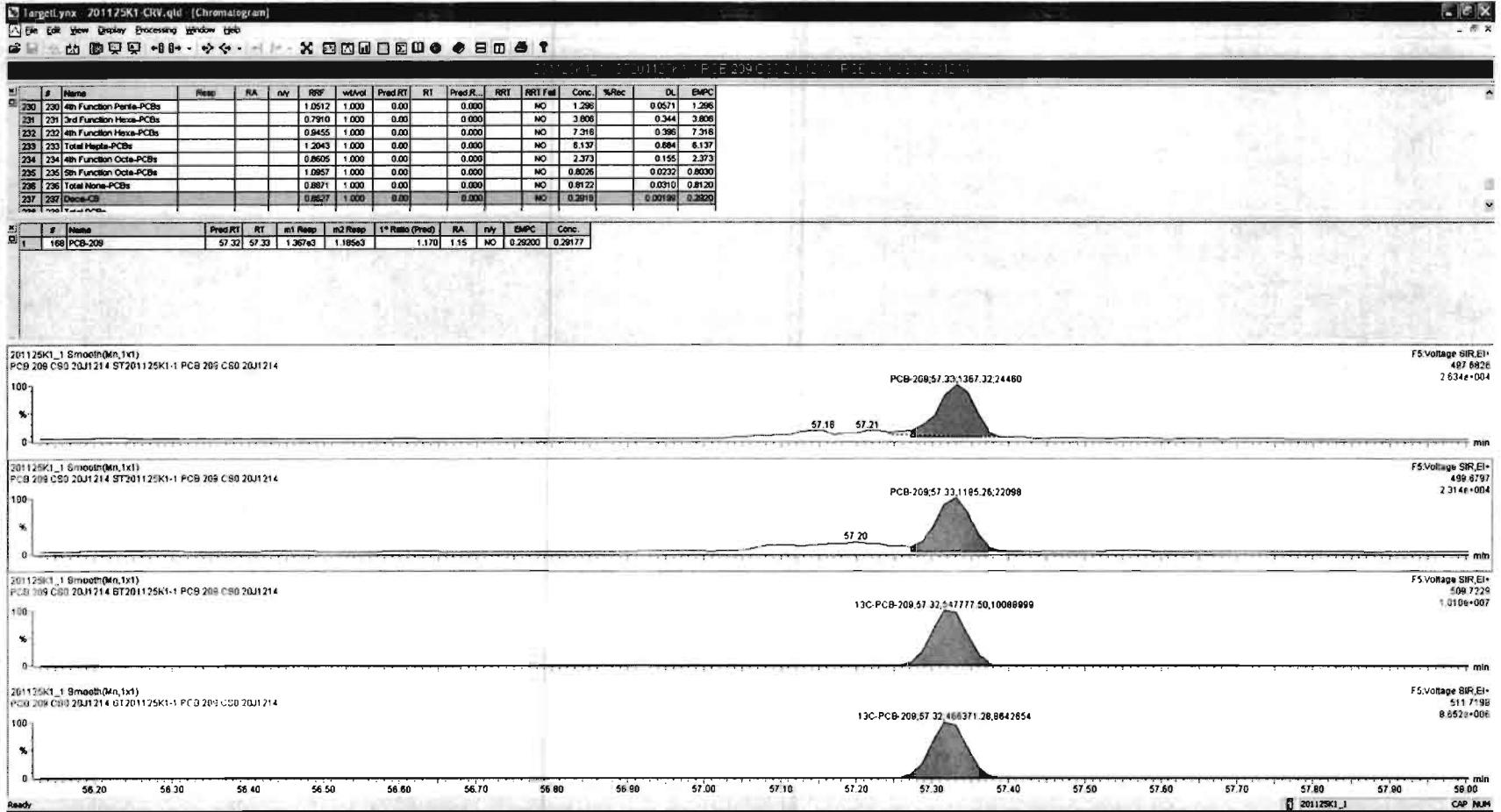


**PFK5b**

201125K1\_1







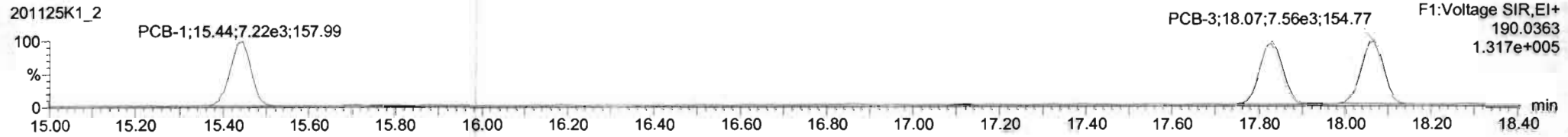
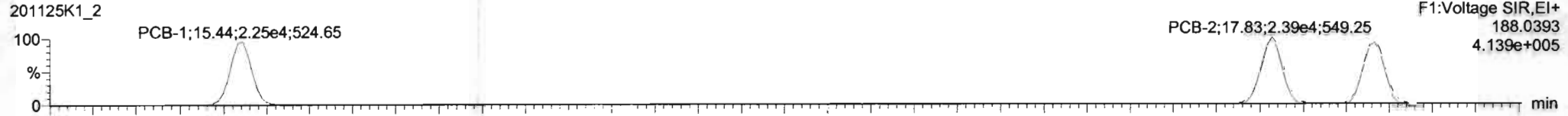
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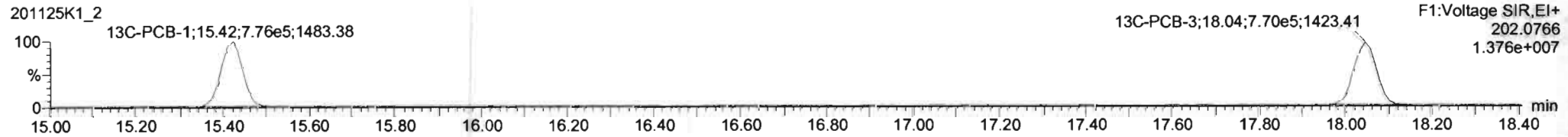
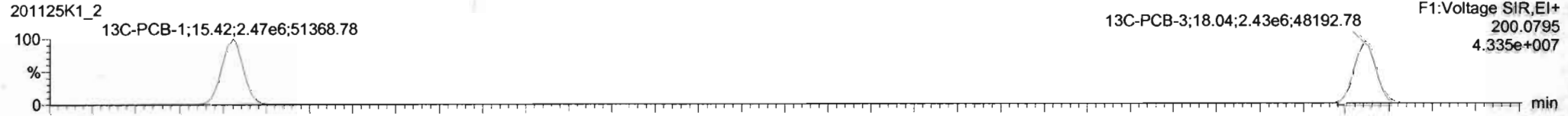
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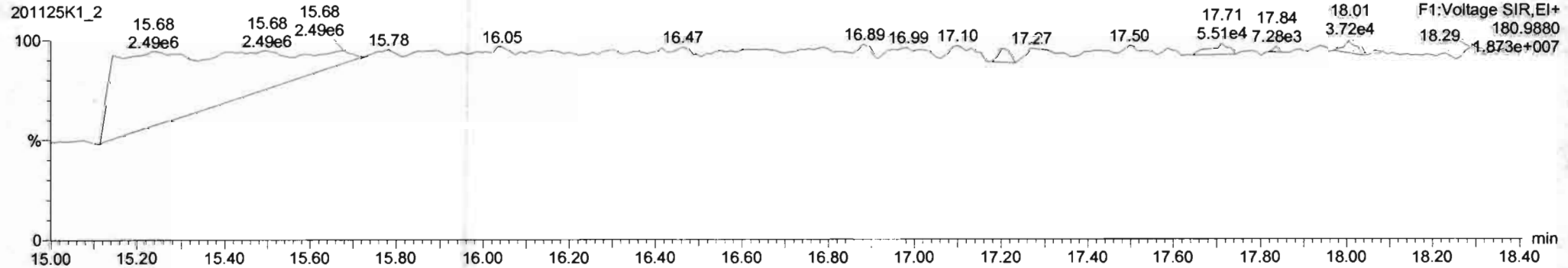
**PCB-1**



**13C-PCB-1**



**PFK1**

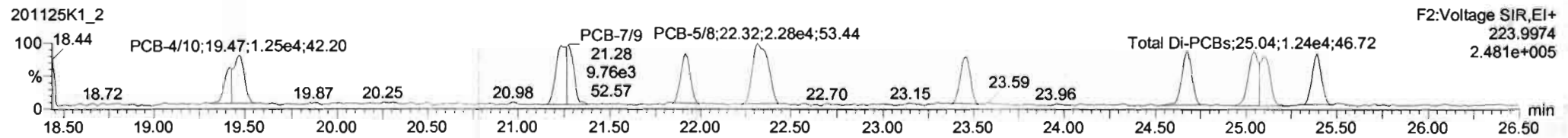
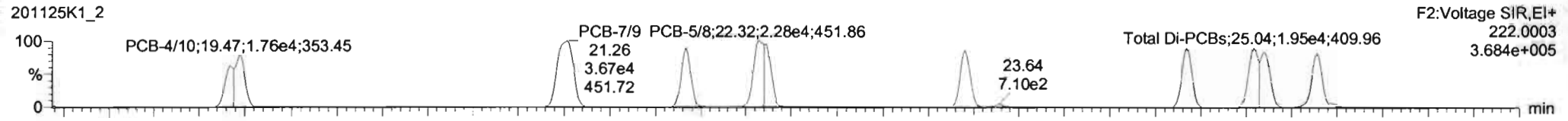


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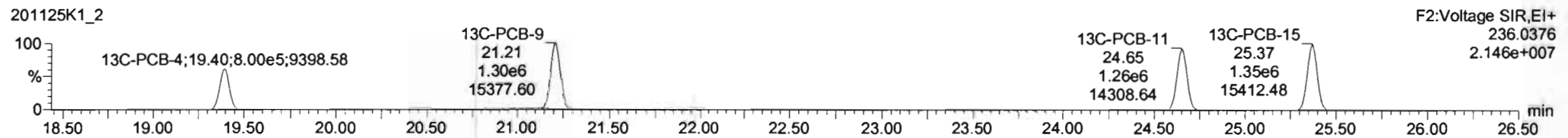
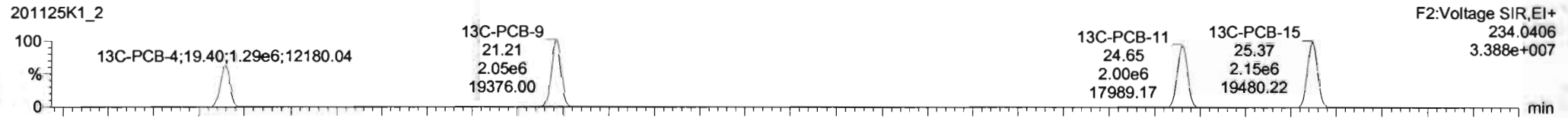
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

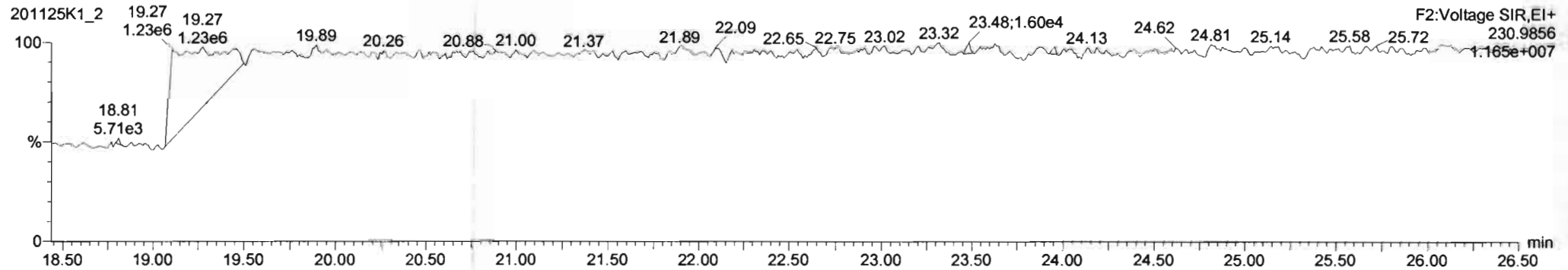
**PCB-4/10**



**13C-PCB-4**

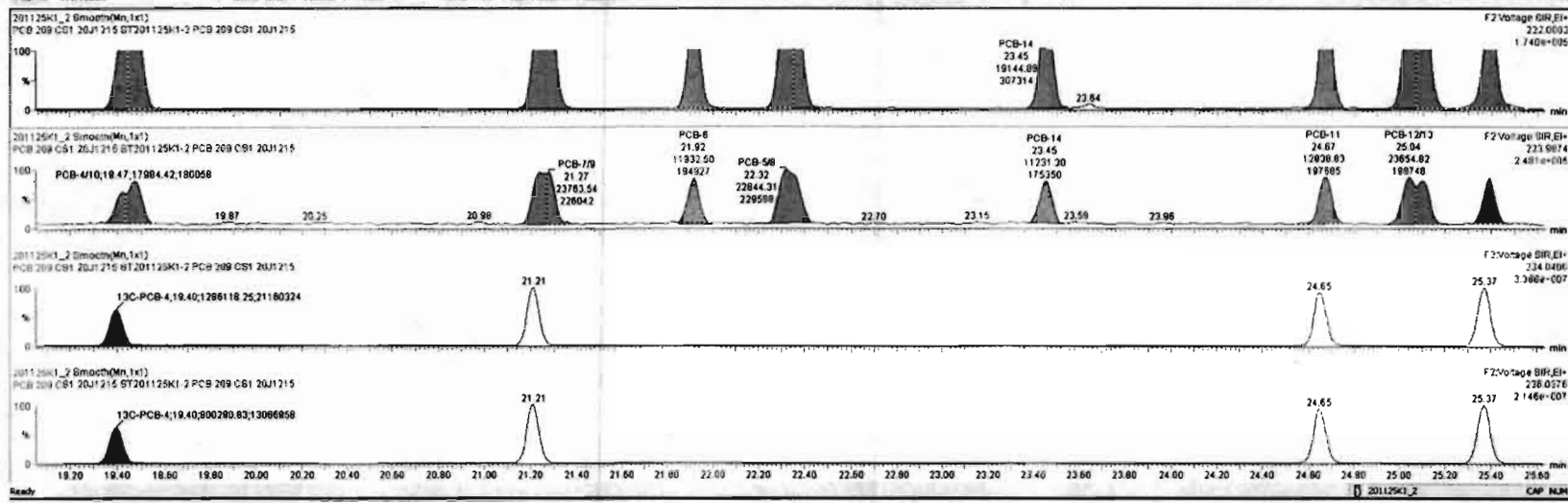


**PFK2a**



#	Name	Resp	RA	nly	RF	wt/Std	Prod RT	RT	Prod R	RTI	RTI Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	2.29e5	0.78	NO	1.0415	1.000	37.63	37.62	0.999	0.987	NO	100.7	101	0.0308	
223	13C-PCB-178	9.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.922	0.922	NO	104.2	104	0.0292	
224	Total Mono-PCBs				1.0004	1.000	0.00	0.000			NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0387	1.000	0.00	0.000			NO	11.22		0.199	11.22
226	2nd Function Tri-PCBs				0.8434	1.000	0.00	0.000			NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.8687	1.000	0.00	0.000			NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.9810	1.000	0.00	0.000			NO	38.12		0.233	38.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	37.67		0.302	37.67

#	Name	Prod RT	RT	wt Resp	n2 Resp	1* Ratio (Prod)	RA	nly	EMPC	Conc.
4	PCB-4/10	19.48	19.47	2.900e4	1.790e4	1.560	1.61	NO	1.8650	1.8651
5	PCB-7/9	21.27	21.26	3.687e4	2.378e4	1.560	1.54	NO	1.9230	1.9226
6	PCB-6	21.92	21.92	1.825e4	1.180e4	1.560	1.61	NO	0.90500	0.90471
7	PCB-5/8	22.32	22.32	3.799e4	2.294e4	1.560	1.66	NO	1.8630	1.8630
8	PCB-14	23.44	23.45	1.814e4	1.123e4	1.560	1.71	NO	0.80500	0.80852
9	PCB-11	24.67	24.67	2.085e4	1.284e4	1.560	1.62	NO	0.82400	0.82443
10	PCB-12/13	25.10	25.04	3.846e4	2.365e4	1.560	1.83	NO	1.8670	1.8688
11	PCB-14	26.36	26.36	1.847e4	1.147e4	1.560	1.70	NO	0.83200	0.83178

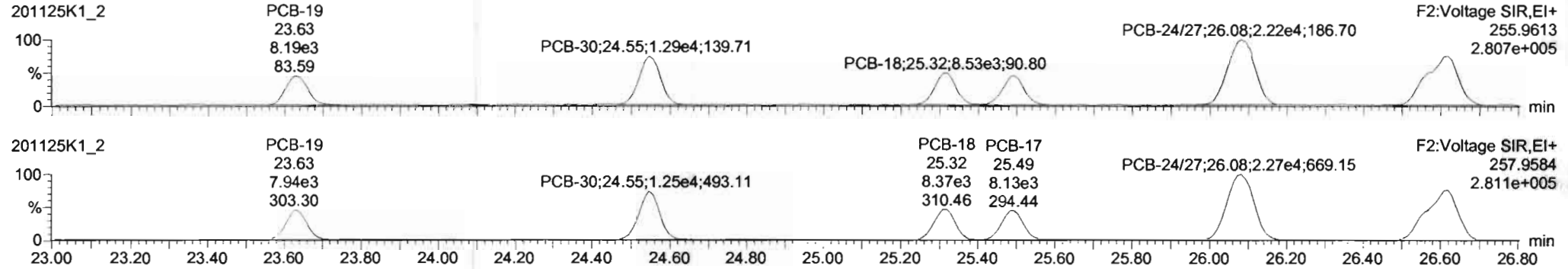


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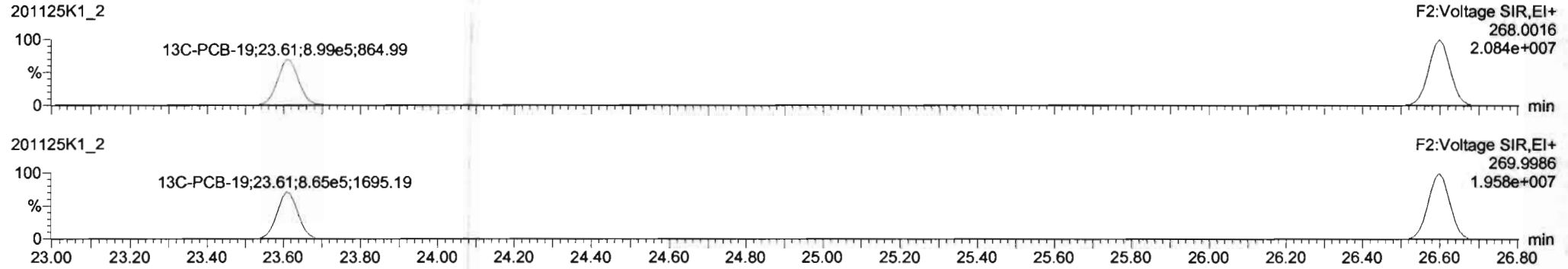
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

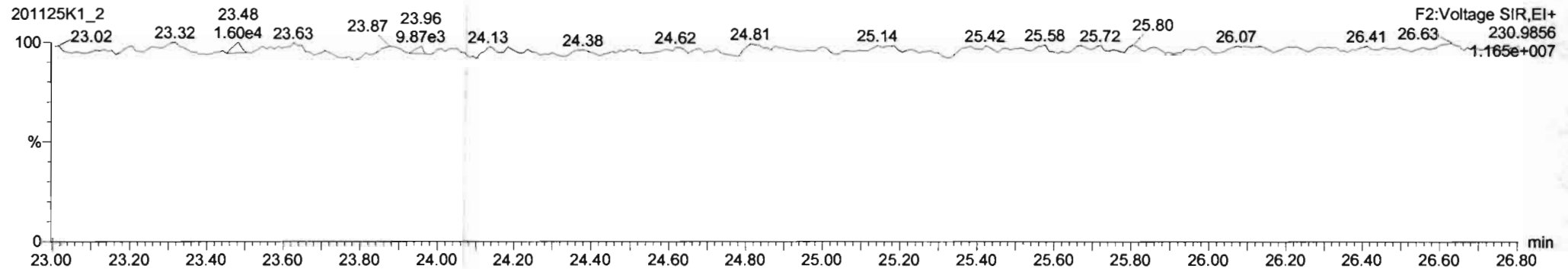
**PCB-19**



**13C-PCB-19**



**PFK2b**

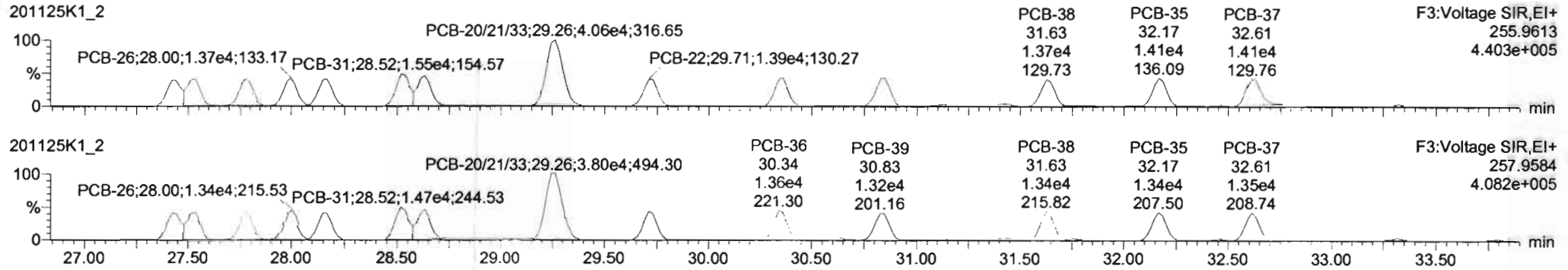


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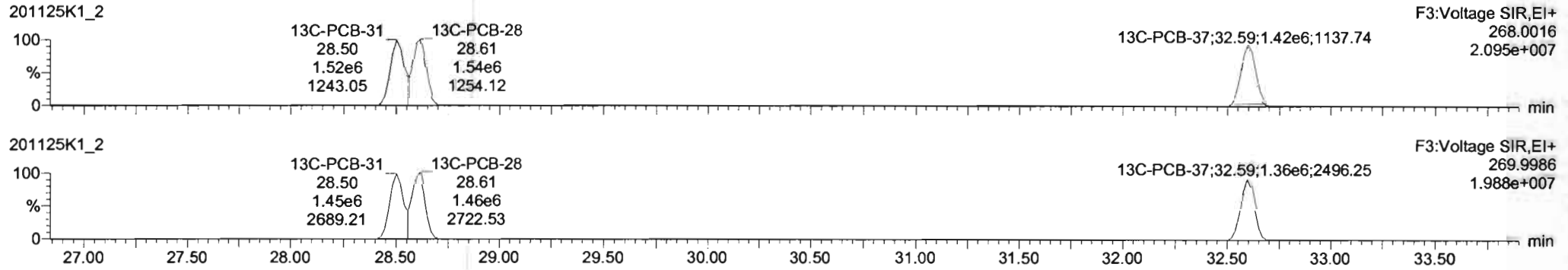
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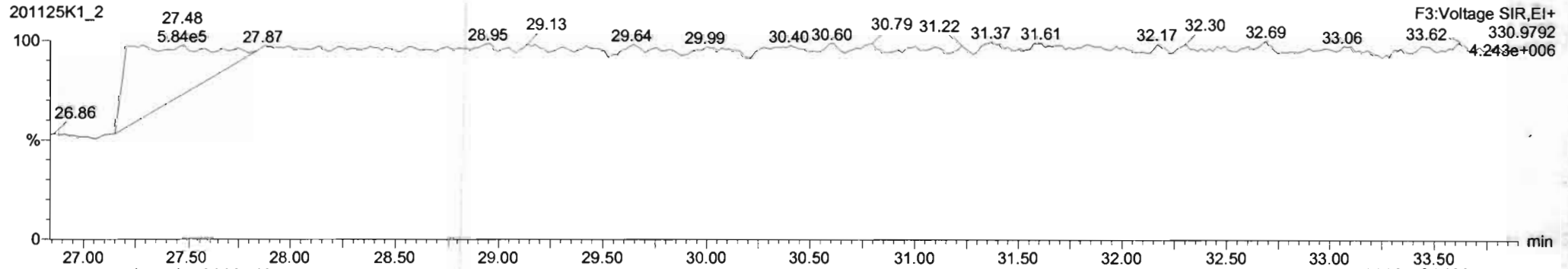
**PCB-34**



**13C-PCB-28**

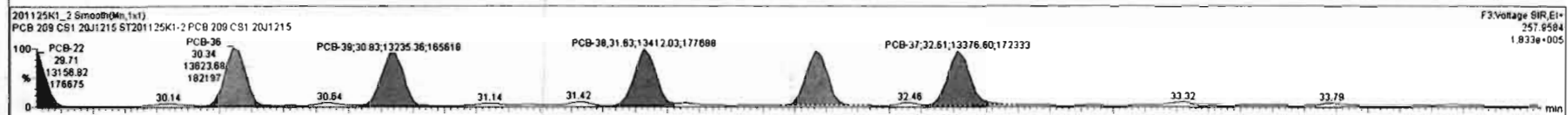
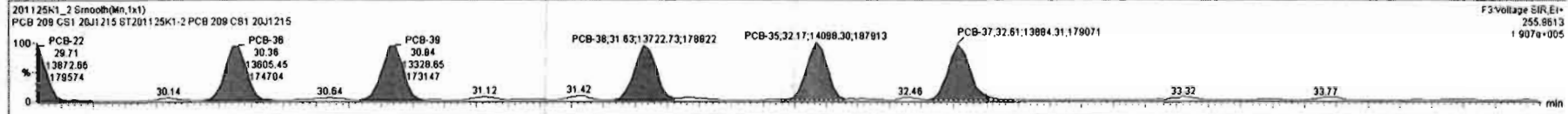


**PFK3d**



#	Name	Resp	RA	rvj	RRF	wtAval	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	2.28e8	0.79	NO	1.0415	1.000	37.63	37.62	0.999	0.997	NO	100.7	101	0.0308	
223	13C-PCB-178	8.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0382	
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11.23		0.159	11.23
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				8.9567	1.000	0.00		0.000		NO	15.30		0.183	15.30
228	Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	39.12		0.233	39.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	37.67		0.302	37.67

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	rvj	EMPC	Conc
18	PCB-34	27.44	27.42	1.312e4	1.278e4	1.040	1.03	NO	0.98300	0.99272
19	PCB-23	27.53	27.53	1.311e4	1.256e4	1.040	1.04	NO	0.95900	0.95861
20	PCB-29	27.77	27.77	1.314e4	1.241e4	1.040	1.06	NO	0.98800	0.98818
21	PCB-26	28.00	28.00	1.369e4	1.341e4	1.040	1.02	NO	0.98700	0.98701
22	PCB-25	28.16	28.17	1.359e4	1.272e4	1.040	1.07	NO	0.95800	0.95764
23	PCB-31	28.53	28.52	1.551e4	1.472e4	1.040	1.05	NO	0.97700	0.97741
24	PCB-28	28.83	28.83	1.548e4	1.364e4	1.040	1.13	NO	0.95600	0.95607
18	PCB 209 CS1	28.27	28.26	4.059e4	3.798e4	1.040	1.07	NO	0.96901	0.96777

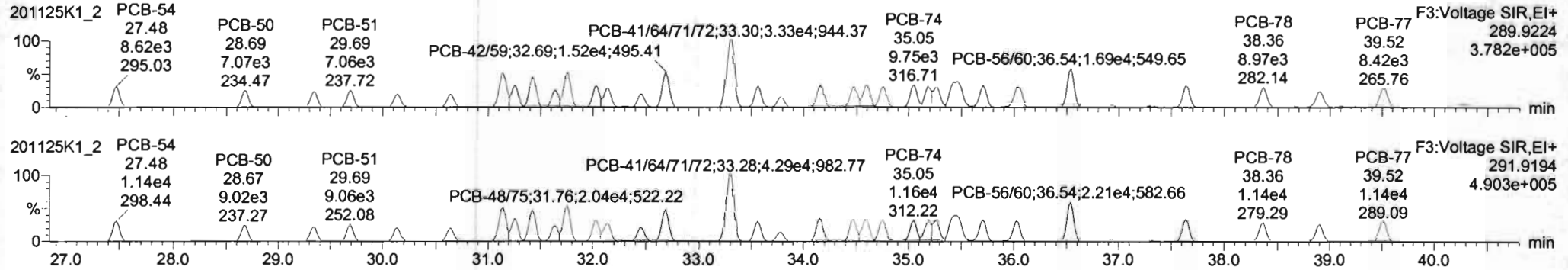


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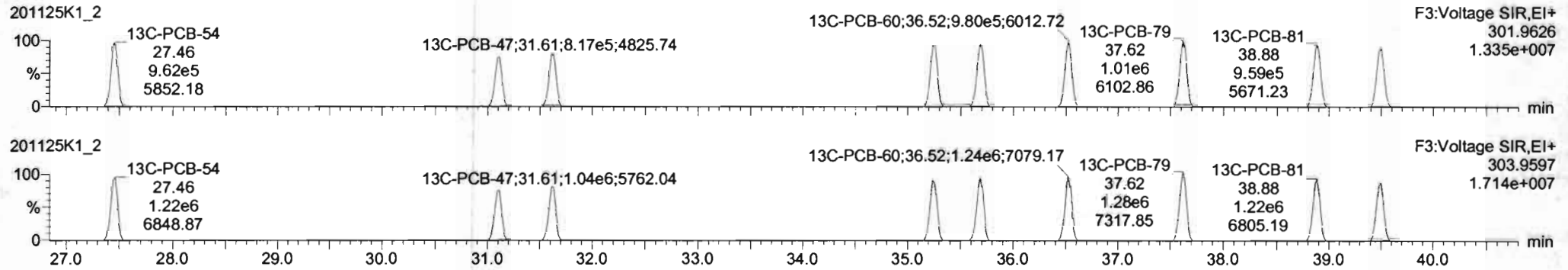
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

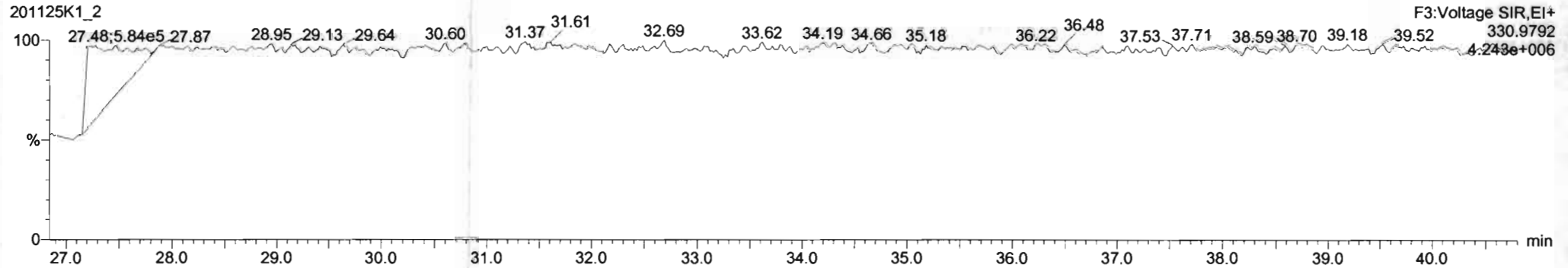
**PCB-54**



**13C-PCB-54**



**PFK3a**





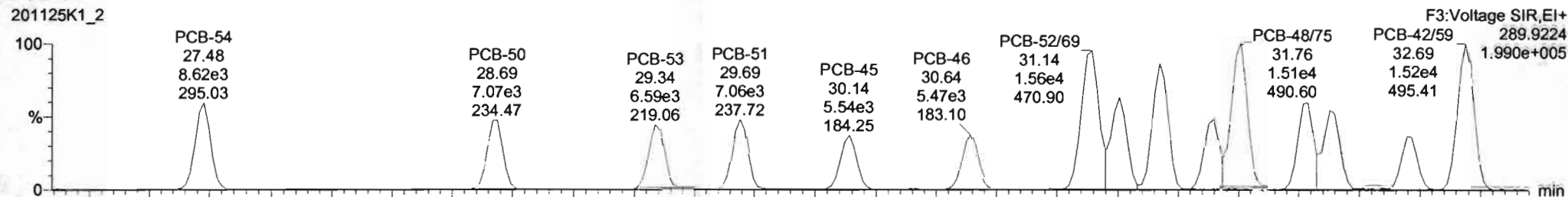
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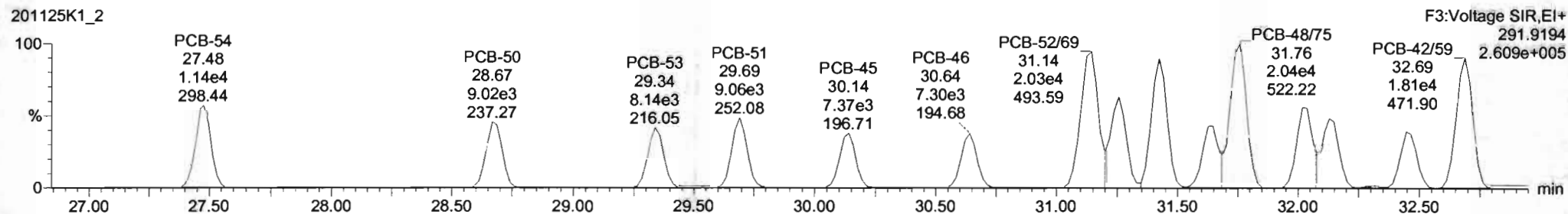
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**PCB-50**

201125K1\_2

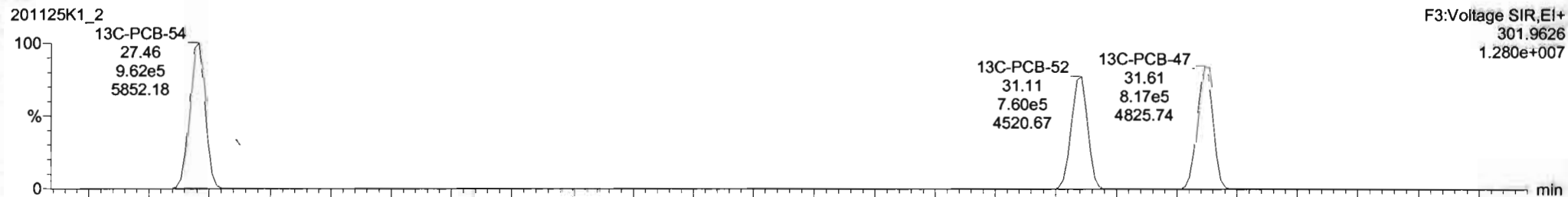


201125K1\_2

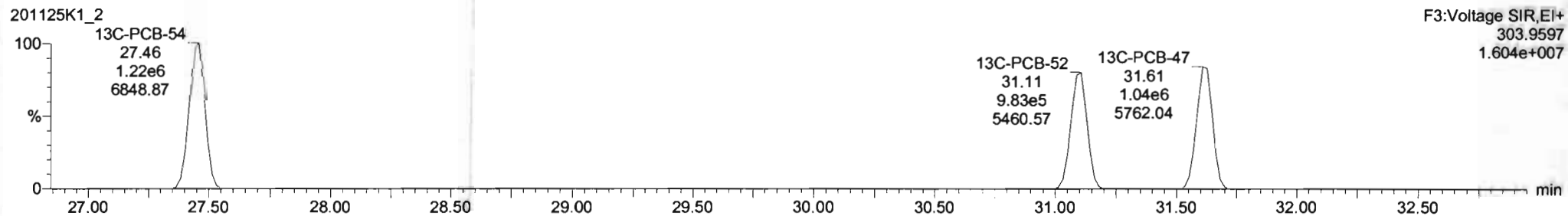


**13C-PCB-52**

201125K1\_2

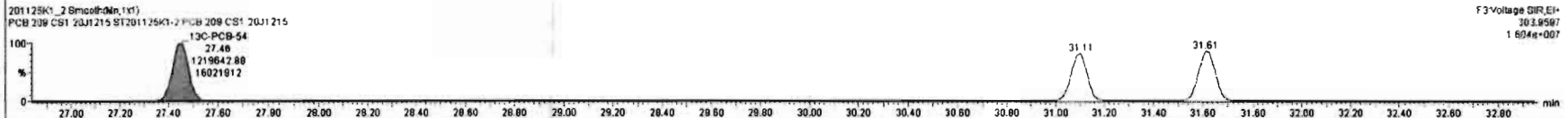
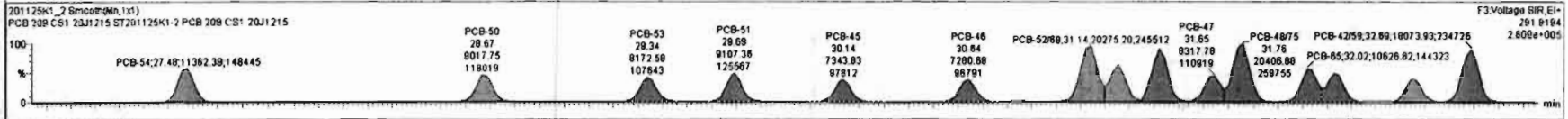
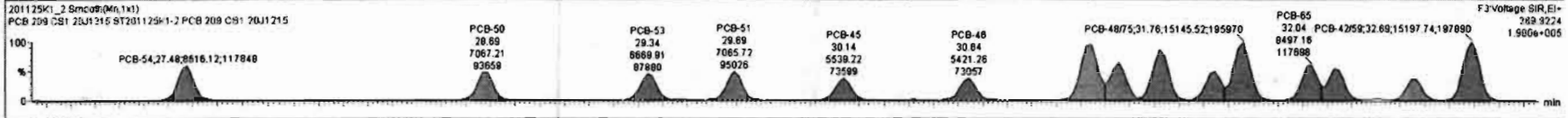


201125K1\_2



#	Name	Resp	RA	nly	RRF	wt/vol	Pred RT	RT	Pred R <sub>1</sub>	RR1	RR1 Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-79	2.79e6	0.78	NO	1.0415	1.000	37.83	37.82	0.968	0.967	NO	100.7	101	0.0308	
223	13C-PCB-178	9.73e5	0.47	NO	1.0190	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0392	
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11.22		0.158	11.22
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.8919	1.000	0.00		0.000		NO	39.12		0.232	39.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	37.87		0.302	37.87

#	Name	Pred RT	RT	nt Resp	nt Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc
1	32 PCB-54	27.48	27.48	8.616e3	1.136e4	0.770	0.76	NO	0.94000	0.93991
2	33 PCB-50	28.68	28.68	7.067e3	9.018e3	0.770	0.78	NO	0.91800	0.91843
3	34 PCB-53	29.37	29.34	6.670e3	8.173e3	0.770	0.82	NO	0.90700	0.90703
4	35 PCB-51	29.70	29.69	7.065e3	9.107e3	0.770	0.78	NO	0.92800	0.92841
5	36 PCB-45	30.15	30.14	5.539e3	7.344e3	0.770	0.75	NO	0.92100	0.92116
6	37 PCB-46	30.85	30.84	5.421e3	7.281e3	0.770	0.75	NO	0.94600	0.94604
7	38 PCB-52/69	31.14	31.14	1.584e4	2.028e4	0.770	0.77	NO	1.90400	1.9044
8	39 PCB-71	31.26	31.26	8.964e3	1.244e4	0.770	0.76	NO	0.94000	0.93971



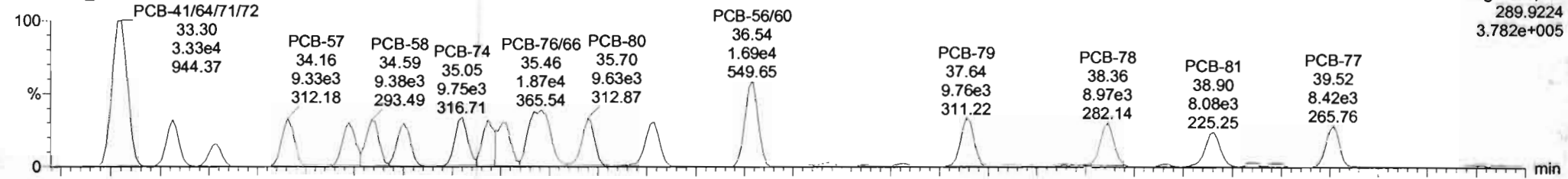
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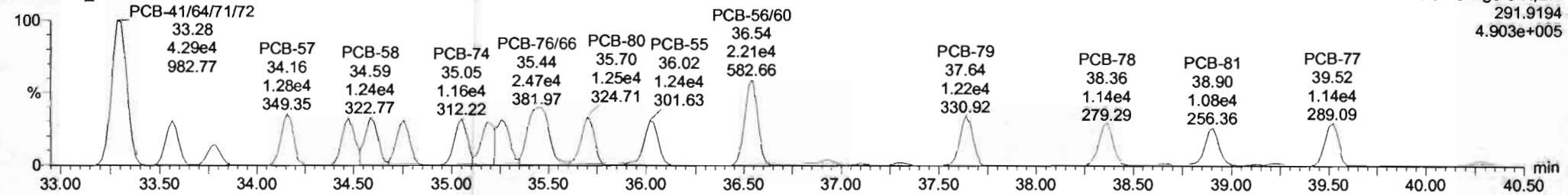
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**PCB-68**

201125K1\_2

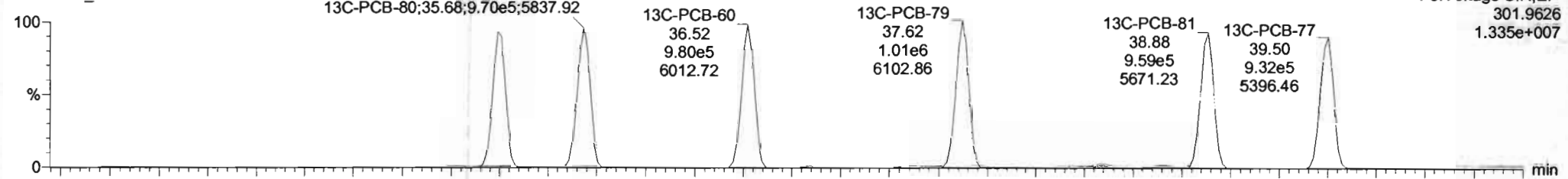


201125K1\_2

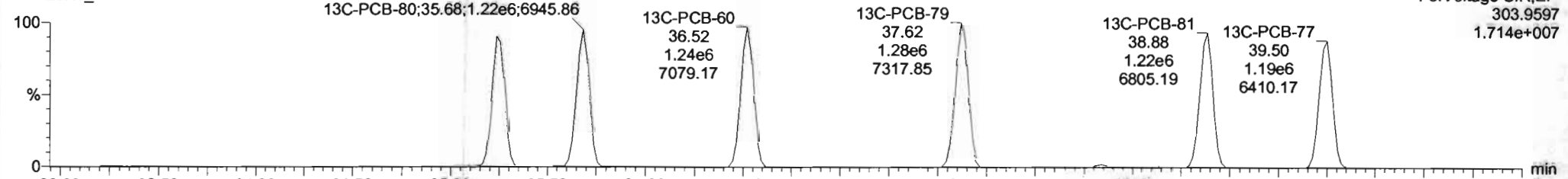


**13C-PCB-60**

201125K1\_2

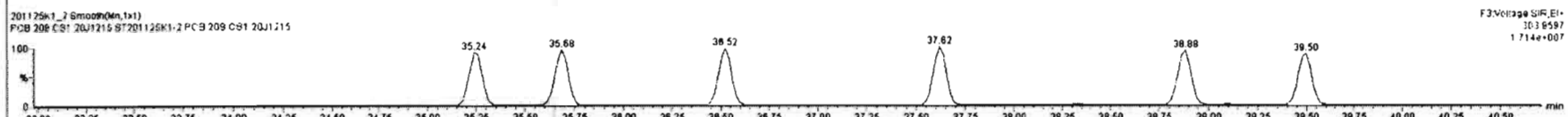
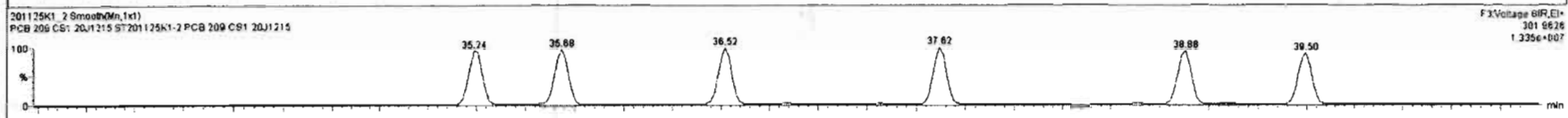
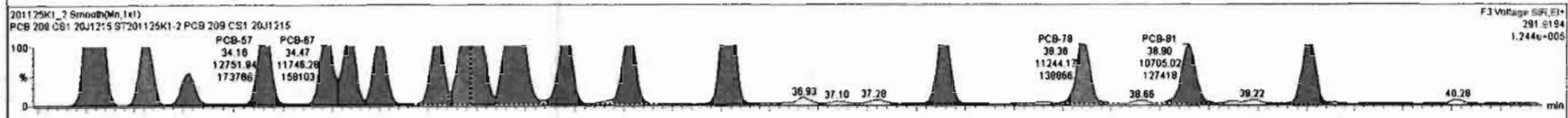
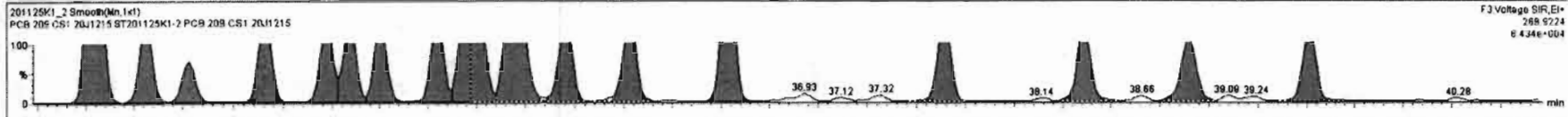


201125K1\_2



#	Name	Resp	RA	nly	RF	wtVol	Pred RT	RT	Pred_R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
222	13C-PCB-78	2.20e6	0.78	NO	1.0415	1.000	37.63	37.62	0.968	0.967	NO	100.7	101	0.0308	
223	13C-PCB-178	8.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0382	
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	2.858		0.0171	2.858
225	Total Di-PCBs				1.0067	1.000	0.00	0.000			NO	11.22		0.158	11.22
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	7.521		0.0710	7.521
227	3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000			NO	15.32		0.163	15.32
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	39.12		0.233	39.12
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	37.67		0.302	37.67

#	Name	Pred RT	RT	Int Resp	Int Ratio	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	PCB-54	27.48	27.48	8.616e3	1.136e4	0.770	0.78	NO	0.94000	0.93991
2	PCB-50	28.68	28.69	7.067e3	9.019e3	0.770	0.78	NO	0.91600	0.91843
3	PCB-53	29.37	29.34	6.670e3	8.173e3	0.770	0.82	NO	0.90700	0.90703
4	PCB-51	29.70	29.68	7.066e3	8.107e3	0.770	0.78	NO	0.92000	0.92041
5	PCB-45	30.15	30.14	5.529e3	7.344e3	0.770	0.75	NO	0.92100	0.92116
6	PCB-46	30.65	30.64	5.421e3	7.281e3	0.770	0.75	NO	0.94600	0.94604
7	PCB-52/89	31.14	31.14	1.564e4	2.028e4	0.770	0.77	NO	1.9040	1.9044
8	PCB-71	31.26	31.26	8.363e3	1.294e4	0.770	0.78	NO	0.96300	0.96321

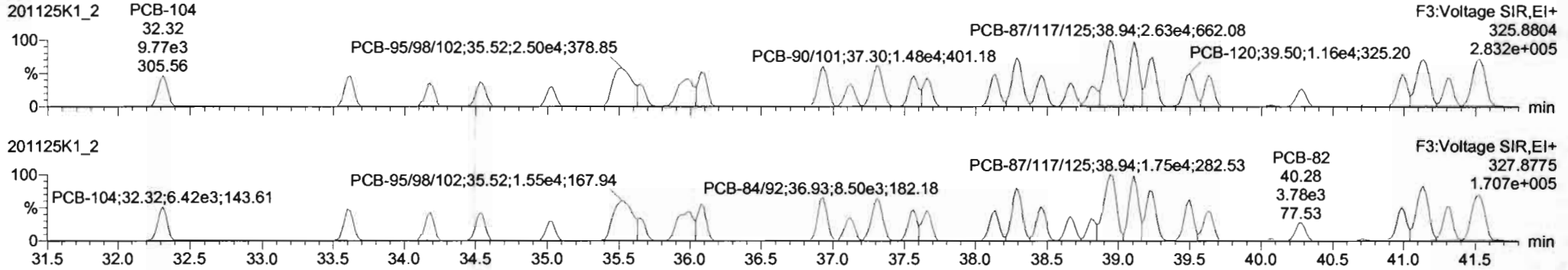


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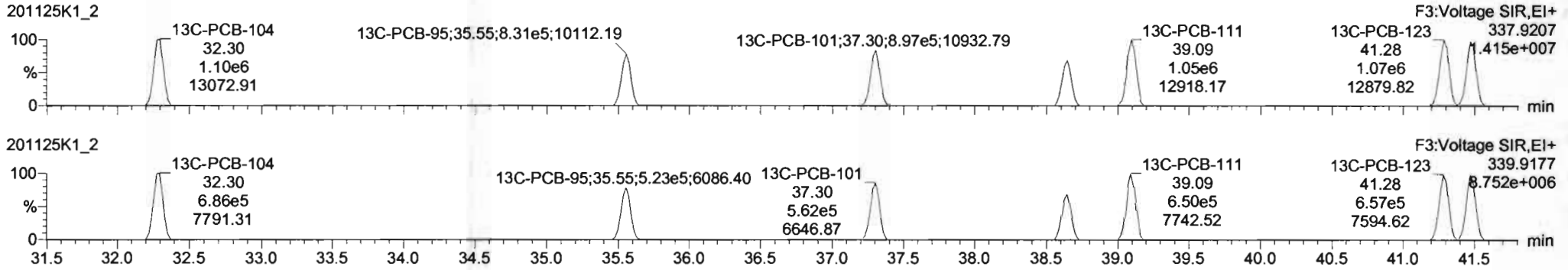
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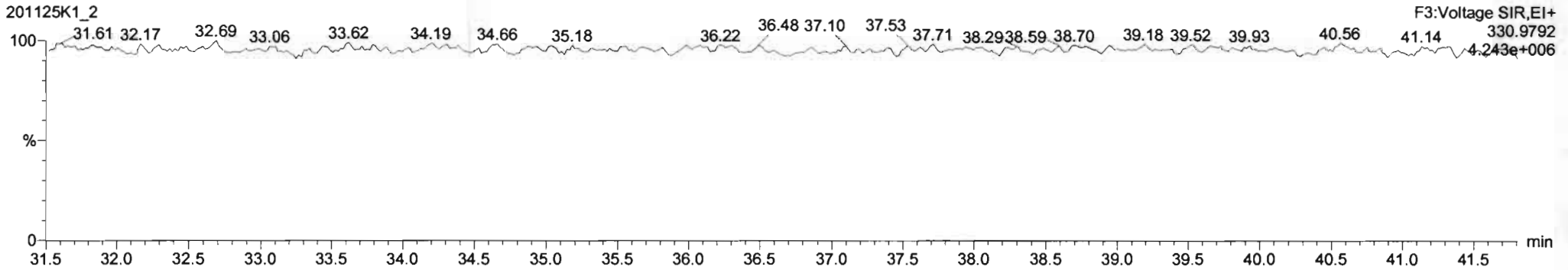
**PCB-104**



**13C-PCB-104**



**PFK3b**

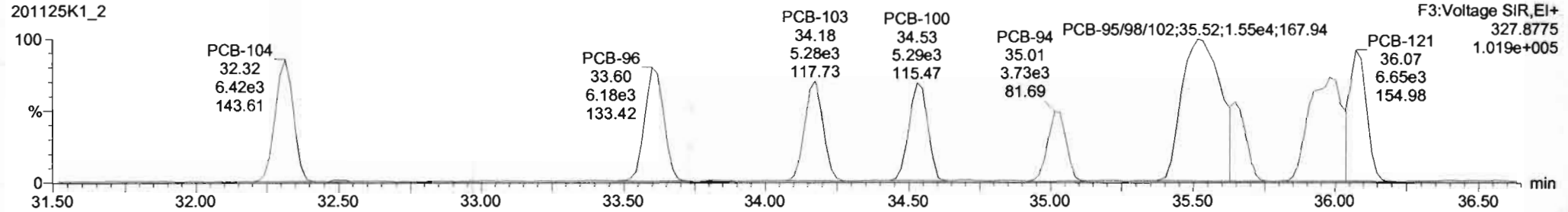
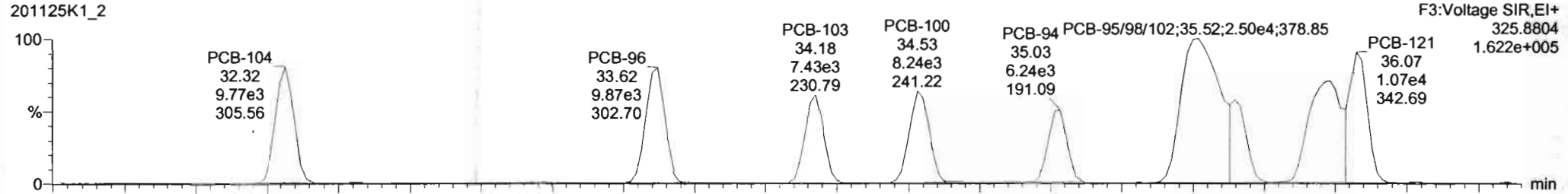


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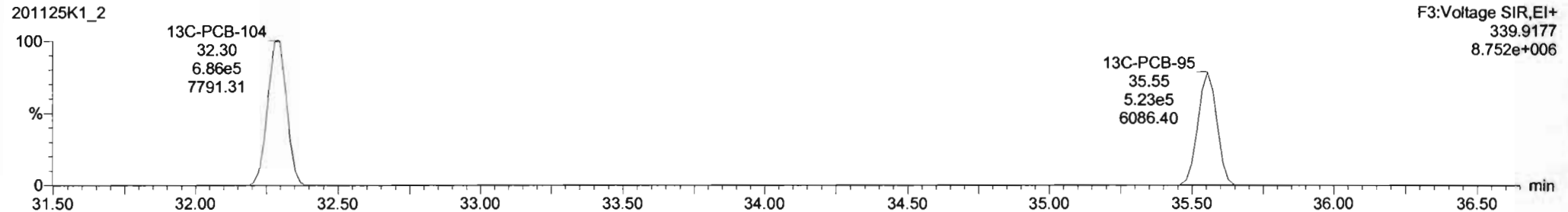
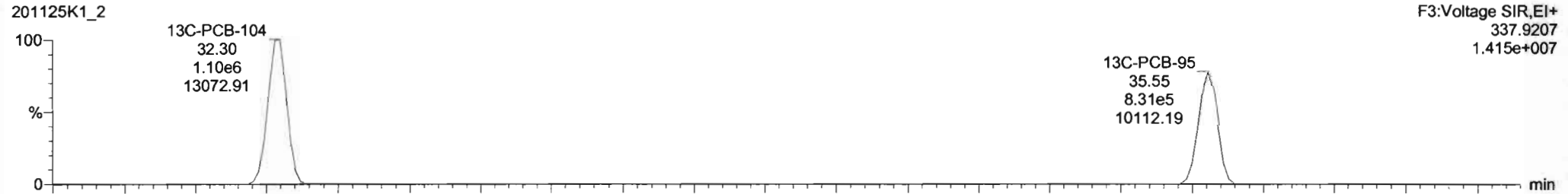
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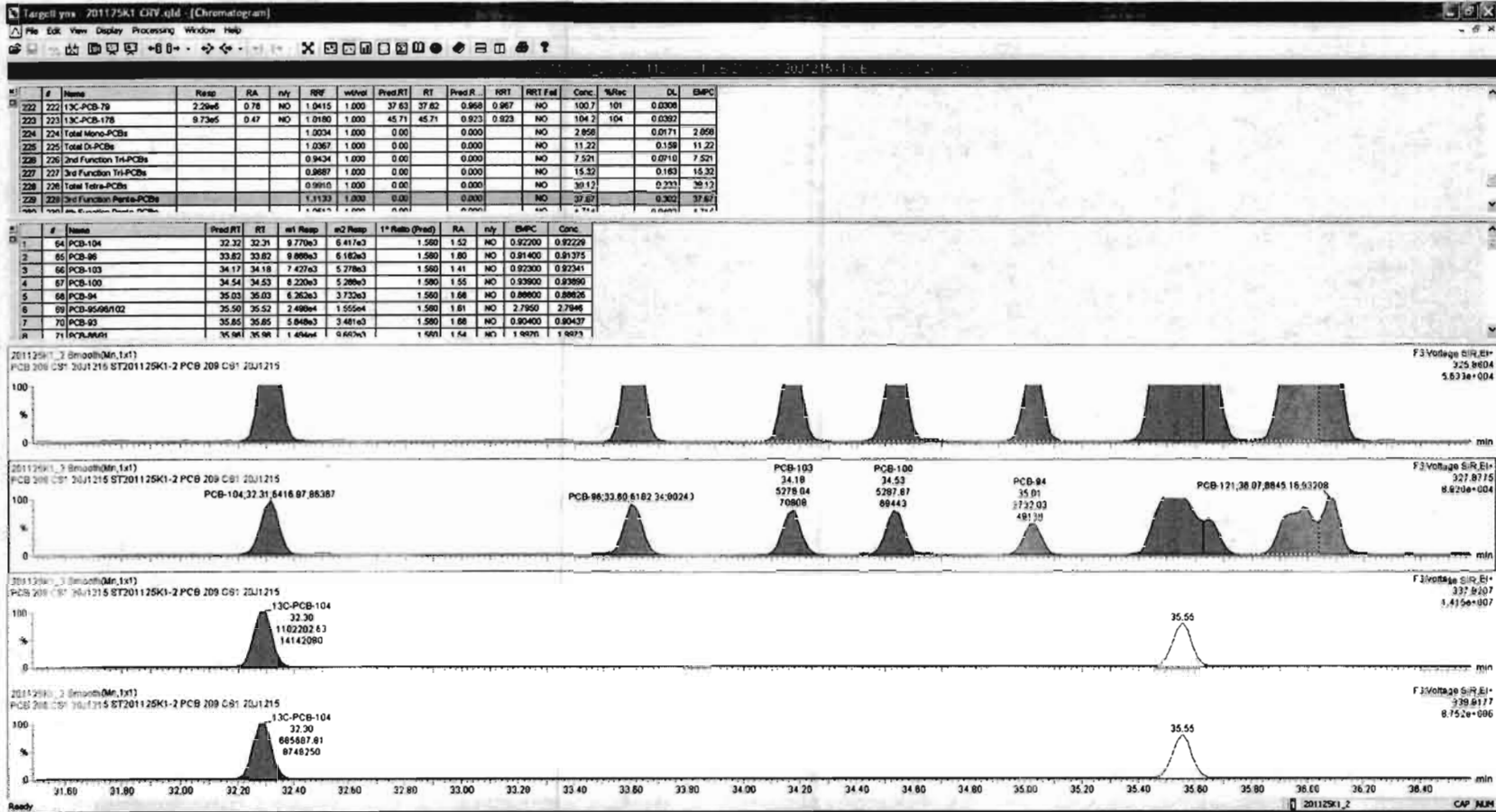
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**PCB-96**



**13C-PCB-95**



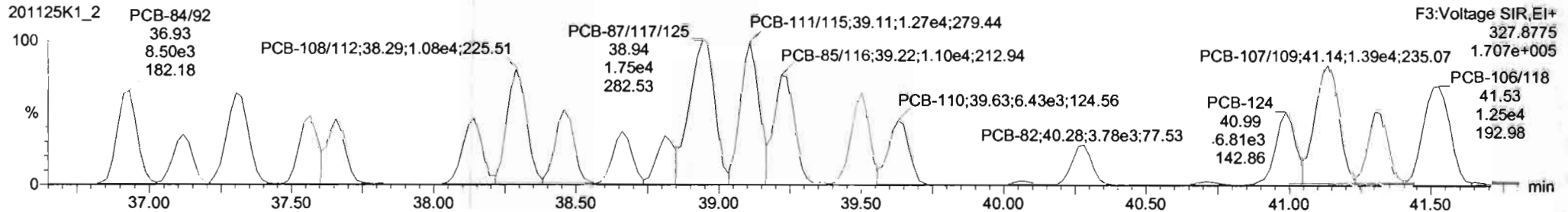
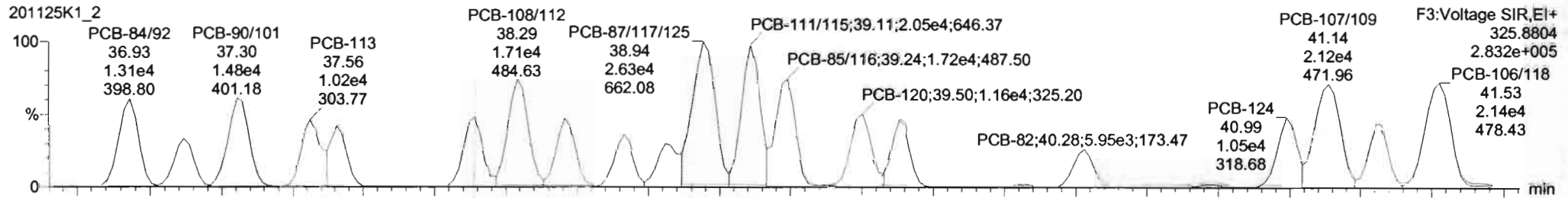


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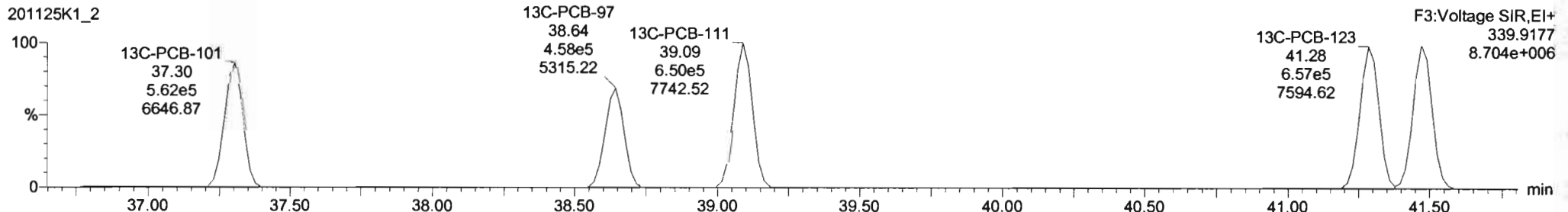
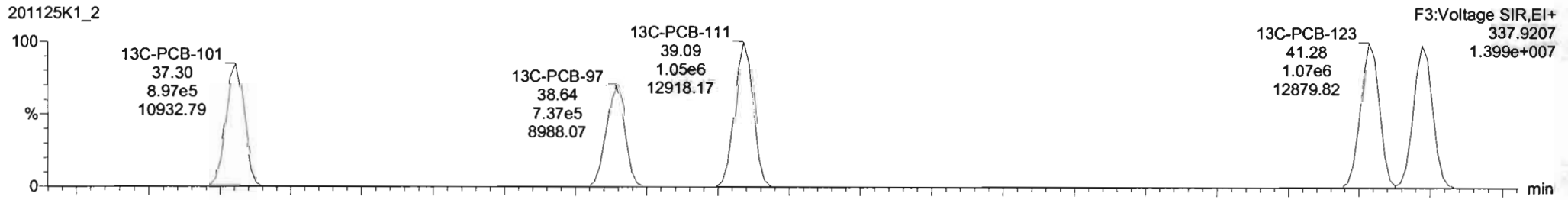
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**PCB-119**



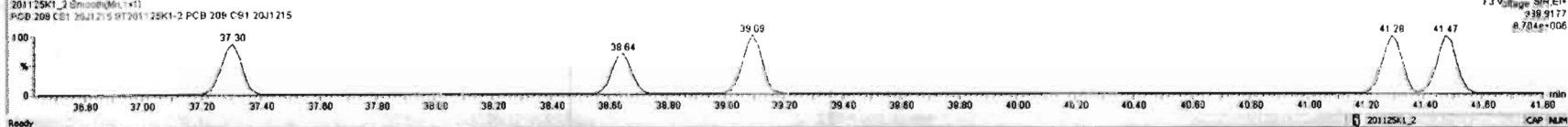
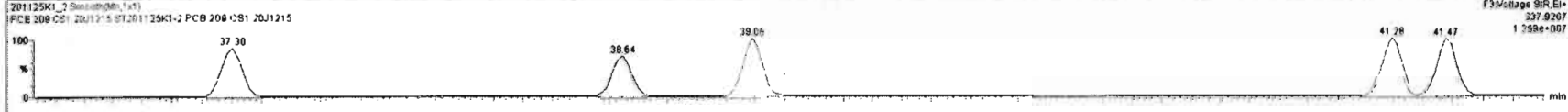
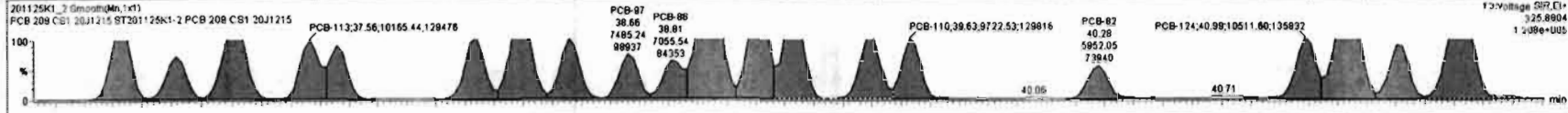
**13C-PCB-111**





#	Name	Resp	RA	nV	RF	wVol	Pred RT	RT	Pred R...	RRT	RRT1	Fail	Conc	%Rec	DL	EMPC
222	13C-PCB-79	2.29e5	0.78	NO	1.0415	1.000	37.63	37.62	0.998	0.987	NO	1007	101	0.0308		
223	13C-PCB-176	9.73e5	0.67	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104	104	0.0392		
224	Total Mono-PCBs				1.0094	1.000	0.00	0.000	0.000	0.000	NO	2.858		0.0171	2.858	
225	Total Di-PCBs				1.0087	1.000	0.00	0.000	0.000	0.000	NO	11.22		0.158	11.22	
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000	0.000	NO	7.521		0.0710	7.521	
227	3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000	0.000	0.000	NO	15.32		0.163	15.32	
228	Total Tetra-PCBs				0.9810	1.000	0.00	0.000	0.000	0.000	NO	30.12		0.233	30.12	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000	0.000	NO	37.67		0.302	37.67	

#	Name	Pred RT	RT	nV Resp	nV Resp	1* Ratio (Pred)	RA	nV	EMPC	Conc
1	64 PCB-104	32.32	32.31	8.770e3	6.417e3	1.560	1.52	NO	0.82200	0.82229
2	65 PCB-98	33.62	33.62	9.888e3	6.182e3	1.590	1.80	NO	0.81400	0.81375
3	66 PCB-103	34.17	34.16	7.427e3	5.278e3	1.560	1.41	NO	0.92300	0.82341
4	67 PCB-100	34.54	34.53	8.220e3	5.298e3	1.560	1.55	NO	0.93900	0.83690
5	68 PCB-94	35.03	35.03	6.262e3	3.732e3	1.560	1.68	NO	0.88800	0.88626
6	69 PCB-95/97/102	35.50	35.52	2.498e4	1.556e4	1.560	1.81	NO	2.7950	2.7946
7	70 PCB-93	35.65	35.65	5.846e3	3.481e3	1.560	1.68	NO	0.90400	0.80437
8	71 PCB-99/101	35.98	35.98	1.496e4	0.862e3	1.560	1.58	NO	1.8070	1.8071

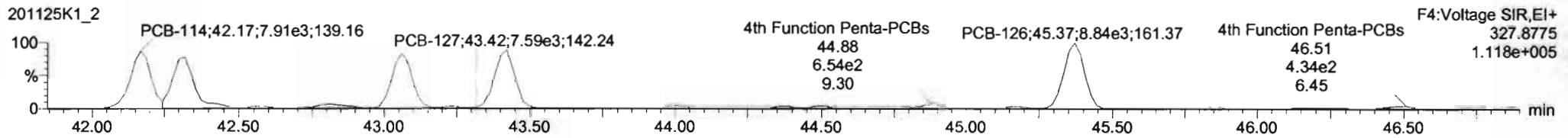
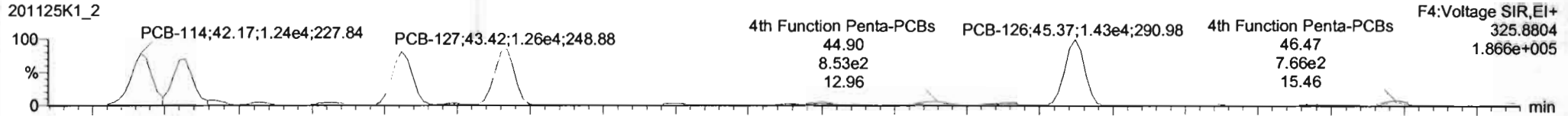


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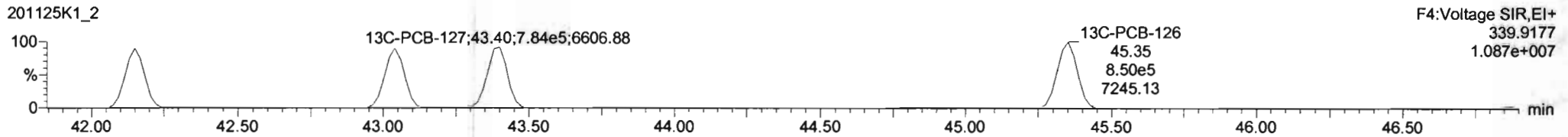
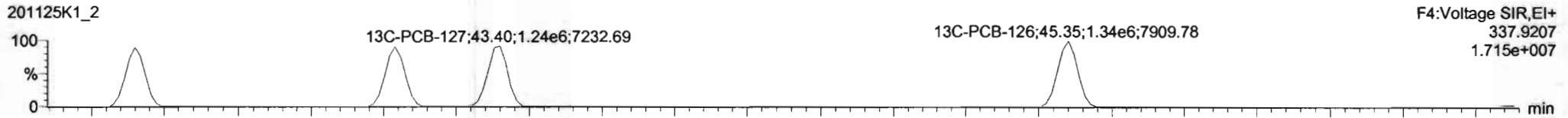
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

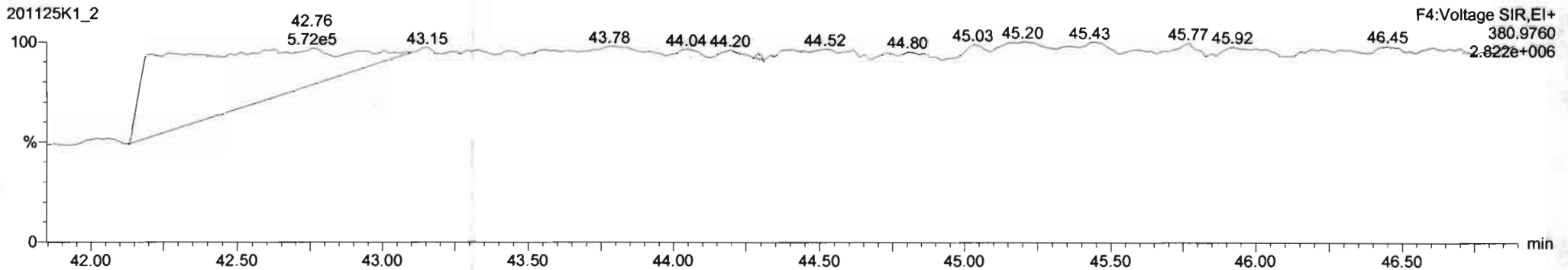
**PCB-114**



**13C-PCB-114**

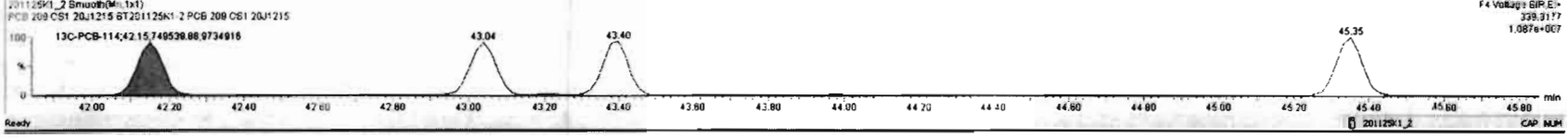
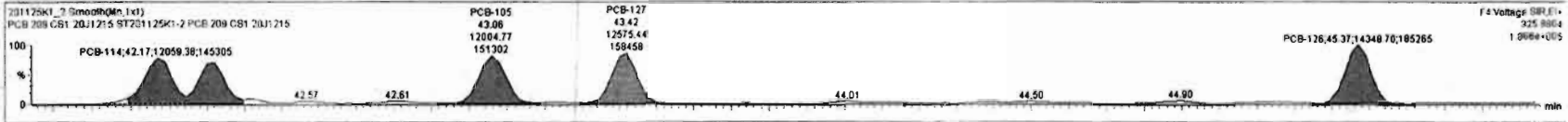


**PFK4a**



#	Name	Resp	RA	nHy	RRF	wtVol	Pred RT	RT	Pred R	RRT	RRT Fat	Conc	%Rec	DL	EMPC
222	223 13C-PCB-79	2.29e6	0.78	NO	1.0415	1.000	37.83	37.82	0.968	0.967	NO	100.7	104	0.0300	
223	223 13C-PCB-178	9.73e5	0.47	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	104.2	104	0.0262	
224	224 Total Mono-PCBs				1.0034	1.000	0.000	0.000	0.000	0.000	NO	2.858	0.0171	2.868	
225	225 Total Di-PCBs				1.0367	1.000	0.000	0.000	0.000	0.000	NO	11.22	0.159	11.20	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.000	0.000	0.000	0.000	NO	7.621	0.0710	7.521	
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.000	0.000	0.000	0.000	NO	15.32	0.183	15.32	
228	228 Total Tetra-PCBs				0.9810	1.000	0.000	0.000	0.000	0.000	NO	38.12	0.233	38.12	
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.000	0.000	0.000	0.000	NO	37.67	0.302	37.67	

#	Name	Pred RT	RT	n1 Resp	n2 Resp	1st Ratio (Pred)	RA	nHy	EMPC	Conc
83	PCB-114	42.17	42.17	1.205e4	7.637e3	1.580	1.58	NO	0.93700	0.93678
94	PCB-122	42.32	42.32	1.051e4	6.945e3	1.500	1.53	NO	0.96200	0.96161
95	PCB-105	43.06	43.06	1.200e4	7.167e3	1.550	1.87	NO	0.94800	0.94941
96	PCB-127	43.42	43.42	1.259e4	7.589e3	1.580	1.66	NO	0.94400	0.94440
97	PCB-126	45.37	45.37	1.435e4	8.838e3	1.580	1.82	NO	0.92100	0.92146



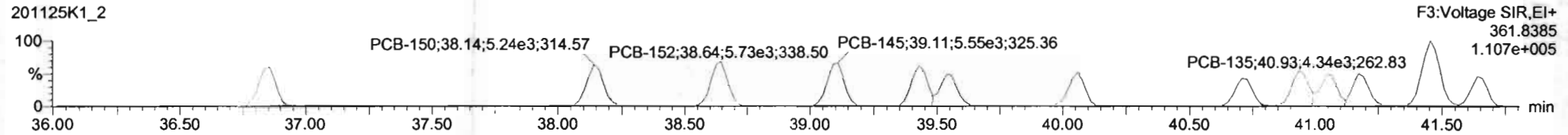
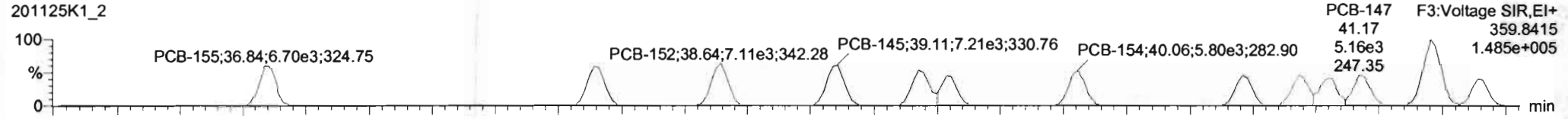
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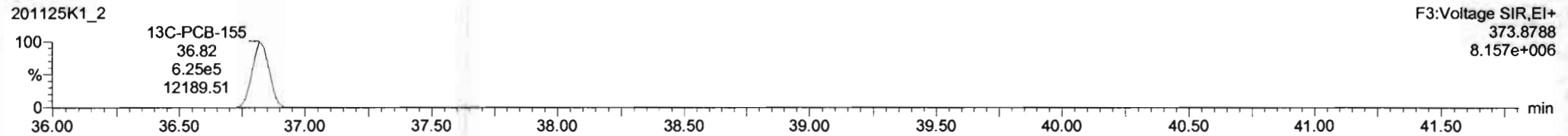
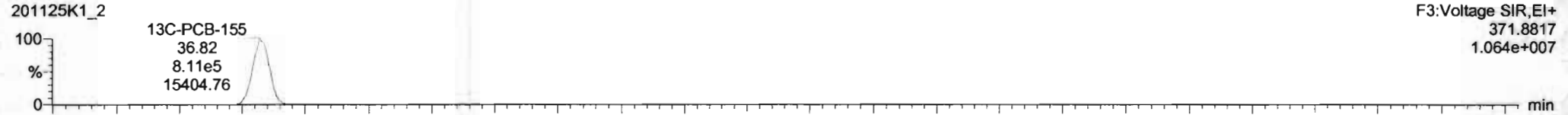
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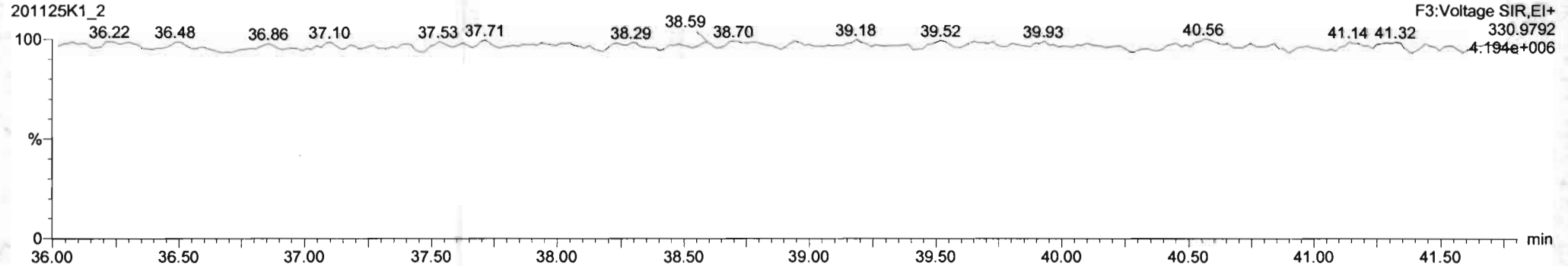
**PCB-155**



**13C-PCB-155**

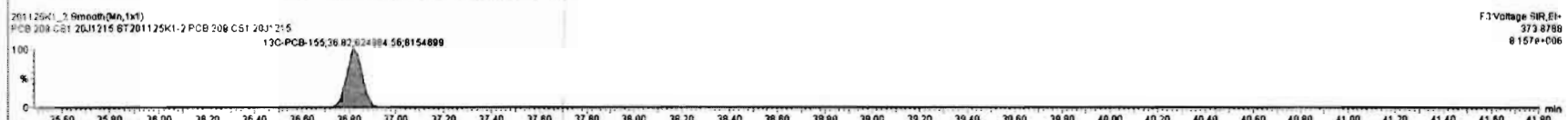
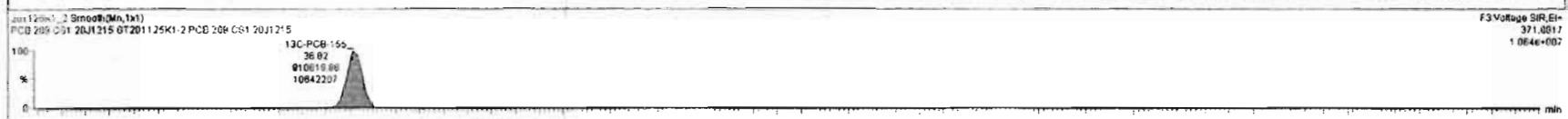
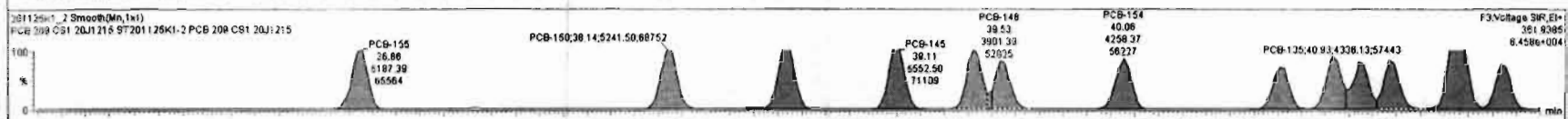


**PFK3c**



#	Name	Resp	RA	nly	RRF	wtVcl	Pred.RT	RT	Pred.R	RRT	RRT Fail	Conc.	%Rec	OL	EMPC
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	12.95		0.0073	12.85
232	4th Function Hexa-PCBs				0.9455	1.000	0.00		0.000		NO	26.04		0.186	26.04
233	Total Hepta-PCBs				1.2043	1.000	0.00		0.000		NO	23.09		0.158	23.09
234	4th Function Octa-PCBs				0.8005	1.000	0.00		0.000		NO	8.263		0.0475	8.263
235	5th Function Octa-PCBs				1.0867	1.000	0.00		0.000		NO	2.764		0.0145	2.764
236	Total Nona-PCBs				0.8871	1.000	0.00		0.000		NO	2.346		0.0178	2.346
237	Deca-CB				0.8627	1.000	0.00		0.000		NO	0.8016		0.0030	0.8020
238	Total PCBs														

#	Name	Pred.RT	RT	nt Resp	nt2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	99 PCB-155	36.84	36.84	6.702e3	5.187e3	1.240	1.29	NO	0.87100	0.87133
2	99 PCB-150	38.16	38.14	6.819e3	5.241e3	1.240	1.30	NO	0.86900	0.86904
3	100 PCB-152	38.84	38.84	7.111e3	5.734e3	1.240	1.24	NO	0.87800	0.87871
4	101 PCB-145	39.11	39.11	7.206e3	5.553e3	1.240	1.30	NO	0.80400	0.80427
5	102 PCB-138	39.44	39.42	6.363e3	5.086e3	1.240	1.25	NO	0.80500	0.80509
6	103 PCB-148	39.55	39.53	4.773e3	3.901e3	1.240	1.22	NO	0.80700	0.80711
7	104 PCB-154	40.06	40.06	5.801e3	4.258e3	1.240	1.36	NO	0.87200	0.87228
8	106 PCB-151	40.72	40.71	5.073e3	3.719e3	1.240	1.37	NO	0.80900	0.80776



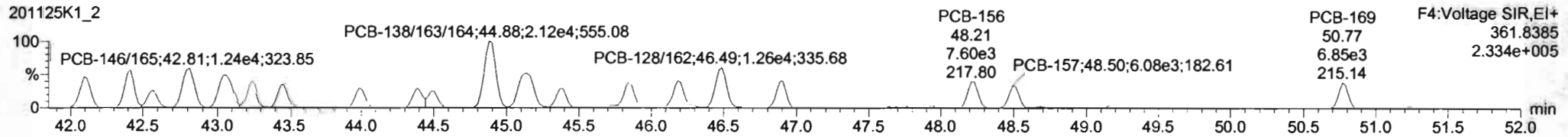
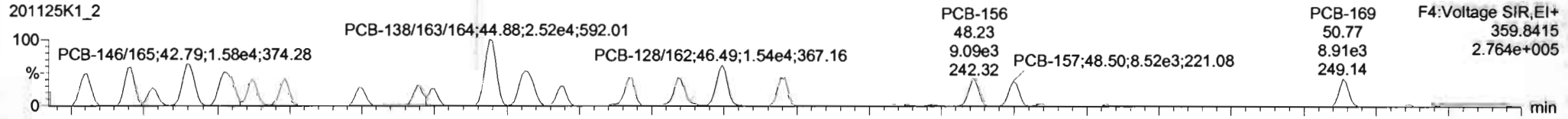
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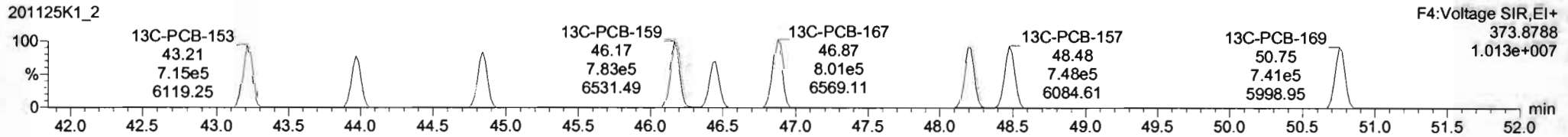
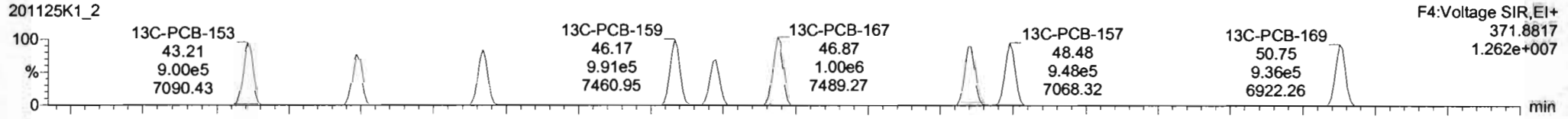
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Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

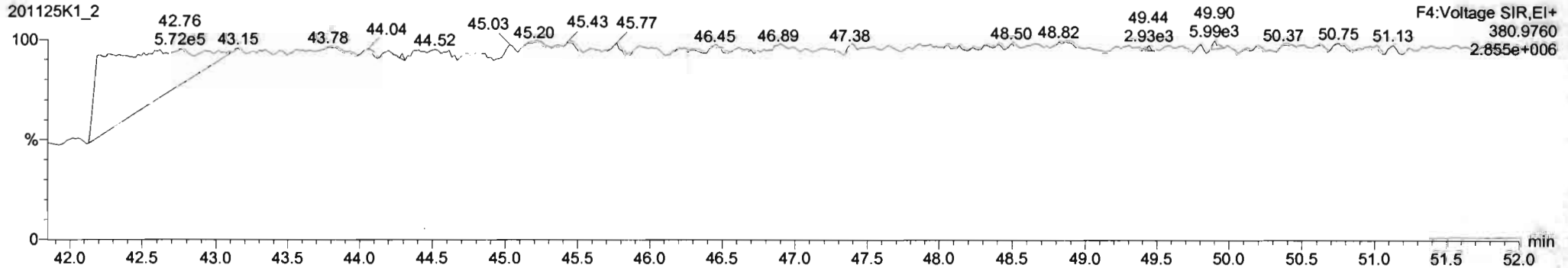
PCB-134/143



13C-PCB-153

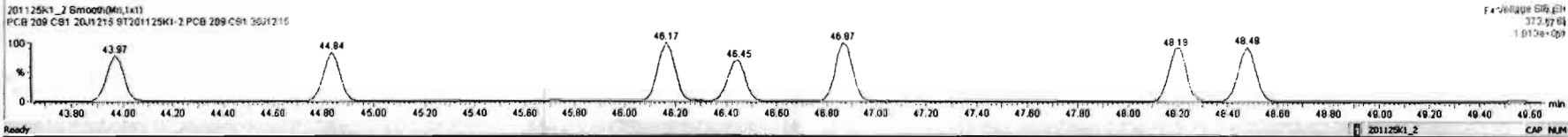
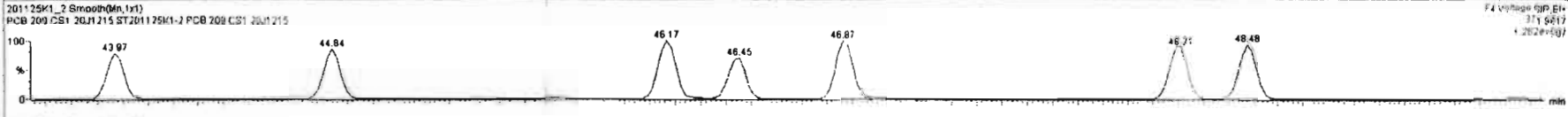
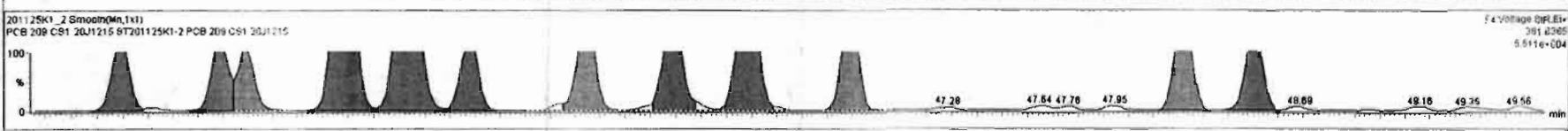
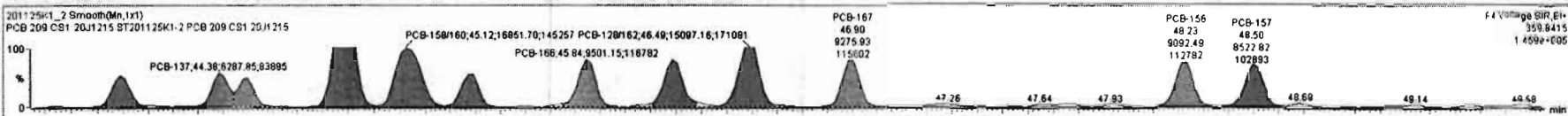


PFK4b



#	Name	Resp	RA	n/y	RPF	wt/wt	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc.	%Rec	DL	EMPC
231	231 3rd Function Hexa-PCBs		0.7910	1.000	0.00	1.000	0.00	0.000			NO	12.85	0.0972	12.85	
232	232 4th Function Hexa-PCBs		0.8455	1.000	0.00	1.000	0.00	0.000			NO	26.04	0.189	26.04	
233	233 Total Hepta-PCBs		1.2043	1.000	0.00	1.000	0.00	0.000			NO	23.09	0.158	23.09	
234	234 4th Function Octa-PCBs		0.8605	1.000	0.00	1.000	0.00	0.000			NO	8.283	0.0475	8.283	
235	235 5th Function Octa-PCBs		1.0857	1.000	0.00	1.000	0.00	0.000			NO	2.764	0.0145	2.764	
236	236 Total Nona-PCBs		0.8871	1.000	0.00	1.000	0.00	0.000			NO	2.746	0.0178	2.746	
237	237 Dece-CB		0.8627	1.000	0.00	1.000	0.00	0.000			NO	0.8916	0.00130	0.8920	
238	238 Total PCBs														

#	Name	Pred RT	RT	nt Resp	nt Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/43	42.11	42.11	1.247e4	9.619e3	1.240	1.30	NO	1.9060	1.9060
2	112 PCB-131/33	42.42	42.41	1.294e4	1.021e4	1.240	1.27	NO	1.8680	1.8681
3	113 PCB-142	42.56	42.57	5.864e3	4.718e3	1.240	1.24	NO	0.95400	0.95302
4	114 PCB-148/65	42.81	42.79	1.576e4	1.239e4	1.240	1.27	NO	1.8480	1.8479
5	115 PCB-132/61	43.06	43.04	1.588e4	1.236e4	1.240	1.28	NO	1.8280	1.8277
6	116 PCB-153	43.25	43.23	8.381e3	6.977e3	1.240	1.20	NO	0.96100	0.96063
7	117 PCB-168	43.46	43.46	8.287e3	6.398e3	1.240	1.29	NO	0.87800	0.87878
8	118 PCB-141	43.66	43.66	6.365e3	5.361e3	1.240	1.18	NO	0.81600	0.81630

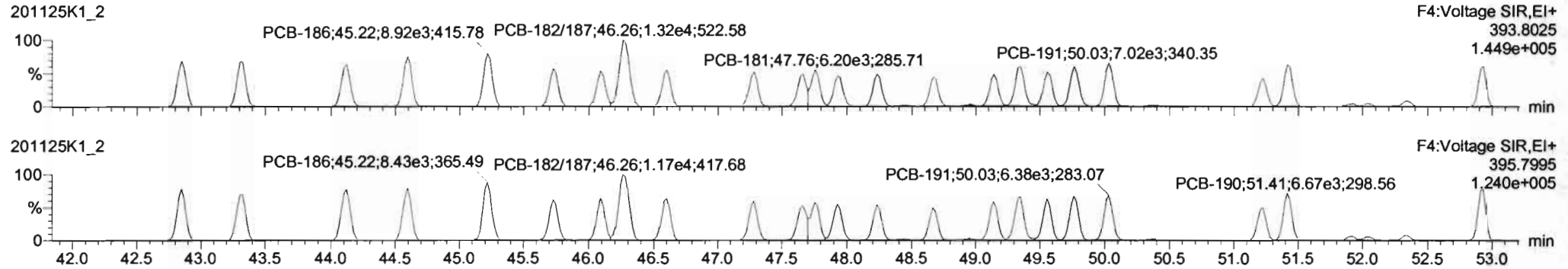


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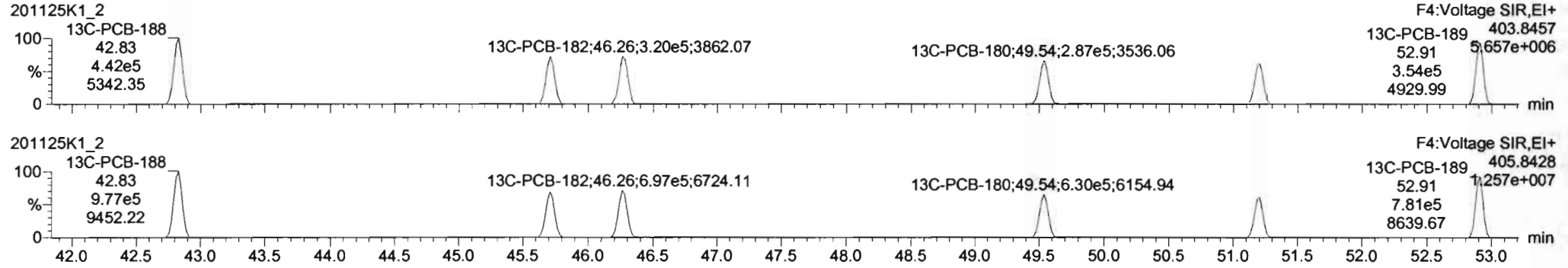
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

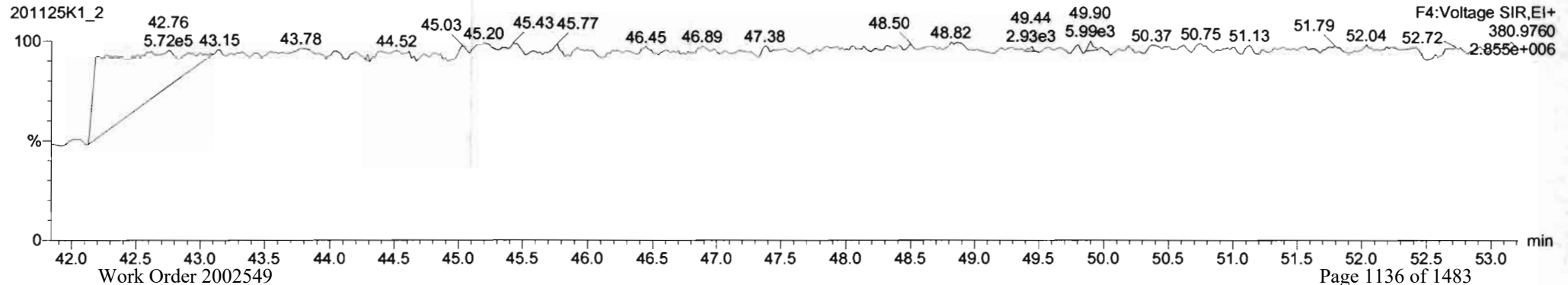
**PCB-188**



**13C-PCB-188**



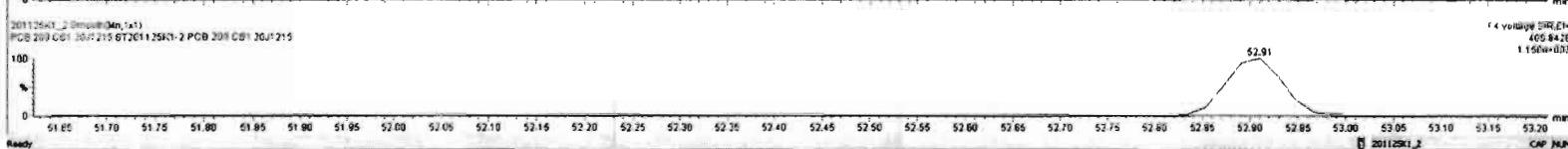
**PFK4c**





#	Name	Resp	RA	rv	RF	rd	PreRT	RT	PostR	RR	NRT	Fail	Conc	%Rec	DL	RPIC
221	221 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000			NO	12.85	0.0872	12.85	
222	222 4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000	0.000			NO	26.04	0.188	26.04	
223	223 Total Hexa-PCBs				1.2643	1.000	0.00	0.000	0.000			NO	23.00	0.198	23.08	
224	224 4th Function Octa-PCBs				0.8805	1.000	0.00	0.000	0.000			NO	8.283	0.0475	8.283	
225	225 5th Function Octa-PCBs				1.0857	1.000	0.00	0.000	0.000			NO	2.784	0.0145	2.784	
226	226 Total Hexa-PCBs				0.8871	1.000	0.00	0.000	0.000			NO	2.746	0.0178	2.746	
227	227 Deca-CB				0.8627	1.000	0.00	0.000	0.000			NO	0.8816	0.00130	0.8820	
228	228 Total PCBs															

#	Name	PreRT	RT	wt Resp	rd Resp	1* Ratio (Pre)	RA	rv	RPIC	Conc
1	131 PCB-188	42.87	42.85	7.823e3	7.467e3	1.050	1.05	NO	0.92700	0.92711
2	132 PCB-184	43.32	43.31	7.800e3	7.206e3	1.050	1.08	NO	0.92800	0.92775
3	133 PCB-179	44.12	44.12	7.210e3	7.717e3	1.050	0.93	NO	0.97800	0.97895
4	134 PCB-178	44.59	44.59	8.085e3	7.387e3	1.050	1.09	NO	0.98000	0.97975
5	135 PCB-186	45.24	45.22	8.916e3	8.428e3	1.050	1.06	NO	0.99300	0.99289
6	136 PCB-178	45.75	45.73	8.267e3	5.890e3	1.050	1.06	NO	1.0320	1.0320
7	137 PCB-175	46.00	46.00	5.856e3	5.712e3	1.050	1.02	NO	0.95900	0.95970
8	138 PCB-182/87	46.28	46.28	1.517e4	1.172e4	1.050	1.12	NO	1.8620	1.8623



Dataset: Untitled

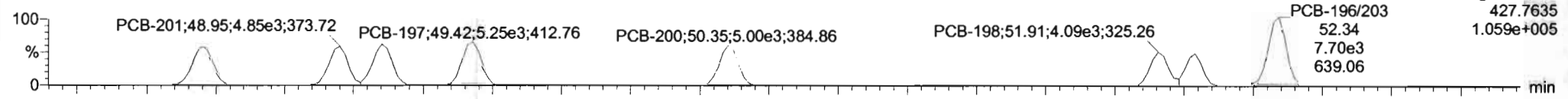
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

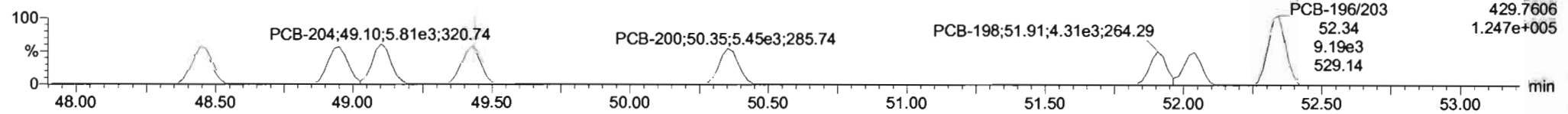
Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

**PCB-202**

201125K1\_2

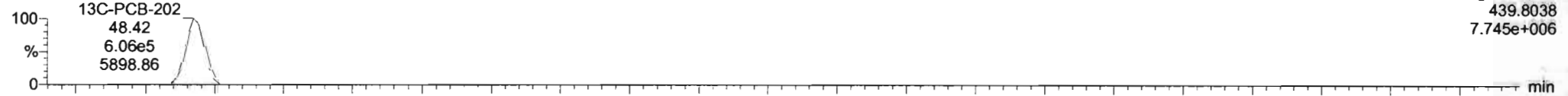


201125K1\_2

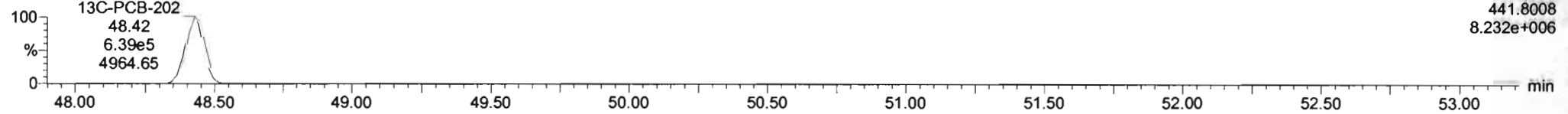


**13C-PCB-202**

201125K1\_2

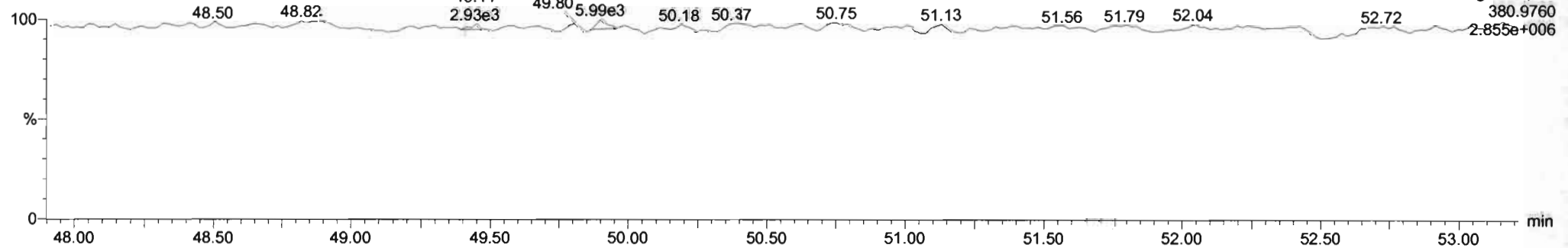


201125K1\_2



**PFK4d**

201125K1\_2



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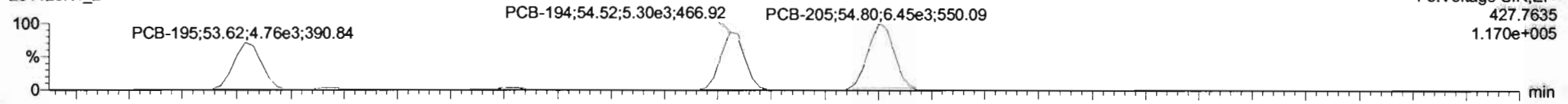
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_2, Date: 25-Nov-2020, Time: 10:48:14, ID: ST201125K1-2 PCB 209 CS1 20J1215, Description: PCB 209 CS1 20J1215

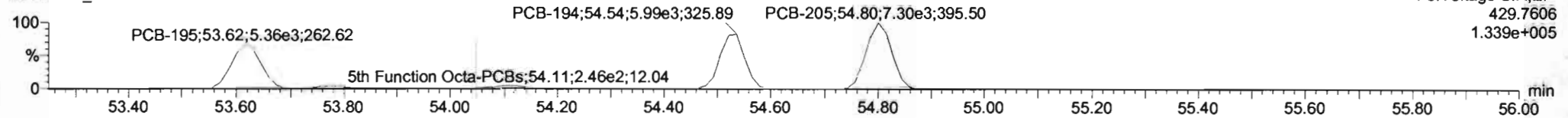
**PCB-195**

201125K1\_2



F5:Voltage SIR,EI+  
427.7635  
1.170e+005

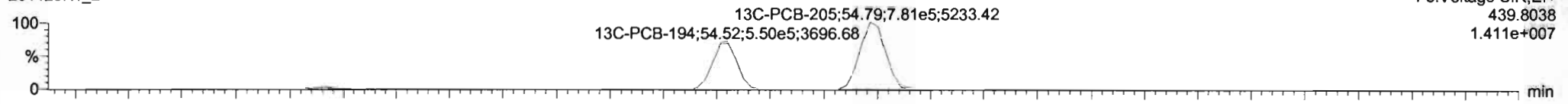
201125K1\_2



F5:Voltage SIR,EI+  
429.7606  
1.339e+005

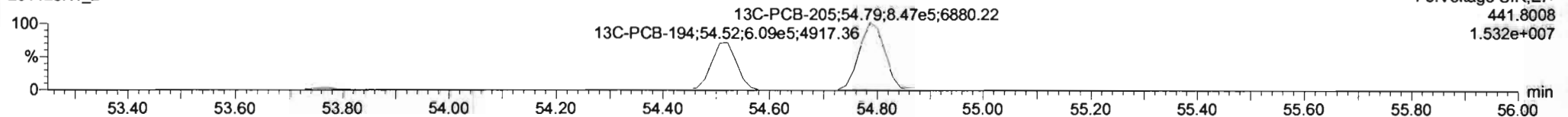
**13C-PCB-194**

201125K1\_2



F5:Voltage SIR,EI+  
439.8038  
1.411e+007

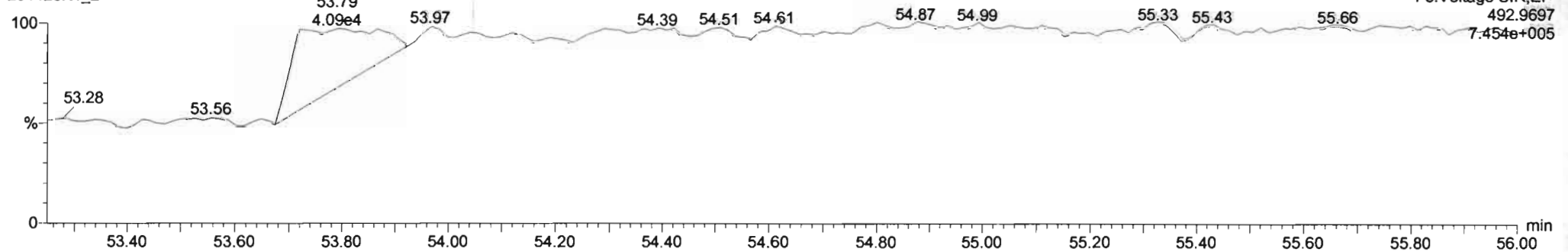
201125K1\_2



F5:Voltage SIR,EI+  
441.8008  
1.532e+007

**PFK5a**

201125K1\_2



F5:Voltage SIR,EI+  
492.9697  
7.454e+005

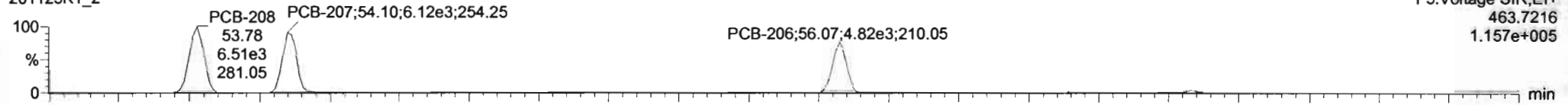
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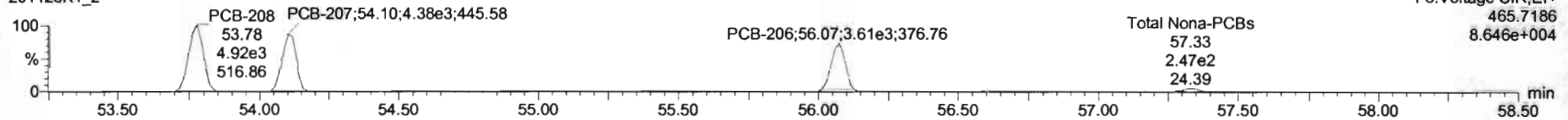
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**PCB-208**

201125K1\_2

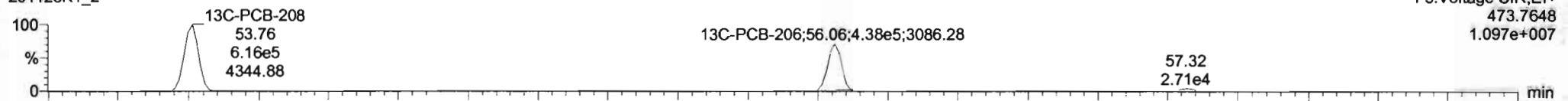


201125K1\_2

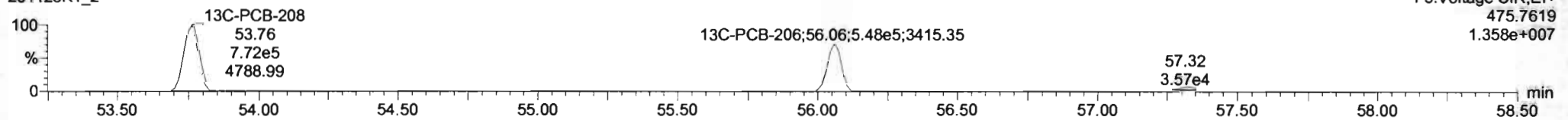


**13C-PCB-208**

201125K1\_2

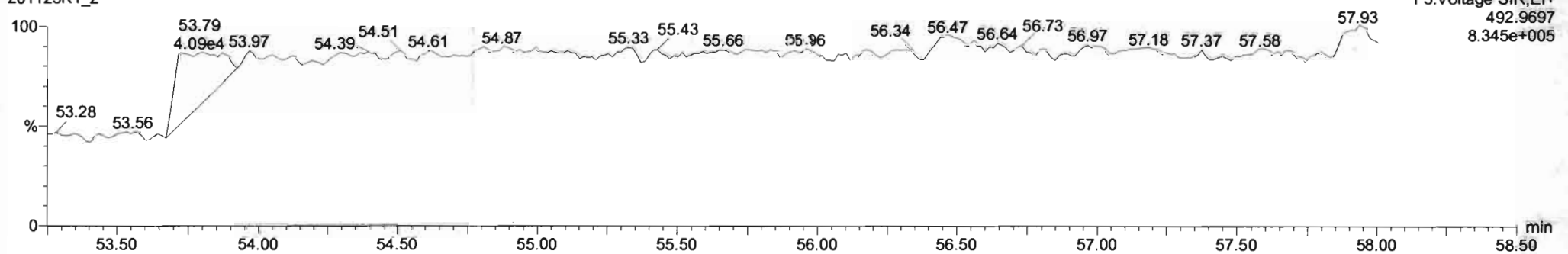


201125K1\_2



**PFK5**

201125K1\_2



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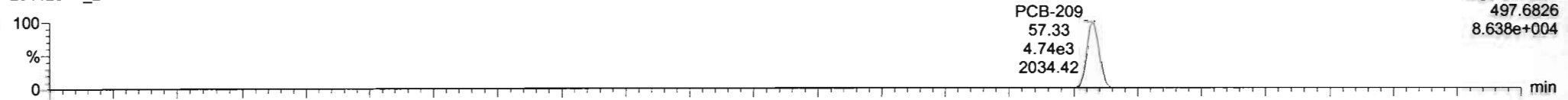
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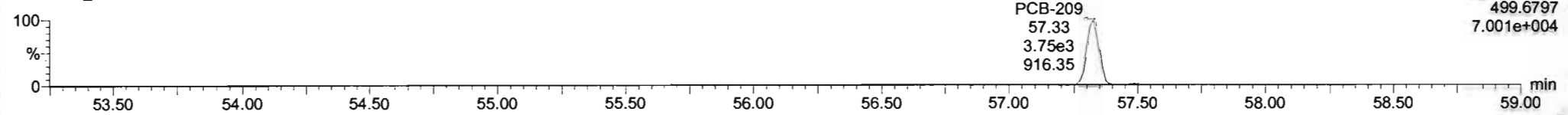
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**PCB-209**

201125K1\_2

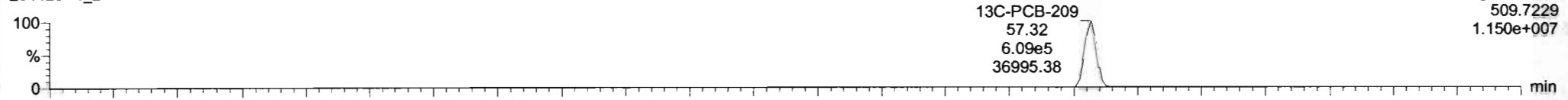


201125K1\_2

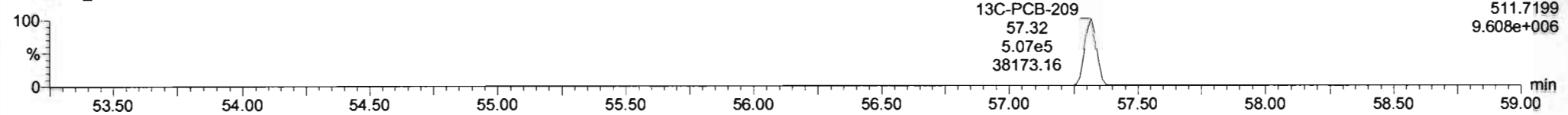


**13C-PCB-209**

201125K1\_2

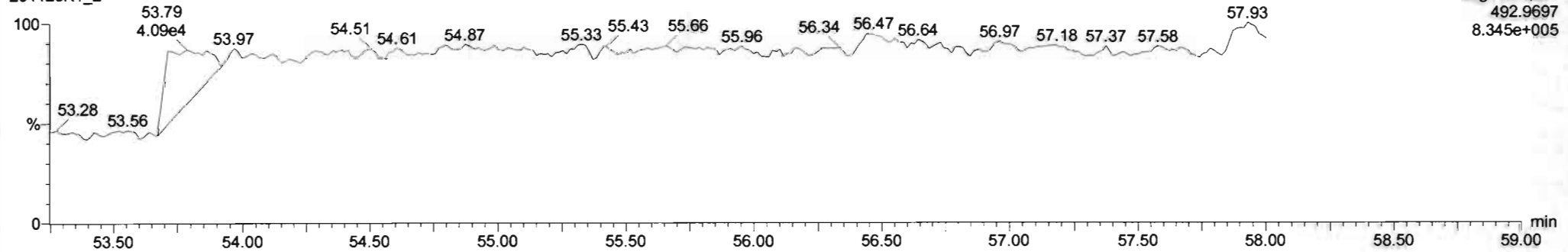


201125K1\_2



**PFK5b**

201125K1\_2

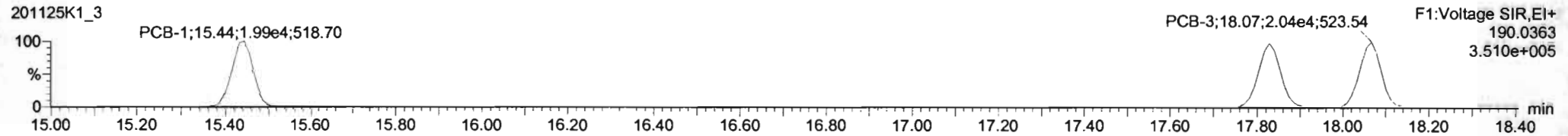
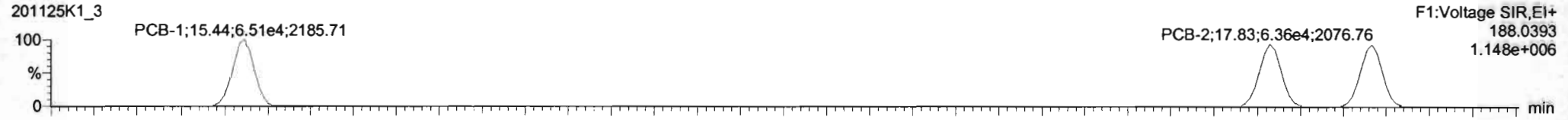


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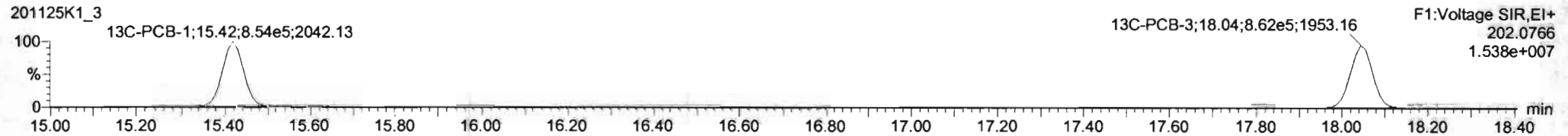
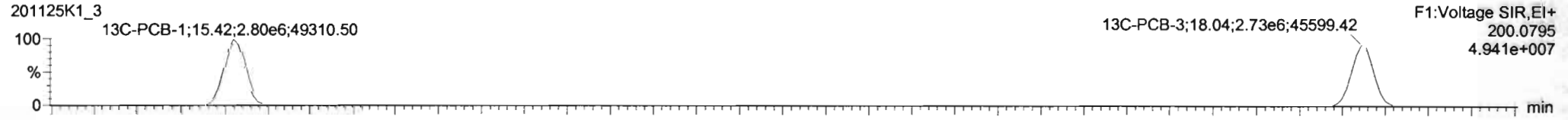
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Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

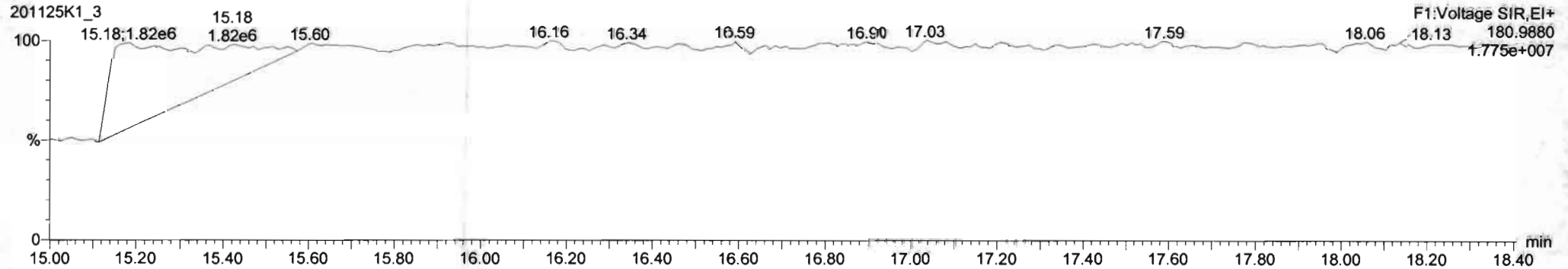
**PCB-1**



**13C-PCB-1**



**PFK1**

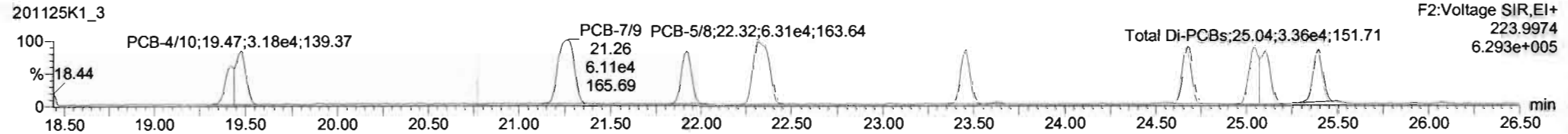
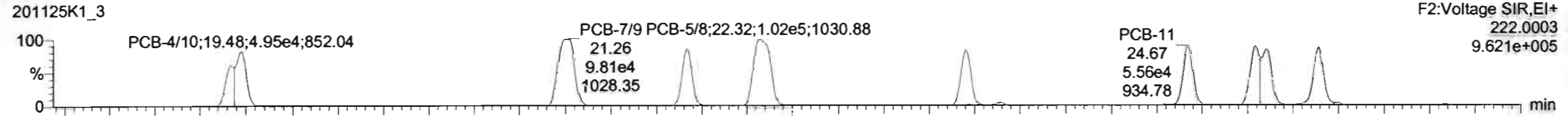


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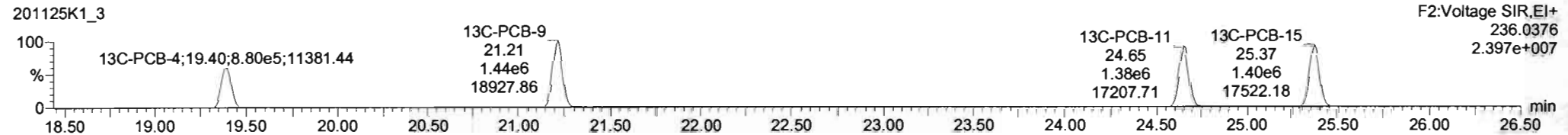
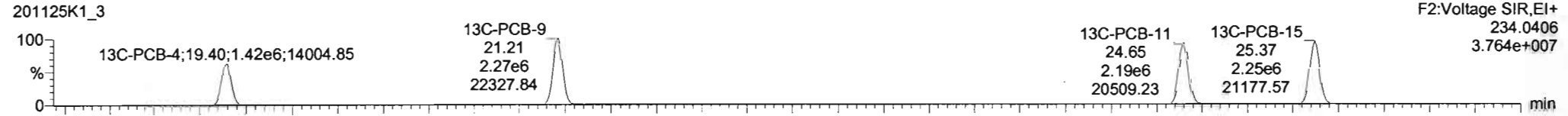
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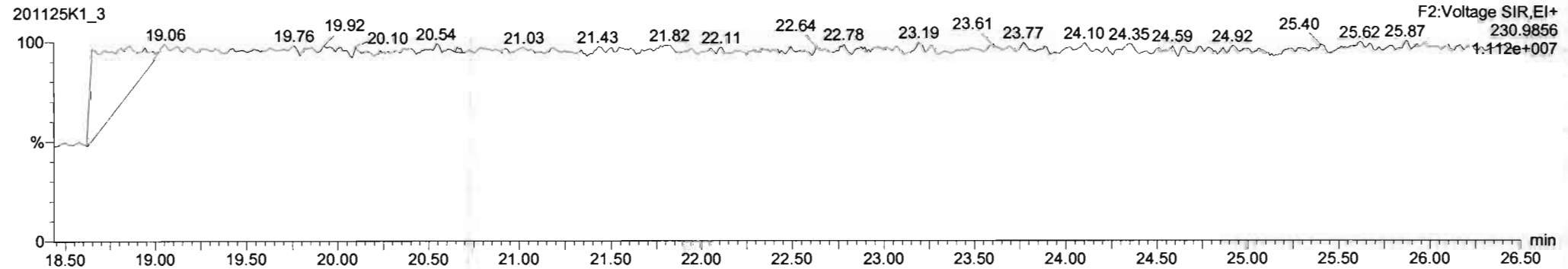
**PCB-4/10**



**13C-PCB-4**

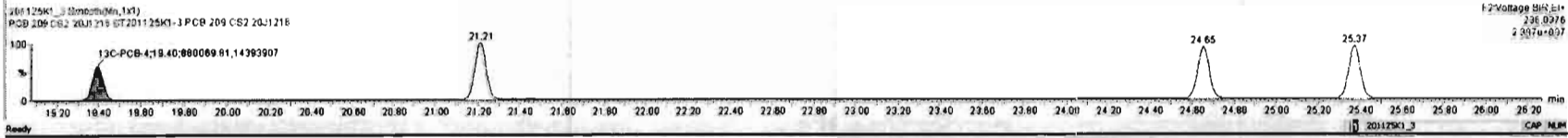
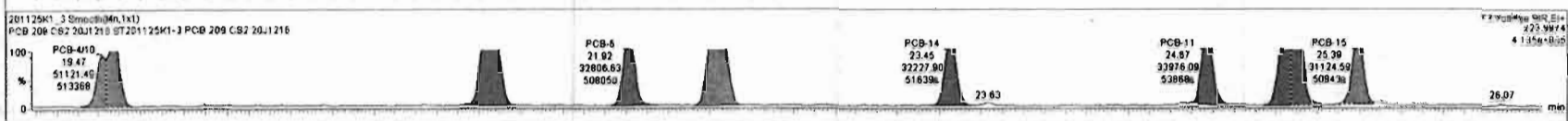
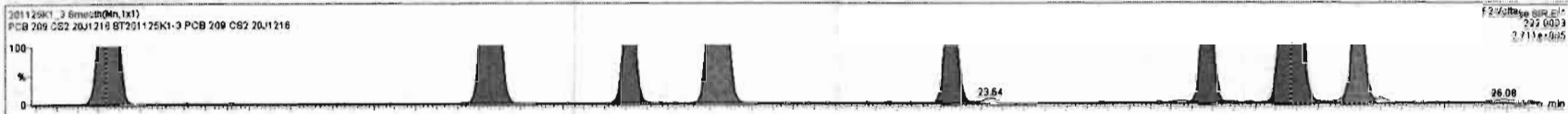


**PFK2a**



#	Name	Resp	RA	nly	RFV	wtAvd	PredRT	RT	PredR..	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	6.965		0.0116	6.965
225	Total Di-PCBs				1.0067	1.000	0.00		0.000		NO	27.80		0.129	27.80
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	18.03		0.0521	18.03
227	3rd Function Tri-PCBs				0.9887	1.000	0.00		0.000		NO	37.00		0.168	37.01
228	Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	86.03		0.287	86.03
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	92.90		0.252	92.90
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	11.36		0.0424	11.36
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	30.72		0.0769	30.72
232	4th Function Hexa-PCBs				1.0444	1.000	0.00		0.000		NO	43.40		0.133	43.40

#	Name	PredRT	RT	wt Resp	sd Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc.
4	PCB-4/10	19.46	19.48	7.849e4	5.112e4	1.560	1.55	NO	4.7030	4.7032
5	PCB-7/9	21.27	21.26	9.808e4	6.106e4	1.590	1.61	NO	4.5760	4.5769
6	PCB-6	21.92	21.92	5.121e4	3.281e4	1.590	1.56	NO	2.2770	2.2768
7	PCB-5/8	22.32	22.32	1.021e5	6.307e4	1.590	1.62	NO	4.5700	4.5702
8	PCB-14	23.44	23.45	5.152e4	3.223e4	1.590	1.60	NO	2.2910	2.2912
9	PCB-11	24.67	24.67	5.555e4	3.399e4	1.590	1.63	NO	2.2470	2.2469
7	PCB-12/13	25.10	25.04	1.014e5	6.620e4	1.590	1.53	NO	4.6000	4.6002
8	PCB-15	25.38	25.39	5.326e4	3.112e4	1.590	1.71	NO	2.3240	2.3243





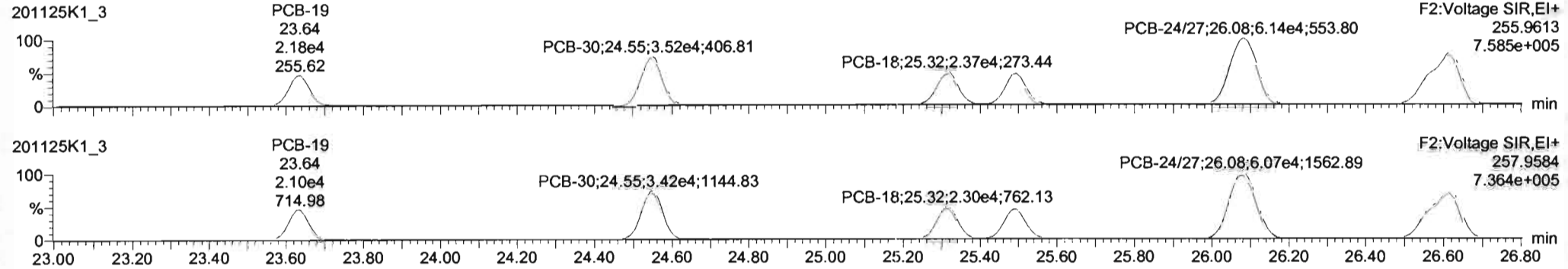
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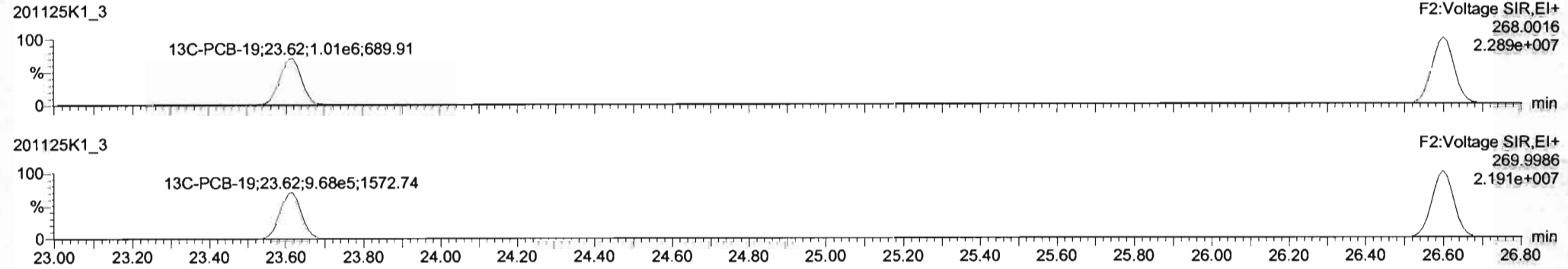
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

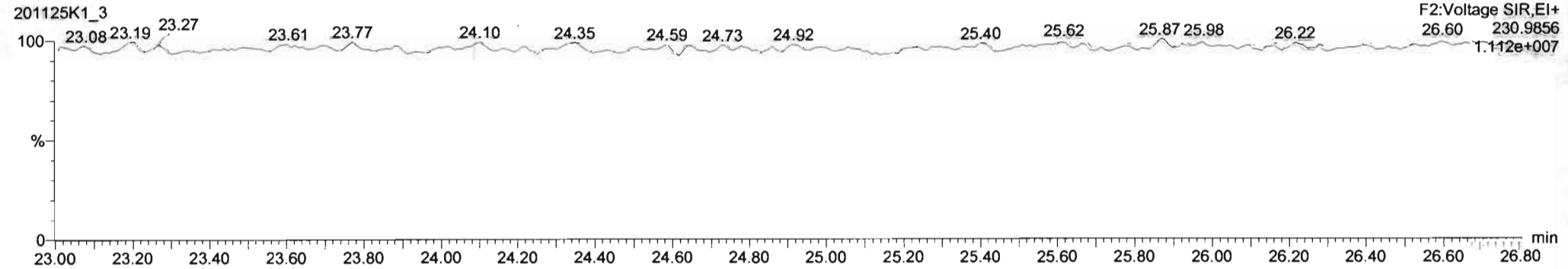
**PCB-19**



**13C-PCB-19**



**PFK2b**

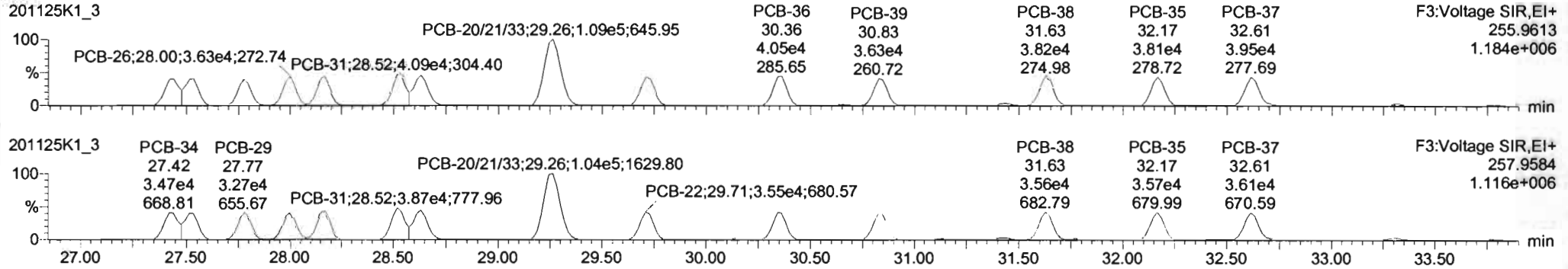


Dataset: Untitled

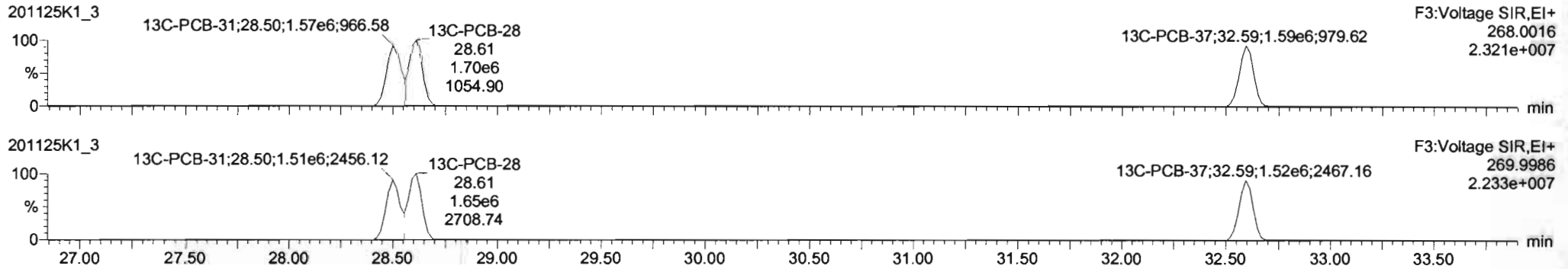
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

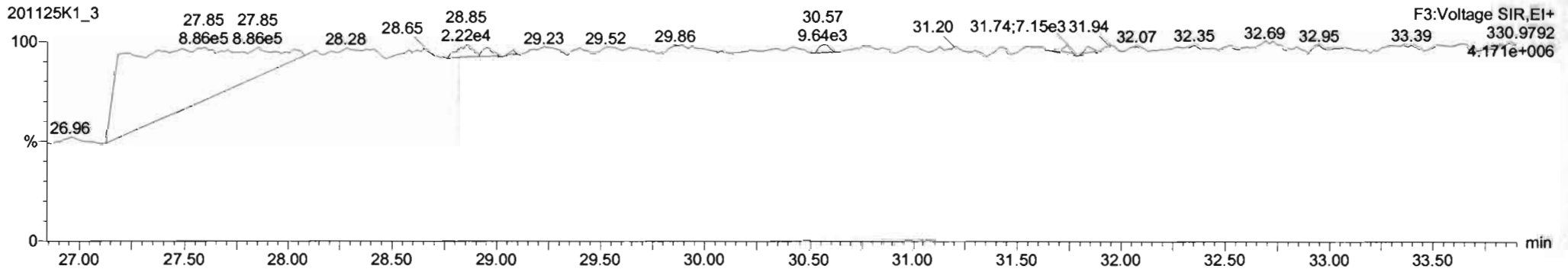
**PCB-34**

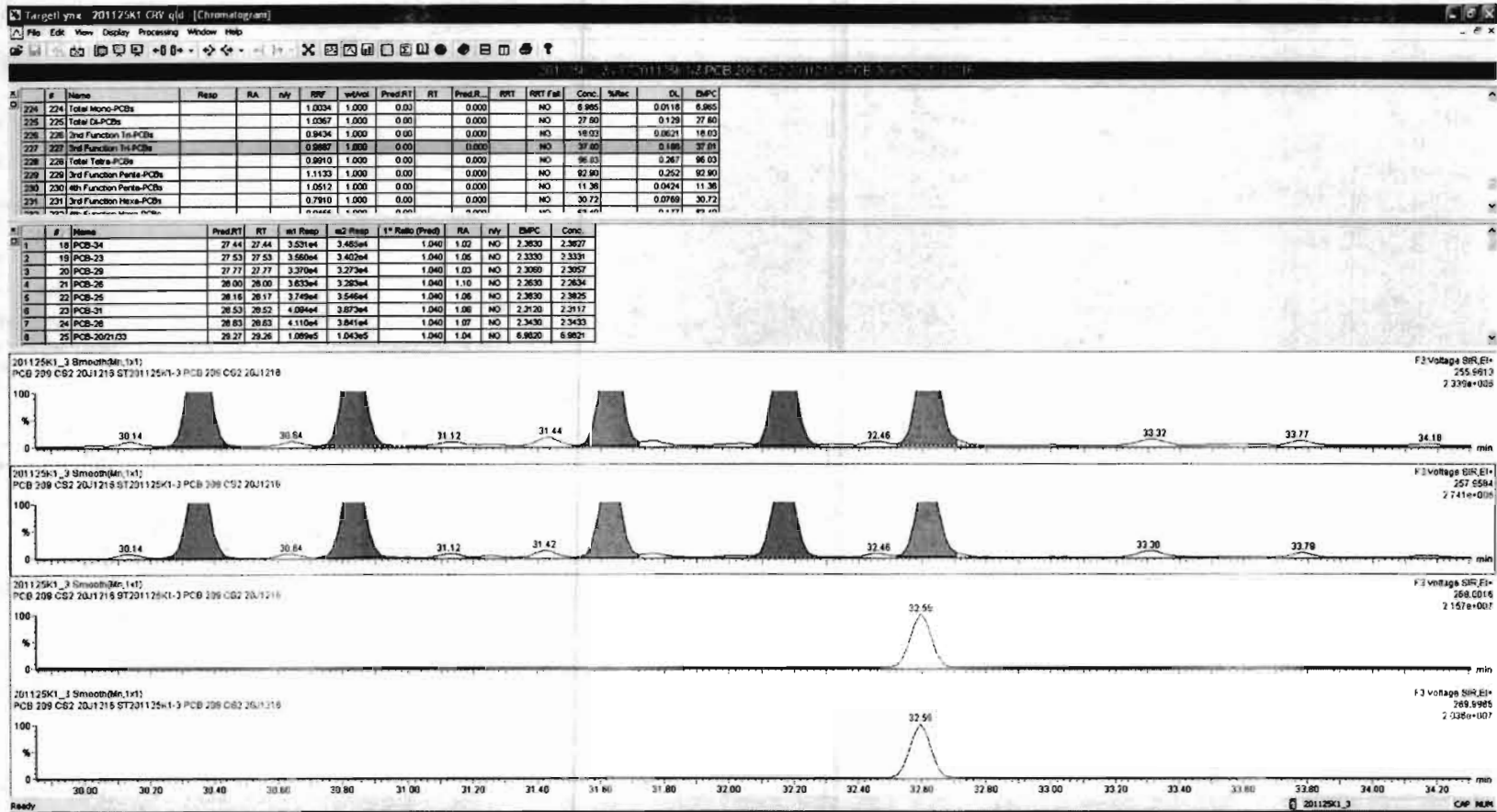


**13C-PCB-28**



**PFK3d**



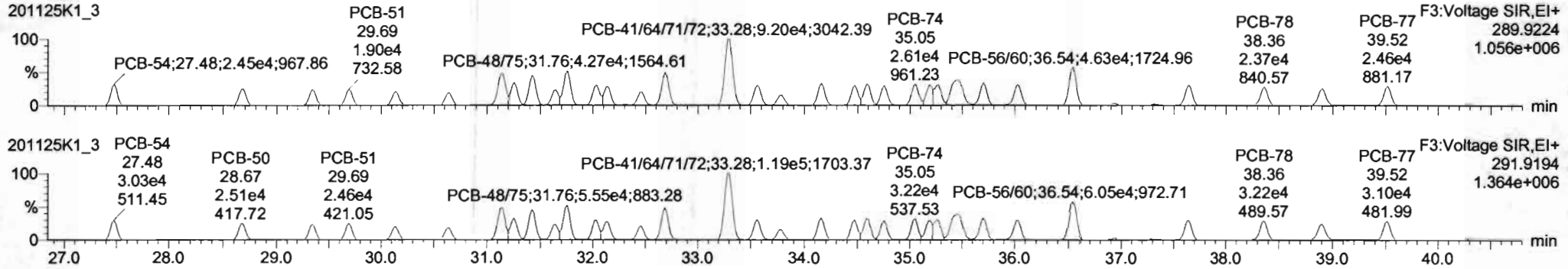


Dataset: Untitled

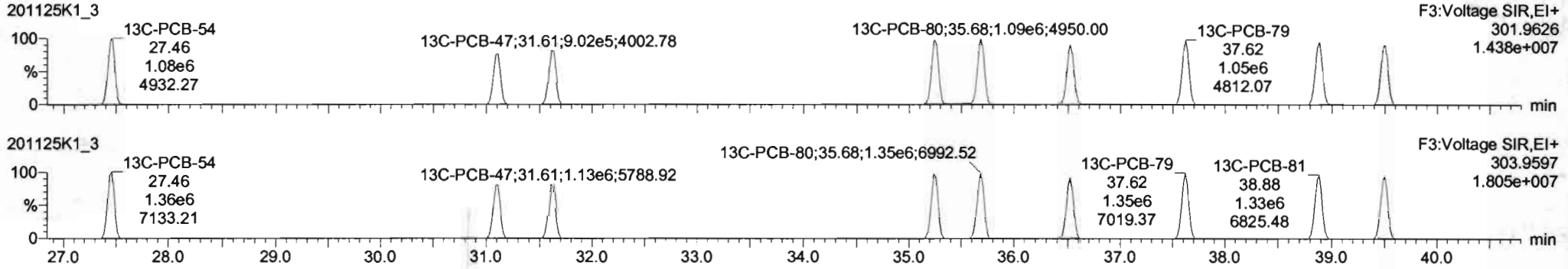
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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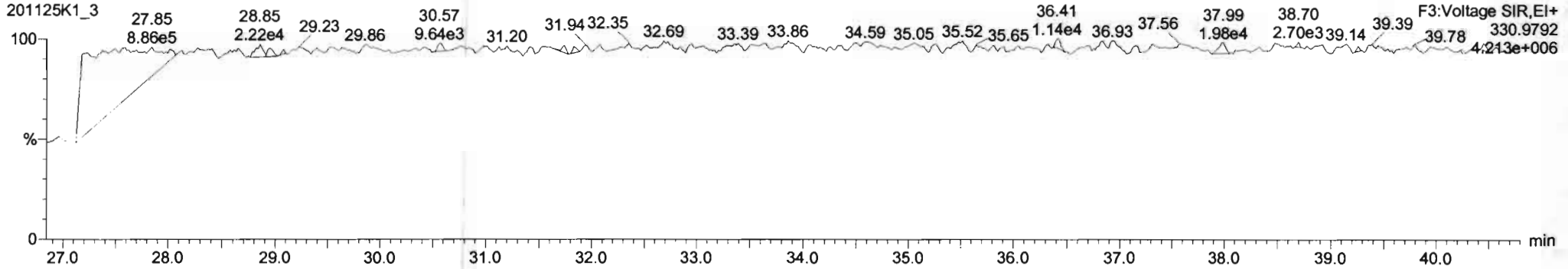
**PCB-54**



**13C-PCB-54**



**PFK3a**



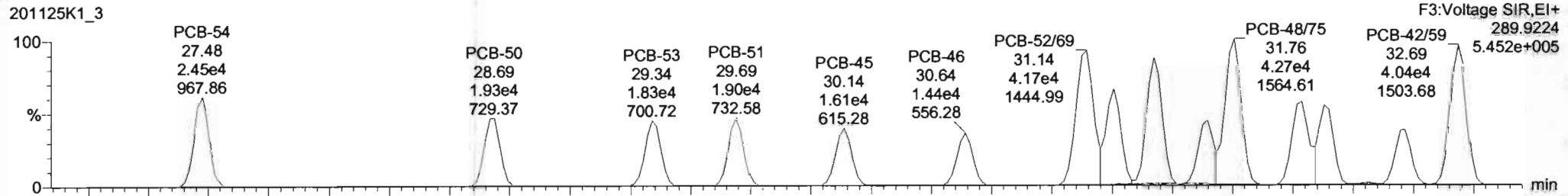
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

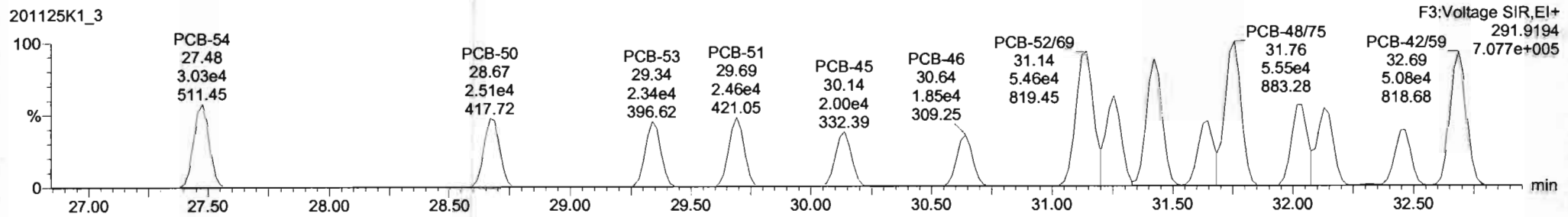
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

PCB-50

201125K1\_3

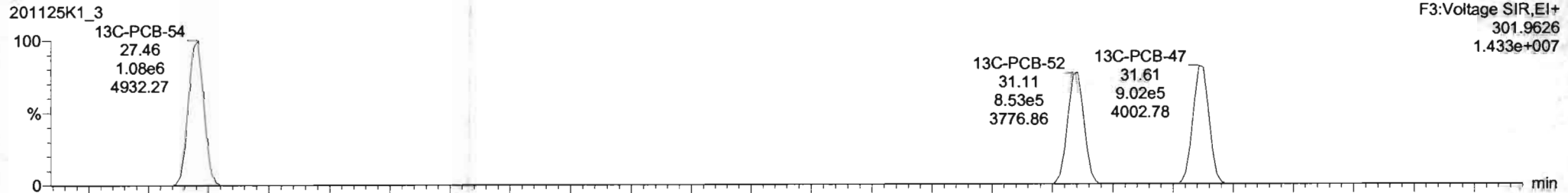


201125K1\_3

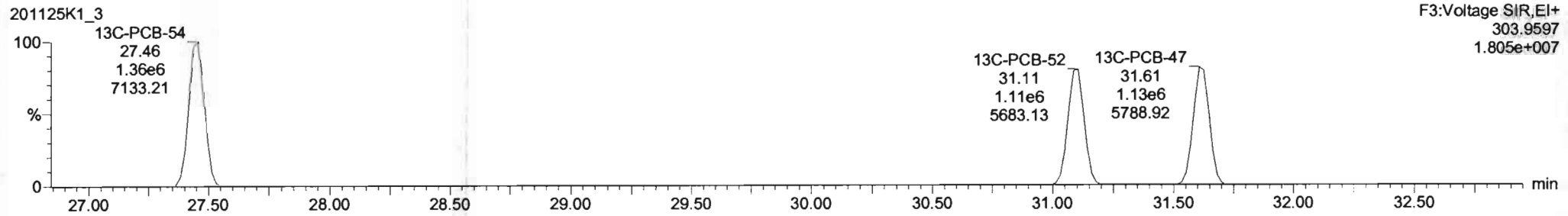


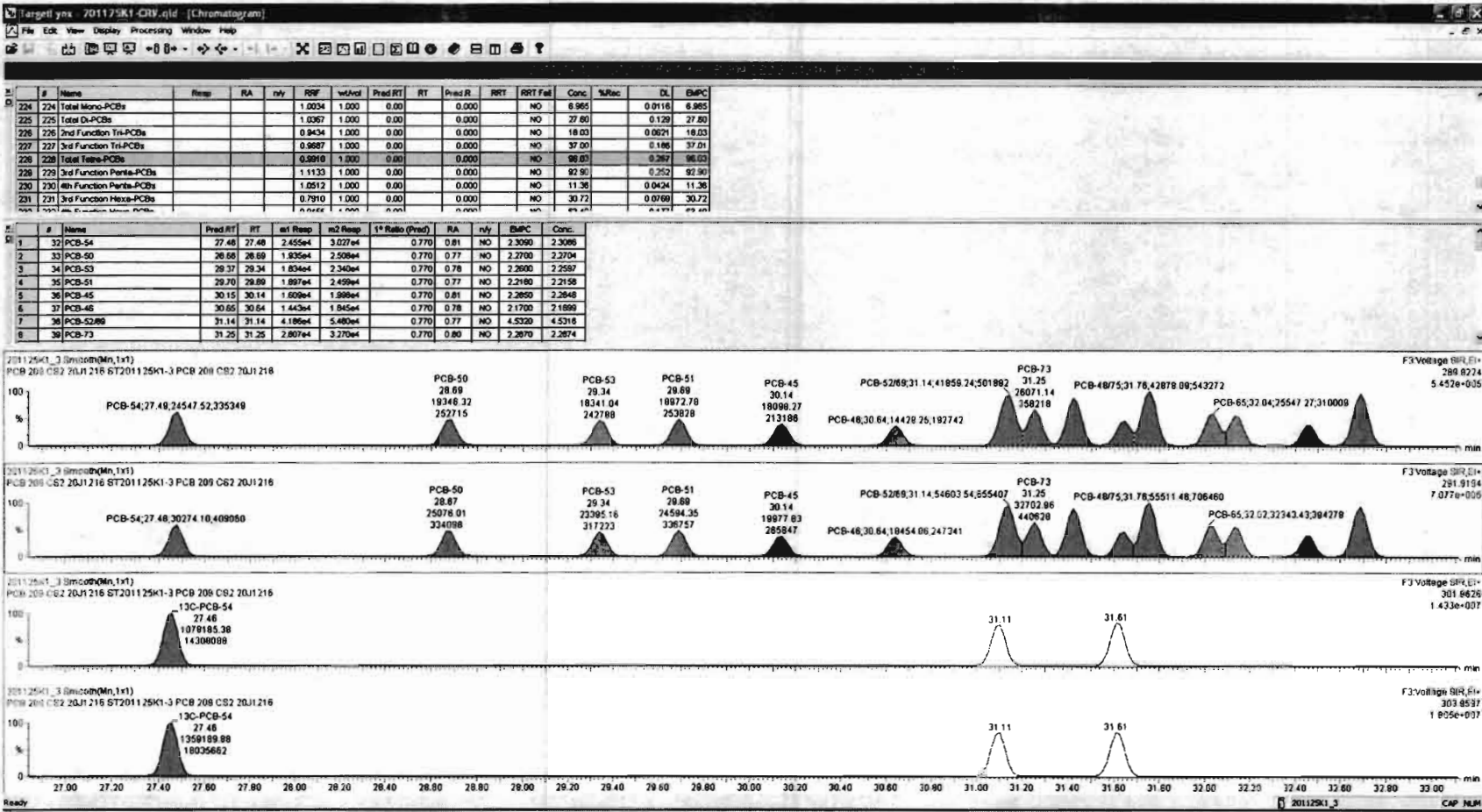
13C-PCB-52

201125K1\_3



201125K1\_3



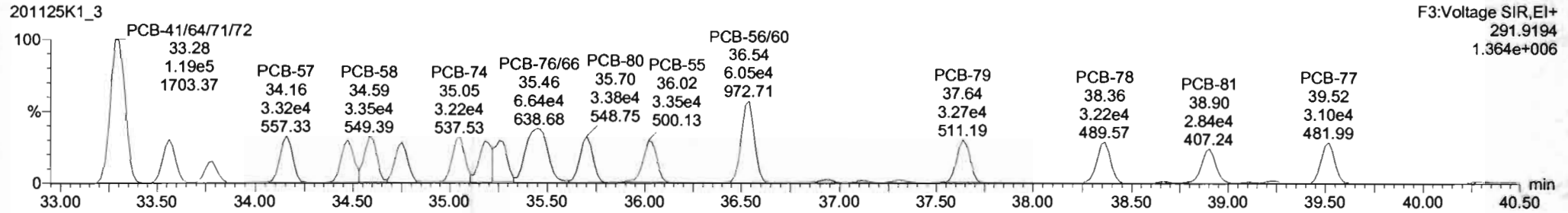
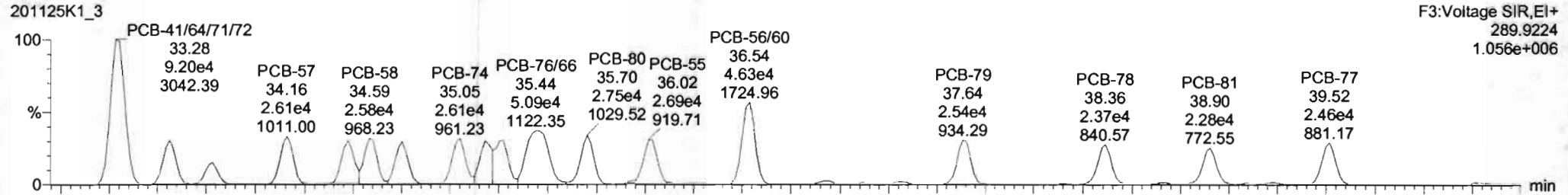


Dataset: Untitled

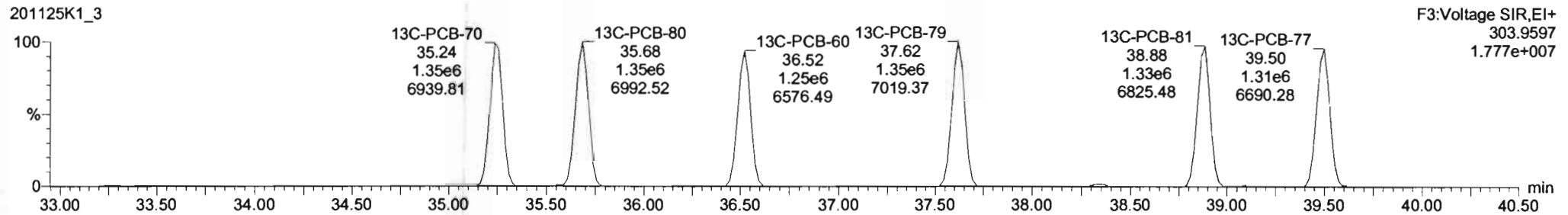
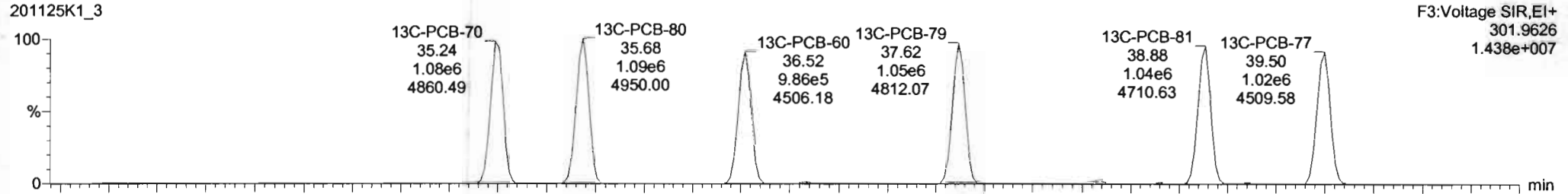
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

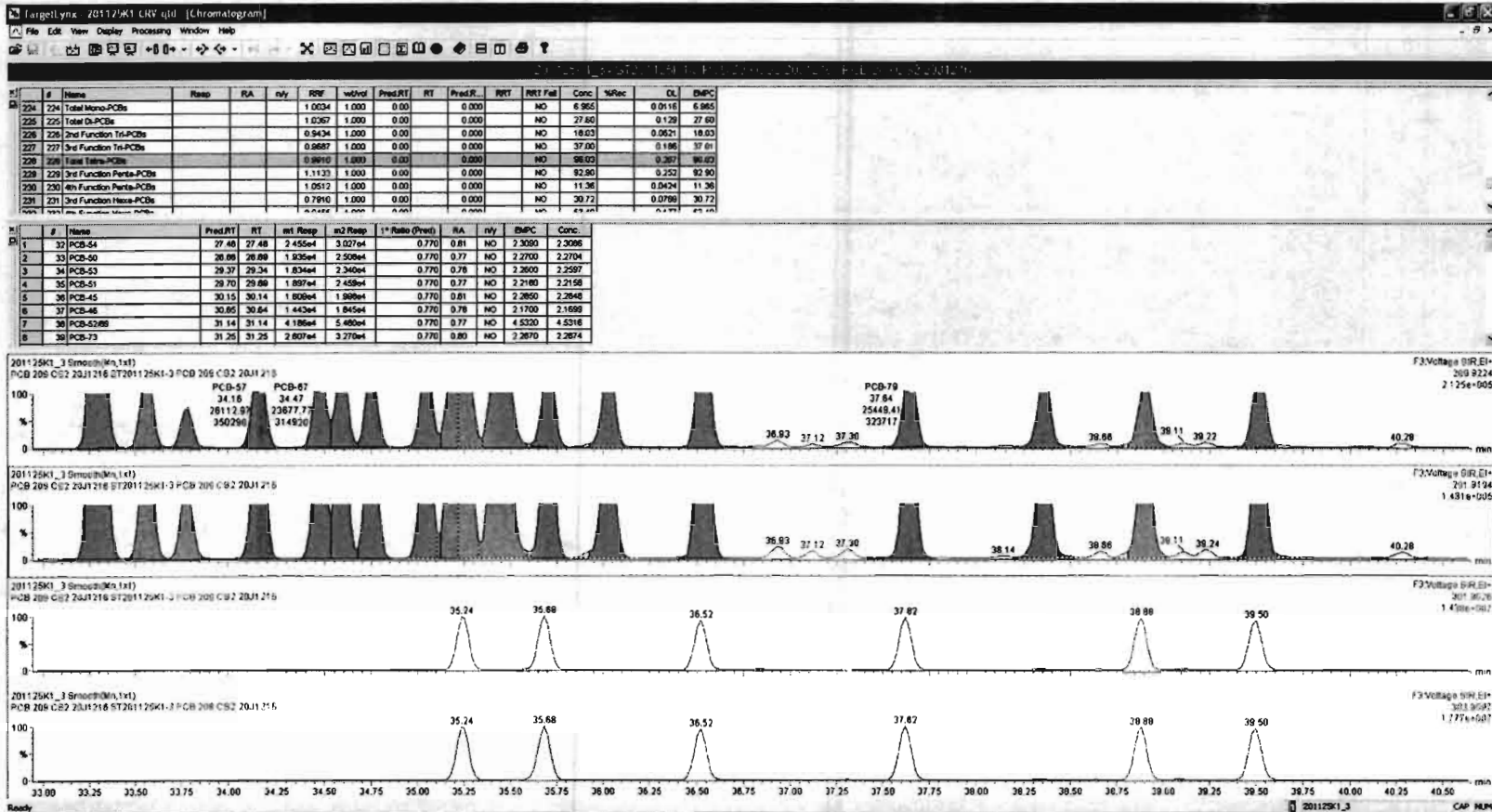
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PCB-68



13C-PCB-60







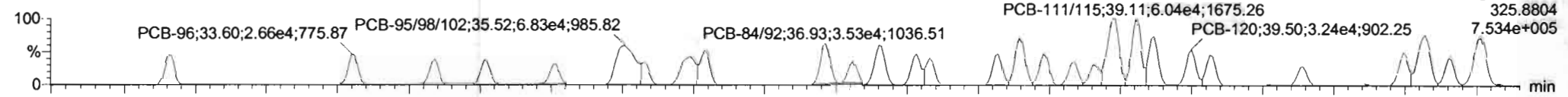
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

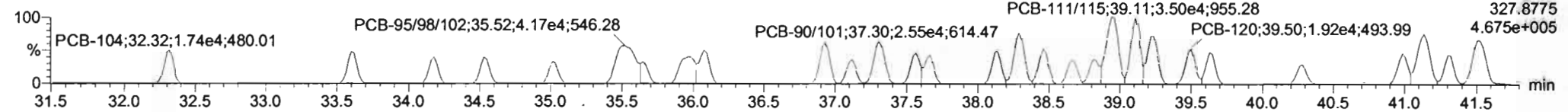
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**PCB-104**

201125K1\_3

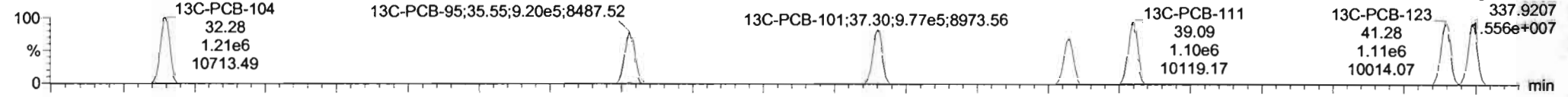


201125K1\_3

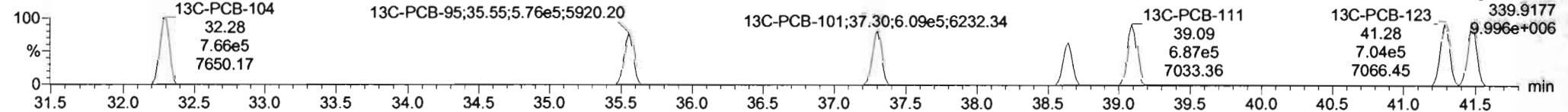


**13C-PCB-104**

201125K1\_3

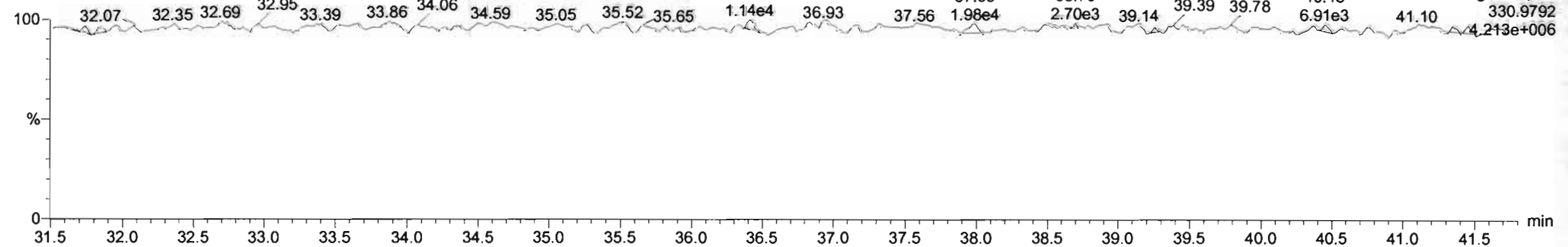


201125K1\_3



**PFK3b**

201125K1\_3



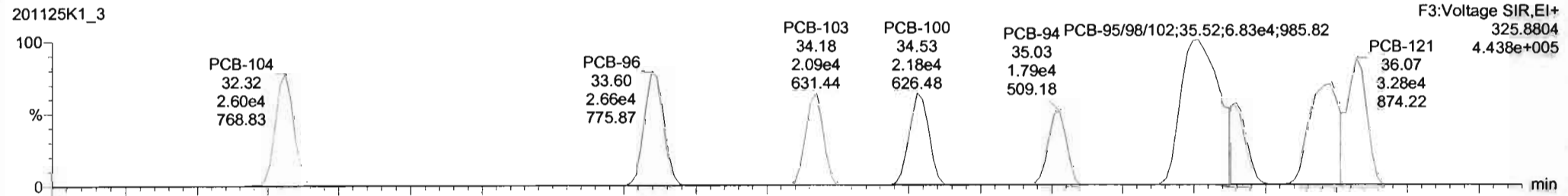
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

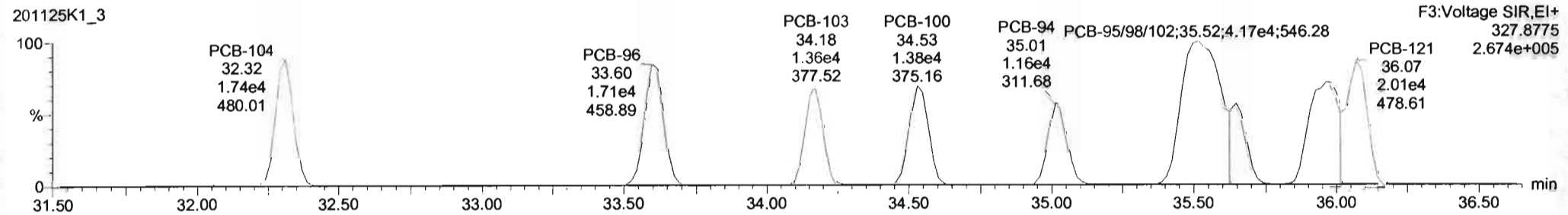
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**PCB-96**

201125K1\_3

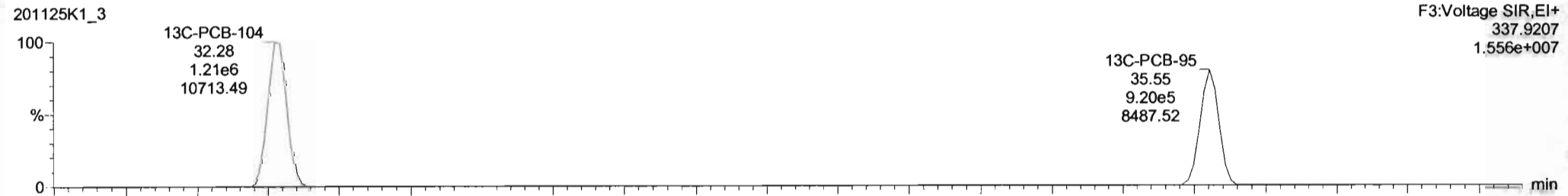


201125K1\_3

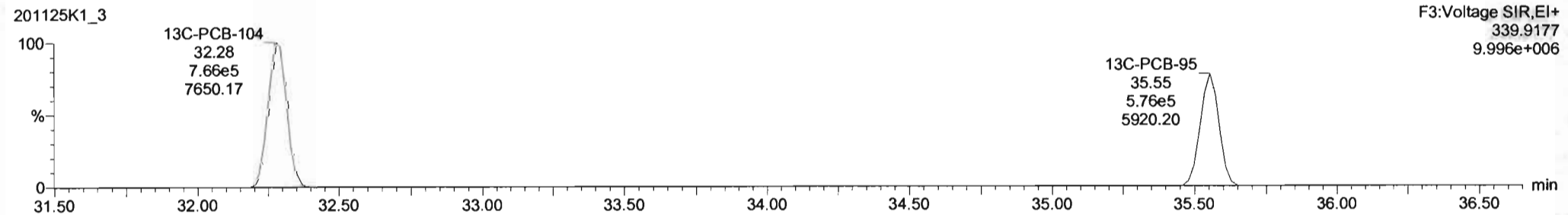


**13C-PCB-95**

201125K1\_3



201125K1\_3

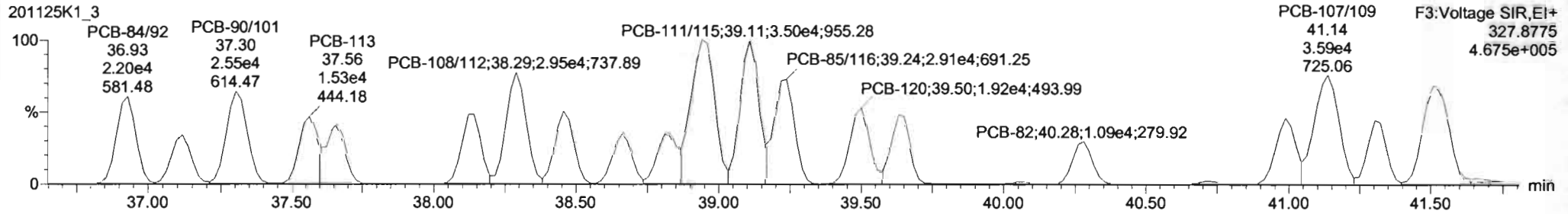
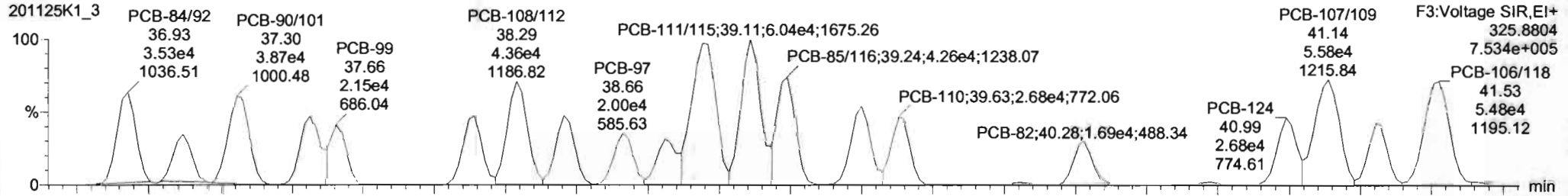


Dataset: Untitled

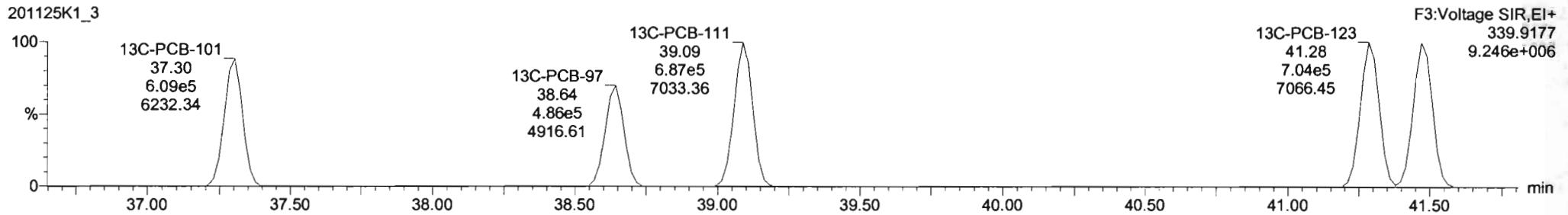
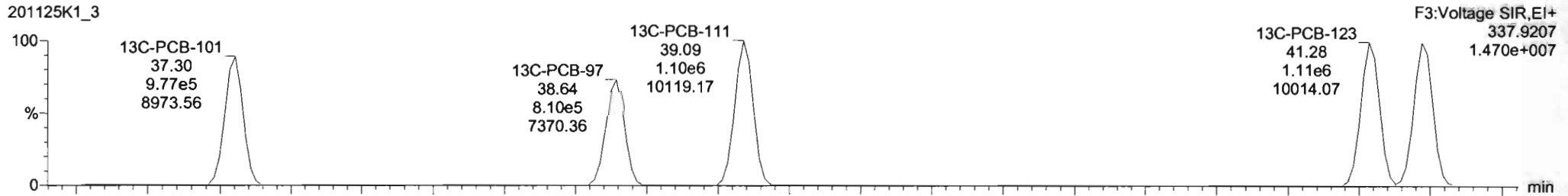
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

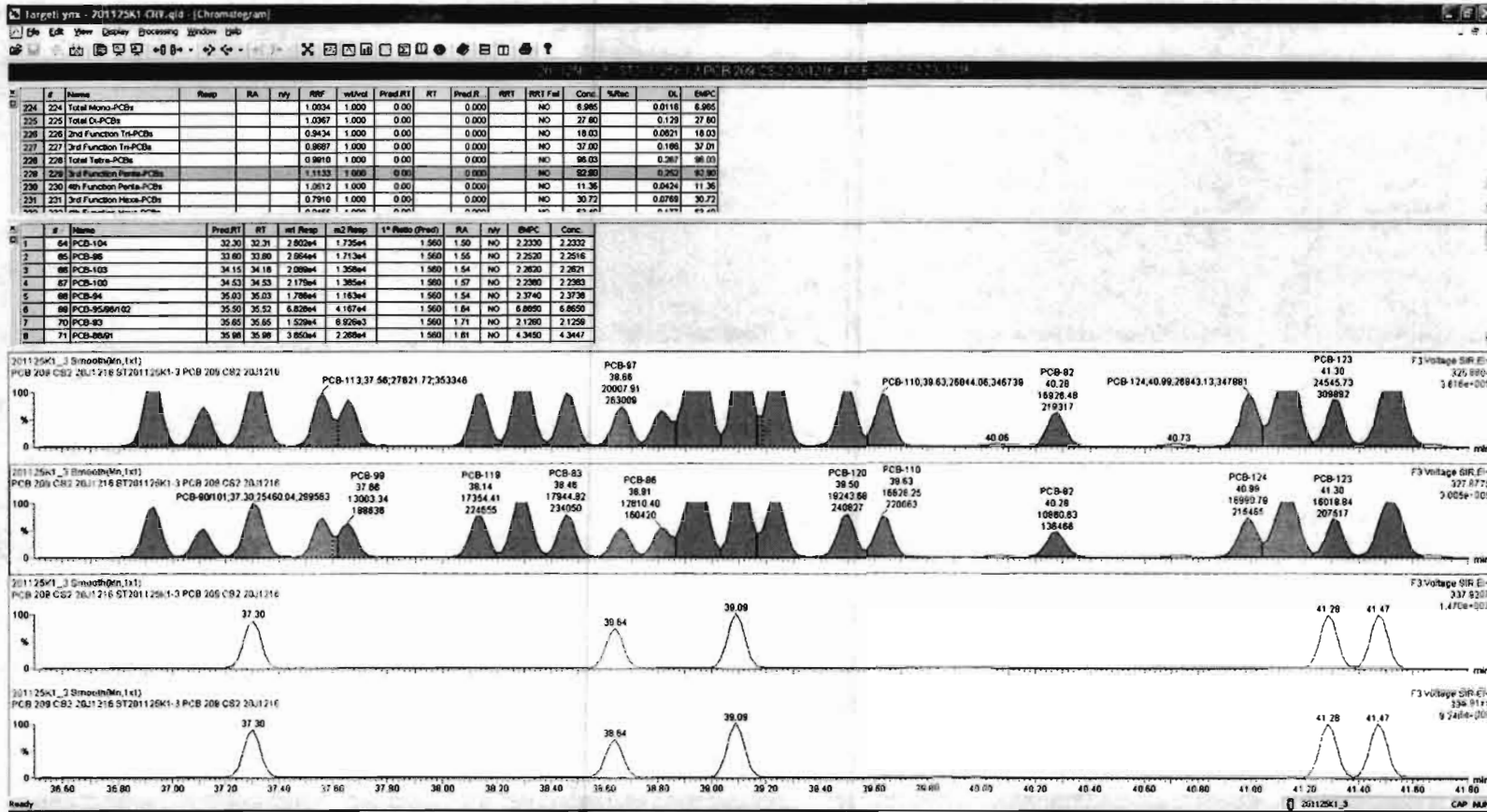
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

PCB-119



13C-PCB-111



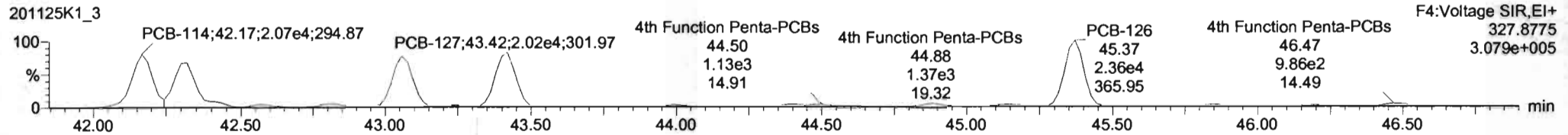
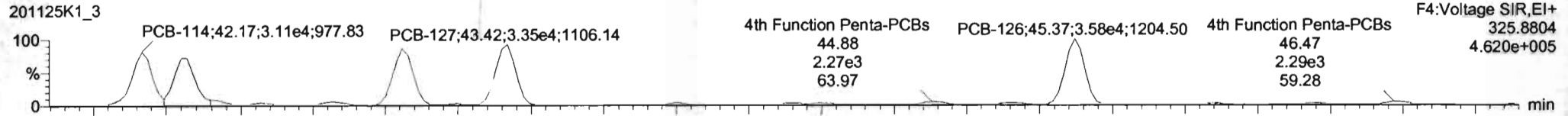


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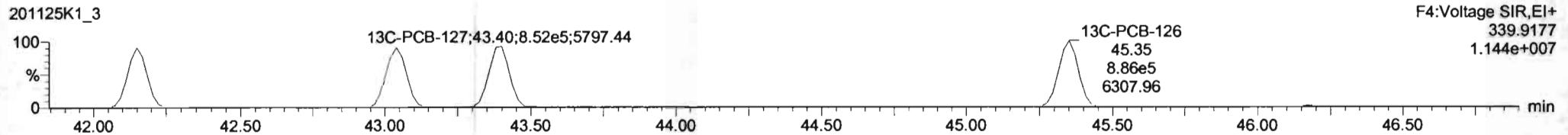
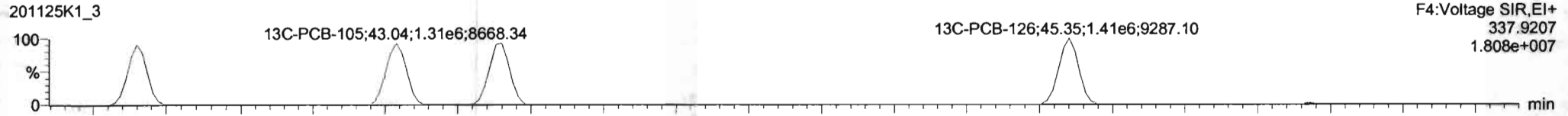
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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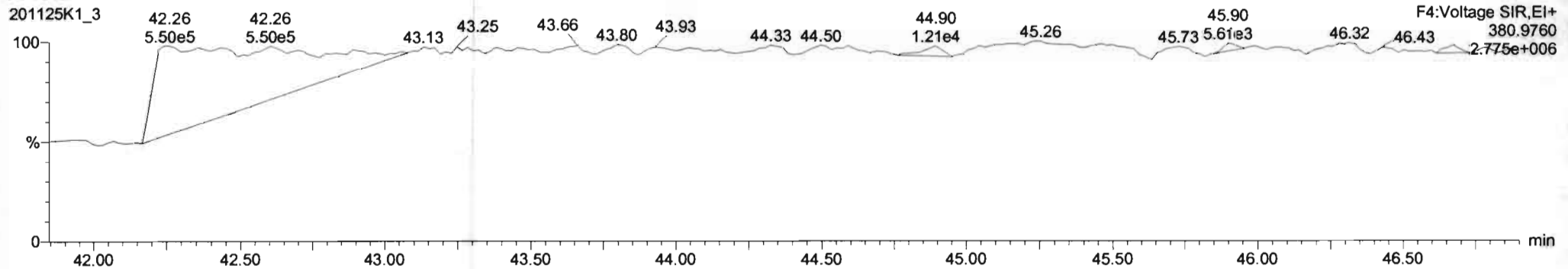
**PCB-114**



**13C-PCB-114**

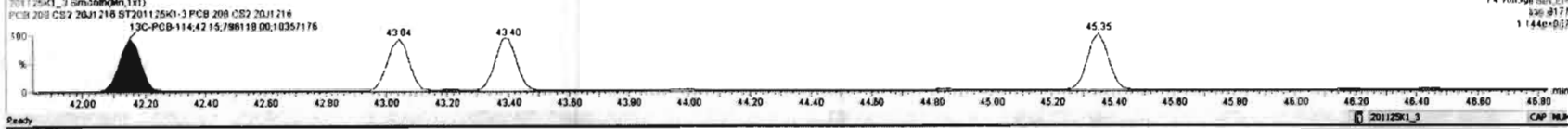
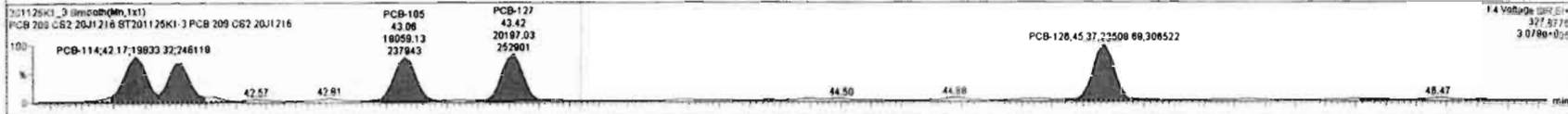


**PFK4a**



#	Name	Resp	RA	nly	RRF	wtVol	Pred.RT	RT	Pred.R	RRT	RRT Fal	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	6.985		0.0116	6.965
225	225 Total Di-PCBs				1.0067	1.000	0.00	0.000			NO	27.80		0.129	27.60
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	18.03		0.0621	18.03
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000			NO	37.00		0.186	37.01
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	86.03		0.267	86.03
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	62.93		0.252	62.90
230	230 4th Function Penta-PCBs				1.0913	1.000	0.00	0.000			NO	11.28		0.0624	11.28
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000			NO	30.72		0.0769	30.72

#	Name	Pred.RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nly	EMPC	Conc
1	93 PCB-114	42.17	42.17	2.983e4	1.983e4	1.580	1.50	NO	2.2210	2.2200
2	84 PCB-122	42.33	42.33	3.710e4	1.898e4	1.580	1.80	NO	2.3070	2.3073
3	85 PCB-105	43.06	43.06	3.107e4	1.805e4	1.550	1.63	NO	2.2830	2.2826
4	86 PCB-127	43.42	43.42	3.353e4	2.020e4	1.580	1.86	NO	2.2970	2.2968
5	97 PCB-126	45.37	45.37	3.578e4	2.351e4	1.580	1.52	NO	2.2450	2.2449



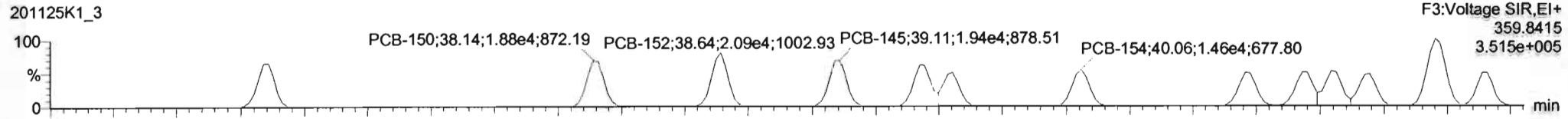
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

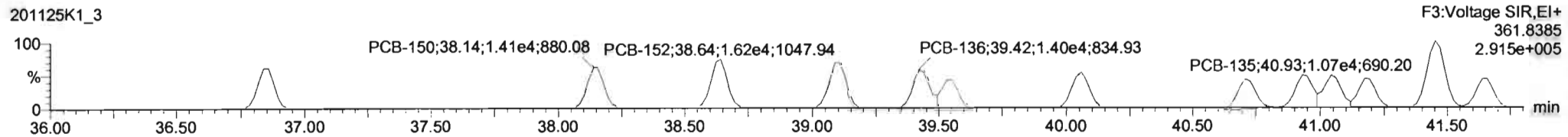
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**PCB-155**

201125K1\_3

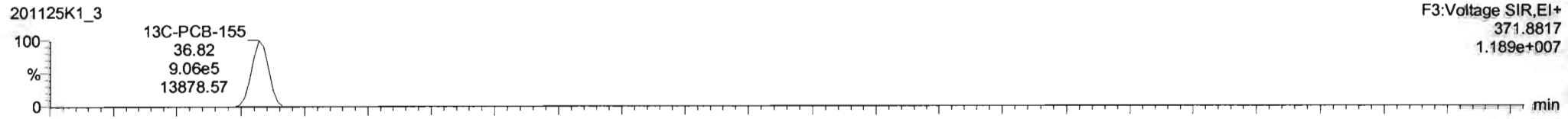


201125K1\_3

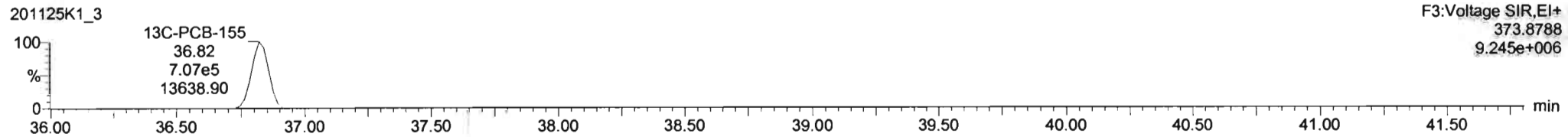


**13C-PCB-155**

201125K1\_3

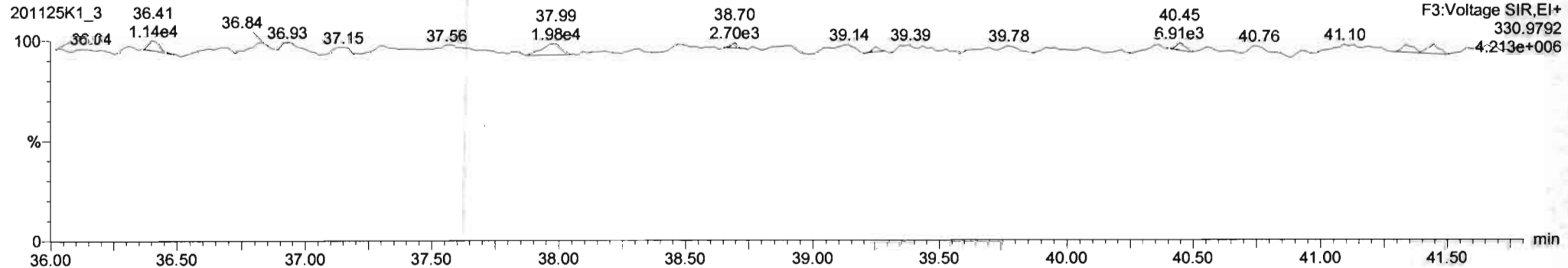


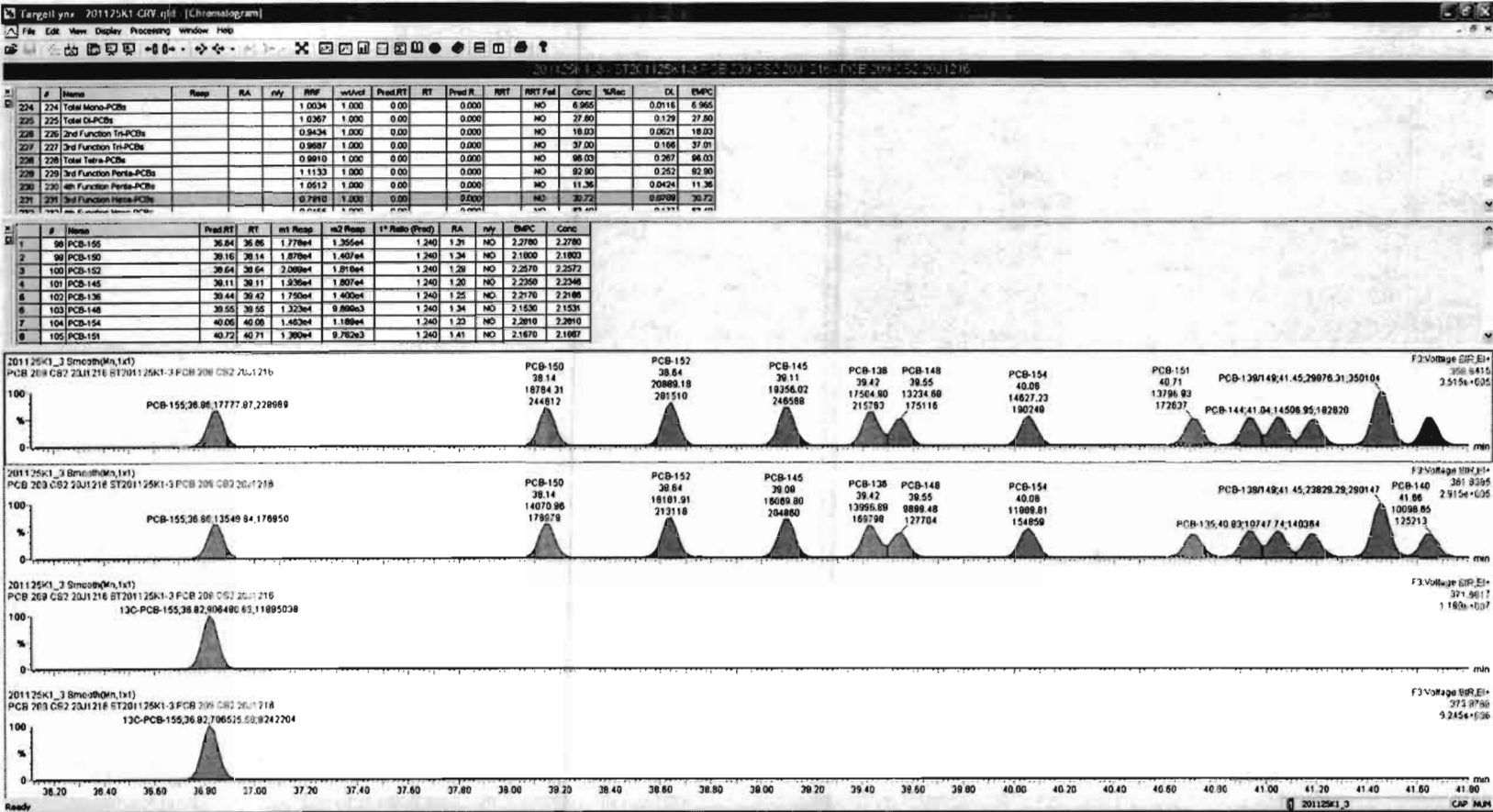
201125K1\_3



**PFK3c**

201125K1\_3





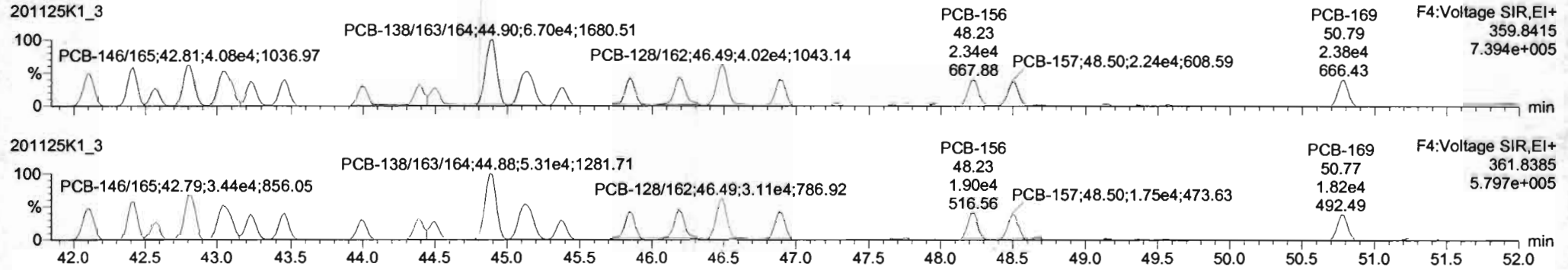


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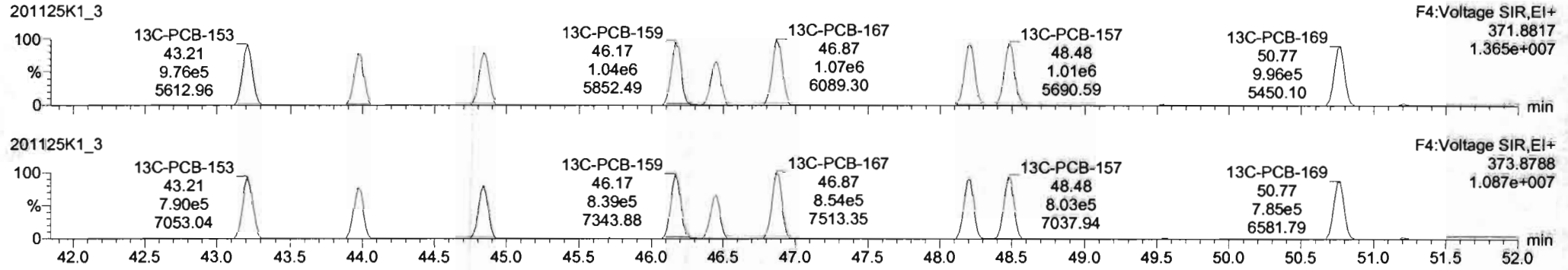
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

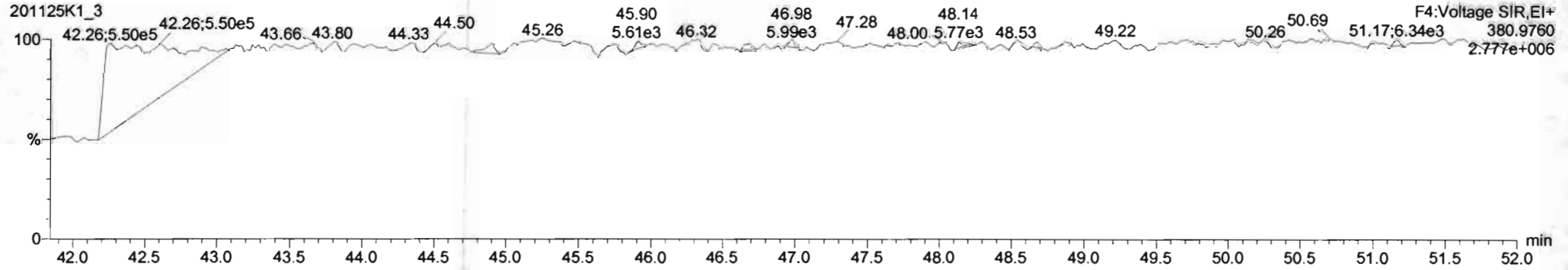
**PCB-134/143**



**13C-PCB-153**

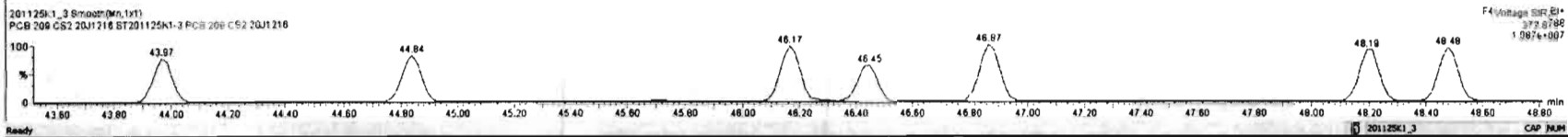
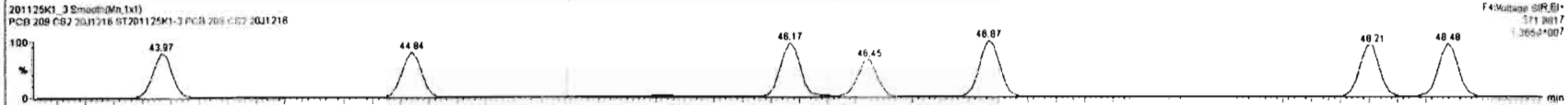
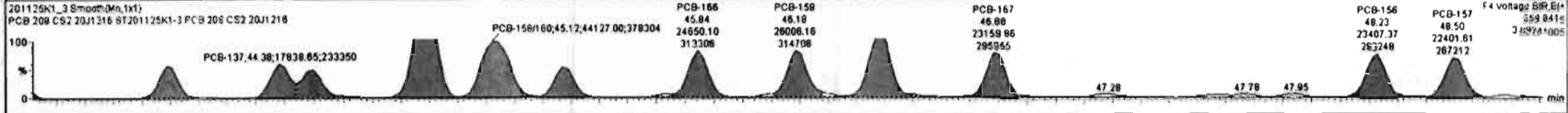


**PFK4b**



#	Name	Resp	RA	nHy	RRF	wt/vol	Pred RT	RT	Pred R...	RRT	RRT Fal	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	6.965	0.0116	6.965	
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.000			NO	27.60	0.129	27.60	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	18.03	0.0621	18.03	
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000			NO	37.00	0.168	37.01	
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	96.03	0.267	96.03	
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	92.90	0.252	92.90	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO	11.36	0.0424	11.36	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000			NO	30.72	0.0768	30.72	

#	Name	Pred RT	RT	wt Resp	m2 Resp	1* Ratio (Pred)	RA	nHy	EMPC	Conc
1	111 PCB-134n43	42.11	42.08	3.241e4	2.567e4	1.240	1.26	NO	4.5020	4.5915
2	112 PCB-137n33	42.42	42.41	3.338e4	2.846e4	1.240	1.26	NO	4.4060	4.4063
3	113 PCB-142	42.56	42.57	1.597e4	1.226e4	1.240	1.23	NO	2.2530	2.2526
4	114 PCB-146n65	42.81	42.81	4.077e4	3.439e4	1.240	1.19	NO	4.5100	4.5103
5	115 PCB-132n61	43.08	43.04	4.228e4	3.347e4	1.240	1.26	NO	4.4810	4.4813
6	116 PCB-153	43.25	43.23	2.205e4	1.793e4	1.240	1.23	NO	2.2860	2.2862
7	117 PCB-168	43.46	43.46	2.243e4	1.768e4	1.240	1.27	NO	2.1950	2.1945
8	118 PCB-141	43.99	43.99	1.892e4	1.356e4	1.240	1.25	NO	2.1810	2.1806



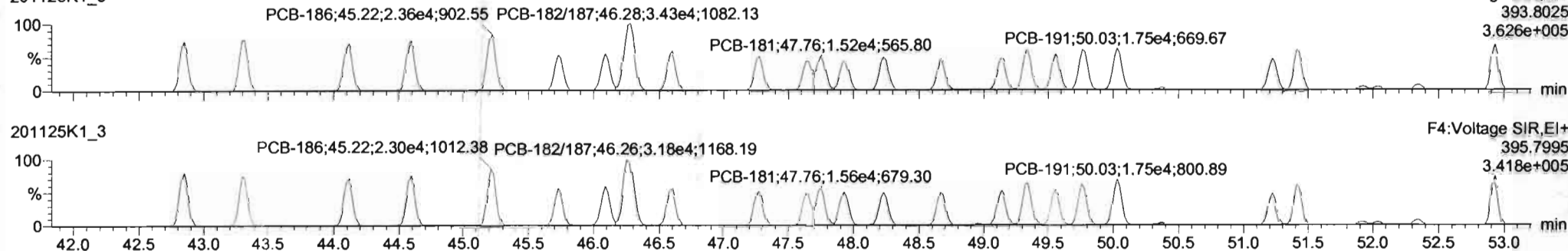
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

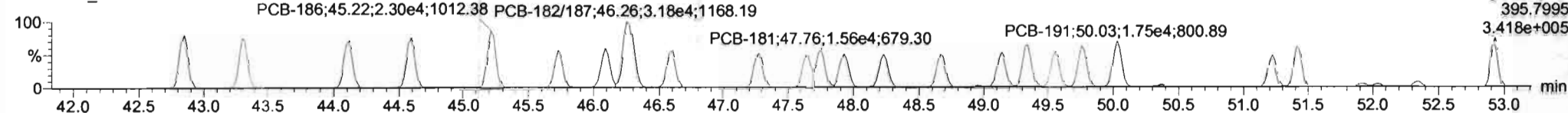
Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

**PCB-188**

201125K1\_3

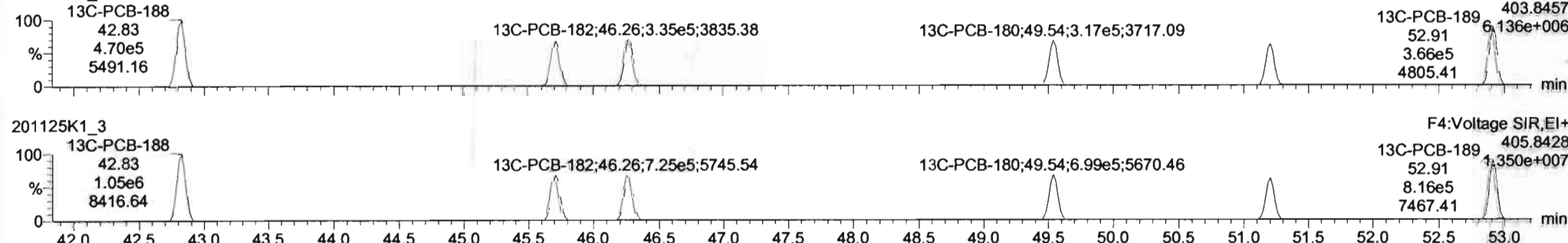


201125K1\_3

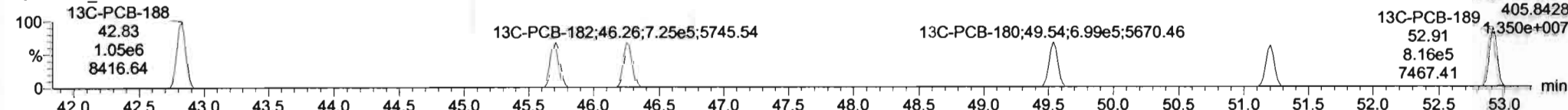


**13C-PCB-188**

201125K1\_3

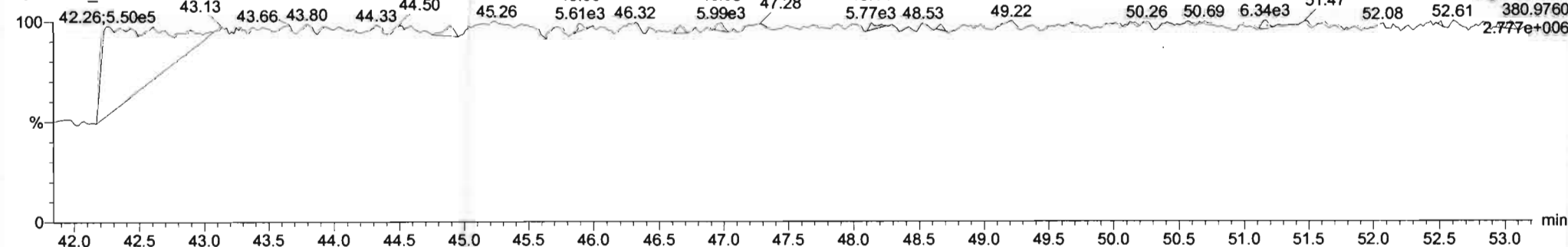


201125K1\_3



**PFK4c**

201125K1\_3

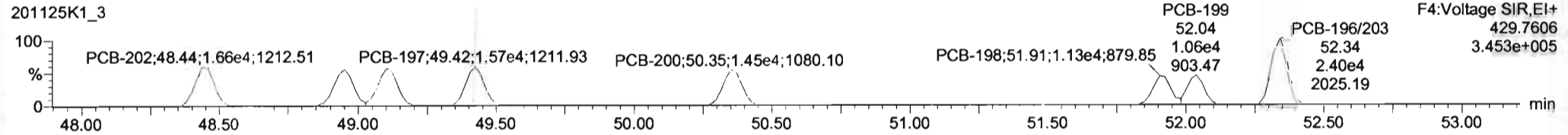
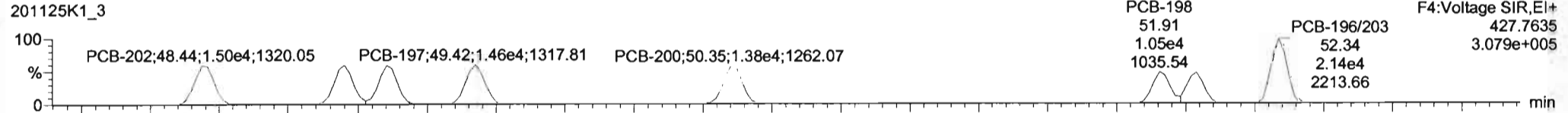


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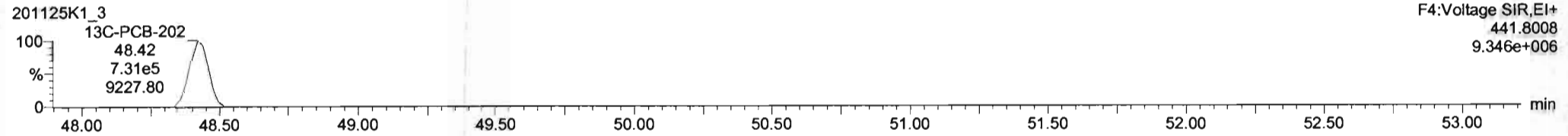
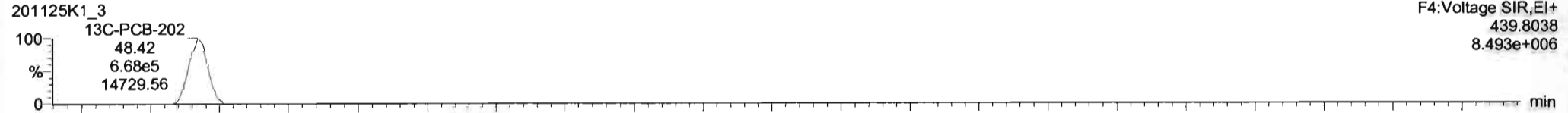
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

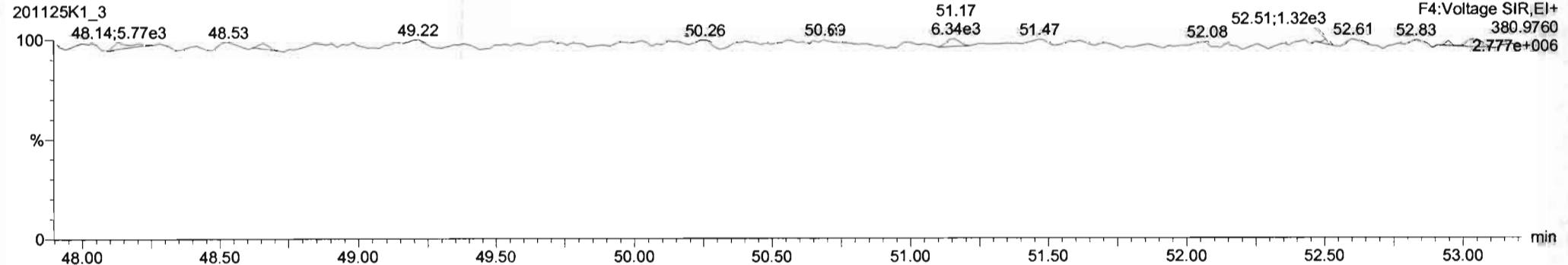
**PCB-202**



**13C-PCB-202**



**PFK4d**

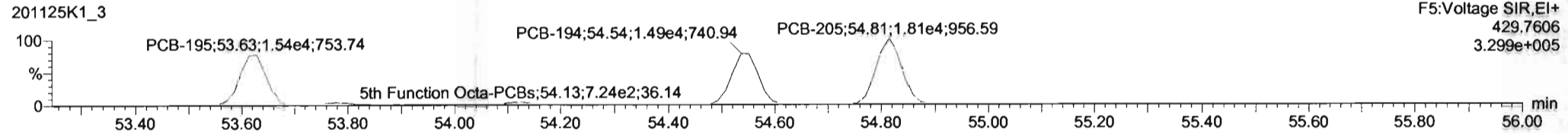
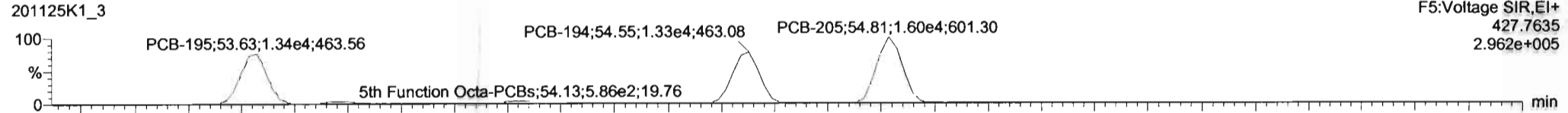


Dataset: Untitled

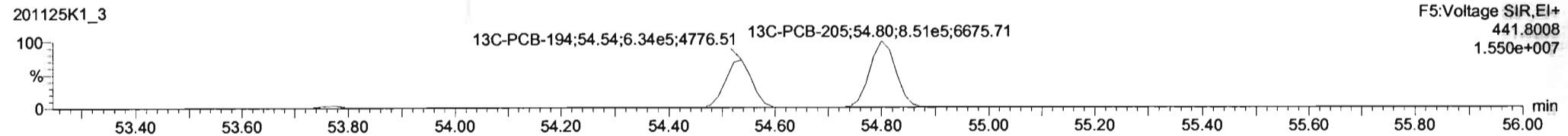
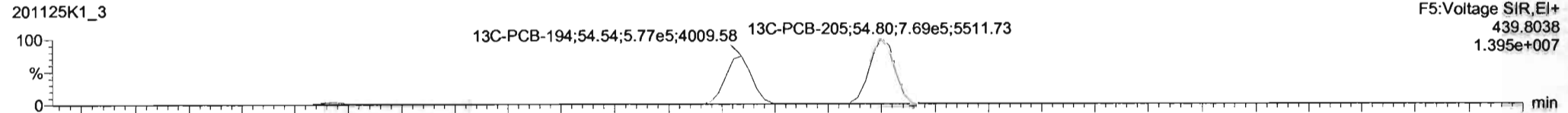
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

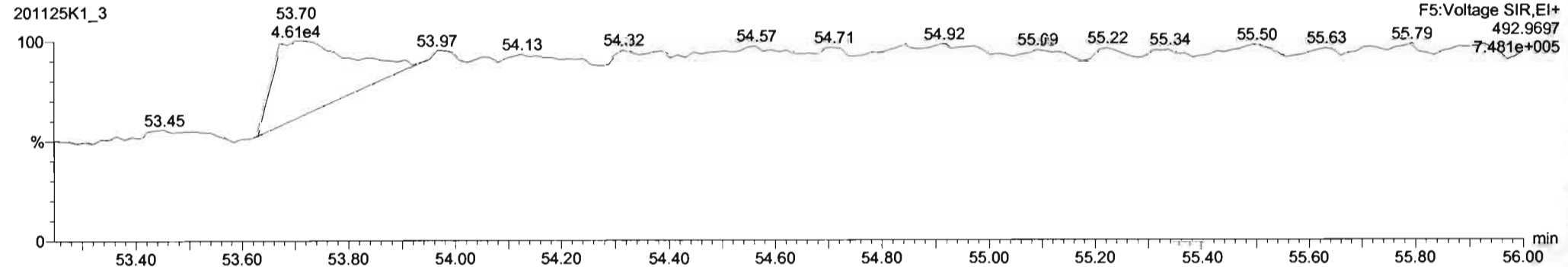
**PCB-195**



**13C-PCB-194**



**PFK5a**

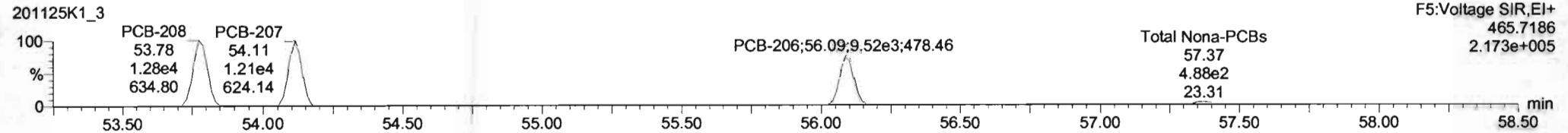
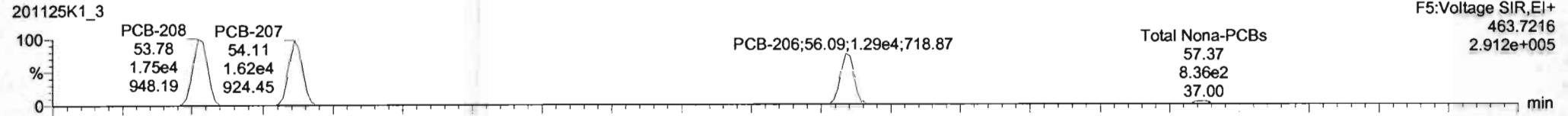


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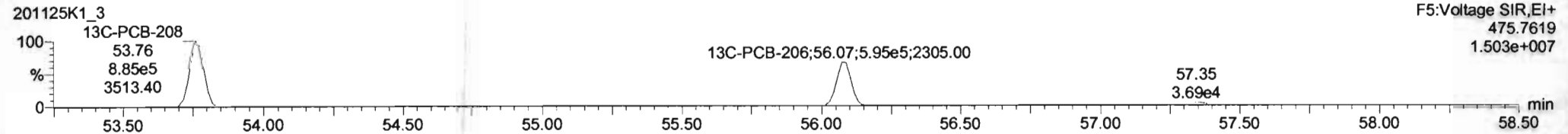
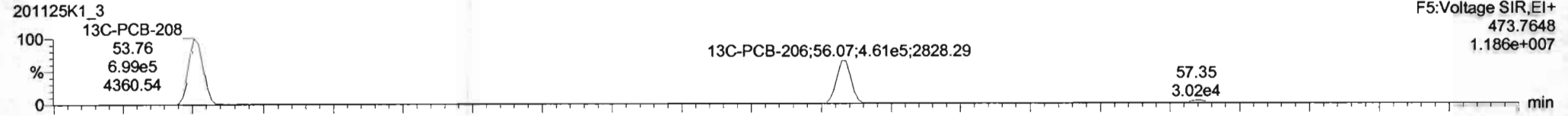
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Name: 201125K1\_3, Date: 25-Nov-2020, Time: 11:48:31, ID: ST201125K1-3 PCB 209 CS2 20J1216, Description: PCB 209 CS2 20J1216

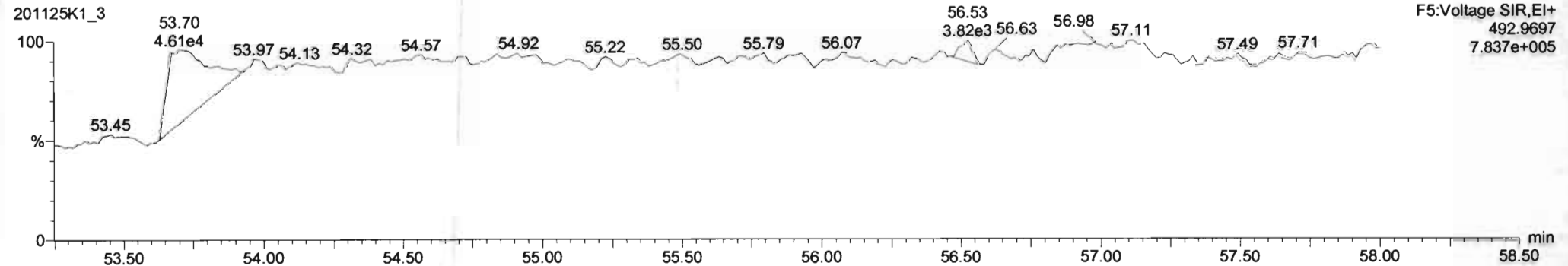
**PCB-208**



**13C-PCB-208**



**PFK5**



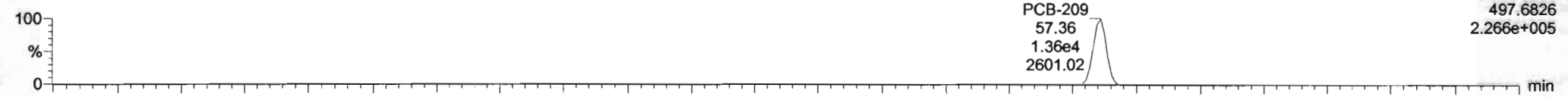
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

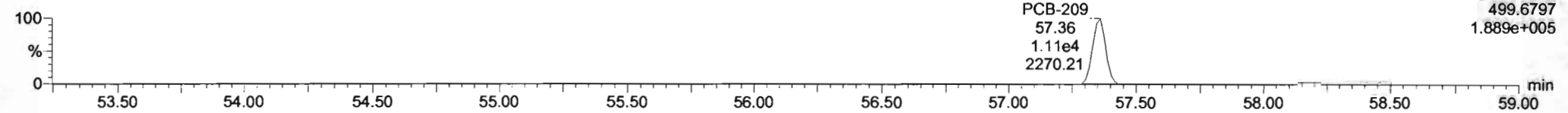
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**PCB-209**

201125K1\_3

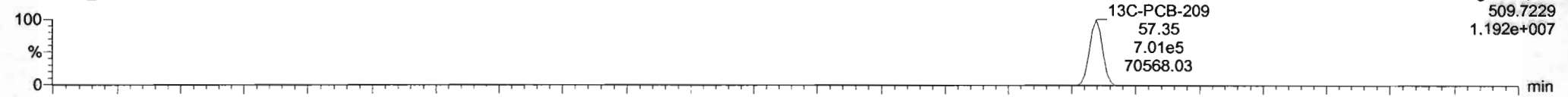


201125K1\_3

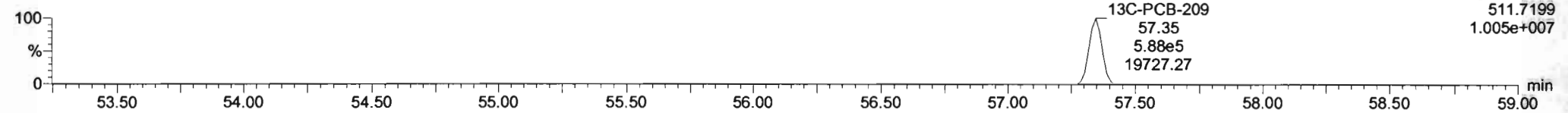


**13C-PCB-209**

201125K1\_3

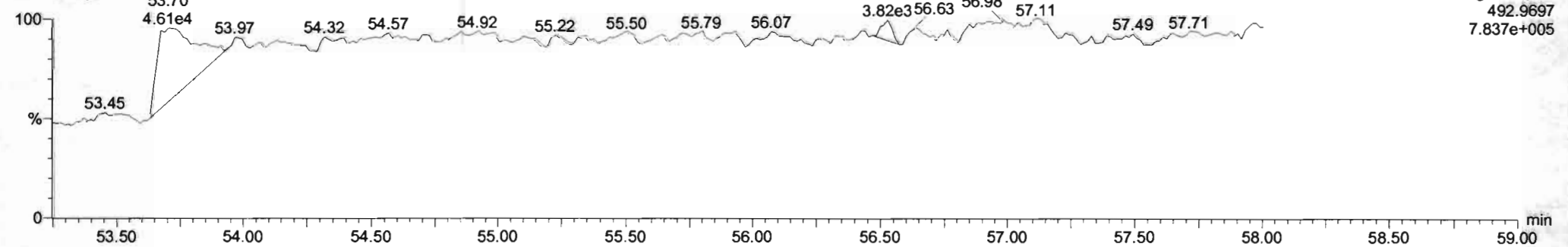


201125K1\_3



**PFK5b**

201125K1\_3



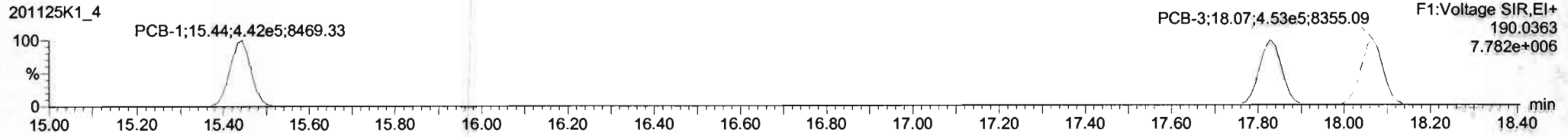
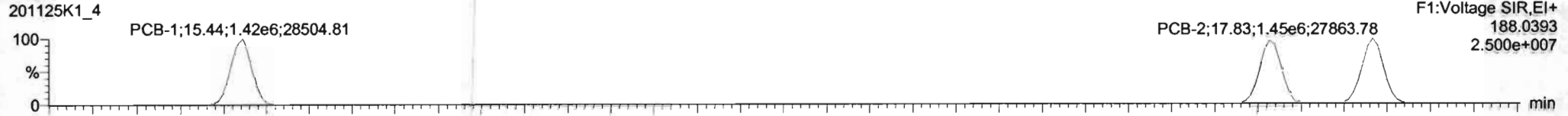
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

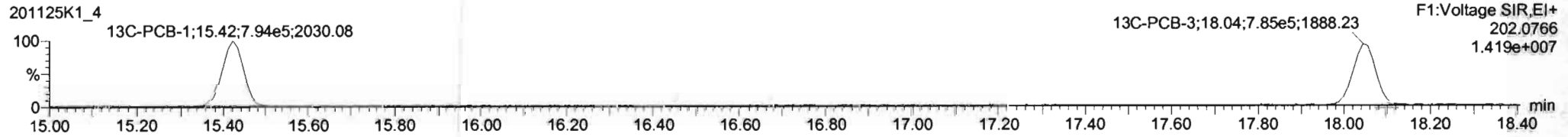
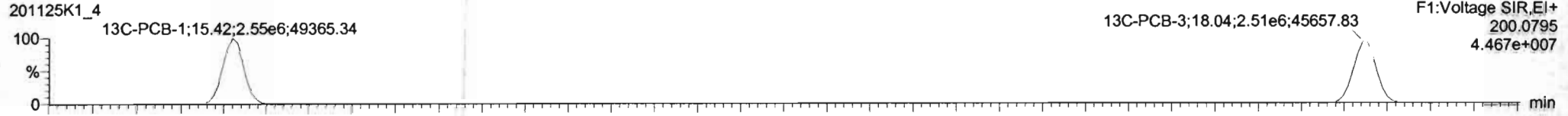
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

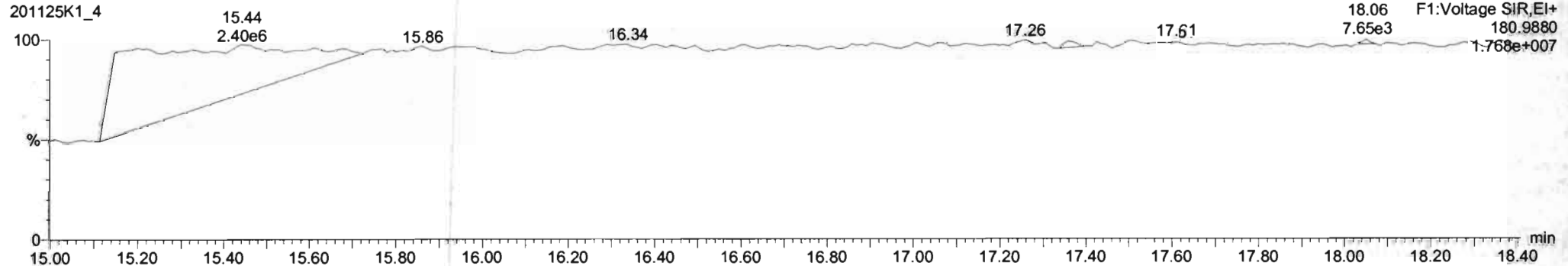
**PCB-1**



**13C-PCB-1**



**PFK1**





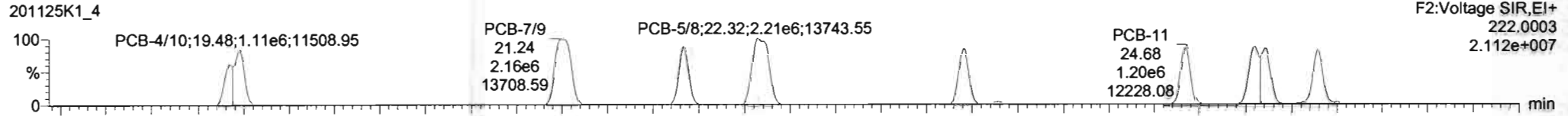
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

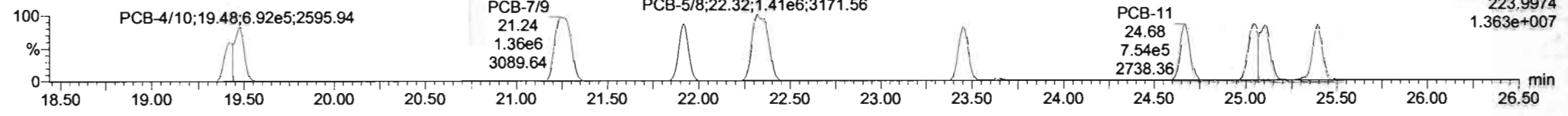
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

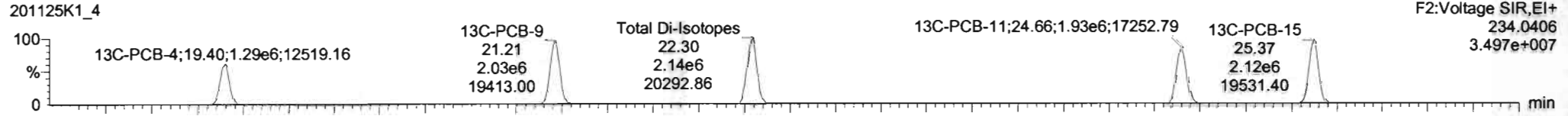
**PCB-4/10**



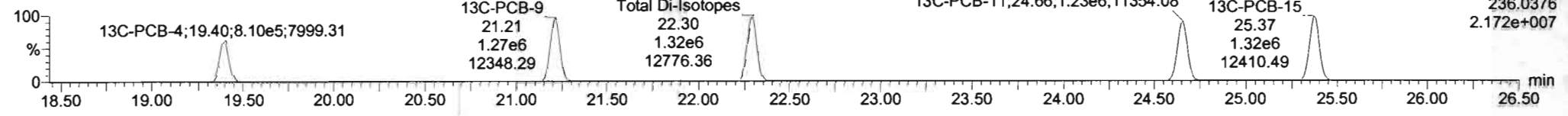
**PCB-4/10**



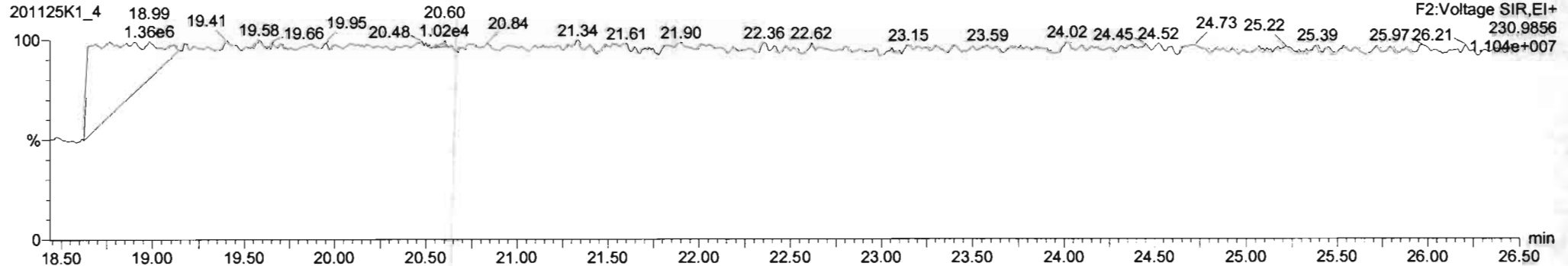
**13C-PCB-4**



**13C-PCB-4**

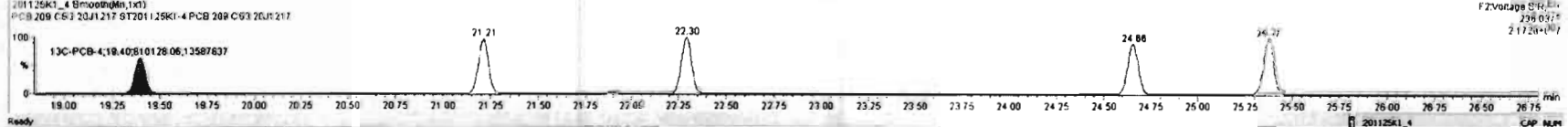
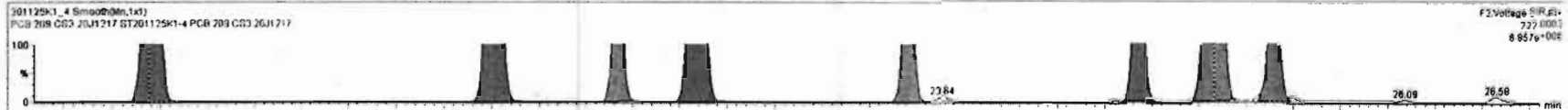


**PFK2a**



#	Name	Resp	RA	n/y	RRF	wtVot	Pred RT	RT	Pred R...	RRT	RRT1	RRT1 Fail	Conc	%Rec	DL	EMPC
223	223 13C-PCB-176	9.62e5	0.48	NO	1.0160	1.000	45.71	45.71	0.923	0.923	NO		101.4	101	0.0524	189.8
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO		189.8		0.0193	189.8
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO		677.9		0.195	677.9
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO		446.1		0.0740	446.1
227	227 3rd Function Tri-PCBs				0.8897	1.000	0.00		0.000		NO		905.5		0.270	905.5
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO		2357		0.757	2357
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO		2294		0.371	2294
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO		284.1		0.0876	284.1

#	Name	Pred RT	RT	Int Resp	Int Resp	* Ratio (Pred)	RA	n/y	EMPC	Conc
1	4 PCB-470	19.48	19.48	1.753e6	1.108e6	1.580	1.58	NO	113.00	113.00
2	5 PCB-78	21.27	21.24	2.181e6	1.358e6	1.580	1.58	NO	113.55	113.55
3	6 PCB-6	21.82	21.82	1.137e6	7.176e5	1.580	1.60	NO	56.235	56.235
4	7 PCB-58	22.32	22.32	2.210e6	1.407e6	1.580	1.57	NO	112.29	112.29
5	8 PCB-14	23.45	23.45	1.127e6	7.028e5	1.580	1.60	NO	58.426	58.426
6	9 PCB-11	24.69	24.69	1.201e6	7.539e5	1.580	1.58	NO	55.303	55.303
7	10 PCB-12#3	25.11	25.05	2.237e6	1.419e6	1.580	1.58	NO	113.32	113.32
8	11 PCB-15	25.30	25.39	1.136e6	7.272e5	1.580	1.56	NO	57.826	57.826



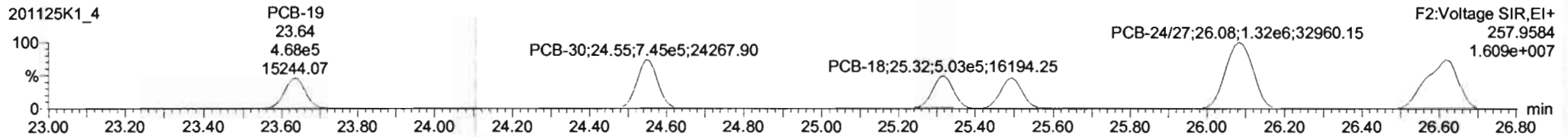
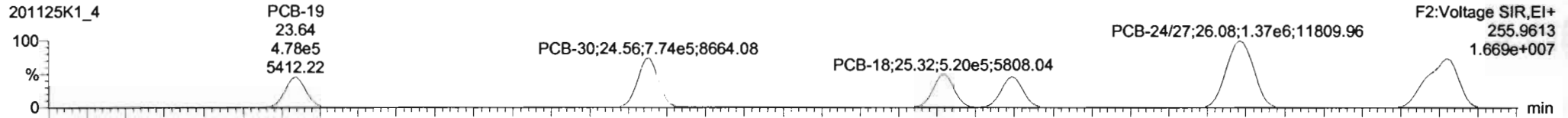
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

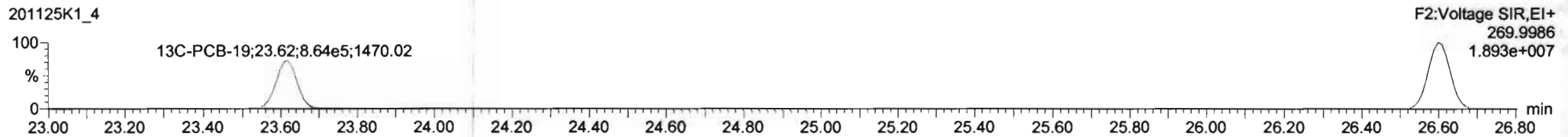
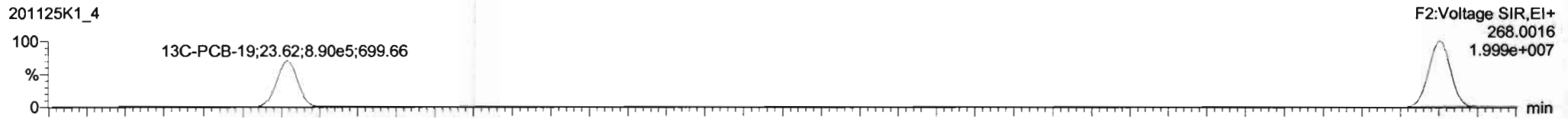
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

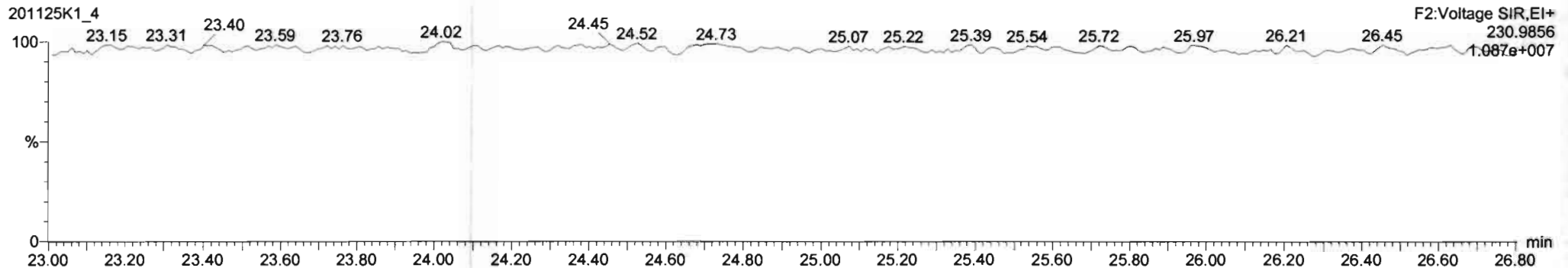
**PCB-19**



**13C-PCB-19**



**PFK2b**

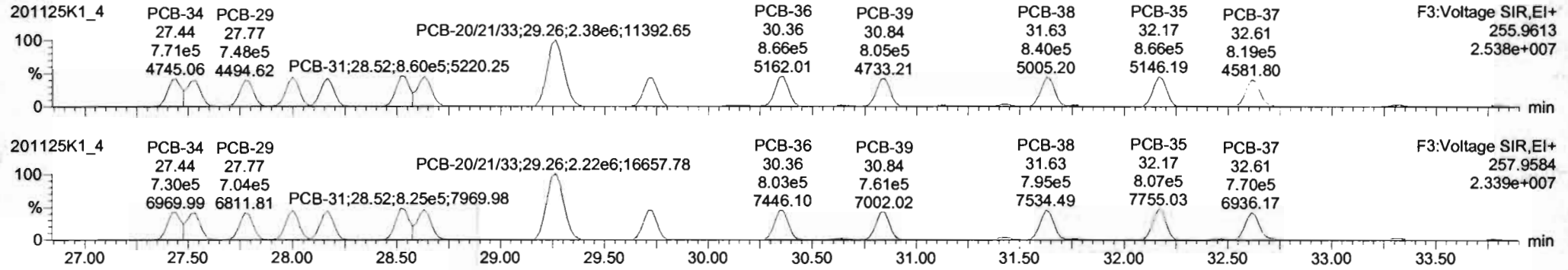


Dataset: Untitled

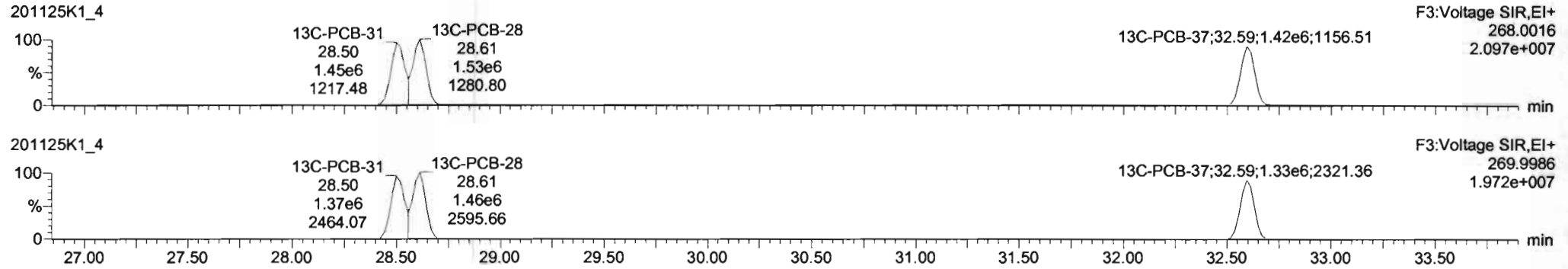
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

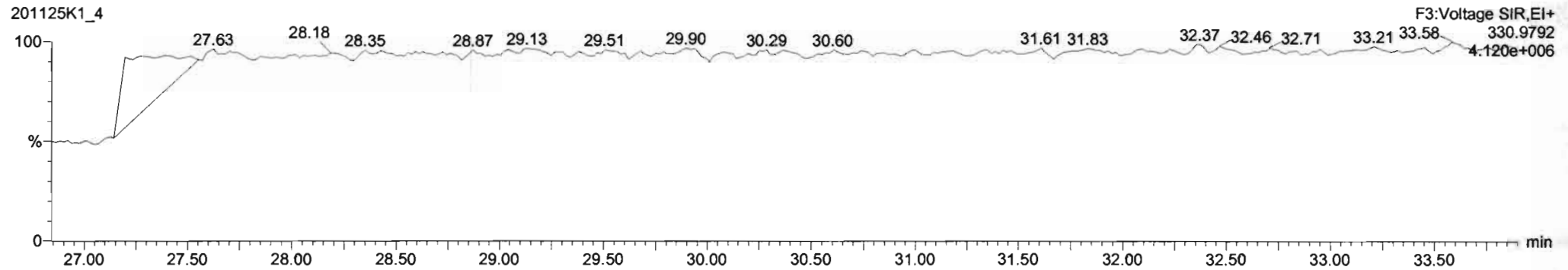
**PCB-34**



**13C-PCB-28**

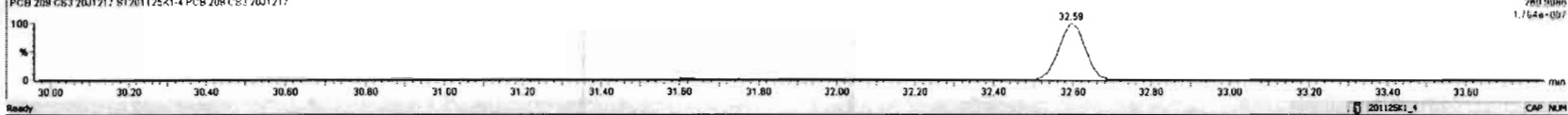


**PFK3d**



#	Name	Resp	RA	nly	RRF	wtAve	Pred RT	RT	Pred R...	RRT	RRT Val	Conc.	%Rec	DL	EMPC
223	223 13C-PCB-178	9.62e5	0.46	NO	1.0180	1.000	45.71	45.71	0.9223	0.9223	NO	101.4	101	0.0524	
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.0000		NO	169.8		0.0193	168.8
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.0000		NO	877.9		0.185	877.9
226	226 2nd Function 14-PCBs				0.9434	1.000	0.00		0.0000		NO	445.1		0.0740	445.1
227	227 3rd Function 14-PCBs				0.9897	1.000	0.00		0.0000		NO	905.5		0.270	905.5
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.0000		NO	2357		0.757	2357
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.0000		NO	2294		0.371	2294
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.0000		NO	284.1		0.0976	284.1

#	Name	Pred RT	RT	nt1 Resp	nt2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	nly	EMPC	Conc.
1	18 PCB-24	27.44	27.44	7.710e5	7.297e5	1.040	1.06	NO	57.180	57.180
2	19 PCB-23	27.53	27.53	7.772e5	7.316e5	1.040	1.06	NO	56.573	56.573
3	20 PCB-29	27.77	27.77	7.478e5	7.041e5	1.040	1.06	NO	58.387	58.387
4	21 PCB-26	28.00	28.00	7.978e5	7.516e5	1.040	1.06	NO	59.640	59.640
5	22 PCB-25	28.18	28.17	7.971e5	7.857e5	1.040	1.04	NO	57.083	57.083
6	23 PCB-31	28.53	28.52	8.800e5	8.247e5	1.040	1.04	NO	54.886	54.886
7	24 PCB-28	28.63	28.63	8.895e5	8.339e5	1.040	1.07	NO	56.785	56.785
8	25 PCB-20/21/03	29.27	29.26	2.379e6	2.225e6	1.040	1.07	NO	168.88	168.88

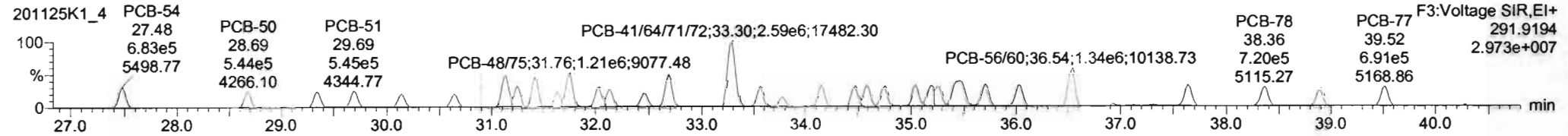
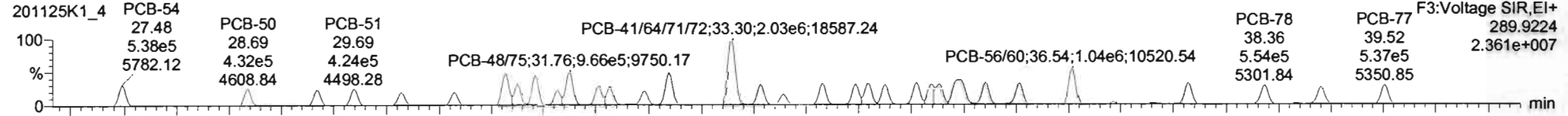


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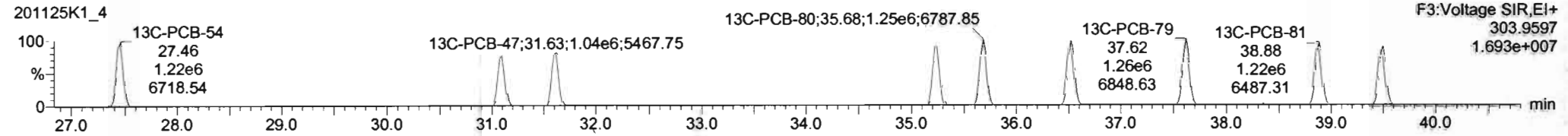
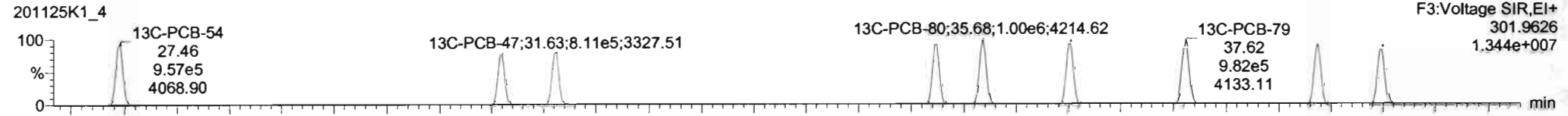
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

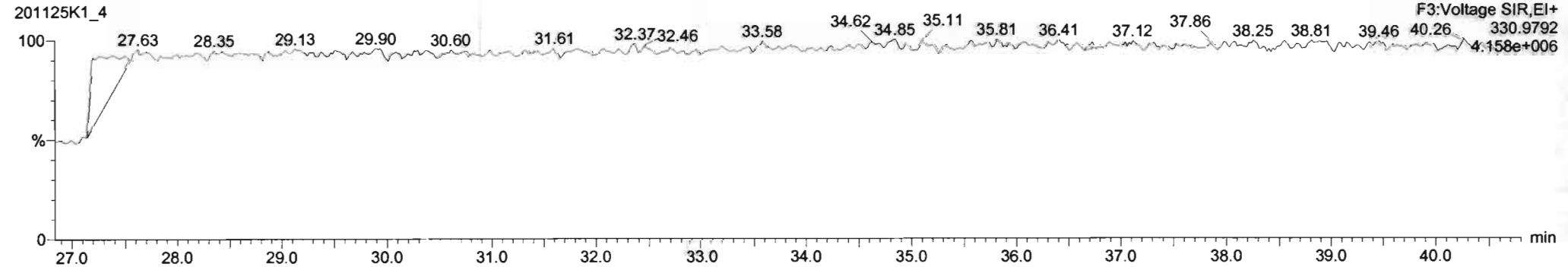
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

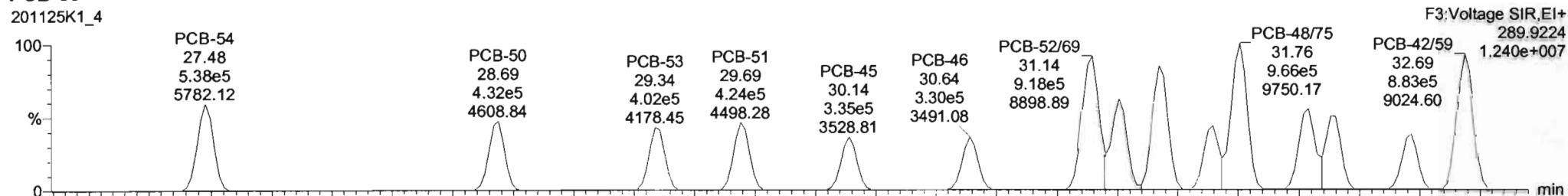
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

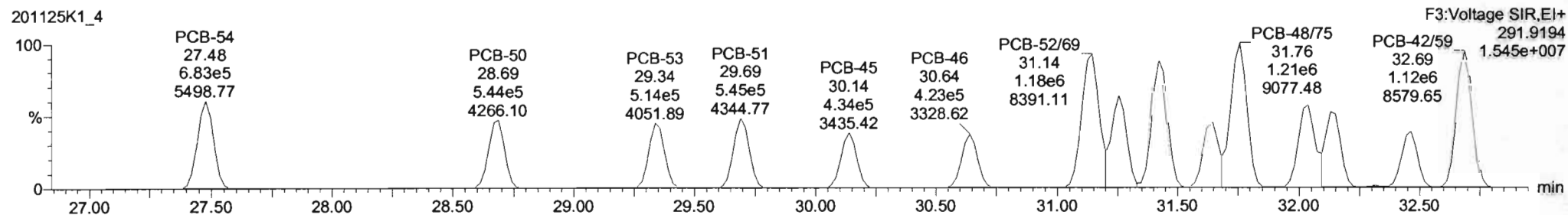
Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

**PCB-50**

201125K1\_4



201125K1\_4

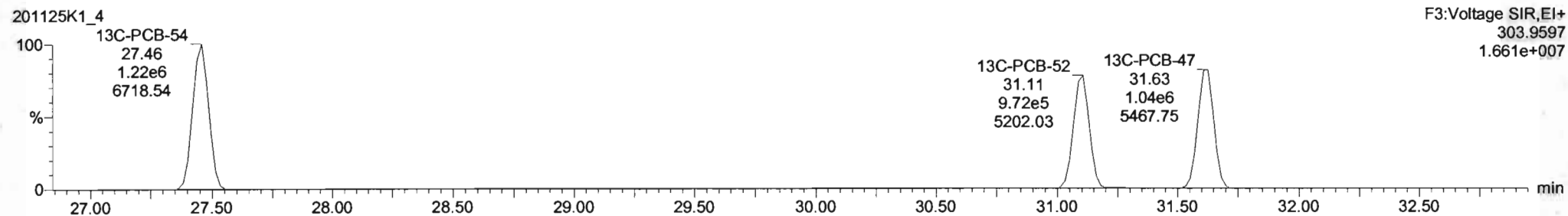


**13C-PCB-52**

201125K1\_4



201125K1\_4



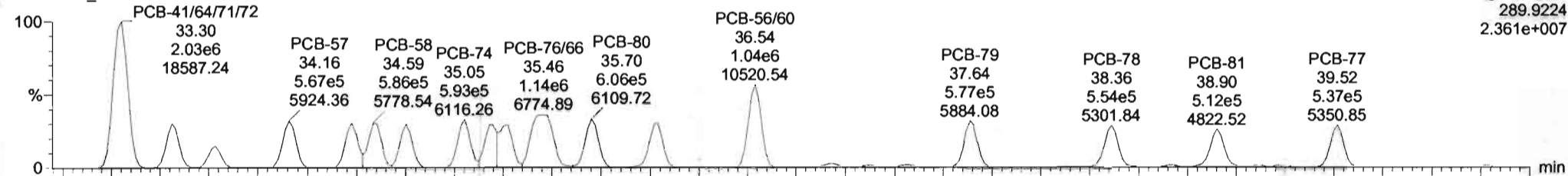
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

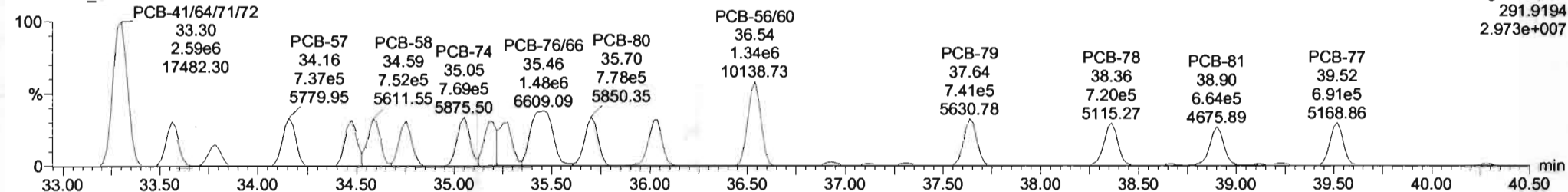
Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

PCB-68

201125K1\_4

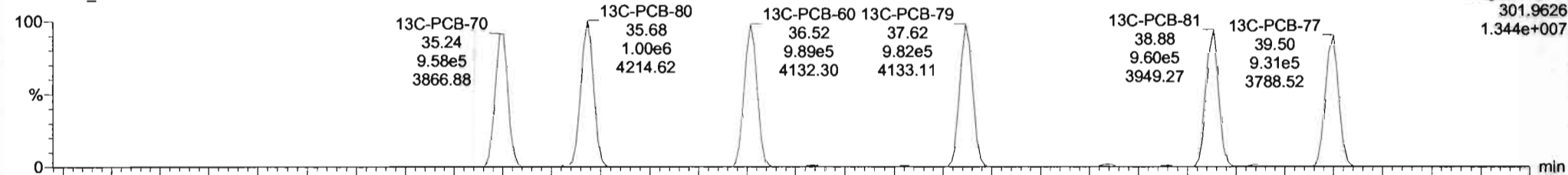


201125K1\_4

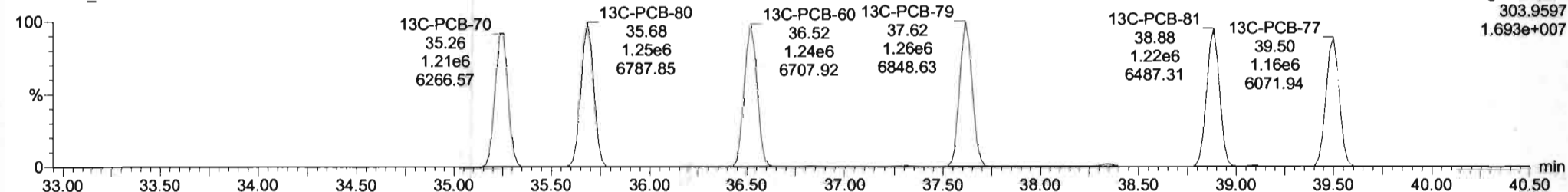


13C-PCB-60

201125K1\_4



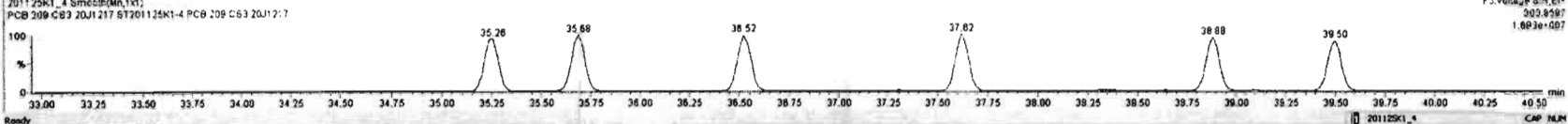
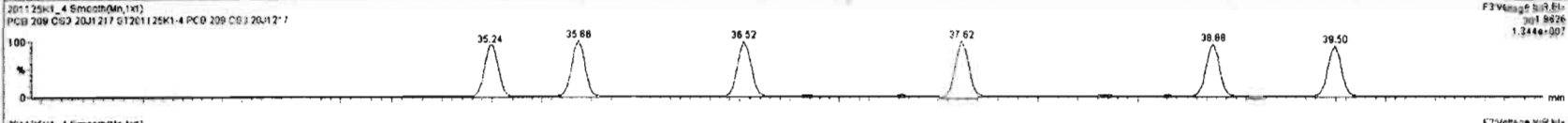
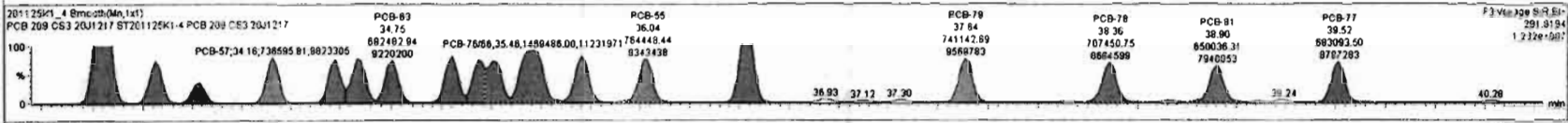
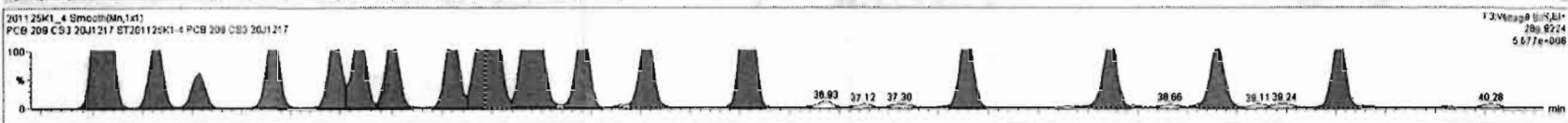
201125K1\_4





#	Name	Resp	RA	n/y	RRT	Wt/Std	Pred.RT	RT	Pred.RT	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
223	223 1,3C-PCB-178	9.62e5	0.46	NO	1.0180	1.000	45.71	45.71	0.8223	0.8223	NO	101.4	101	0.0524	
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.00	0.0000	0.0000	NO	189.9		0.0193	189.8
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.00	0.0000	0.0000	NO	877.9		0.185	877.9
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.00	0.0000	0.0000	NO	448.1		0.0740	448.1
227	227 3rd Function Tri-PCBs				0.9887	1.000	0.00	0.00	0.0000	0.0000	NO	925.5		0.370	925.5
228	228 Total Tetra-PCBs				0.8810	1.000	0.00	0.00	0.0000	0.0000	NO	2367		0.752	2367
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.00	0.0000	0.0000	NO	2294		0.371	2294
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.00	0.0000	0.0000	NO	284.1		0.0876	284.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Conc.
1	32 PCB-54	27.48	27.48	5.37e5	8.828e5	0.770	0.78	NO	57.576	57.576
2	33 PCB-50	28.68	28.68	4.323e5	5.438e5	0.770	0.80	NO	55.888	55.888
3	34 PCB-53	28.37	28.34	4.025e5	5.137e5	0.770	0.78	NO	55.828	55.828
4	35 PCB-51	29.70	29.69	4.239e5	5.451e5	0.770	0.78	NO	55.285	55.285
5	36 PCB-45	30.15	30.14	3.352e5	4.343e5	0.770	0.77	NO	54.682	54.682
6	37 PCB-46	30.65	30.64	3.288e5	4.229e5	0.770	0.78	NO	55.888	55.888
7	38 PCB-52/69	31.14	31.14	9.179e5	1.177e6	0.770	0.78	NO	110.37	110.37
8	39 PCB-73	31.25	31.25	5.827e5	7.278e5	0.770	0.80	NO	57.184	57.184



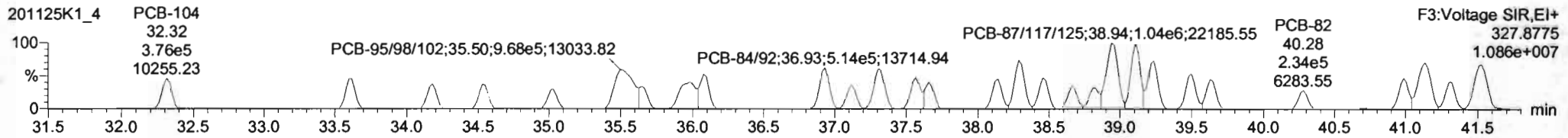
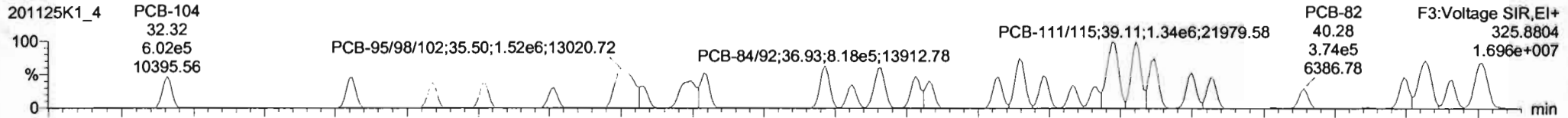
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

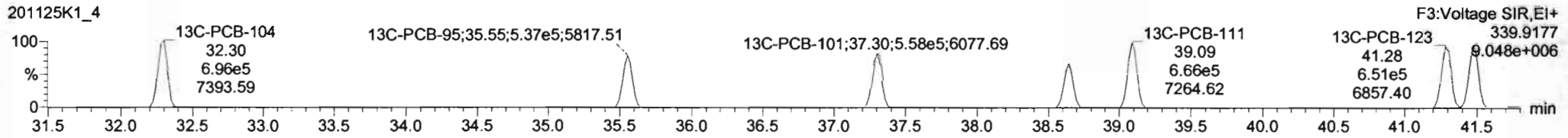
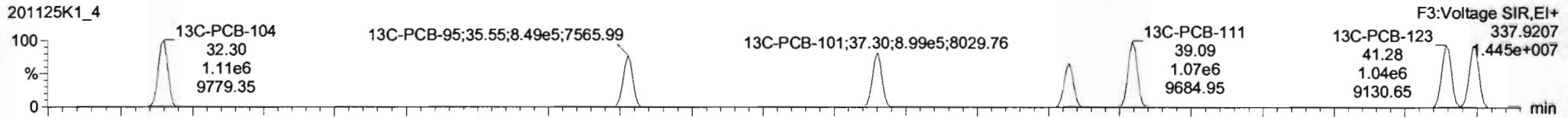
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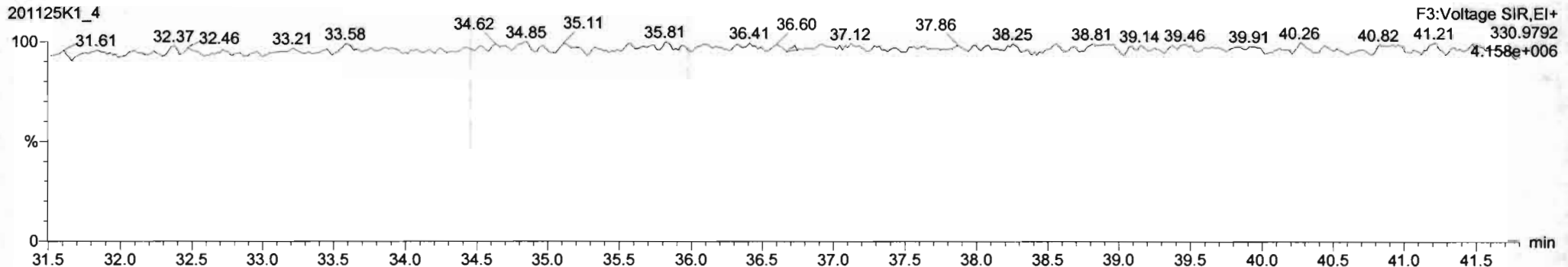
**PCB-104**



**13C-PCB-104**



**PFK3b**



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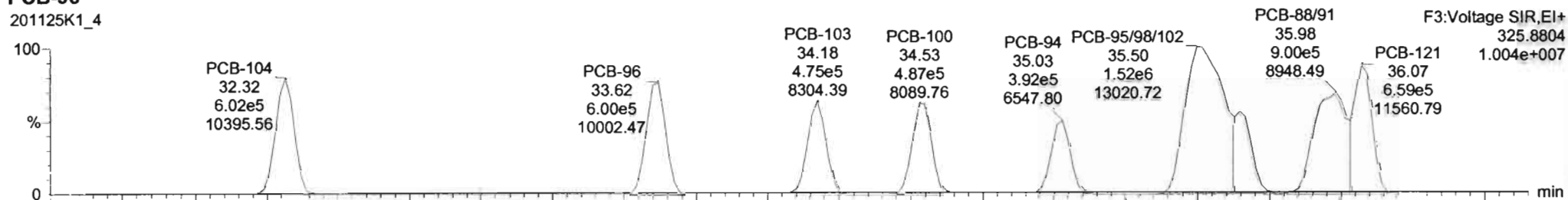
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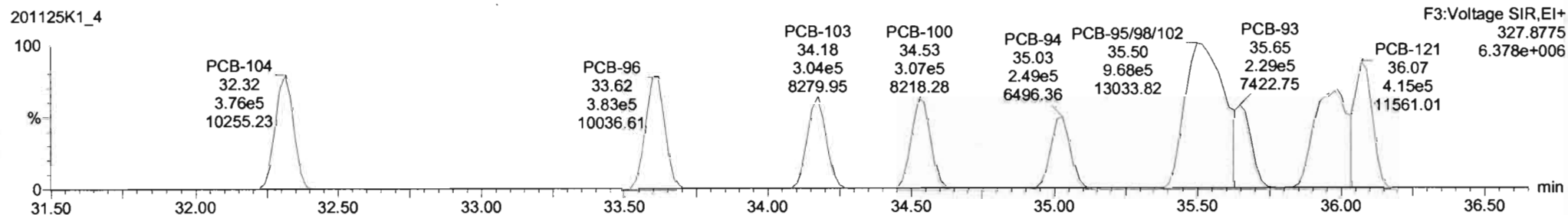
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**PCB-96**

201125K1\_4

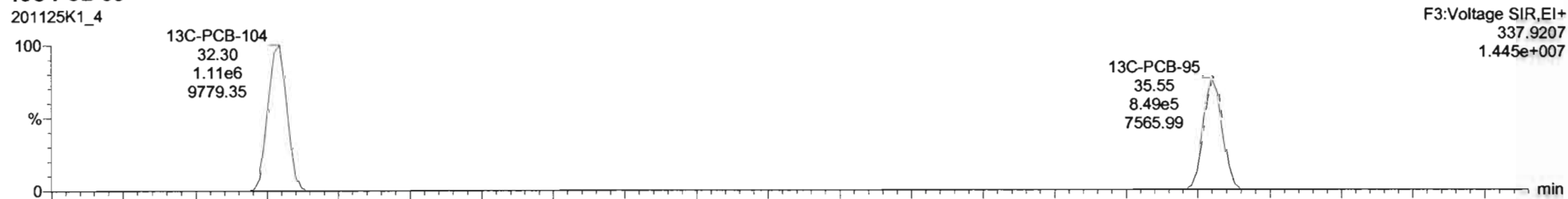


201125K1\_4

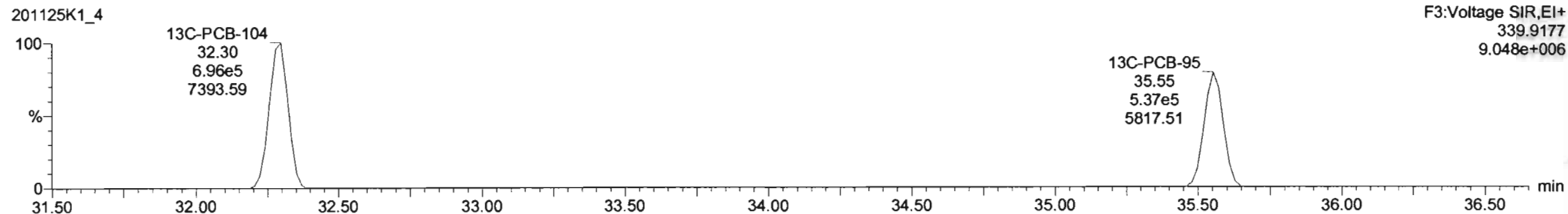


**13C-PCB-95**

201125K1\_4



201125K1\_4

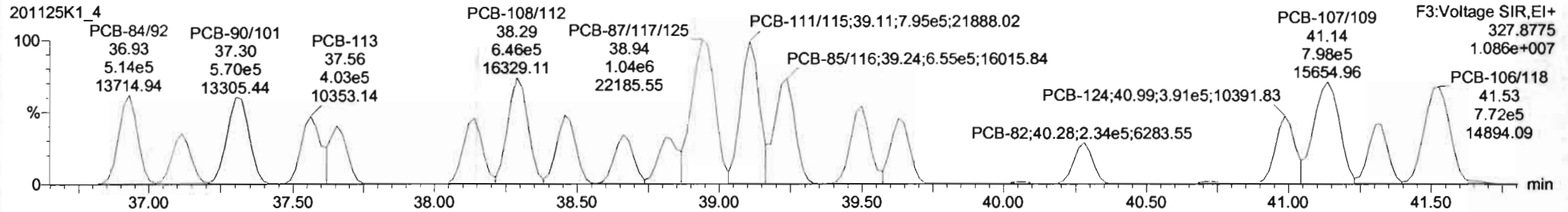
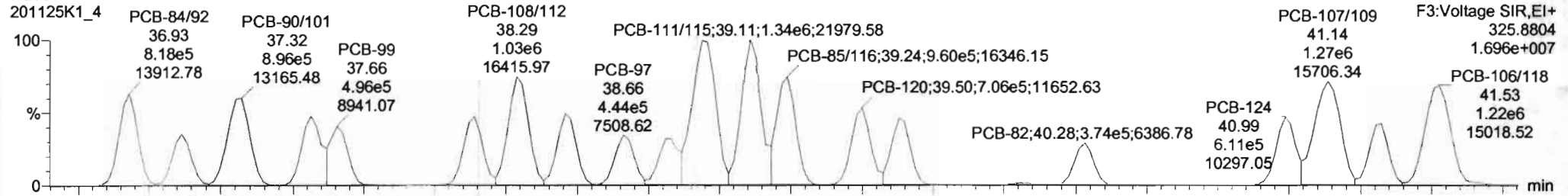


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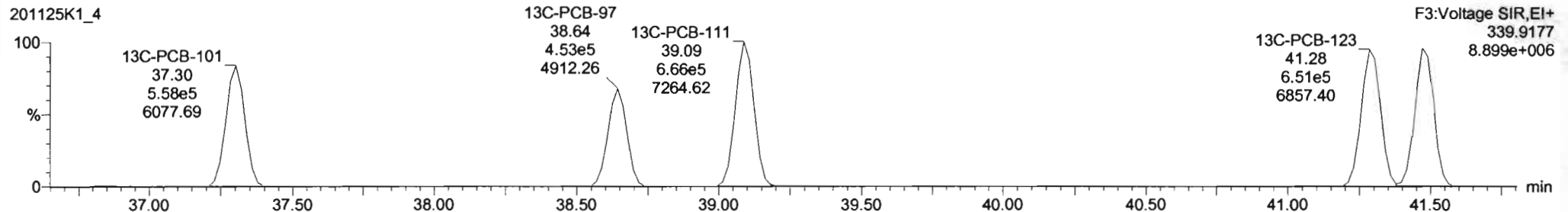
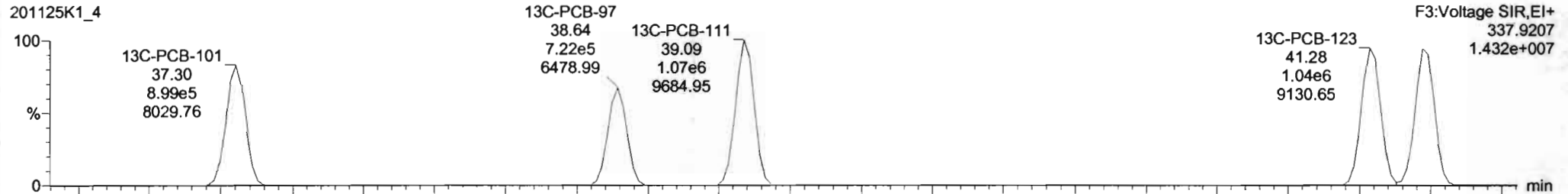
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**PCB-119**

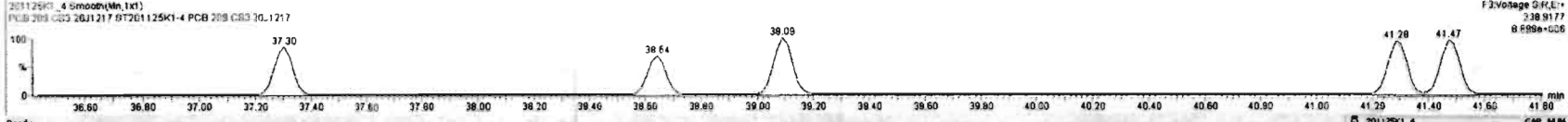
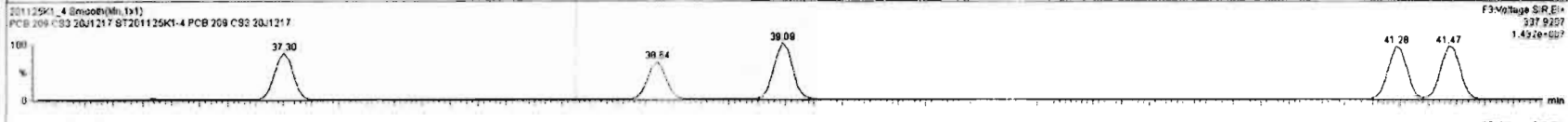
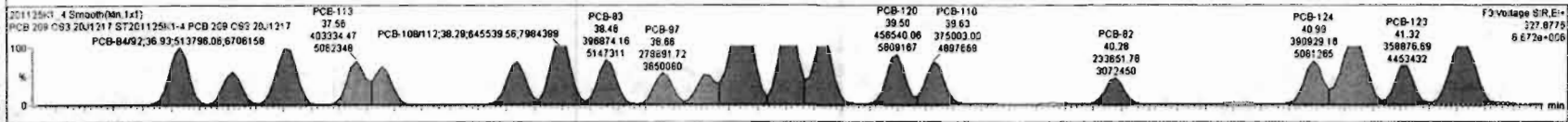
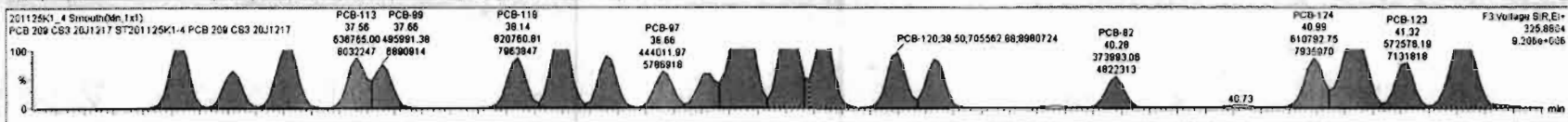


**13C-PCB-111**



#	Name	Resp	RA	n/y	RF	wt/vol	Pred RT	RT	Pred R.	RR1	RR1 Fat	Conc.	%Rec	DL	EMPC
223	13C-PCB-176	9.62e5	0.48	NO	1.0160	1.000	45.71	45.71	0.923	0.923	NO	101.4	101	0.0524	
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	169.9		0.9193	169.9
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	877.9		0.185	877.9
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	448.1		0.0740	448.1
227	3rd Function Tri-PCBs				0.9987	1.000	0.00		0.000		NO	905.5		0.270	905.5
228	Total Tetra-PCBs				0.9919	1.000	0.00		0.000		NO	2367		0.757	2367
229	2nd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	2294		0.371	2294
230	3rd Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	204.1		0.0976	204.1

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	n/y	EMPC	Conc.
64	PCB-104	32.32	32.31	6.020e5	3.757e5	1.560	1.80	NO	55.240	55.240
65	PCB-96	33.62	33.62	6.005e5	3.834e5	1.560	1.57	NO	55.547	55.547
66	PCB-103	34.17	34.18	4.749e5	3.035e5	1.560	1.58	NO	56.089	56.089
67	PCB-100	34.54	34.53	4.867e5	3.055e5	1.560	1.58	NO	54.878	54.878
68	PCB-94	35.03	35.03	3.919e5	2.485e5	1.560	1.58	NO	55.625	55.625
69	PCB-95/90/102	35.50	35.50	1.518e6	9.600e5	1.560	1.57	NO	167.53	167.53
70	PCB-93	35.65	35.65	3.588e5	2.287e5	1.560	1.56	NO	55.478	55.478
71	PCB-98/91	35.90	35.90	8.999e5	5.741e5	1.560	1.57	NO	116.83	116.83

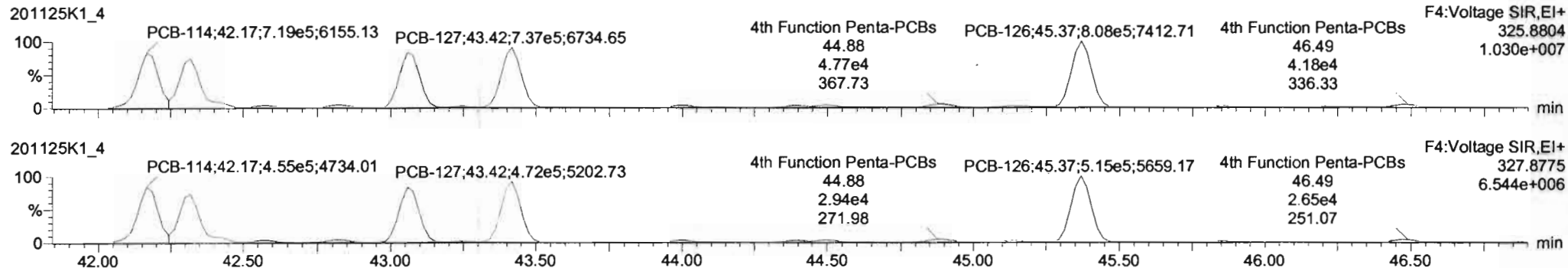


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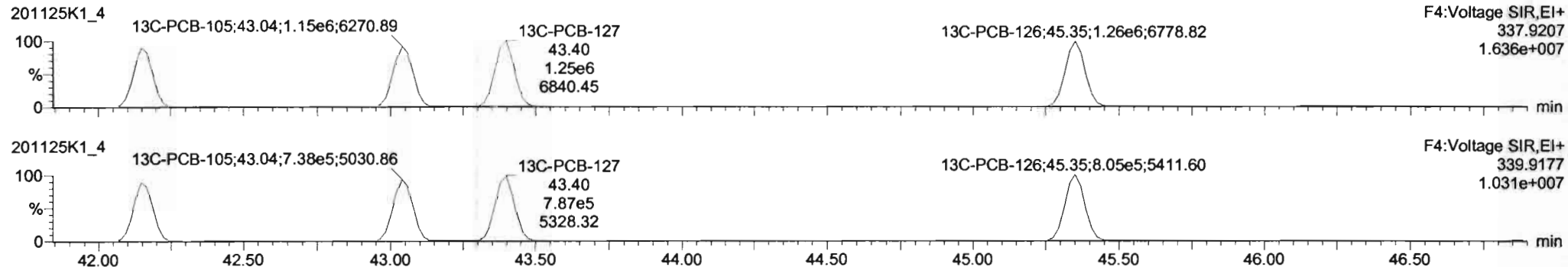
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_4, Date: 25-Nov-2020, Time: 12:48:48, ID: ST201125K1-4 PCB 209 CS3 20J1217, Description: PCB 209 CS3 20J1217

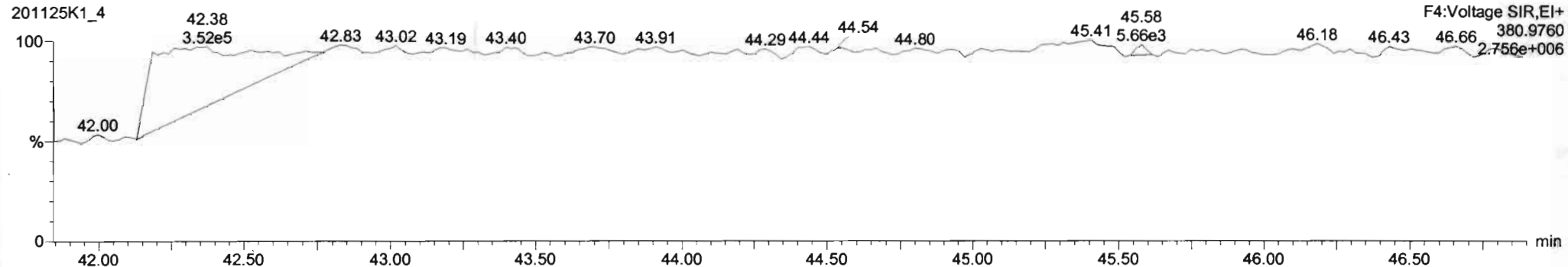
**PCB-114**



**13C-PCB-114**

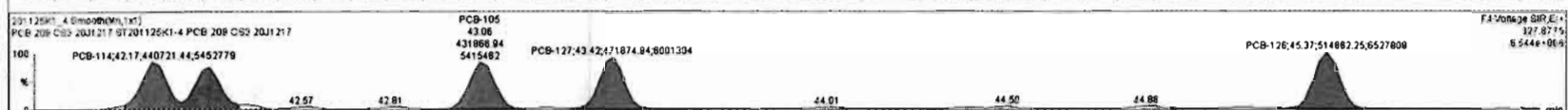
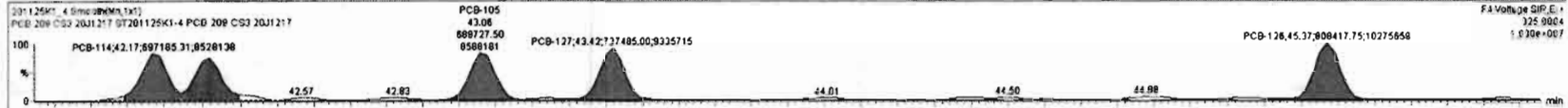


**PFK4a**



#	Name	Resp	RA	nly	RF	wVol	Pred.RT	RT	Pred.R	RTT	RTT Fat	Conc.	%Rec	DL	EMPC
223	13C-PCB-178	8.82e5	0.46	NO	1.0180	1.000	45.71	45.71	0.923	0.923	NO	101.4	101	0.0024	
224	Total Mono-PCBs				1.0334	1.000	0.00	0.000			NO	159.8		0.0180	169.8
225	Total Di-PCBs				1.0267	1.000	0.00	0.000			NO	877.9		0.185	877.9
226	2nd Function Tri-PCBs				0.8434	1.000	0.00	0.000			NO	448.1		0.0740	448.1
227	3rd Function Tri-PCBs				0.9887	1.000	0.00	0.000			NO	805.5		0.270	905.5
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	2267		0.757	2267
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	2294		0.371	2294
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO	284.1		0.0678	284.1

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc.
1	83 PCB-114	42.17	42.17	8.872e5	4.407e5	1.560	1.58	NO	56.544	56.544
2	94 PCB-122	42.32	42.32	6.167e5	3.841e5	1.560	1.81	NO	57.952	57.952
3	95 PCB-105	43.06	43.06	8.887e5	4.319e5	1.550	1.80	NO	57.574	57.574
4	96 PCB-127	43.42	43.42	7.375e5	4.719e5	1.580	1.58	NO	56.241	56.241
5	97 PCB-126	45.37	45.37	8.084e5	5.149e5	1.580	1.57	NO	55.778	55.778



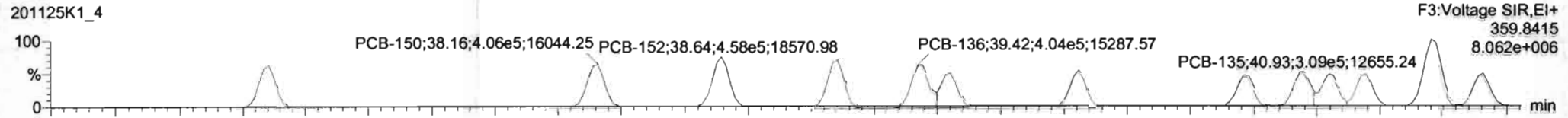
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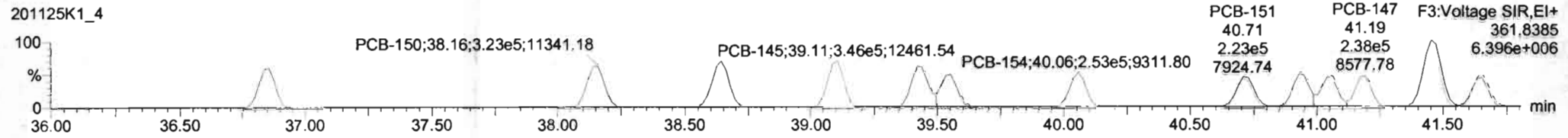
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**PCB-155**

201125K1\_4

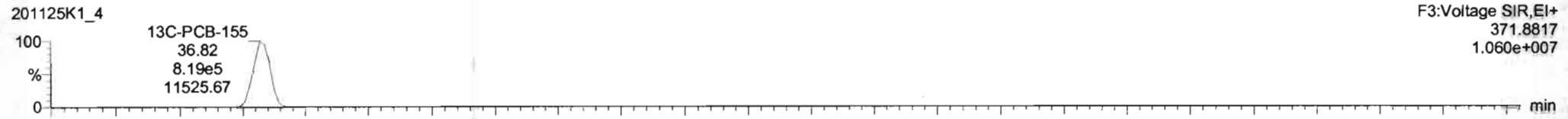


201125K1\_4

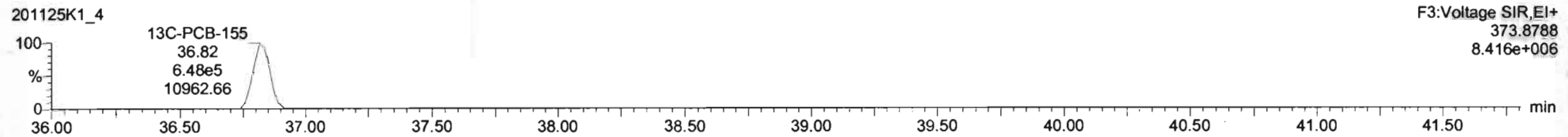


**13C-PCB-155**

201125K1\_4

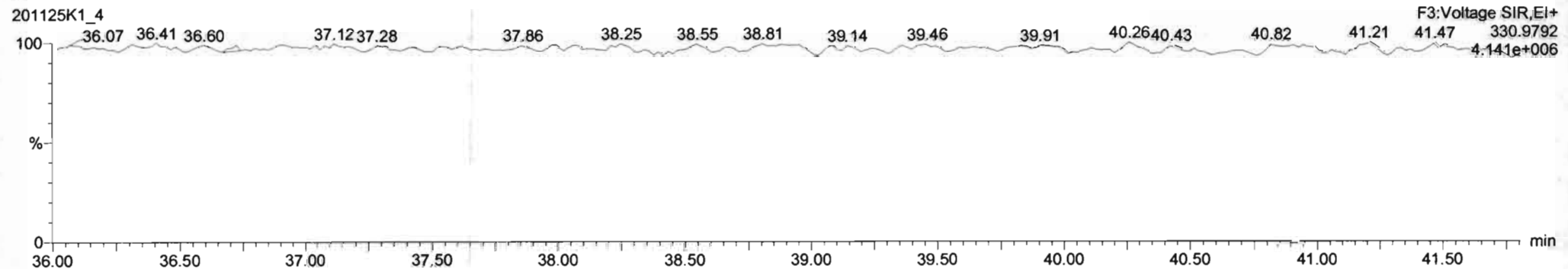


201125K1\_4



**PFK3c**

201125K1\_4





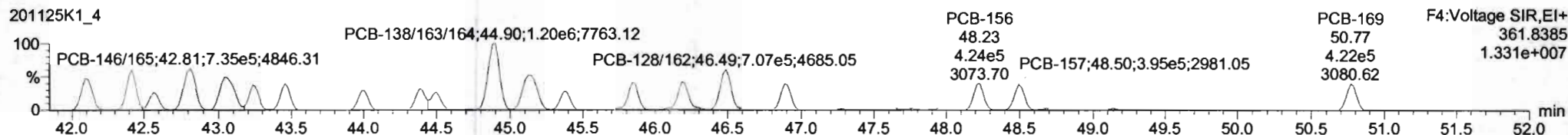
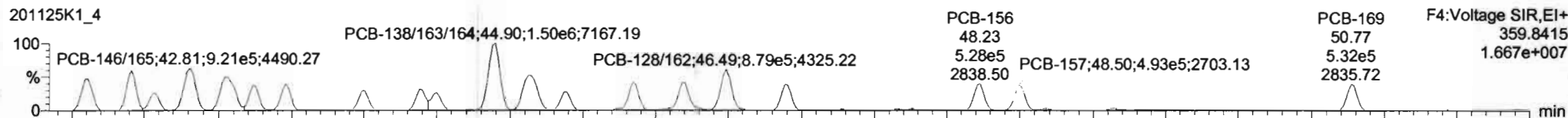
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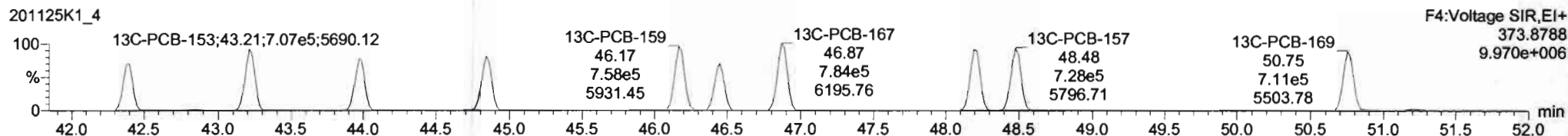
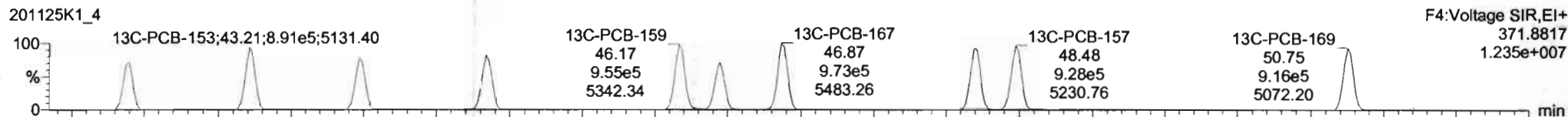
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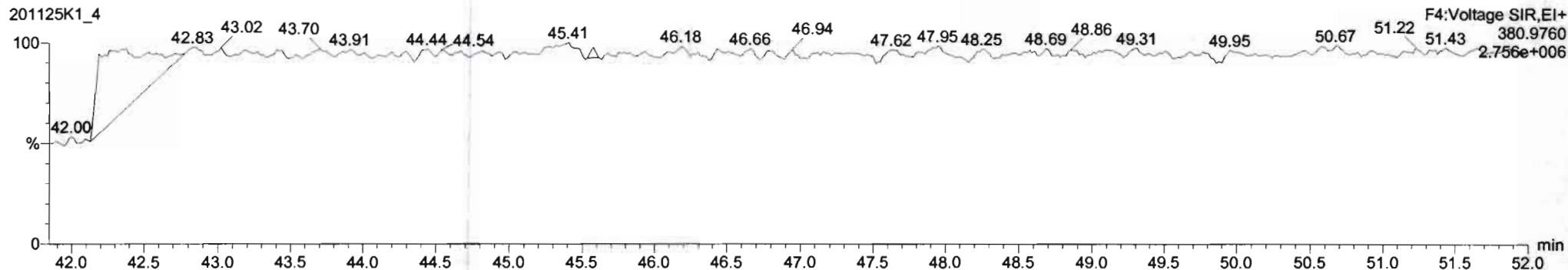
**PCB-134/143**



**13C-PCB-153**

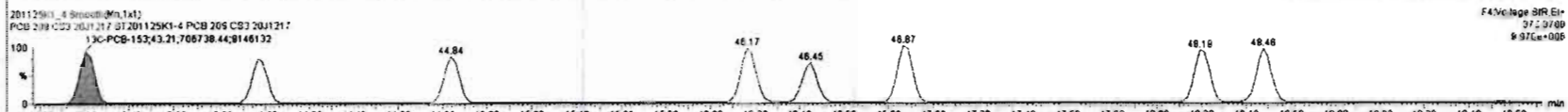
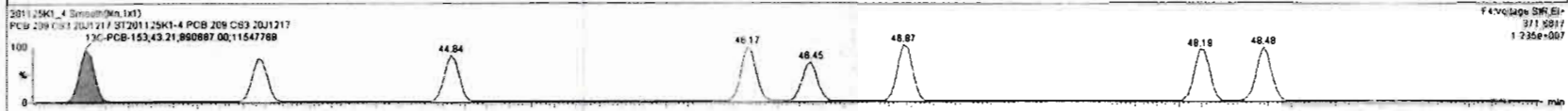
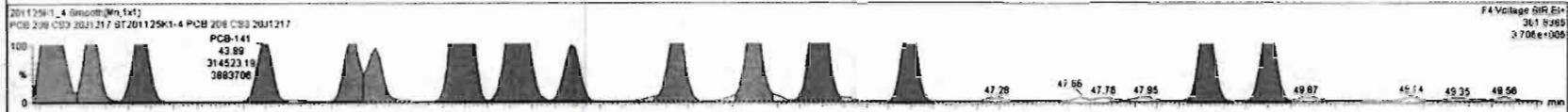
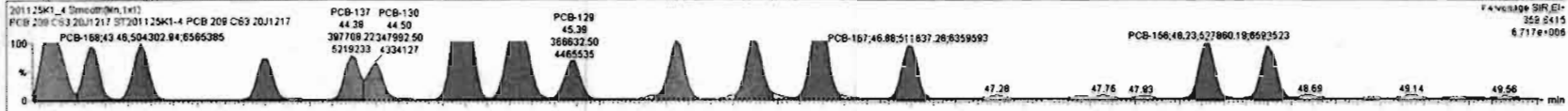


**PFK4b**



#	Name	Reap	RA	nV	RF	WtVol	Prac RT	RT	Prac R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
232	4th Function Hexa-PCBs					0.8955	1.000	0.00	0.000		NO	1508	0.878	1508	
233	Total Hexa-PCBs					1.2043	1.000	0.00	0.000		NO	1350	0.852	1350	
234	4th Function Octa-PCBs					0.8626	1.000	0.00	0.000		NO	501.0	0.122	501.0	
235	5th Function Octa-PCBs					1.0957	1.000	0.00	0.000		NO	189.2	0.0728	189.2	
236	Total Hexa-PCBs					0.8871	1.000	0.00	0.000		NO	189.3	0.102	189.3	
237	Deca-CB					0.8827	1.000	0.00	0.000		NO	54.74	0.00337	54.74	
238	Total PCBs														
239	Total Mono-isotopes														

#	Name	Prac RT	RT	wt Reap	wt Reap	1* Ratio (Prac)	RA	nV	EMPC	Conc
1	PCB-134/143	42.11	42.11	7.173e5	5.739e5	1.240	1.25	NO	112.60	112.80
2	PCB-131/133	42.42	42.41	7.525e5	6.046e5	1.240	1.25	NO	110.67	110.67
3	PCB-142	42.58	42.57	3.440e5	2.755e5	1.240	1.25	NO	58.447	58.447
4	PCB-146/165	42.81	42.81	9.213e5	7.302e5	1.240	1.25	NO	109.82	109.82
5	PCB-132/161	43.00	43.04	9.425e5	7.475e5	1.240	1.28	NO	110.53	110.53
6	PCB-153	43.25	43.23	4.886e5	3.909e5	1.240	1.25	NO	55.602	55.602
7	PCB-168	43.46	43.46	5.043e5	4.031e5	1.240	1.25	NO	54.895	54.895
8	PCB-141	43.99	44.01	3.940e5	3.145e5	1.240	1.25	NO	54.892	54.892



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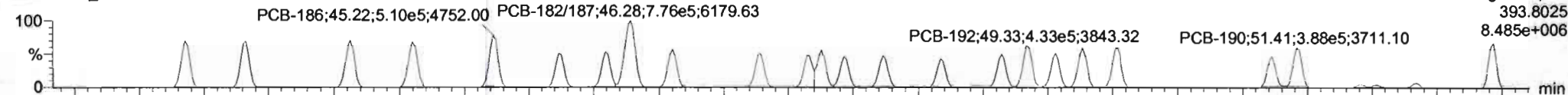
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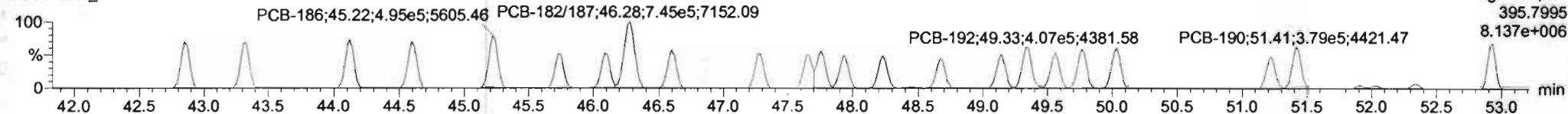
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**PCB-188**

201125K1\_4

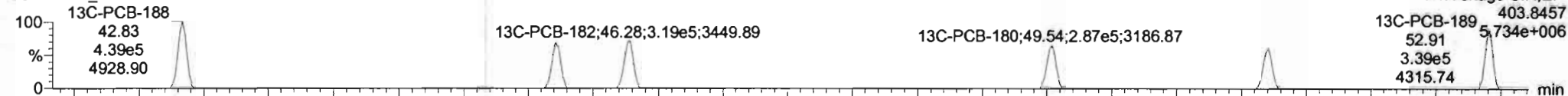


201125K1\_4

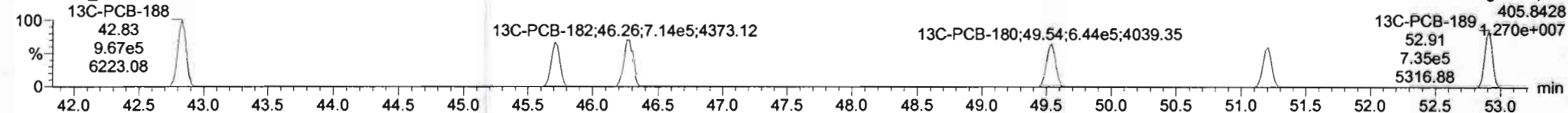


**13C-PCB-188**

201125K1\_4

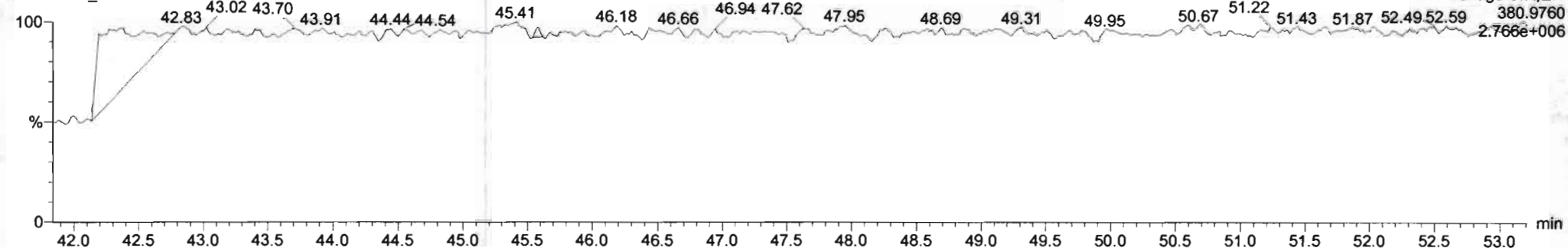


201125K1\_4



**PFK4c**

201125K1\_4



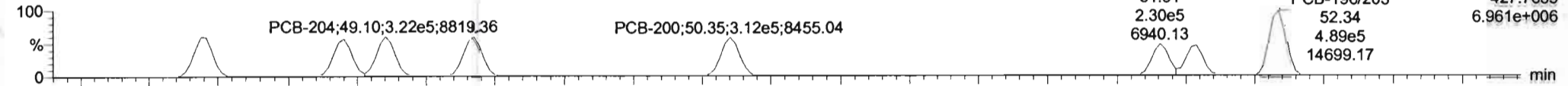
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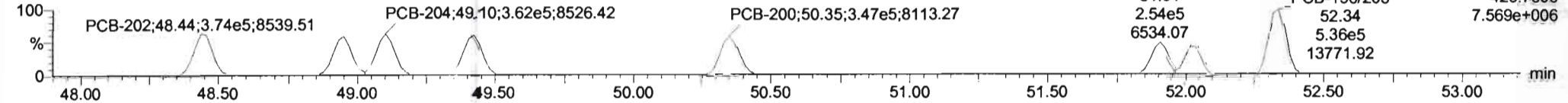
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**PCB-202**

201125K1\_4

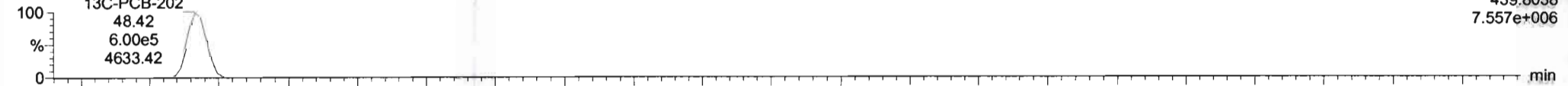


201125K1\_4

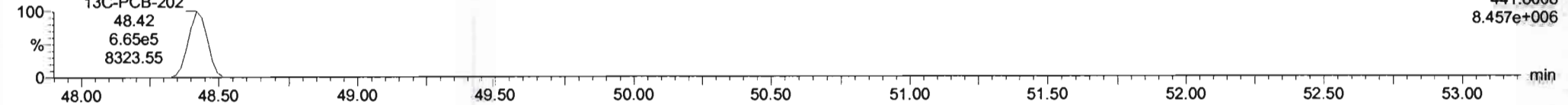


**13C-PCB-202**

201125K1\_4

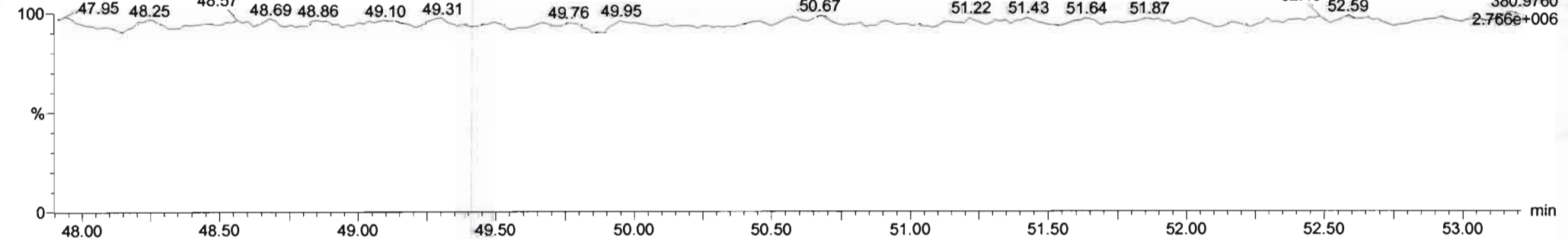


201125K1\_4



**PFK4d**

201125K1\_4



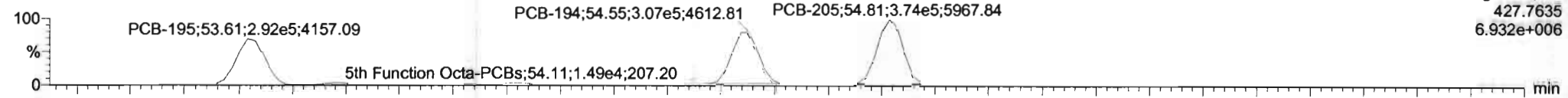
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

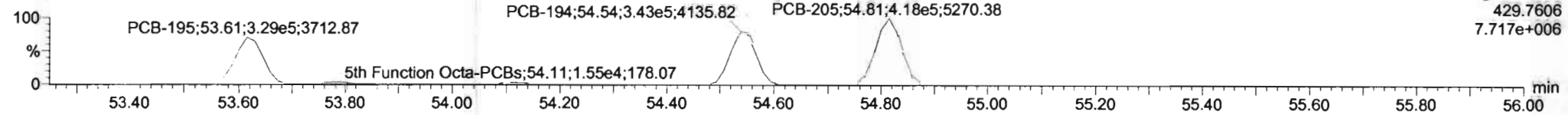
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**PCB-195**

201125K1\_4

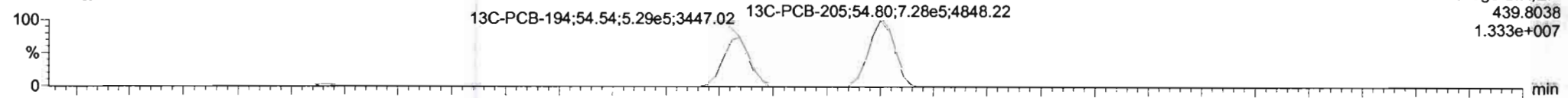


201125K1\_4

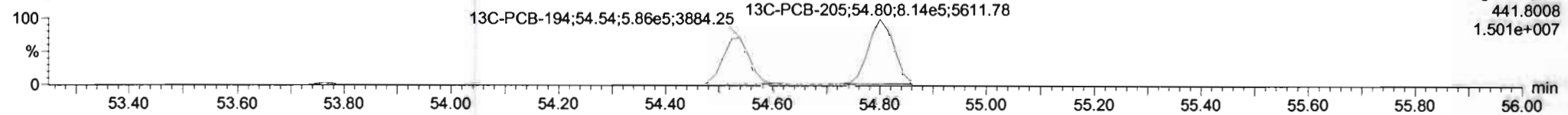


**13C-PCB-194**

201125K1\_4

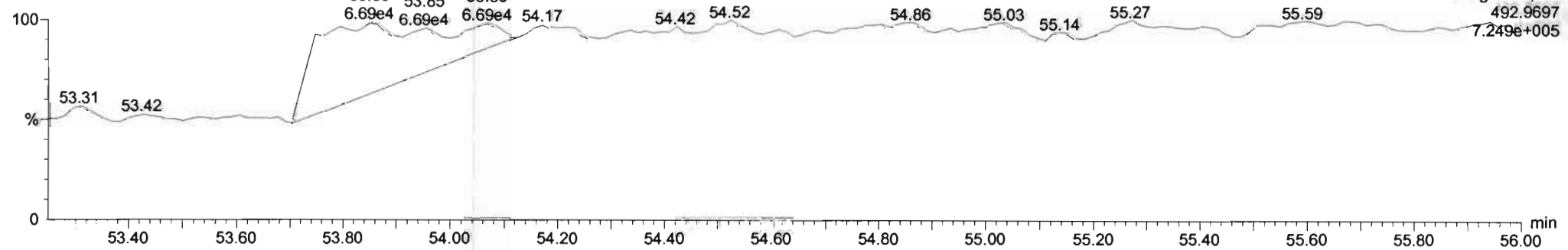


201125K1\_4



**PFK5a**

201125K1\_4

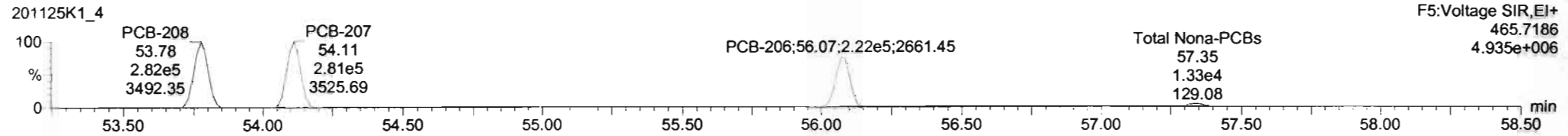
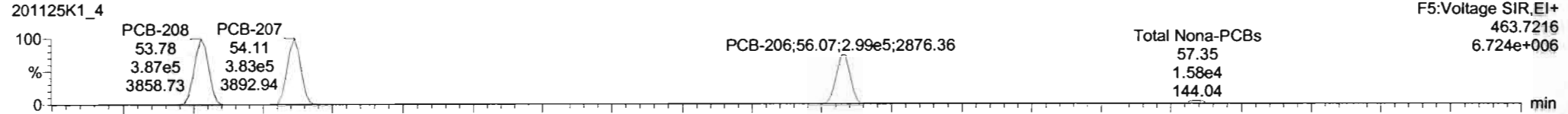


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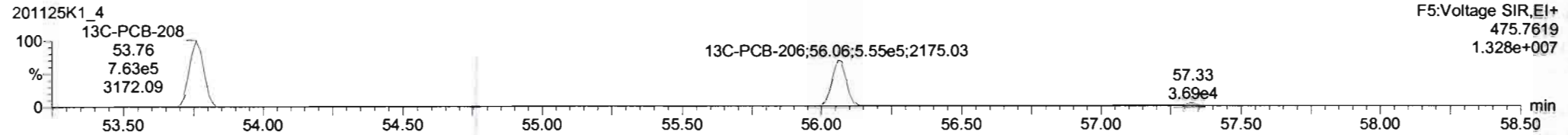
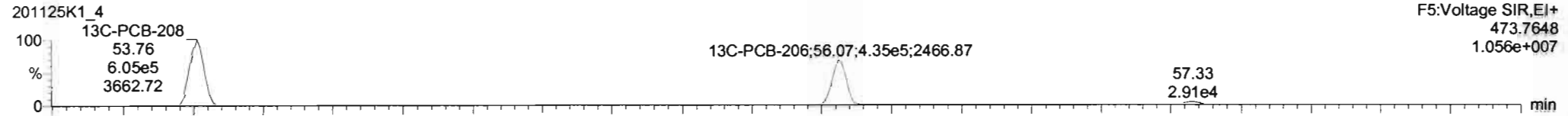
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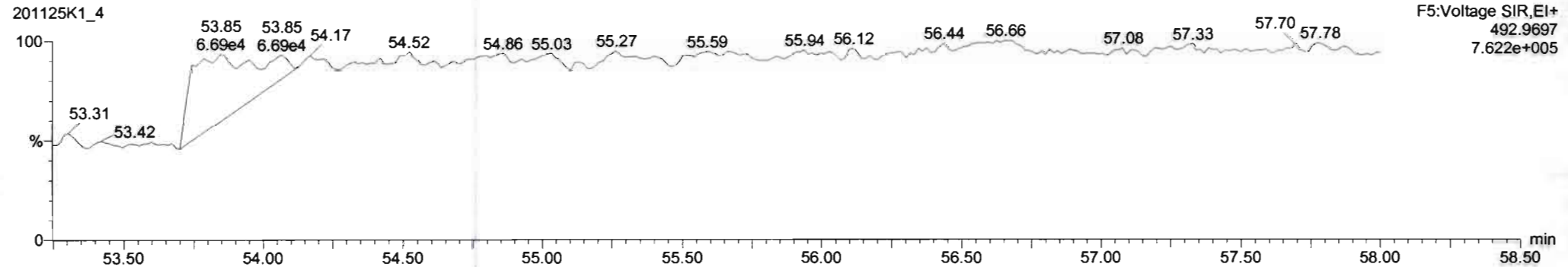
PCB-208



13C-PCB-208



PFK5



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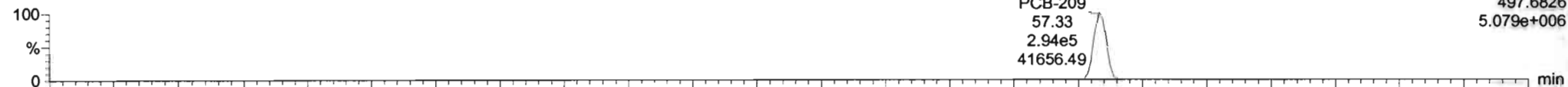
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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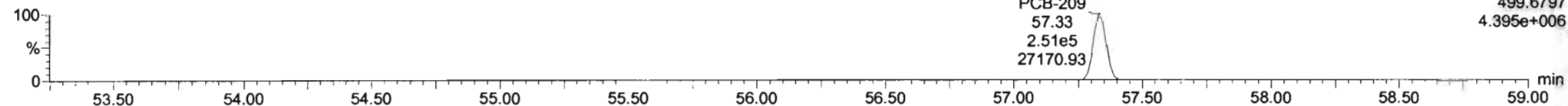
**PCB-209**

201125K1\_4



F5:Voltage SIR,EI+  
497.6826  
5.079e+006

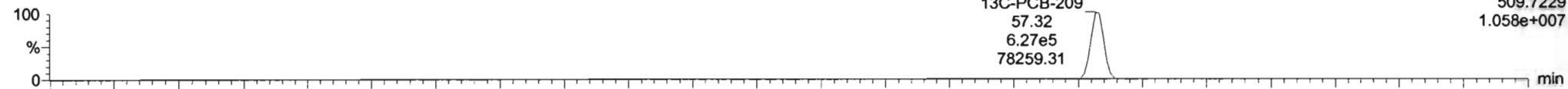
201125K1\_4



F5:Voltage SIR,EI+  
499.6797  
4.395e+006

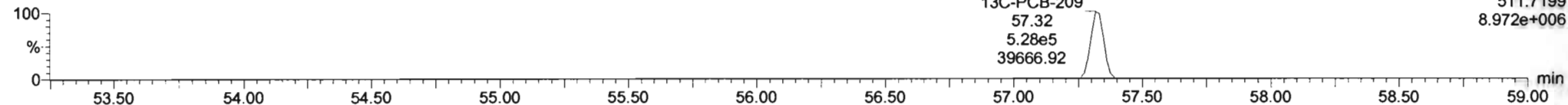
**13C-PCB-209**

201125K1\_4



F5:Voltage SIR,EI+  
509.7229  
1.058e+007

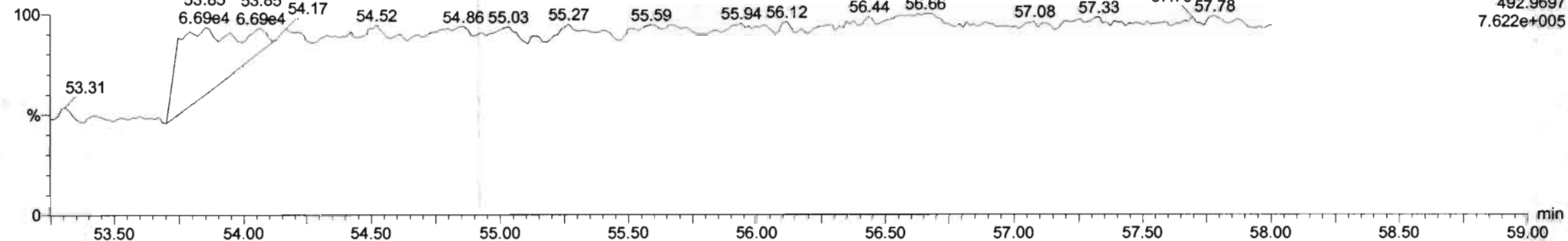
201125K1\_4



F5:Voltage SIR,EI+  
511.7199  
8.972e+006

**PFK5b**

201125K1\_4



F5:Voltage SIR,EI+  
492.9697  
7.622e+005

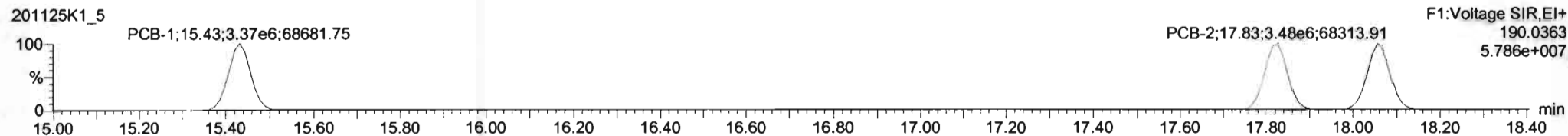
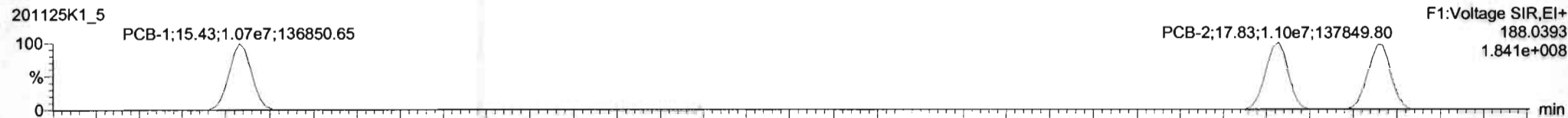
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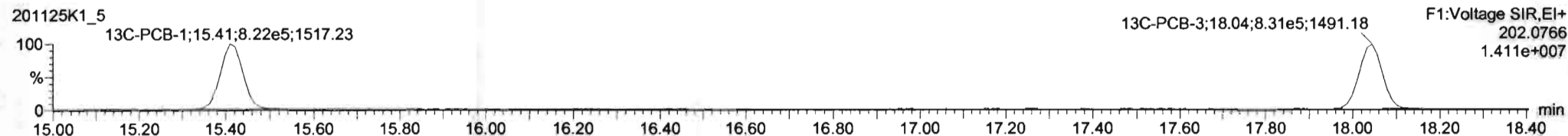
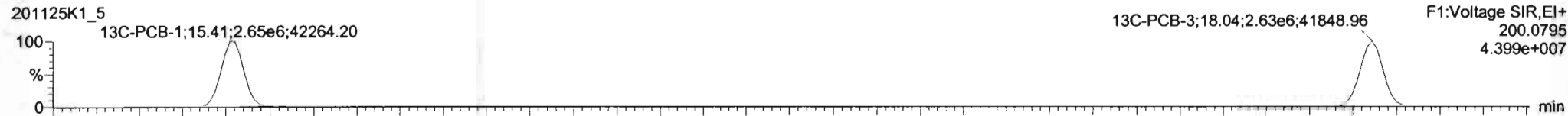
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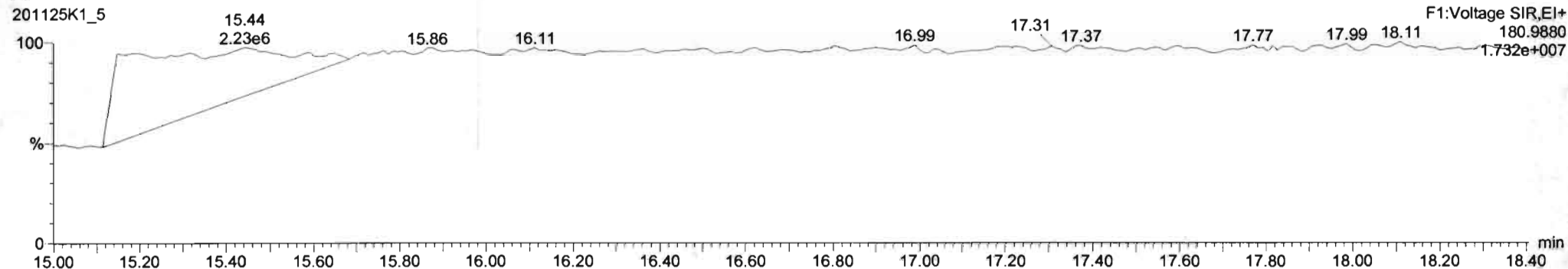
**PCB-1**



**13C-PCB-1**



**PFK1**



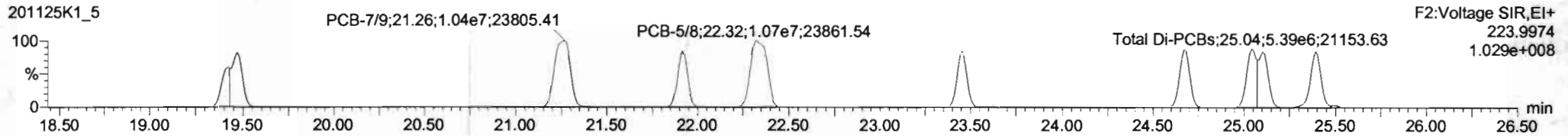
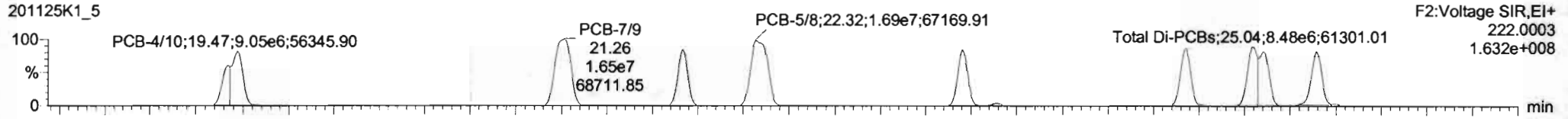


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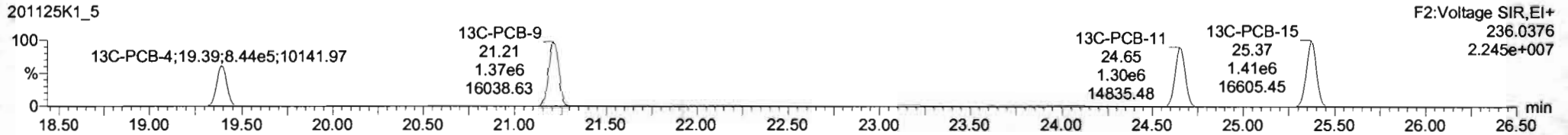
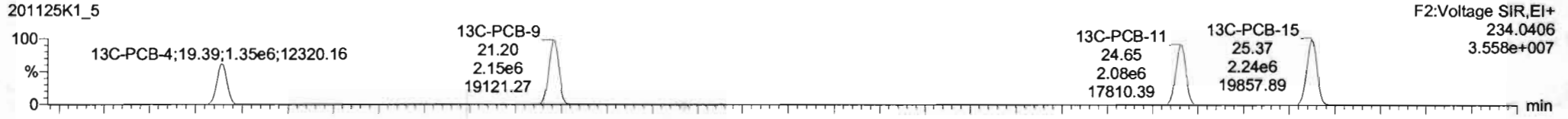
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

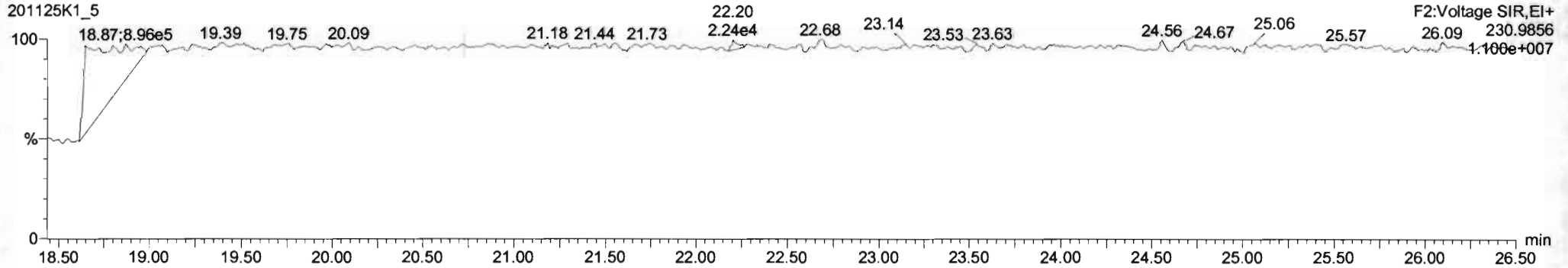
**PCB-4/10**



**13C-PCB-4**

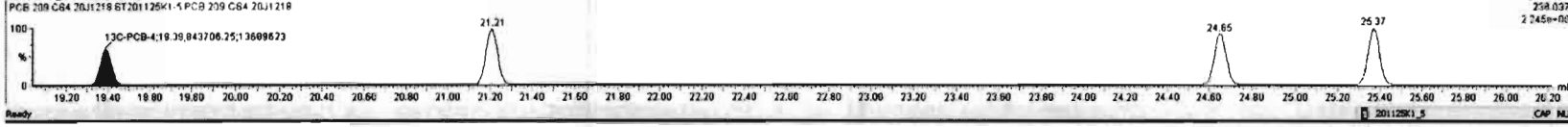
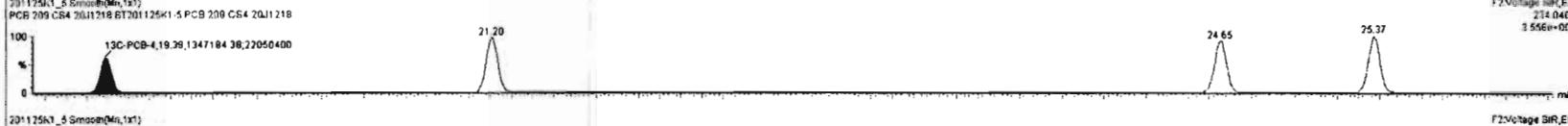
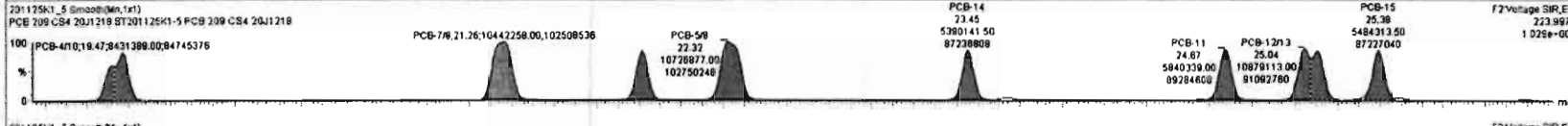
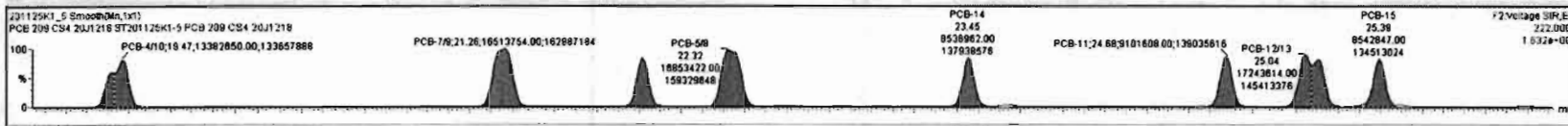


**PFK2a**



#	Name	Resp	RA	n/y	R/R	wAve	Pred.RT	RT	Pred.R...	RRT	RRT Fal	Conc	%Rec	DL	BMP
224	Total Mono-PCBs		1.0034	1.000	0.00	0.000	0.000		0.000		NO	1230		0.0227	1230
225	Total Di-PCBs		1.0387	1.000	0.00	0.000	0.000		0.000		NO	4873		0.304	4873
226	2nd Function Tri-PCBs		0.9434	1.000	0.00	0.000	0.000		0.000		NO	3270		0.0046	3270
227	3rd Function Tri-PCBs		0.9887	1.000	0.00	0.000	0.000		0.000		NO	5500		0.369	5500
228	Total Tetra-PCBs		0.9810	1.000	0.00	0.000	0.000		0.000		NO	17360		0.881	17360
229	2nd Function Penta-PCBs		1.1133	1.000	0.00	0.000	0.000		0.000		NO	16620		0.416	16620
230	4th Function Penta-PCBs		1.0512	1.000	0.00	0.000	0.000		0.000		NO	2058		0.222	2058
231	3rd Function Hexa-PCBs		0.7910	1.000	0.00	0.000	0.000		0.000		NO	5917		0.181	5917

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	PCB-4/0	19.47	19.47	1.336e7	8.431e6	1.560	1.58	NO	824.62	824.62
5	PCB-7/0	21.26	21.26	1.851e7	1.044e7	1.560	1.58	NO	816.32	816.32
3	PCB-6	21.81	21.82	0.660e6	5.454e6	1.560	1.58	NO	402.76	402.77
4	PCB-5/8	22.31	22.32	1.889e7	1.073e7	1.560	1.57	NO	803.64	803.64
5	PCB-14	23.44	23.45	8.537e6	5.390e6	1.560	1.58	NO	402.87	402.87
8	PCB-11	24.87	24.88	9.102e6	5.840e6	1.560	1.58	NO	396.50	396.50
7	PCB-12/3	25.10	25.04	1.724e7	1.089e7	1.560	1.59	NO	817.40	817.40
11	PCB-15	25.38	25.39	8.543e6	5.484e6	1.560	1.58	NO	408.51	408.51

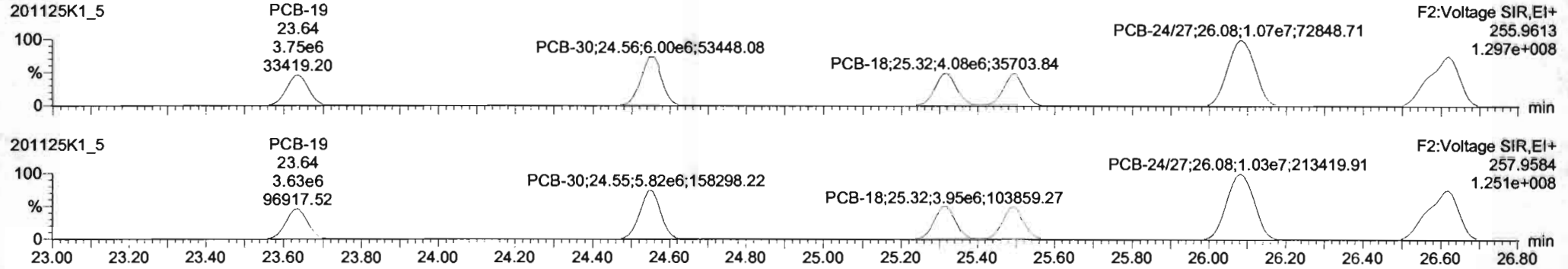


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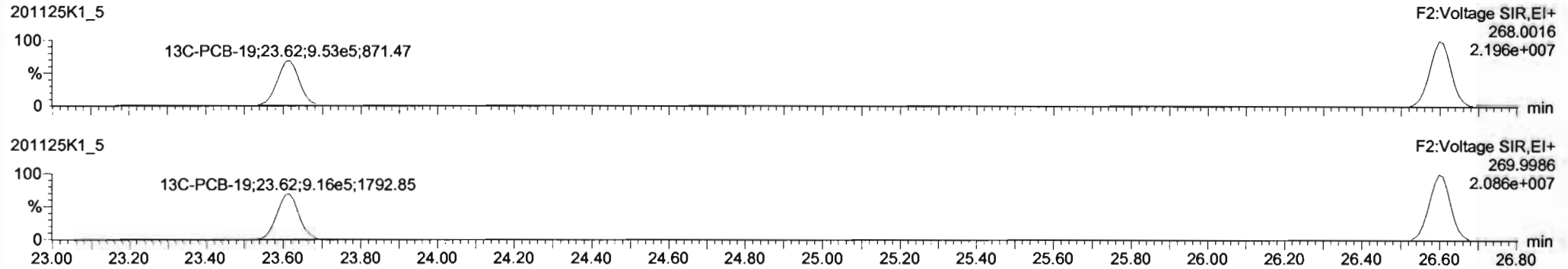
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

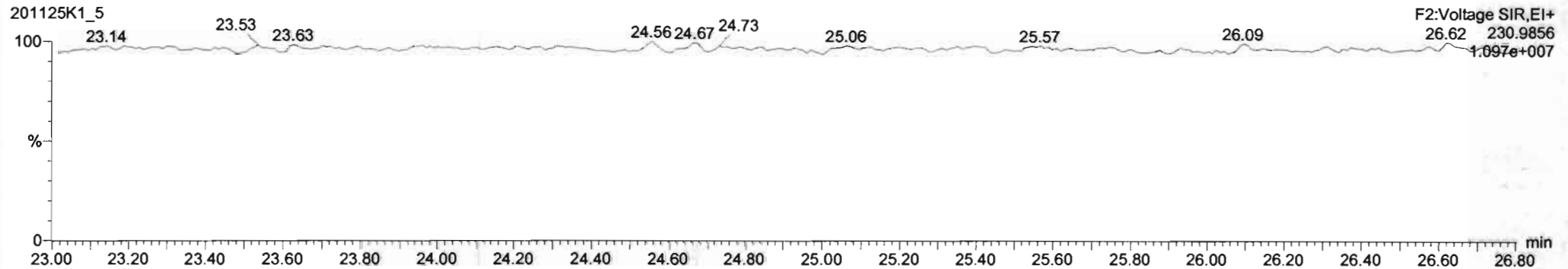
**PCB-19**



**13C-PCB-19**



**PFK2b**



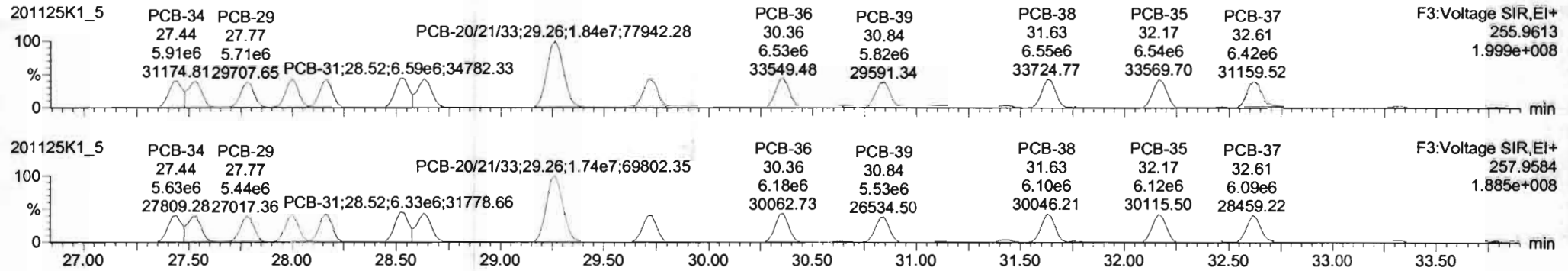
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

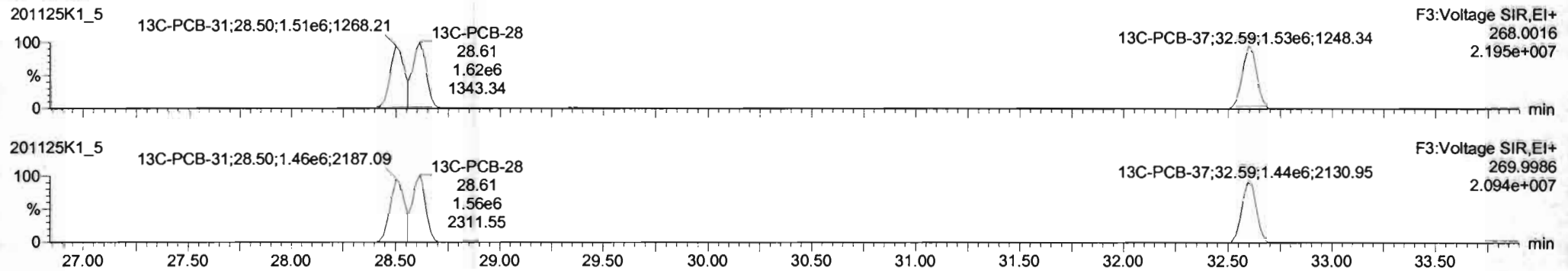
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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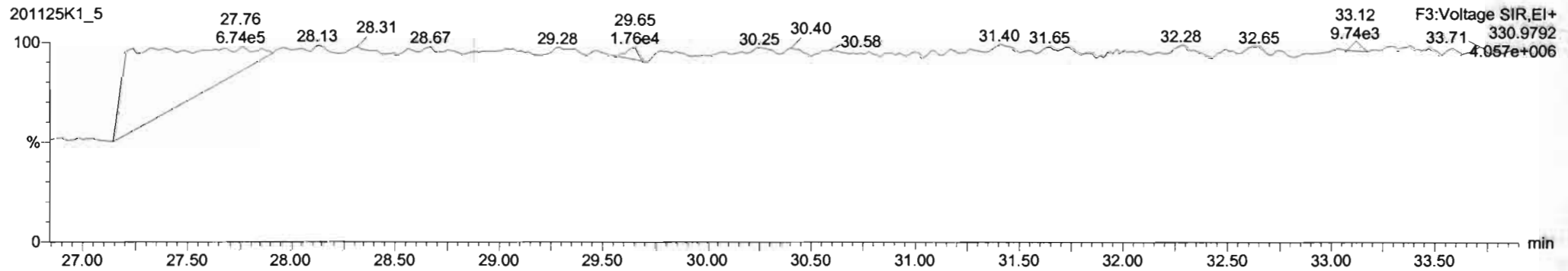
**PCB-34**

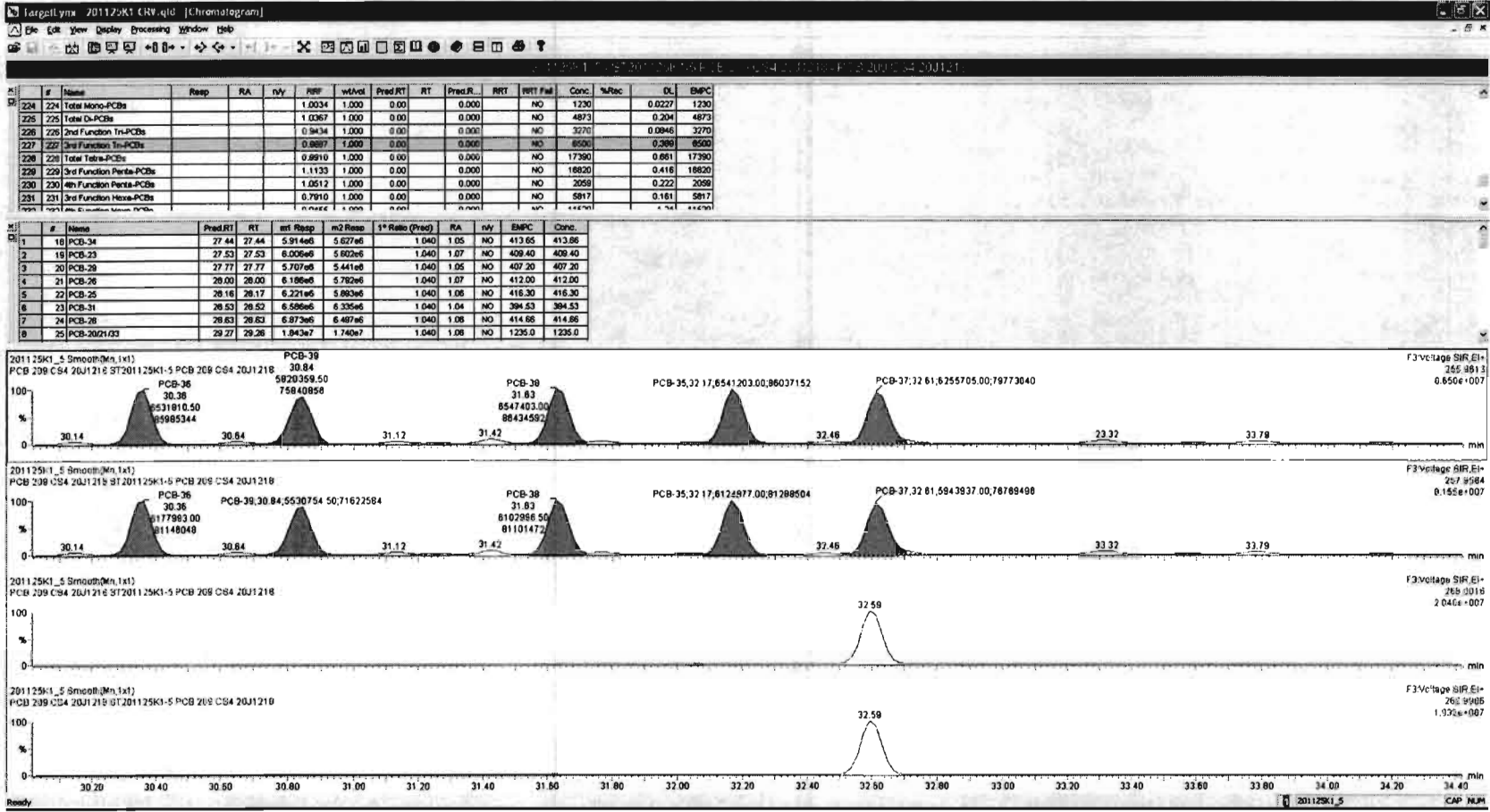


**13C-PCB-28**



**PFK3d**





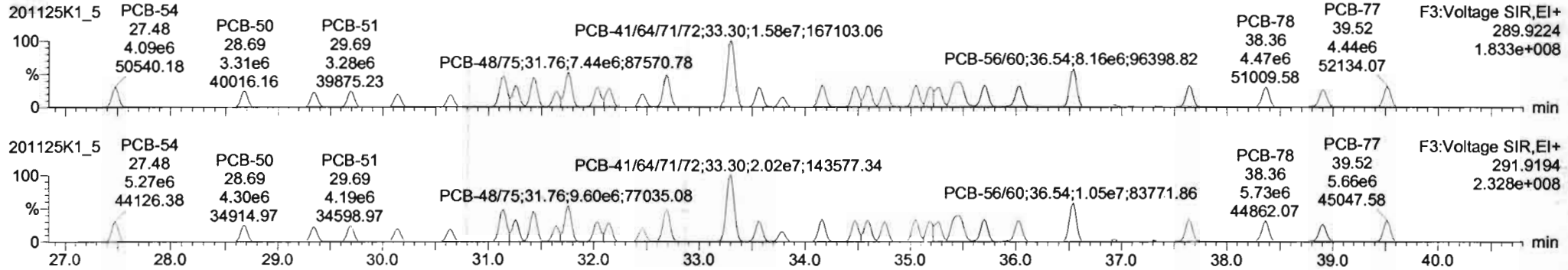
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

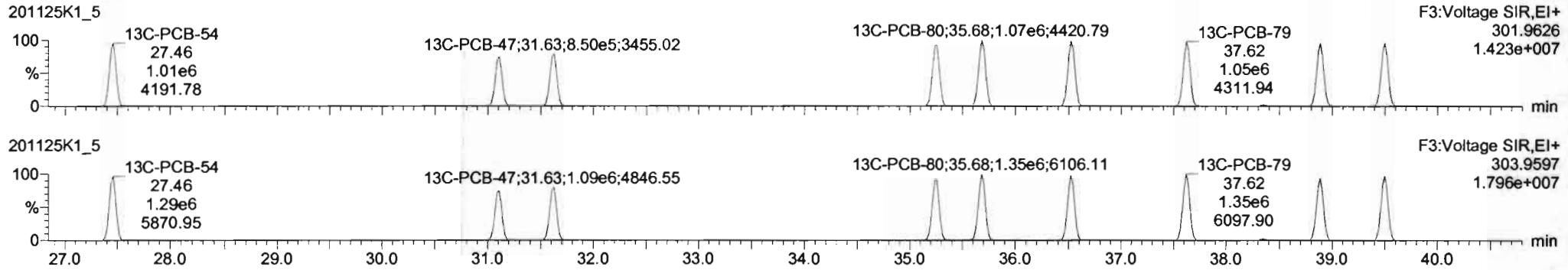
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Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

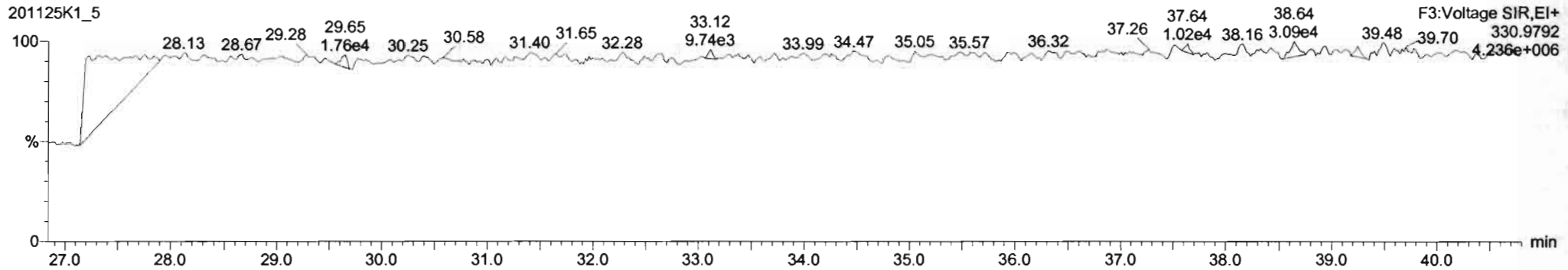
**PCB-54**



**13C-PCB-54**



**PFK3a**



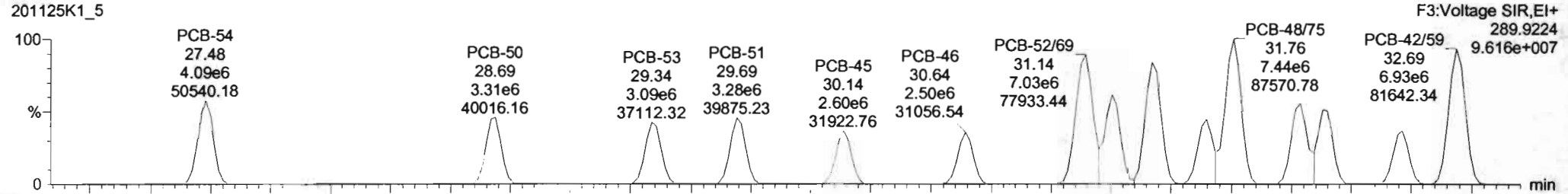
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

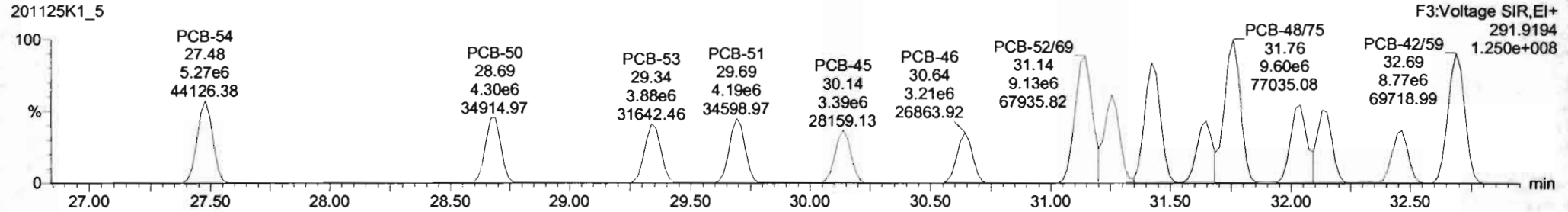
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**PCB-50**

201125K1\_5

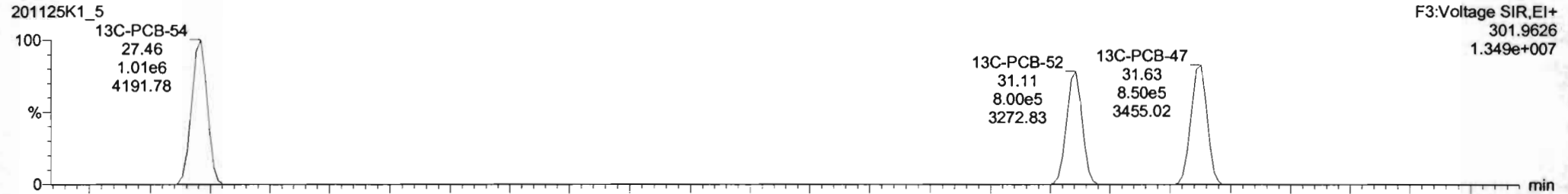


201125K1\_5

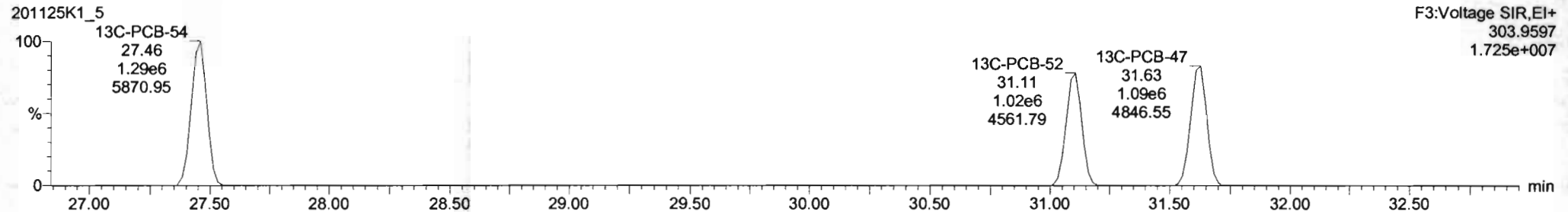


**13C-PCB-52**

201125K1\_5



201125K1\_5



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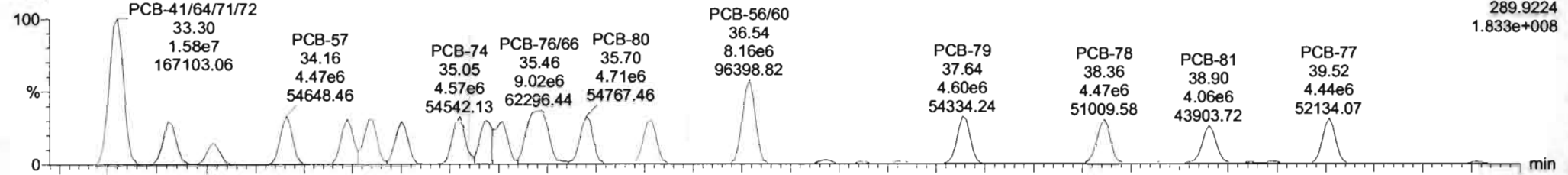
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

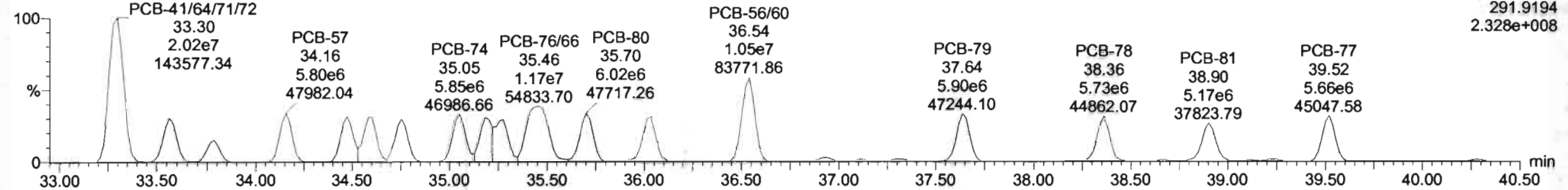
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**PCB-68**

201125K1\_5

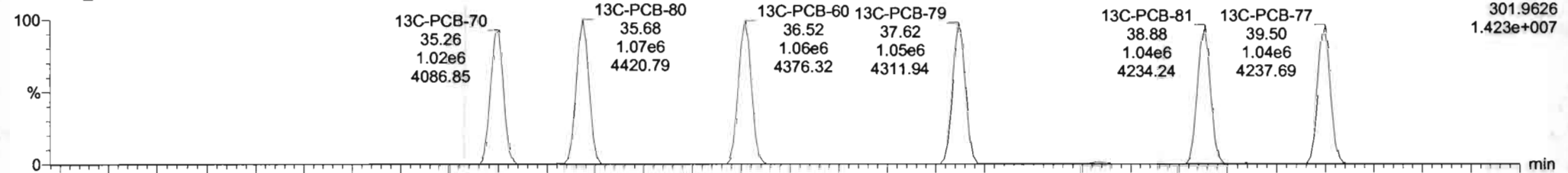


201125K1\_5

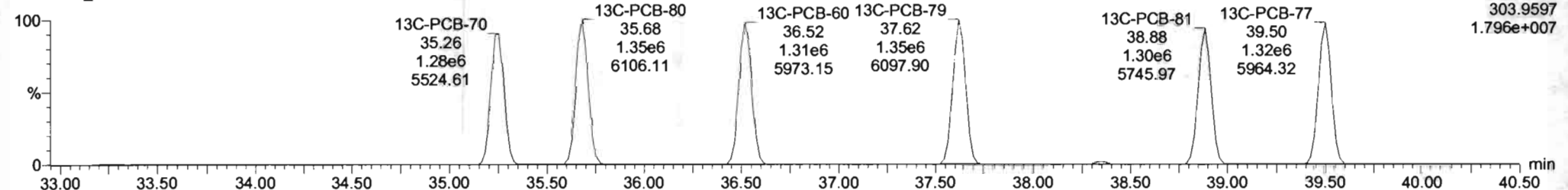


**13C-PCB-60**

201125K1\_5



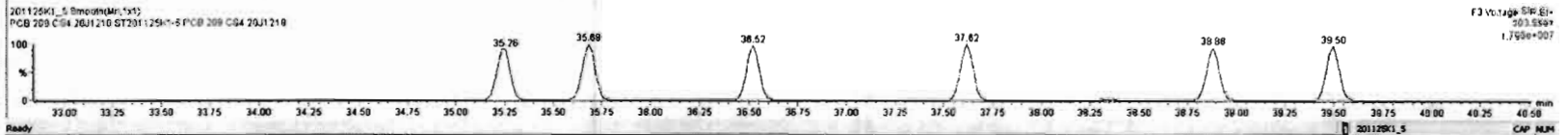
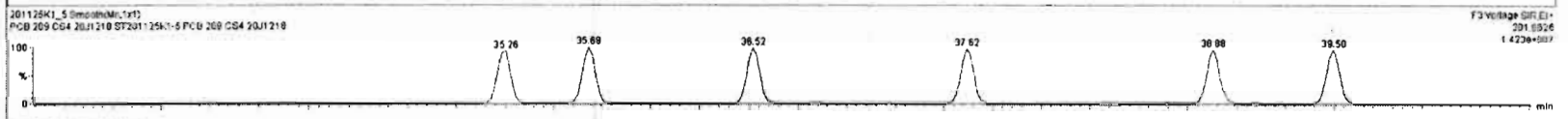
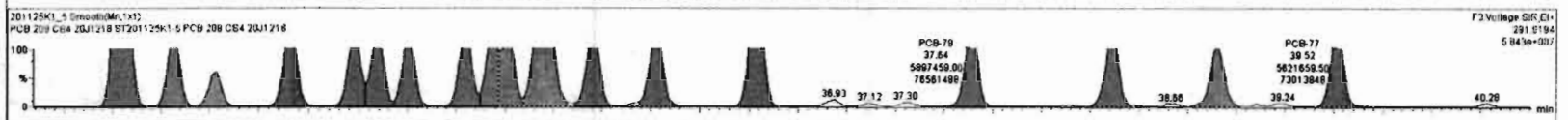
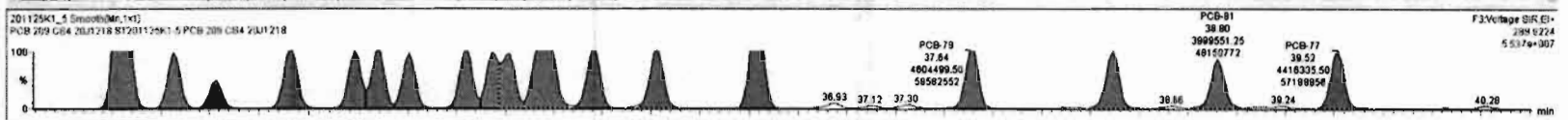
201125K1\_5





#	Name	Resp	RA	nly	RRF	stdDev	ProdRT	RT	ProdR	RRT	RRF Rat	Conc	NRec	DL	DMC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	1230		0.0227	1230
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	4873		0.204	4873
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	3270		0.0846	3270
227	3rd Function Tri-PCBs				0.8887	1.000	0.00		0.000		NO	6500		0.388	6500
228	Total Tetra-PCBs				0.8910	1.000	0.00		0.000		NO	17385		0.881	17385
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	18820		0.416	18820
230	4th Function Penta-PCBs				1.9512	1.000	0.00		0.000		NO	2059		0.222	2059
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	5817		0.181	5817
232	4th Function Hexa-PCBs				0.7447	1.000	0.00		0.000		NO	11294		0.141	11294

#	Name	ProdRT	RT	rel Resp	rel Ratio	1st Ratio (Prod)	RA	nly	DMC	Conc
1	30 PCB-54	27.48	27.48	4.087e6	5.273e6	0.770	0.77	NO	418.10	418.10
2	30 PCB-50	28.68	28.68	3.315e6	4.303e6	0.770	0.77	NO	412.96	412.96
3	34 PCB-53	29.37	29.34	3.085e6	3.877e6	0.770	0.80	NO	407.01	407.01
4	36 PCB-51	29.70	29.69	3.278e6	4.181e6	0.770	0.78	NO	410.10	410.10
5	36 PCB-45	30.15	30.14	2.597e6	3.383e6	0.770	0.76	NO	408.78	408.78
6	37 PCB-46	30.65	30.64	2.488e6	3.206e6	0.770	0.78	NO	408.50	408.50
7	38 PCB-52/68	31.14	31.14	7.034e6	8.129e6	0.770	0.77	NO	818.87	818.87
8	38 PCB-73	31.25	31.25	4.530e6	5.772e6	0.770	0.78	NO	432.93	432.93



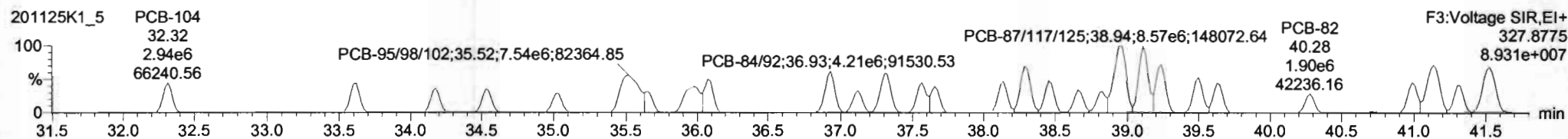
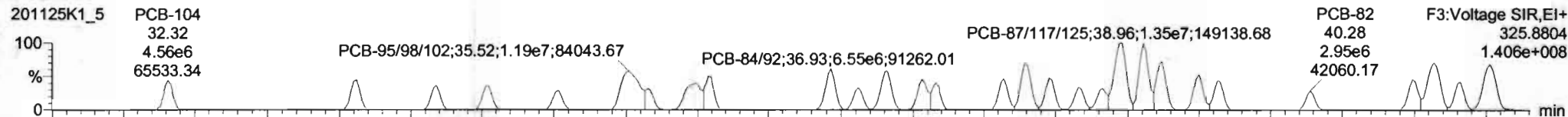
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

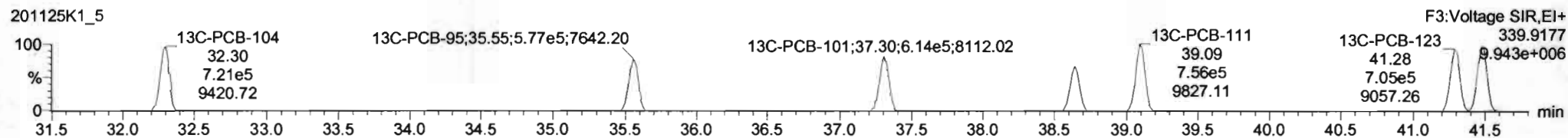
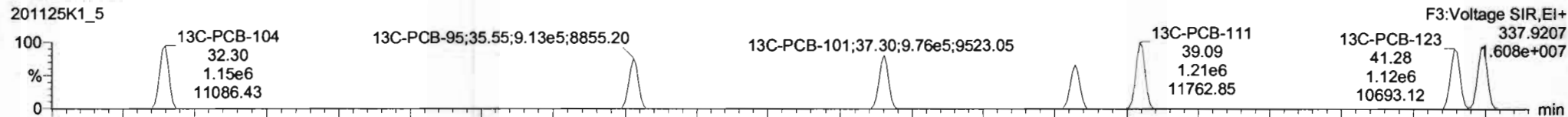
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

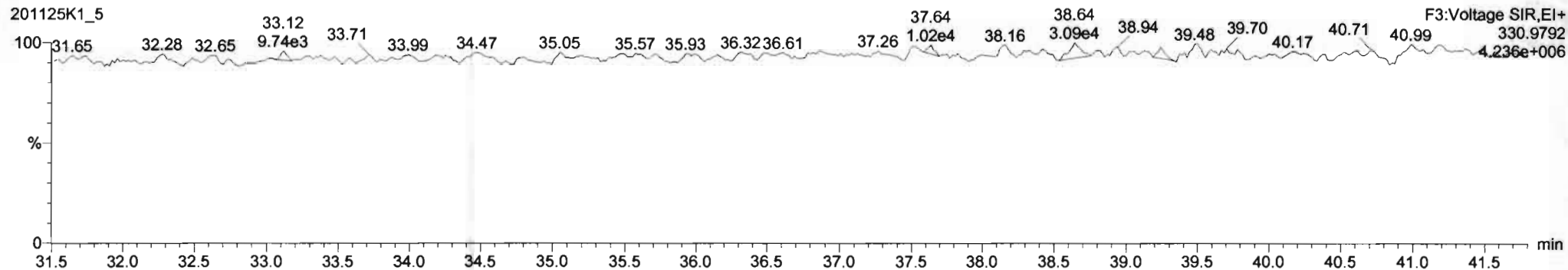
**PCB-104**



**13C-PCB-104**



**PFK3b**

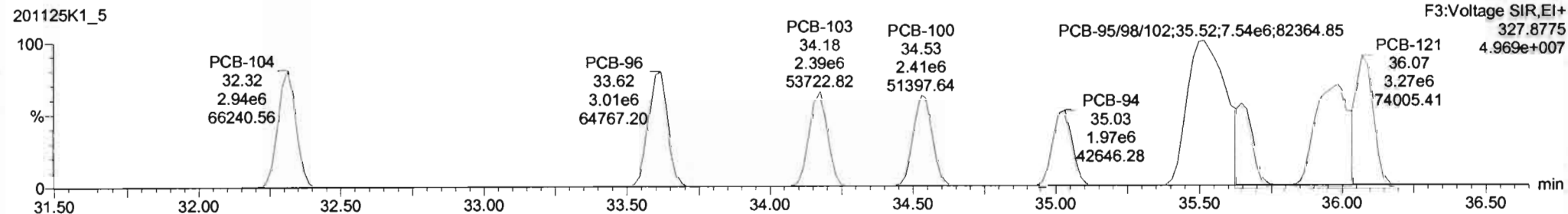
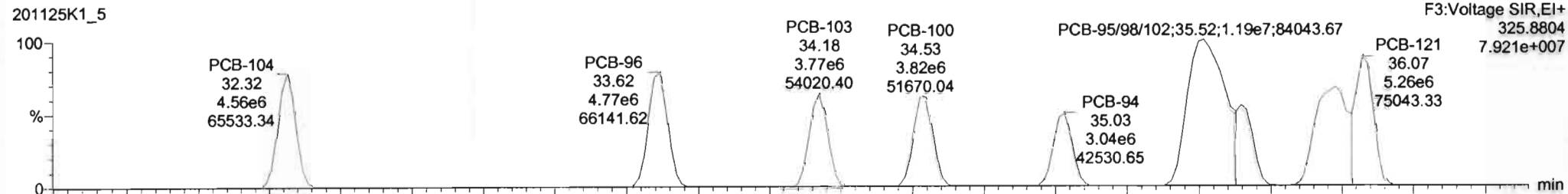


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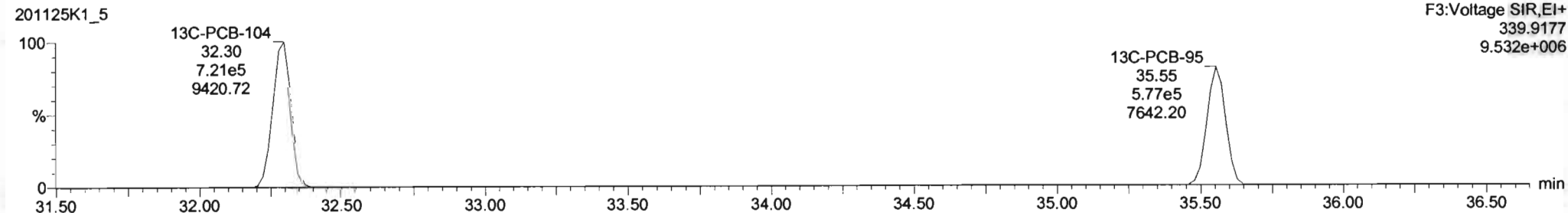
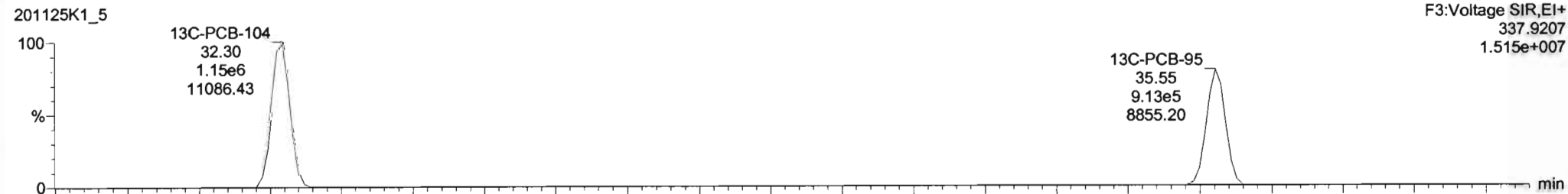
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

PCB-96



13C-PCB-95



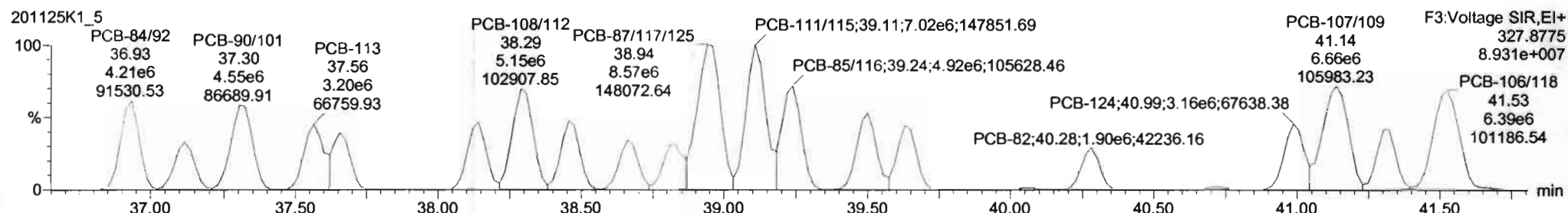
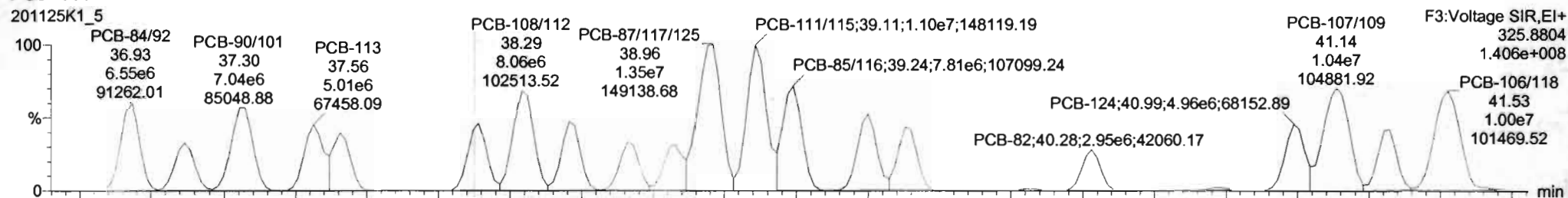
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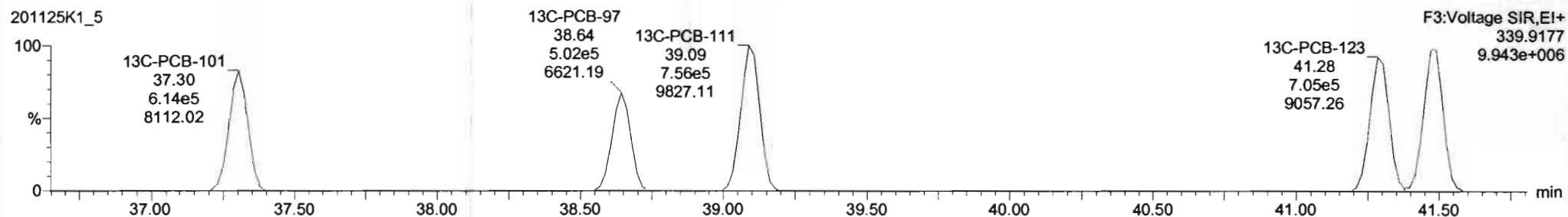
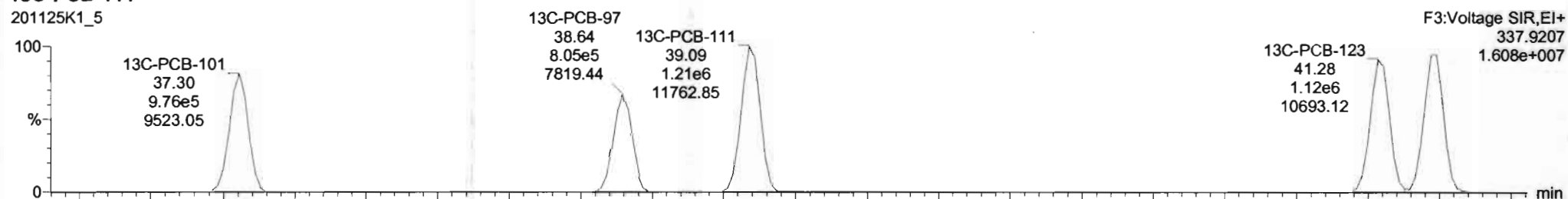
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PCB-119

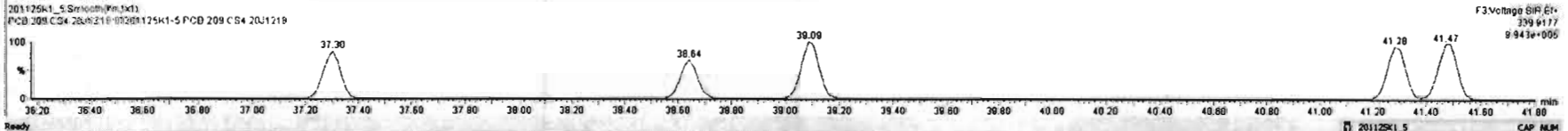
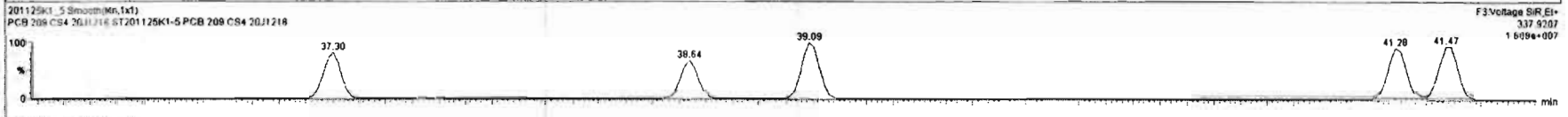
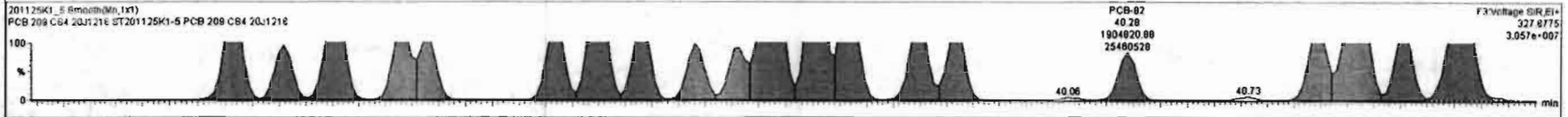
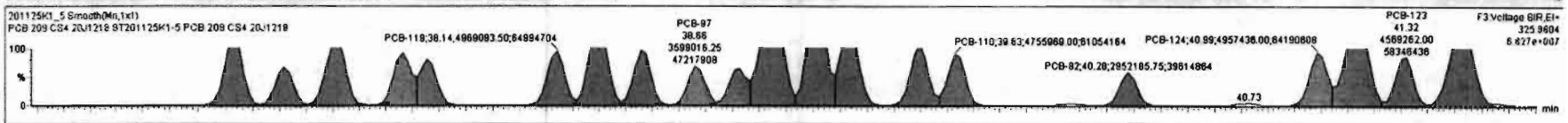


13C-PCB-111



#	Name	Resp	RA	n/y	RRF	wtAve	Pred.RT	RT	Pred.R.	PRT	PRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	1230	0.0227	1230	
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	4873	0.204	4873	
226	226 2nd Function Tri-PCBs				0.8434	1.000	0.00		0.000		NO	3270	0.0046	3270	
227	227 3rd Function Tri-PCBs				0.8687	1.000	0.00		0.000		NO	6500	0.369	6500	
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	17390	0.561	17390	
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	18820	0.418	18820	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	2058	0.222	2058	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	5817	0.161	5817	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	64 PCB-104	32.32	32.31	4.556e6	2.942e6	1.560	1.55	NO	408.89	438.89
2	65 PCB-98	33.62	33.62	4.774e6	3.006e6	1.560	1.58	NO	423.95	423.95
3	86 PCB-103	34.17	34.18	3.773e6	2.384e6	1.560	1.58	NO	428.97	428.97
4	67 PCB-100	34.54	34.53	3.825e6	2.407e6	1.560	1.58	NO	414.58	414.58
5	68 PCB-94	35.03	35.03	3.038e6	1.968e6	1.560	1.55	NO	404.52	404.52
6	69 PCB-85/98/102	35.50	35.52	1.189e7	7.543e6	1.560	1.58	NO	1218.3	1218.3
7	70 PCB-93	36.65	36.65	2.807e6	1.789e6	1.560	1.58	NO	403.43	403.43
8	71 PCB-98/91	35.98	35.98	7.077e6	4.518e6	1.560	1.57	NO	855.13	855.13



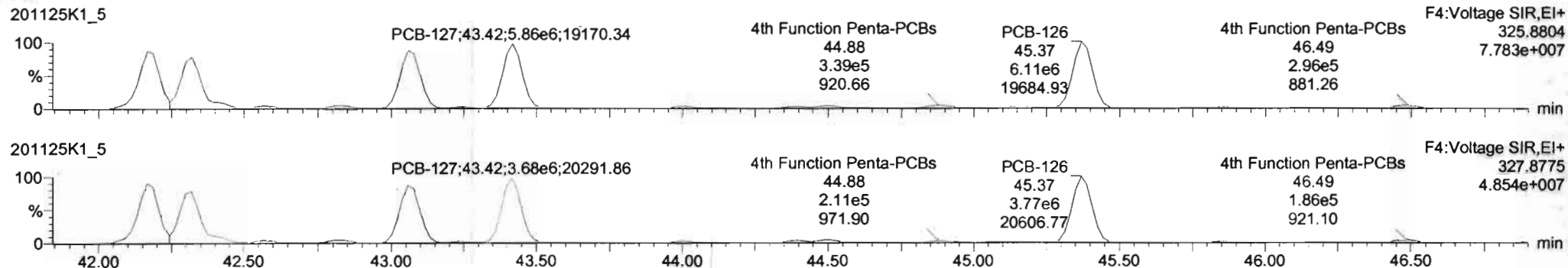
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

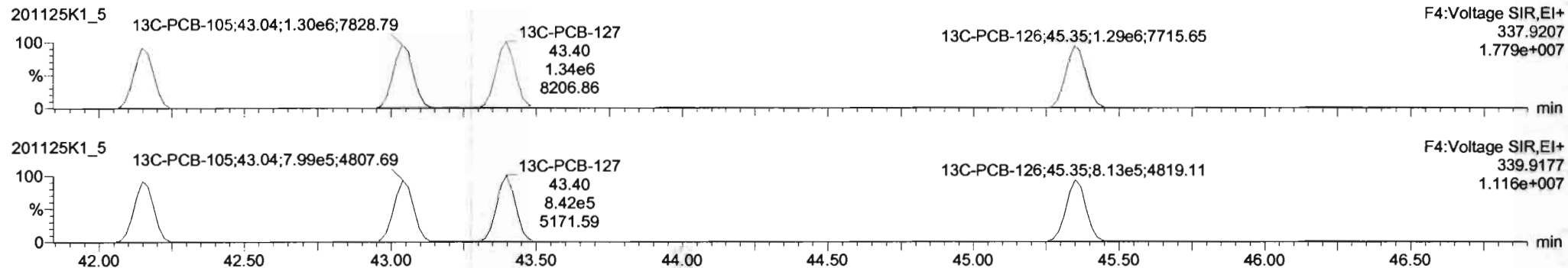
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Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

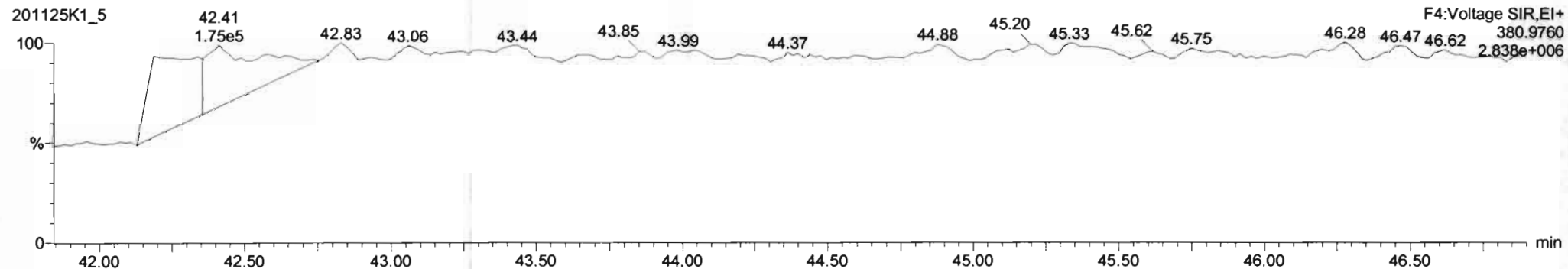
**PCB-114**



**13C-PCB-114**

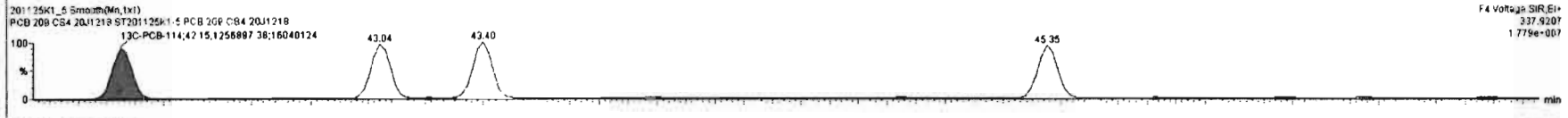
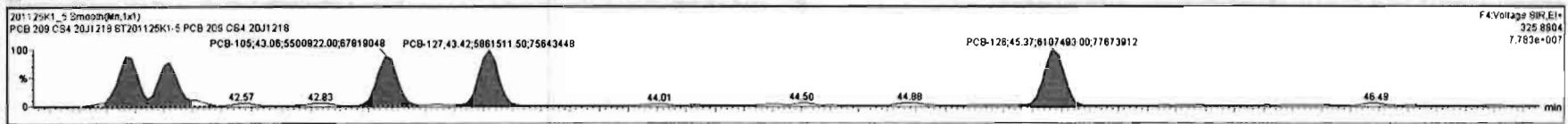


**PFK4a**



#	Name	Resp	RA	n/y	RF	nt/nt	Pred.RT	RT	Prod.R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	1230		0.0227	1230
225	Total Di-PCBs				1.0267	1.000	0.00		0.000		NO	4873		0.204	4873
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	3270		0.0846	3270
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	6500		0.399	6500
228	Total Tetra-PCBs				0.9010	1.000	0.00		0.000		NO	17390		0.861	17390
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	16620		0.416	16620
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	2069		0.222	2069
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	5817		0.181	5817

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	83 PCB-114	42.17	42.17	5.539e6	3.547e6	1.590	1.58	NO	408.10	408.10
2	84 PCB-122	42.32	42.32	4.968e6	3.077e6	1.580	1.58	NO	415.73	415.73
3	85 PCB-105	43.06	43.06	5.501e6	3.435e6	1.550	1.60	NO	411.46	411.46
4	86 PCB-127	43.42	43.42	5.062e6	3.081e6	1.560	1.59	NO	414.48	414.48
5	87 PCB-126	45.37	45.37	8.107e6	3.799e6	1.560	1.61	NO	408.71	409.71



Dataset: Untitled

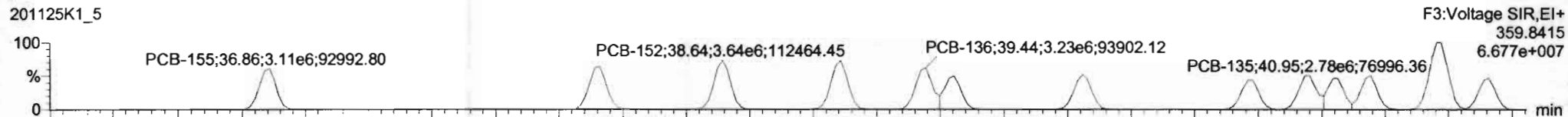
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

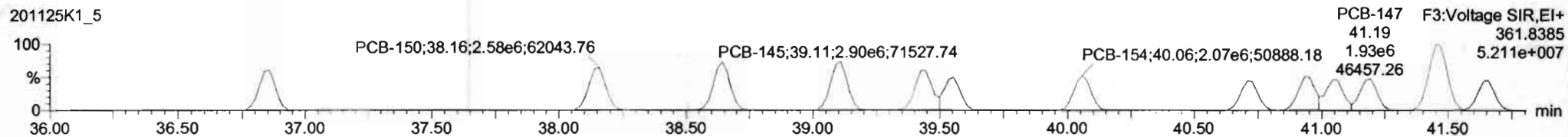
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**PCB-155**

201125K1\_5

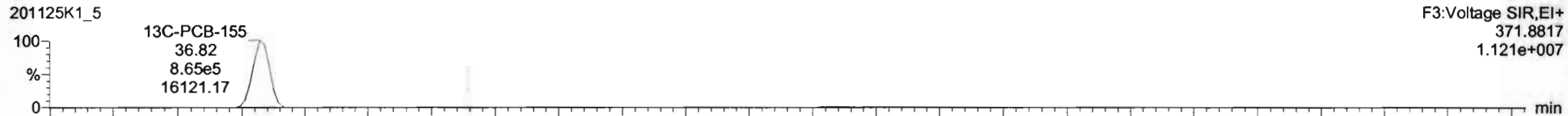


201125K1\_5

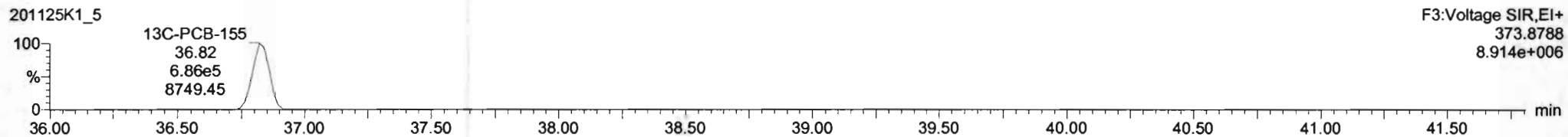


**13C-PCB-155**

201125K1\_5

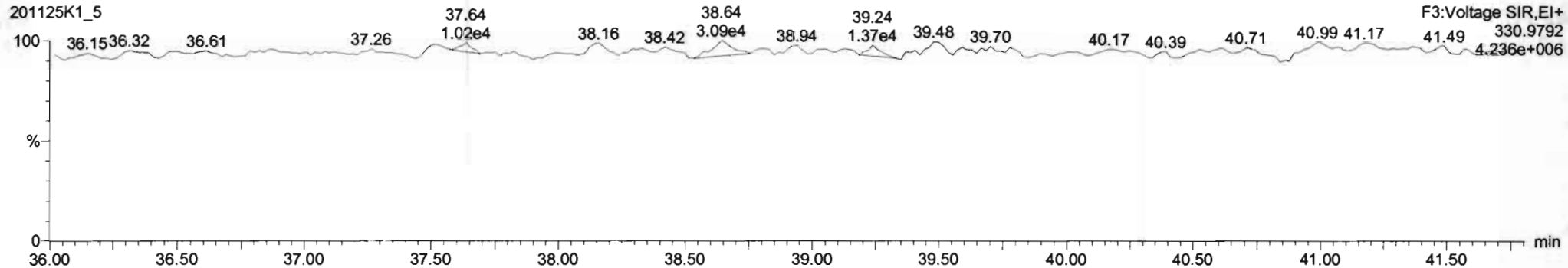


201125K1\_5



**PFK3c**

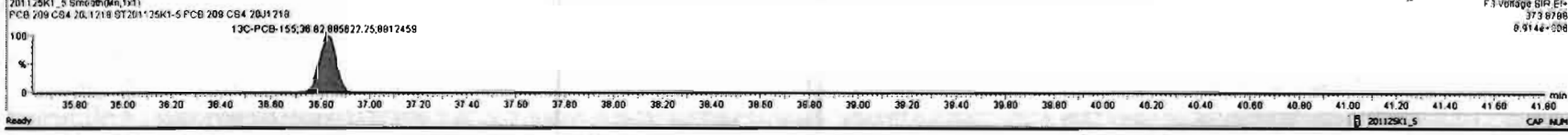
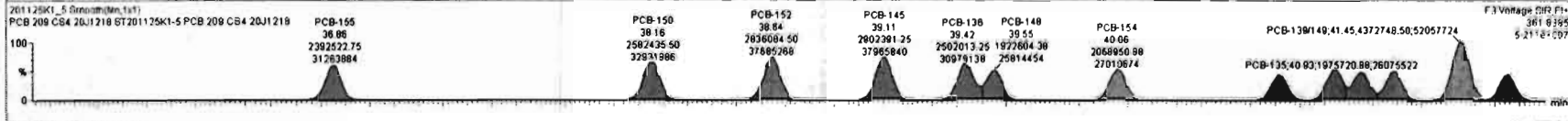
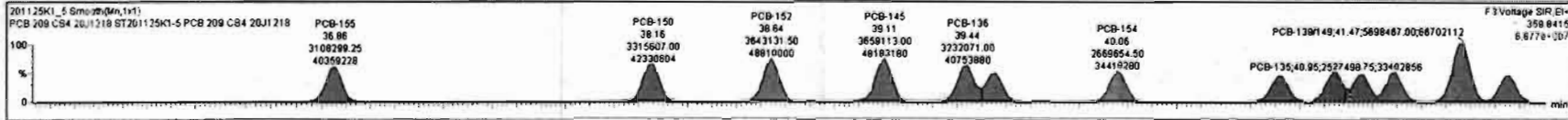
201125K1\_5





#	Name	Resp	RA	n/y	RRF	wAve	Pred RT	RT	Pred R	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000	0.000	NO	NO	1230	0.0227	1230	
225	225 Total Di-PCBs				1.0367	1.000	0.00	0.000	0.000	NO	NO	4873	0.204	4873	
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000	NO	NO	3270	0.0846	3270	
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000	0.000	NO	NO	6500	0.368	6500	
228	228 Total Tetra-PCBs				0.9910	1.000	0.00	0.000	0.000	NO	NO	17390	0.681	17390	
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000	NO	NO	18820	0.416	18820	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000	NO	NO	2058	0.227	2058	
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000	NO	NO	5817	0.181	5817	

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	98 PCB-155	36.84	36.86	3.108e6	2.393e6	1.240	1.30	NO	416.08	416.08
2	99 PCB-150	38.16	38.18	3.316e6	2.582e6	1.240	1.28	NO	407.14	407.14
3	100 PCB-152	38.84	38.84	3.843e6	2.836e6	1.240	1.28	NO	410.38	410.38
4	101 PCB-145	38.11	38.11	3.659e6	2.902e6	1.240	1.28	NO	430.55	430.55
5	102 PCB-138	39.44	39.44	3.232e6	2.502e6	1.240	1.29	NO	418.71	418.71
6	103 PCB-148	38.55	38.55	2.481e6	1.923e6	1.240	1.30	NO	427.34	427.34
7	104 PCB-154	40.08	40.08	2.670e6	2.086e6	1.240	1.29	NO	434.02	434.02
8	105 PCB-151	40.72	40.71	2.304e6	1.805e6	1.240	1.28	NO	393.10	393.10

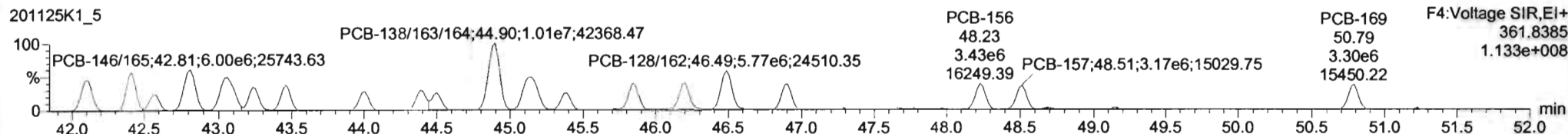
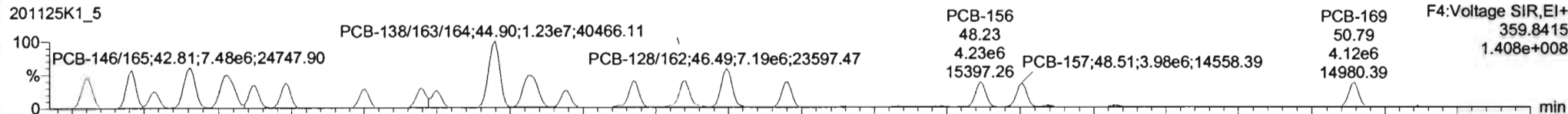


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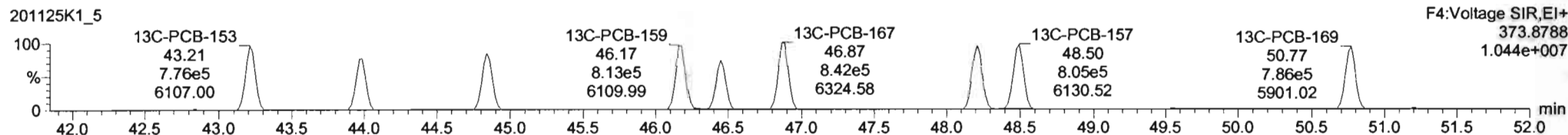
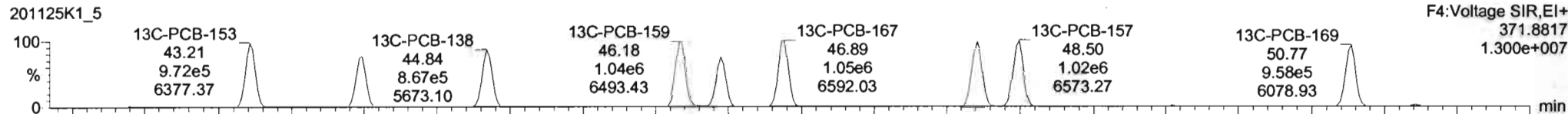
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Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

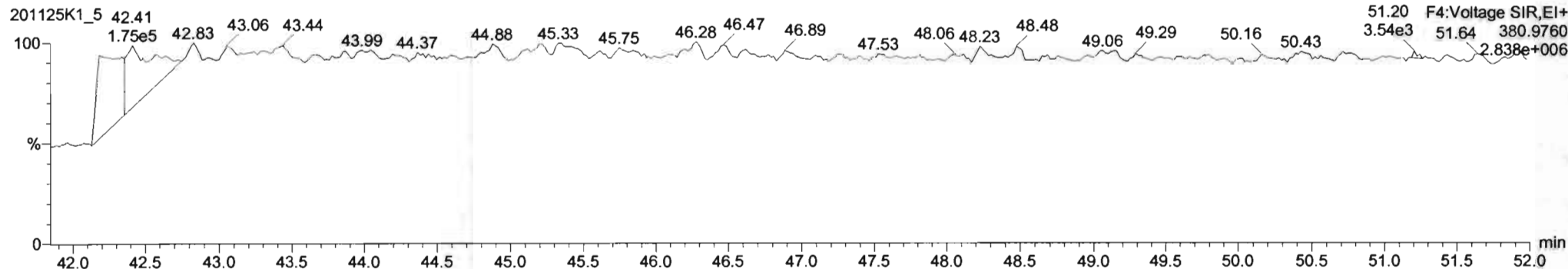
**PCB-134/143**



**13C-PCB-153**

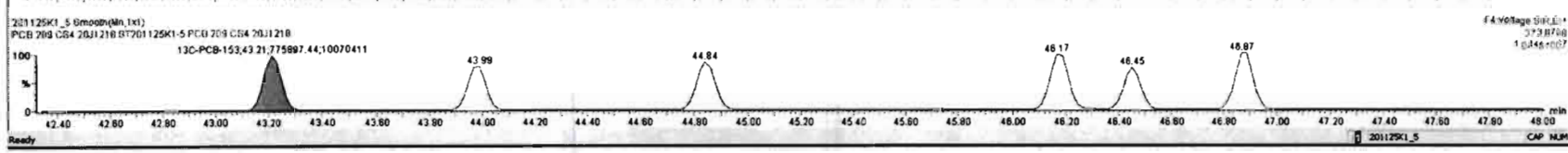
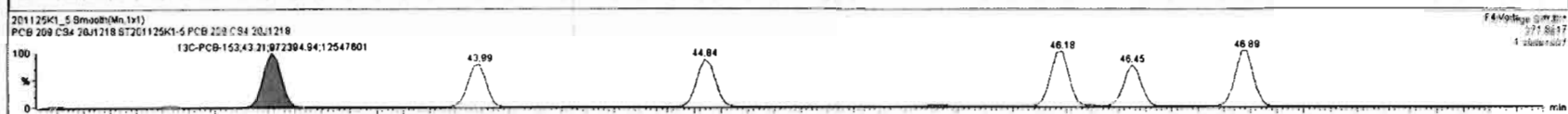
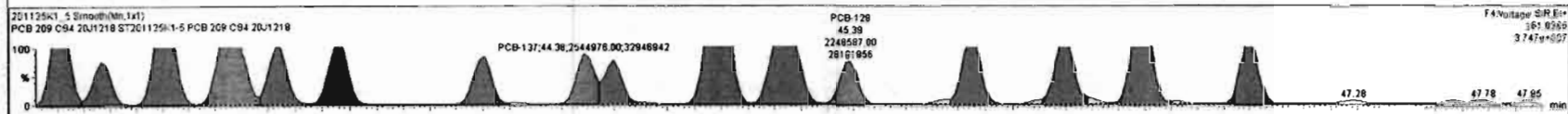
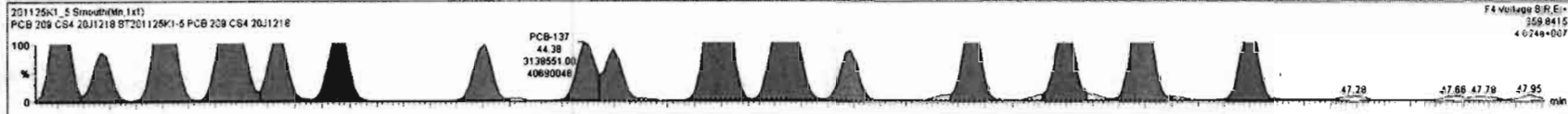


**PFK4b**



#	Name	Resp	RA	n/y	RR'	wtVcl	Pred RT	RT	Pred R...	RRT	RRT Fat	Conc	%Isc	Et	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	1230		0.0227	1230
225	Total Di-PCBs				1.2367	1.000	0.00	0.000			NO	4873		0.204	4873
226	2nd Function Tri-PCBs				0.8434	1.000	0.00	0.000			NO	3270		0.0848	3270
227	3rd Function Tri-PCBs				0.8887	1.000	0.00	0.000			NO	6500		0.269	6500
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000			NO	17390		0.691	17390
229	2nd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO	16820		0.416	16820
230	3rd Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO	2059		0.222	2059
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000			NO	5917		0.161	5917

#	Name	Pred RT	RT	wt Filter	wt Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	111 PCB-134i43	42.11	42.11	5.711e6	4.599e6	1.240	1.24	NO	820.87	820.87
2	117 PCB-131A33	42.42	42.41	6.133e6	4.834e6	1.240	1.24	NO	824.64	824.64
3	113 PCB-142	42.58	42.57	2.781e6	2.199e6	1.240	1.26	NO	412.85	412.85
4	114 PCB-146i65	42.81	42.81	7.477e6	5.999e6	1.240	1.25	NO	817.07	817.07
5	115 PCB-132i61	43.06	43.06	7.657e6	6.107e6	1.240	1.25	NO	822.58	822.58
6	116 PCB-153	43.25	43.23	3.819e6	3.049e6	1.240	1.25	NO	386.73	386.73
7	117 PCB-168	43.46	43.46	4.085e6	3.286e6	1.240	1.25	NO	408.03	408.03
8	118 PCB-141	44.01	44.01	3.085e6	2.482e6	1.240	1.25	NO	410.44	410.44

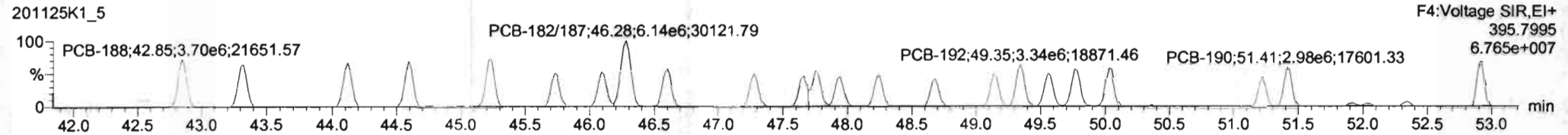
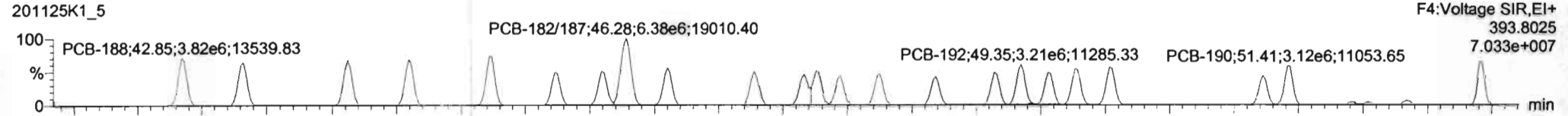


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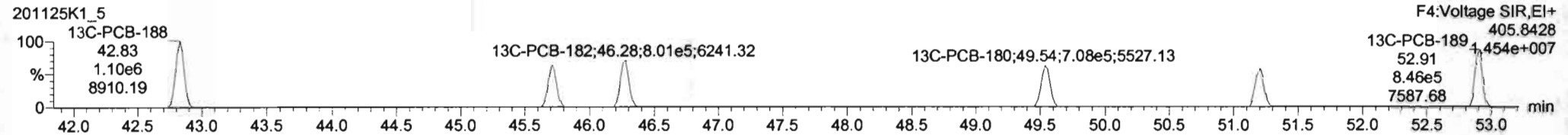
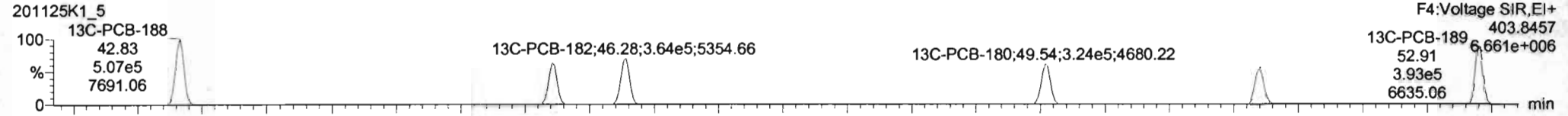
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_5, Date: 25-Nov-2020, Time: 13:49:04, ID: ST201125K1-5 PCB 209 CS4 20J1218, Description: PCB 209 CS4 20J1218

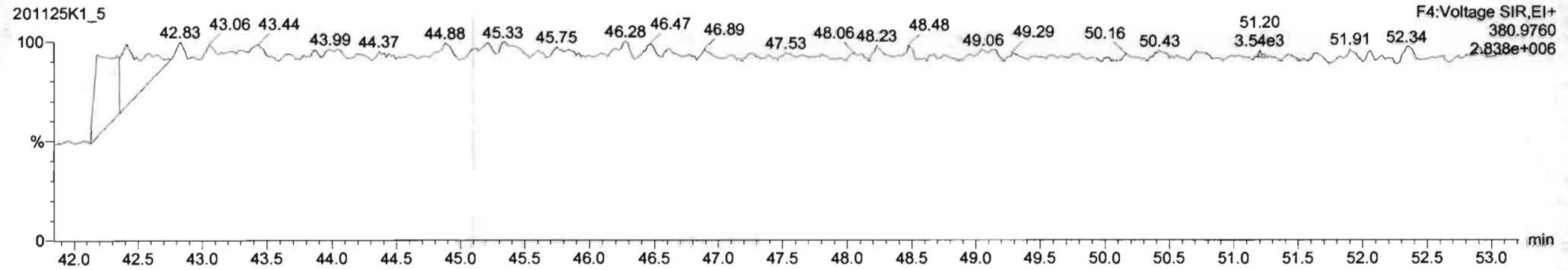
**PCB-188**



**13C-PCB-188**

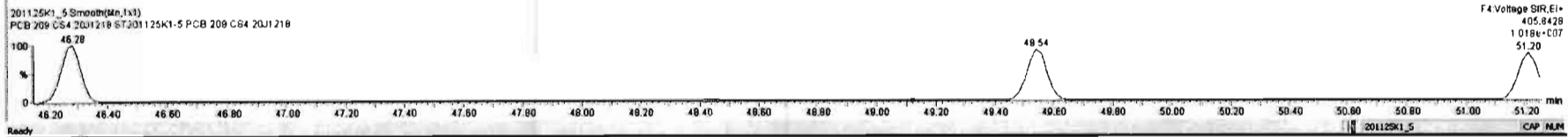
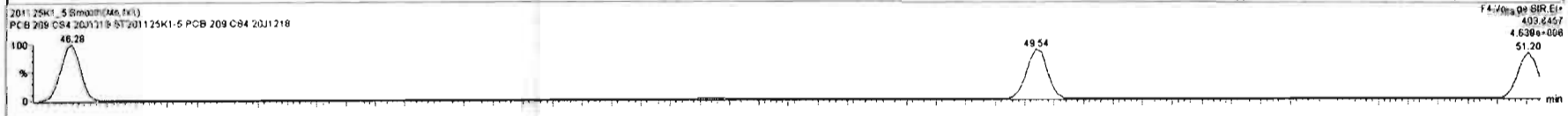
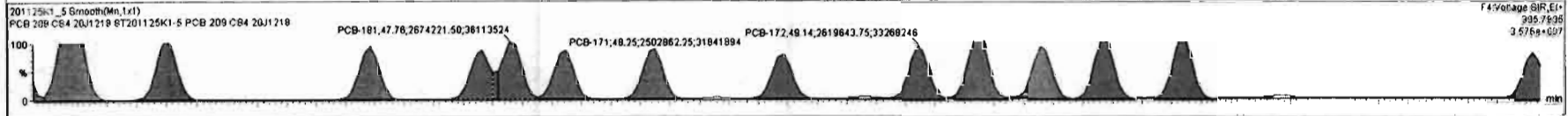
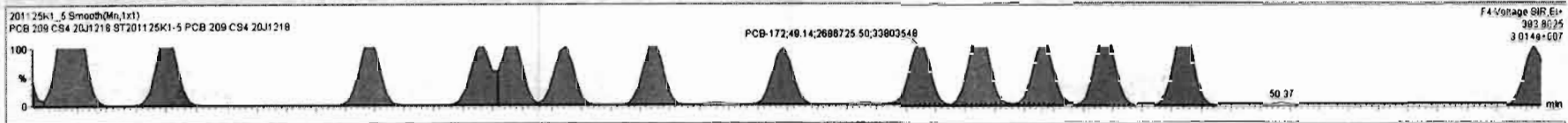


**PFK4c**



#	Name	Resp	RA	n/y	RRF	wt/val	Pred RT	RT	Pred R...	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	Total Hepta-PCBs				1.2043	1.000	0.00	0.000			NO	9740	1.48	9740	
234	4th Function Octa-PCBs				0.8605	1.000	0.00	0.000			NO	3755	0.267	3755	
235	5th Function Octa-PCBs				1.0957	1.000	0.00	0.000			NO	1213	0.178	1213	
236	Total Nona-PCBs				0.8671	1.000	0.00	0.000			NO	1248	0.284	1248	
237	Deca-CB				0.8627	1.000	0.00	0.000			NO	408.1	0.00348	408.1	
238	Total PCBs														
239	Total Mono-Isotopes														
240	Total Di-Isotopes														

#	Name	Pred RT	RT	nt Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc
1	PCB-188	42.87	42.85	3.820e6	3.702e6	1.050	1.03	NO	406.62	406.62
2	PCB-184	43.32	43.32	3.598e6	3.465e6	1.050	1.04	NO	385.11	385.11
3	PCB-179	44.12	44.12	3.658e6	3.479e6	1.050	1.05	NO	412.80	412.80
4	PCB-176	44.58	44.59	3.716e6	3.554e6	1.050	1.05	NO	405.99	405.99
5	PCB-186	45.24	45.22	4.045e6	3.891e6	1.050	1.04	NO	400.10	400.10
6	PCB-178	45.75	45.73	2.699e6	2.618e6	1.050	1.03	NO	398.05	398.05
7	PCB-175	46.00	46.00	2.816e6	2.748e6	1.050	1.02	NO	405.47	405.47
8	PCB-182/187	46.28	46.28	6.381e6	6.143e6	1.050	1.04	NO	626.44	626.44



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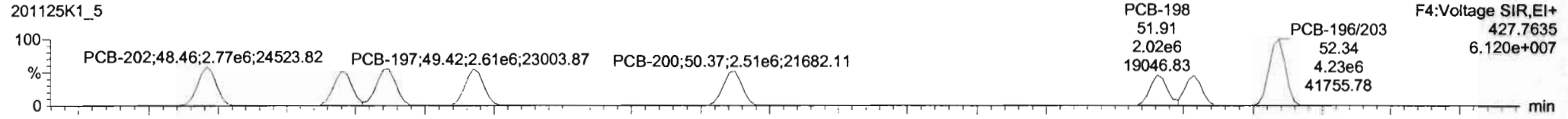
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

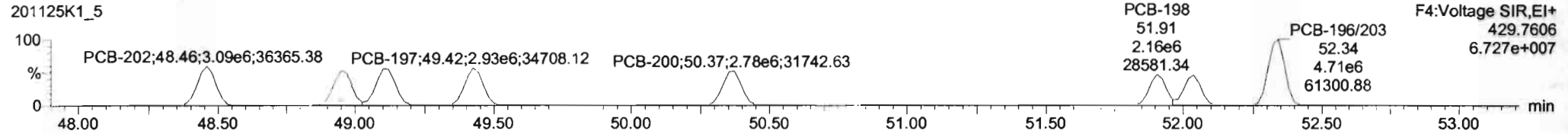
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**PCB-202**

201125K1\_5

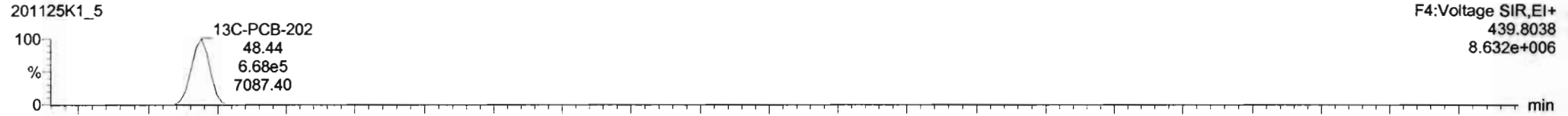


201125K1\_5

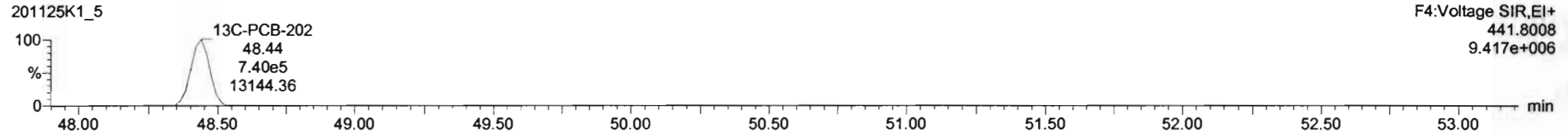


**13C-PCB-202**

201125K1\_5

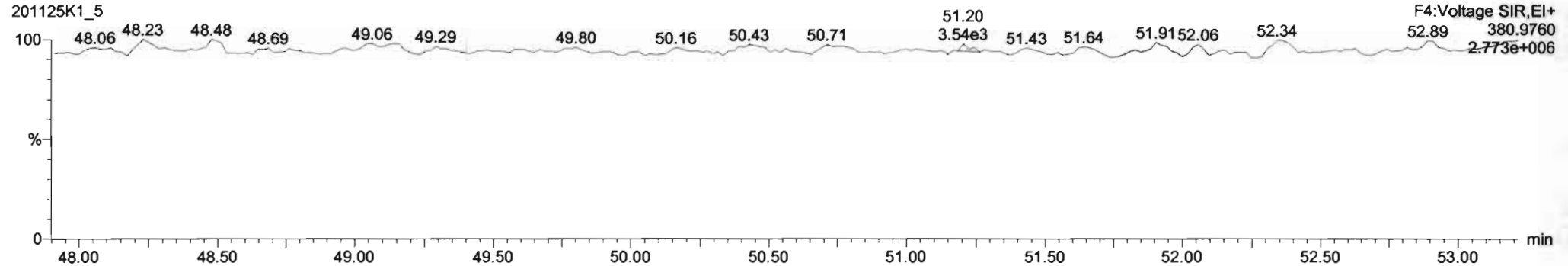


201125K1\_5



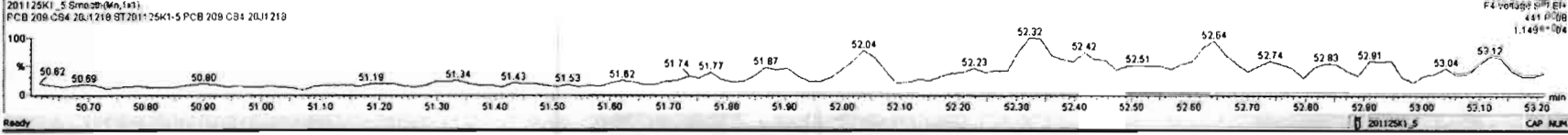
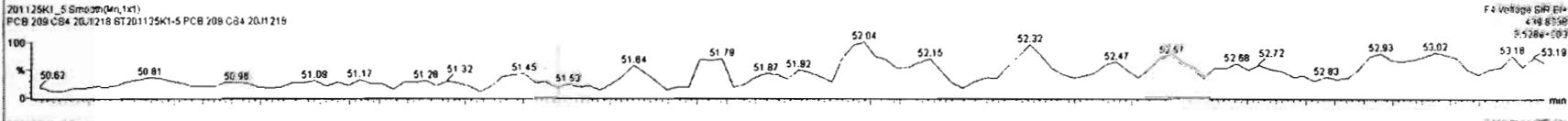
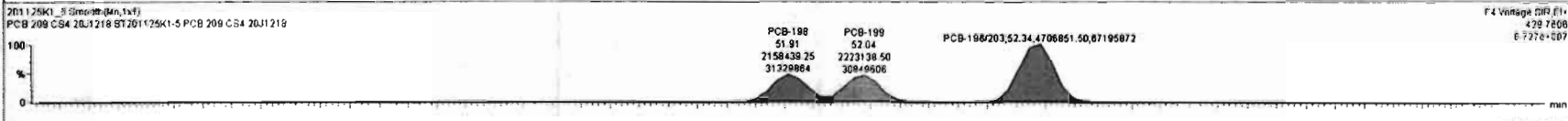
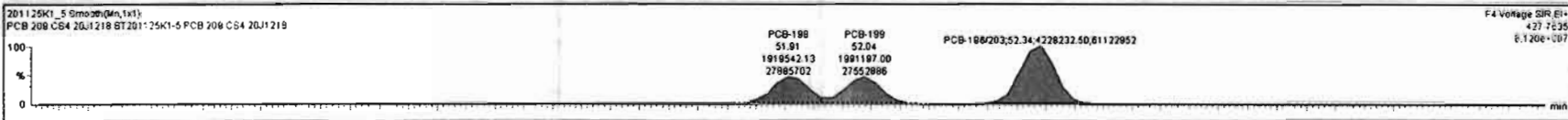
**PFK4d**

201125K1\_5



#	Name	Resp	RA	n/y	RRF	wt/vol	Pred RT	RT	Prad R	RRT	RRT Fail	Conc	%Rec	DL	EMPC
233	233 Total Hepta-PCBs		1.2043	1.000	0.000	1.000	0.00	0.000	0.000	NO	NO	9740	1.48	9740	
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00	0.000	0.000	NO	NO	3755	0.267	3755	
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00	0.000	0.000	NO	NO	1213	0.178	1213	
236	236 Total Nona-PCBs		0.8071	1.000	0.00	0.00	0.000	0.000	0.000	NO	NO	1248	0.264	1248	
237	237 Deca-CB		0.8627	1.000	0.00	0.00	0.000	0.000	0.000	NO	NO	409.1	0.00346	409.1	
238	238 Total PCBs														
239	239 Total Mono-Isotopes														
240	240 Total Di-Isotopes														

#	Name	Pred RT	RT	ml Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
1	154 PCB-202	48.48	48.46	2.775e6	3.067e6	0.900	0.90	NO	418.74	418.74
2	155 PCB-201	48.97	48.95	2.433e6	2.716e6	0.890	0.90	NO	404.75	404.75
3	156 PCB-204	49.12	49.12	2.742e6	3.027e6	0.890	0.91	NO	429.25	429.24
4	157 PCB-197	49.44	49.42	2.611e6	2.926e6	0.890	0.89	NO	408.13	408.13
5	158 PCB-200	50.37	50.37	2.512e6	2.778e6	0.890	0.90	NO	412.50	412.50
6	159 PCB-198	51.82	51.81	1.920e6	2.156e6	0.880	0.89	NO	416.48	416.48
7	180 PCB-199	52.06	52.04	1.981e6	2.223e6	0.880	0.90	NO	424.18	424.18
8	181 PCB-196/203	52.36	52.34	4.228e6	4.707e6	0.890	0.90	NO	841.49	841.49



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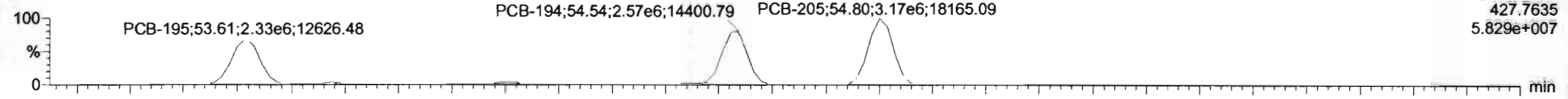
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

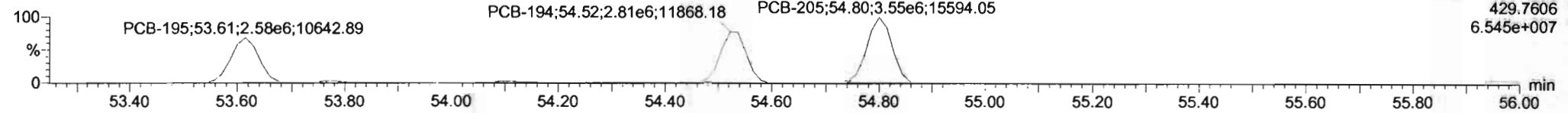
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**PCB-195**

201125K1\_5

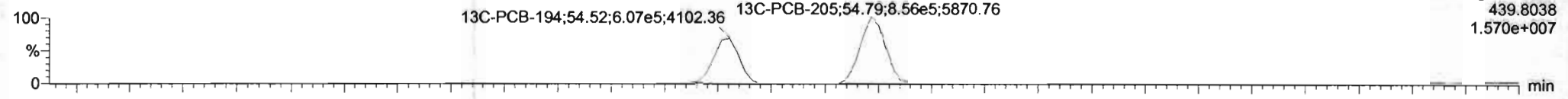


201125K1\_5

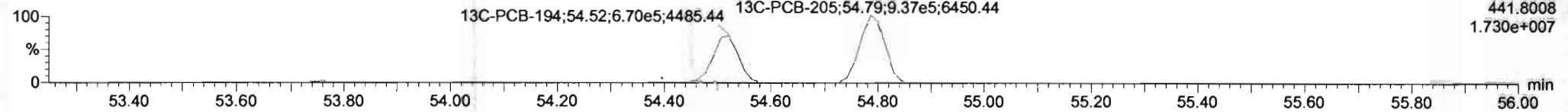


**13C-PCB-194**

201125K1\_5

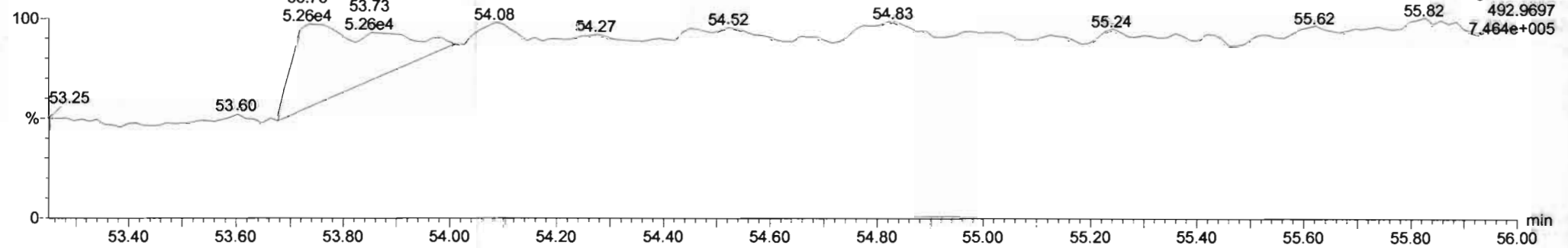


201125K1\_5



**PFK5a**

201125K1\_5





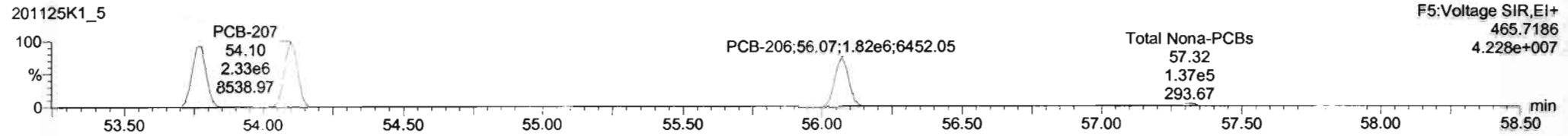
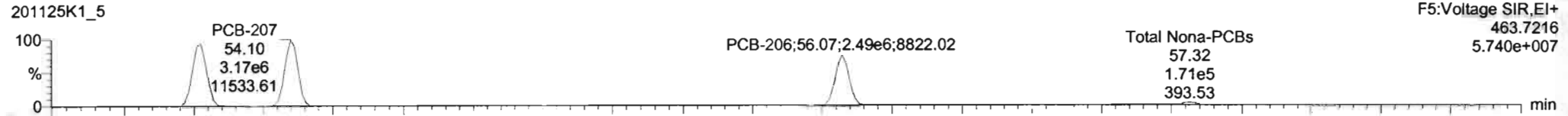
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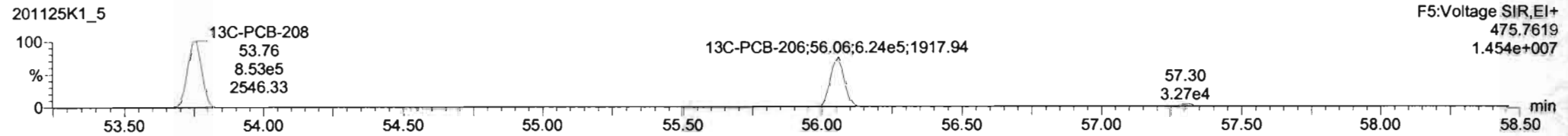
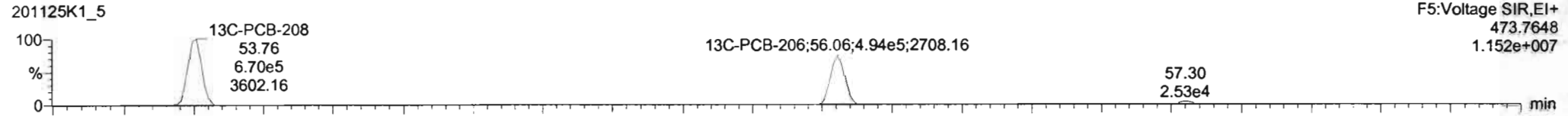
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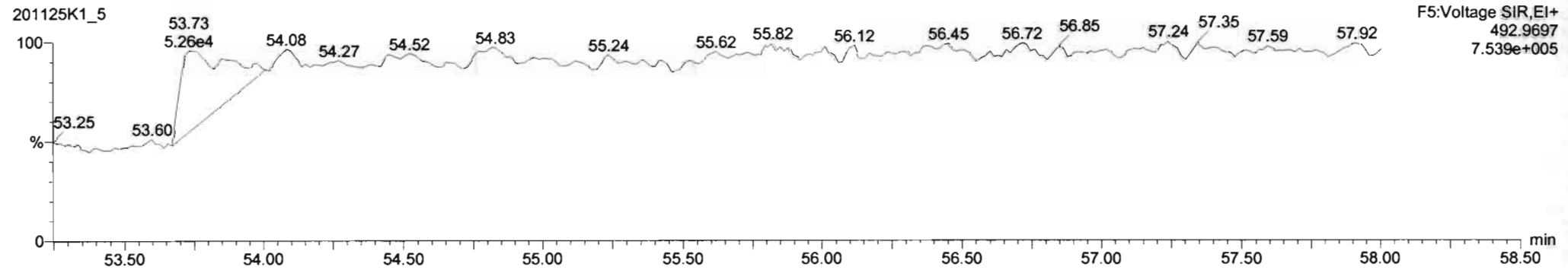
**PCB-208**



**13C-PCB-208**



**PFK5**



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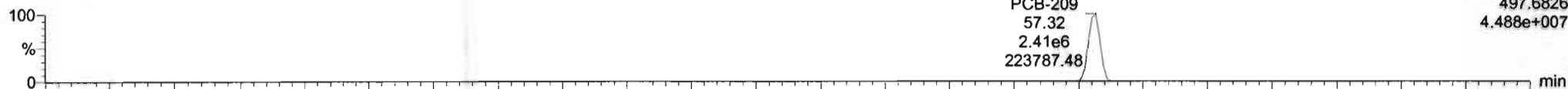
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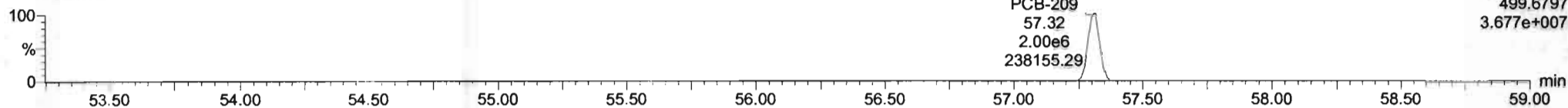
**PCB-209**

201125K1\_5



F5:Voltage SIR,EI+  
497.6826  
4.488e+007

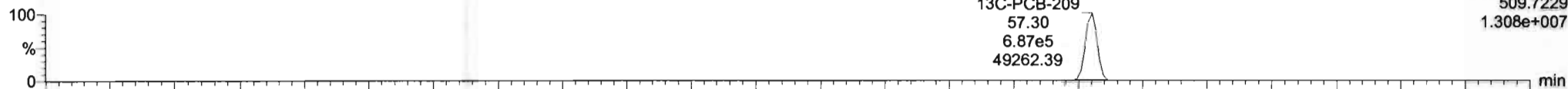
201125K1\_5



F5:Voltage SIR,EI+  
499.6797  
3.677e+007

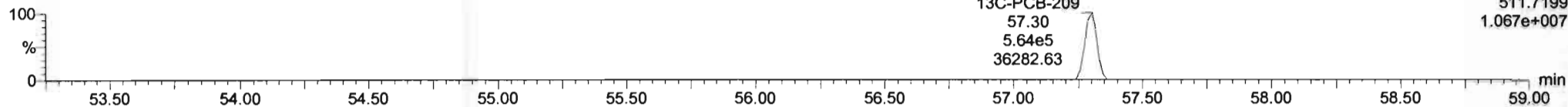
**13C-PCB-209**

201125K1\_5



F5:Voltage SIR,EI+  
509.7229  
1.308e+007

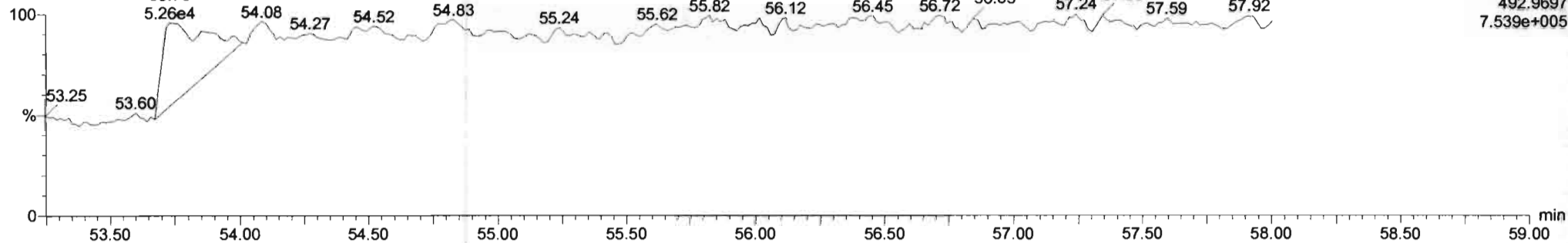
201125K1\_5



F5:Voltage SIR,EI+  
511.7199  
1.067e+007

**PFK5b**

201125K1\_5



F5:Voltage SIR,EI+  
492.9697  
7.539e+005

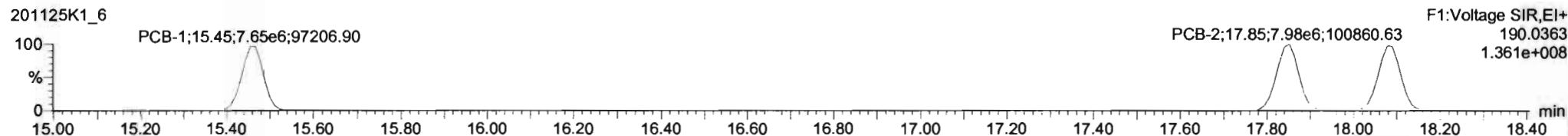
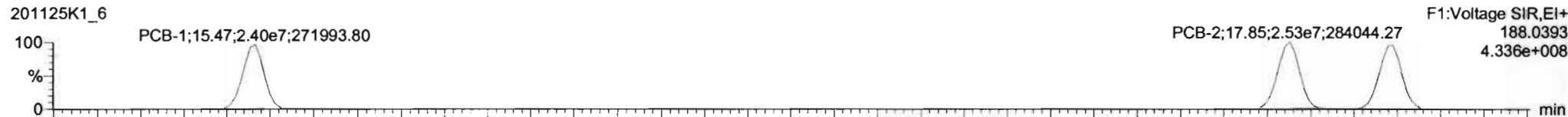
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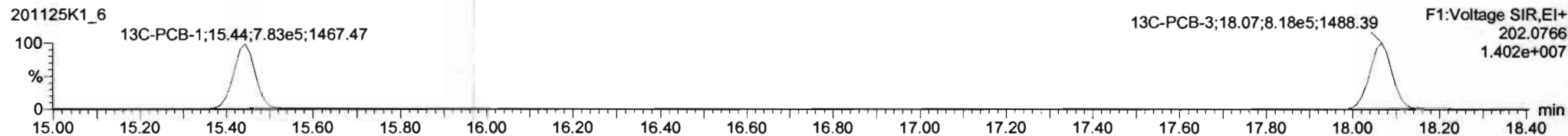
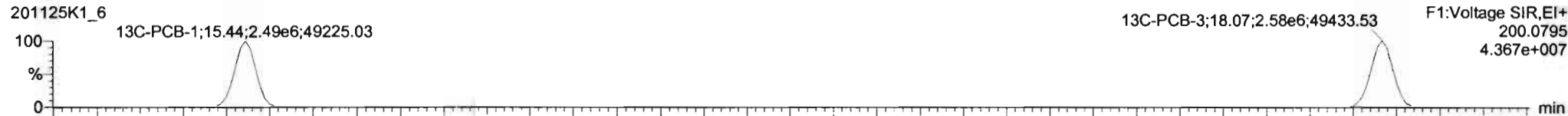
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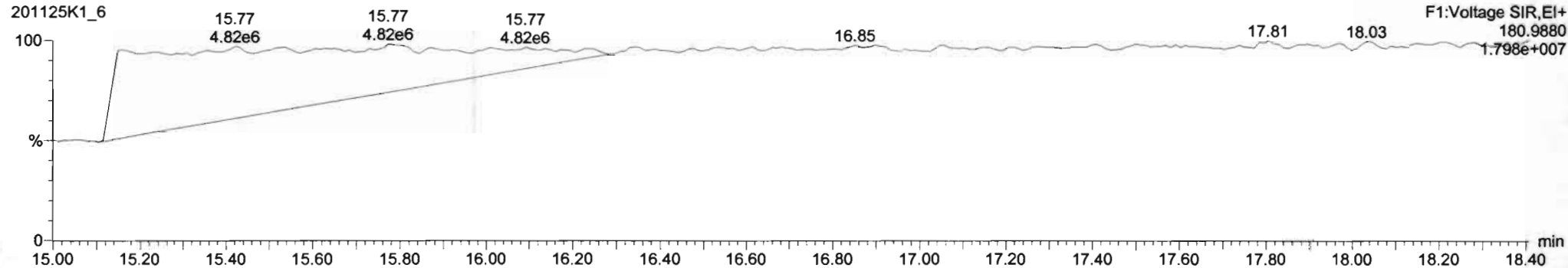
**PCB-1**



**13C-PCB-1**



**PFK1**

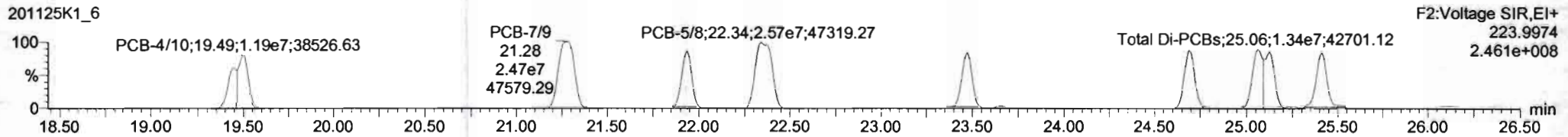
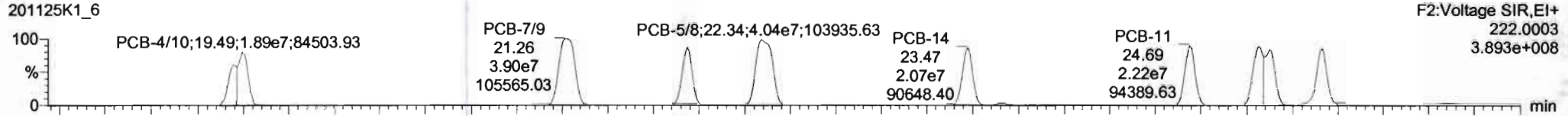


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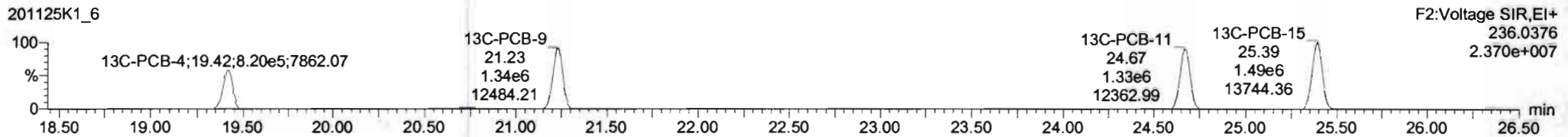
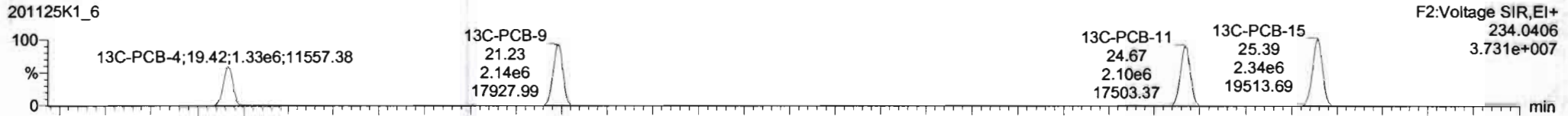
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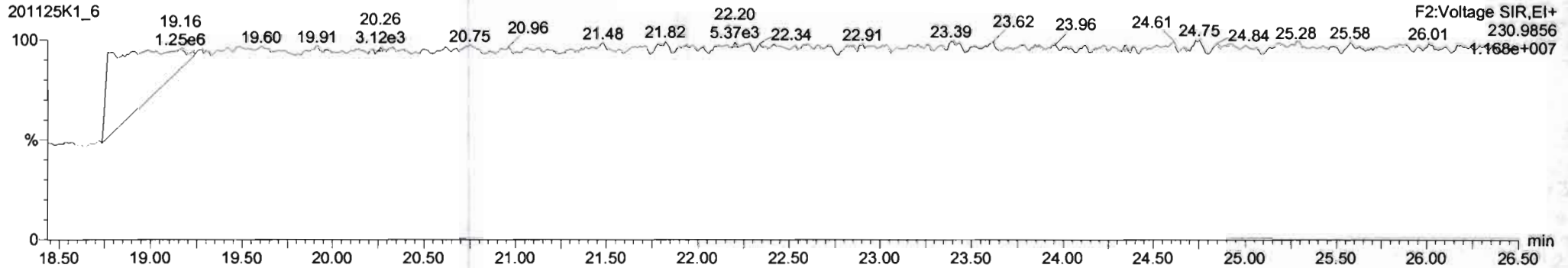
**PCB-4/10**



**13C-PCB-4**

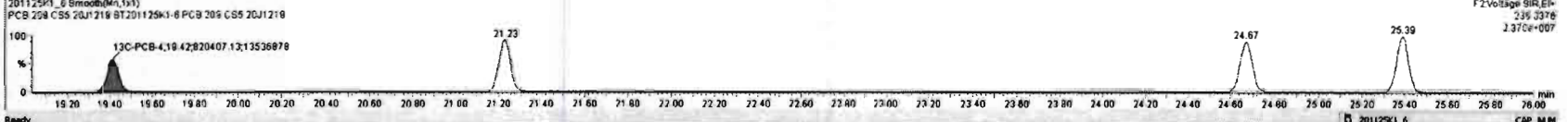
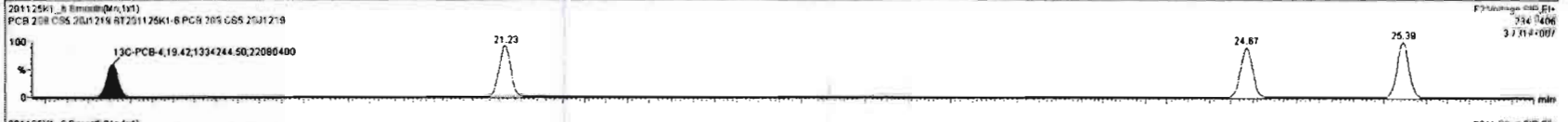
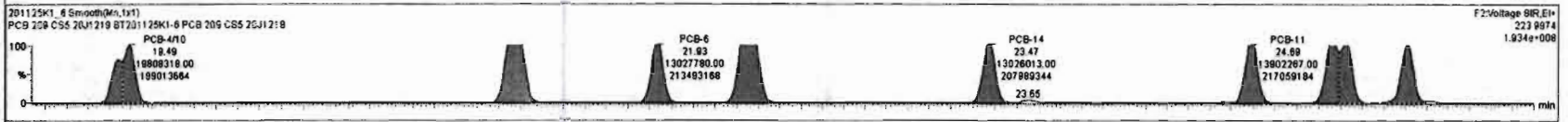
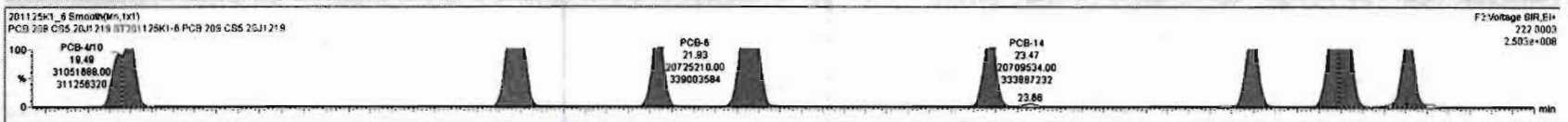


**PFK2a**



#	Name	Resp	RA	nly	RRF	wtAvd	Pred RT	RT	Pred_R	RRT	RRT_Fat	Conc	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2908		0.0290	2908
225	Total Di-PCBs				1.0067	1.000	0.00		0.000		NO	11670		0.283	11670
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698		0.0890	7698
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510		1.30	15510
228	Total Tetra-PCBs				0.9810	1.000	0.00		0.000		NO	41000		1.83	41000
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	38290		1.09	38290
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726		0.236	4726
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13890		0.281	13890

#	Name	Pred RT	RT	ret Resp	m2 Resp	1st Ratio (Pred)	RA	nly	EMPC	Conc.
4	PCB-4/0	19.50	19.49	3.105e7	1.981e7	1.560	1.57	NO	1955.0	1955.0
5	PCB-7/0	21.29	21.26	3.902e7	2.485e7	1.560	1.58	NO	1949.9	1949.9
6	PCB-6	21.84	21.83	2.073e7	1.303e7	1.560	1.58	NO	974.02	974.02
7	PCB-5/8	22.34	22.34	4.037e7	2.574e7	1.560	1.57	NO	1949.1	1949.1
8	PCB-14	23.46	23.47	2.071e7	1.303e7	1.560	1.59	NO	980.81	980.81
9	PCB-11	24.89	24.89	2.217e7	1.390e7	1.560	1.60	NO	942.21	942.21
10	PCB-12/3	25.12	25.05	4.148e7	2.632e7	1.560	1.59	NO	1939.3	1939.3
11	PCB-15	25.40	25.41	2.136e7	1.349e7	1.560	1.58	NO	998.90	998.90

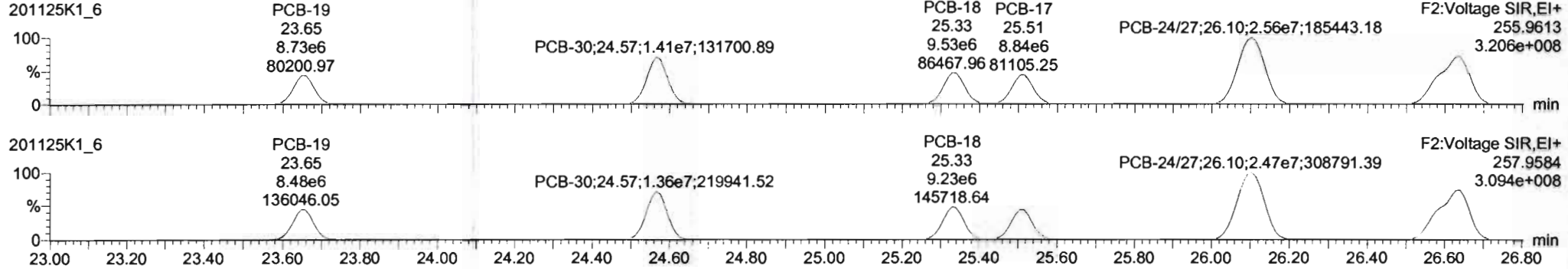


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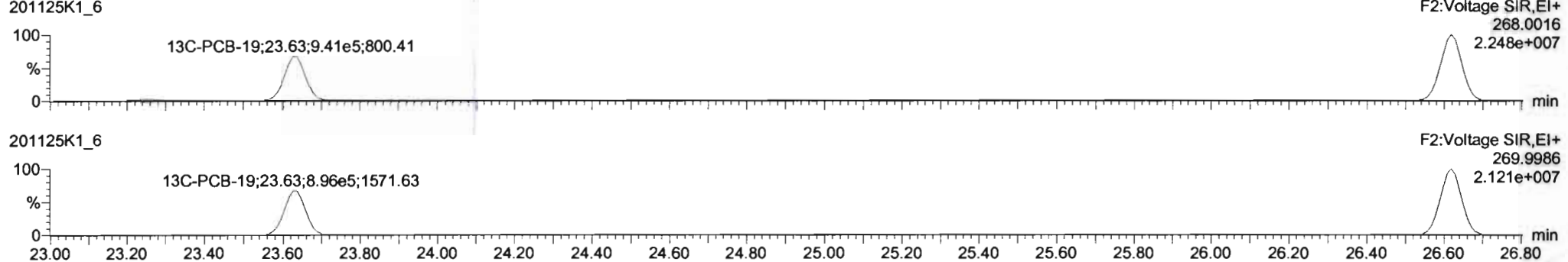
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

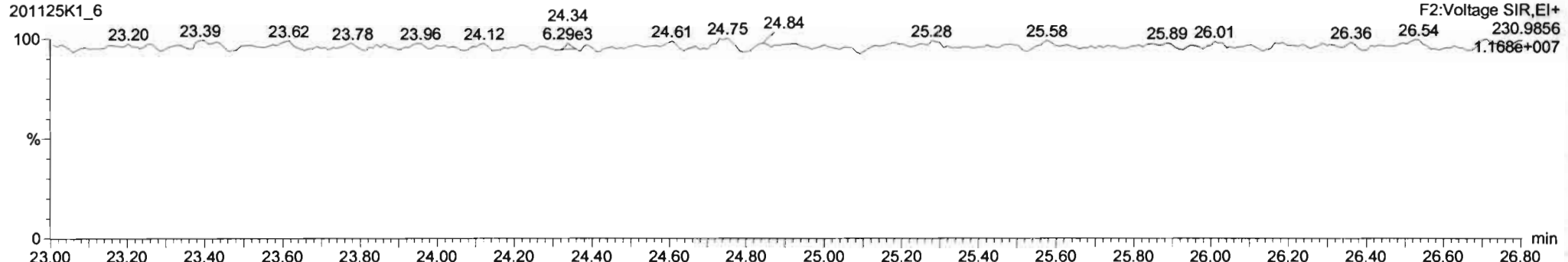
**PCB-19**



**13C-PCB-19**



**PFK2b**

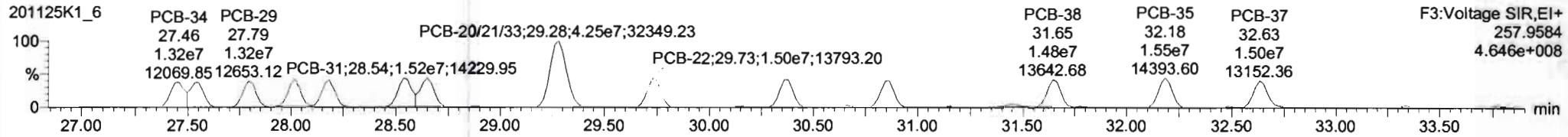
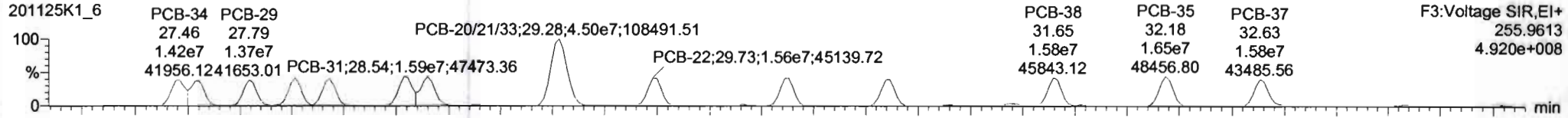


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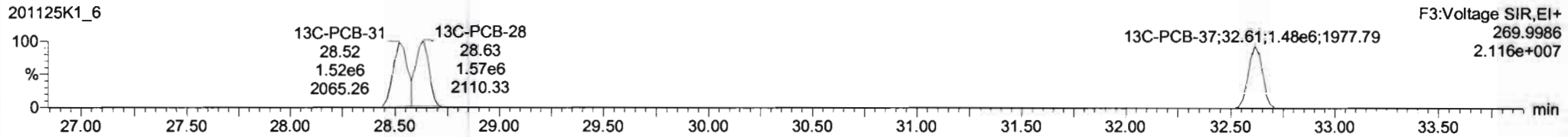
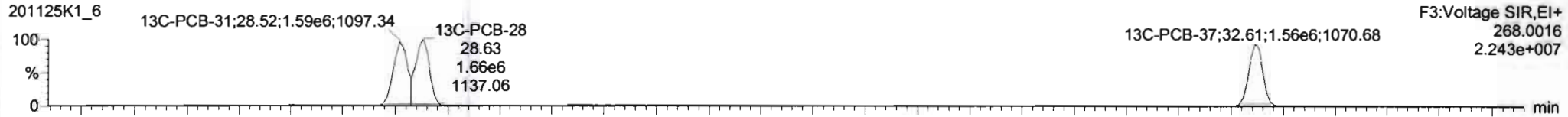
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Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

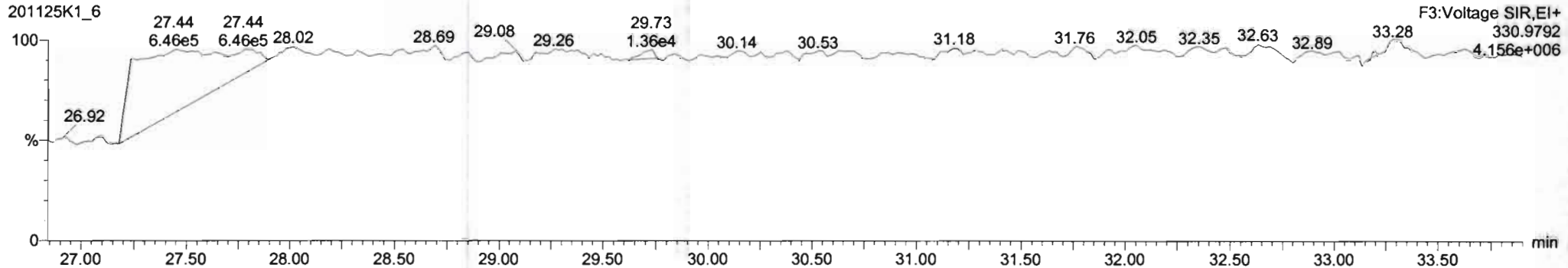
**PCB-34**

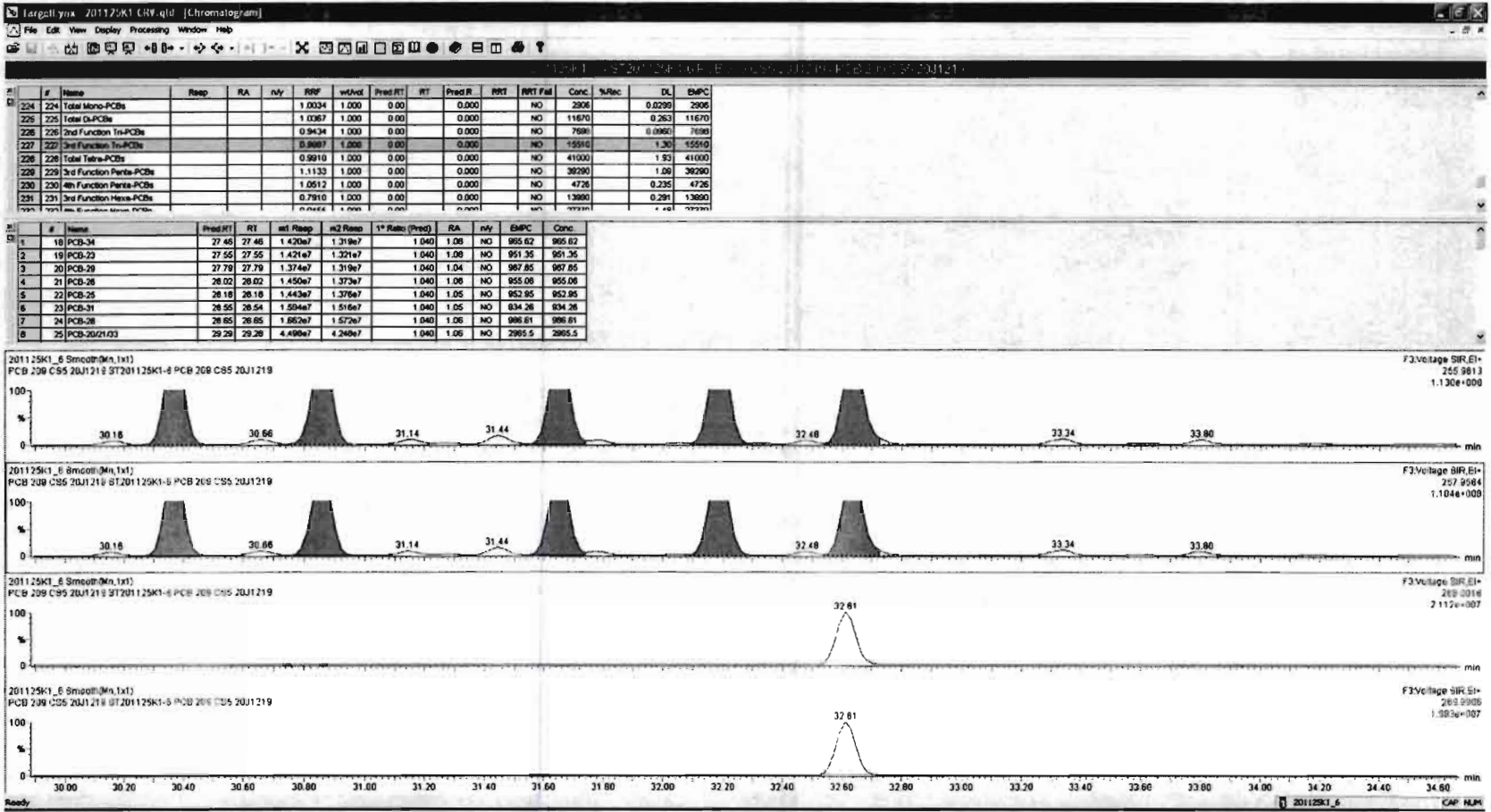


**13C-PCB-28**



**PFK3d**







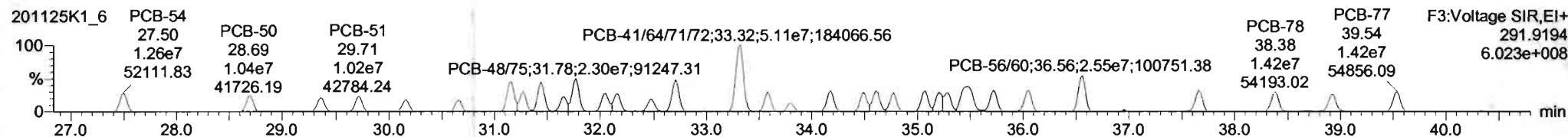
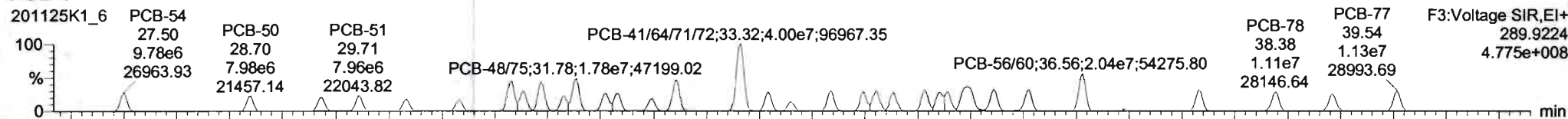
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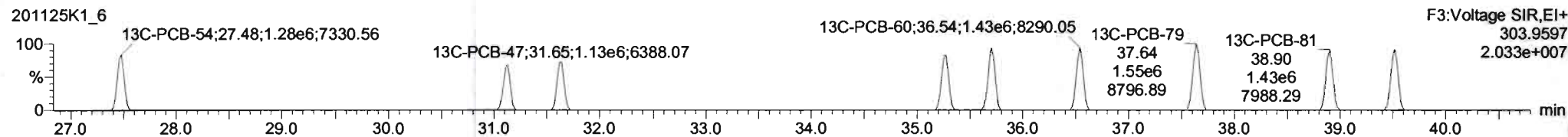
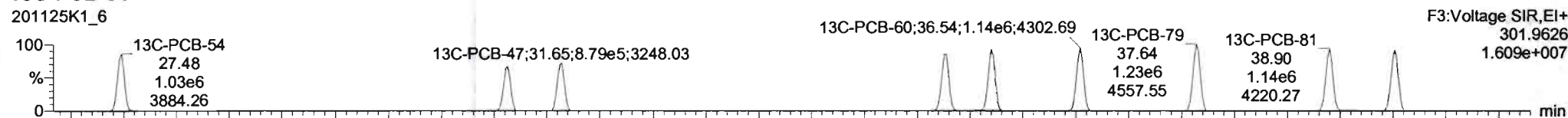
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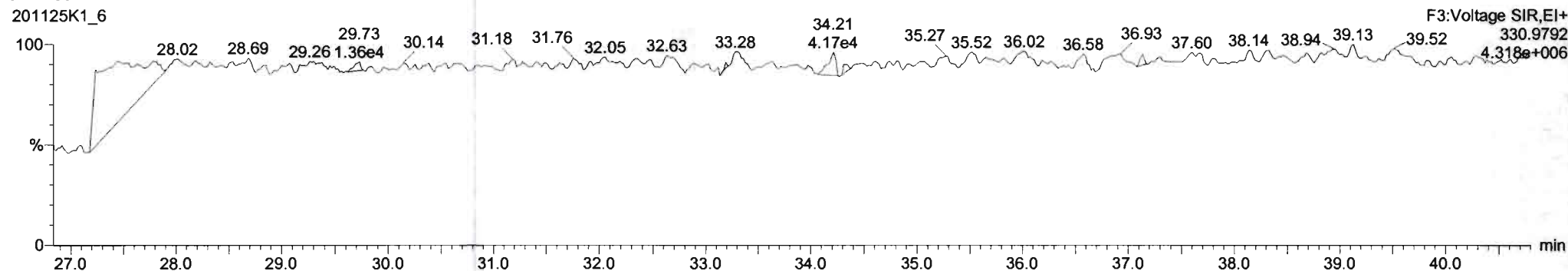
**PCB-54**



**13C-PCB-54**



**PFK3a**



Dataset: Untitled

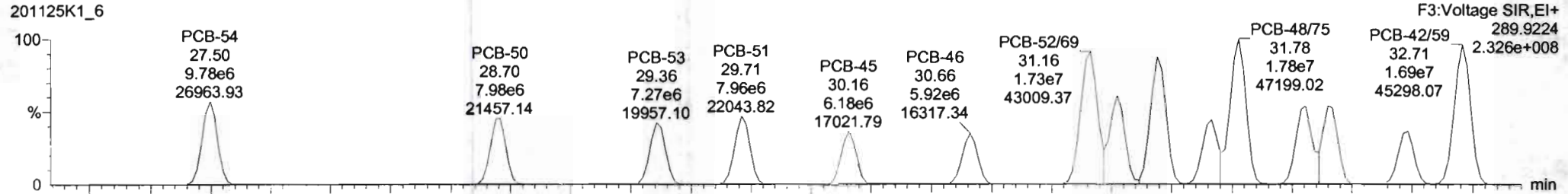
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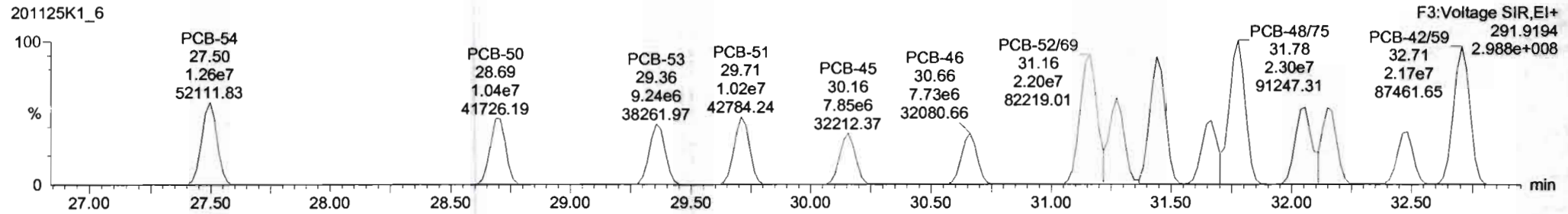
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PCB-50

201125K1\_6

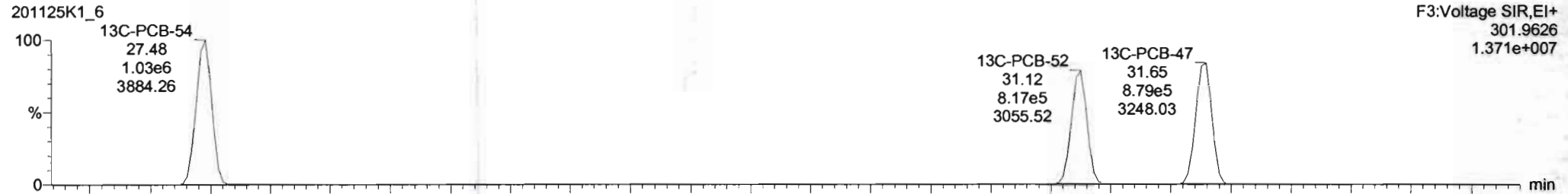


201125K1\_6

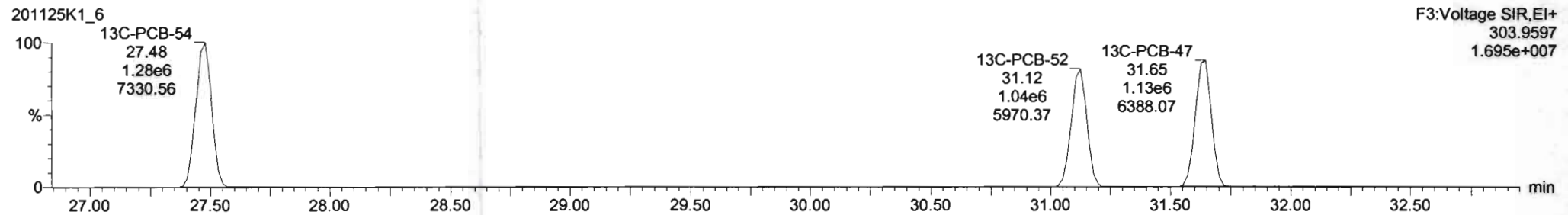


13C-PCB-52

201125K1\_6



201125K1\_6



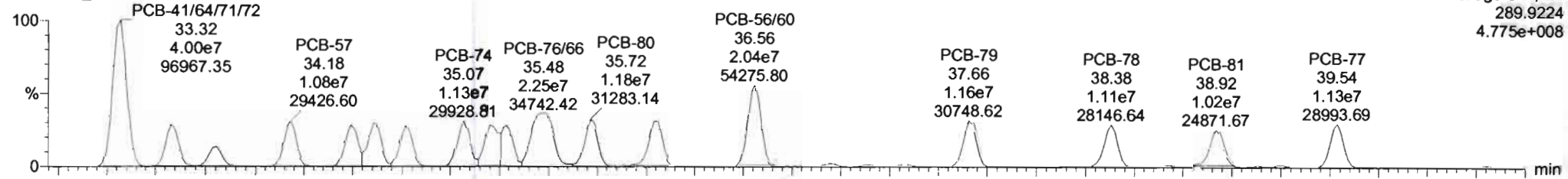
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Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

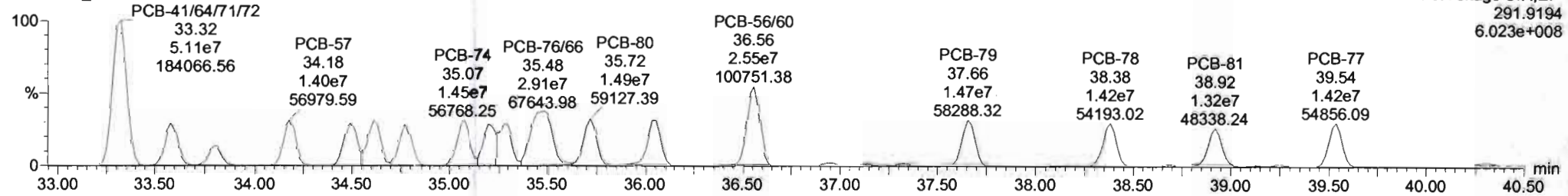
PCB-68

201125K1\_6



F3:Voltage SIR,EI+  
289.9224  
4.775e+008

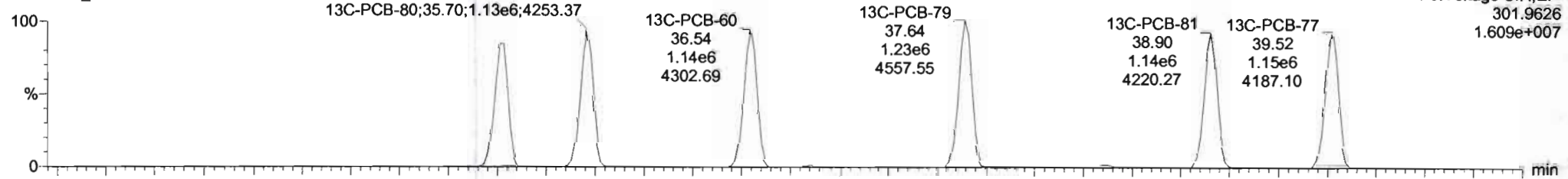
201125K1\_6



F3:Voltage SIR,EI+  
291.9194  
6.023e+008

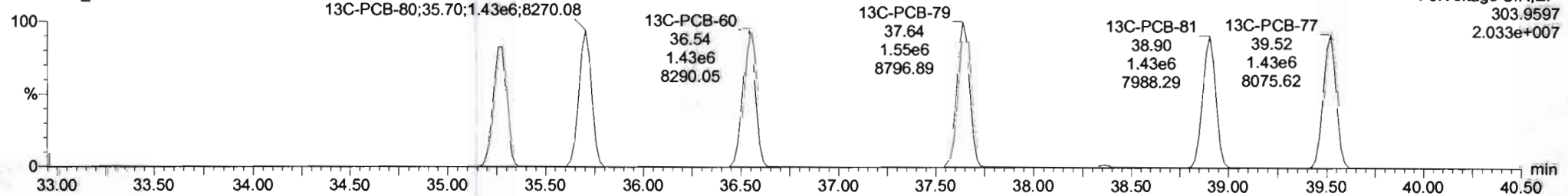
13C-PCB-60

201125K1\_6



F3:Voltage SIR,EI+  
301.9626  
1.609e+007

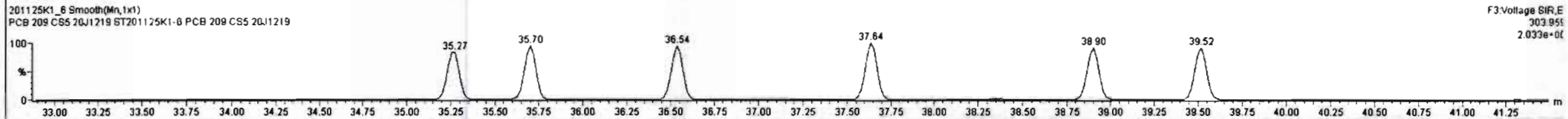
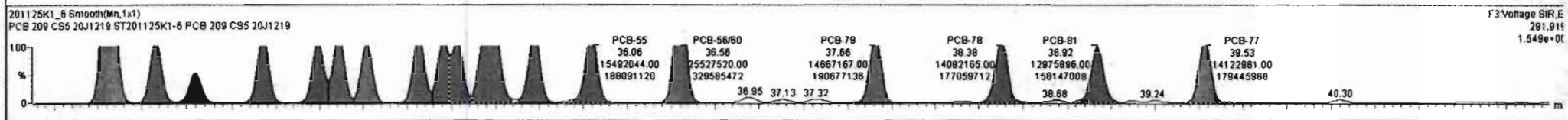
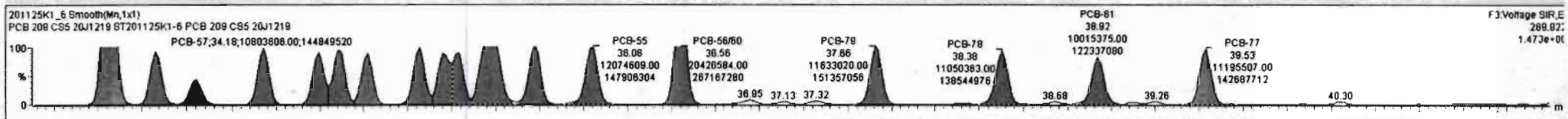
201125K1\_6



F3:Voltage SIR,EI+  
303.9597  
2.033e+007

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	RRT Fail	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2906		0.0299	2906
225	Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11670		0.263	11670
226	2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698		0.0960	7698
227	3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510		1.30	15510
228	Total Tetra-PCBs				0.9810	1.000	0.00		0.000		NO	41000		1.93	41000
229	3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	39290		1.09	39290
230	4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726		0.235	4726
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13990		0.291	13990

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	1* Ratio (Pred)	RA	n/y	EMPC	Conc.
32	PCB-54	27.50	27.50	9.781e6	1.262e7	0.770	0.77	NO	993.80	993.80
33	PCB-50	28.70	28.70	7.979e6	1.036e7	0.770	0.77	NO	987.59	987.59
34	PCB-53	29.38	29.38	7.271e6	9.240e6	0.770	0.79	NO	948.80	948.81
35	PCB-51	29.71	29.71	7.955e6	1.021e7	0.770	0.78	NO	978.43	978.43
36	PCB-45	30.17	30.18	6.183e6	7.849e6	0.770	0.79	NO	941.49	941.49
37	PCB-46	30.86	30.86	5.924e6	7.734e6	0.770	0.77	NO	954.58	954.58
38	PCB-52/69	31.18	31.18	1.728e7	2.204e7	0.770	0.78	NO	1956.5	1956.5
39	PCB-73	31.27	31.27	1.069e7	1.352e7	0.770	0.79	NO	997.95	997.95

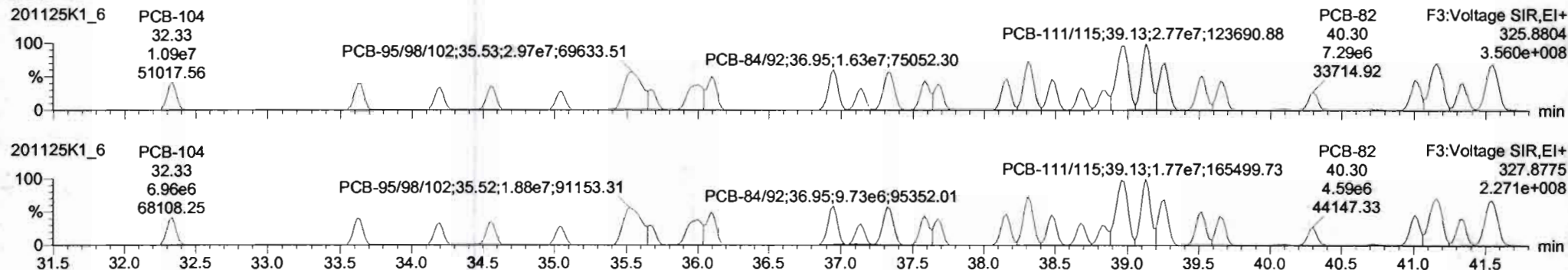


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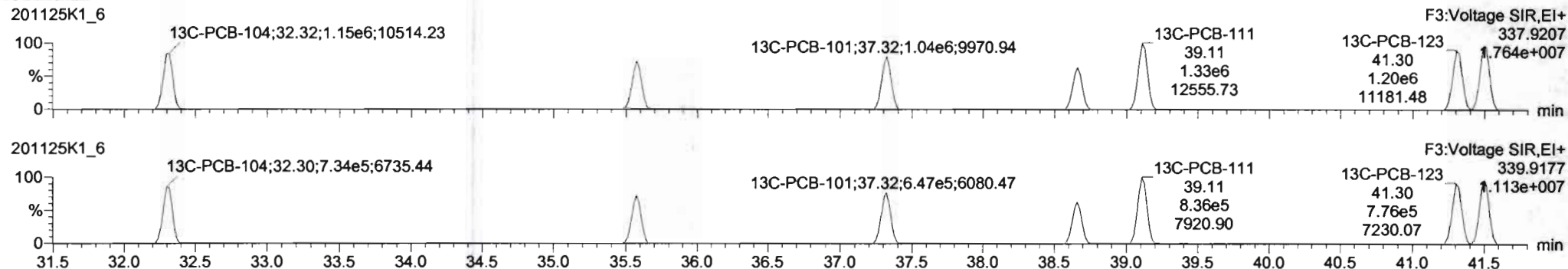
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

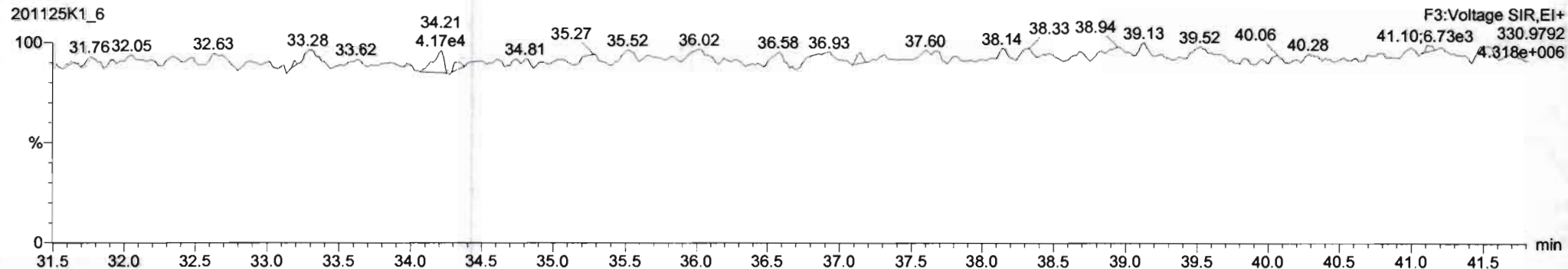
**PCB-104**



**13C-PCB-104**



**PFK3b**

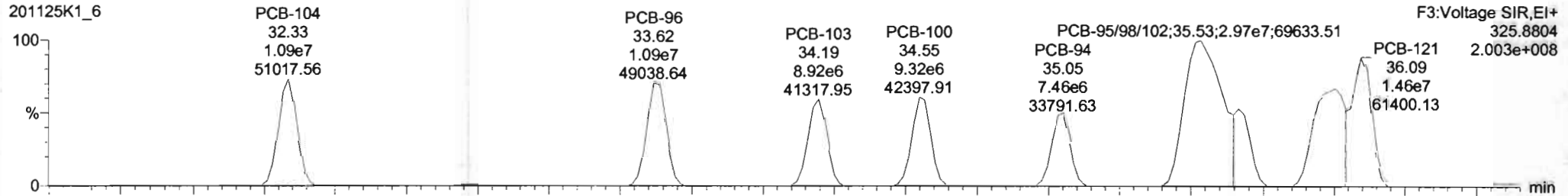


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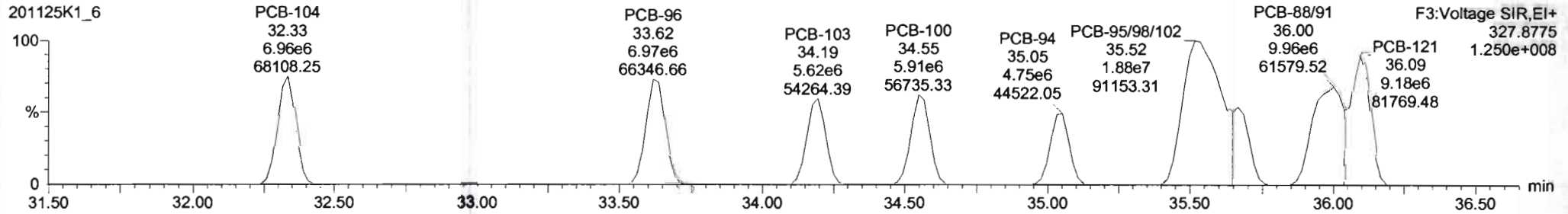
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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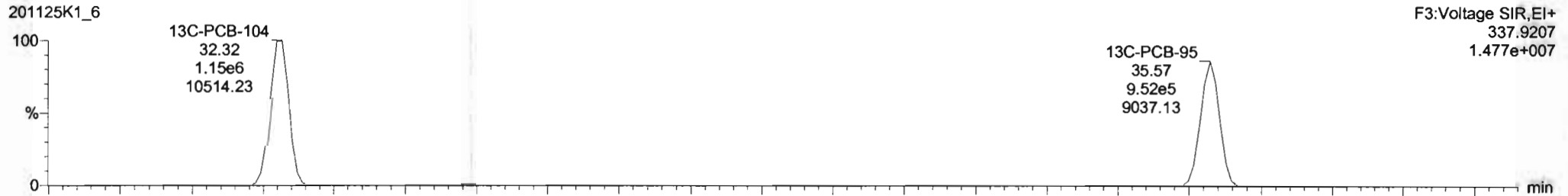
**PCB-96**



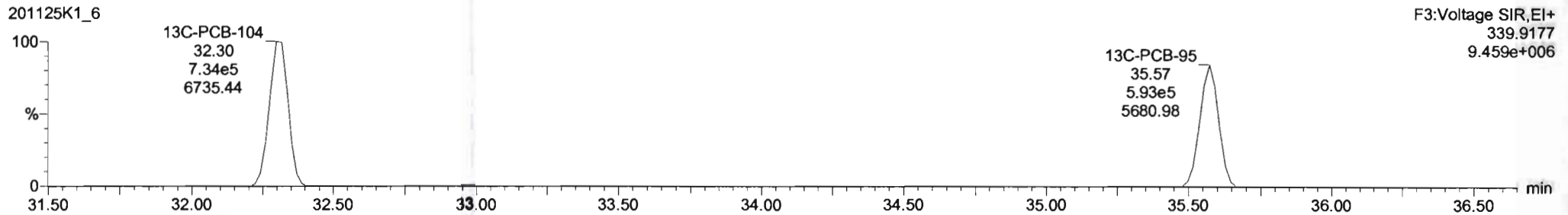
201125K1\_6



**13C-PCB-95**



201125K1\_6



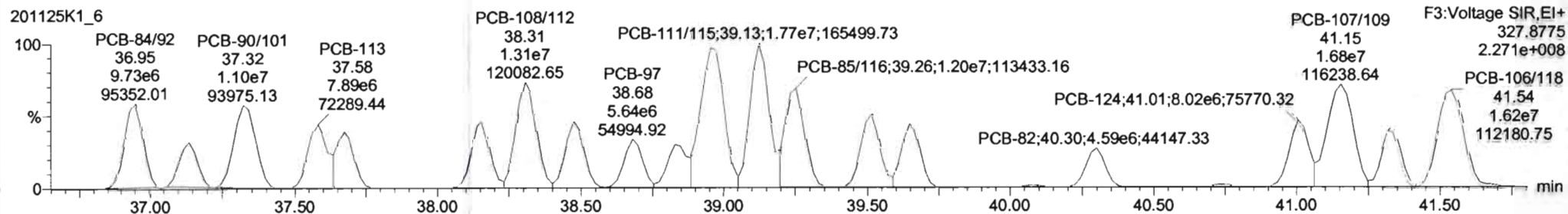
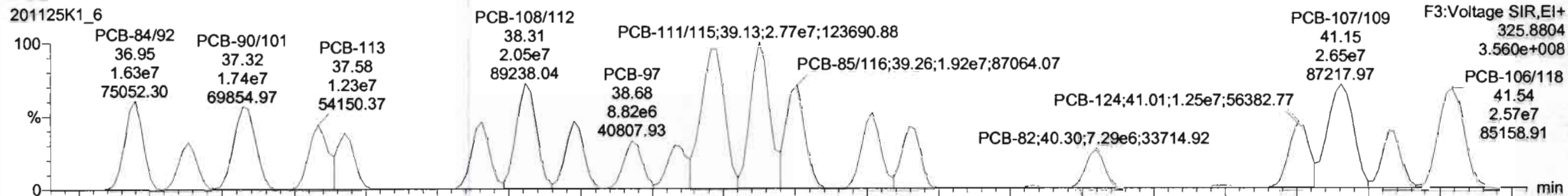
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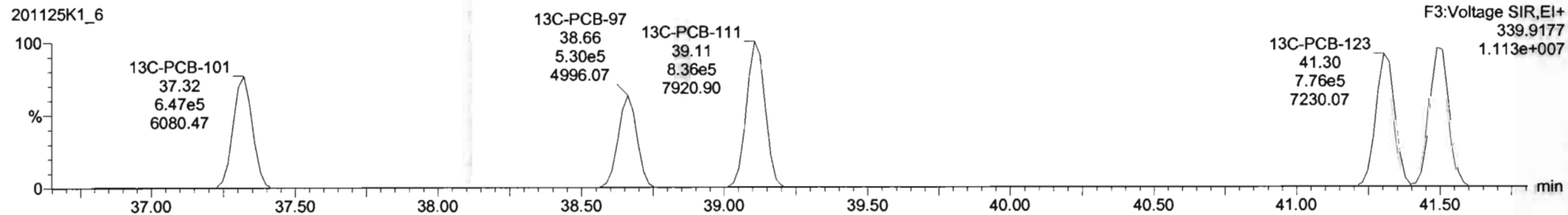
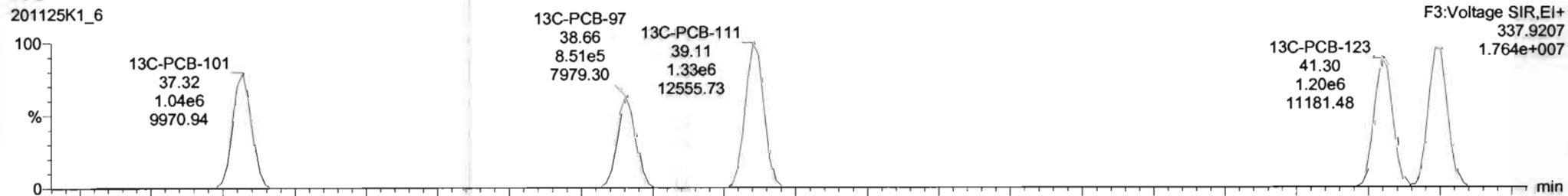
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PCB-119

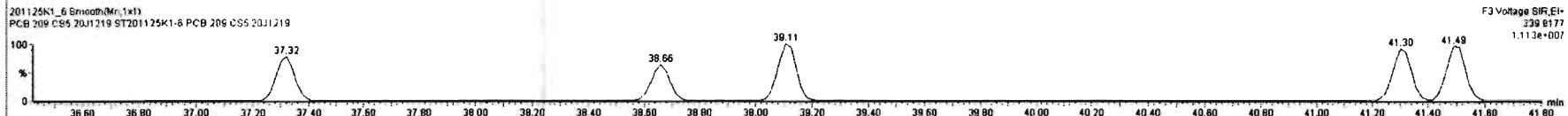
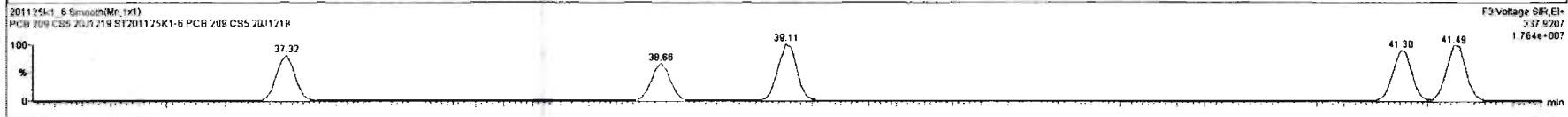
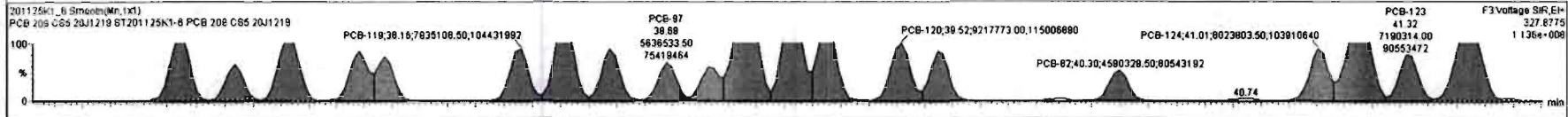
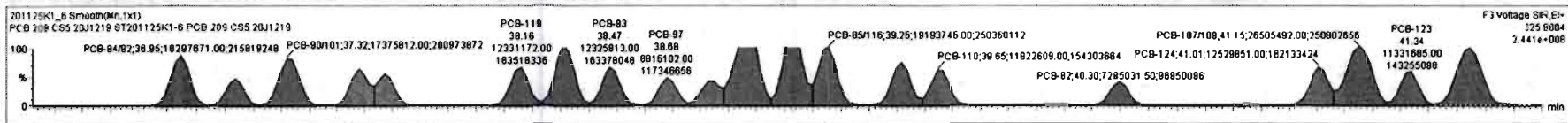


13C-PCB-111



#	Name	Resp	RA	nly	RRF	wtWet	Pred.RT	RT	Pred.R	RRT	RRT.Fall	Conc.	%Rec	DL	EMPC
224	Total Mono-PCBs				1.0034	1.000	0.00	0.000	0.000		NO	2908	0.0298	2906	
225	Total Di-PCBs				1.0367	1.000	0.00	0.000	0.000		NO	11670	0.263	11670	
226	2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000	0.000		NO	7698	0.0960	7698	
227	3rd Function Tri-PCBs				0.9687	1.000	0.00	0.000	0.000		NO	15510	1.30	15510	
228	Total Tetra-PCBs				0.9910	1.000	0.00	0.000	0.000		NO	41000	1.83	41000	
229	3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000	0.000		NO	30290	1.00	30290	
230	4th Function Penta-PCBs				1.0512	1.000	0.00	0.000	0.000		NO	4726	0.235	4726	
231	3rd Function Hexa-PCBs				0.7910	1.000	0.00	0.000	0.000		NO	13980	0.291	13980	

#	Name	Pred.RT	RT	m1 Resp	m2 Resp	* Ratio (Pred)	RA	nly	EMPC	Conc.
1	64 PCB-104	32.33	32.33	1.094e7	8.955e6	1.560	1.57	NO	965.79	965.79
2	65 PCB-96	33.63	33.62	1.094e7	8.957e6	1.560	1.57	NO	964.99	964.99
3	66 PCB-103	34.19	34.19	8.918e6	5.622e6	1.560	1.58	NO	1000.5	1000.5
4	67 PCB-100	34.56	34.55	9.322e6	5.906e6	1.560	1.58	NO	1002.1	1002.1
5	68 PCB-94	35.05	35.05	7.462e6	4.750e6	1.560	1.57	NO	951.83	951.83
6	69 PCB-85/96/102	35.52	35.53	2.970e7	1.877e7	1.560	1.58	NO	2930.6	2930.6
7	70 PCB-83	35.87	35.87	6.674e6	4.149e6	1.590	1.81	NO	820.18	820.19
8	71 PCB-86/91	36.00	36.00	1.590e7	9.957e6	1.590	1.57	NO	1817.4	1817.4



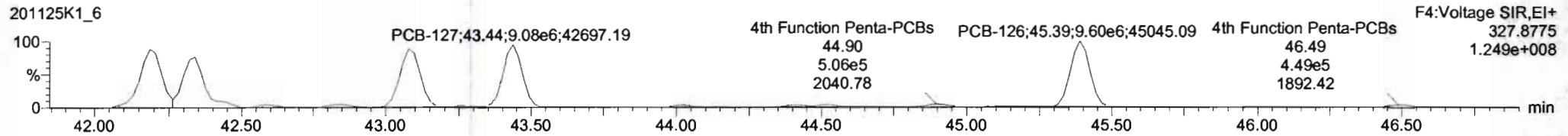
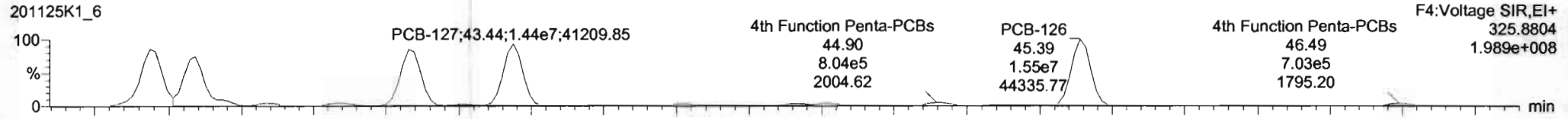


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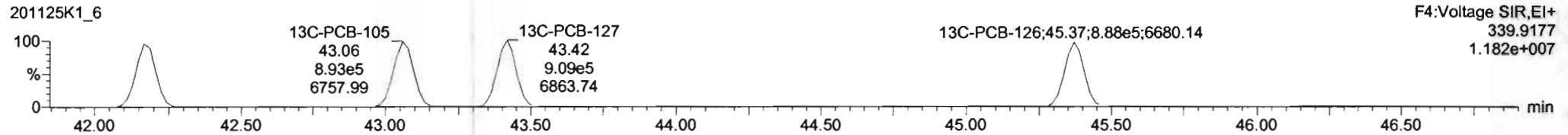
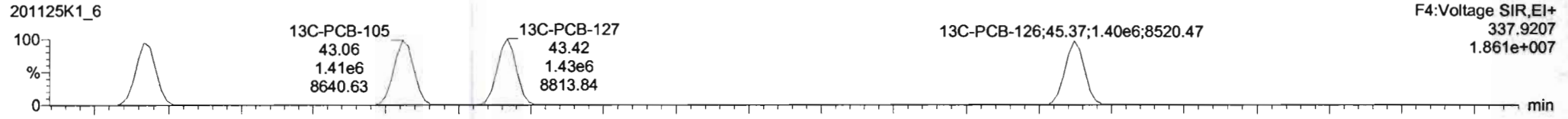
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

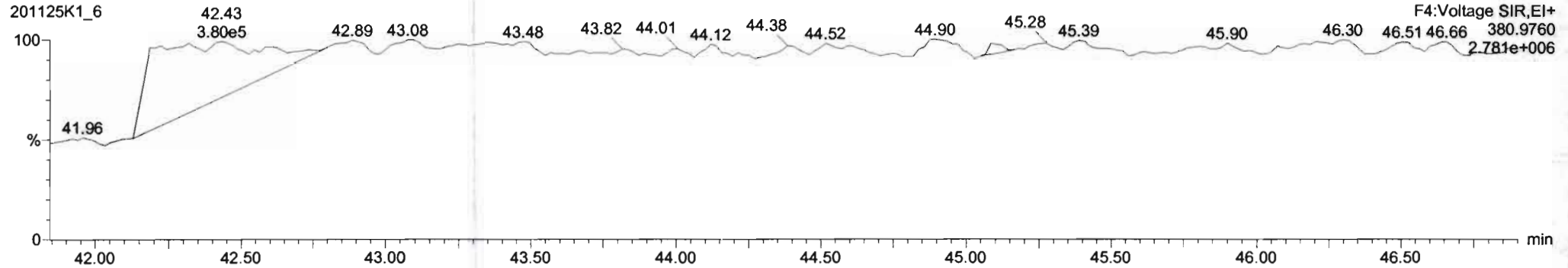
**PCB-114**



**13C-PCB-114**



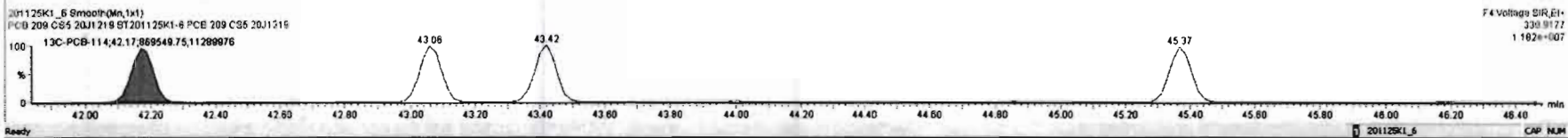
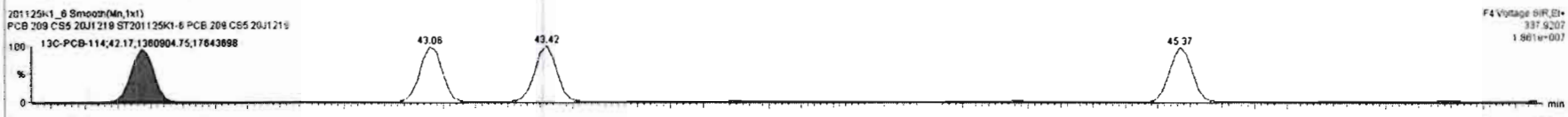
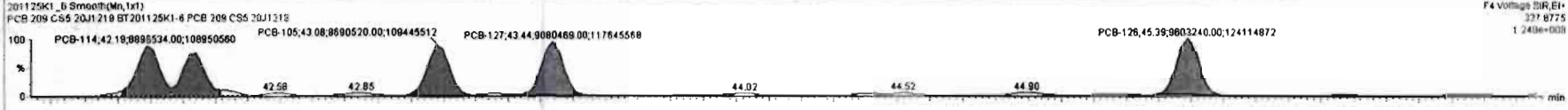
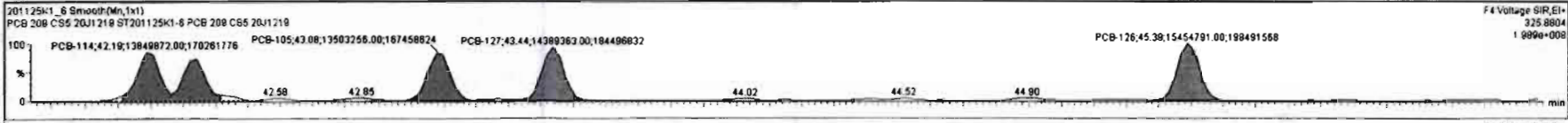
**PFK4a**



201125K1\_6 ST201125K1-6 PCB 208 CS5 20J1219

#	Name	Resp	RA	n/y	RR	wt/Vol	Pred RT	RT	Pred R	RRT	RRT Fail	Conc	%Rec	D <sub>L</sub>	EMPC
224	224 Total Mono-PCBs				1.0034	1.000	0.00		0.000		NO	2906		0.0299	2906
225	225 Total Di-PCBs				1.0067	1.000	0.00		0.000		NO	11670		0.263	11670
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698		0.0960	7698
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510		1.30	15510
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	41000		1.93	41000
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	39290		1.09	39290
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726		0.236	4726
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13990		0.291	13990

#	Name	Pred RT	RT	m1 Resp	m2 Resp	1 <sup>st</sup> Ratio (Pred)	RA	n/y	EMPC	Cruc
1	93 PCB-114	42.19	42.19	1.365e7	8.807e6	1.560	1.56	NO	940.84	940.84
2	94 PCB-122	42.34	42.34	1.190e7	7.609e6	1.560	1.56	NO	947.76	947.76
3	95 PCB-105	43.08	43.08	1.350e7	8.691e6	1.550	1.55	NO	932.52	932.52
4	96 PCB-127	43.44	43.44	1.439e7	9.000e6	1.560	1.56	NO	951.49	951.49
5	97 PCB-126	45.39	45.39	1.545e7	9.603e6	1.560	1.61	NO	952.93	952.93



Dataset: Untitled

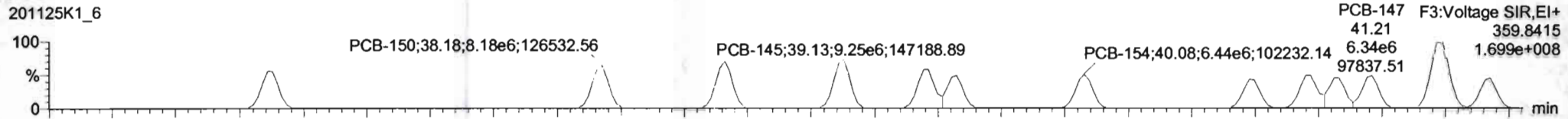
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

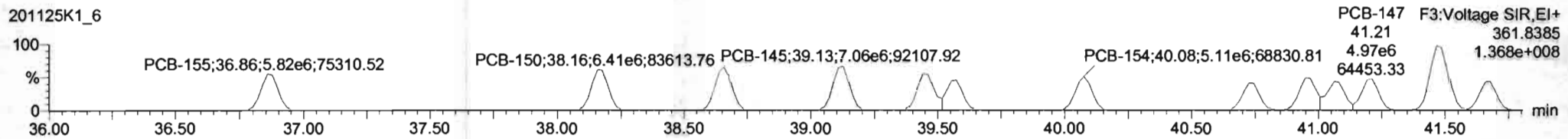
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**PCB-155**

201125K1\_6

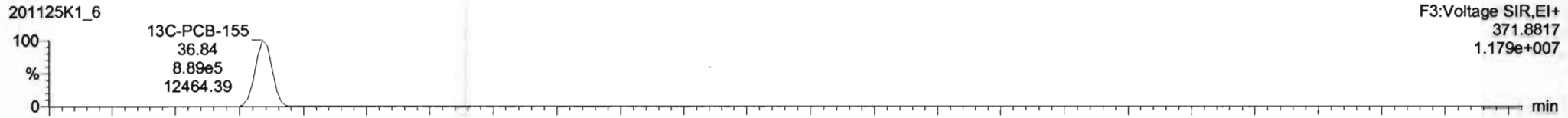


201125K1\_6

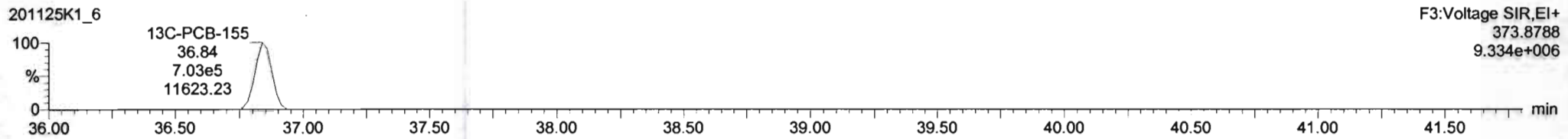


**13C-PCB-155**

201125K1\_6

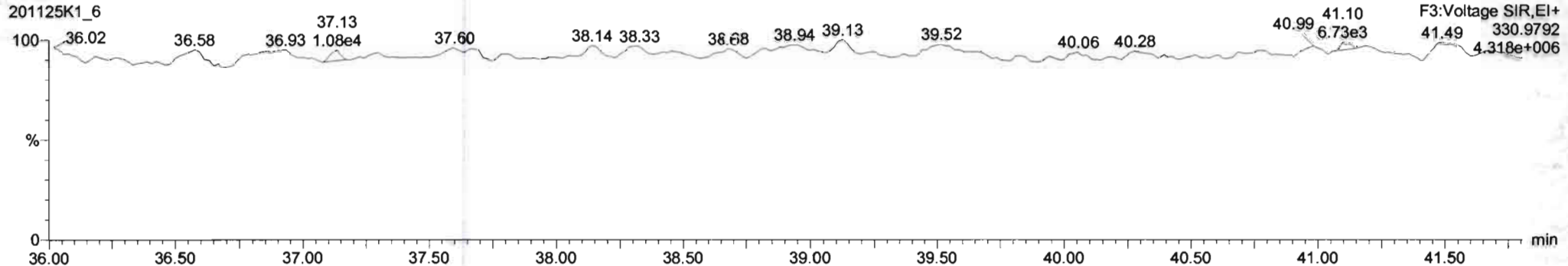


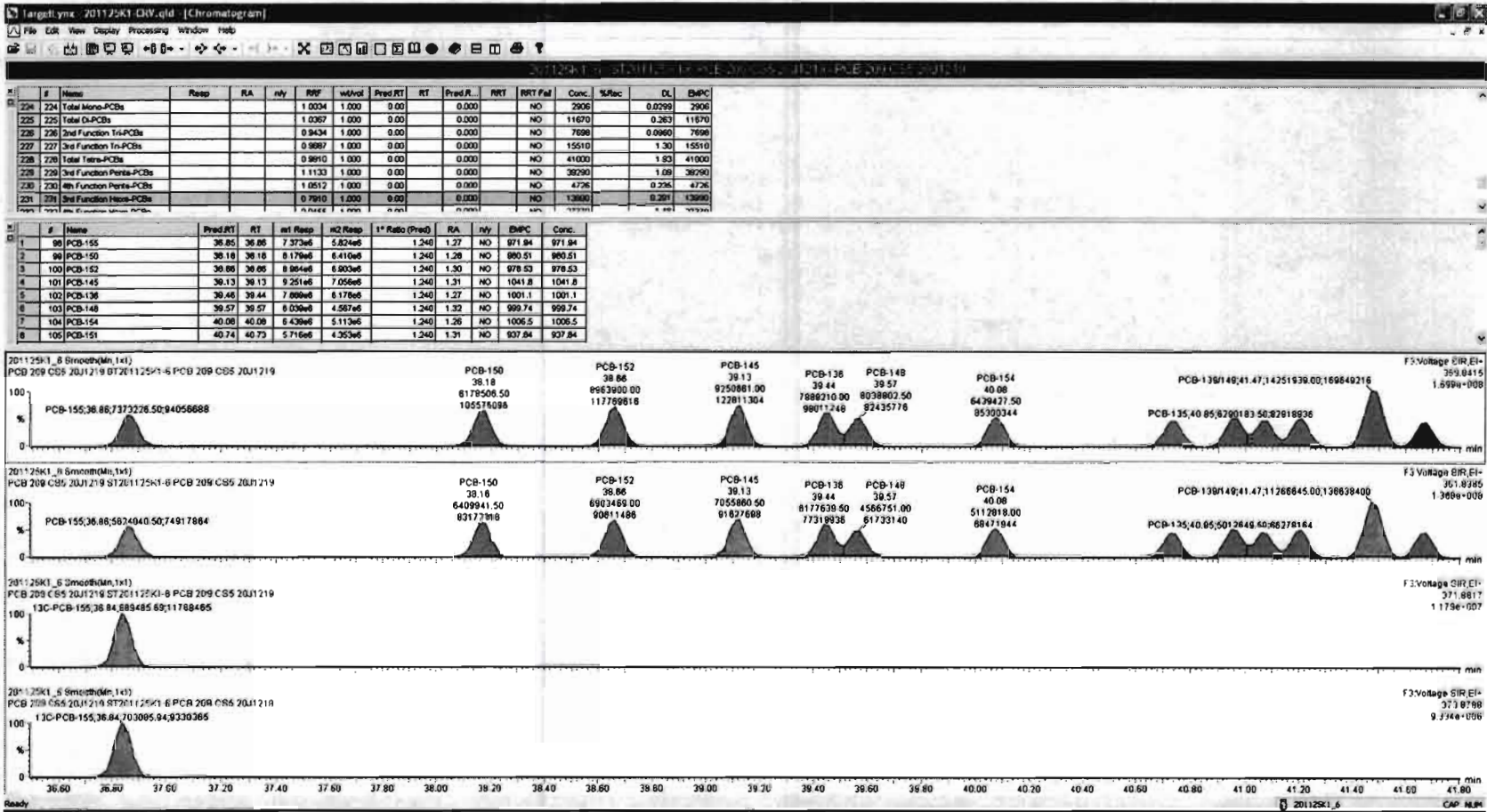
201125K1\_6



**PFK3c**

201125K1\_6



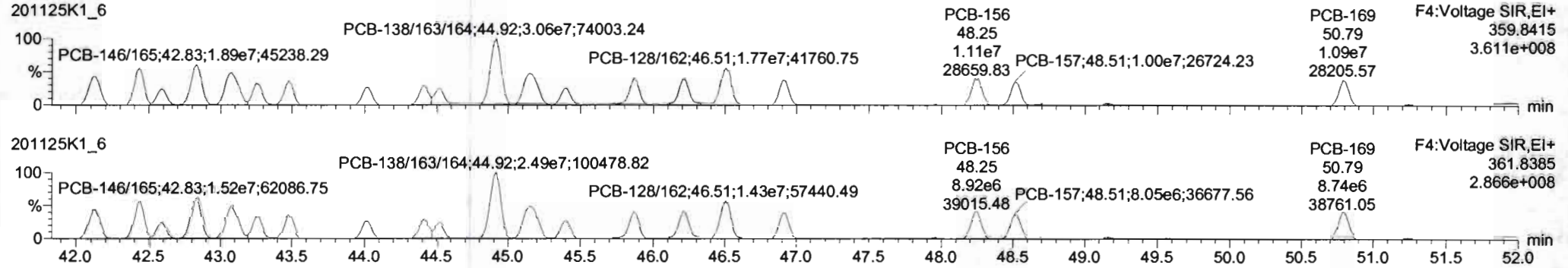


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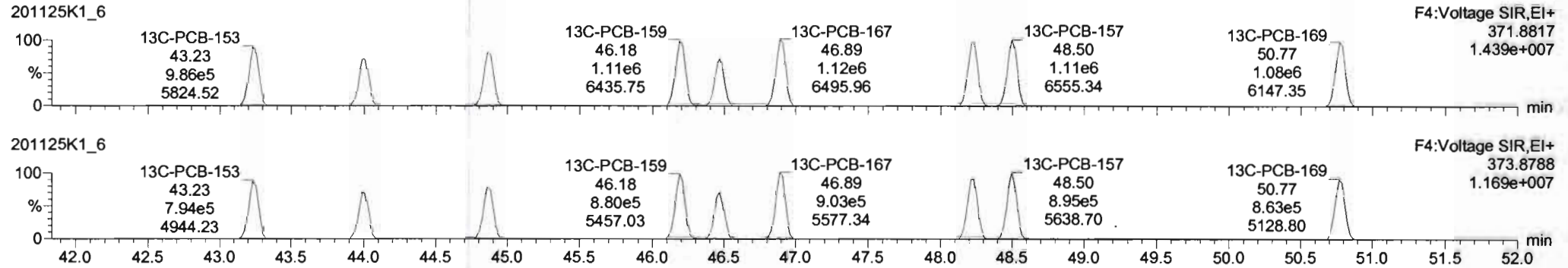
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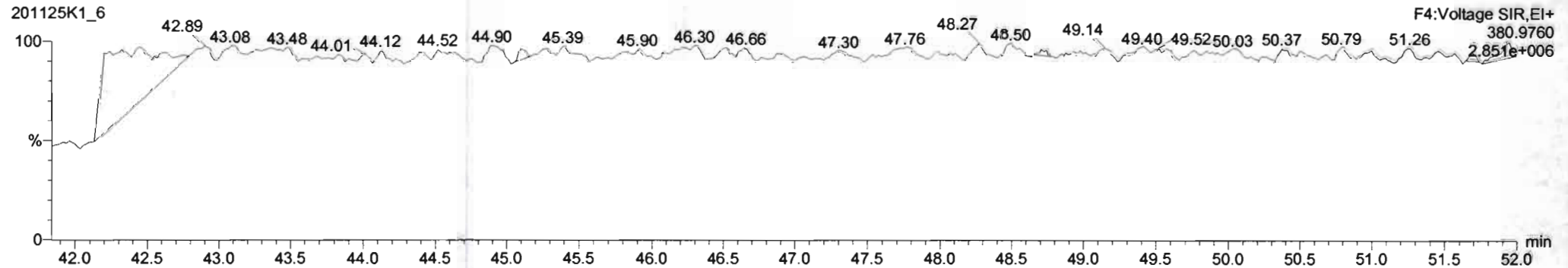
**PCB-134/143**



**13C-PCB-153**

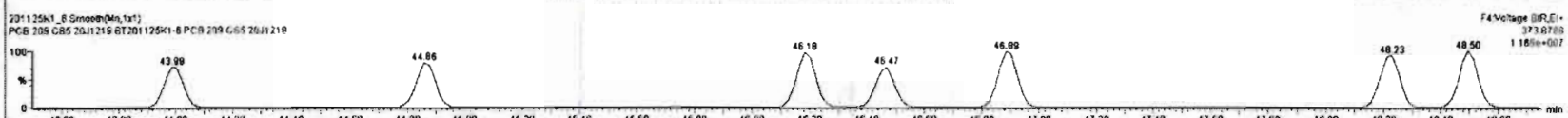
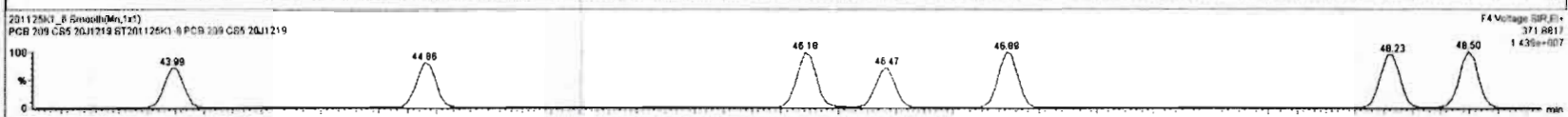
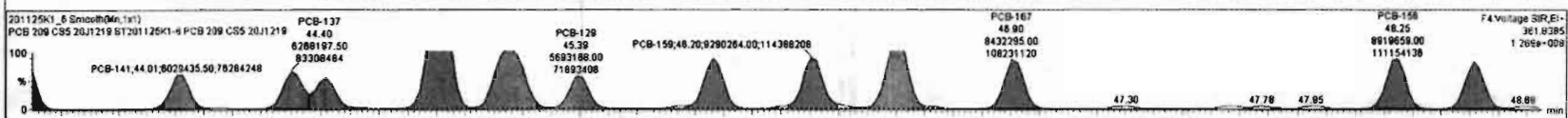
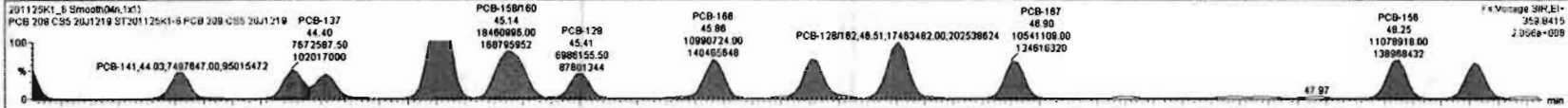


**PFK4b**



#	Name	Resp	RA	n/y	RF	wt/dwt	Pred.RT	RT	Pred.R.	RTT	RTT Fat	Conc	%Rec	DL	EMPC
224	224 Total Mono-PCBs				1.0074	1.000	0.00		0.000		NO	7908		0.0299	2905
225	225 Total Di-PCBs				1.0367	1.000	0.00		0.000		NO	11870		0.263	11870
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00		0.000		NO	7698		0.0900	7698
227	227 3rd Function Tri-PCBs				0.9687	1.000	0.00		0.000		NO	15510		1.30	15510
228	228 Total Tetra-PCBs				0.9910	1.000	0.00		0.000		NO	41000		1.80	41000
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00		0.000		NO	36290		1.09	36290
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00		0.000		NO	4726		0.236	4726
231	231 3rd Function Hexa-PCBs				0.7910	1.000	0.00		0.000		NO	13990		0.291	13990

#	Name	Pred.RT	RT	wt Resp	wt2 Resp	1st Ratio (Pred)	RA	n/y	EMPC	Conc.
1	111 PCB-134/43	42.13	42.13	1.410e7	1.136e7	1.240	1.24	NO	1984.5	1984.5
2	112 PCB-121/33	42.43	42.43	1.539e7	1.232e7	1.240	1.25	NO	2026.7	2026.7
3	113 PCB-142	42.58	42.58	6.786e6	5.372e6	1.240	1.26	NO	953.91	953.91
4	114 PCB-146/85	42.83	42.83	1.890e7	1.517e7	1.240	1.25	NO	2028.1	2028.1
5	115 PCB-132/61	43.08	43.08	1.883e7	1.498e7	1.240	1.26	NO	1984.5	1984.5
6	116 PCB-153	43.27	43.25	9.208e6	7.335e6	1.240	1.28	NO	829.21	829.21
7	117 PCB-169	43.47	43.47	9.752e6	7.916e6	1.240	1.25	NO	953.44	953.44
8	118 PCB-141	44.01	44.03	7.498e6	6.029e6	1.240	1.24	NO	972.30	972.31



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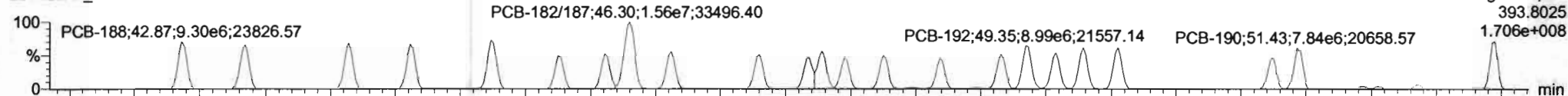
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

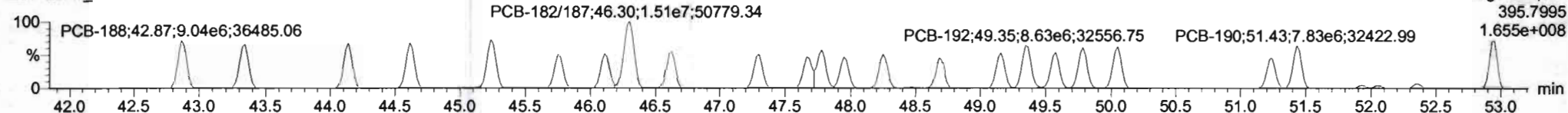
Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

**PCB-188**

201125K1\_6

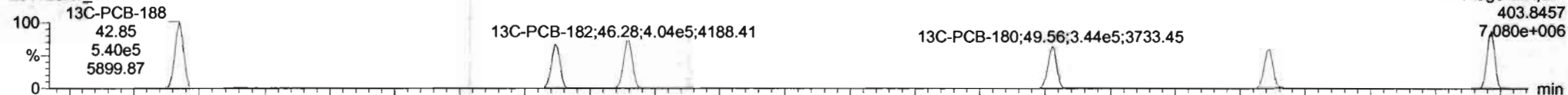


201125K1\_6

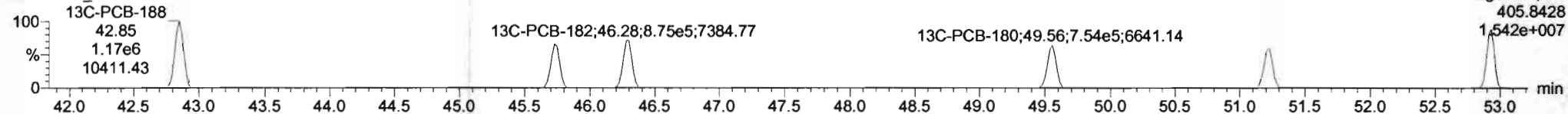


**13C-PCB-188**

201125K1\_6

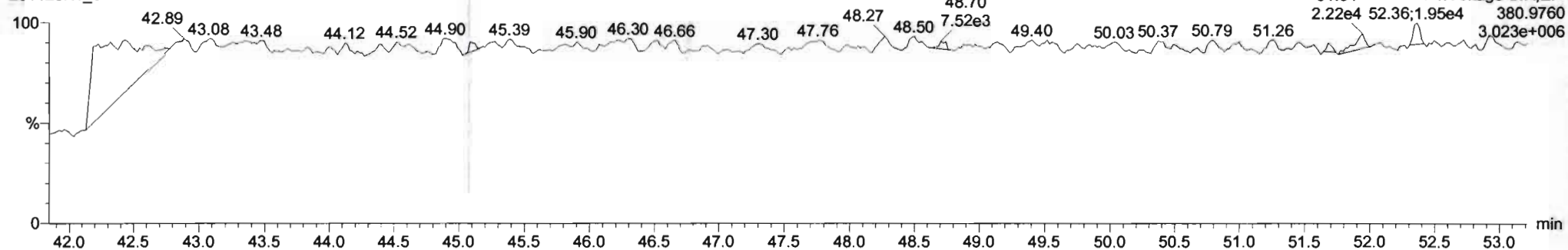


201125K1\_6



**PFK4c**

201125K1\_6

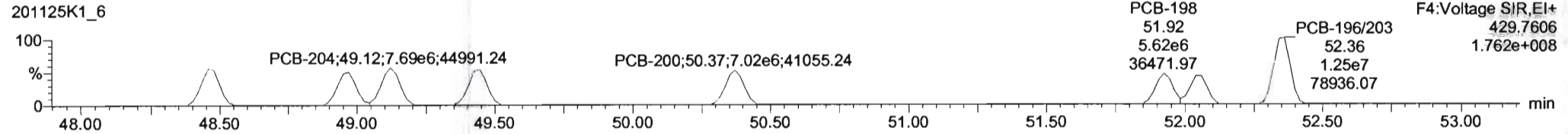
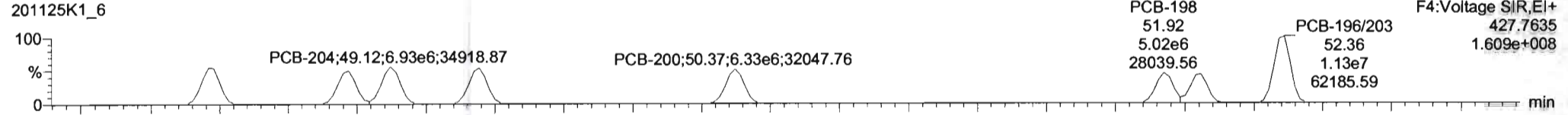


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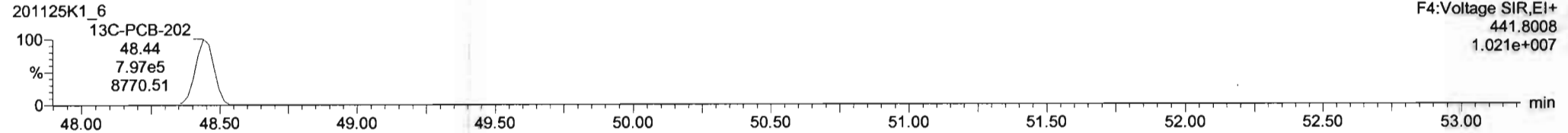
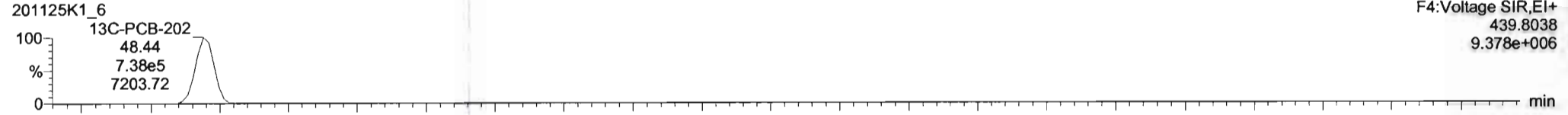
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Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

Name: 201125K1\_6, Date: 25-Nov-2020, Time: 14:49:20, ID: ST201125K1-6 PCB 209 CS5 20J1219, Description: PCB 209 CS5 20J1219

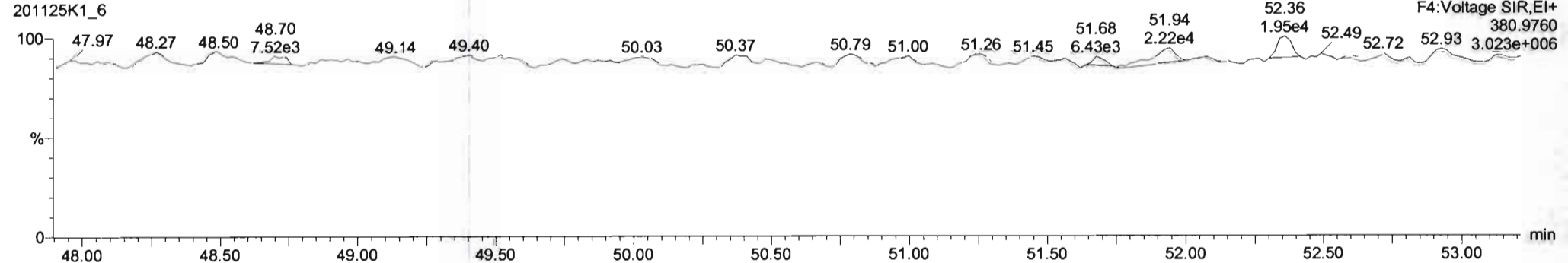
**PCB-202**



**13C-PCB-202**



**PFK4d**





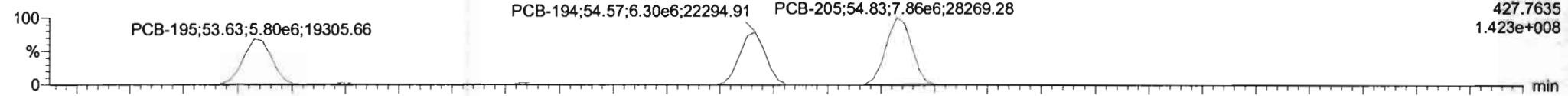
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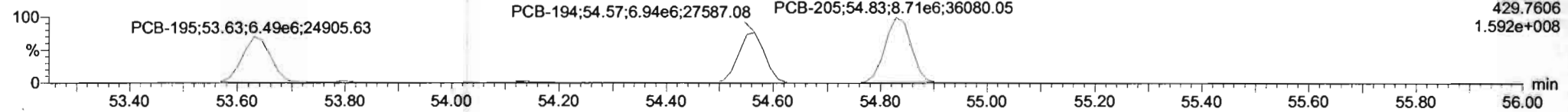
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**PCB-195**

201125K1\_6

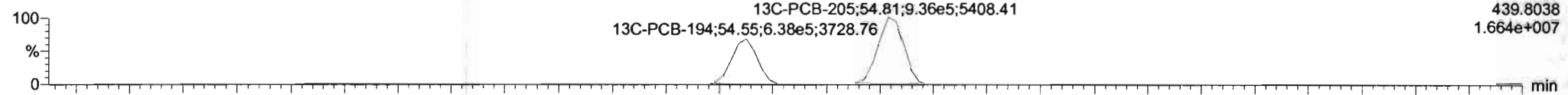


201125K1\_6

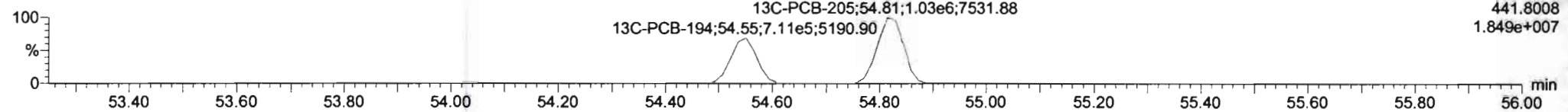


**13C-PCB-194**

201125K1\_6

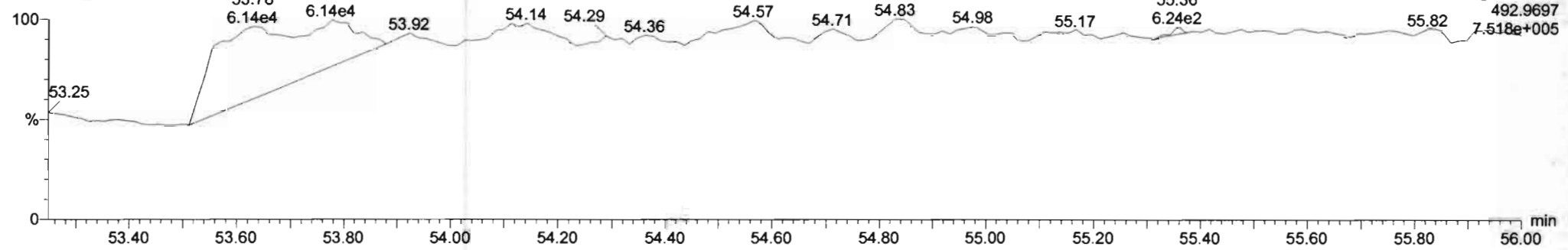


201125K1\_6



**PFK5a**

201125K1\_6



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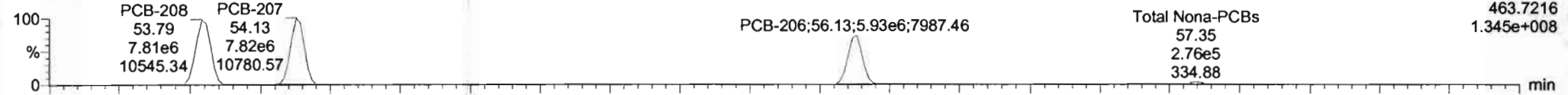
Last Altered: Thursday, November 26, 2020 06:56:44 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:01:33 Pacific Standard Time

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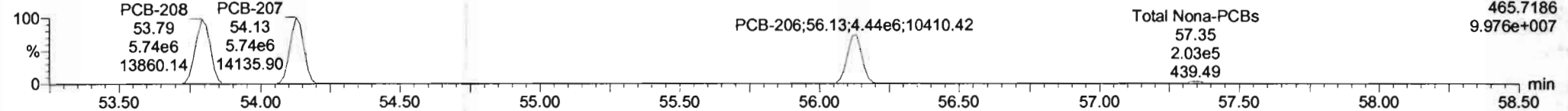
**PCB-208**

201125K1\_6



F5:Voltage SIR,EI+  
463.7216  
1.345e+008

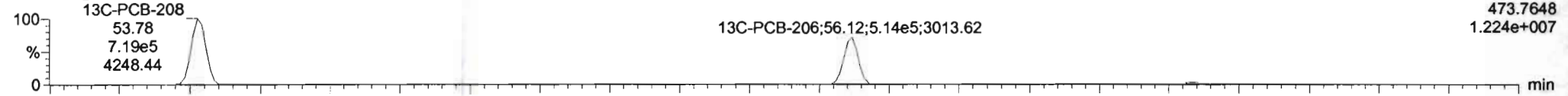
201125K1\_6



F5:Voltage SIR,EI+  
465.7186  
9.976e+007

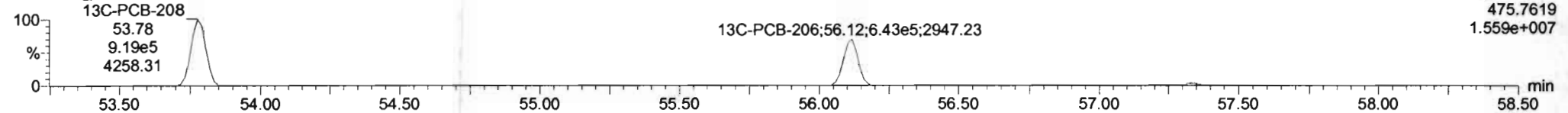
**13C-PCB-208**

201125K1\_6



F5:Voltage SIR,EI+  
473.7648  
1.224e+007

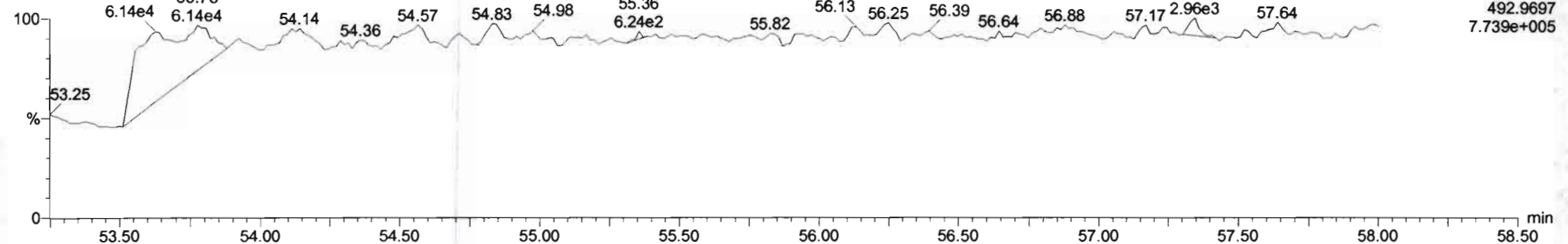
201125K1\_6



F5:Voltage SIR,EI+  
475.7619  
1.559e+007

**PFK5**

201125K1\_6



F5:Voltage SIR,EI+  
492.9697  
7.739e+005

Dataset: Untitled

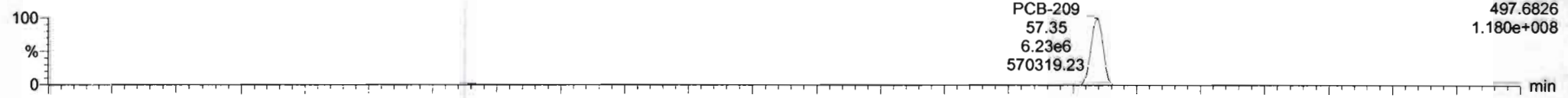
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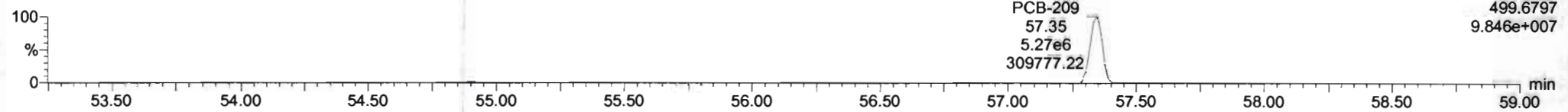
**PCB-209**

201125K1\_6



F5:Voltage SIR,EI+  
497.6826  
1.180e+008

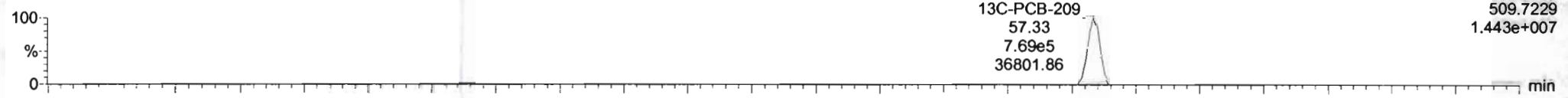
201125K1\_6



F5:Voltage SIR,EI+  
499.6797  
9.846e+007

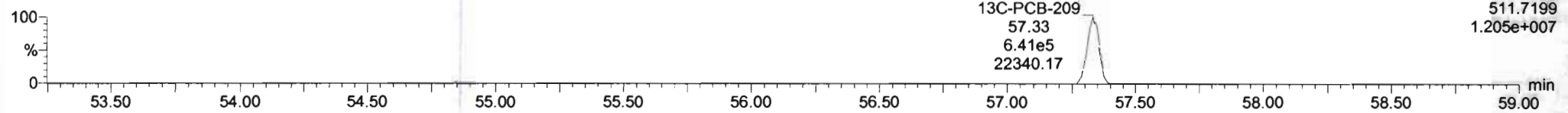
**13C-PCB-209**

201125K1\_6



F5:Voltage SIR,EI+  
509.7229  
1.443e+007

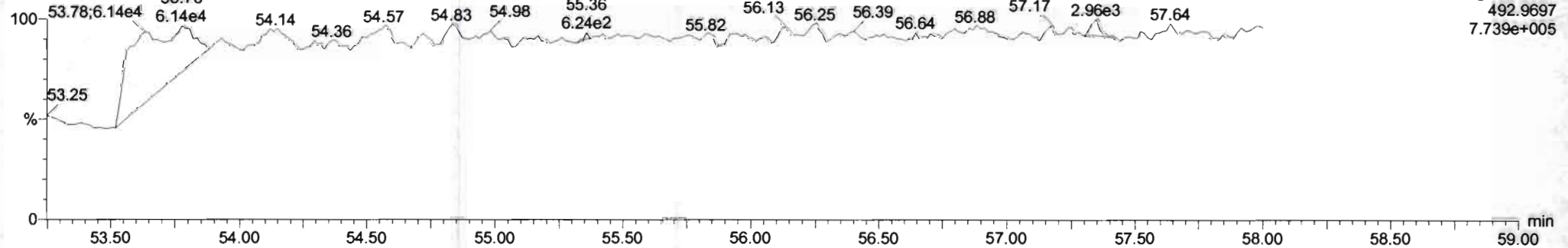
201125K1\_6



F5:Voltage SIR,EI+  
511.7199  
1.205e+007

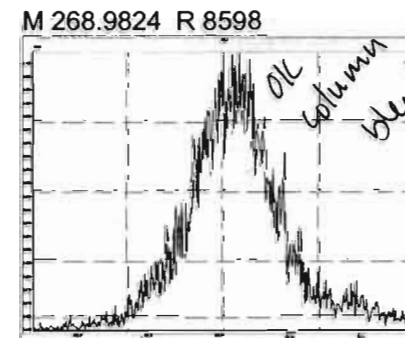
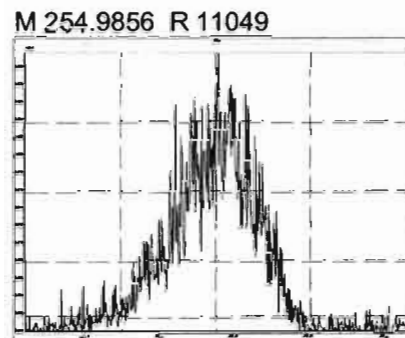
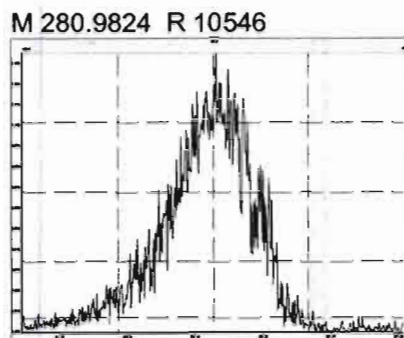
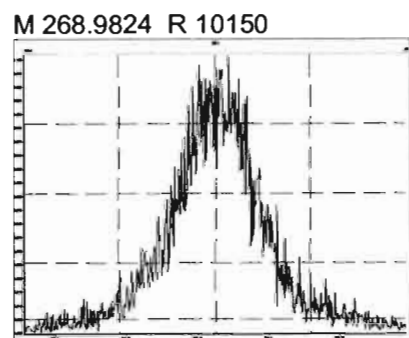
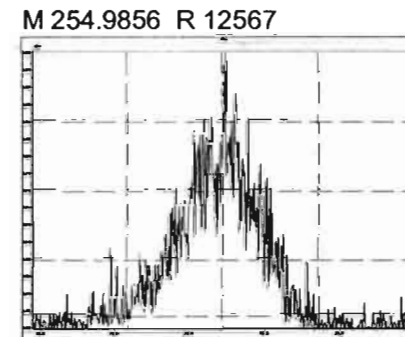
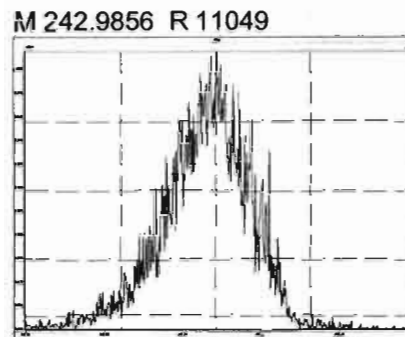
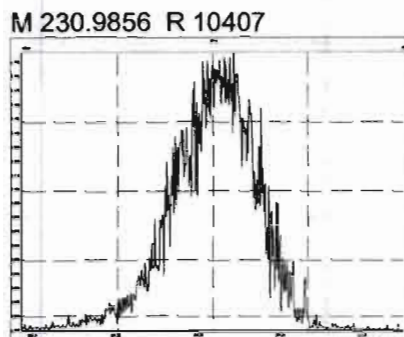
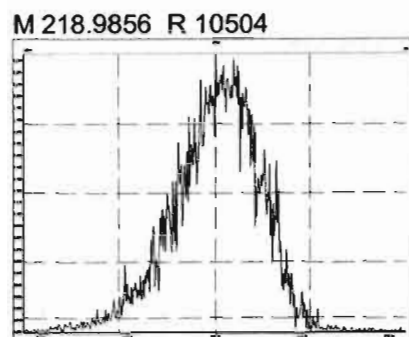
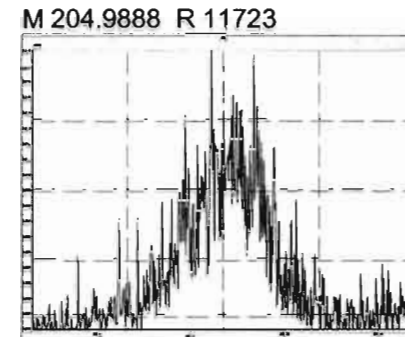
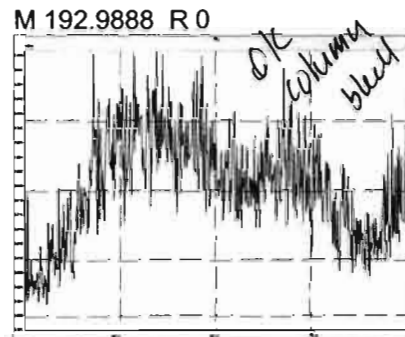
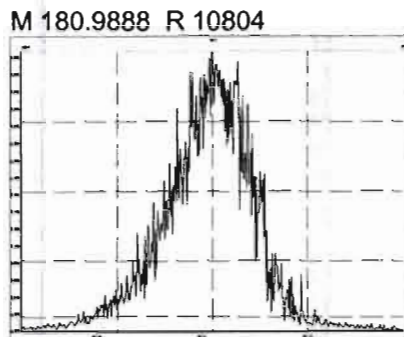
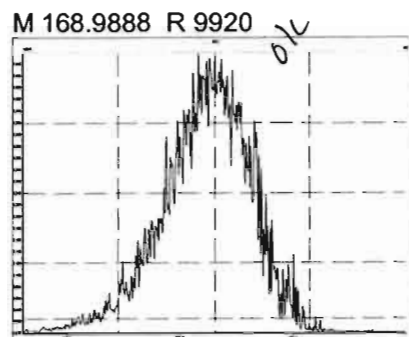
**PFK5b**

201125K1\_6



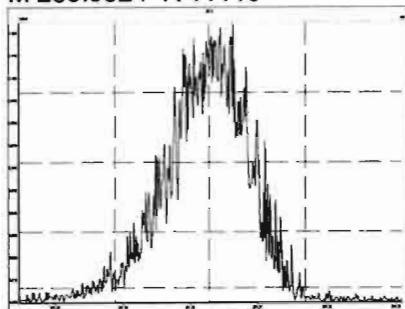
F5:Voltage SIR,EI+  
492.9697  
7.739e+005

Printed: Thursday, November 26, 2020 01:11:04 Pacific Standard Time

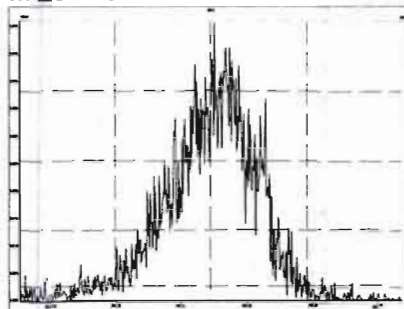


Printed: Thursday, November 26, 2020 01:11:04 Pacific Standard Time

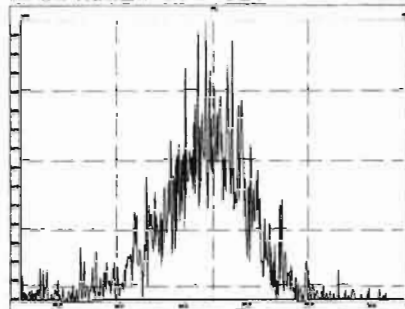
M 280.9824 R 11116



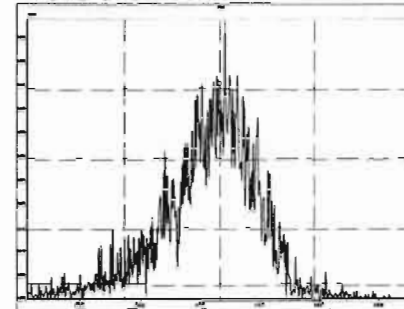
M 292.9824 R 12023



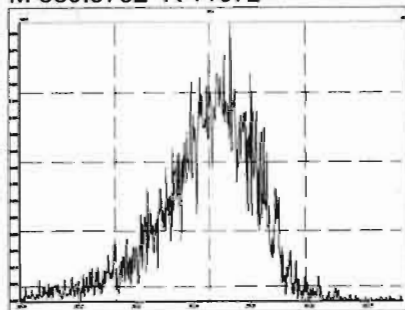
M 304.9824 R 14621



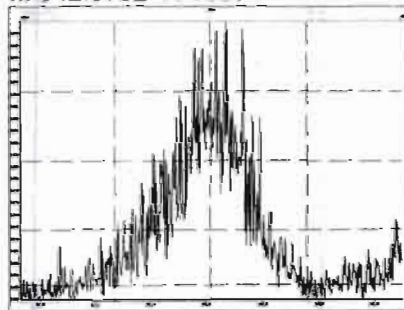
M 318.9792 R 12218



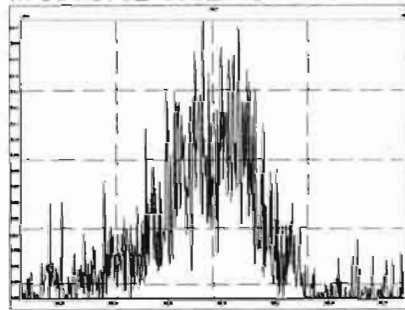
M 330.9792 R 11072



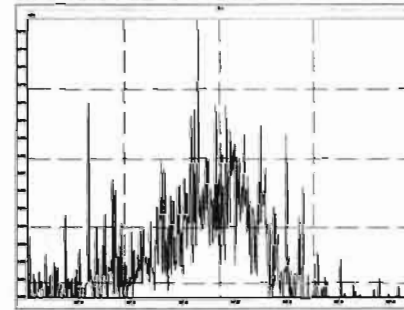
M 342.9792 R 10374



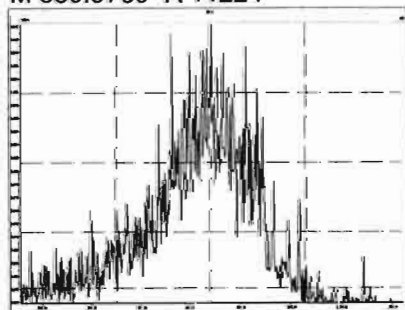
M 354.9792 R 12115



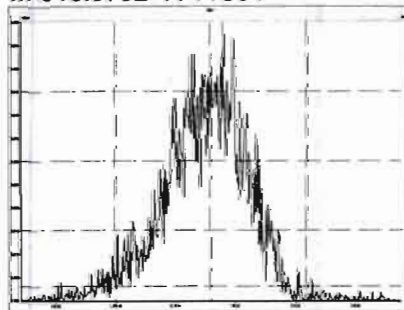
M 366.9792 R 15525



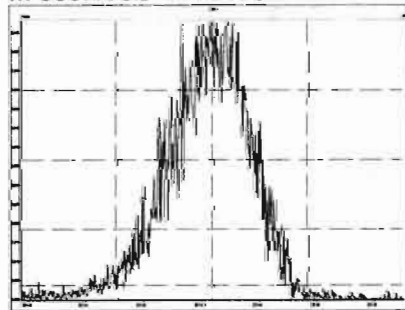
M 380.9760 R 11224



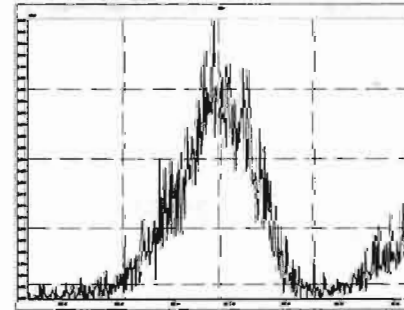
M 318.9792 R 11364



M 330.9792 R 12416

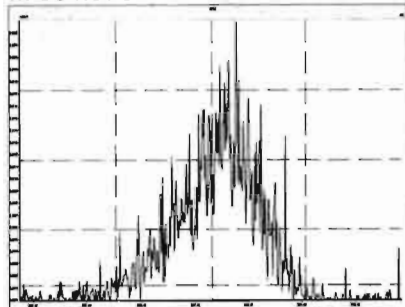


M 342.9792 R 11819

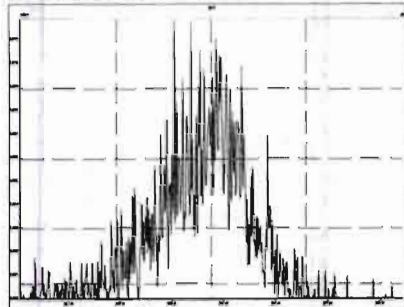


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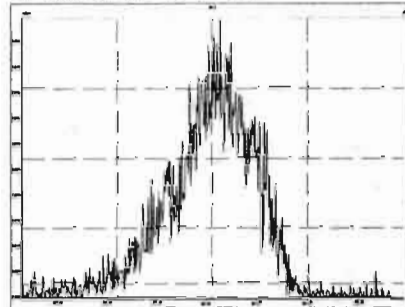
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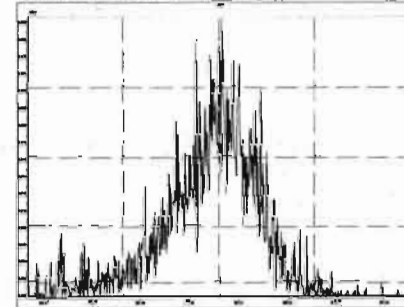
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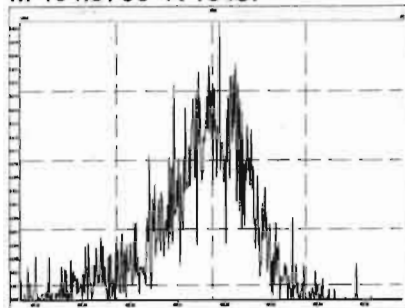
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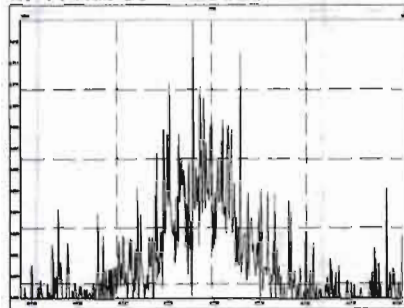
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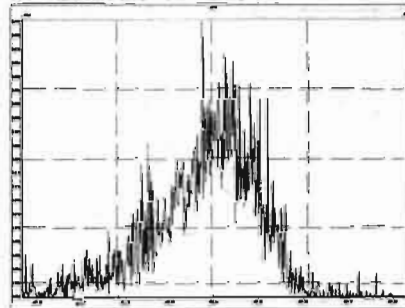
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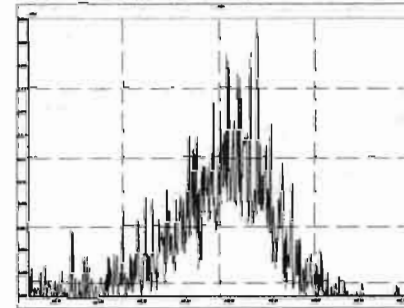
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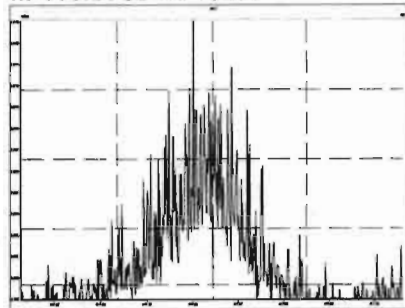
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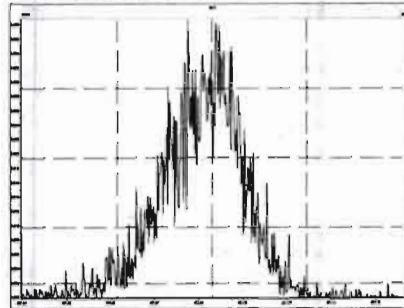
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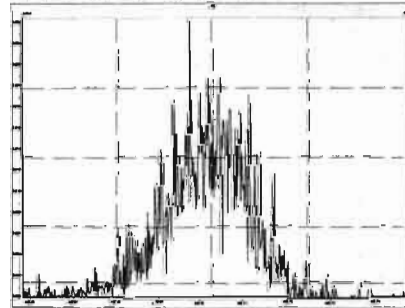
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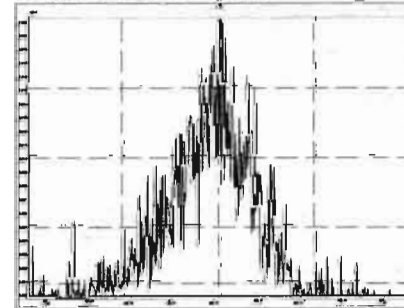
M 430.9728 R 11700



M 442.9728 R 12427

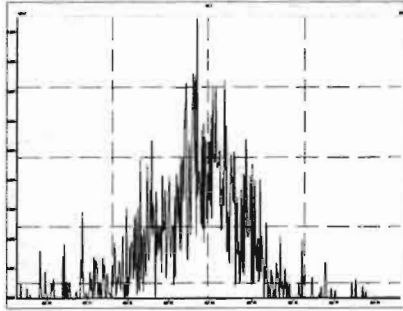


M 454.9728 R 13815

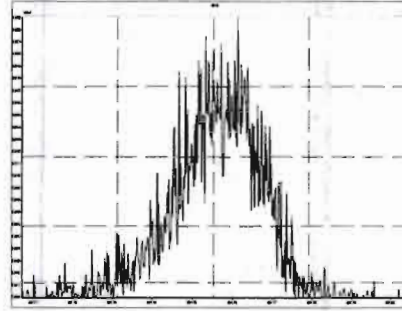


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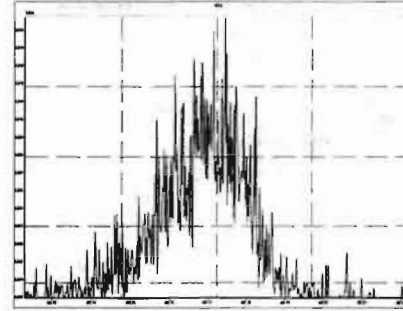
M 466.9728 R 19323



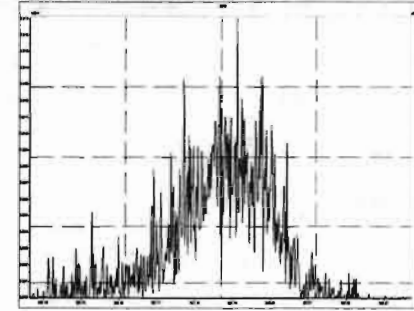
M 480.9696 R 12690



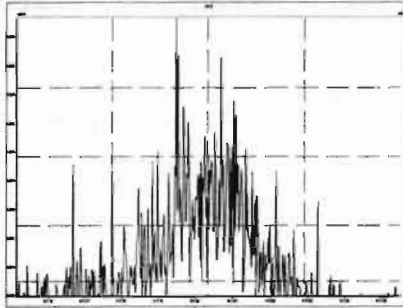
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M 504.9696 R 14102



M 516.9697 R 35353



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-8.qld

Last Altered: Thursday, November 26, 2020 08:15:17 Pacific Standard Time  
Printed: Thursday, November 26, 2020 08:15:28 Pacific Standard Time

*HC 11-26-2020*

*GRB 11/26/2020*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

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1	1 PCB-1	3.26e6	3.18	NO	0.986	1.000	15.43	15.44	1.001	1.001	NO	110.5	70-130	0.00665	110.5
2	2 PCB-2			NO	1.02	1.000	17.83		0.988		YES			0.00680	
3	3 PCB-3	3.35e6	3.15	NO	1.00	1.000	18.05	18.07	1.001	1.001	NO	111.5	70-130	0.00693	111.5
4	4 PCB-4/10	5.29e6	1.58	NO	1.21	1.000	19.48	19.48	1.004	1.004	NO	232.7	140-260	0.0296	232.7
5	5 PCB-7/9	3.26e6	1.59	NO	0.939	1.000	21.27	21.23	1.003	1.001	NO	116.7	70-130	0.0240	116.7
6	6 PCB-6			NO	0.996	1.000	21.92		1.033		YES			0.0226	
7	7 PCB-5/8	3.26e6	1.58	NO	0.976	1.000	22.32	22.32	1.052	1.052	NO	112.4		0.0231	112.4
8	8 PCB-14			NO	1.02	1.000	23.45		0.951		YES			0.0239	
9	9 PCB-11	3.28e6	1.59	NO	1.12	1.000	24.68	24.68	1.001	1.001	NO	103.3		0.0219	103.3
10	10 PCB-12/13	3.16e6	1.59	NO	1.02	1.000	25.11	25.11	1.018	1.018	NO	109.1		0.0240	109.1
11	11 PCB-15	3.44e6	1.60	NO	1.02	1.000	25.39	25.40	1.030	1.030	NO	119.0		0.0240	119.0
12	12 PCB-19	8.20e5	1.04	NO	0.972	1.000	23.65	23.64	1.001	1.001	NO	53.11	35-65	0.0170	53.11
13	13 PCB-30			NO	1.54	1.000	24.56		1.040		YES			0.0107	
14	14 PCB-18	8.50e5	1.02	NO	0.719	1.000	25.33	25.32	0.952	0.952	NO	51.35		0.0163	51.35
15	15 PCB-17			NO	0.672	1.000	25.50		0.958		YES			0.0174	
16	16 PCB-24/27			NO	0.932	1.000	26.11		0.981		YES			0.0126	
17	17 PCB-16/32			NO	0.824	1.000	26.63		1.001		YES			0.0142	
18	18 PCB-34			NO	0.878	1.000	27.44		0.959		YES			0.0159	
19	19 PCB-23			NO	0.892	1.000	27.53		0.962		YES			0.0157	
20	20 PCB-29			NO	0.861	1.000	27.77		0.971		YES			0.0162	
21	21 PCB-26			NO	0.915	1.000	28.01		0.979		YES			0.0153	
22	22 PCB-25			NO	0.915	1.000	28.16		0.984		YES			0.0153	
23	23 PCB-31	1.42e6	1.06	NO	1.03	1.000	28.53	28.54	0.997	0.997	NO	49.33		0.0136	49.33
24	24 PCB-28	1.54e6	1.06	NO	1.01	1.000	28.63	28.63	1.001	1.001	NO	54.54		0.0138	54.54
25	25 PCB-20/21/33	1.36e6	1.05	NO	0.913	1.000	29.27	29.30	1.023	1.024	NO	53.55	53.6	0.0153	53.55
26	26 PCB-22			NO	0.948	1.000	29.74		1.039		YES			0.0148	
27	27 PCB-36			NO	1.07	1.000	30.36		0.932		YES			0.0150	
28	28 PCB-39			NO	1.00	1.000	30.84		0.946		YES			0.0160	
29	29 PCB-38	1.31e6	1.07	NO	1.05	1.000	31.64	31.63	0.971	0.970	NO	49.20		0.0153	49.20
30	30 PCB-35	1.36e6	1.06	NO	1.05	1.000	32.16	32.17	0.987	0.987	NO	51.28		0.0153	51.28
31	31 PCB-37	1.39e6	1.07	NO	1.03	1.000	32.61	32.63	1.001	1.001	NO	53.44		0.0156	53.44
32	32 PCB-54	1.03e6	0.77	NO	0.974	1.000	27.48	27.48	1.001	1.001	NO	53.70		0.0190	53.70



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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.803	1.000	28.68		1.044		YES			0.0231	
34	34 PCB-53			NO	0.939	1.000	29.37		0.944		YES			0.0246	
35	35 PCB-51			NO	1.00	1.000	29.70		0.955		YES			0.0231	
36	36 PCB-45			NO	0.802	1.000	30.15		0.969		YES			0.0288	
37	37 PCB-46			NO	0.770	1.000	30.65		0.985		YES			0.0300	
38	38 PCB-52/69	8.16e5	0.79	NO	1.08	1.000	31.14	31.12	1.001	1.001	NO	46.55		0.0213	46.55
39	39 PCB-73			NO	1.31	1.000	31.25		1.005		YES			0.0177	
40	40 PCB-43/49	8.41e5	0.78	NO	0.925	1.000	31.43	31.44	1.010	1.011	NO	56.14		0.0249	56.14
41	41 PCB-47			NO	0.863	1.000	31.65		1.001		YES			0.0256	
42	42 PCB-48/75			NO	1.04	1.000	31.76		1.004		YES			0.0213	
43	43 PCB-65			NO	1.16	1.000	32.03		1.013		YES			0.0191	
44	44 PCB-62			NO	1.04	1.000	32.16		1.017		YES			0.0213	
45	45 PCB-44	7.20e5	0.80	NO	0.757	1.000	32.46	32.46	1.026	1.026	NO	55.56		0.0292	55.56
46	46 PCB-42/59			NO	0.975	1.000	32.69		1.033		YES			0.0227	
47	47 PCB-41/64/71/72			NO	1.12	1.000	33.31		1.053		YES			0.0198	
48	48 PCB-68			NO	1.19	1.000	33.56		1.061		YES			0.0186	
49	49 PCB-40			NO	0.572	1.000	33.77		1.068		YES			0.0386	
50	50 PCB-57	1.02e6	0.77	NO	1.08	1.000	34.17	34.16	0.969	0.969	NO	48.27		0.0181	48.27
51	51 PCB-67			NO	1.02	1.000	34.48		0.978		YES			0.0191	
52	52 PCB-58			NO	1.08	1.000	34.61		0.982		YES			0.0180	
53	53 PCB-63			NO	0.971	1.000	34.75		0.986		YES			0.0200	
54	54 PCB-74	1.11e6	0.77	NO	1.09	1.000	35.06	35.05	0.994	0.994	NO	52.32		0.0179	52.32
55	55 PCB-61/70	1.10e6	0.77	NO	0.978	1.000	35.27	35.27	1.000	1.001	NO	57.45		0.0199	57.45
56	56 PCB-76/66	1.10e6	0.79	NO	1.07	1.000	35.45	35.48	1.005	1.006	NO	52.44		0.0181	52.44
57	57 PCB-80			NO	1.08	1.000	35.71		1.001		YES			0.0173	
58	58 PCB-55			NO	1.06	1.000	36.04		1.010		YES			0.0175	
59	59 PCB-56/60			NO	0.946	1.000	36.55		1.024		YES			0.0197	
60	60 PCB-79	1.09e6	0.80	NO	1.06	1.000	37.65	37.64	1.055	1.055	NO	50.51		0.0176	50.51
61	61 PCB-78	9.87e5	0.77	NO	1.01	1.000	38.36	38.36	0.987	0.987	NO	49.55		0.0191	49.55
62	62 PCB-81	1.08e6	0.77	NO	0.941	1.000	38.90	38.90	1.000	1.000	NO	57.84		0.0204	57.84
63	63 PCB-77	1.05e6	0.78	NO	1.03	1.000	39.52	39.52	1.000	1.000	NO	52.16		0.0190	52.16
64	64 PCB-104	9.32e5	1.54	NO	0.982	1.000	32.32	32.32	1.001	1.001	NO	57.20		0.0149	57.20
65	65 PCB-96			NO	0.982	1.000	33.61		1.041		YES			0.0149	
66	66 PCB-103			NO	0.770	1.000	34.17		1.058		YES			0.0190	
67	67 PCB-100			NO	0.805	1.000	34.54		1.070		YES			0.0182	
68	68 PCB-94			NO	0.831	1.000	35.03		0.985		YES			0.0238	

35-65 mg/g(v)

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#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102	6.70e5	1.58	NO	1.07	1.000	35.50	35.59	0.999	1.001	NO	49.84	49.8 <i>35-15</i>	0.0185	49.84
70	70 PCB-93			NO	0.761	1.000	35.65		1.003		YES			0.0260	
71	71 PCB-88/91			NO	0.910	1.000	35.98		1.012		YES			0.0218	
72	72 PCB-121			NO	1.46	1.000	36.09		1.015		YES			0.0135	
73	73 PCB-84/92			NO	0.826	1.000	36.93		0.990		YES			0.0223	
74	74 PCB-89			NO	0.885	1.000	37.11		0.995		YES			0.0208	
75	75 PCB-90/101	7.10e5	1.55	NO	0.905	1.000	37.31	37.32	1.000	1.000	NO	58.87		0.0204	58.87
76	76 PCB-113			NO	1.26	1.000	37.56		1.007		YES			0.0147	
77	77 PCB-99	7.49e5	1.57	NO	0.993	1.000	37.66	37.66	1.010	1.009	NO	56.61		0.0186	56.61
78	78 PCB-119			NO	1.53	1.000	38.14		0.987		YES			0.0148	
79	79 PCB-108/112			NO	1.25	1.000	38.30		0.991		YES			0.0181	
80	80 PCB-83			NO	1.56	1.000	38.45		0.995		YES			0.0145	
81	81 PCB-97			NO	1.12	1.000	38.66		1.000		YES			0.0201	
82	82 PCB-86			NO	1.06	1.000	38.83		1.005		YES			0.0214	
83	83 PCB-87/117/125	6.16e5	1.56	NO	1.34	1.000	38.95	38.96	1.008	1.008	NO	42.44	42.4	0.0169	42.44
84	84 PCB-111/115	8.83e5	1.57	NO	1.62	1.000	39.11	39.13	1.012	1.013	NO	50.40		0.0140	50.40
85	85 PCB-85/116			NO	1.23	1.000	39.23		1.015		YES			0.0183	
86	86 PCB-120			NO	1.79	1.000	39.50		1.022		YES			0.0126	
87	87 PCB-110	8.76e5	1.59	NO	1.50	1.000	39.65	39.65	1.026	1.026	NO	53.90		0.0151	53.90
88	88 PCB-82			NO	0.638	1.000	40.30		0.976		YES			0.0251	
89	89 PCB-124			NO	1.08	1.000	41.01		0.993		YES			0.0149	
90	90 PCB-107/109	8.39e5	1.58	NO	1.11	1.000	41.15	41.32	0.996	1.000	YES	47.54		0.0144	47.54
91	91 PCB-123			NO	1.00	1.000	41.32		1.000		YES			0.0160	
92	92 PCB-106/118	9.16e5	1.59	NO	1.02	1.000	41.53	41.51	1.001	1.000	NO	56.90		0.0156	56.90
93	93 PCB-114	9.73e5	1.58	NO	1.08	1.000	42.19	42.19	1.000	1.000	NO	51.79		0.0222	51.79
94	94 PCB-122			NO	0.930	1.000	42.34		1.004		YES			0.0259	
95	95 PCB-105	9.70e5	1.58	NO	1.03	1.000	43.06	43.06	1.000	1.000	NO	52.89		0.0225	52.89
96	96 PCB-127			NO	1.06	1.000	43.42		1.000		YES			0.0205	
97	97 PCB-126	9.80e5	1.57	NO	1.15	1.000	45.37	45.37	1.000	1.000	NO	47.91		0.0201	47.91
98	98 PCB-155	7.17e5	1.25	NO	0.853	1.000	36.86	36.86	1.000	1.001	NO	61.43		0.0155	61.43
99	99 PCB-150			NO	0.934	1.000	38.18		1.036		YES			0.0141	
100	1... PCB-152			NO	1.02	1.000	38.66		1.049		YES			0.0129	
101	1... PCB-145			NO	0.983	1.000	39.13		1.062		YES			0.0134	
102	1... PCB-136			NO	0.881	1.000	39.46		1.071		YES			0.0150	
103	1... PCB-148			NO	0.666	1.000	39.57		1.074		YES			0.0198	
104	1... PCB-154			NO	0.721	1.000	40.07		1.088		YES			0.0183	

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#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.674	1.000	40.74		1.106		YES			0.0196	
106	1... PCB-135			NO	0.723	1.000	40.97		1.112		YES			0.0182	
107	1... PCB-144			NO	0.691	1.000	41.08		1.115		YES			0.0191	
108	1... PCB-147			NO	0.713	1.000	41.21		1.119		YES			0.0185	
109	1... PCB-139/149	4.88e5	1.27	NO	0.773	1.000	41.49	41.45	1.126	1.125	NO	46.09		0.0170	46.09
110	1... PCB-140			NO	0.652	1.000	41.68		1.131		YES			0.0202	
111	1... PCB-134/143			NO	0.718	1.000	42.11		0.975		YES			0.0303	
112	1... PCB-131/133			NO	0.768	1.000	42.41		0.982		YES			0.0283	
113	1... PCB-142			NO	0.687	1.000	42.56		0.985		YES			0.0317	
114	1... PCB-146/165			NO	0.943	1.000	42.81		0.991		YES			0.0231	
115	1... PCB-132/161			NO	0.957	1.000	43.06		0.997		YES			0.0227	
116	1... PCB-153	7.49e5	1.24	NO	0.990	1.000	43.25	43.25	1.001	1.001	NO	51.25		0.0220	51.25
117	1... PCB-168			NO	1.03	1.000	43.46		1.006		YES			0.0210	
118	1... PCB-141			NO	0.948	1.000	44.00		1.000		YES			0.0271	
119	1... PCB-137			NO	0.964	1.000	44.38		1.009		YES			0.0267	
120	1... PCB-130			NO	0.816	1.000	44.50		1.012		YES			0.0315	
121	1... PCB-138/163/164	6.71e5	1.22	NO	1.15	1.000	44.90	44.86	1.001	1.000	NO	44.80	44.8	0.0214	44.80
122	1... PCB-158/160			NO	1.14	1.000	45.14		1.007		YES			0.0217	
123	1... PCB-129			NO	0.807	1.000	45.39		1.012		YES			0.0306	
124	1... PCB-166			NO	1.03	1.000	45.87		0.993		YES			0.0207	
125	1... PCB-159			NO	1.10	1.000	46.23		1.001		YES			0.0195	
126	1... PCB-128/162	8.43e5	1.23	NO	0.836	1.000	46.51	46.51	1.007	1.007	NO	64.21		0.0255	64.21
127	1... PCB-167	8.12e5	1.22	NO	0.960	1.000	46.90	46.90	1.000	1.000	NO	52.28		0.0204	52.28
128	1... PCB-156	8.18e5	1.24	NO	1.06	1.000	48.23	48.23	1.000	1.000	NO	50.97		0.0198	50.97
129	1... PCB-157	8.21e5	1.26	NO	0.960	1.000	48.52	48.51	1.000	1.000	NO	54.88		0.0221	54.88
130	1... PCB-169	7.93e5	1.24	NO	1.04	1.000	50.79	50.79	1.000	1.000	NO	49.90		0.0209	49.90
131	1... PCB-188	8.45e5	1.05	NO	1.15	1.000	42.87	42.85	1.001	1.000	NO	56.09		0.0243	56.09
132	1... PCB-184			NO	1.14	1.000	43.32		1.011		YES			0.0245	
133	1... PCB-179			NO	1.07	1.000	44.12		1.030		YES			0.0260	
134	1... PCB-176			NO	1.11	1.000	44.59		1.041		YES			0.0251	
135	1... PCB-186			NO	1.23	1.000	45.24		1.056		YES			0.0227	
136	1... PCB-178	5.97e5	1.02	NO	0.830	1.000	45.75	45.75	1.068	1.068	NO	54.84		0.0336	54.84
137	1... PCB-175			NO	0.853	1.000	46.09		1.076		YES			0.0327	
138	1... PCB-182/187	6.30e5	1.04	NO	0.942	1.000	46.28	46.26	1.081	1.080	NO	51.06		0.0296	51.06
139	1... PCB-183			NO	0.910	1.000	46.60		1.088		YES			0.0307	
140	1... PCB-185			NO	1.24	1.000	47.28		0.954		YES			0.0350	

3565

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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174	5.82e5	1.05	NO	1.20	1.000	47.66	47.66	0.962	0.962	NO	56.13	75-85	0.0362	56.13
142	1... PCB-181			NO	1.33	1.000	47.76		0.964		YES			0.0326	
143	1... PCB-177			NO	1.14	1.000	47.93		0.967		YES			0.0380	
144	1... PCB-171			NO	1.22	1.000	48.23		0.974		YES			0.0356	
145	1... PCB-173			NO	1.07	1.000	48.68		0.983		YES			0.0407	
146	1... PCB-172			NO	1.26	1.000	49.14		0.992		YES			0.0345	
147	1... PCB-192			NO	1.61	1.000	49.35		0.996		YES			0.0269	
148	1... PCB-180	6.03e5	1.04	NO	1.30	1.000	49.56	49.56	1.000	1.000	NO	53.60		0.0334	53.60
149	1... PCB-193			NO	1.47	1.000	49.78		1.005		YES			0.0295	
150	1... PCB-191			NO	1.51	1.000	50.03		1.010		YES			0.0288	
151	1... PCB-170	5.30e5	1.05	NO	1.23	1.000	51.23	51.22	1.000	1.000	NO	52.39		0.0359	52.39
152	1... PCB-190			NO	1.61	1.000	51.44		1.005		YES			0.0275	
153	1... PCB-189	7.01e5	1.03	NO	1.27	1.000	52.93	52.93	1.000	1.000	NO	54.09		0.0256	54.09
154	1... PCB-202	6.66e5	0.89	NO	0.995	1.000	48.48	48.46	1.001	1.000	NO	55.95		0.0152	55.95
155	1... PCB-201			NO	0.904	1.000	48.97		1.011		YES			0.0167	
156	1... PCB-204			NO	0.955	1.000	49.12		1.014		YES			0.0159	
157	1... PCB-197			NO	0.964	1.000	49.44		1.021		YES			0.0157	
158	1... PCB-200	6.12e5	0.91	NO	0.911	1.000	50.37	50.35	1.040	1.040	NO	56.06		0.0166	56.06
159	1... PCB-198			NO	0.696	1.000	51.92		1.072		YES			0.0218	
160	1... PCB-199			NO	0.706	1.000	52.06		1.075		YES			0.0214	
161	1... PCB-196/203	4.73e5	0.91	NO	0.754	1.000	52.36	52.34	1.081	1.081	NO	52.32		0.0201	52.32
162	1... PCB-195	5.36e5	0.90	NO	0.957	1.000	53.62	53.61	0.984	0.983	NO	53.46		0.0235	53.46
163	1... PCB-194	5.68e5	0.90	NO	1.06	1.000	54.54	54.54	1.000	1.000	NO	51.08		0.0212	51.08
164	1... PCB-205	7.14e5	0.90	NO	1.27	1.000	54.81	54.81	1.005	1.005	NO	53.68		0.0177	53.68
165	1... PCB-208	6.02e5	1.36	NO	0.861	1.000	53.78	53.78	1.000	1.000	NO	55.33		0.0261	55.33
166	1... PCB-207			NO	0.849	1.000	54.11		1.007		YES			0.0264	
167	1... PCB-206	4.66e5	1.35	NO	0.951	1.000	56.07	56.07	1.000	1.000	NO	52.10		0.0308	52.10
168	1... PCB-209	5.43e5	1.19	NO	0.863	1.000	57.32	57.32	1.000	1.000	NO	57.91		0.00269	57.91
169	1... 13C-PCB-1	2.99e6	3.20	NO	0.937	1.000	15.43	15.42	0.608	0.608	NO	100.7	101	0.0440	
170	1... 13C-PCB-3	3.00e6	3.21	NO	0.934	1.000	18.06	18.04	0.712	0.711	NO	101.2	101	0.0442	
171	1... 13C-PCB-4	1.88e6	1.59	NO	0.599	1.000	19.41	19.40	0.765	0.764	NO	98.94	98.9	0.0200	
172	1... 13C-PCB-9	2.98e6	1.59	NO	0.960	1.000	21.22	21.21	0.836	0.836	NO	97.79	97.8	0.0125	
173	1... 13C-PCB-11	2.84e6	1.59	NO	0.929	1.000	24.66	24.66	0.971	0.972	NO	96.41	96.4	0.0129	
174	1... 13C-PCB-19	1.59e6	1.03	NO	0.506	1.000	23.63	23.62	0.931	0.930	NO	98.84	98.8	0.255	
175	1... 13C-PCB-32	2.30e6	1.03	NO	0.738	1.000	26.62	26.61	1.049	1.048	NO	98.29	98.3	0.175	
176	1... 13C-PCB-28	2.79e6	1.06	NO	1.06	1.000	28.61	28.61	1.004	1.004	NO	100.1	100	0.159	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-8.qld

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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	2.53e6	1.04	NO	0.979	1.000	32.59	32.59	1.143	1.144	NO	98.38	98.4	0.172	
178	1... 13C-PCB-54	1.97e6	0.78	NO	0.981	1.000	27.49	27.46	0.753	0.752	NO	98.99	99.0	0.0397	
179	1... 13C-PCB-52	1.62e6	0.78	NO	0.786	1.000	31.10	31.11	0.852	0.852	NO	101.6	102	0.0495	
180	1... 13C-PCB-47	1.71e6	0.79	NO	0.833	1.000	31.63	31.63	0.866	0.866	NO	101.2	101	0.0467	
181	1... 13C-PCB-70	1.96e6	0.80	NO	0.981	1.000	35.25	35.26	0.965	0.965	NO	98.47	98.5	0.0397	
182	1... 13C-PCB-80	2.03e6	0.80	NO	1.01	1.000	35.68	35.68	0.977	0.977	NO	98.88	98.9	0.0384	
183	1... 13C-PCB-81	1.98e6	0.80	NO	0.995	1.000	38.88	38.88	1.064	1.065	NO	98.16	98.2	0.0391	
184	1... 13C-PCB-77	1.95e6	0.80	NO	0.977	1.000	39.50	39.50	1.082	1.082	NO	98.25	98.3	0.0398	
185	1... 13C-PCB-104	1.66e6	1.59	NO	1.00	1.000	32.30	32.30	0.826	0.826	NO	102.4	102	0.0227	
186	1... 13C-PCB-95	1.26e6	1.59	NO	0.779	1.000	35.55	35.55	0.910	0.910	NO	99.88	99.9	0.0292	
187	1... 13C-PCB-101	1.33e6	1.56	NO	0.833	1.000	37.30	37.30	0.954	0.954	NO	99.16	99.2	0.0273	
188	1... 13C-PCB-97	1.08e6	1.59	NO	0.679	1.000	38.64	38.64	0.988	0.989	NO	98.90	98.9	0.0335	
189	1... 13C-PCB-123	1.59e6	1.59	NO	0.970	1.000	41.28	41.30	1.056	1.057	NO	101.7	102	0.0235	
190	1... 13C-PCB-118	1.57e6	1.58	NO	1.00	1.000	41.49	41.49	1.061	1.061	NO	97.51	97.5	0.0227	
191	1... 13C-PCB-114	1.73e6	1.58	NO	1.55	1.000	42.15	42.17	0.908	0.908	NO	96.45	96.5	0.0333	
192	1... 13C-PCB-105	1.77e6	1.59	NO	1.59	1.000	43.04	43.04	0.927	0.927	NO	95.97	96.0	0.0324	
193	1... 13C-PCB-127	1.85e6	1.61	NO	1.66	1.000	43.40	43.40	0.934	0.934	NO	95.97	96.0	0.0311	
194	1... 13C-PCB-126	1.78e6	1.60	NO	1.65	1.000	45.35	45.35	0.976	0.976	NO	93.10	93.1	0.0314	
195	1... 13C-PCB-155	1.37e6	1.31	NO	0.819	1.000	36.81	36.84	0.942	0.942	NO	103.6	104	0.0158	
196	1... 13C-PCB-153	1.48e6	1.26	NO	1.31	1.000	43.22	43.21	0.930	0.930	NO	96.88	96.9	0.0450	
197	1... 13C-PCB-141	1.24e6	1.25	NO	1.08	1.000	43.99	43.99	0.947	0.947	NO	98.40	98.4	0.0545	
198	1... 13C-PCB-138	1.30e6	1.22	NO	1.15	1.000	44.84	44.84	0.965	0.965	NO	97.12	97.1	0.0513	
199	1... 13C-PCB-159	1.57e6	1.29	NO	1.39	1.000	46.16	46.18	0.994	0.994	NO	97.03	97.0	0.0424	
200	2... 13C-PCB-167	1.62e6	1.23	NO	1.43	1.000	46.88	46.89	1.009	1.009	NO	97.69	97.7	0.0414	
201	2... 13C-PCB-156	1.51e6	1.27	NO	1.34	1.000	48.21	48.21	1.038	1.038	NO	97.20	97.2	0.0441	
202	2... 13C-PCB-157	1.56e6	1.28	NO	1.36	1.000	48.48	48.50	1.044	1.044	NO	98.76	98.8	0.0435	
203	2... 13C-PCB-169	1.53e6	1.24	NO	1.33	1.000	50.75	50.77	1.092	1.093	NO	98.99	99.0	0.0444	
204	2... 13C-PCB-188	1.31e6	0.46	NO	1.39	1.000	42.83	42.83	0.925	0.925	NO	96.90	96.9	0.0411	
205	2... 13C-PCB-180	8.65e5	0.47	NO	0.907	1.000	49.55	49.54	1.071	1.070	NO	98.08	98.1	0.0630	
206	2... 13C-PCB-170	8.22e5	0.45	NO	0.823	1.000	51.20	51.20	1.106	1.106	NO	102.7	103	0.0695	
207	2... 13C-PCB-189	1.02e6	0.46	NO	1.08	1.000	52.91	52.91	1.143	1.143	NO	97.37	97.4	0.0531	
208	2... 13C-PCB-202	1.20e6	0.93	NO	1.23	1.000	48.43	48.44	1.046	1.047	NO	99.93	99.9	0.0297	
209	2... 13C-PCB-194	1.05e6	0.93	NO	0.710	1.000	54.53	54.52	0.995	0.995	NO	99.51	99.5	0.0474	
210	2... 13C-PCB-208	1.26e6	0.78	NO	0.865	1.000	53.77	53.76	0.981	0.981	NO	98.50	98.5	0.0487	
211	2... 13C-PCB-206	9.41e5	0.80	NO	0.623	1.000	56.08	56.06	1.023	1.023	NO	101.9	102	0.0677	
212	2... 13C-PCB-209	1.09e6	1.20	NO	0.725	1.000	57.32	57.32	1.046	1.046	NO	101.1	101	0.00609	

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Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	3.17e6	1.61	NO	1.00	1.000	25.39	25.38	1.000	0.000	NO	100.0	100	0.0120	
214	2... 13C-PCB-31	2.63e6	1.04	NO	1.00	1.000	28.52	28.50	1.000	0.000	NO	100.0	100	0.169	
215	2... 13C-PCB-60	2.03e6	0.79	NO	1.00	1.000	36.54	36.52	1.000	0.000	NO	100.0	100	0.0389	
216	2... 13C-PCB-111	1.61e6	1.59	NO	1.00	1.000	39.11	39.09	1.000	0.000	NO	100.0	100	0.0228	
217	2... 13C-PCB-128	1.16e6	1.26	NO	1.00	1.000	46.47	46.45	1.000	0.000	NO	100.0	100	0.0591	
218	2... 13C-PCB-182	9.73e5	0.45	NO	1.00	1.000	46.30	46.28	0.000	0.000	NO	100.0	100	0.0572	
219	2... 13C-PCB-205	1.48e6	0.93	NO	1.00	1.000	54.81	54.80	1.000	0.000	NO	100.0	100	0.0336	
220	2... 13C-PCB-79	2.08e6	0.79	NO	1.04	1.000	37.62	37.62	1.030	1.030	NO	99.24	99.2	0.0376	to 13d
221	2... 13C-PCB-178	9.06e5	0.45	NO	0.774	1.000	45.72	45.71	0.988	0.988	NO	100.8	101	0.0608	
222	2... 13C-PCB-79	2.08e6	0.79	NO	1.04	1.000	37.63	37.62	0.968	0.967	NO	101.1	101	0.0378	
223	2... 13C-PCB-178	9.06e5	0.45	NO	1.02	1.000	45.71	45.71	0.923	0.923	NO	102.9	103	0.0632	

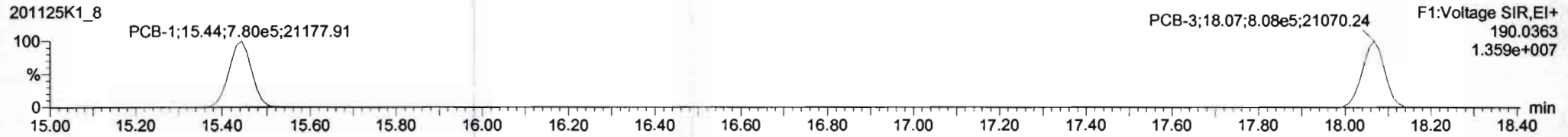
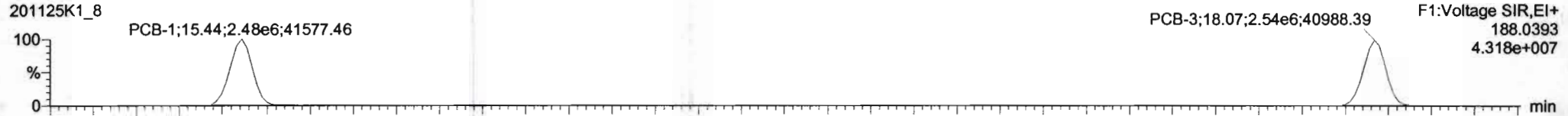
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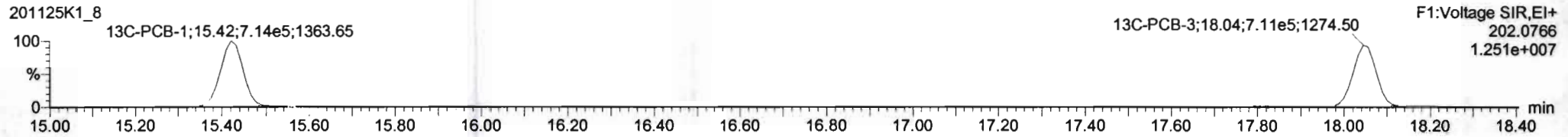
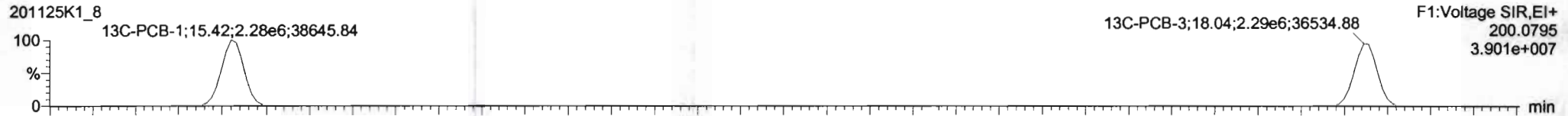
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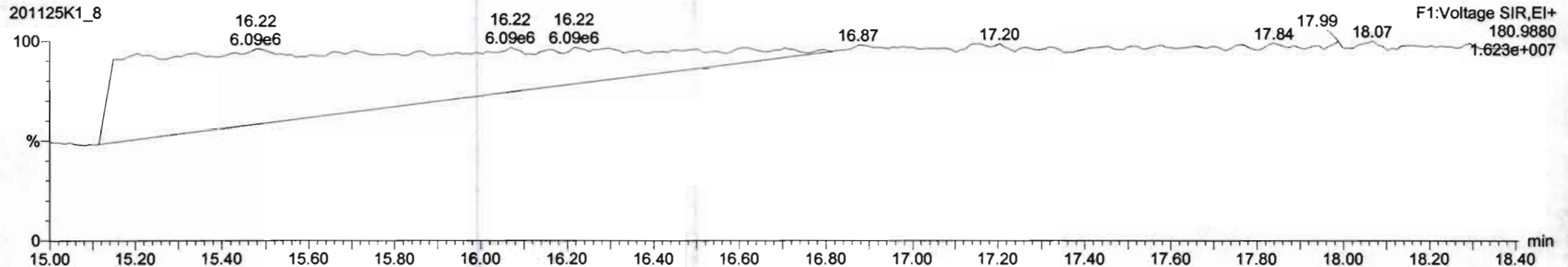
**PCB-1**



**13C-PCB-1**



**PFK1**

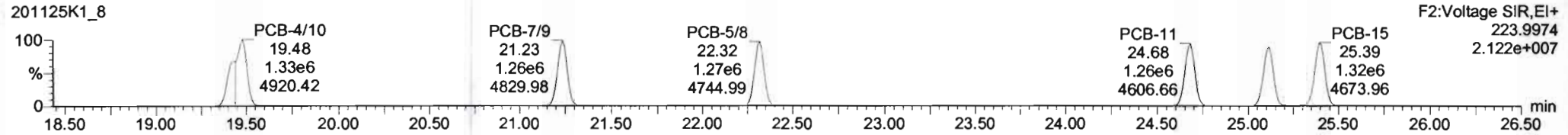
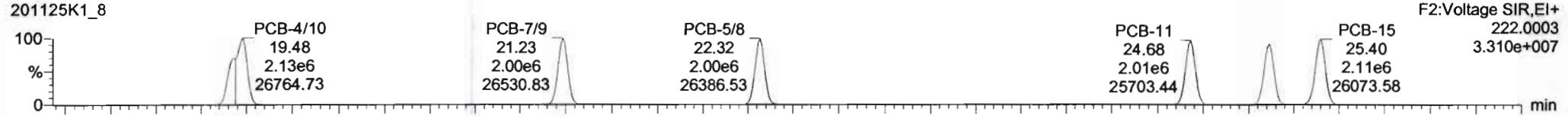


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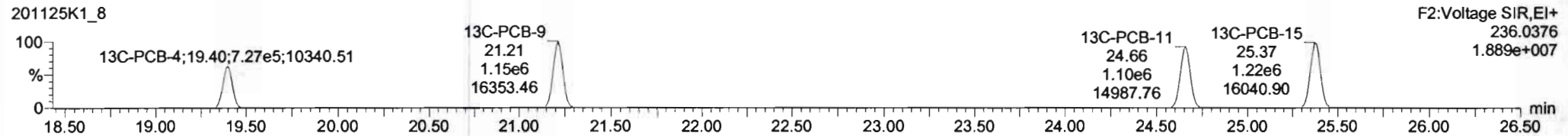
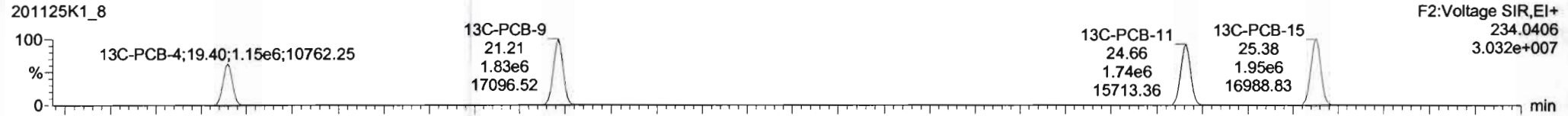
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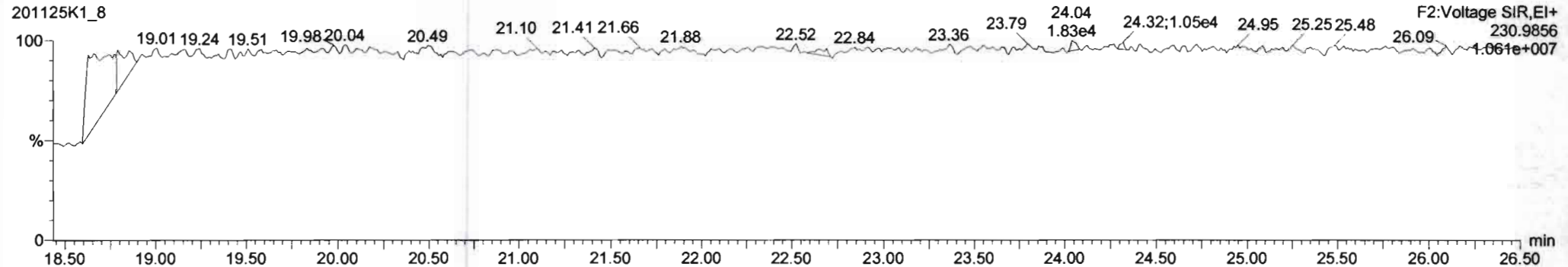
**PCB-4/10**



**13C-PCB-4**



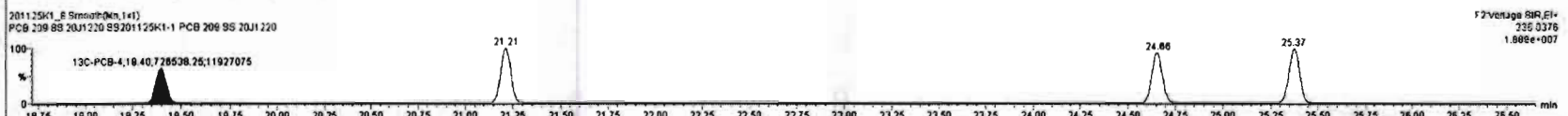
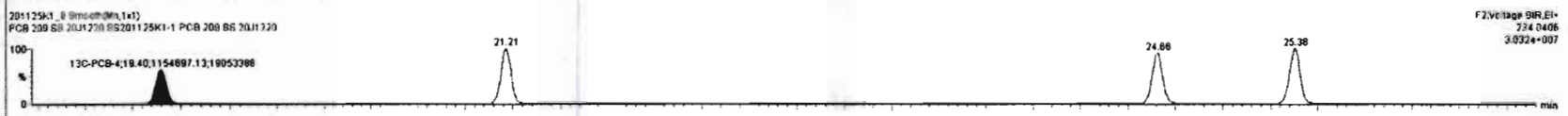
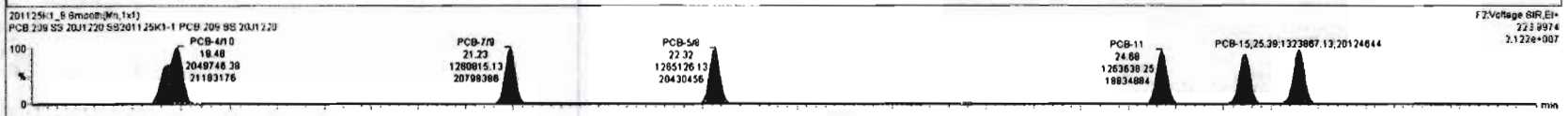
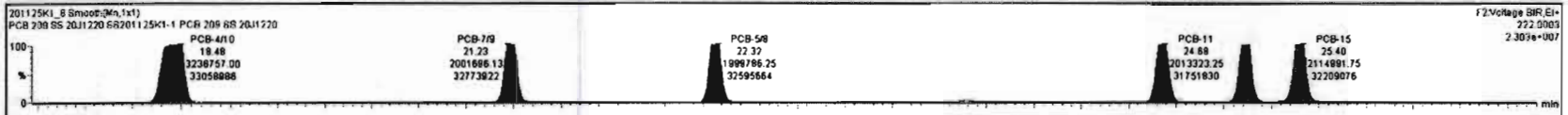
**PFK2a**





#	Name	Resp	RA	rvy	RF	wtWtd	Prod.RT	RT	Prod.R	RT	WRT.Fid	Conc	S.Ret	DL	EMPC
218	218 13C-PCB-183	8.72e5	0.45	NO	1.0000	1.000	46.30	46.28	0.000	0.000	NO	100.0	100	0.0672	
219	219 13C-PCB-205	1.48e6	0.83	NO	1.0000	1.000	54.81	54.80	1.000	0.000	NO	100.0	100	0.0306	
220	220 13C-PCB-78	2.08e6	0.79	NO	1.0359	1.000	37.62	37.62	1.030	1.030	NO	80.24	80.2	0.0376	
221	221 13C-PCB-178	9.06e5	0.45	NO	0.7744	1.000	45.72	45.71	0.988	0.988	NO	100.8	101	0.0600	
222	222 13C-PCB-78	2.08e6	0.79	NO	1.0415	1.000	37.63	37.62	0.988	0.987	NO	101.1	101	0.0378	
223	223 13C-PCB-178	9.06e5	0.45	NO	1.0180	1.000	45.71	45.71	0.823	0.823	NO	102.8	103	0.0632	
224	224 Total Mono-PCBs				1.0034	1.000	0.00	0.000			NO	222.0		0.0204	222.0
225	225 Total Di-PCBs				1.8387	1.000	0.00	0.000			NO	783.2		0.183	783.2
226	226 2nd Function Tri-PCBs				0.9434	1.000	0.00	0.000			NO	104.6		0.0892	104.6

#	Name	Prod.RT	RT	wt Resp	wt2 Resp	* Ratio (Prod)	RA	rvy	EMPC	Conc
4	PCB-4/10	19.48	19.48	3.237e6	2.050e6	1.580	1.58	NO	232.74	232.74
5	PCB-7/9	21.27	21.23	2.002e6	1.261e6	1.580	1.58	NO	118.70	118.70
7	PCB-5/8	22.32	22.32	2.000e6	1.265e6	1.580	1.58	NO	112.37	112.37
9	PCB-11	24.68	24.68	2.013e6	1.264e6	1.580	1.58	NO	103.31	103.31
10	PCB-12/13	25.11	25.11	1.940e6	1.218e6	1.580	1.58	NO	100.05	100.05
11	PCB-15	25.38	25.40	2.115e6	1.324e6	1.580	1.80	NO	118.89	118.89



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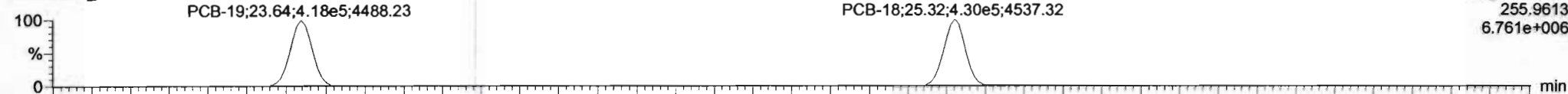
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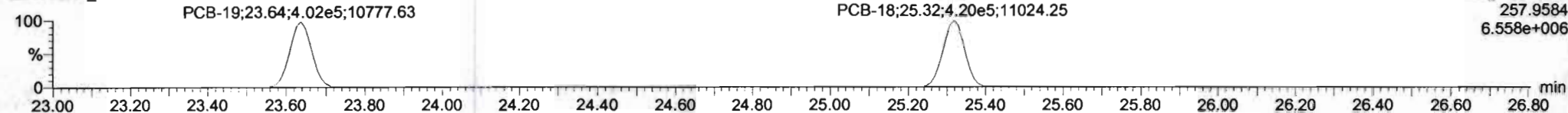
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**PCB-19**

201125K1\_8

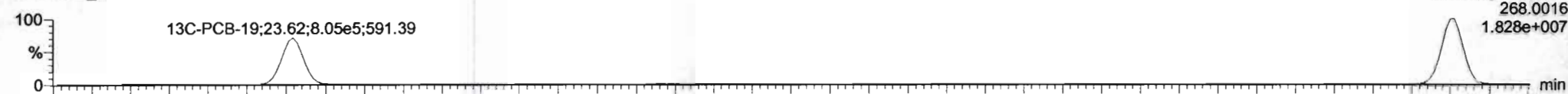


201125K1\_8

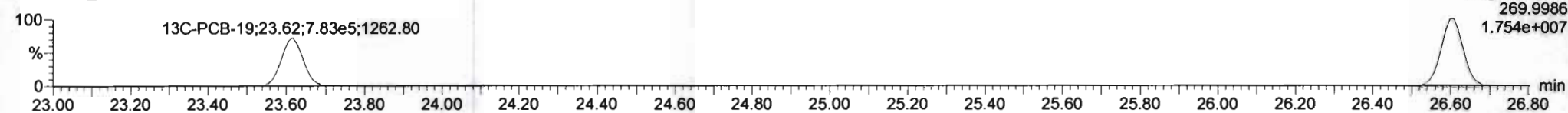


**13C-PCB-19**

201125K1\_8

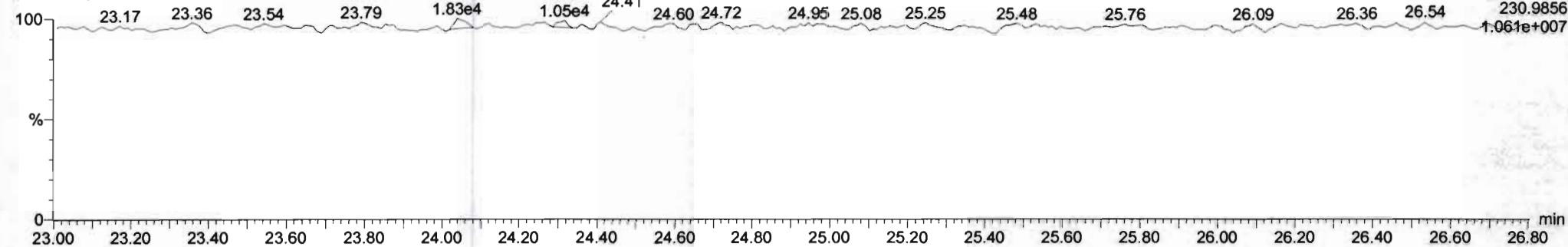


201125K1\_8



**PFK2b**

201125K1\_8



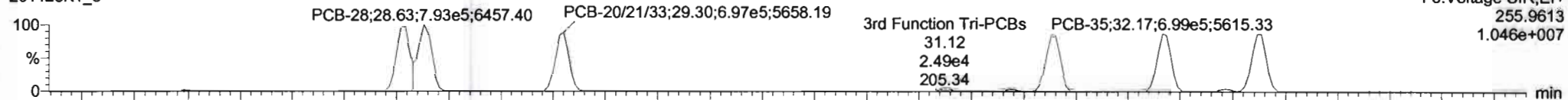
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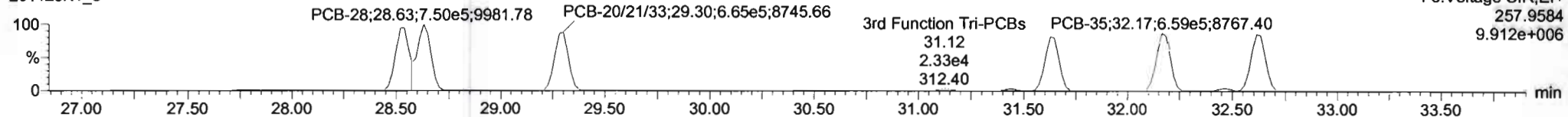
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**PCB-34**

201125K1\_8

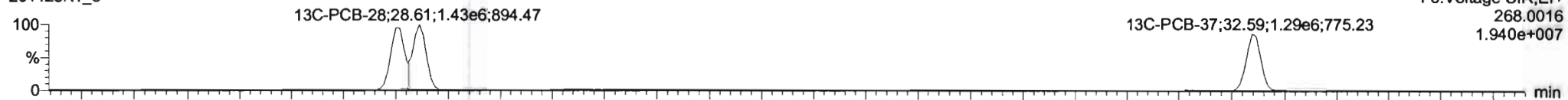


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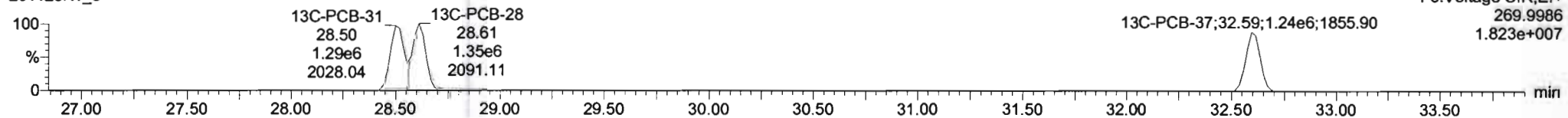


**13C-PCB-28**

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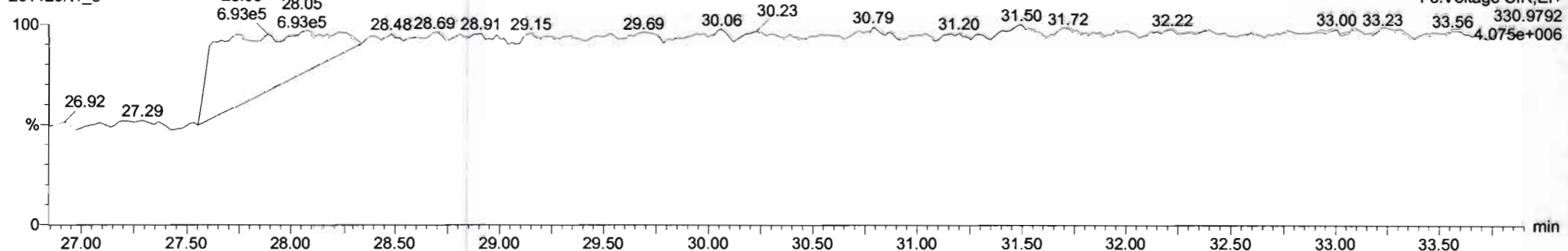


201125K1\_8



**PFK3d**

201125K1\_8



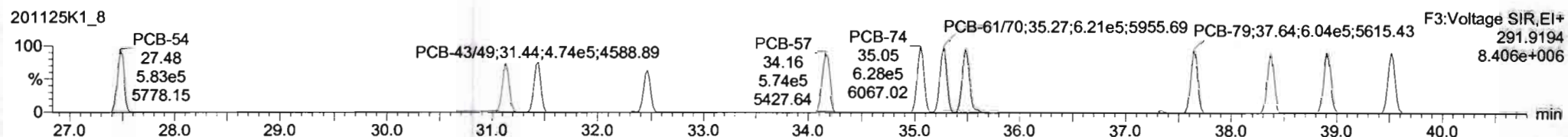
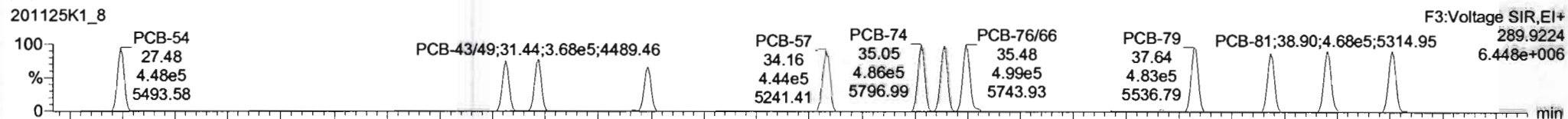
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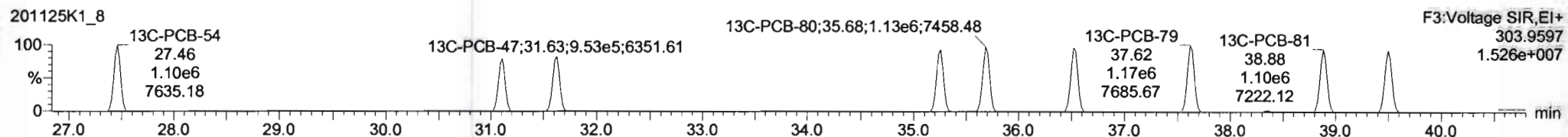
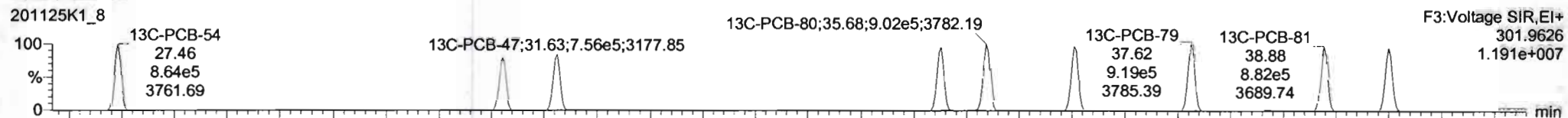
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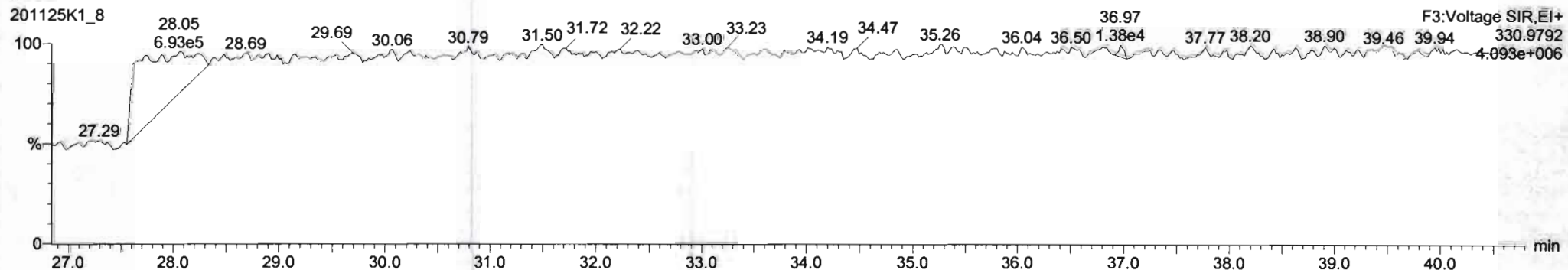
**PCB-54**



**13C-PCB-54**



**PFK3a**

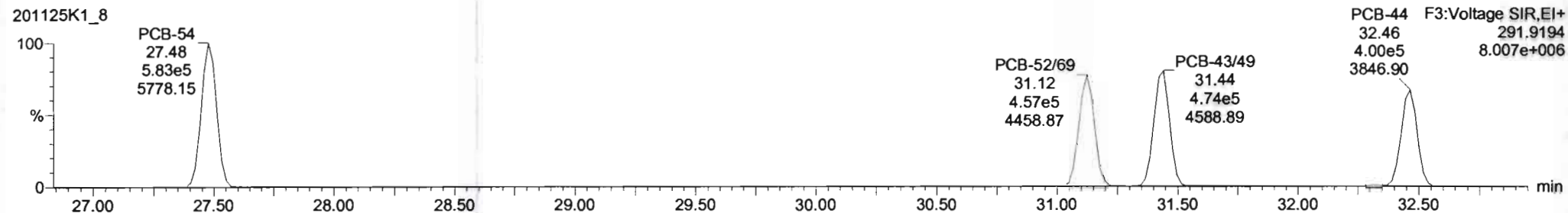
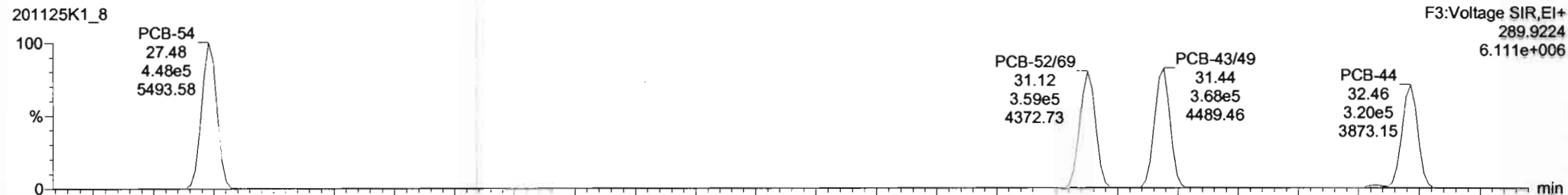


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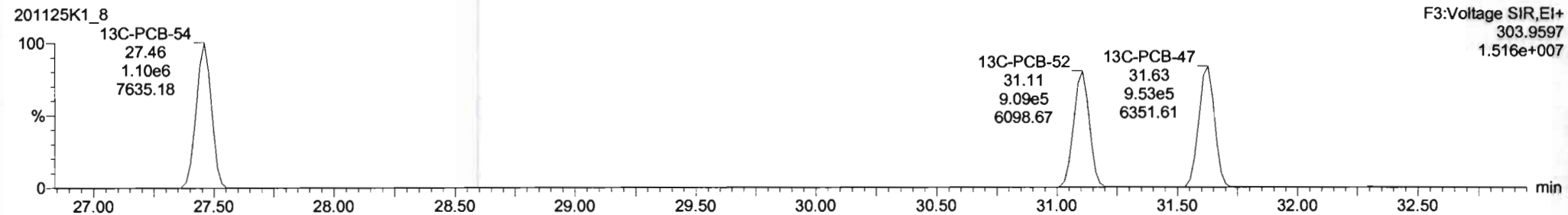
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PCB-50



13C-PCB-52



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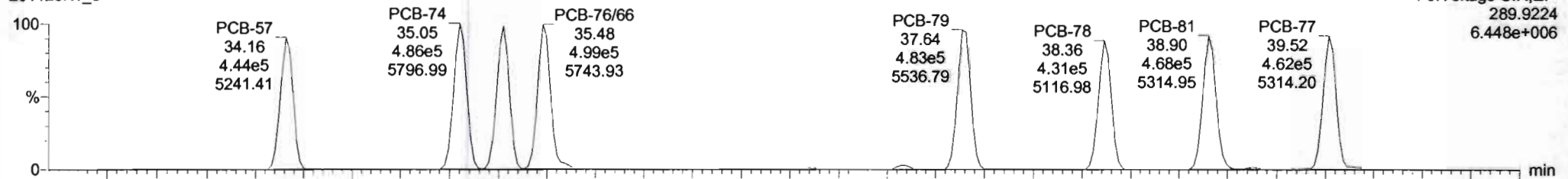
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

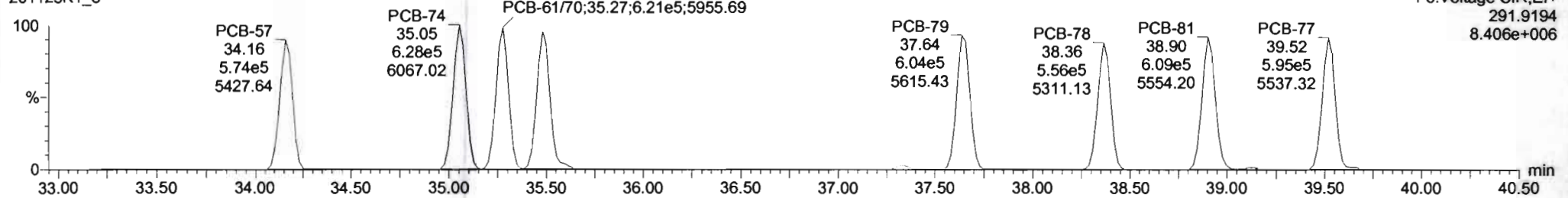
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**PCB-68**

201125K1\_8

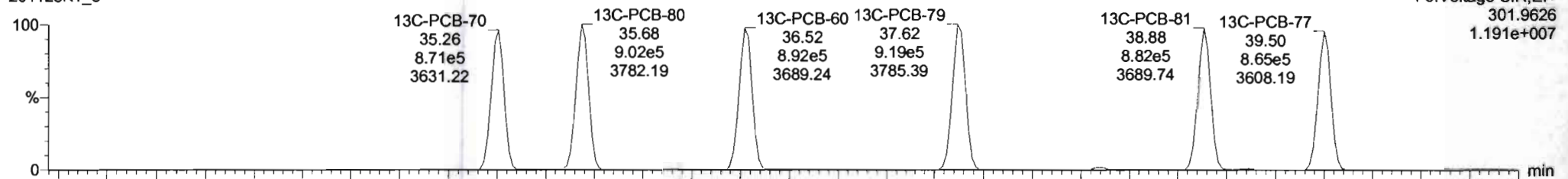


201125K1\_8

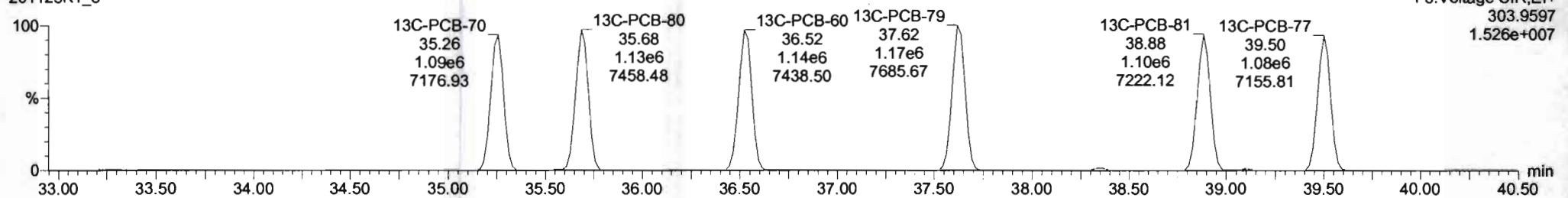


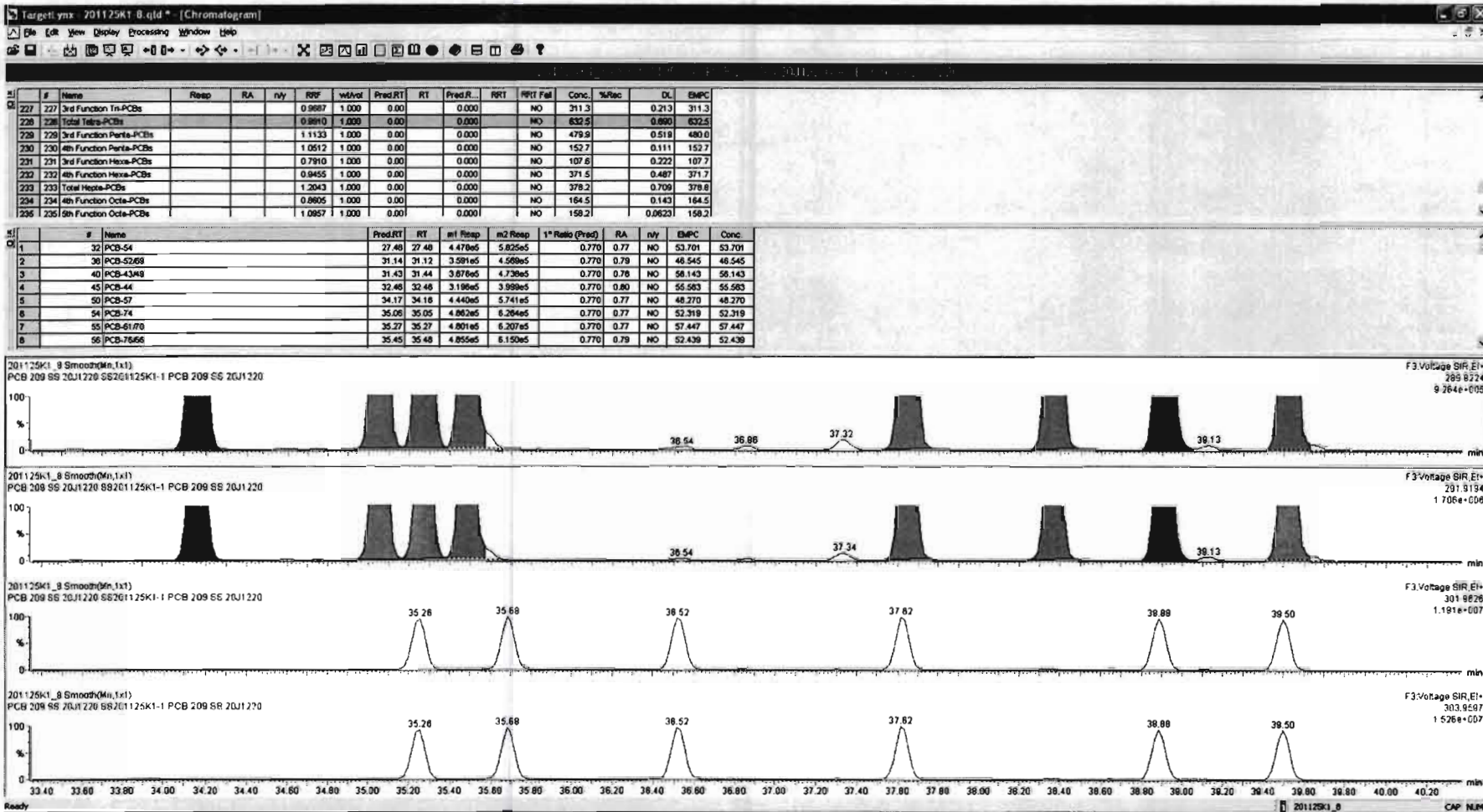
**13C-PCB-60**

201125K1\_8



201125K1\_8



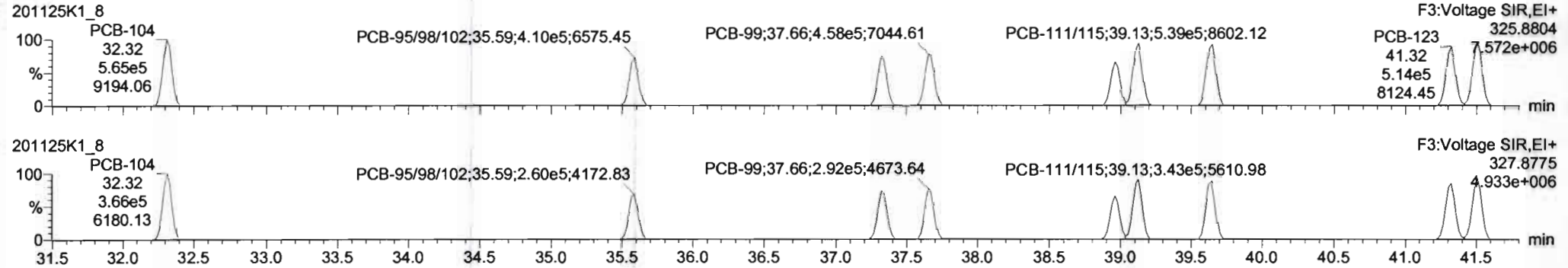


Dataset: Untitled

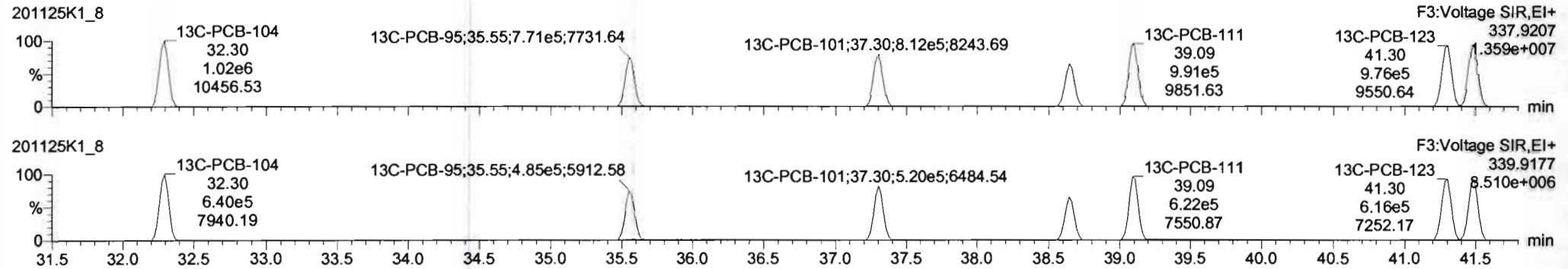
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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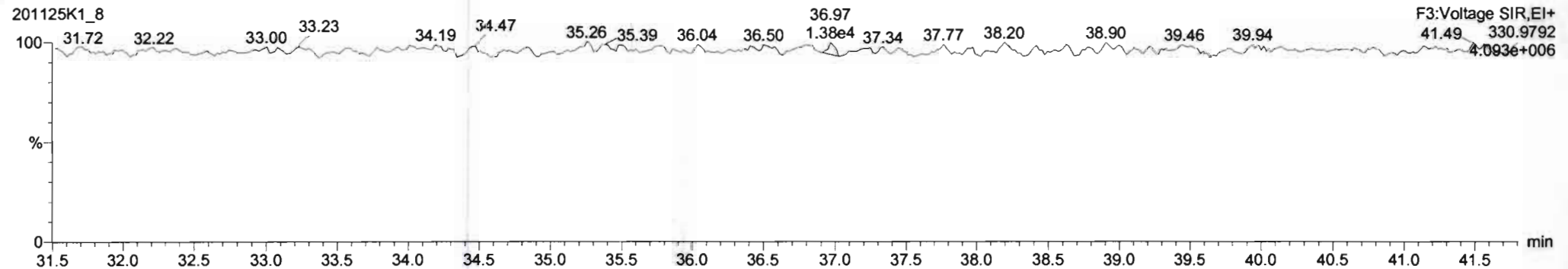
**PCB-104**



**13C-PCB-104**



**PFK3b**





Dataset: Untitled

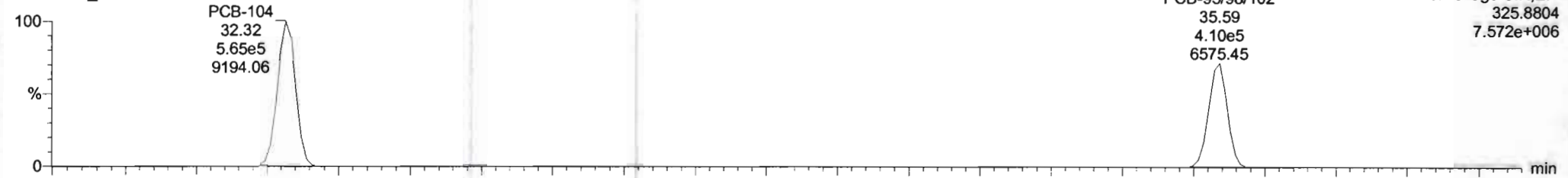
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

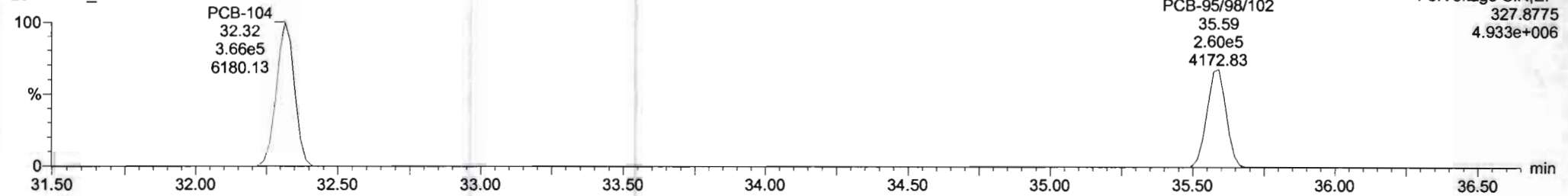
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**PCB-96**

201125K1\_8

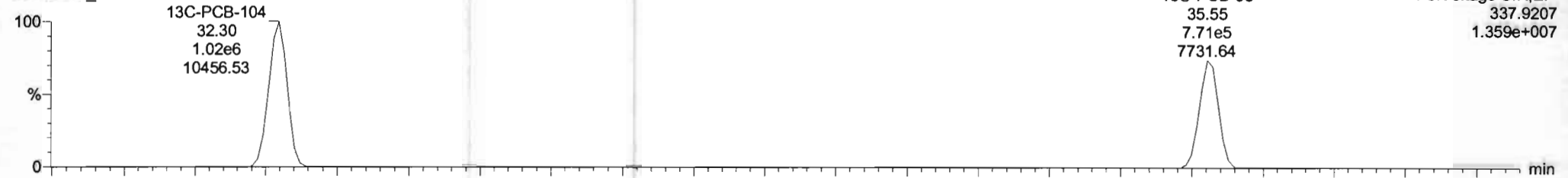


201125K1\_8

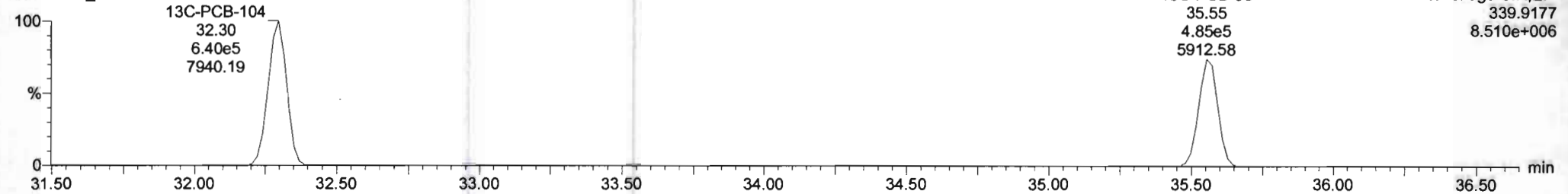


**13C-PCB-95**

201125K1\_8



201125K1\_8



Dataset: Untitled

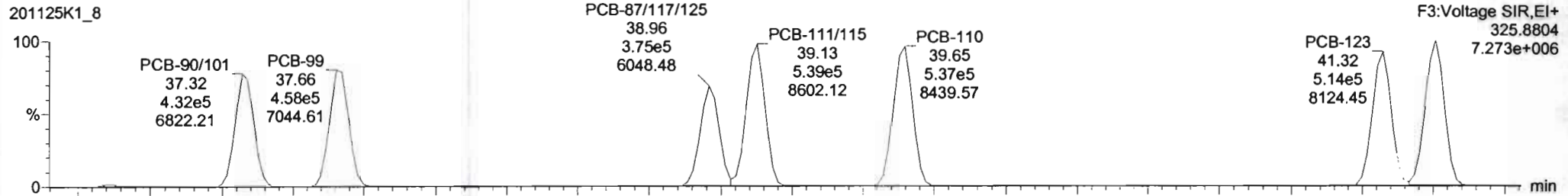
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

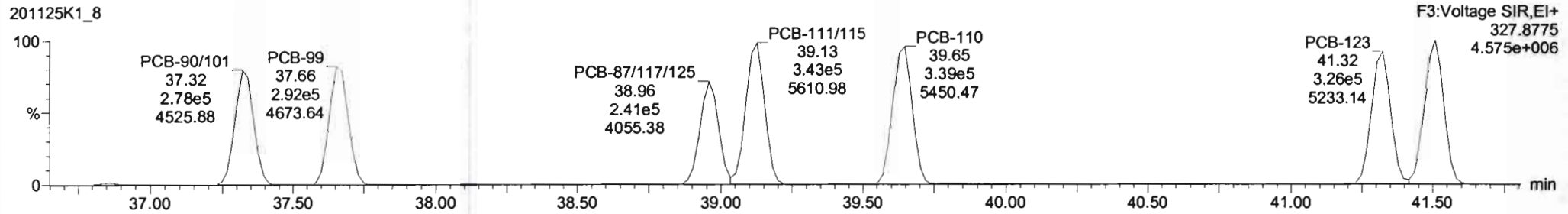
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**PCB-119**

201125K1\_8

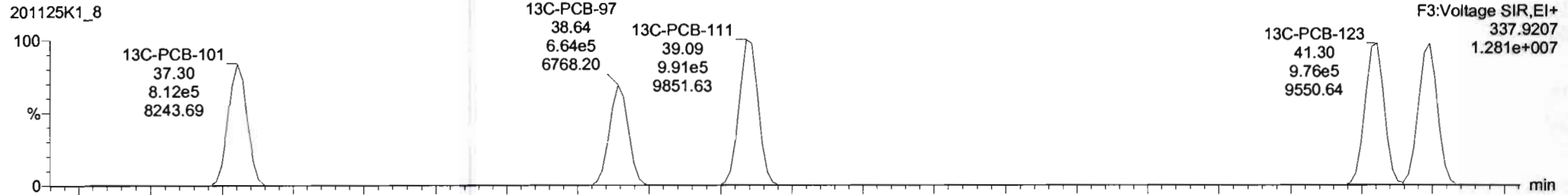


201125K1\_8

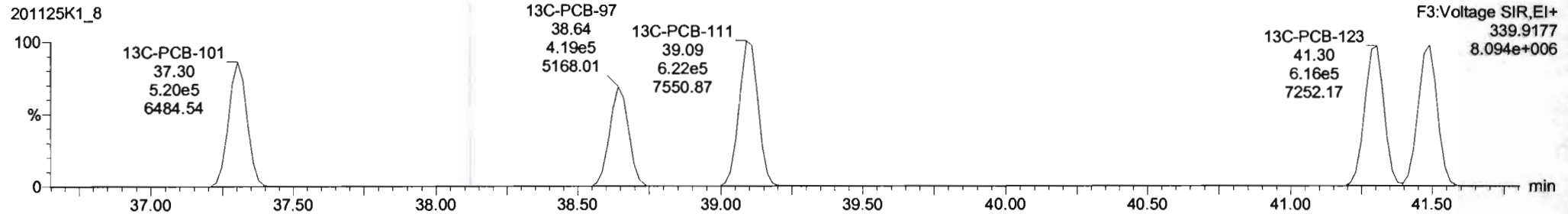


**13C-PCB-111**

201125K1\_8



201125K1\_8

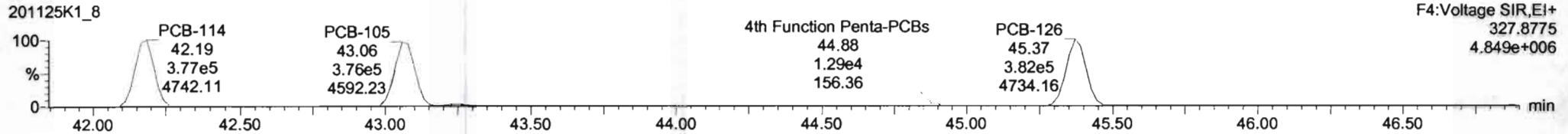
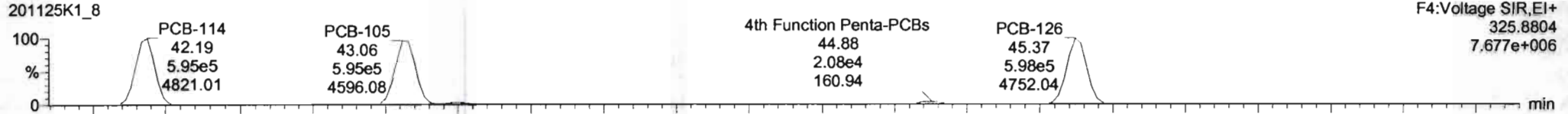


Dataset: Untitled

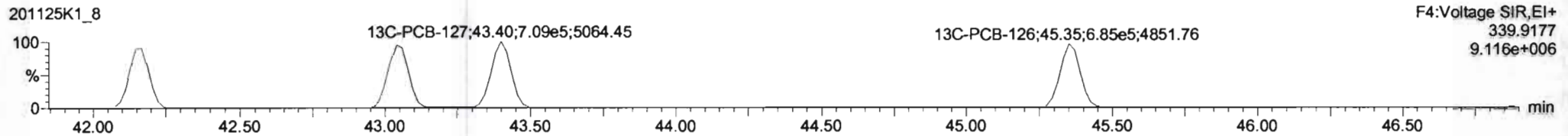
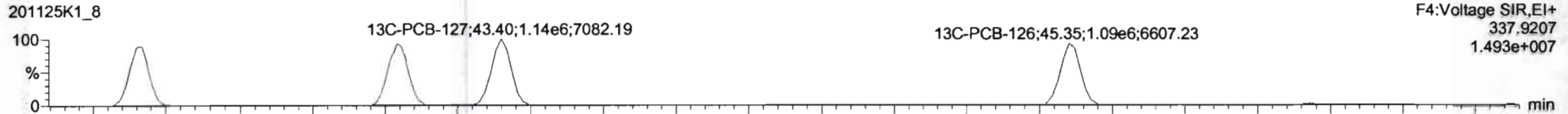
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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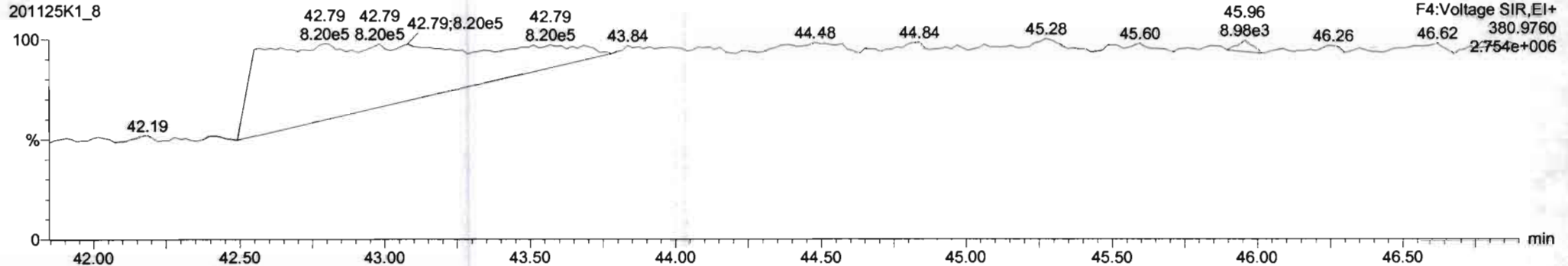
**PCB-114**



**13C-PCB-114**



**PFK4a**

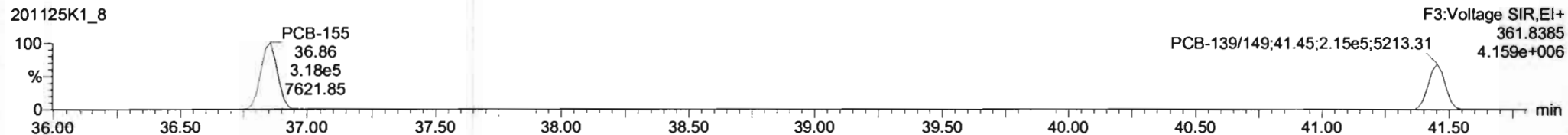
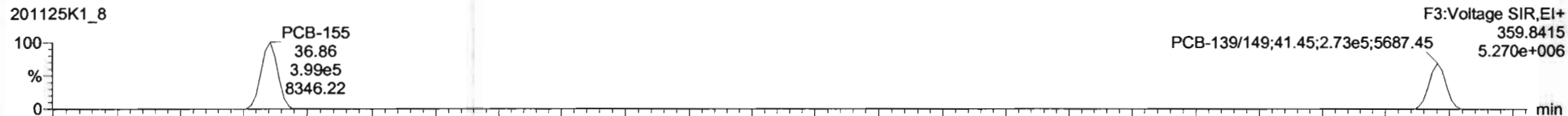


Dataset: Untitled

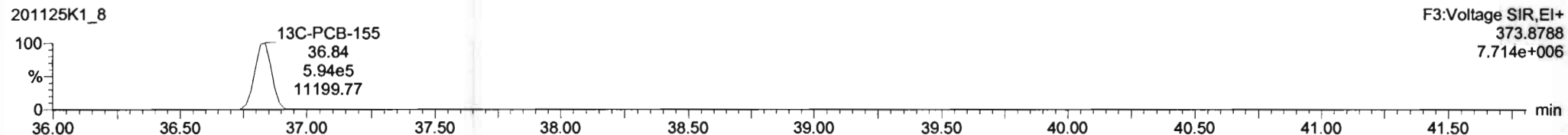
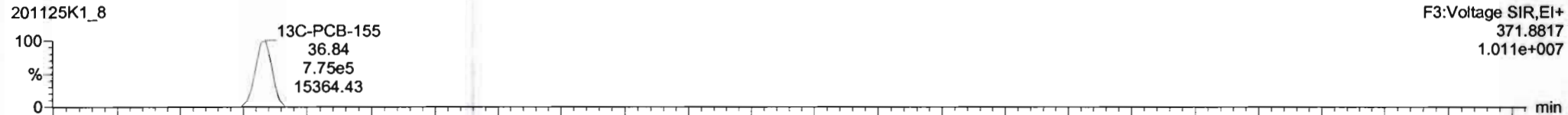
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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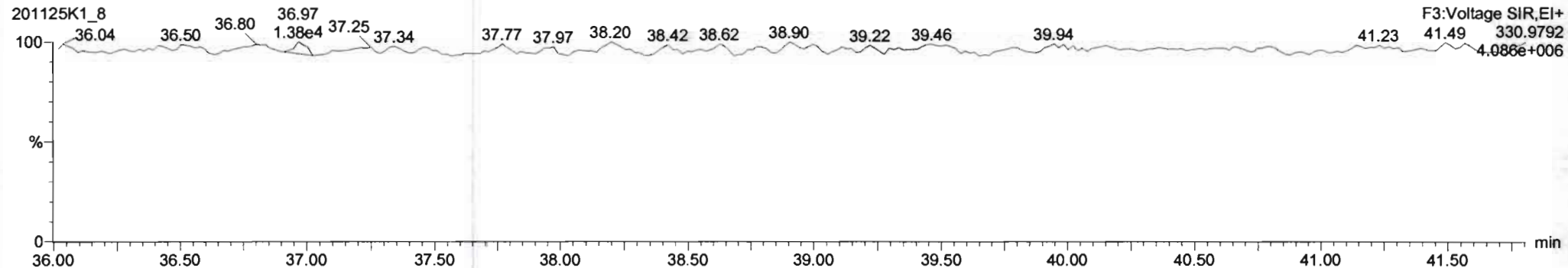
**PCB-155**



**13C-PCB-155**



**PFK3c**

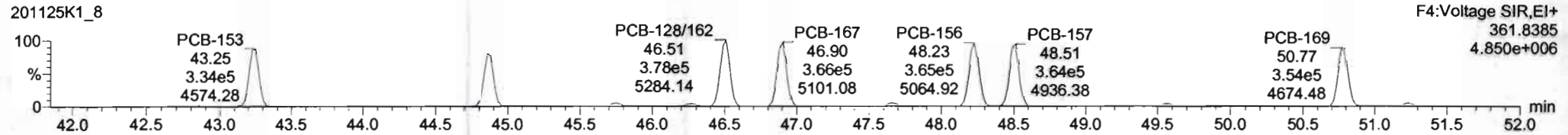
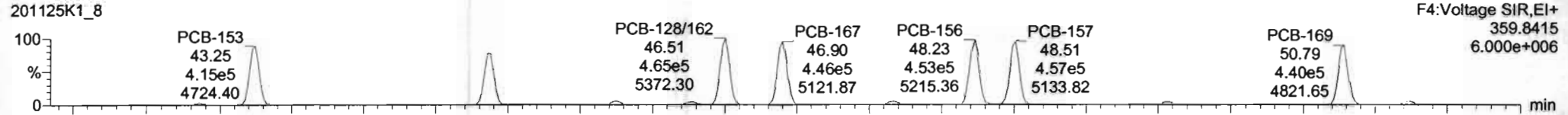


Dataset: Untitled

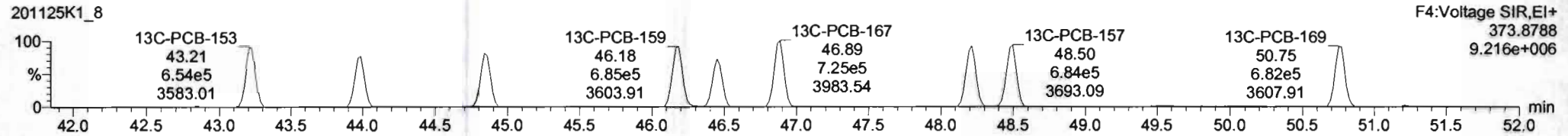
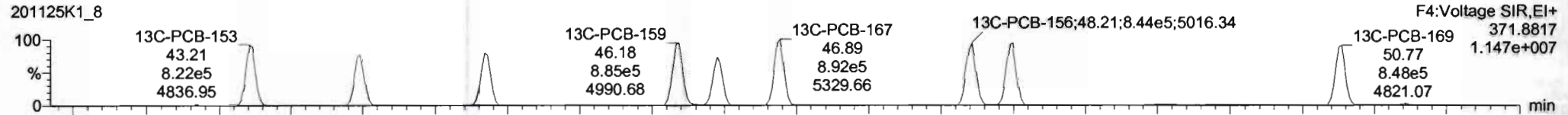
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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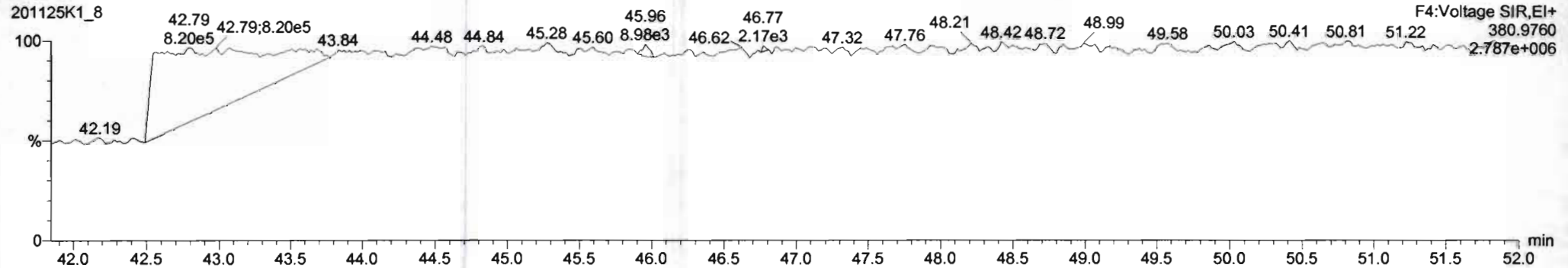
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

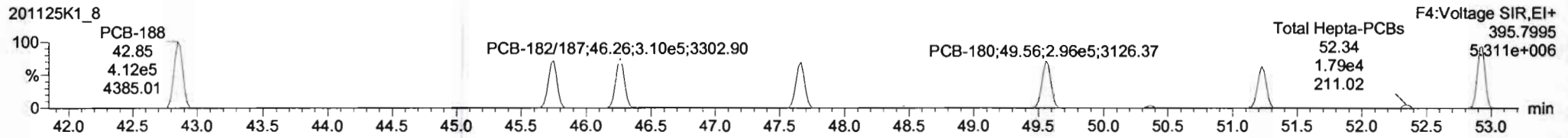
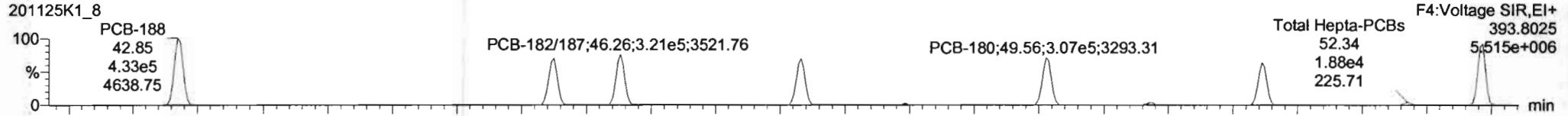


Dataset: Untitled

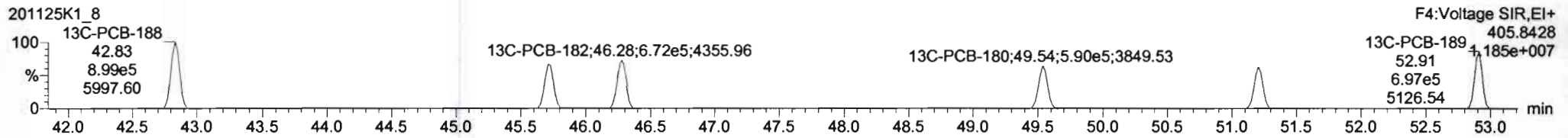
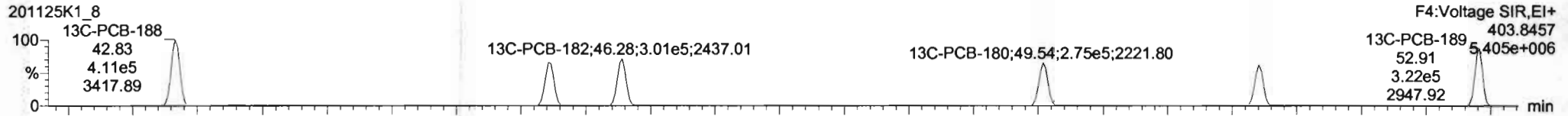
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

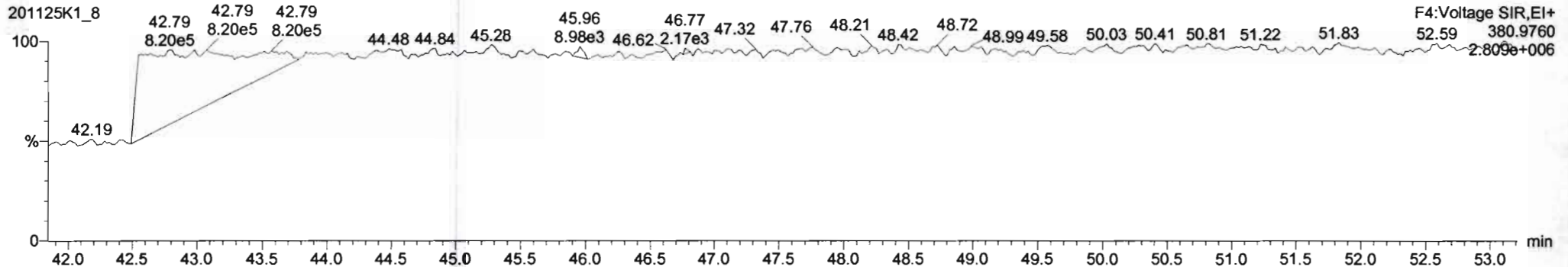
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

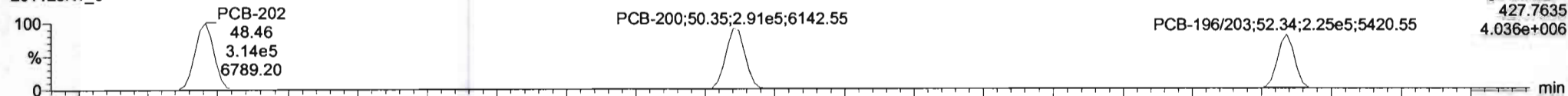
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

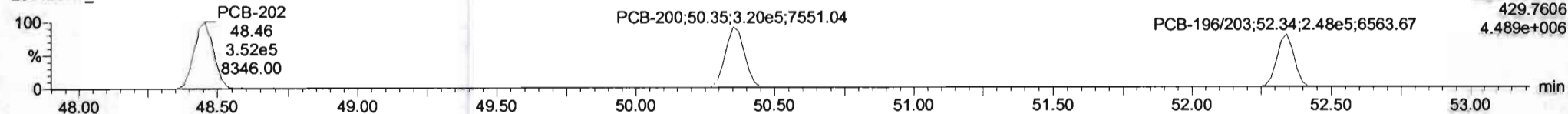
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**PCB-202**

201125K1\_8



201125K1\_8

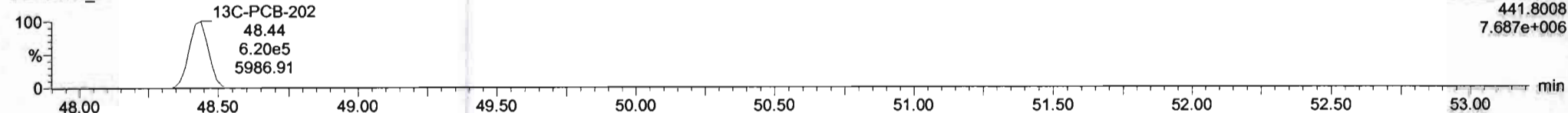


**13C-PCB-202**

201125K1\_8

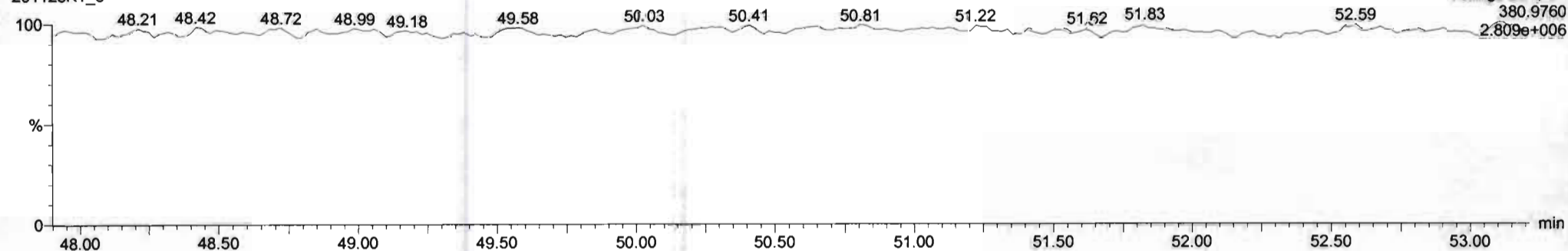


201125K1\_8



**PFK4d**

201125K1\_8



Dataset: Untitled

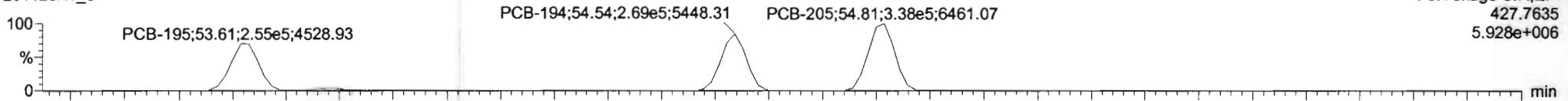
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

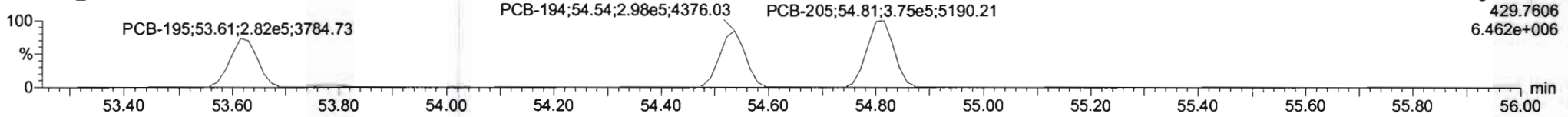
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**PCB-195**

201125K1\_8

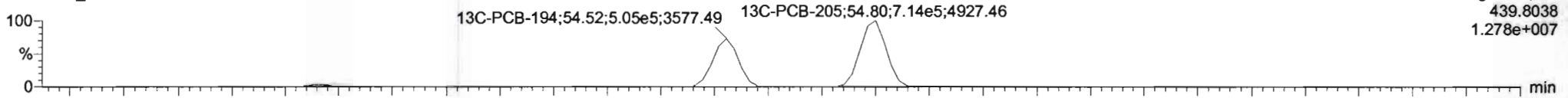


201125K1\_8

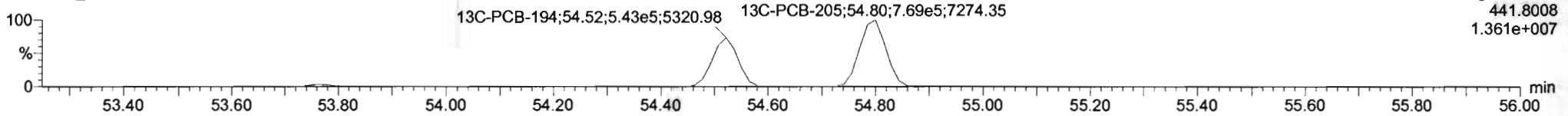


**13C-PCB-194**

201125K1\_8

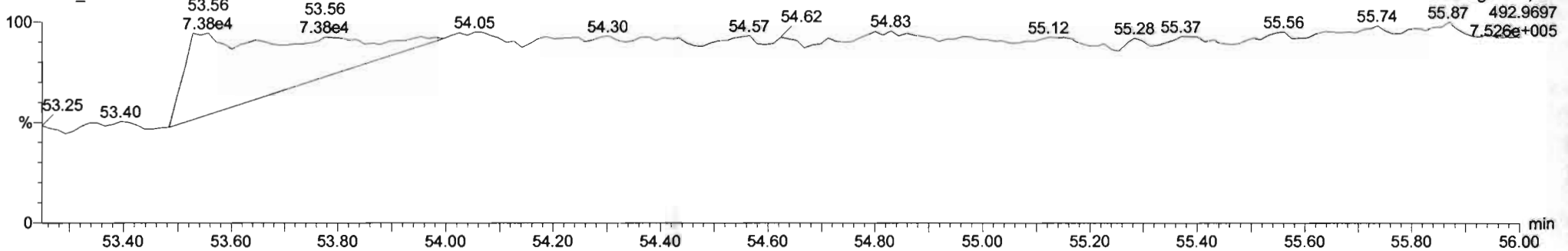


201125K1\_8



**PFK5a**

201125K1\_8





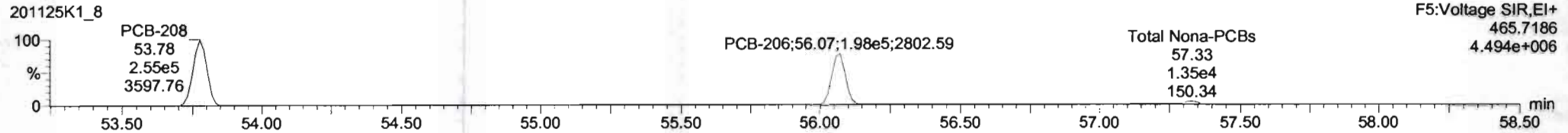
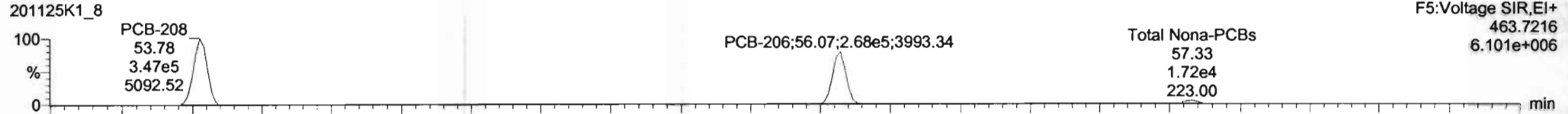
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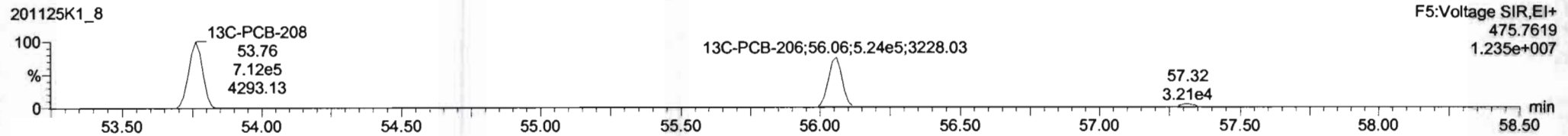
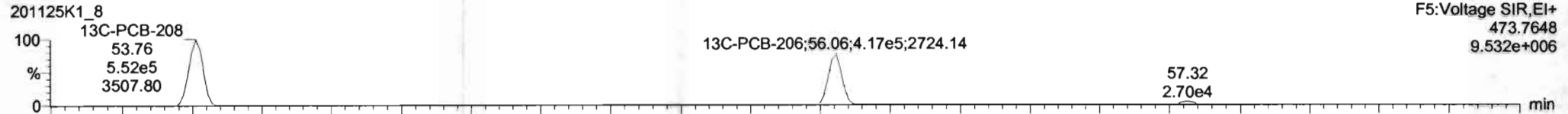
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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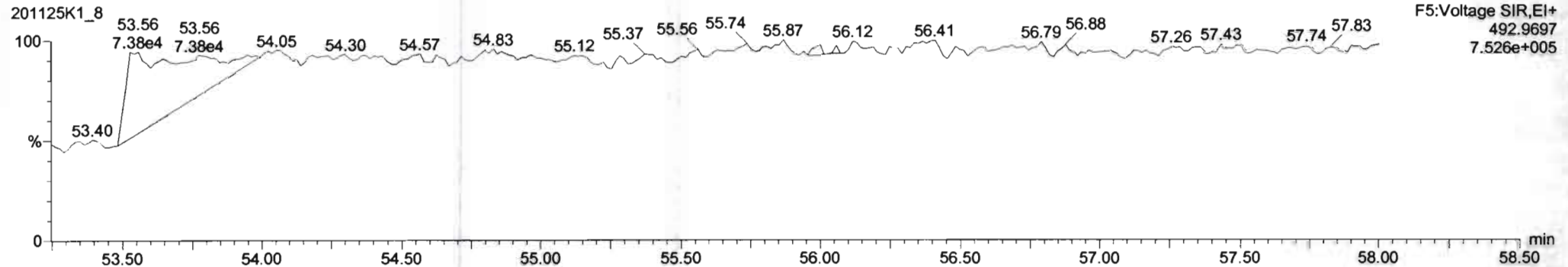
**PCB-208**



**13C-PCB-208**



**PFK5**



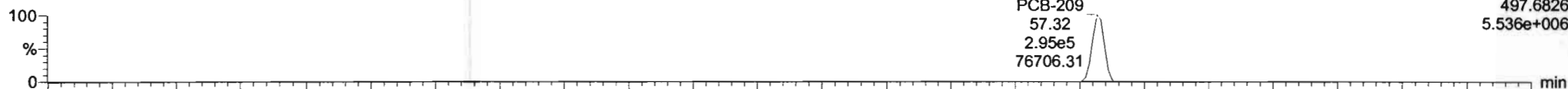
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_8, Date: 25-Nov-2020, Time: 16:54:25, ID: SS201125K1-1 PCB 209 SS 20J1220, Description: PCB 209 SS 20J1220

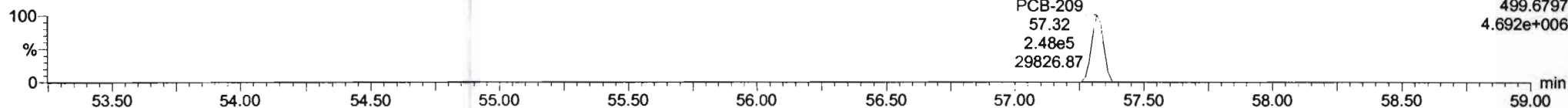
**PCB-209**

201125K1\_8



F5:Voltage SIR,EI+  
497.6826  
5.536e+006

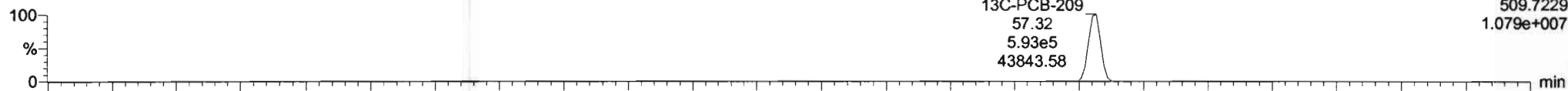
201125K1\_8



F5:Voltage SIR,EI+  
499.6797  
4.692e+006

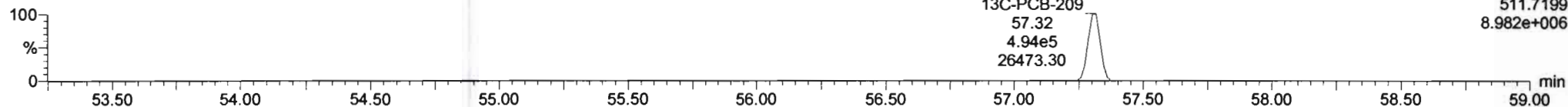
**13C-PCB-209**

201125K1\_8



F5:Voltage SIR,EI+  
509.7229  
1.079e+007

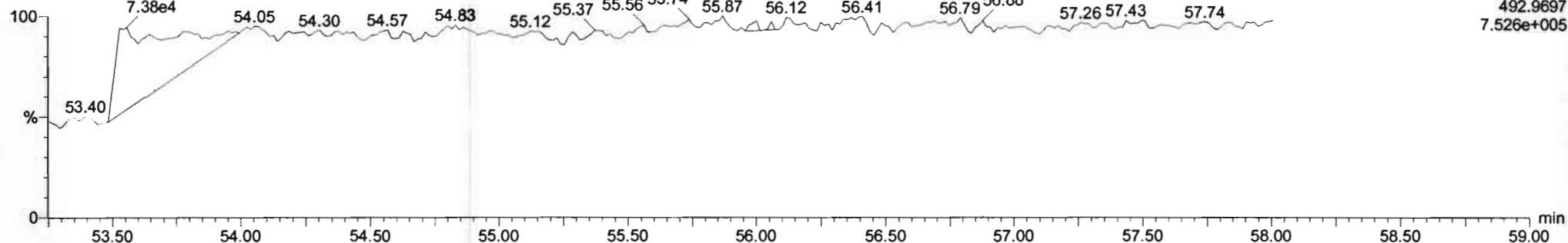
201125K1\_8



F5:Voltage SIR,EI+  
511.7199  
8.982e+006

**PFK5b**

201125K1\_8



F5:Voltage SIR,EI+  
492.9697  
7.526e+005

Dataset: Untitled

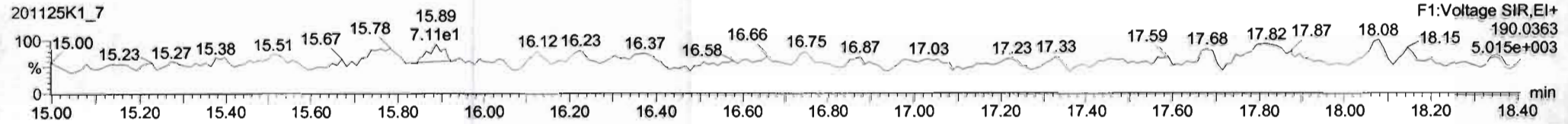
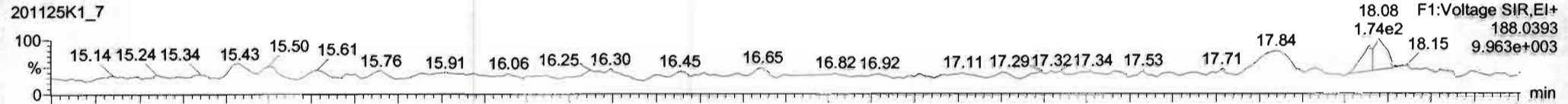
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

*HZ* *11-25-2020* *GRB 11/26/2020*

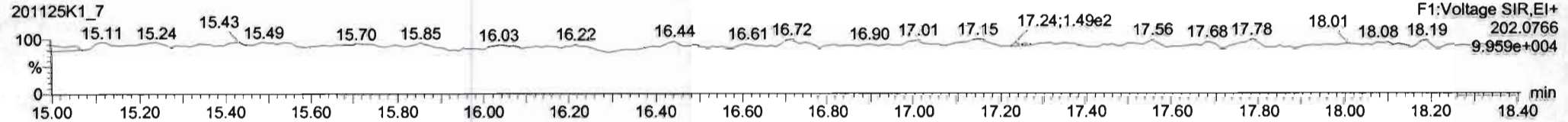
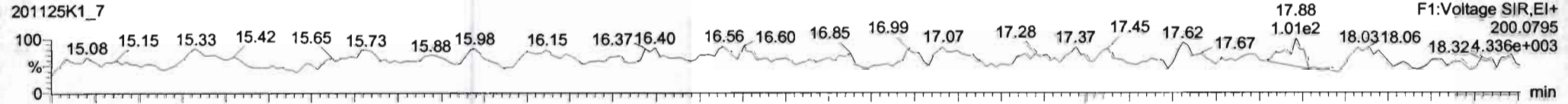
Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201125K1\_7, Date: 25-Nov-2020, Time: 15:49:32, ID: SOLVENT BLANK, Description: SOLVENT BLANK

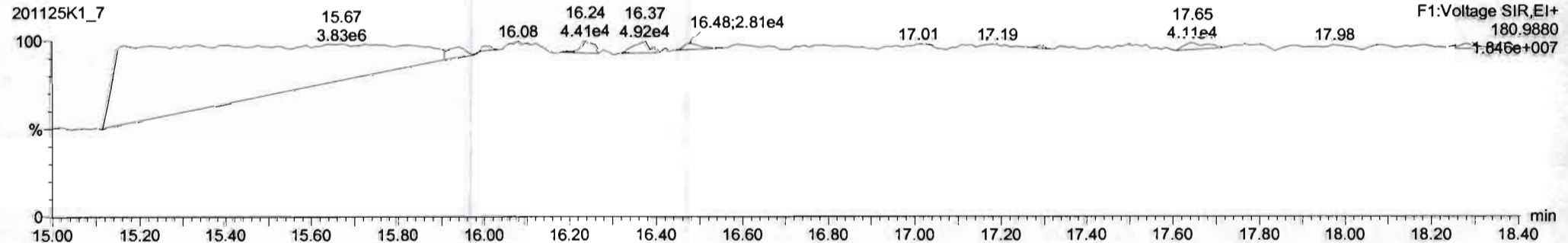
**PCB-1**



**13C-PCB-1**



**PFK1**



Dataset: Untitled

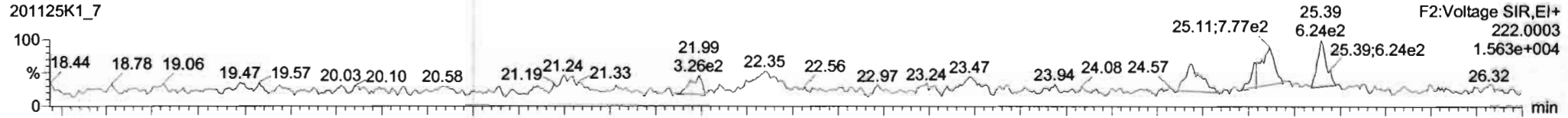
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

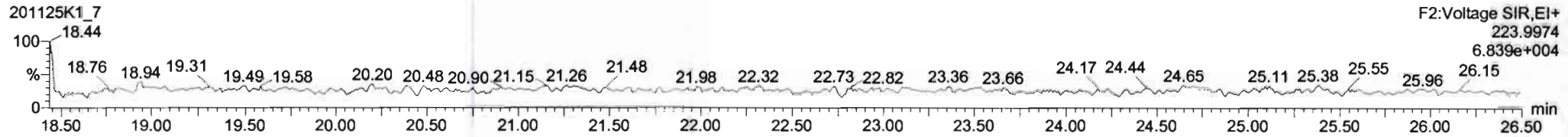
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**PCB-4/10**

201125K1\_7

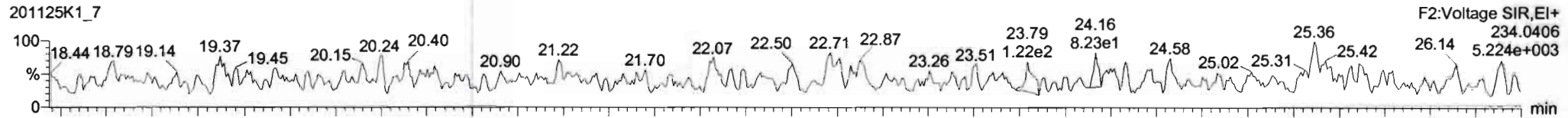


201125K1\_7

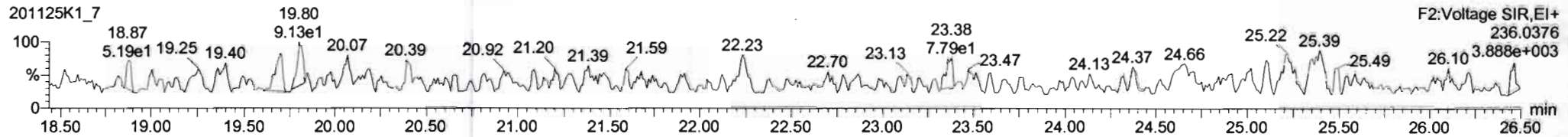


**13C-PCB-4**

201125K1\_7

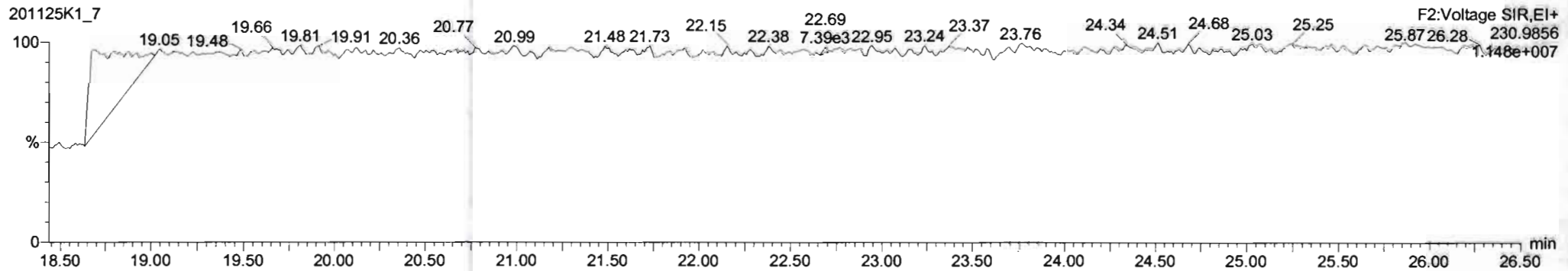


201125K1\_7



**PFK2a**

201125K1\_7



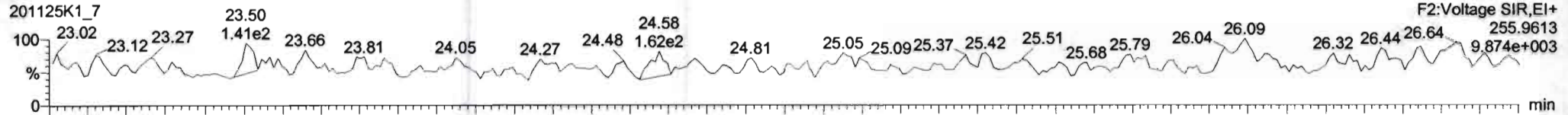
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

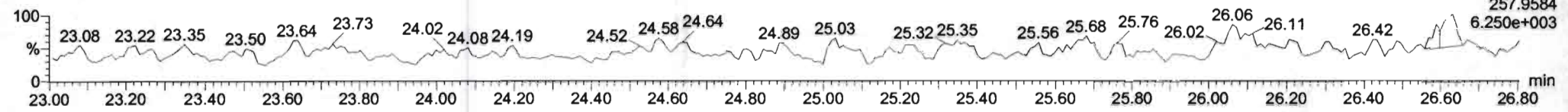
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_7, Date: 25-Nov-2020, Time: 15:49:32, ID: SOLVENT BLANK, Description: SOLVENT BLANK

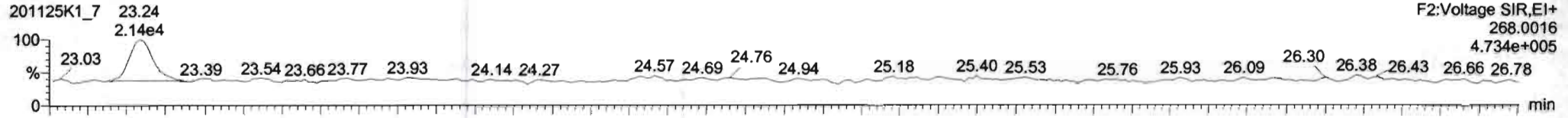
**PCB-19**



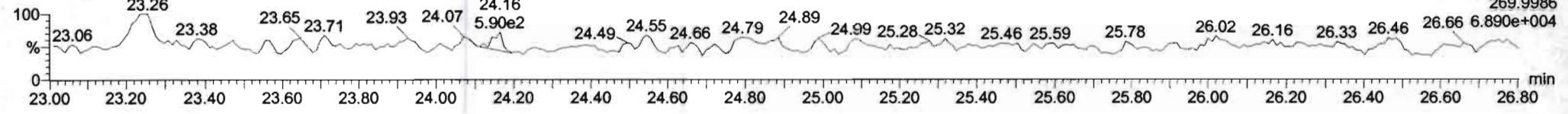
**PCB-19**



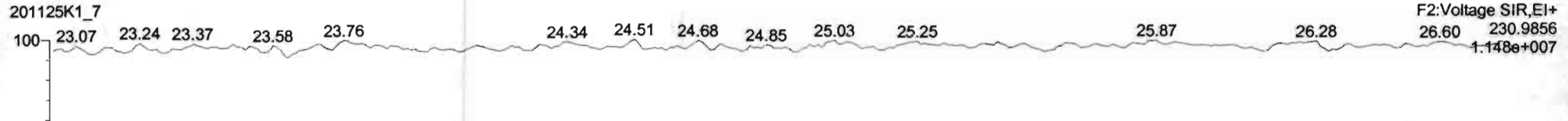
**13C-PCB-19**



**PCB-19**



**PFK2b**



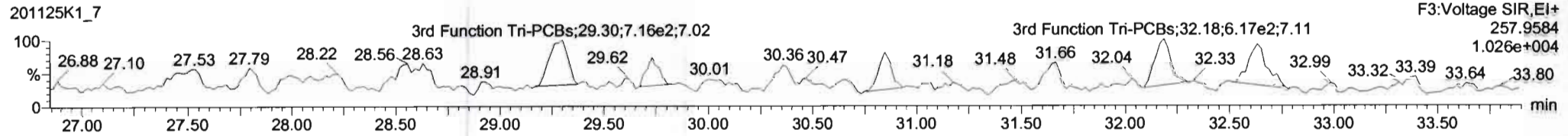
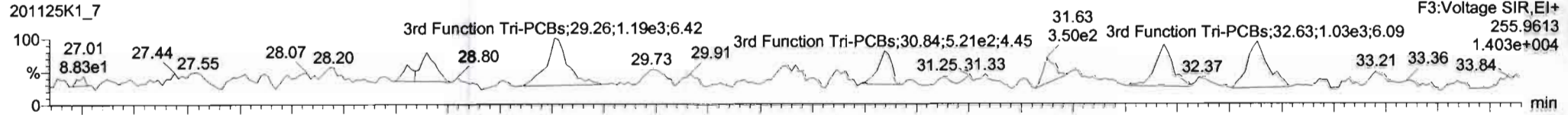
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

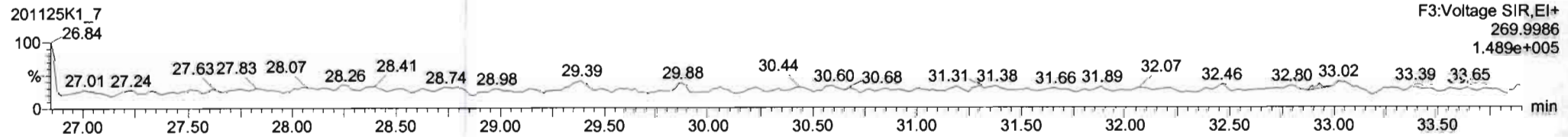
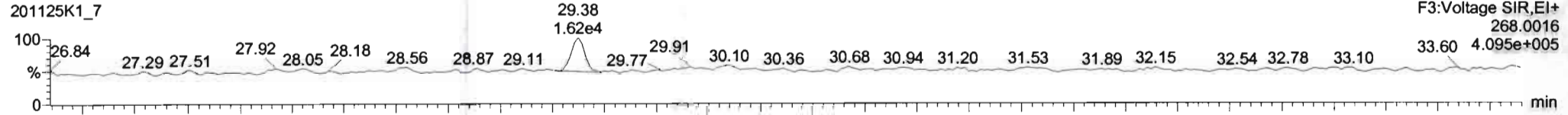
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_7, Date: 25-Nov-2020, Time: 15:49:32, ID: SOLVENT BLANK, Description: SOLVENT BLANK

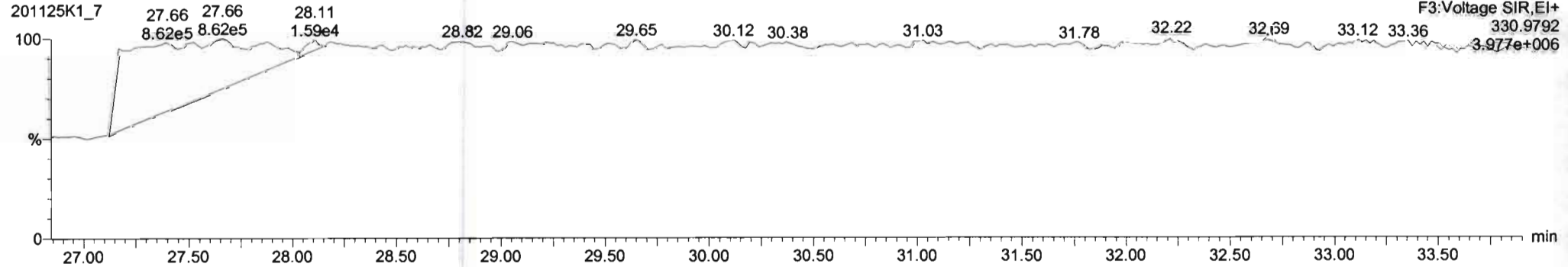
**PCB-34**



**13C-PCB-28**



**PFK3d**



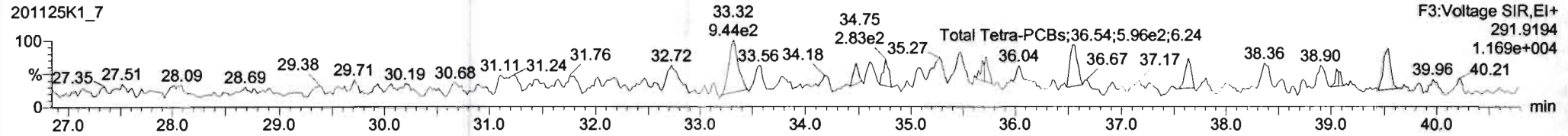
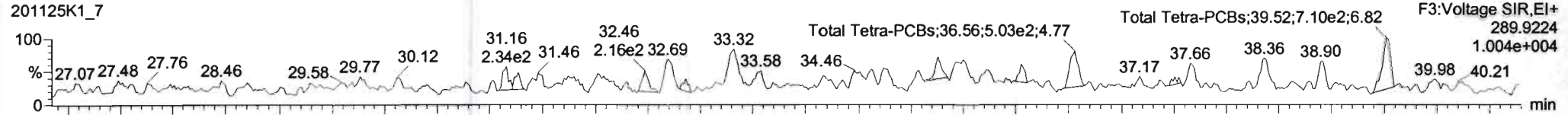
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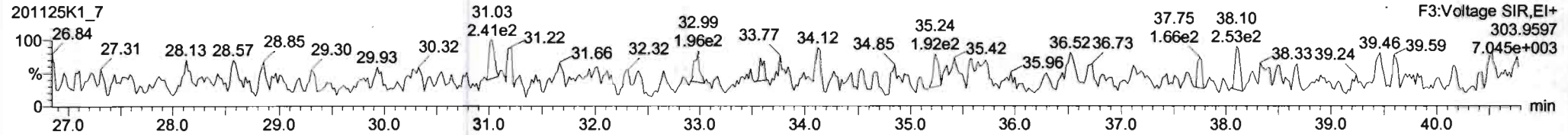
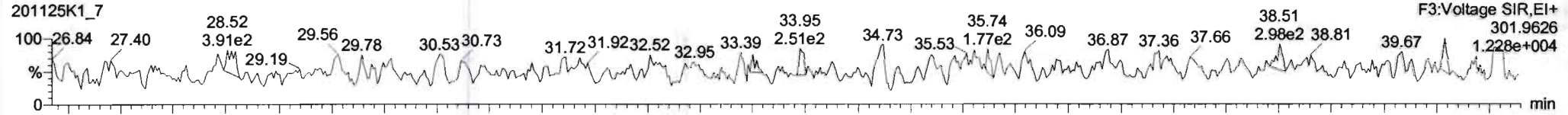
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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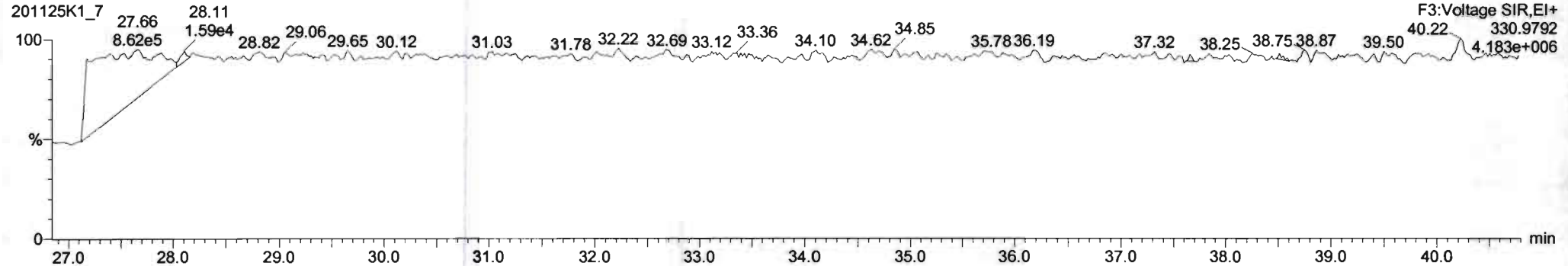
PCB-54



13C-PCB-54



PFK3a



Dataset: Untitled

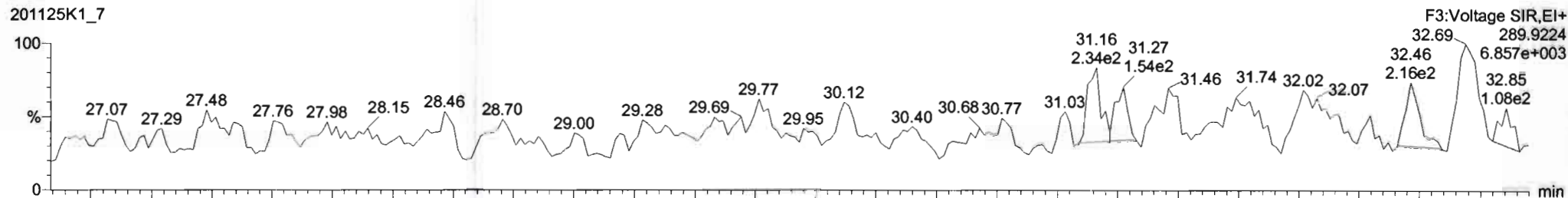
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

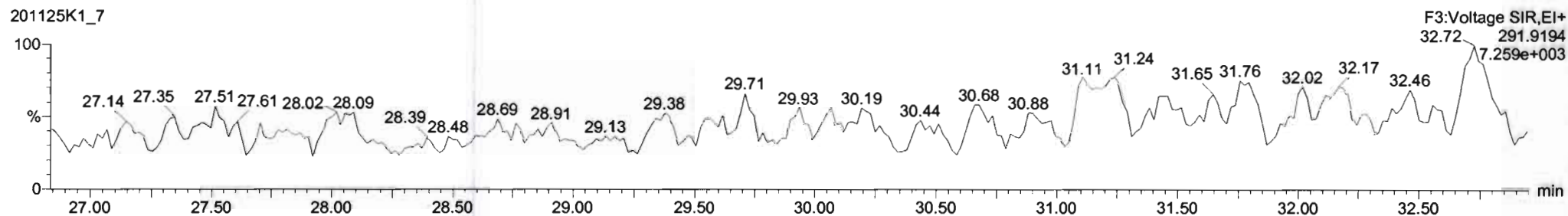
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PCB-50

201125K1\_7

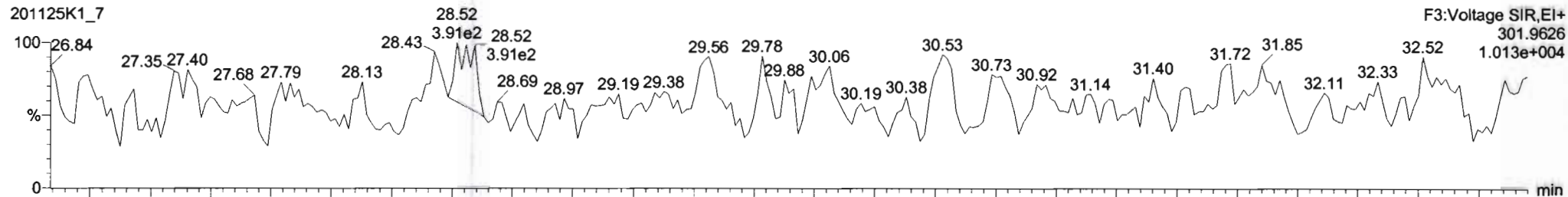


201125K1\_7

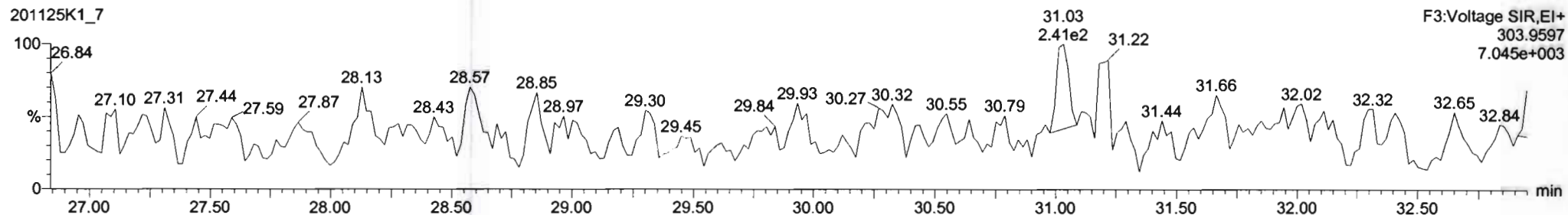


13C-PCB-52

201125K1\_7



201125K1\_7





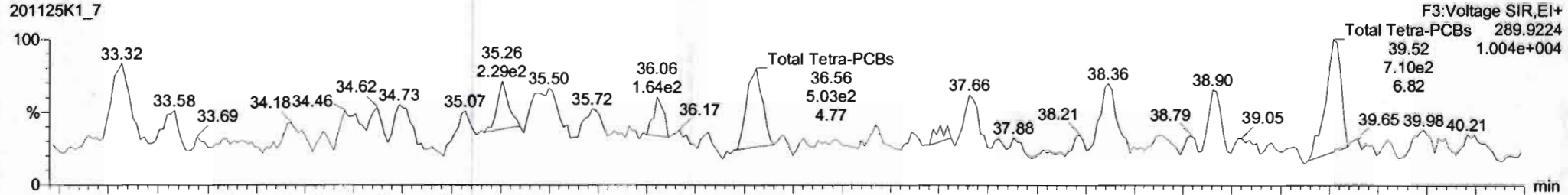
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

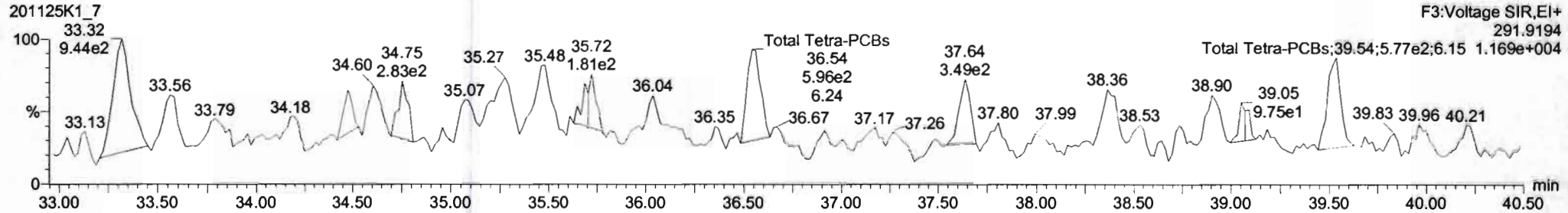
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PCB-68

201125K1\_7

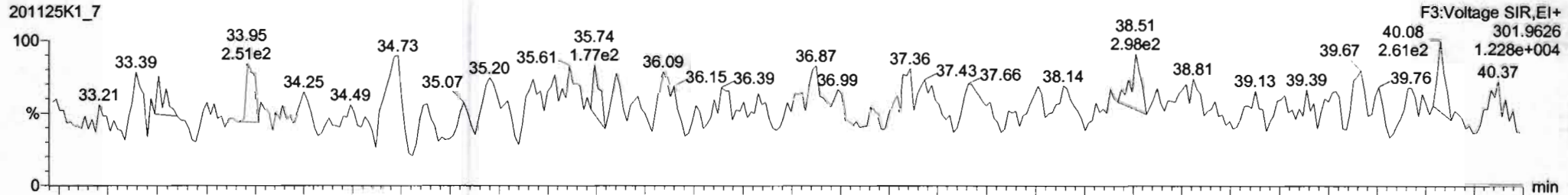


201125K1\_7

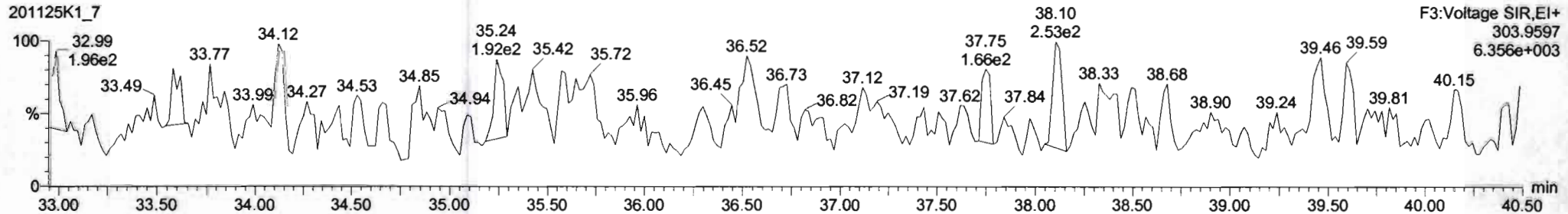


13C-PCB-60

201125K1\_7



201125K1\_7



Dataset: Untitled

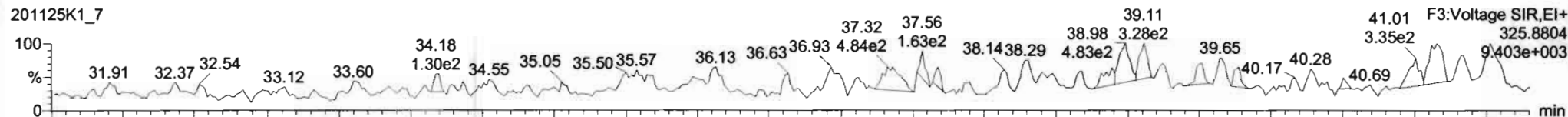
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

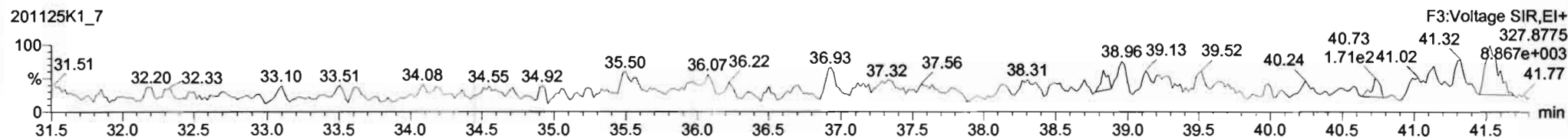
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**PCB-104**

201125K1\_7

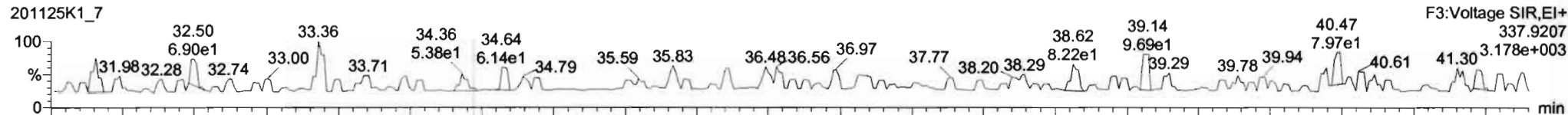


201125K1\_7

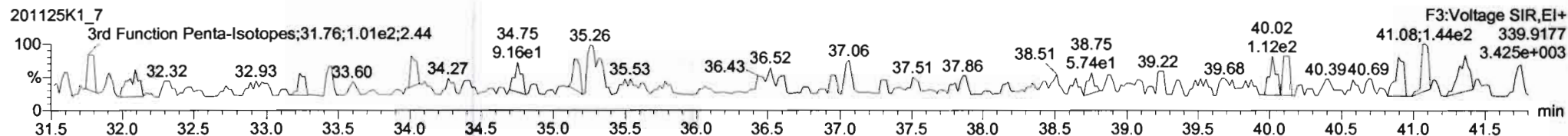


**13C-PCB-104**

201125K1\_7

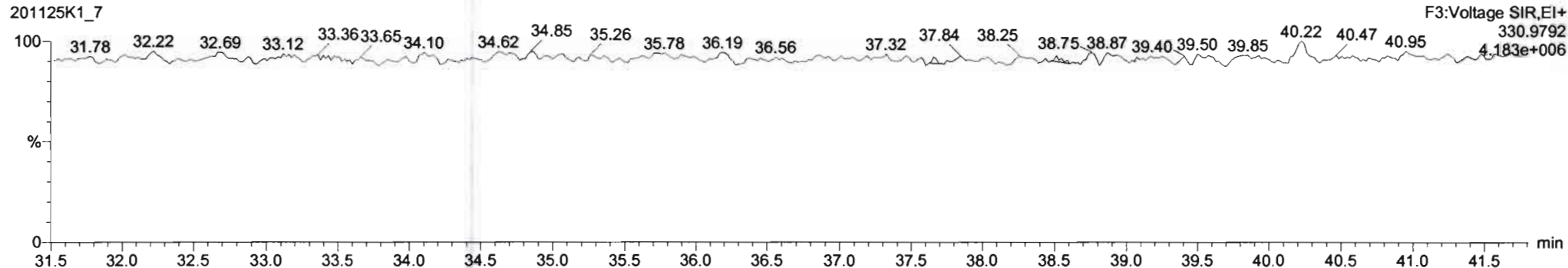


201125K1\_7



**PFK3b**

201125K1\_7



Dataset: Untitled

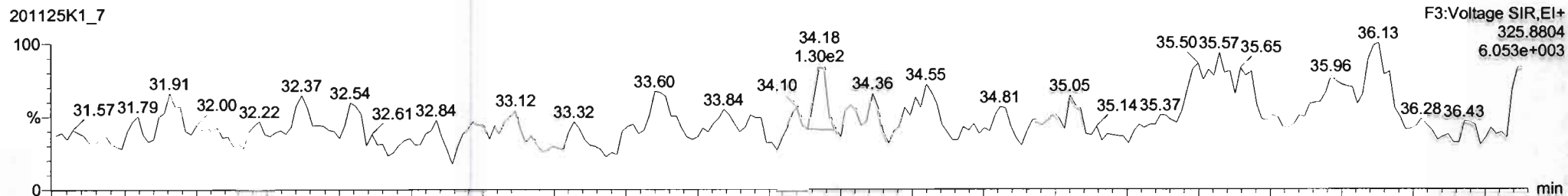
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

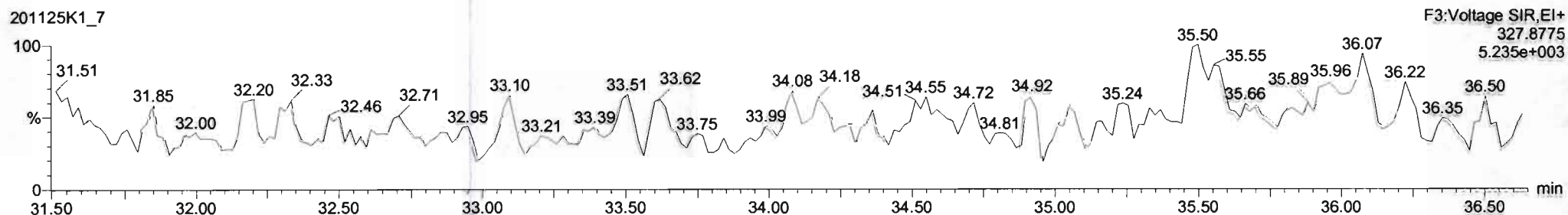
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PCB-96

201125K1\_7

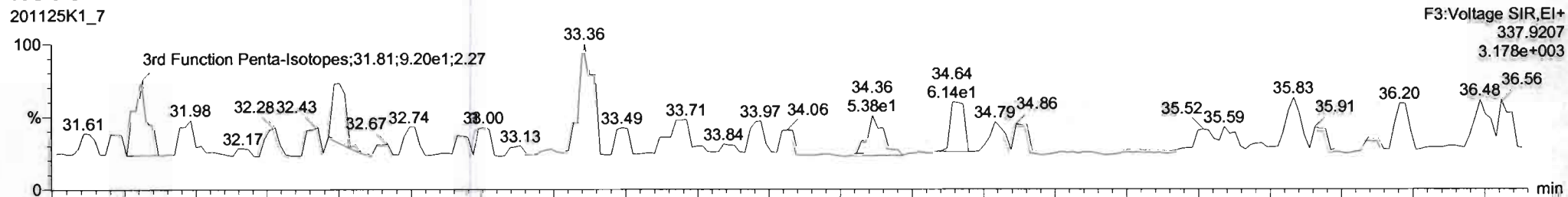


201125K1\_7

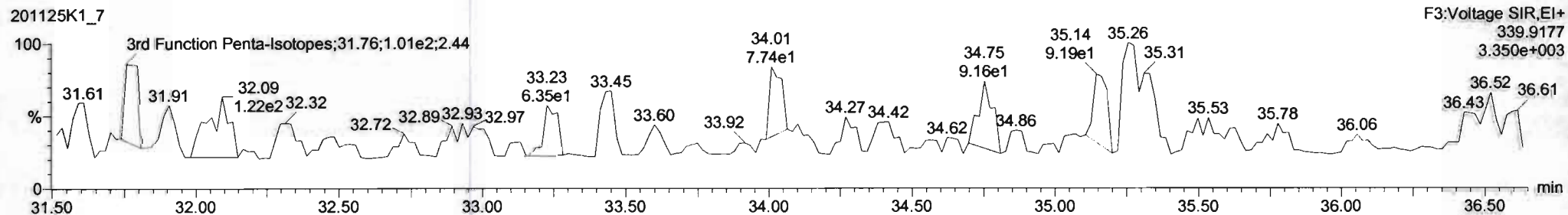


13C-PCB-95

201125K1\_7



201125K1\_7



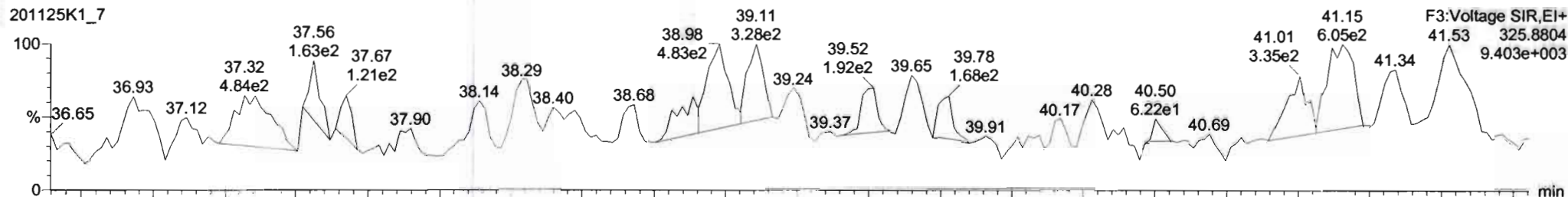
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

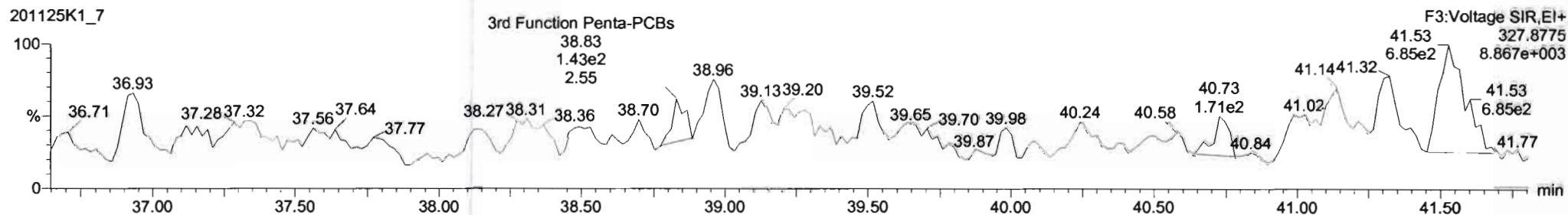
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PCB-119

201125K1\_7

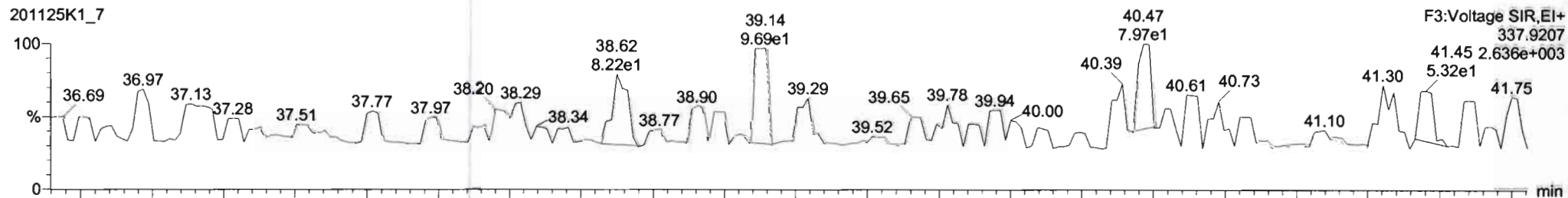


201125K1\_7

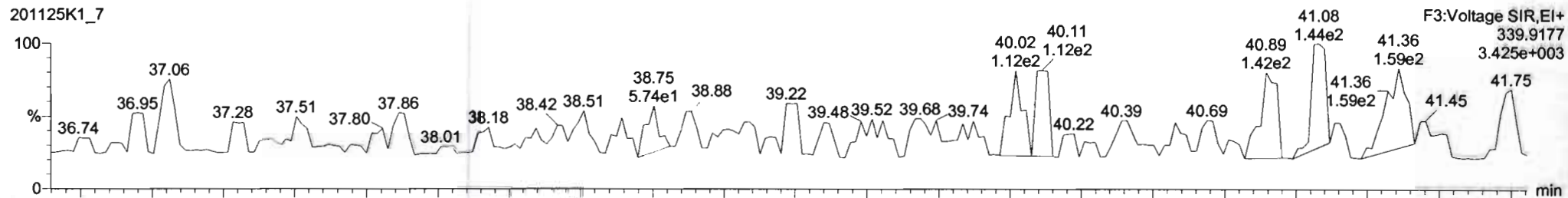


13C-PCB-111

201125K1\_7



201125K1\_7

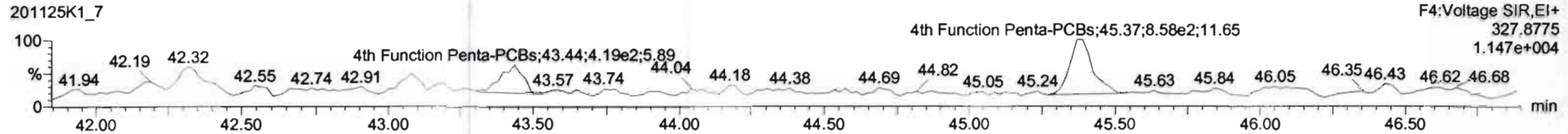
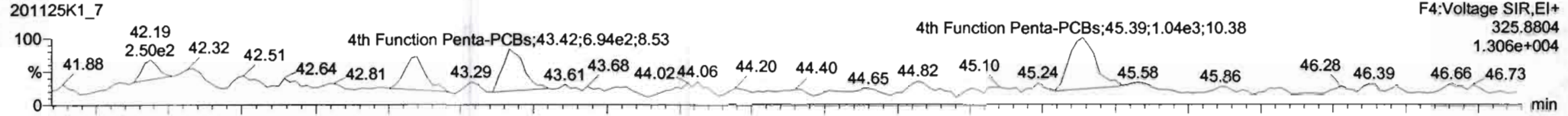


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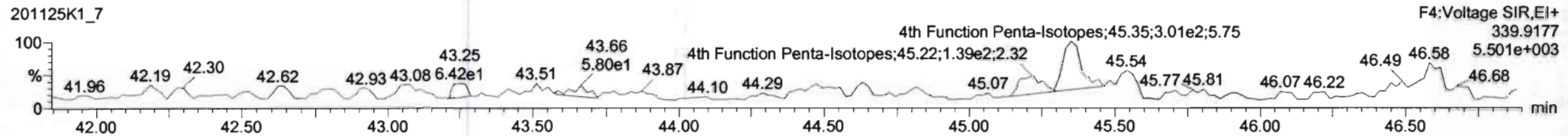
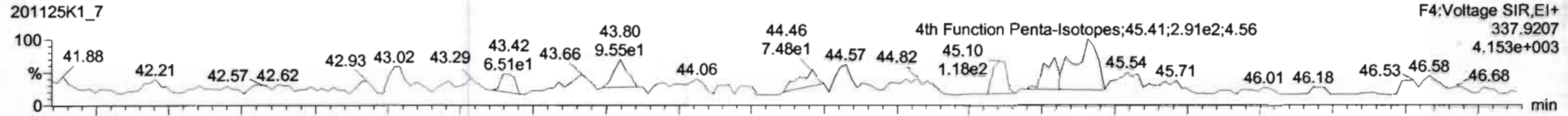
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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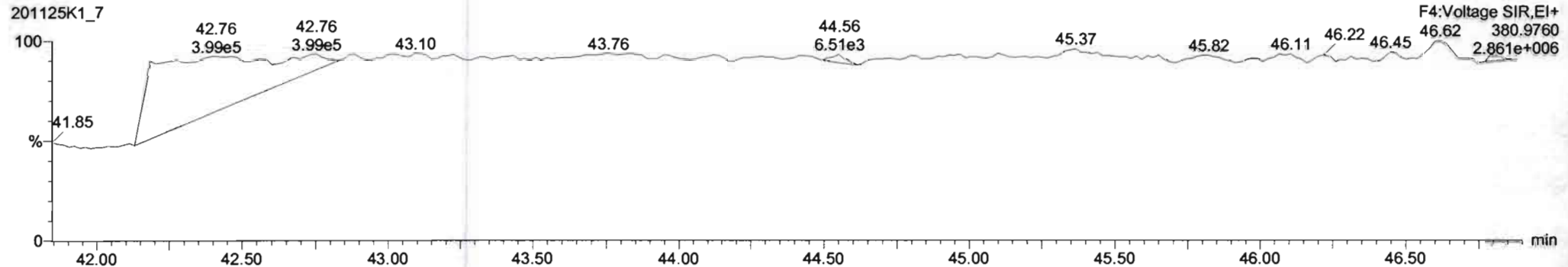
**PCB-114**



**13C-PCB-114**



**PFK4a**



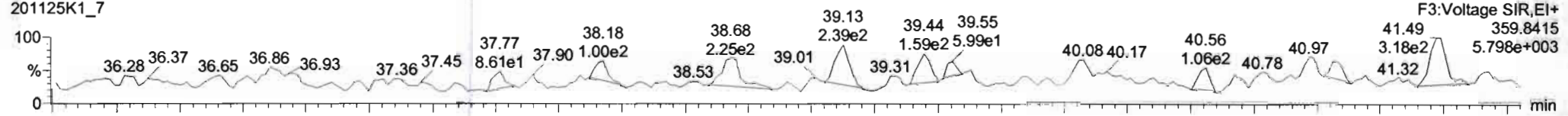
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

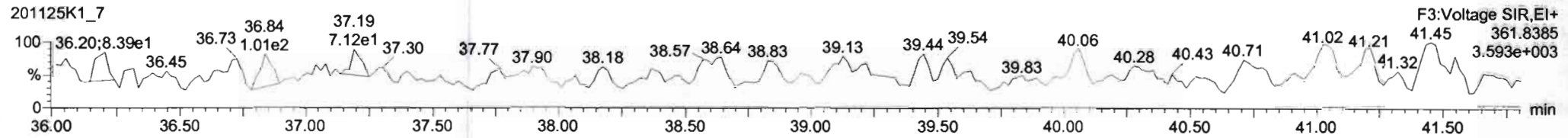
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**PCB-155**

201125K1\_7

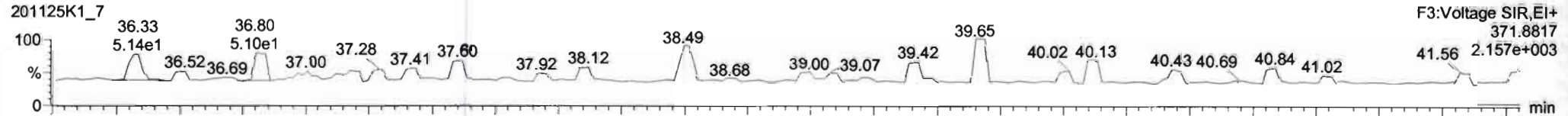


201125K1\_7

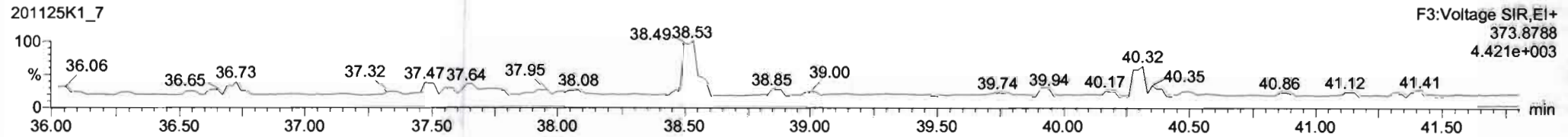


**13C-PCB-155**

201125K1\_7

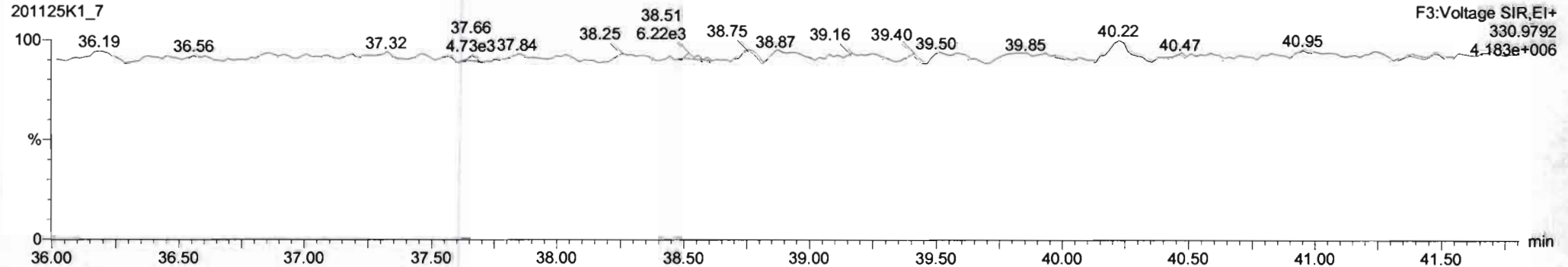


201125K1\_7



**PFK3c**

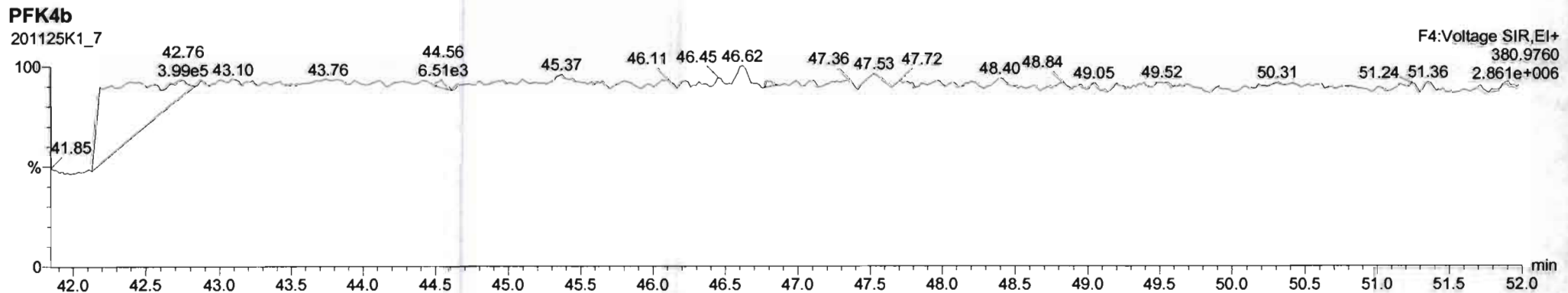
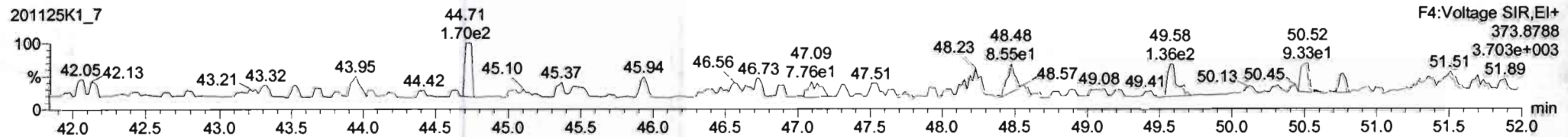
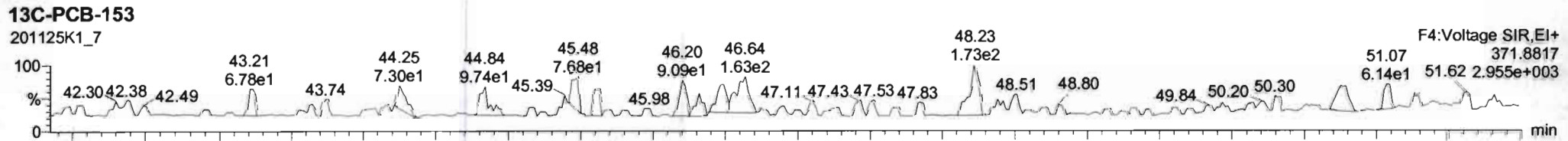
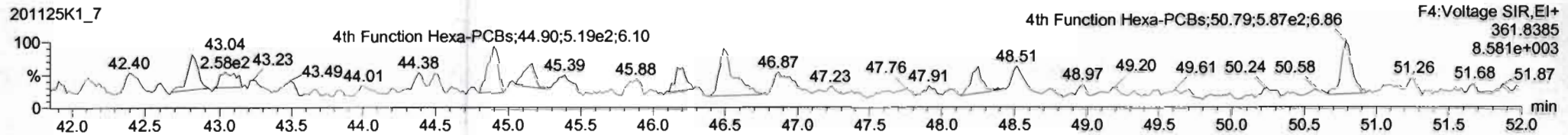
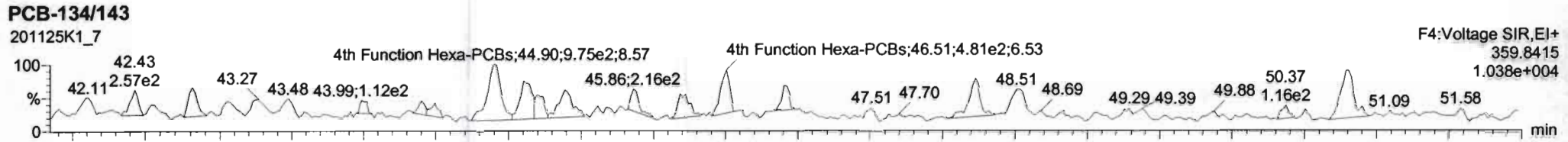
201125K1\_7



Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
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Dataset: Untitled

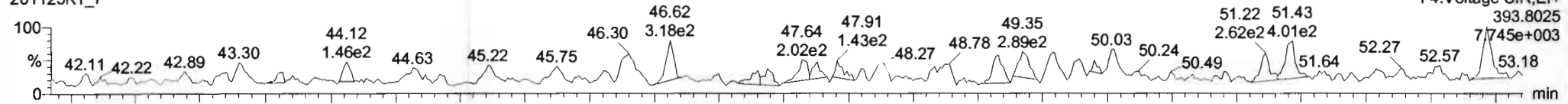
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

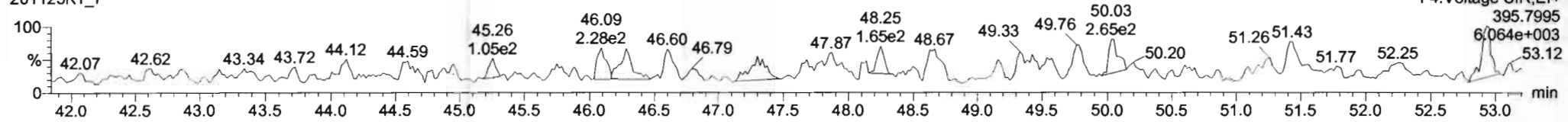
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**PCB-188**

201125K1\_7

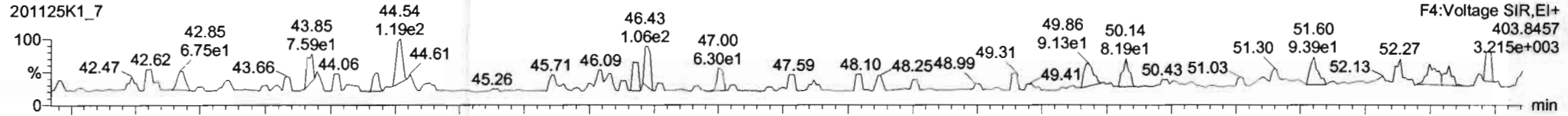


201125K1\_7

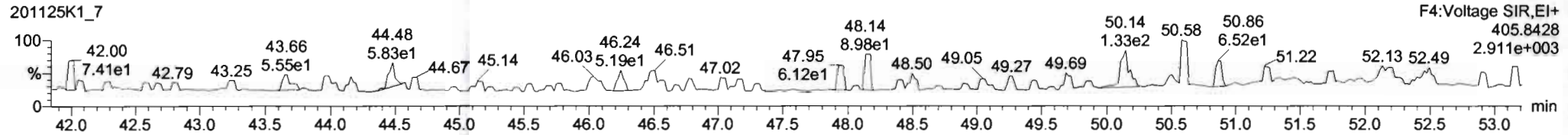


**13C-PCB-188**

201125K1\_7

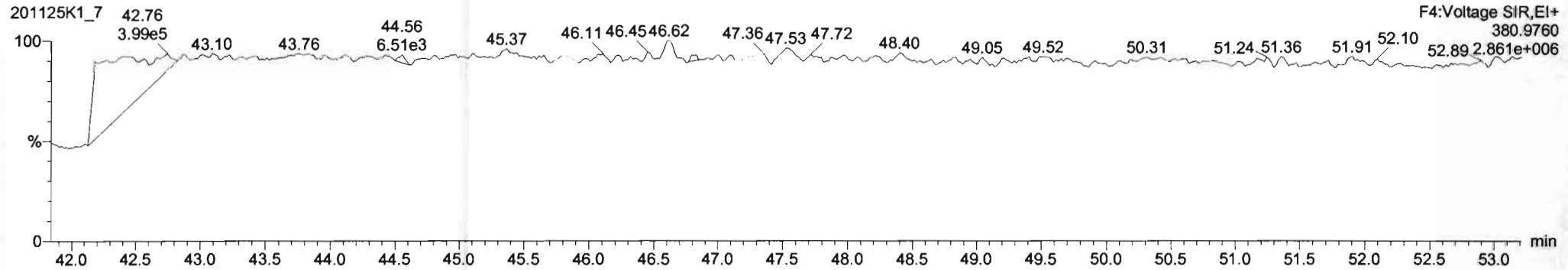


201125K1\_7



**PFK4c**

201125K1\_7





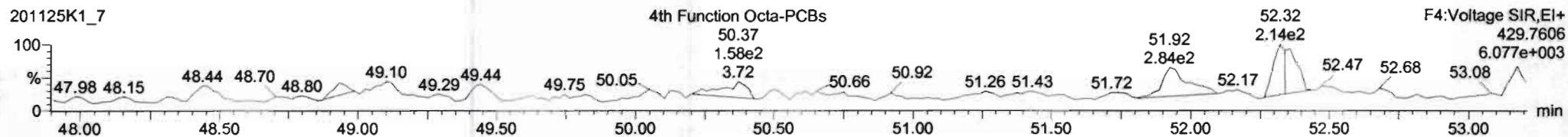
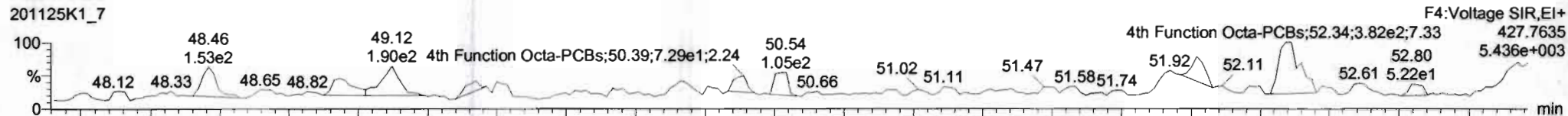
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

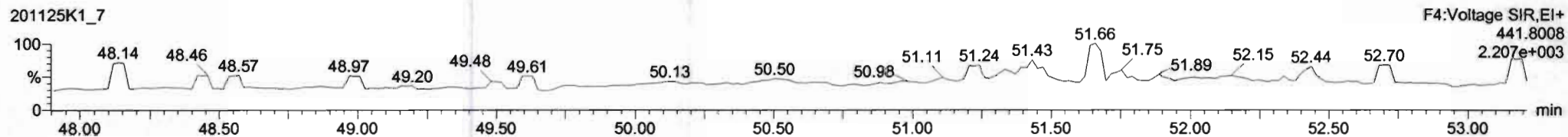
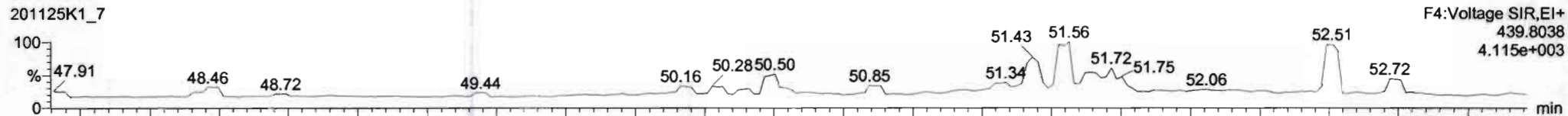
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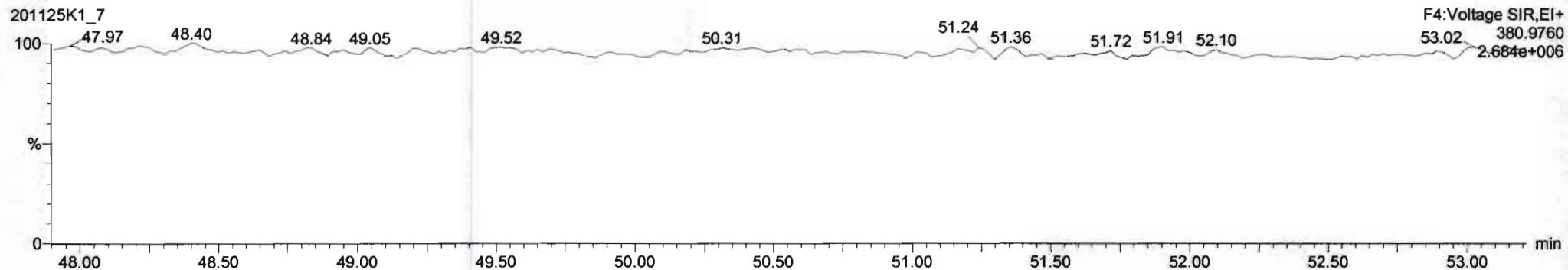
**PCB-202**



**13C-PCB-202**



**PFK4d**

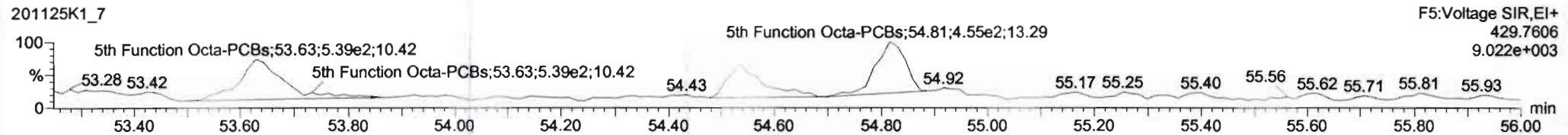
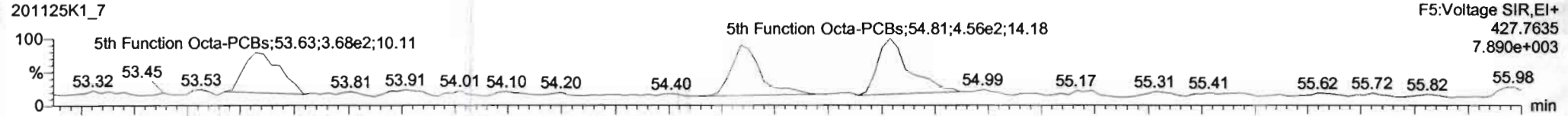


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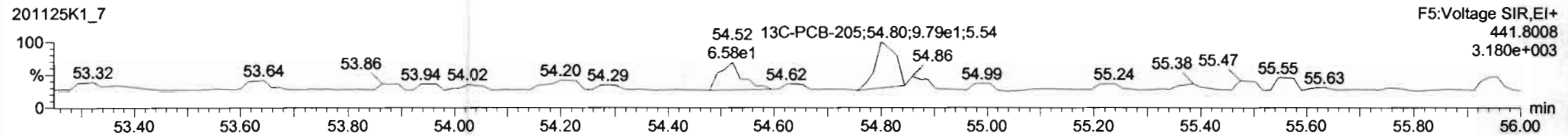
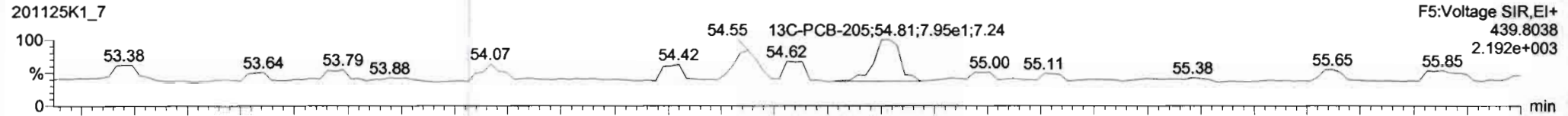
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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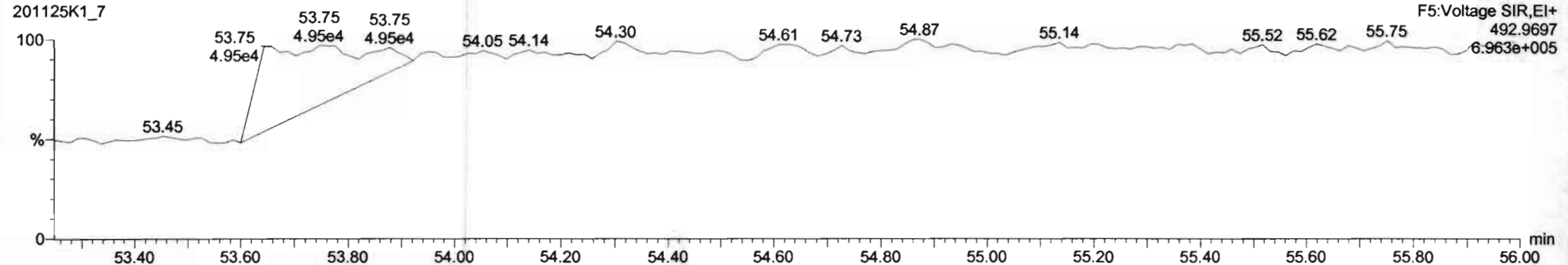
**PCB-195**



**13C-PCB-194**



**PFK5a**



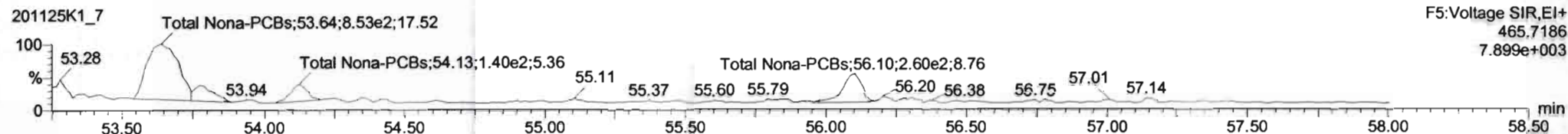
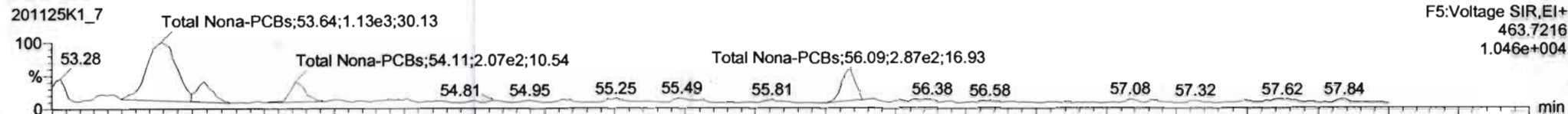
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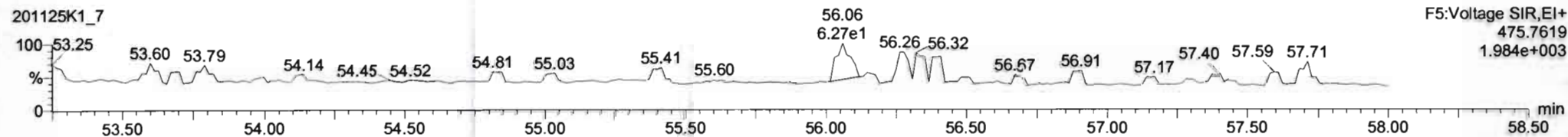
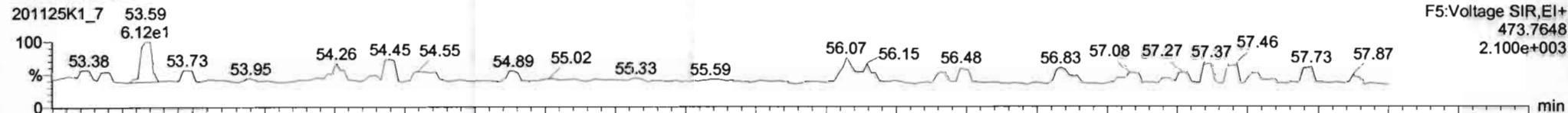
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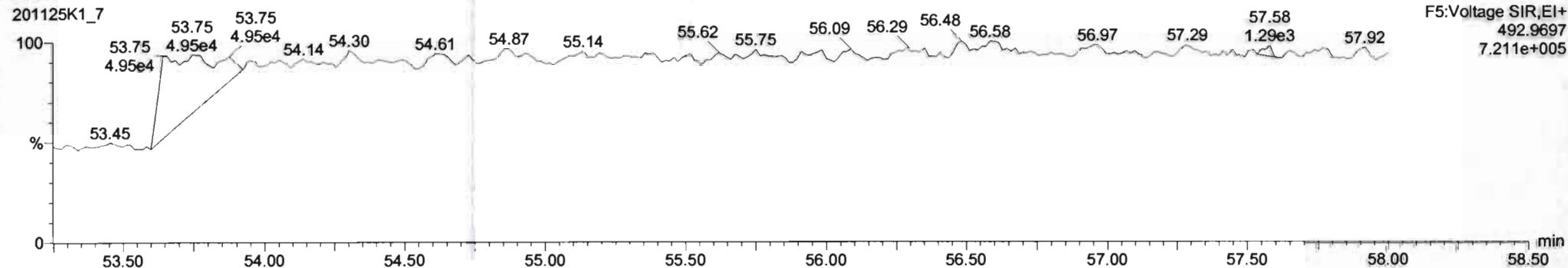
PCB-208



13C-PCB-208



PFK5



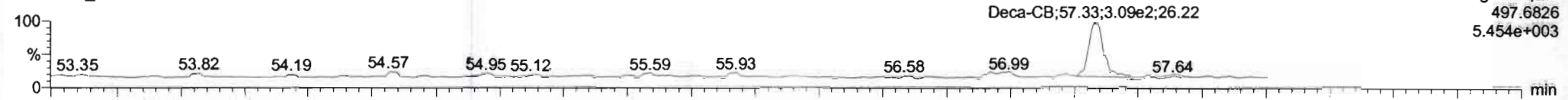
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

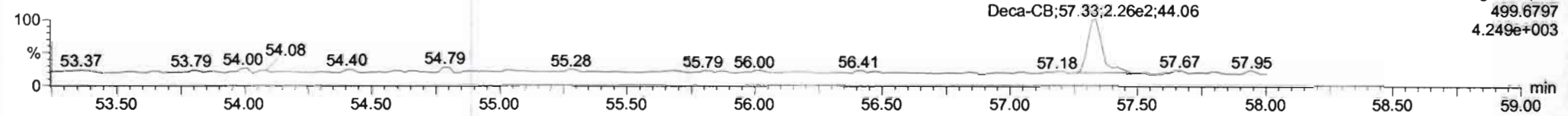
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**PCB-209**

201125K1\_7

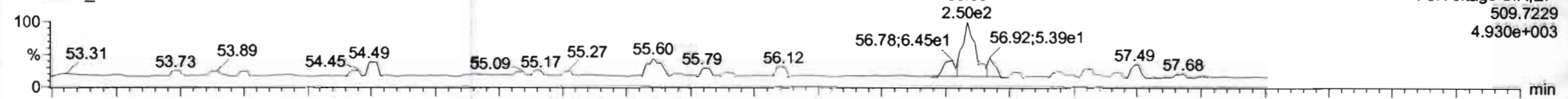


201125K1\_7

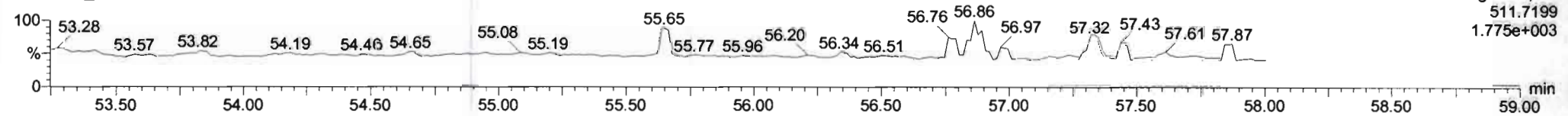


**13C-PCB-209**

201125K1\_7

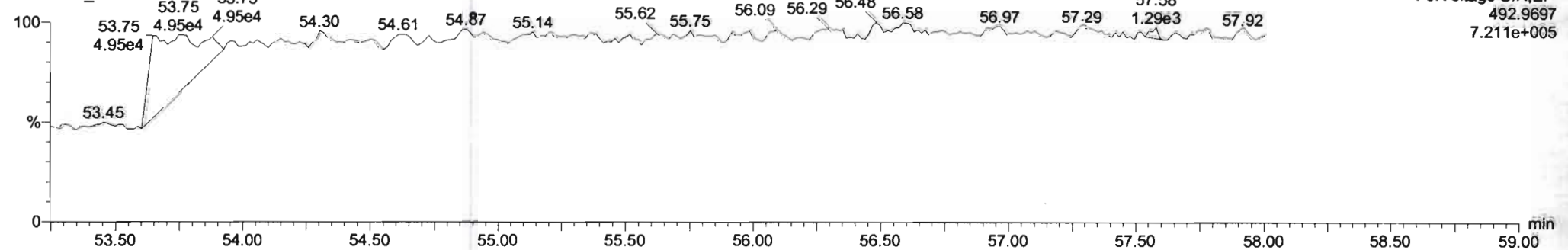


201125K1\_7



**PFK5b**

201125K1\_7



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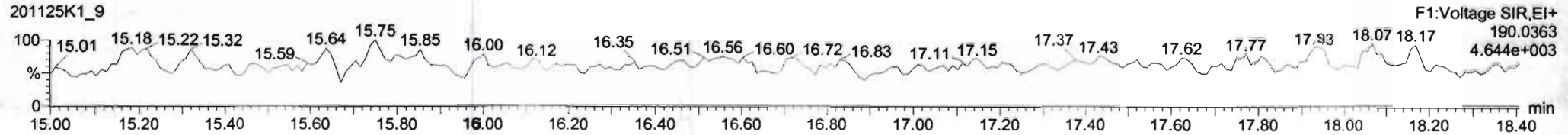
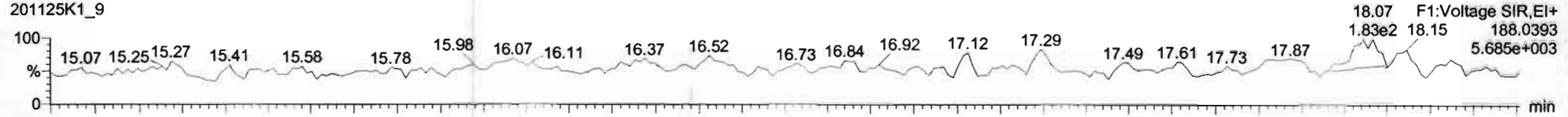
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

*HZ 11.26.2020*

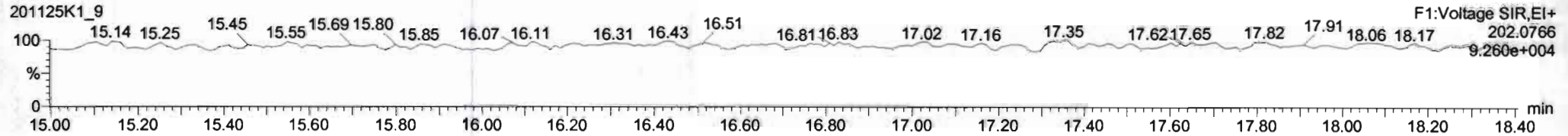
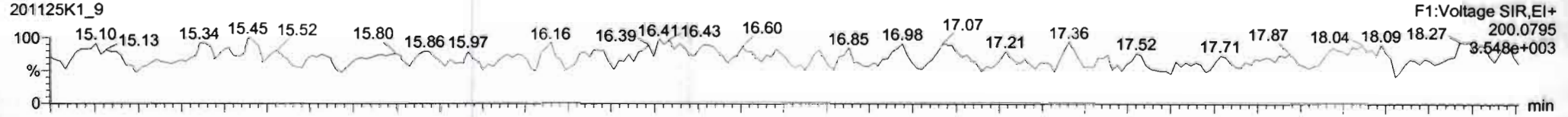
*GRB 11/26/2020*

Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

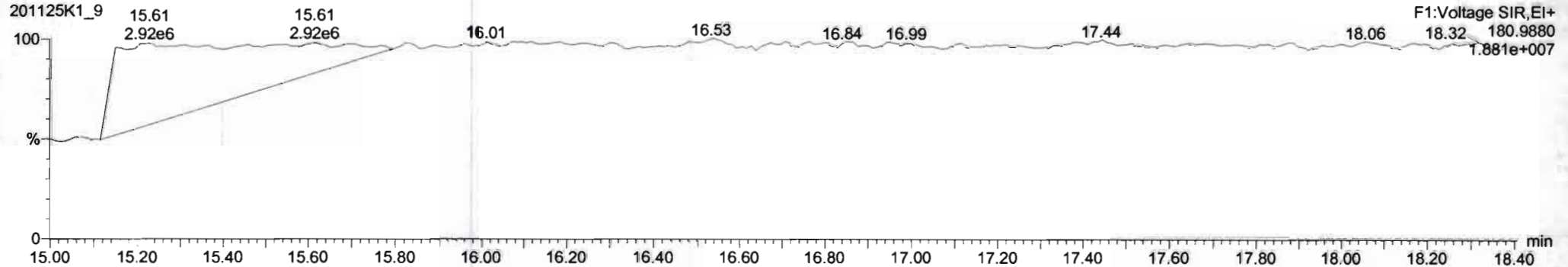
**PCB-1**



**13C-PCB-1**



**PFK1**

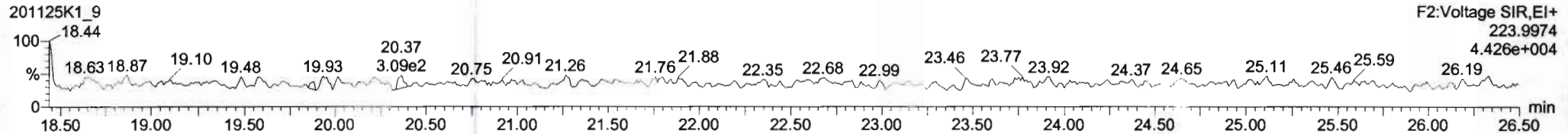
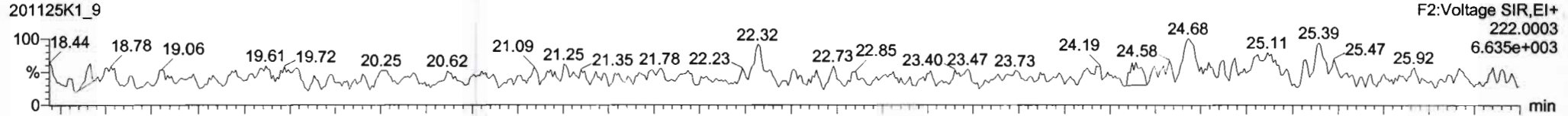


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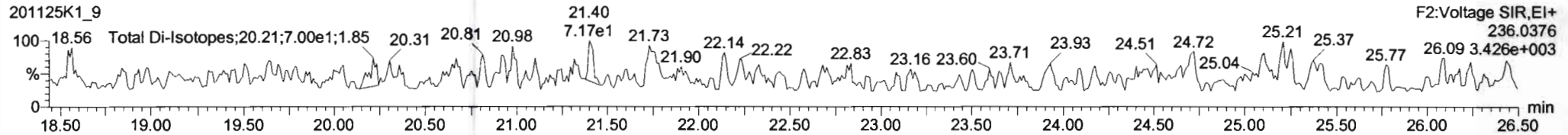
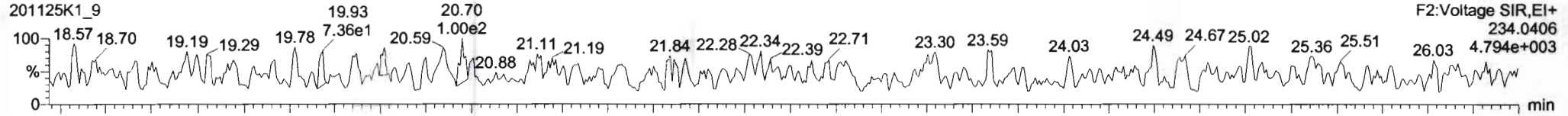
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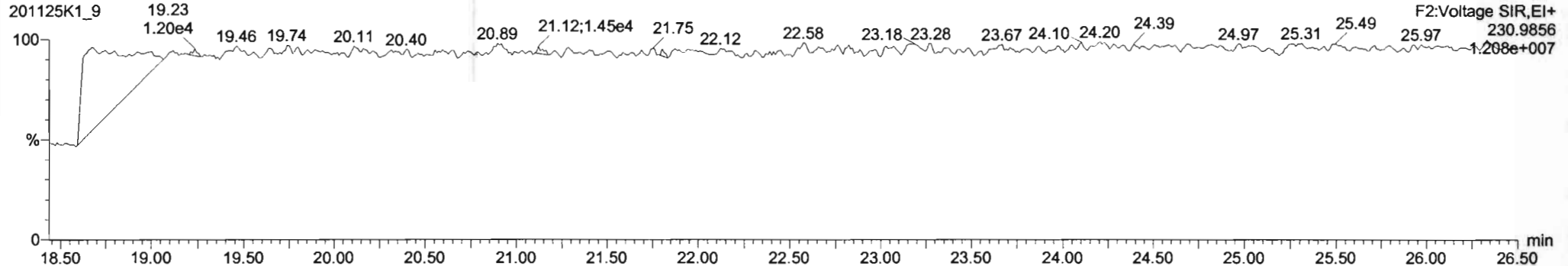
**PCB-4/10**



**13C-PCB-4**



**PFK2a**



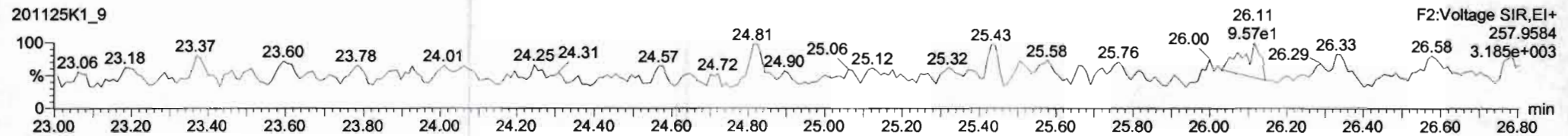
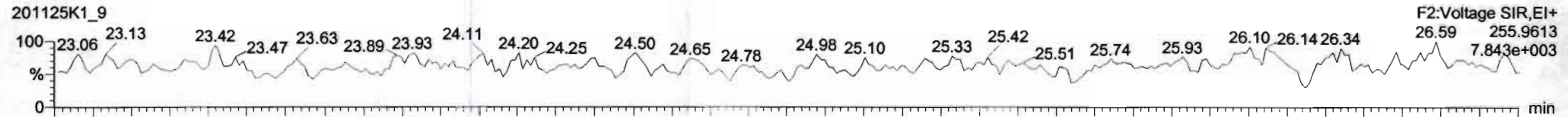
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

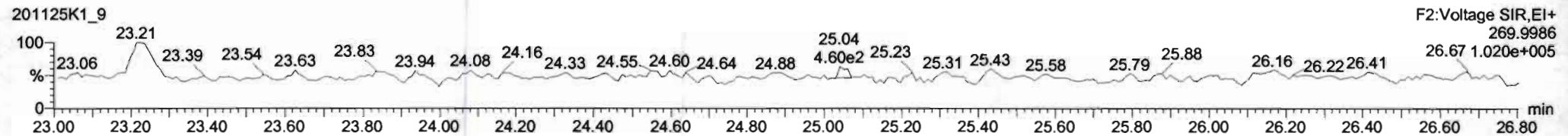
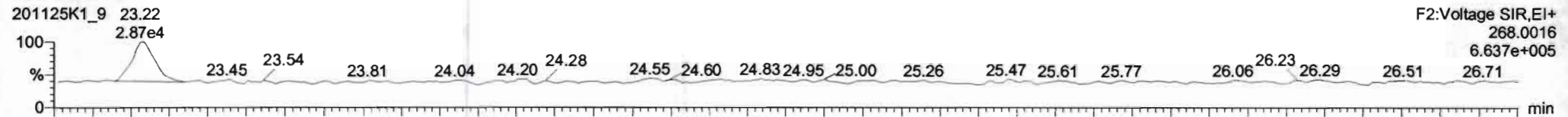
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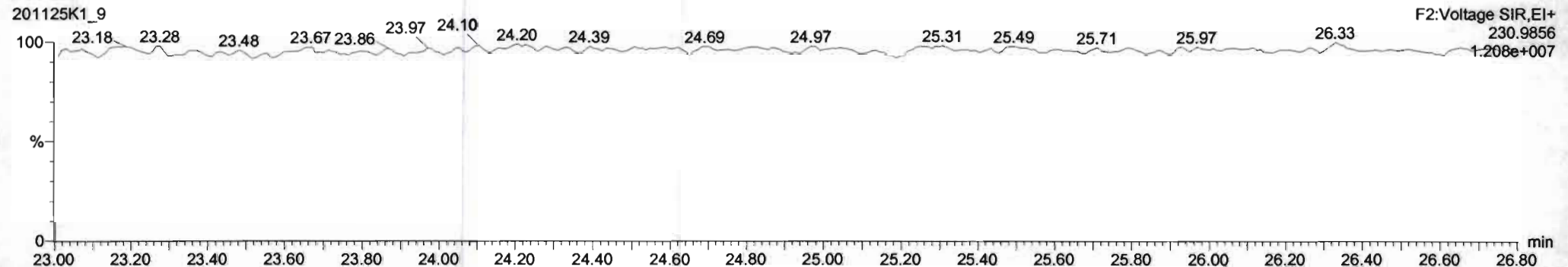
**PCB-19**



**13C-PCB-19**



**PFK2b**



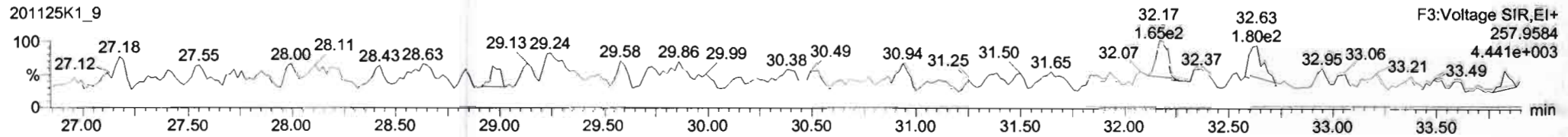
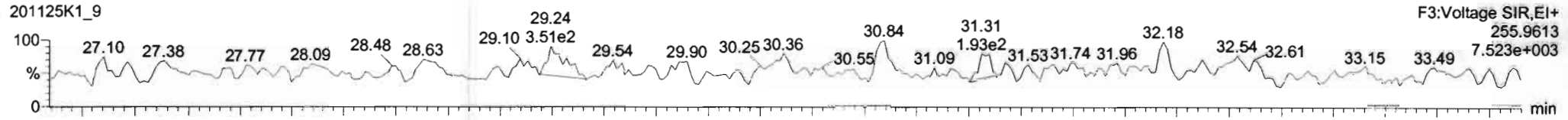
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

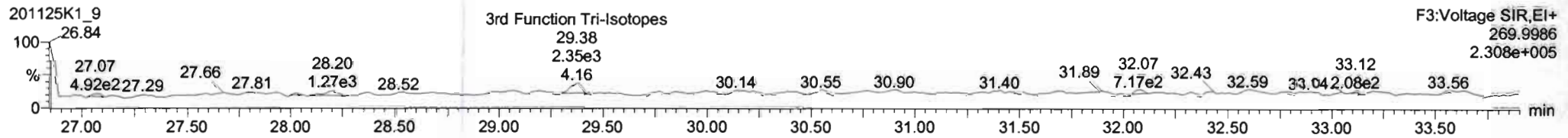
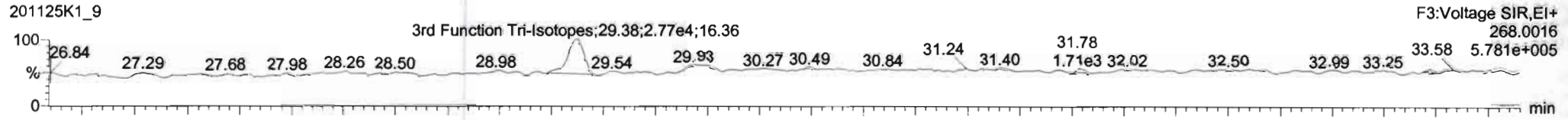
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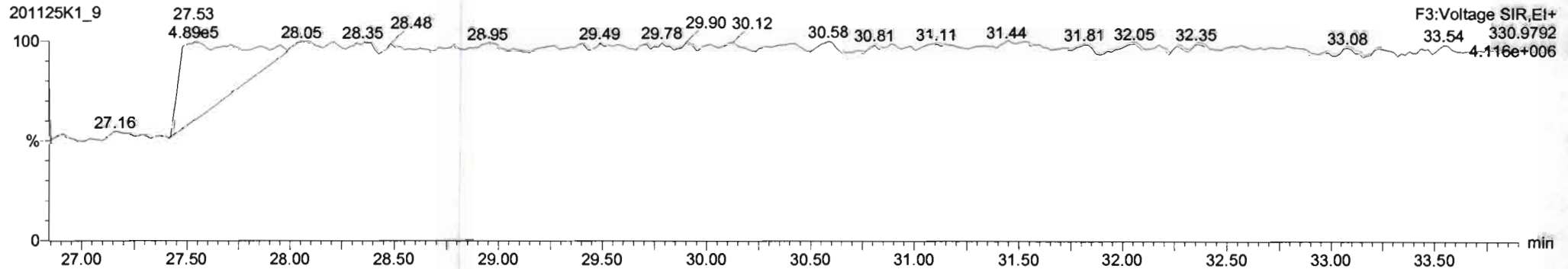
**PCB-34**



**13C-PCB-28**



**PFK3d**





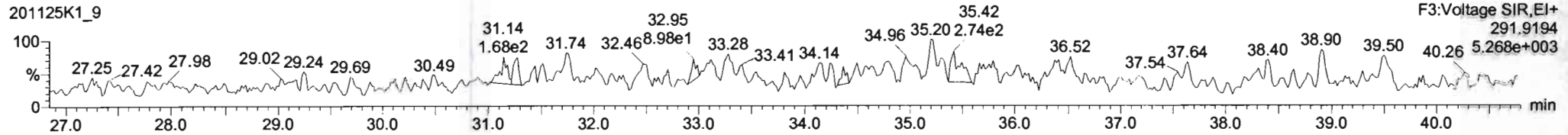
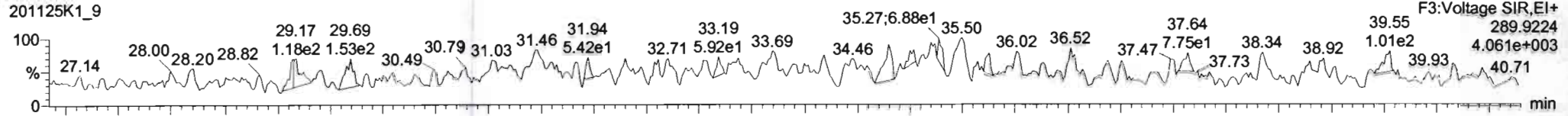
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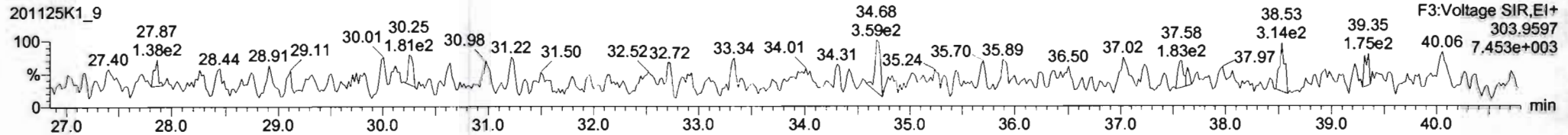
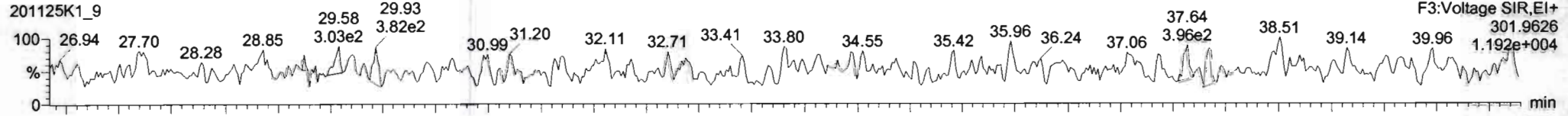
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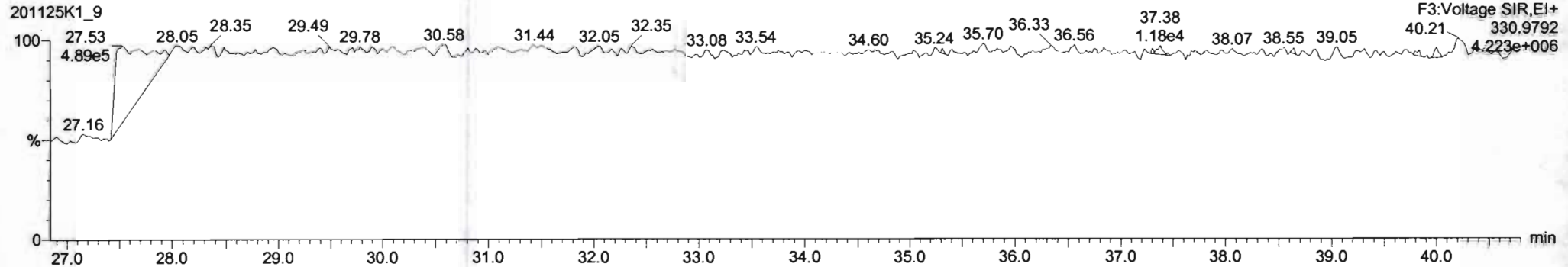
**PCB-54**



**13C-PCB-54**



**PFK3a**



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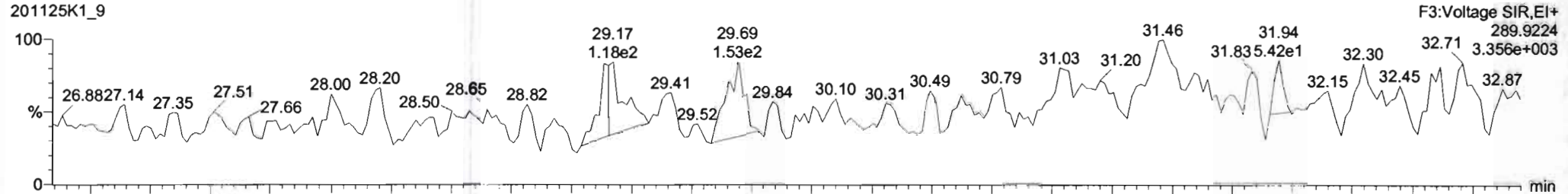
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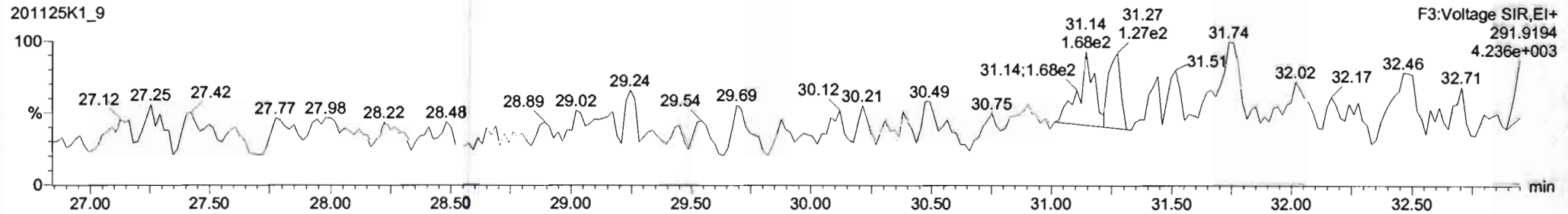
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**PCB-50**

201125K1\_9

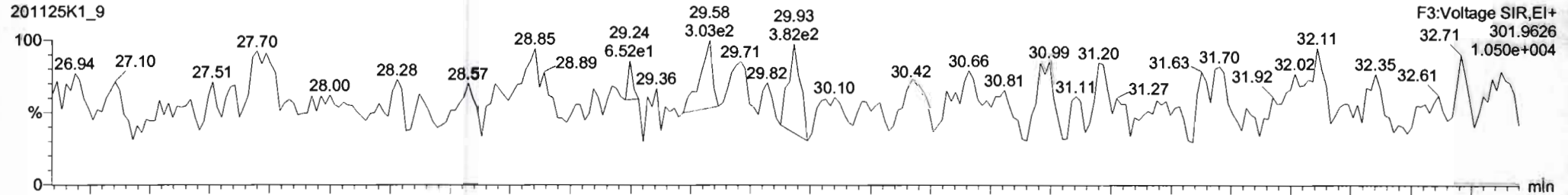


201125K1\_9

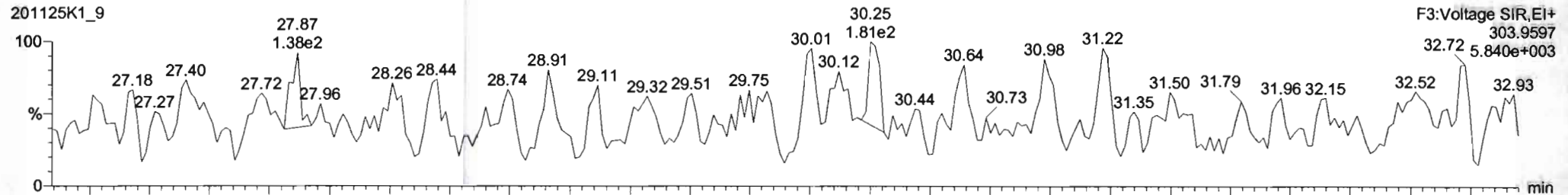


**13C-PCB-52**

201125K1\_9



201125K1\_9



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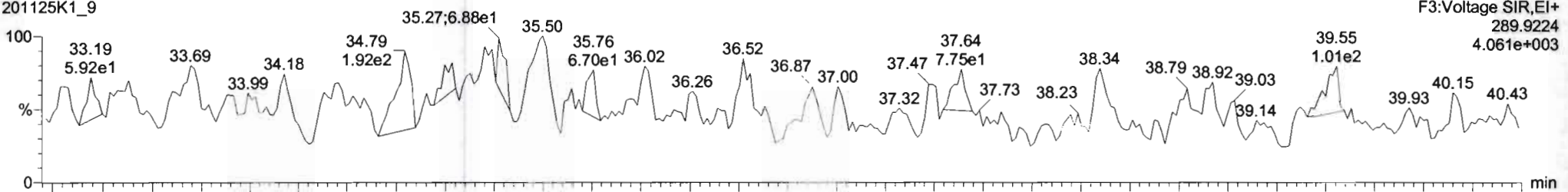
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

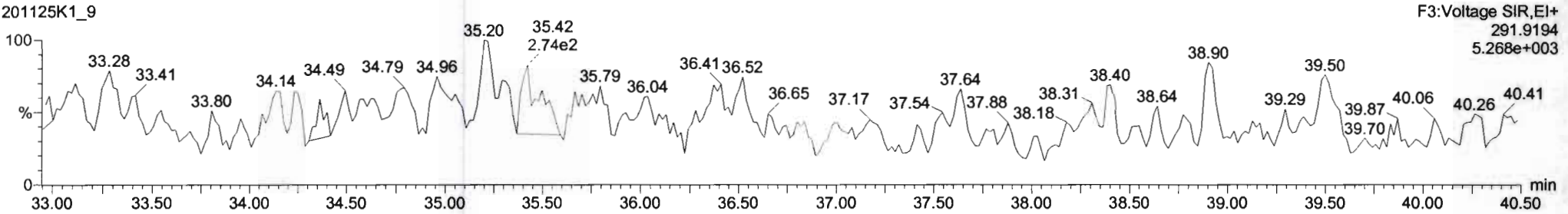
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PCB-68

201125K1\_9

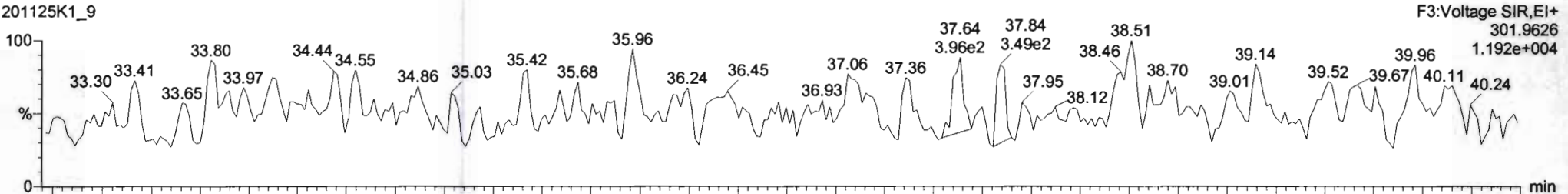


201125K1\_9

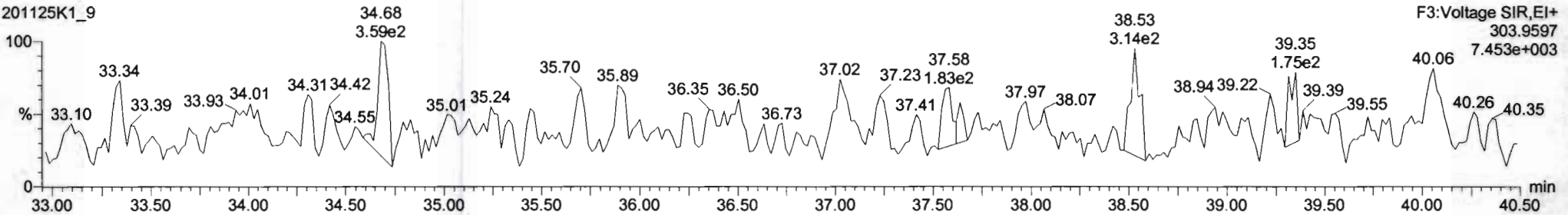


13C-PCB-60

201125K1\_9



201125K1\_9



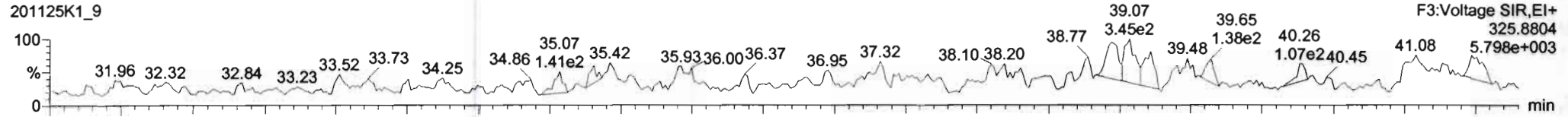
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

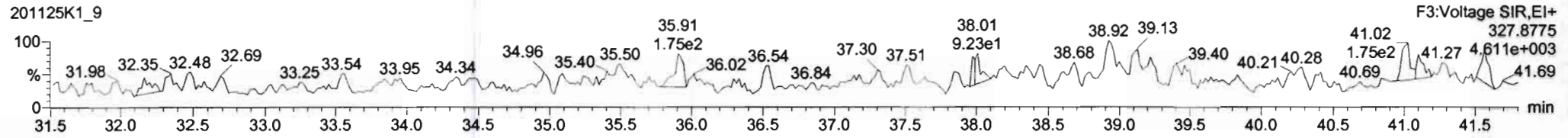
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**PCB-104**

201125K1\_9

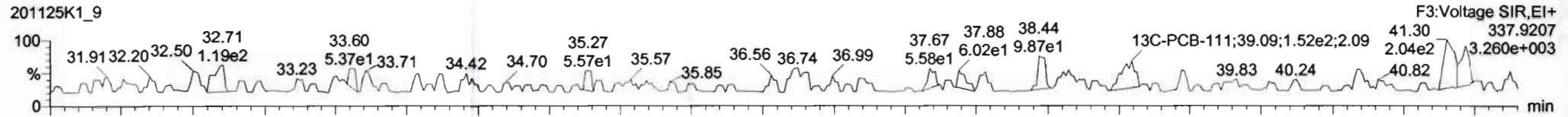


201125K1\_9

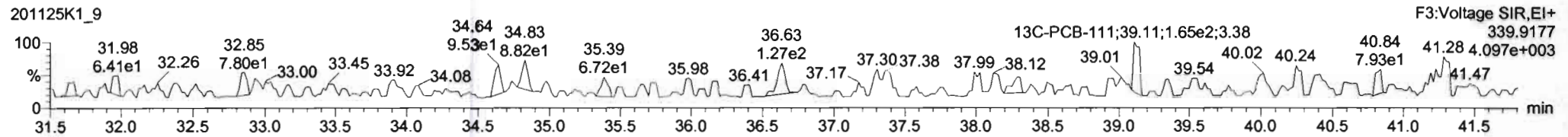


**13C-PCB-104**

201125K1\_9

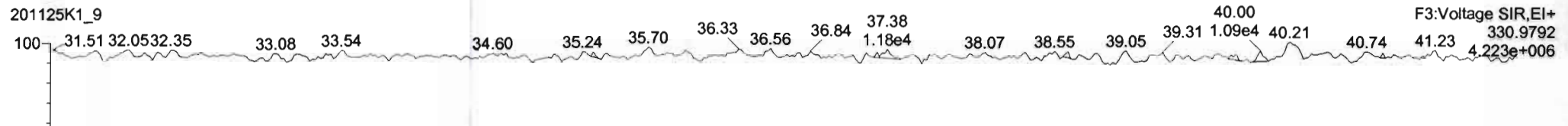


201125K1\_9



**PFK3b**

201125K1\_9



Dataset: Untitled

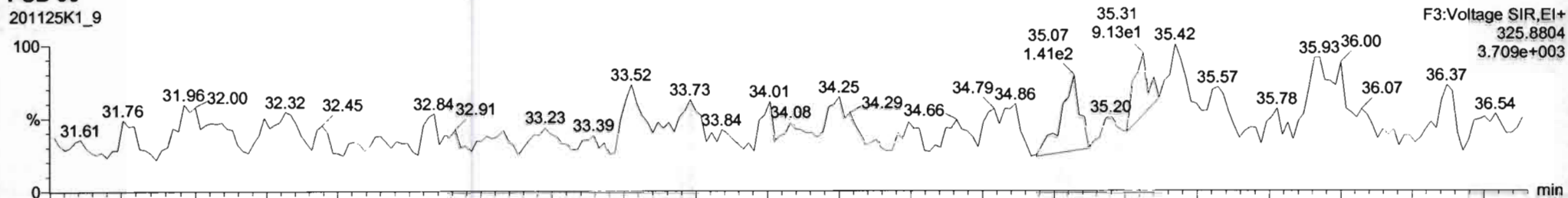
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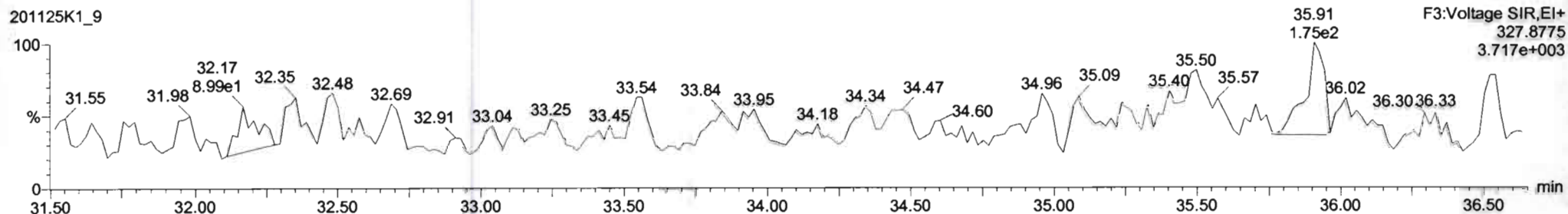
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PCB-96

201125K1\_9

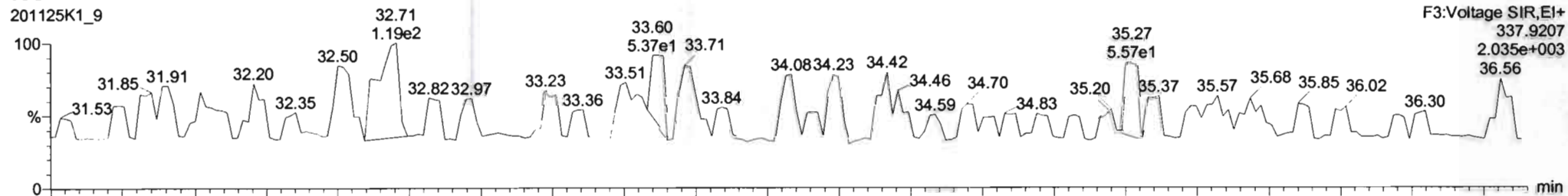


201125K1\_9

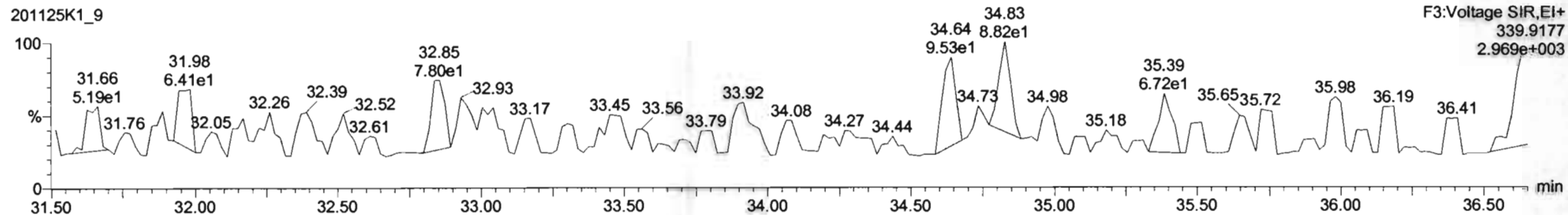


13C-PCB-95

201125K1\_9



201125K1\_9



Dataset: Untitled

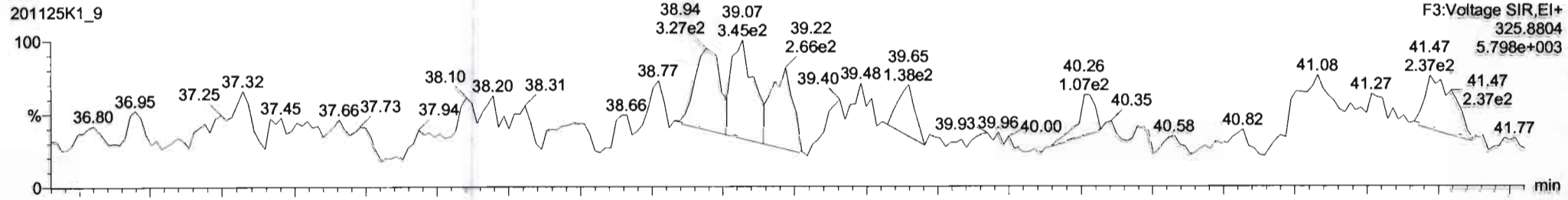
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Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

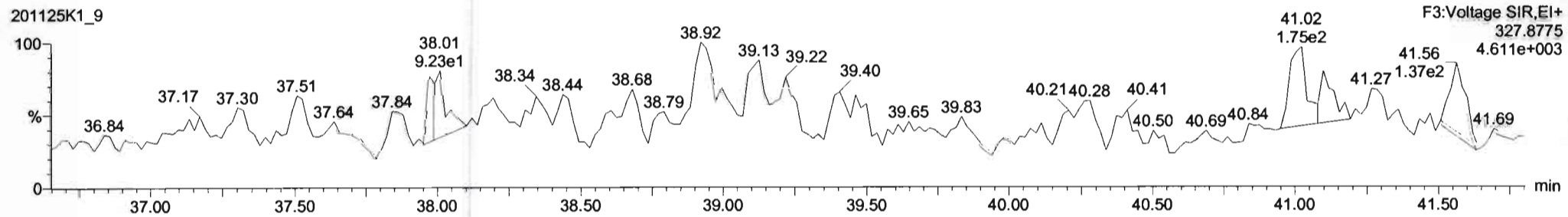
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PCB-119

201125K1\_9

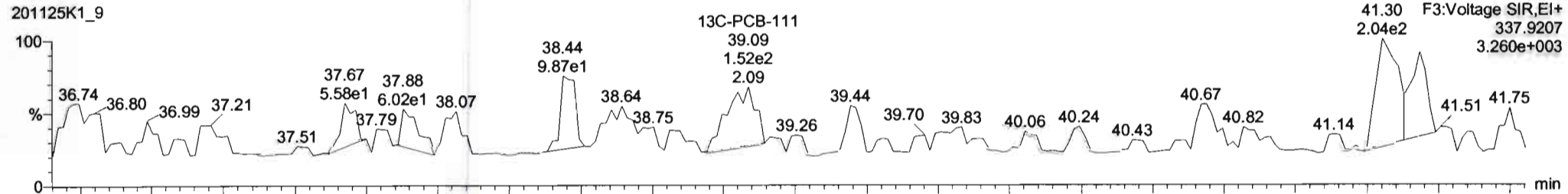


201125K1\_9

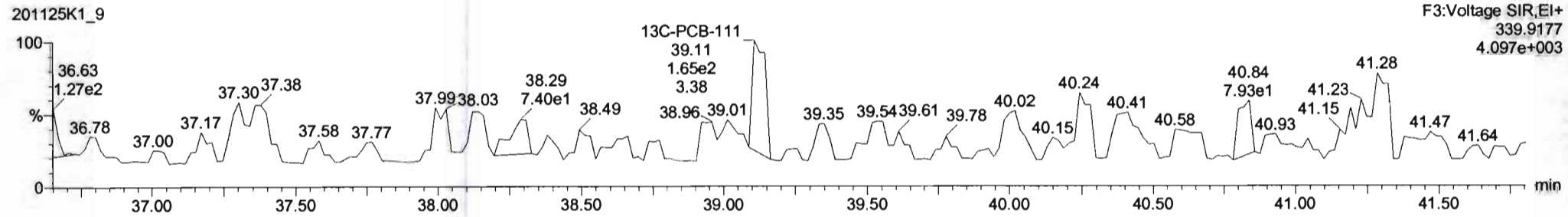


13C-PCB-111

201125K1\_9



201125K1\_9



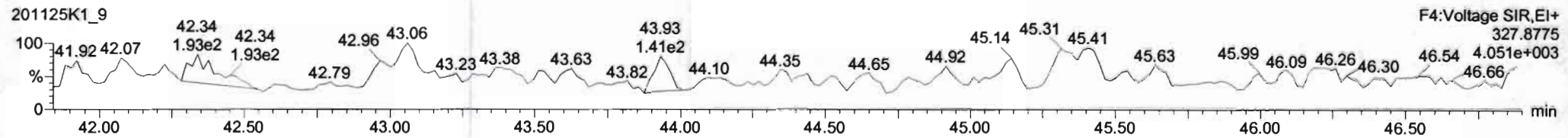
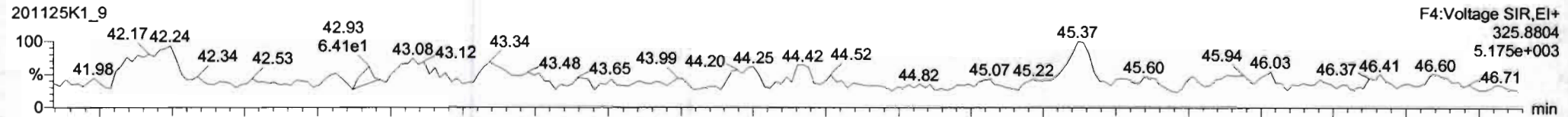
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

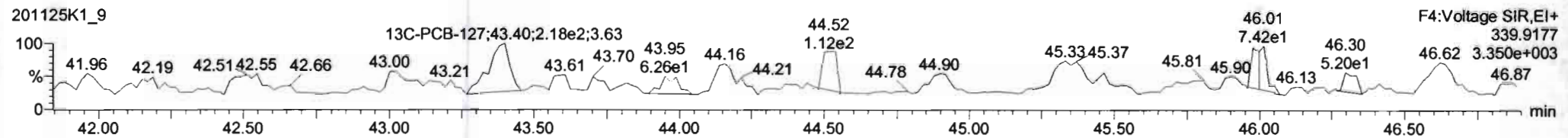
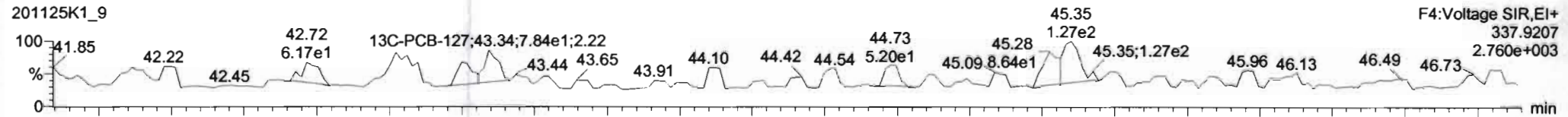
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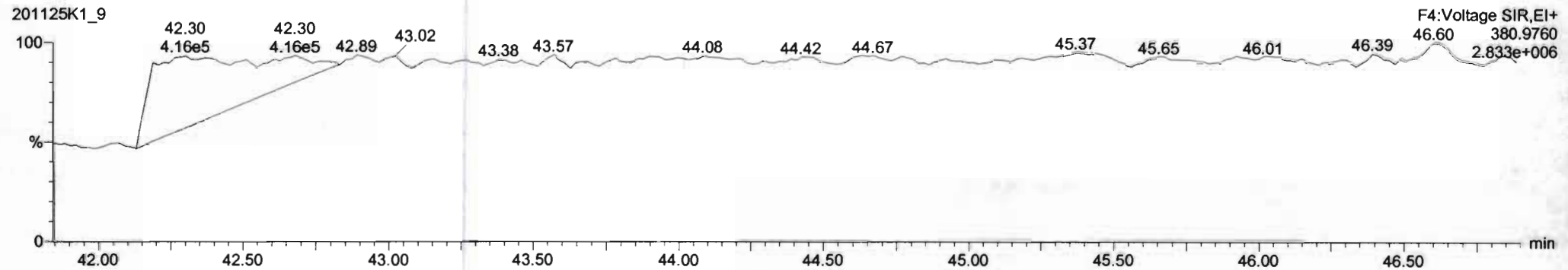
**PCB-114**



**13C-PCB-114**



**PFK4a**



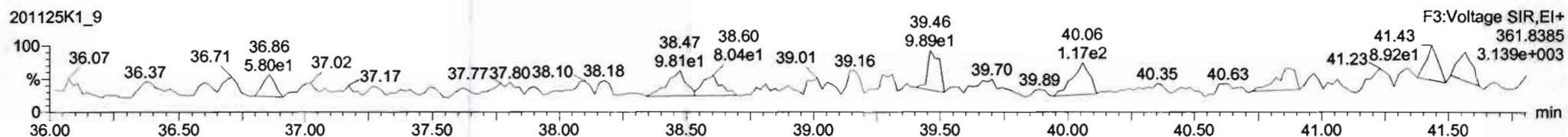
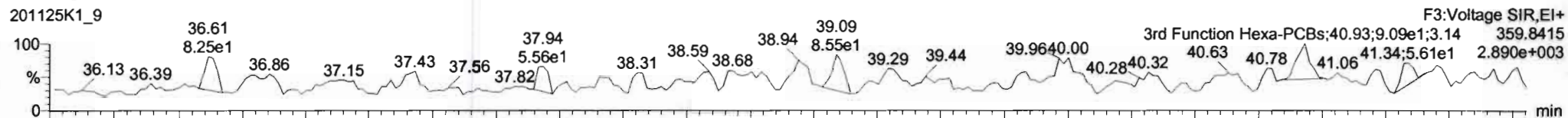
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

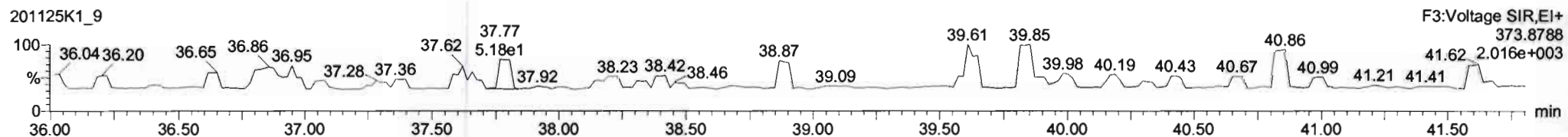
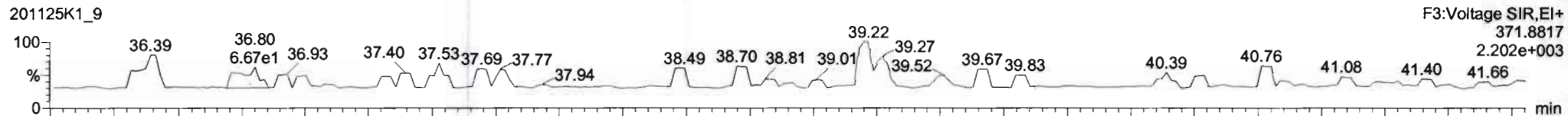
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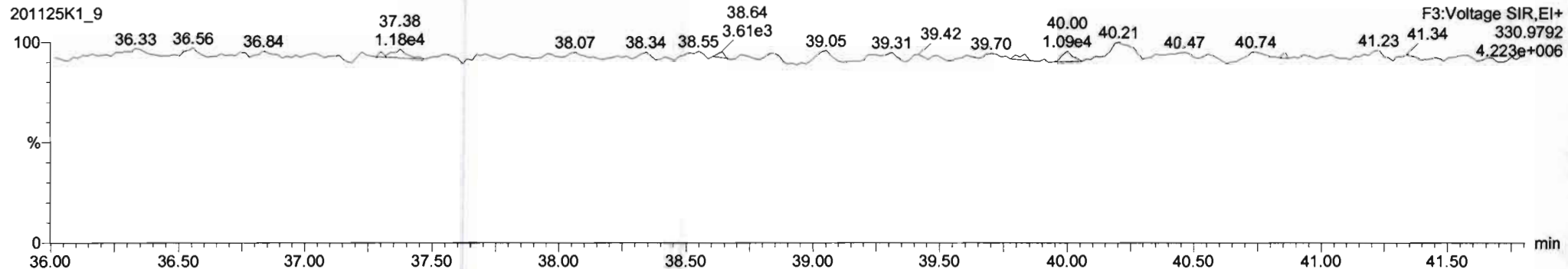
**PCB-155**



**13C-PCB-155**



**PFK3c**





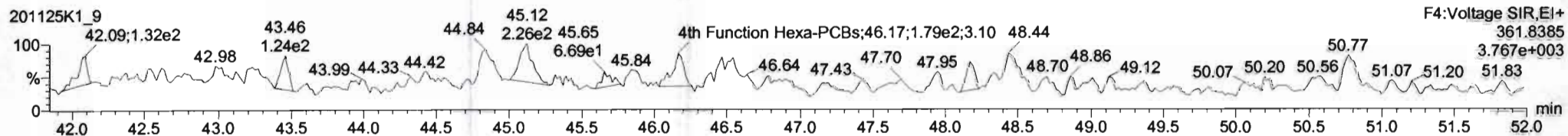
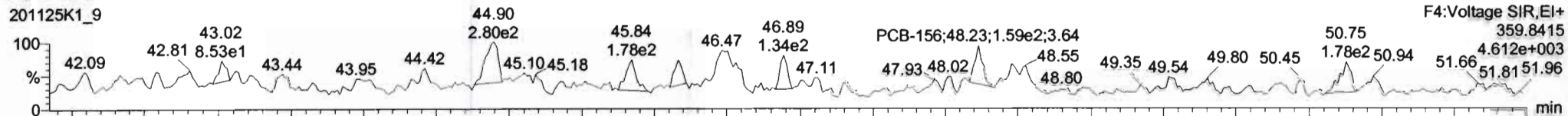
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

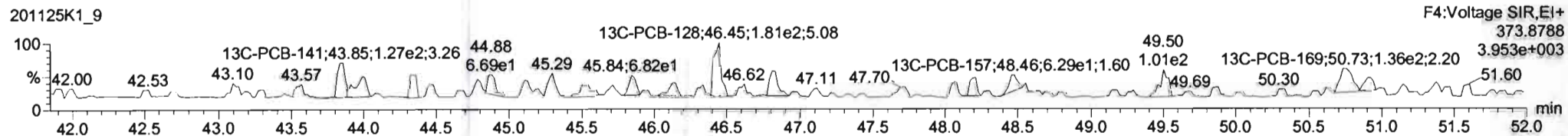
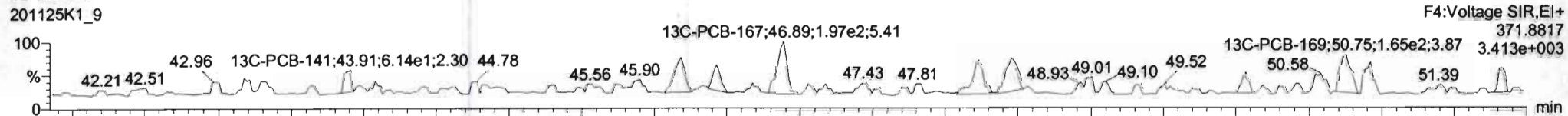
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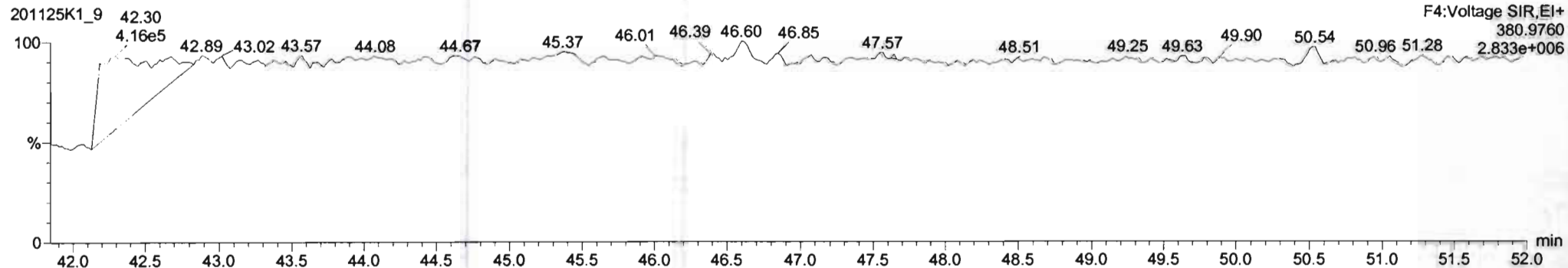
**PCB-134/143**



**13C-PCB-153**



**PFK4b**



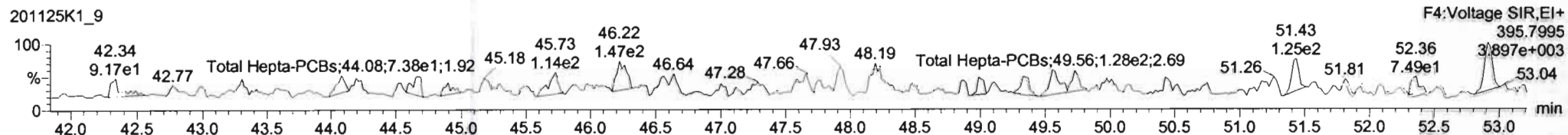
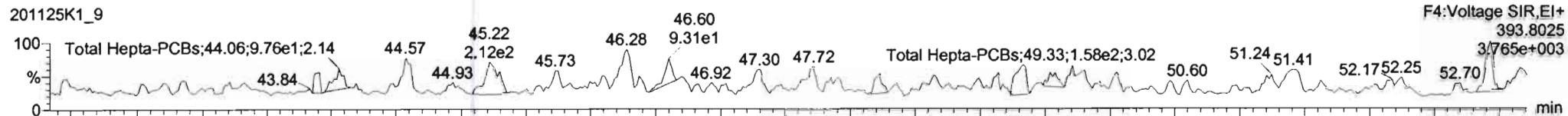
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

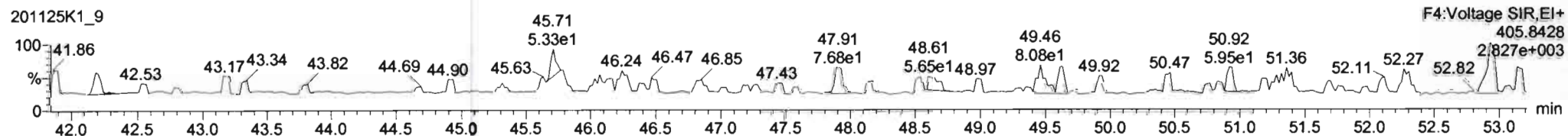
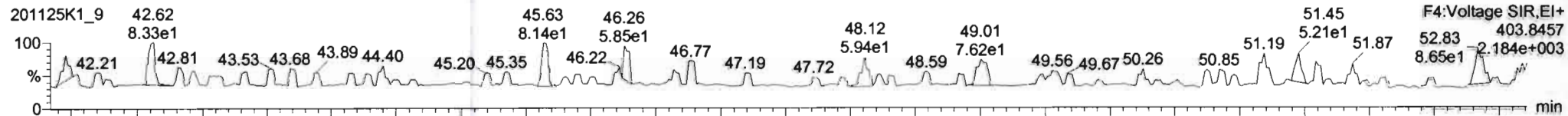
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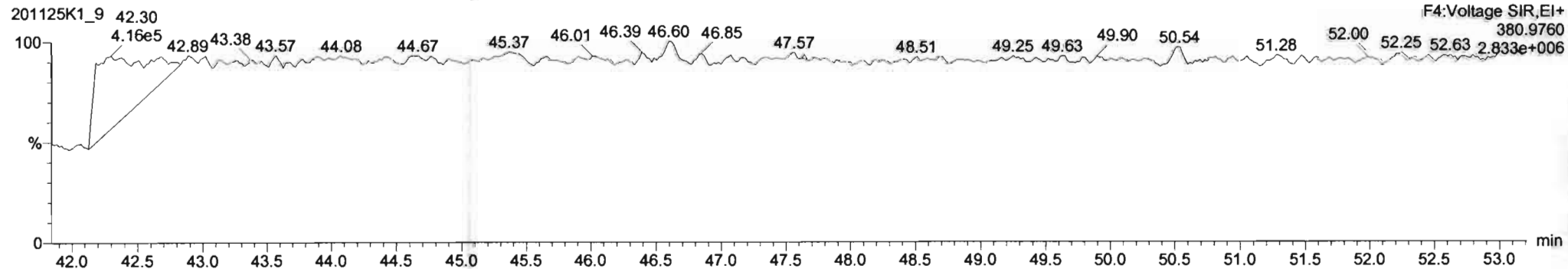
PCB-188



13C-PCB-188



PFK4c



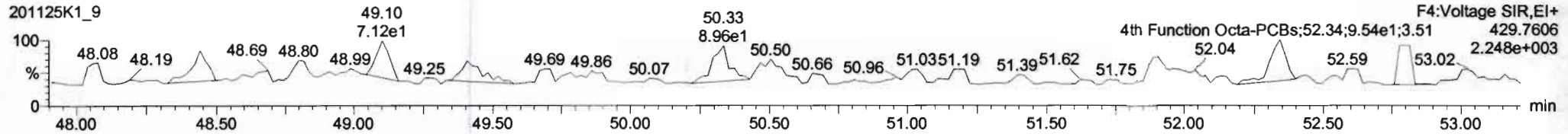
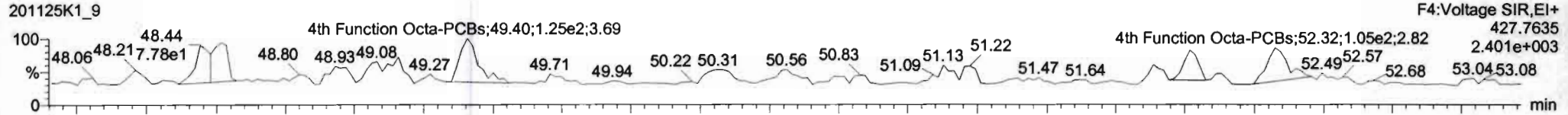
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

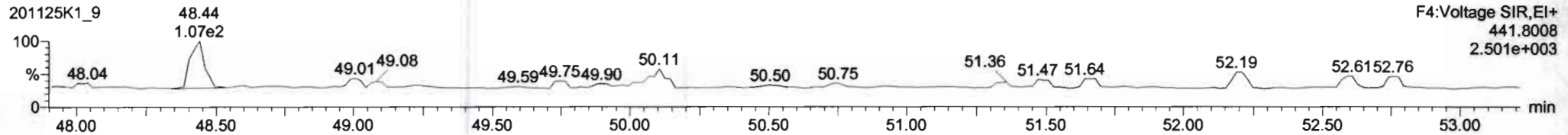
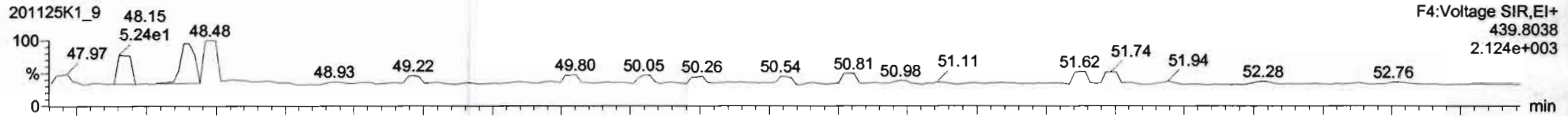
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

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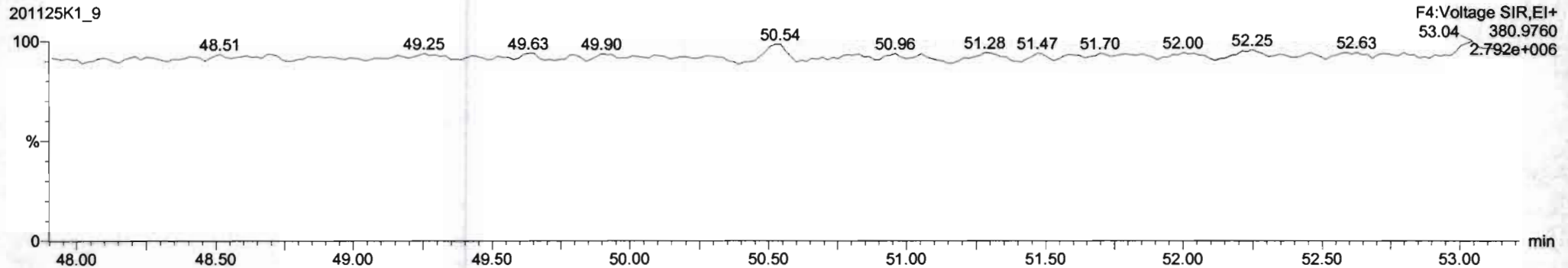
**PCB-202**



**13C-PCB-202**



**PFK4d**

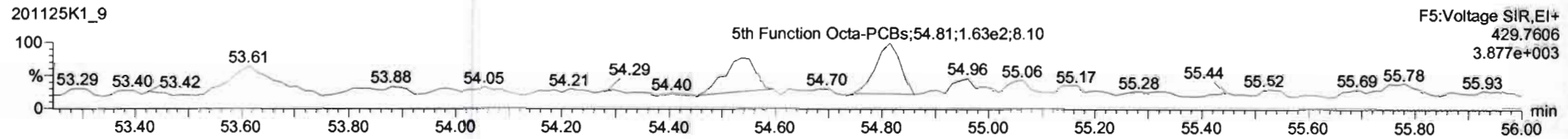
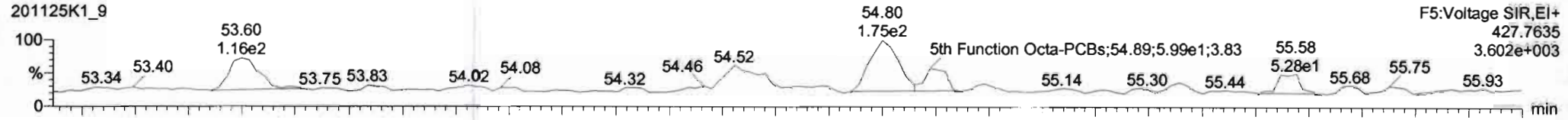


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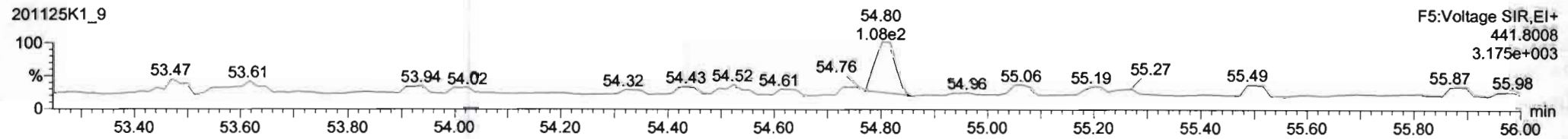
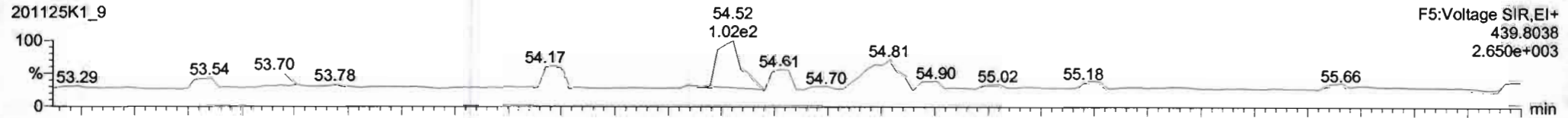
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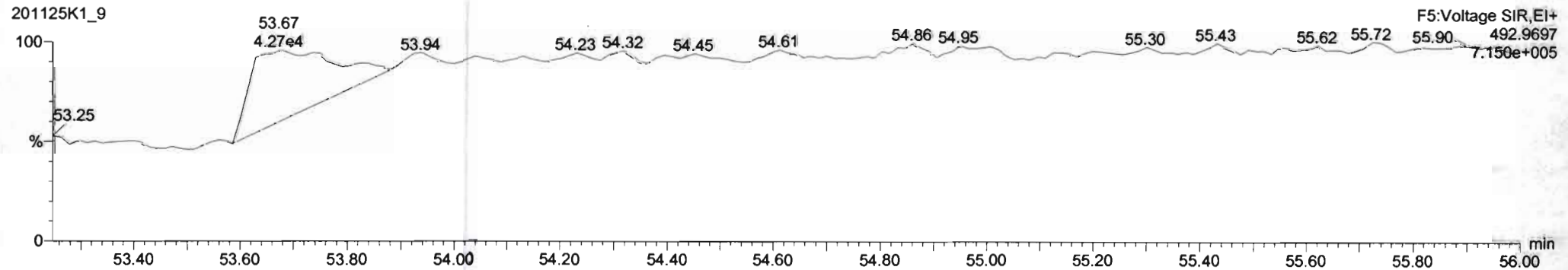
**PCB-195**



**13C-PCB-194**



**PFK5a**



Dataset: Untitled

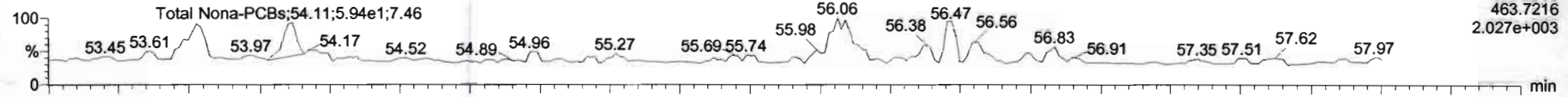
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

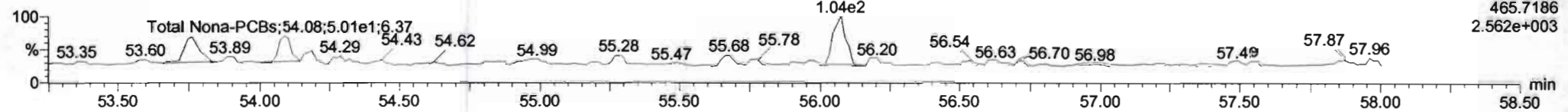
Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

**PCB-208**

201125K1\_9

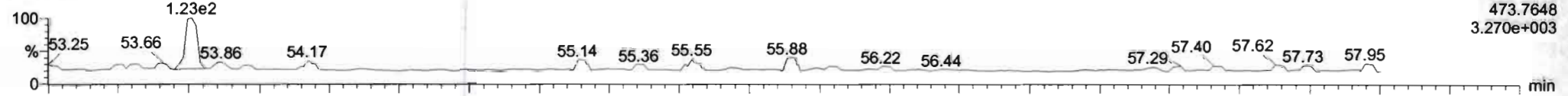


201125K1\_9

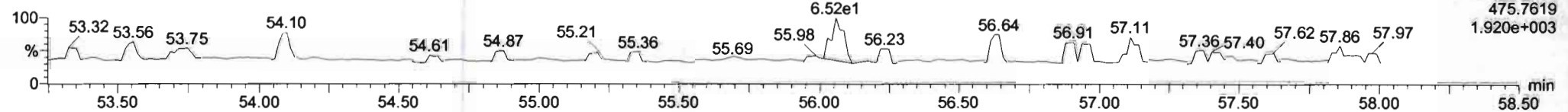


**13C-PCB-208**

201125K1\_9

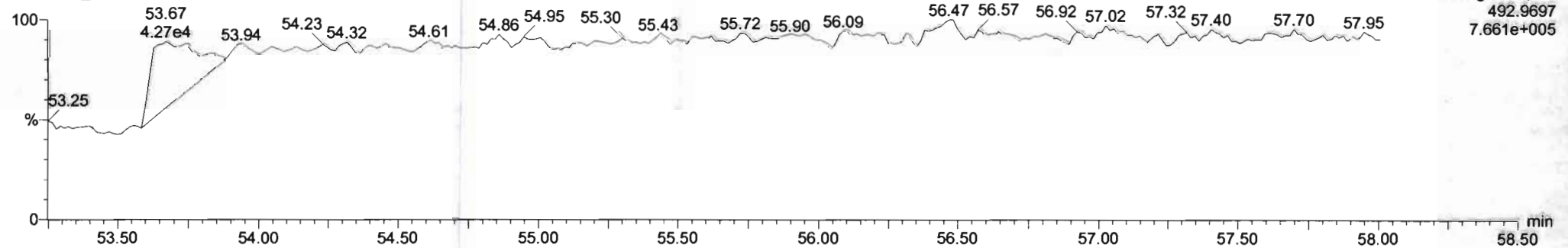


201125K1\_9



**PFK5**

201125K1\_9



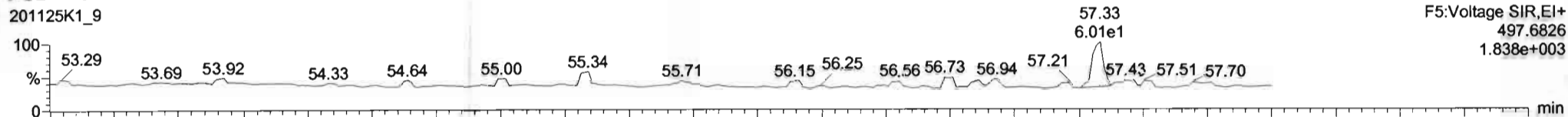
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

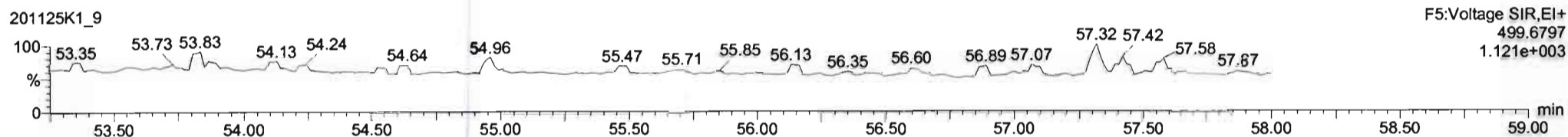
Name: 201125K1\_9, Date: 25-Nov-2020, Time: 18:01:56, ID: SOLVENT BLANK, Description: SOLVENT BLANK

**PCB-209**

201125K1\_9

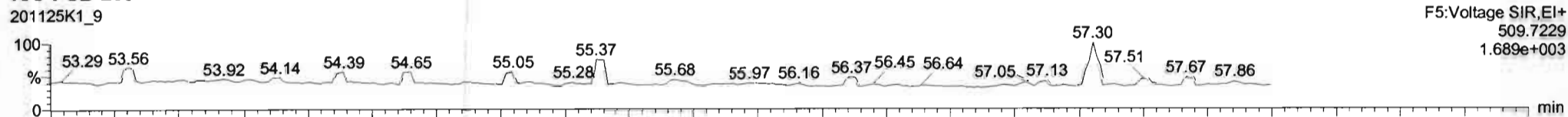


201125K1\_9

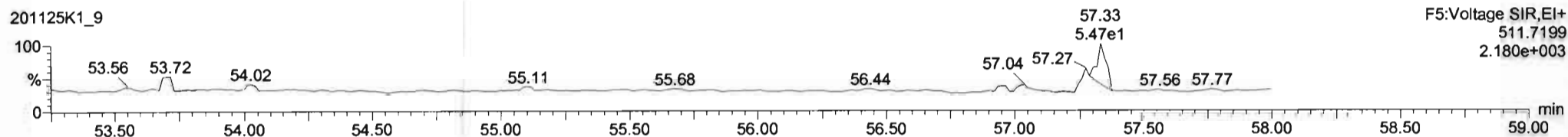


**13C-PCB-209**

201125K1\_9

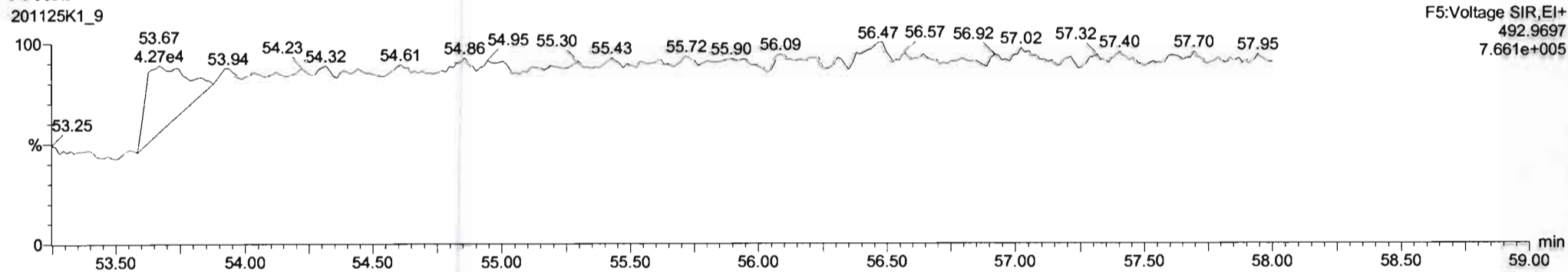


201125K1\_9



**PFK5b**

201125K1\_9



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time  
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*HL 11-26-2020  
good recovery*

Method: U:\VG11.PRO\MethDB\PCB-209\_ZB1\_11-24-20.mdb 25 Nov 2020 08:43:46  
Calibration: U:\VG11.PRO\CurveDB\db1\_PCBvg11-11-25-20.cdb 25 Nov 2020 17:49:42

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
1	1 PCB-1			NO	0.986	1.000	15.43		1.001		YES			0.784	
2	2 PCB-2			NO	1.02	1.000	17.83		0.988		YES			0.823	
3	3 PCB-3			NO	1.00	1.000	18.05		1.001		YES			0.839	
4	4 PCB-4/10			NO	1.21	1.000	19.48		1.004		YES			2.86	
5	5 PCB-7/9			NO	0.939	1.000	21.27		1.003		YES			2.31	
6	6 PCB-6			NO	0.996	1.000	21.92		1.033		YES			2.17	
7	7 PCB-5/8			NO	0.976	1.000	22.32		1.052		YES			2.22	
8	8 PCB-14			NO	1.02	1.000	23.45		0.951		YES			2.28	
9	9 PCB-11			NO	1.12	1.000	24.68		1.001		YES			2.09	
10	10 PCB-12/13			NO	1.02	1.000	25.11		1.018		YES			2.29	
11	11 PCB-15			NO	1.02	1.000	25.39		1.030		YES			2.30	
12	12 PCB-19			NO	0.972	1.000	23.65		1.001		YES			2.14	
13	13 PCB-30			NO	1.54	1.000	24.56		1.040		YES			1.35	
14	14 PCB-18			NO	0.719	1.000	25.32		0.952		YES			2.04	
15	15 PCB-17			NO	0.672	1.000	25.49		0.958		YES			2.18	
16	16 PCB-24/27			NO	0.932	1.000	26.09		0.981		YES			1.57	
17	17 PCB-16/32			NO	0.824	1.000	26.62		1.001		YES			1.78	
18	18 PCB-34			NO	0.878	1.000	27.44		0.959		YES			1.45	
19	19 PCB-23			NO	0.892	1.000	27.53		0.962		YES			1.43	
20	20 PCB-29			NO	0.861	1.000	27.77		0.971		YES			1.48	
21	21 PCB-26			NO	0.915	1.000	28.00		0.979		YES			1.39	
22	22 PCB-25			NO	0.915	1.000	28.16		0.984		YES			1.39	
23	23 PCB-31			NO	1.03	1.000	28.53		0.997		YES			1.24	
24	24 PCB-28			NO	1.01	1.000	28.63		1.001		YES			1.25	
25	25 PCB-20/21/33			NO	0.913	1.000	29.27		1.023		YES			1.39	
26	26 PCB-22			NO	0.948	1.000	29.74		1.039		YES			1.34	
27	27 PCB-36			NO	1.07	1.000	30.36		0.932		YES			1.35	
28	28 PCB-39			NO	1.00	1.000	30.84		0.946		YES			1.44	
29	29 PCB-38			NO	1.05	1.000	31.64		0.971		YES			1.38	
30	30 PCB-35			NO	1.05	1.000	32.16		0.987		YES			1.38	
31	31 PCB-37			NO	1.03	1.000	32.61		1.001		YES			1.41	
32	32 PCB-54			NO	0.974	1.000	27.48		1.001		YES			1.25	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
33	33 PCB-50			NO	0.803	1.000	28.68		1.044		YES			1.52	
34	34 PCB-53			NO	0.939	1.000	29.37		0.944		YES			1.64	
35	35 PCB-51			NO	1.00	1.000	29.70		0.955		YES			1.54	
36	36 PCB-45			NO	0.802	1.000	30.15		0.969		YES			1.92	
37	37 PCB-46			NO	0.770	1.000	30.65		0.985		YES			2.00	
38	38 PCB-52/69			NO	1.08	1.000	31.14		1.001		YES			1.42	
39	39 PCB-73			NO	1.31	1.000	31.25		1.005		YES			1.18	
40	40 PCB-43/49			NO	0.925	1.000	31.43		1.010		YES			1.66	
41	41 PCB-47			NO	0.863	1.000	31.65		1.001		YES			1.74	
42	42 PCB-48/75			NO	1.04	1.000	31.76		1.004		YES			1.45	
43	43 PCB-65			NO	1.16	1.000	32.03		1.013		YES			1.29	
44	44 PCB-62			NO	1.04	1.000	32.16		1.017		YES			1.45	
45	45 PCB-44			NO	0.757	1.000	32.46		1.026		YES			1.98	
46	46 PCB-42/59			NO	0.975	1.000	32.69		1.033		YES			1.54	
47	47 PCB-41/64/71/72			NO	1.12	1.000	33.31		1.053		YES			1.34	
48	48 PCB-68			NO	1.19	1.000	33.56		1.061		YES			1.26	
49	49 PCB-40			NO	0.572	1.000	33.77		1.068		YES			2.62	
50	50 PCB-57			NO	1.08	1.000	34.17		0.969		YES			1.17	
51	51 PCB-67			NO	1.02	1.000	34.48		0.978		YES			1.24	
52	52 PCB-58			NO	1.08	1.000	34.61		0.982		YES			1.17	
53	53 PCB-63			NO	0.971	1.000	34.76		0.986		YES			1.30	
54	54 PCB-74			NO	1.09	1.000	35.06		0.994		YES			1.16	
55	55 PCB-61/70			NO	0.978	1.000	35.27		1.000		YES			1.29	
56	56 PCB-76/66			NO	1.07	1.000	35.45		1.005		YES			1.18	
57	57 PCB-80			NO	1.08	1.000	35.71		1.001		YES			1.13	
58	58 PCB-55			NO	1.06	1.000	36.04		1.010		YES			1.14	
59	59 PCB-56/60			NO	0.946	1.000	36.55		1.024		YES			1.29	
60	60 PCB-79			NO	1.06	1.000	37.65		1.055		YES			1.15	
61	61 PCB-78			NO	1.01	1.000	38.36		0.987		YES			1.24	
62	62 PCB-81			NO	0.941	1.000	38.90		1.000		YES			1.33	
63	63 PCB-77			NO	1.03	1.000	39.52		1.000		YES			1.27	
64	64 PCB-104			NO	0.982	1.000	32.32		1.001		YES			1.59	
65	65 PCB-96			NO	0.982	1.000	33.61		1.041		YES			1.59	
66	66 PCB-103			NO	0.770	1.000	34.17		1.058		YES			2.03	
67	67 PCB-100			NO	0.805	1.000	34.54		1.070		YES			1.94	
68	68 PCB-94			NO	0.831	1.000	35.03		0.985		YES			2.41	



Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
69	69 PCB-95/98/102			NO	1.07	1.000	35.50		0.999		YES			1.87	
70	70 PCB-93			NO	0.761	1.000	35.65		1.003		YES			2.62	
71	71 PCB-88/91			NO	0.910	1.000	35.98		1.012		YES			2.20	
72	72 PCB-121			NO	1.46	1.000	36.09		1.015		YES			1.36	
73	73 PCB-84/92			NO	0.826	1.000	36.93		0.990		YES			2.25	
74	74 PCB-89			NO	0.885	1.000	37.11		0.995		YES			2.10	
75	75 PCB-90/101			NO	0.905	1.000	37.31		1.000		YES			2.05	
76	76 PCB-113			NO	1.26	1.000	37.56		1.007		YES			1.47	
77	77 PCB-99			NO	0.993	1.000	37.66		1.010		YES			1.87	
78	78 PCB-119			NO	1.53	1.000	38.14		0.987		YES			1.50	
79	79 PCB-108/112			NO	1.25	1.000	38.30		0.991		YES			1.85	
80	80 PCB-83			NO	1.56	1.000	38.45		0.995		YES			1.48	
81	81 PCB-97			NO	1.12	1.000	38.66		1.000		YES			2.05	
82	82 PCB-86			NO	1.06	1.000	38.83		1.005		YES			2.17	
83	83 PCB-87/117/125			NO	1.34	1.000	38.95		1.008		YES			1.72	
84	84 PCB-111/115			NO	1.62	1.000	39.11		1.012		YES			1.42	
85	85 PCB-85/116			NO	1.23	1.000	39.23		1.015		YES			1.87	
86	86 PCB-120			NO	1.79	1.000	39.50		1.022		YES			1.28	
87	87 PCB-110			NO	1.50	1.000	39.65		1.026		YES			1.53	
88	88 PCB-82			NO	0.638	1.000	40.29		0.976		YES			2.56	
89	89 PCB-124			NO	1.08	1.000	41.00		0.993		YES			1.51	
90	90 PCB-107/109			NO	1.11	1.000	41.14		0.996		YES			1.47	
91	91 PCB-123			NO	1.00	1.000	41.31		1.000		YES			1.63	
92	92 PCB-106/118			NO	1.02	1.000	41.51		1.001		YES			1.61	
93	93 PCB-114			NO	1.08	1.000	42.17		1.000		YES			1.34	
94	94 PCB-122			NO	0.930	1.000	42.32		1.004		YES			1.56	
95	95 PCB-105			NO	1.03	1.000	43.06		1.000		YES			1.36	
96	96 PCB-127			NO	1.06	1.000	43.42		1.000		YES			1.24	
97	97 PCB-126			NO	1.15	1.000	45.37		1.000		YES			1.30	
98	98 PCB-155			NO	0.853	1.000	36.84		1.000		YES			1.75	
99	99 PCB-150			NO	0.934	1.000	38.16		1.036		YES			1.60	
100	1... PCB-152			NO	1.02	1.000	38.64		1.049		YES			1.47	
101	1... PCB-145			NO	0.983	1.000	39.11		1.062		YES			1.52	
102	1... PCB-136			NO	0.881	1.000	39.44		1.071		YES			1.70	
103	1... PCB-148			NO	0.666	1.000	39.55		1.074		YES			2.24	
104	1... PCB-154			NO	0.721	1.000	40.06		1.088		YES			2.07	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
105	1... PCB-151			NO	0.674	1.000	40.72		1.106		YES			2.22	
106	1... PCB-135			NO	0.723	1.000	40.95		1.112		YES			2.07	
107	1... PCB-144			NO	0.691	1.000	41.06		1.115		YES			2.16	
108	1... PCB-147			NO	0.713	1.000	41.19		1.119		YES			2.10	
109	1... PCB-139/149			NO	0.773	1.000	41.47		1.126		YES			1.93	
110	1... PCB-140			NO	0.652	1.000	41.66		1.131		YES			2.29	
111	1... PCB-134/143			NO	0.718	1.000	42.11		0.975		YES			1.91	
112	1... PCB-131/133			NO	0.768	1.000	42.42		0.982		YES			1.79	
113	1... PCB-142			NO	0.687	1.000	42.56		0.985		YES			2.00	
114	1... PCB-146/165			NO	0.943	1.000	42.81		0.991		YES			1.46	
115	1... PCB-132/161			NO	0.957	1.000	43.06		0.997		YES			1.43	
116	1... PCB-153			NO	0.990	1.000	43.25		1.001		YES			1.39	
117	1... PCB-168			NO	1.03	1.000	43.46		1.006		YES			1.33	
118	1... PCB-141			NO	0.948	1.000	43.99		1.000		YES			1.81	
119	1... PCB-137			NO	0.964	1.000	44.36		1.009		YES			1.78	
120	1... PCB-130			NO	0.816	1.000	44.48		1.012		YES			2.10	
121	1... PCB-138/163/164			NO	1.15	1.000	44.90		1.001		YES			1.38	
122	1... PCB-158/160			NO	1.14	1.000	45.14		1.007		YES			1.40	
123	1... PCB-129			NO	0.807	1.000	45.39		1.012		YES			1.98	
124	1... PCB-166			NO	1.03	1.000	45.85		0.993		YES			1.36	
125	1... PCB-159			NO	1.10	1.000	46.21		1.001		YES			1.28	
126	1... PCB-128/162			NO	0.836	1.000	46.49		1.007		YES			1.68	
127	1... PCB-167			NO	0.960	1.000	46.90		1.000		YES			1.41	
128	1... PCB-156			NO	1.06	1.000	48.23		1.000		YES			1.37	
129	1... PCB-157			NO	0.960	1.000	48.50		1.000		YES			1.46	
130	1... PCB-169			NO	1.04	1.000	50.77		1.000		YES			1.45	
131	1... PCB-188			NO	1.15	1.000	42.87		1.001		YES			1.11	
132	1... PCB-184			NO	1.14	1.000	43.32		1.011		YES			1.12	
133	1... PCB-179			NO	1.07	1.000	44.12		1.030		YES			1.19	
134	1... PCB-176			NO	1.11	1.000	44.59		1.041		YES			1.15	
135	1... PCB-186			NO	1.23	1.000	45.24		1.056		YES			1.04	
136	1... PCB-178			NO	0.830	1.000	45.75		1.068		YES			1.54	
137	1... PCB-175			NO	0.853	1.000	46.09		1.076		YES			1.49	
138	1... PCB-182/187			NO	0.942	1.000	46.28		1.081		YES			1.35	
139	1... PCB-183			NO	0.910	1.000	46.60		1.088		YES			1.40	
140	1... PCB-185			NO	1.24	1.000	47.28		0.954		YES			1.71	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
141	1... PCB-174			NO	1.20	1.000	47.66		0.962		YES			1.77	
142	1... PCB-181			NO	1.33	1.000	47.76		0.964		YES			1.59	
143	1... PCB-177			NO	1.14	1.000	47.93		0.967		YES			1.86	
144	1... PCB-171			NO	1.22	1.000	48.24		0.974		YES			1.74	
145	1... PCB-173			NO	1.07	1.000	48.68		0.983		YES			1.98	
146	1... PCB-172			NO	1.26	1.000	49.14		0.992		YES			1.69	
147	1... PCB-192			NO	1.61	1.000	49.35		0.996		YES			1.31	
148	1... PCB-180			NO	1.30	1.000	49.56		1.000		YES			1.63	
149	1... PCB-193			NO	1.47	1.000	49.78		1.005		YES			1.44	
150	1... PCB-191			NO	1.51	1.000	50.03		1.010		YES			1.41	
151	1... PCB-170			NO	1.23	1.000	51.22		1.000		YES			1.74	
152	1... PCB-190			NO	1.61	1.000	51.44		1.005		YES			1.33	
153	1... PCB-189			NO	1.27	1.000	52.93		1.000		YES			1.25	
154	1... PCB-202			NO	0.995	1.000	48.46		1.001		YES			0.829	
155	1... PCB-201			NO	0.904	1.000	48.95		1.011		YES			0.912	
156	1... PCB-204			NO	0.955	1.000	49.10		1.014		YES			0.864	
157	1... PCB-197			NO	0.964	1.000	49.42		1.021		YES			0.855	
158	1... PCB-200			NO	0.911	1.000	50.35		1.040		YES			0.905	
159	1... PCB-198			NO	0.696	1.000	51.90		1.072		YES			1.19	
160	1... PCB-199			NO	0.706	1.000	52.04		1.075		YES			1.17	
161	1... PCB-196/203			NO	0.754	1.000	52.34		1.081		YES			1.09	
162	1... PCB-195			NO	0.957	1.000	53.62		0.984		YES			0.838	
163	1... PCB-194	3.47e2	0.94	NO	1.06	1.000	54.54	54.52	1.000	1.000	NO	4.329		0.756	4.329
164	1... PCB-205			NO	1.27	1.000	54.81		1.005		YES			0.632	
165	1... PCB-208	1.74e2	2.38	YES	0.861	1.000	53.78	53.79	1.000	1.000	NO	2.123		0.538	1.469
166	1... PCB-207	1.45e2	1.53	NO	0.849	1.000	54.11	54.13	1.007	1.007	NO	1.800		0.545	1.800
167	1... PCB-206	1.05e2	1.34	NO	0.951	1.000	56.08	56.07	1.000	1.000	NO	1.599		0.664	1.599
168	1... PCB-209	9.30e1	0.72	YES	0.863	1.000	57.30	57.32	1.000	1.000	NO	1.360		0.418	1.057
169	1... 13C-PCB-1	2.28e6	3.19	NO	0.937	1.000	15.43	15.42	0.608	0.608	NO	10680	107	6.20	
170	1... 13C-PCB-3	2.22e6	3.18	NO	0.934	1.000	18.06	18.04	0.712	0.711	NO	10400	104	6.22	
171	1... 13C-PCB-4	1.44e6	1.62	NO	0.599	1.000	19.41	19.40	0.765	0.765	NO	10560	106	2.79	
172	1... 13C-PCB-9	2.30e6	1.59	NO	0.960	1.000	21.22	21.21	0.836	0.836	NO	10510	105	1.74	
173	1... 13C-PCB-11	2.24e6	1.60	NO	0.929	1.000	24.65	24.66	0.971	0.972	NO	10550	106	1.80	
174	1... 13C-PCB-19	1.23e6	1.01	NO	0.506	1.000	23.62	23.62	0.931	0.931	NO	10620	106	33.4	
175	1... 13C-PCB-32	1.79e6	1.03	NO	0.738	1.000	26.61	26.60	1.049	1.048	NO	10600	106	22.9	
176	1... 13C-PCB-28	2.12e6	1.06	NO	1.06	1.000	28.61	28.61	1.004	1.004	NO	10640	106	23.0	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

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Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

#	Name	Resp	RA	n/y	RRF	w/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
177	1... 13C-PCB-37	1.88e6	1.05	NO	0.979	1.000	32.59	32.59	1.143	1.144	NO	10220	102	24.9	
178	1... 13C-PCB-54	1.51e6	0.79	NO	0.981	1.000	27.49	27.46	0.753	0.752	NO	10560	106	5.36	
179	1... 13C-PCB-52	1.20e6	0.78	NO	0.786	1.000	31.10	31.11	0.852	0.852	NO	10470	105	6.68	
180	1... 13C-PCB-47	1.27e6	0.77	NO	0.833	1.000	31.63	31.63	0.866	0.866	NO	10500	105	6.31	
181	1... 13C-PCB-70	1.51e6	0.80	NO	0.981	1.000	35.25	35.26	0.965	0.965	NO	10570	106	5.36	
182	1... 13C-PCB-80	1.55e6	0.78	NO	1.01	1.000	35.68	35.68	0.977	0.977	NO	10520	105	5.18	
183	1... 13C-PCB-81	1.52e6	0.78	NO	0.995	1.000	38.88	38.88	1.064	1.065	NO	10460	105	5.28	
184	1... 13C-PCB-77	1.45e6	0.79	NO	0.977	1.000	39.50	39.50	1.082	1.082	NO	10190	102	5.38	
185	1... 13C-PCB-104	1.25e6	1.58	NO	1.00	1.000	32.30	32.30	0.826	0.826	NO	10760	108	4.16	
186	1... 13C-PCB-95	9.60e5	1.58	NO	0.779	1.000	35.55	35.55	0.910	0.910	NO	10690	107	5.36	
187	1... 13C-PCB-101	1.04e6	1.58	NO	0.833	1.000	37.30	37.30	0.954	0.954	NO	10840	108	5.01	
188	1... 13C-PCB-97	8.51e5	1.62	NO	0.679	1.000	38.64	38.64	0.988	0.989	NO	10870	109	6.15	
189	1... 13C-PCB-123	1.22e6	1.56	NO	0.970	1.000	41.28	41.28	1.056	1.056	NO	10880	109	4.30	
190	1... 13C-PCB-118	1.23e6	1.60	NO	1.00	1.000	41.49	41.47	1.061	1.061	NO	10670	107	4.17	
191	1... 13C-PCB-114	1.29e6	1.59	NO	1.55	1.000	42.15	42.15	0.908	0.907	NO	10550	106	4.70	
192	1... 13C-PCB-105	1.34e6	1.60	NO	1.59	1.000	43.04	43.04	0.927	0.927	NO	10670	107	4.57	
193	1... 13C-PCB-127	1.42e6	1.60	NO	1.66	1.000	43.40	43.40	0.934	0.934	NO	10900	109	4.39	
194	1... 13C-PCB-126	1.27e6	1.63	NO	1.65	1.000	45.35	45.35	0.976	0.976	NO	9783	97.8	4.42	
195	1... 13C-PCB-155	1.02e6	1.27	NO	0.819	1.000	36.81	36.82	0.942	0.942	NO	10810	108	2.78	
196	1... 13C-PCB-153	1.12e6	1.22	NO	1.31	1.000	43.22	43.21	0.930	0.930	NO	10830	108	4.35	
197	1... 13C-PCB-141	9.33e5	1.28	NO	1.08	1.000	43.99	43.97	0.947	0.947	NO	10930	109	5.27	
198	1... 13C-PCB-138	9.70e5	1.27	NO	1.15	1.000	44.84	44.84	0.965	0.965	NO	10680	107	4.96	
199	1... 13C-PCB-159	1.13e6	1.29	NO	1.39	1.000	46.16	46.17	0.994	0.994	NO	10280	103	4.10	
200	2... 13C-PCB-167	1.20e6	1.25	NO	1.43	1.000	46.88	46.88	1.009	1.009	NO	10670	107	4.00	
201	2... 13C-PCB-156	1.11e6	1.25	NO	1.34	1.000	48.22	48.21	1.038	1.038	NO	10550	106	4.26	
202	2... 13C-PCB-157	1.12e6	1.26	NO	1.36	1.000	48.48	48.48	1.044	1.044	NO	10500	105	4.20	
203	2... 13C-PCB-169	1.11e6	1.24	NO	1.33	1.000	50.75	50.75	1.092	1.093	NO	10560	106	4.29	
204	2... 13C-PCB-188	1.02e6	0.44	NO	1.39	1.000	42.83	42.83	0.925	0.925	NO	10950	110	4.57	
205	2... 13C-PCB-180	6.39e5	0.46	NO	0.907	1.000	49.55	49.54	1.071	1.070	NO	10480	105	7.00	
206	2... 13C-PCB-170	6.02e5	0.45	NO	0.823	1.000	51.20	51.21	1.106	1.106	NO	10890	109	7.72	
207	2... 13C-PCB-189	7.42e5	0.46	NO	1.08	1.000	52.91	52.91	1.143	1.143	NO	10260	103	5.90	
208	2... 13C-PCB-202	9.20e5	0.96	NO	1.23	1.000	48.43	48.42	1.046	1.046	NO	11100	111	3.00	
209	2... 13C-PCB-194	7.56e5	0.92	NO	0.710	1.000	54.52	54.52	0.995	0.995	NO	10410	104	5.51	
210	2... 13C-PCB-208	9.50e5	0.79	NO	0.865	1.000	53.76	53.76	0.981	0.981	NO	10720	107	5.47	
211	2... 13C-PCB-206	6.89e5	0.79	NO	0.623	1.000	56.07	56.06	1.023	1.023	NO	10800	108	7.60	
212	2... 13C-PCB-209	7.93e5	1.18	NO	0.725	1.000	57.31	57.30	1.046	1.046	NO	10680	107	0.941	

Dataset: U:\VG11.PRO\Results\201125K1\201125K1-10.qld

Last Altered: Thursday, November 26, 2020 08:23:15 Pacific Standard Time

Printed: Thursday, November 26, 2020 08:25:36 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

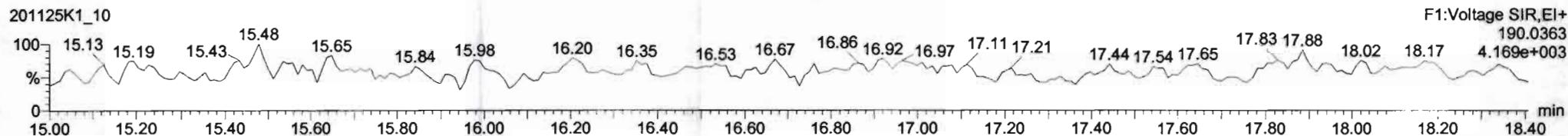
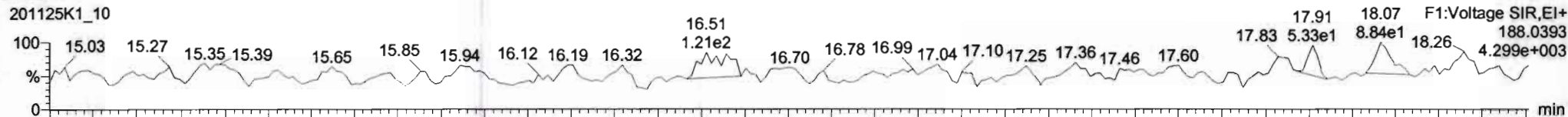
	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.R...	RRT	Check RRT	Conc.	%Rec	DL	EMPC
213	2... 13C-PCB-15	2.28e6	1.61	NO	1.00	1.000	25.39	25.37	1.000	0.000	NO	10000	100	1.67	
214	2... 13C-PCB-31	1.88e6	1.06	NO	1.00	1.000	28.52	28.50	1.000	0.000	NO	10000	100	24.4	
215	2... 13C-PCB-60	1.46e6	0.80	NO	1.00	1.000	36.54	36.52	1.000	0.000	NO	10000	100	5.26	
216	2... 13C-PCB-111	1.15e6	1.61	NO	1.00	1.000	39.11	39.09	1.000	0.000	NO	10000	100	4.17	
217	2... 13C-PCB-128	7.88e5	1.25	NO	1.00	1.000	46.47	46.45	1.000	0.000	NO	10000	100	5.71	
218	2... 13C-PCB-182	6.72e5	0.46	NO	1.00	1.000	46.30	46.28	0.000	0.000	NO	10000	100	6.35	
219	2... 13C-PCB-205	1.02e6	0.91	NO	1.00	1.000	54.81	54.78	1.000	0.000	NO	10000	100	3.91	
220	2... 13C-PCB-79	1.69e6	0.80	NO	1.04	1.000	37.62	37.62	1.030	1.030	NO	11200	112	5.07	
221	2... 13C-PCB-178	7.33e5	0.46	NO	0.774	1.000	45.72	45.71	0.988	0.988	NO	12020	120	6.70	
222	2... 13C-PCB-79	1.69e6	0.80	NO	1.04	1.000	37.63	37.62	0.968	0.967	NO	10700	107	4.88	
223	2... 13C-PCB-178	7.33e5	0.46	NO	1.02	1.000	45.71	45.71	0.923	0.923	NO	11270	113	6.43	

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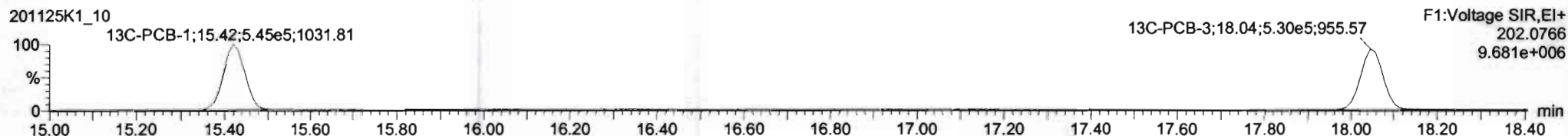
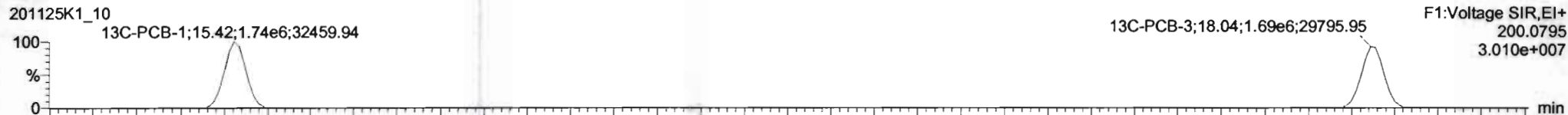
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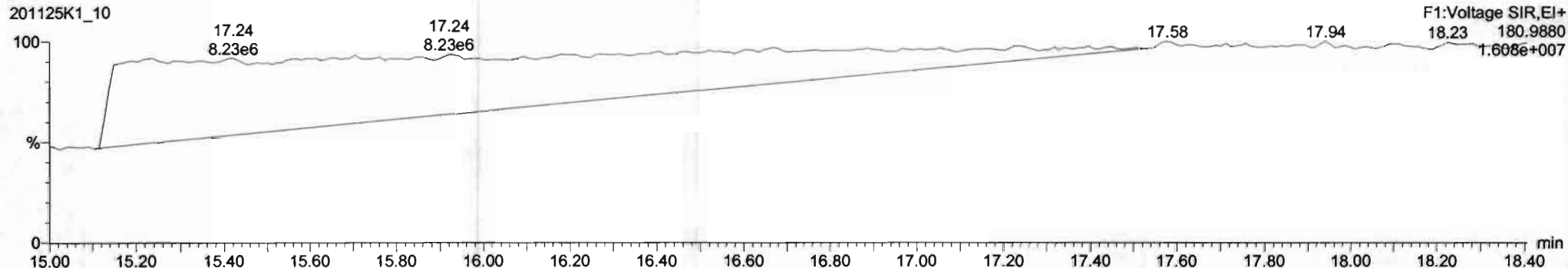
**PCB-1**



**13C-PCB-1**



**PFK1**



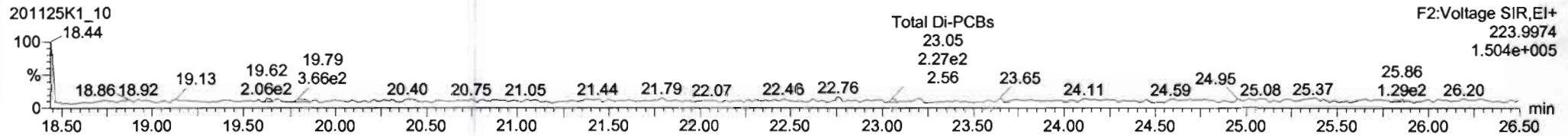
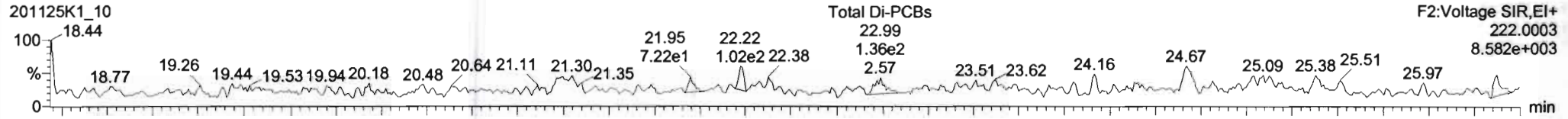
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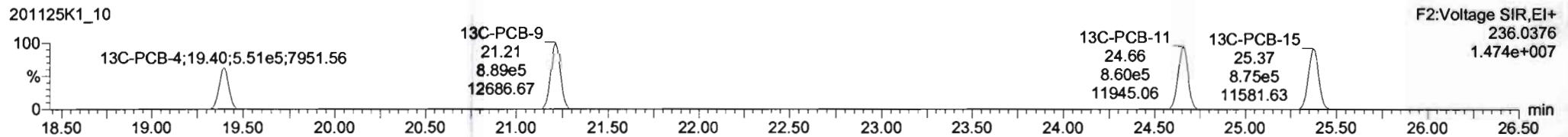
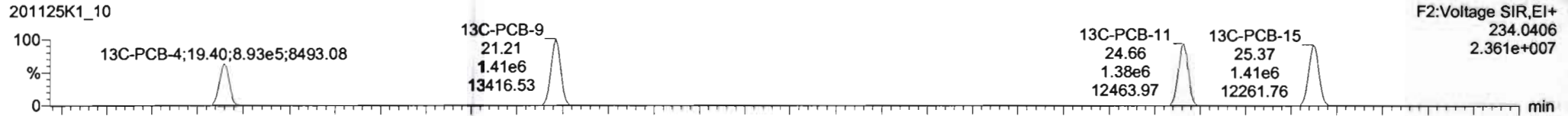
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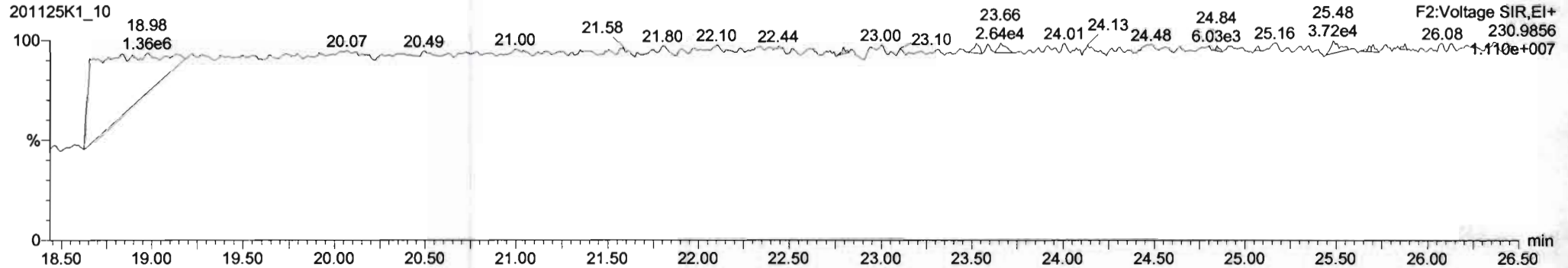
**PCB-4/10**



**13C-PCB-4**



**PFK2a**



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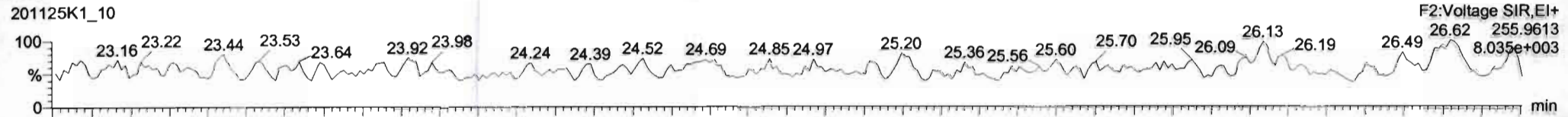
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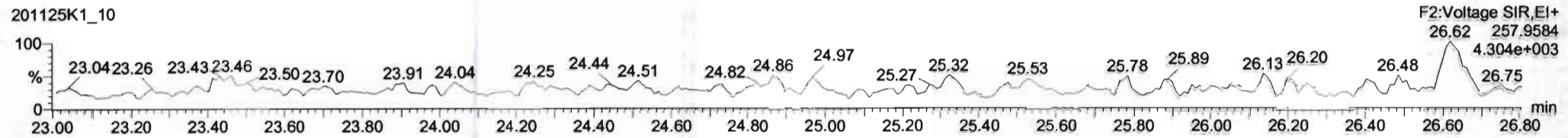
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**PCB-19**

201125K1\_10



201125K1\_10

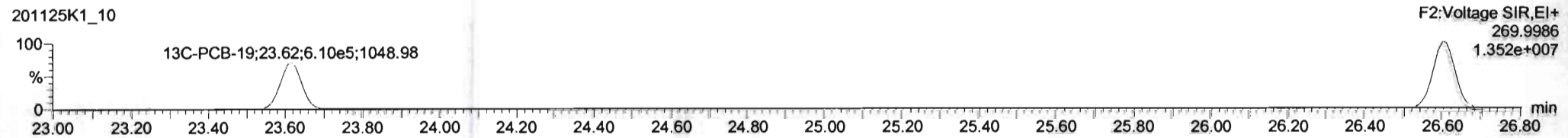


**13C-PCB-19**

201125K1\_10

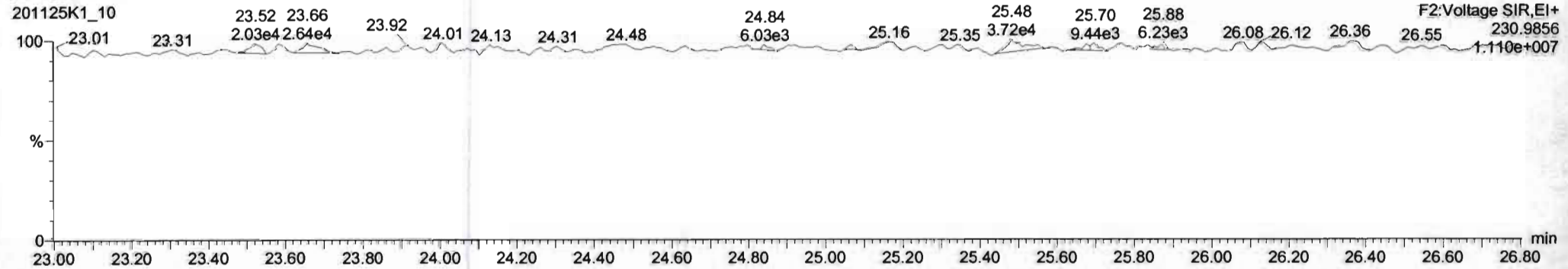


201125K1\_10



**PFK2b**

201125K1\_10





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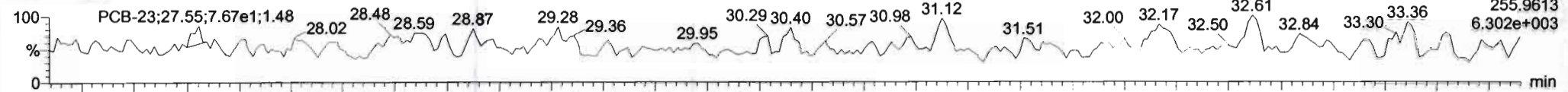
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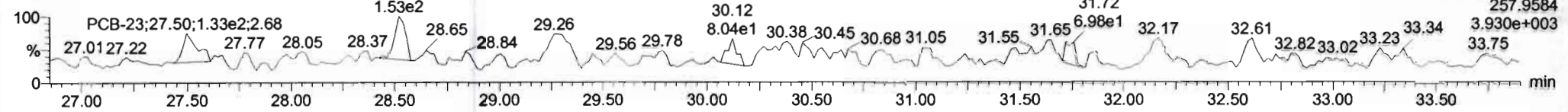
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**PCB-34**

201125K1\_10



201125K1\_10

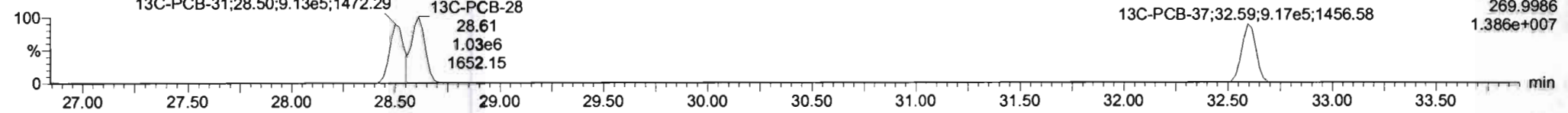


**13C-PCB-28**

201125K1\_10

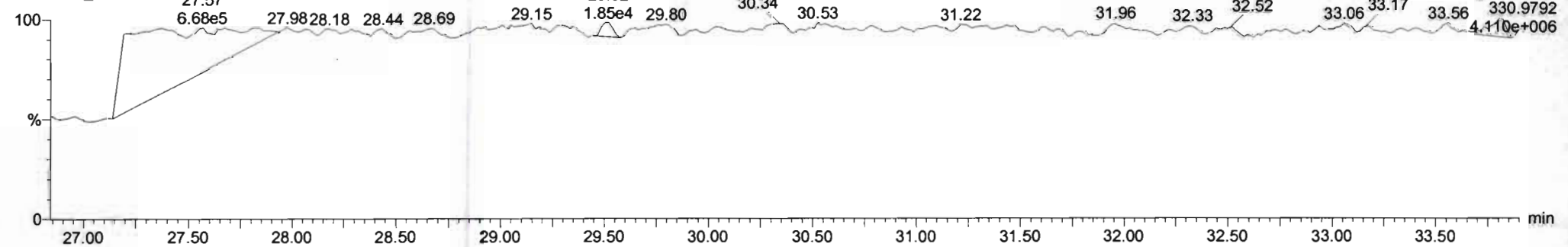


201125K1\_10



**PFK3d**

201125K1\_10



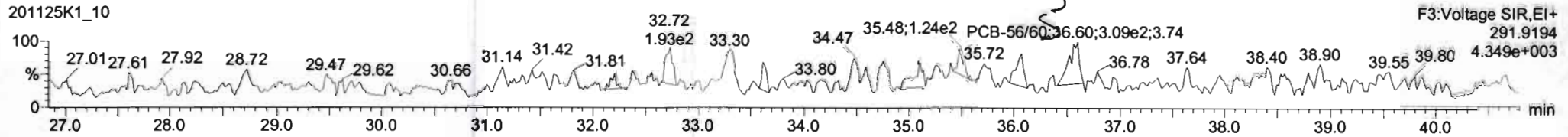
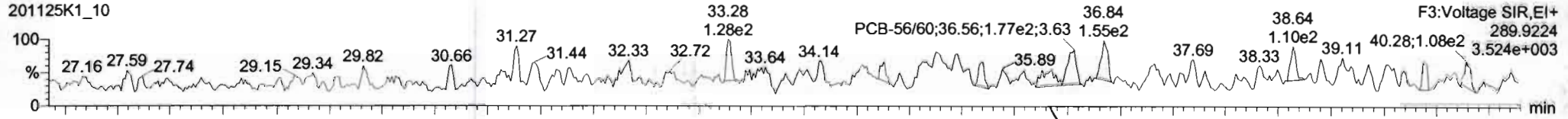
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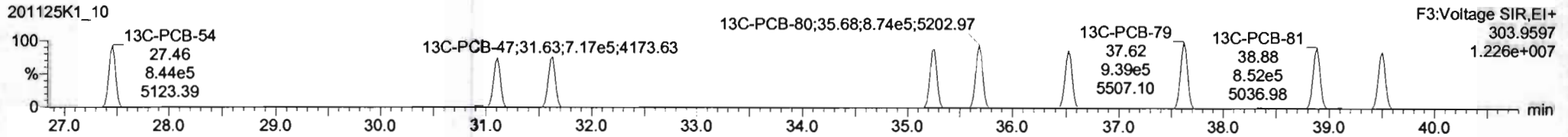
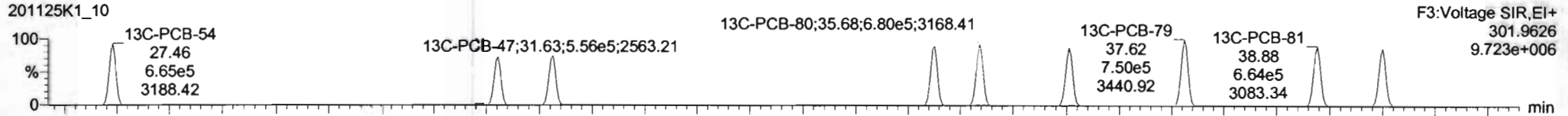
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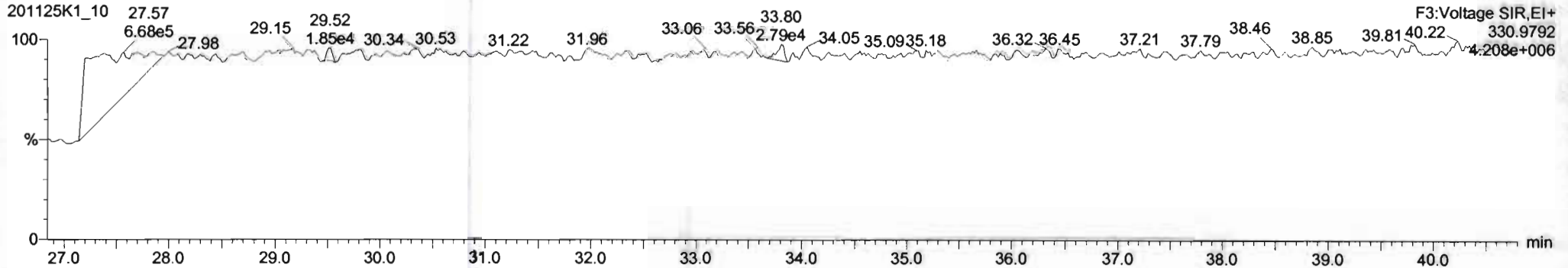
**PCB-54**



**13C-PCB-54**



**PFK3a**



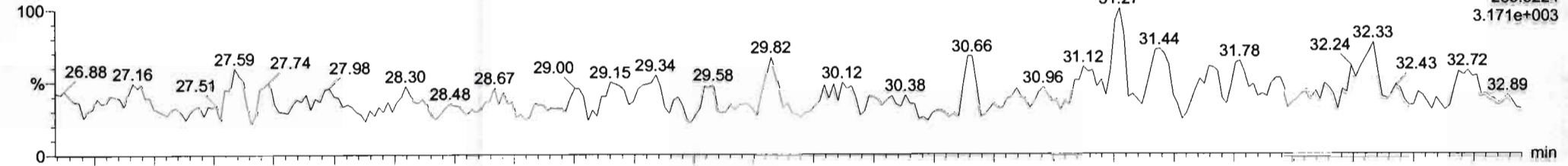
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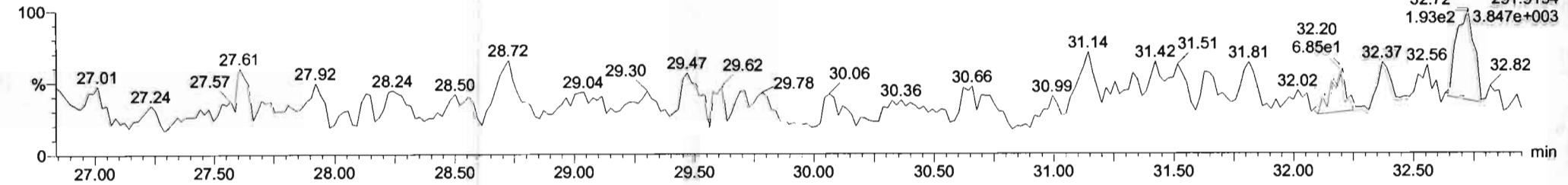
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PCB-50

201125K1\_10

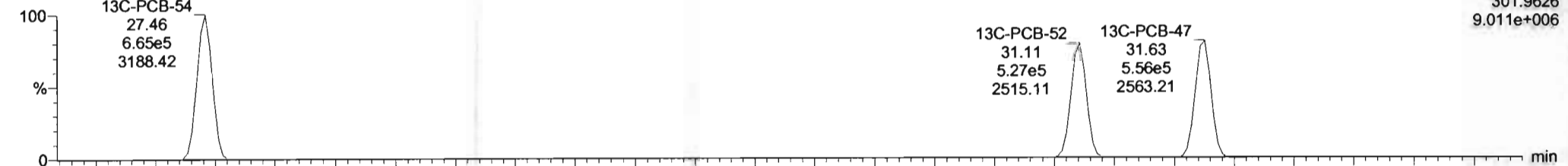


201125K1\_10

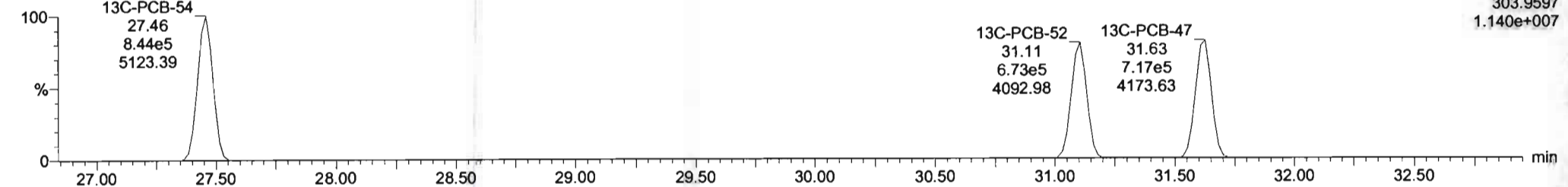


13C-PCB-52

201125K1\_10



201125K1\_10



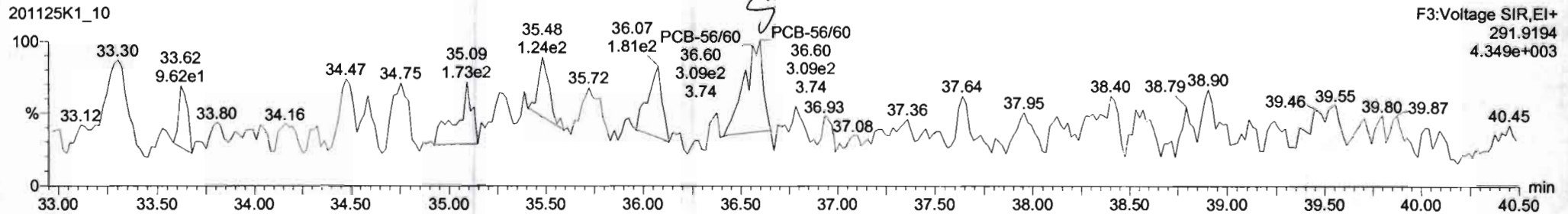
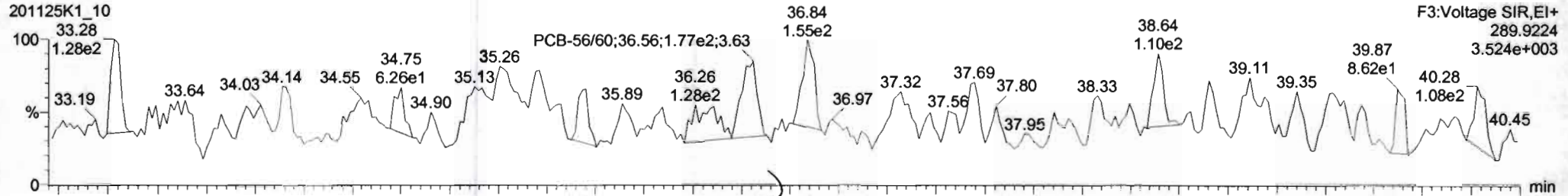
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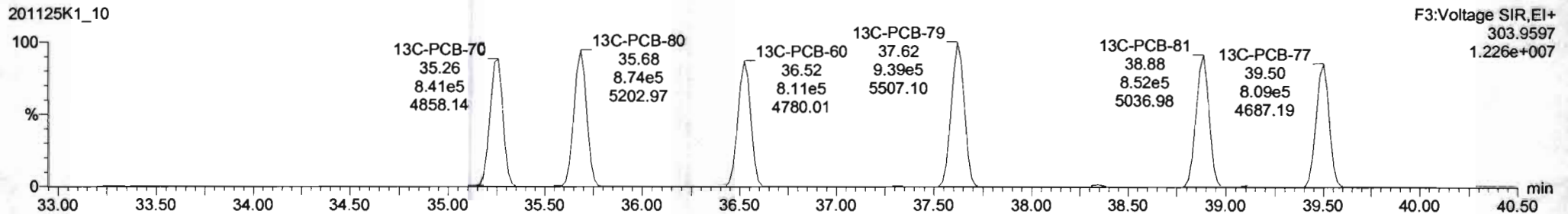
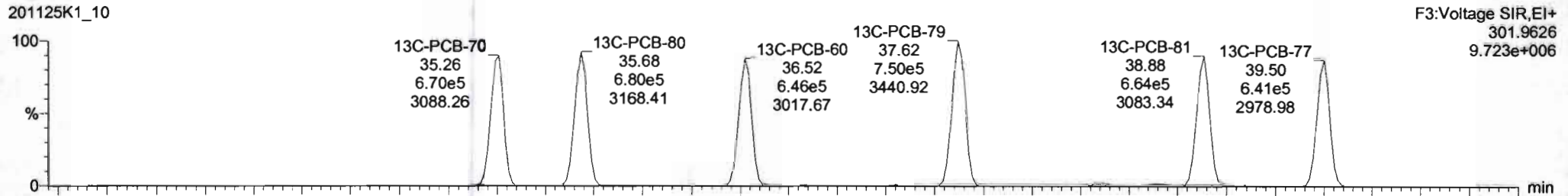
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PCB-68



13C-PCB-60



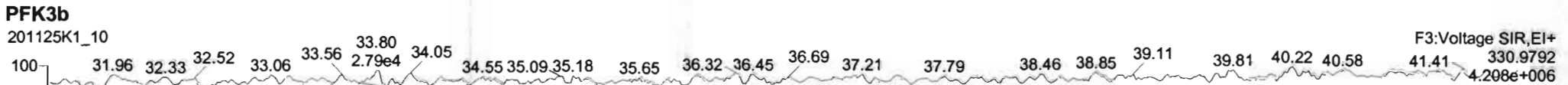
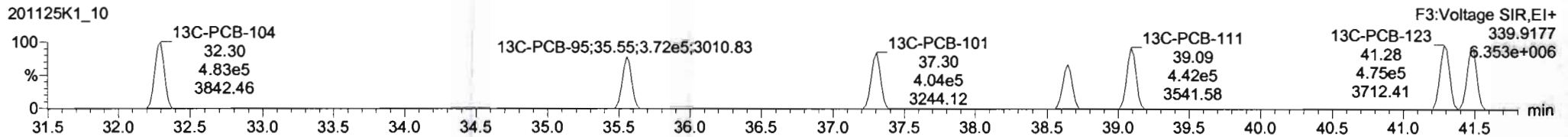
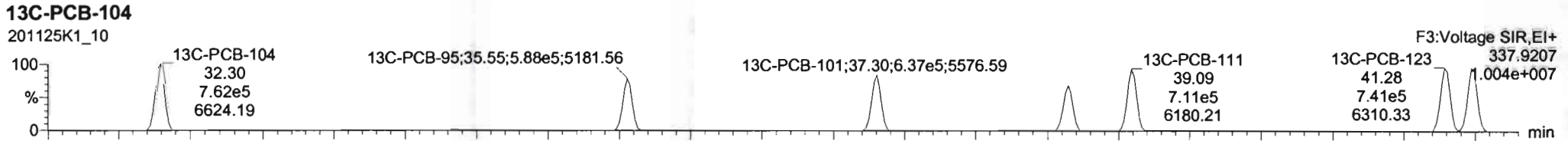
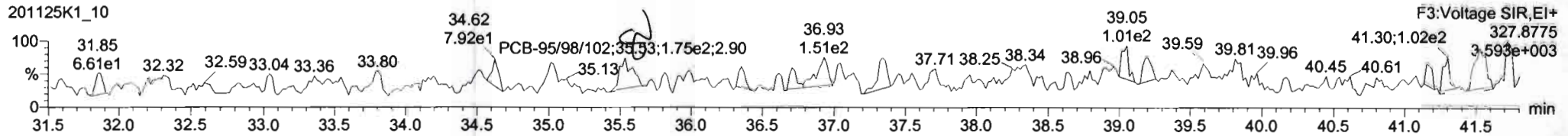
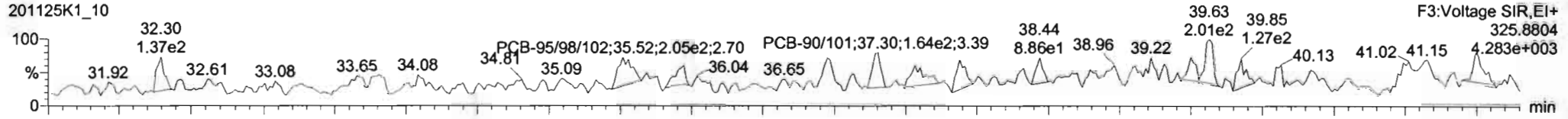
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Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-104**



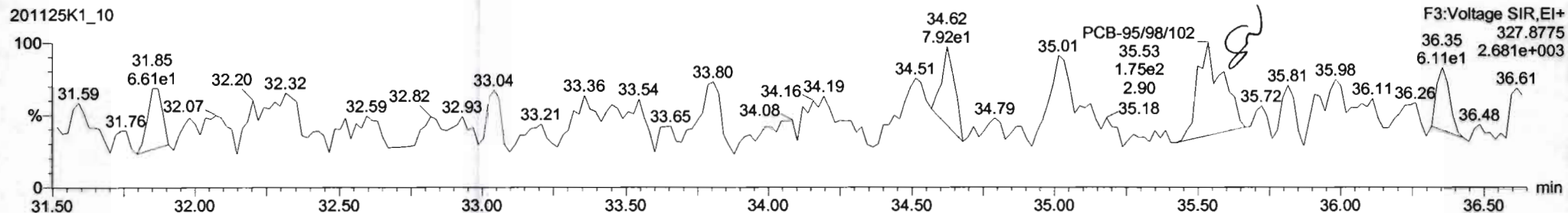
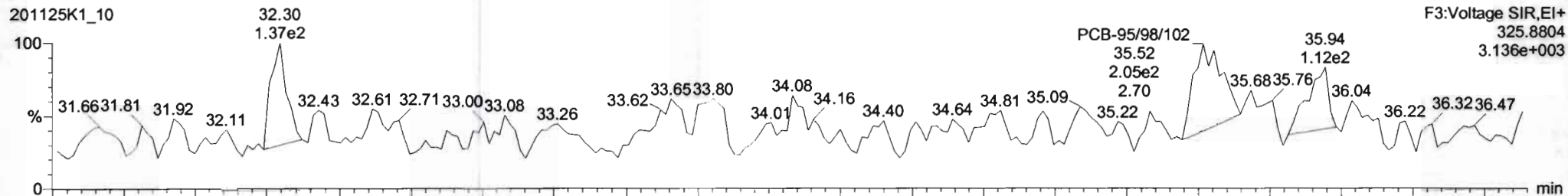
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

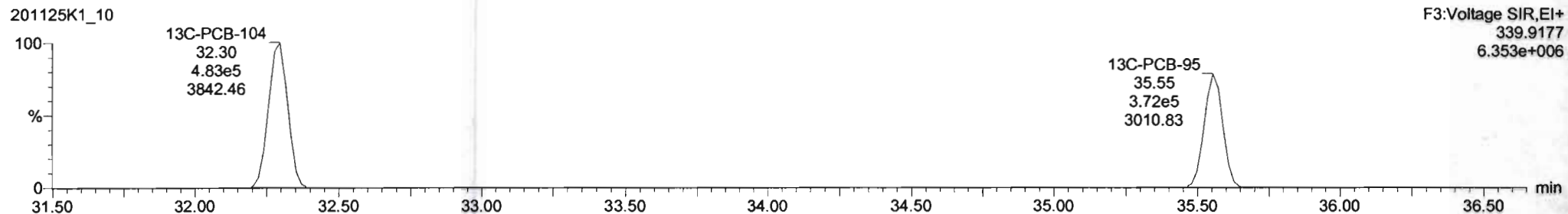
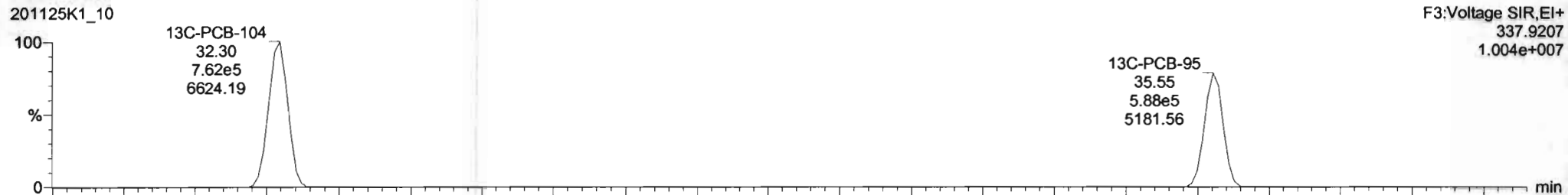
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-96**



**13C-PCB-95**



Dataset: Untitled

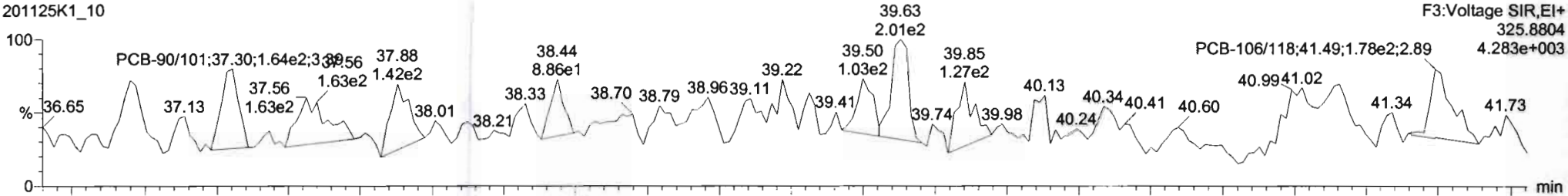
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

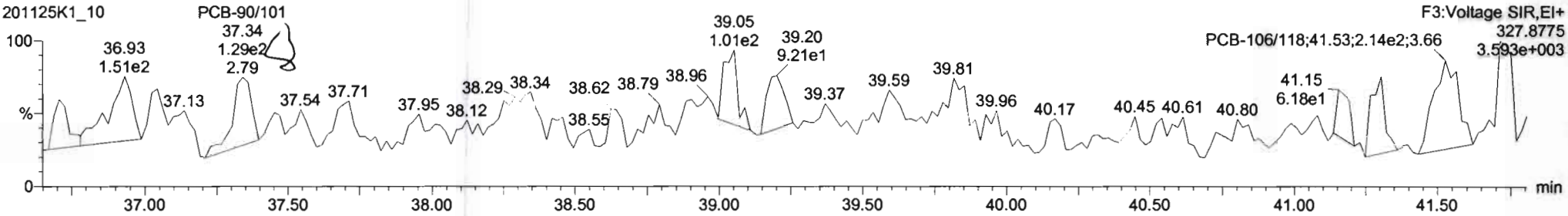
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-119**

201125K1\_10

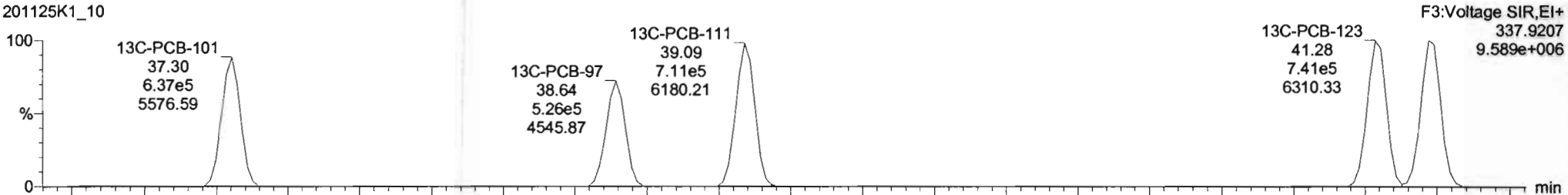


201125K1\_10

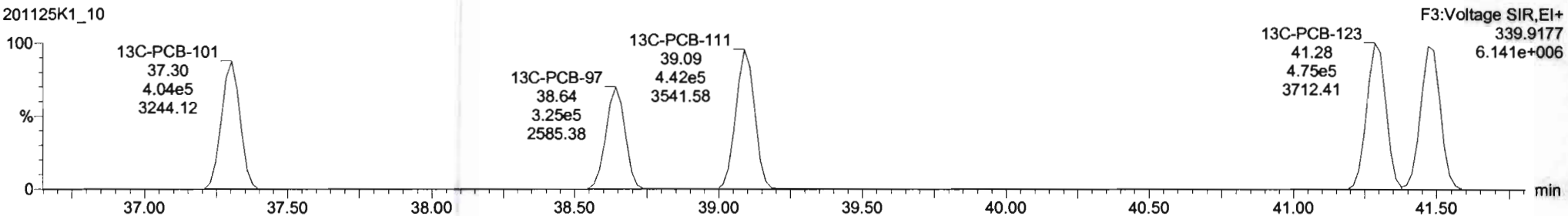


**13C-PCB-111**

201125K1\_10



201125K1\_10



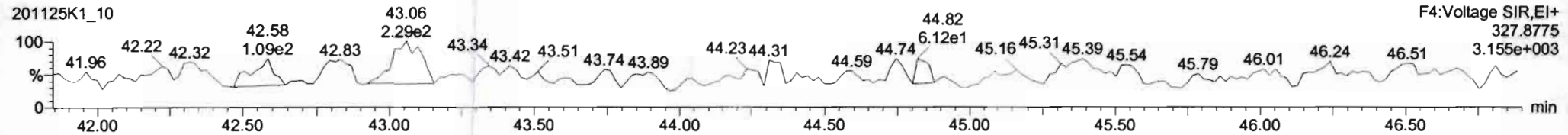
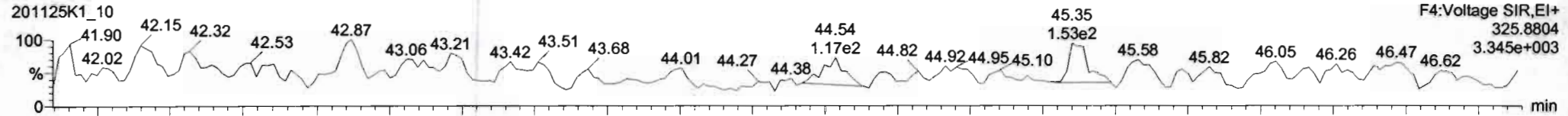
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

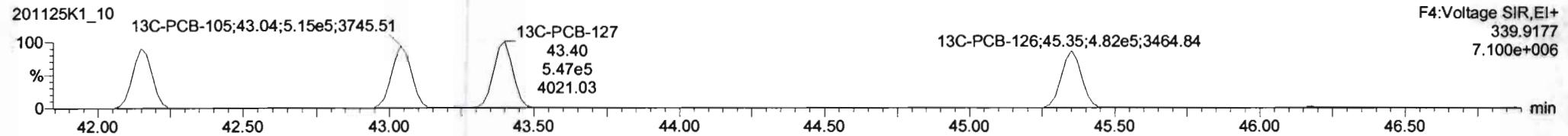
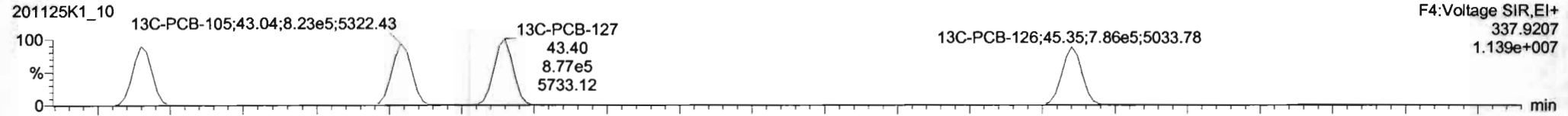
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

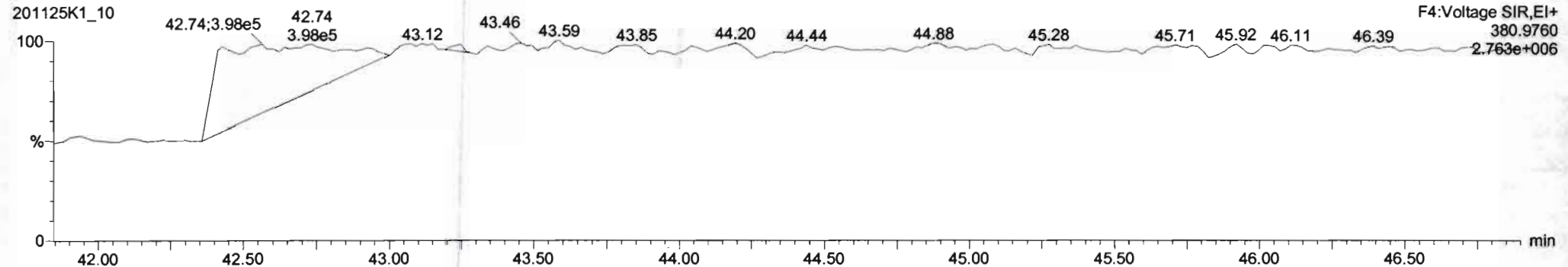
**PCB-114**



**13C-PCB-114**



**PFK4a**





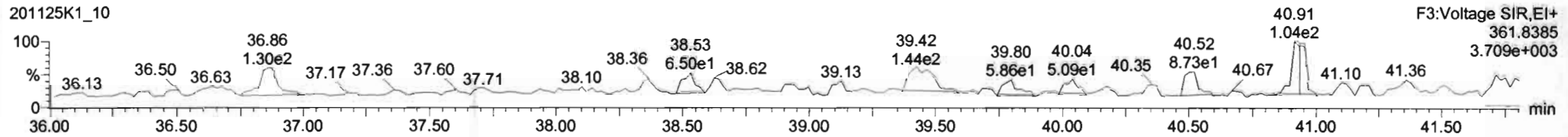
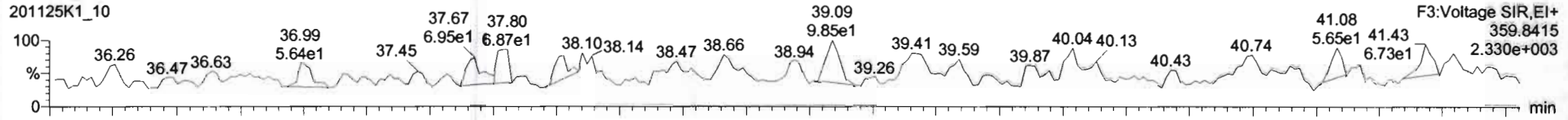
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

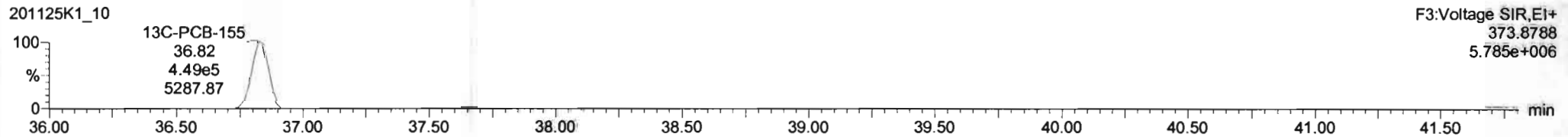
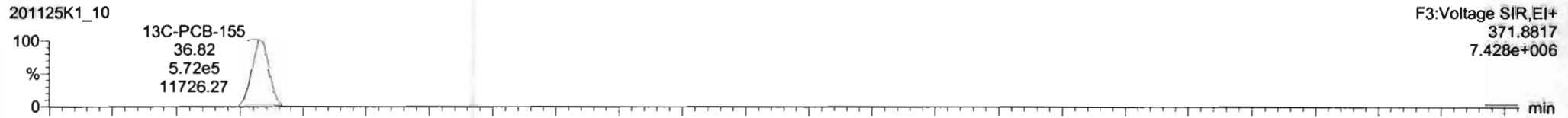
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

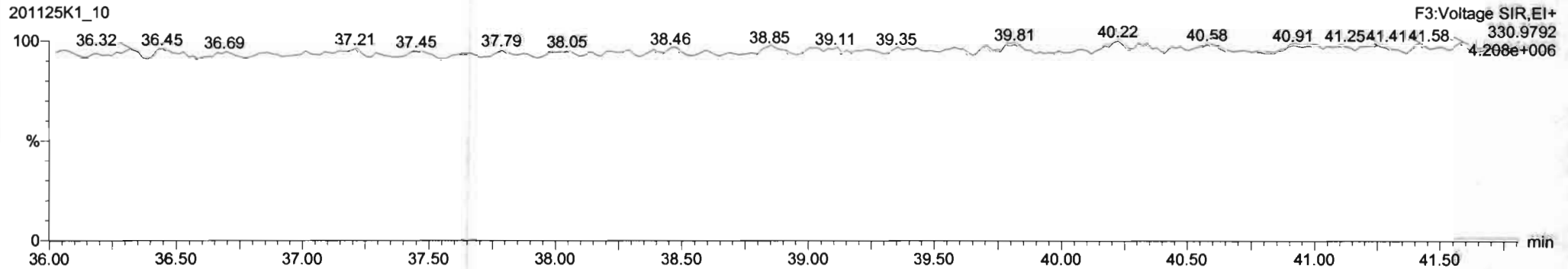
**PCB-155**



**13C-PCB-155**



**PFK3c**



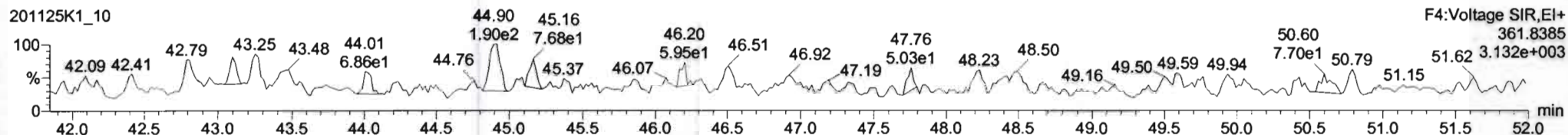
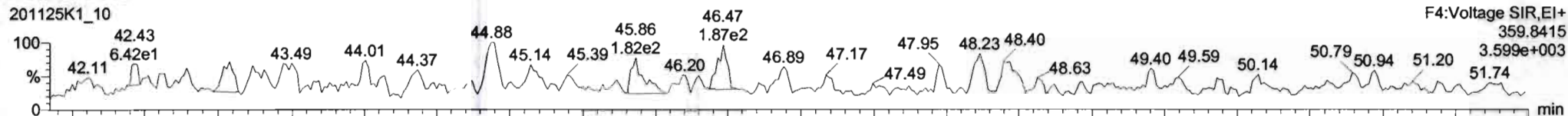
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

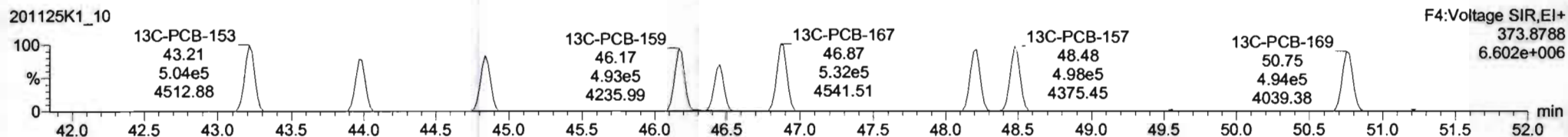
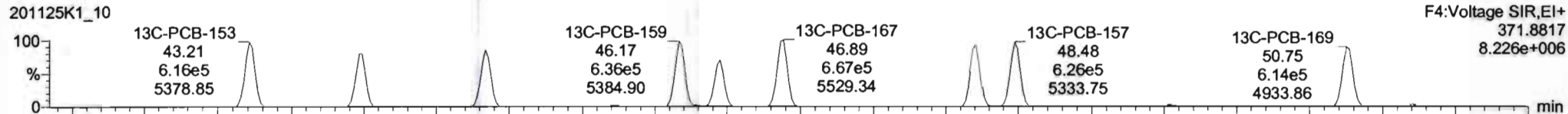
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

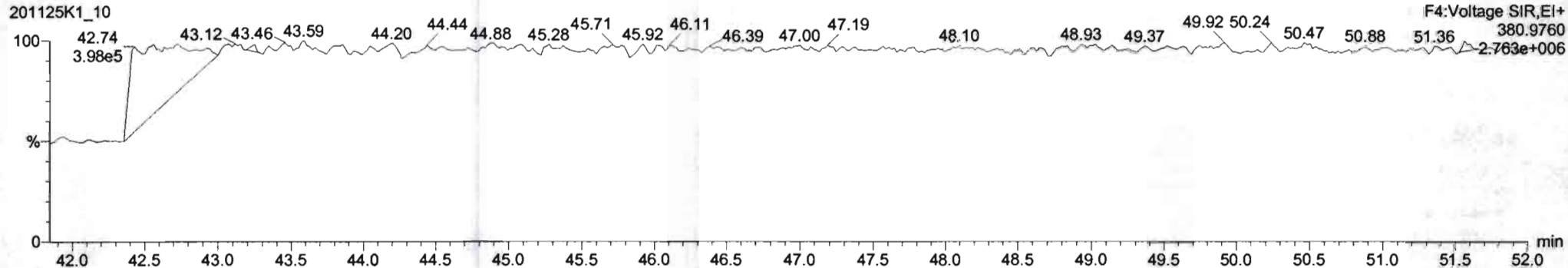
**PCB-134/143**



**13C-PCB-153**



**PFK4b**

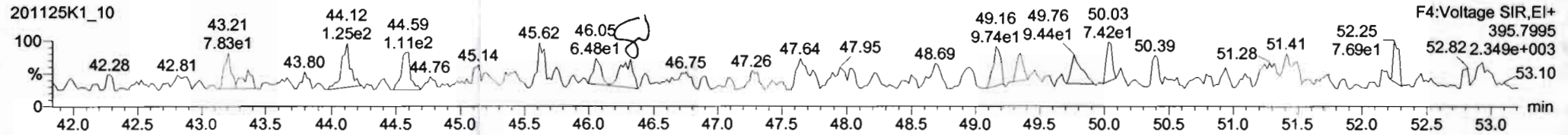
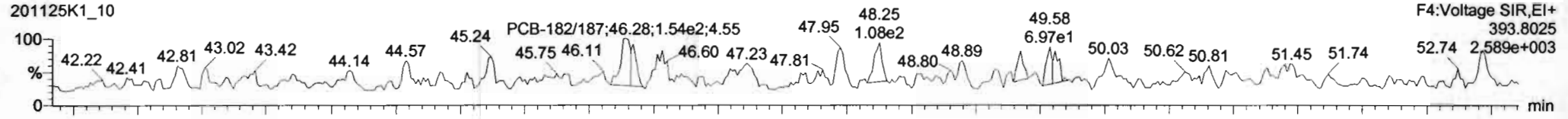


Dataset: Untitled

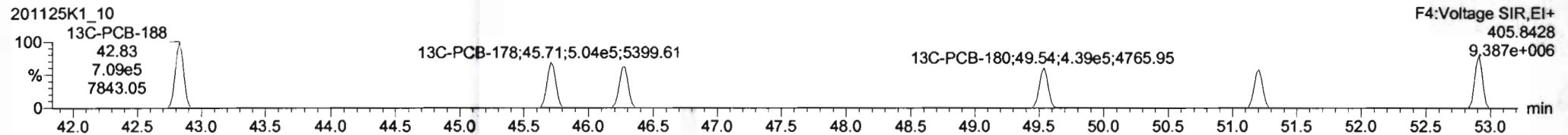
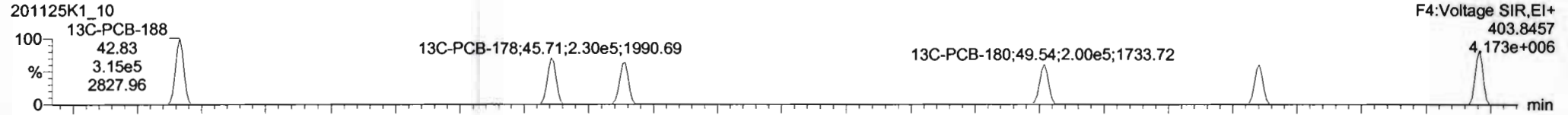
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

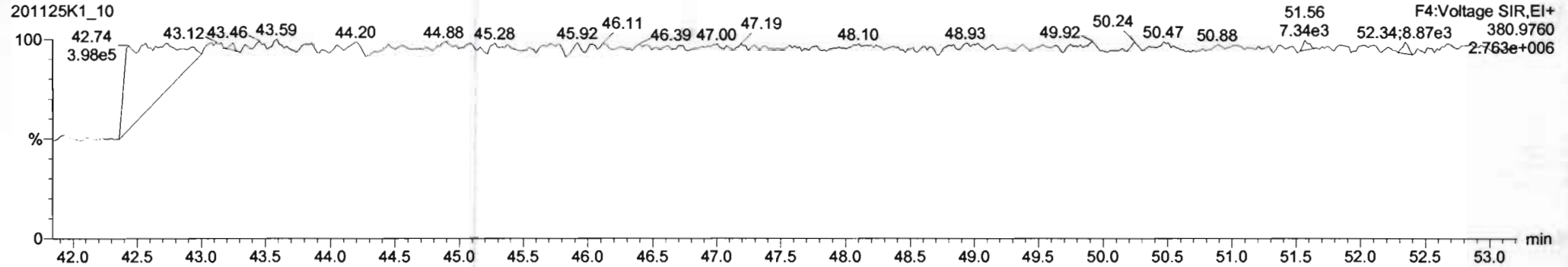
**PCB-188**



**13C-PCB-188**



**PFK4c**



Dataset: Untitled

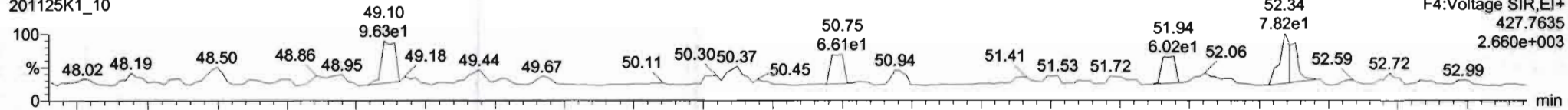
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

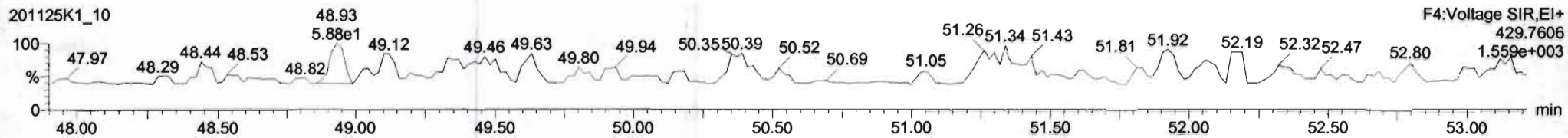
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-202**

201125K1\_10

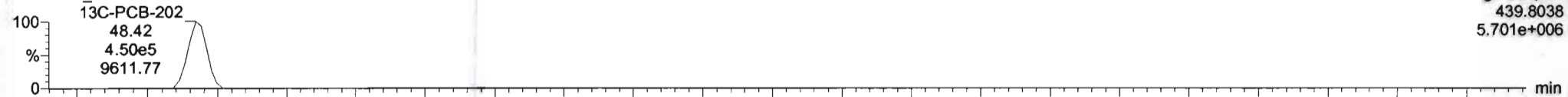


201125K1\_10

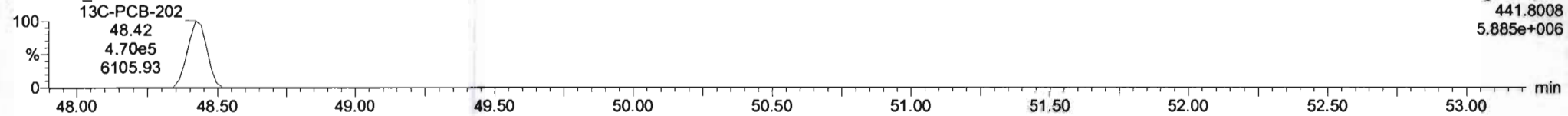


**13C-PCB-202**

201125K1\_10

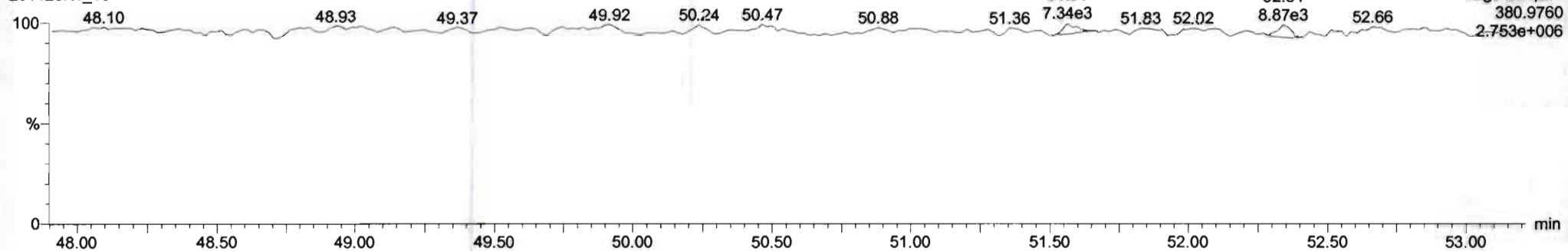


201125K1\_10



**PFK4d**

201125K1\_10

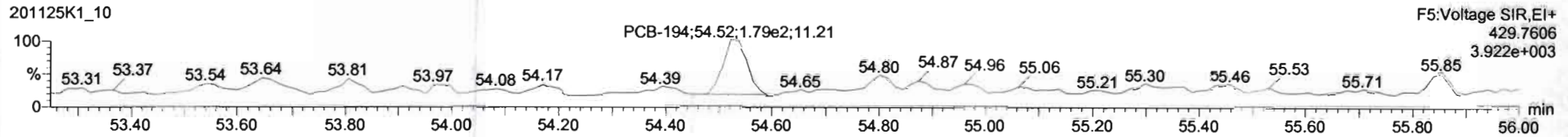
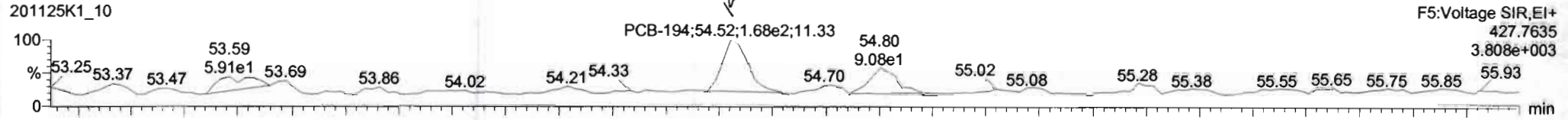


Dataset: Untitled

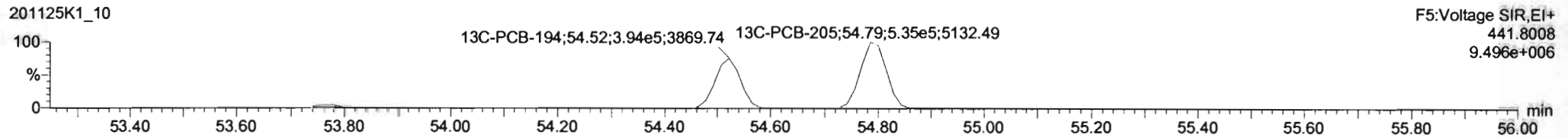
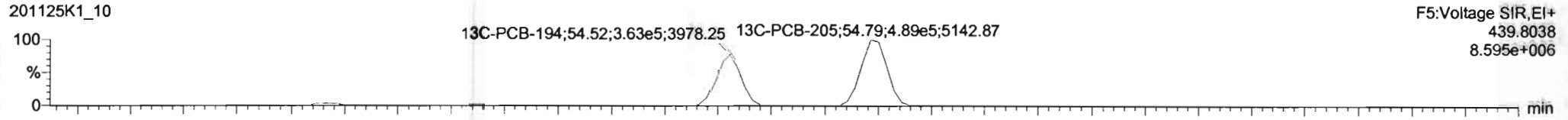
Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

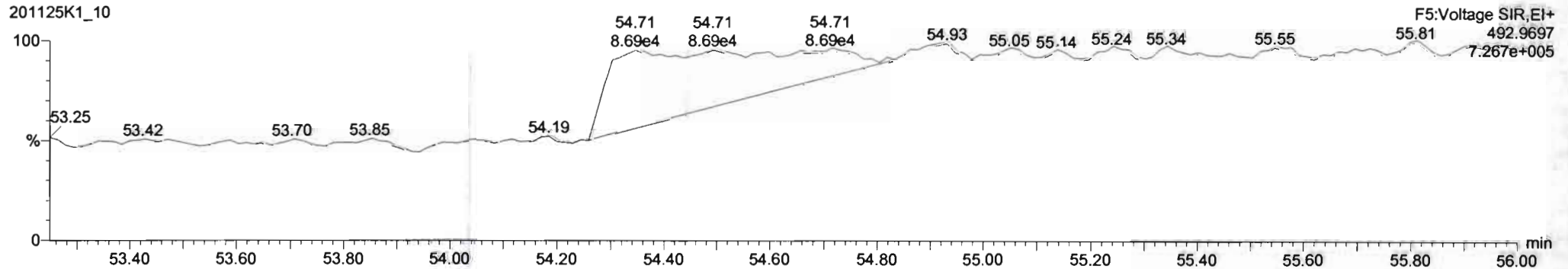
**PCB-195**



**13C-PCB-194**



**PFK5a**



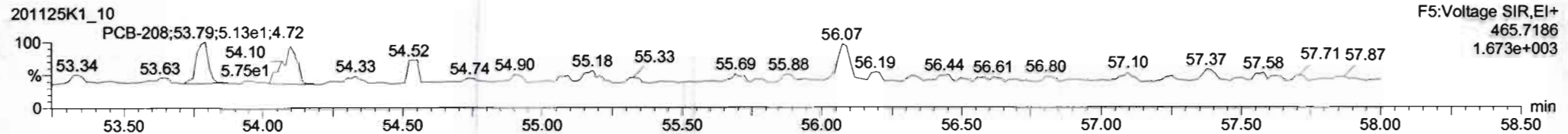
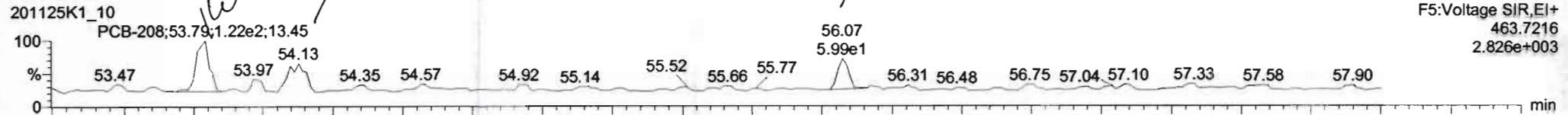
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time

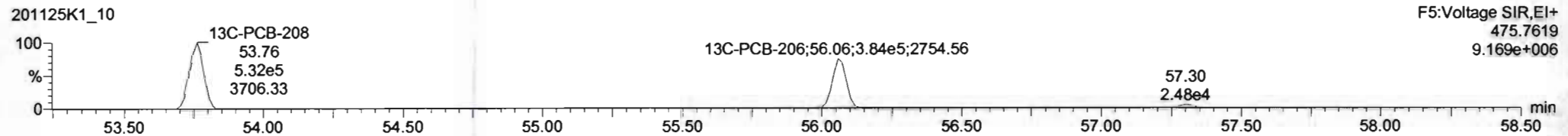
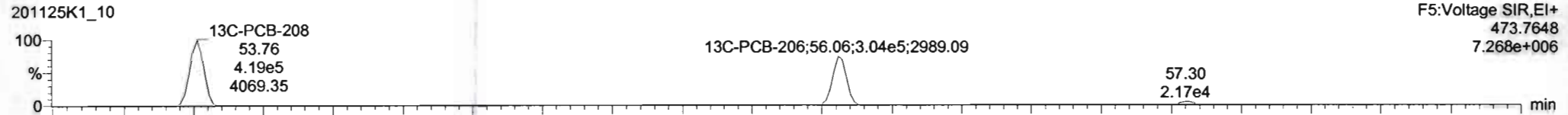
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

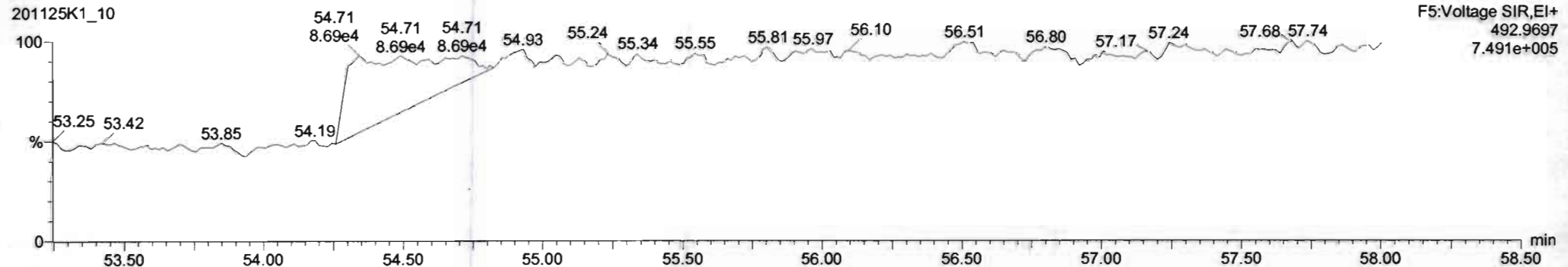
**PCB-208**

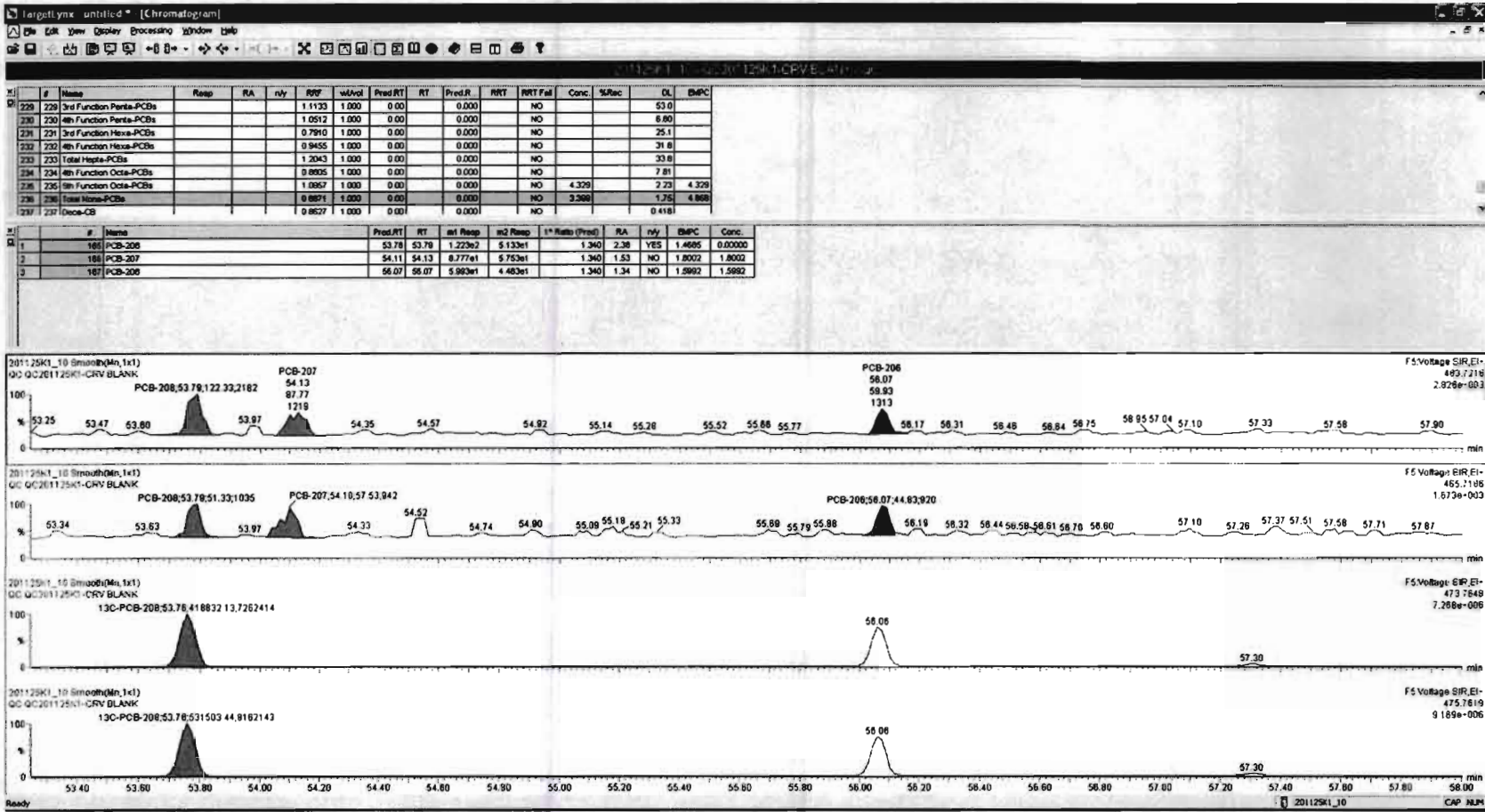


**13C-PCB-208**



**PFK5**





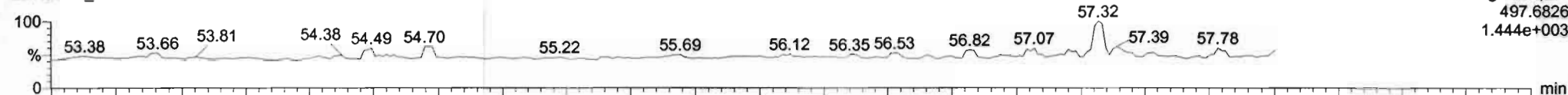
Dataset: Untitled

Last Altered: Thursday, November 26, 2020 07:53:09 Pacific Standard Time  
Printed: Thursday, November 26, 2020 07:54:19 Pacific Standard Time

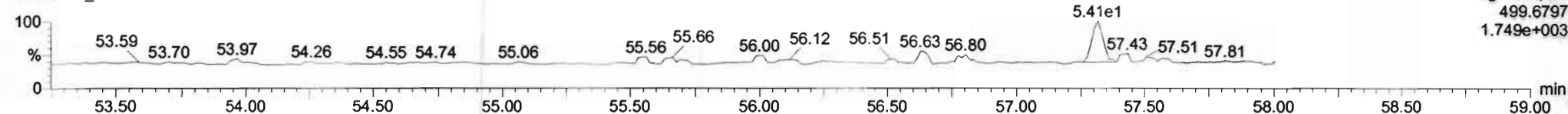
Name: 201125K1\_10, Date: 25-Nov-2020, Time: 19:00:53, ID: QC201125K1-CRV BLANK, Description: QC

**PCB-209**

201125K1\_10

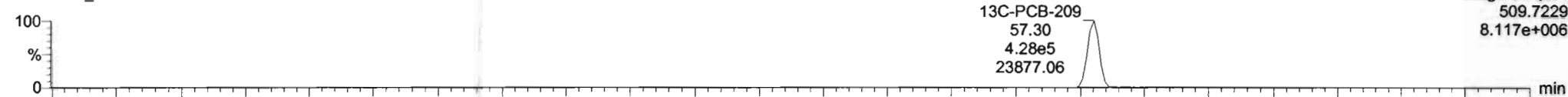


201125K1\_10

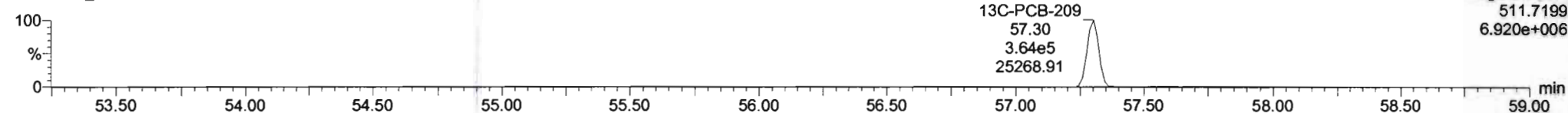


**13C-PCB-209**

201125K1\_10

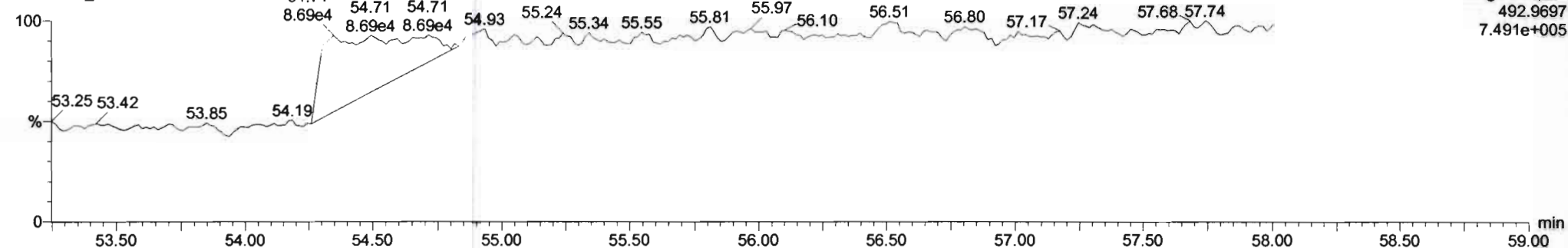


201125K1\_10



**PFK5b**

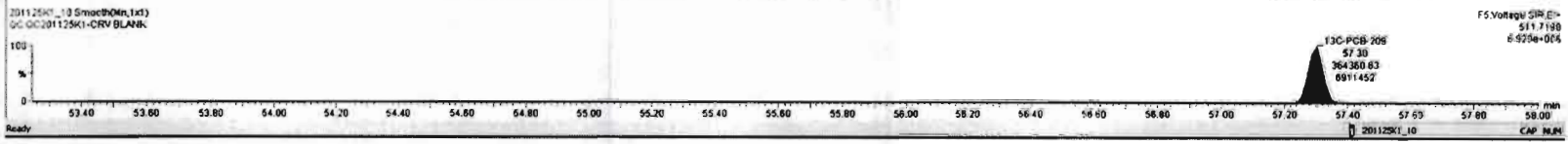
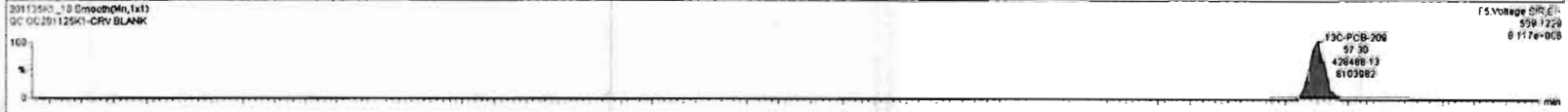
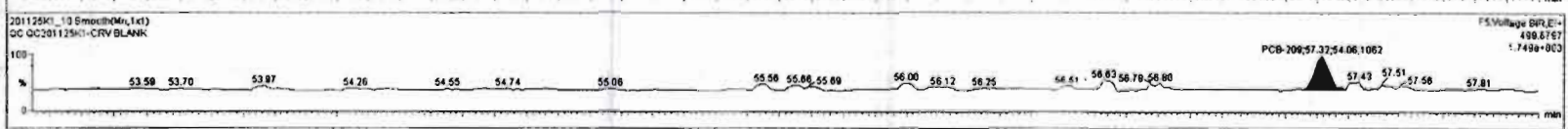
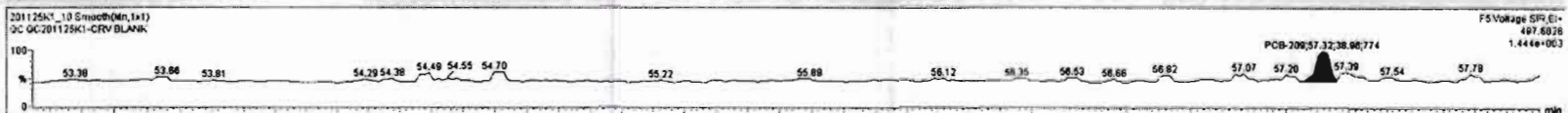
201125K1\_10





#	Name	Resp	RA	n/y	R/R	ndVol	Prod RT	RT	Prod R	RRT	RRT Fail	Conc	%Rec	DL	BMP
229	229 3rd Function Penta-PCBs				1.1133	1.000	0.00	0.000			NO			53.0	
230	230 4th Function Penta-PCBs				1.0512	1.000	0.00	0.000			NO			6.80	
231	231 3rd Function Hexa-PCBs				0.7916	1.000	0.00	0.000			NO			25.1	
232	232 4th Function Hexa-PCBs				0.9455	1.000	0.00	0.000			NO			31.8	
233	233 Total Hepta-PCBs				1.2043	1.000	0.00	0.000			NO			33.8	
234	234 4th Function Octa-PCBs				0.8605	1.000	0.00	0.000			NO			7.91	
235	235 5th Function Octa-PCBs				1.0957	1.000	0.00	0.000			NO	4.320		2.23	4.320
236	236 Total Nona-PCBs				0.8871	1.000	0.00	0.000			NO	3.389		1.75	4.668
237	237 Dewa-Cl				0.8827	1.000	0.00	0.000			NO	0.0000		0.4161	1.007

#	Name	Prod RT	RT	nt Resp	nd Resp	1 <sup>st</sup> Resp (Prod)	RA	n/y	BMP	Conc
1	100 PCB-200	57.30	57.32	3.899e1	5.408e1	1.170	0.72	YES	1.0000	0.00000



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld  
 Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time  
 Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

*DB* *10/1/20* *CT 10/01/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 11 Sep 2020 15:14:27  
 Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Compound name: 2,3,7,8-TCDD  
 Response Factor: 1.00219  
 RRF SD: 0.105409, Relative SD: 10.5178  
 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	200930D2_1	0.250	0.67	NO	25.79	1.001	4.43e2	1.74e5	0.254	1.5	1.02	MM
2	200930D2_2	0.500	0.78	NO	25.82	1.001	8.87e2	1.77e5	0.501	0.1	1.00	MM
3	200930D2_3	2.00	0.80	NO	25.79	1.001	3.35e3	1.92e5	1.75	-12.7	0.875	bb
4	200930D2_4	10.0	0.77	NO	25.81	1.001	1.39e4	1.46e5	9.51	-4.9	0.953	dd
5	200930D2_5	40.0	0.76	NO	25.81	1.001	7.37e4	1.89e5	38.9	-2.9	0.973	bb
6	200930D2_6	300	0.78	NO	25.82	1.001	7.58e5	2.12e5	357	18.9	1.19	bb

Compound name: 1,2,3,7,8-PeCDD  
 Response Factor: 0.93495  
 RRF SD: 0.119844, Relative SD: 12.8182  
 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	200930D2_1	1.25	0.62	NO	30.15	1.000	1.49e3	1.32e5	1.21	-3.3	0.904	MM
2	200930D2_2	2.50	0.66	NO	30.17	1.001	2.83e3	1.43e5	2.12	-15.1	0.793	MM
3	200930D2_3	10.0	0.59	NO	30.15	1.000	1.29e4	1.55e5	8.94	-10.6	0.836	bb
4	200930D2_4	50.0	0.59	NO	30.17	1.001	5.42e4	1.17e5	49.7	-0.6	0.929	bb
5	200930D2_5	200	0.60	NO	30.17	1.001	2.74e5	1.32e5	222	11.0	1.04	bb
6	200930D2_6	1500	0.62	NO	30.17	1.001	2.85e6	1.71e5	1780	18.7	1.11	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:31:30 Pacific Daylight Time

**Compound name: 1,2,3,4,7,8-HxCDD**

Response Factor: 1.15193

RRF SD: 0.107646, Relative SD: 9.34488

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	200930D2_1	1.25	1.21	NO	33.40	1.001	1.43e3	1.01e5	1.22	-2.2	1.13	MM
2	200930D2_2	2.50	1.42	NO	33.40	1.000	2.77e3	1.06e5	2.27	-9.4	1.04	dd
3	200930D2_3	10.0	1.33	NO	33.39	1.000	1.21e4	1.17e5	8.93	-10.7	1.03	dd
4	200930D2_4	50.0	1.26	NO	33.40	1.000	5.14e4	8.84e4	50.4	0.8	1.16	bd
5	200930D2_5	200	1.29	NO	33.40	1.000	2.76e5	1.09e5	219	9.6	1.26	bd
6	200930D2_6	1500	1.27	NO	33.42	1.001	2.71e6	1.40e5	1680	11.7	1.29	bd

**Compound name: 1,2,3,6,7,8-HxCDD**

Response Factor: 1.02368

RRF SD: 0.0855683, Relative SD: 8.35893

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	200930D2_1	1.25	1.19	NO	33.50	1.000	1.43e3	1.19e5	1.17	-6.4	0.958	MM
2	200930D2_2	2.50	1.19	NO	33.53	1.000	2.93e3	1.21e5	2.37	-5.0	0.972	db
3	200930D2_3	10.0	1.26	NO	33.51	1.000	1.28e4	1.36e5	9.16	-8.4	0.937	db
4	200930D2_4	50.0	1.26	NO	33.53	1.001	5.15e4	1.01e5	49.8	-0.3	1.02	db
5	200930D2_5	200	1.23	NO	33.53	1.001	2.74e5	1.24e5	216	8.2	1.11	db
6	200930D2_6	1500	1.28	NO	33.54	1.001	2.69e6	1.56e5	1680	12.0	1.15	db

**Compound name: 1,2,3,7,8,9-HxCDD**

Response Factor: 1.06096

RRF SD: 0.104523, Relative SD: 9.85175

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	200930D2_1	1.25	1.28	NO	33.80	1.000	1.50e3	1.15e5	1.23	-1.9	1.04	MM
2	200930D2_2	2.50	1.26	NO	33.81	1.000	2.90e3	1.22e5	2.25	-10.0	0.955	bb

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**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	200930D2_3	10.0	1.33	NO	33.79	1.000	1.28e4	1.34e5	9.01	-9.9	0.956	bb
4	200930D2_4	50.0	1.29	NO	33.80	1.000	5.21e4	9.97e4	49.2	-1.6	1.04	bb
5	200930D2_5	200	1.25	NO	33.81	1.001	2.84e5	1.22e5	220	9.8	1.16	bb
6	200930D2_6	1500	1.28	NO	33.82	1.001	2.81e6	1.55e5	1700	13.6	1.21	bb

**Compound name: 1,2,3,4,6,7,8-HpCDD**

Response Factor: 1.00136  
 RRF SD: 0.124298, Relative SD: 12.4129  
 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	200930D2_1	1.25	0.92	NO	37.19	1.000	1.19e3	1.07e5	1.11	-11.0	0.891	MM
2	200930D2_2	2.50	0.95	NO	37.20	1.000	2.68e3	1.13e5	2.37	-5.3	0.948	bb
3	200930D2_3	10.0	1.04	NO	37.18	1.000	1.09e4	1.22e5	8.94	-10.6	0.895	bb
4	200930D2_4	50.0	1.05	NO	37.19	1.000	4.59e4	9.48e4	48.4	-3.2	0.969	bb
5	200930D2_5	200	1.04	NO	37.20	1.001	2.47e5	1.12e5	221	10.6	1.11	bb
6	200930D2_6	1500	1.04	NO	37.21	1.000	2.53e6	1.41e5	1790	19.6	1.20	bb

**Compound name: OCDD**

Response Factor: 0.952  
 RRF SD: 0.102145, Relative SD: 10.7295  
 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	200930D2_1	2.50	0.95	NO	40.38	1.001	2.06e3	1.81e5	2.39	-4.4	0.910	MM
2	200930D2_2	5.00	0.84	NO	40.39	1.000	4.26e3	2.08e5	4.30	-14.0	0.819	bb
3	200930D2_3	20.0	0.91	NO	40.37	1.000	1.88e4	2.10e5	18.8	-6.0	0.895	bd
4	200930D2_4	100	0.91	NO	40.39	1.001	7.84e4	1.63e5	101	1.1	0.963	bd
5	200930D2_5	400	0.90	NO	40.39	1.000	4.22e5	2.08e5	426	6.6	1.01	bb
6	200930D2_6	3000	0.91	NO	40.42	1.000	4.25e6	2.55e5	3500	16.7	1.11	bb

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**Compound name: 2,3,7,8-TCDF**

Response Factor: 1.01297

RRF SD: 0.140498, Relative SD: 13.8699

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	200930D2_1	0.250	0.79	NO	25.15	1.001	7.60e2	2.52e5	0.298	19.2	1.21	MM
2	200930D2_2	0.500	0.76	NO	25.16	1.001	1.27e3	2.58e5	0.484	-3.1	0.981	MM
3	200930D2_3	2.00	0.74	NO	25.15	1.001	4.49e3	2.68e5	1.66	-17.2	0.839	bb
4	200930D2_4	10.0	0.74	NO	25.16	1.001	1.88e4	2.10e5	8.88	-11.2	0.899	bb
5	200930D2_5	40.0	0.77	NO	25.15	1.001	1.04e5	2.57e5	39.8	-0.4	1.01	bd
6	200930D2_6	300	0.76	NO	25.16	1.001	9.86e5	2.88e5	338	12.7	1.14	bb

**Compound name: 1,2,3,7,8-PeCDF**

Response Factor: 0.997733

RRF SD: 0.105042, Relative SD: 10.528

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	200930D2_1	1.25	1.56	NO	29.00	1.001	2.34e3	1.96e5	1.19	-4.5	0.952	MM
2	200930D2_2	2.50	1.49	NO	29.02	1.001	4.41e3	2.00e5	2.21	-11.5	0.882	bb
3	200930D2_3	10.0	1.59	NO	29.00	1.001	2.02e4	2.22e5	9.14	-8.6	0.912	bd
4	200930D2_4	50.0	1.63	NO	29.00	1.000	8.94e4	1.79e5	50.0	-0.0	0.998	dd
5	200930D2_5	200	1.61	NO	29.00	1.001	4.62e5	2.12e5	218	9.2	1.09	bb
6	200930D2_6	1500	1.61	NO	29.02	1.001	4.38e6	2.53e5	1730	15.5	1.15	bd

**Compound name: 2,3,4,7,8-PeCDF**

Response Factor: 1.07418

RRF SD: 0.141641, Relative SD: 13.186

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	200930D2_1	1.25	1.58	NO	29.96	1.001	2.16e3	1.91e5	1.05	-15.7	0.905	MM
2	200930D2_2	2.50	1.60	NO	29.96	1.001	4.71e3	1.98e5	2.22	-11.3	0.952	bb

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**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	200930D2_3	10.0	1.62	NO	29.96	1.001	2.12e4	2.10e5	9.39	-6.1	1.01	bb
4	200930D2_4	50.0	1.62	NO	29.96	1.001	8.96e4	1.61e5	51.9	3.7	1.11	bb
5	200930D2_5	200	1.60	NO	29.96	1.001	4.79e5	1.98e5	226	12.9	1.21	bb
6	200930D2_6	1500	1.58	NO	29.96	1.000	4.65e6	2.47e5	1750	16.6	1.25	bb

**Compound name: 1,2,3,4,7,8-HxCDF**

Rcspnse Factor: 1.05155

RRF SD: 0.122186, Relative SD: 11.6195

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	200930D2_1	1.25	1.19	NO	32.50	1.000	2.00e3	1.64e5	1.16	-7.0	0.978	MM
2	200930D2_2	2.50	1.29	NO	32.52	1.000	3.98e3	1.72e5	2.21	-11.7	0.929	bd
3	200930D2_3	10.0	1.25	NO	32.50	1.001	1.75e4	1.84e5	9.00	-10.0	0.947	bd
4	200930D2_4	50.0	1.27	NO	32.50	1.000	7.44e4	1.40e5	50.5	1.0	1.06	bd
5	200930D2_5	200	1.25	NO	32.51	1.000	4.05e5	1.72e5	224	12.0	1.18	bd
6	200930D2_6	1500	1.26	NO	32.52	1.000	3.93e6	2.16e5	1740	15.7	1.22	bd

**Compound name: 1,2,3,6,7,8-HxCDF**

Response Factor: 1.09956

RRF SD: 0.12428, Relative SD: 11.3027

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	200930D2_1	1.25	1.24	NO	32.64	1.000	2.15e3	1.66e5	1.18	-5.8	1.04	MM
2	200930D2_2	2.50	1.33	NO	32.65	1.000	4.33e3	1.77e5	2.23	-10.9	0.980	db
3	200930D2_3	10.0	1.24	NO	32.64	1.001	1.87e4	1.88e5	9.03	-9.7	0.993	db
4	200930D2_4	50.0	1.26	NO	32.64	1.000	7.93e4	1.45e5	49.7	-0.5	1.09	db
5	200930D2_5	200	1.24	NO	32.64	1.000	4.22e5	1.75e5	219	9.6	1.20	db
6	200930D2_6	1500	1.24	NO	32.65	1.000	4.09e6	2.11e5	1760	17.4	1.29	db

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**Compound name: 2,3,4,6,7,8-HxCDF**

Response Factor: 1.08752

RRF SD: 0.136992, Relative SD: 12.5967

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	200930D2_1	1.25	1.25	NO	33.27	1.000	1.91e3	1.58e5	1.11	-11.0	0.968	MM
2	200930D2_2	2.50	1.28	NO	33.28	1.000	3.96e3	1.61e5	2.26	-9.6	0.983	bb
3	200930D2_3	10.0	1.26	NO	33.28	1.001	1.77e4	1.81e5	8.97	-10.3	0.976	bb
4	200930D2_4	50.0	1.23	NO	33.28	1.000	7.34e4	1.35e5	50.2	0.3	1.09	bb
5	200930D2_5	200	1.24	NO	33.29	1.001	3.94e5	1.60e5	226	13.0	1.23	bb
6	200930D2_6	1500	1.24	NO	33.29	1.000	3.89e6	2.03e5	1760	17.5	1.28	bb

**Compound name: 1,2,3,7,8,9-HxCDF**

Response Factor: 1.08188

RRF SD: 0.11347, Relative SD: 10.4883

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	200930D2_1	1.25	1.20	NO	34.29	1.001	1.74e3	1.36e5	1.19	-5.2	1.03	MM
2	200930D2_2	2.50	1.35	NO	34.30	1.000	3.56e3	1.44e5	2.28	-8.6	0.989	bb
3	200930D2_3	10.0	1.23	NO	34.29	1.001	1.49e4	1.55e5	8.87	-11.3	0.960	bb
4	200930D2_4	50.0	1.26	NO	34.29	1.000	6.56e4	1.20e5	50.6	1.3	1.10	bb
5	200930D2_5	200	1.29	NO	34.29	1.000	3.46e5	1.49e5	215	7.7	1.17	bb
6	200930D2_6	1500	1.25	NO	34.30	1.000	3.50e6	1.86e5	1740	16.1	1.26	bb

**Compound name: 1,2,3,4,6,7,8-HpCDF**

Response Factor: 1.13056

RRF SD: 0.148448, Relative SD: 13.1304

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	200930D2_1	1.25	0.96	NO	35.93	1.001	1.81e3	1.38e5	1.16	-7.6	1.04	MM
2	200930D2_2	2.50	1.10	NO	35.95	1.001	3.59e3	1.45e5	2.19	-12.5	0.989	bb

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**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	200930D2_3	10.0	0.98	NO	35.92	1.000	1.52e4	1.54e5	8.72	-12.8	0.986	bb
4	200930D2_4	50.0	1.02	NO	35.94	1.001	6.77e4	1.17e5	51.2	2.4	1.16	bd
5	200930D2_5	200	1.04	NO	35.94	1.001	3.79e5	1.49e5	225	12.3	1.27	bb
6	200930D2_6	1500	1.03	NO	35.95	1.001	3.65e6	1.82e5	1770	18.1	1.34	bb

**Compound name: 1,2,3,4,7,8,9-HpCDF**

Response Factor: 1.28584

RRF SD: 0.156323, Relative SD: 12.1572

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	200930D2_1	1.25	1.01	NO	37.84	1.000	1.49e3	9.84e4	1.17	-6.0	1.21	MM
2	200930D2_2	2.50	1.11	NO	37.85	1.000	2.96e3	1.07e5	2.16	-13.7	1.11	bb
3	200930D2_3	10.0	1.04	NO	37.83	1.000	1.31e4	1.10e5	9.19	-8.1	1.18	bb
4	200930D2_4	50.0	1.02	NO	37.84	1.000	5.55e4	8.69e4	49.6	-0.7	1.28	bd
5	200930D2_5	200	1.03	NO	37.84	1.000	3.19e5	1.13e5	219	9.7	1.41	bb
6	200930D2_6	1500	1.03	NO	37.86	1.001	3.13e6	1.37e5	1780	18.8	1.53	bb

**Compound name: OCDF**

Response Factor: 0.952821

RRF SD: 0.11104, Relative SD: 11.6538

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	200930D2_1	2.50	0.92	NO	40.69	1.000	2.42e3	2.27e5	2.24	-10.4	0.854	MM
2	200930D2_2	5.00	0.88	NO	40.71	1.000	5.45e3	2.52e5	4.54	-9.2	0.866	bb
3	200930D2_3	20.0	0.87	NO	40.69	1.000	2.28e4	2.61e5	18.3	-8.6	0.871	bb
4	200930D2_4	100	0.90	NO	40.71	1.001	9.70e4	2.04e5	99.6	-0.4	0.949	bb
5	200930D2_5	400	0.89	NO	40.71	1.001	5.52e5	2.58e5	449	12.4	1.07	bb
6	200930D2_6	3000	0.90	NO	40.73	1.001	5.35e6	3.22e5	3480	16.2	1.11	bb



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**Compound name: 13C-2,3,7,8-TCDD**

Response Factor: 1.17295

RRF SD: 0.0331012, Relative SD: 2.82204

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	200930D2_1	100	0.78	NO	25.77	1.027	1.74e5	1.48e5	101	0.5	1.18	bb
2	200930D2_2	100	0.78	NO	25.79	1.026	1.77e5	1.56e5	96.8	-3.2	1.14	bb
3	200930D2_3	100	0.75	NO	25.78	1.026	1.92e5	1.60e5	102	2.2	1.20	bb
4	200930D2_4	100	0.79	NO	25.79	1.027	1.46e5	1.27e5	97.9	-2.1	1.15	bb
5	200930D2_5	100	0.79	NO	25.78	1.026	1.89e5	1.64e5	98.4	-1.6	1.15	bb
6	200930D2_6	100	0.79	NO	25.81	1.027	2.12e5	1.74e5	104	4.2	1.22	bb

**Compound name: 13C-1,2,3,7,8-PeCDD**

Response Factor: 0.914327

RRF SD: 0.0634254, Relative SD: 6.93683

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	200930D2_1	100	0.62	NO	30.15	1.201	1.32e5	1.48e5	97.3	-2.7	0.890	bb
2	200930D2_2	100	0.61	NO	30.15	1.199	1.43e5	1.56e5	100	0.2	0.916	bb
3	200930D2_3	100	0.63	NO	30.15	1.200	1.55e5	1.60e5	106	5.9	0.968	bb
4	200930D2_4	100	0.63	NO	30.15	1.200	1.17e5	1.27e5	101	0.6	0.920	bb
5	200930D2_5	100	0.63	NO	30.15	1.200	1.32e5	1.64e5	88.2	-11.8	0.807	bb
6	200930D2_6	100	0.64	NO	30.15	1.199	1.71e5	1.74e5	108	7.7	0.985	bb

**Compound name: 13C-1,2,3,4,7,8-HxCDD**

Response Factor: 0.633572

RRF SD: 0.0302093, Relative SD: 4.7681

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	200930D2_1	100	1.30	NO	33.38	1.014	1.01e5	1.67e5	95.7	-4.3	0.607	bd
2	200930D2_2	100	1.29	NO	33.39	1.014	1.06e5	1.70e5	98.5	-1.5	0.624	bd

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**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	200930D2_3	100	1.28	NO	33.38	1.014	1.17e5	1.90e5	97.5	-2.5	0.618	bd
4	200930D2_4	100	1.27	NO	33.39	1.014	8.84e4	1.41e5	98.7	-1.3	0.625	bd
5	200930D2_5	100	1.28	NO	33.39	1.014	1.09e5	1.72e5	100	0.3	0.636	bd
6	200930D2_6	100	1.26	NO	33.39	1.014	1.40e5	2.03e5	109	9.2	0.692	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDD**

Response Factor: 0.724314

RRF SD: 0.022761, Relative SD: 3.14242

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	200930D2_1	100	1.29	NO	33.50	1.018	1.19e5	1.67e5	98.7	-1.3	0.715	db
2	200930D2_2	100	1.25	NO	33.51	1.017	1.21e5	1.70e5	98.0	-2.0	0.710	db
3	200930D2_3	100	1.28	NO	33.50	1.018	1.36e5	1.90e5	99.3	-0.7	0.719	db
4	200930D2_4	100	1.26	NO	33.50	1.017	1.01e5	1.41e5	98.5	-1.5	0.714	db
5	200930D2_5	100	1.28	NO	33.50	1.017	1.24e5	1.72e5	99.3	-0.7	0.719	dd
6	200930D2_6	100	1.25	NO	33.51	1.017	1.56e5	2.03e5	106	6.3	0.770	db

**Compound name: 13C-1,2,3,7,8,9-HxCDD**

Response Factor: 0.7157

RRF SD: 0.0260814, Relative SD: 3.64419

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	200930D2_1	100	1.25	NO	33.79	1.026	1.15e5	1.67e5	96.6	-3.4	0.691	bb
2	200930D2_2	100	1.30	NO	33.80	1.026	1.22e5	1.70e5	100	0.0	0.716	bd
3	200930D2_3	100	1.26	NO	33.78	1.026	1.34e5	1.90e5	98.7	-1.3	0.706	bb
4	200930D2_4	100	1.21	NO	33.79	1.026	9.97e4	1.41e5	98.5	-1.5	0.705	bb
5	200930D2_5	100	1.23	NO	33.79	1.026	1.22e5	1.72e5	99.2	-0.8	0.710	bb
6	200930D2_6	100	1.28	NO	33.80	1.026	1.55e5	2.03e5	107	7.1	0.766	bb

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**Compound name: 13C-1,2,3,4,6,7,8-HpCDD**

Response Factor: 0.660425

RRF SD: 0.0212049, Relative SD: 3.21079

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	200930D2_1	100	1.09	NO	37.18	1.129	1.07e5	1.67e5	96.7	-3.3	0.639	bd
2	200930D2_2	100	1.06	NO	37.19	1.129	1.13e5	1.70e5	101	0.8	0.666	bd
3	200930D2_3	100	1.12	NO	37.17	1.129	1.22e5	1.90e5	97.4	-2.6	0.643	bd
4	200930D2_4	100	1.06	NO	37.18	1.129	9.48e4	1.41e5	101	1.5	0.670	bb
5	200930D2_5	100	1.04	NO	37.18	1.129	1.12e5	1.72e5	98.2	-1.8	0.649	bb
6	200930D2_6	100	1.06	NO	37.20	1.129	1.41e5	2.03e5	105	5.3	0.695	bb

**Compound name: 13C-OCDD**

Response Factor: 0.586504

RRF SD: 0.0345068, Relative SD: 5.88547

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	200930D2_1	200	0.88	NO	40.36	1.226	1.81e5	1.67e5	185	-7.4	0.543	bb
2	200930D2_2	200	0.87	NO	40.38	1.226	2.08e5	1.70e5	209	4.6	0.613	bd
3	200930D2_3	200	0.90	NO	40.36	1.226	2.10e5	1.90e5	189	-5.7	0.553	bb
4	200930D2_4	200	0.88	NO	40.37	1.226	1.63e5	1.41e5	196	-1.9	0.575	bb
5	200930D2_5	200	0.90	NO	40.38	1.226	2.08e5	1.72e5	206	3.1	0.604	bd
6	200930D2_6	200	0.91	NO	40.41	1.226	2.55e5	2.03e5	215	7.3	0.629	bb

**Compound name: 13C-2,3,7,8-TCDF**

Response Factor: 1.02208

RRF SD: 0.0125198, Relative SD: 1.22493

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	200930D2_1	100	0.76	NO	25.12	1.001	2.52e5	2.46e5	100	0.1	1.02	bb
2	200930D2_2	100	0.80	NO	25.13	1.000	2.58e5	2.51e5	101	0.7	1.03	bd

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**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	200930D2_3	100	0.80	NO	25.12	1.000	2.68e5	2.62e5	99.9	-0.1	1.02	bb
4	200930D2_4	100	0.78	NO	25.13	1.001	2.10e5	2.07e5	99.1	-0.9	1.01	bb
5	200930D2_5	100	0.78	NO	25.13	1.001	2.57e5	2.56e5	98.3	-1.7	1.00	bb
6	200930D2_6	100	0.77	NO	25.15	1.001	2.88e5	2.77e5	102	1.8	1.04	bb

**Compound name: 13C-1,2,3,7,8-PeCDF**

Response Factor: 0.841931

RRF SD: 0.0454656, Relative SD: 5.40016

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	200930D2_1	100	1.64	NO	28.98	1.154	1.96e5	2.46e5	94.8	-5.2	0.798	bb
2	200930D2_2	100	1.58	NO	29.00	1.154	2.00e5	2.51e5	94.6	-5.4	0.797	bb
3	200930D2_3	100	1.59	NO	28.98	1.154	2.22e5	2.62e5	100	0.4	0.845	bb
4	200930D2_4	100	1.59	NO	29.00	1.154	1.79e5	2.07e5	103	3.0	0.867	bb
5	200930D2_5	100	1.62	NO	28.98	1.154	2.12e5	2.56e5	98.3	-1.7	0.828	bb
6	200930D2_6	100	1.56	NO	29.00	1.154	2.53e5	2.77e5	109	8.9	0.916	bb

**Compound name: 13C-2,3,4,7,8-PeCDF**

Response Factor: 0.801596

RRF SD: 0.0468311, Relative SD: 5.84223

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	200930D2_1	100	1.62	NO	29.94	1.193	1.91e5	2.46e5	96.9	-3.1	0.777	bb
2	200930D2_2	100	1.56	NO	29.94	1.191	1.98e5	2.51e5	98.3	-1.7	0.788	bb
3	200930D2_3	100	1.68	NO	29.94	1.192	2.10e5	2.62e5	100	0.0	0.802	bb
4	200930D2_4	100	1.67	NO	29.94	1.192	1.61e5	2.07e5	97.0	-3.0	0.777	bb
5	200930D2_5	100	1.60	NO	29.94	1.192	1.98e5	2.56e5	96.2	-3.8	0.771	bb
6	200930D2_6	100	1.63	NO	29.96	1.192	2.47e5	2.77e5	112	11.6	0.895	bb

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**Compound name: 13C-1,2,3,4,7,8-HxCDF**

Response Factor: 1.00275

RRF SD: 0.0328953, Relative SD: 3.28051

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	200930D2_1	100	0.50	NO	32.49	0.987	1.64e5	1.67e5	97.7	-2.3	0.980	bd
2	200930D2_2	100	0.50	NO	32.50	0.987	1.72e5	1.70e5	101	0.7	1.01	bd
3	200930D2_3	100	0.50	NO	32.48	0.987	1.84e5	1.90e5	97.0	-3.0	0.972	bd
4	200930D2_4	100	0.49	NO	32.49	0.987	1.40e5	1.41e5	98.8	-1.2	0.991	bd
5	200930D2_5	100	0.51	NO	32.49	0.987	1.72e5	1.72e5	99.7	-0.3	1.00	bd
6	200930D2_6	100	0.51	NO	32.51	0.987	2.16e5	2.03e5	106	6.1	1.06	bd

**Compound name: 13C-1,2,3,6,7,8-HxCDF**

Response Factor: 1.01877

RRF SD: 0.0214481, Relative SD: 2.1053

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	200930D2_1	100	0.50	NO	32.63	0.991	1.66e5	1.67e5	97.7	-2.3	0.995	db
2	200930D2_2	100	0.49	NO	32.64	0.991	1.77e5	1.70e5	102	2.1	1.04	db
3	200930D2_3	100	0.49	NO	32.61	0.991	1.88e5	1.90e5	97.4	-2.6	0.992	db
4	200930D2_4	100	0.50	NO	32.63	0.991	1.45e5	1.41e5	101	0.6	1.02	db
5	200930D2_5	100	0.51	NO	32.63	0.991	1.75e5	1.72e5	100	-0.0	1.02	dd
6	200930D2_6	100	0.51	NO	32.64	0.991	2.11e5	2.03e5	102	2.3	1.04	db

**Compound name: 13C-2,3,4,6,7,8-HxCDF**

Response Factor: 0.954976

RRF SD: 0.0233865, Relative SD: 2.44891

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	200930D2_1	100	0.50	NO	33.26	1.010	1.58e5	1.67e5	98.9	-1.1	0.944	bd
2	200930D2_2	100	0.51	NO	33.27	1.010	1.61e5	1.70e5	99.2	-0.8	0.947	bd

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**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	200930D2_3	100	0.50	NO	33.26	1.010	1.81e5	1.90e5	100	0.0	0.955	bb
4	200930D2_4	100	0.50	NO	33.27	1.010	1.35e5	1.41e5	99.6	-0.4	0.951	bb
5	200930D2_5	100	0.51	NO	33.27	1.010	1.60e5	1.72e5	97.6	-2.4	0.932	bb
6	200930D2_6	100	0.50	NO	33.28	1.010	2.03e5	2.03e5	105	4.7	1.00	bb

**Compound name: 13C-1,2,3,7,8,9-HxCDF**

Response Factor: 0.851129  
 RRF SD: 0.0371274, Relative SD: 4.36213  
 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	200930D2_1	100	0.51	NO	34.27	1.041	1.36e5	1.67e5	95.7	-4.3	0.814	bb
2	200930D2_2	100	0.49	NO	34.29	1.041	1.44e5	1.70e5	99.8	-0.2	0.849	bb
3	200930D2_3	100	0.52	NO	34.27	1.041	1.55e5	1.90e5	96.0	-4.0	0.817	bd
4	200930D2_4	100	0.50	NO	34.28	1.041	1.20e5	1.41e5	99.4	-0.6	0.846	bb
5	200930D2_5	100	0.52	NO	34.28	1.041	1.49e5	1.72e5	102	1.5	0.864	bd
6	200930D2_6	100	0.50	NO	34.29	1.041	1.86e5	2.03e5	108	7.6	0.916	bb

**Compound name: 13C-1,2,3,4,6,7,8-HpCDF**

Response Factor: 0.848459  
 RRF SD: 0.0316015, Relative SD: 3.72458  
 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	200930D2_1	100	0.43	NO	35.91	1.091	1.38e5	1.67e5	97.7	-2.3	0.829	bd
2	200930D2_2	100	0.41	NO	35.93	1.091	1.45e5	1.70e5	101	0.6	0.854	bb
3	200930D2_3	100	0.42	NO	35.91	1.091	1.54e5	1.90e5	95.9	-4.1	0.814	bb
4	200930D2_4	100	0.43	NO	35.92	1.091	1.17e5	1.41e5	97.4	-2.6	0.827	bb
5	200930D2_5	100	0.42	NO	35.92	1.091	1.49e5	1.72e5	102	2.3	0.868	bb
6	200930D2_6	100	0.42	NO	35.93	1.091	1.82e5	2.03e5	106	6.0	0.899	bb

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**Compound name: 13C-1,2,3,4,7,8,9-HpCDF**

Response Factor: 0.624316

RRF SD: 0.0366881, Relative SD: 5.87653

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	200930D2_1	100	0.42	NO	37.83	1.149	9.84e4	1.67e5	94.4	-5.6	0.589	bb
2	200930D2_2	100	0.44	NO	37.84	1.149	1.07e5	1.70e5	100	0.5	0.627	bd
3	200930D2_3	100	0.43	NO	37.82	1.149	1.10e5	1.90e5	93.3	-6.7	0.582	bb
4	200930D2_4	100	0.41	NO	37.83	1.149	8.69e4	1.41e5	98.4	-1.6	0.615	bb
5	200930D2_5	100	0.41	NO	37.83	1.149	1.13e5	1.72e5	105	5.4	0.658	bb
6	200930D2_6	100	0.43	NO	37.84	1.149	1.37e5	2.03e5	108	8.0	0.674	bb

**Compound name: 13C-OCDF**

Response Factor: 0.72976

RRF SD: 0.042457, Relative SD: 5.81794

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	200930D2_1	200	0.87	NO	40.68	1.236	2.27e5	1.67e5	186	-6.8	0.680	bb
2	200930D2_2	200	0.87	NO	40.70	1.235	2.52e5	1.70e5	203	1.7	0.742	bb
3	200930D2_3	200	0.88	NO	40.68	1.236	2.61e5	1.90e5	189	-5.6	0.689	bb
4	200930D2_4	200	0.88	NO	40.69	1.236	2.04e5	1.41e5	198	-1.0	0.722	bb
5	200930D2_5	200	0.88	NO	40.69	1.236	2.58e5	1.72e5	206	2.8	0.750	bb
6	200930D2_6	200	0.90	NO	40.71	1.236	3.22e5	2.03e5	218	8.9	0.795	bb

**Compound name: 37Cl-2,3,7,8-TCDD**

Response Factor: 1.2073

RRF SD: 0.177075, Relative SD: 14.667

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	200930D2_1	0.250			25.79	1.027	3.48e2	1.48e5	0.195	-22.0	0.941	bb
2	200930D2_2	0.500			25.81	1.027	8.95e2	1.56e5	0.476	-4.9	1.15	bb

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**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	200930D2_3	2.00			25.81	1.027	3.83e3	1.60e5	1.99	-0.7	1.20	bb
4	200930D2_4	10.0			25.81	1.027	1.49e4	1.27e5	9.73	-2.7	1.17	bd
5	200930D2_5	40.0			25.81	1.027	8.56e4	1.64e5	43.2	8.1	1.31	bd
6	200930D2_6	200			25.82	1.027	5.12e5	1.74e5	244	22.2	1.48	bb

**Compound name: 13C-1,2,3,4-TCDD**

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

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	200930D2_1	100	0.78	NO	25.10	1.000	1.48e5	1.48e5	100	-0.0	1.00	bb
2	200930D2_2	100	0.77	NO	25.13	1.000	1.56e5	1.56e5	100	0.0	1.00	bb
3	200930D2_3	100	0.78	NO	25.12	1.000	1.60e5	1.60e5	100	0.0	1.00	bb
4	200930D2_4	100	0.80	NO	25.12	1.000	1.27e5	1.27e5	100	0.0	1.00	bb
5	200930D2_5	100	0.79	NO	25.12	1.000	1.64e5	1.64e5	100	0.0	1.00	bb
6	200930D2_6	100	0.81	NO	25.13	1.000	1.74e5	1.74e5	100	0.0	1.00	bb

**Compound name: 13C-1,2,3,4-TCDF**

Response Factor: 1

RRF SD: 1.11022e-016, Relative SD: 1.11022e-014

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	200930D2_1	100	0.79	NO	23.76	1.000	2.46e5	2.46e5	100	0.0	1.00	bb
2	200930D2_2	100	0.79	NO	23.79	1.000	2.51e5	2.51e5	100	0.0	1.00	bb
3	200930D2_3	100	0.79	NO	23.77	1.000	2.62e5	2.62e5	100	0.0	1.00	bb
4	200930D2_4	100	0.80	NO	23.77	1.000	2.07e5	2.07e5	100	-0.0	1.00	bb
5	200930D2_5	100	0.78	NO	23.77	1.000	2.56e5	2.56e5	100	0.0	1.00	bb
6	200930D2_6	100	0.77	NO	23.79	1.000	2.77e5	2.77e5	100	0.0	1.00	bb



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**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	200930D2_1	100	0.50	NO	32.92	1.000	1.67e5	1.67e5	100	0.0	1.00	bb
2	200930D2_2	100	0.49	NO	32.94	1.000	1.70e5	1.70e5	100	0.0	1.00	bb
3	200930D2_3	100	0.50	NO	32.92	1.000	1.90e5	1.90e5	100	0.0	1.00	bd
4	200930D2_4	100	0.50	NO	32.93	1.000	1.41e5	1.41e5	100	0.0	1.00	bb
5	200930D2_5	100	0.50	NO	32.93	1.000	1.72e5	1.72e5	100	0.0	1.00	bb
6	200930D2_6	100	0.50	NO	32.94	1.000	2.03e5	2.03e5	100	0.0	1.00	bb

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 11 Sep 2020 15:14:27  
Calibration: U:\VG7.PRO\CurveDB\Z3\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

#	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	4.43e2	0.67	NO	1.00	1.000	25.806	25.79	1.001	1.001	0.25382	102	0.0728	0.254
2	2 1,2,3,7,8-PeCDD	1.49e3	0.62	NO	0.935	1.000	30.166	30.15	1.001	1.000	1.2082	96.7	0.0691	1.21
3	3 1,2,3,4,7,8-HxCDD	1.43e3	1.21	NO	1.15	1.000	33.393	33.40	1.000	1.001	1.2230	97.8	0.0942	1.22
4	4 1,2,3,6,7,8-HxCDD	1.43e3	1.19	NO	1.02	1.000	33.503	33.50	1.000	1.000	1.1702	93.6	0.0968	1.17
5	5 1,2,3,7,8,9-HxCDD	1.50e3	1.28	NO	1.06	1.000	33.822	33.80	1.001	1.000	1.2264	98.1	0.0981	1.23
6	6 1,2,3,4,6,7,8-HpCDD	1.19e3	0.92	NO	1.00	1.000	37.190	37.19	1.000	1.000	1.1122	89.0	0.126	1.11
7	7 OCDD	2.06e3	0.95	NO	0.952	1.000	40.361	40.38	1.000	1.001	2.3892	95.6	0.133	2.39
8	8 2,3,7,8-TCDF	7.60e2	0.79	NO	1.01	1.000	25.143	25.15	1.001	1.001	0.29805	119	0.0517	0.298
9	9 1,2,3,7,8-PeCDF	2.34e3	1.56	NO	0.998	1.000	28.998	29.00	1.001	1.001	1.1933	95.5	0.0539	1.19
10	10 2,3,4,7,8-PeCDF	2.16e3	1.58	NO	1.07	1.000	29.974	29.96	1.001	1.001	1.0532	84.3	0.0475	1.05
11	11 1,2,3,4,7,8-HxCDF	2.00e3	1.19	NO	1.05	1.000	32.494	32.50	1.000	1.000	1.1620	93.0	0.0554	1.16
12	12 1,2,3,6,7,8-HxCDF	2.15e3	1.24	NO	1.10	1.000	32.635	32.64	1.000	1.000	1.1771	94.2	0.0541	1.18
13	13 2,3,4,6,7,8-HxCDF	1.91e3	1.25	NO	1.09	1.000	33.295	33.27	1.001	1.000	1.1126	89.0	0.0620	1.11
14	14 1,2,3,7,8,9-HxCDF	1.74e3	1.20	NO	1.08	1.000	34.271	34.29	1.000	1.001	1.1851	94.8	0.0794	1.19
15	15 1,2,3,4,6,7,8-HpCDF	1.81e3	0.96	NO	1.13	1.000	35.942	35.93	1.001	1.001	1.1552	92.4	0.0711	1.16
16	16 1,2,3,4,7,8,9-HpCDF	1.49e3	1.01	NO	1.29	1.000	37.826	37.84	1.000	1.000	1.1745	94.0	0.0684	1.17
17	17 OCDF	2.42e3	0.92	NO	0.953	1.000	40.680	40.69	1.000	1.000	2.2409	89.6	0.0901	2.24
18	18 13C-2,3,7,8-TCDD	1.74e5	0.78	NO	1.17	1.000	25.755	25.77	1.026	1.027	100.51	101	0.402	
19	19 13C-1,2,3,7,8-PeCDD	1.32e5	0.62	NO	0.914	1.000	29.937	30.15	1.193	1.201	97.346	97.3	0.269	
20	20 13C-1,2,3,4,7,8-HxCDD	1.01e5	1.30	NO	0.634	1.000	33.383	33.38	1.014	1.014	95.728	95.7	0.421	
21	21 13C-1,2,3,6,7,8-HxCDD	1.19e5	1.29	NO	0.724	1.000	33.491	33.50	1.017	1.018	98.682	98.7	0.368	
22	22 13C-1,2,3,7,8,9-HxCDD	1.15e5	1.25	NO	0.716	1.000	33.758	33.79	1.025	1.026	96.579	96.6	0.373	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.07e5	1.09	NO	0.660	1.000	37.169	37.18	1.129	1.129	96.706	96.7	0.575	
24	24 13C-OCDD	1.81e5	0.88	NO	0.587	1.000	40.145	40.36	1.219	1.226	185.28	92.6	0.361	
25	25 13C-2,3,7,8-TCDF	2.52e5	0.76	NO	1.02	1.000	24.851	25.12	0.990	1.001	100.09	100	0.369	
26	26 13C-1,2,3,7,8-PeCDF	1.96e5	1.64	NO	0.842	1.000	29.011	28.98	1.156	1.154	94.839	94.8	0.310	
27	27 13C-2,3,4,7,8-PeCDF	1.91e5	1.62	NO	0.802	1.000	29.897	29.94	1.191	1.193	96.912	96.9	0.326	
28	28 13C-1,2,3,4,7,8-HxCDF	1.64e5	0.50	NO	1.00	1.000	32.527	32.49	0.988	0.987	97.726	97.7	0.445	
29	29 13C-1,2,3,6,7,8-HxCDF	1.66e5	0.50	NO	1.02	1.000	32.658	32.63	0.992	0.991	97.658	97.7	0.438	
30	30 13C-2,3,4,6,7,8-HxCDF	1.58e5	0.50	NO	0.955	1.000	33.221	33.26	1.009	1.010	98.888	98.9	0.467	
31	31 13C-1,2,3,7,8,9-HxCDF	1.36e5	0.51	NO	0.851	1.000	34.285	34.27	1.041	1.041	95.657	95.7	0.524	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.38e5	0.43	NO	0.848	1.000	35.786	35.91	1.087	1.091	97.740	97.7	0.497	
33	33 13C-1,2,3,4,7,8,9-HpCDF	9.84e4	0.42	NO	0.624	1.000	37.761	37.83	1.147	1.149	94.399	94.4	0.675	
34	34 13C-OCDF	2.27e5	0.87	NO	0.730	1.000	40.296	40.68	1.224	1.236	186.36	93.2	0.394	
35	35 37Cl-2,3,7,8-TCDD	3.48e2			1.21	1.000	25.752	25.79	1.026	1.027	0.19492	78.0	0.0690	
36	36 13C-1,2,3,4-TCDD	1.48e5	0.78	NO	1.00	1.000	25.260	25.10	1.000	1.000	100.00	100	0.471	
37	37 13C-1,2,3,4-TCDF	2.46e5	0.79	NO	1.00	1.000	23.930	23.76	1.000	1.000	100.00	100	0.377	
38	38 13C-1,2,3,4,6,9-HxCDF	1.67e5	0.50	NO	1.00	1.000	32.990	32.92	1.000	1.000	100.00	100	0.446	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

#	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	8.87e2	0.78	NO	1.00	1.000	25.821	25.82	1.001	1.001	0.50055	100	0.0605	0.501
2	2 1,2,3,7,8-PeCDD	2.83e3	0.66	NO	0.935	1.000	30.166	30.17	1.001	1.001	2.1217	84.9	0.0704	2.12
3	3 1,2,3,4,7,8-HxCDD	2.77e3	1.42	NO	1.15	1.000	33.404	33.40	1.000	1.000	2.2660	90.6	0.138	2.27
4	4 1,2,3,6,7,8-HxCDD	2.93e3	1.19	NO	1.02	1.000	33.514	33.53	1.000	1.000	2.3742	95.0	0.153	2.37
5	5 1,2,3,7,8,9-HxCDD	2.90e3	1.26	NO	1.06	1.000	33.833	33.81	1.001	1.000	2.2497	90.0	0.161	2.25
6	6 1,2,3,4,6,7,8-HpCDD	2.68e3	0.95	NO	1.00	1.000	37.201	37.20	1.000	1.000	2.3665	94.7	0.0876	2.37
7	7 OCDD	4.26e3	0.84	NO	0.952	1.000	40.383	40.39	1.000	1.000	4.3012	86.0	0.144	4.30
8	8 2,3,7,8-TCDF	1.27e3	0.76	NO	1.01	1.000	25.158	25.16	1.001	1.001	0.48435	96.9	0.0533	0.484
9	9 1,2,3,7,8-PeCDF	4.41e3	1.49	NO	0.998	1.000	29.018	29.02	1.001	1.001	2.2113	88.5	0.0589	2.21
10	10 2,3,4,7,8-PeCDF	4.71e3	1.60	NO	1.07	1.000	29.974	29.96	1.001	1.001	2.2165	88.7	0.0554	2.22
11	11 1,2,3,4,7,8-HxCDF	3.98e3	1.29	NO	1.05	1.000	32.505	32.52	1.000	1.000	2.2085	88.3	0.0509	2.21
12	12 1,2,3,6,7,8-HxCDF	4.33e3	1.33	NO	1.10	1.000	32.646	32.65	1.000	1.000	2.2276	89.1	0.0487	2.23
13	13 2,3,4,6,7,8-HxCDF	3.96e3	1.28	NO	1.09	1.000	33.306	33.28	1.001	1.000	2.2609	90.4	0.0596	2.26
14	14 1,2,3,7,8,9-HxCDF	3.56e3	1.35	NO	1.08	1.000	34.293	34.30	1.000	1.000	2.2843	91.4	0.0732	2.28
15	15 1,2,3,4,6,7,8-HpCDF	3.59e3	1.10	NO	1.13	1.000	35.964	35.95	1.001	1.001	2.1875	87.5	0.0754	2.19
16	16 1,2,3,4,7,8,9-HpCDF	2.96e3	1.11	NO	1.29	1.000	37.838	37.85	1.000	1.000	2.1582	86.3	0.0750	2.16
17	17 OCDF	5.45e3	0.88	NO	0.953	1.000	40.701	40.71	1.000	1.000	4.5423	90.8	0.0888	4.54
18	18 13C-2,3,7,8-TCDD	1.77e5	0.78	NO	1.17	1.000	25.786	25.79	1.026	1.026	96.769	96.8	0.372	
19	19 13C-1,2,3,7,8-PeCDD	1.43e5	0.61	NO	0.914	1.000	29.974	30.15	1.193	1.199	100.22	100	0.199	
20	20 13C-1,2,3,4,7,8-HxCDD	1.06e5	1.29	NO	0.634	1.000	33.405	33.39	1.014	1.014	98.510	98.5	0.441	
21	21 13C-1,2,3,6,7,8-HxCDD	1.21e5	1.25	NO	0.724	1.000	33.514	33.51	1.017	1.017	97.961	98.0	0.386	
22	22 13C-1,2,3,7,8,9-HxCDD	1.22e5	1.30	NO	0.716	1.000	33.780	33.80	1.025	1.026	100.00	100	0.390	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.13e5	1.06	NO	0.660	1.000	37.193	37.19	1.129	1.129	100.83	101	0.613	
24	24 13C-OCDD	2.08e5	0.87	NO	0.587	1.000	40.172	40.38	1.219	1.226	209.10	105	0.471	
25	25 13C-2,3,7,8-TCDF	2.58e5	0.80	NO	1.02	1.000	24.882	25.13	0.990	1.000	100.73	101	0.338	
26	26 13C-1,2,3,7,8-PeCDF	2.00e5	1.58	NO	0.842	1.000	29.046	29.00	1.156	1.154	94.617	94.6	0.364	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.56	NO	0.802	1.000	29.933	29.94	1.191	1.191	98.287	98.3	0.382	
28	28 13C-1,2,3,4,7,8-HxCDF	1.72e5	0.50	NO	1.00	1.000	32.548	32.50	0.988	0.987	100.71	101	0.407	
29	29 13C-1,2,3,6,7,8-HxCDF	1.77e5	0.49	NO	1.02	1.000	32.680	32.64	0.992	0.991	102.10	102	0.401	
30	30 13C-2,3,4,6,7,8-HxCDF	1.61e5	0.51	NO	0.955	1.000	33.243	33.27	1.009	1.010	99.175	99.2	0.428	
31	31 13C-1,2,3,7,8,9-HxCDF	1.44e5	0.49	NO	0.851	1.000	34.308	34.29	1.041	1.041	99.754	99.8	0.480	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.45e5	0.41	NO	0.848	1.000	35.810	35.93	1.087	1.091	100.64	101	0.494	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.07e5	0.44	NO	0.624	1.000	37.786	37.84	1.147	1.149	100.46	100	0.671	
34	34 13C-OCDF	2.52e5	0.87	NO	0.730	1.000	40.323	40.70	1.224	1.235	203.36	102	0.391	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	8.95e2			1.21	1.000	25.784	25.81	1.026	1.027	0.47558	95.1	0.0525	
36	36 13C-1,2,3,4-TCDD	1.56e5	0.77	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.436	
37	37 13C-1,2,3,4-TCDF	2.51e5	0.79	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.345	
38	38 13C-1,2,3,4,6,9-HxCDF	1.70e5	0.49	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.408	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Name: 200930D2\_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

	# 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	3.35e3	0.80	NO	1.00	1.000	25.806	25.79	1.001	1.001	1.7454	87.3	0.0590	1.75
2	2 1,2,3,7,8-PeCDD	1.29e4	0.59	NO	0.935	1.000	30.166	30.15	1.001	1.000	8.9436	89.4	0.0709	8.94
3	3 1,2,3,4,7,8-HxCDD	1.21e4	1.33	NO	1.15	1.000	33.393	33.39	1.000	1.000	8.9337	89.3	0.114	8.93
4	4 1,2,3,6,7,8-HxCDD	1.28e4	1.26	NO	1.02	1.000	33.503	33.51	1.000	1.000	9.1556	91.6	0.120	9.16
5	5 1,2,3,7,8,9-HxCDD	1.28e4	1.33	NO	1.06	1.000	33.811	33.79	1.001	1.000	9.0082	90.1	0.115	9.01
6	6 1,2,3,4,6,7,8-HpCDD	1.09e4	1.04	NO	1.00	1.000	37.179	37.18	1.000	1.000	8.9356	89.4	0.134	8.94
7	7 OCDD	1.88e4	0.91	NO	0.952	1.000	40.361	40.37	1.000	1.000	18.794	94.0	0.105	18.8
8	8 2,3,7,8-TCDF	4.49e3	0.74	NO	1.01	1.000	25.143	25.15	1.001	1.001	1.6566	82.8	0.0457	1.66
9	9 1,2,3,7,8-PeCDF	2.02e4	1.59	NO	0.998	1.000	28.998	29.00	1.001	1.001	9.1384	91.4	0.0784	9.14
10	10 2,3,4,7,8-PeCDF	2.12e4	1.62	NO	1.07	1.000	29.974	29.96	1.001	1.001	9.3871	93.9	0.0692	9.39
11	11 1,2,3,4,7,8-HxCDF	1.75e4	1.25	NO	1.05	1.000	32.483	32.50	1.000	1.001	9.0042	90.0	0.0728	9.00
12	12 1,2,3,6,7,8-HxCDF	1.87e4	1.24	NO	1.10	1.000	32.624	32.64	1.000	1.001	9.0344	90.3	0.0761	9.03
13	13 2,3,4,6,7,8-HxCDF	1.77e4	1.26	NO	1.09	1.000	33.295	33.28	1.001	1.001	8.9732	89.7	0.0765	8.97
14	14 1,2,3,7,8,9-HxCDF	1.49e4	1.23	NO	1.08	1.000	34.271	34.29	1.000	1.001	8.8694	88.7	0.111	8.87
15	15 1,2,3,4,6,7,8-HpCDF	1.52e4	0.98	NO	1.13	1.000	35.942	35.92	1.001	1.000	8.7232	87.2	0.121	8.72
16	16 1,2,3,4,7,8,9-HpCDF	1.31e4	1.04	NO	1.29	1.000	37.816	37.83	1.000	1.000	9.1888	91.9	0.123	9.19
17	17 OCDF	2.28e4	0.87	NO	0.953	1.000	40.680	40.69	1.000	1.000	18.281	91.4	0.0889	18.3
18	18 13C-2,3,7,8-TCDD	1.92e5	0.75	NO	1.17	1.000	25.771	25.78	1.026	1.026	102.22	102	0.316	
19	19 13C-1,2,3,7,8-PeCDD	1.55e5	0.63	NO	0.914	1.000	29.955	30.15	1.193	1.200	105.86	106	0.332	
20	20 13C-1,2,3,4,7,8-HxCDD	1.17e5	1.28	NO	0.634	1.000	33.383	33.38	1.014	1.014	97.531	97.5	0.351	
21	21 13C-1,2,3,6,7,8-HxCDD	1.36e5	1.28	NO	0.724	1.000	33.491	33.50	1.017	1.018	99.251	99.3	0.307	
22	22 13C-1,2,3,7,8,9-HxCDD	1.34e5	1.26	NO	0.716	1.000	33.758	33.78	1.025	1.026	98.689	98.7	0.310	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.22e5	1.12	NO	0.660	1.000	37.169	37.17	1.129	1.129	97.425	97.4	0.540	
24	24 13C-OCDD	2.10e5	0.90	NO	0.587	1.000	40.145	40.36	1.219	1.226	188.69	94.3	0.406	
25	25 13C-2,3,7,8-TCDF	2.68e5	0.80	NO	1.02	1.000	24.866	25.12	0.990	1.000	99.924	99.9	0.356	
26	26 13C-1,2,3,7,8-PeCDF	2.22e5	1.59	NO	0.842	1.000	29.028	28.98	1.156	1.154	100.40	100	0.366	
27	27 13C-2,3,4,7,8-PeCDF	2.10e5	1.68	NO	0.802	1.000	29.915	29.94	1.191	1.192	100.05	100	0.385	
28	28 13C-1,2,3,4,7,8-HxCDF	1.84e5	0.50	NO	1.00	1.000	32.527	32.48	0.988	0.987	96.954	97.0	0.452	
29	29 13C-1,2,3,6,7,8-HxCDF	1.88e5	0.49	NO	1.02	1.000	32.658	32.61	0.992	0.991	97.404	97.4	0.445	
30	30 13C-2,3,4,6,7,8-HxCDF	1.81e5	0.50	NO	0.955	1.000	33.221	33.26	1.009	1.010	100.01	100	0.475	
31	31 13C-1,2,3,7,8,9-HxCDF	1.55e5	0.52	NO	0.851	1.000	34.285	34.27	1.041	1.041	96.035	96.0	0.532	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.54e5	0.42	NO	0.848	1.000	35.786	35.91	1.087	1.091	95.936	95.9	0.449	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.10e5	0.43	NO	0.624	1.000	37.761	37.82	1.147	1.149	93.270	93.3	0.610	
34	34 13C-OCDF	2.61e5	0.88	NO	0.730	1.000	40.296	40.68	1.224	1.236	188.84	94.4	0.327	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Name: 200930D2\_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	3.83e3			1.21	1.000	25.768	25.81	1.026	1.027	1.9864	99.3	0.0538	
36	36 13C-1,2,3,4-TCDD	1.60e5	0.78	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.370	
37	37 13C-1,2,3,4-TCDF	2.62e5	0.79	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.363	
38	38 13C-1,2,3,4,6,9-HxCDF	1.90e5	0.50	NO	1.00	1.000	32.990	32.92	1.000	1.000	100.00	100	0.453	

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Name: 200930D2\_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

	# 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	1.39e4	0.77	NO	1.00	1.000	25.821	25.81	1.001	1.001	9.5080	95.1	0.111	9.51
2	2 1,2,3,7,8-PeCDD	5.42e4	0.59	NO	0.935	1.000	30.166	30.17	1.001	1.001	49.698	99.4	0.181	49.7
3	3 1,2,3,4,7,8-HxCDD	5.14e4	1.26	NO	1.15	1.000	33.404	33.40	1.000	1.000	50.422	101	0.242	50.4
4	4 1,2,3,6,7,8-HxCDD	5.15e4	1.26	NO	1.02	1.000	33.503	33.53	1.000	1.001	49.826	99.7	0.270	49.8
5	5 1,2,3,7,8,9-HxCDD	5.21e4	1.29	NO	1.06	1.000	33.822	33.80	1.001	1.000	49.221	98.4	0.250	49.2
6	6 1,2,3,4,6,7,8-HpCDD	4.59e4	1.05	NO	1.00	1.000	37.190	37.19	1.000	1.000	48.395	96.8	0.334	48.4
7	7 OCDD	7.84e4	0.91	NO	0.952	1.000	40.372	40.39	1.000	1.001	101.14	101	0.308	101
8	8 2,3,7,8-TCDF	1.88e4	0.74	NO	1.01	1.000	25.158	25.16	1.001	1.001	8.8783	88.8	0.0922	8.88
9	9 1,2,3,7,8-PeCDF	8.94e4	1.63	NO	0.998	1.000	29.019	29.00	1.001	1.000	49.989	100	0.142	50.0
10	10 2,3,4,7,8-PeCDF	8.96e4	1.62	NO	1.07	1.000	29.974	29.96	1.001	1.001	51.857	104	0.130	51.9
11	11 1,2,3,4,7,8-HxCDF	7.44e4	1.27	NO	1.05	1.000	32.494	32.50	1.000	1.000	50.500	101	0.220	50.5
12	12 1,2,3,6,7,8-HxCDF	7.93e4	1.26	NO	1.10	1.000	32.635	32.64	1.000	1.000	49.738	99.5	0.206	49.7
13	13 2,3,4,6,7,8-HxCDF	7.34e4	1.23	NO	1.09	1.000	33.306	33.28	1.001	1.000	50.165	100	0.237	50.2
14	14 1,2,3,7,8,9-HxCDF	6.56e4	1.26	NO	1.08	1.000	34.282	34.29	1.000	1.000	50.648	101	0.288	50.6
15	15 1,2,3,4,6,7,8-HpCDF	6.77e4	1.02	NO	1.13	1.000	35.953	35.94	1.001	1.001	51.219	102	0.334	51.2
16	16 1,2,3,4,7,8,9-HpCDF	5.55e4	1.02	NO	1.29	1.000	37.827	37.84	1.000	1.000	49.634	99.3	0.356	49.6
17	17 OCDF	9.70e4	0.90	NO	0.953	1.000	40.690	40.71	1.000	1.001	99.596	99.6	0.263	99.6
18	18 13C-2,3,7,8-TCDD	1.46e5	0.79	NO	1.17	1.000	25.771	25.79	1.026	1.027	97.942	97.9	0.382	
19	19 13C-1,2,3,7,8-PeCDD	1.17e5	0.63	NO	0.914	1.000	29.955	30.15	1.193	1.200	100.61	101	0.290	
20	20 13C-1,2,3,4,7,8-HxCDD	8.84e4	1.27	NO	0.634	1.000	33.394	33.39	1.014	1.014	98.658	98.7	0.415	
21	21 13C-1,2,3,6,7,8-HxCDD	1.01e5	1.26	NO	0.724	1.000	33.503	33.50	1.017	1.017	98.518	98.5	0.363	
22	22 13C-1,2,3,7,8,9-HxCDD	9.97e4	1.21	NO	0.716	1.000	33.769	33.79	1.025	1.026	98.480	98.5	0.367	
23	23 13C-1,2,3,4,6,7,8-HpCDD	9.48e4	1.06	NO	0.660	1.000	37.181	37.18	1.129	1.129	101.49	101	0.587	
24	24 13C-OCDD	1.63e5	0.88	NO	0.587	1.000	40.158	40.37	1.219	1.226	196.23	98.1	0.349	
25	25 13C-2,3,7,8-TCDF	2.10e5	0.78	NO	1.02	1.000	24.866	25.13	0.990	1.001	99.133	99.1	0.390	
26	26 13C-1,2,3,7,8-PeCDF	1.79e5	1.59	NO	0.842	1.000	29.028	29.00	1.156	1.154	102.97	103	0.440	
27	27 13C-2,3,4,7,8-PeCDF	1.61e5	1.67	NO	0.802	1.000	29.915	29.94	1.191	1.192	96.981	97.0	0.462	
28	28 13C-1,2,3,4,7,8-HxCDF	1.40e5	0.49	NO	1.00	1.000	32.538	32.49	0.988	0.987	98.799	98.8	0.562	
29	29 13C-1,2,3,6,7,8-HxCDF	1.45e5	0.50	NO	1.02	1.000	32.669	32.63	0.992	0.991	100.59	101	0.554	
30	30 13C-2,3,4,6,7,8-HxCDF	1.35e5	0.50	NO	0.955	1.000	33.233	33.27	1.009	1.010	99.579	99.6	0.591	
31	31 13C-1,2,3,7,8,9-HxCDF	1.20e5	0.50	NO	0.851	1.000	34.296	34.28	1.041	1.041	99.429	99.4	0.663	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.17e5	0.43	NO	0.848	1.000	35.798	35.92	1.087	1.091	97.444	97.4	0.468	
33	33 13C-1,2,3,4,7,8,9-HpCDF	8.69e4	0.41	NO	0.624	1.000	37.774	37.83	1.147	1.149	98.450	98.4	0.635	
34	34 13C-OCDF	2.04e5	0.88	NO	0.730	1.000	40.310	40.69	1.224	1.236	197.95	99.0	0.428	



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Name: 200930D2\_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	1.49e4			1.21	1.000	25.768	25.81	1.026	1.027	9.7292	97.3	0.0917	
36	36 13C-1,2,3,4-TCDD	1.27e5	0.80	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.448	
37	37 13C-1,2,3,4-TCDF	2.07e5	0.80	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.399	
38	38 13C-1,2,3,4,6,9-HxCDF	1.41e5	0.50	NO	1.00	1.000	32.990	32.93	1.000	1.000	100.00	100	0.564	

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Name: 200930D2\_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

#	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	7.37e4	0.76	NO	1.00	1.000	25.806	25.81	1.001	1.001	38.854	97.1	0.0708	38.9
2	2 1,2,3,7,8-PeCDD	2.74e5	0.60	NO	0.935	1.000	30.167	30.17	1.001	1.001	221.90	111	0.133	222
3	3 1,2,3,4,7,8-HxCDD	2.76e5	1.29	NO	1.15	1.000	33.404	33.40	1.000	1.000	219.24	110	0.210	219
4	4 1,2,3,6,7,8-HxCDD	2.74e5	1.23	NO	1.02	1.000	33.504	33.53	1.000	1.001	216.34	108	0.225	216
5	5 1,2,3,7,8,9-HxCDD	2.84e5	1.25	NO	1.06	1.000	33.823	33.81	1.001	1.001	219.54	110	0.229	220
6	6 1,2,3,4,6,7,8-HpCDD	2.47e5	1.04	NO	1.00	1.000	37.191	37.20	1.000	1.001	221.28	111	0.516	221
7	7 OCDD	4.22e5	0.90	NO	0.952	1.000	40.384	40.39	1.000	1.000	426.28	107	0.374	426
8	8 2,3,7,8-TCDF	1.04e5	0.77	NO	1.01	1.000	25.158	25.15	1.001	1.001	39.830	99.6	0.0601	39.8
9	9 1,2,3,7,8-PeCDF	4.62e5	1.61	NO	0.998	1.000	28.999	29.00	1.001	1.001	218.35	109	0.201	218
10	10 2,3,4,7,8-PeCDF	4.79e5	1.60	NO	1.07	1.000	29.974	29.96	1.001	1.001	225.85	113	0.162	226
11	11 1,2,3,4,7,8-HxCDF	4.05e5	1.25	NO	1.05	1.000	32.494	32.51	1.000	1.000	223.95	112	0.297	224
12	12 1,2,3,6,7,8-HxCDF	4.22e5	1.24	NO	1.10	1.000	32.636	32.64	1.000	1.000	219.12	110	0.284	219
13	13 2,3,4,6,7,8-HxCDF	3.94e5	1.24	NO	1.09	1.000	33.306	33.29	1.001	1.001	225.95	113	0.334	226
14	14 1,2,3,7,8,9-HxCDF	3.46e5	1.29	NO	1.08	1.000	34.283	34.29	1.000	1.000	215.45	108	0.399	215
15	15 1,2,3,4,6,7,8-HpCDF	3.79e5	1.04	NO	1.13	1.000	35.954	35.94	1.001	1.001	224.59	112	0.460	225
16	16 1,2,3,4,7,8,9-HpCDF	3.19e5	1.03	NO	1.29	1.000	37.827	37.84	1.000	1.000	219.44	110	0.460	219
17	17 OCDF	5.52e5	0.89	NO	0.953	1.000	40.691	40.71	1.000	1.001	449.43	112	0.339	449
18	18 13C-2,3,7,8-TCDD	1.89e5	0.79	NO	1.17	1.000	25.771	25.78	1.026	1.026	98.388	98.4	0.296	
19	19 13C-1,2,3,7,8-PeCDD	1.32e5	0.63	NO	0.914	1.000	29.956	30.15	1.193	1.200	88.219	88.2	0.204	
20	20 13C-1,2,3,4,7,8-HxCDD	1.09e5	1.28	NO	0.634	1.000	33.394	33.39	1.014	1.014	100.34	100	0.403	
21	21 13C-1,2,3,6,7,8-HxCDD	1.24e5	1.28	NO	0.724	1.000	33.503	33.50	1.017	1.017	99.250	99.3	0.353	
22	22 13C-1,2,3,7,8,9-HxCDD	1.22e5	1.23	NO	0.716	1.000	33.769	33.79	1.025	1.026	99.176	99.2	0.357	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.12e5	1.04	NO	0.660	1.000	37.181	37.18	1.129	1.129	98.247	98.2	0.525	
24	24 13C-OCDD	2.08e5	0.90	NO	0.587	1.000	40.159	40.38	1.219	1.226	206.10	103	0.403	
25	25 13C-2,3,7,8-TCDF	2.57e5	0.78	NO	1.02	1.000	24.867	25.13	0.990	1.001	98.299	98.3	0.313	
26	26 13C-1,2,3,7,8-PeCDF	2.12e5	1.62	NO	0.842	1.000	29.029	28.98	1.156	1.154	98.319	98.3	0.497	
27	27 13C-2,3,4,7,8-PeCDF	1.98e5	1.60	NO	0.802	1.000	29.915	29.94	1.191	1.192	96.177	96.2	0.522	
28	28 13C-1,2,3,4,7,8-HxCDF	1.72e5	0.51	NO	1.00	1.000	32.538	32.49	0.988	0.987	99.701	99.7	0.382	
29	29 13C-1,2,3,6,7,8-HxCDF	1.75e5	0.51	NO	1.02	1.000	32.670	32.63	0.992	0.991	99.974	100	0.376	
30	30 13C-2,3,4,6,7,8-HxCDF	1.60e5	0.51	NO	0.955	1.000	33.233	33.27	1.009	1.010	97.627	97.6	0.401	
31	31 13C-1,2,3,7,8,9-HxCDF	1.49e5	0.52	NO	0.851	1.000	34.296	34.28	1.041	1.041	101.52	102	0.450	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.49e5	0.42	NO	0.848	1.000	35.798	35.92	1.087	1.091	102.27	102	0.410	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.13e5	0.41	NO	0.624	1.000	37.774	37.83	1.147	1.149	105.42	105	0.557	
34	34 13C-OCDF	2.58e5	0.88	NO	0.730	1.000	40.310	40.69	1.224	1.236	205.63	103	0.367	

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Name: 200930D2\_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	8.56e4			1.21	1.000	25.768	25.81	1.026	1.027	43.240	108	0.0718	
36	36 13C-1,2,3,4-TCDD	1.64e5	0.79	NO	1.00	1.000	25.260	25.12	1.000	1.000	100.00	100	0.348	
37	37 13C-1,2,3,4-TCDF	2.56e5	0.78	NO	1.00	1.000	23.930	23.77	1.000	1.000	100.00	100	0.319	
38	38 13C-1,2,3,4,6,9-HxCDF	1.72e5	0.50	NO	1.00	1.000	32.990	32.93	1.000	1.000	100.00	100	0.383	

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Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

#	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	7.58e5	0.78	NO	1.00	1.000	25.837	25.82	1.001	1.001	356.63	119	0.0966	357
2	2 1,2,3,7,8-PeCDD	2.85e6	0.62	NO	0.935	1.000	30.167	30.17	1.001	1.001	1780.4	119	0.172	1780
3	3 1,2,3,4,7,8-HxCDD	2.71e6	1.27	NO	1.15	1.000	33.404	33.42	1.000	1.001	1675.8	112	0.517	1680
4	4 1,2,3,6,7,8-HxCDD	2.69e6	1.28	NO	1.02	1.000	33.514	33.54	1.000	1.001	1680.7	112	0.531	1680
5	5 1,2,3,7,8,9-HxCDD	2.81e6	1.28	NO	1.06	1.000	33.834	33.82	1.001	1.001	1704.1	114	0.514	1700
6	6 1,2,3,4,6,7,8-HpCDD	2.53e6	1.04	NO	1.00	1.000	37.212	37.21	1.000	1.000	1793.7	120	1.10	1790
7	7 OCDD	4.25e6	0.91	NO	0.952	1.000	40.405	40.42	1.000	1.000	3501.8	117	0.640	3500
8	8 2,3,7,8-TCDF	9.86e5	0.76	NO	1.01	1.000	25.173	25.16	1.001	1.001	338.16	113	0.0928	338
9	9 1,2,3,7,8-PeCDF	4.38e6	1.61	NO	0.998	1.000	29.019	29.02	1.001	1.001	1733.2	116	0.290	1730
10	10 2,3,4,7,8-PeCDF	4.65e6	1.58	NO	1.07	1.000	29.994	29.96	1.001	1.000	1748.5	117	0.254	1750
11	11 1,2,3,4,7,8-HxCDF	3.93e6	1.26	NO	1.05	1.000	32.505	32.52	1.000	1.000	1735.3	116	0.598	1740
12	12 1,2,3,6,7,8-HxCDF	4.09e6	1.24	NO	1.10	1.000	32.646	32.65	1.000	1.000	1760.3	117	0.578	1760
13	13 2,3,4,6,7,8-HxCDF	3.89e6	1.24	NO	1.09	1.000	33.317	33.29	1.001	1.000	1762.8	118	0.677	1760
14	14 1,2,3,7,8,9-HxCDF	3.50e6	1.25	NO	1.08	1.000	34.293	34.30	1.000	1.000	1741.6	116	0.787	1740
15	15 1,2,3,4,6,7,8-HpCDF	3.65e6	1.03	NO	1.13	1.000	35.964	35.95	1.001	1.001	1771.8	118	1.17	1770
16	16 1,2,3,4,7,8,9-HpCDF	3.13e6	1.03	NO	1.29	1.000	37.838	37.86	1.000	1.001	1782.6	119	1.19	1780
17	17 OCDF	5.35e6	0.90	NO	0.953	1.000	40.713	40.73	1.000	1.001	3484.8	116	0.570	3480
18	18 13C-2,3,7,8-TCDD	2.12e5	0.79	NO	1.17	1.000	25.786	25.81	1.026	1.027	104.16	104	0.286	
19	19 13C-1,2,3,7,8-PeCDD	1.71e5	0.64	NO	0.914	1.000	29.974	30.15	1.193	1.199	107.75	108	0.215	
20	20 13C-1,2,3,4,7,8-HxCDD	1.40e5	1.26	NO	0.634	1.000	33.405	33.39	1.014	1.014	109.23	109	0.282	
21	21 13C-1,2,3,6,7,8-HxCDD	1.56e5	1.25	NO	0.724	1.000	33.514	33.51	1.017	1.017	106.34	106	0.247	
22	22 13C-1,2,3,7,8,9-HxCDD	1.55e5	1.28	NO	0.716	1.000	33.781	33.80	1.025	1.026	107.07	107	0.250	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.41e5	1.06	NO	0.660	1.000	37.194	37.20	1.129	1.129	105.30	105	0.429	
24	24 13C-OCDD	2.55e5	0.91	NO	0.587	1.000	40.172	40.41	1.219	1.226	214.60	107	0.280	
25	25 13C-2,3,7,8-TCDF	2.88e5	0.77	NO	1.02	1.000	24.882	25.15	0.990	1.001	101.82	102	0.296	
26	26 13C-1,2,3,7,8-PeCDF	2.53e5	1.56	NO	0.842	1.000	29.046	29.00	1.156	1.154	108.85	109	0.302	
27	27 13C-2,3,4,7,8-PeCDF	2.47e5	1.63	NO	0.802	1.000	29.933	29.96	1.191	1.192	111.60	112	0.317	
28	28 13C-1,2,3,4,7,8-HxCDF	2.16e5	0.51	NO	1.00	1.000	32.549	32.51	0.988	0.987	106.11	106	0.327	
29	29 13C-1,2,3,6,7,8-HxCDF	2.11e5	0.51	NO	1.02	1.000	32.680	32.64	0.992	0.991	102.28	102	0.322	
30	30 13C-2,3,4,6,7,8-HxCDF	2.03e5	0.50	NO	0.955	1.000	33.244	33.28	1.009	1.010	104.72	105	0.344	
31	31 13C-1,2,3,7,8,9-HxCDF	1.86e5	0.50	NO	0.851	1.000	34.308	34.29	1.041	1.041	107.61	108	0.386	
32	32 13C-1,2,3,4,6,7,8-HpCDF	1.82e5	0.42	NO	0.848	1.000	35.810	35.93	1.087	1.091	105.97	106	0.366	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.37e5	0.43	NO	0.624	1.000	37.787	37.84	1.147	1.149	108.00	108	0.497	
34	34 13C-OCDF	3.22e5	0.90	NO	0.730	1.000	40.323	40.71	1.224	1.236	217.87	109	0.278	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 10:27:41 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:33:19 Pacific Daylight Time

Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
35	35 37Cl-2,3,7,8-TCDD	5.12e5			1.21	1.000	25.784	25.82	1.026	1.027	244.41	122	0.0655	
36	36 13C-1,2,3,4-TCDD	1.74e5	0.81	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.335	
37	37 13C-1,2,3,4-TCDF	2.77e5	0.77	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.302	
38	38 13C-1,2,3,4,6,9-HxCDF	2.03e5	0.50	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.328	

Dataset: Untitled

Last Altered: Thursday, October 01, 2020 10:37:09 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:37:36 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\CPSM.mdb 22 Sep 2020 09:44:55

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2\_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

#	Name	RT
1	1,3,6,8-TCDD (First)	22.41
2	1,2,8,9-TCDD (Last)	26.63
3	1,2,4,7,9-PeCDD (First)	28.07
4	1,2,3,8,9-PeCDD (Last)	30.51
5	1,2,4,6,7,9-HxCDD (First)	31.78
6	1,2,3,7,8,9-HxCDD (Last)	33.80
7	1,2,3,4,6,7,9-HpCDD (First)	36.29
8	1,2,3,4,6,7,8-HpCDD (Last)	37.19
9	1,3,6,8-TCDF (First)	20.29
10	1,2,8,9-TCDF (Last)	26.91
11	1,3,4,6,8-PeCDF (First)	26.55
12	1,2,3,8,9-PeCDF (Last)	30.83
13	1,2,3,4,6,8-HxCDF (First)	31.26
14	1,2,3,7,8,9-HxCDF (Last)	34.29
15	1,2,3,4,6,7,8-HpCDF (First)	35.94
16	1,2,3,4,7,8,9-HpCDF (Last)	37.84

Vista Analytical Laboratory VG-11

Dataset: Untitled

Last Altered: Thursday, October 01, 2020 10:38:02 Pacific Daylight Time

Printed: Thursday, October 01, 2020 10:38:09 Pacific Daylight Time

Method: C:\MassLynx\Default.pro\Methdb\1613\_rrt.mdb 11 Sep 2020 15:14:27

Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

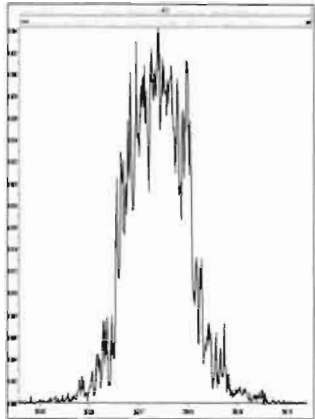
Compound name: 2,3,7,8-TCDD

	Name	ID	Acq.Date	Acq.Time
1	200930D2_1	ST200930D2-1 1613 CS0 20F1102	30-Sep-20	12:06:04
2	200930D2_2	ST200930D2-2 1613 CS1 20F1103	30-Sep-20	12:51:13
3	200930D2_3	ST200930D2-3 1613 CS2 20F1104	30-Sep-20	13:37:23
4	200930D2_4	ST200930D2-4 1613 CS3 20F1105	30-Sep-20	14:23:39
5	200930D2_5	ST200930D2-5 1613 CS4 20F1106	30-Sep-20	15:49:01
6	200930D2_6	ST200930D2-6 1613 CS5 20F1107	30-Sep-20	16:35:44
7	200930D2_7	SOLVENT BLANK	30-Sep-20	17:21:53
8	200930D2_8	SS200930D2-1 1613 SSS 20F1108	30-Sep-20	18:08:02
9	200930D2_9	QC200930D2-1 TCDF CPSM	30-Sep-20	18:54:11
10	200930D2_10	B0I0193-BS1 OPR 10	30-Sep-20	19:40:20
11	200930D2_11	SOLVENT BLANK	30-Sep-20	20:26:29
12	200930D2_12	B0I0193-BLK1 Method Blank 10	30-Sep-20	21:11:54
13	200930D2_13	2002003-01 PDI-018SC-A-00-01-190926 10.15	30-Sep-20	21:57:18
14	200930D2_14	2002003-02 PDI-018SC-A-01-02-190926 11.65	30-Sep-20	22:43:26
15	200930D2_15	2002003-03 PDI-018SC-A-02-03-190926 10.16	30-Sep-20	23:29:40
16	200930D2_16	2002003-04 PDI-018SC-A-03-04-190926 11.5	01-Oct-20	00:15:48
17	200930D2_17	2002003-05 PDI-018SC-A-04-05-190926 10.06	01-Oct-20	01:01:11
18	200930D2_18	2002003-06 PDI-018SC-A-05-06-190926 10.33	01-Oct-20	01:46:37

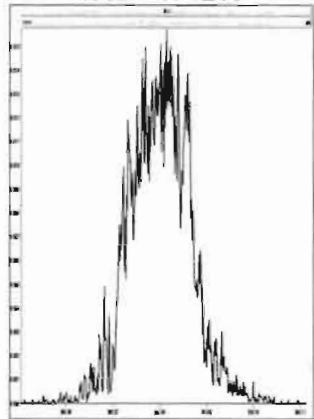
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 1 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:01:52 Pacific Daylight Time

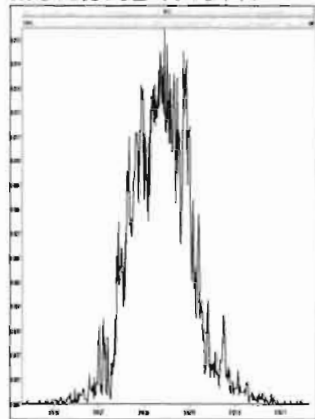
M 292.9824 R 12884



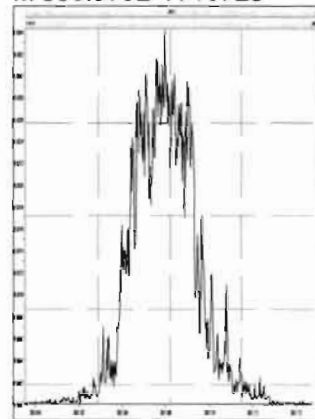
M 304.9824 R 12191



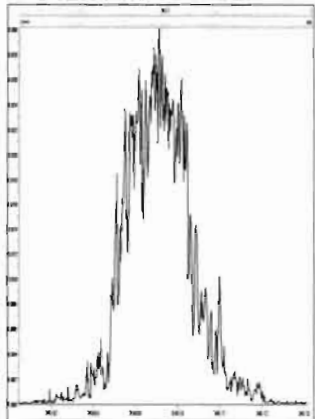
M 318.9792 R 13441



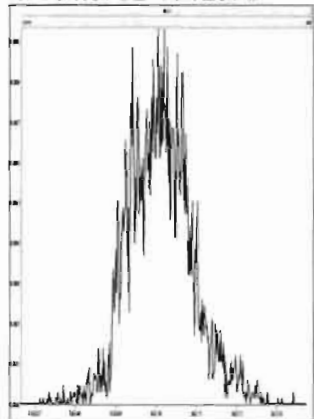
M 330.9792 R 10728



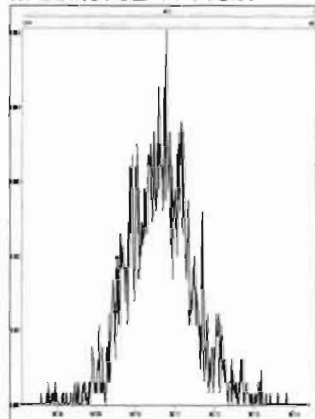
M 342.9792 R 11907



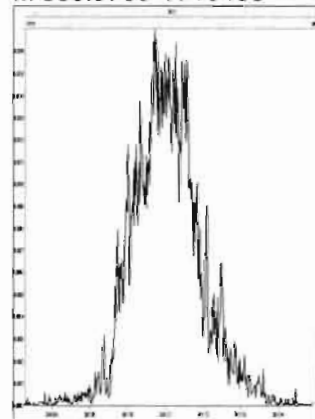
M 354.9792 R 12078



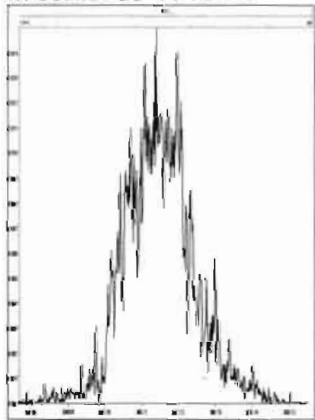
M 366.9792 R 11847



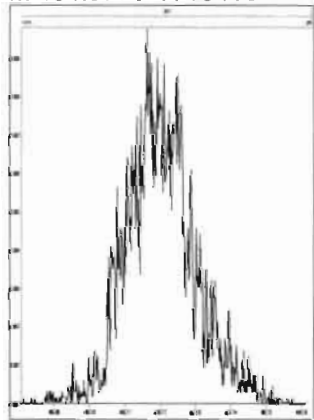
M 380.9760 R 10458



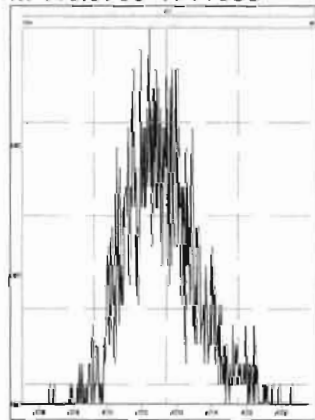
M 392.9760 R 10247



M 404.9760 R 10416



M 416.9760 R 11685

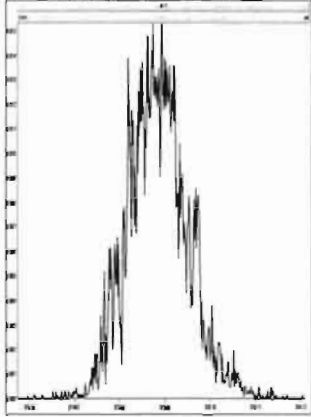




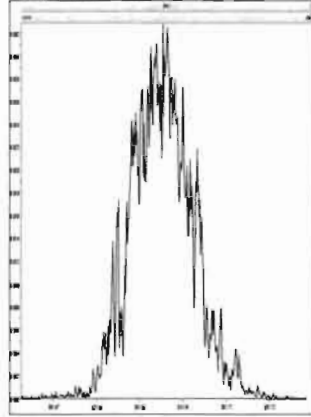
File: Experiment: ocdd\_db5.exp Reference: Pfk.ref Function: 2 @ 200 (ppm)

Printed: Wednesday, September 30, 2020 12:02:33 Pacific Daylight Time

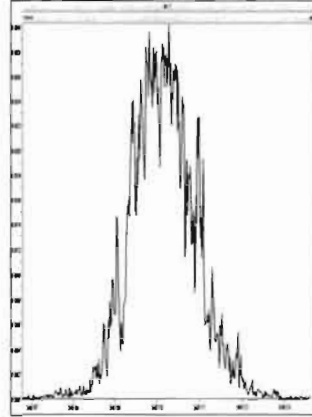
M 318.9792 R 11463



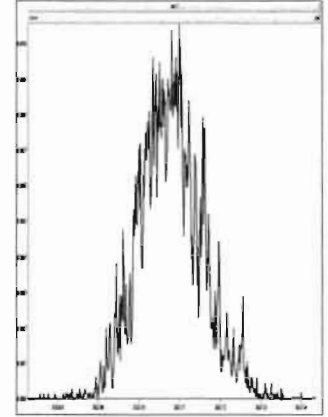
M 330.9792 R 10775



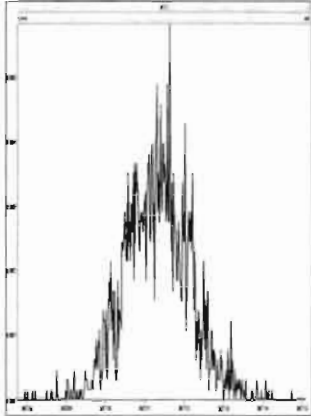
M 342.9792 R 10414



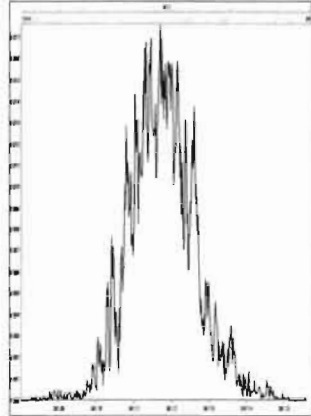
M 354.9792 R 10772



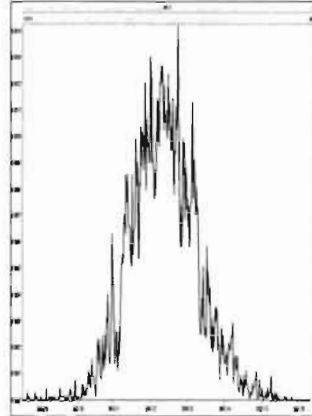
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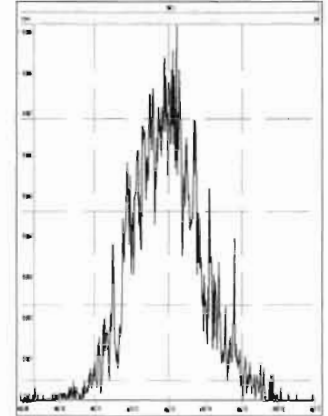
M 380.9760 R 10778



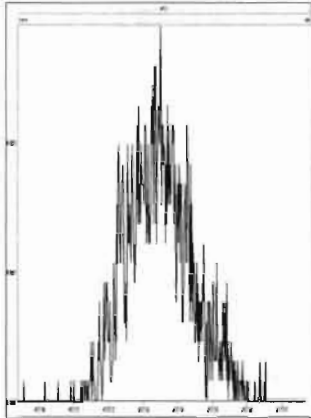
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M 404.9760 R 10504



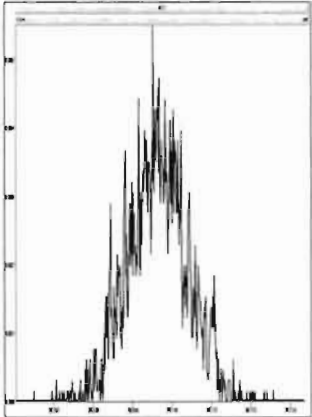
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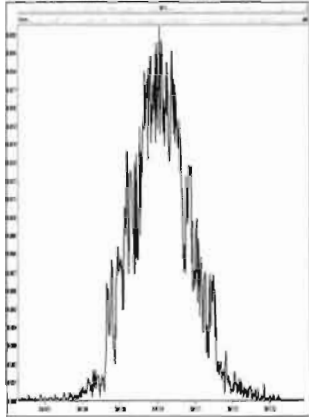
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Printed: Wednesday, September 30, 2020 12:03:12 Pacific Daylight Time

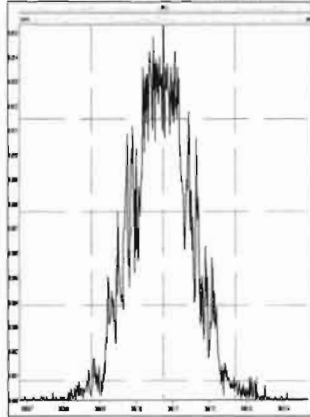
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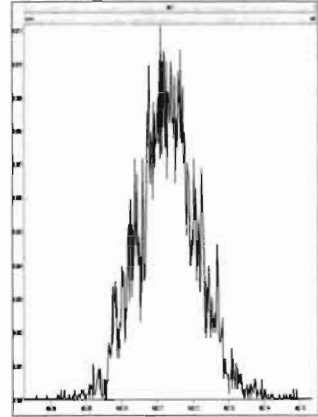
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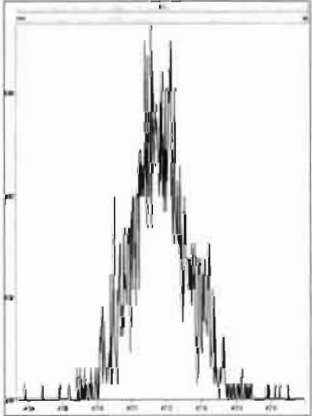
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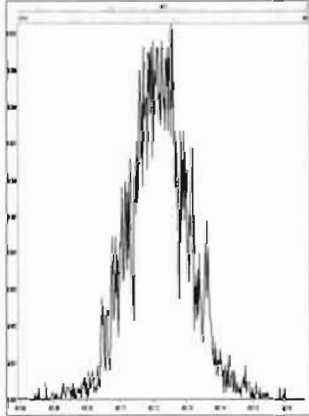
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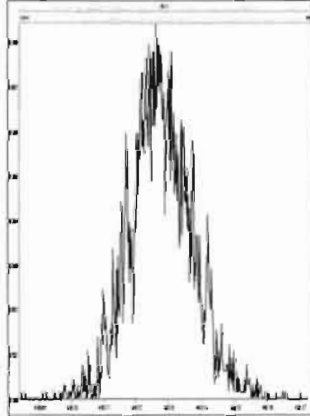
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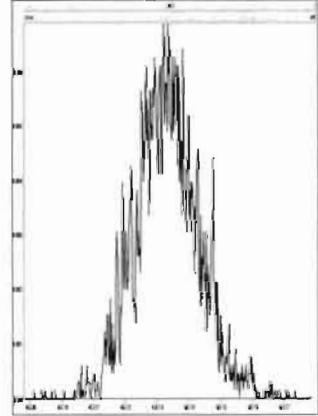
M 430.9728 R 11469



M 442.9728 R 11161



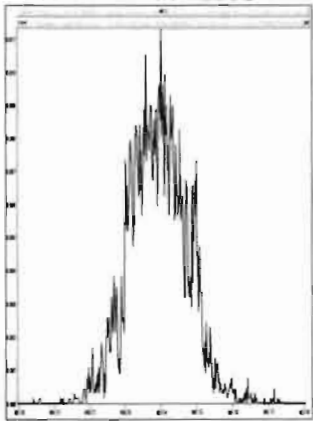
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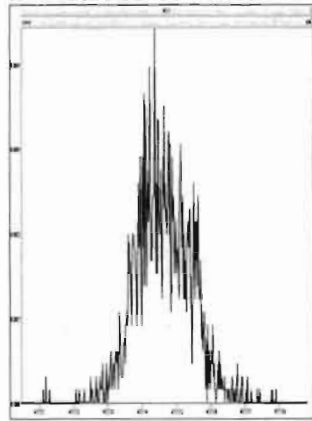
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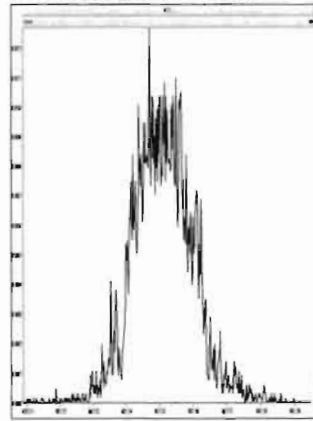
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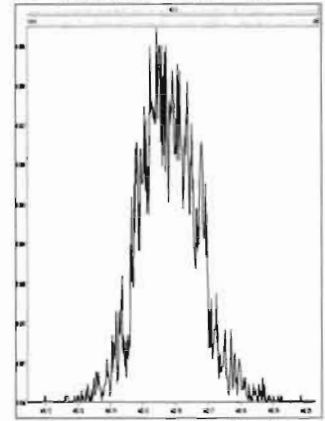
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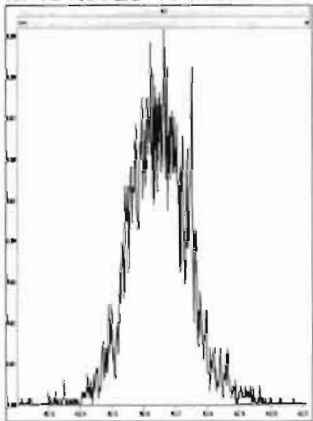
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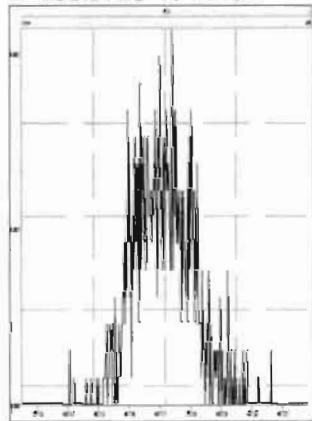
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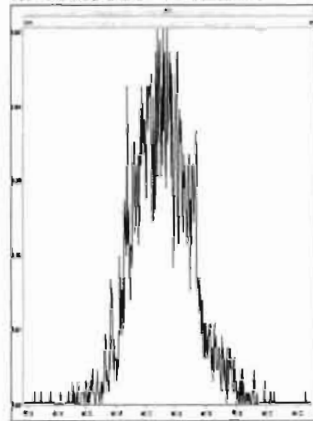
M 454.9728 R 11627



M 466.9728 R 14704



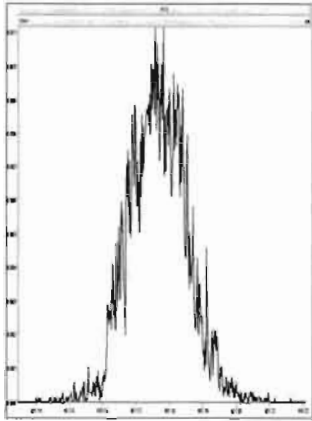
M 480.9696 R 12252



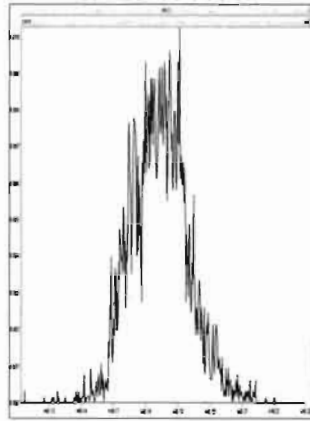
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Printed: Wednesday, September 30, 2020 12:04:30 Pacific Daylight Time

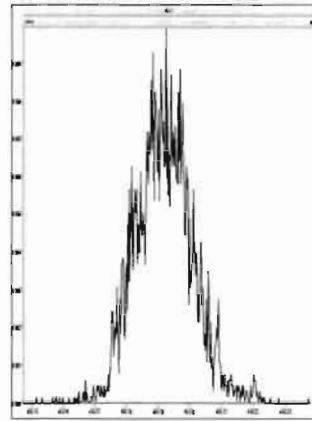
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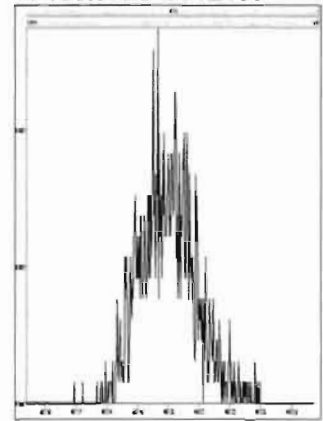
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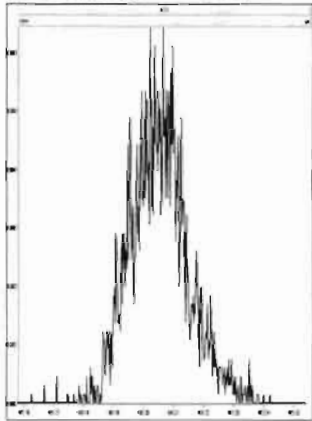
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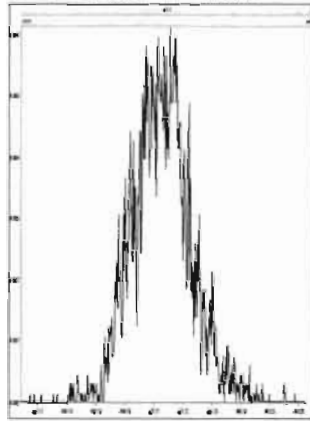
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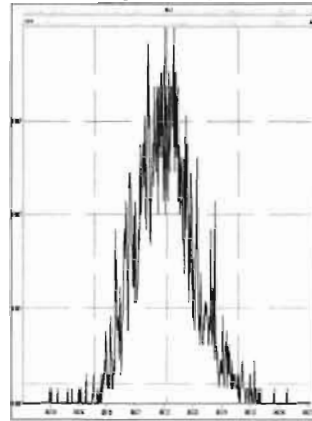
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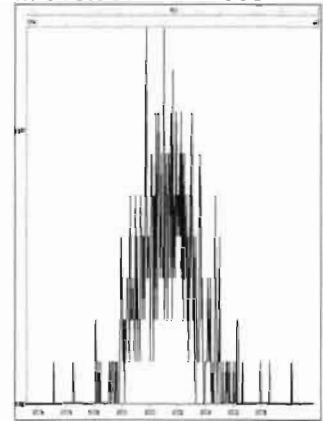
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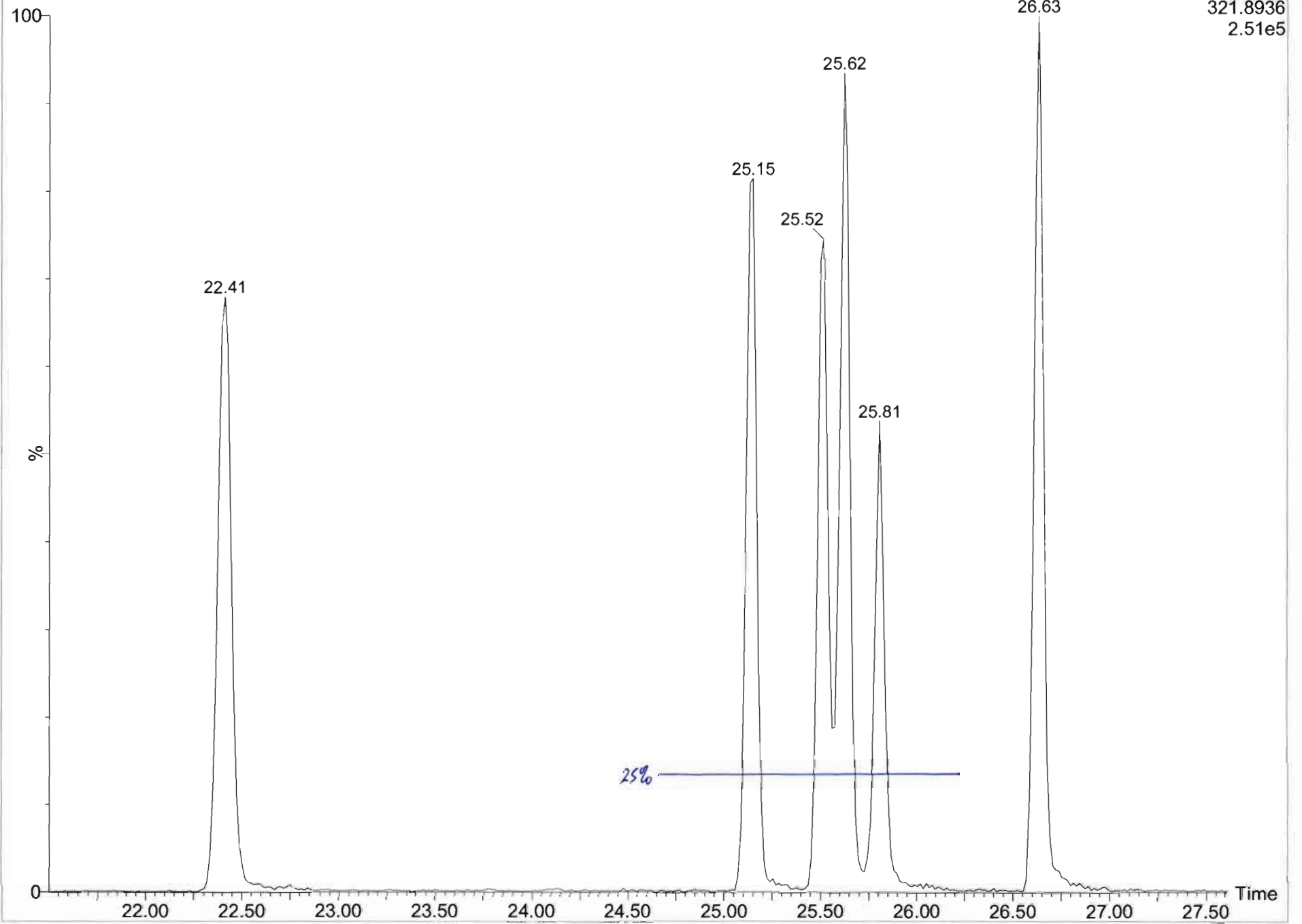


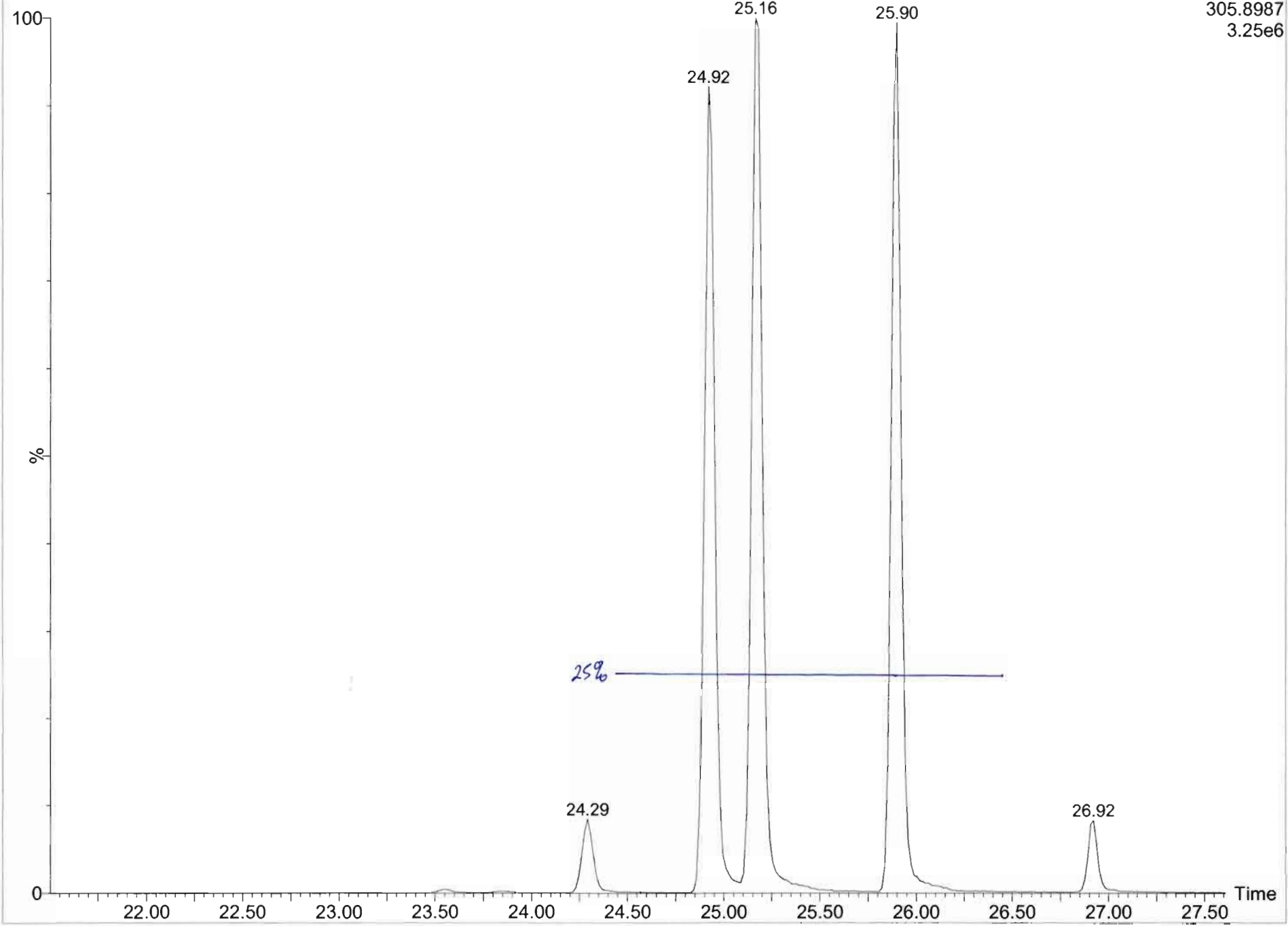
M 504.9696 R 10638



M 516.9697 R 11903







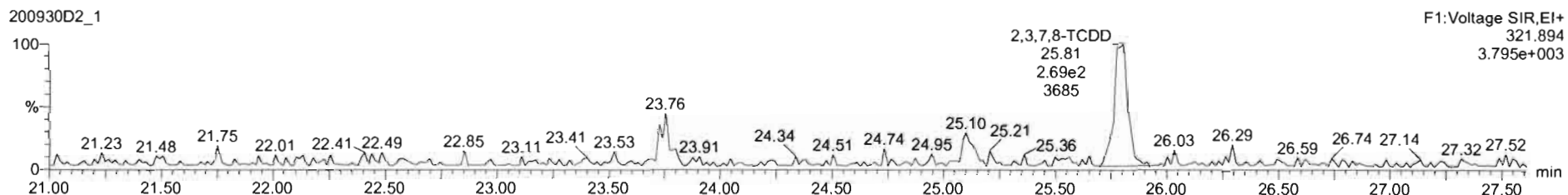
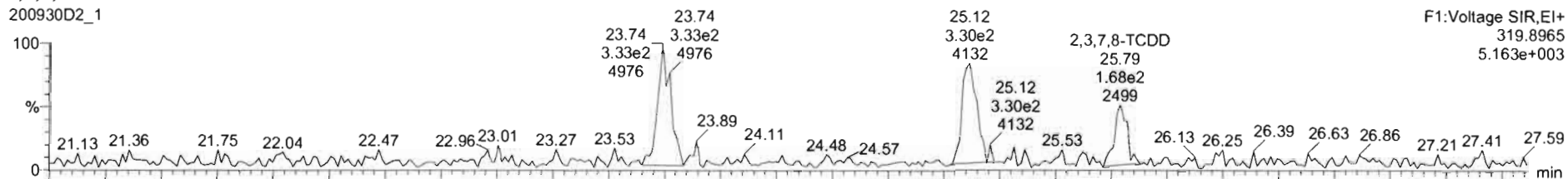
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

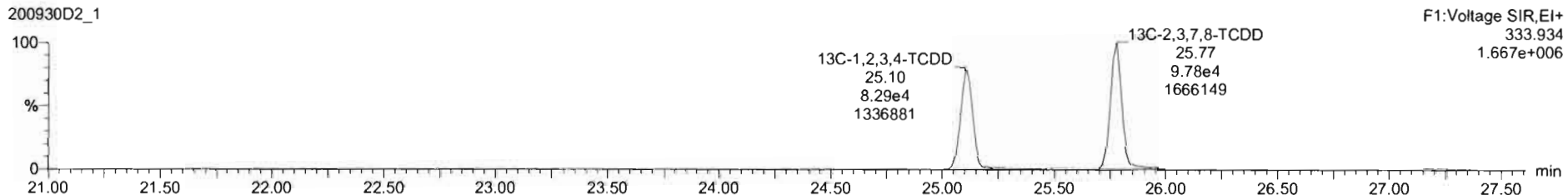
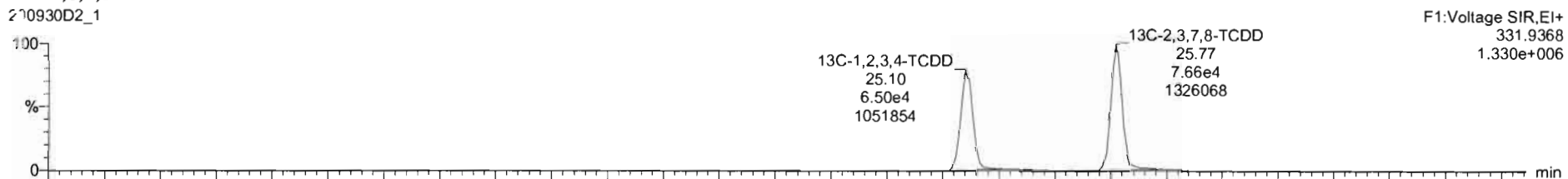
Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 11 Sep 2020 15:14:27  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-8-20-20.cdb 21 Aug 2020 10:10:46

Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

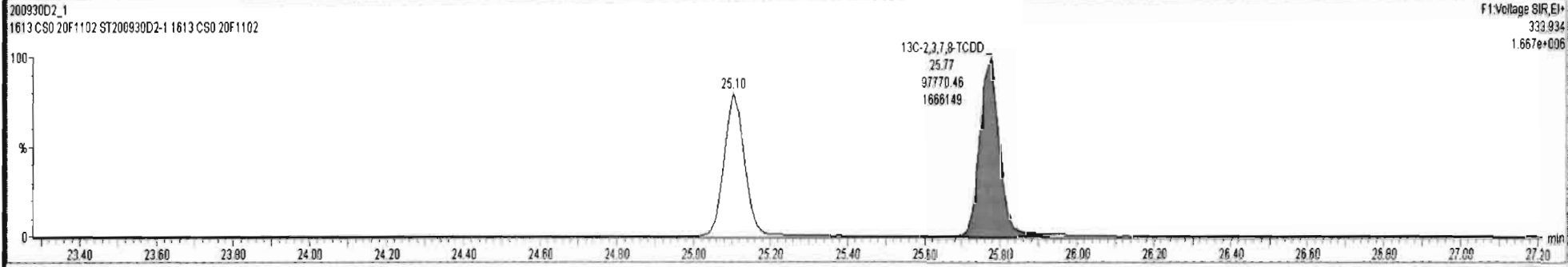
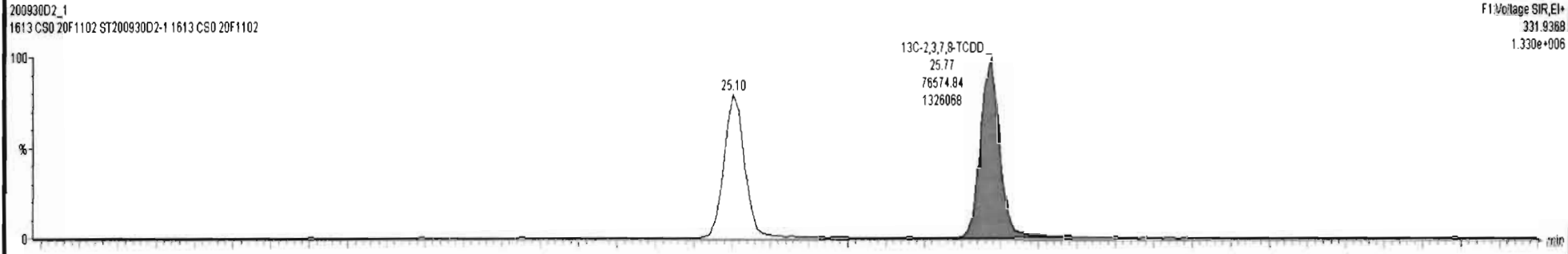
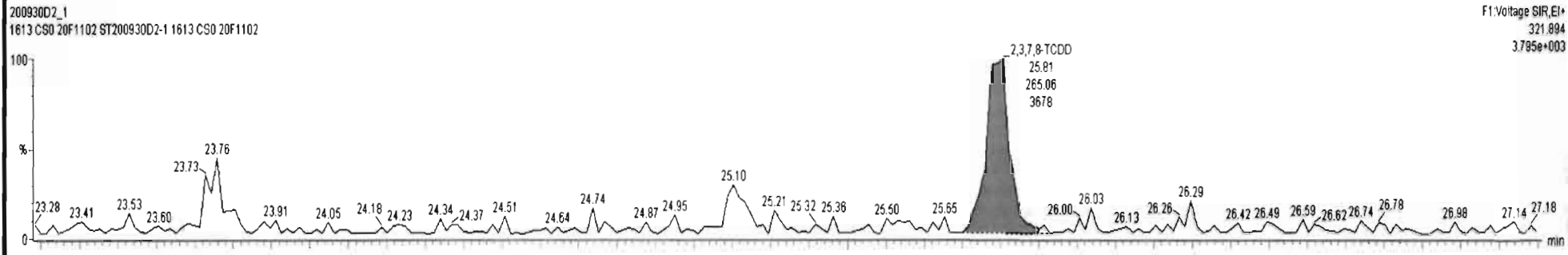
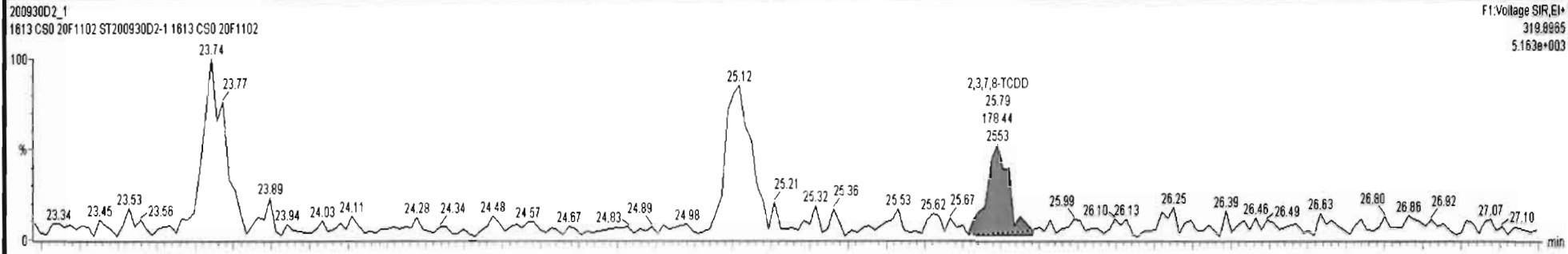
2,3,7,8-TCDD



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



200930D2\_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102



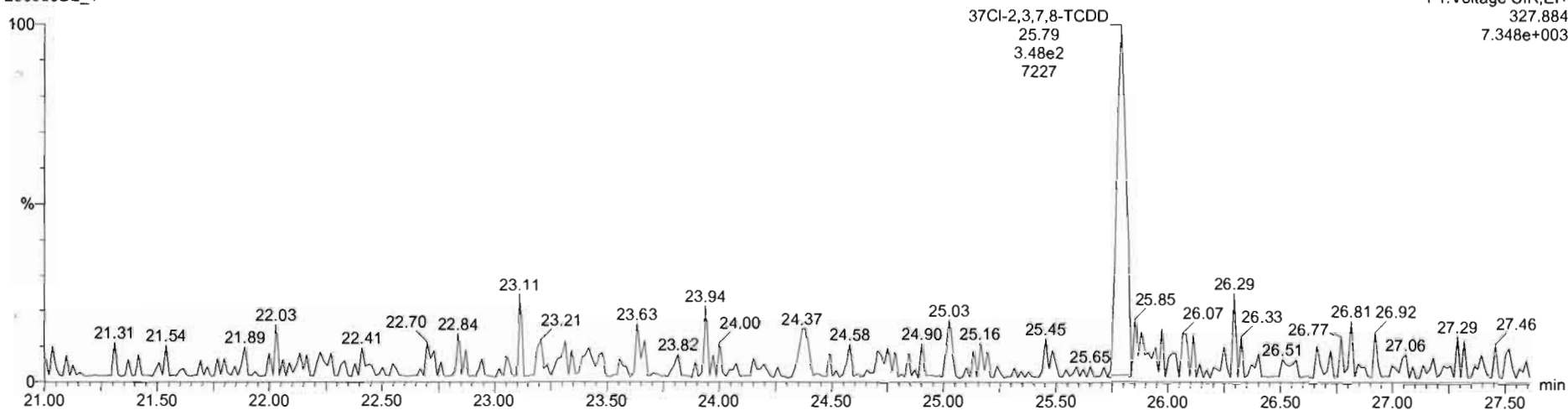


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

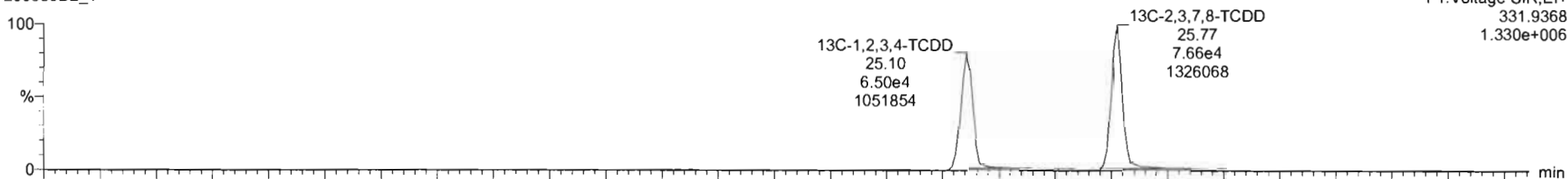
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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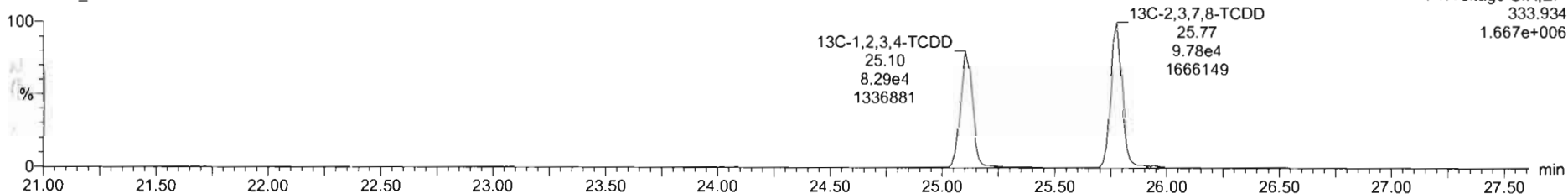
3 · Cl-2,3,7,8-TCDD  
200930D2\_1



13C-1,2,3,4-TCDD  
200930D2\_1



200930D2\_1



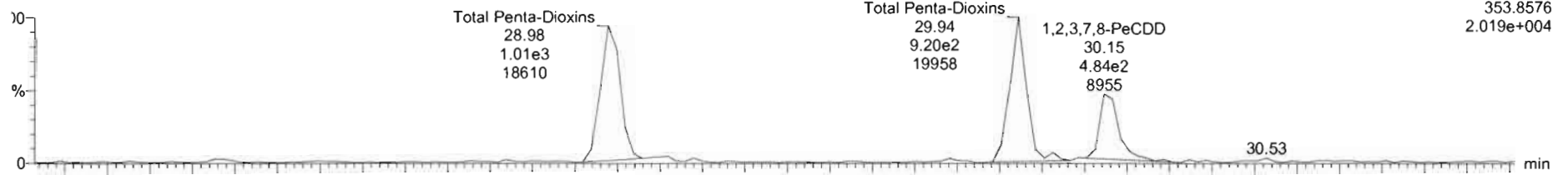
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

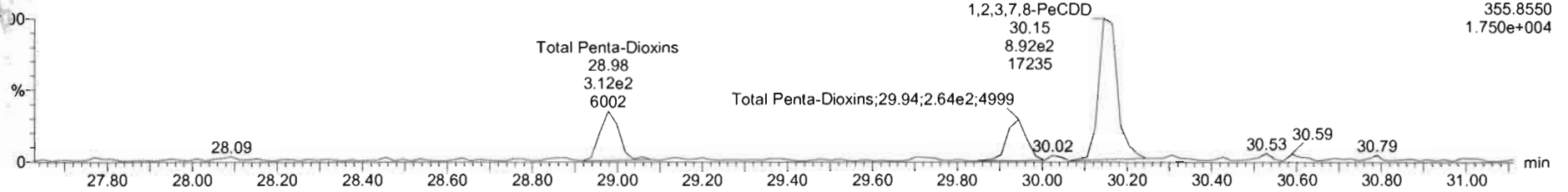
Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1,2,3,7,8-PeCDD

200930D2\_1

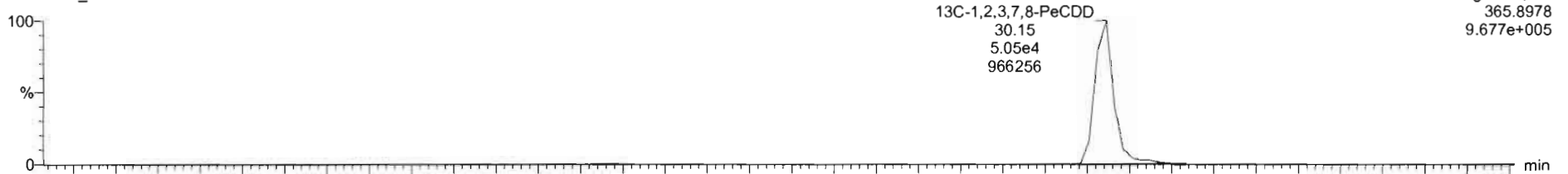


200930D2\_1

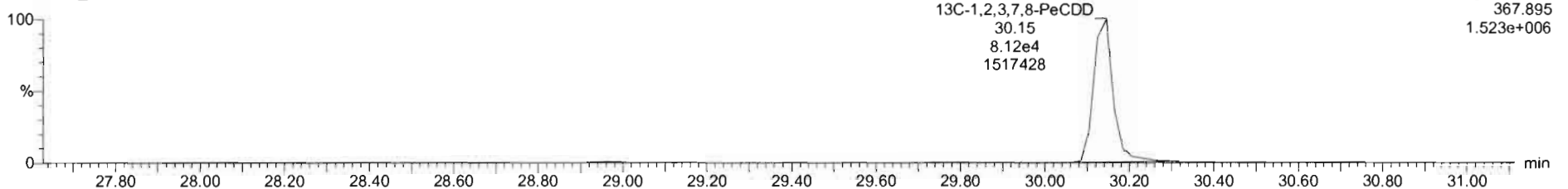


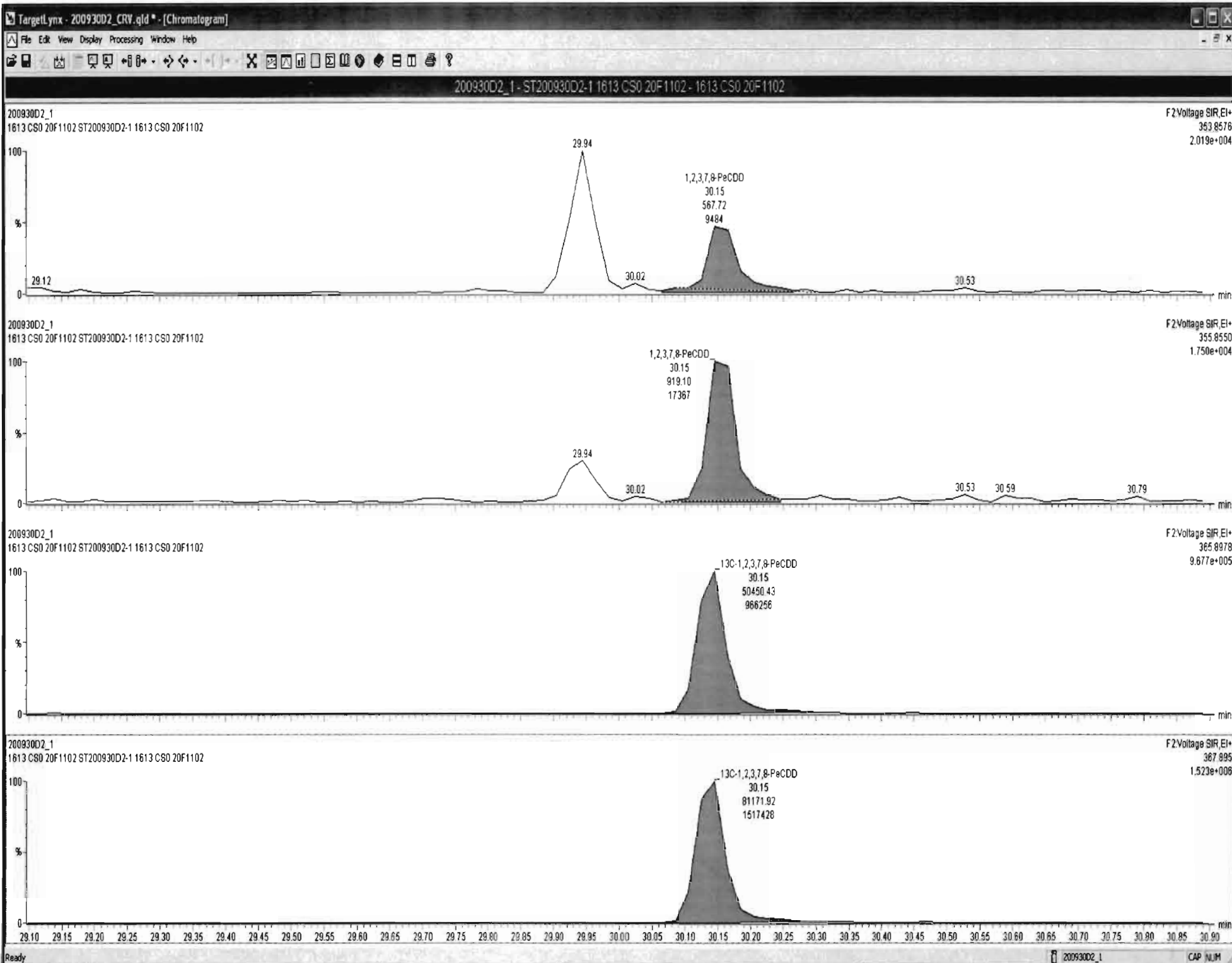
13C-1,2,3,7,8-PeCDD

200930D2\_1



200930D2\_1





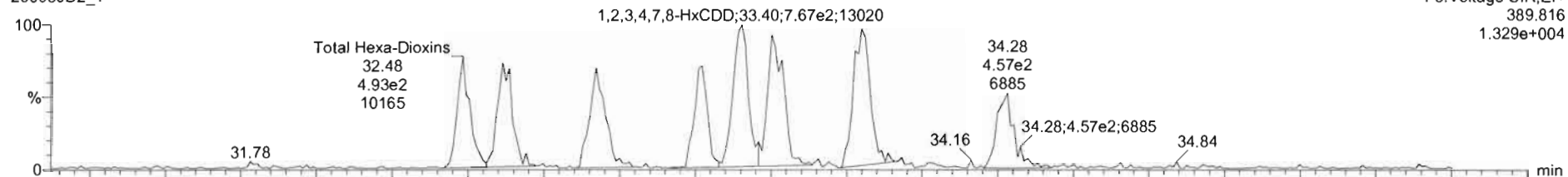
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

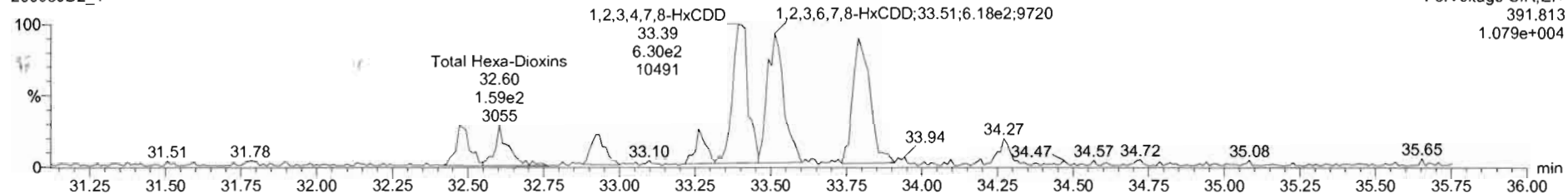
Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

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

200930D2\_1

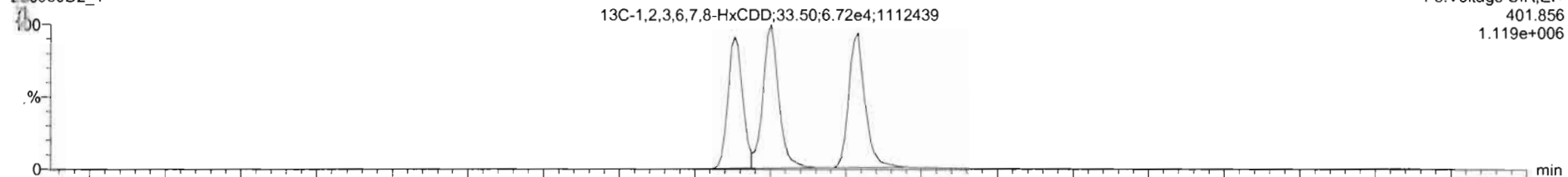


200930D2\_1

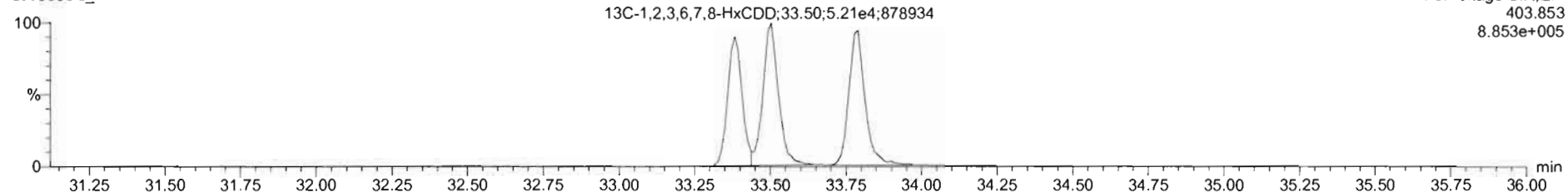


13C-1,2,3,4,7,8-HxCDD

200930D2\_1

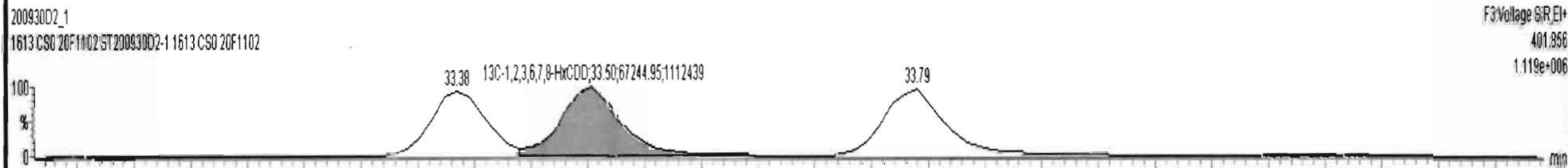
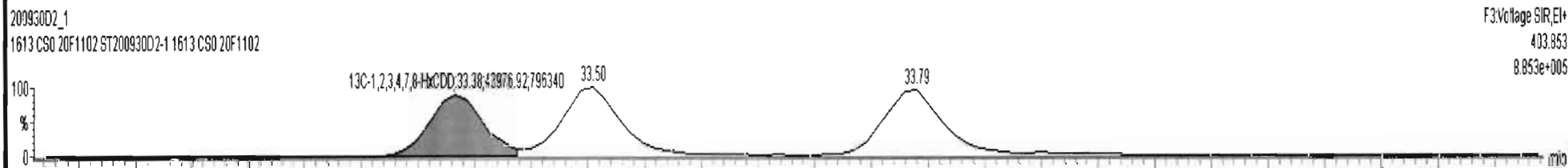
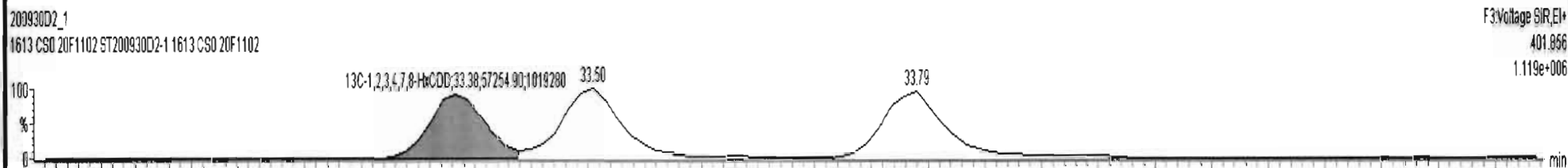
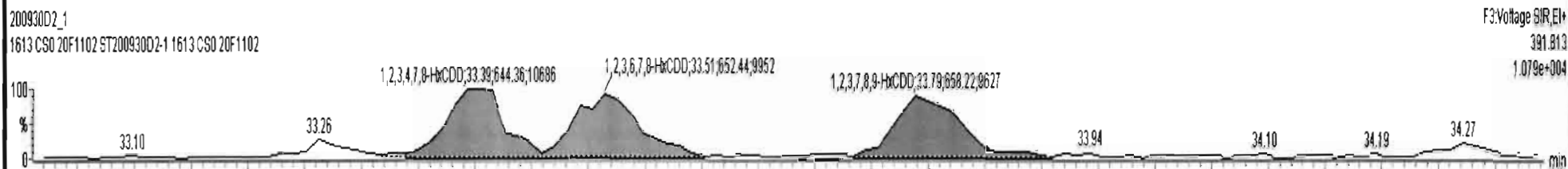
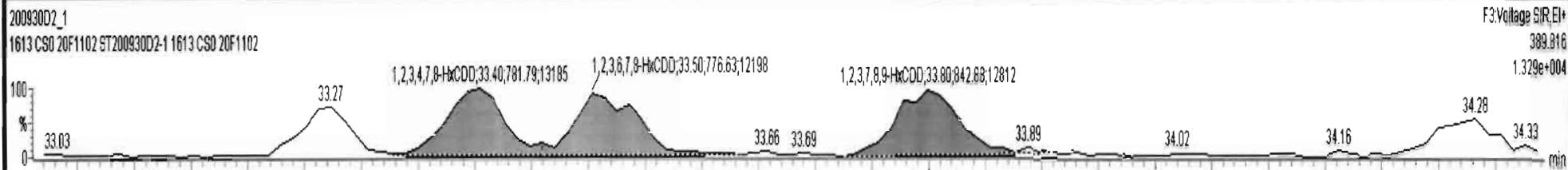


200930D2\_1





200930D2\_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

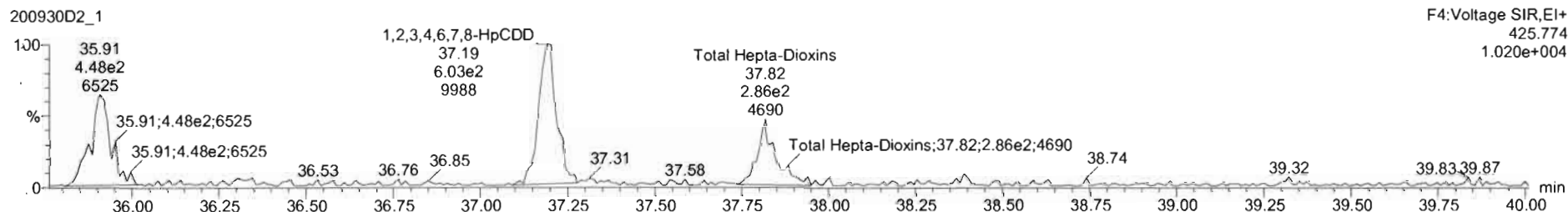
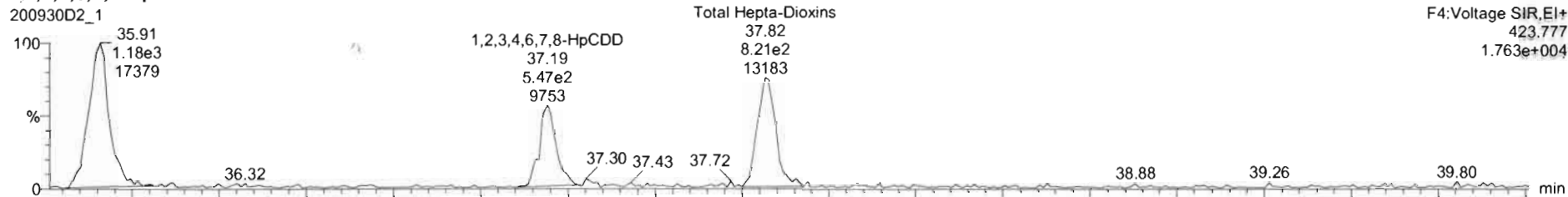


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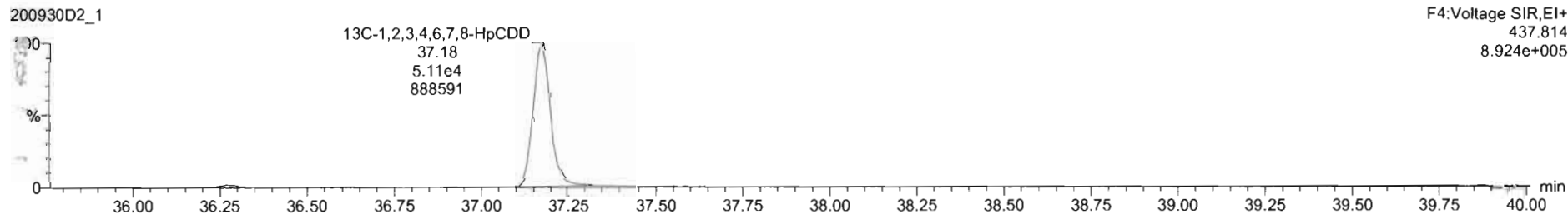
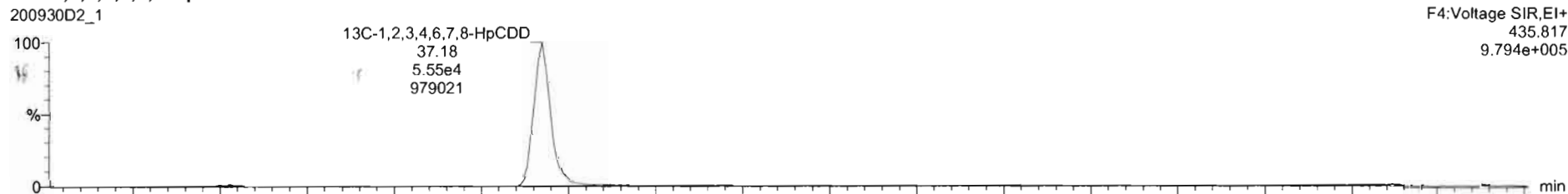
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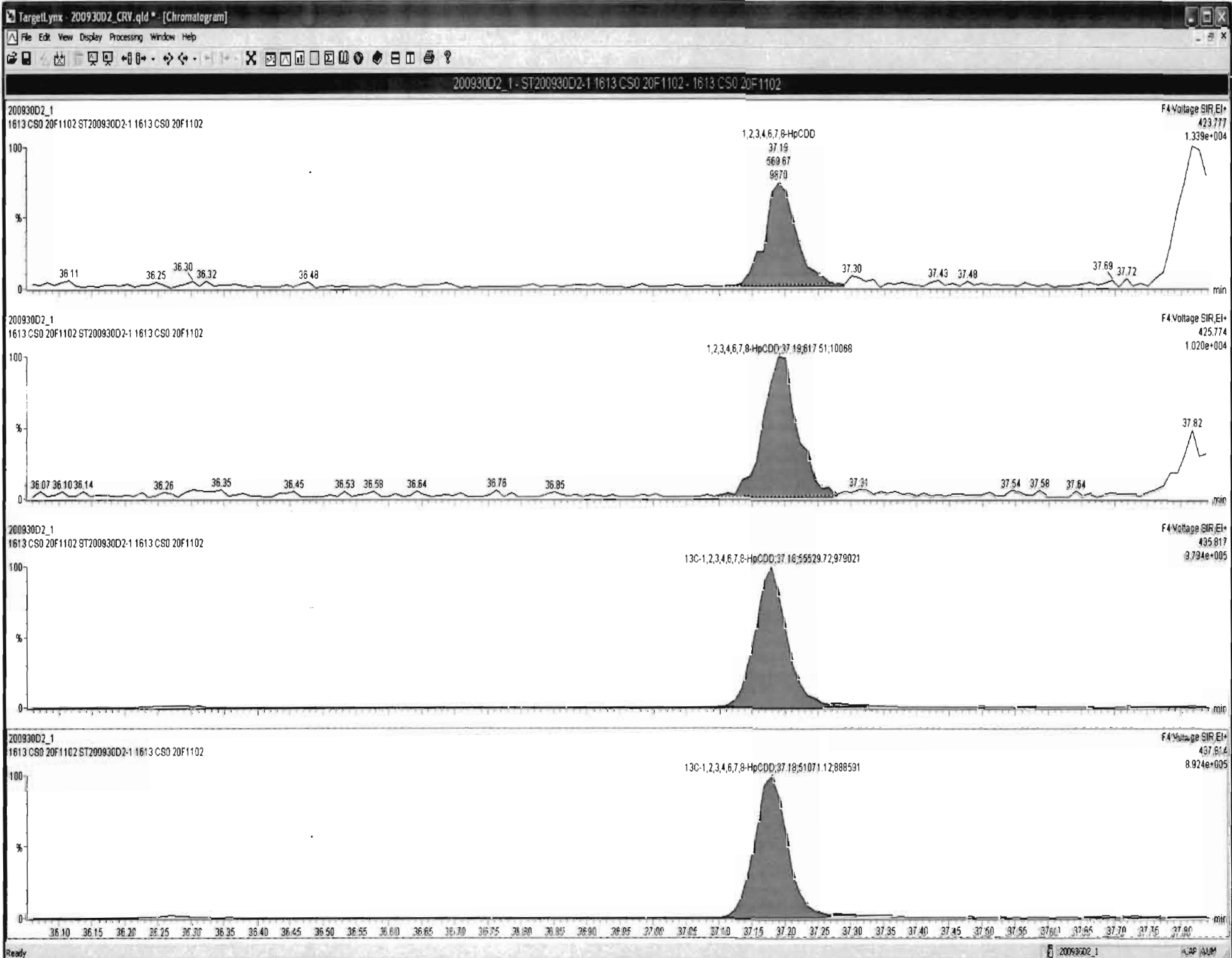
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1,2,3,4,6,7,8-HpCDD



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

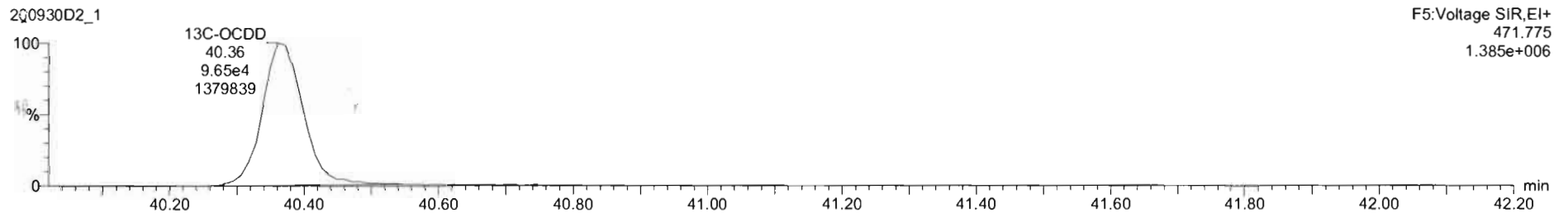
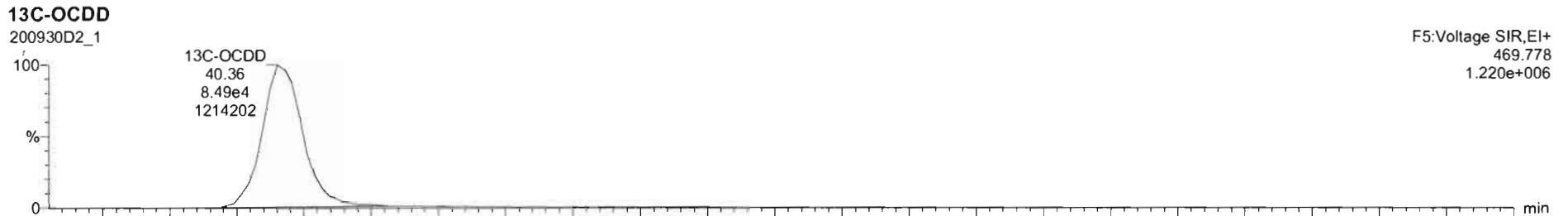
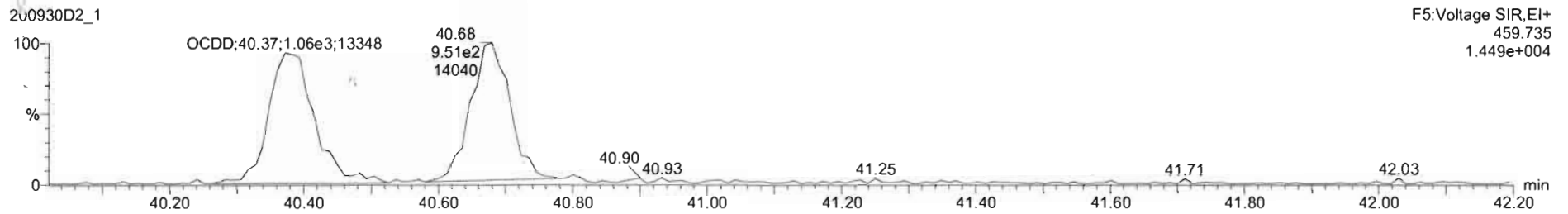
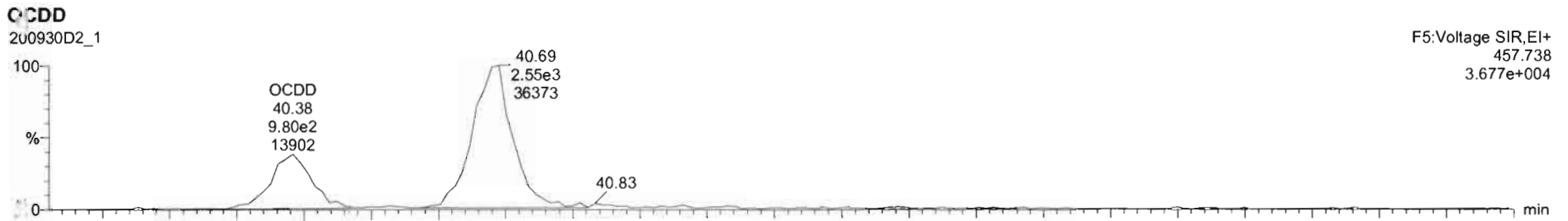




Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
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Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102





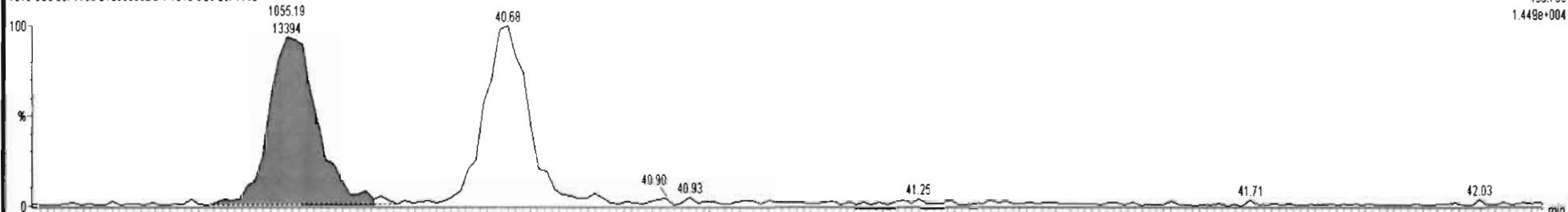
200930D2\_1  
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,El+  
457.738  
3.677e+004



200930D2\_1  
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,El+  
459.735  
1.449e+004



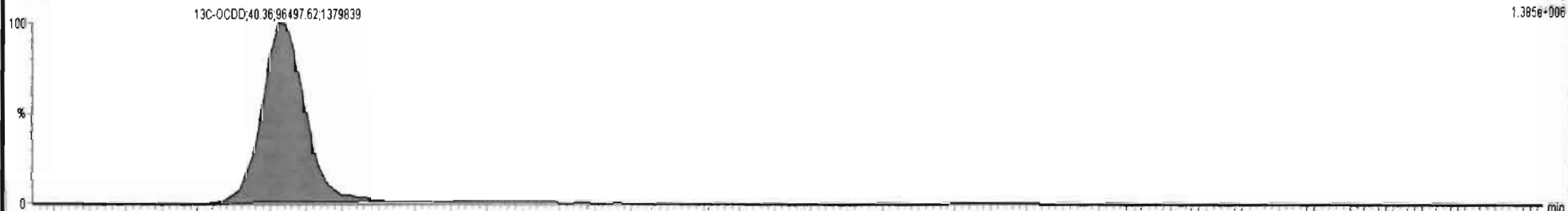
200930D2\_1  
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,El+  
469.778  
1.220e+006



200930D2\_1  
1613 CS0 20F1102 ST200930D2-1 1613 CS0 20F1102

F5:Voltage SIR,El+  
471.775  
1.395e+006



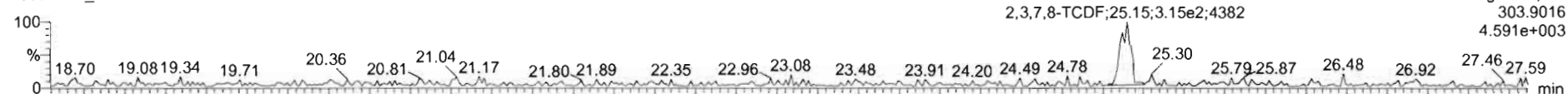
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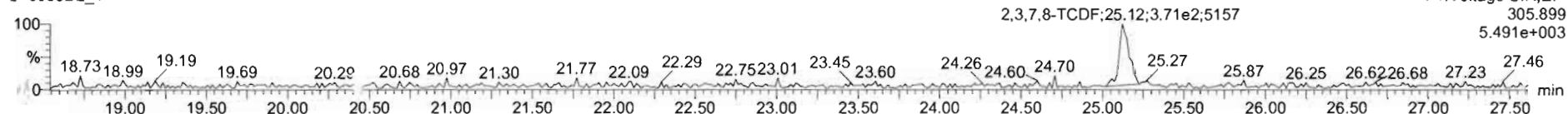
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2,3,7,8-TCDF

200930D2\_1

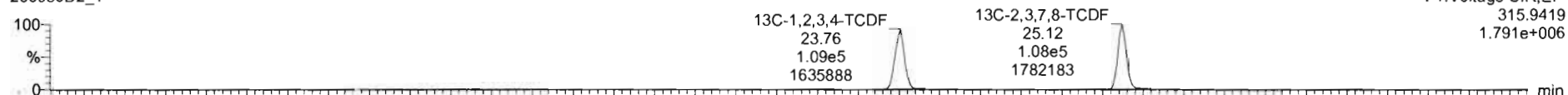


200930D2\_1

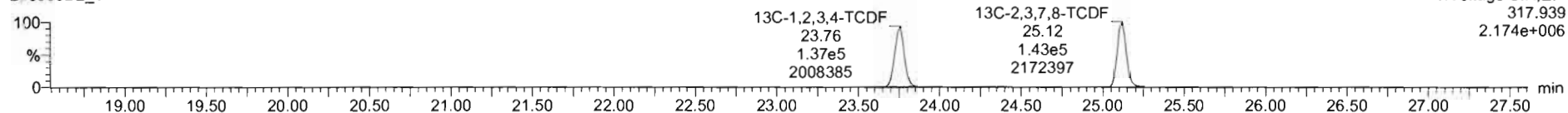


13C-2,3,7,8-TCDF

200930D2\_1

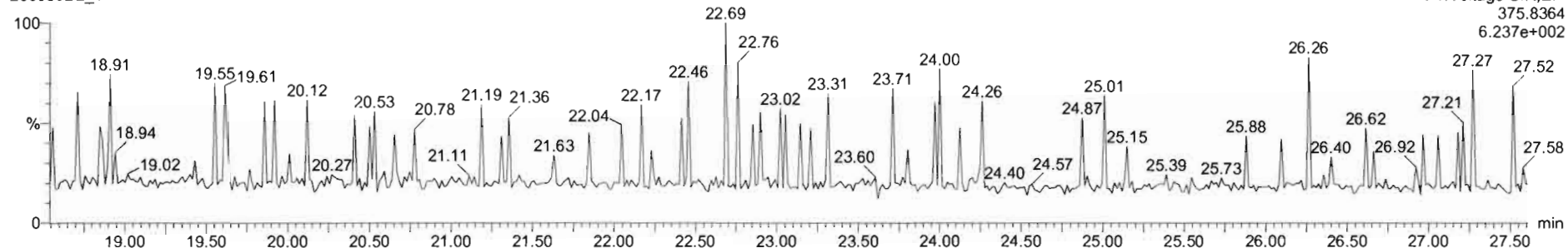


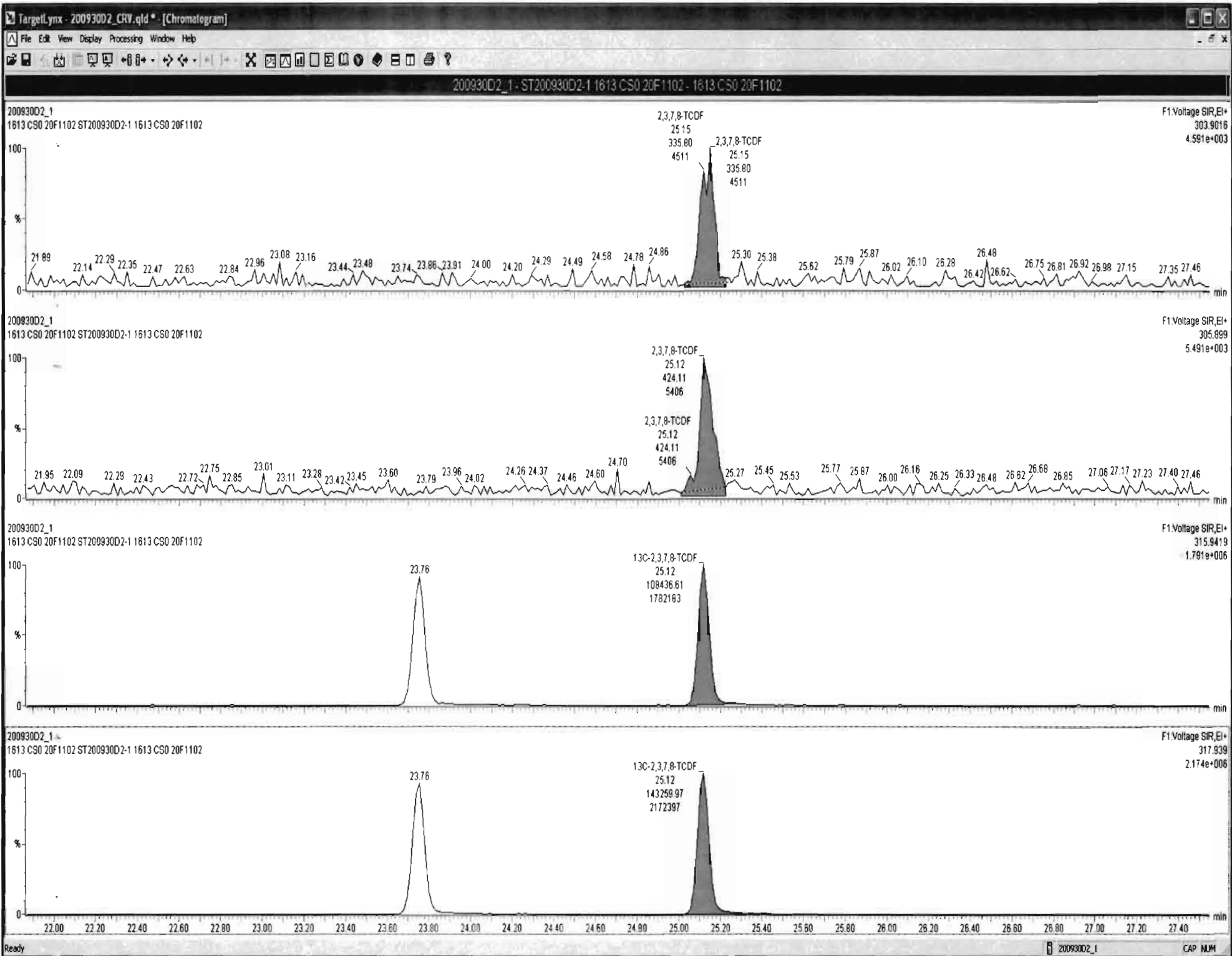
200930D2\_1



DPE1

200930D2\_1





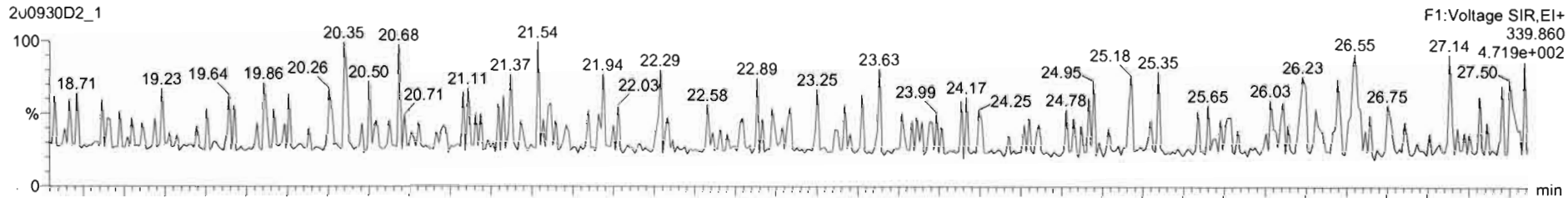
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

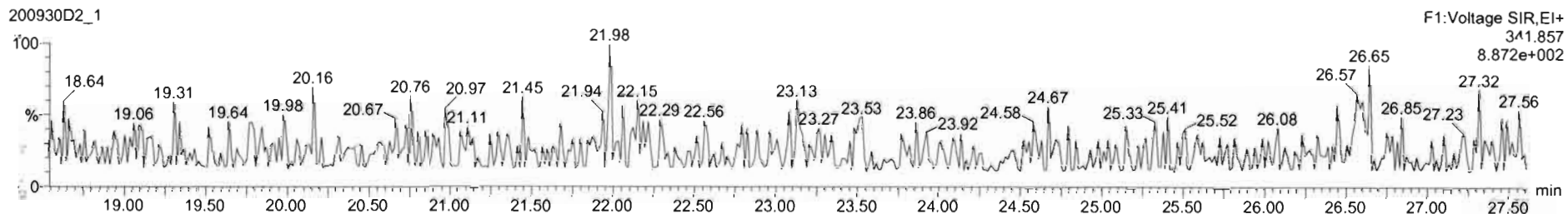
Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

1st Func. Penta-Furans

200930D2\_1

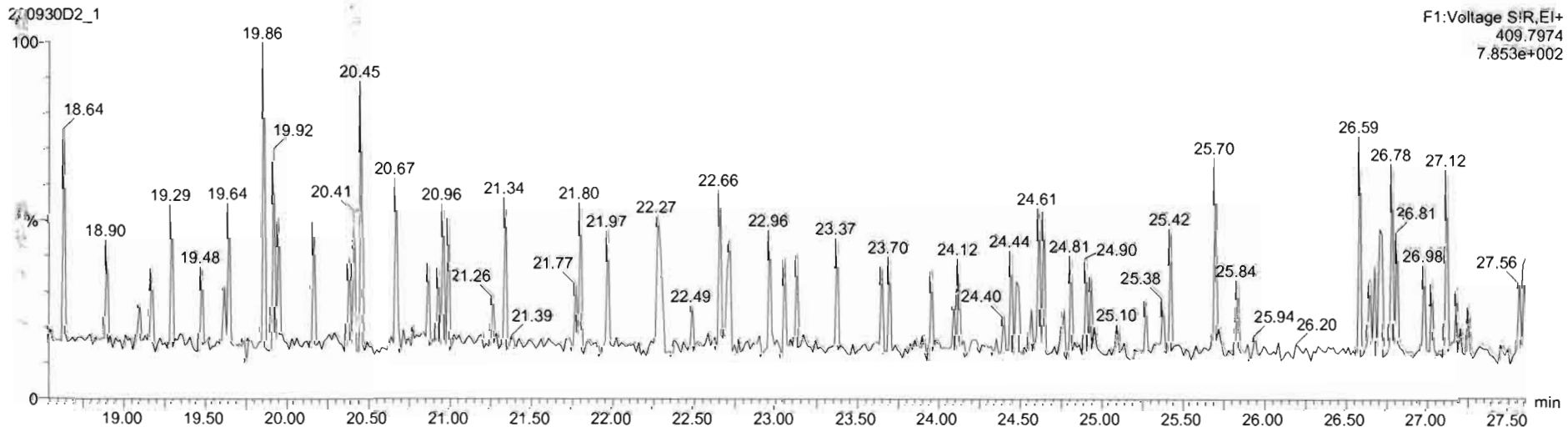


200930D2\_1



DPE6

200930D2\_1

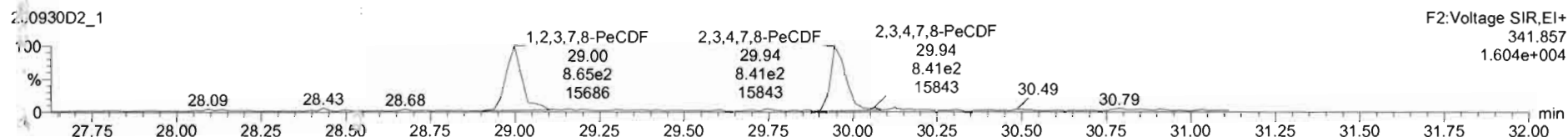
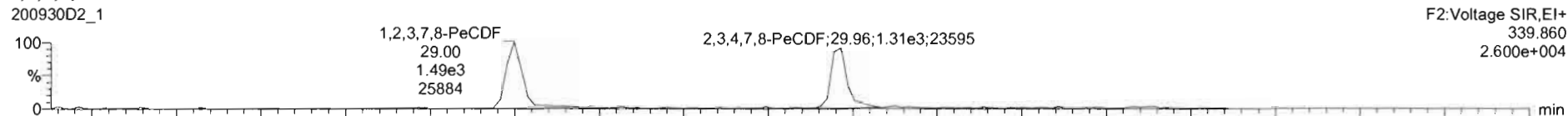


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

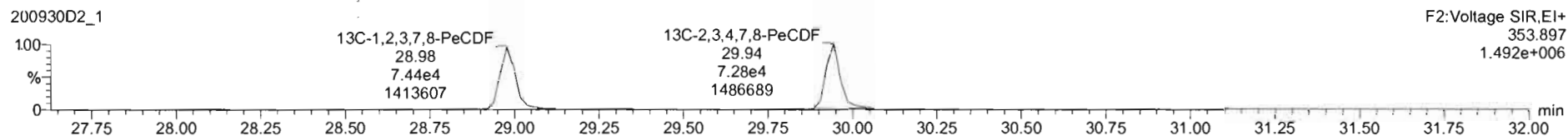
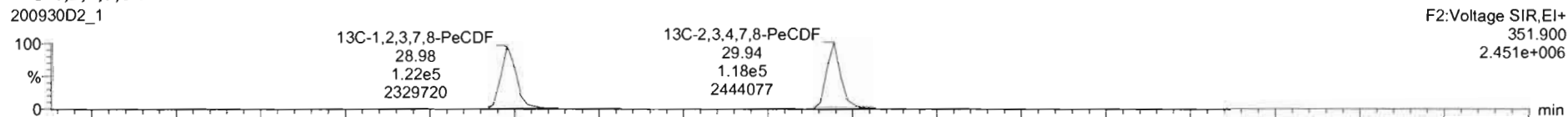
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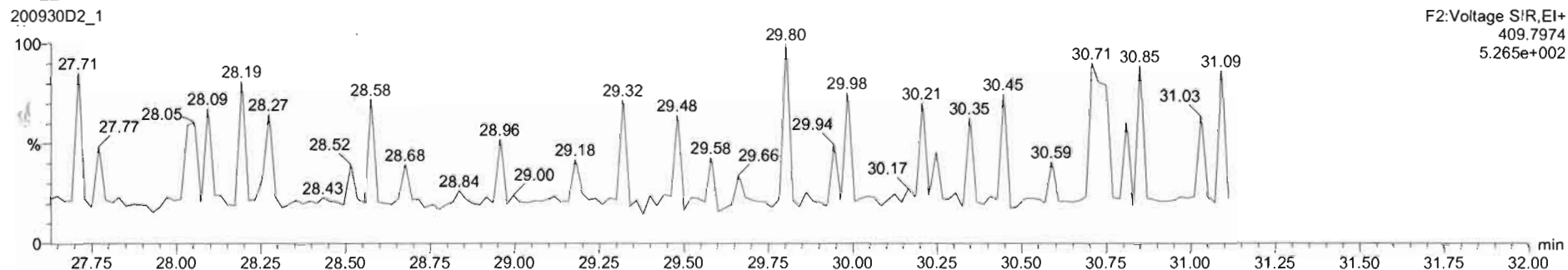
1,2,3,7,8-PeCDF



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

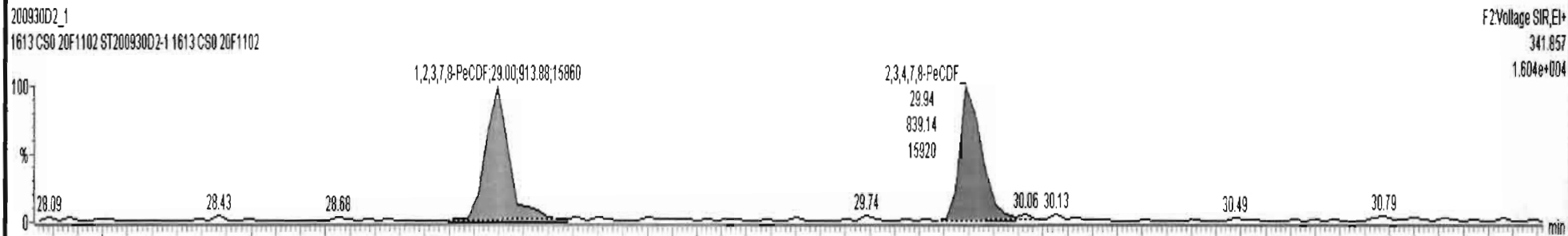


DPE2





200930D2\_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

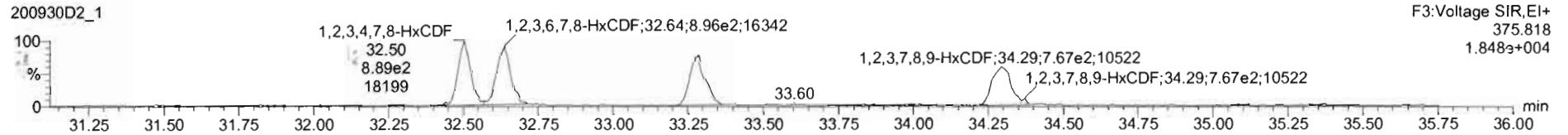
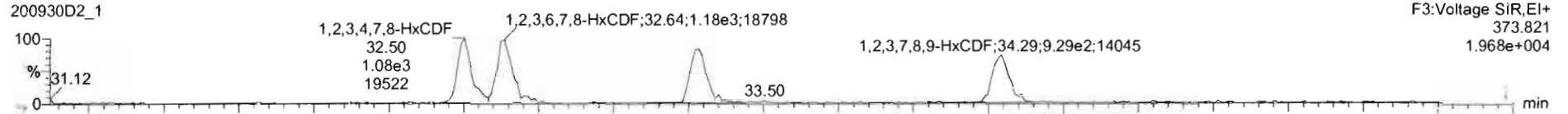


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

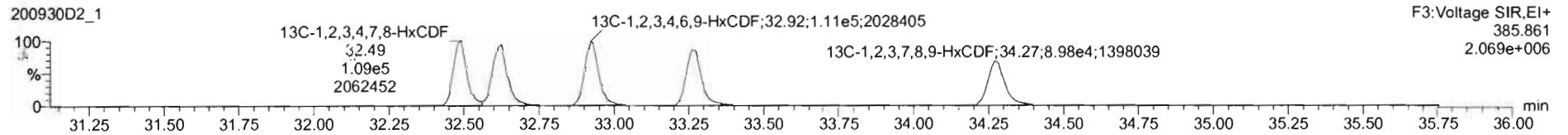
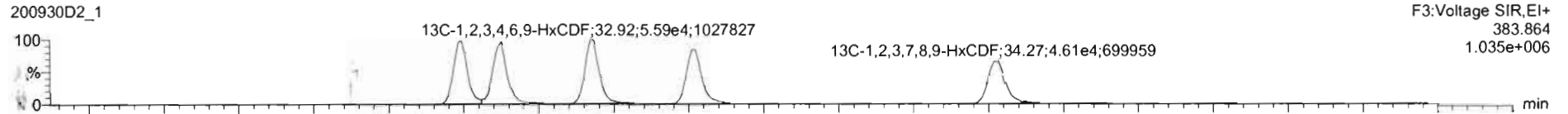
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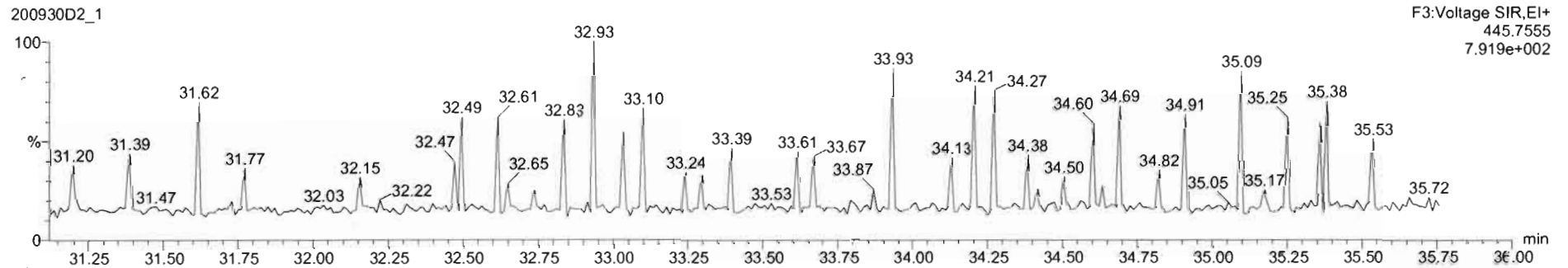
1,2,3,4,7,8-HxCDF



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

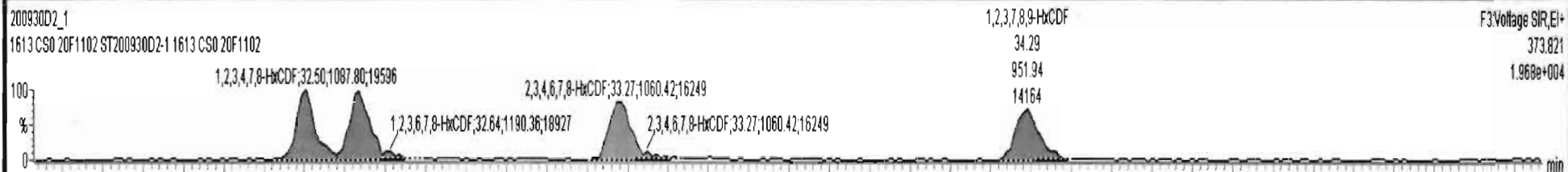


DPE3





200930D2\_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102



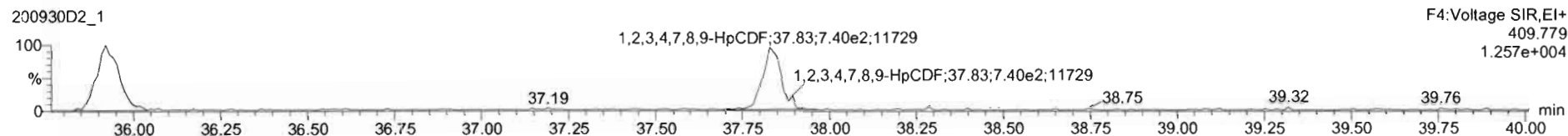
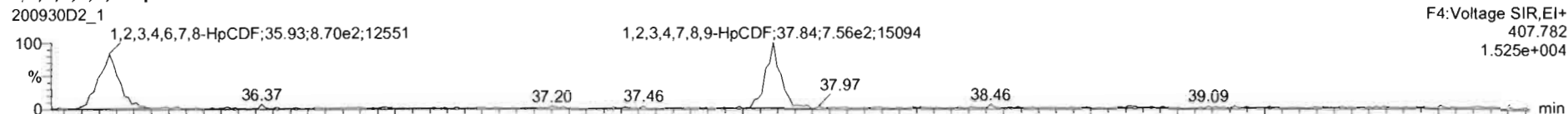


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

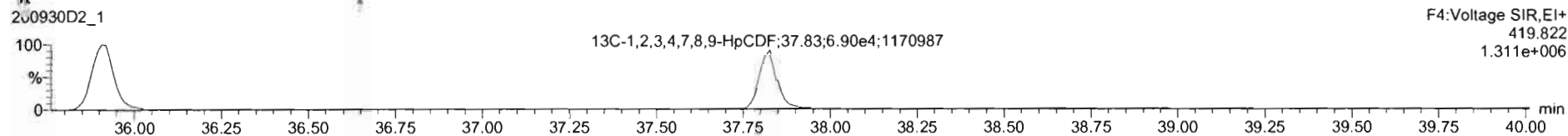
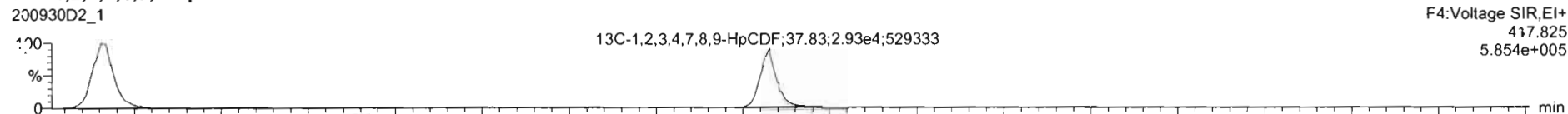
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

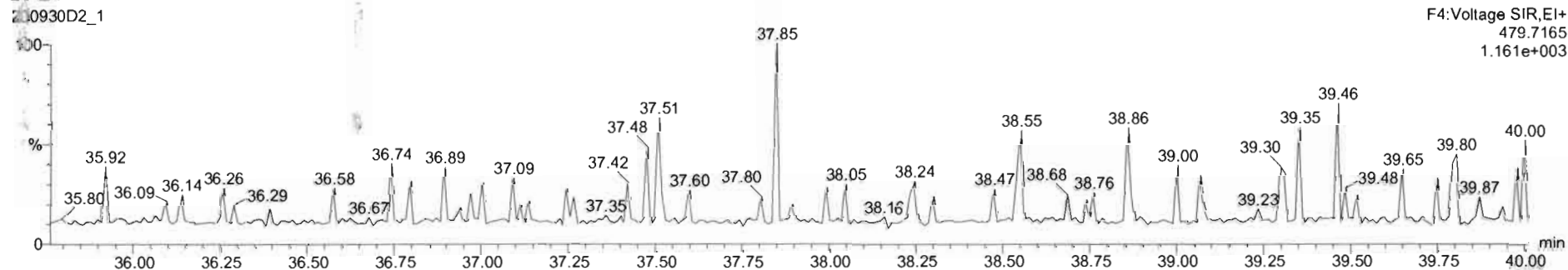
1,2,3,4,6,7,8-HpCDF



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

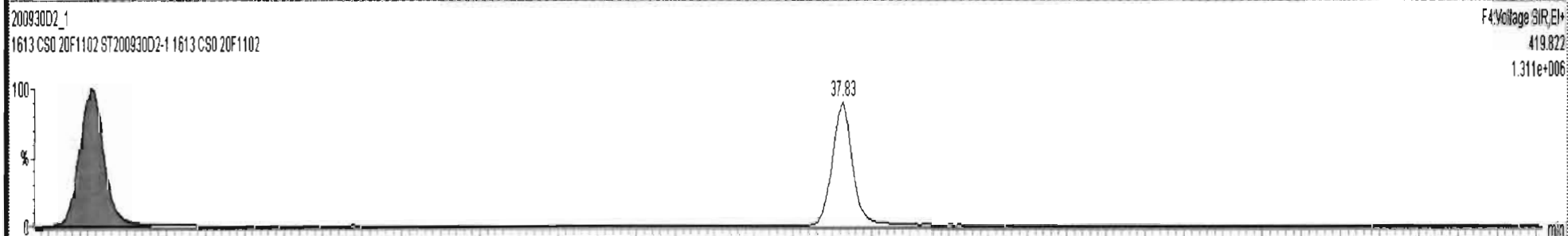
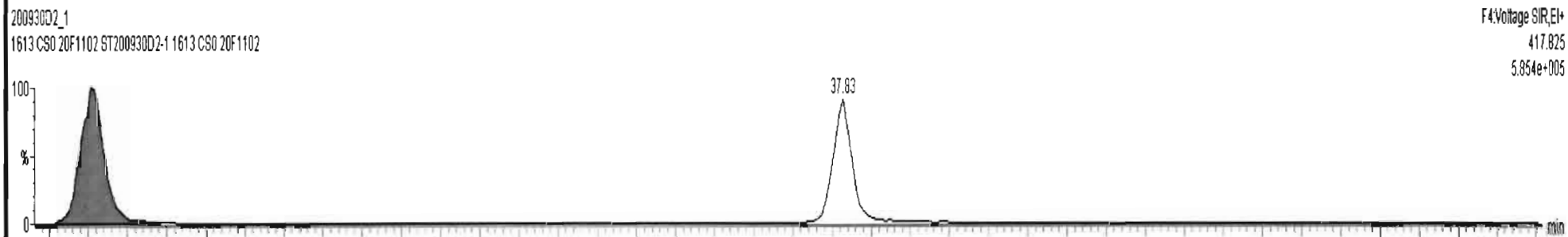
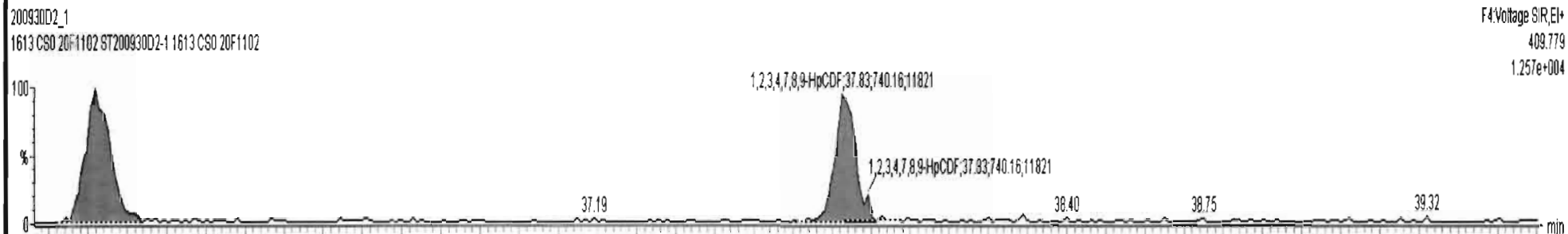
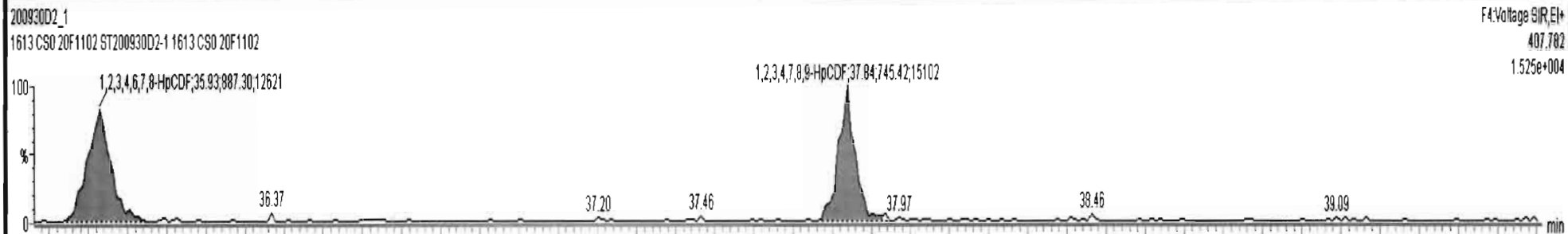


DPE4





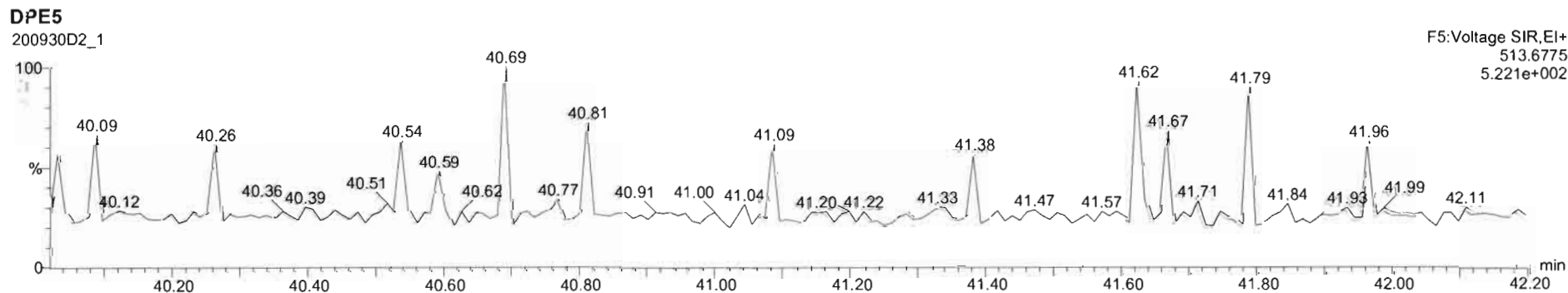
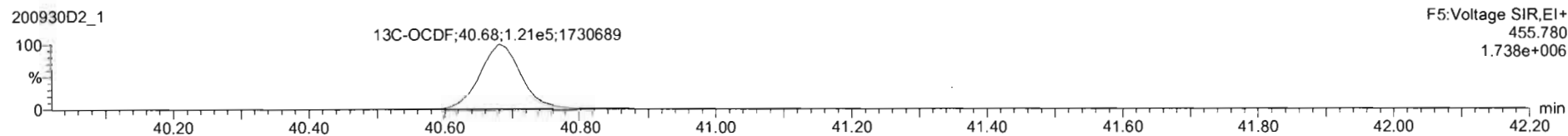
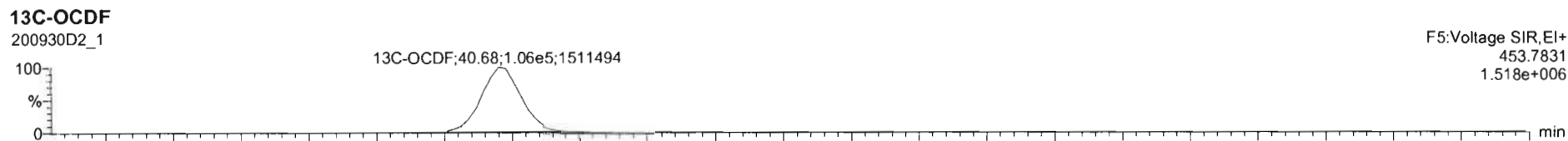
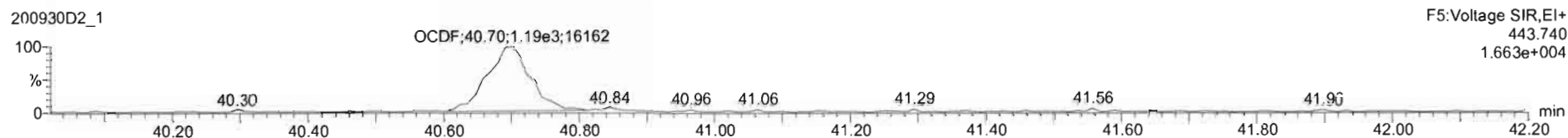
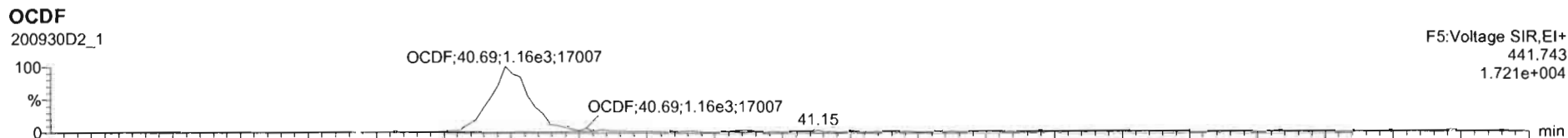
200930D2\_1 - ST200930D2-1 1613 CS0 20F1102 - 1613 CS0 20F1102

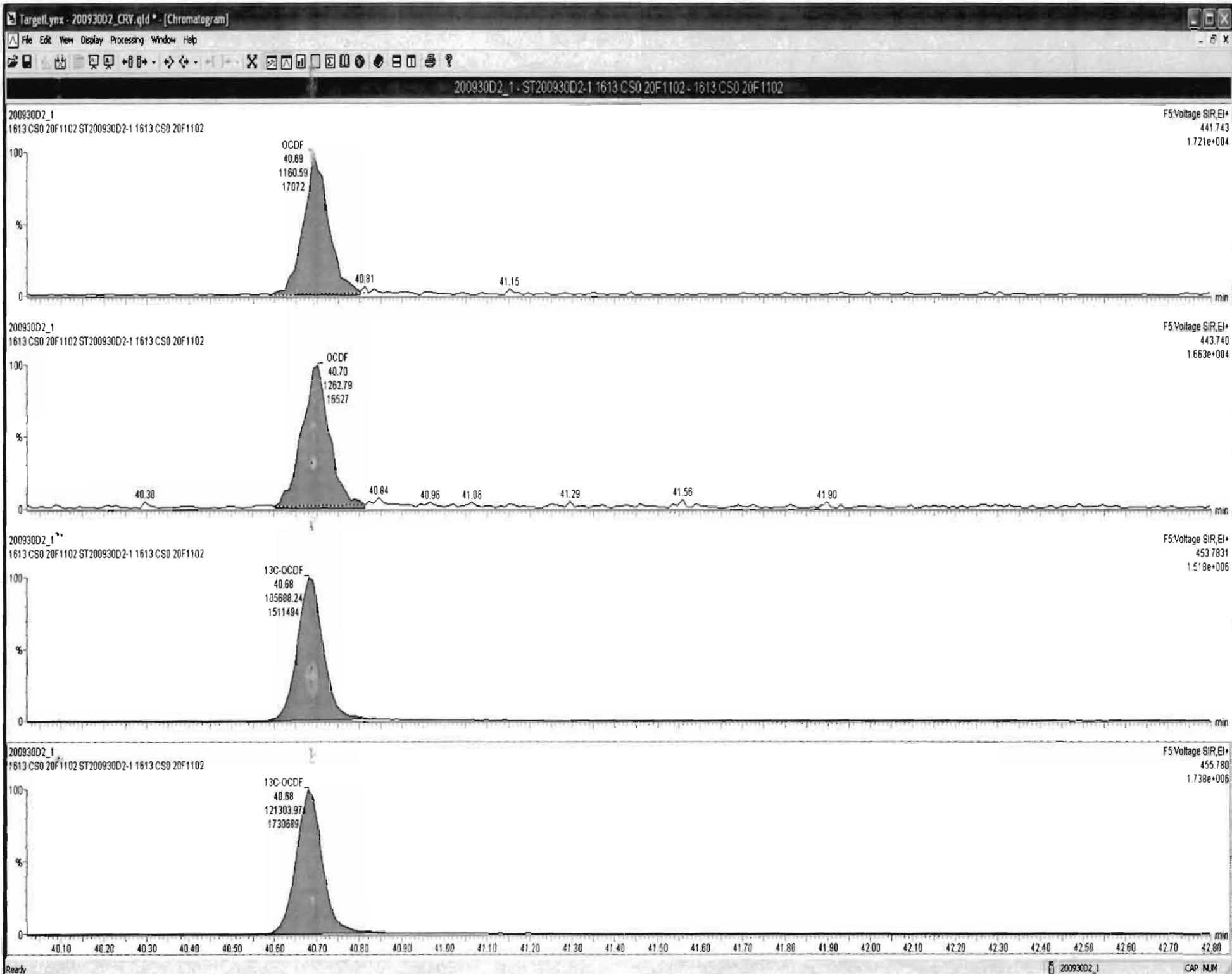


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102

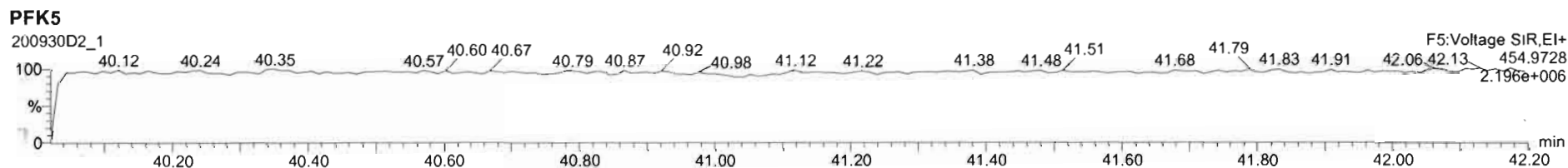
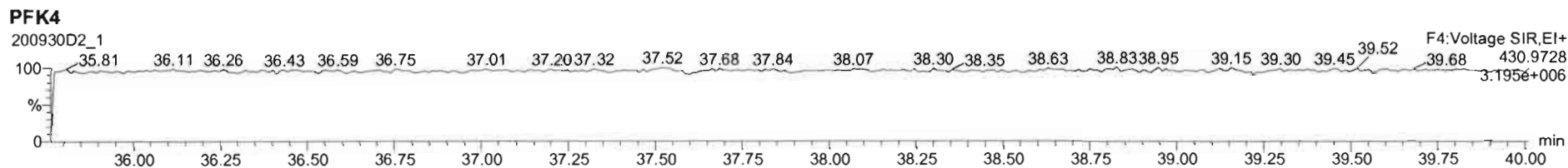
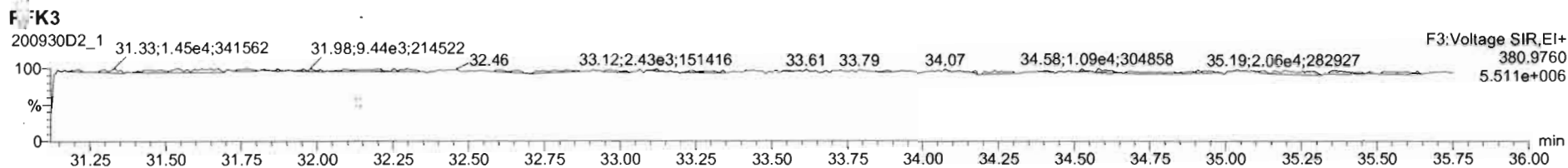
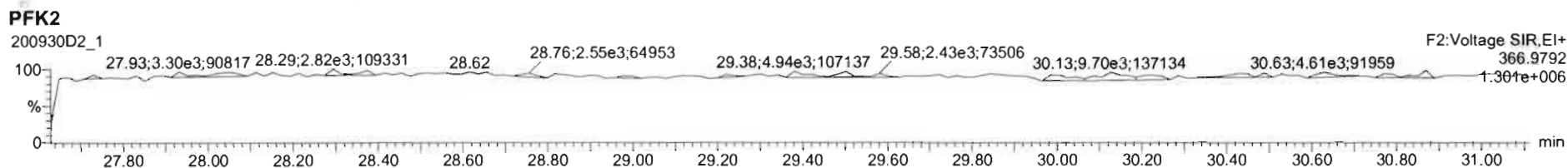
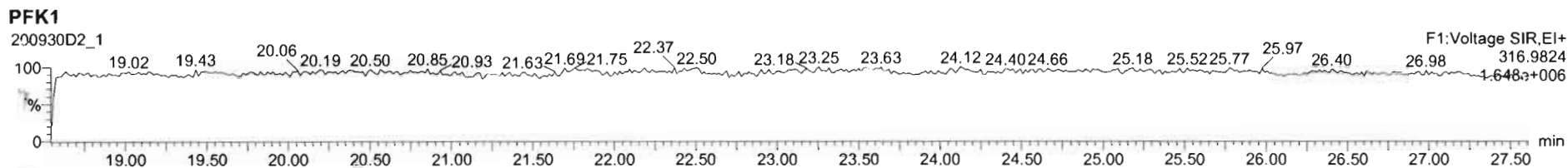




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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_1, Date: 30-Sep-2020, Time: 12:06:04, ID: ST200930D2-1 1613 CS0 20F1102, Description: 1613 CS0 20F1102



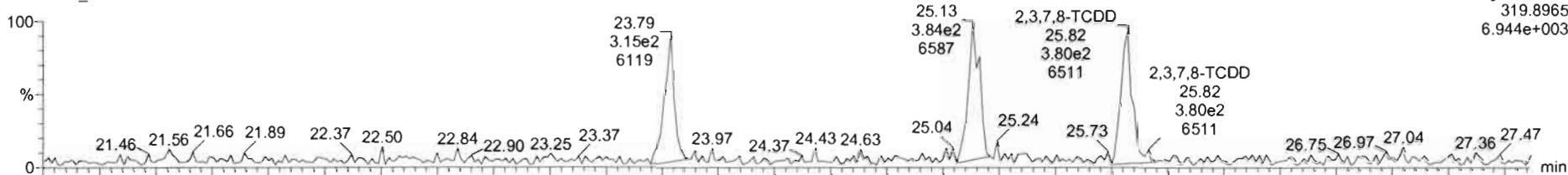
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

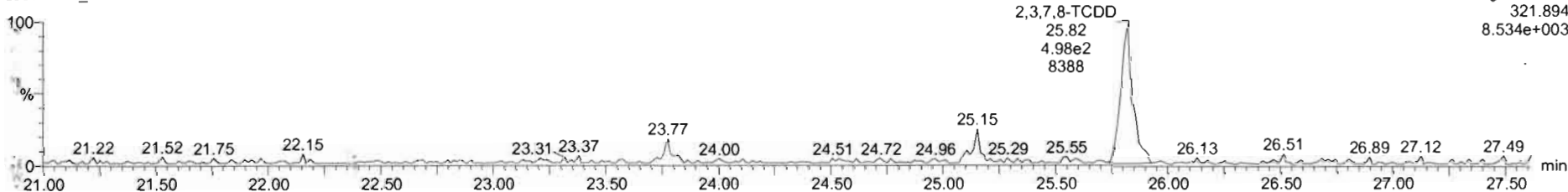
2,3,7,8-TCDD

200930D2\_2



F1:Voltage SIR,EI+  
319.8965  
6.944e+003

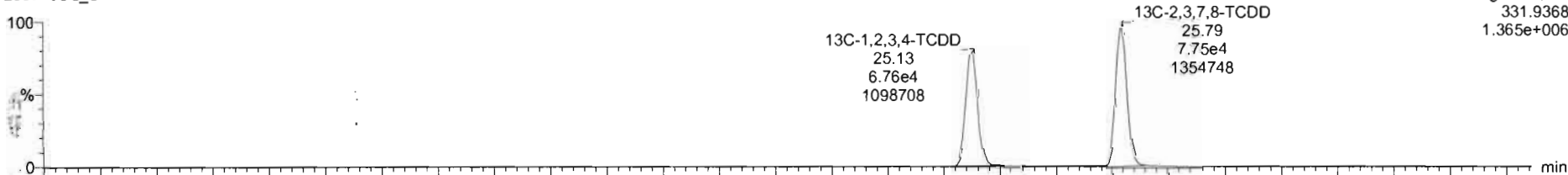
200930D2\_2



F1:Voltage SIR,EI+  
321.894  
8.534e+003

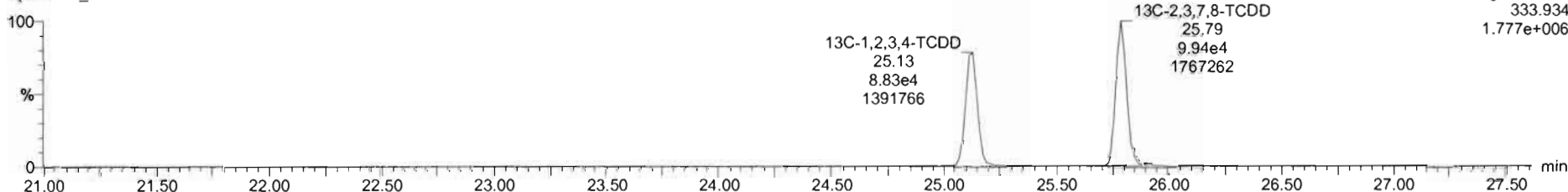
13C-2,3,7,8-TCDD

200930D2\_2

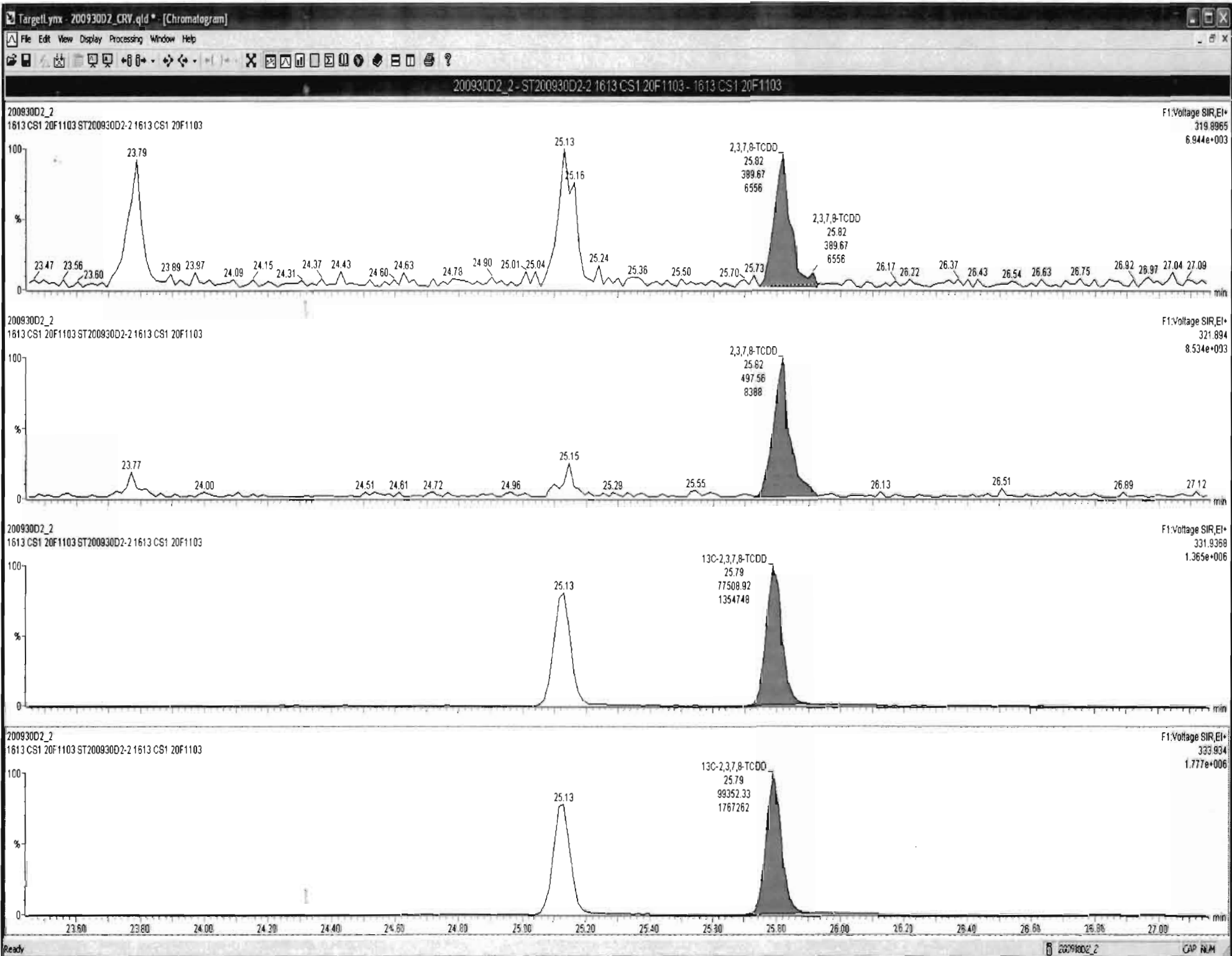


F1:Voltage SIR,EI+  
331.9368  
1.365e+006

200930D2\_2



F1:Voltage SIR,EI+  
333.934  
1.777e+006



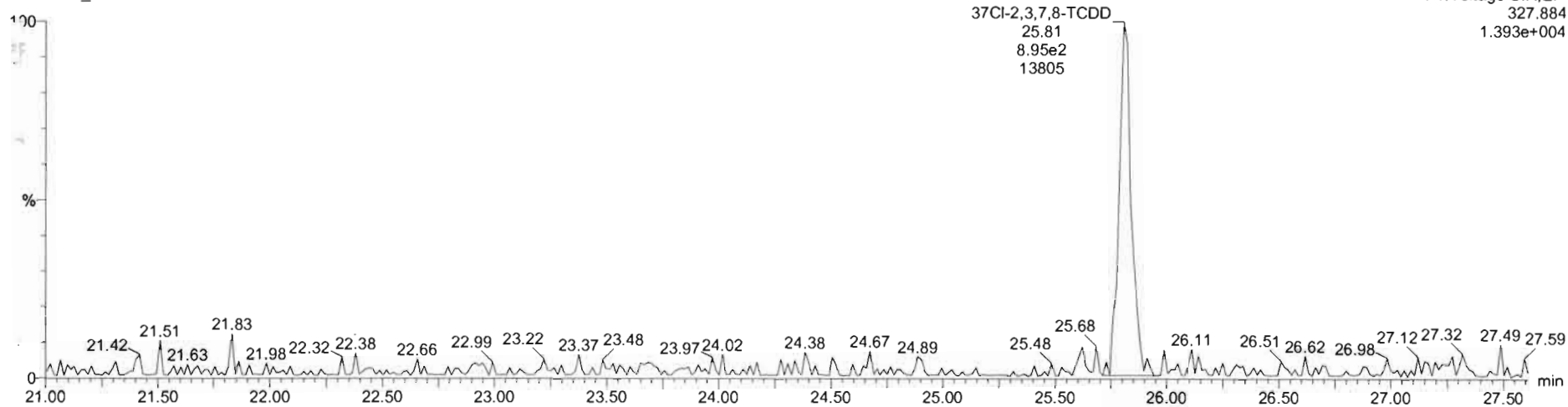
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

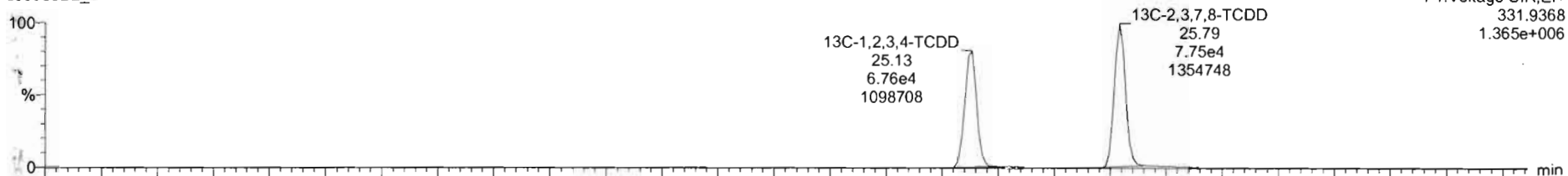
37Cl-2,3,7,8-TCDD

200930D2\_2

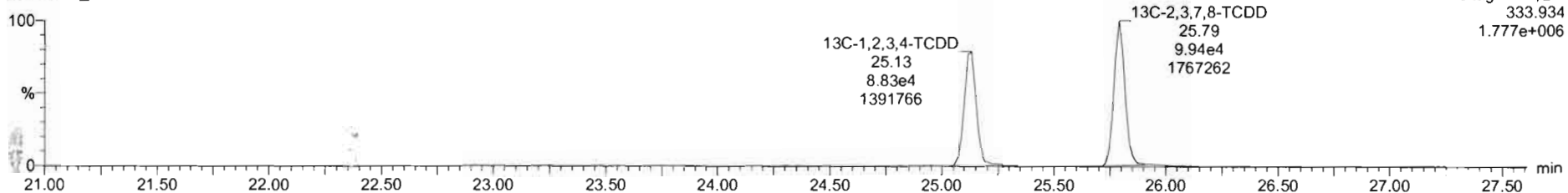


13C-1,2,3,4-TCDD

200930D2\_2



200930D2\_2





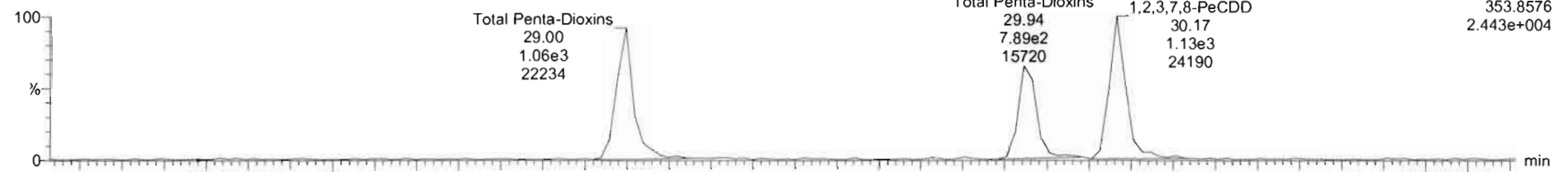
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

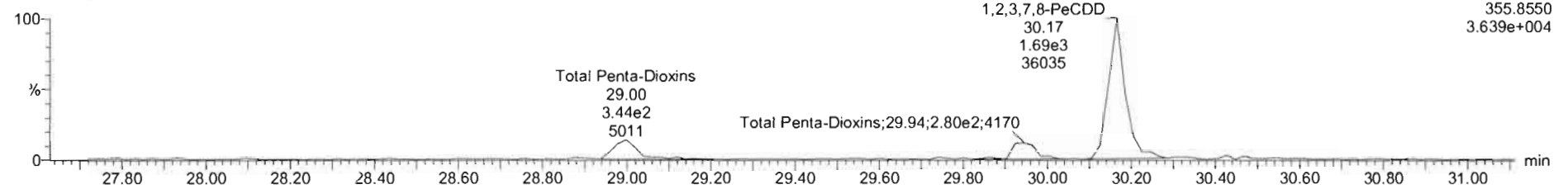
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1,2,3,7,8-PeCDD

200930D2\_2

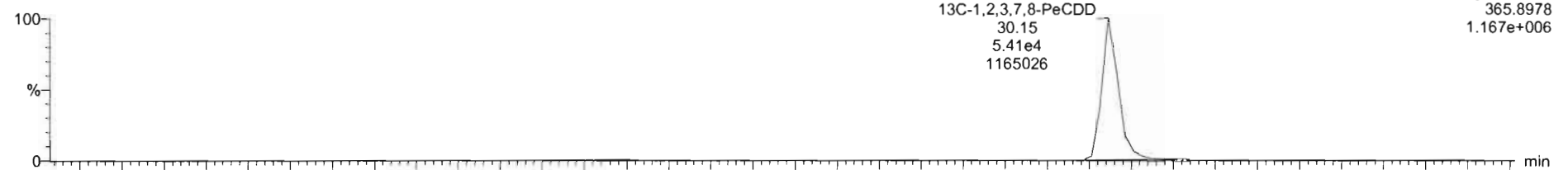


200930D2\_2

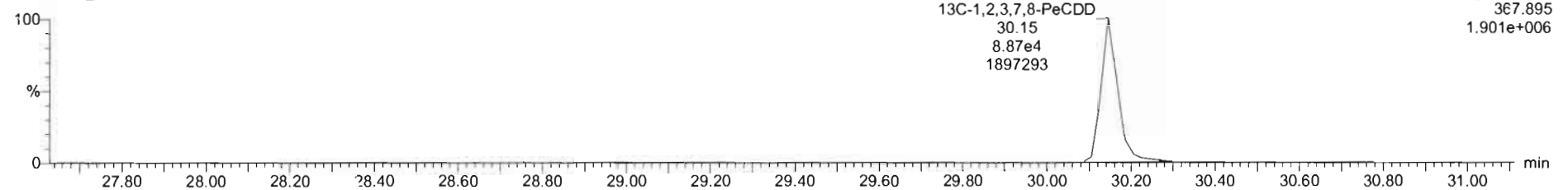


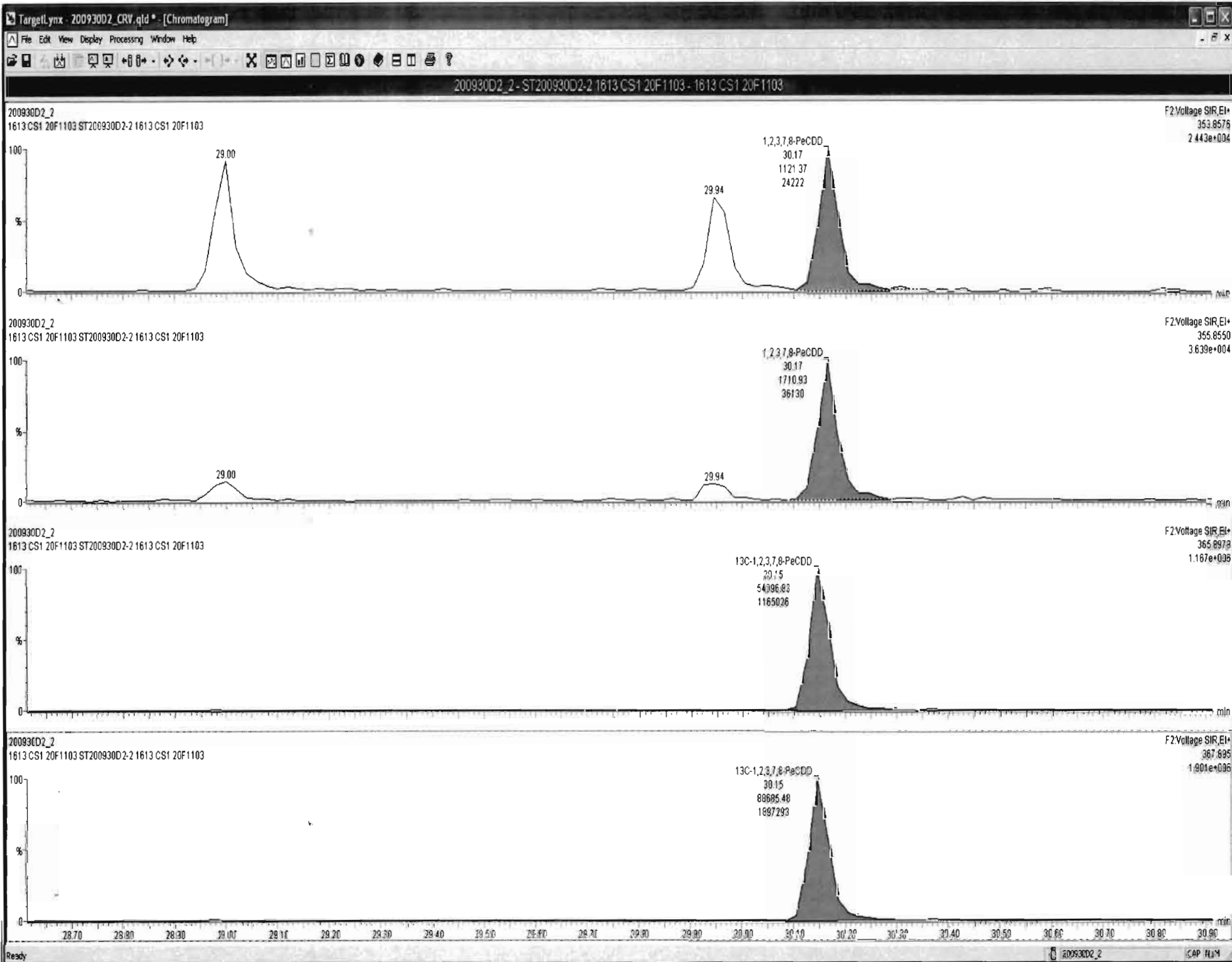
13C-1,2,3,7,8-PeCDD

200930D2\_2



200930D2\_2





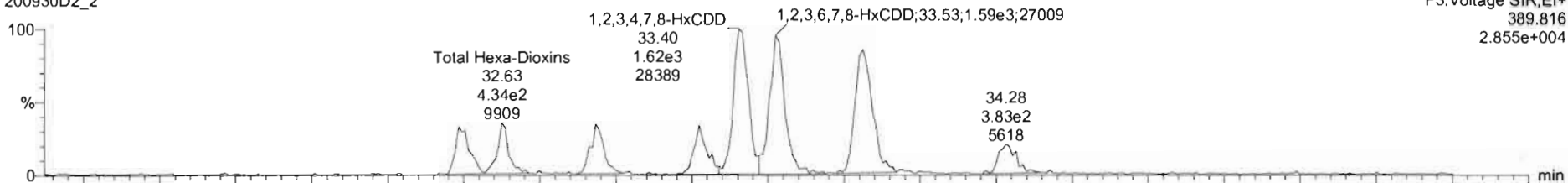
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

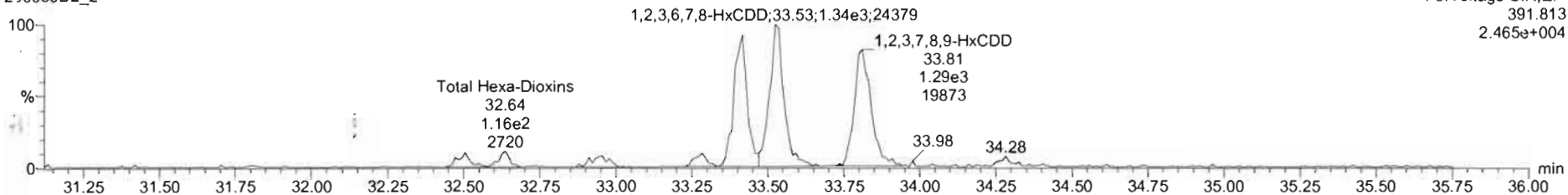
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1,2,3,4,7,8-HxCDD

200930D2\_2

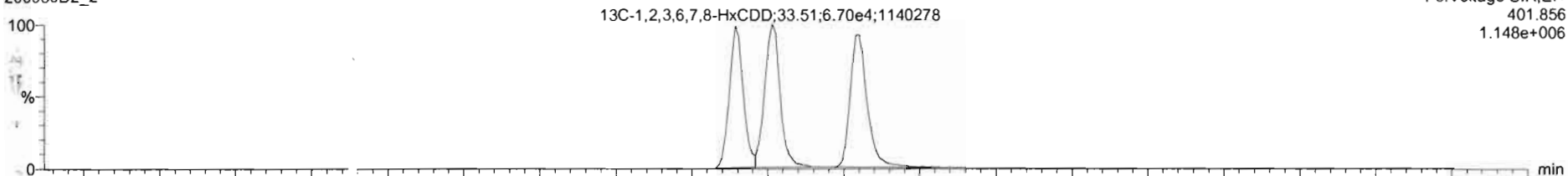


200930D2\_2

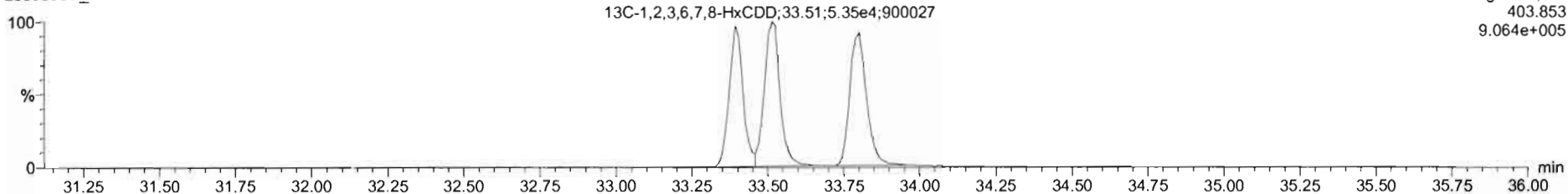


13C-1,2,3,4,7,8-HxCDD

200930D2\_2



200930D2\_2

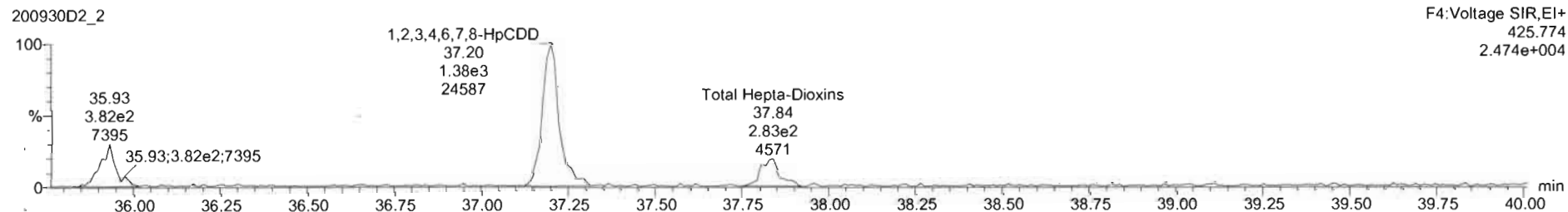
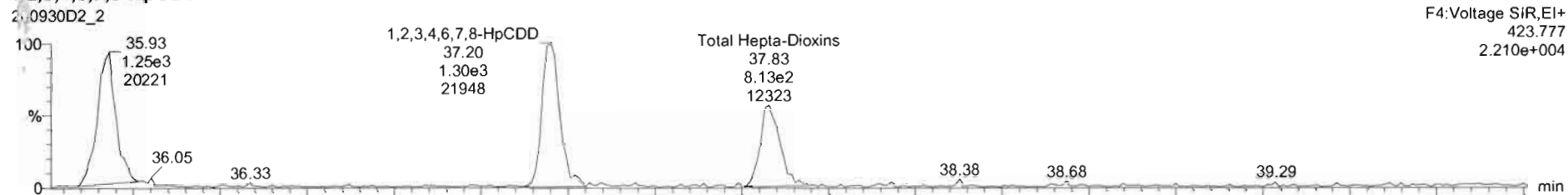


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

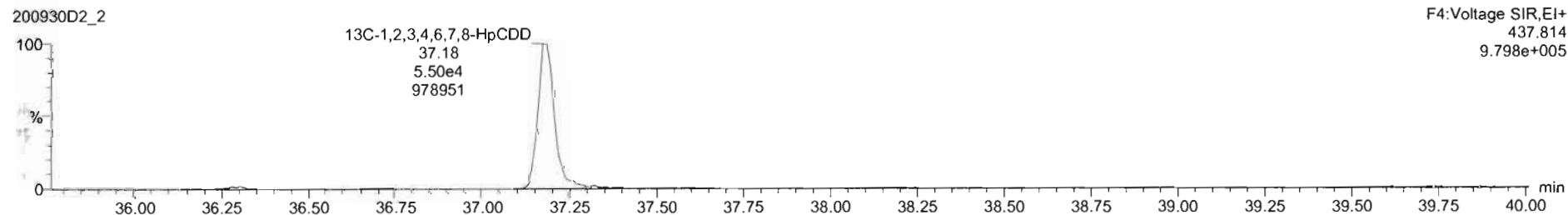
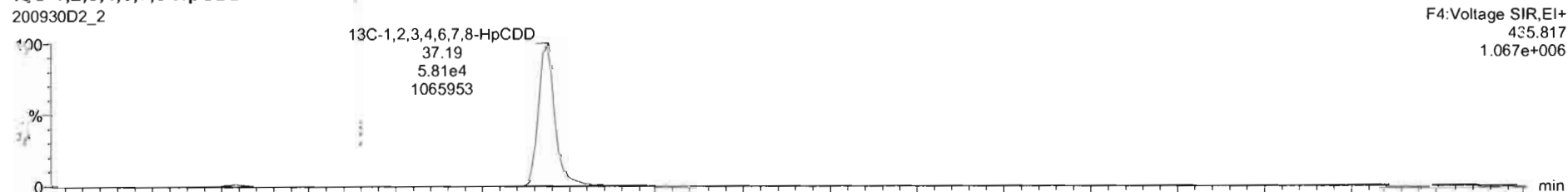
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

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



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



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

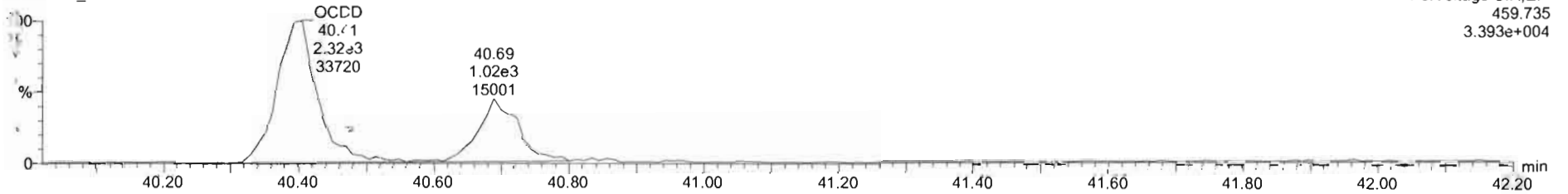
**OCDD**

200930D2\_2



F5:Voltage SIR,EI+  
457.738  
4.598e+004

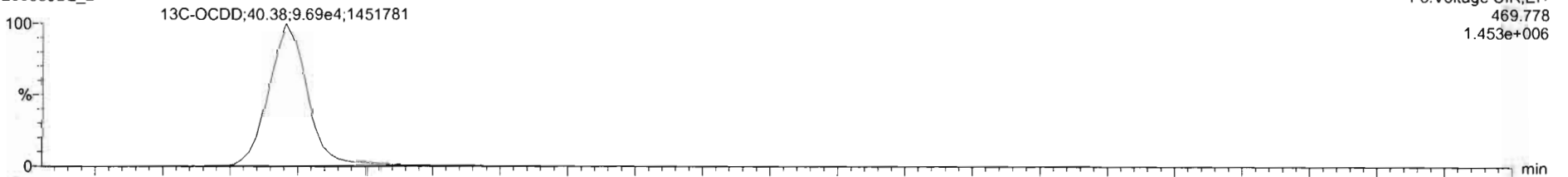
200930D2\_2



F5:Voltage SIR,EI+  
459.735  
3.393e+004

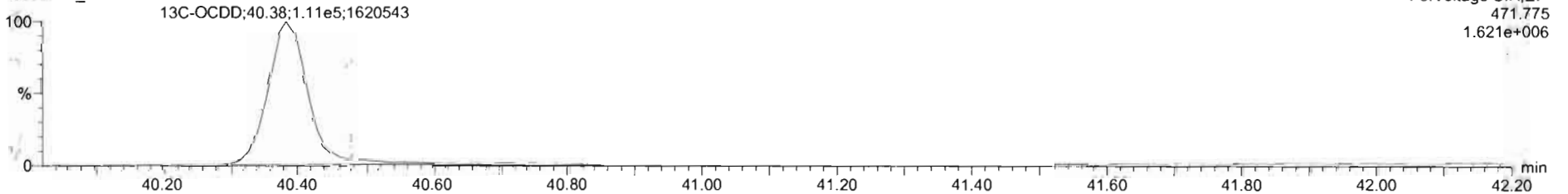
**13C-OCDD**

200930D2\_2



F5:Voltage SIR,EI+  
469.778  
1.453e+006

200930D2\_2



F5:Voltage SIR,EI+  
471.775  
1.621e+006

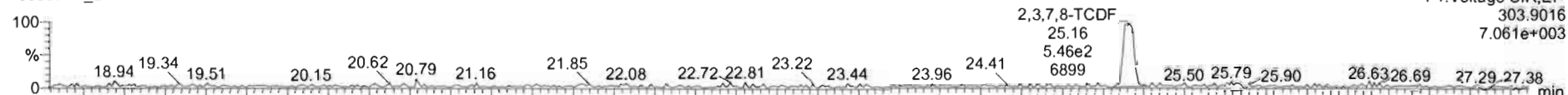
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
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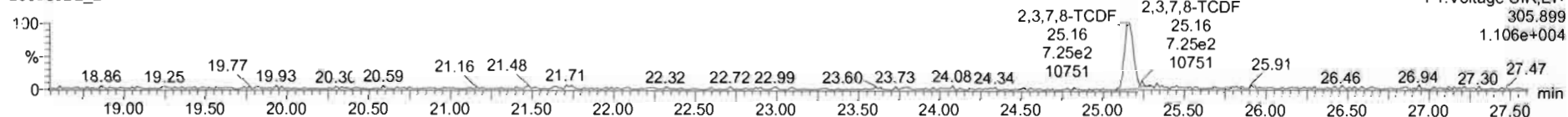
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2,3,7,8-TCDF

200930D2\_2

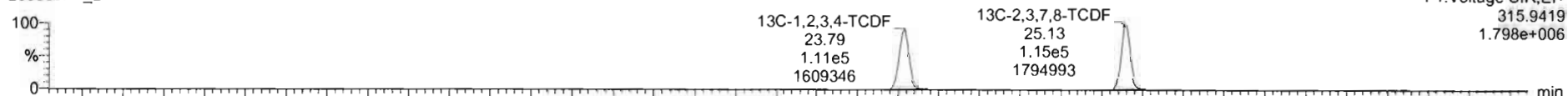


200930D2\_2

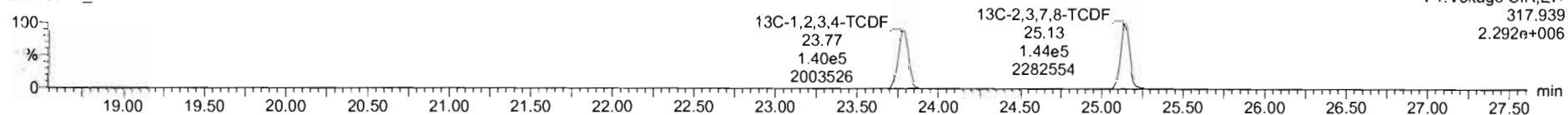


13C-2,3,7,8-TCDF

200930D2\_2

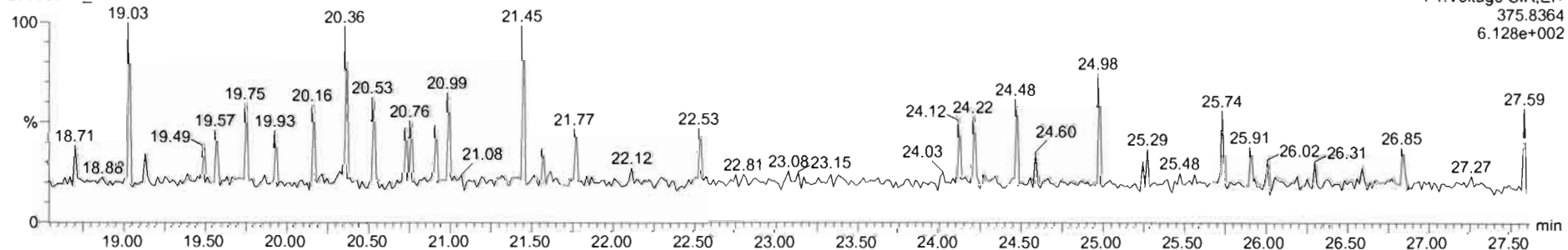


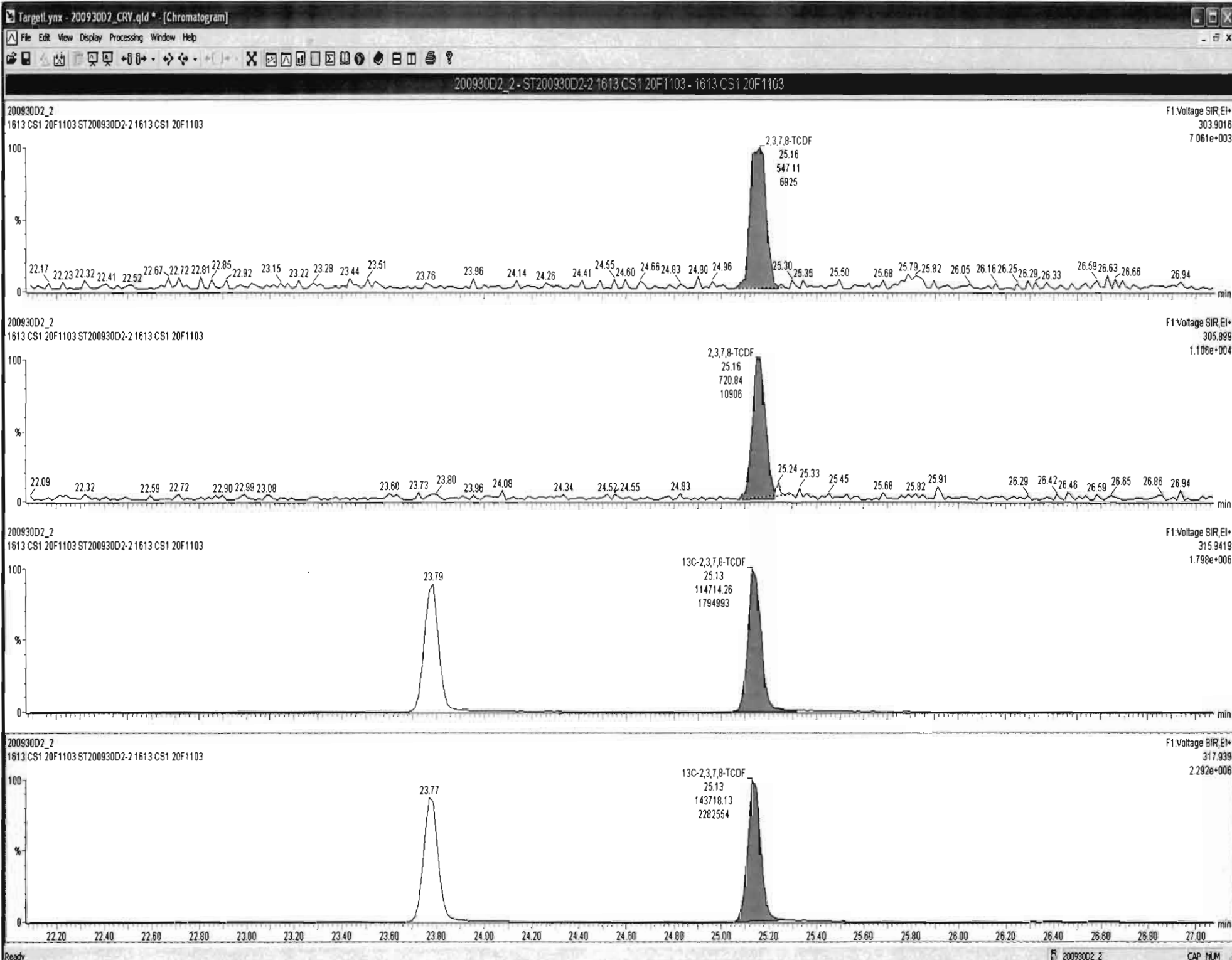
200930D2\_2



2,3,7,8-TCDF

200930D2\_2





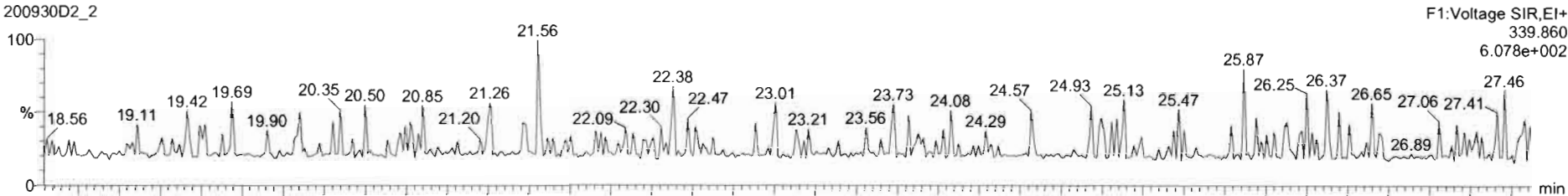
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

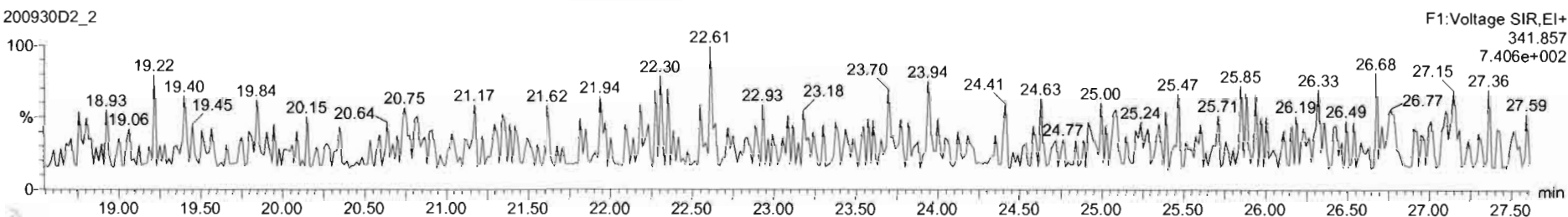
1st Func. Penta-Furans

200930D2\_2



F1: Voltage SIR, EI+  
339.860  
6.078e+002

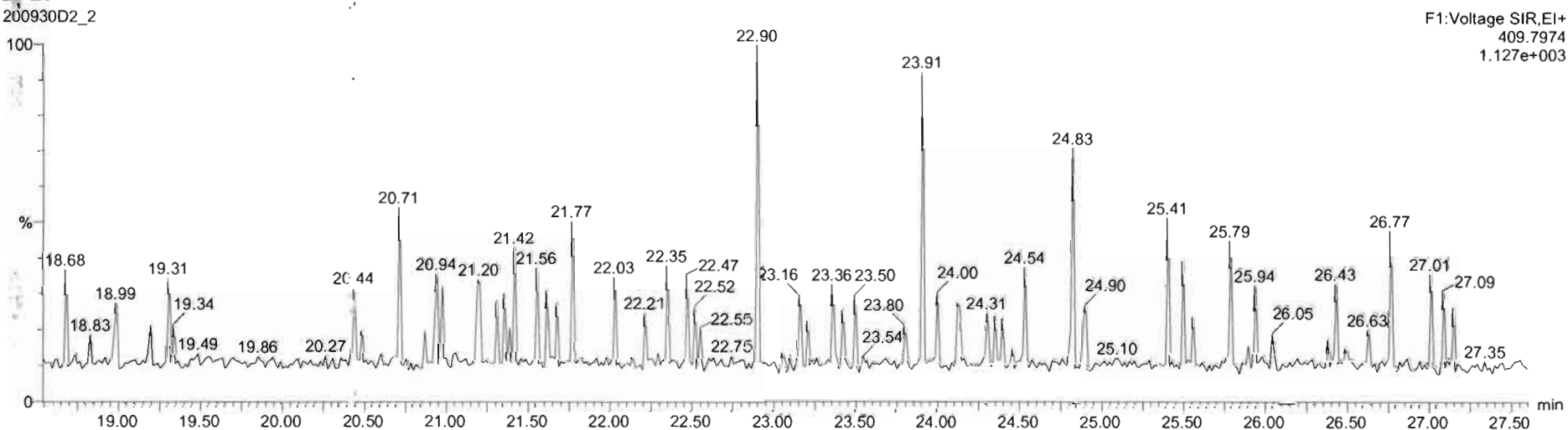
200930D2\_2



F1: Voltage SIR, EI+  
341.857  
7.406e+002

DPE6

200930D2\_2



F1: Voltage SIR, EI+  
409.7974  
1.127e+003

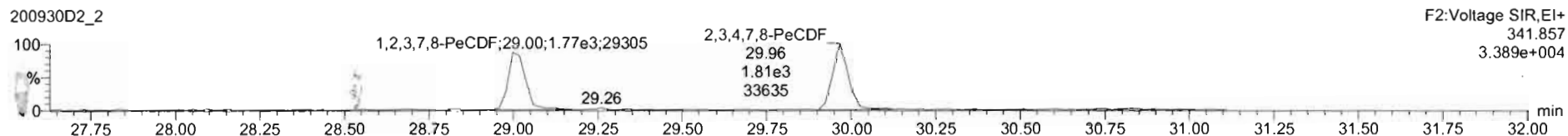
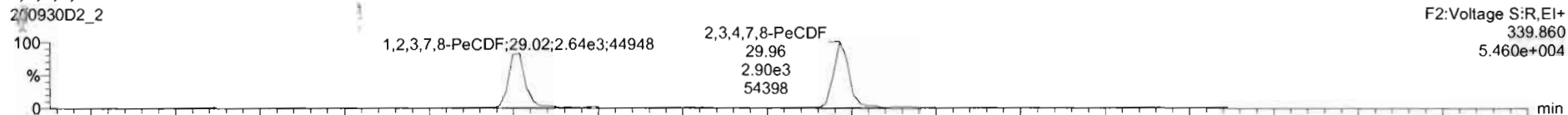


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

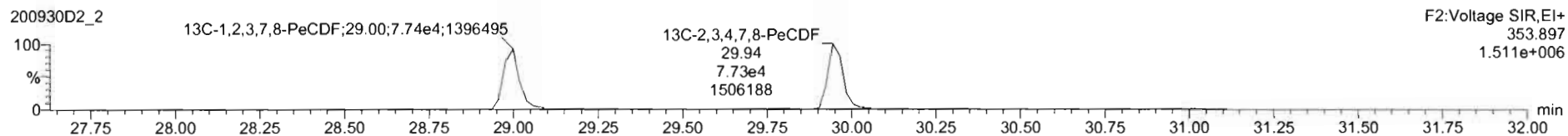
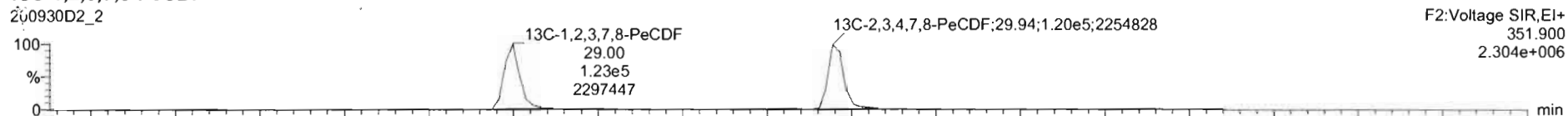
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

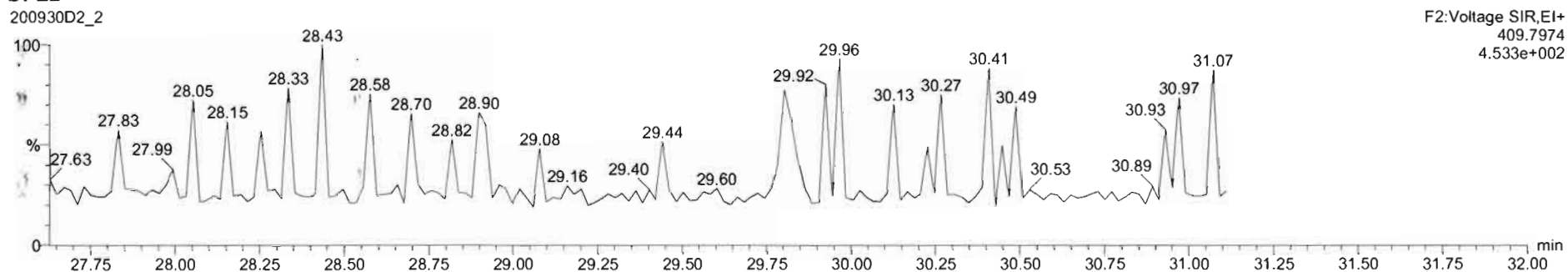
1,2,3,7,8-PeCDF



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



DPE2

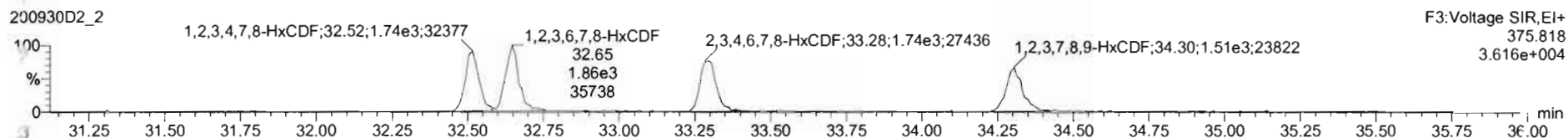
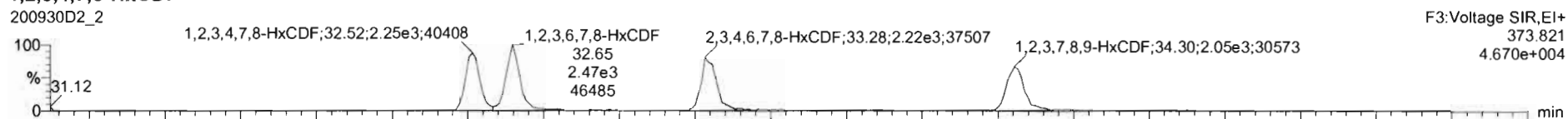


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

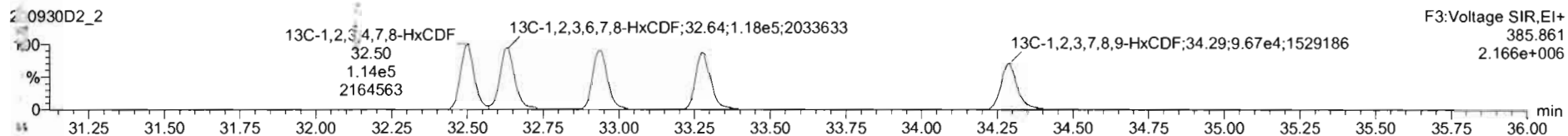
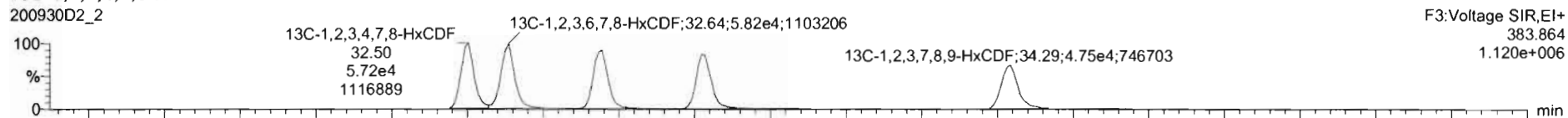
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103

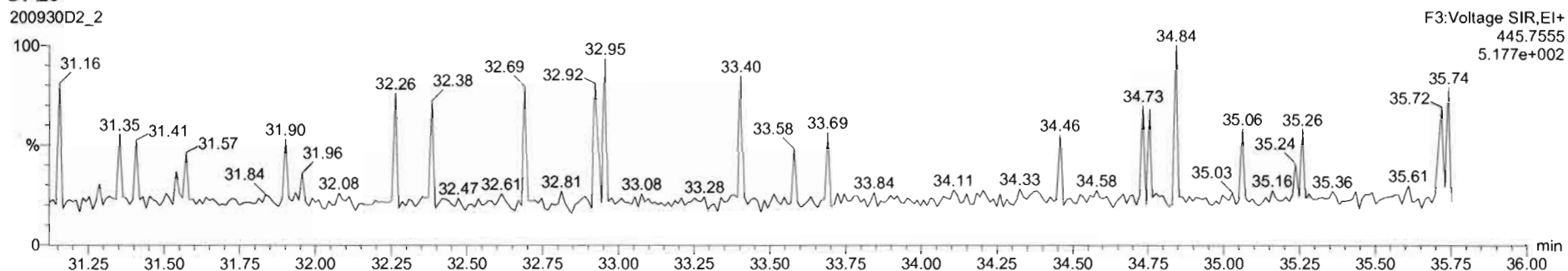
1,2,3,4,7,8-HxCDF



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



DPE3

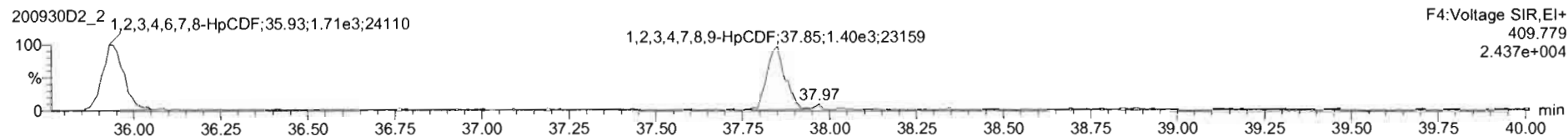
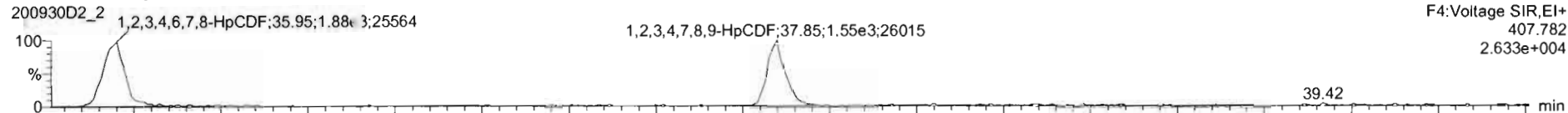


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

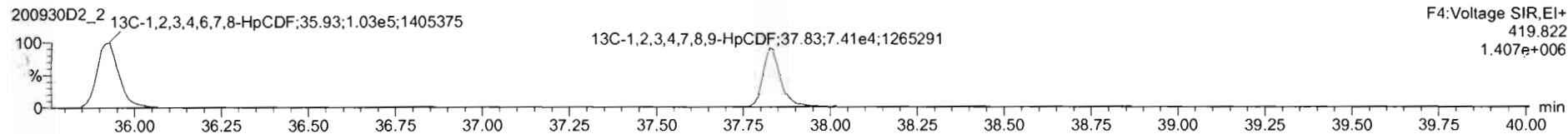
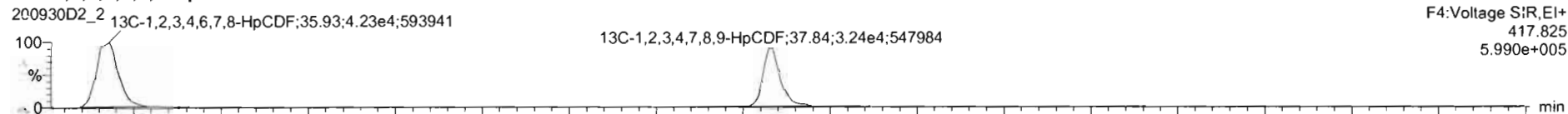
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
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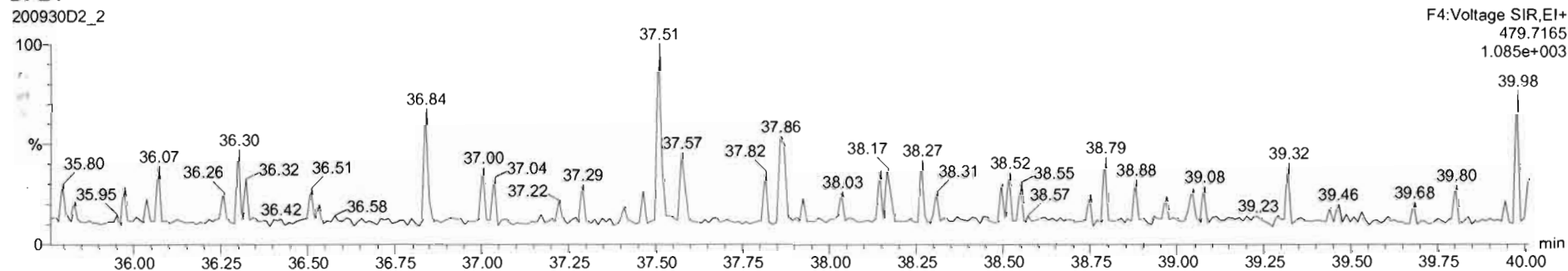
**1,2,3,4,6,7,8-HpCDF**



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



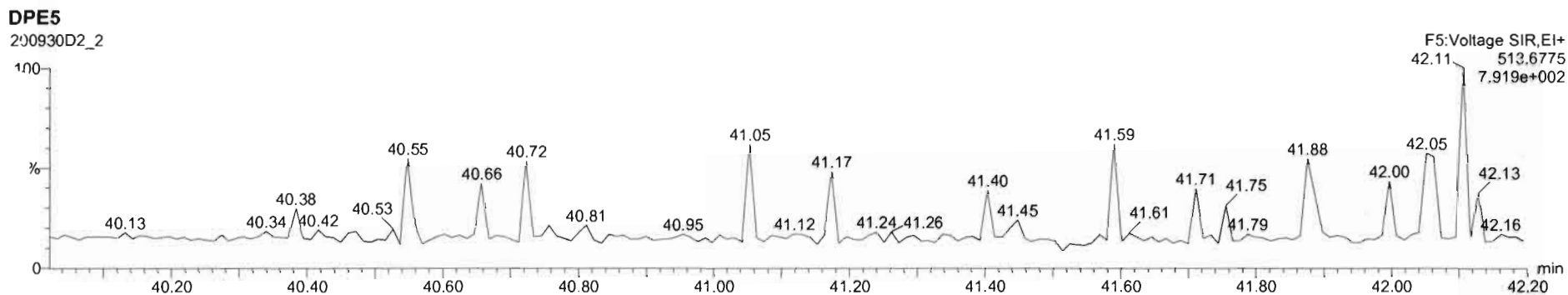
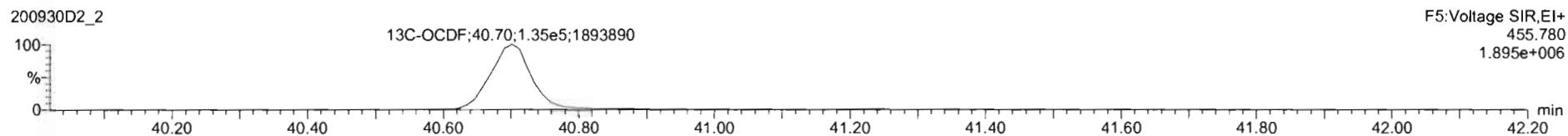
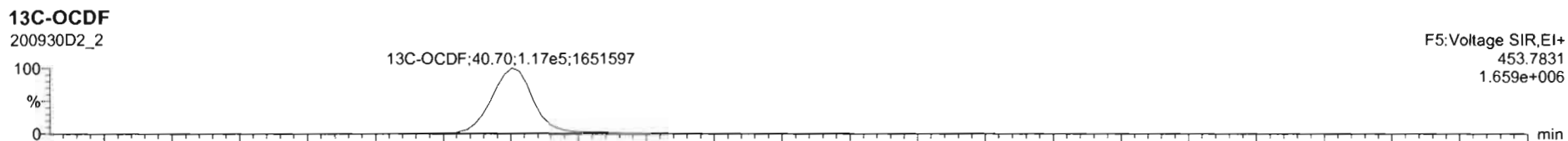
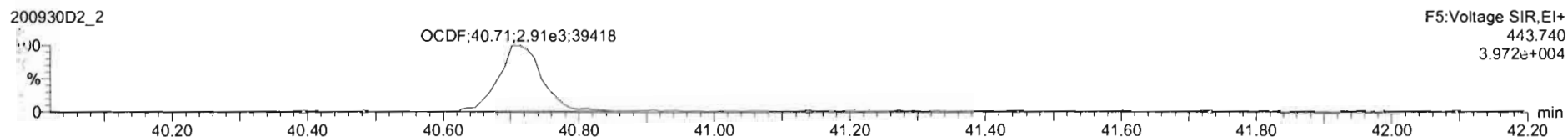
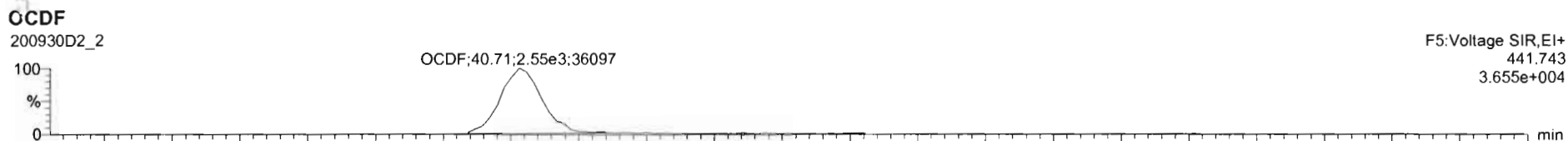
**DPE4**



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

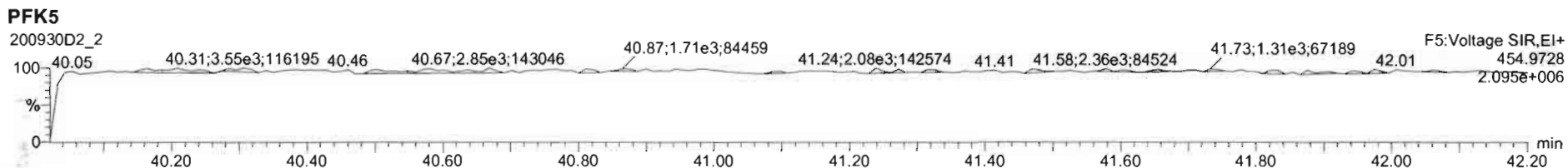
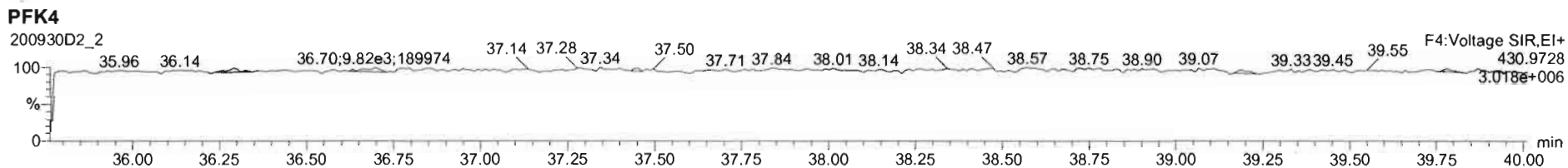
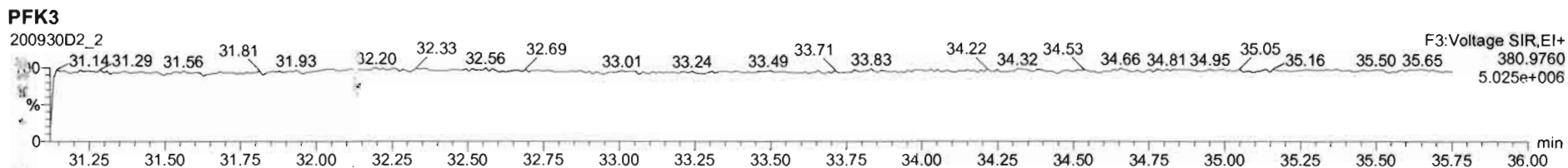
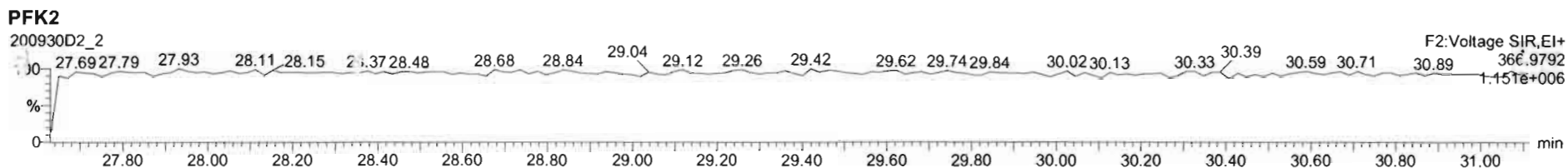
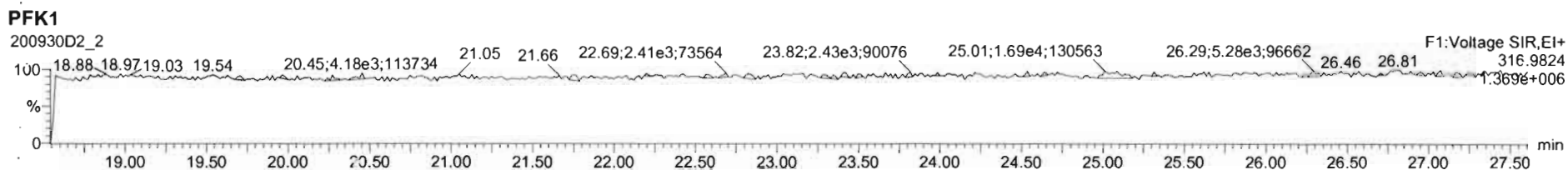
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Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
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Name: 200930D2\_2, Date: 30-Sep-2020, Time: 12:51:13, ID: ST200930D2-2 1613 CS1 20F1103, Description: 1613 CS1 20F1103



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

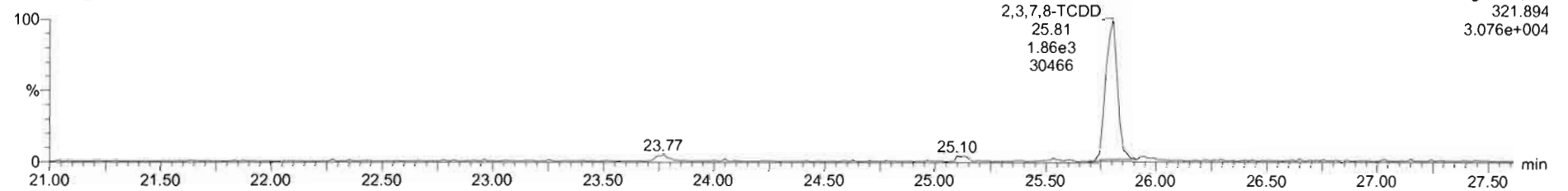
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2,3,7,8-TCDD

200930D2\_3

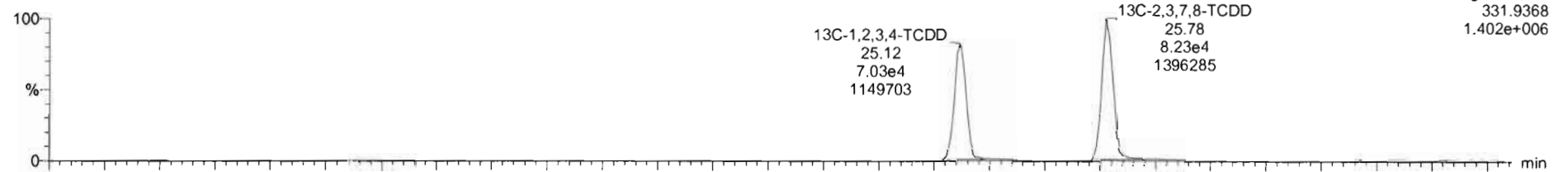


200930D2\_3

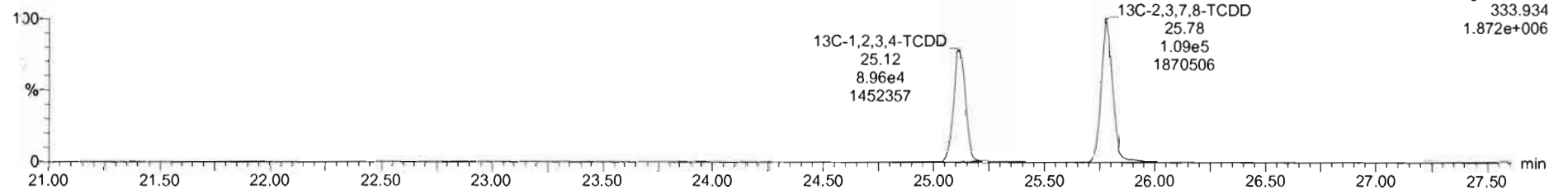


13C-2,3,7,8-TCDD

200930D2\_3



200930D2\_3

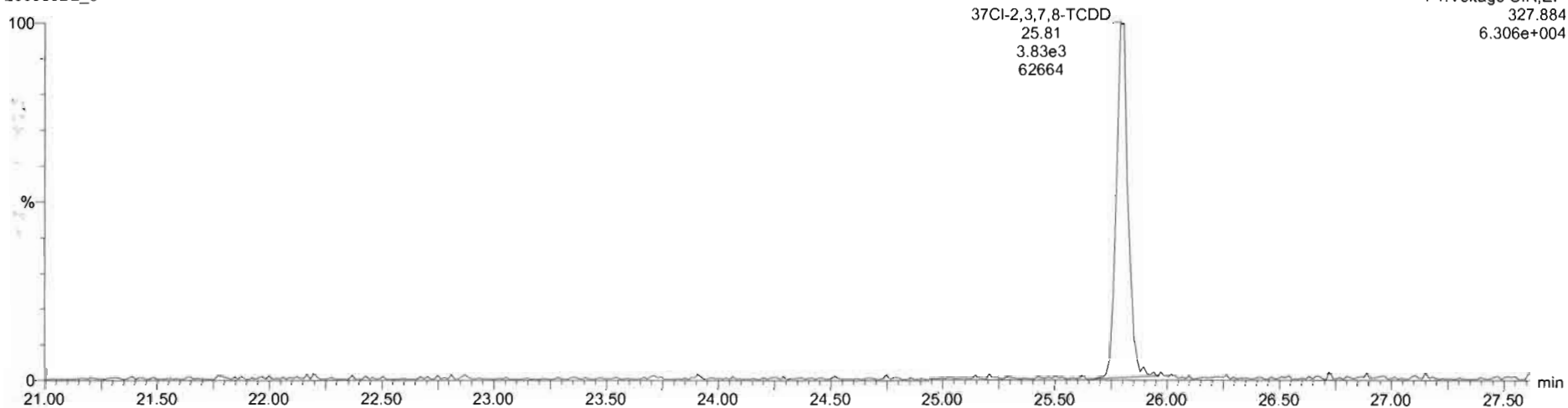


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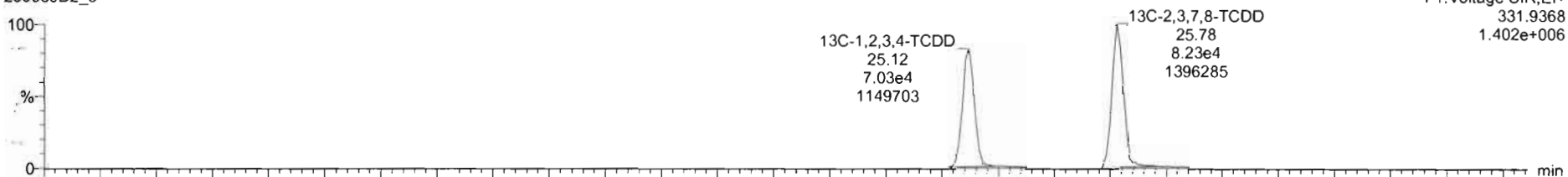
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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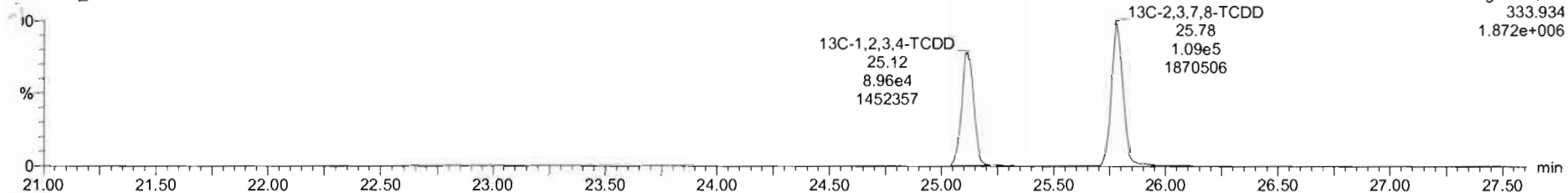
37Cl-2,3,7,8-TCDD  
200930D2\_3



13C-1,2,3,4-TCDD  
200930D2\_3



200930D2\_3



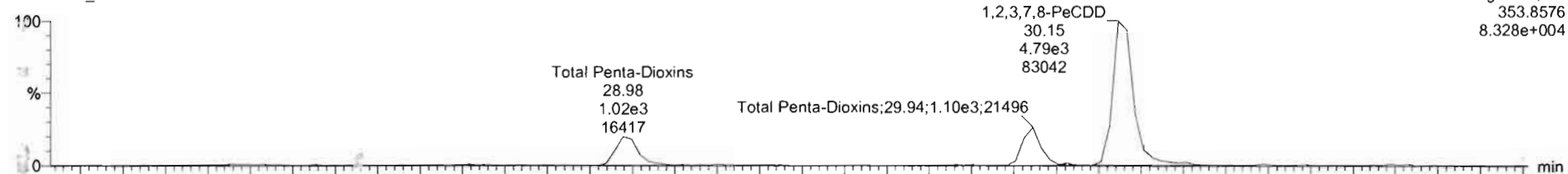
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

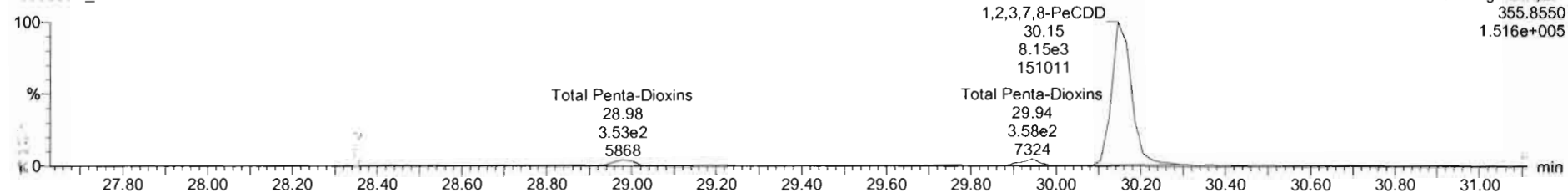
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1,2,3,7,8-PeCDD

200930D2\_3

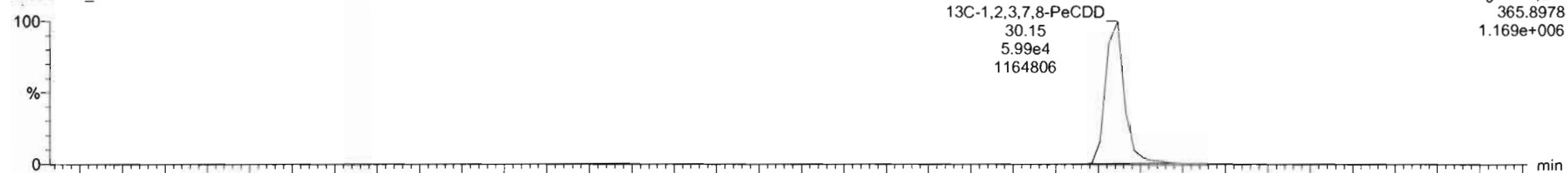


200930D2\_3

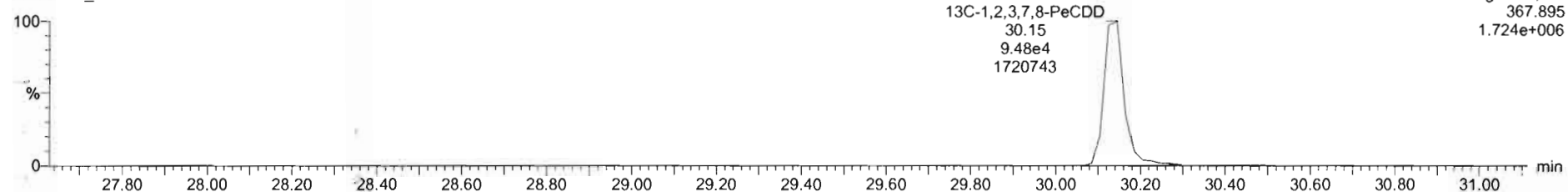


13C-1,2,3,7,8-PeCDD

200930D2\_3



200930D2\_3





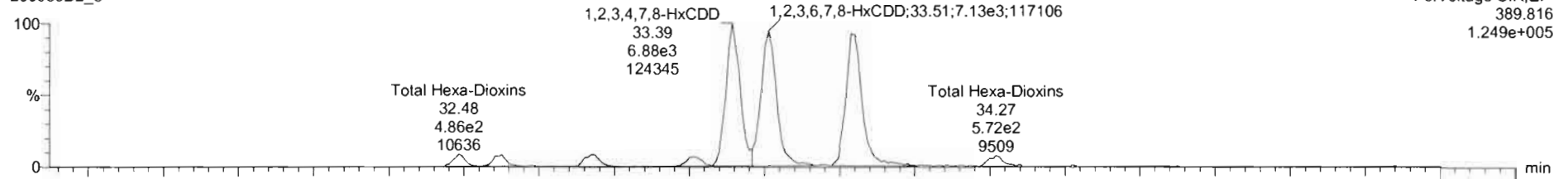
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

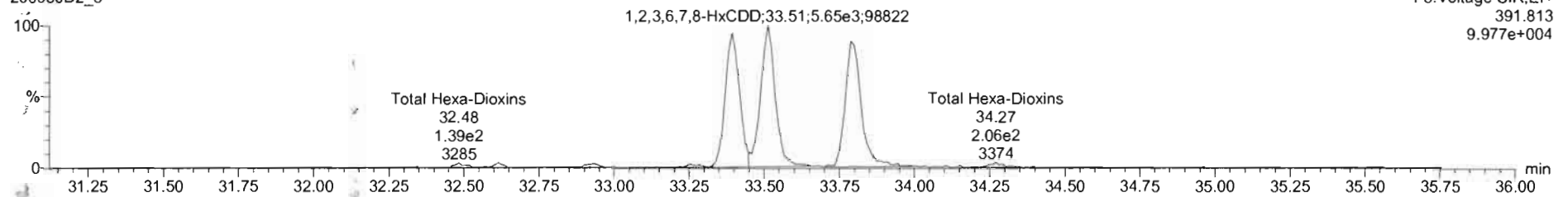
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1,2,3,4,7,8-HxCDD

200930D2\_3

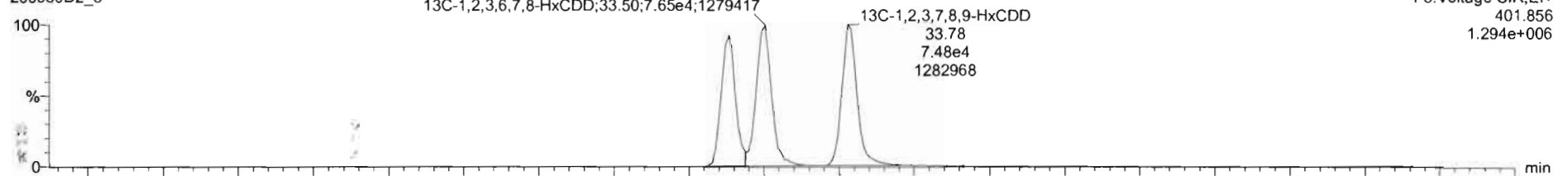


200930D2\_3

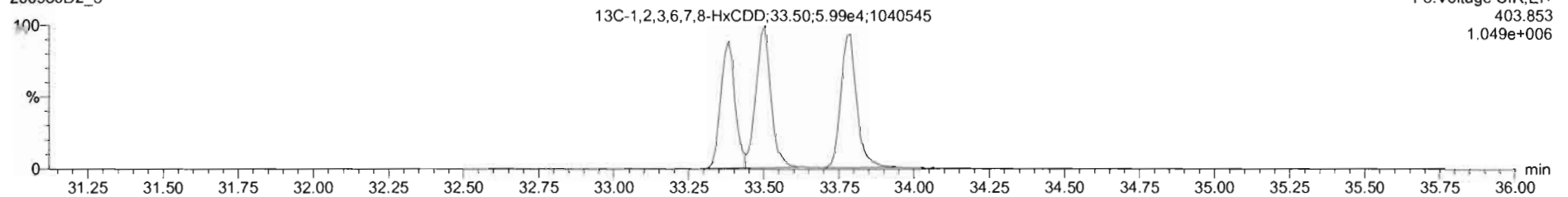


13C-1,2,3,4,7,8-HxCDD

200930D2\_3



200930D2\_3



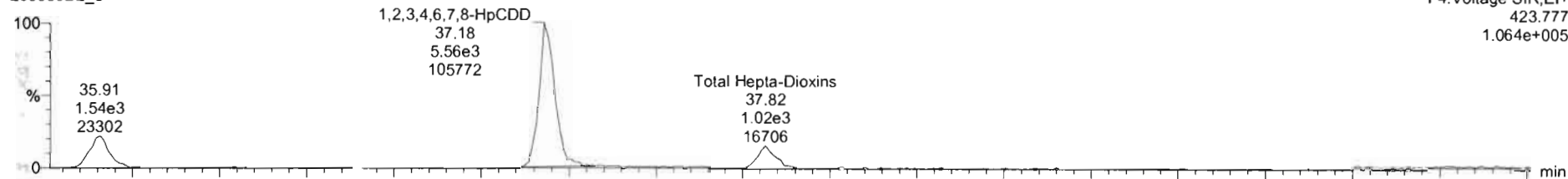
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

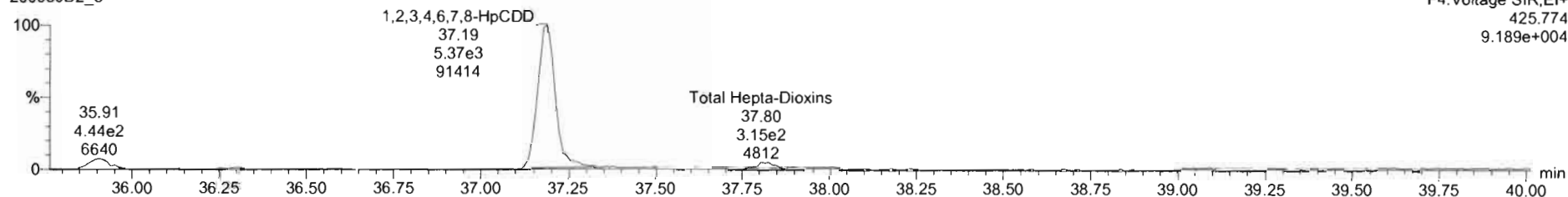
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1,2,3,4,6,7,8-HpCDD

200930D2\_3

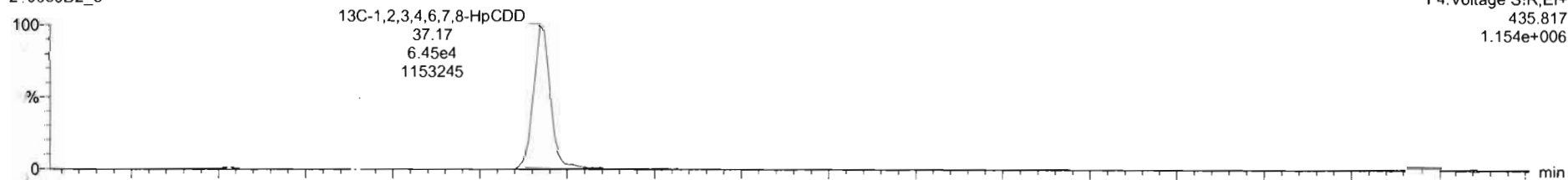


200930D2\_3

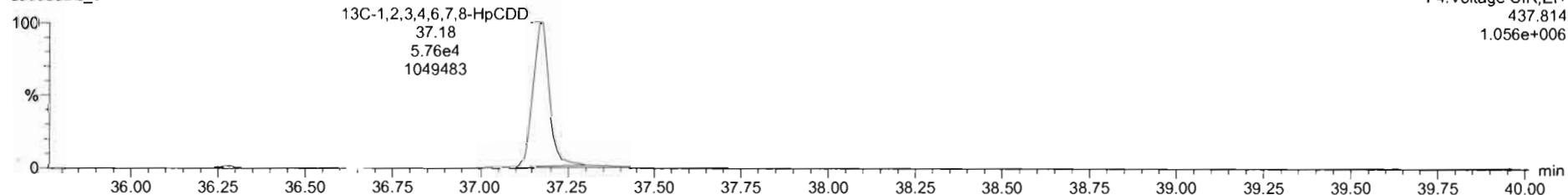


13C-1,2,3,4,6,7,8-HpCDD

200930D2\_3



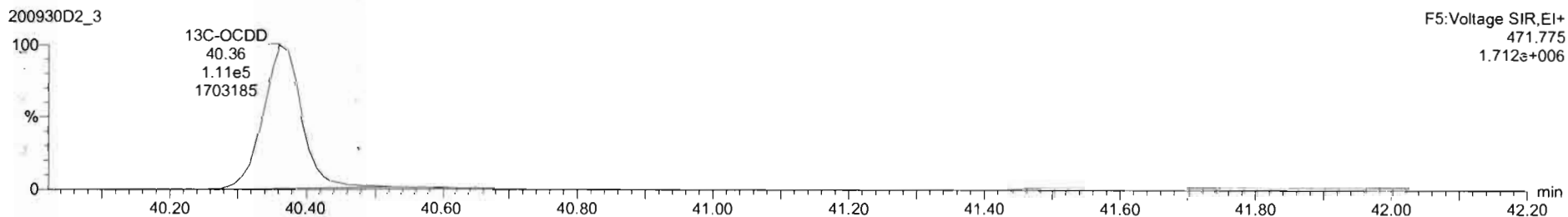
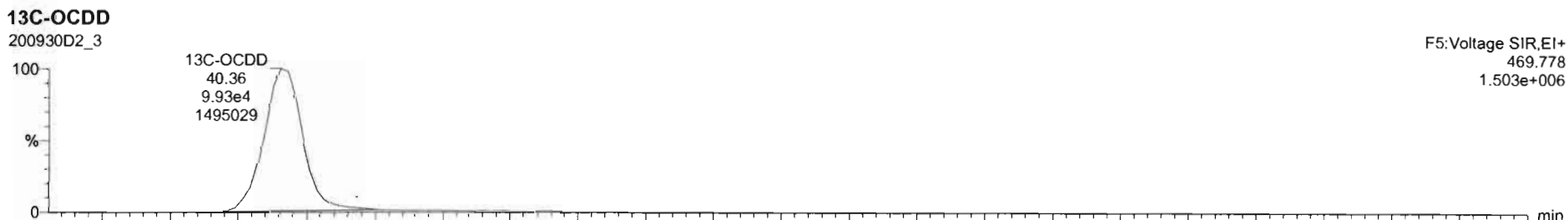
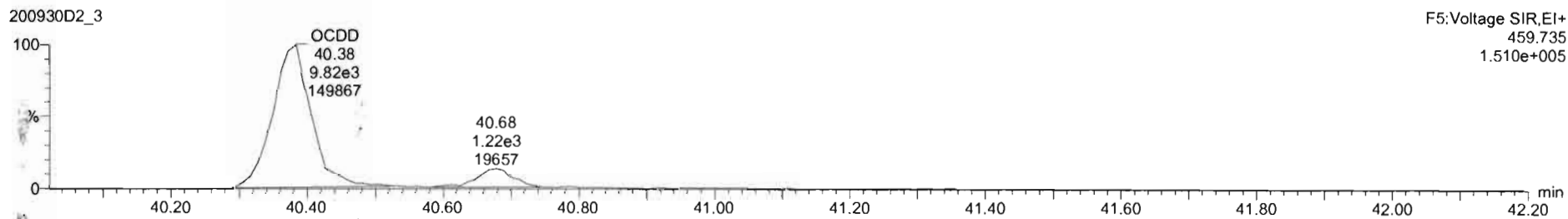
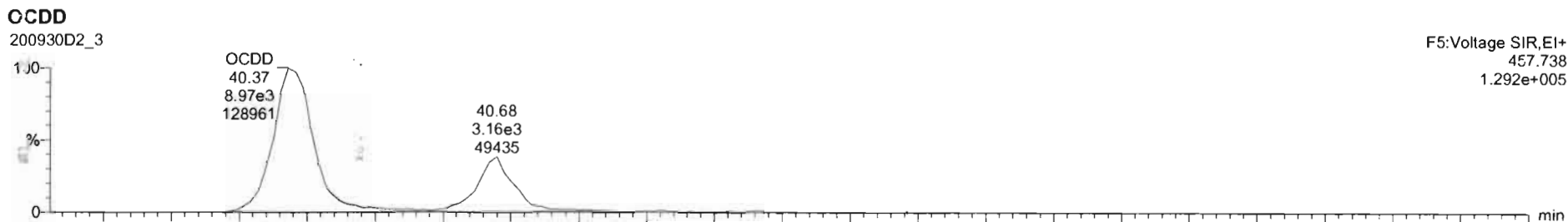
200930D2\_3



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104



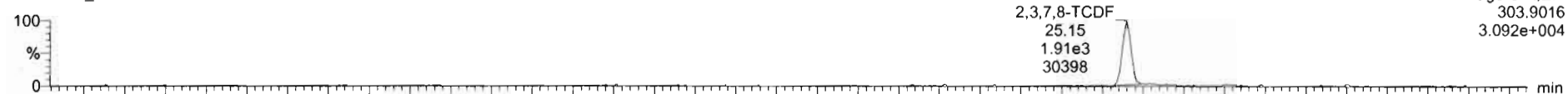
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

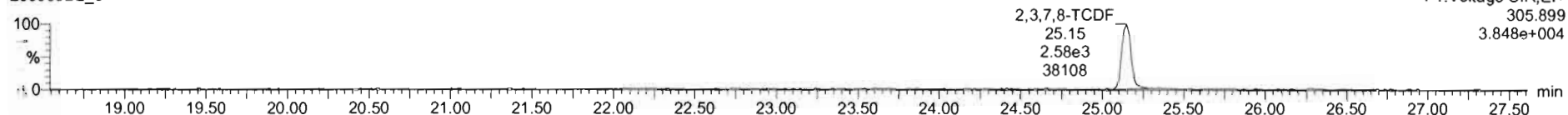
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**2,3,7,8-TCDF**

200930D2\_3

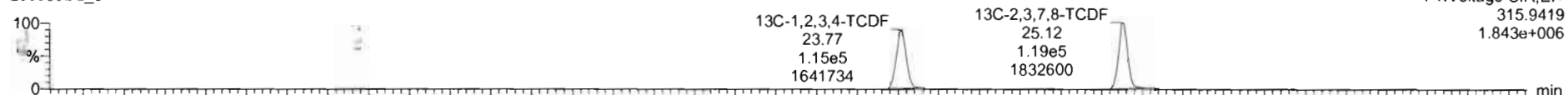


200930D2\_3

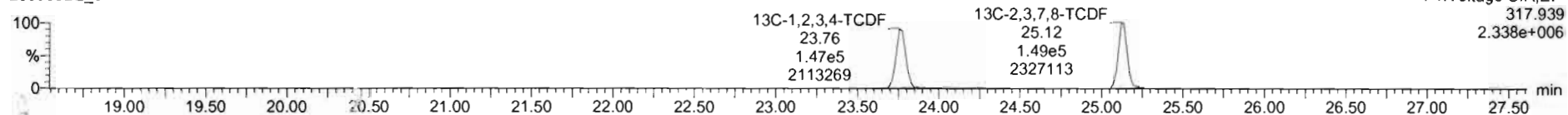


**13C-2,3,7,8-TCDF**

200930D2\_3

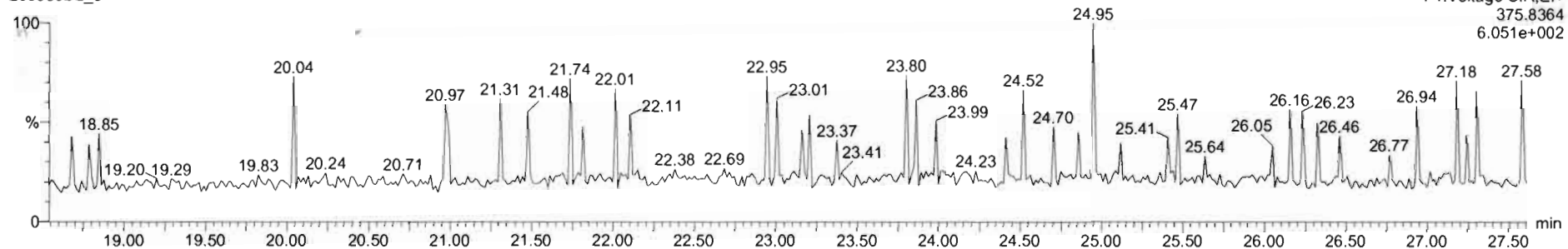


200930D2\_3



**DPE1**

200930D2\_3



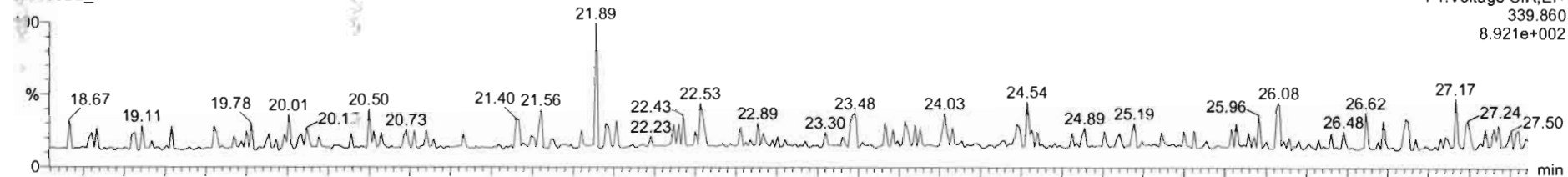
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List Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

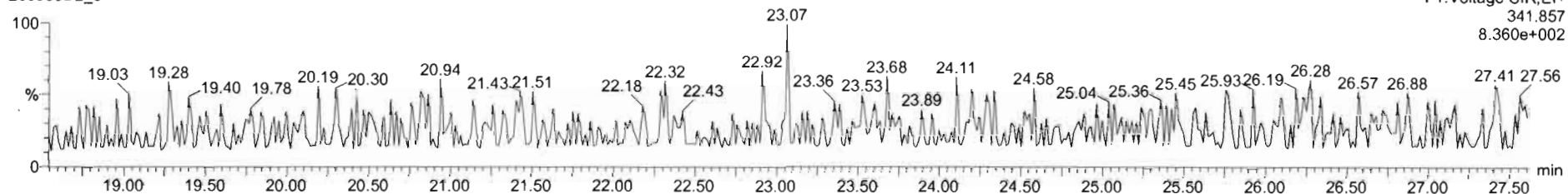
Name: 200930D2\_3, Date: 30-Sep-2020, Time: 13:37:23, ID: ST200930D2-3 1613 CS2 20F1104, Description: 1613 CS2 20F1104

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200930D2\_3

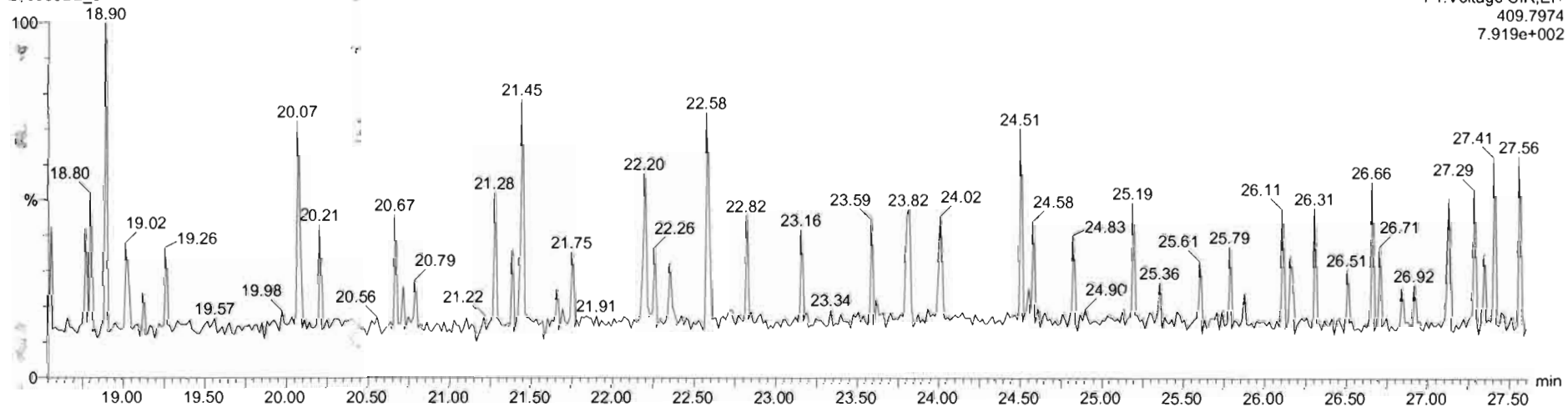


200930D2\_3



DPE6

200930D2\_3



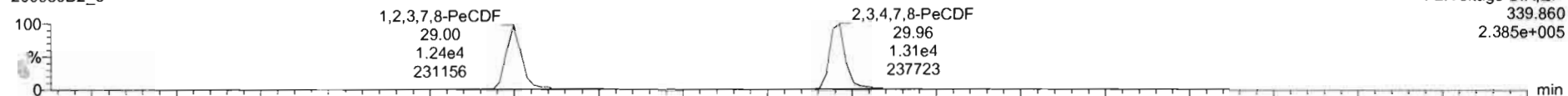
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

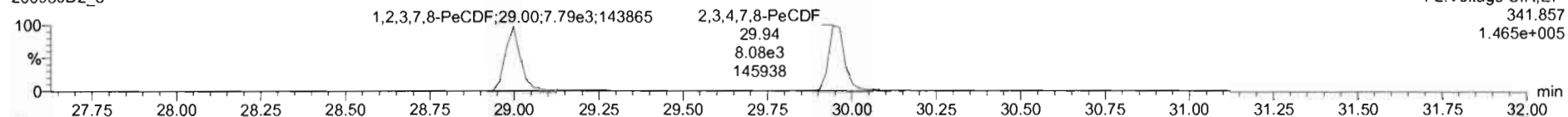
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1 2,3,7,8-PeCDF

200930D2\_3

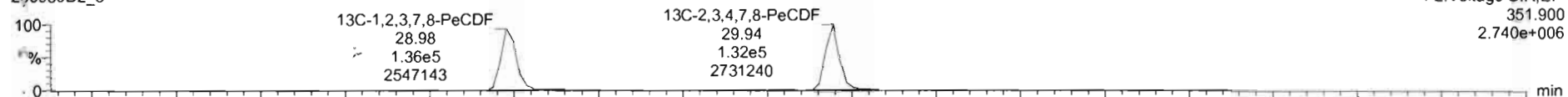


200930D2\_3

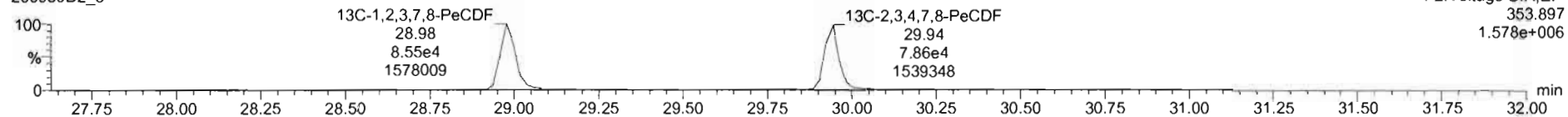


13C-1,2,3,7,8-PeCDF

200930D2\_3

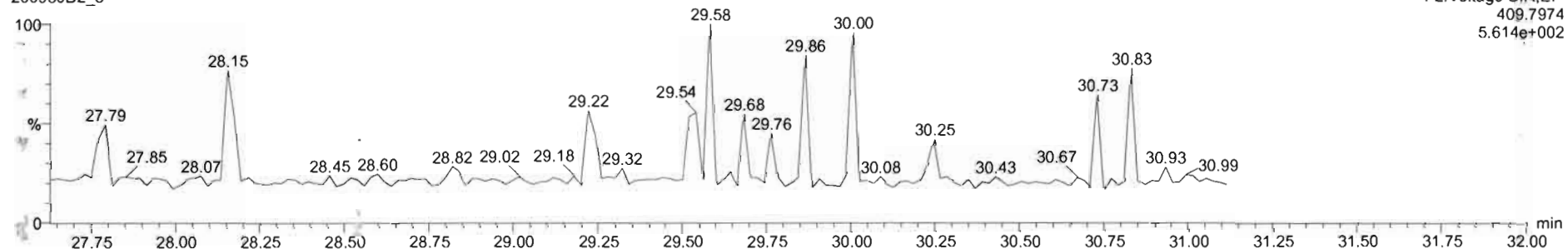


200930D2\_3



DPE2

200930D2\_3



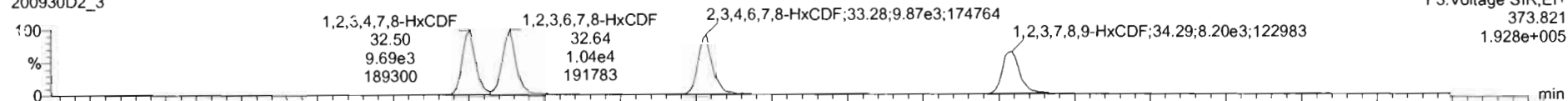
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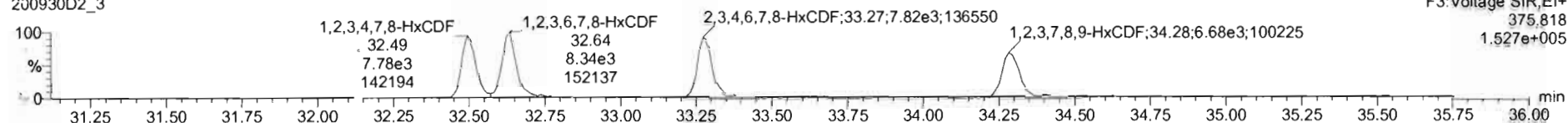
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1,2,3,4,7,8-HxCDF

200930D2\_3

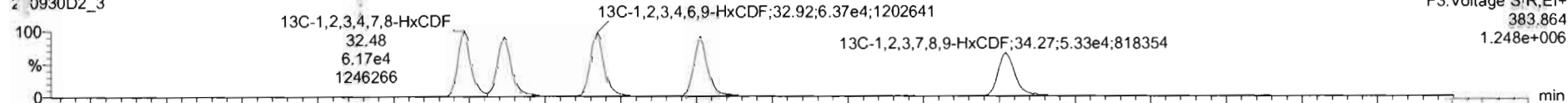


200930D2\_3

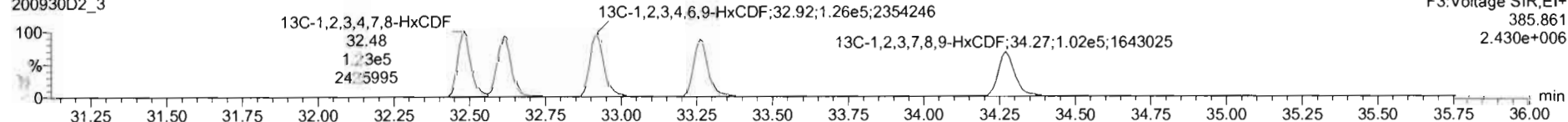


13C-1,2,3,4,7,8-HxCDF

200930D2\_3

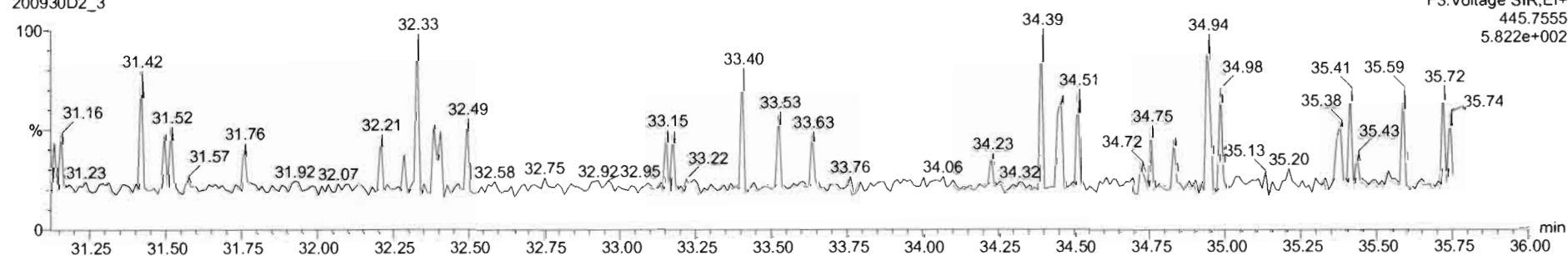


200930D2\_3



DPE3

200930D2\_3



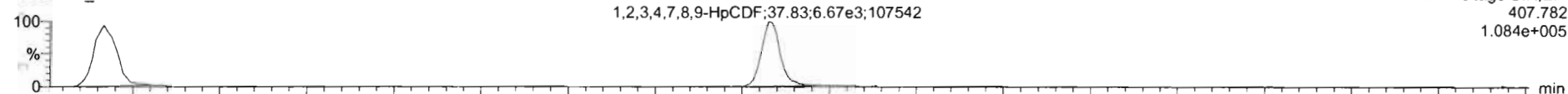
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

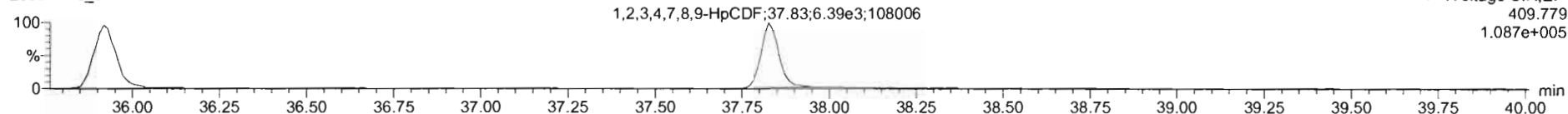
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1 2,3,4,6,7,8-HpCDF

200930D2\_3

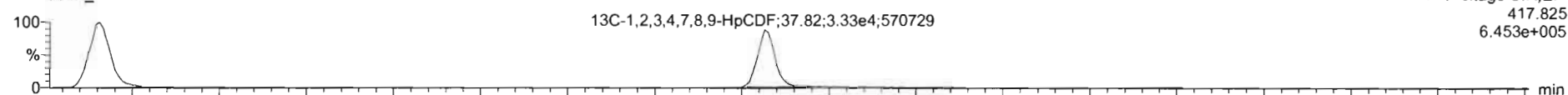


200930D2\_3

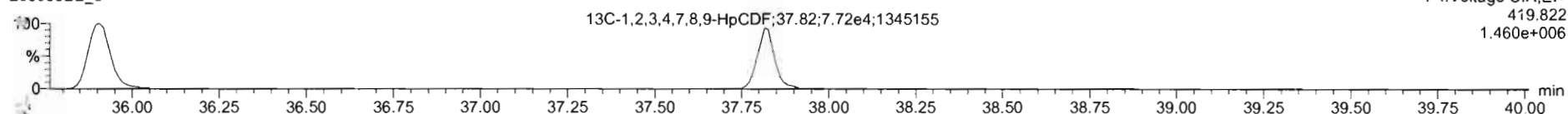


13C-1,2,3,4,6,7,8-HpCDF

200930D2\_3

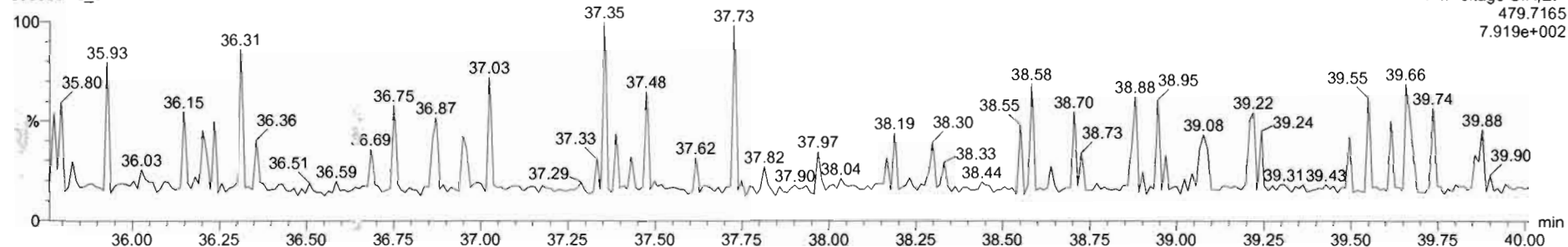


200930D2\_3



DPE4

200930D2\_3

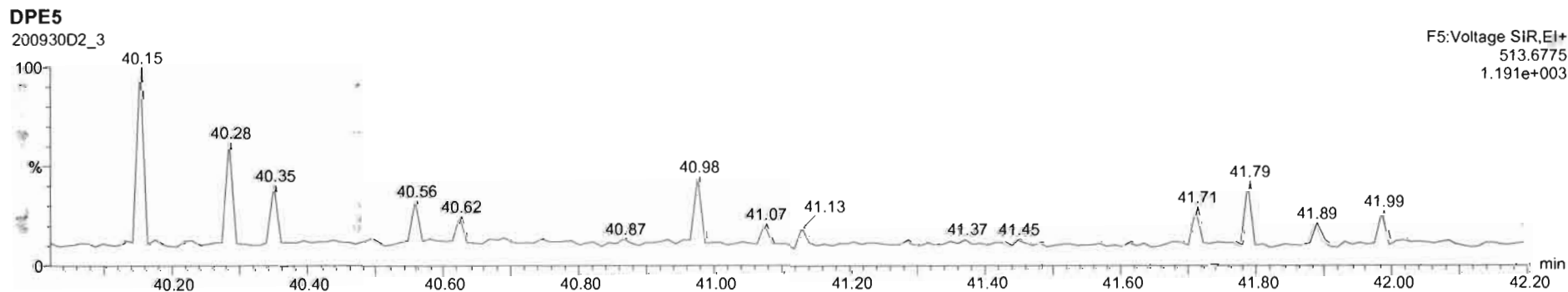
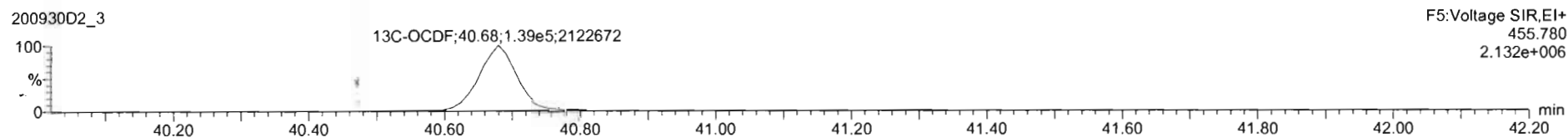
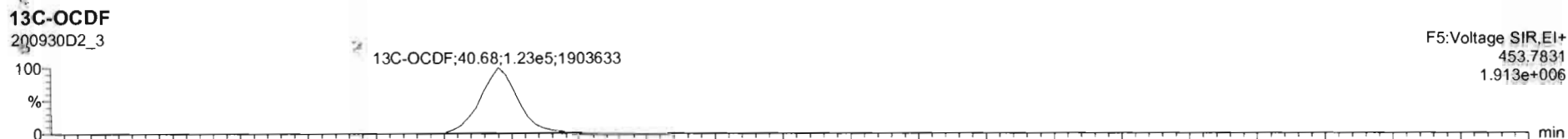
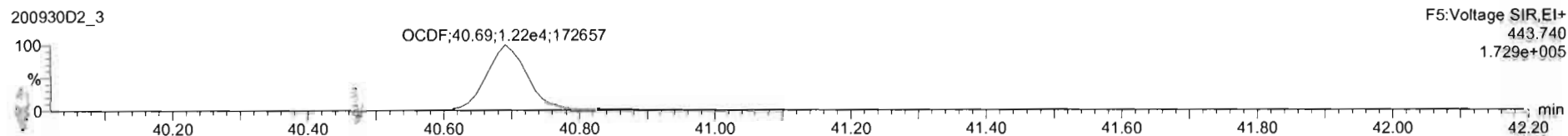
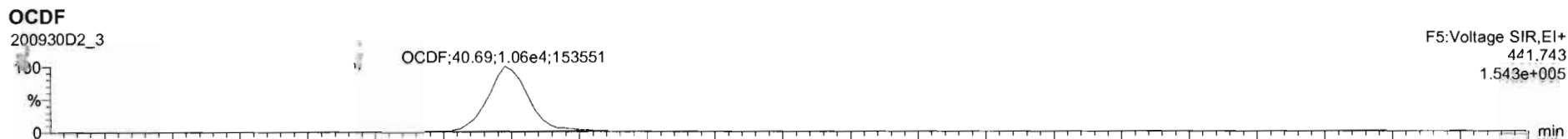




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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

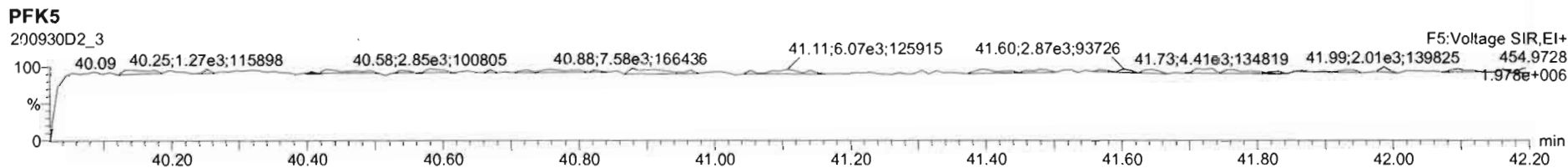
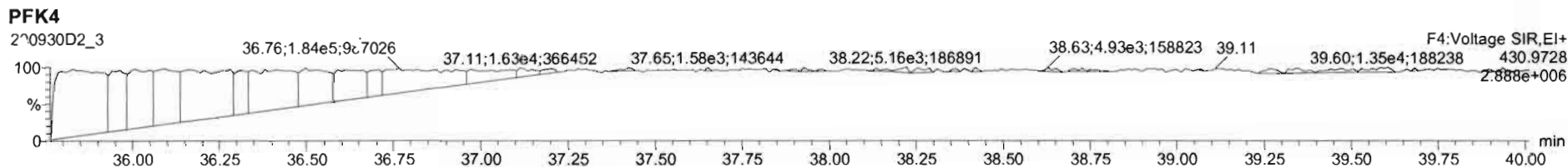
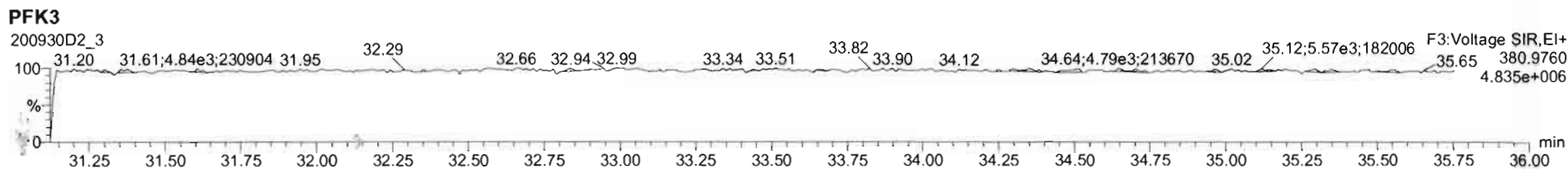
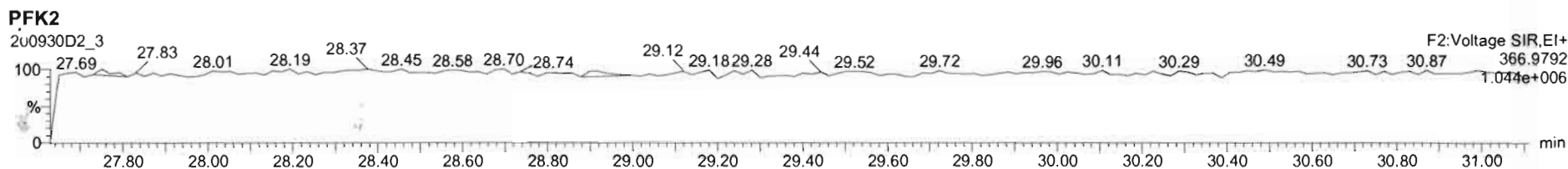
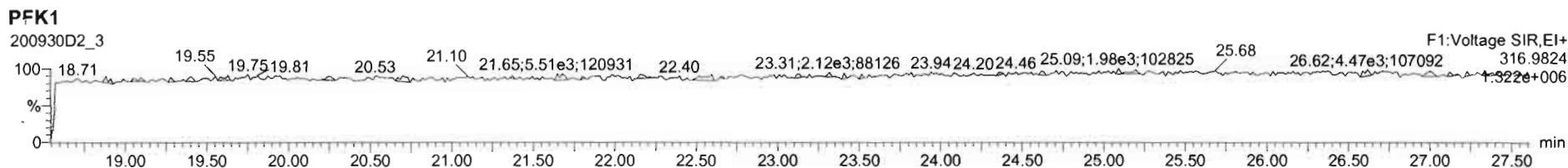
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Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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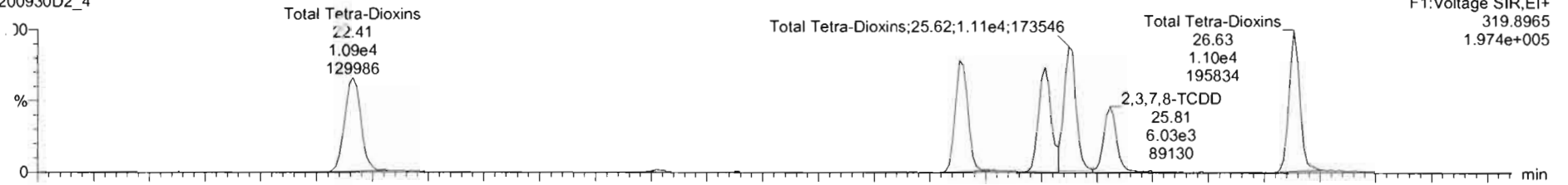
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

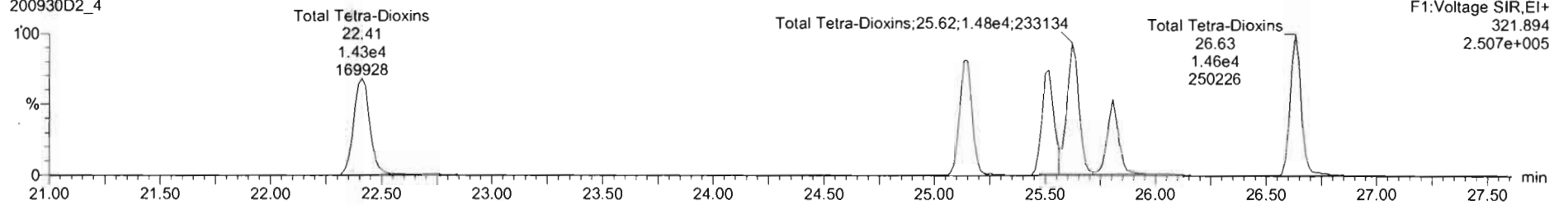
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2,3,7,8-TCDD

200930D2\_4

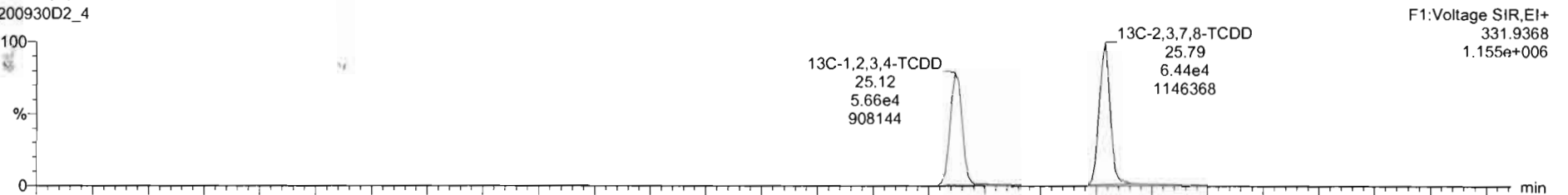


200930D2\_4

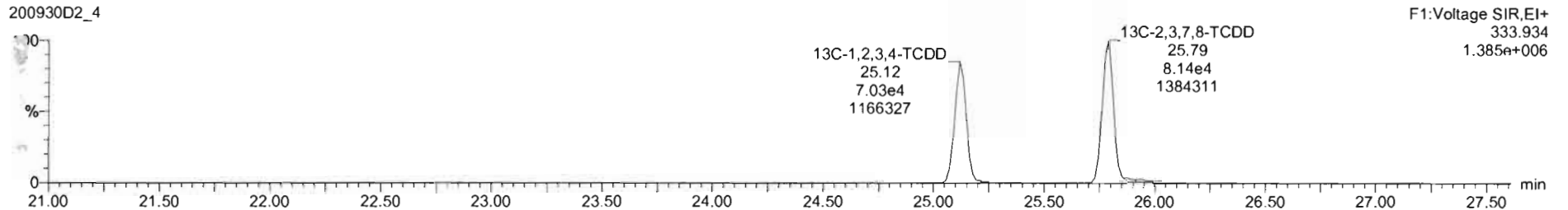


13C-2,3,7,8-TCDD

200930D2\_4



200930D2\_4



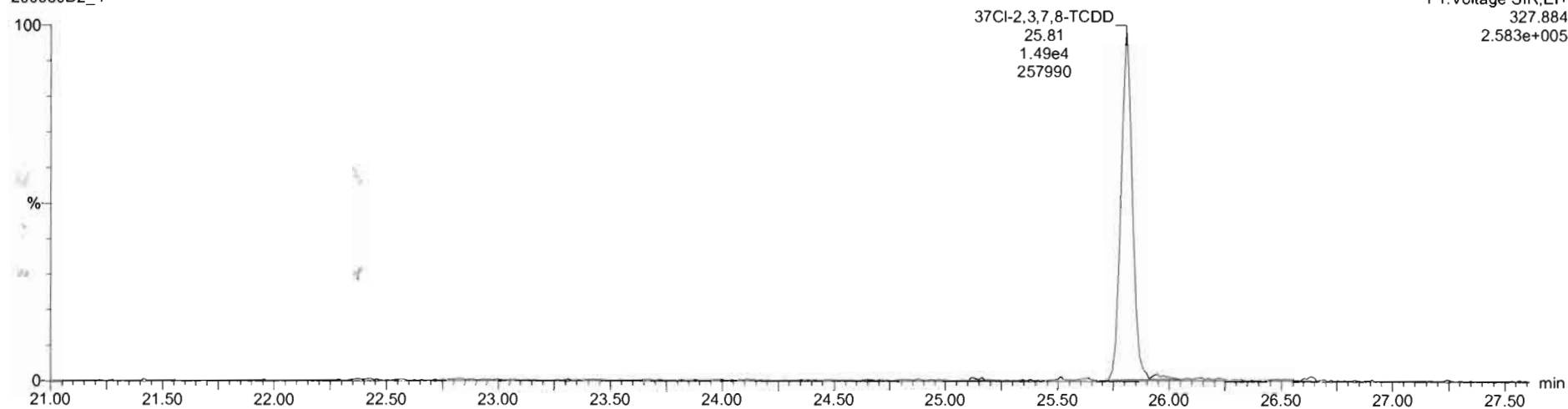
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

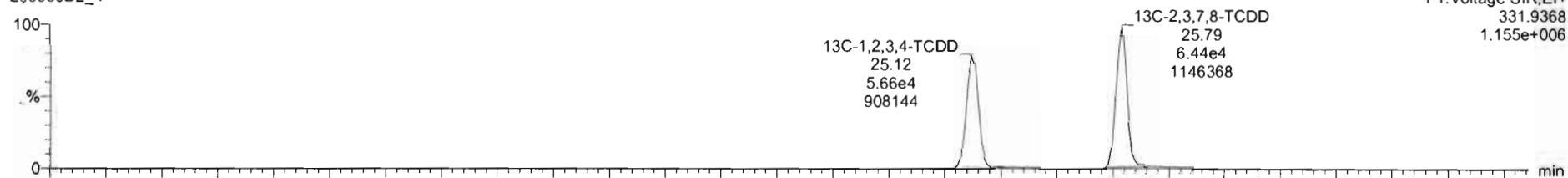
37Cl-2,3,7,8-TCDD

200930D2\_4

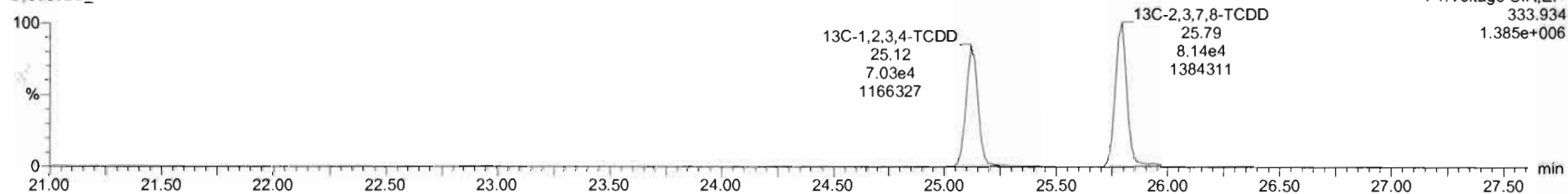


13C-1,2,3,4-TCDD

200930D2\_4



200930D2\_4

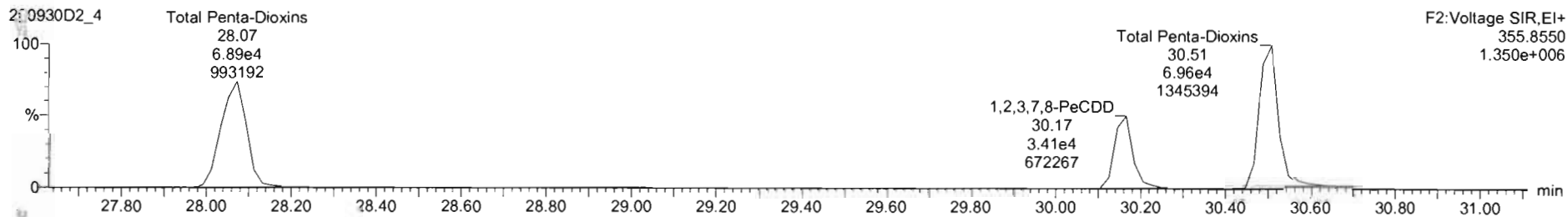
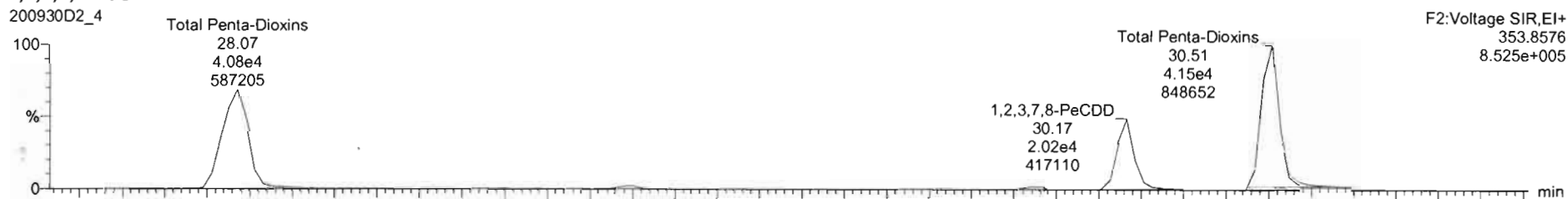


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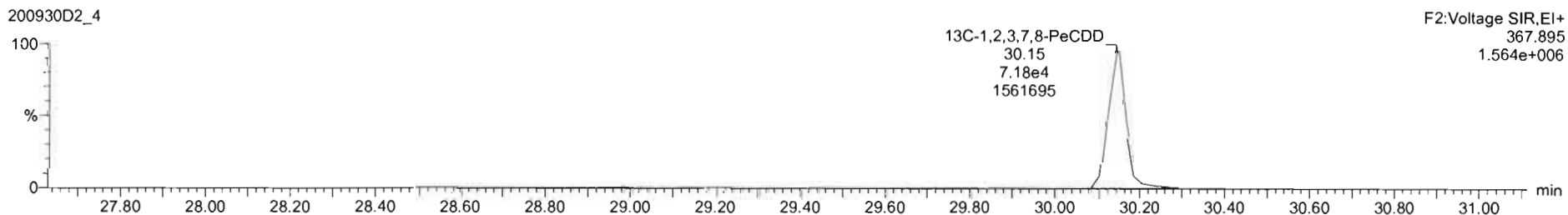
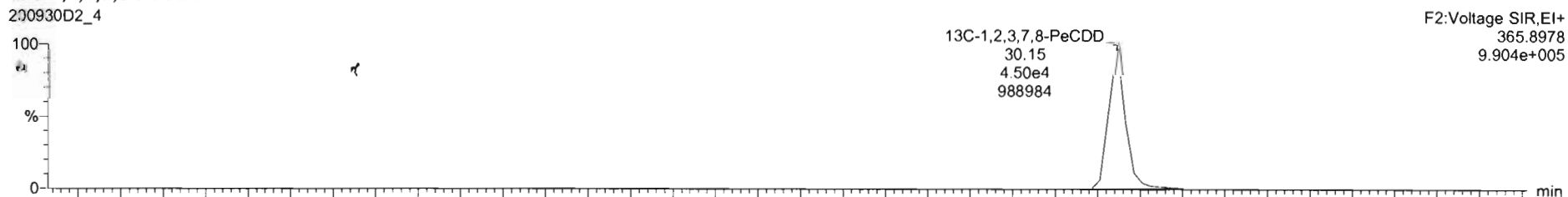
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

1,2,3,7,8-PeCDD



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



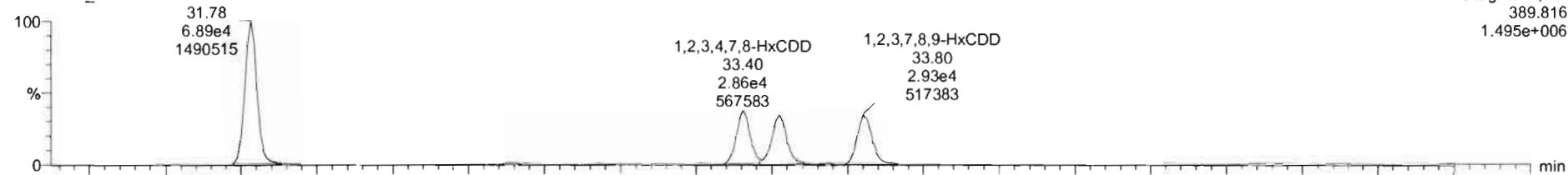
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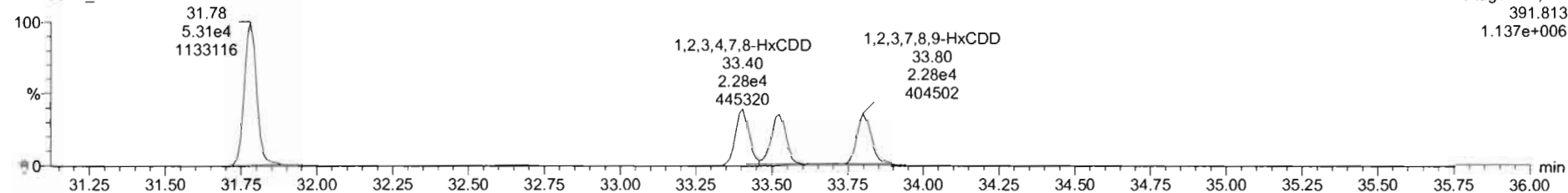
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1,2,3,4,7,8-HxCDD

200930D2\_4

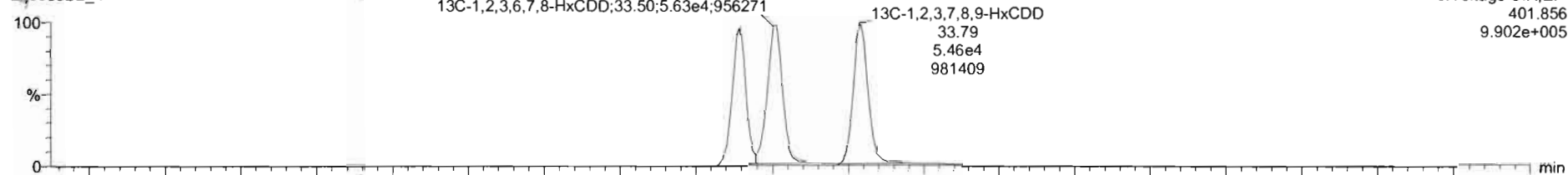


200930D2\_4

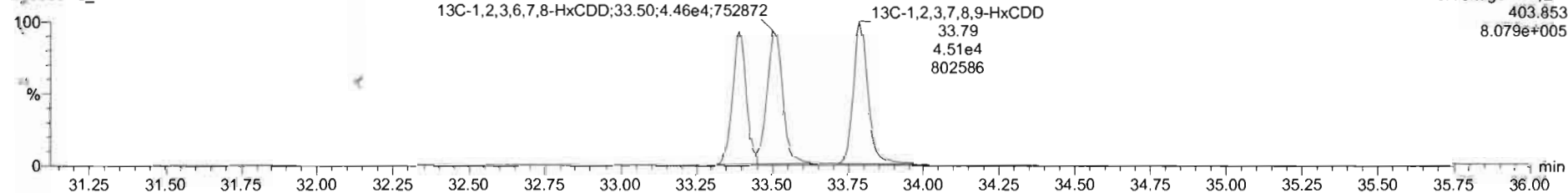


13C-1,2,3,4,7,8-HxCDD

200930D2\_4



200930D2\_4



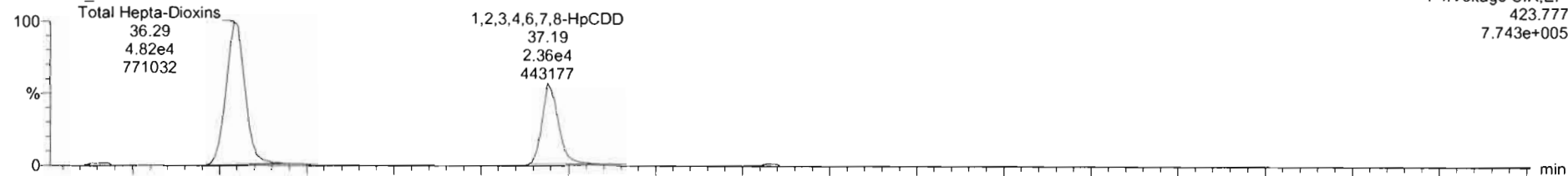
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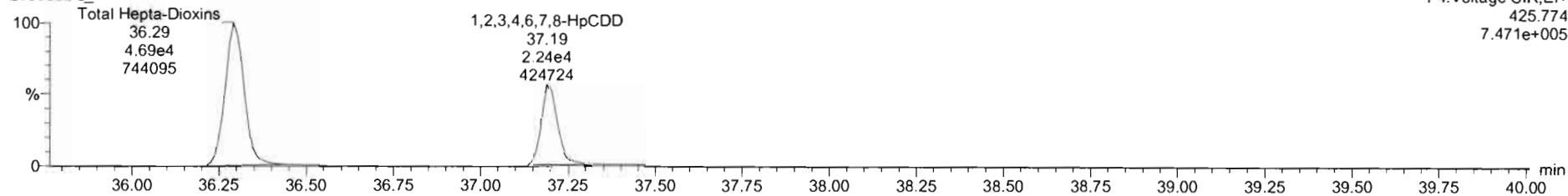
1,2,3,4,6,7,8-HpCDD

200930D2\_4



F4:Voltage SIR,EI+  
423.777  
7.743e+005

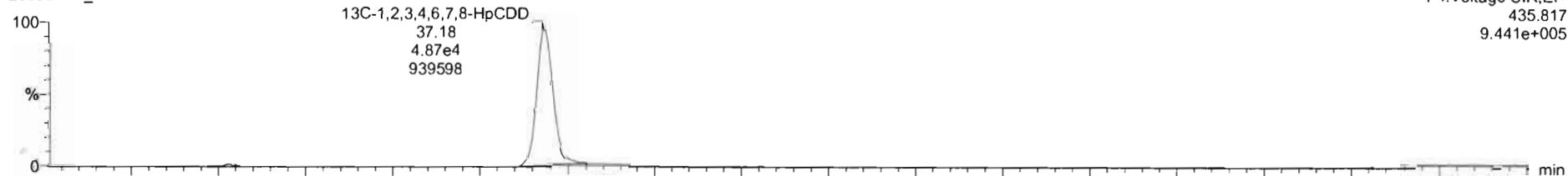
200930D2\_4



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425.774  
7.471e+005

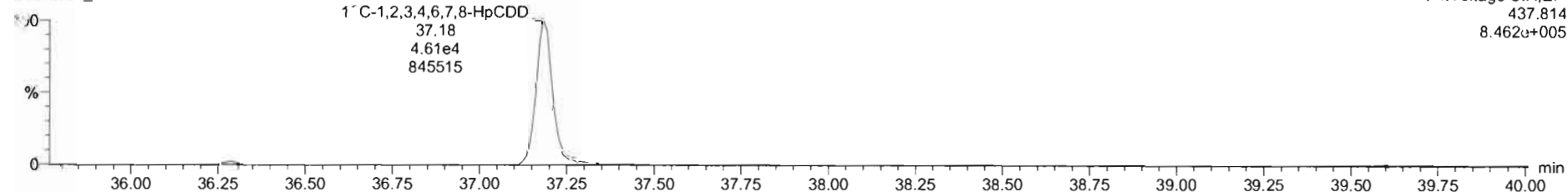
13C-1,2,3,4,6,7,8-HpCDD

200930D2\_4



F4:Voltage SIR,EI+  
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200930D2\_4

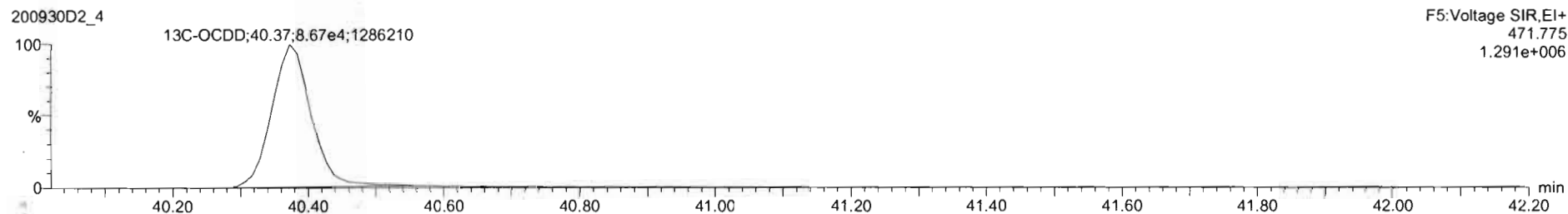
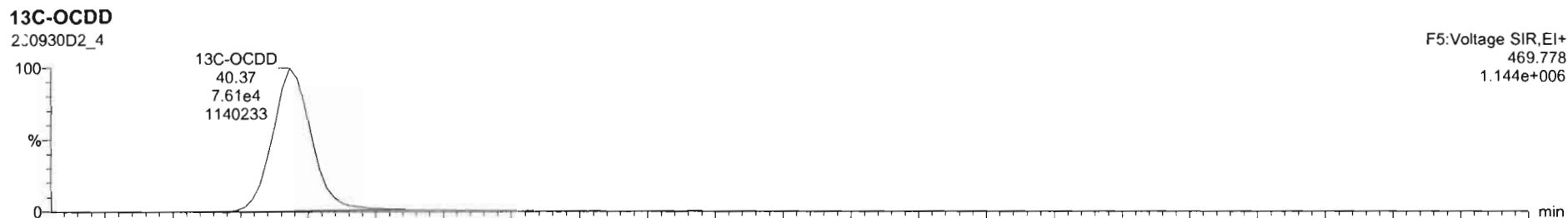
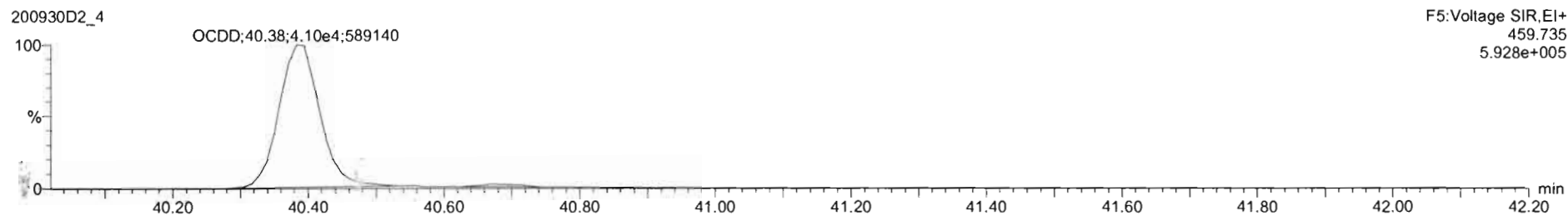
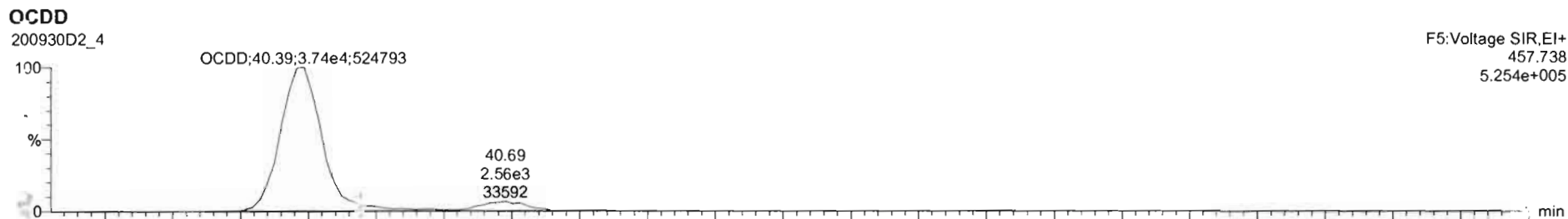


F4:Voltage SIR,EI+  
437.814  
8.462e+005

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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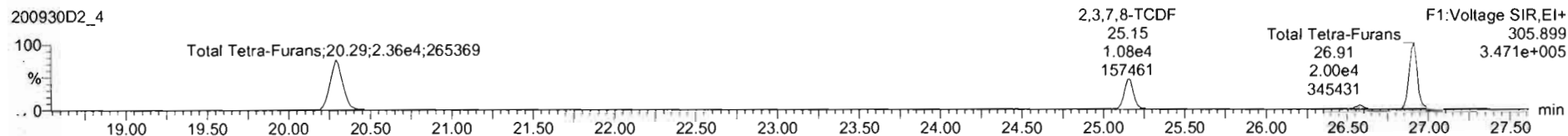
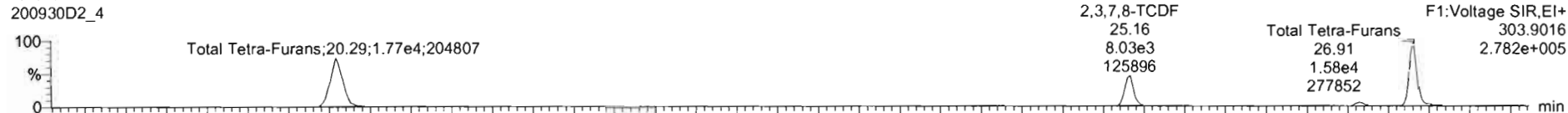


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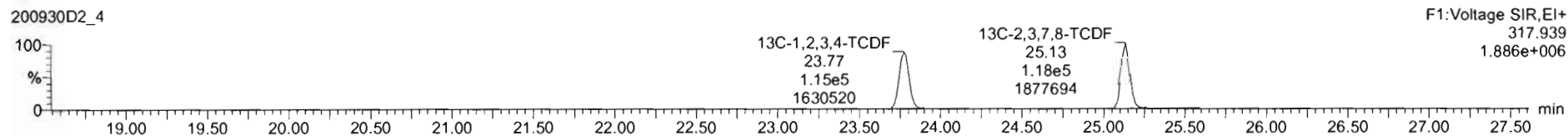
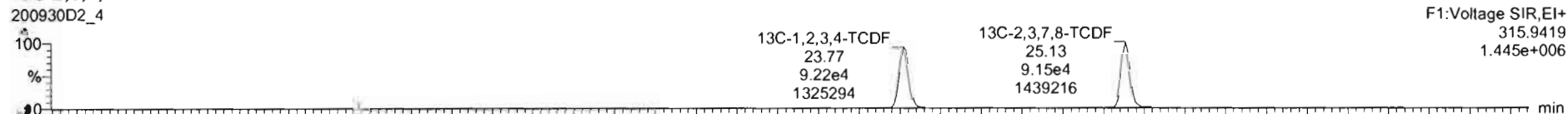
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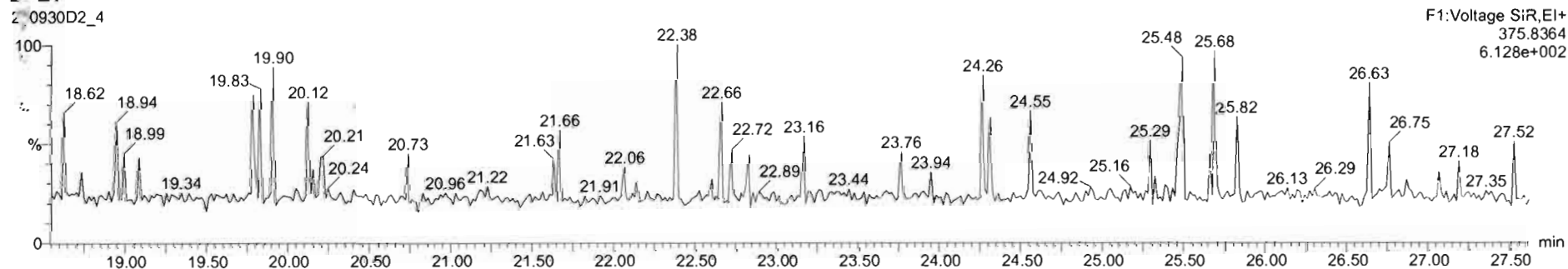
2,3,7,8-TCDF



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



DPE1



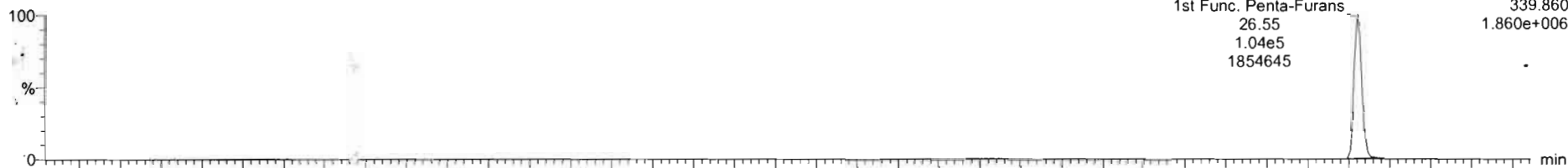
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

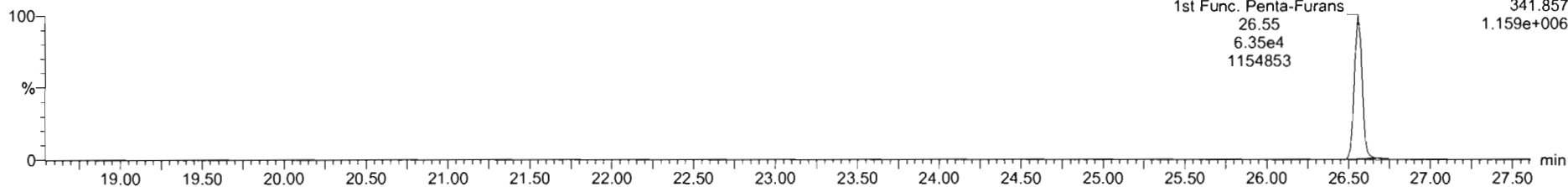
Name: 200930D2\_4, Date: 30-Sep-2020, Time: 14:23:39, ID: ST200930D2-4 1613 CS3 20F1105, Description: 1613 CS3 20F1105

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200930D2\_4

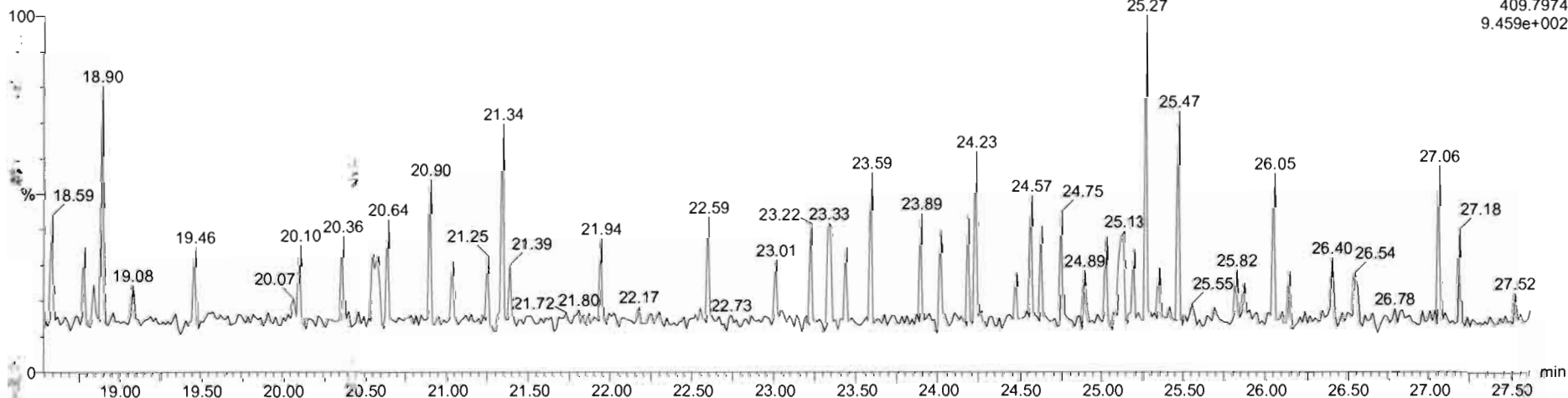


200930D2\_4



DPE6

200930D2\_4



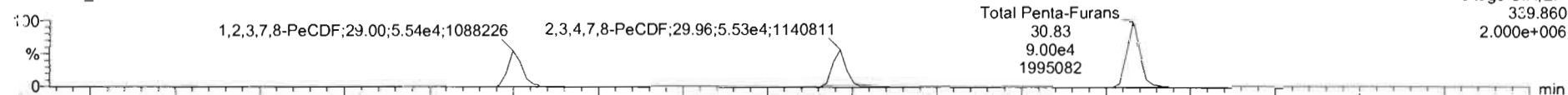
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

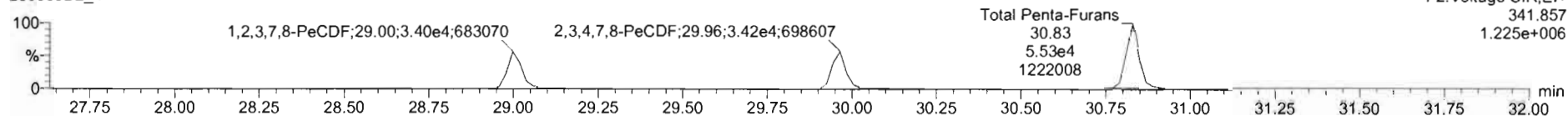
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1,2,3,7,8-PeCDF

200930D2\_4

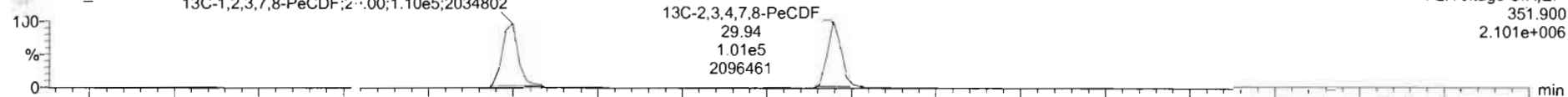


200930D2\_4

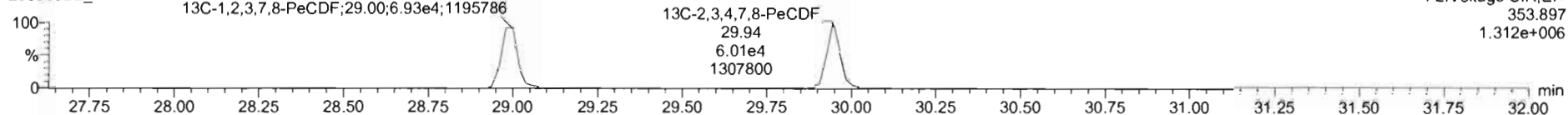


13C-1,2,3,7,8-PeCDF

200930D2\_4

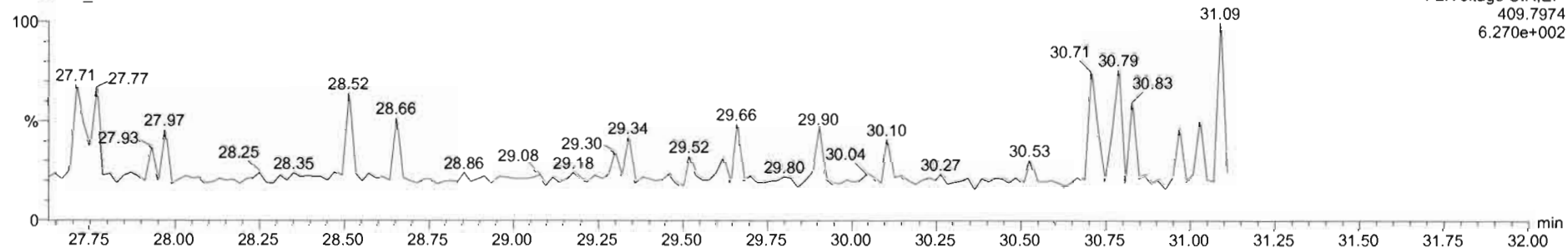


200930D2\_4



DPE2

200930D2\_4

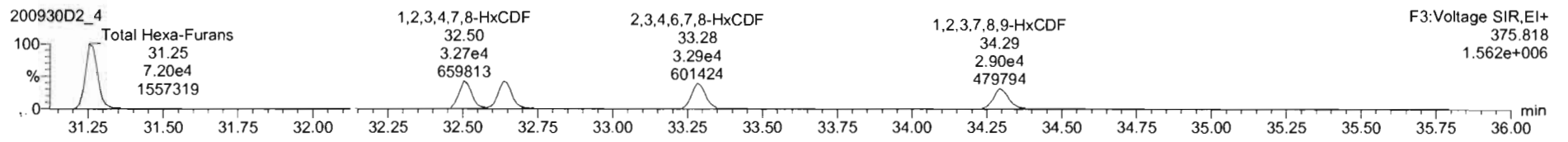
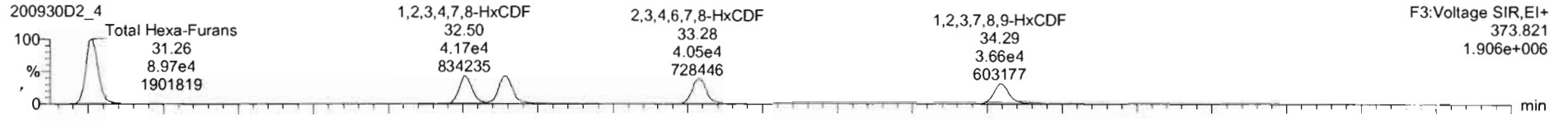


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

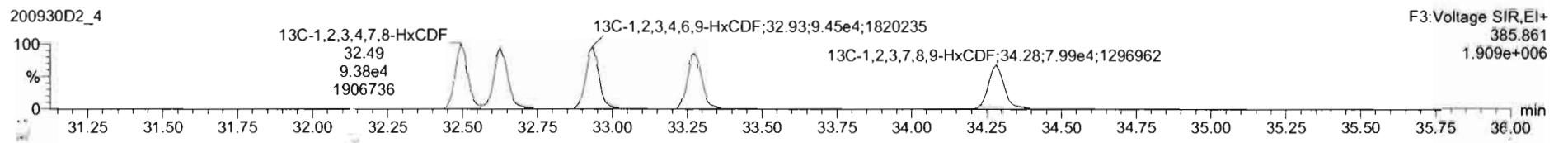
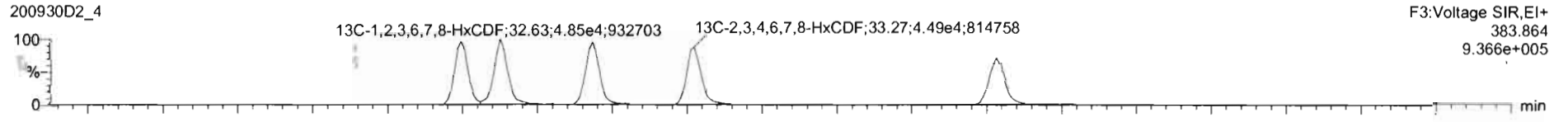
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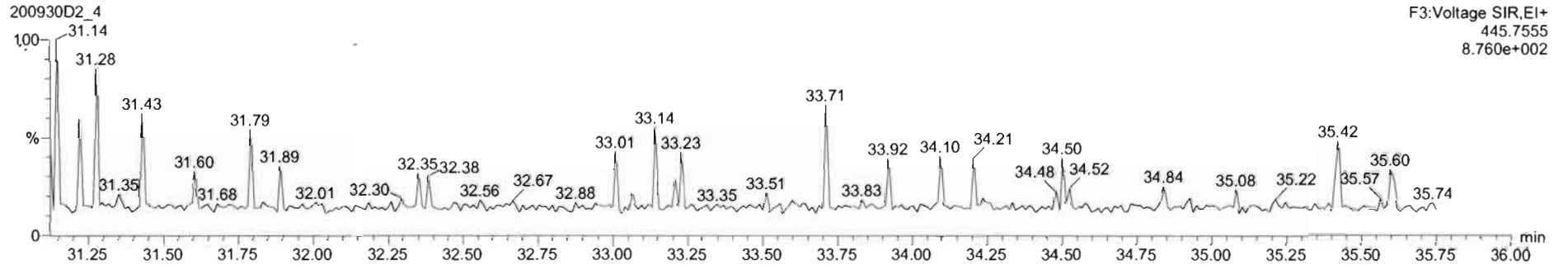
1,2,3,4,7,8-HxCDF



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



DPE3

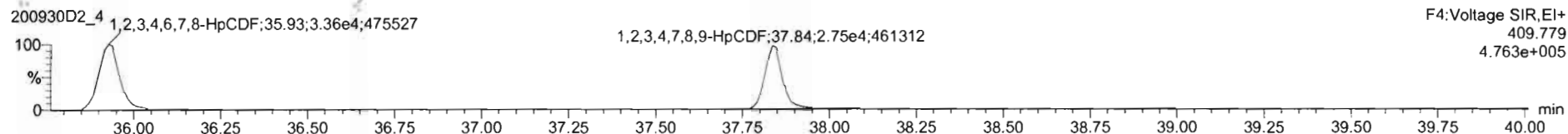
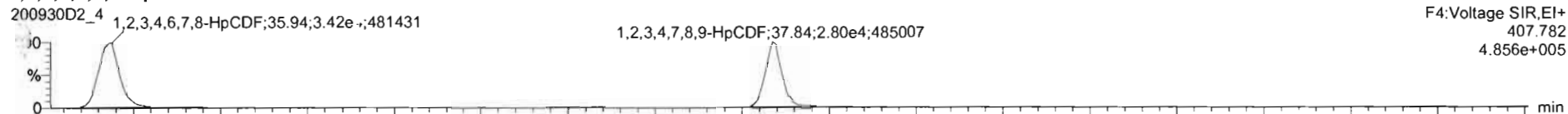


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

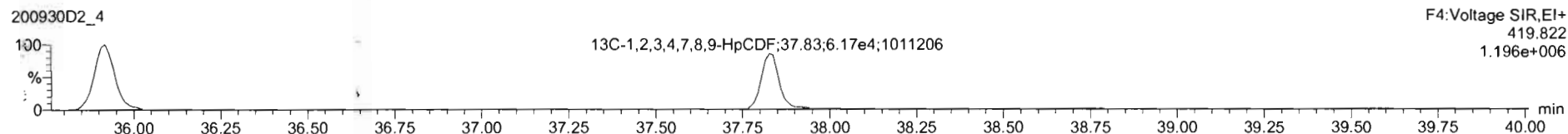
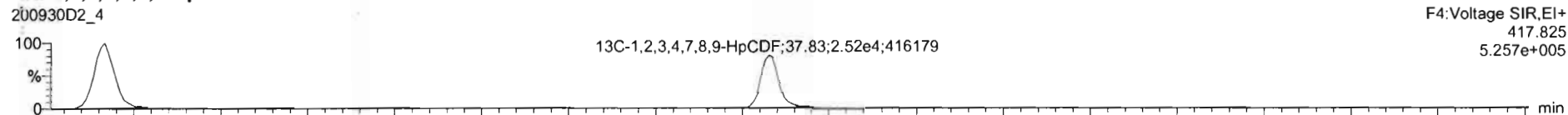
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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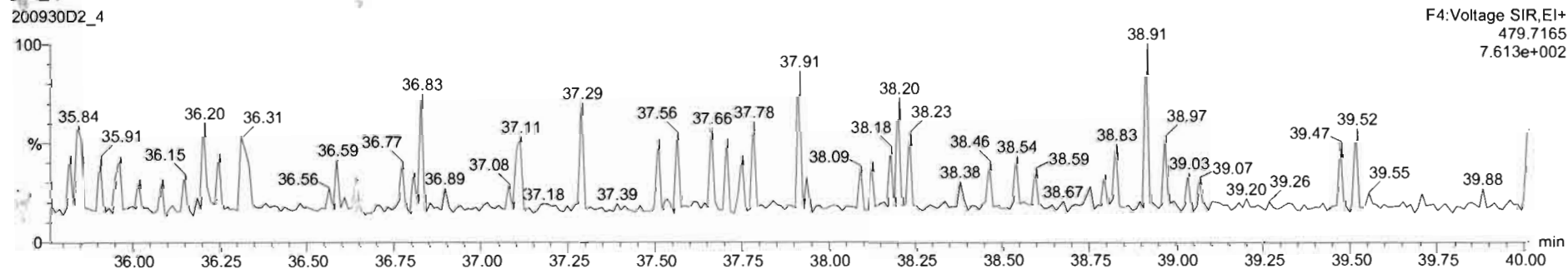
1,2,3,4,6,7,8-HpCDF



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



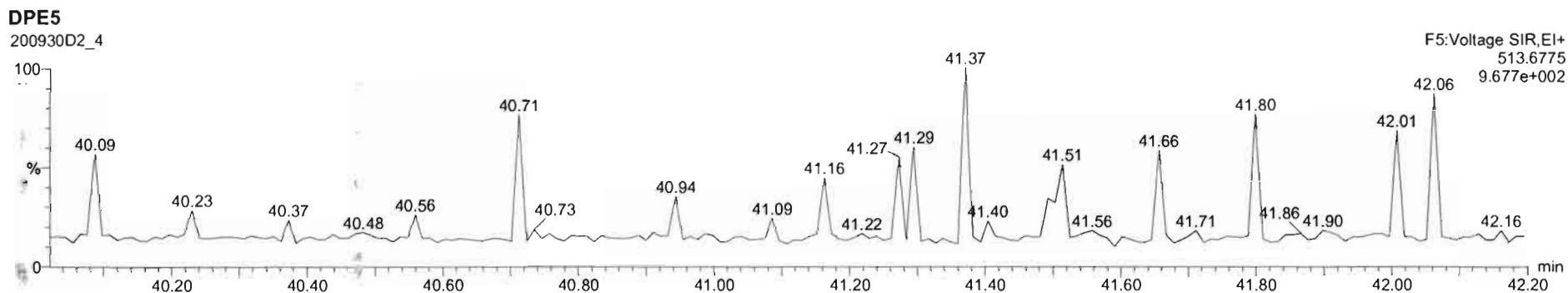
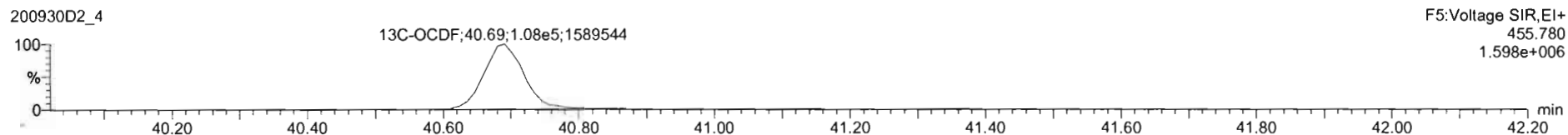
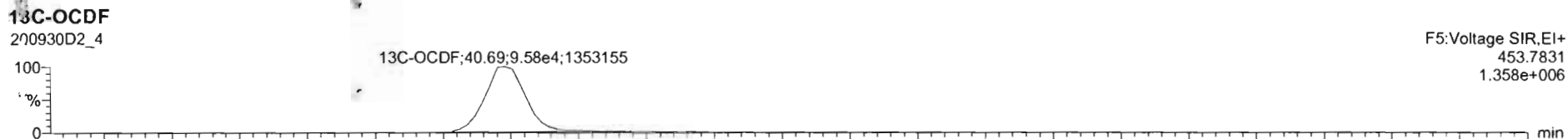
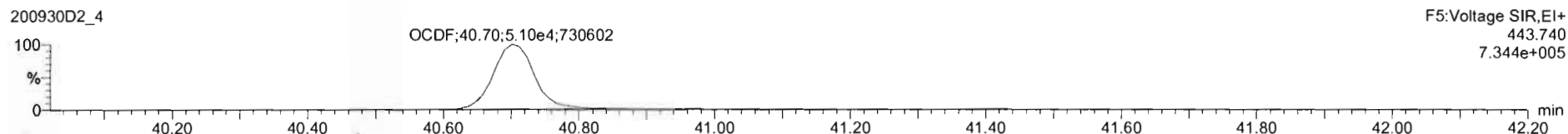
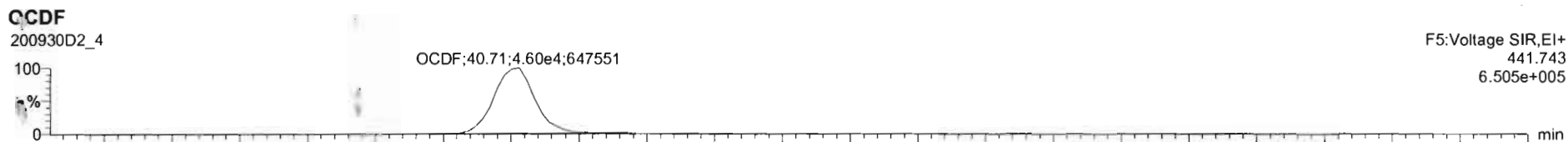
PE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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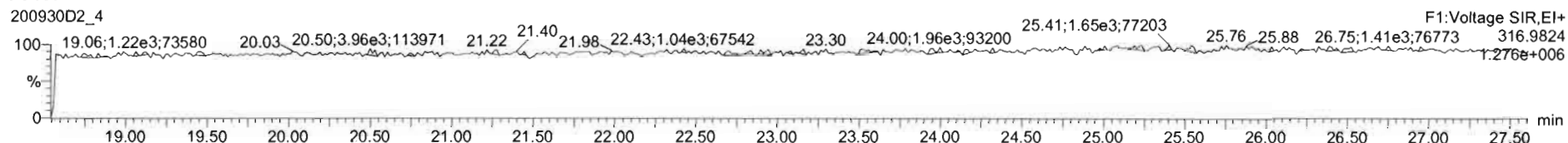


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

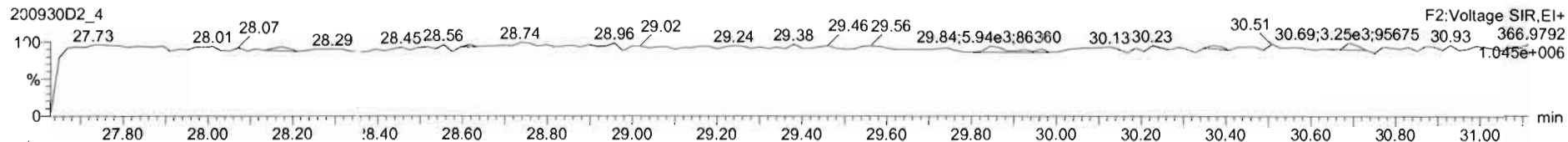
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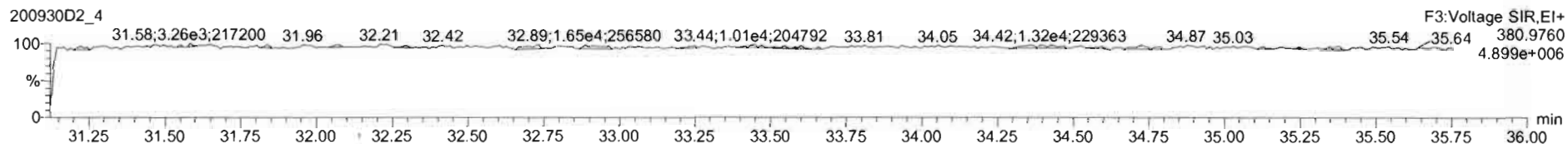
PFK1



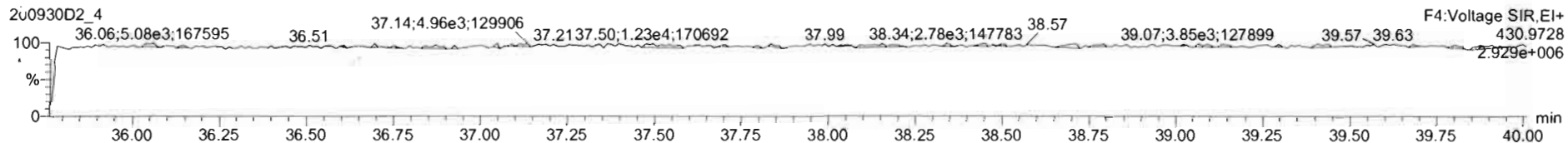
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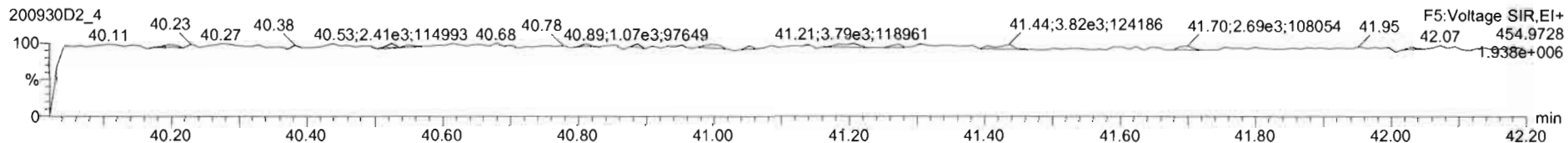
PFK3



PFK4



PFK5



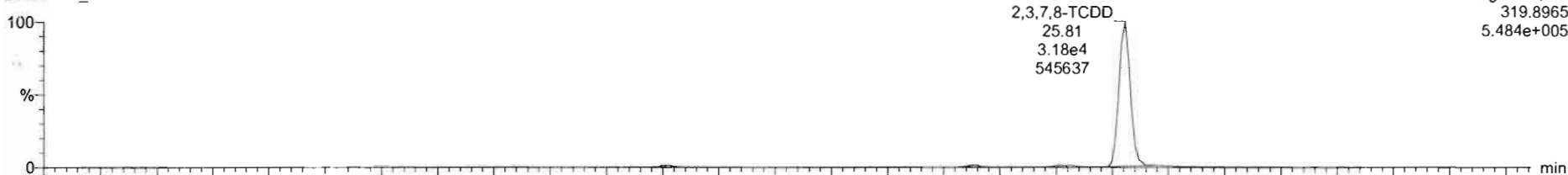
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

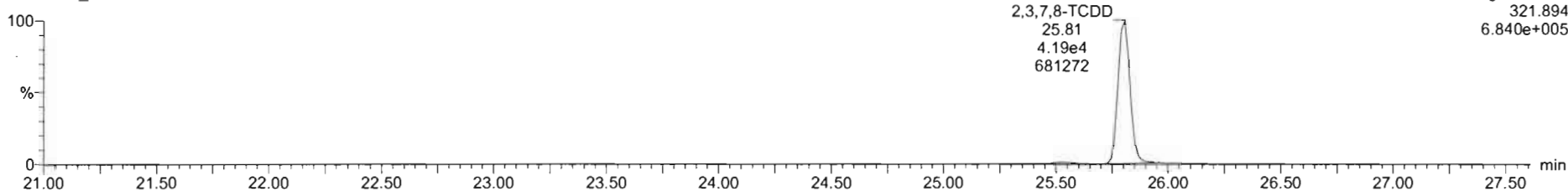
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**2,3,7,8-TCDD**

200930D2\_5

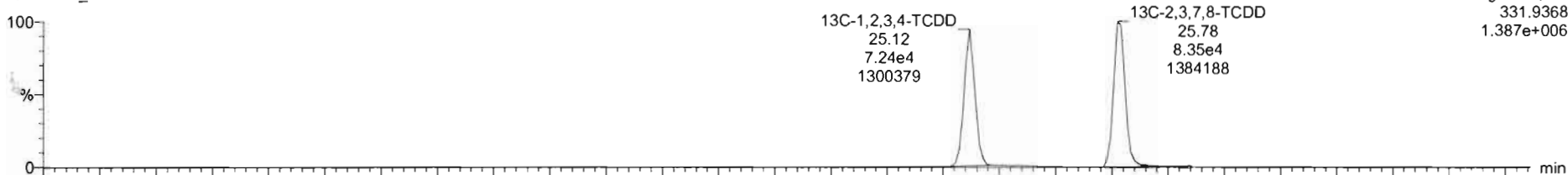


200930D2\_5

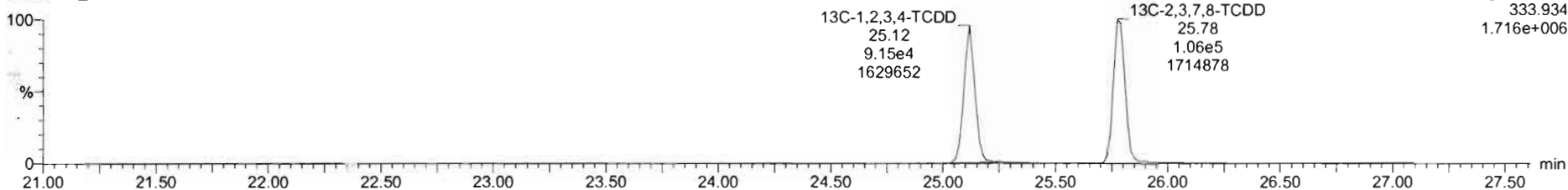


**13C-2,3,7,8-TCDD**

200930D2\_5



200930D2\_5





Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

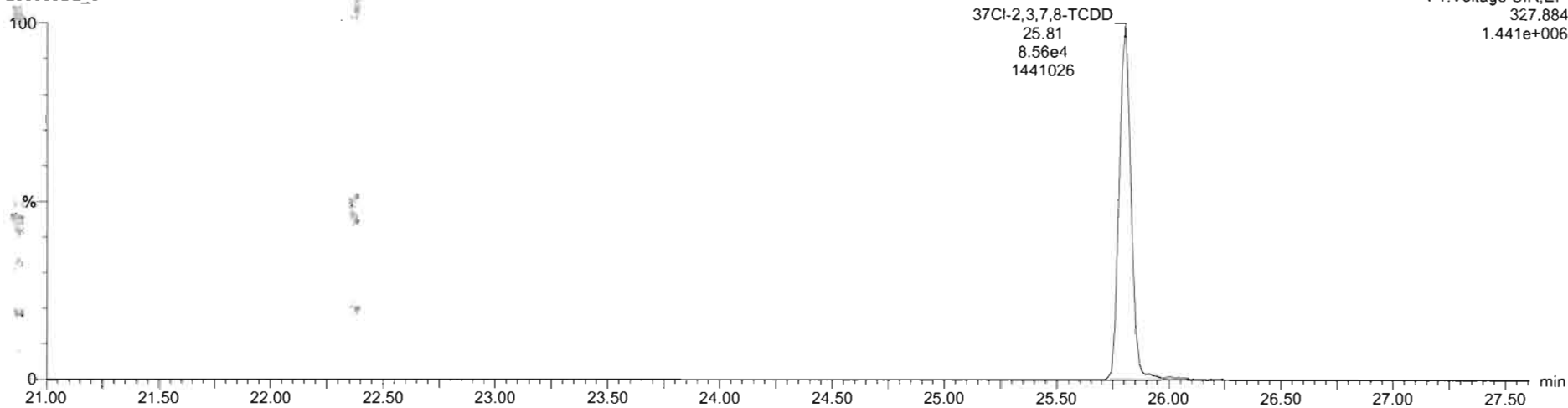
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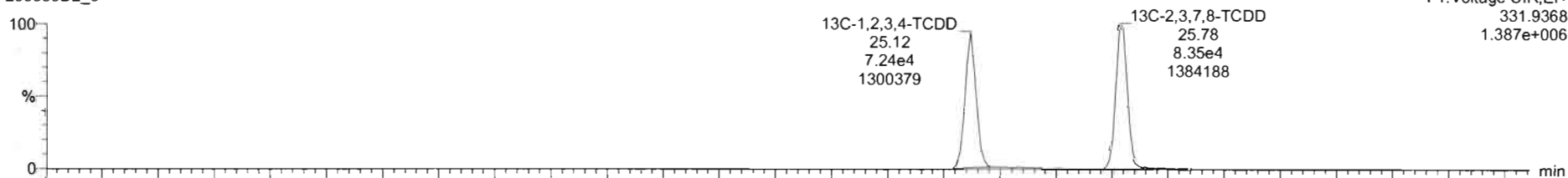
37Cl-2,3,7,8-TCDD

200930D2\_5

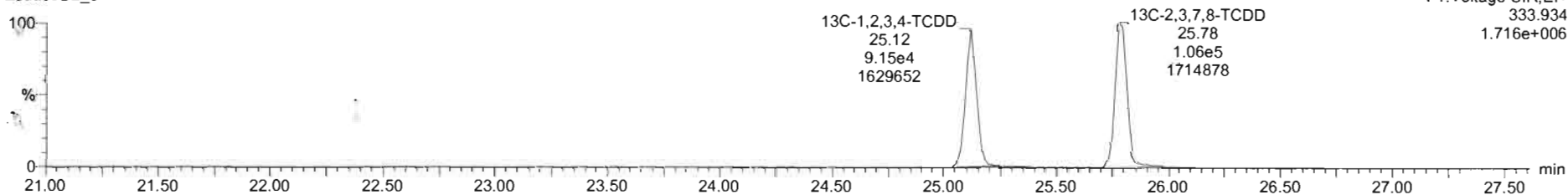


13C-1,2,3,4-TCDD

200930D2\_5



200930D2\_5



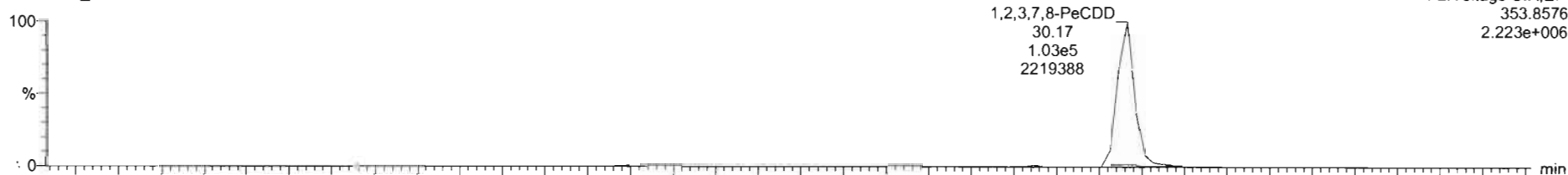
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

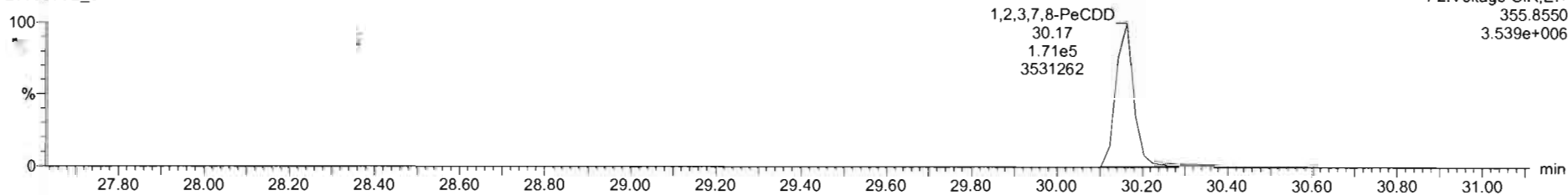
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1,2,3,7,8-PeCDD

200930D2\_5

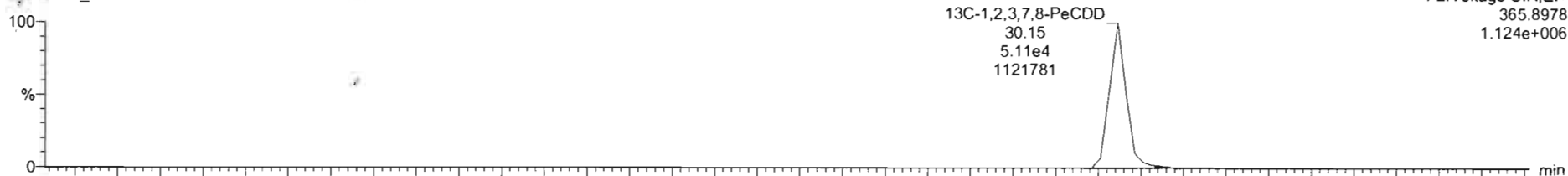


200930D2\_5

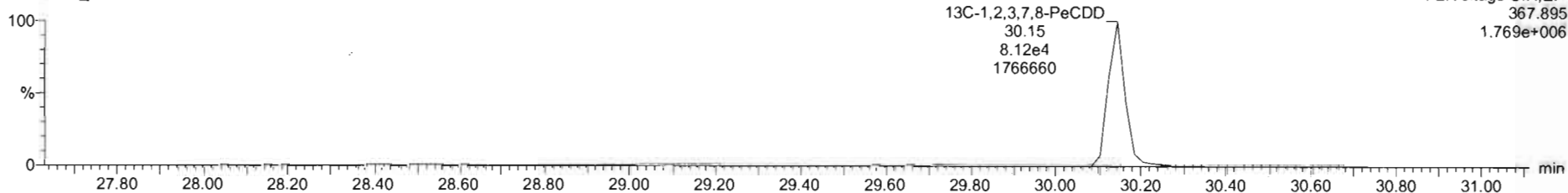


<sup>13</sup>C-1,2,3,7,8-PeCDD

200930D2\_5



200930D2\_5



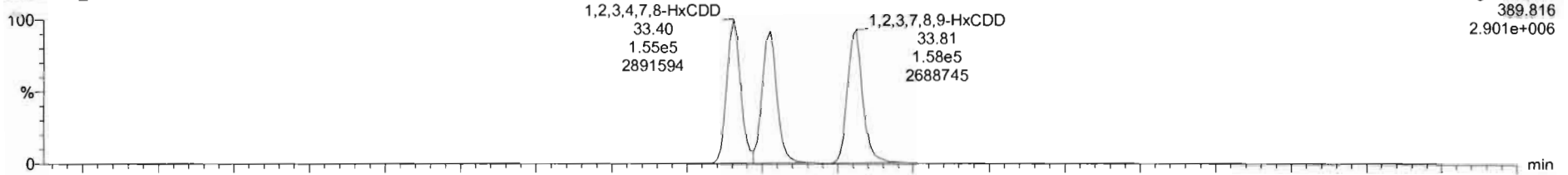
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

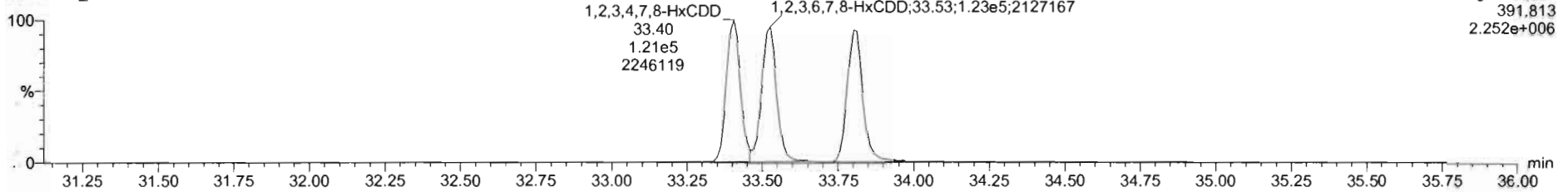
Name: 200930D2\_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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

200930D2\_5

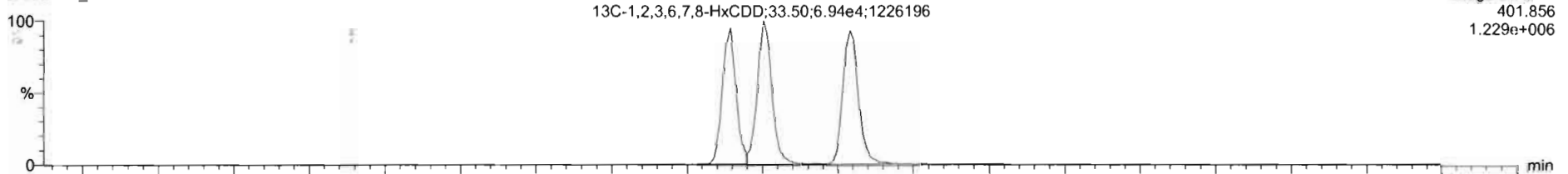


200930D2\_5

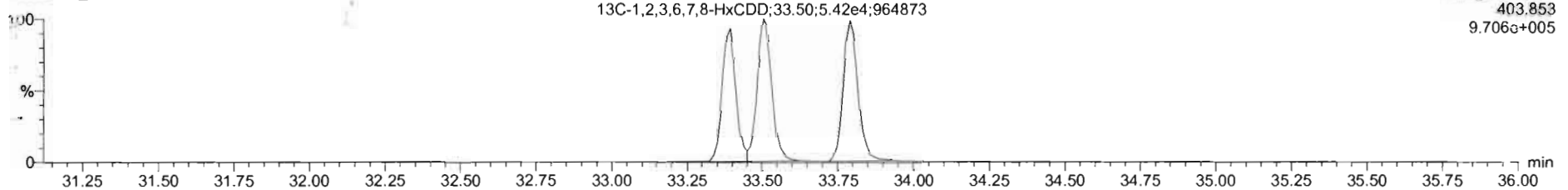


**13C-1,2,3,4,7,8-HxCDD**

200930D2\_5



200930D2\_5



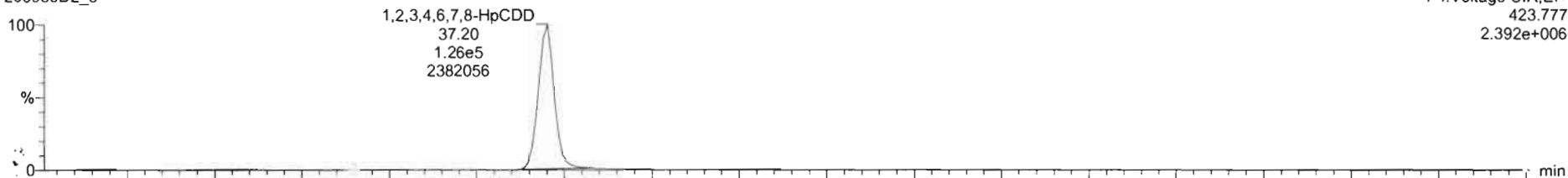
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

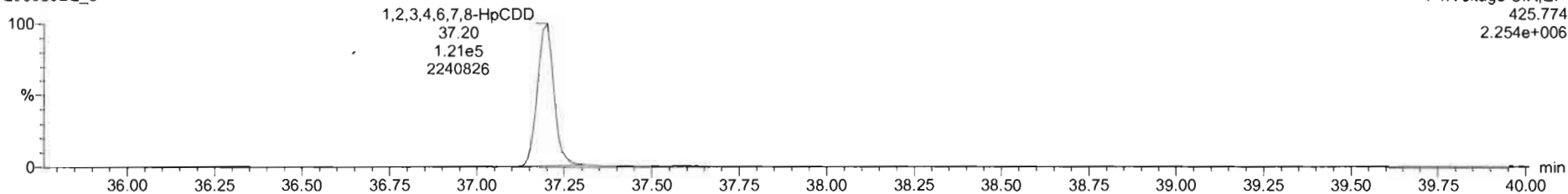
1,2,3,4,6,7,8-HpCDD

200930D2\_5



F4:Voltage SIR,EI+  
423.777  
2.392e+006

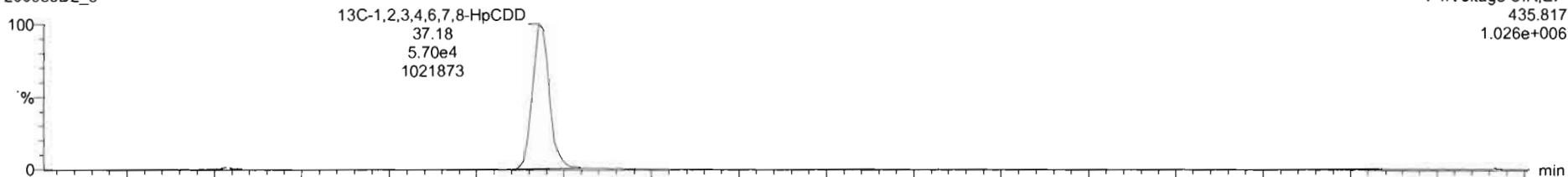
200930D2\_5



F4:Voltage SIR,EI+  
425.774  
2.254e+006

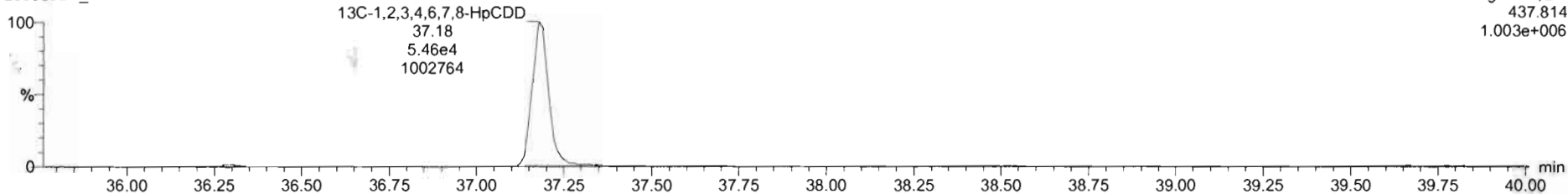
13C-1,2,3,4,6,7,8-HpCDD

200930D2\_5



F4:Voltage SIR,EI+  
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1.026e+006

200930D2\_5

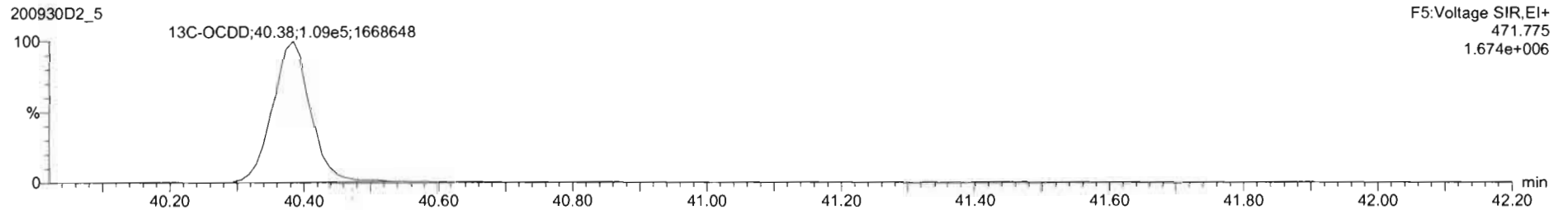
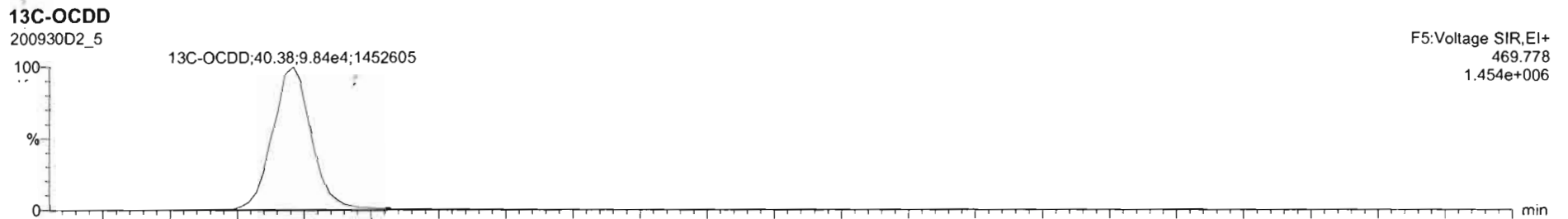
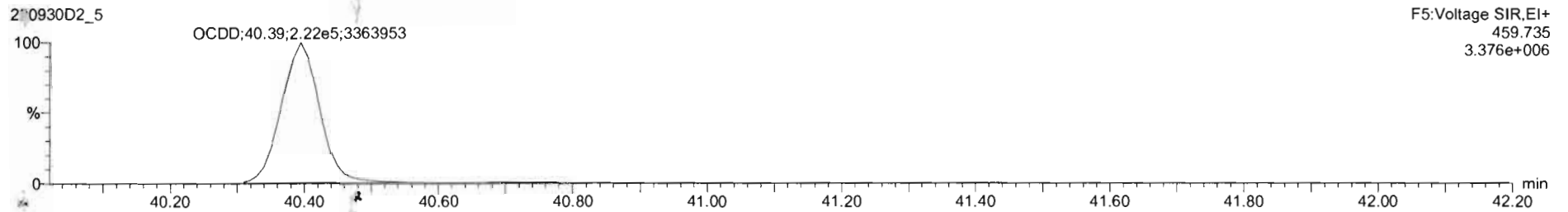
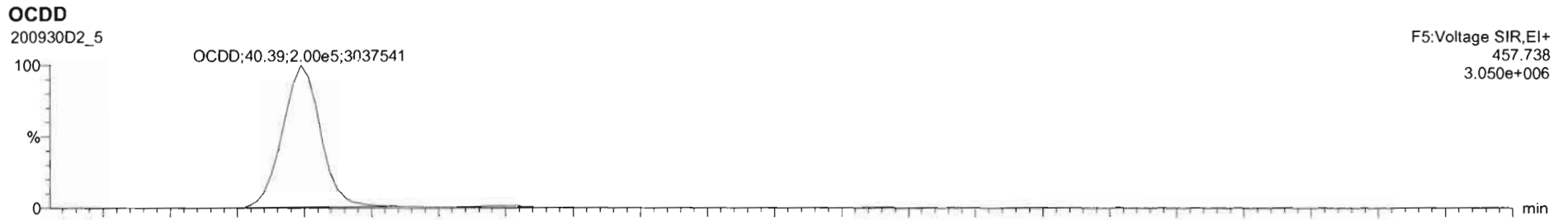


F4:Voltage SIR,EI+  
437.814  
1.003e+006

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

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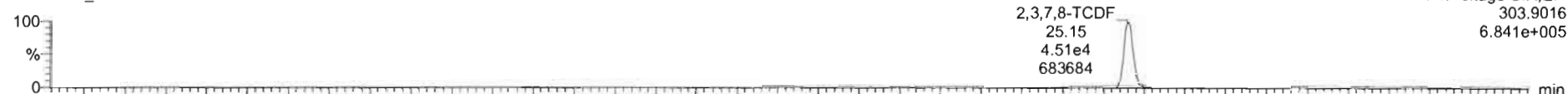
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

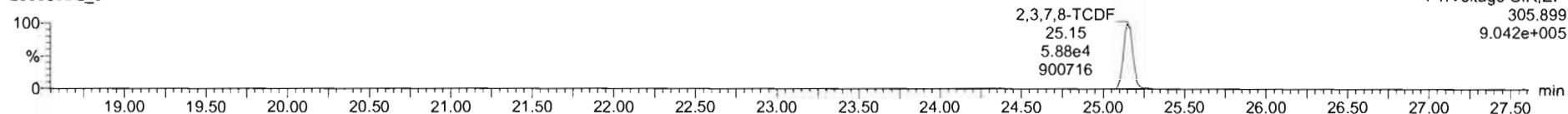
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**2,3,7,8-TCDF**

200930D2\_5

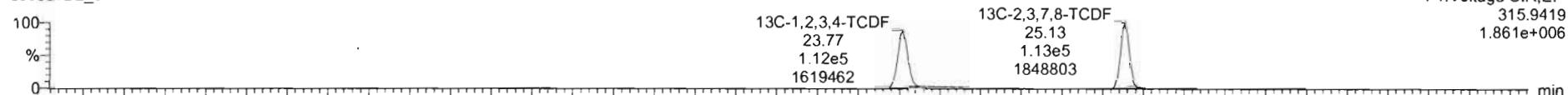


200930D2\_5

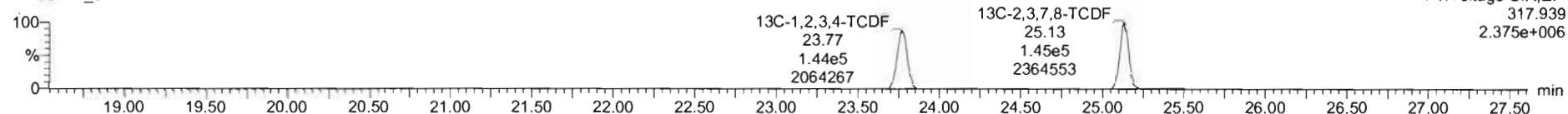


**13C-2,3,7,8-TCDF**

200930D2\_5

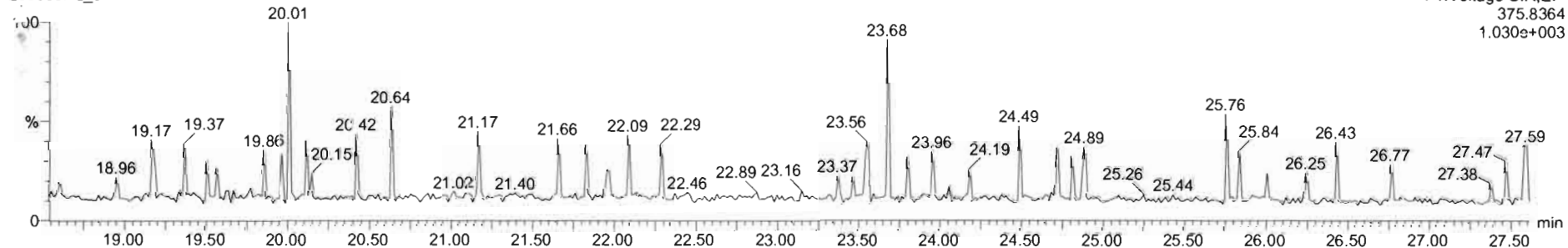


200930D2\_5



**DPE1**

200930D2\_5



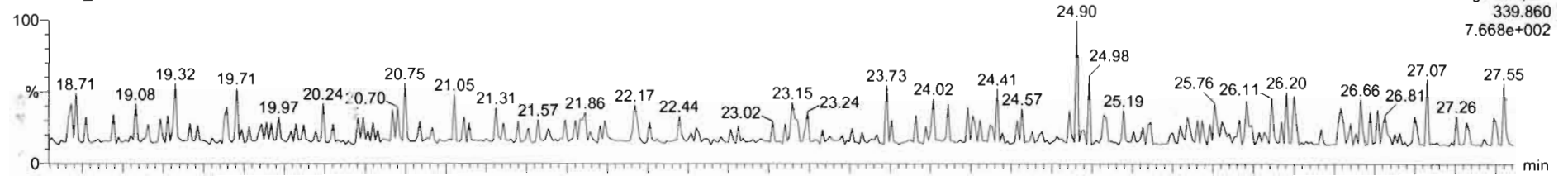
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

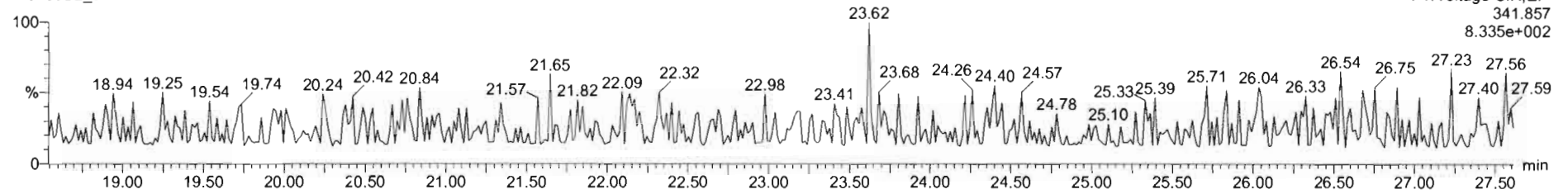
Name: 200930D2\_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106

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200930D2\_5

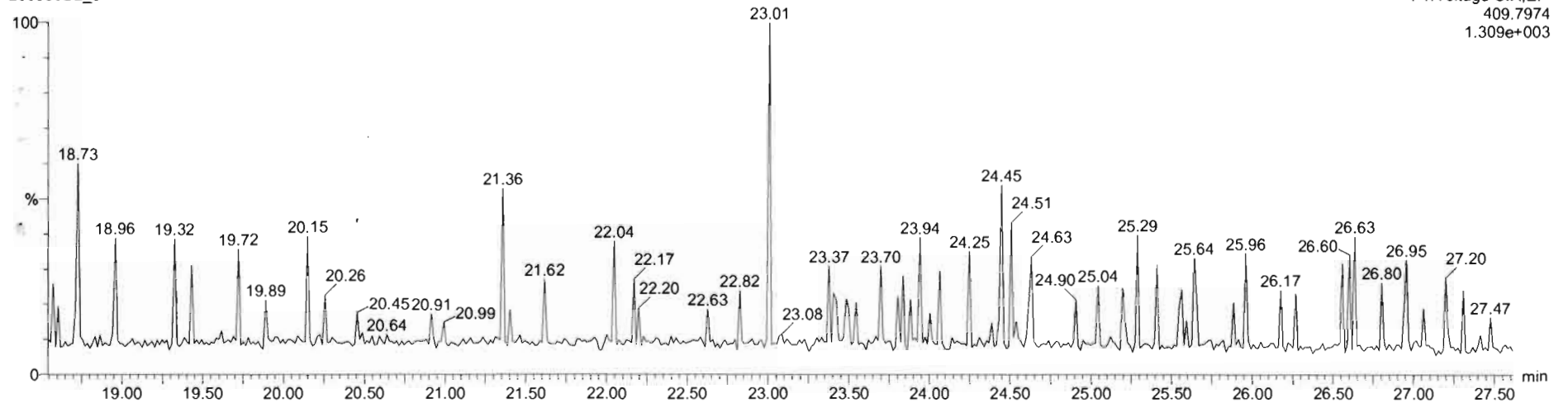


200930D2\_5



DPE6

200930D2\_5



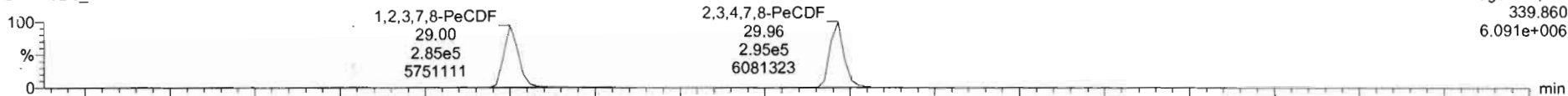
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

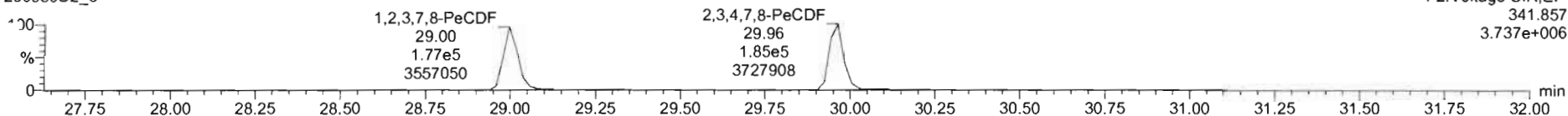
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1,2,3,7,8-PeCDF

200930D2\_5

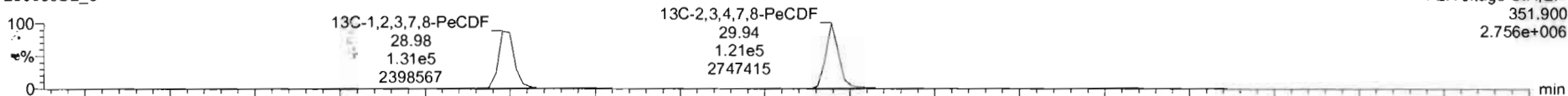


200930D2\_5

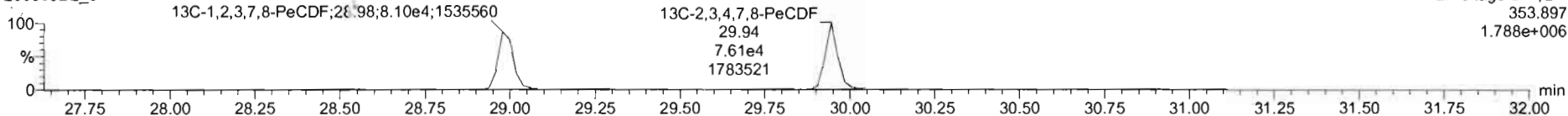


13C-1,2,3,7,8-PeCDF

200930D2\_5

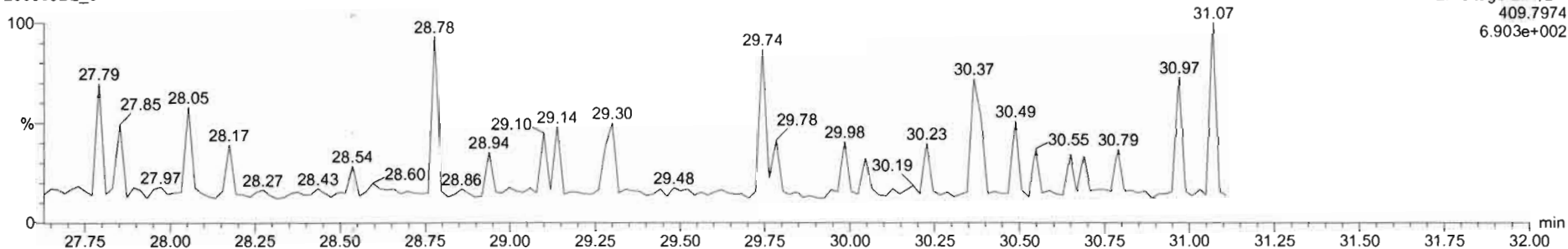


200930D2\_5



DPE2

200930D2\_5





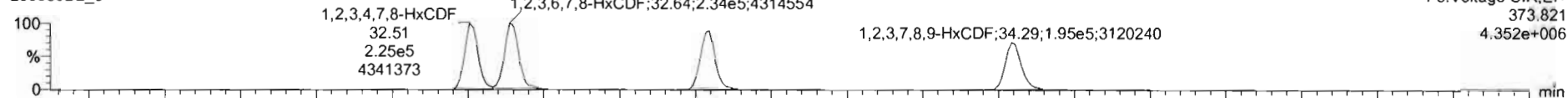
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

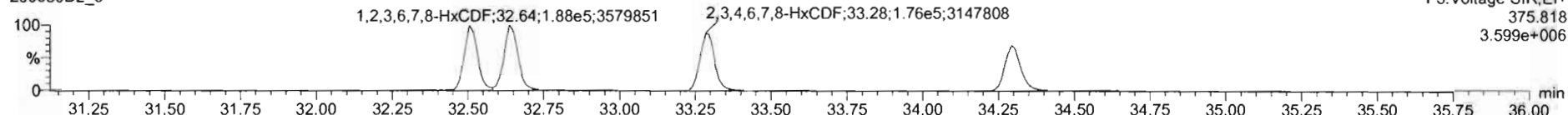
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1,2,3,4,7,8-HxCDF

200930D2\_5

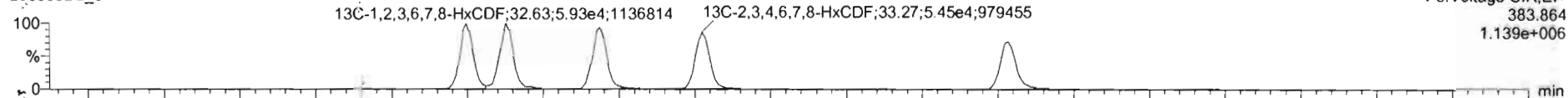


200930D2\_5

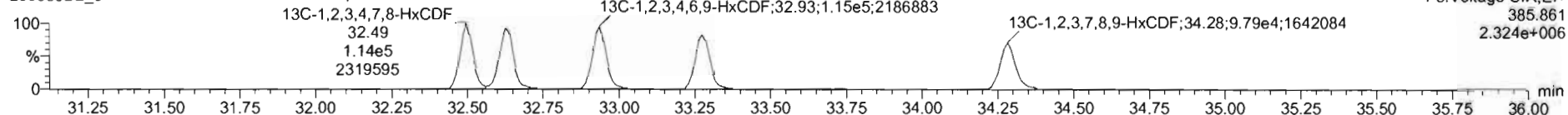


13C-1,2,3,4,7,8-HxCDF

200930D2\_5

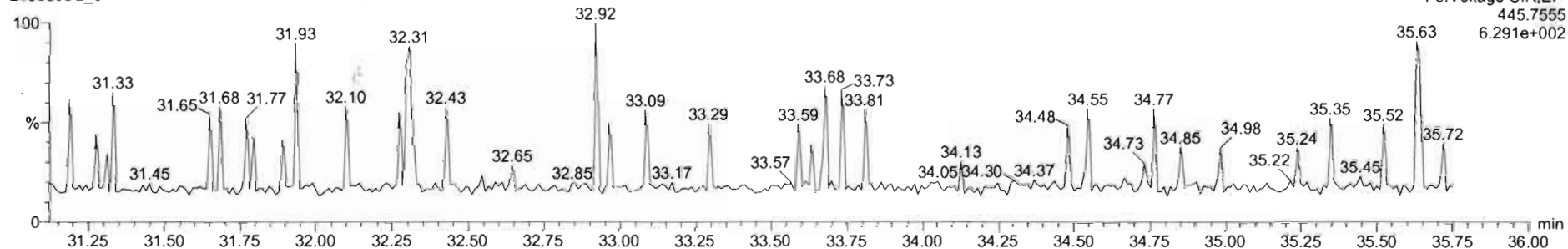


200930D2\_5



DPE3

200930D2\_5

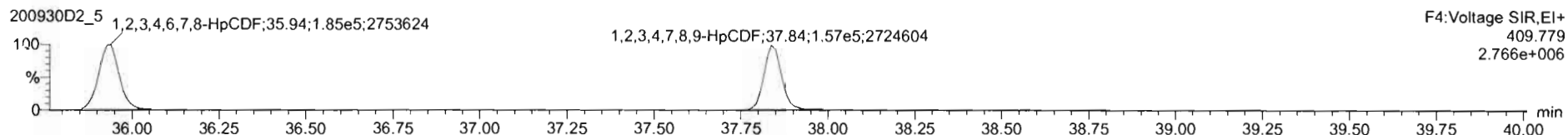
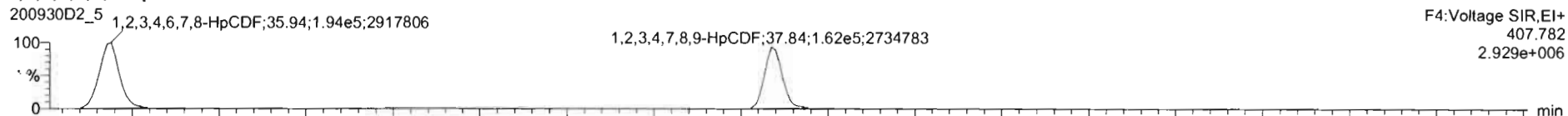


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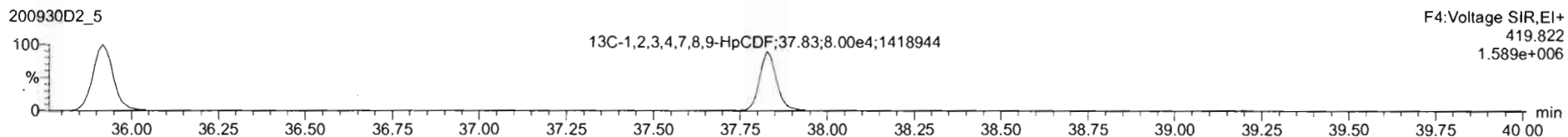
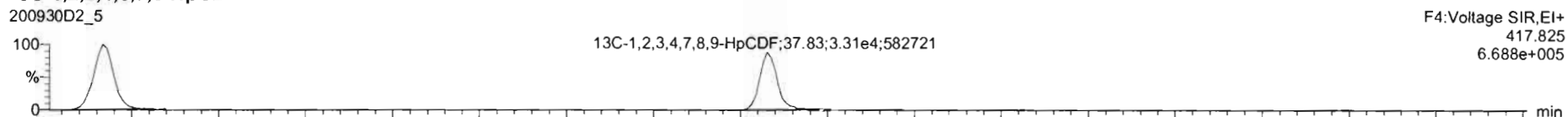
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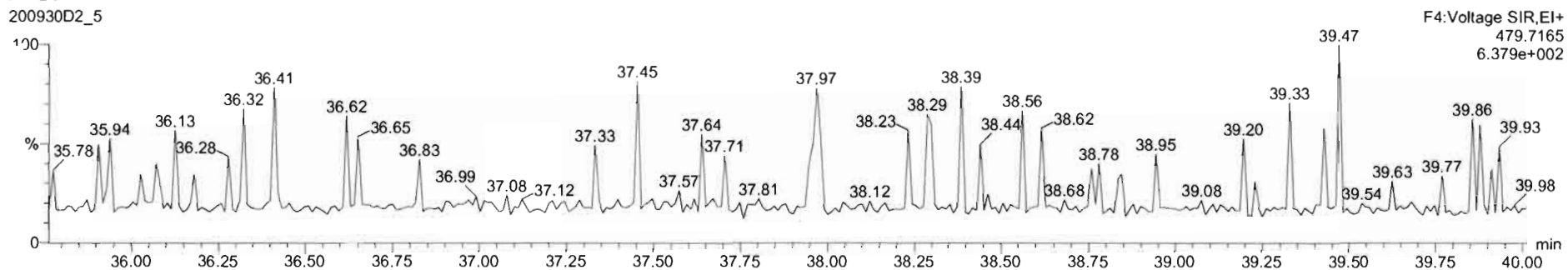
1,2,3,4,6,7,8-HpCDF



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



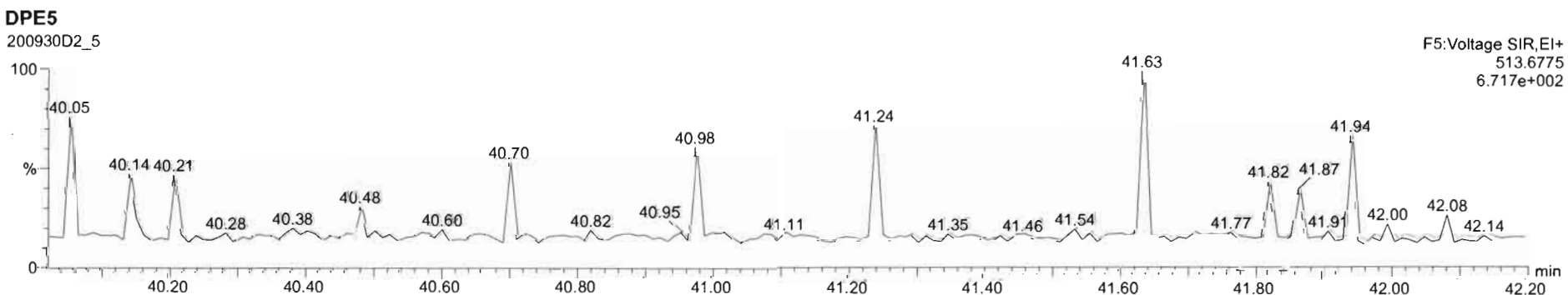
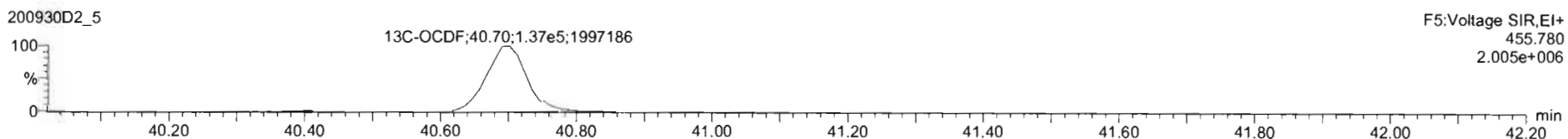
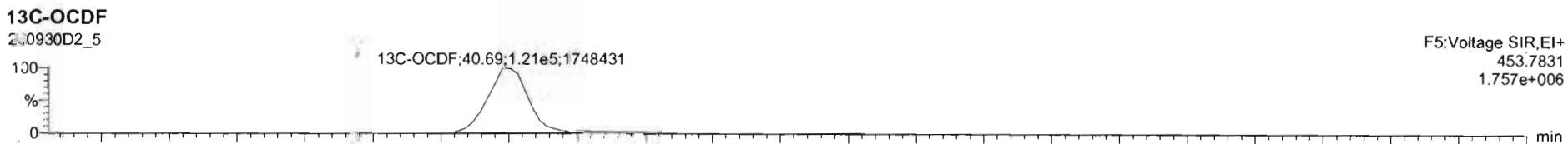
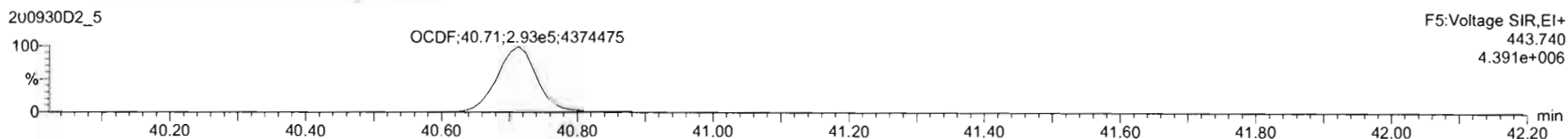
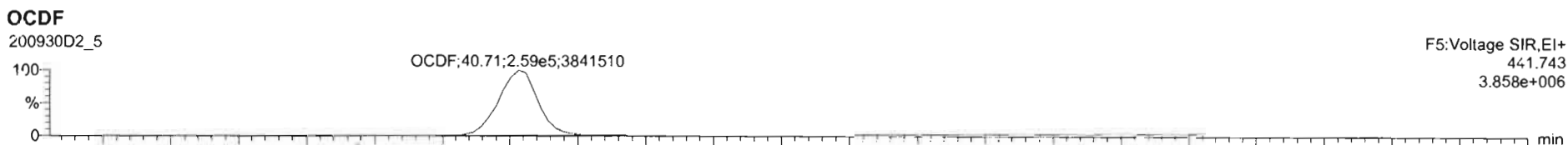
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

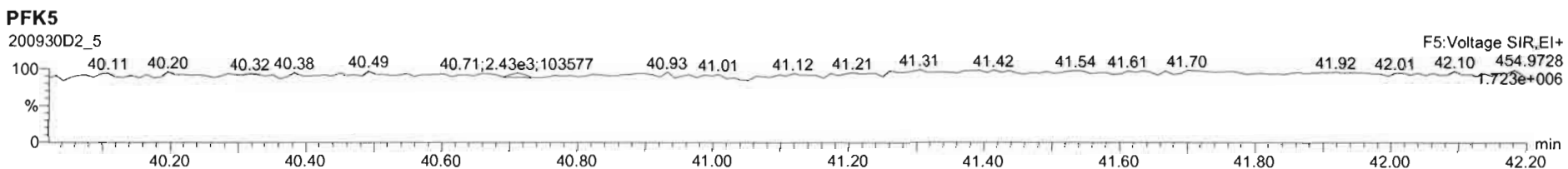
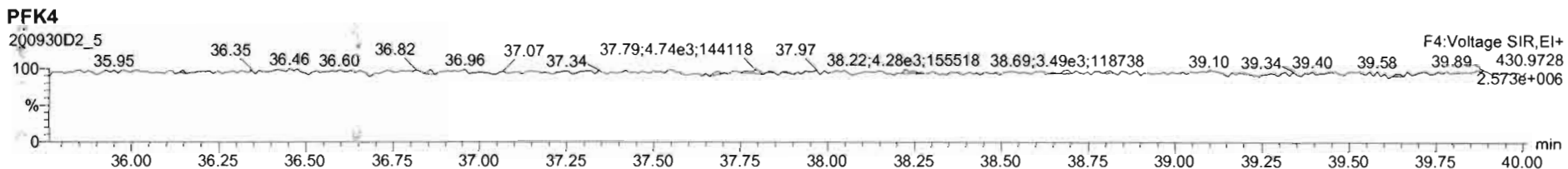
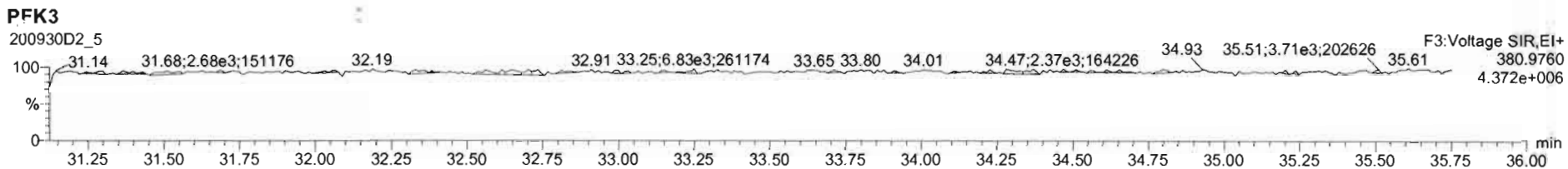
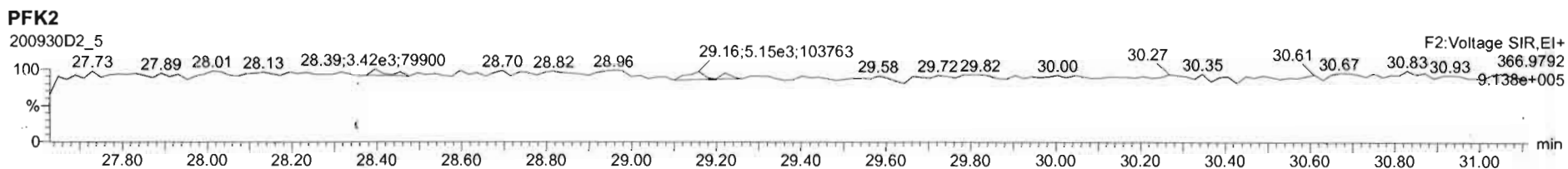
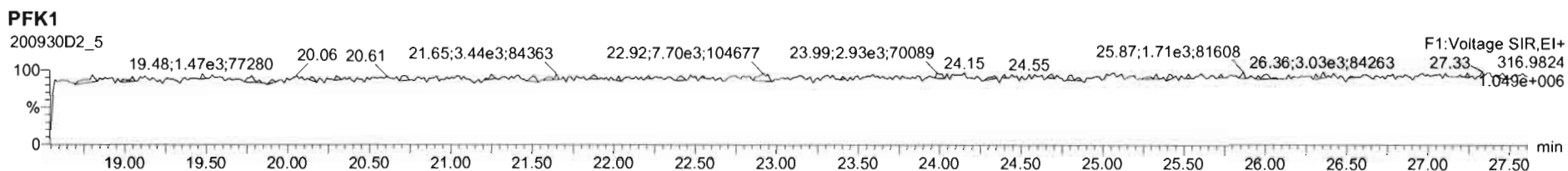
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Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_5, Date: 30-Sep-2020, Time: 15:49:01, ID: ST200930D2-5 1613 CS4 20F1106, Description: 1613 CS4 20F1106



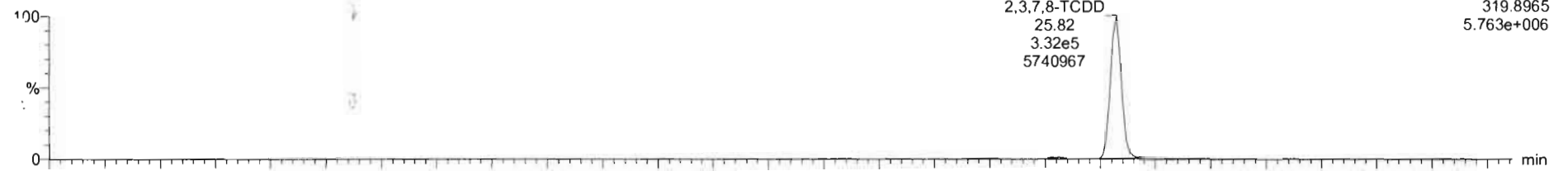
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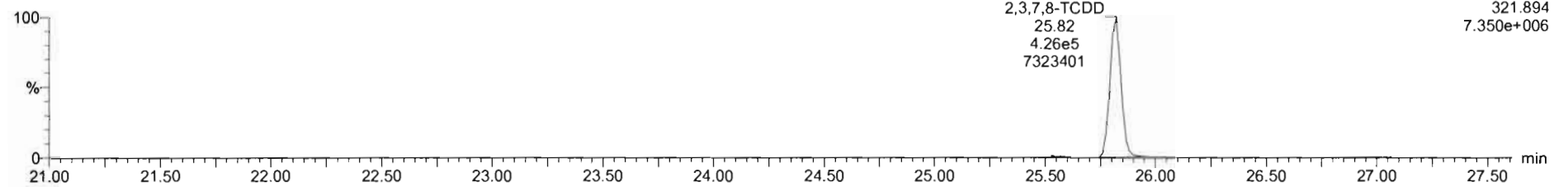
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**2,3,7,8-TCDD**

200930D2\_6

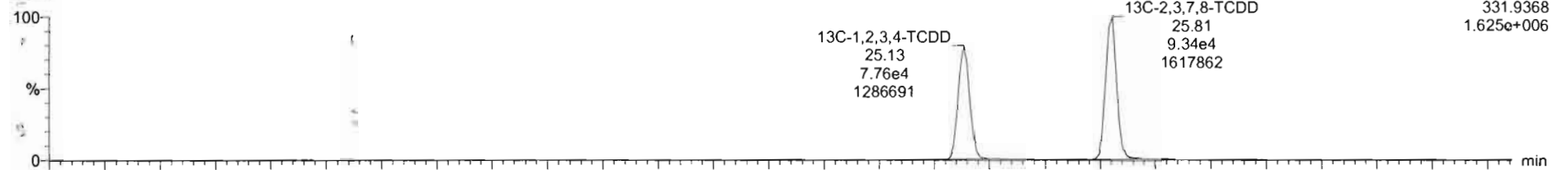


200930D2\_6

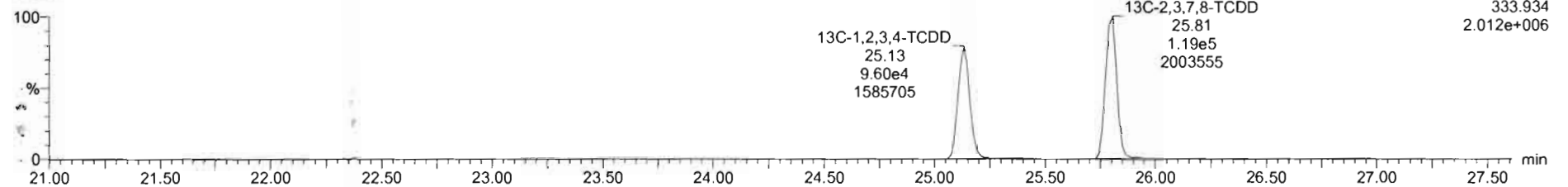


**13C-2,3,7,8-TCDD**

200930D2\_6



200930D2\_6

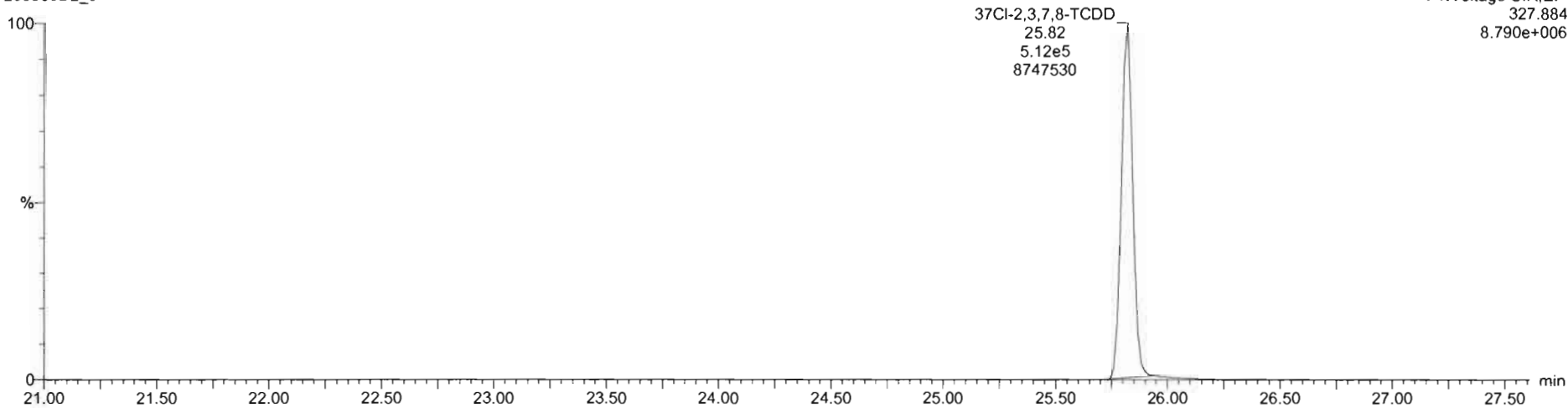


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

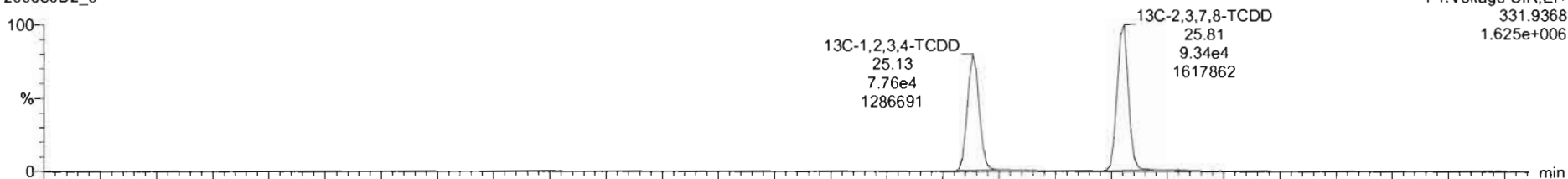
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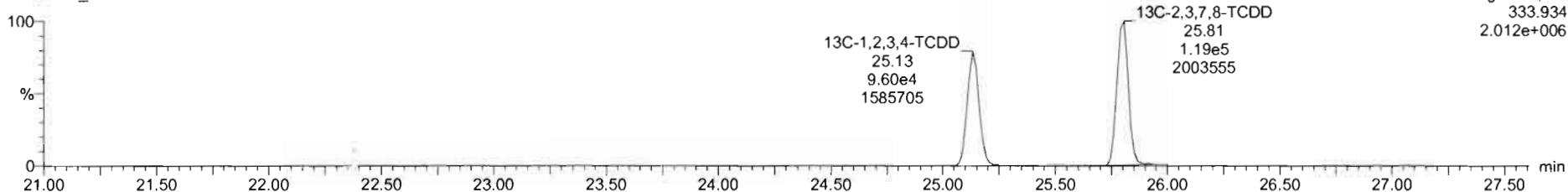
**37Cl-2,3,7,8-TCDD**  
200930D2\_6



**13C-1,2,3,4-TCDD**  
200930D2\_6



200930D2\_6



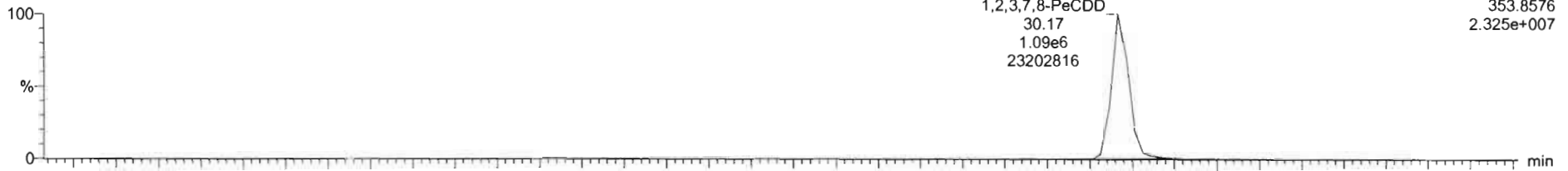
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

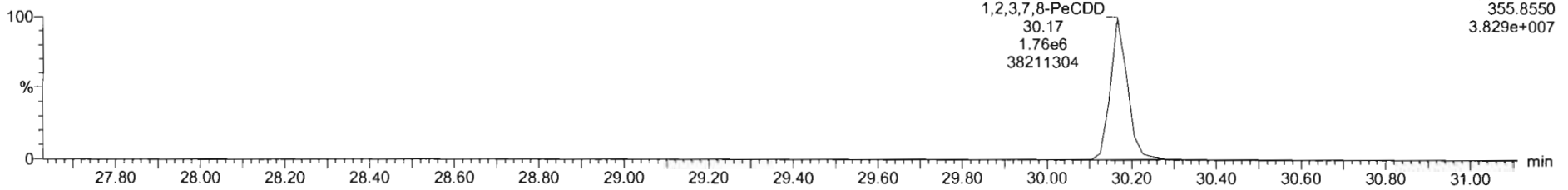
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1,2,3,7,8-PeCDD

200930D2\_6

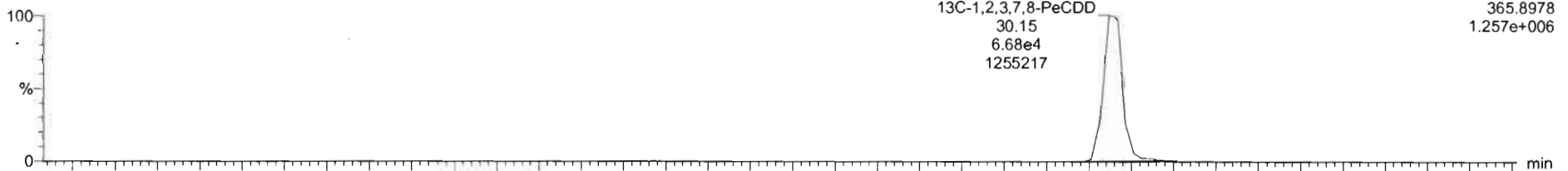


200930D2\_6

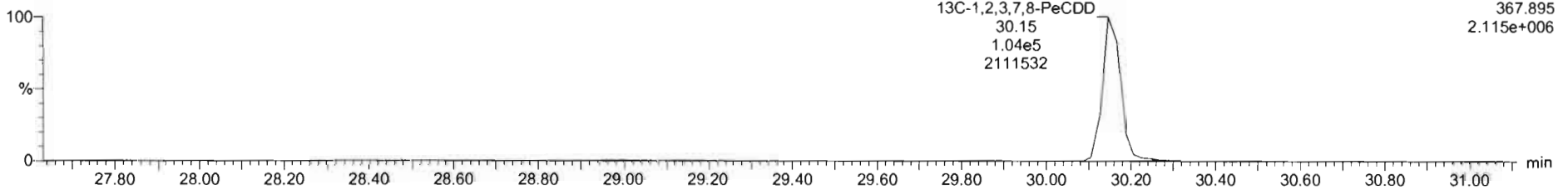


13C-1,2,3,7,8-PeCDD

200930D2\_6



200930D2\_6



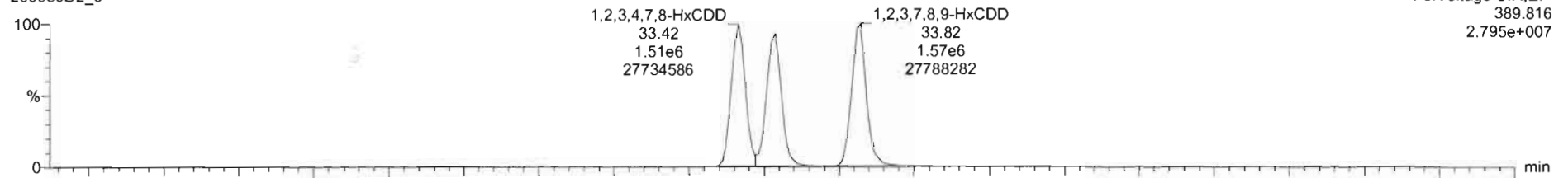
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

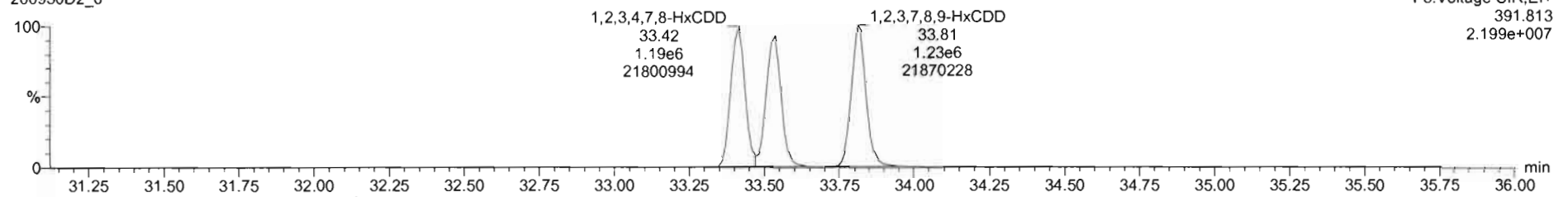
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1,2,3,4,7,8-HxCDD

200930D2\_6

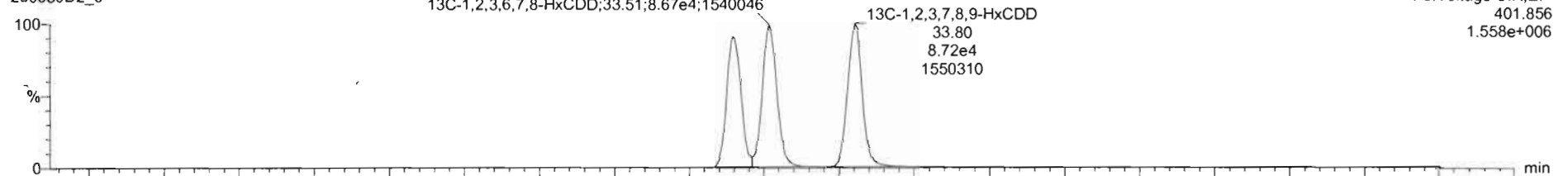


200930D2\_6

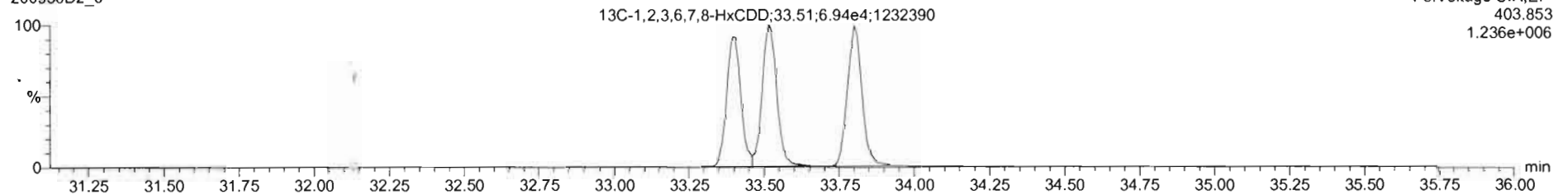


13C-1,2,3,4,7,8-HxCDD

200930D2\_6



200930D2\_6





Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

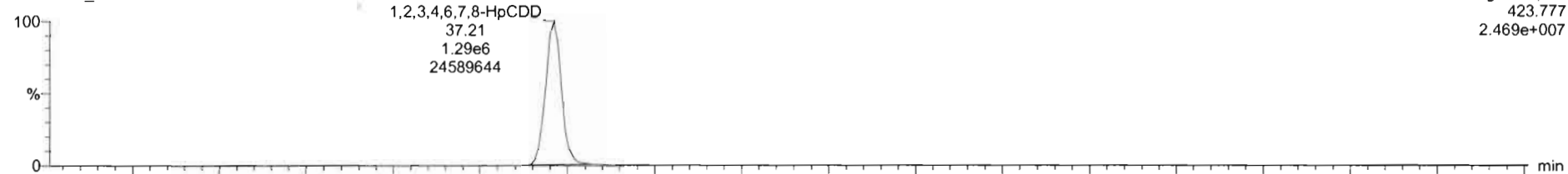
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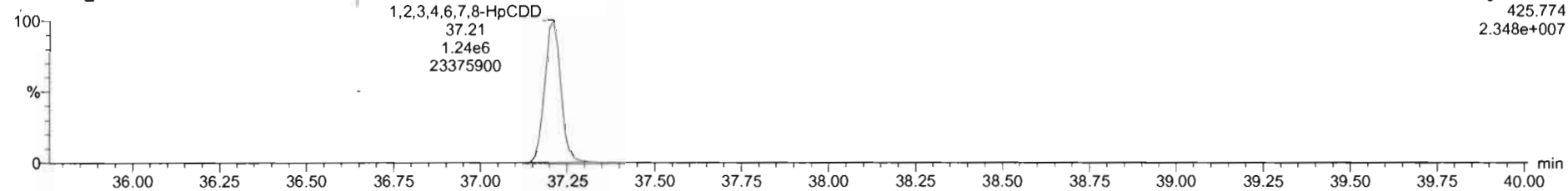
1,2,3,4,6,7,8-HpCDD

200930D2\_6



F4:Voltage SIR,EI+  
423.777  
2.469e+007

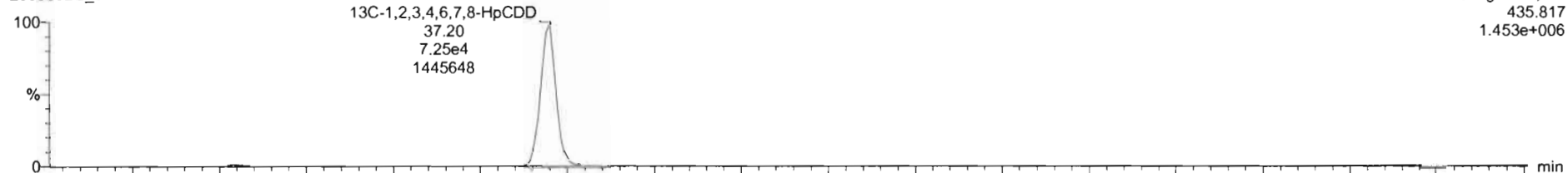
200930D2\_6



F4:Voltage SIR,EI+  
425.774  
2.348e+007

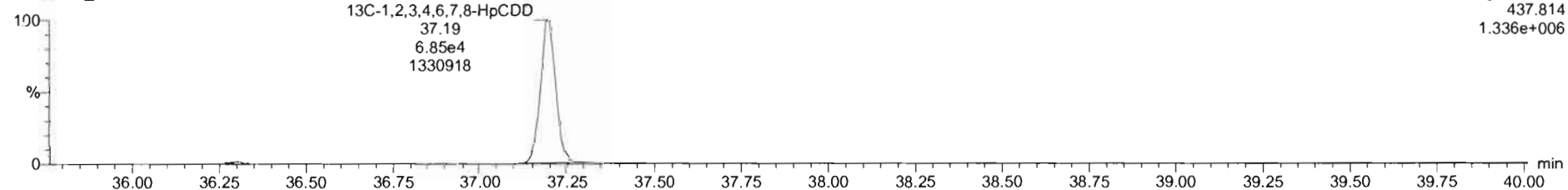
13C-1,2,3,4,6,7,8-HpCDD

200930D2\_6



F4:Voltage SIR,EI+  
435.817  
1.453e+006

200930D2\_6

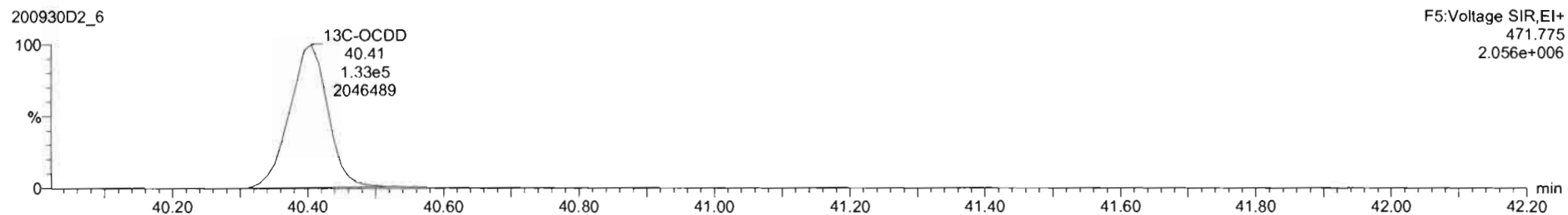
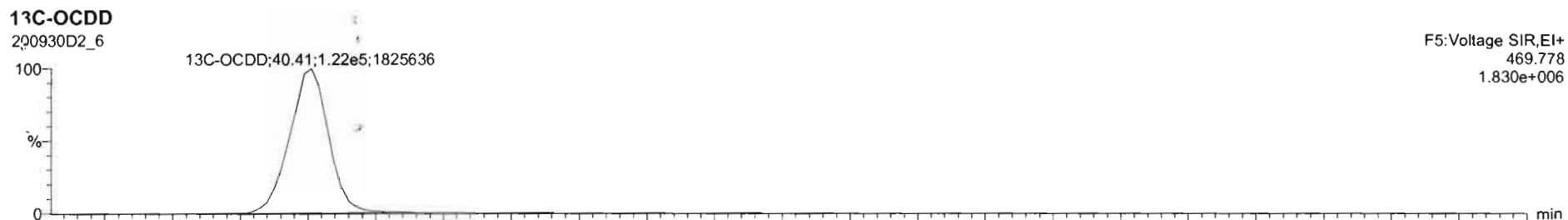
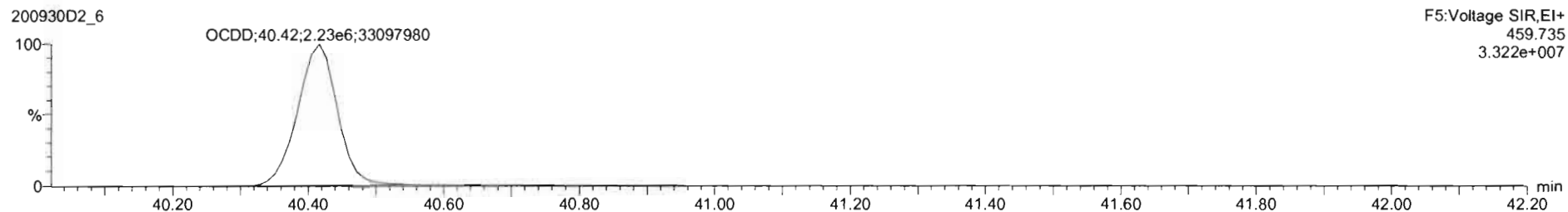
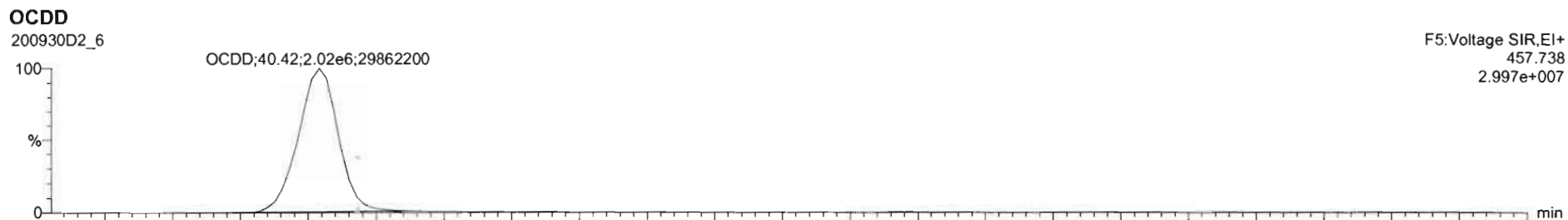


F4:Voltage SIR,EI+  
437.814  
1.336e+006

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

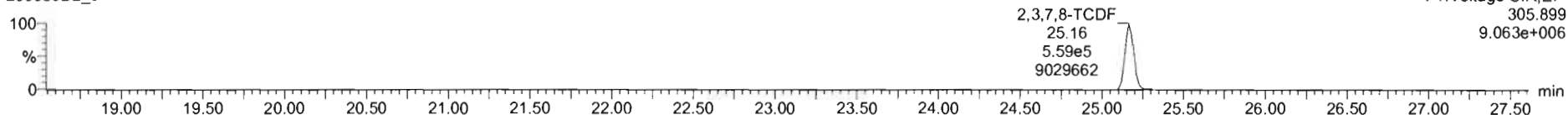
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**2,3,7,8-TCDF**

200930D2\_6

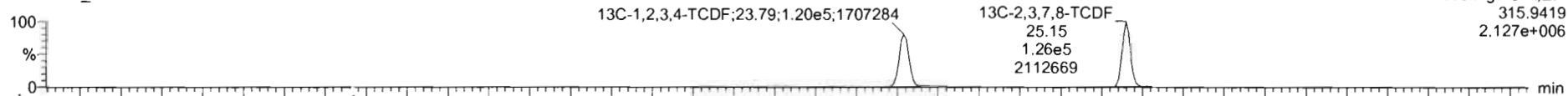


200930D2\_6

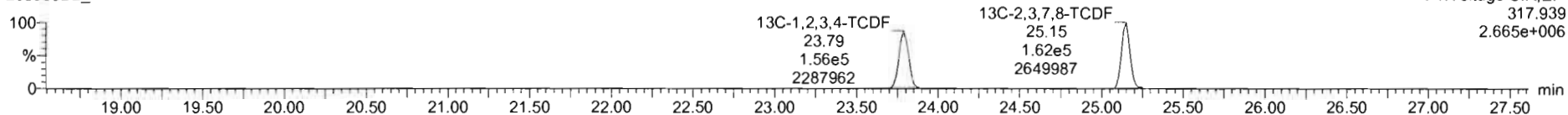


**13C-2,3,7,8-TCDF**

200930D2\_6

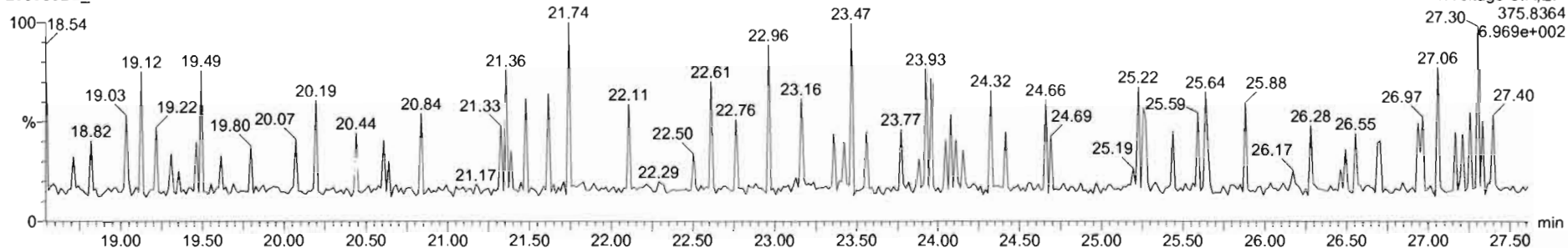


200930D2\_6



**DPE1**

200930D2\_6

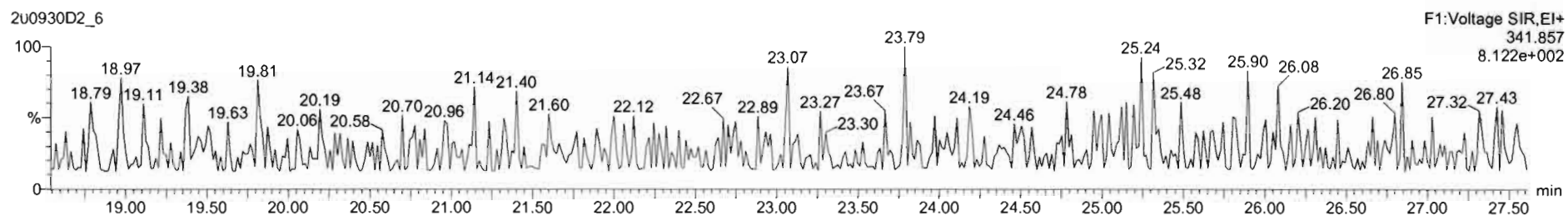
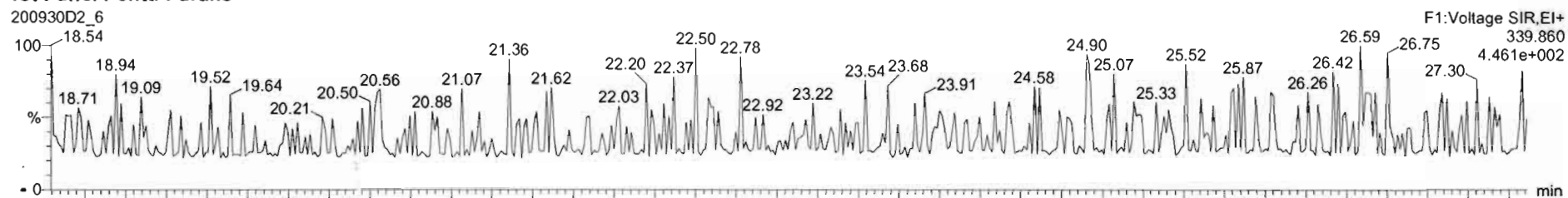


Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

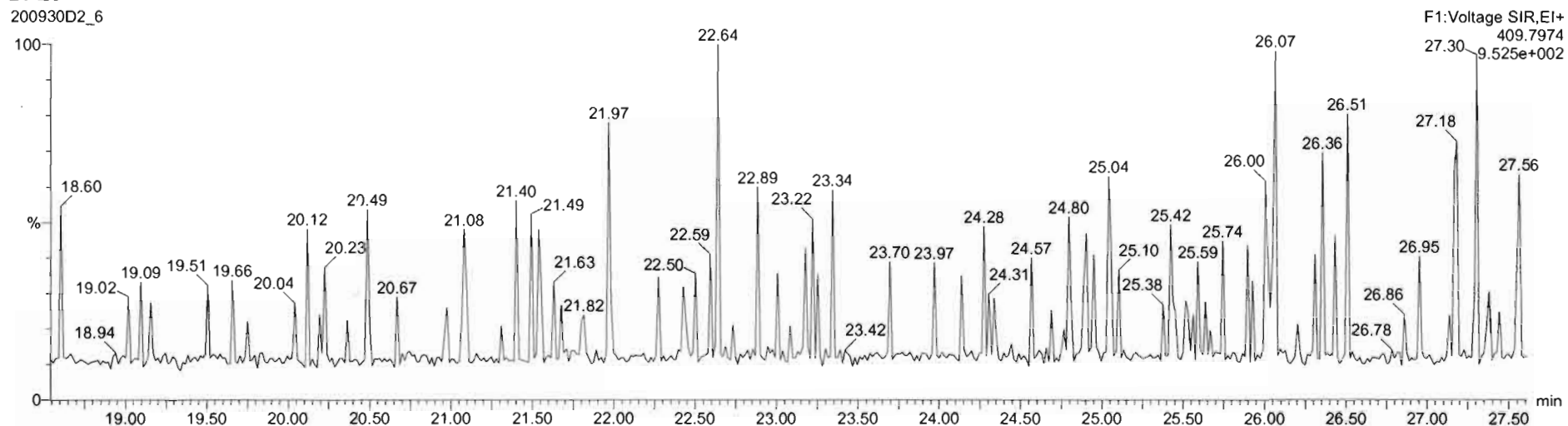
Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

1st Func. Penta-Furans



DPE6



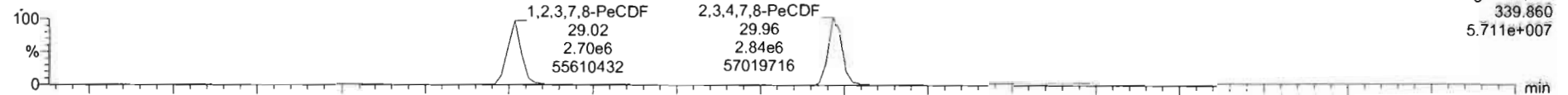
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

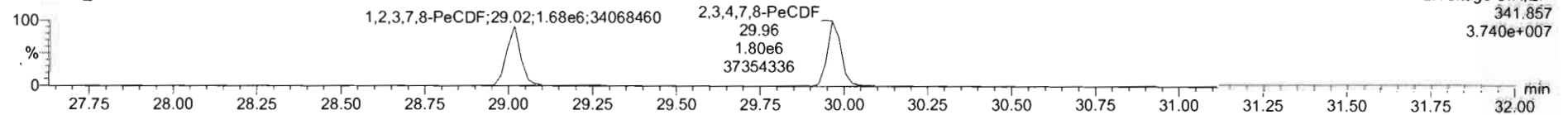
Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

**1,2,3,7,8-PeCDF**

200930D2\_6

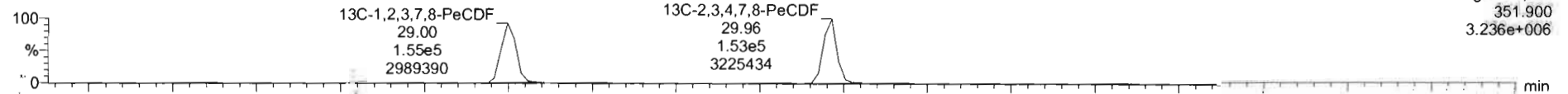


200930D2\_6

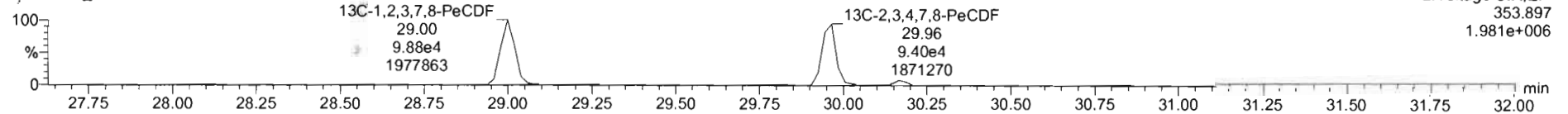


**13C-1,2,3,7,8-PeCDF**

200930D2\_6

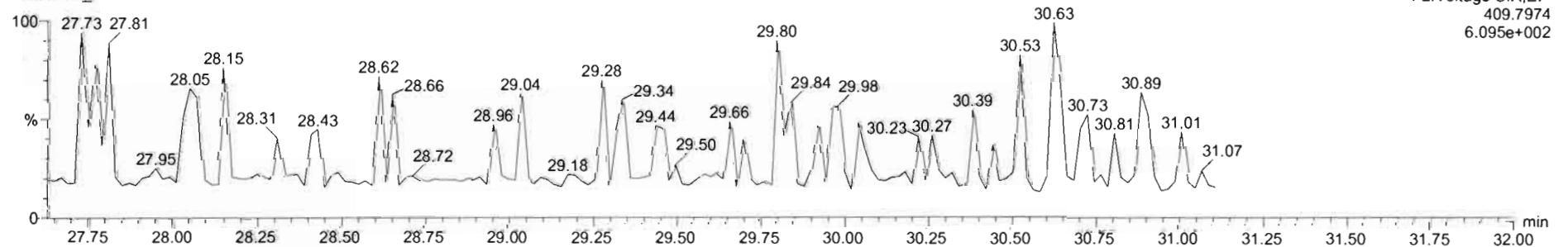


200930D2\_6



**DPE2**

200930D2\_6



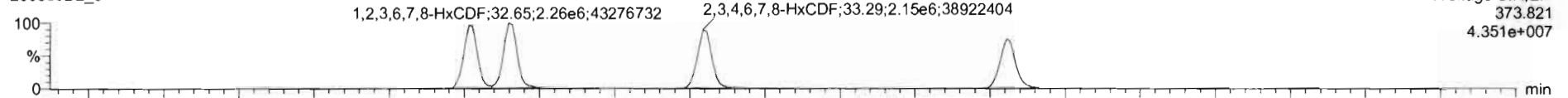
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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

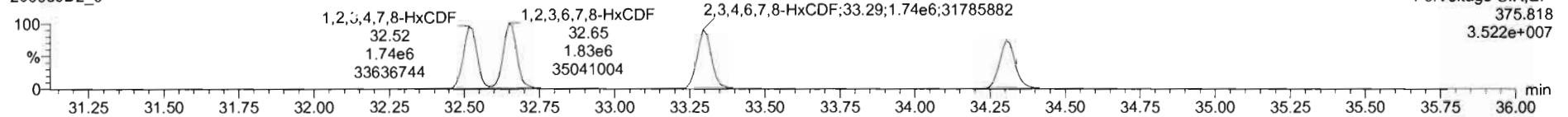
1,2,3,4,7,8-HxCDF

200930D2\_6



F3: Voltage SIR, EI+  
373.821  
4.351e+007

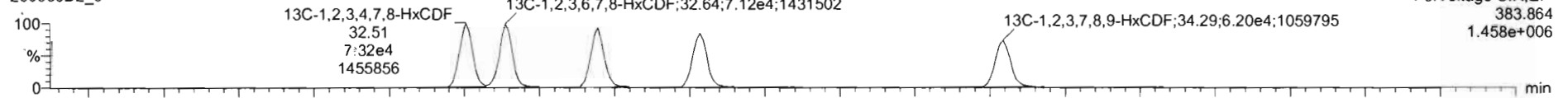
200930D2\_6



F3: Voltage SIR, EI+  
375.818  
3.522e+007

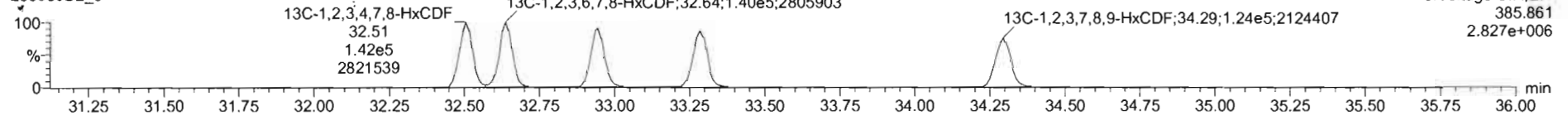
13C-1,2,3,4,7,8-HxCDF

200930D2\_6



F3: Voltage SIR, EI+  
383.864  
1.458e+006

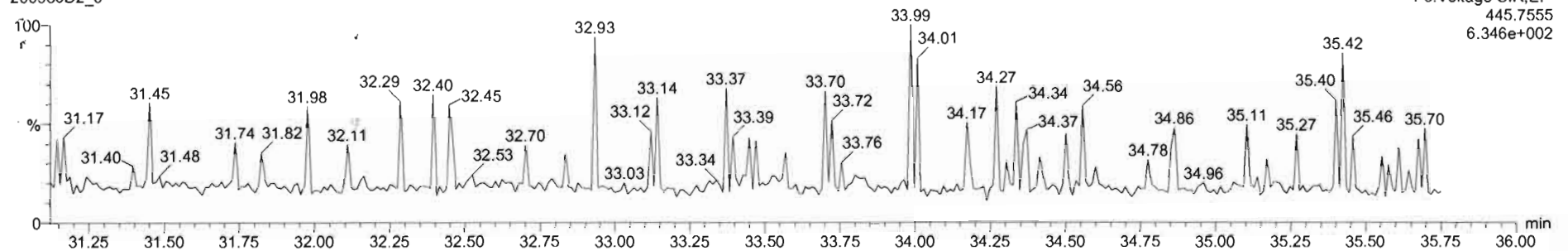
200930D2\_6



F3: Voltage SIR, EI+  
385.861  
2.827e+006

DPE3

200930D2\_6



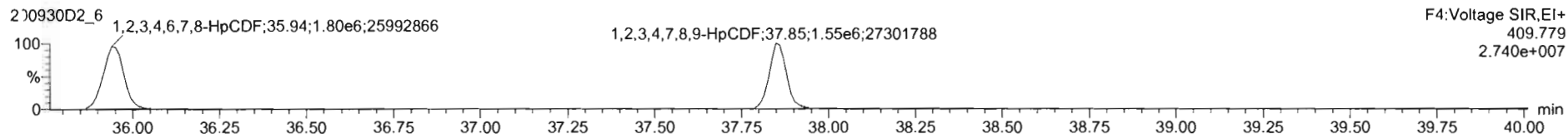
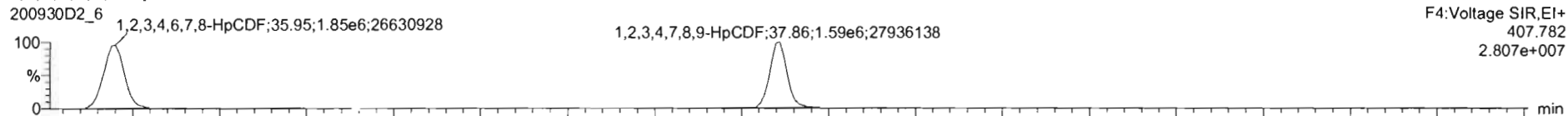
F3: Voltage SIR, EI+  
445.7555  
6.346e+002

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

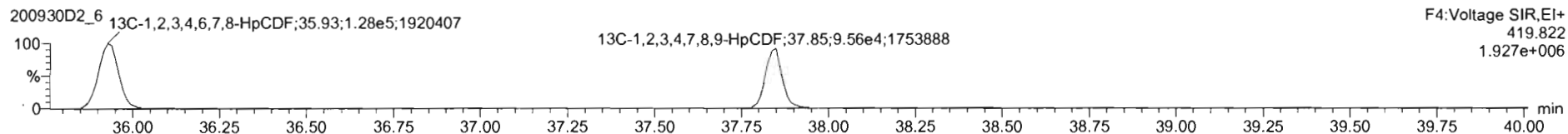
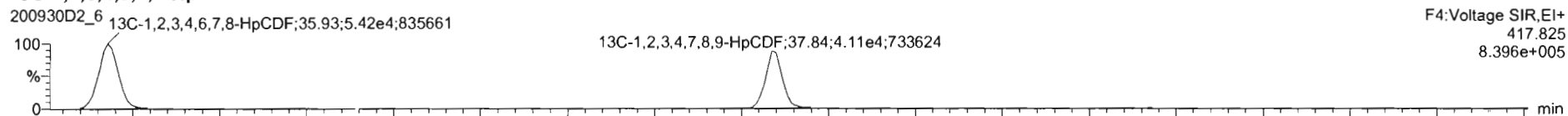
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Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

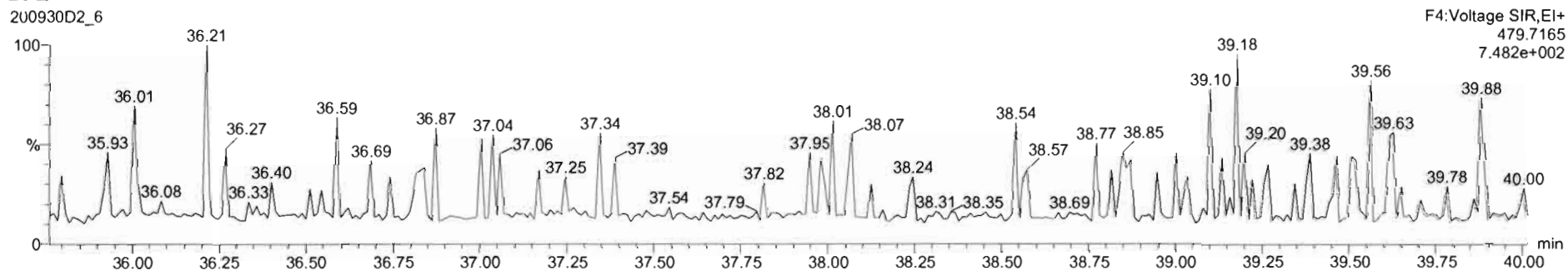
1,2,3,4,6,7,8-HpCDF



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



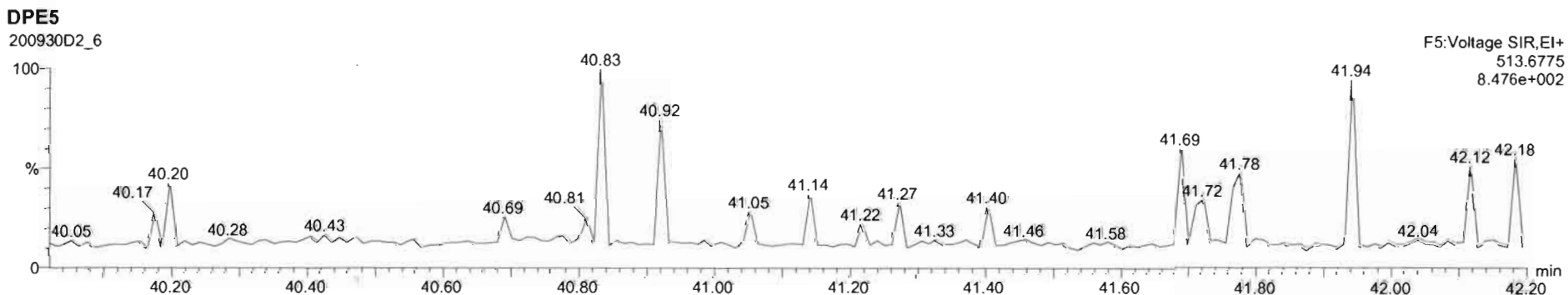
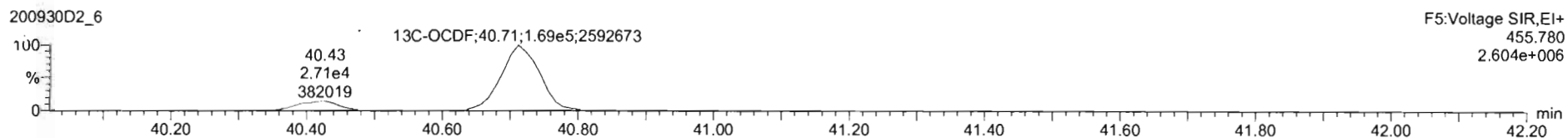
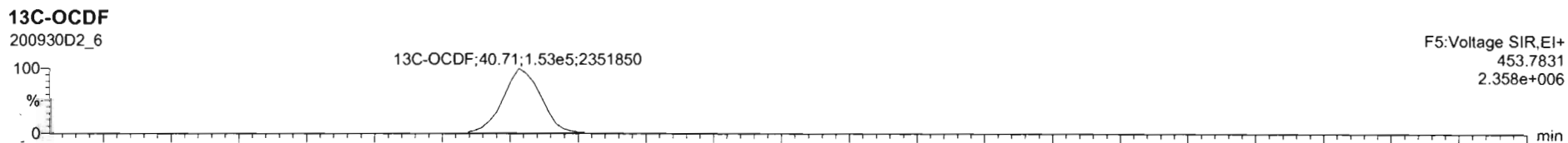
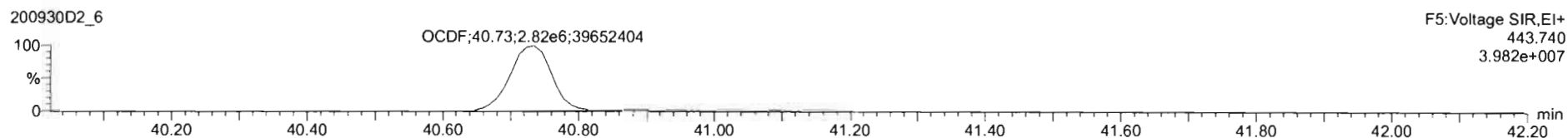
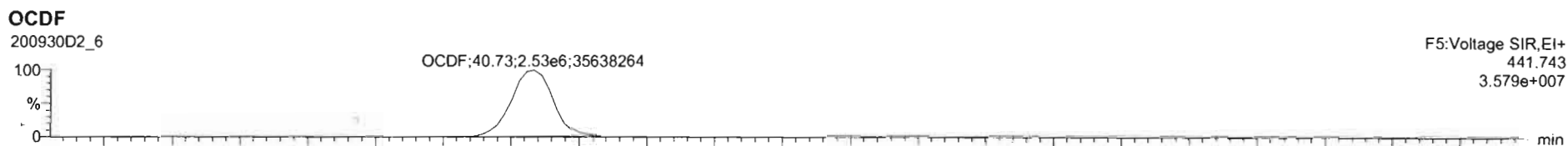
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_CRV.qld

Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 09:58:35 Pacific Daylight Time

Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107



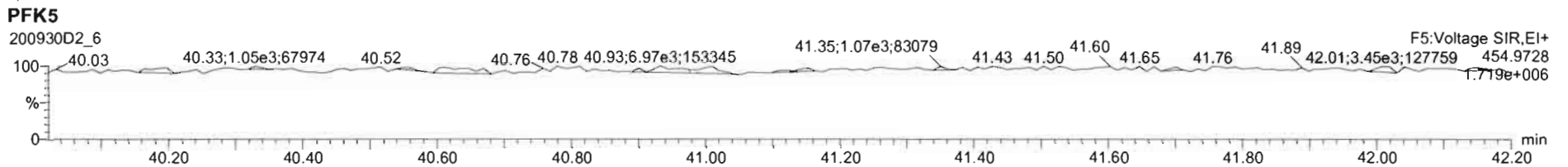
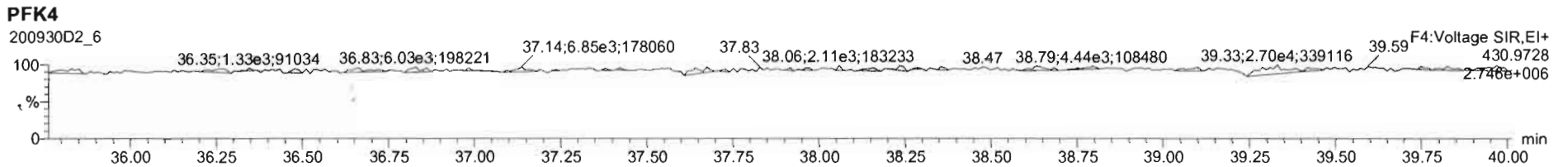
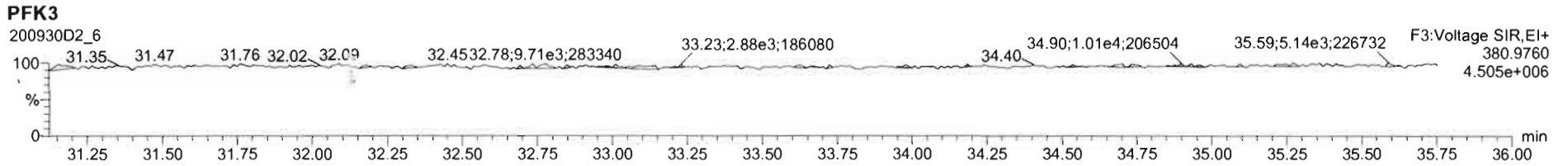
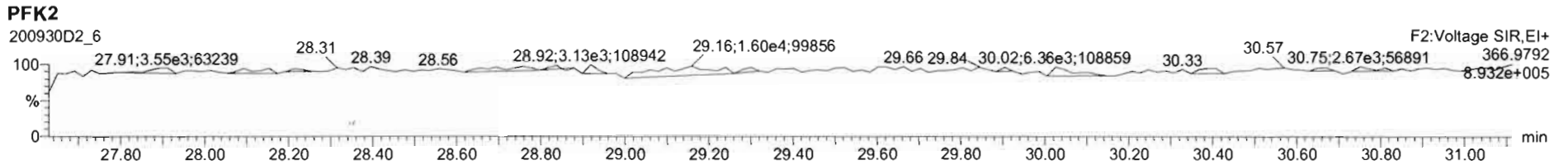
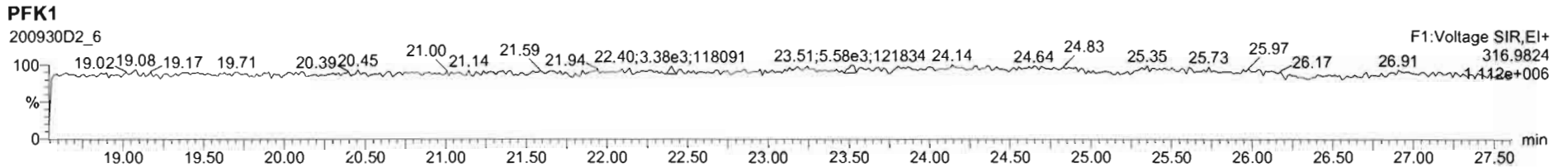


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Last Altered: Thursday, October 01, 2020 09:56:59 Pacific Daylight Time

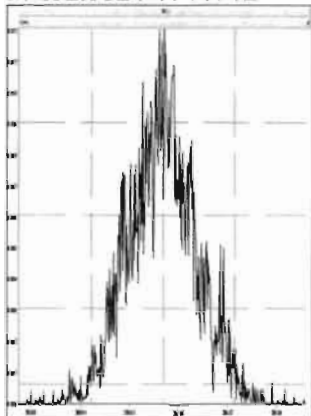
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Name: 200930D2\_6, Date: 30-Sep-2020, Time: 16:35:44, ID: ST200930D2-6 1613 CS5 20F1107, Description: 1613 CS5 20F1107

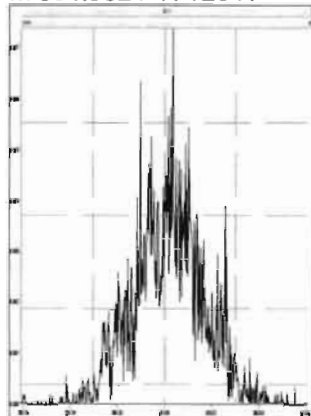


Printed: Thursday, October 01, 2020 02:40:50 Pacific Daylight Time

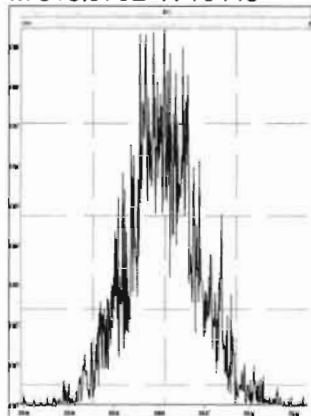
M 292.9824 R 11712



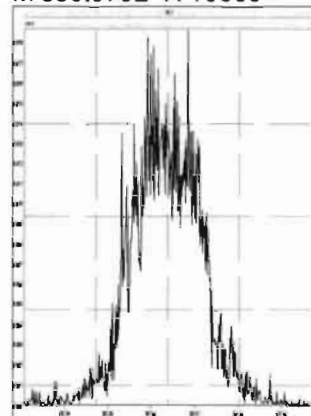
M 304.9824 R 12641



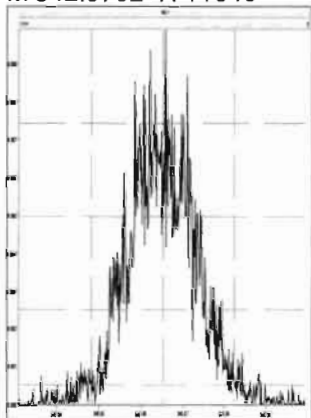
M 318.9792 R 10443



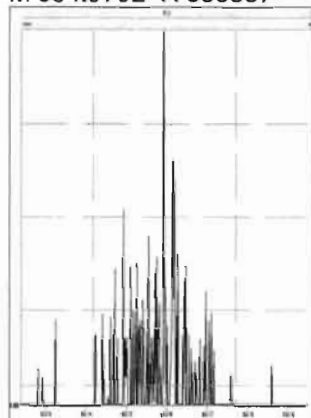
M 330.9792 R 10560



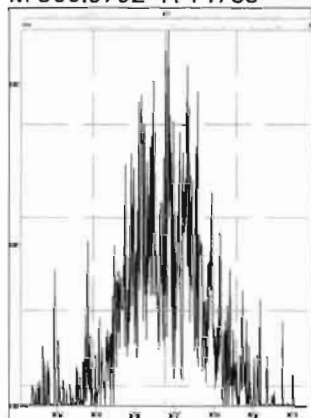
M 342.9792 R 11046



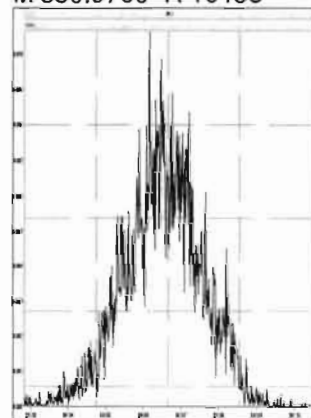
M 354.9792 R 833337



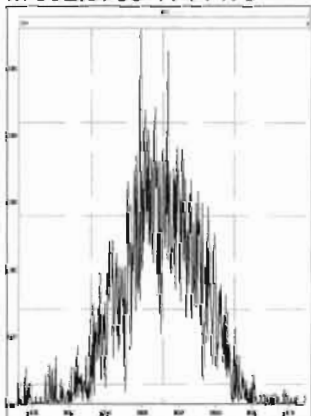
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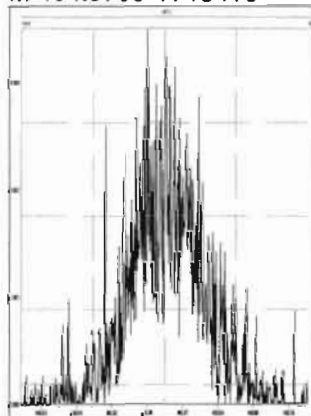
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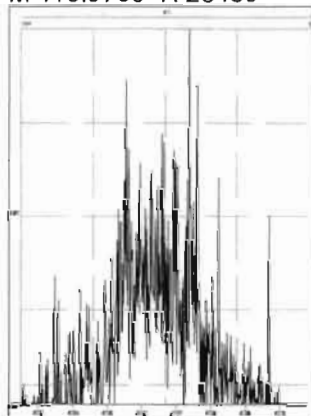
M 392.9760 R 11470



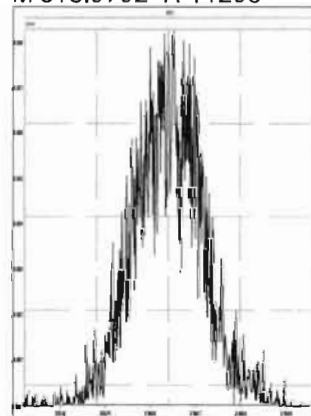
M 404.9760 R 13416



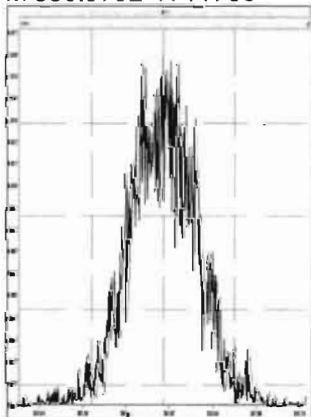
M 416.9760 R 25489



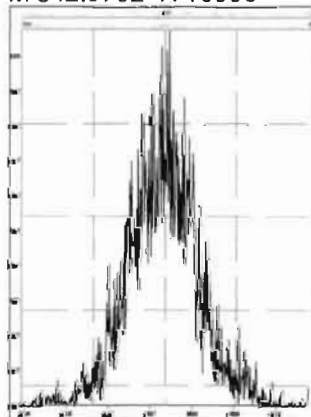
M 318.9792 R 11295



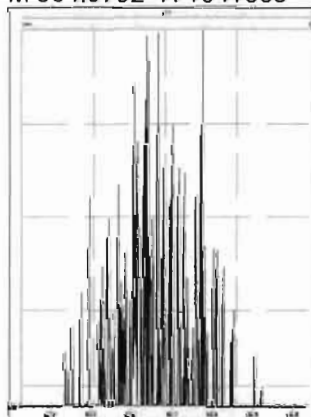
M 330.9792 R 11765



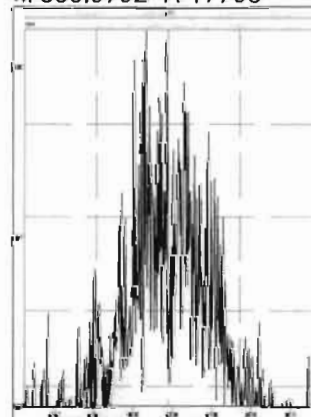
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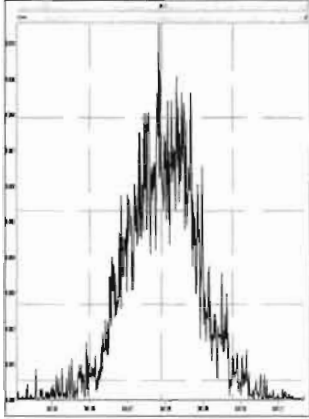
M 354.9792 R 1041663



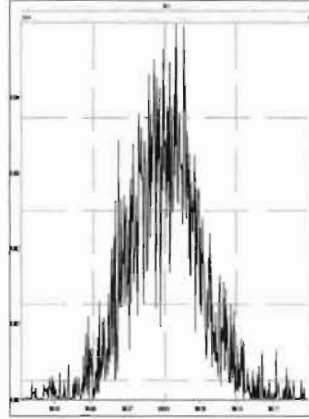
M 366.9792 R 17795



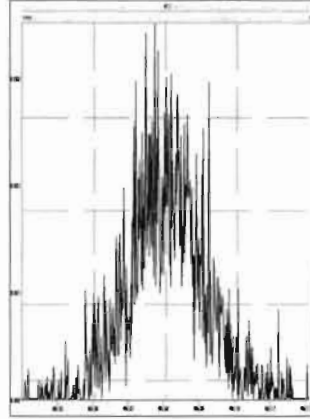
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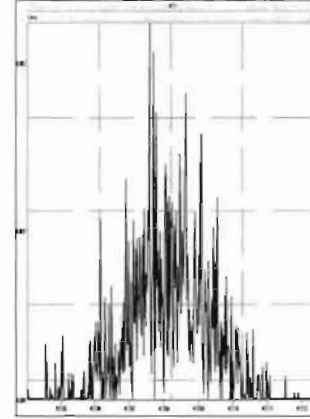
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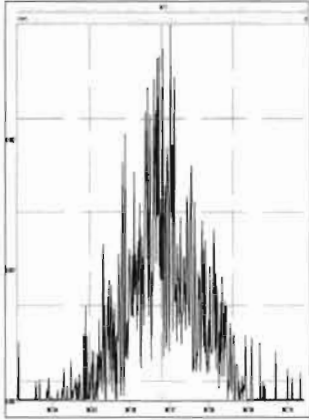
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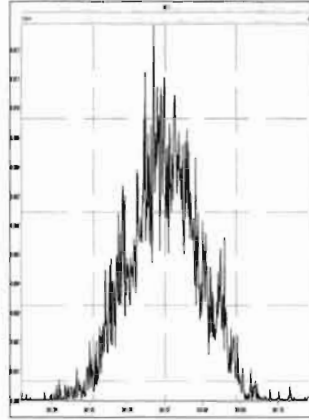
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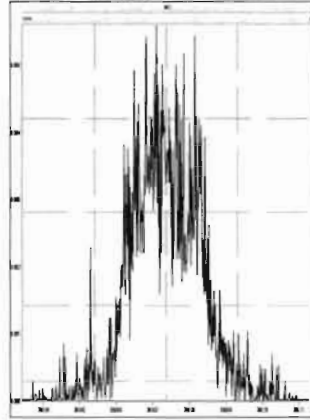
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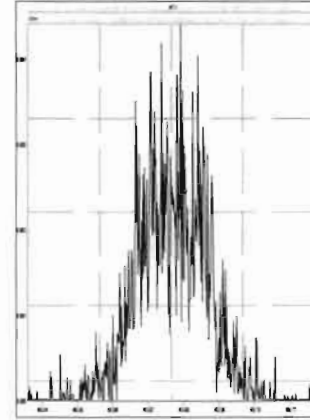
M 380.9760 R 10515



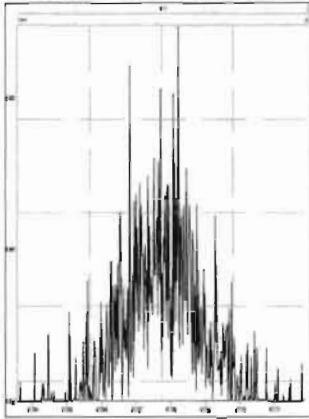
M 392.9760 R 12461



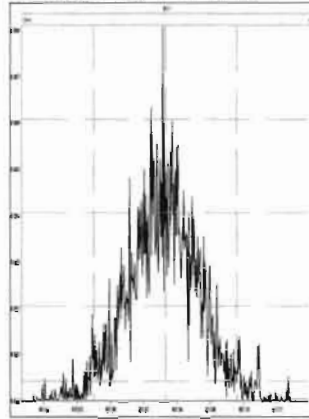
M 404.9760 R 13352



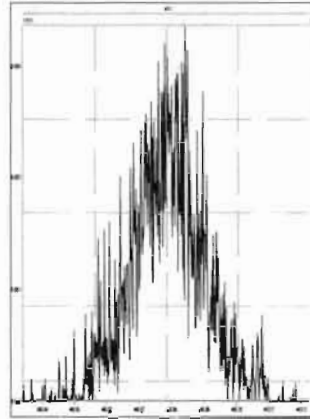
M 416.9760 R 21740



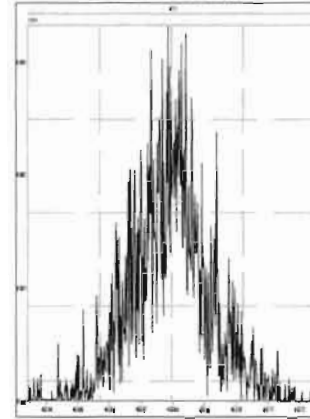
M 430.9728 R 10803



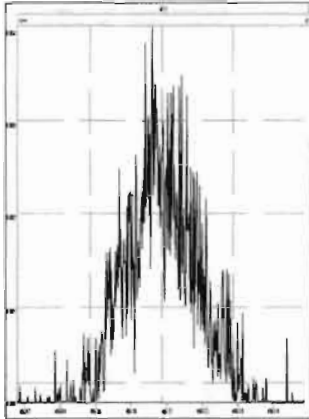
M 442.9728 R 12226



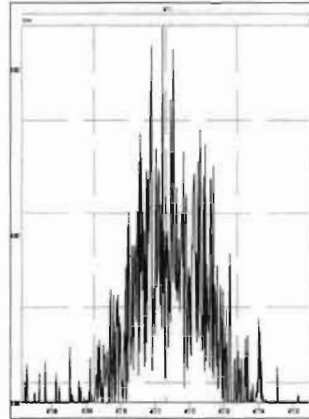
M 454.9728 R 13320



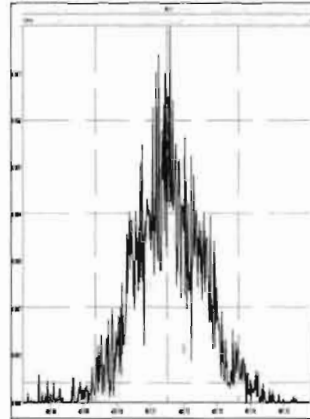
M 404.9760 R 12001



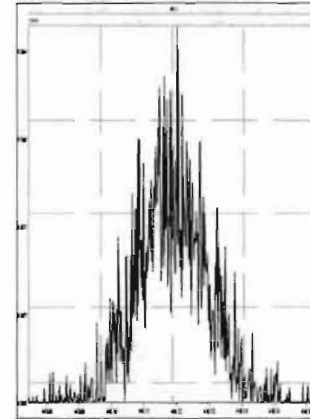
M 416.9760 R 16033



M 430.9728 R 10893

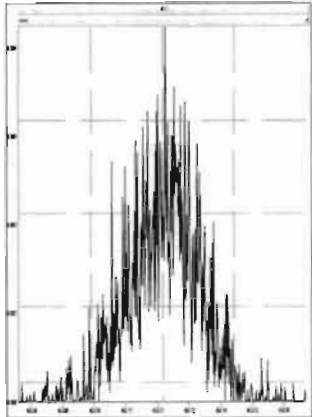


M 442.9728 R 13370

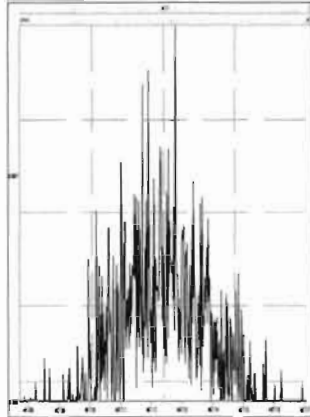


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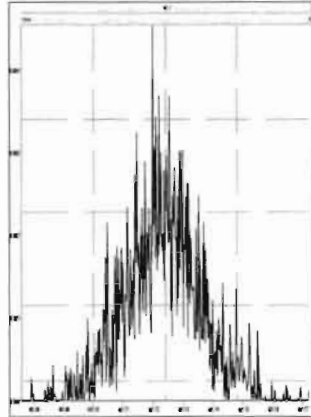
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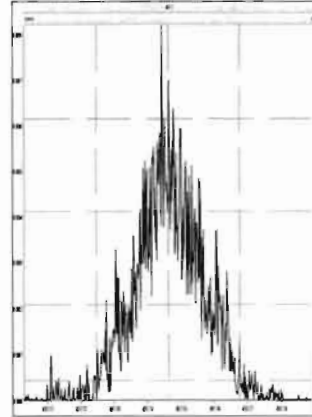
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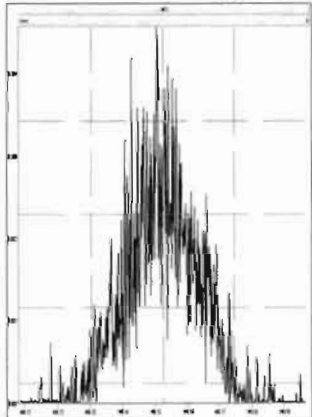
M 480.9696 R 12048



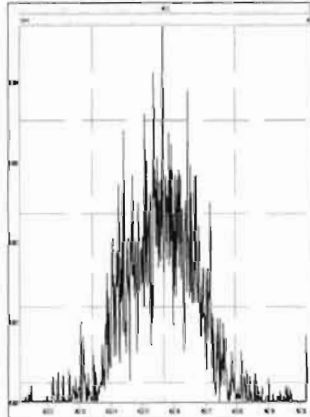
M 430.9728 R 11801



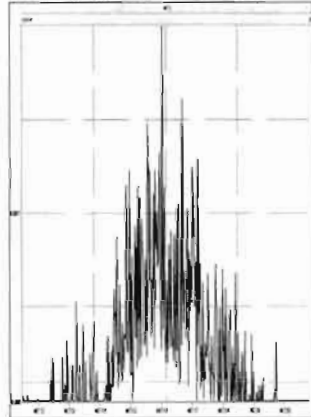
M 442.9728 R 12386



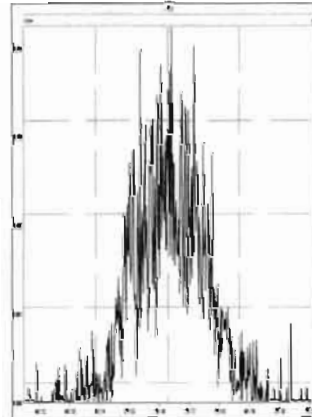
M 454.9728 R 12732



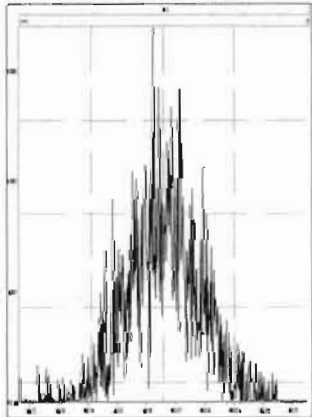
M 466.9728 R 22233



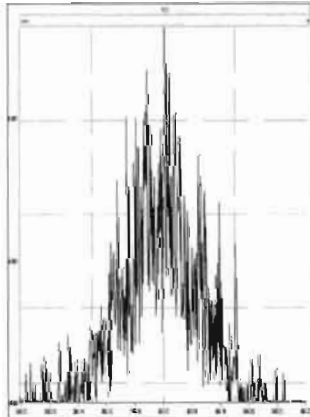
M 480.9696 R 13549



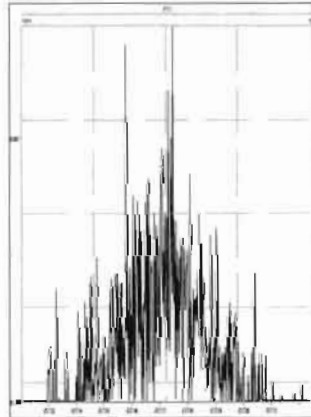
M 492.9696 R 14001



M 504.9696 R 12026



M 516.9697 R 69497



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
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*DB 10/1/20 CT 10/01/2020*

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 11 Sep 2020 15:14:27  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

#	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	2.31e4	0.74	NO	1.00	1.000	25.821	25.82	1.001	1.001	10.260	103	0.0632	10.3
2	2 1,2,3,7,8-PeCDD	8.31e4	0.61	NO	0.935	1.000	30.187	30.19	1.001	1.001	53.368	107	0.106	53.4
3	3 1,2,3,4,7,8-HxCDD	7.77e4	1.26	NO	1.15	1.000	33.415	33.42	1.000	1.000	45.778	91.6	0.150	45.8
4	4 1,2,3,6,7,8-HxCDD	8.20e4	1.25	NO	1.02	1.000	33.526	33.54	1.000	1.000	47.955	95.9	0.161	48.0
5	5 1,2,3,7,8,9-HxCDD	7.98e4	1.27	NO	1.06	1.000	33.845	33.82	1.001	1.000	45.851	91.7	0.156	45.9
6	6 1,2,3,4,6,7,8-HpCDD	7.23e4	1.07	NO	1.00	1.000	37.213	37.21	1.000	1.000	49.364	98.7	0.231	49.4
7	7 OCDD	1.24e5	0.89	NO	0.952	1.000	40.395	40.41	1.000	1.000	100.14	100	0.175	100
8	8 2,3,7,8-TCDF	3.03e4	0.76	NO	1.01	1.000	25.174	25.16	1.001	1.001	8.5800	85.8	0.0490	8.58
9	9 1,2,3,7,8-PeCDF	1.26e5	1.58	NO	0.998	1.000	29.019	29.02	1.001	1.001	47.977	96.0	0.102	48.0
10	10 2,3,4,7,8-PeCDF	1.46e5	1.58	NO	1.07	1.000	29.994	29.98	1.001	1.001	53.283	107	0.0861	53.3
11	11 1,2,3,4,7,8-HxCDF	1.29e5	1.25	NO	1.05	1.000	32.505	32.53	1.000	1.001	56.257	113	0.172	56.3
12	12 1,2,3,6,7,8-HxCDF	1.36e5	1.28	NO	1.10	1.000	32.658	32.66	1.000	1.000	56.801	114	0.172	56.8
13	13 2,3,4,6,7,8-HxCDF	1.28e5	1.27	NO	1.09	1.000	33.328	33.31	1.001	1.000	57.613	115	0.191	57.6
14	14 1,2,3,7,8,9-HxCDF	1.06e5	1.25	NO	1.08	1.000	34.294	34.32	1.000	1.001	53.240	106	0.252	53.2
15	15 1,2,3,4,6,7,8-HpCDF	1.20e5	1.03	NO	1.13	1.000	35.976	35.95	1.001	1.000	52.614	105	0.212	52.6
16	16 1,2,3,4,7,8,9-HpCDF	9.52e4	1.03	NO	1.29	1.000	37.849	37.86	1.000	1.000	51.703	103	0.224	51.7
17	17 OCDF	1.66e5	0.89	NO	0.953	1.000	40.702	40.72	1.000	1.001	114.48	114	0.229	114
18	18 13C-2,3,7,8-TCDD	2.25e5	0.80	NO	1.17	1.000	25.787	25.79	1.026	1.026	94.491	94.5	0.271	
19	19 13C-1,2,3,7,8-PeCDD	1.66e5	0.62	NO	0.914	1.000	29.974	30.17	1.193	1.200	89.682	89.7	0.183	
20	20 13C-1,2,3,4,7,8-HxCDD	1.47e5	1.28	NO	0.634	1.000	33.405	33.40	1.014	1.014	105.24	105	0.428	
21	21 13C-1,2,3,6,7,8-HxCDD	1.67e5	1.27	NO	0.724	1.000	33.514	33.53	1.017	1.018	104.35	104	0.375	
22	22 13C-1,2,3,7,8,9-HxCDD	1.64e5	1.25	NO	0.716	1.000	33.781	33.81	1.025	1.026	103.67	104	0.379	
23	23 13C-1,2,3,4,6,7,8-HpCDD	1.46e5	1.05	NO	0.660	1.000	37.194	37.20	1.129	1.129	100.22	100	0.415	
24	24 13C-OCDD	2.61e5	0.89	NO	0.587	1.000	40.172	40.39	1.219	1.226	201.24	101	0.287	
25	25 13C-2,3,7,8-TCDF	3.48e5	0.73	NO	1.02	1.000	24.882	25.15	0.990	1.001	99.486	99.5	0.276	
26	26 13C-1,2,3,7,8-PeCDF	2.62e5	1.59	NO	0.842	1.000	29.046	29.00	1.156	1.154	91.006	91.0	0.298	
27	27 13C-2,3,4,7,8-PeCDF	2.55e5	1.67	NO	0.802	1.000	29.934	29.96	1.191	1.192	92.871	92.9	0.313	
28	28 13C-1,2,3,4,7,8-HxCDF	2.17e5	0.51	NO	1.00	1.000	32.549	32.51	0.988	0.987	98.055	98.1	0.333	
29	29 13C-1,2,3,6,7,8-HxCDF	2.17e5	0.52	NO	1.02	1.000	32.680	32.65	0.992	0.991	96.461	96.5	0.328	
30	30 13C-2,3,4,6,7,8-HxCDF	2.05e5	0.52	NO	0.955	1.000	33.244	33.30	1.009	1.011	97.072	97.1	0.350	
31	31 13C-1,2,3,7,8,9-HxCDF	1.83e5	0.53	NO	0.851	1.000	34.308	34.29	1.041	1.041	97.441	97.4	0.392	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:01 Pacific Daylight Time

Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

	# Name	Resp	RA	n/y	RRF	wt/vol	Pred.RT	RT	Pred.RRT	RRT	Conc.	%Rec	DL	EMPC
32	32 13C-1,2,3,4,6,7,8-HpCDF	2.01e5	0.44	NO	0.848	1.000	35.810	35.94	1.087	1.091	107.16	107	0.390	
33	33 13C-1,2,3,4,7,8,9-HpCDF	1.43e5	0.45	NO	0.624	1.000	37.787	37.85	1.147	1.149	103.84	104	0.530	
34	34 13C-OCDF	3.04e5	0.90	NO	0.730	1.000	40.323	40.70	1.224	1.235	188.59	94.3	0.259	
35	35 37Cl-2,3,7,8-TCDD	2.38e4			1.21	1.000	25.784	25.82	1.026	1.027	9.7250	97.3	0.0428	
36	36 13C-1,2,3,4-TCDD	2.03e5	0.78	NO	1.00	1.000	25.260	25.13	1.000	1.000	100.00	100	0.318	
37	37 13C-1,2,3,4-TCDF	3.43e5	0.75	NO	1.00	1.000	23.930	23.79	1.000	1.000	100.00	100	0.282	
38	38 13C-1,2,3,4,6,9-HxCDF	2.21e5	0.52	NO	1.00	1.000	32.990	32.94	1.000	1.000	100.00	100	0.334	

Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

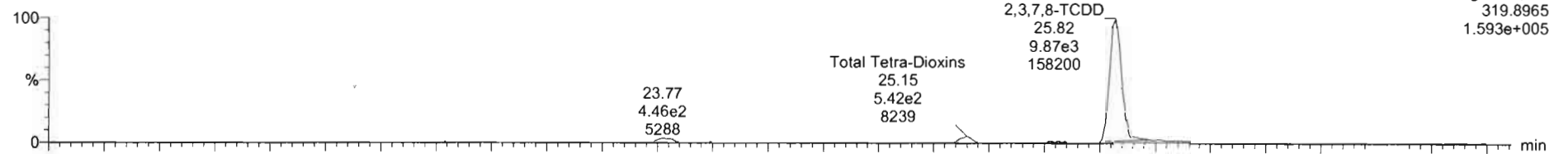
Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Method: C:\MassLynx\Default.PRO\MethDB\1613\_rrt.mdb 11 Sep 2020 15:14:27  
Calibration: U:\VG7.PRO\CurveDB\ZB\_DIOXIN\_1613vg7-9-30-20.cdb 01 Oct 2020 10:27:37

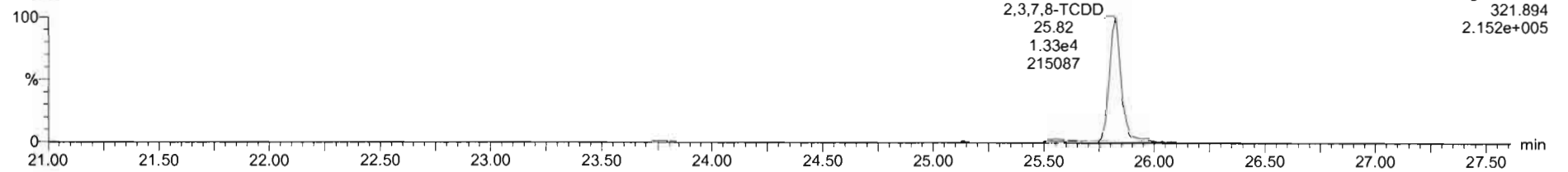
Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

2,3,7,8-TCDD

200930D2\_8

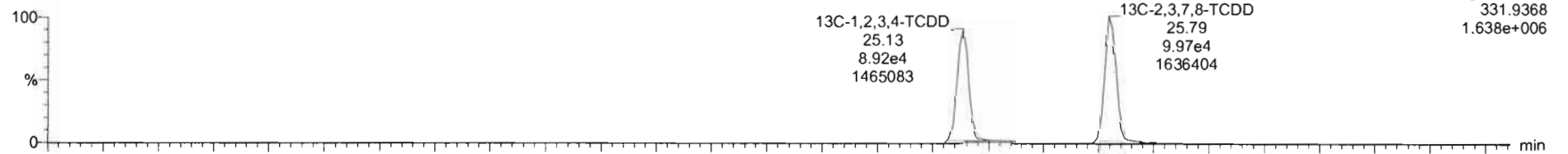


200930D2\_8

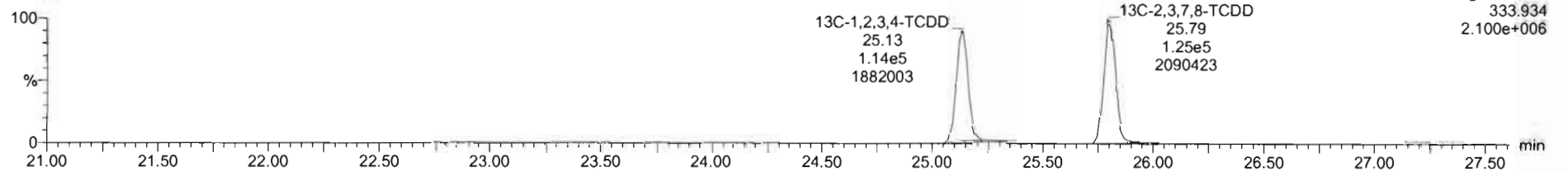


13C-2,3,7,8-TCDD

200930D2\_8



200930D2\_8



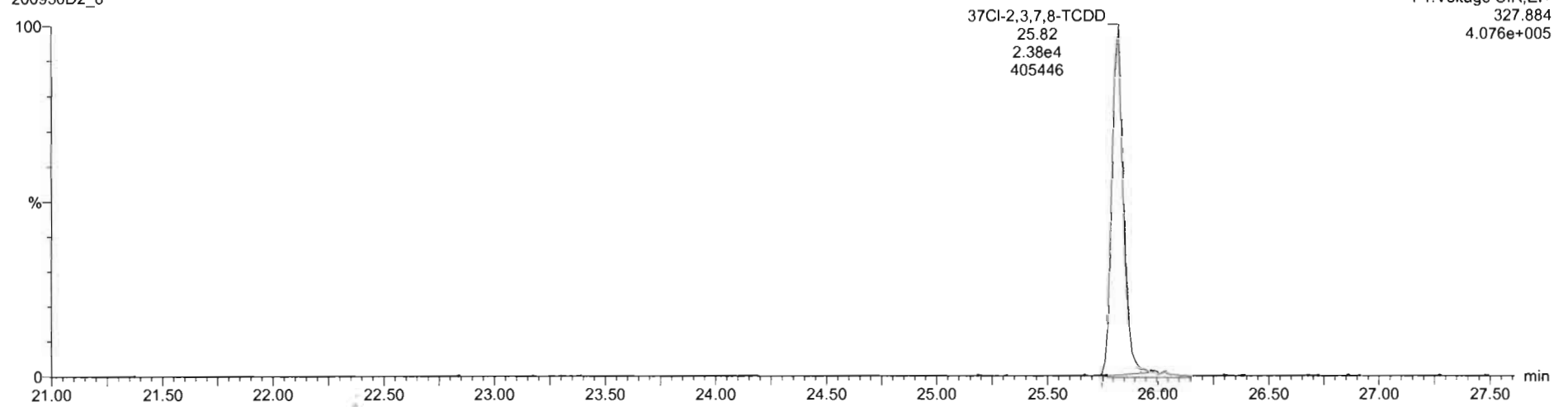
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Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

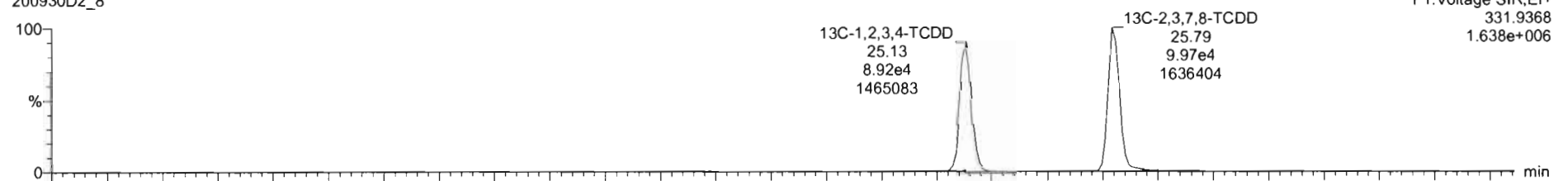
**37Cl-2,3,7,8-TCDD**

200930D2\_8

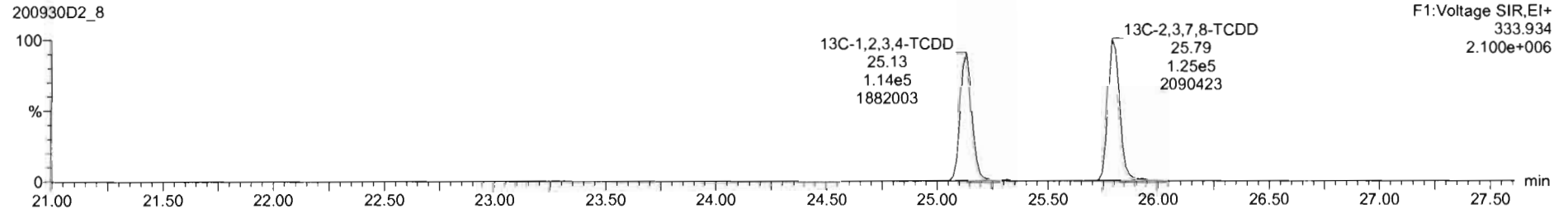


**13C-1,2,3,4-TCDD**

200930D2\_8



200930D2\_8





Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

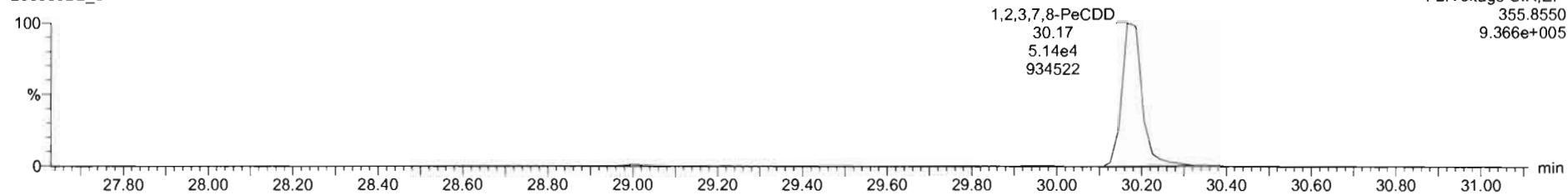
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1,2,3,7,8-PeCDD

200930D2\_8

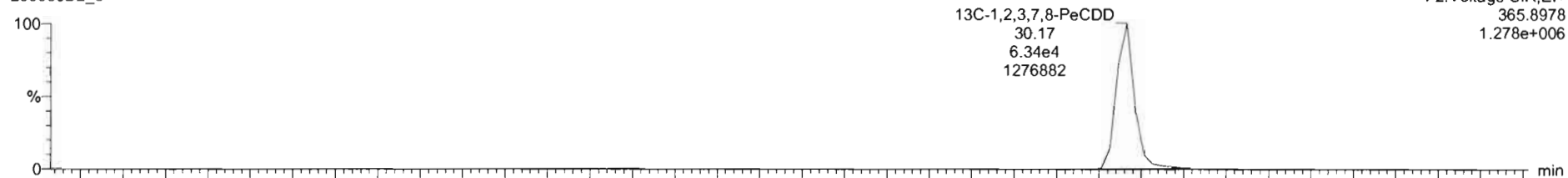


200930D2\_8

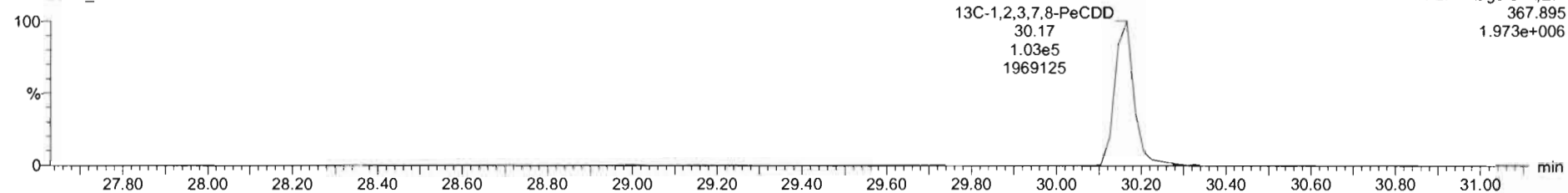


13C-1,2,3,7,8-PeCDD

200930D2\_8



200930D2\_8



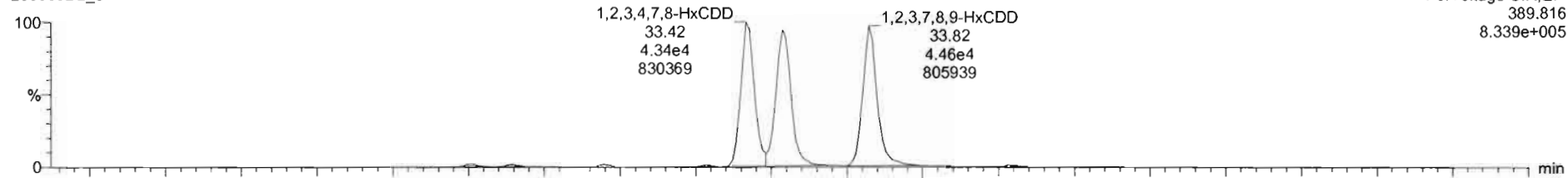
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Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

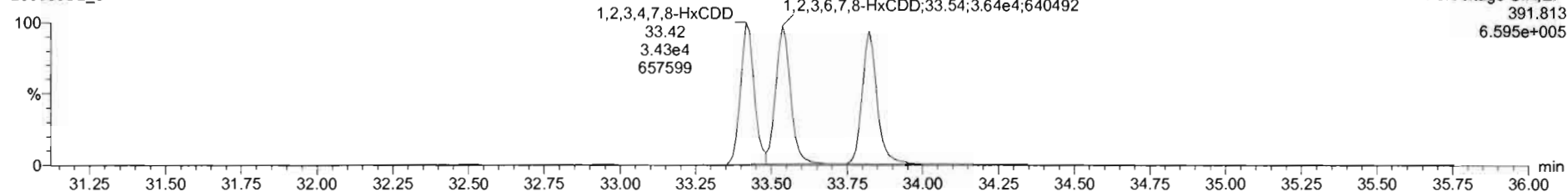
Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

200930D2\_8

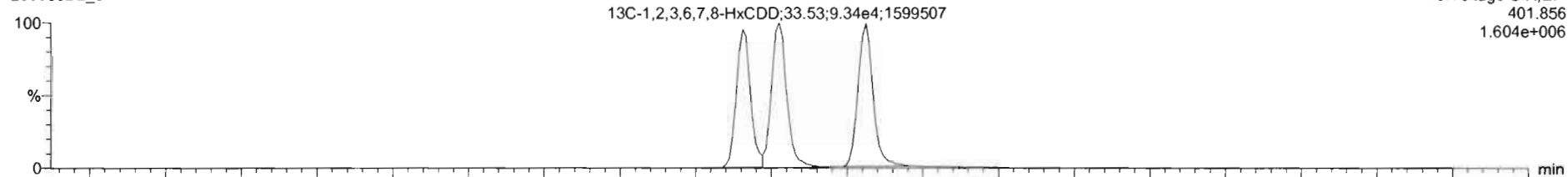


200930D2\_8

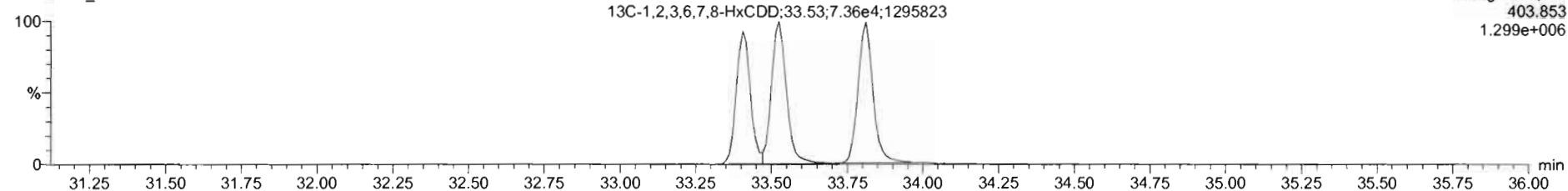


13C-1,2,3,4,7,8-HxCDD

200930D2\_8



200930D2\_8



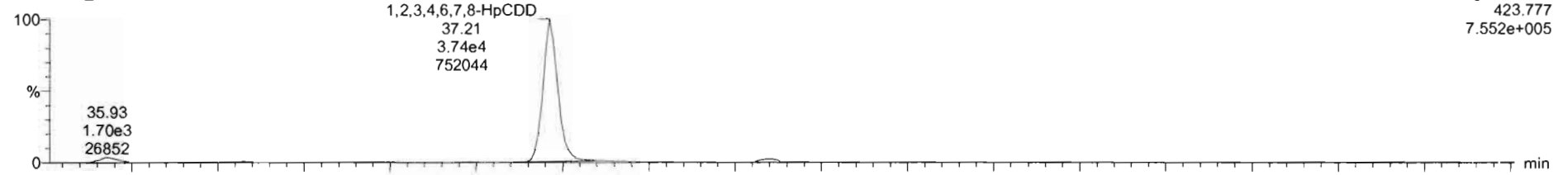
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

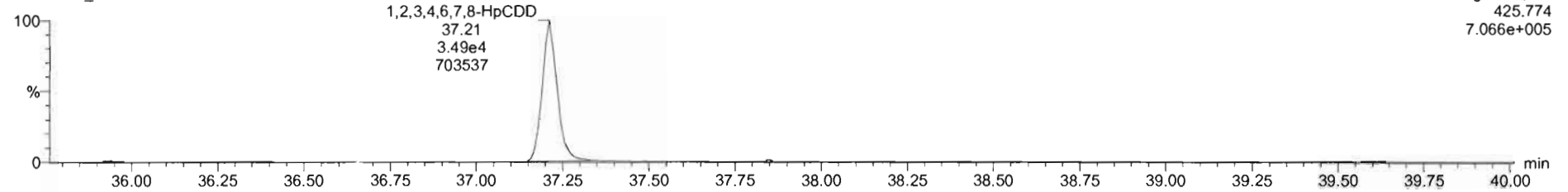
Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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

200930D2\_8

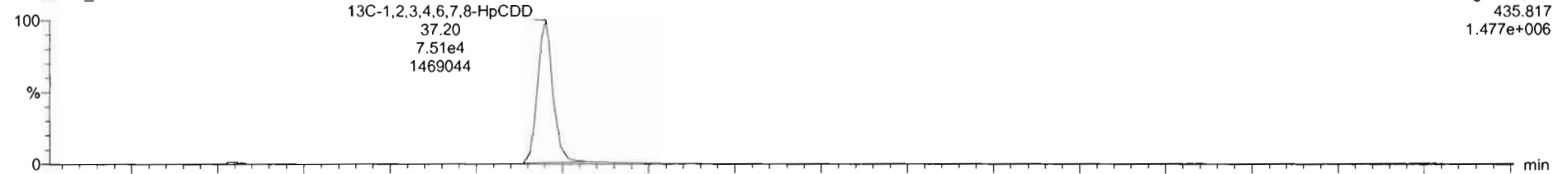


200930D2\_8

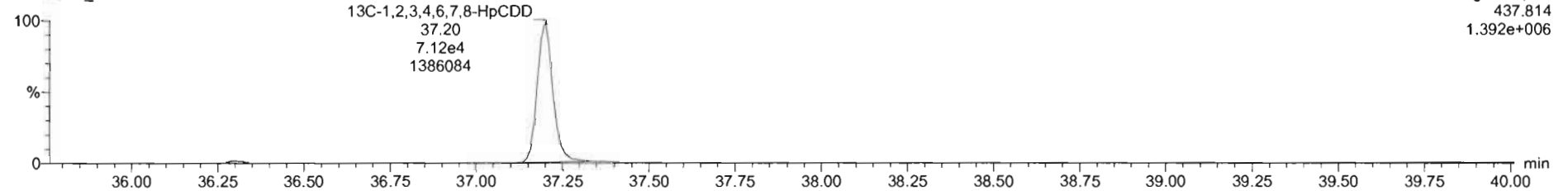


13C-1,2,3,4,6,7,8-HpCDD

200930D2\_8



200930D2\_8



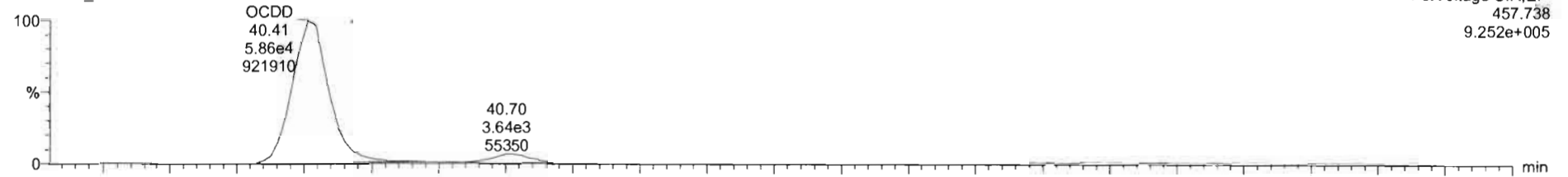
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Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

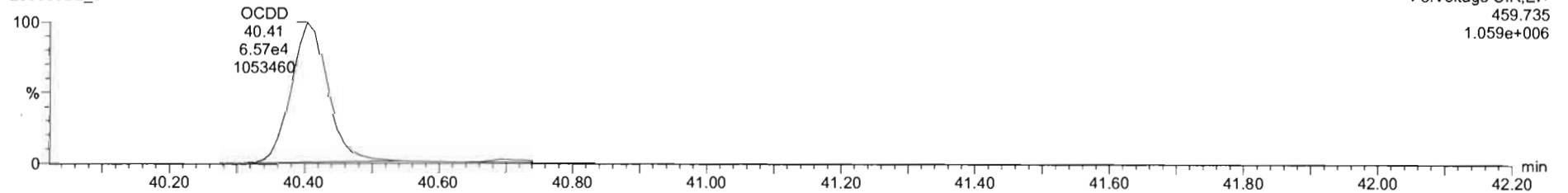
Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

**OCDD**

200930D2\_8

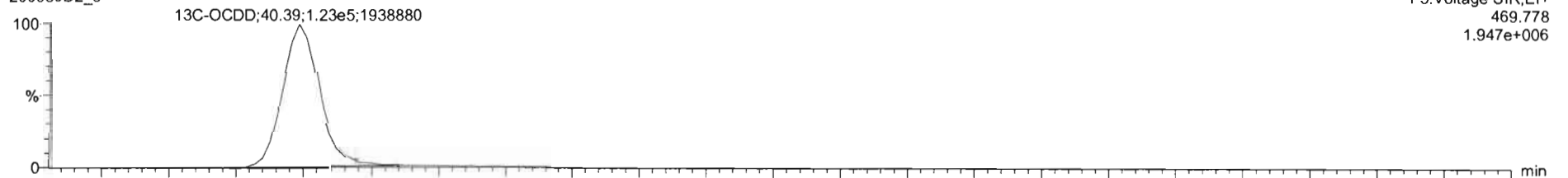


200930D2\_8

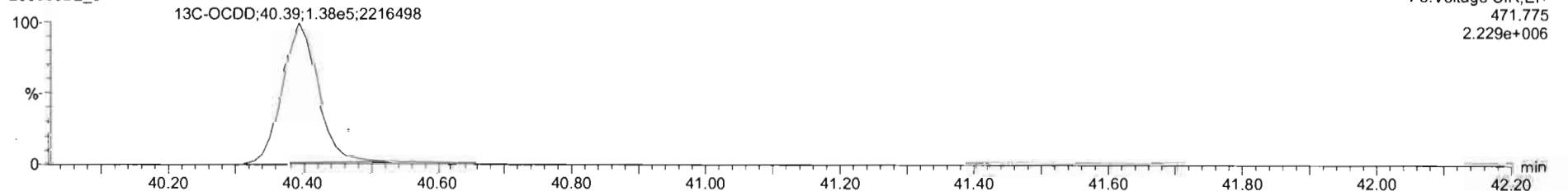


**13C-OCDD**

200930D2\_8



200930D2\_8



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

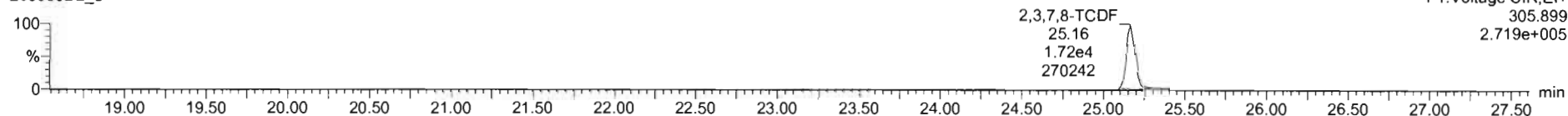
Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

**2,3,7,8-TCDF**

200930D2\_8

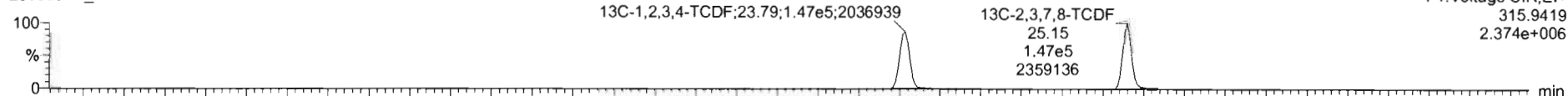


200930D2\_8

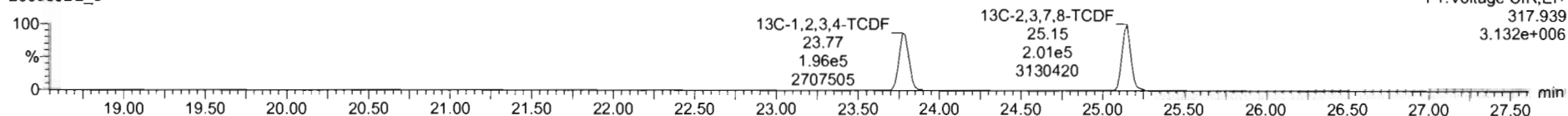


**<sup>13</sup>C-2,3,7,8-TCDF**

200930D2\_8

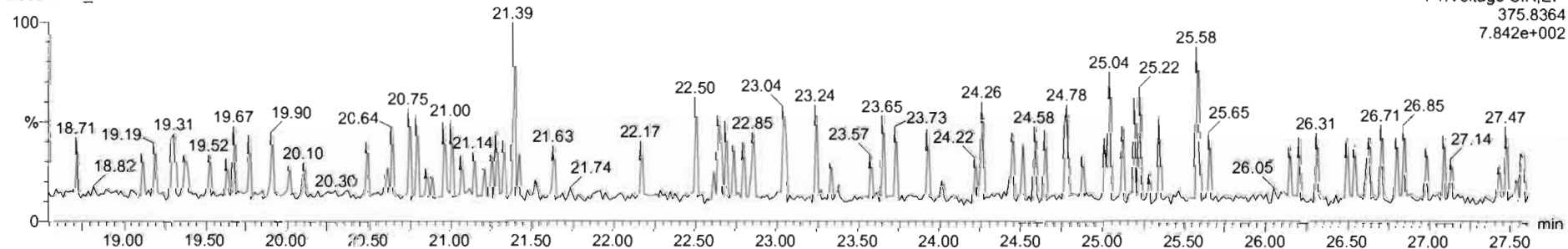


200930D2\_8



**DPE1**

200930D2\_8



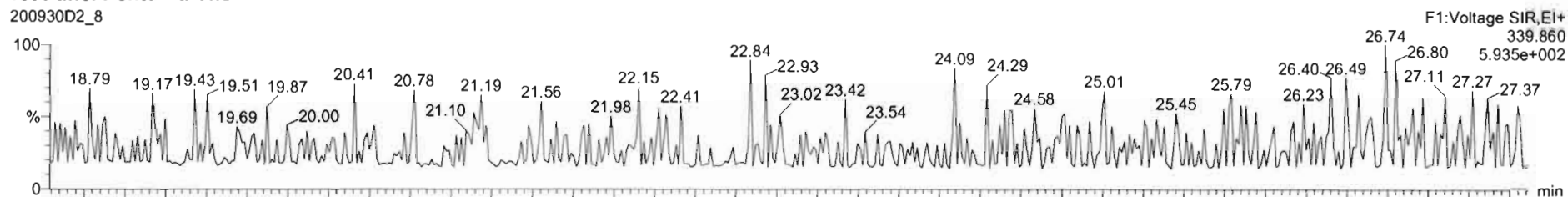
Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time  
Printed: Thursday, October 01, 2020 10:42:17 Pacific Daylight Time

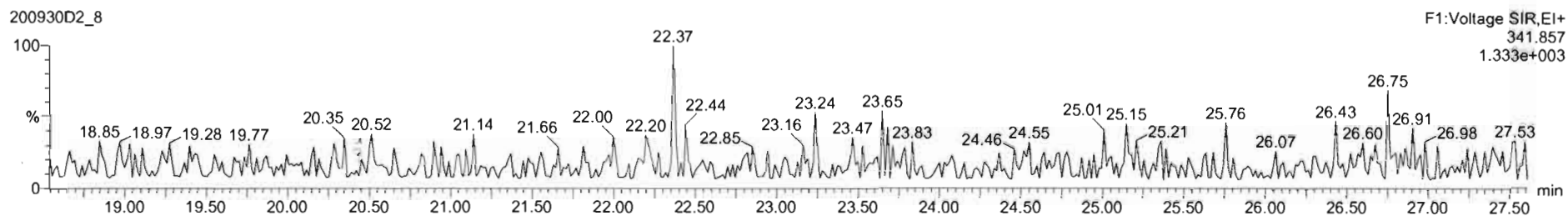
Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

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200930D2\_8

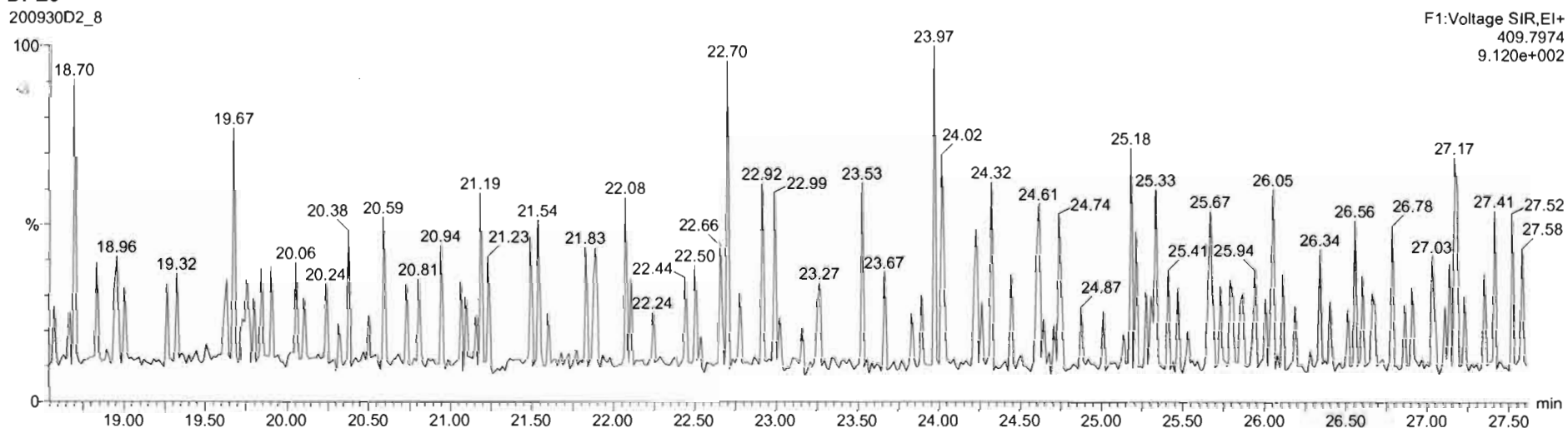


200930D2\_8



DPE6

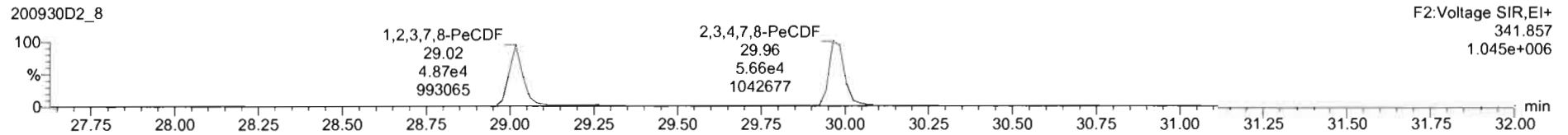
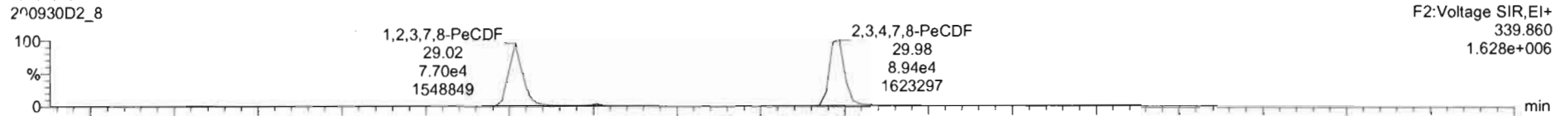
200930D2\_8



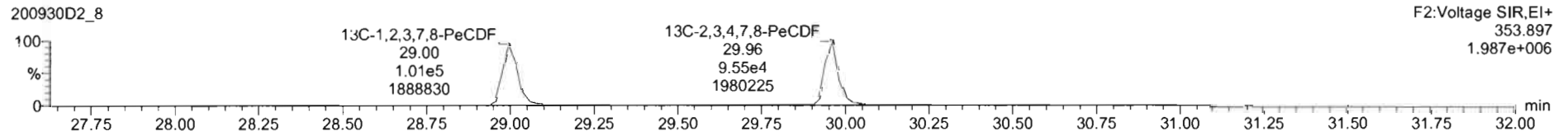
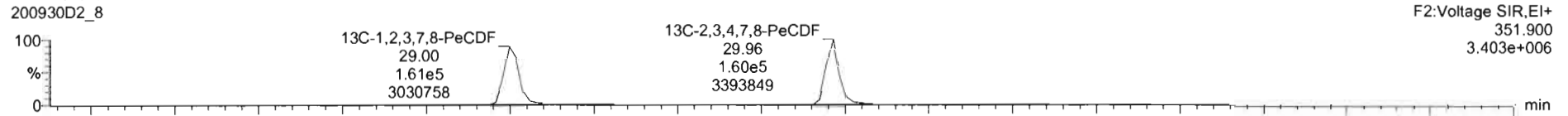
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Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

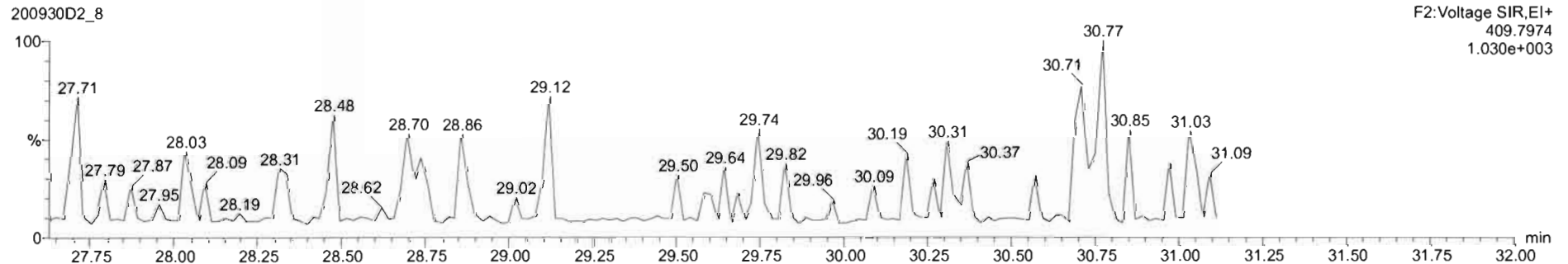
1,2,3,7,8-PeCDF



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



DPE2



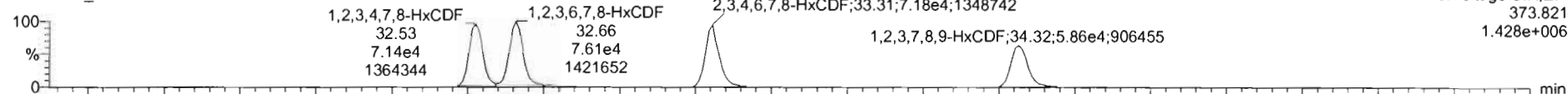
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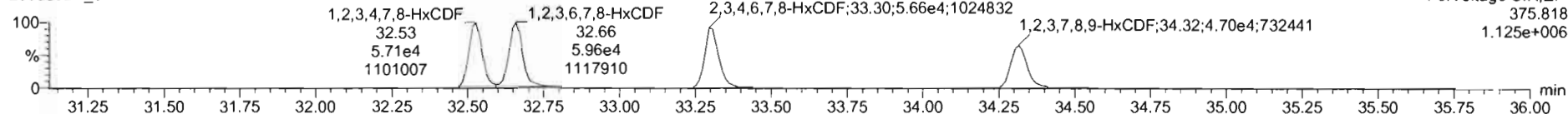
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1,2,3,4,7,8-HxCDF

200930D2\_8

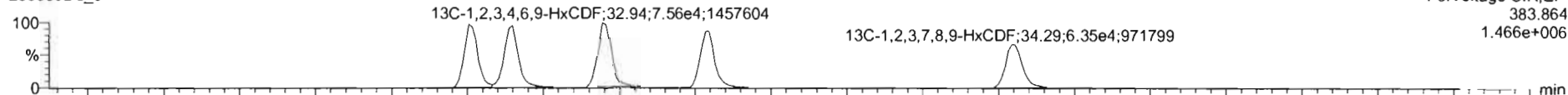


200930D2\_8

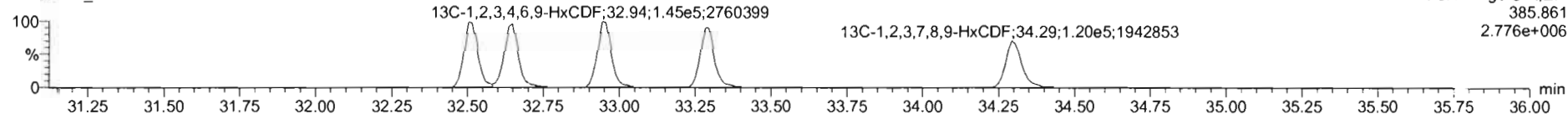


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200930D2\_8

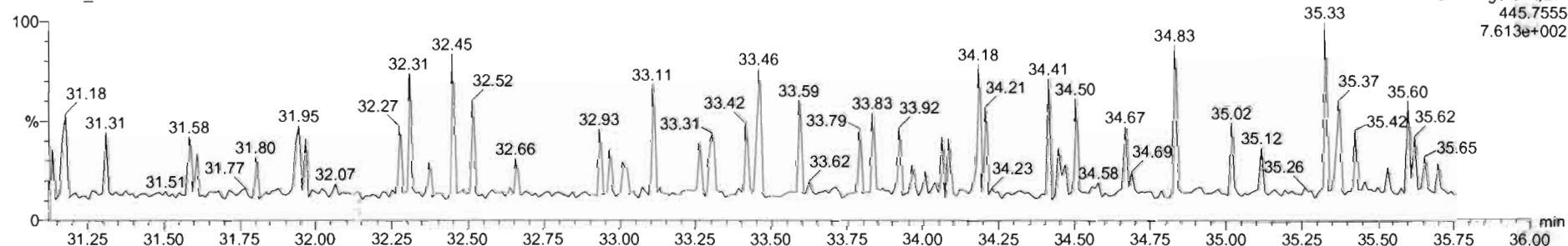


200930D2\_8



DPE3

200930D2\_8



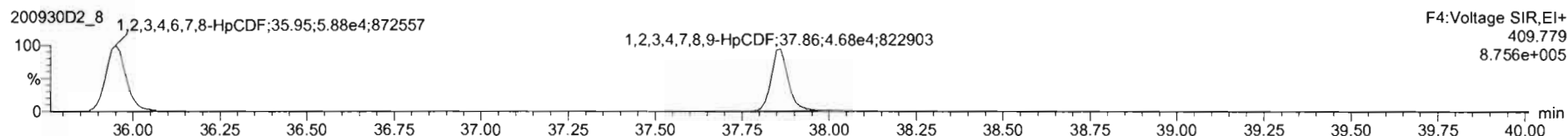
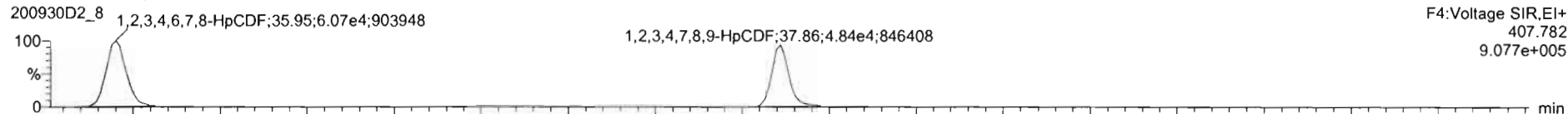


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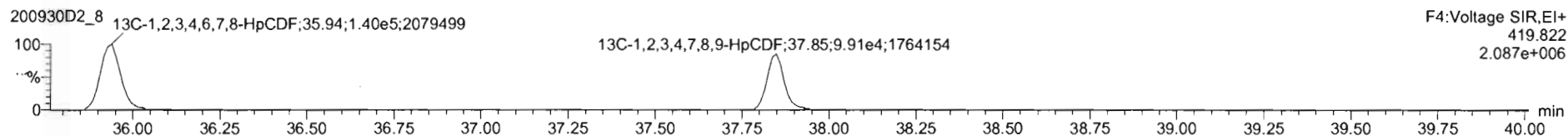
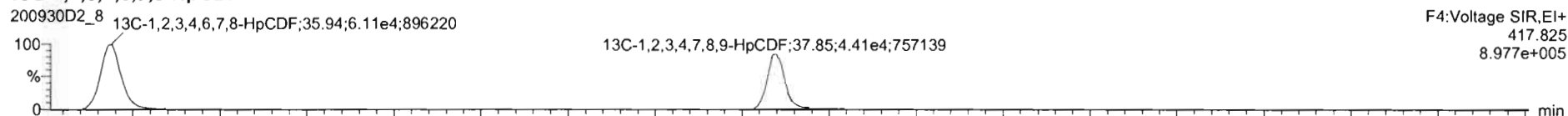
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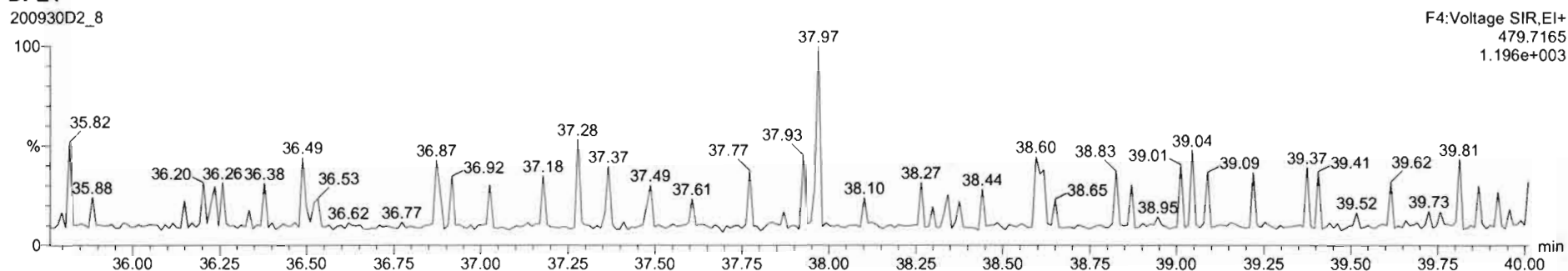
1,2,3,4,6,7,8-HpCDF



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



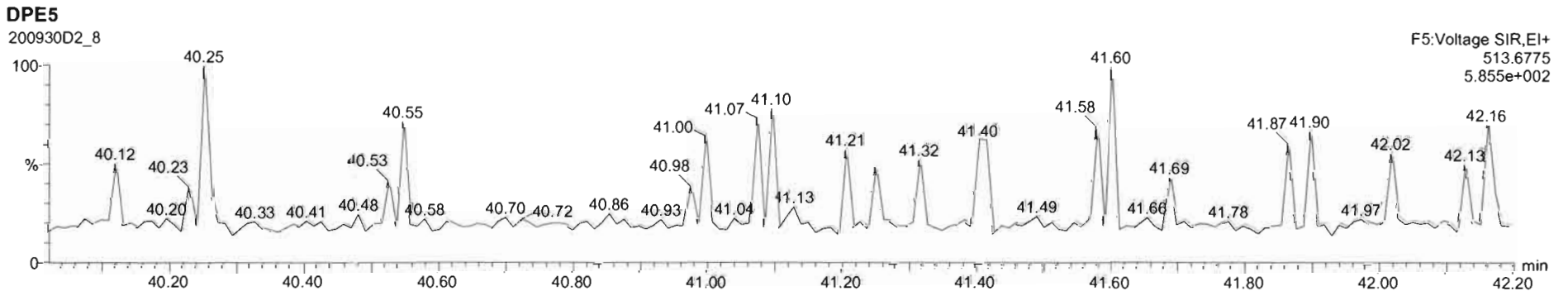
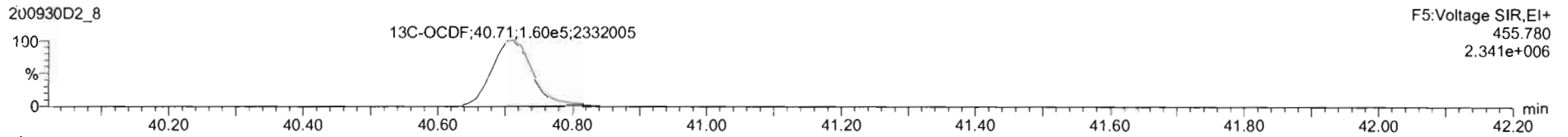
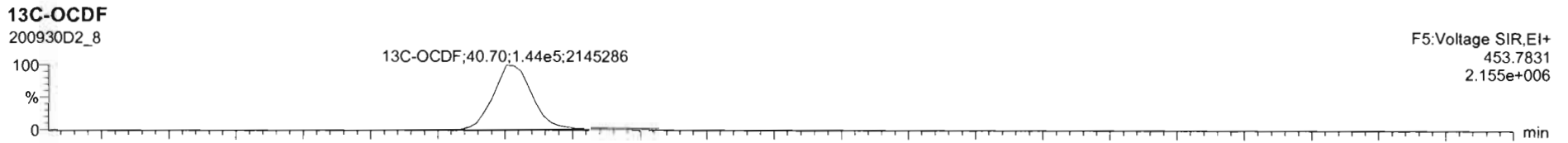
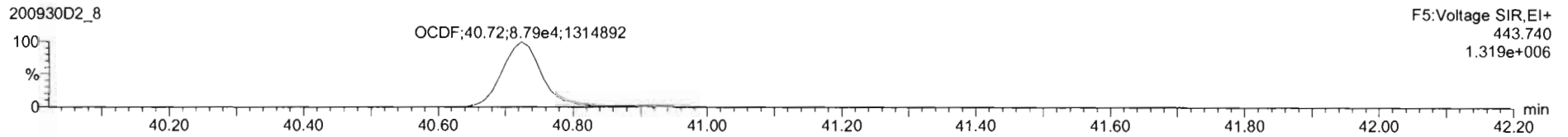
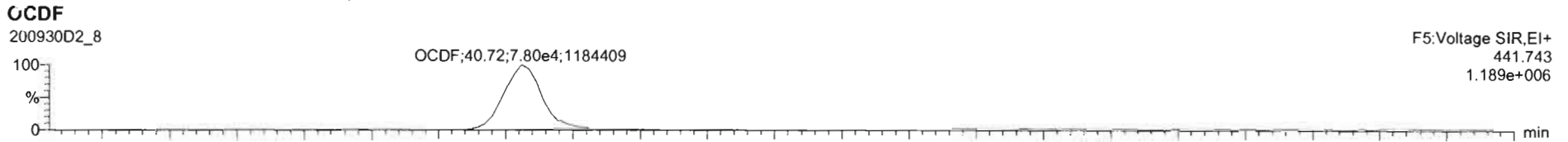
DPE4



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

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Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108



Dataset: U:\VG7.PRO\Results\200930D2\200930D2\_8.qld

Last Altered: Thursday, October 01, 2020 10:40:53 Pacific Daylight Time

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Name: 200930D2\_8, Date: 30-Sep-2020, Time: 18:08:02, ID: SS200930D2-1 1613 SSS 20F1108, Description: 1613 SSS 20F1108

